

ISLAMIC REPUBLIC OF PAKISTAN
NATIONAL HIGHWAY AUTHORITY

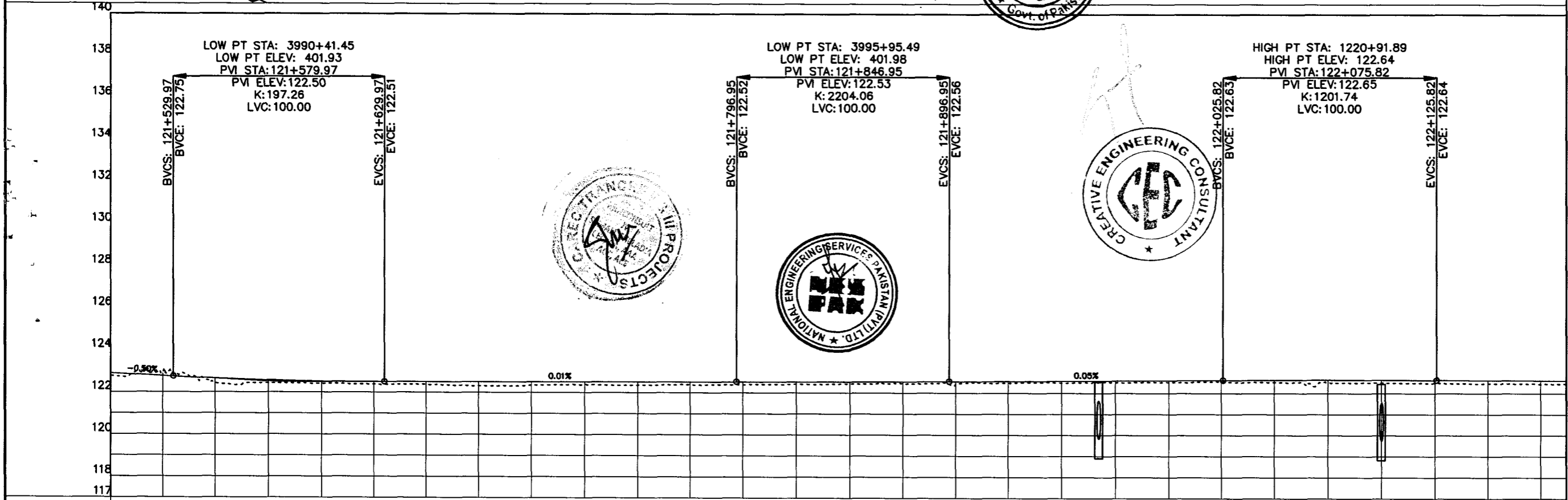
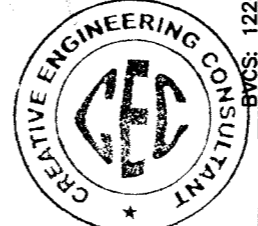
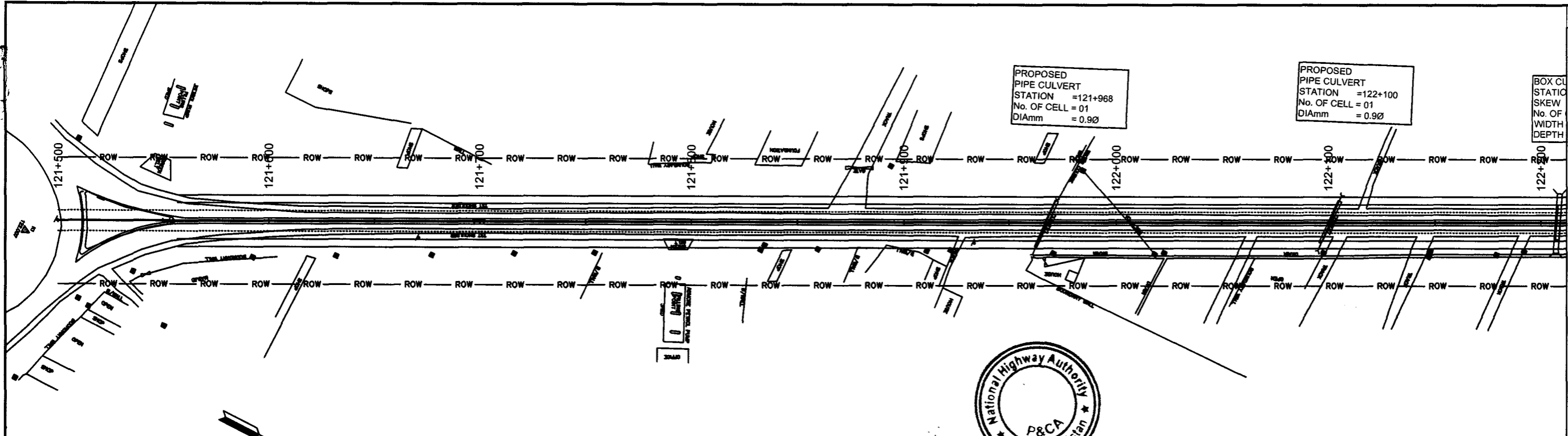


LOAN 4416-PAK: CENTRAL ASIA REGIONAL ECONOMIC COOPERATION
CORRIDOR DEVELOPMENT INVESTMENT PROGRAM (CAREC) [TRANCHE-III]
OCB/CAREC/T-III: CONSTRUCTION OF ADDITIONAL CARRIAGEWAY FROM
RAJANPUR - DG KHAN N-55 HIGHWAY SECTION (121.5 KM) AND DG KHAN -
DI KHAN N-55 HIGHWAY SECTION (208.0 KM) FROM TWO-LANE TO FOUR-
LANE UNDER ONE PACKAGE COMPRISING OF FOUR LOTS

➤ **LOT-3: DG KHAN TO TIBI QAISRANI VIA SHAHDAN LUND SECTION (111.70 KM)**

(DRAWINGS)





Station	121+500	121+525	121+550	121+575	121+600	121+625	121+650	121+675	121+700	121+725	121+750	121+775	121+800	121+825	121+850	121+875	121+900	121+925	121+950	121+975	122+000	122+025	122+050	122+075	122+100	122+125	122+150	122+175	122+187.00		
HCD																															
VCD																															
P.G.L	122.775	122.776	122.662	122.578	122.527	122.507	122.509	122.511	122.514	122.516	122.519	122.521	122.523	122.528	122.535	122.544	122.557	122.571	122.585	122.598	122.612	122.626	122.637	122.643	122.644	122.640	122.633	122.626	122.620		
N.S.L	122.775	122.866	122.416	122.437	122.414	122.385	122.361	122.306	122.337	122.367	122.349	122.364	122.381	122.415	122.435	122.449	122.434	122.486	122.495	122.512	122.526	122.555	122.528	122.518	122.505	122.504	122.479	122.451	122.450		
CH	122.775	122.866	122.416	122.437	122.414	122.385	122.361	122.306	122.337	122.367	122.349	122.364	122.381	122.415	122.435	122.449	122.434	122.486	122.495	122.512	122.526	122.555	122.528	122.518	122.505	122.504	122.479	122.451	122.450		

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 To Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELDIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

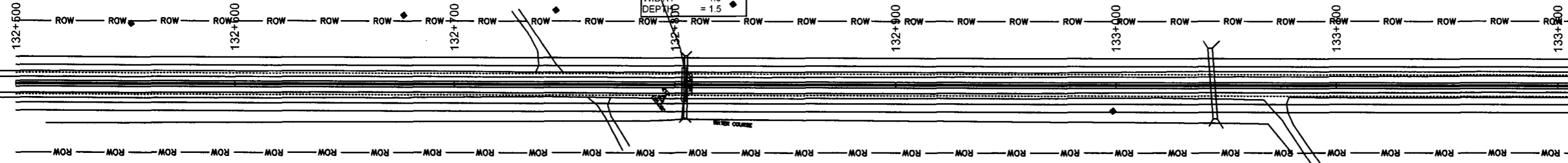
DRAWING TITLE:
PLAN & PROFILE
121+500.00 - 122+187.00

DESIGN BY: S.M	SHEET NO: 1 OF 170
DRAWN BY: S.M	SCALE: H = 1:200 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013

PROPOSED
BOX CULVERT
STATION = 133+044
SKEW = 0°
NO. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERTS
STATION = 132+805
SKEW = 0°
NO. OF CELL = 1
WIDTH = 1.5
DEPTH = 1.5



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
132+500.00 - 133+187.00

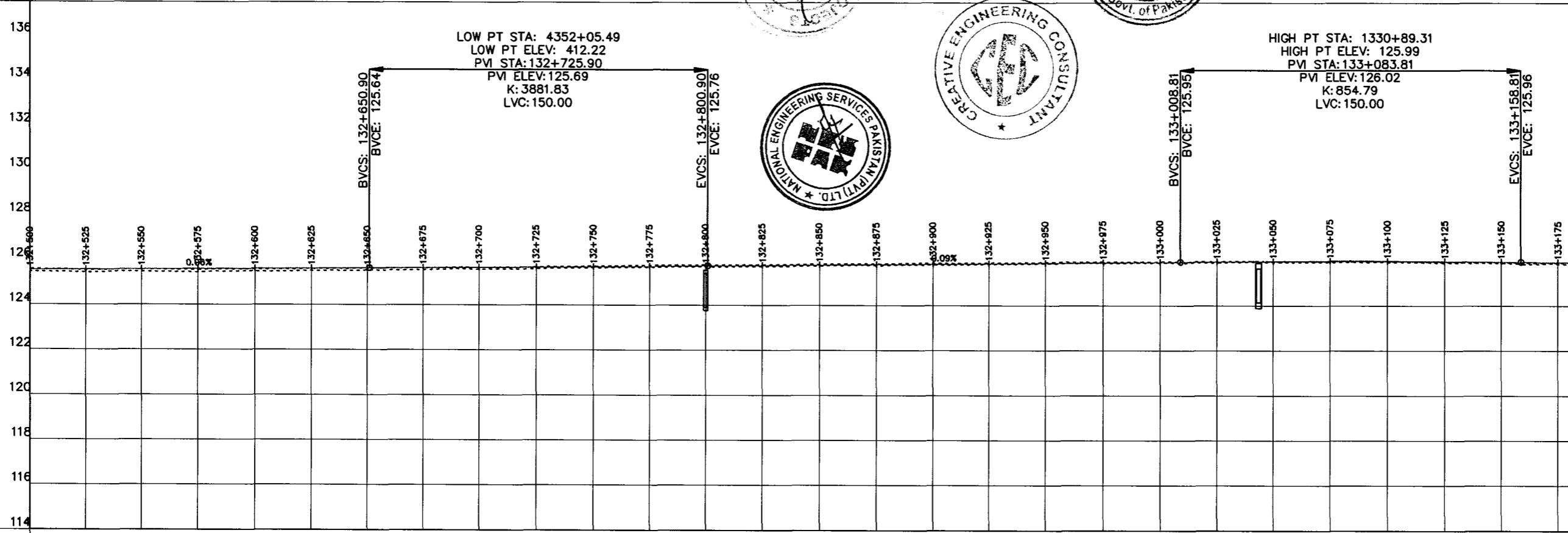
DESIGN BY: A.S	SHEET NO: 17 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



LOW PT STA: 4352+05.49
LOW PT ELEV: 412.22
PVI STA: 132+725.90
PVI ELEV: 125.69
K: 3881.83
LVC: 150.00

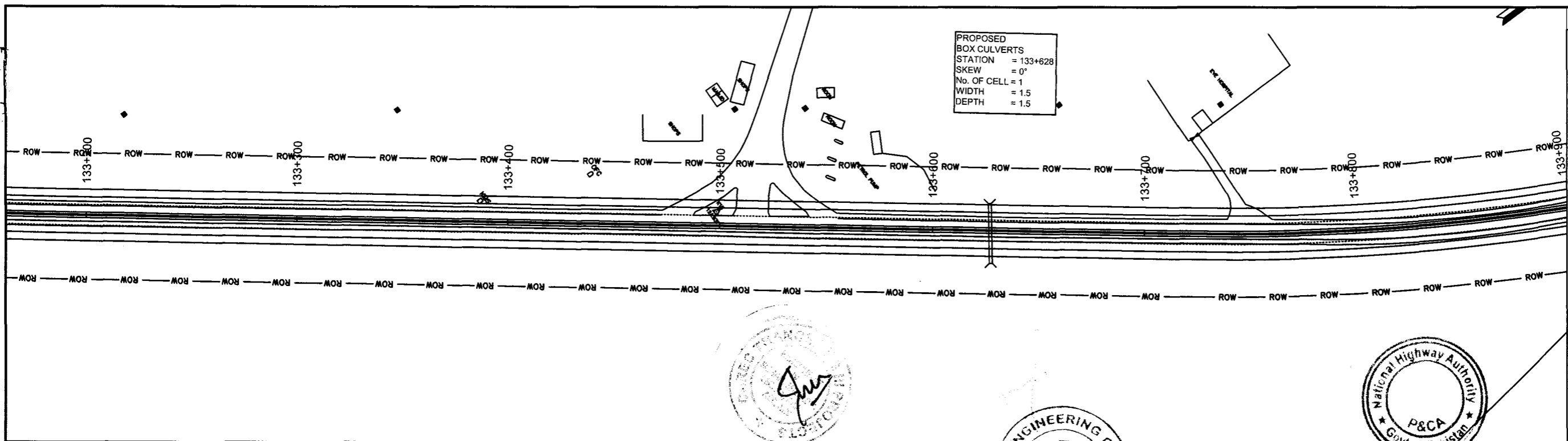
HIGH PT STA: 1330+89.31
HIGH PT ELEV: 125.99
PVI STA: 133+083.81
PVI ELEV: 126.02
K: 854.79
LVC: 150.00



Grade (0.06%)
Tangent Length (150.90)
Chainage (132+650.90)
Elevation (125.64)

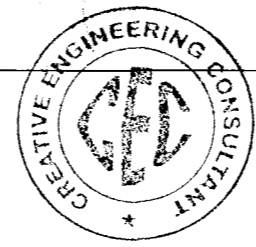
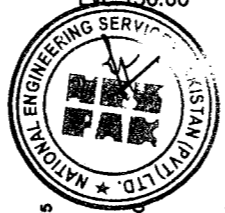
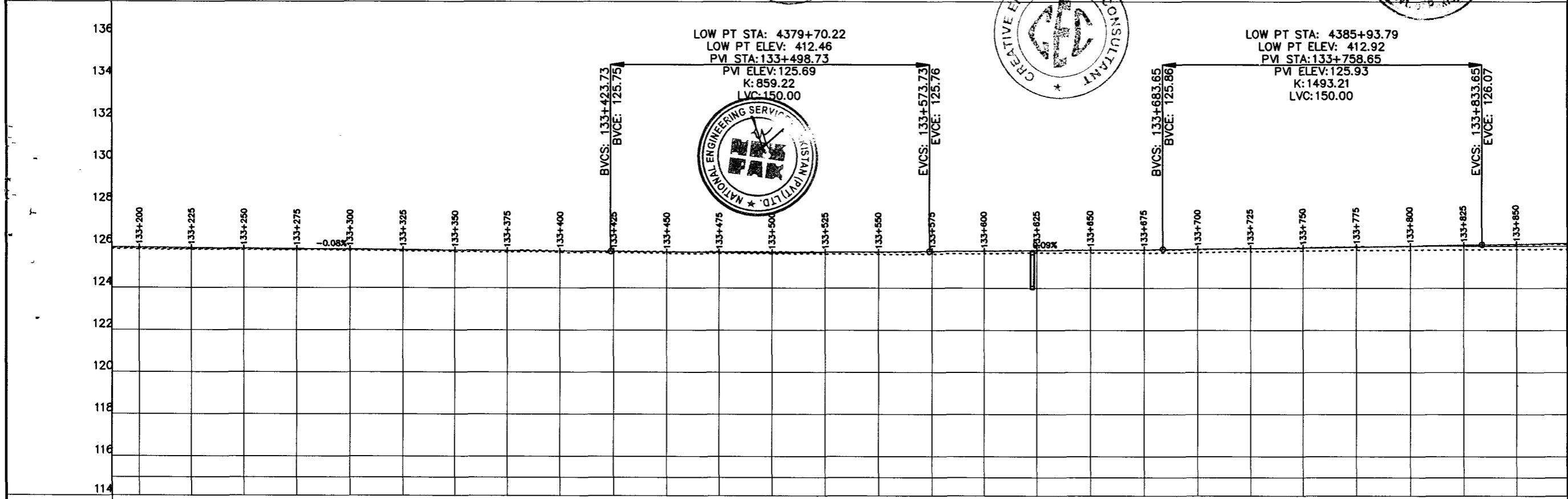
Grade (0.09%)
Tangent Length (207.91)
Chainage (133+008.81)
Elevation (125.95)

HCD	L=1224.56m																													
VCD	Grade (0.06%) Tangent Length (150.90) Chainage (132+650.90) Elevation (125.64)										Grade (0.09%) Tangent Length (207.91) Chainage (133+008.81) Elevation (125.95)																			
P.G.L	132+500	132+525	132+550	132+575	132+600	132+625	132+650	132+675	132+700	132+725	132+750	132+775	132+800	132+825	132+850	132+875	132+900	132+925	132+950	132+975	133+000	133+025	133+050	133+075	133+100	133+125	133+150	133+175		
N.S.L	125.471	125.444	125.474	125.448	125.482	125.519	125.546	125.563	125.586	125.618	125.663	125.686	125.714	125.734	125.759	125.778	125.812	125.849	125.873	125.880	125.893	125.920	125.944	125.966	125.981	125.989	125.989	125.982	125.968	125.948
CH	132+500	132+525	132+550	132+575	132+600	132+625	132+650	132+675	132+700	132+725	132+750	132+775	132+800	132+825	132+850	132+875	132+900	132+925	132+950	132+975	133+000	133+025	133+050	133+075	133+100	133+125	133+150	133+175		



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE
TENDER DRAWINGS		
PROJECT:		
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)		

CLIENT: NATIONAL HIGHWAYS AUTHORITY (NHA)

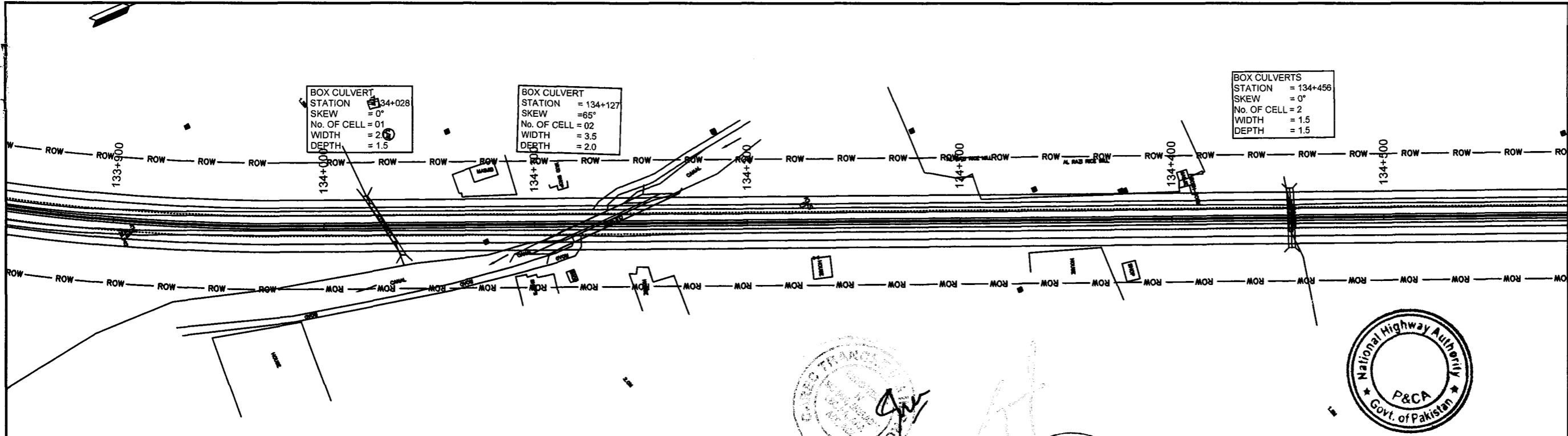
- CONSULTANTS:
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

HCD	L=1224.56m																				L=261.24m R=1000.00m									
VCD	Grade (-0.08%) Tangent Length (264.92) Chainage (133+423.73) Elevation (125.75)										Grade (0.09%) Tangent Length (109.93) Chainage (133+683.65) Elevation (125.86)																			
P.G.L	133+187	133+200	133+225	133+250	133+275	133+300	133+325	133+350	133+375	133+400	133+425	133+450	133+475	133+500	133+525	133+550	133+575	133+600	133+625	133+650	133+675	133+700	133+725	133+750	133+775	133+800	133+825	133+850		
N.S.L	125.856	125.840	125.816	125.802	125.801	125.782	125.760	125.733	125.718	125.696	125.695	125.650	125.656	125.634	125.615	125.615	125.626	125.649	125.695	125.683	125.674	125.700	125.739	125.771	125.805	125.812	125.845	125.856	126.105	
CH	133+187	133+200	133+225	133+250	133+275	133+300	133+325	133+350	133+375	133+400	133+425	133+450	133+475	133+500	133+525	133+550	133+575	133+600	133+625	133+650	133+675	133+700	133+725	133+750	133+775	133+800	133+825	133+850		

DRAWING TITLE:
PLAN & PROFILE
133+187.00 - 133+874.00

DESIGN BY: A.S	SHEET NO: 18 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



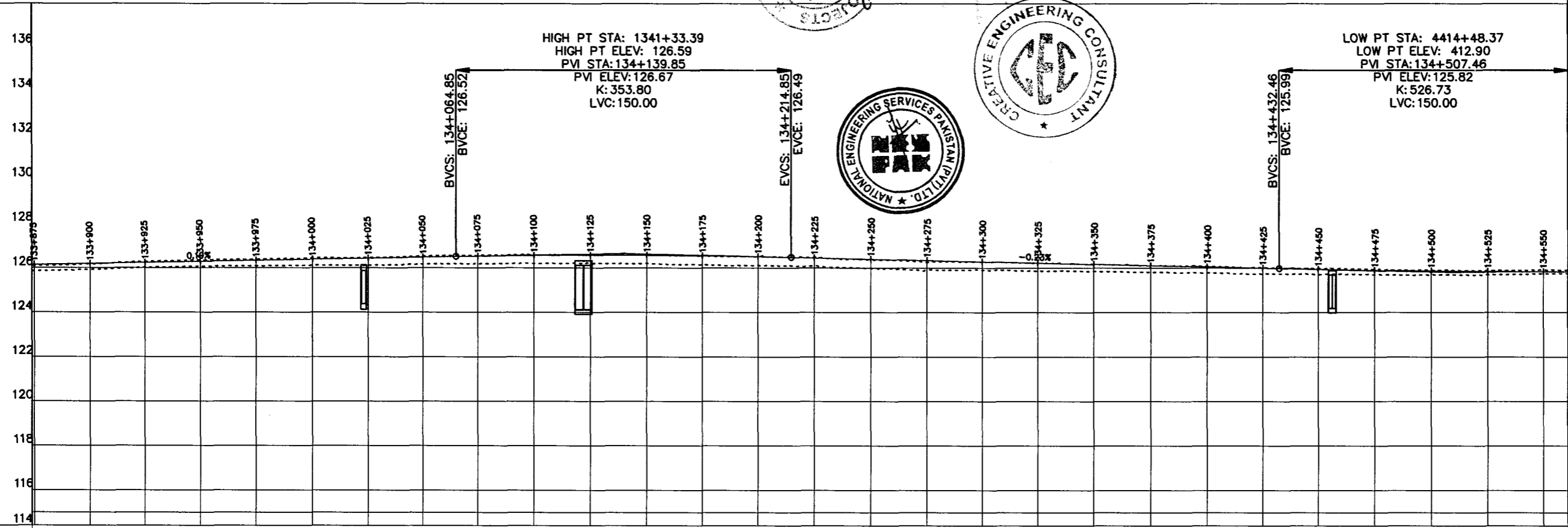
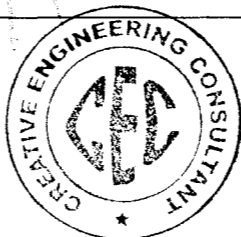
BOX CULVERTS
 STATION = 134+456
 SKEW = 0°
 No. OF CELL = 2
 WIDTH = 1.5
 DEPTH = 1.5

BOX CULVERT
 STATION = 134+028
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 134+127
 SKEW = 65°
 No. OF CELL = 02
 WIDTH = 3.5
 DEPTH = 2.0

NOTES
 1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



HIGH PT STA: 134+33.39
 HIGH PT ELEV: 126.59
 PVI STA: 134+139.85
 PVI ELEV: 126.67
 K: 353.80
 LVC: 150.00

LOW PT STA: 4414+48.37
 LOW PT ELEV: 412.90
 PVI STA: 134+507.46
 PVI ELEV: 125.82
 K: 526.73
 LVC: 150.00

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

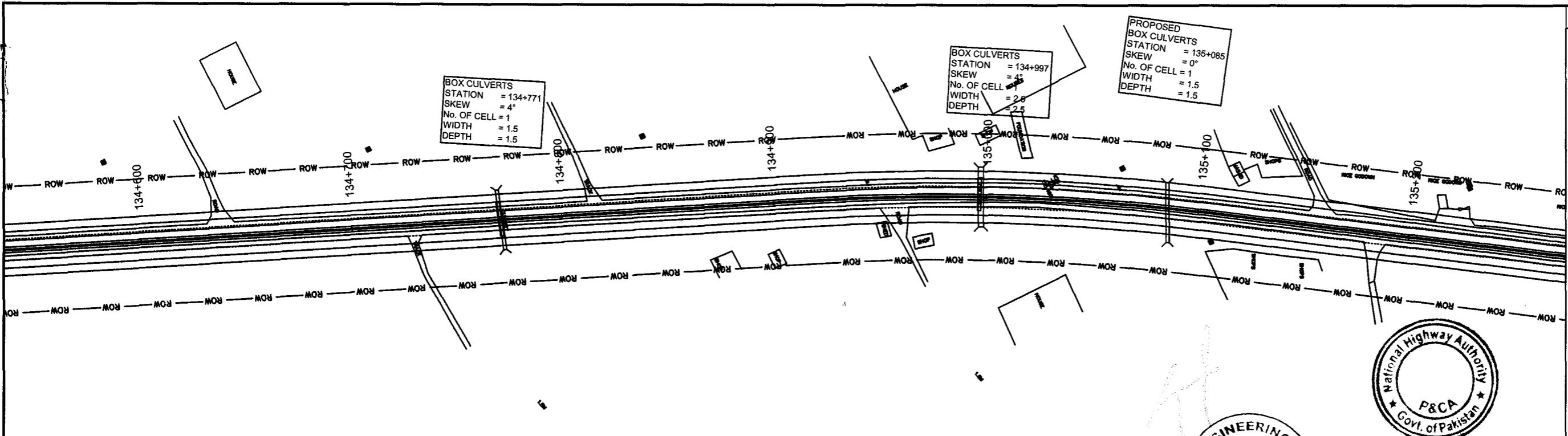
- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 133+874.00 - 134+561.00

DESIGN BY: A.S	SHEET NO: 19 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

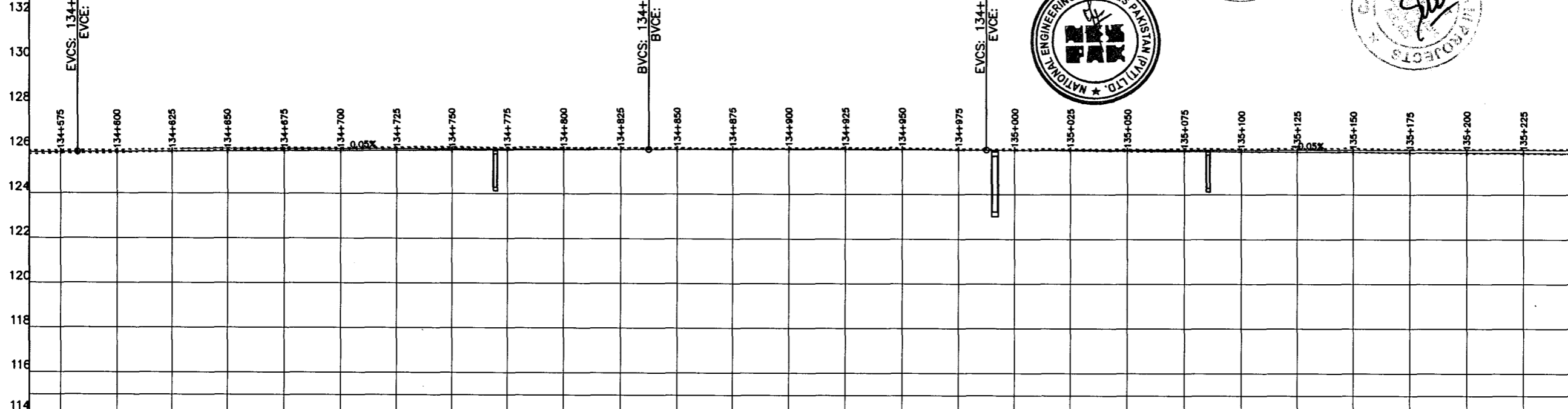
CAD FILE NAME:
 CAREC/T-III/TD/014

HCD	L=261.24m R=1000.00m															L=931.82m														
VCD	Grade (0.19%) Tangent Length (231.20) Chainage (134+064.85) Elevation (126.52)															Grade (-0.23%) Tangent Length (217.61) Chainage (134+432.46) Elevation (125.99)														
P.G.L	133+875	133+900	133+925	133+950	133+975	134+000	134+025	134+050	134+075	134+100	134+125	134+150	134+175	134+200	134+225	134+250	134+275	134+300	134+325	134+350	134+375	134+400	134+425	134+450	134+475	134+500	134+525	134+550		
N.S.L	125.894	125.923	126.038	126.072	126.092	126.122	126.125	126.176	126.206	126.208	126.218	126.158	126.137	126.096	126.009	125.935	125.911	125.876	125.861	125.819	125.794	125.735	125.715	125.708	125.692	125.699	125.752	125.853		
CH	133+875	133+900	133+925	133+950	133+975	134+000	134+025	134+050	134+075	134+100	134+125	134+150	134+175	134+200	134+225	134+250	134+275	134+300	134+325	134+350	134+375	134+400	134+425	134+450	134+475	134+500	134+525	134+550		

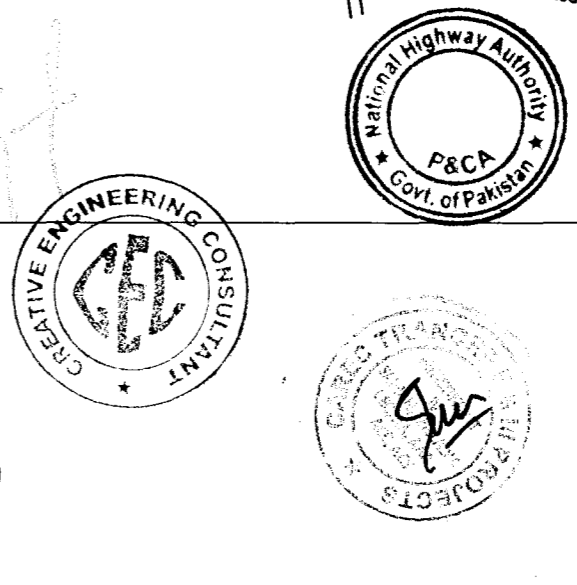


LOW PT STA: 4414+48.37
 LOW PT ELEV: 412.90
 PVI STA: 134+507.46
 PVI ELEV: 126.82
 K: 526.78
 LVC: 150.00

HIGH PT STA: 1349+12.40
 HIGH PT ELEV: 126.02
 PVI STA: 134+912.35
 PVI ELEV: 126.04
 K: 1376.24
 LVC: 150.00



Station	HCD	VCD	P.G.L	N.S.L	CH
134+575	L=931.82m	Grade (0.05%) Tangent Length (254.90) Chainage (134+837.35) Elevation (126.00)	125.855	125.766	134+561
134+600			125.870	125.811	134+600
134+625			125.884	125.868	134+625
134+650	L=185.69m R=1000.00m	Grade (-0.05%) Tangent Length (284.33) Chainage (135+271.68) Elevation (125.84)	125.897	125.937	134+650
134+675			125.911	125.972	134+675
134+700			125.925	125.988	134+700
134+725	L=3155.23m	Grade (-0.05%) Tangent Length (284.33) Chainage (135+271.68) Elevation (125.84)	125.938	126.032	134+725
134+750			125.952	126.067	134+750
134+775			125.966	126.057	134+775
134+800			125.979	126.060	134+800
134+825			125.993	126.055	134+825
134+850			126.006	126.075	134+850
134+875			126.015	126.060	134+875
134+900			126.019	126.063	134+900
134+925			126.019	126.091	134+925
134+950			126.015	126.072	134+950
134+975			126.006	126.054	134+975
135+000			125.993	126.035	135+000
135+025			125.979	126.040	135+025
135+050			125.965	126.031	135+050
135+075			125.952	126.069	135+075
135+100			125.938	126.057	135+100
135+125			125.925	126.075	135+125
135+150			125.911	126.077	135+150
135+175			125.897	126.047	135+175
135+200			125.884	126.037	135+200
135+225			125.870	126.033	135+225



NOTES
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LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

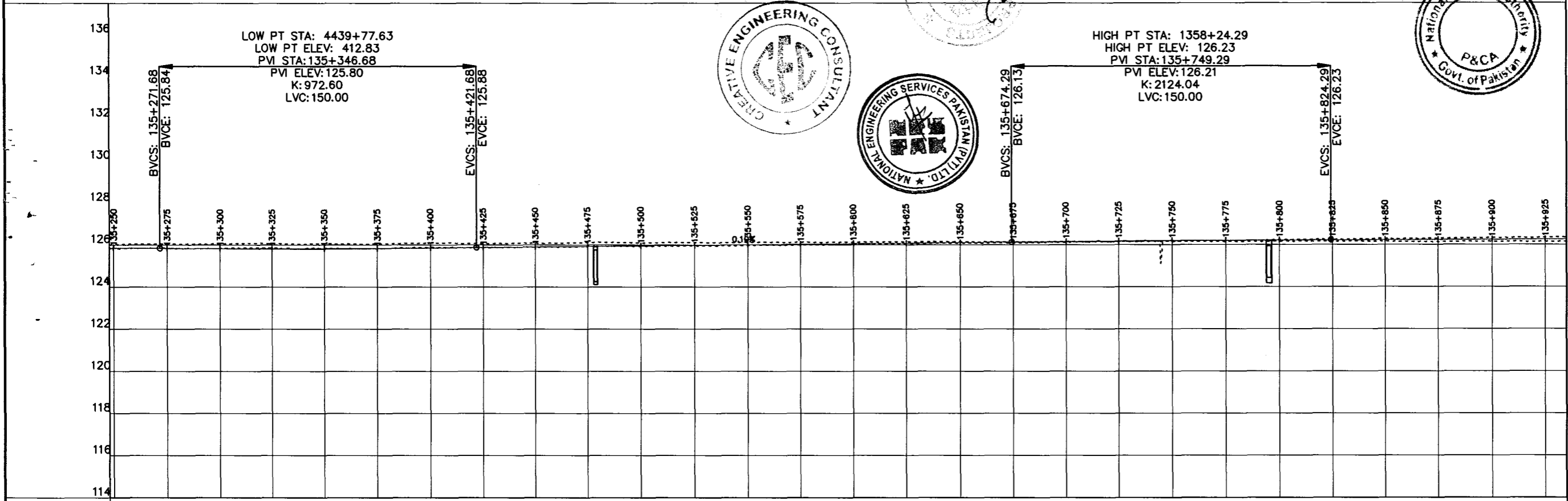
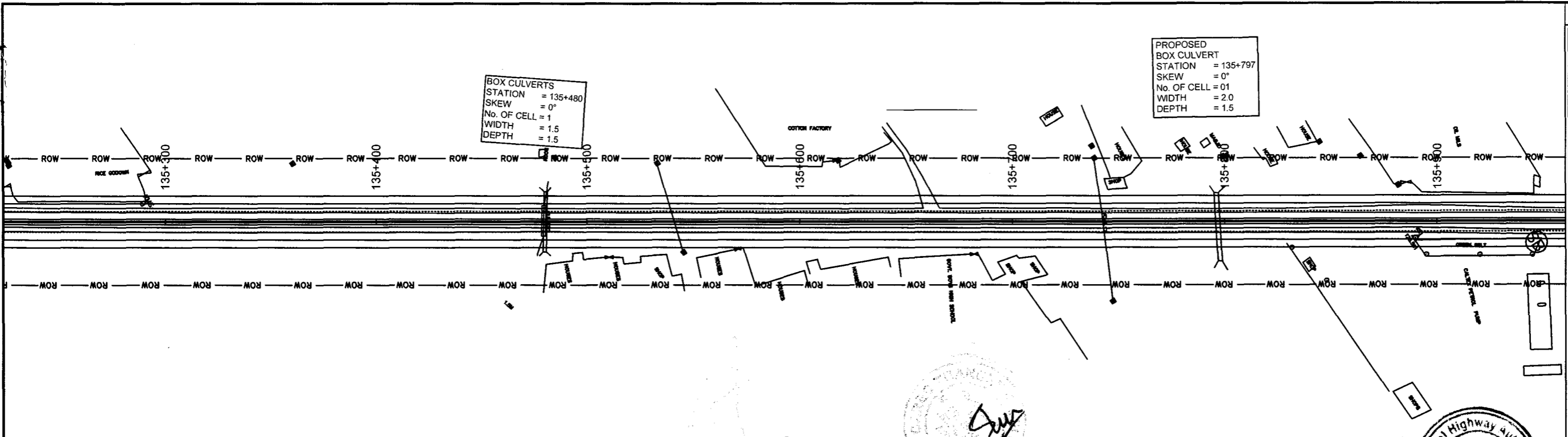
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

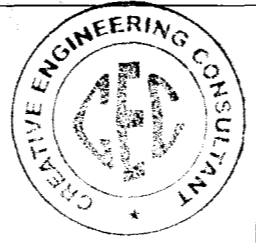
DRAWING TITLE:
 PLAN & PROFILE
 134+561.00 - 135+248.00

DESIGN BY: A.S	SHEET NO: 20 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/014



HCD	L=3155.23m																											
VCD	Grade (0.10%) Tangent Length (252.61) Chainage (135+674.29) Elevation (126.13)																											
P.G.L	125.859	125.843	125.833	125.830	125.834	125.843	125.859	125.882	125.907	125.932	125.957	125.982	126.007	126.032	126.057	126.082	126.106	126.131	126.155	126.175	126.193	126.207	126.219	126.228	126.235	126.242	126.249	126.257
N.S.L	126.019	126.045	126.043	126.072	126.051	126.051	126.092	126.060	126.087	126.111	126.088	126.109	126.113	126.128	126.118	126.133	126.150	126.132	126.139	126.139	126.153	126.155	126.147	126.159	126.149	126.118	126.145	126.140
CH	135+250	135+275	135+300	135+325	135+350	135+375	135+400	135+425	135+450	135+475	135+500	135+525	135+550	135+575	135+600	135+625	135+650	135+675	135+700	135+725	135+750	135+775	135+800	135+825	135+850	135+875	135+900	135+925



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PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 To Km 233+200)

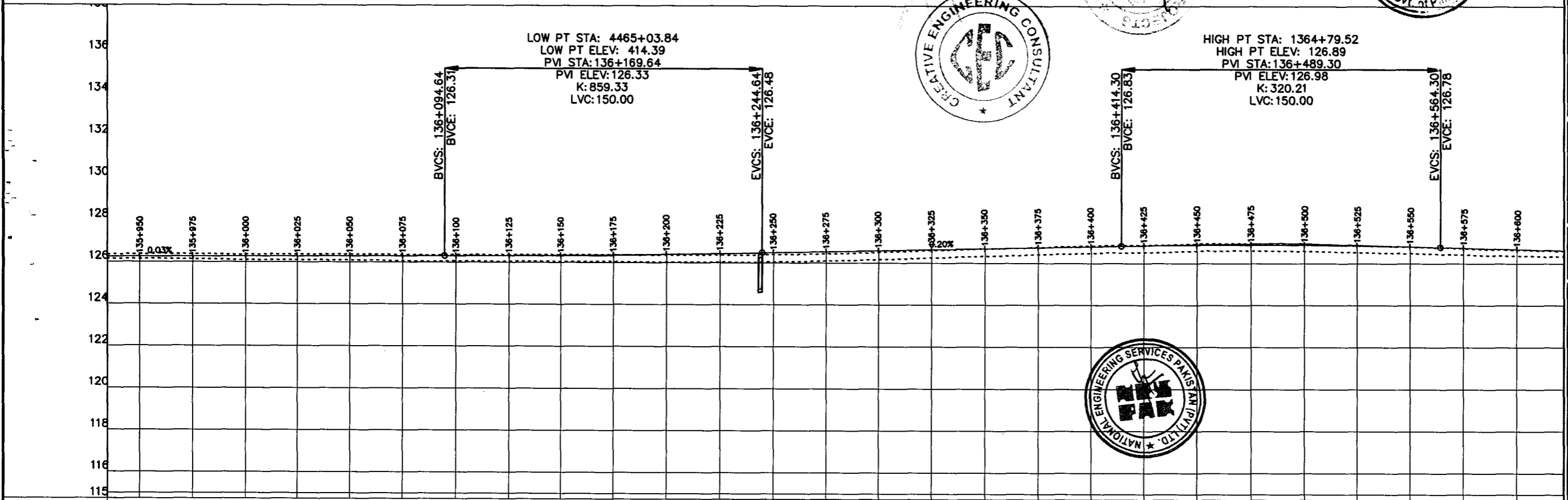
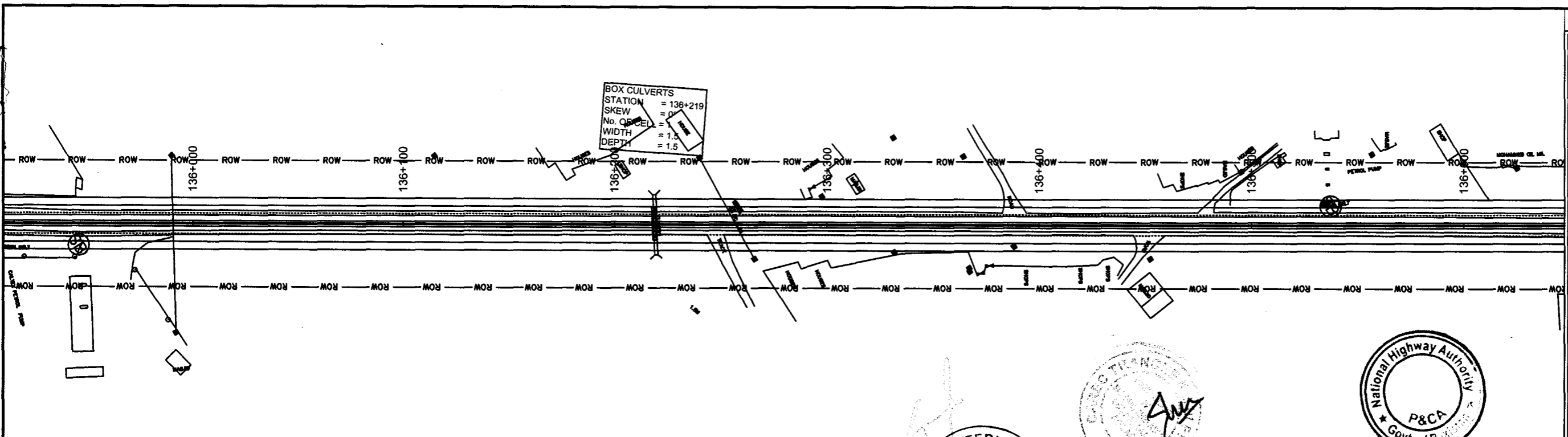
CLIENT:
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- CONSULTANTS:**
- MINCONSULT. SDN BHD in Joint Venture With
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 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
135+248.00 - 135+935.00

DESIGN BY:	SHEET NO:
A.S	21 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



HCD	L=3155.23m																											
VCD	Grade (0.03%) Tangent Length (270.35) Chainage (136+094.64) Elevation (126.31)										Grade (0.20%) Tangent Length (169.66) Chainage (136+414.30) Elevation (126.83)																	
P.G.L	135+935	135+950	135+975	136+000	136+025	136+050	136+075	136+100	136+125	136+150	136+175	136+200	136+225	136+250	136+275	136+300	136+325	136+350	136+375	136+400	136+425	136+450	136+475	136+500	136+525	136+550	136+575	136+600
N.S.L	126.141	126.130	126.128	126.099	126.095	126.093	126.062	126.068	126.054	126.052	126.042	126.030	126.049	126.038	126.100	126.169	126.260	126.341	126.417	126.482	126.528	126.585	126.607	126.583	126.525	126.499	126.422	126.361
CH	126.260	126.264	126.271	126.279	126.286	126.293	126.300	126.308	126.320	126.340	126.367	126.401	126.443	126.492	126.543	126.594	126.644	126.695	126.746	126.797	126.846	126.879	126.892	126.886	126.861	126.815	126.752	126.686

NOTES
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LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1 (Km 121+500 TO Km 233+200)

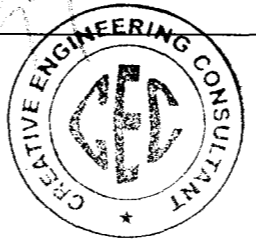
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 AAA
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 ACC

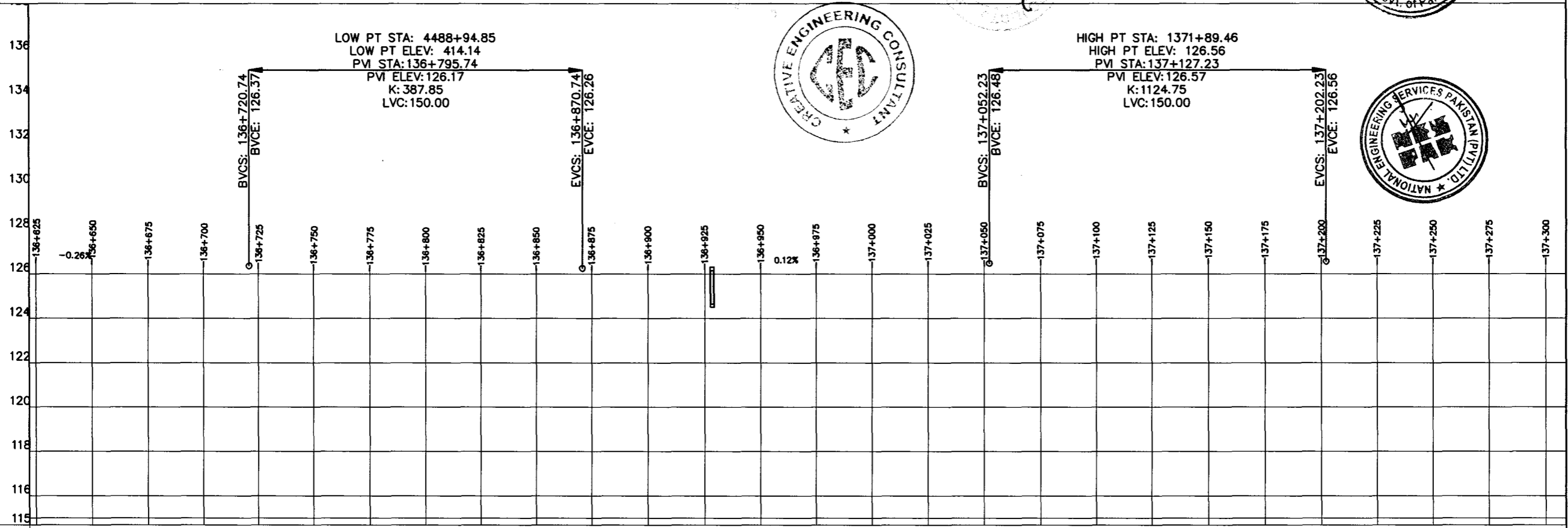
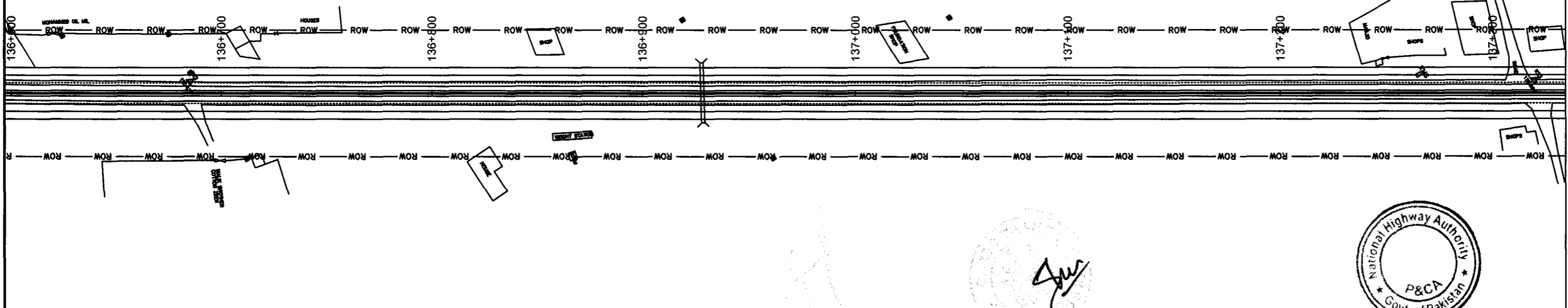
DRAWING TITLE:
PLAN & PROFILE
135+935.00 - 136+622.00

DESIGN BY:	SHEET NO:
A.S	22 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



PROPOSED
 BOX CULVERTS
 STATION = 136+928
 SKEW = 0°
 No. OF CELL = 1
 WIDTH = 1.5
 DEPTH = 1.5



LOW PT STA: 4488+94.85
 LOW PT ELEV: 414.14
 PVI STA: 136+795.74
 PVI ELEV: 126.17
 K: 387.85
 LVC: 150.00

HIGH PT STA: 1371+89.46
 HIGH PT ELEV: 126.56
 PVI STA: 137+127.23
 PVI ELEV: 126.57
 K: 1124.75
 LVC: 150.00

L=3155.23m

Station	CH	N.S.L	P.G.L	VCD	HCD
136+825	126.327	126.620	126.620		
136+850	126.277	126.554	126.554		
136+875	126.254	126.488	126.488		
136+900	126.185	126.421	126.421		
136+925	126.155	126.355	126.355		
136+950	126.102	126.300	126.300		
136+975	126.125	126.261	126.261		
136+1000	126.140	126.238	126.238		
136+1025	126.184	126.231	126.231		
136+1050	126.232	126.240	126.240		
136+1075	126.279	126.265	126.265		
136+1100	126.348	126.295	126.295		
136+1125	126.393	126.326	126.326		
136+1150	126.407	126.356	126.356		
136+1175	126.457	126.387	126.387		
136+1200	126.502	126.417	126.417		
136+1225	126.530	126.448	126.448		
136+1250	126.561	126.478	126.478		
136+1275	126.610	126.506	126.506		
136+1300	126.635	126.529	126.529		
136+1325	126.693	126.546	126.546		
136+1350	126.712	126.558	126.558		
136+1375	126.731	126.564	126.564		
136+1400	126.743	126.564	126.564		
136+1425	126.738	126.561	126.561		
136+1450	126.740	126.558	126.558		
136+1475	126.750	126.556	126.556		
136+1500	126.765	126.553	126.553		

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

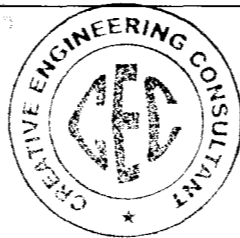
CONSULTANTS:

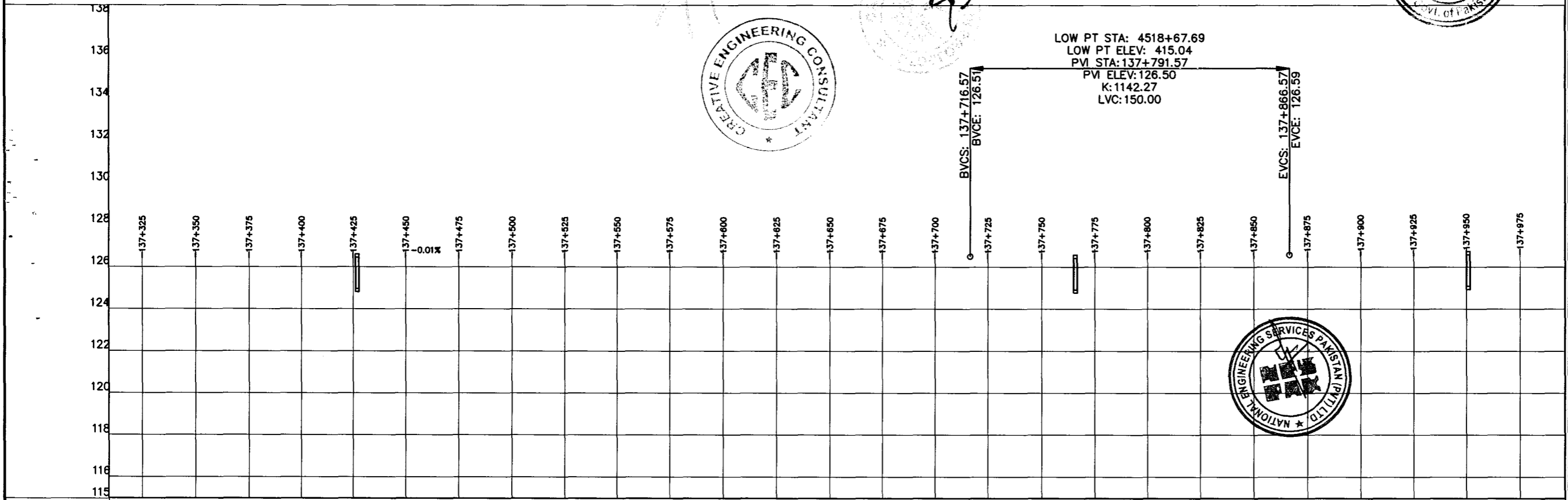
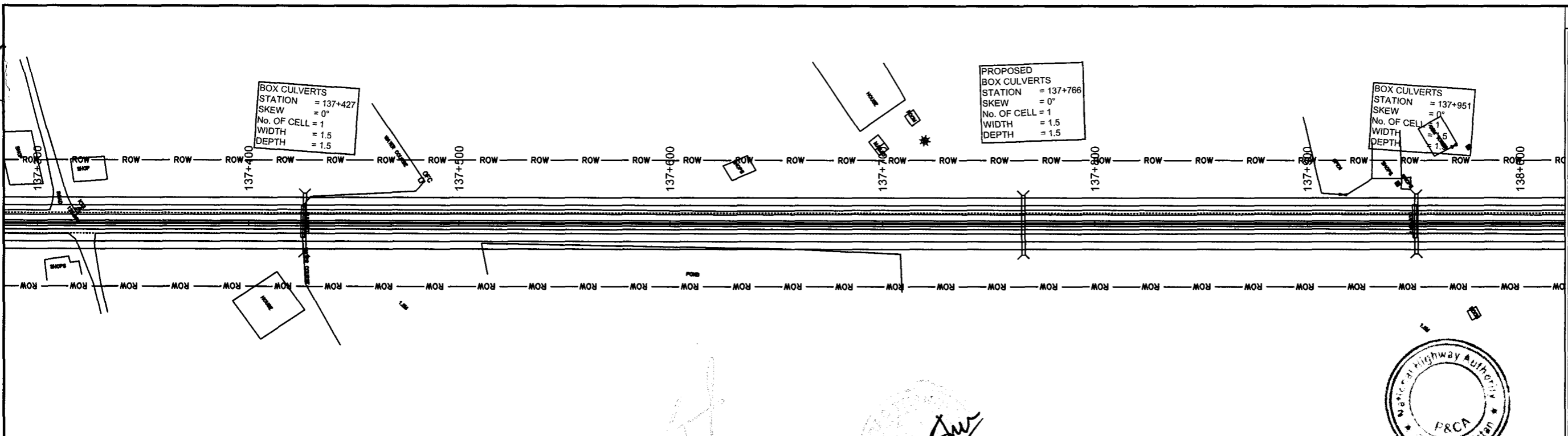
- MINCONSULT SDN BHD In Joint Venture With SAMAN CORPORATION
- SHELDIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 136+622.00 - 137+309.00

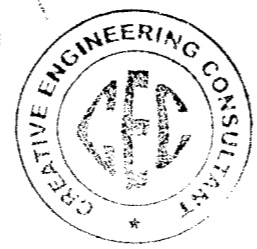
DESIGN BY:	SHEET NO:
A.S	23 of 170
DRAWN BY:	SCALE: H = 1:2000 V = 1:100
S.A	
CHECKED BY:	DATE: APRIL, 2024
A.S	
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/ITD/014





Station	CH	N.S.L	P.G.L
137+300	126.762	126.762	126.552
137+325	126.750	126.750	126.550
137+350	126.751	126.751	126.547
137+375	126.748	126.748	126.544
137+400	126.766	126.766	126.541
137+425	126.754	126.754	126.538
137+450	126.770	126.770	126.536
137+475	126.764	126.764	126.533
137+500	126.767	126.767	126.530
137+525	126.804	126.804	126.527
137+550	126.813	126.813	126.524
137+575	126.825	126.825	126.521
137+600	126.832	126.832	126.519
137+625	126.850	126.850	126.516
137+650	126.851	126.851	126.513
137+675	126.834	126.834	126.510
137+700	126.842	126.842	126.507
137+725	126.855	126.855	126.505
137+750	126.819	126.819	126.506
137+775	126.847	126.847	126.514
137+800	126.841	126.841	126.526
137+825	126.843	126.843	126.545
137+850	126.829	126.829	126.568
137+875	126.872	126.872	126.597
137+900	126.851	126.851	126.627
137+925	126.872	126.872	126.657
137+950	126.884	126.884	126.687
137+975	126.888	126.888	126.717



Signature



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

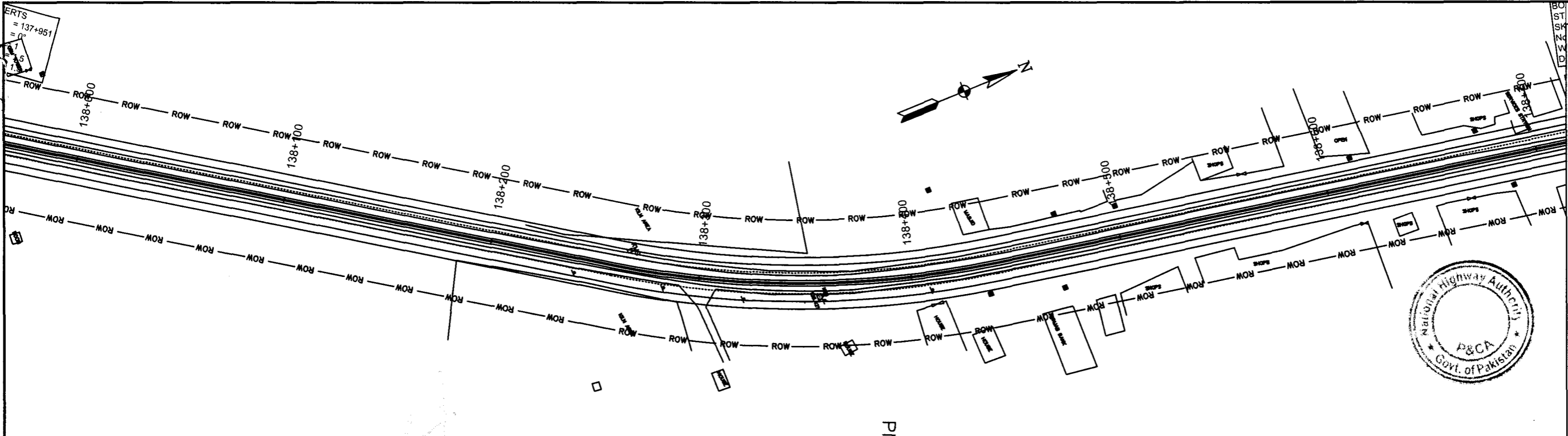
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELDIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
137+309.00 - 137+996.00

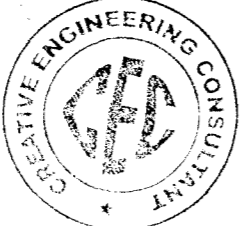
DESIGN BY:	SHEET NO:
A.S	24 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



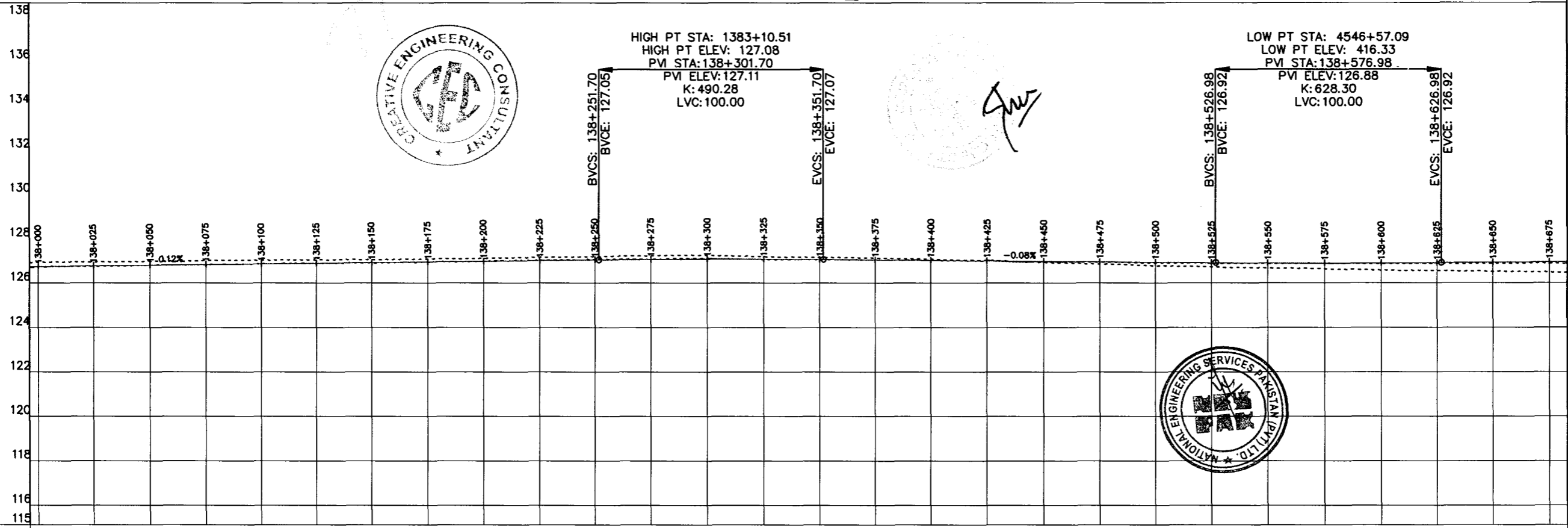
NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND



HIGH PT STA: 1383+10.51
HIGH PT ELEV: 127.08
PVI STA: 138+301.70
PVI ELEV: 127.11
K: 490.28
LVC: 100.00

LOW PT STA: 4546+57.09
LOW PT ELEV: 416.33
PVI STA: 138+576.98
PVI ELEV: 126.88
K: 628.30
LVC: 100.00



TENDER DRAWINGS

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

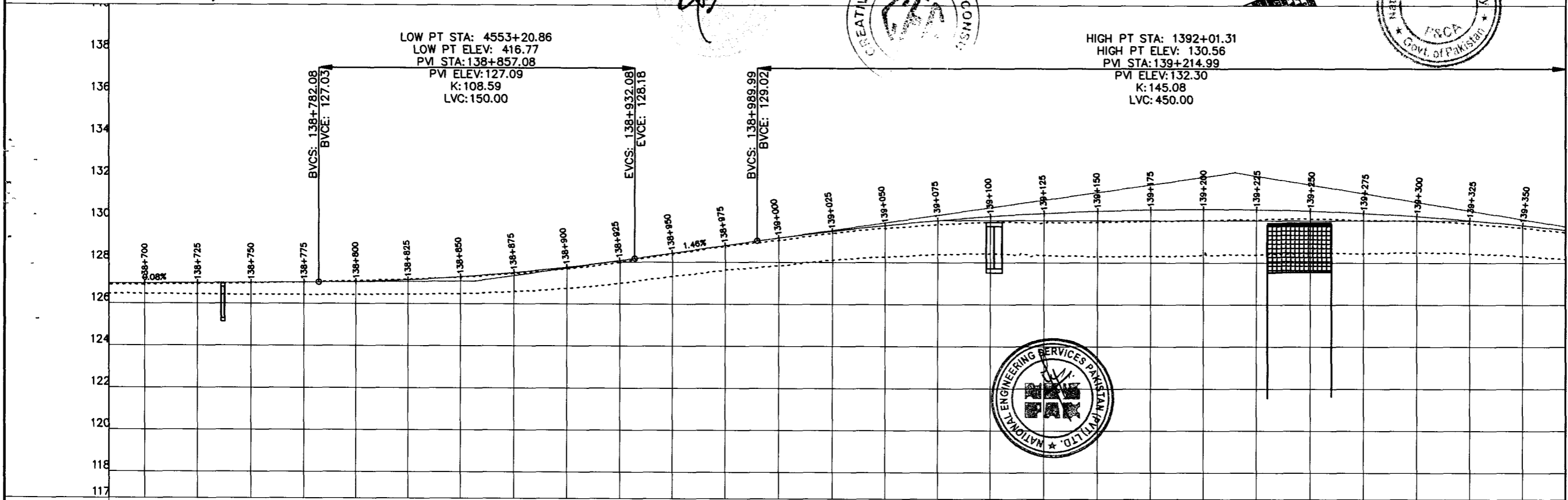
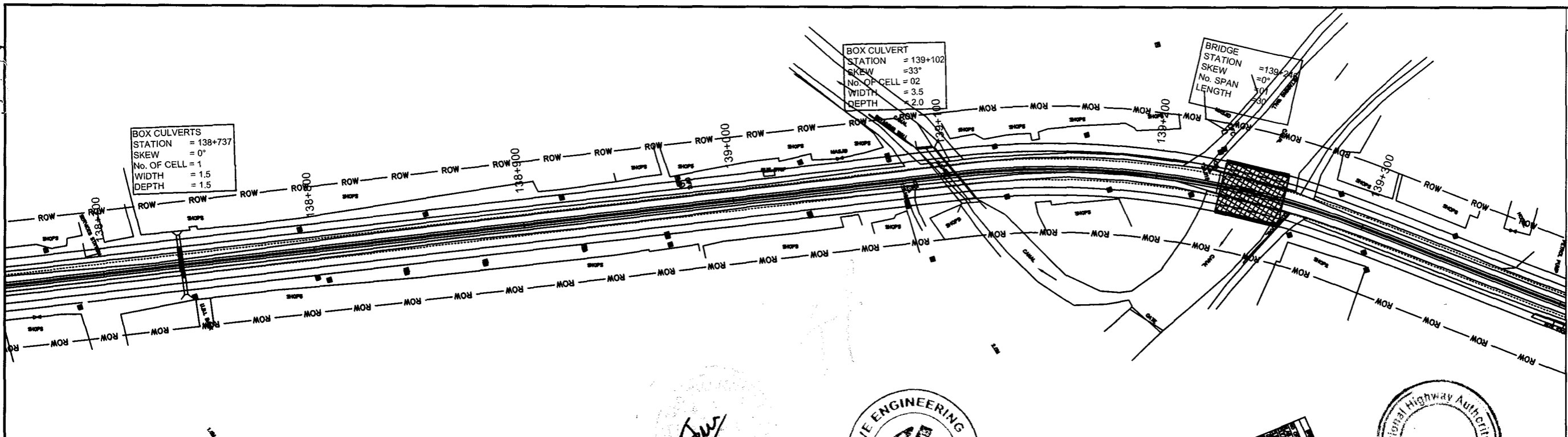
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
137+996.00 - 138+683.00

DESIGN BY: A.S	SHEET NO: 25 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014

HCD	L=3155.23m		L=182.14m R=450.00m		L=662.54m																								
VCD	Grade (0.12%) Tangent Length (385.12) Chainage (138+251.70) Elevation (127.05)		Grade (-0.08%) Tangent Length (175.28) Chainage (138+526.98) Elevation (126.92)																										
P.G.L	137+800	138+025	138+050	138+075	138+100	138+125	138+150	138+175	138+200	138+225	138+250	138+275	138+300	138+325	138+350	138+375	138+400	138+425	138+450	138+475	138+500	138+525	138+550	138+575	138+600	138+625	138+650	138+675	
N.S.L	126.894	126.934	126.981	127.002	127.034	127.021	127.051	127.081	127.113	127.168	127.196	127.225	127.251	127.187	127.162	127.133	127.067	127.017	127.005	126.927	126.859	126.770	126.727	126.668	126.640	126.576	126.544	126.505	126.490
CH	137+800	138+025	138+050	138+075	138+100	138+125	138+150	138+175	138+200	138+225	138+250	138+275	138+300	138+325	138+350	138+375	138+400	138+425	138+450	138+475	138+500	138+525	138+550	138+575	138+600	138+625	138+650	138+675	



Station	HCD	VCD	P.G.L	N.S.L	CH
138+683			126.465	126.465	126.465
138+700			126.459	126.459	126.459
138+725			126.455	126.455	126.455
138+750			126.434	126.434	126.434
138+775			126.433	126.433	126.433
138+800			126.441	126.441	126.441
138+825			126.457	126.457	126.457
138+850			126.473	126.473	126.473
138+875			126.596	126.596	126.499
138+900			126.743	126.743	126.761
138+925			126.998	126.998	128.080
138+950			127.324	127.324	128.442
138+975			127.636	127.636	128.806
139+000			127.846	127.846	129.166
139+025			128.104	128.104	129.492
139+050			128.265	128.265	129.774
139+075			128.389	128.389	130.013
139+100			128.428	128.428	130.209
139+125			128.361	128.361	130.362
139+150			128.297	128.297	130.472
139+175			128.321	128.321	130.539
139+200			128.356	128.356	130.563
139+225			128.389	128.389	130.544
139+250			128.474	128.474	130.481
139+275			128.444	128.444	130.376
139+300			128.492	128.492	130.227
139+325			128.445	128.445	130.036
139+350			128.326	128.326	129.801

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

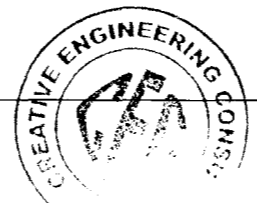
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

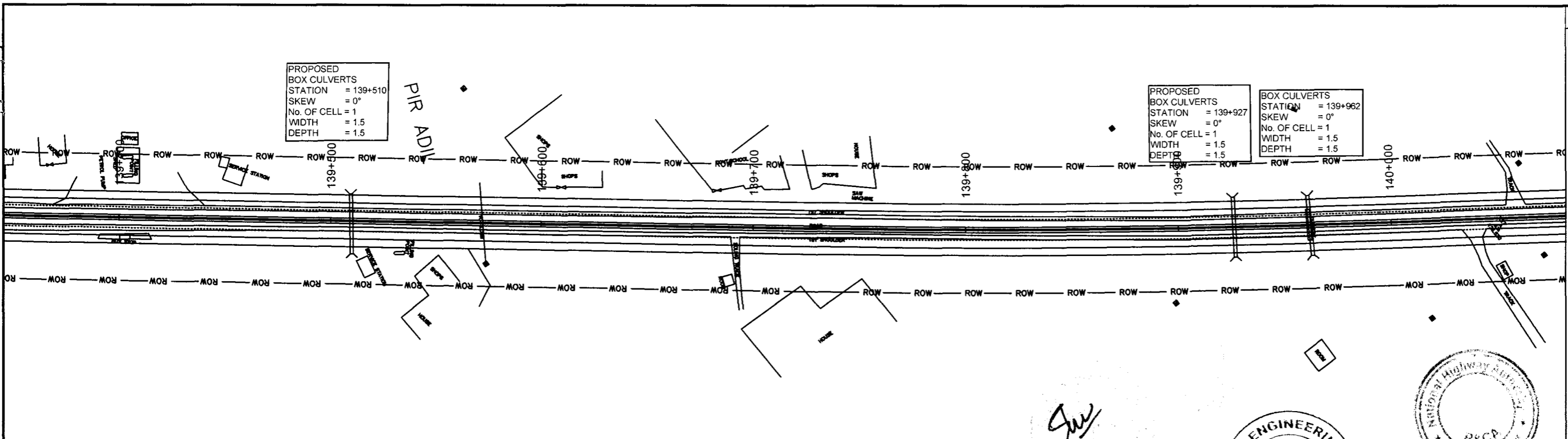
CONSULTANTS:
MINCONSULT SDN BHD In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
138+683.00 - 139+370.00

DESIGN BY: A.S	SHEET NO: 26 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

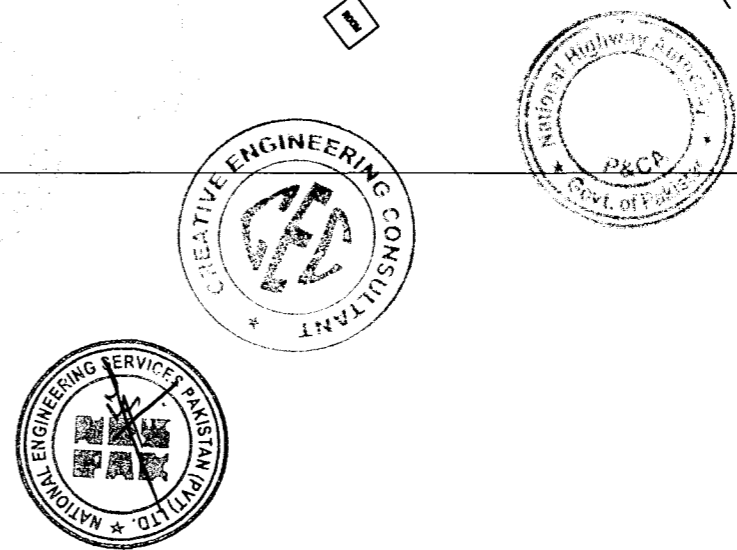
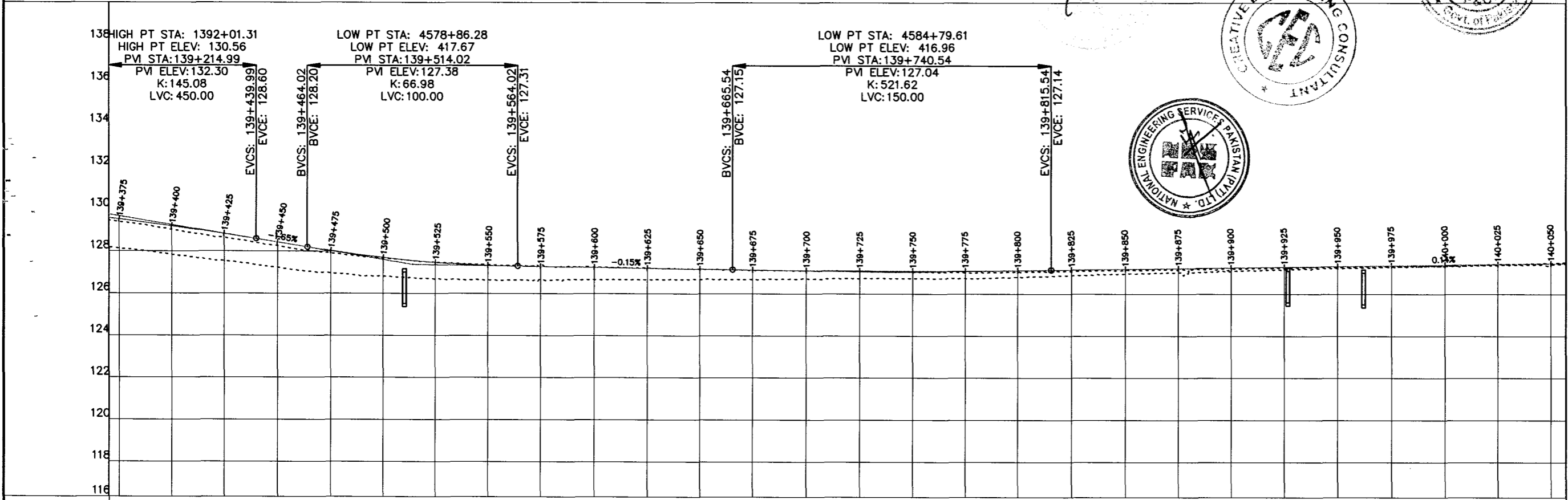
CAD FILE NAME:
CAREC/T-III/TD/014





NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

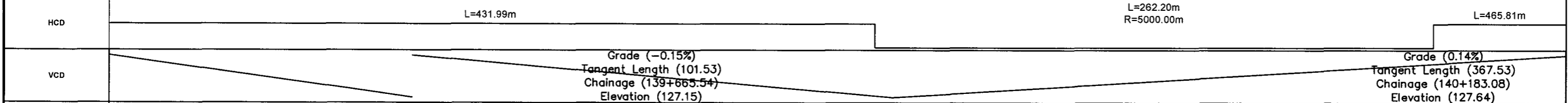


REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

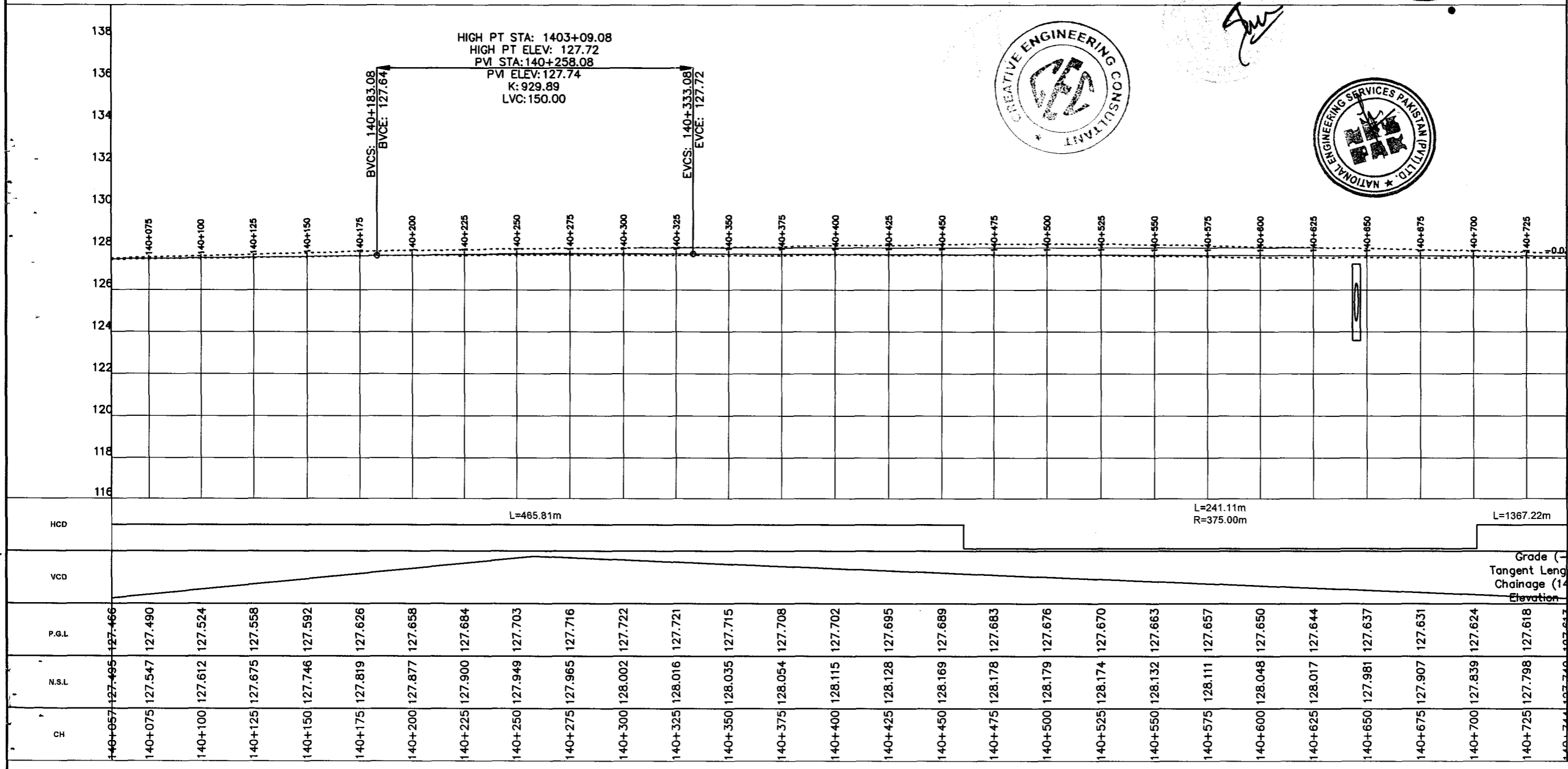
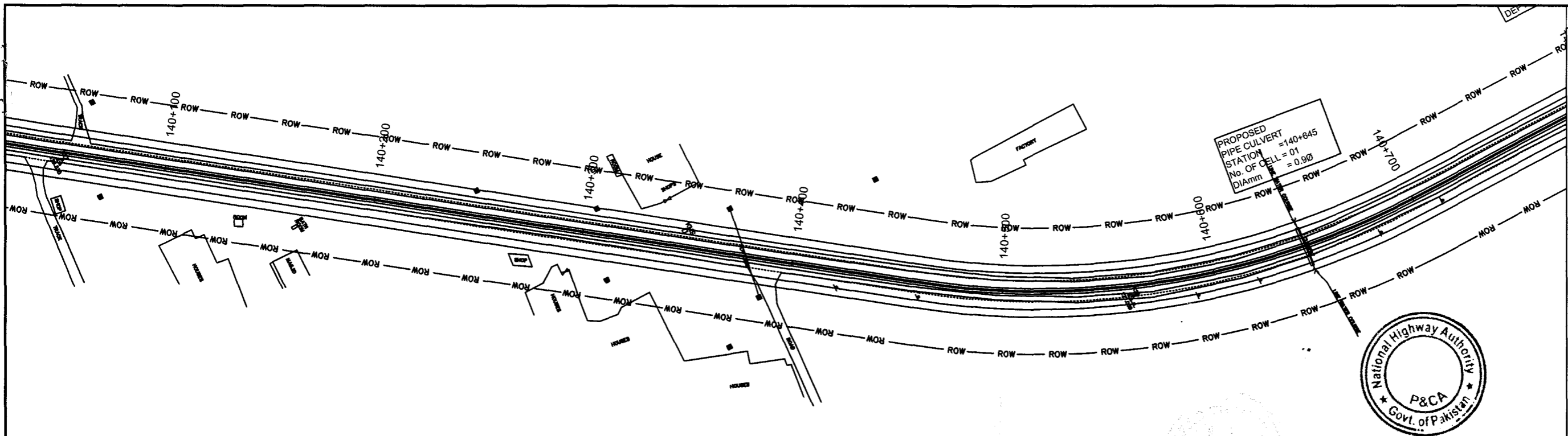
- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAM CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC



DRAWING TITLE:
PLAN & PROFILE
139+370.00 - 140+057.00

P.G.L	129.582	129.523	129.202	128.838	128.435	128.033	127.709	127.479	127.342	127.289	127.251	127.213	127.175	127.138	127.110	127.095	127.091	127.100	127.120	127.152	127.186	127.219	127.253	127.287	127.321	127.355	127.389	127.423	127.457
N.S.L	128.478	128.139	127.844	127.550	127.232	126.958	126.801	126.681	126.641	126.651	126.660	126.659	126.672	126.677	126.715	126.723	126.728	126.739	126.801	126.872	126.962	127.023	127.087	127.170	127.222	127.293	127.326	127.410	127.471
CH	139+375	139+400	139+425	139+450	139+475	139+500	139+525	139+550	139+575	139+600	139+625	139+650	139+675	139+700	139+725	139+750	139+775	139+800	139+825	139+850	139+875	139+900	139+925	139+950	139+975	140+000	140+025	140+050	

DESIGN BY:	SHEET NO:
A.S	27 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:
CAD FILE NAME:	
CAREC/T-III/TD/014	



Station	P.G.L	N.S.L	CH
140+075	127.490	127.547	127.495
140+100	127.524	127.612	127.500
140+125	127.558	127.675	127.534
140+150	127.592	127.746	127.568
140+175	127.626	127.819	127.602
140+200	127.658	127.877	127.634
140+225	127.684	127.900	127.660
140+250	127.703	127.949	127.689
140+275	127.716	127.965	127.702
140+300	127.722	128.002	127.708
140+325	127.721	128.016	127.715
140+350	127.715	128.035	127.715
140+375	127.708	128.054	127.708
140+400	127.702	128.115	127.702
140+425	127.695	128.128	127.695
140+450	127.689	128.169	127.689
140+475	127.683	128.178	127.683
140+500	127.676	128.179	127.676
140+525	127.670	128.174	127.670
140+550	127.663	128.132	127.663
140+575	127.657	128.111	127.657
140+600	127.650	128.048	127.650
140+625	127.644	128.017	127.644
140+650	127.637	127.981	127.637
140+675	127.631	127.907	127.631
140+700	127.624	127.839	127.624
140+725	127.618	127.798	127.618

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

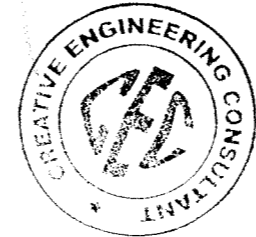
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
140+057.00 - 140+744.00

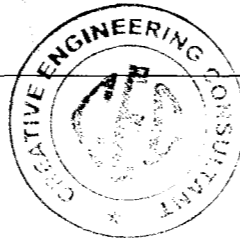
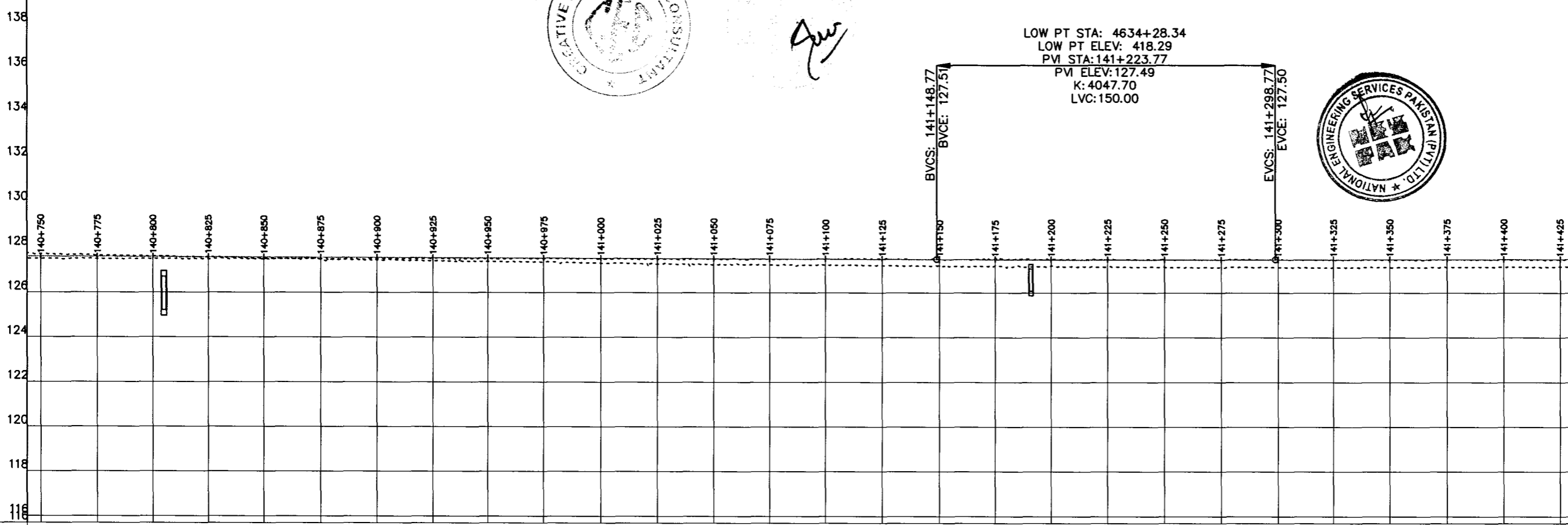
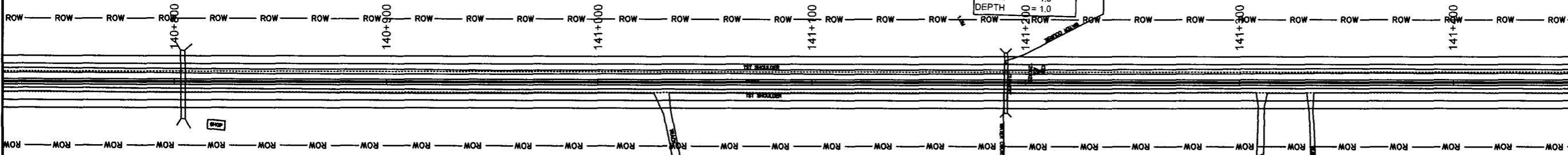
DESIGN BY:	SHEET NO:
A.S	28 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014

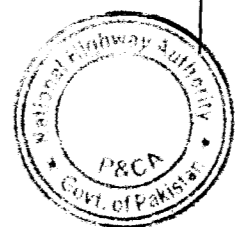


PROPOSED
BOX CULVERT
STATION = 140+805
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERTS
STATION = 141+191
SKEW = 0°
No. OF CELL = 1
WIDTH = 1.5
DEPTH = 1.0



Signature



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-65 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

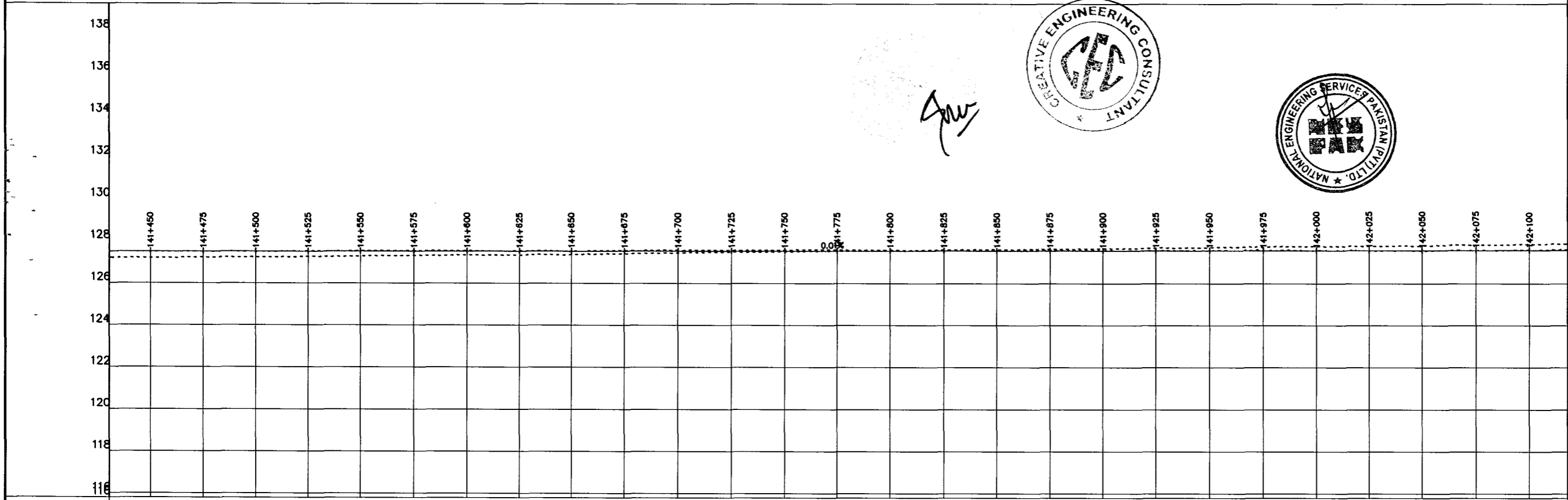
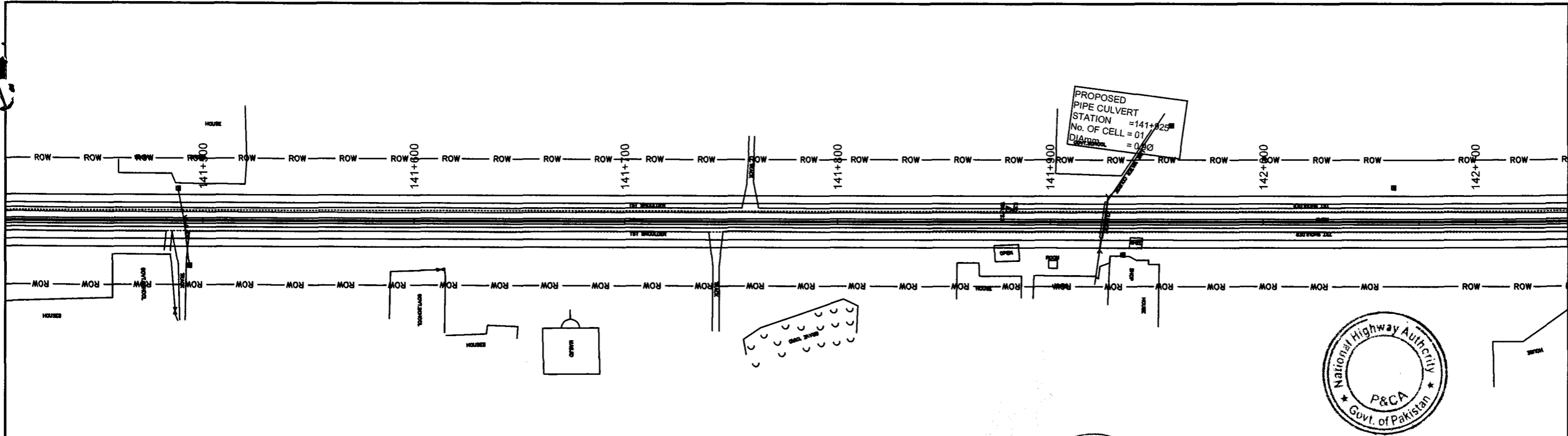
CONSULTANTS:
MINCONSULT SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
140+744.00 - 141+431.00

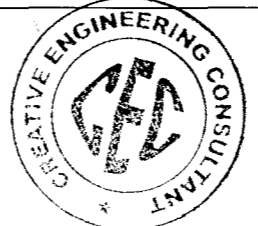
DESIGN BY: A.S	SHEET NO: 29 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014

HCD	L=1367.22m																												
VCD	[Profile Curve Line]																												
P.G.L	140+744	140+750	140+775	140+800	140+825	140+850	140+875	140+900	140+925	140+950	140+975	141+000	141+025	141+050	141+075	141+100	141+125	141+150	141+175	141+200	141+225	141+250	141+275	141+300	141+325	141+350	141+375	141+400	141+425
N.S.L	127.749	127.724	127.668	127.626	127.572	127.520	127.501	127.458	127.436	127.396	127.372	127.331	127.279	127.239	127.254	127.256	127.229	127.223	127.227	127.229	127.181	127.167	127.153	127.156	127.146	127.153	127.158	127.165	127.183
CH	127.613	127.612	127.605	127.599	127.592	127.586	127.579	127.573	127.566	127.560	127.553	127.547	127.541	127.534	127.528	127.521	127.515	127.508	127.503	127.499	127.496	127.495	127.496	127.498	127.501	127.503	127.506	127.509	127.512



Station	CH	N.S.L	P.G.L
141+450	127.184	127.189	127.515
141+475	127.223	127.245	127.518
141+500	127.266	127.286	127.520
141+525	127.301	127.318	127.523
141+550	127.332	127.344	127.526
141+575	127.371	127.371	127.529
141+600	127.332	127.332	127.532
141+625	127.344	127.344	127.534
141+650	127.371	127.371	127.537
141+675	127.405	127.405	127.540
141+700	127.441	127.441	127.543
141+725	127.467	127.467	127.546
141+750	127.510	127.510	127.548
141+775	127.552	127.552	127.551
141+800	127.556	127.556	127.554
141+825	127.587	127.587	127.557
141+850	127.607	127.607	127.560
141+875	127.644	127.644	127.563
141+900	127.653	127.653	127.565
141+925	127.679	127.679	127.568
141+950	127.715	127.715	127.571
141+975	127.720	127.720	127.574
142+000	127.771	127.771	127.577
142+025	127.784	127.784	127.579
142+050	127.806	127.806	127.582
142+075	127.837	127.837	127.585
142+100	127.876	127.876	127.588



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

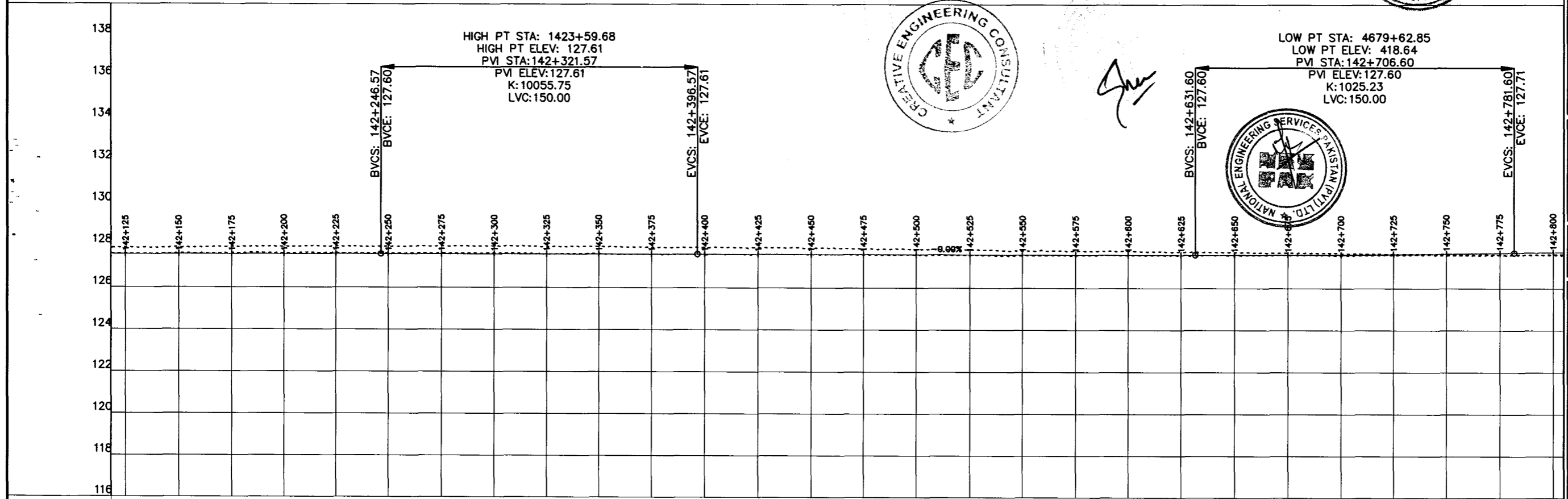
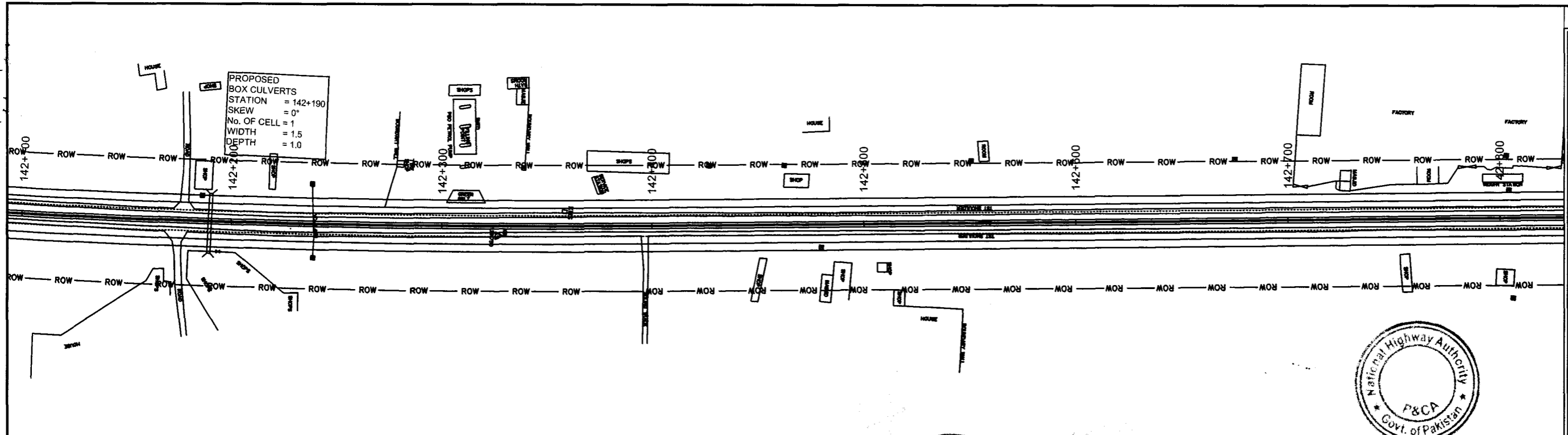
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
141+431.00 - 142+118.00

DESIGN BY: A.S	SHEET NO: 30 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



Station	HCD	VCD	P.G.L	N.S.L	CH
142+118			127.896	127.896	127.896
142+125			127.896	127.896	127.896
142+150			127.904	127.904	127.904
142+175			127.942	127.942	127.942
142+200			127.922	127.922	127.922
142+225			127.952	127.952	127.952
142+250			127.953	127.953	127.953
142+275			127.966	127.966	127.966
142+300			127.980	127.980	127.980
142+325			127.931	127.931	127.931
142+350			127.954	127.954	127.954
142+375			127.929	127.929	127.929
142+400			127.939	127.939	127.939
142+425			127.909	127.909	127.909
142+450			127.905	127.905	127.905
142+475			127.854	127.854	127.854
142+500			127.845	127.845	127.845
142+525			127.825	127.825	127.825
142+550			127.787	127.787	127.787
142+575			127.779	127.779	127.779
142+600			127.783	127.783	127.783
142+625			127.740	127.740	127.740
142+650			127.726	127.726	127.726
142+675			127.696	127.696	127.696
142+700			127.671	127.671	127.671
142+725			127.649	127.649	127.649
142+750			127.620	127.620	127.620
142+775			127.629	127.629	127.629
142+800			127.609	127.609	127.609

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

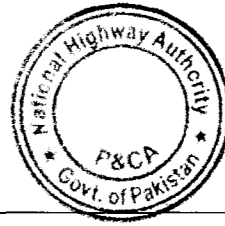
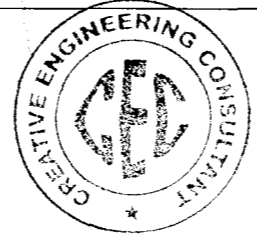
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

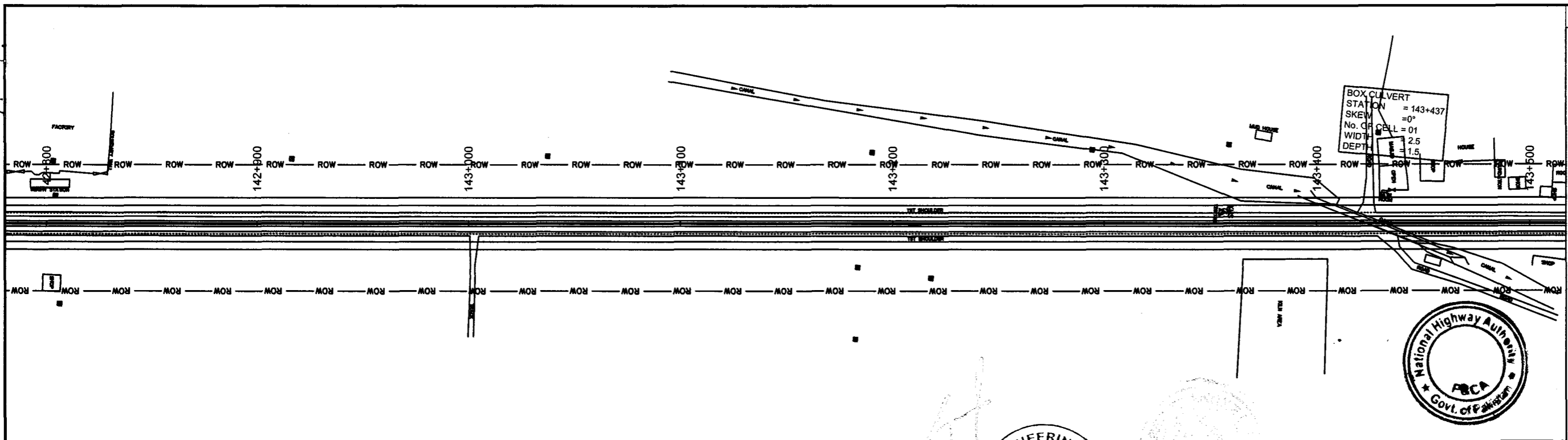
CONSULTANTS:
MINCONSULT SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
142+118.00 - 142+805.00

DESIGN BY:	SHEET NO:
A.S	31 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

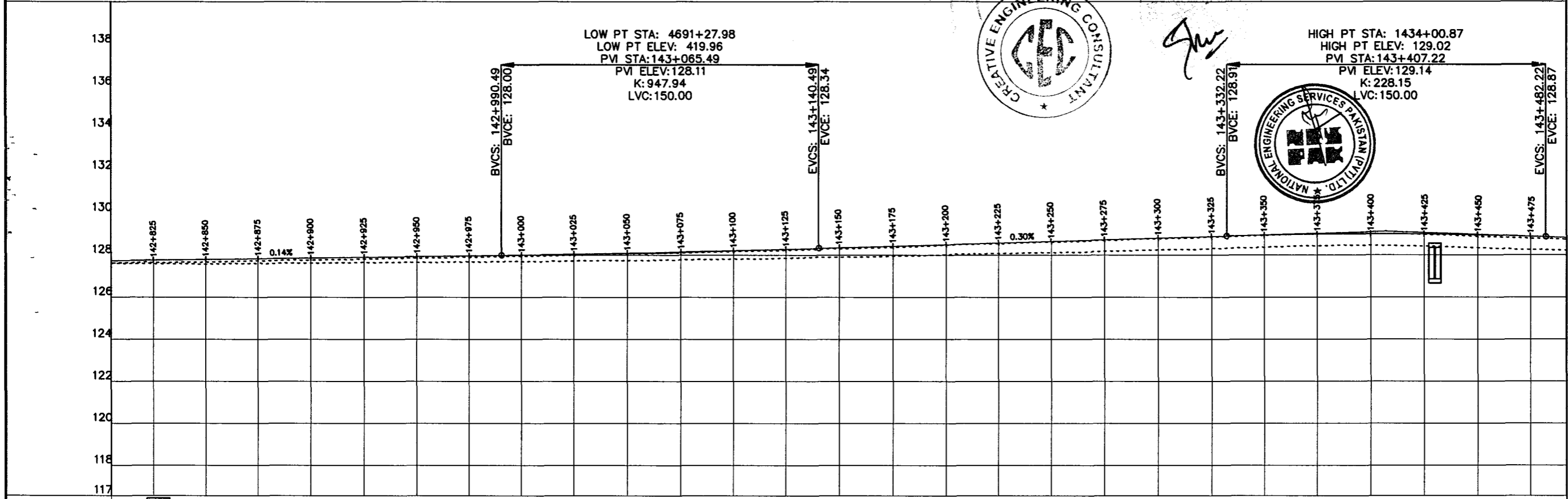
CAD FILE NAME:
CAREC/T-III/TD/014





NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Station	P.G.L	N.S.L	CH
142+805	127.739	127.662	127.739
142+825	127.768	127.604	127.768
142+850	127.803	127.577	127.803
142+875	127.839	127.593	127.839
142+900	127.874	127.630	127.874
142+925	127.910	127.658	127.910
142+950	127.946	127.656	127.946
142+975	127.981	127.674	127.981
143+000	128.018	127.691	128.018
143+025	128.059	127.732	128.059
143+050	128.107	127.756	128.107
143+075	128.162	127.782	128.162
143+100	128.223	127.826	128.223
143+125	128.291	127.857	128.291
143+150	128.365	127.908	128.365
143+175	128.440	127.954	128.440
143+200	128.515	128.036	128.515
143+225	128.590	128.094	128.590
143+250	128.666	128.125	128.666
143+275	128.741	128.193	128.741
143+300	128.816	128.248	128.816
143+325	128.891	128.323	128.891
143+350	128.960	128.377	128.960
143+375	129.002	128.432	129.002
143+400	129.016	128.468	129.016
143+425	129.004	128.416	129.004
143+450	128.963	128.343	128.963
143+475	128.896	128.252	128.896

TENDER DRAWINGS
REV. REVISION/ISSUE DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

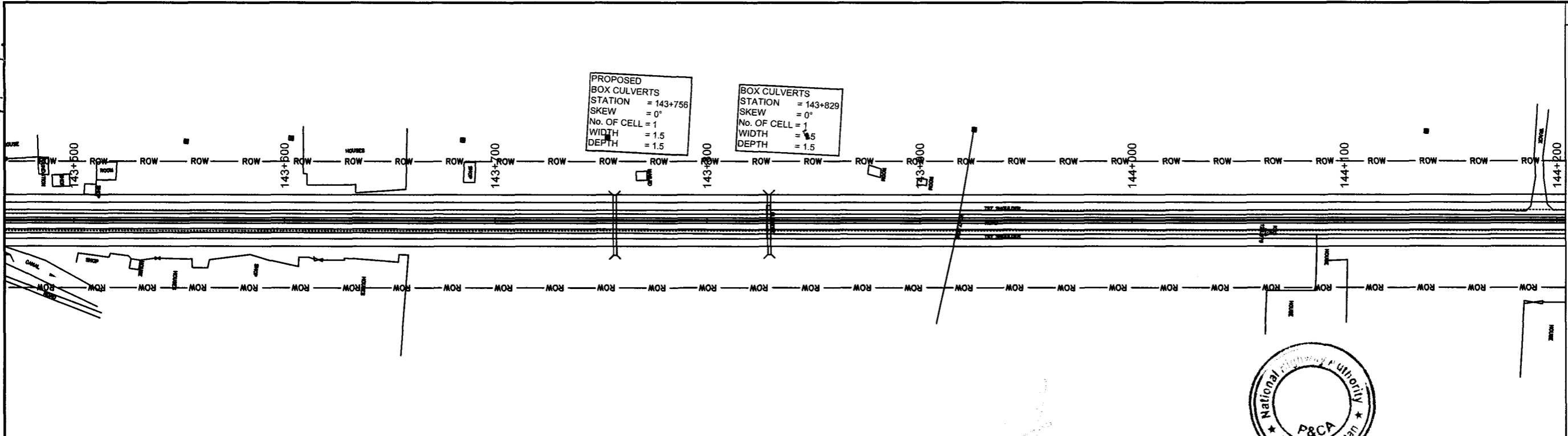
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
142+805.00 - 143+492.00

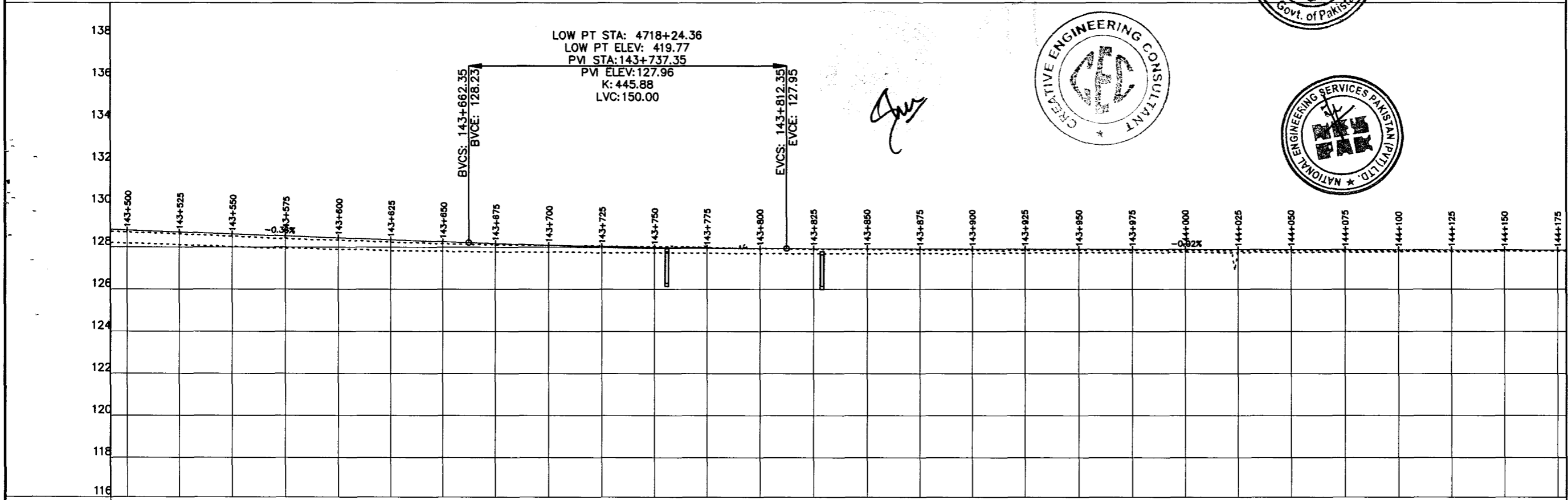
DESIGN BY: A.S	SHEET NO: 32 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



PROPOSED
BOX CULVERTS
STATION = 143+756
SKEW = 0°
No. OF CELL = 1
WIDTH = 1.5
DEPTH = 1.5

BOX CULVERTS
STATION = 143+829
SKEW = 0°
No. OF CELL = 1
WIDTH = 1.5
DEPTH = 1.5



Station	CH	N.S.L	P.G.L
143+492		128.287	128.836
143+500		128.192	128.808
143+525		128.115	128.719
143+550		128.024	128.630
143+575		127.961	128.540
143+600		127.896	128.451
143+625		127.832	128.362
143+650		127.814	128.273
143+675		127.774	128.186
143+700		127.762	128.111
143+725		127.741	128.050
143+750		127.741	128.003
143+775		127.724	127.970
143+800		127.699	127.951
143+825		127.704	127.944
143+850		127.692	127.939
143+875		127.719	127.934
143+900		127.695	127.929
143+925		127.723	127.924
143+950		127.744	127.919
143+975		127.744	127.914
144+000		127.760	127.909
144+025		127.748	127.904
144+050		127.743	127.898
144+075		127.773	127.893
144+100		127.793	127.888
144+125		127.784	127.883
144+150		127.812	127.878
144+175		127.811	127.873

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 To Km 233+200)

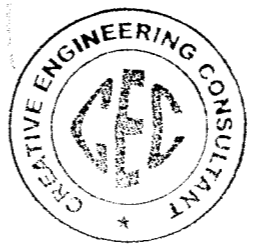
CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

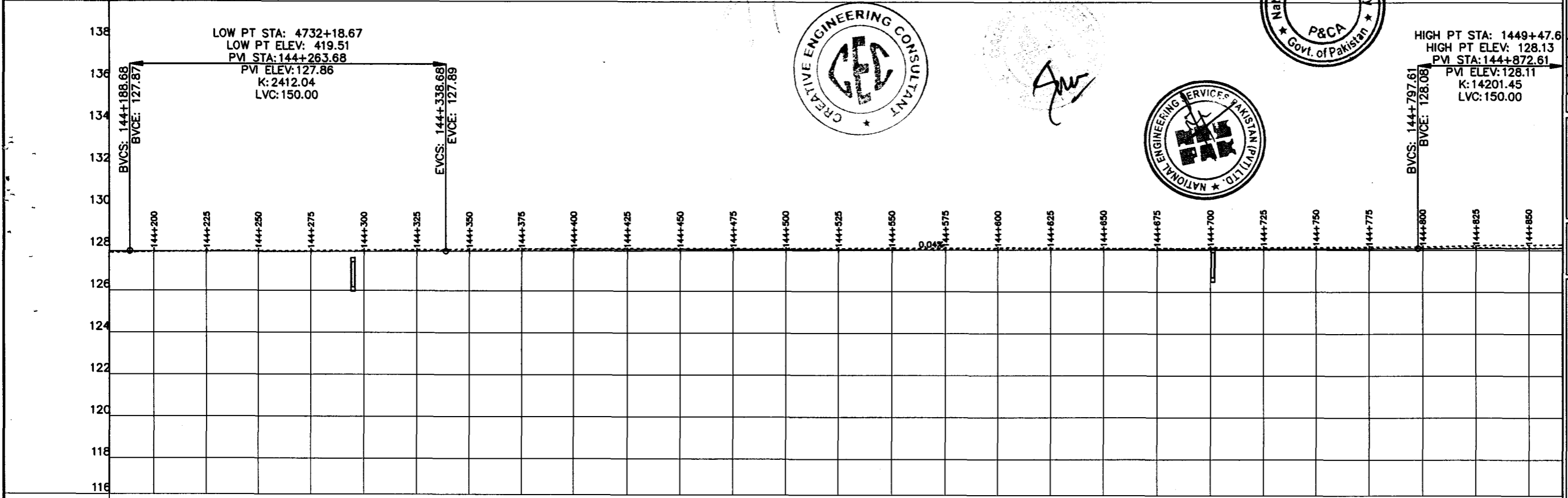
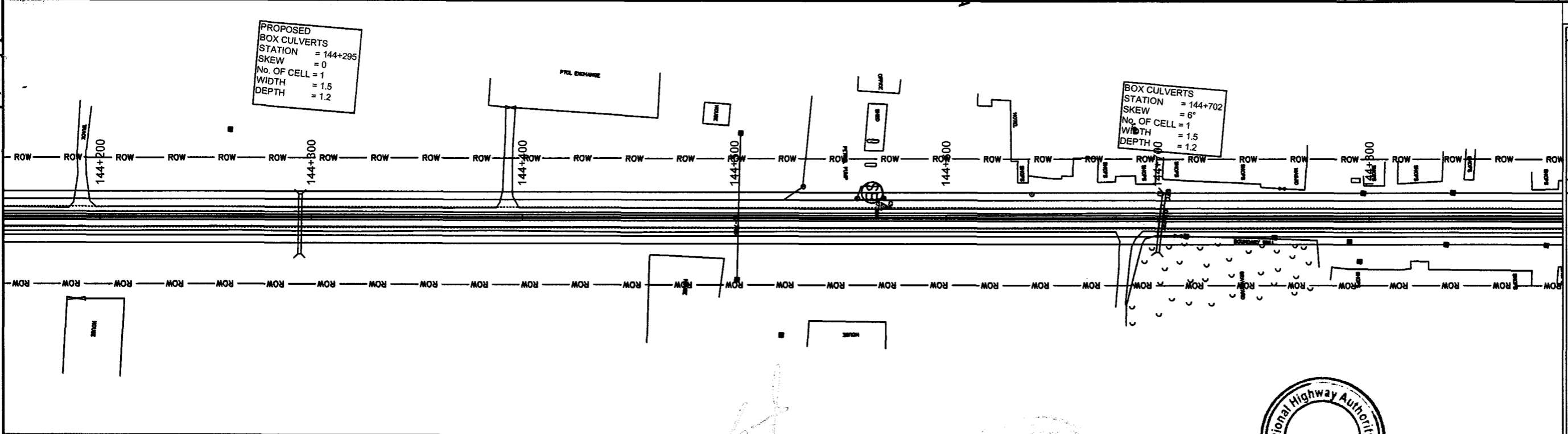
DRAWING TITLE:
PLAN & PROFILE
143+492.00 - 144+179.00

DESIGN BY: A.S	SHEET NO: 33 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/III/TD/014



Signature



Station	CH	N.S.L	P.G.L	VCD	HCD
144+179	127.812	127.812	127.812		
144+200	127.845	127.845	127.868		
144+225	127.902	127.902	127.866		
144+250	127.883	127.866	127.866		
144+275	127.887	127.869	127.869		
144+300	127.916	127.874	127.874		
144+325	127.930	127.882	127.882		
144+350	127.970	127.892	127.892		
144+375	127.993	127.902	127.902		
144+400	128.005	127.913	127.913		
144+425	128.027	127.923	127.923		
144+450	128.029	127.934	127.934		
144+475	128.032	127.944	127.944		
144+500	128.051	127.955	127.955		
144+525	128.048	127.965	127.965		
144+550	128.086	127.976	127.976		
144+575	128.080	127.986	127.986		
144+600	128.072	127.997	127.997		
144+625	128.074	128.007	128.007		
144+650	128.079	128.018	128.018		
144+675	128.066	128.028	128.028		
144+700	128.111	128.039	128.039		
144+725	128.123	128.049	128.049		
144+750	128.110	128.060	128.060		
144+775	128.150	128.070	128.070		
144+800	128.146	128.081	128.081		
144+825	128.206	128.091	128.091		
144+850	128.245	128.101	128.101		

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

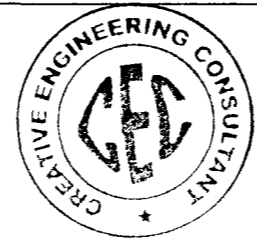
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
144+179.00 - 144+866.00

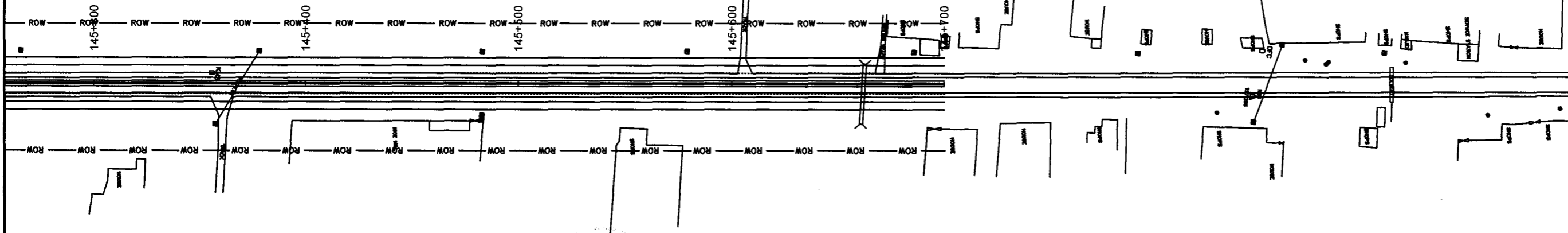
DESIGN BY:	SHEET NO:
A.S	34 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



= 0
 ELL = 1
 = 1.5
 = 0.9

PROPOSED
 BOX CULVERTS
 STATION = 145+662
 SKEW = 0°
 No. OF CELL = 1
 WIDTH = 1.5
 DEPTH = 1.0



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

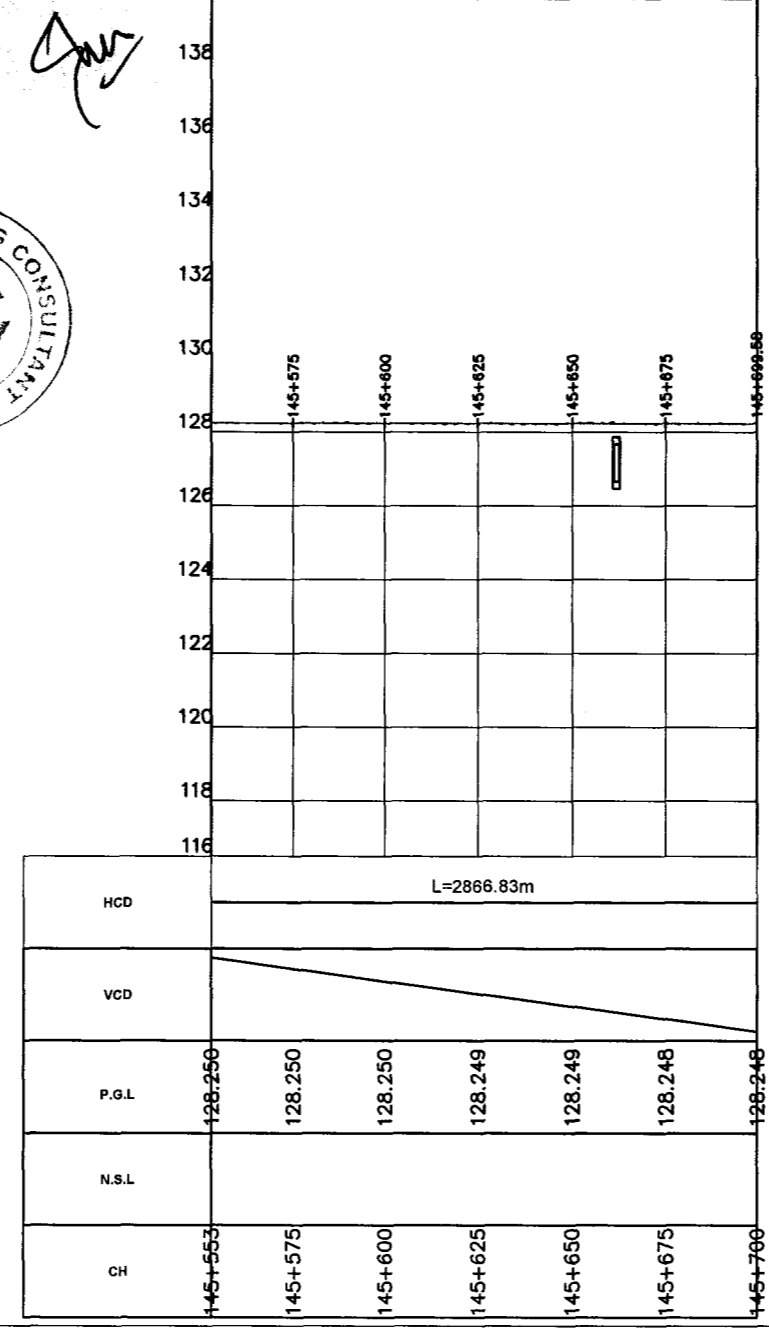
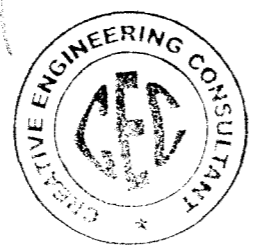
CONSULTANTS:

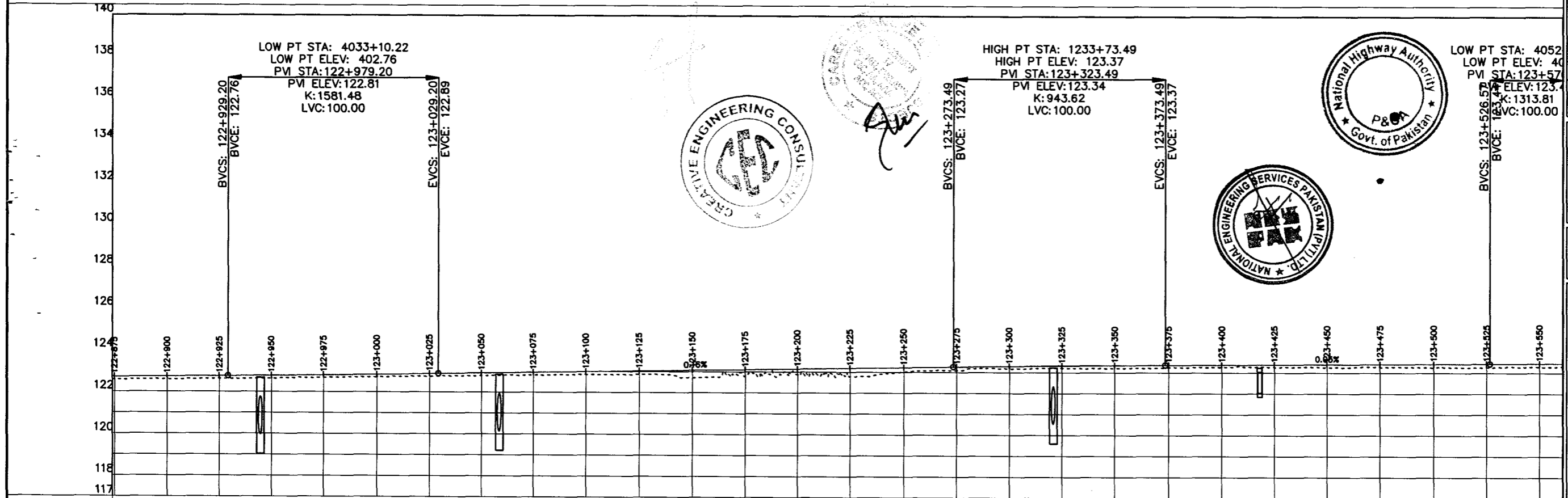
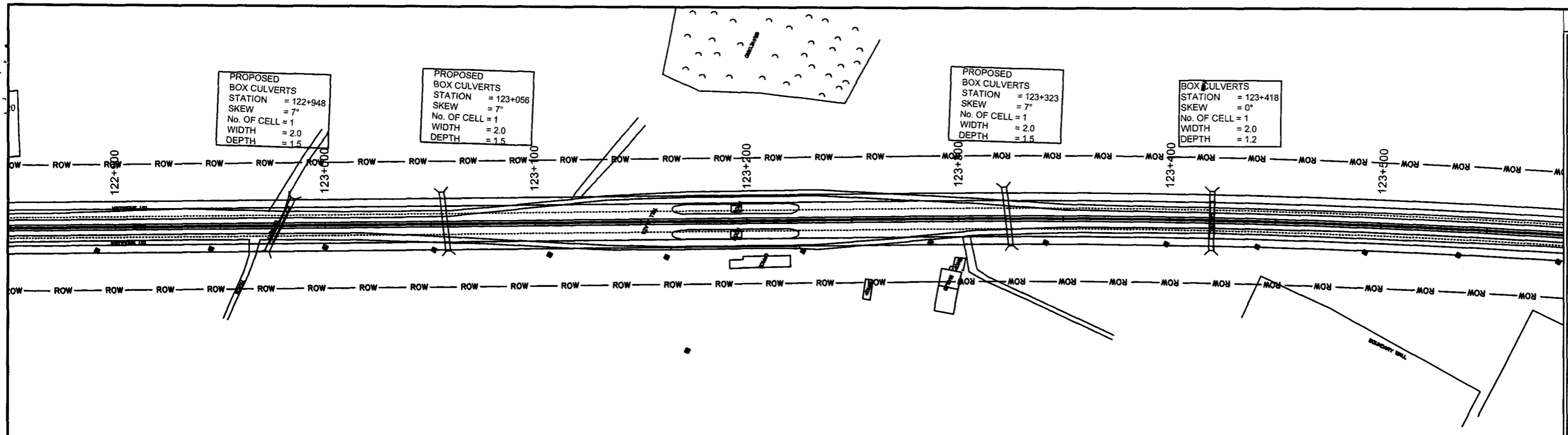
- MINCONSULT SDN BHD
In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 145+553.00 - 145+699.58

DESIGN BY: A.S	SHEET NO: 36 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/014





Station	CH	N.S.L	P.G.L	VCD	HCD
122+800	122.596	122.596	122.736		
122+900	122.596	122.596	122.736		
122+925	122.621	122.621	122.759		
122+950	122.628	122.628	122.783		
122+975	122.679	122.679	122.811		
123+000	122.717	122.717	122.843		
123+025	122.732	122.732	122.880		
123+050	122.794	122.794	122.918		
123+075	122.821	122.821	122.957		
123+100	122.855	122.855	122.996		
123+125	122.864	122.864	123.035		
123+150	122.712	122.712	123.074		
123+175	122.760	122.760	123.112		
123+200	122.872	122.872	123.151		
123+225	122.790	122.790	123.190		
123+250	123.007	123.007	123.229		
123+275	123.086	123.086	123.268		
123+300	123.180	123.180	123.303		
123+325	123.213	123.213	123.331		
123+350	123.202	123.202	123.353		
123+375	123.244	123.244	123.368		
123+400	123.262	123.262	123.381		
123+425	123.265	123.265	123.393		
123+450	123.257	123.257	123.405		
123+475	123.284	123.284	123.418		
123+500	123.256	123.256	123.430		
123+525	123.275	123.275	123.442		
123+550	123.288	123.288	123.457		

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

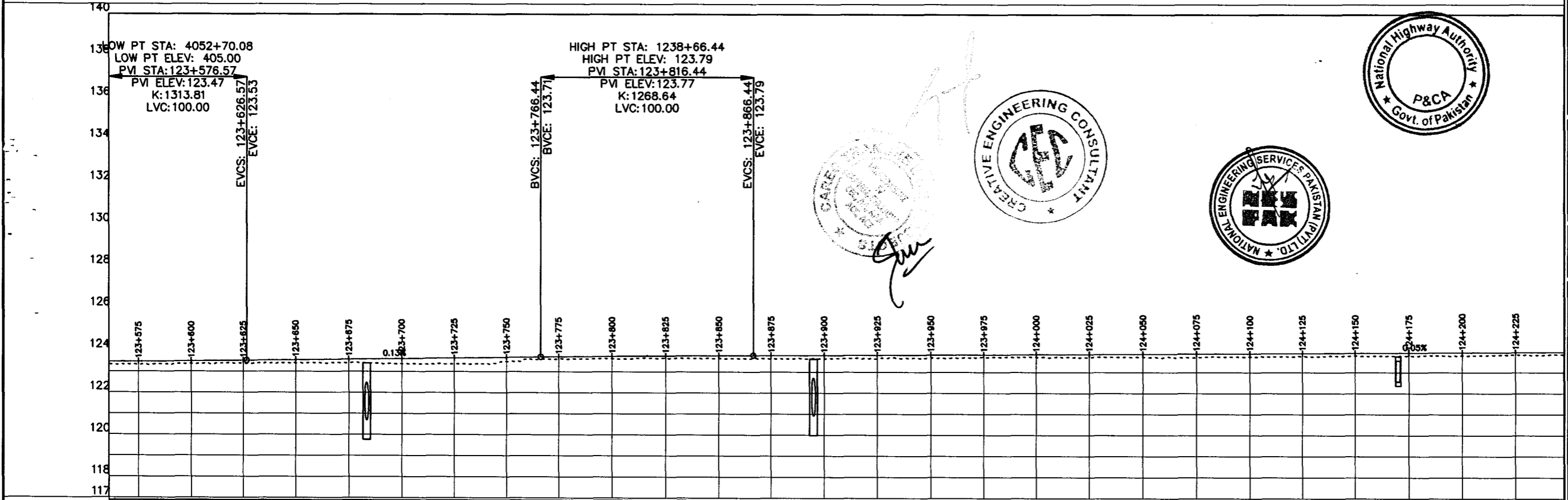
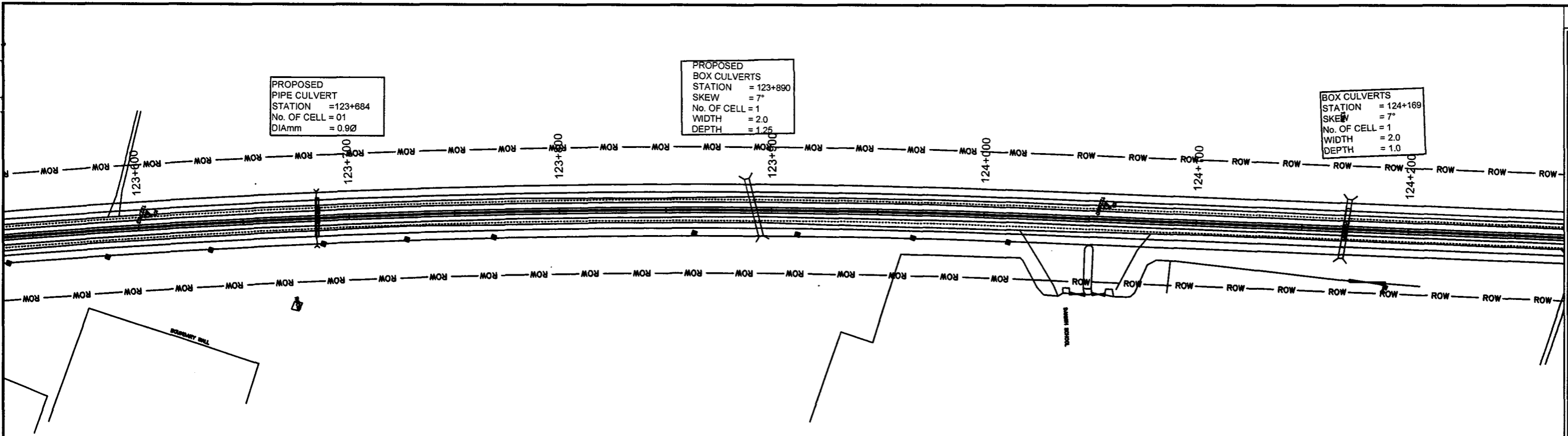
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
122+874.00 - 123+561.00

DESIGN BY:	S.M	SHEET NO:	3 OF 170
DRAWN BY:	S.M	SCALE:	H = 1:2000 V = 1:100
CHECKED BY:	A.S	DATE:	APRIL, 2024
APPROVED BY:		REVISION:	

CAD FILE NAME:
CAREC/T-III/TD/013



Station	CH	N.S.L	P.G.L	VCD	HCD
123+561		123.324	123.464		
123+575		123.320	123.476		
123+600		123.358	123.500		
123+625		123.376	123.528		
123+650		123.388	123.560		
123+675		123.405	123.591		
123+700		123.368	123.622		
123+725		123.362	123.654		
123+750		123.485	123.685		
123+775		123.604	123.716		
123+800		123.618	123.743		
123+825		123.638	123.766		
123+850		123.638	123.783		
123+875		123.622	123.796		
123+900		123.621	123.807		
123+925		123.641	123.819		
123+950		123.665	123.831		
123+975		123.697	123.842		
124+000		123.711	123.854		
124+025		123.706	123.866		
124+050		123.720	123.877		
124+075		123.700	123.889		
124+100		123.743	123.900		
124+125		123.762	123.912		
124+150		123.794	123.924		
124+175		123.781	123.935		
124+200		123.804	123.947		
124+225		123.838	123.959		

PROPOSED
PIPE CULVERT
STATION = 123+684
No. OF CELL = 01
DIAM = 0.90

PROPOSED
BOX CULVERTS
STATION = 123+890
SKEW = 7°
No. OF CELL = 1
WIDTH = 2.0
DEPTH = 1.25

BOX CULVERTS
STATION = 124+169
SKEW = 7°
No. OF CELL = 1
WIDTH = 2.0
DEPTH = 1.0

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1 (Km 121+500 TO Km 233+200)

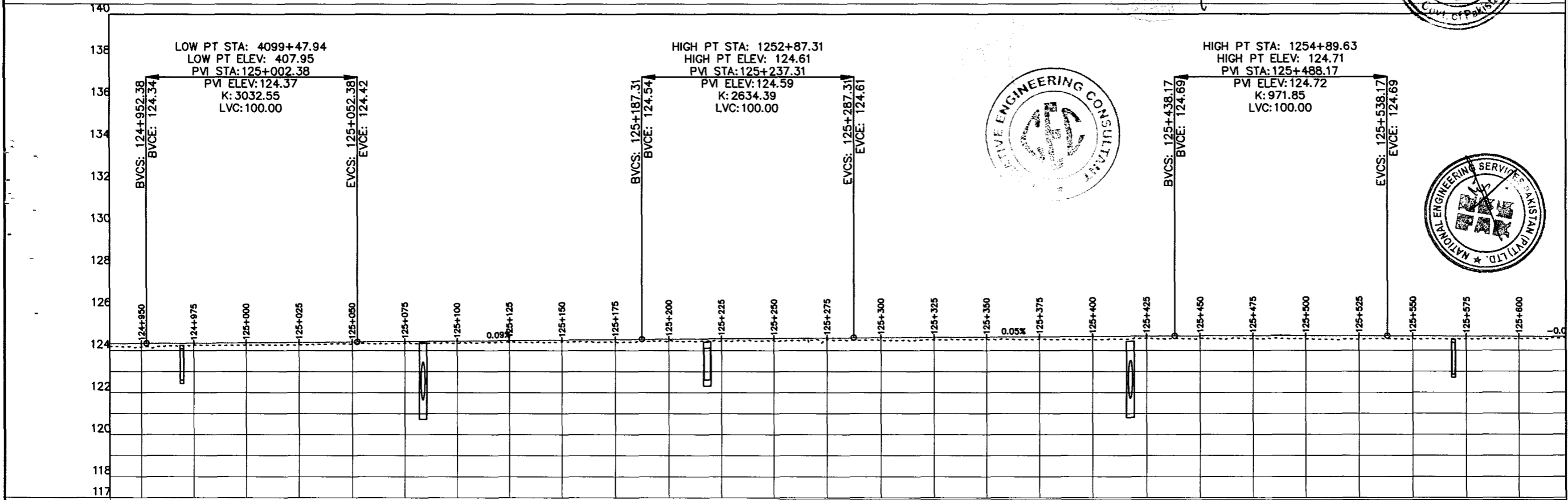
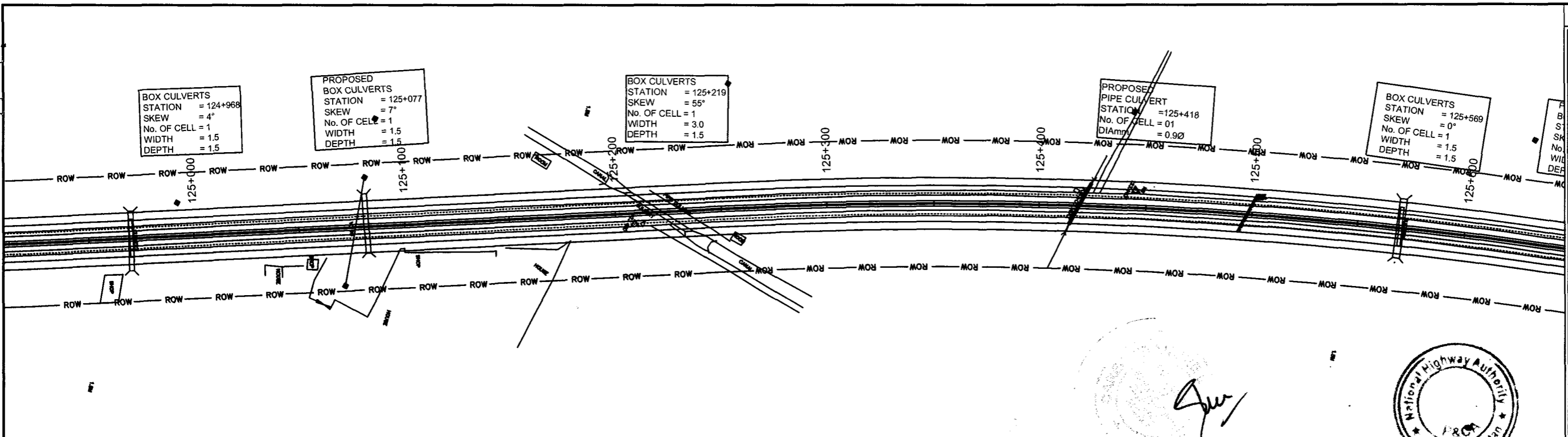
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
SAMAN CORPORATION
SHELDIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
123+561.00 - 124+248.00

DESIGN BY:	SHEET NO:
S.M	4 OF 170
DRAWN BY:	SCALE:
S.M	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013



Station	CH	N.S.L	P.G.L	VCD	HCD
124+950	124.334	124.190	124.334		
124+950	124.166	124.166	124.343		
124+975	124.275	124.275	124.358		
125+000	124.256	124.256	124.376		
125+025	124.277	124.277	124.395		
125+050	124.319	124.319	124.417		
125+075	124.349	124.349	124.439		
125+100	124.356	124.356	124.462		
125+125	124.412	124.412	124.485		
125+150	124.432	124.432	124.507		
125+175	124.412	124.412	124.530		
125+200	124.442	124.442	124.553		
125+225	124.458	124.458	124.573		
125+250	124.472	124.472	124.591		
125+275	124.522	124.522	124.606		
125+300	124.474	124.474	124.620		
125+325	124.493	124.493	124.633		
125+350	124.543	124.543	124.646		
125+375	124.535	124.535	124.660		
125+400	124.515	124.515	124.673		
125+425	124.595	124.595	124.686		
125+450	124.573	124.573	124.699		
125+475	124.571	124.571	124.706		
125+500	124.542	124.542	124.706		
125+525	124.520	124.520	124.700		
125+550	124.533	124.533	124.689		
125+575	124.543	124.543	124.676		
125+600	124.553	124.553	124.664		

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

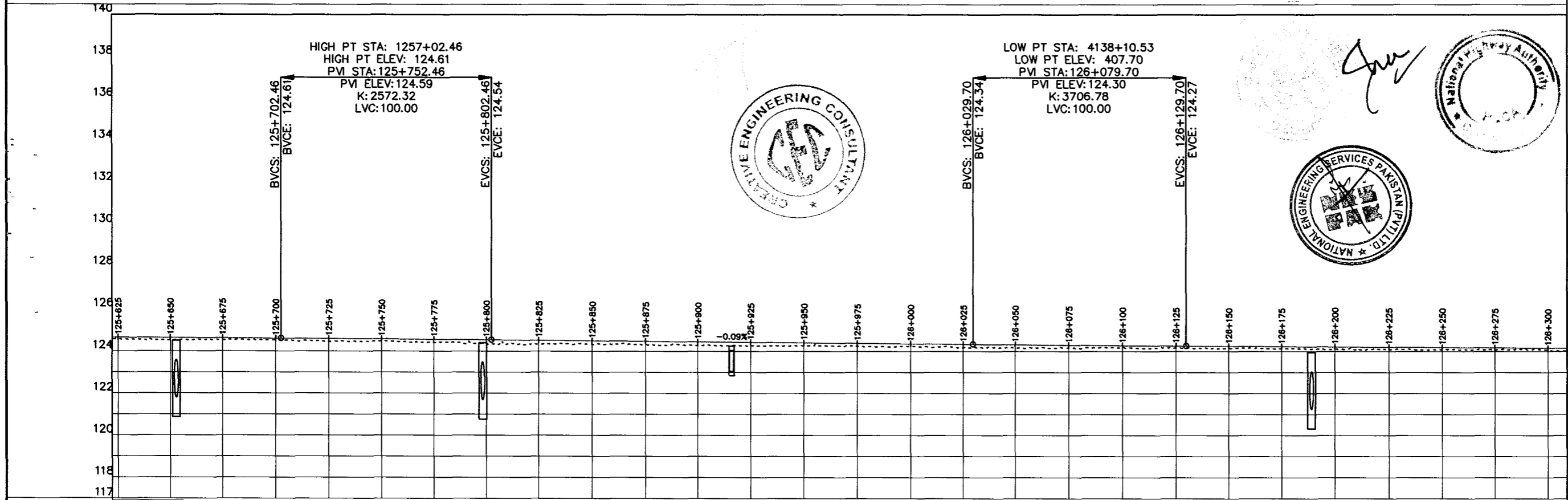
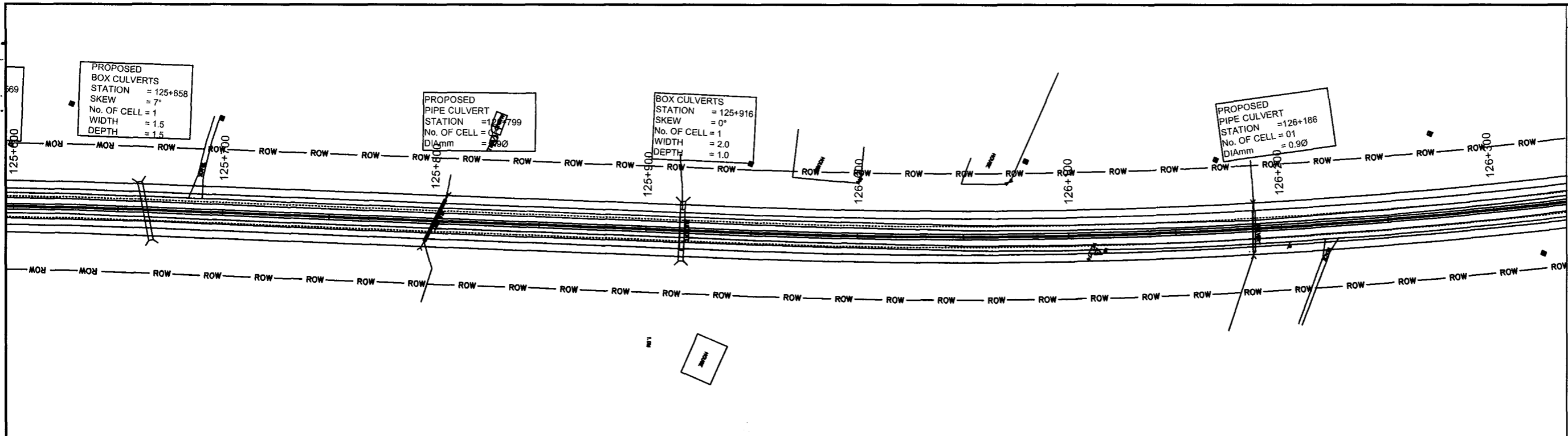
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMANI CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
124+935.00 - 125+622.00

DESIGN BY: S.M	SHEET NO. 6 OF 170
DRAWN BY: S.M	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013



Station	HCD	VCD	P.G.L	N.S.L	CH
125+625			124.567	124.569	124.567
125+650			124.639	124.530	124.639
125+675			124.626	124.534	124.626
125+700			124.614	124.520	124.614
125+725			124.600	124.445	124.600
125+750			124.584	124.476	124.584
125+775			124.566	124.407	124.566
125+800			124.545	124.337	124.545
125+825			124.523	124.318	124.523
125+850			124.501	124.334	124.501
125+875			124.479	124.315	124.479
125+900			124.457	124.279	124.457
125+925			124.434	124.233	124.434
125+950			124.412	124.264	124.412
125+975			124.390	124.236	124.390
126+000			124.368	124.234	124.368
126+025			124.346	124.169	124.346
126+050			124.324	124.156	124.324
126+075			124.304	124.174	124.304
126+100			124.286	124.173	124.286
126+125			124.269	124.169	124.269
126+150			124.253	124.148	124.253
126+175			124.238	124.134	124.238
126+200			124.223	124.094	124.223
126+225			124.207	124.089	124.207
126+250			124.192	124.088	124.192
126+275			124.176	124.074	124.176
126+300			124.161	124.063	124.161

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS
REV. REVISION/ISSUE DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

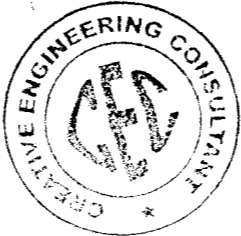
CLIENT:
NIA NATIONAL HIGHWAYS AUTHORITY (NHA)

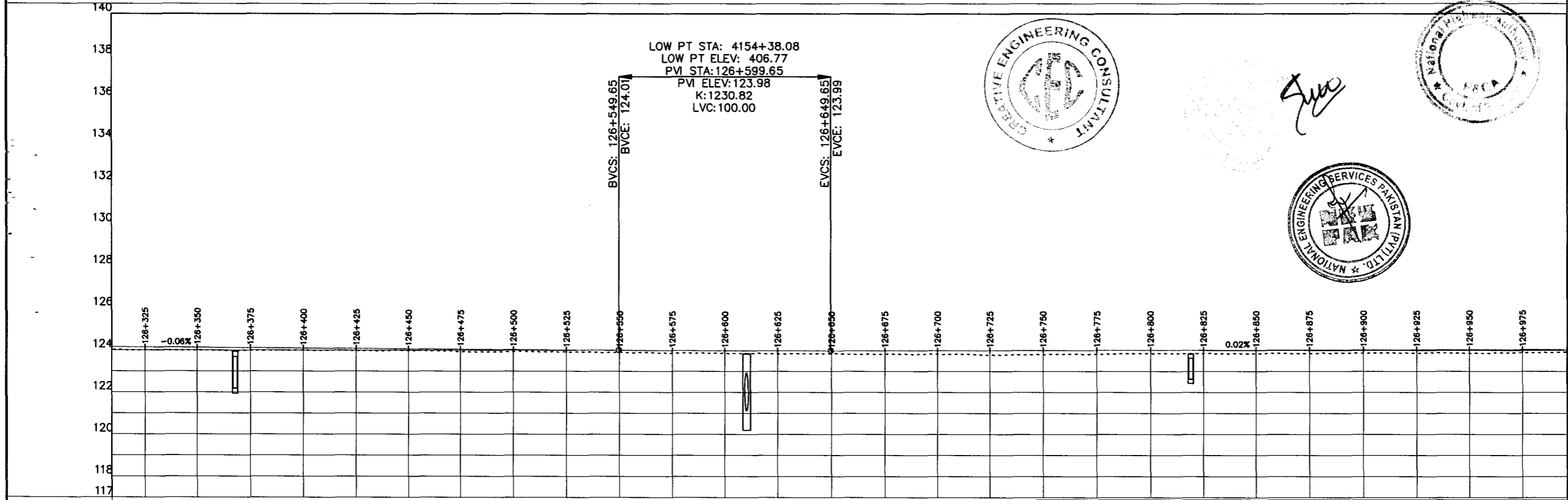
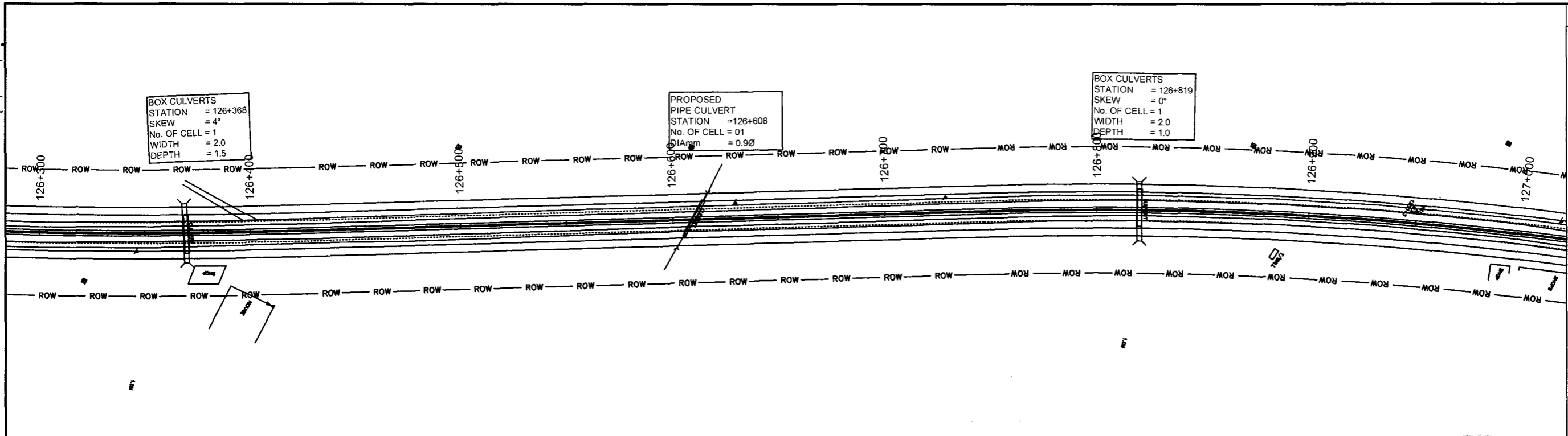
CONSULTANTS:
MINCONSULT SDN BHD In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
125+622.00 - 126+309.00

DESIGN BY: S.M. **SHEET NO:** 7 OF 170
DRAWN BY: S.M. **SCALE:** H = 1:2000, V = 1:100
CHECKED BY: A.S. **DATE:** APRIL, 2024
APPROVED BY: **REVISION:**

CAD FILE NAME:
CAREC/T-III/TD/013





Station	CH	N.S.L	P.G.L
126+300	124.929	124.155	124.155
126+325	124.005	124.145	124.145
126+350	123.998	124.130	124.130
126+375	123.983	124.114	124.114
126+400	124.004	124.099	124.099
126+425	123.971	124.083	124.083
126+450	123.985	124.068	124.068
126+475	123.923	124.052	124.052
126+500	123.929	124.037	124.037
126+525	123.917	124.022	124.022
126+550	123.899	124.006	124.006
126+575	123.860	123.993	123.993
126+600	123.852	123.985	123.985
126+625	123.826	123.983	123.983
126+650	123.827	123.985	123.985
126+675	123.826	123.990	123.990
126+700	123.821	123.995	123.995
126+725	123.780	124.000	124.000
126+750	123.809	124.004	124.004
126+775	123.818	124.009	124.009
126+800	123.845	124.014	124.014
126+825	123.856	124.019	124.019
126+850	123.850	124.024	124.024
126+875	123.849	124.029	124.029
126+900	123.863	124.034	124.034
126+925	123.867	124.038	124.038
126+950	123.850	124.043	124.043
126+975	123.900	124.048	124.048

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

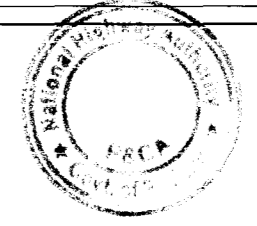
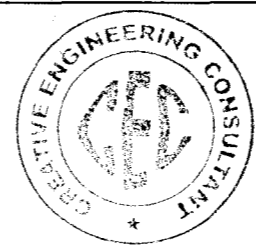
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

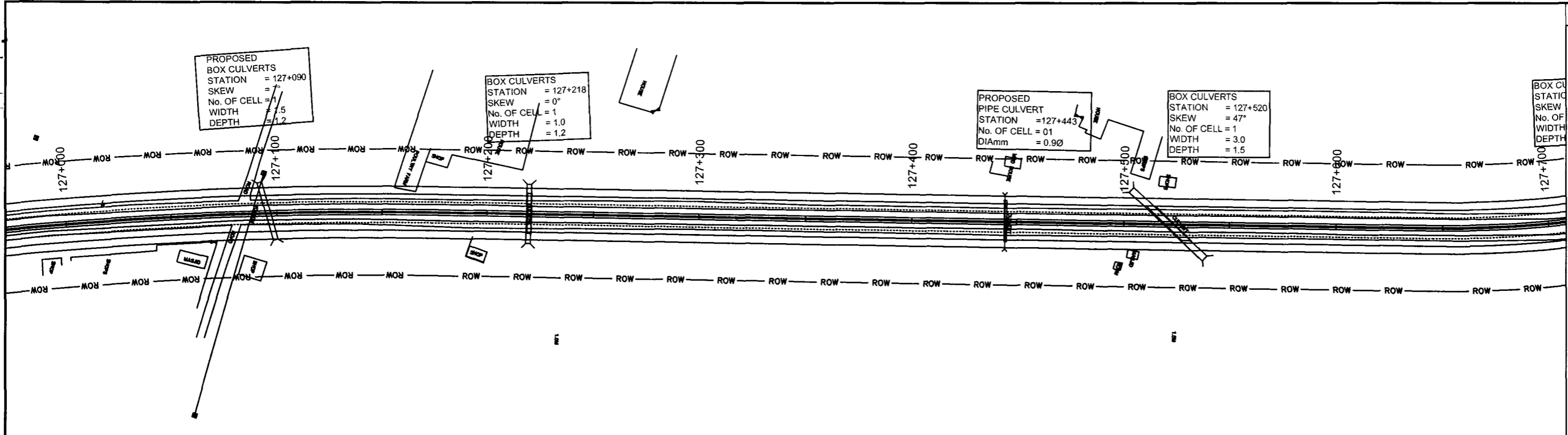
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 126+309.00 - 126+996.00

DESIGN BY:	SHEET NO:
S.M	8 OF 170
DRAWN BY:	SCALE:
S.M	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/013





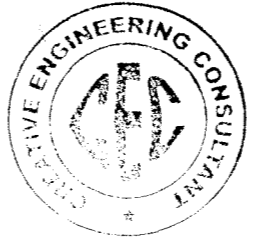
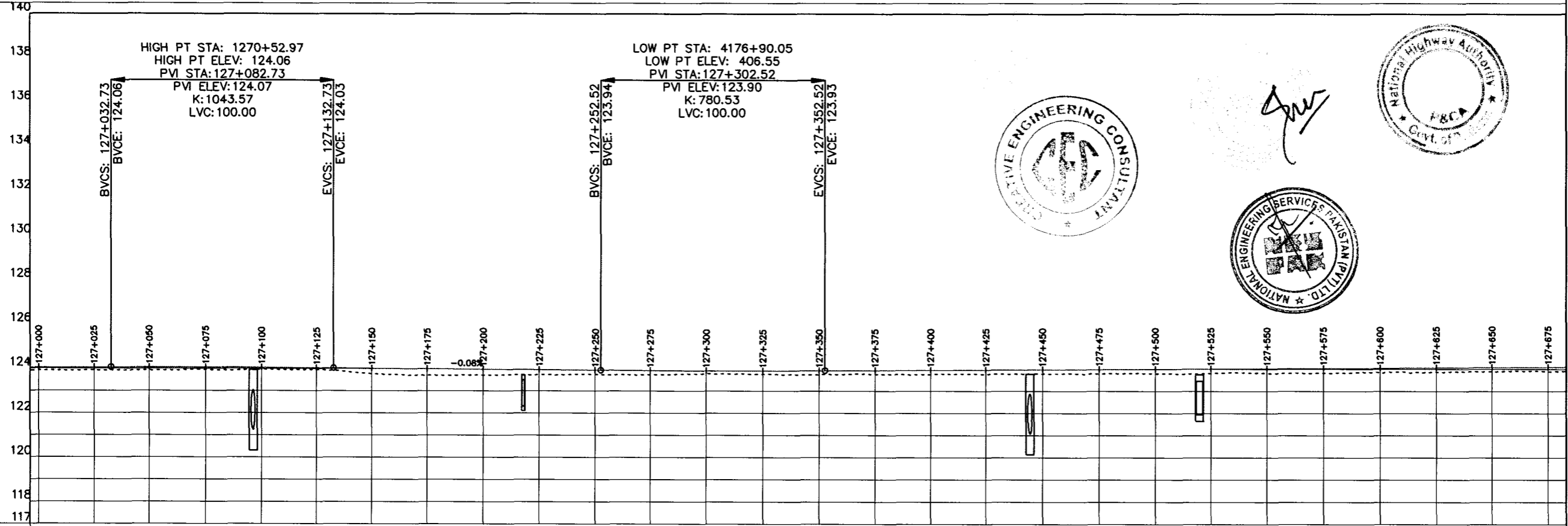
PROPOSED
BOX CULVERTS
STATION = 127+090
SKEW = 0°
No. OF CELL = 1
WIDTH = 1.5
DEPTH = 1.2

BOX CULVERTS
STATION = 127+218
SKEW = 0°
No. OF CELL = 1
WIDTH = 1.0
DEPTH = 1.2

PROPOSED
PIPE CULVERT
STATION = 127+443
No. OF CELL = 01
DI A mm = 0.9Ø

BOX CULVERTS
STATION = 127+520
SKEW = 47°
No. OF CELL = 1
WIDTH = 3.0
DEPTH = 1.5

BOX CULVERTS
STATION = 127+520
SKEW = 47°
No. OF CELL = 1
WIDTH = 3.0
DEPTH = 1.5



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NHA NATIONAL HIGHWAYS
AUTHORITY (NHA)

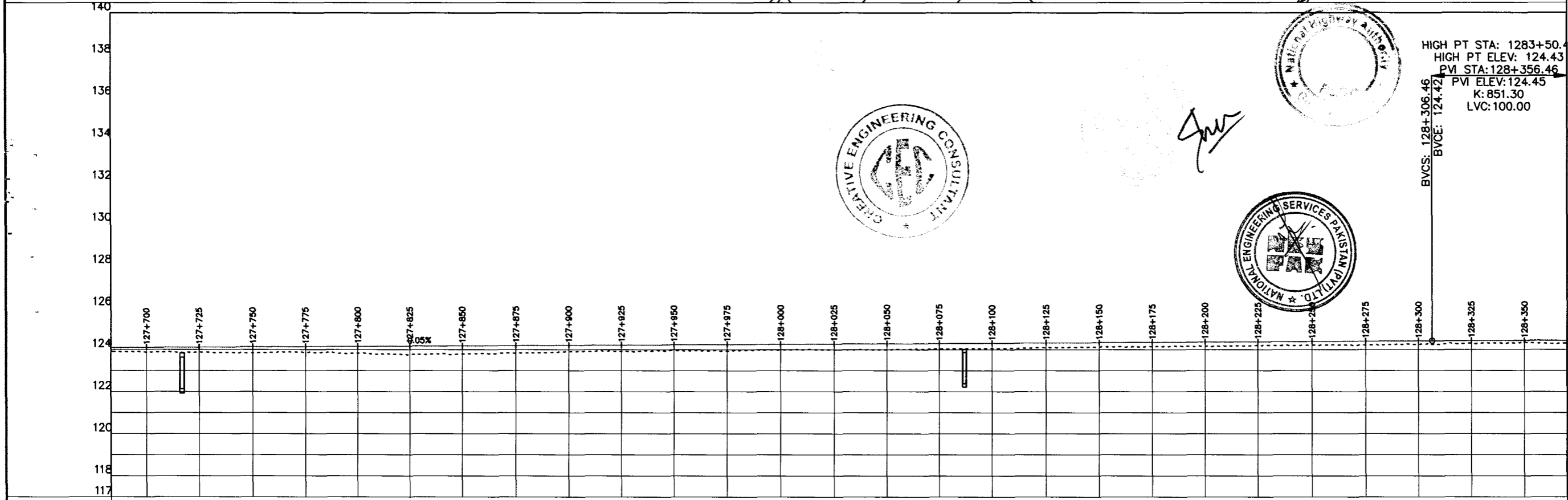
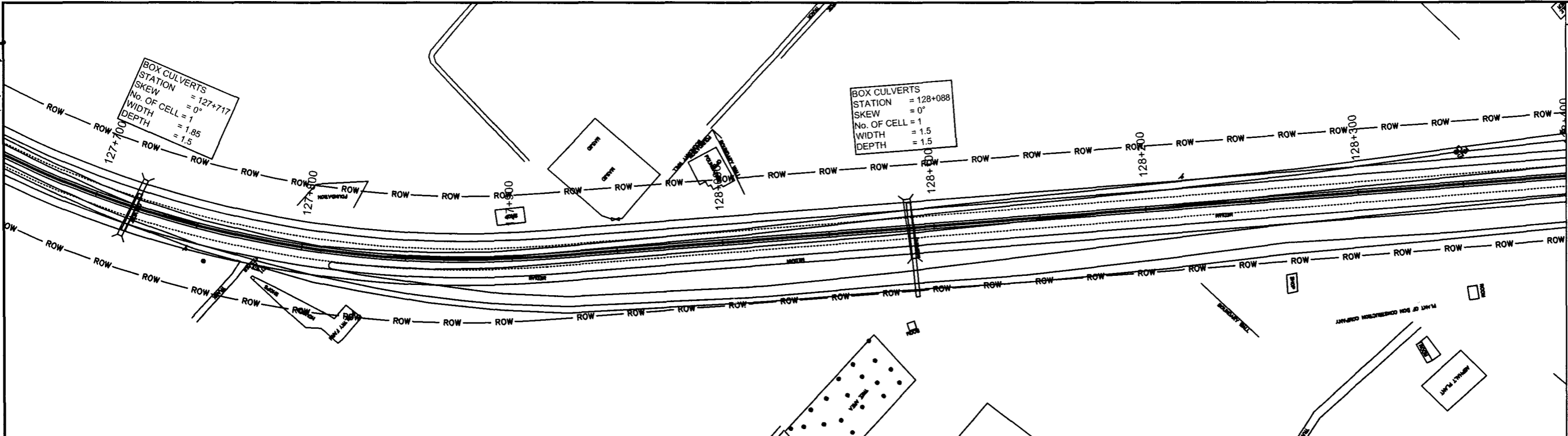
- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CC CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE
PLAN & PROFILE
126+996.00 - 127+683.00

DESIGN BY: S.M.	SHEET NO: 9 OF 170
DRAWN BY: S.M.	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S.	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013

HCD	L=427.07m R=1750.00m		L=471.21m		L=271.33m R=500.00m																							
VCD	Grade (-0.08%) Tangent Length (119.79) Chainage (127+252.52) Elevation (123.94)																											
P.G.L	127+000	127+025	127+050	127+075	127+100	127+125	127+150	127+175	127+200	127+225	127+250	127+275	127+300	127+325	127+350	127+375	127+400	127+425	127+450	127+475	127+500	127+525	127+550	127+575	127+600	127+625	127+650	127+675
N.S.L	124.086	123.916	123.926	123.947	123.963	123.940	123.774	123.691	123.705	123.727	123.941	123.925	123.917	123.918	123.926	123.938	123.951	123.964	123.977	123.990	124.003	124.016	124.029	124.042	124.055	124.068	124.081	124.094
CH	127+000	127+025	127+050	127+075	127+100	127+125	127+150	127+175	127+200	127+225	127+250	127+275	127+300	127+325	127+350	127+375	127+400	127+425	127+450	127+475	127+500	127+525	127+550	127+575	127+600	127+625	127+650	127+675



HCD	L=271.33m R=500.00m															L=560.58m																																								
VCD	Grade (0.05%) Tangent Length (953.94) Chainage (128+306.46) Elevation (124.42)																																																							
P.G.L	127+685	127+700	127+725	127+750	127+775	127+800	127+825	127+850	127+875	127+900	127+925	127+950	127+975	128+000	128+025	128+050	128+075	128+100	128+125	128+150	128+175	128+200	128+225	128+250	128+275	128+300	128+325	128+350	124.098	124.106	124.119	124.132	124.145	124.158	124.171	124.184	124.197	124.210	124.223	124.236	124.249	124.262	124.274	124.287	124.300	124.313	124.326	124.339	124.352	124.365	124.378	124.391	124.404	124.417	124.428	124.431
N.S.L	123.997	123.874	123.866	123.839	123.860	123.830	123.777	123.786	123.832	123.904	123.911	123.959	123.926	123.978	123.992	123.996	124.041	124.063	124.101	124.126	124.163	124.132	124.195	124.207	124.212	124.228	124.304	124.351	124.998	124.874	124.866	124.839	124.860	124.830	124.777	124.786	124.832	124.904	124.911	124.959	124.926	124.978	124.992	124.996	125.041	125.063	125.101	125.126	125.163	125.132	125.195	125.207	125.212	125.228	125.304	125.351
CH	127+685	127+700	127+725	127+750	127+775	127+800	127+825	127+850	127+875	127+900	127+925	127+950	127+975	128+000	128+025	128+050	128+075	128+100	128+125	128+150	128+175	128+200	128+225	128+250	128+275	128+300	128+325	128+350	127+685	127+700	127+725	127+750	127+775	127+800	127+825	127+850	127+875	127+900	127+925	127+950	127+975	128+000	128+025	128+050	128+075	128+100	128+125	128+150	128+175	128+200	128+225	128+250	128+275	128+300	128+325	128+350

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

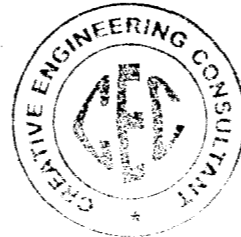
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

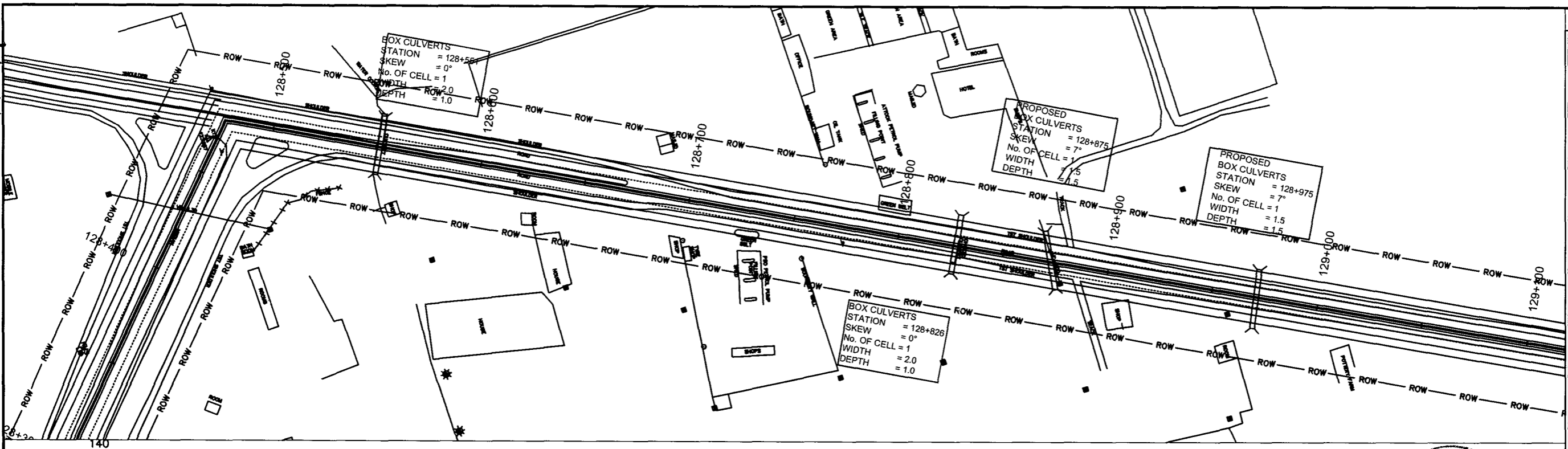
- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMANT CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
127+683.00 - 128+370.00

DESIGN BY: S.M	SHEET NO: 10 OF 170
DRAWN BY: S.M	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

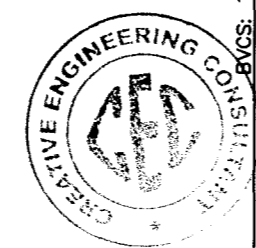
CAD FILE NAME:
CAREC/T-III/TD/013



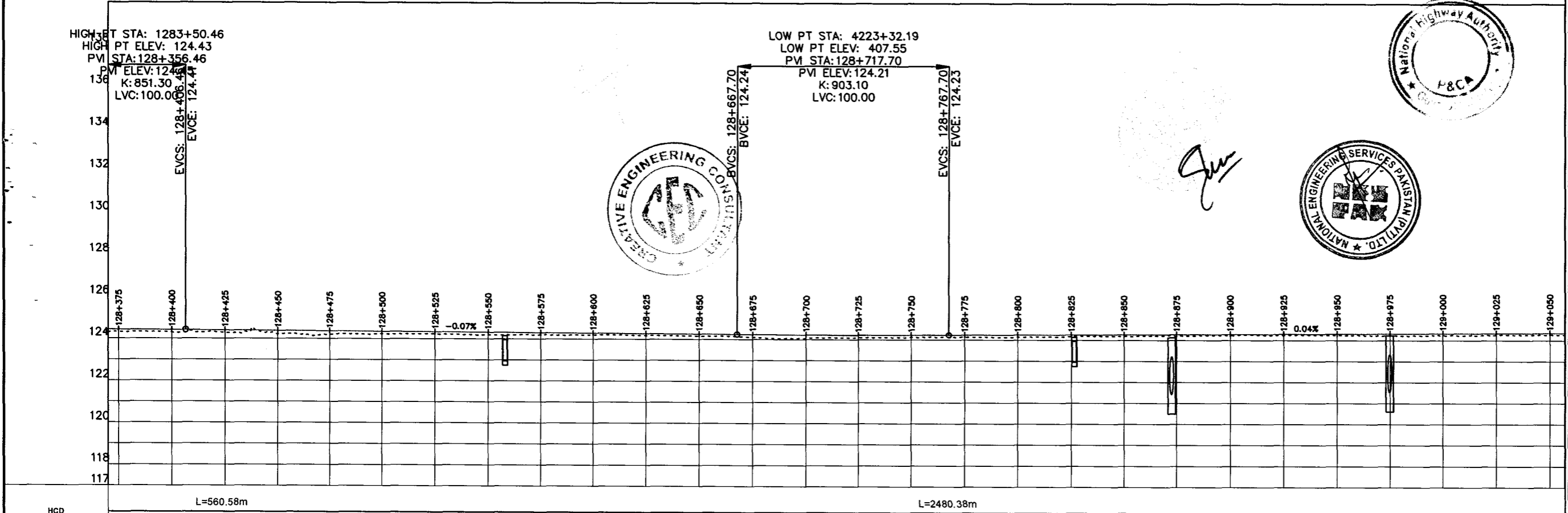


HIGH PT STA: 1283+50.46
 HIGH PT ELEV: 124.43
 PVI STA: 128+356.46
 PVI ELEV: 124.44
 K: 851.30
 LVC: 100.00

LOW PT STA: 4223+32.19
 LOW PT ELEV: 407.55
 PVI STA: 128+717.70
 PVI ELEV: 124.21
 K: 903.10
 LVC: 100.00



Signature



L=560.58m

L=2480.38m

Grade (-0.07%)
 Tangent Length (261.24)
 Chainage (128+667.70)
 Elevation (124.24)

Grade (0.04%)
 Tangent Length (335.53)
 Chainage (129+103.23)
 Elevation (124.38)

Station	P.G.L	N.S.L	CH
128+375	124.428	124.303	124.375
128+400	124.417	124.293	124.400
128+425	124.401	124.285	124.425
128+450	124.384	124.204	124.450
128+475	124.368	124.187	124.475
128+500	124.351	124.221	124.500
128+525	124.335	124.223	124.525
128+550	124.318	124.180	124.550
128+575	124.302	124.200	124.575
128+600	124.286	124.197	124.600
128+625	124.269	124.177	124.625
128+650	124.253	124.153	124.650
128+675	124.237	124.098	124.675
128+700	124.226	124.066	124.700
128+725	124.222	124.089	124.725
128+750	124.224	124.110	124.750
128+775	124.234	124.126	124.775
128+800	124.245	124.139	124.800
128+825	124.256	124.179	124.825
128+850	124.268	124.199	124.850
128+875	124.279	124.206	124.875
128+900	124.290	124.245	124.900
128+925	124.301	124.245	124.925
128+950	124.313	124.247	124.950
128+975	124.324	124.225	124.975
129+000	124.335	124.219	129.000
129+025	124.346	124.261	129.025
129+050	124.358	124.280	129.050

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

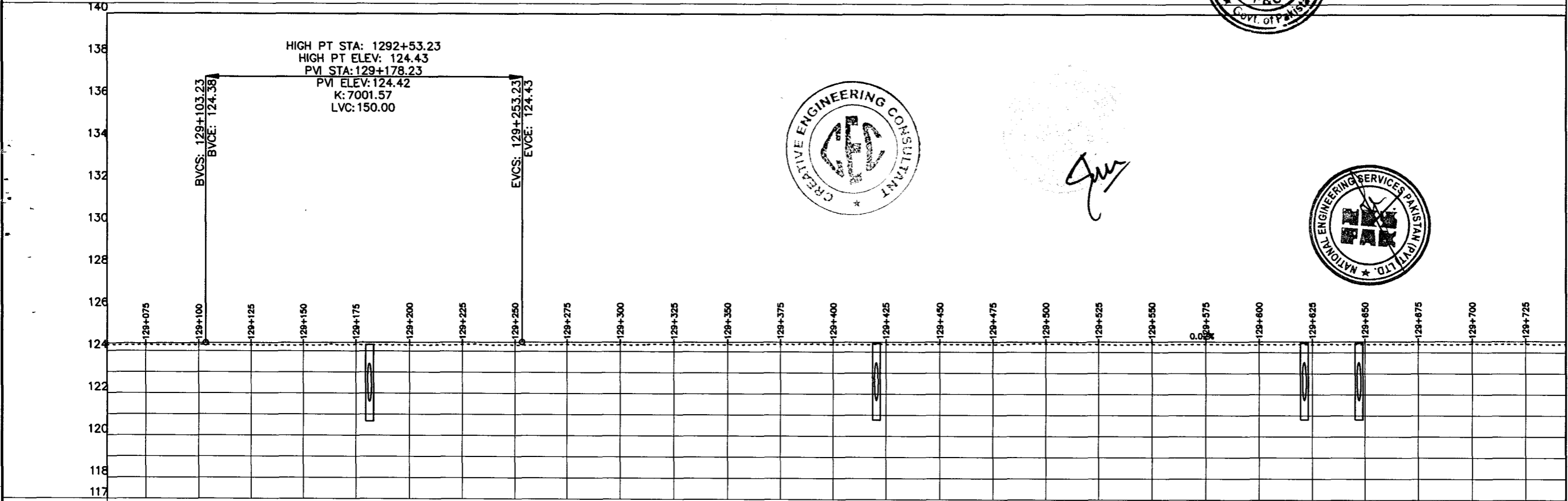
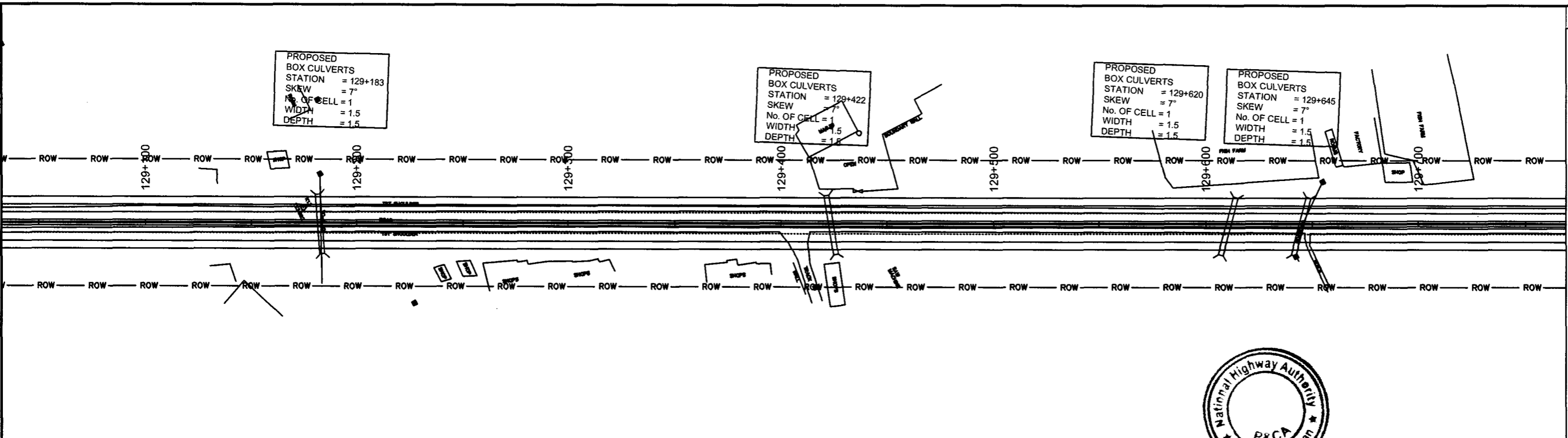
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

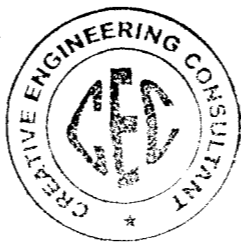
DRAWING TITLE:
 PLAN & PROFILE
 128+370.00 - 129+057.00

DESIGN BY:	SHEET NO:
S.M	11 OF 170
DRAWN BY:	SCALE:
S.M	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/013



Station	HCD	VCD	P.G.L	N.S.L	CH
129+075			124.361	124.273	129+057
129+100			124.369	124.276	129+075
129+125			124.380	124.295	129+100
129+150				124.391	129+125
129+175				124.401	129+150
129+200				124.410	129+175
129+225				124.418	129+200
129+250				124.426	129+225
129+275				124.432	129+250
129+300				124.438	129+275
129+325				124.444	129+300
129+350				124.450	129+325
129+375				124.456	129+350
129+400				124.461	129+375
129+425				124.467	129+400
129+450				124.473	129+425
129+475				124.479	129+450
129+500				124.485	129+475
129+525				124.491	129+500
129+550				124.497	129+525
129+575				124.503	129+550
129+600				124.509	129+575
129+625				124.514	129+600
129+650				124.520	129+625
129+675				124.526	129+650
129+700				124.532	129+675
129+725				124.538	129+700
				124.544	129+725



Signature



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1 (Km 121+500 TO Km 233+200)

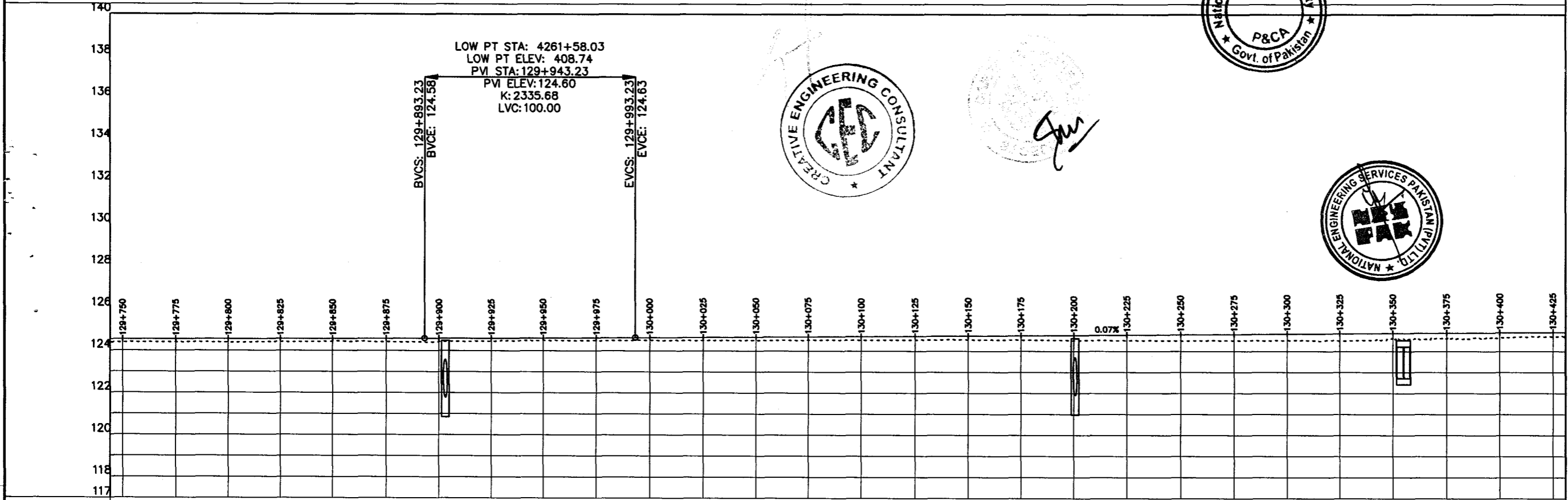
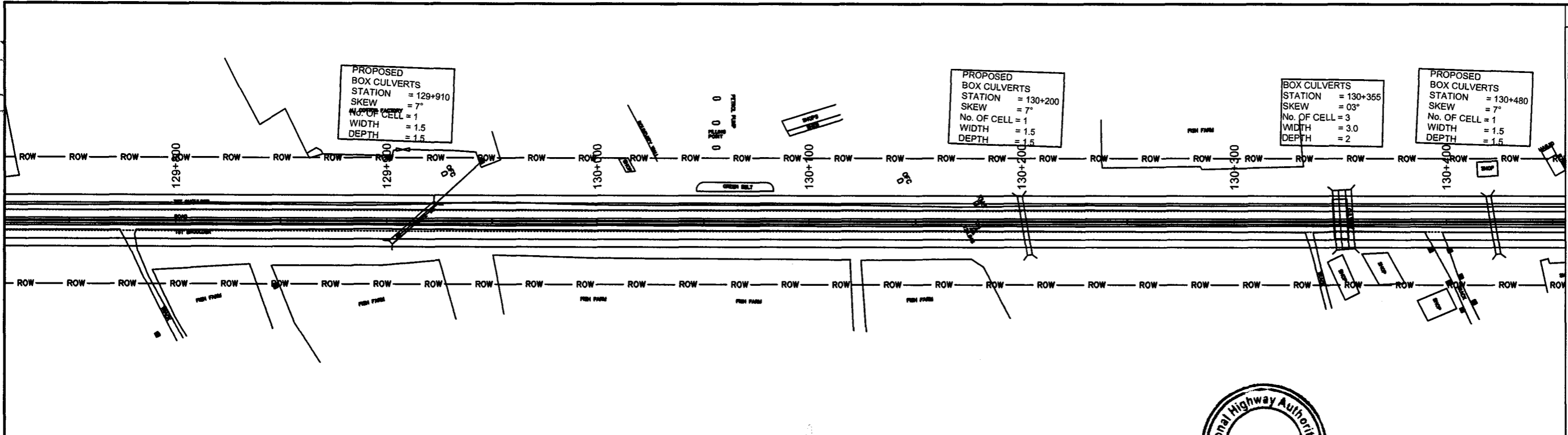
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
129+057.00 - 129+744.00

DESIGN BY: S.M	SHEET NO: 12 OF 155
DRAWN BY: S.M	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013



Station	CH	N.S.L	P.G.L
129+744	124.386	124.548	
129+750	124.373	124.550	
129+775	124.391	124.556	
129+800	124.384	124.561	
129+825	124.411	124.567	
129+850	124.440	124.573	
129+875	124.416	124.579	
129+900	124.416	124.585	
129+925	124.449	124.593	
129+950	124.497	124.604	
129+975	124.477	124.617	
130+000	124.493	124.633	
130+025	124.498	124.649	
130+050	124.503	124.666	
130+075	124.520	124.683	
130+100	124.512	124.699	
130+125	124.534	124.716	
130+150	124.561	124.732	
130+175	124.535	124.749	
130+200	124.503	124.765	
130+225	124.500	124.782	
130+250	124.501	124.799	
130+275	124.498	124.815	
130+300	124.515	124.832	
130+325	124.493	124.848	
130+350	124.573	124.865	
130+375	124.614	124.882	
130+400	124.654	124.898	
130+425	124.708	124.915	

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

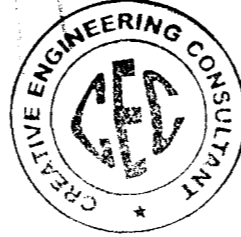
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

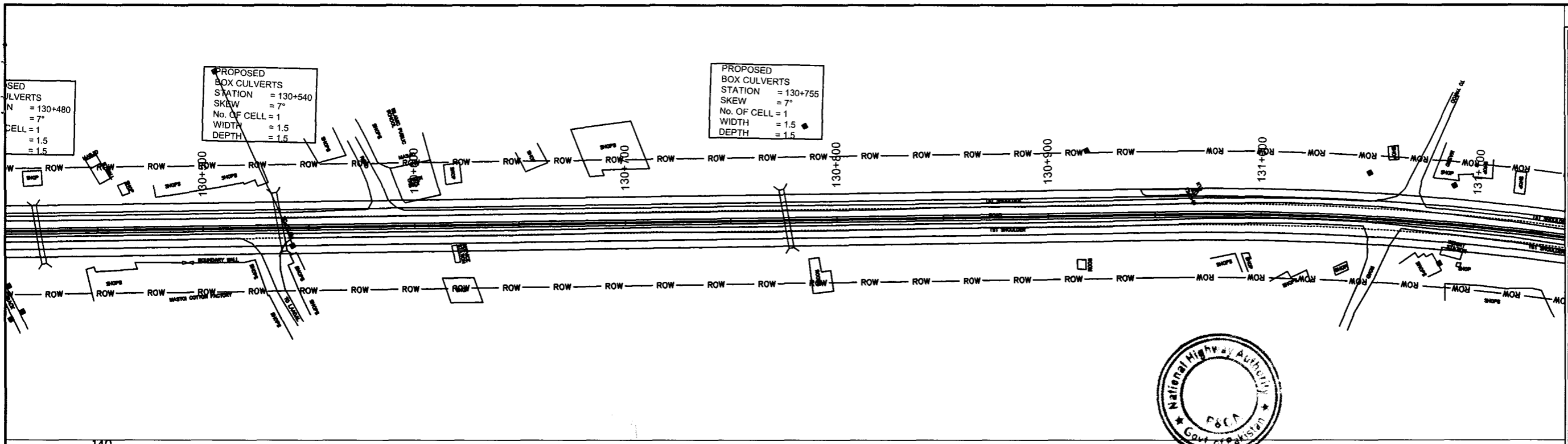
- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
129+744.00 - 130+431.00

DESIGN BY: S.M	SHEET NO: 13 OF 170
DRAWN BY: S.M	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013

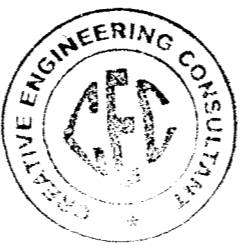
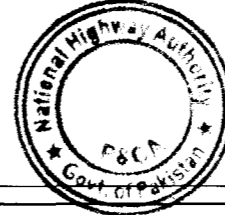




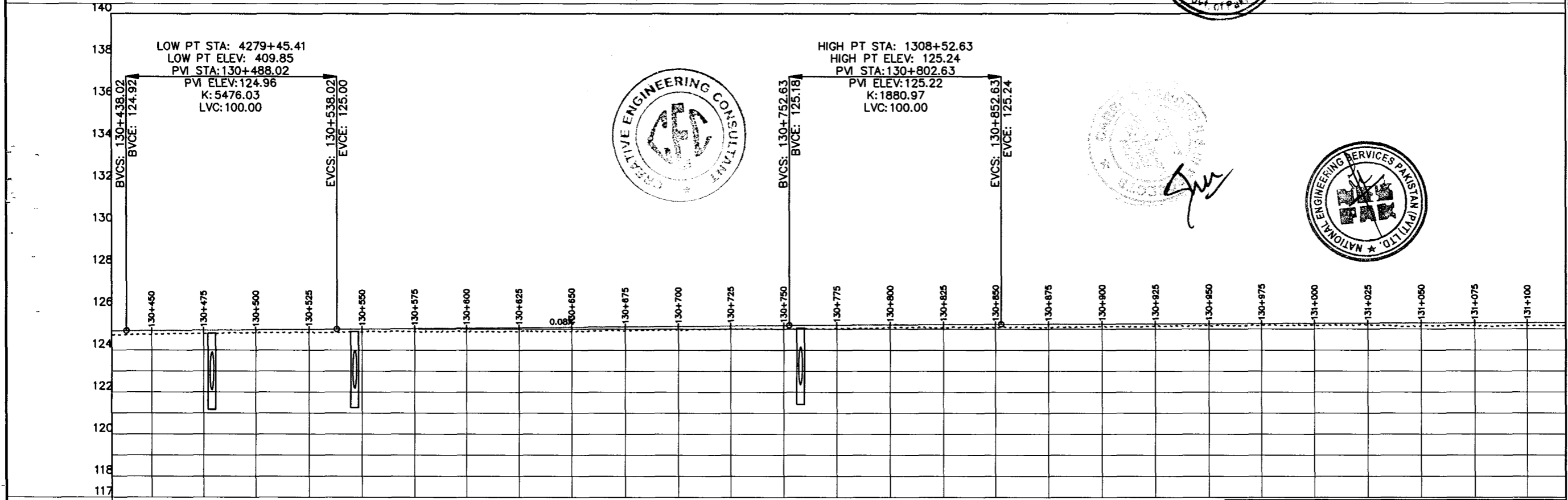
NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
	TENDER DRAWINGS	



[Handwritten Signature]



PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 To Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

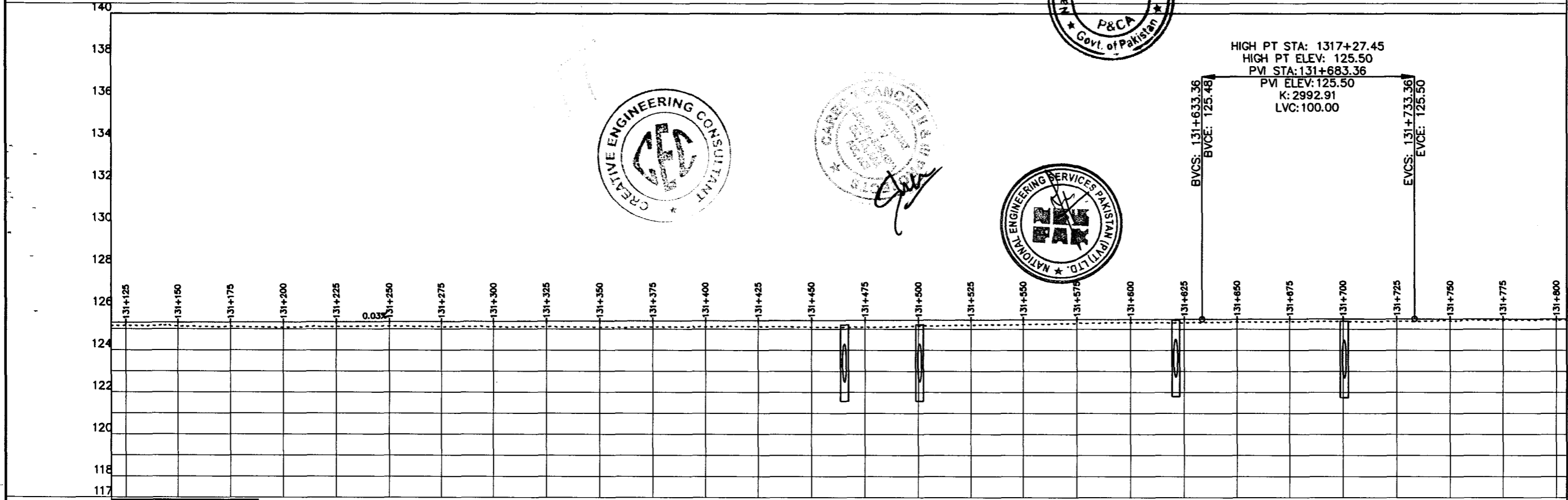
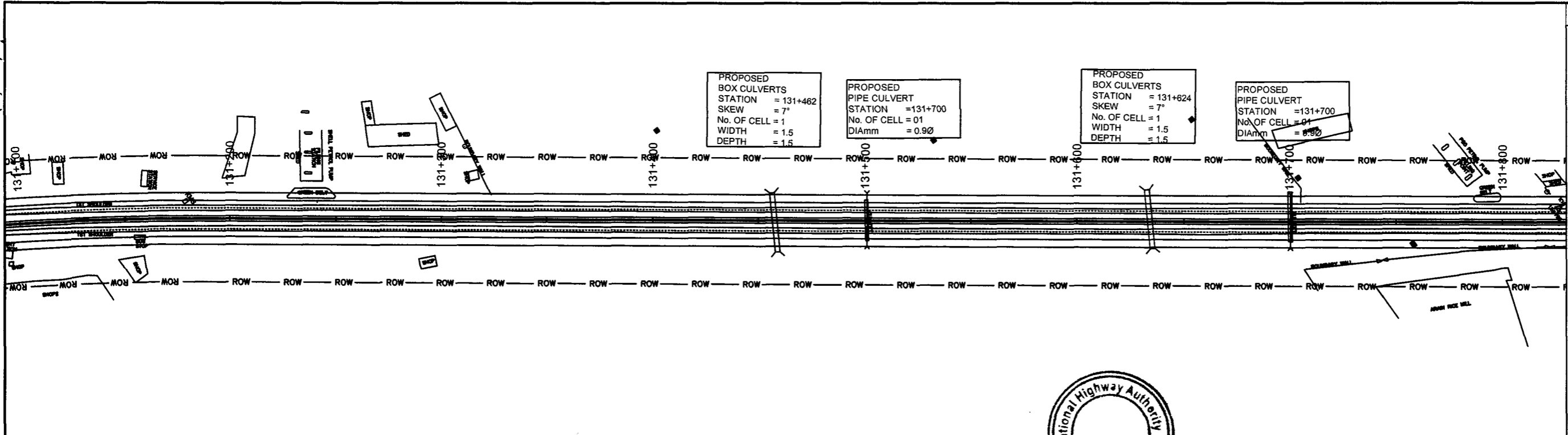
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

Station	CH	N.S.L	P.G.L	VCD	HCD
130+431	124.712	124.712	124.919		
130+450	124.747	124.747	124.931		
130+475	124.784	124.784	124.949		
130+500	124.829	124.829	124.968		
130+525	124.835	124.835	124.988		
130+550	124.862	124.862	125.009		
130+575	124.883	124.883	125.030		
130+600	124.895	124.895	125.051		
130+625	124.877	124.877	125.072		
130+650	124.908	124.908	125.094		
130+675	124.923	124.923	125.115		
130+700	124.948	124.948	125.136		
130+725	125.028	125.028	125.157		
130+750	125.007	125.007	125.178		
130+775	125.048	125.048	125.198		
130+800	125.074	125.074	125.215		
130+825	125.103	125.103	125.228		
130+850	125.102	125.102	125.238		
130+875	125.086	125.086	125.245		
130+900	125.126	125.126	125.253		
130+925	125.130	125.130	125.261		
130+950	125.157	125.157	125.269		
130+975	125.173	125.173	125.277		
131+000	125.165	125.165	125.285		
131+025	125.198	125.198	125.293		
131+050	125.149	125.149	125.301		
131+075	125.162	125.162	125.308		
131+100	125.167	125.167	125.316		

DRAWING TITLE:
PLAN & PROFILE
130+431.00 - 131+118.00

DESIGN BY: S.M
SHEET NO: 14 OF 170
DRAWN BY: S.M
SCALE: H = 1:2000, V = 1:100
CHECKED BY: A.S
DATE: APRIL, 2024
APPROVED BY: **REVISION:**

CAD FILE NAME:
CAREC/T-III/TD/013



Station	CH	N.S.L	P.G.L	VCD	HCD
131+118	125.157	125.157	125.322		
131+125	125.160	125.160	125.324		
131+150	125.138	125.138	125.332		
131+175	125.123	125.123	125.340		
131+200	125.083	125.083	125.348		
131+225	125.125	125.125	125.356		
131+250	125.135	125.135	125.363		
131+275	125.116	125.116	125.371		
131+300	125.121	125.121	125.379		
131+325	125.104	125.104	125.387		
131+350	125.098	125.098	125.395		
131+375	125.108	125.108	125.403		
131+400	125.110	125.110	125.411		
131+425	125.124	125.124	125.418		
131+450	125.092	125.092	125.426		
131+475	125.101	125.101	125.434		
131+500	125.149	125.149	125.442		
131+525	125.191	125.191	125.450		
131+550	125.231	125.231	125.458		
131+575	125.280	125.280	125.466		
131+600	125.322	125.322	125.473		
131+625	125.314	125.314	125.481		
131+650	125.347	125.347	125.489		
131+675	125.370	125.370	125.494		
131+700	125.385	125.385	125.497		
131+725	125.384	125.384	125.499		
131+750	125.391	125.391	125.498		
131+775	125.437	125.437	125.498		
131+800	125.437	125.437	125.497		

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
	TENDER DRAWINGS	

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

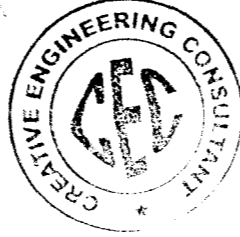
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

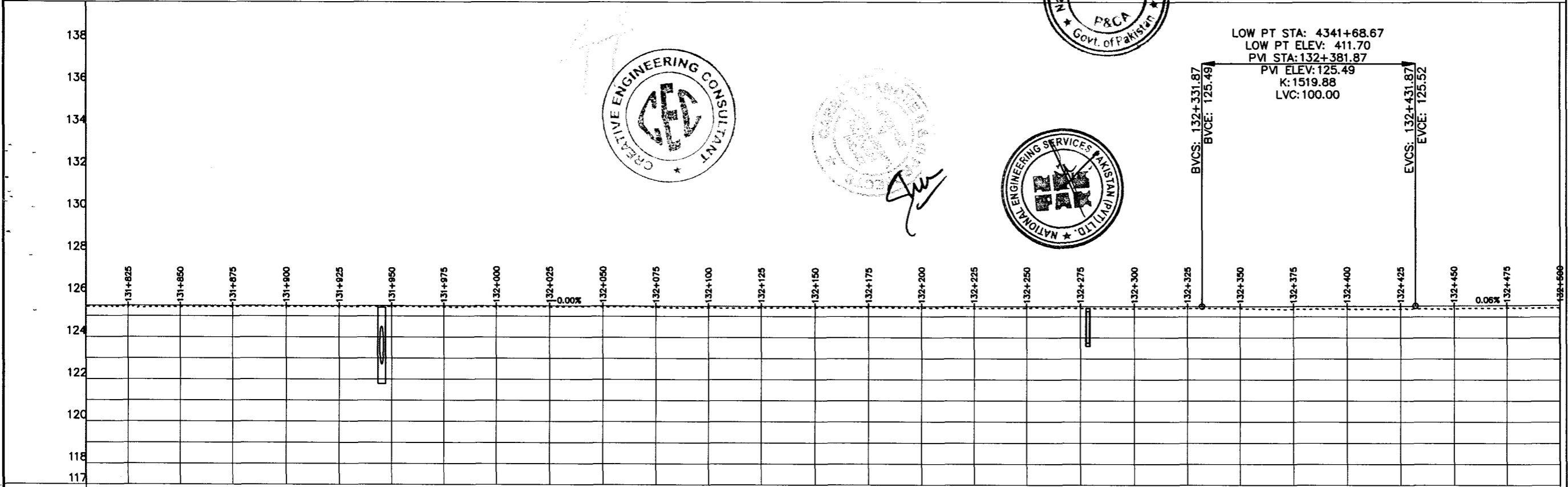
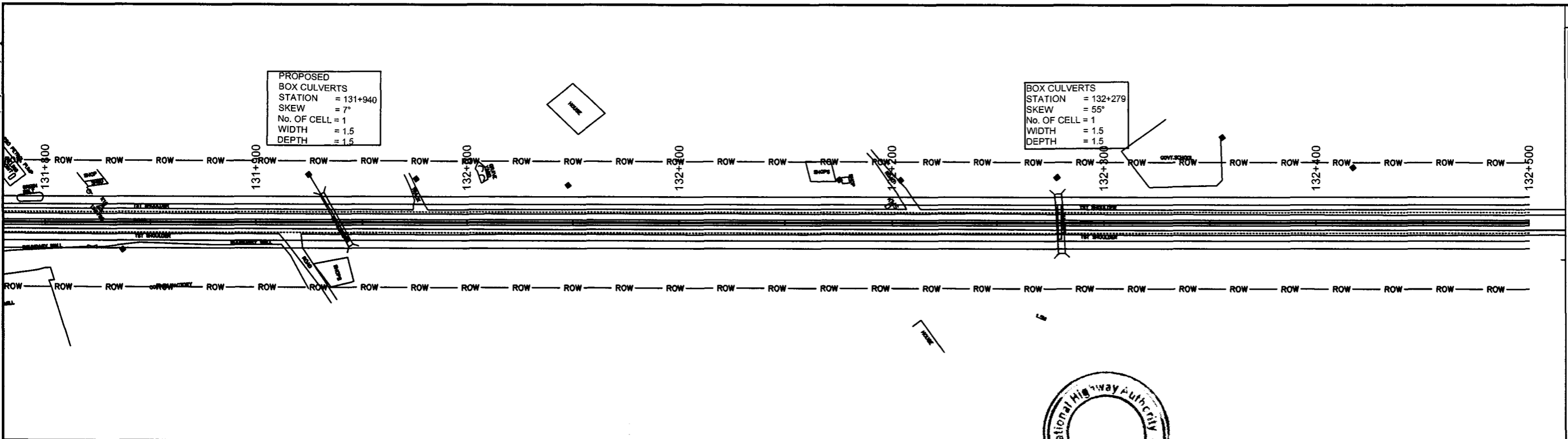
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
131+118.00 - 131+805.00

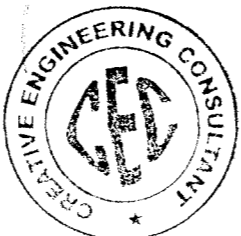
DESIGN BY: S.M	SHEET NO: 15 OF 170
DRAWN BY: S.M	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013





Station	HCD	VCD	P.G.L.	N.S.L.	E
131+825			125.497	125.442	125.497
131+850			125.497	125.433	125.496
131+875			125.496	125.435	125.496
131+900			125.495	125.443	125.495
131+925			125.495	125.445	125.495
131+950			125.494	125.451	125.494
131+975			125.494	125.426	125.494
132+000			125.493	125.426	125.493
132+025			125.493	125.433	125.493
132+050			125.492	125.449	125.492
132+075			125.492	125.425	125.492
132+100			125.491	125.402	125.491
132+125			125.491	125.410	125.491
132+150			125.490	125.413	125.490
132+175			125.490	125.424	125.490
132+200			125.489	125.404	125.489
132+225			125.489	125.389	125.489
132+250			125.488	125.403	125.488
132+275			125.488	125.401	125.488
132+300			125.487	125.379	125.487
132+325			125.487	125.399	125.487
132+350			125.488	125.391	125.488
132+375			125.492	125.353	125.492
132+400			125.501	125.366	125.501
132+425			125.514	125.368	125.514
132+450			125.529	125.377	125.529
132+475			125.545	125.416	125.545
132+500			125.561	125.429	125.561



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1 (Km 121+500 TO Km 233+200)

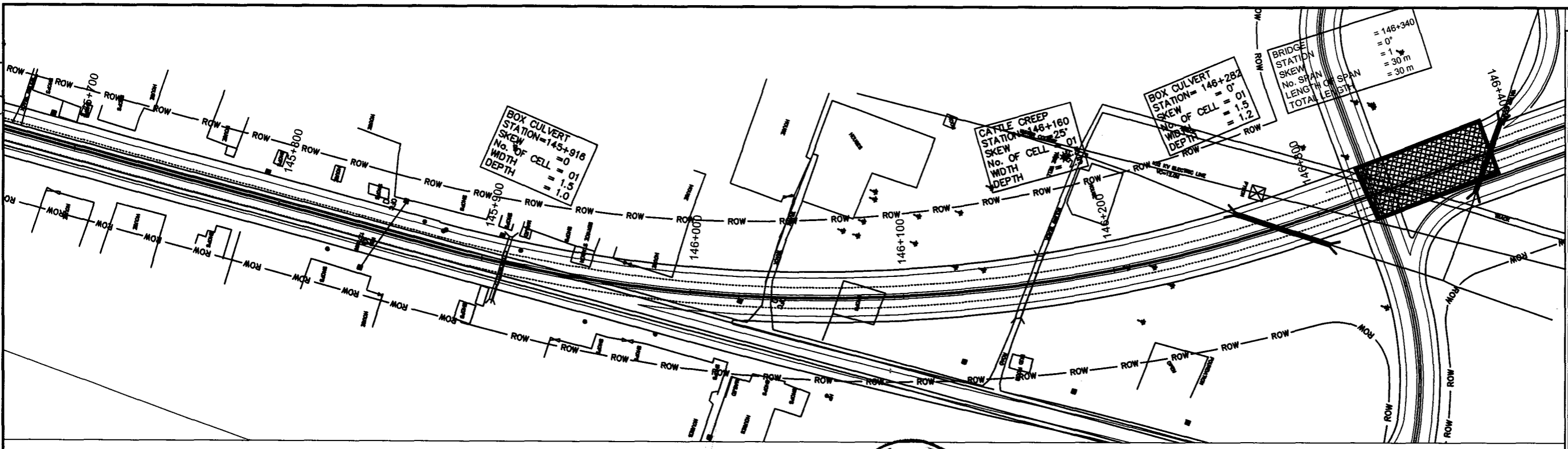
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
131+805.00 - 132+492.00

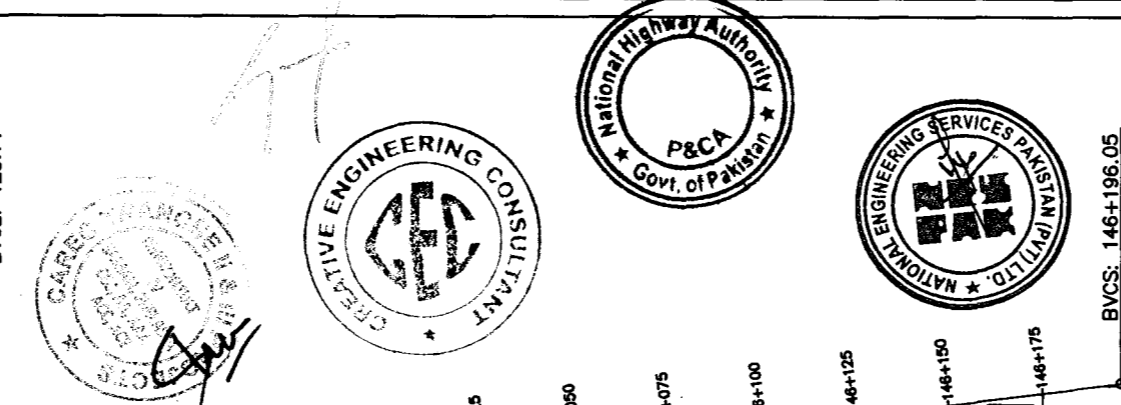
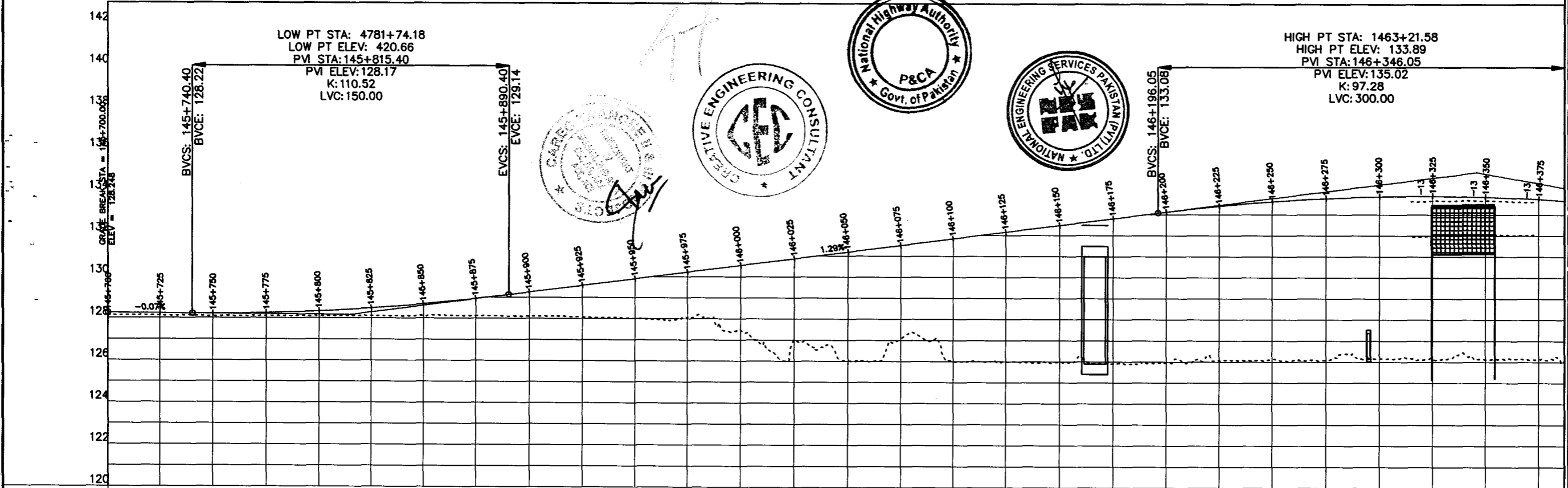
DESIGN BY: S.M	SHEET NO: 16 OF 170
DRAWN BY: S.M	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/013



NOTES
 1: ALL DIMENSIONS AND ARE IN METERS.

LEGEND

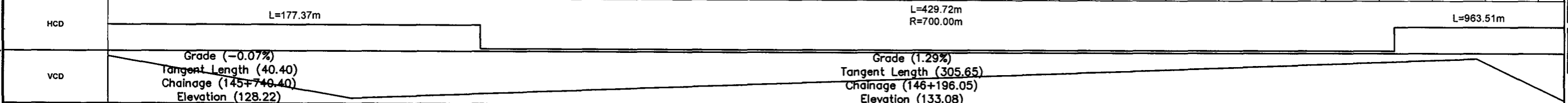


TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

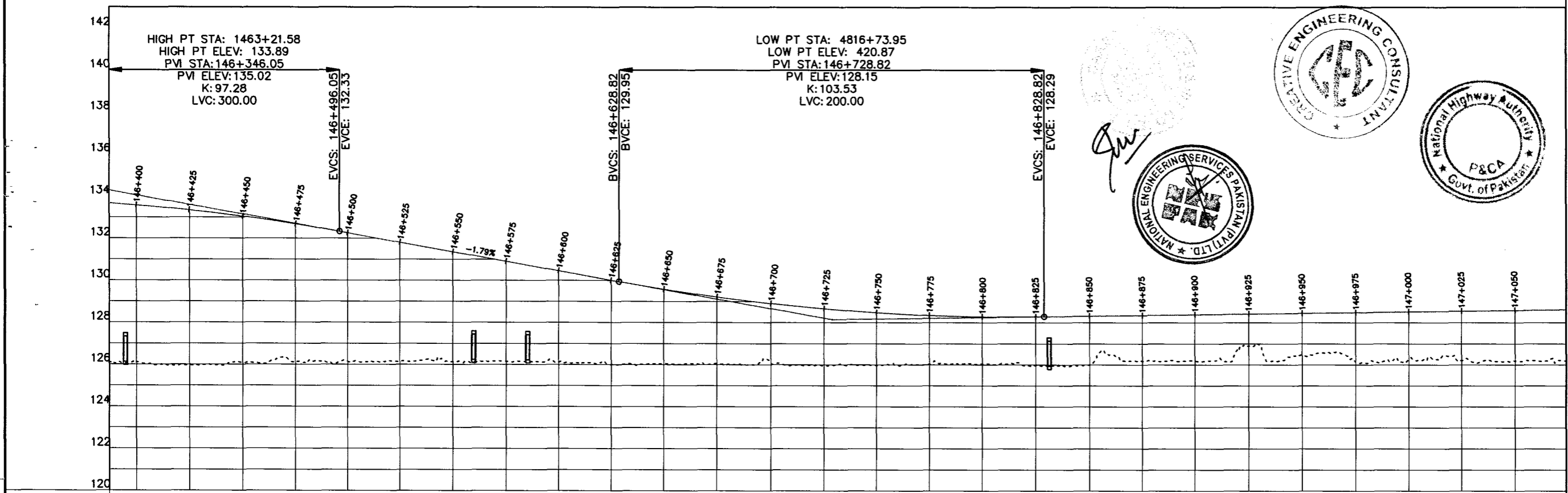
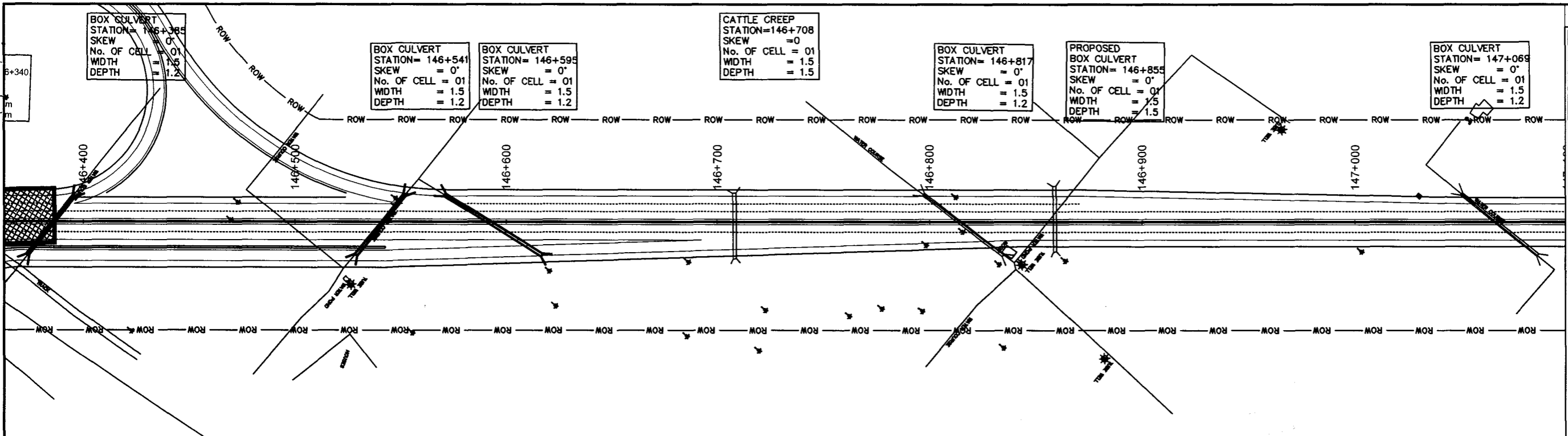
- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC



DRAWING TITLE:
 PLAN & PROFILE
 145+700.00 - 146+387.00

P.G.L	145+700	145+725	145+750	145+775	145+800	145+825	145+850	145+875	145+900	145+925	145+950	145+975	146+000	146+025	146+050	146+075	146+100	146+125	146+150	146+175	146+200	146+225	146+250	146+275	146+300	146+325	146+350	146+375
	128.246	128.231	128.219	128.252	128.342	128.488	128.691	128.951	129.263	129.585	129.908	130.230	130.553	130.876	131.198	131.521	131.844	132.166	132.489	132.811	133.133	133.413	133.630	133.781	133.869	133.892	133.851	133.746
N.S.L	128.117	128.108	128.099	128.108	128.112	128.114	128.155	128.124	128.105	128.076	128.007	128.068	127.472	127.004	126.035	127.080	126.013	125.978	125.975	125.912	125.943	126.073	126.117	126.080	126.163	126.124	126.121	126.138
CH	145+700	145+725	145+750	145+775	145+800	145+825	145+850	145+875	145+900	145+925	145+950	145+975	146+000	146+025	146+050	146+075	146+100	146+125	146+150	146+175	146+200	146+225	146+250	146+275	146+300	146+325	146+350	146+375

DESIGN BY: A.S	SHEET NO: 37 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:
CAD FILE NAME: CAREC/T-III/TD/015	



HCD	L=963.51m																											
VCD	Grade (-1.79%) Tangent Length (132.77) Chainage (146+628.82) Elevation (129.95)																											
P.G.L	146+387	146+400	146+425	146+450	146+475	146+500	146+525	146+550	146+575	146+600	146+625	146+650	146+675	146+700	146+725	146+750	146+775	146+800	146+825	146+850	146+875	146+900	146+925	146+950	146+975	147+000	147+025	147+050
N.S.L	126.689	126.114	125.973	126.065	126.126	126.143	126.125	126.126	126.138	126.114	126.003	126.048	126.049	126.098	125.939	125.966	126.039	126.047	125.987	126.007	126.169	126.178	126.896	126.458	126.104	126.269	126.208	126.563
CH	133.673	133.577	133.343	133.045	132.683	132.257	131.809	131.361	130.912	130.464	130.015	129.589	129.222	128.915	128.669	128.483	128.357	128.292	128.287	128.321	128.355	128.390	128.424	128.459	128.494	128.528	128.563	128.597

NOTES
1. ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
146+387.00 - 147+074.00

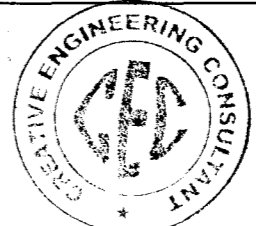
DESIGN BY: A.S. **SHEET NO:** 38 of 170

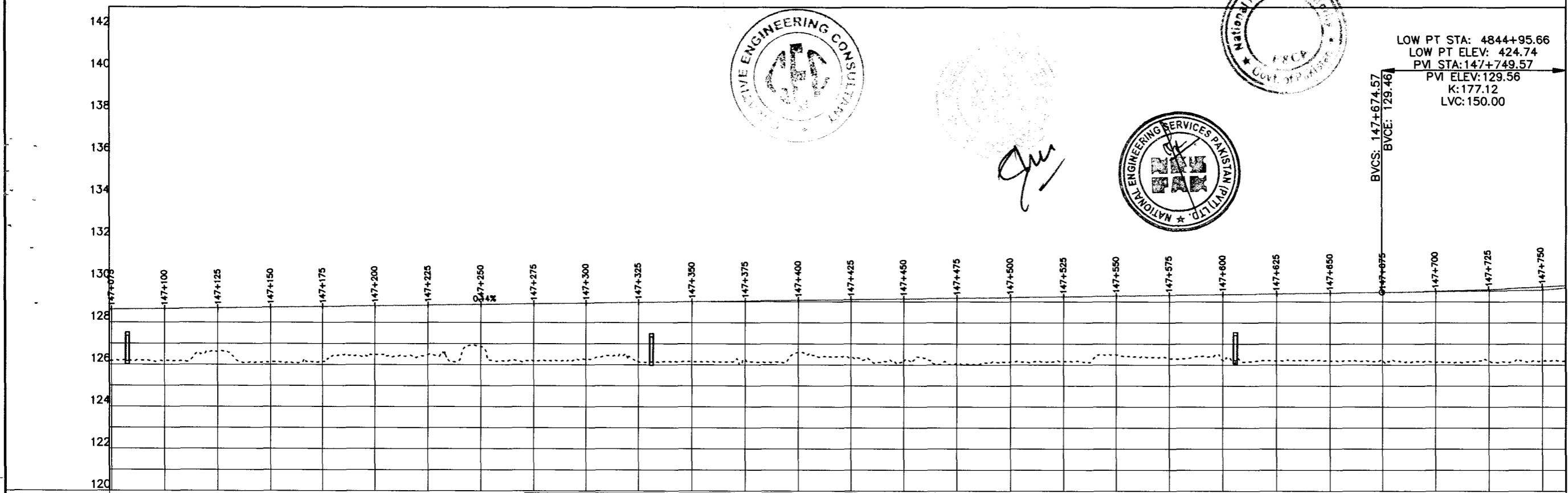
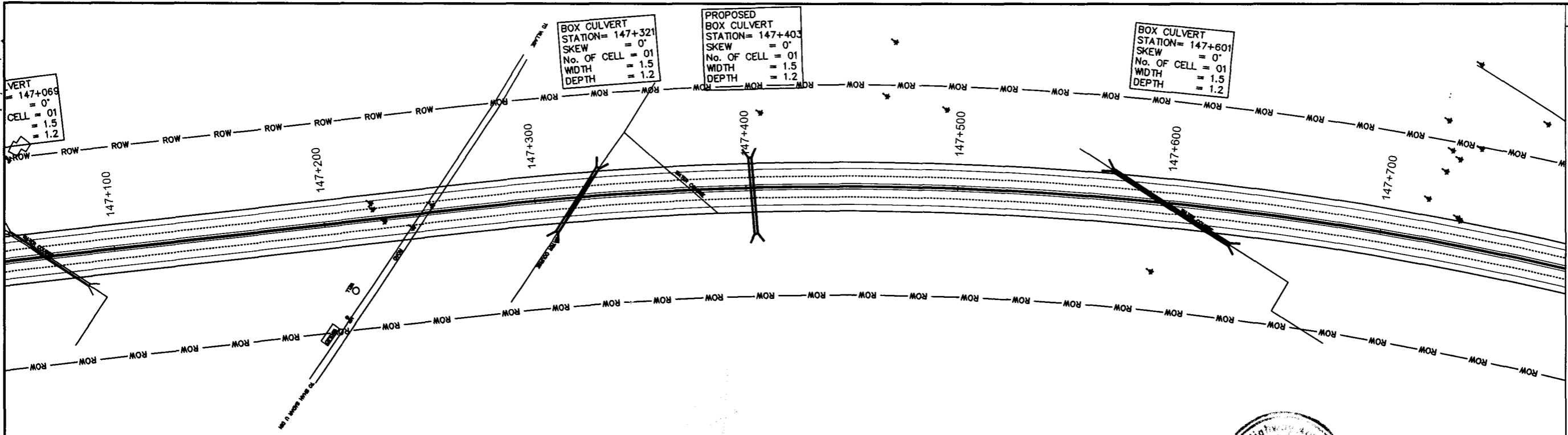
DRAWN BY: S.A. **SCALE:** H = 1:2000, V = 1:100

CHECKED BY: A.S. **DATE:** APRIL, 2024

APPROVED BY: **REVISION:**

CAD FILE NAME:
CAREC/T-III/TD/015





Station	HCD	VCD	P.G.L	N.S.L	CH
147+075			128.652	126.194	126.194
147+100			128.666	126.167	126.167
147+125			128.701	126.614	126.614
147+150			128.735	126.125	126.125
147+175			128.770	126.143	126.143
147+200			128.804	126.478	126.478
147+225			128.839	126.473	126.473
147+250			128.873	126.844	126.844
147+275			128.908	126.164	126.164
147+300			128.943	126.267	126.267
147+325			128.977	126.147	126.147
147+350			129.012	126.145	126.145
147+375			129.046	126.241	126.241
147+400			129.081	126.573	126.573
147+425			129.115	126.333	126.333
147+450			129.150	126.100	126.100
147+475			129.184	126.072	126.072
147+500			129.219	126.136	126.136
147+525			129.253	126.160	126.160
147+550			129.288	126.485	126.485
147+575			129.323	126.323	126.323
147+600			129.357	126.224	126.224
147+625			129.392	126.180	126.180
147+650			129.426	126.211	126.211
147+675			129.461	126.202	126.202
147+700			129.513	126.131	126.131
147+725			129.602	126.197	126.197
147+750			129.725	126.182	126.182

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

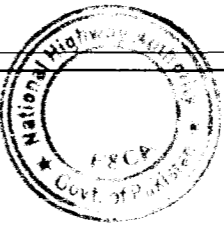
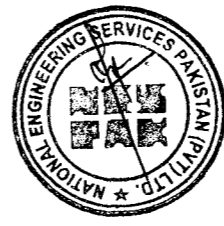
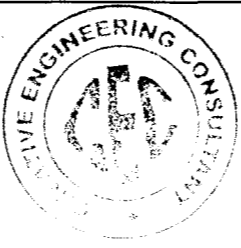
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

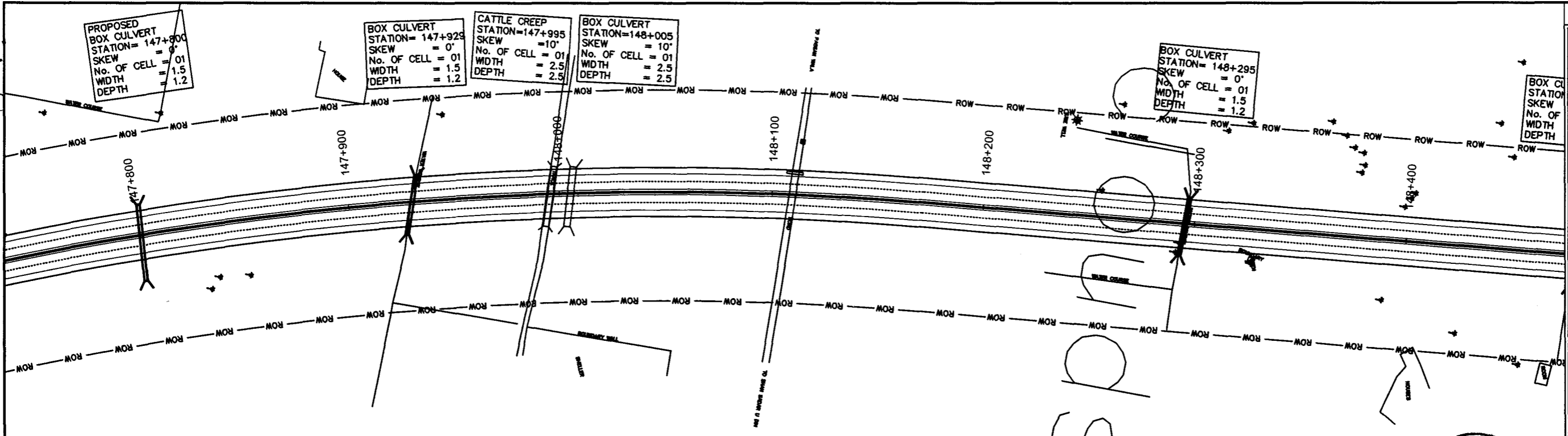
CONSULTANTS:
MINCONSULT SDN BHD
In Joint Venture With
Saman Corporation
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
147+074.00 - 147+761.00

DESIGN BY: A.S	SHEET NO: 39 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

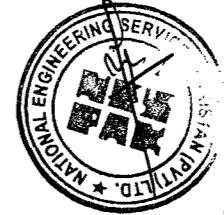
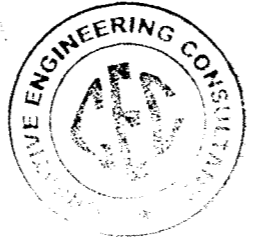
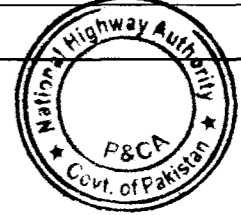
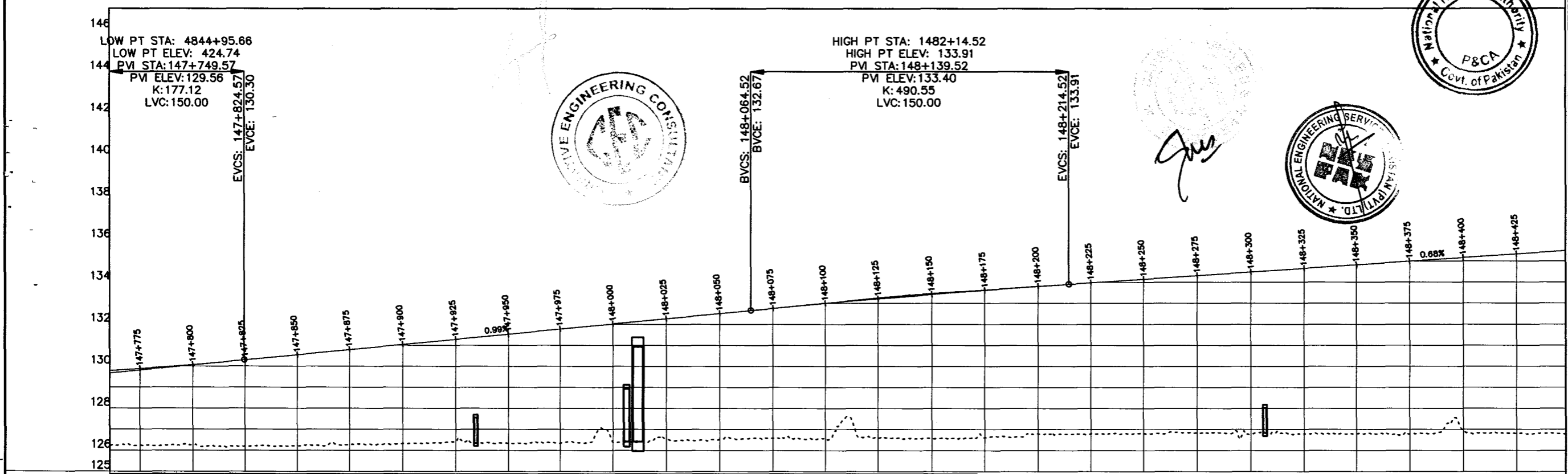
CAD FILE NAME:
CAREC/T-III/TD/015





NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Station	HCD	VCD	P.G.L	N.S.L	CH
147+761			129.790	126.214	147+761
147+775			129.884	126.233	147+775
147+800			130.078	126.255	147+800
147+825			130.307	126.200	147+825
147+850			130.553	126.206	147+850
147+875			130.799	126.257	147+875
147+900			131.046	126.325	147+900
147+925			131.292	126.426	147+925
147+950			131.538	126.334	147+950
147+975			131.784	126.344	147+975
148+000			132.031	126.392	148+000
148+025			132.277	126.560	148+025
148+050			132.523	126.529	148+050
148+075			132.768	126.581	148+075
148+100			133.003	126.539	148+100
148+125			133.225	126.597	148+125
148+150			133.434	126.570	148+150
148+175			133.630	126.625	148+175
148+200			133.814	126.795	148+200
148+225			133.986	126.804	148+225
148+250			134.155	126.791	148+250
148+275			134.325	126.845	148+275
148+300			134.495	126.769	148+300
148+325			134.665	126.805	148+325
148+350			134.835	126.792	148+350
148+375			135.004	126.787	148+375
148+400			135.174	126.902	148+400
148+425			135.344	126.809	148+425

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

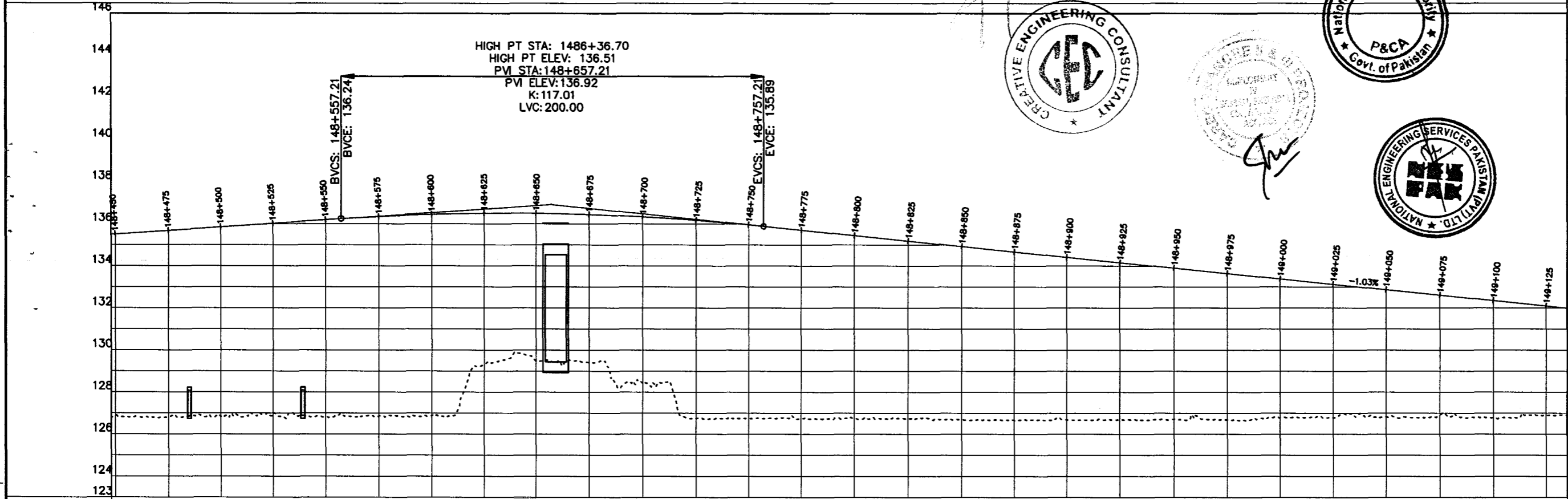
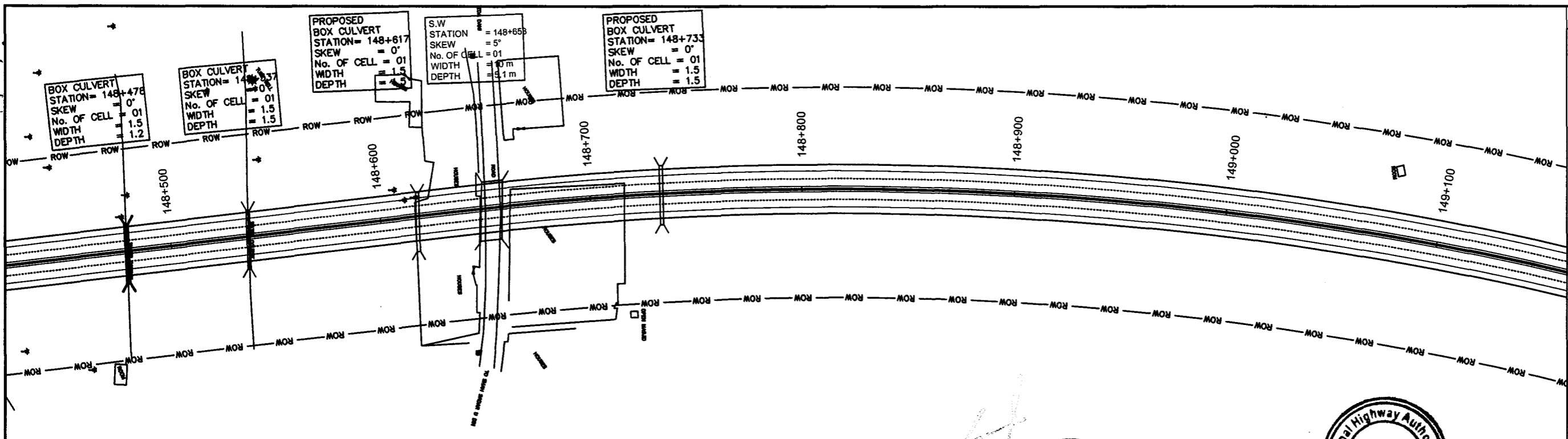
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
147+761.00 - 148+448.00

DESIGN BY: A.S	SHEET NO: 40 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/1D/015



HCD	L=464.39m															L=752.84m R=1500.00m																																								
VCD	Grade (-1.03%) Tangent Length (563.88) Chainage (149+321.10) Elevation (130.08)																																																							
P.G.L	148+475	148+500	148+525	148+550	148+575	148+600	148+625	148+650	148+675	148+700	148+725	148+750	148+775	148+800	148+825	148+850	148+875	148+900	148+925	148+950	148+975	149+000	149+025	149+050	149+075	149+100	149+125	148+475	148+500	148+525	148+550	148+575	148+600	148+625	148+650	148+675	148+700	148+725	148+750	148+775	148+800	148+825	148+850	148+875	148+900	148+925	148+950	148+975	149+000	149+025	149+050	149+075	149+100	149+125		
N.S.L	126.809	126.822	126.851	126.802	126.851	126.891	129.343	129.458	129.396	128.400	126.745	126.751	126.743	126.740	126.742	126.711	126.669	126.686	126.687	126.717	126.680	126.777	126.787	126.826	126.911	126.788	126.895	126.881	135.599	135.684	135.854	136.023	136.193	136.349	136.455	136.506	136.505	136.449	136.341	136.179	135.964	135.708	135.451	135.193	134.936	134.678	134.421	134.163	133.906	133.648	133.391	133.133	132.876	132.618	132.361	132.103
CH	148+475	148+500	148+525	148+550	148+575	148+600	148+625	148+650	148+675	148+700	148+725	148+750	148+775	148+800	148+825	148+850	148+875	148+900	148+925	148+950	148+975	149+000	149+025	149+050	149+075	149+100	149+125	148+475	148+500	148+525	148+550	148+575	148+600	148+625	148+650	148+675	148+700	148+725	148+750	148+775	148+800	148+825	148+850	148+875	148+900	148+925	148+950	148+975	149+000	149+025	149+050	149+075	149+100	149+125		

NOTES
1.- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

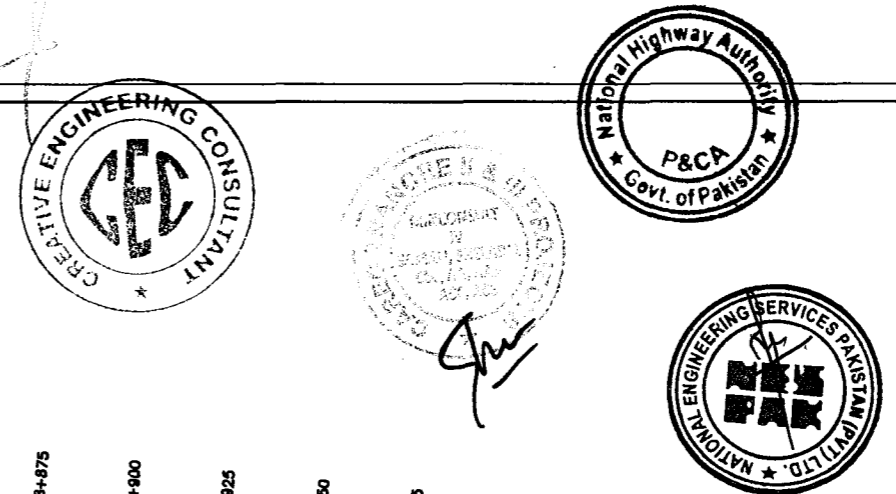
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
148+448.00 - 149+135.00

DESIGN BY: A.S	SHEET NO: 41 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/015

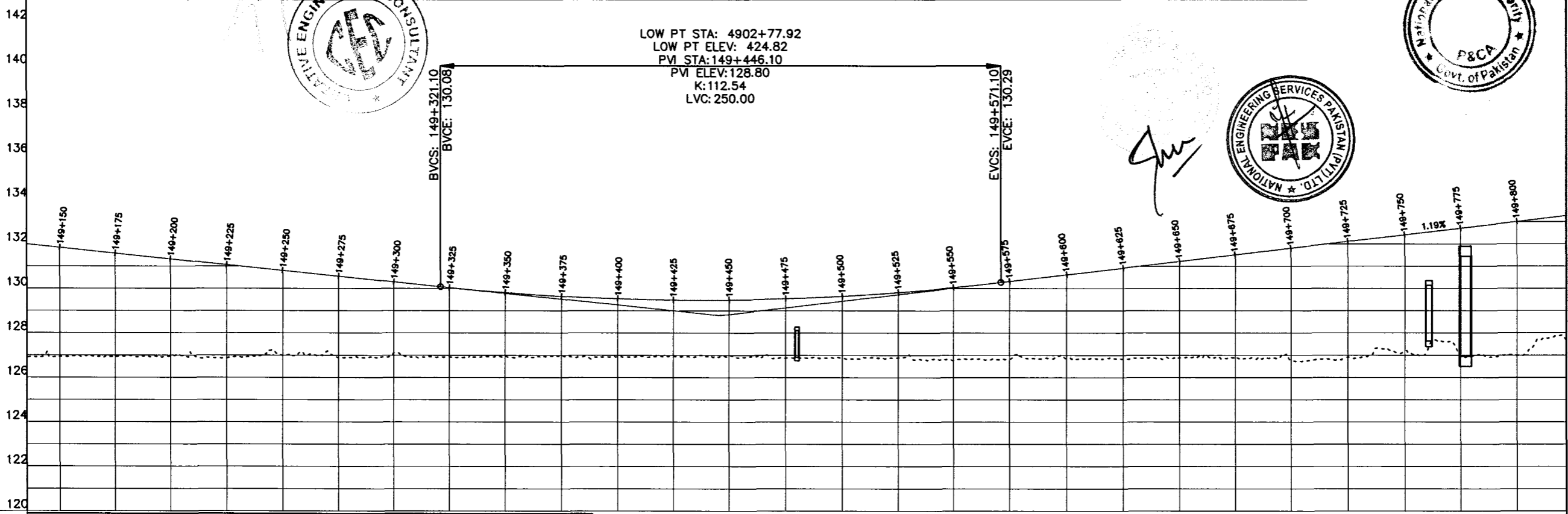
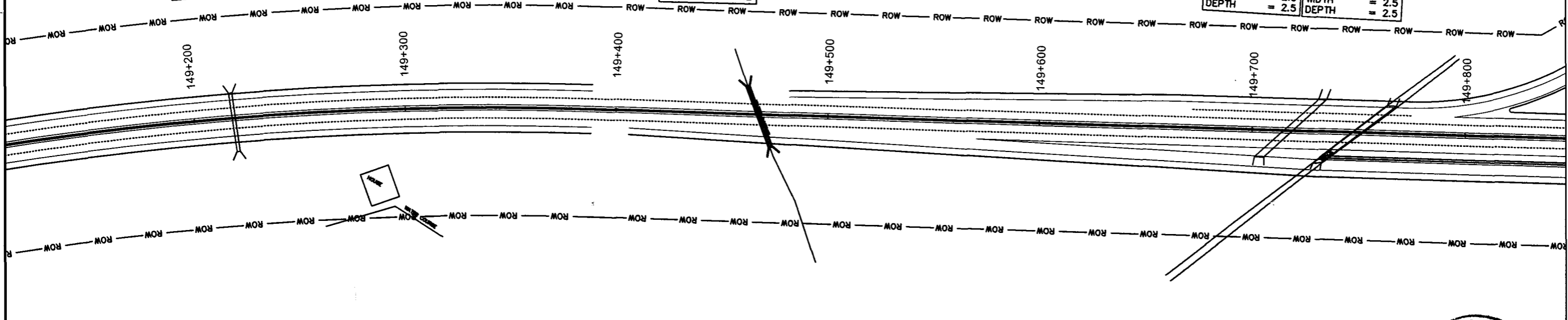


PROPOSED
BOX CULVERT
STATION= 149+218
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5

BOX CULVERT
STATION= 149+467
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.2

BOX CULVERT
STATION=149+718
SKEW = 50°
No. OF CELL = 01
WIDTH = 2.5
DEPTH = 2.5

CATTLE CREEP
STATION=149+747
SKEW = 50°
No. OF CELL = 01
WIDTH = 2.5
DEPTH = 2.5



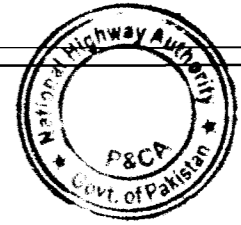
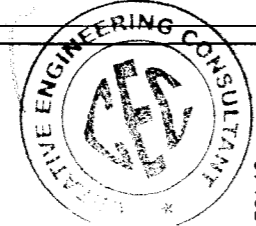
LOW PT STA: 4902+77.92
LOW PT ELEV: 424.82
PVI STA: 149+446.10
PVI ELEV: 128.80
K: 112.54
LVC: 250.00

L=752.84m
R=1500.00m

L=610.69m

Grade (1.19%)
Tangent Length (384.51)
Chainage (149+955.60)
Elevation (134.87)

Station	CH	N.S.L	P.G.L
149+135	126.999	132.000	
149+150	126.943	131.846	
149+175	126.922	131.588	
149+200	126.939	131.331	
149+225	126.884	131.073	
149+250	126.978	130.816	
149+275	126.901	130.558	
149+300	127.101	130.301	
149+325	126.921	130.044	
149+350	126.959	129.823	
149+375	126.948	129.658	
149+400	126.935	129.548	
149+425	126.950	129.493	
149+450	126.978	129.494	
149+475	126.870	129.551	
149+500	126.880	129.663	
149+525	126.892	129.831	
149+550	126.771	130.054	
149+575	126.843	130.332	
149+600	126.859	130.630	
149+625	126.833	130.928	
149+650	126.893	131.226	
149+675	126.884	131.524	
149+700	126.782	131.821	
149+725	126.914	132.119	
149+750	127.179	132.417	
149+775	126.954	132.715	
149+800	126.992	133.013	



NOTES
1. ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

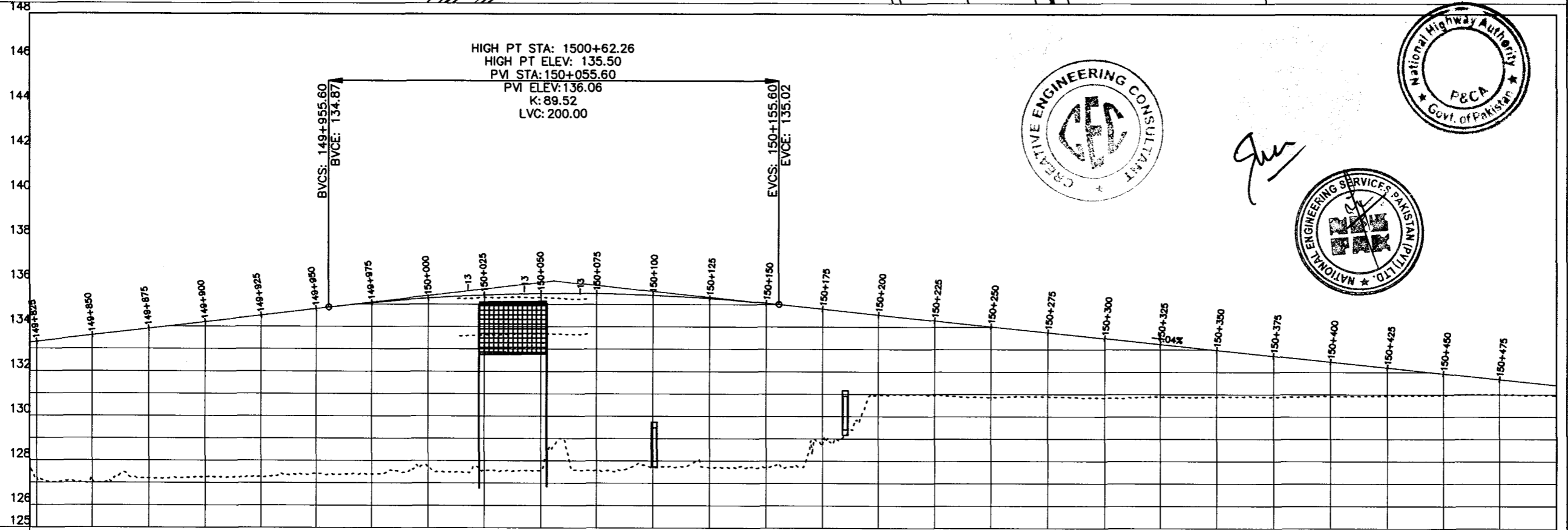
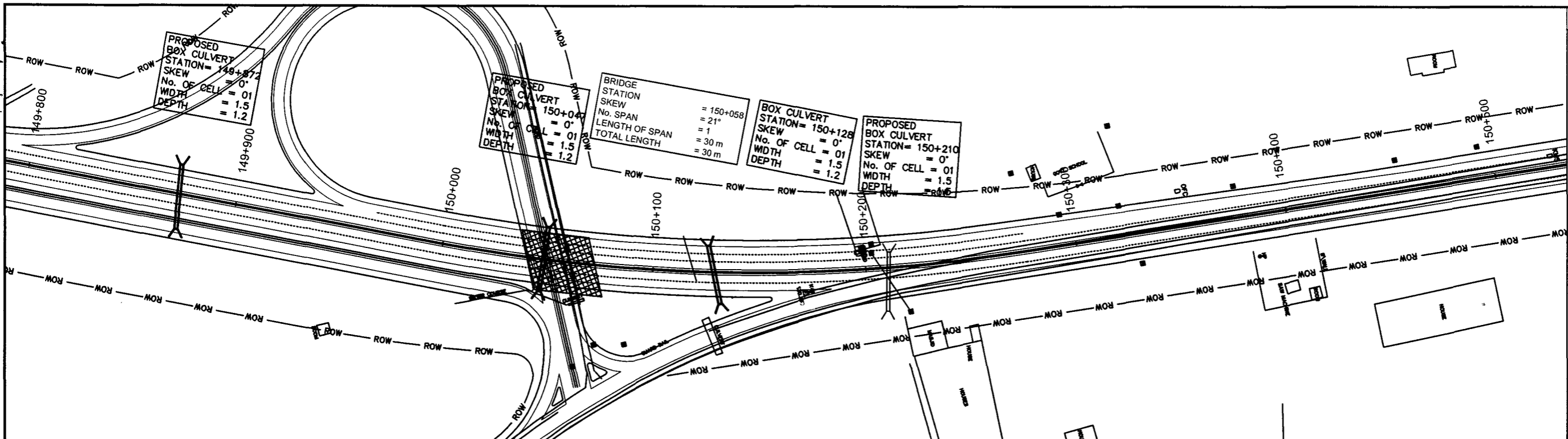
CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
149+135.00 - 149+822.00

DESIGN BY: AS	SHEET NO. 42 of 170
DRAWN BY: SA	SCALE: H = 1:2000 V = 1:100
CHECKED BY: AS	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/015



HCD	L=610.69m															L=276.67m R=800.00m															L=224.06m																									
VCD	Grade (-1.04%) Tangent Length (343.91) Chainage (150+499.51) Elevation (131.43)																																																							
P.G.L	149+825	149+850	149+875	149+900	149+925	149+950	149+975	150+000	150+025	150+050	150+075	150+100	150+125	150+150	150+175	150+200	150+225	150+250	150+275	150+300	150+325	150+350	150+375	150+400	150+425	150+450	150+475	149+825	149+850	149+875	149+900	149+925	149+950	149+975	150+000	150+025	150+050	150+075	150+100	150+125	150+150	150+175	150+200	150+225	150+250	150+275	150+300	150+325	150+350	150+375	150+400	150+425	150+450	150+475		
N.S.L	127.519	127.125	127.210	127.253	127.243	127.396	127.398	127.671	127.579	127.570	127.571	127.678	127.682	127.704	128.700	130.940	130.940	130.855	130.888	130.836	130.888	130.890	130.889	130.889	130.900	130.939	130.975	131.002	131.685	133.317	133.609	133.907	134.204	134.502	134.800	135.077	135.286	135.425	135.494	135.493	135.423	135.282	135.072	134.813	134.553	134.292	134.031	133.771	133.510	133.249	132.989	132.728	132.467	132.207	131.946	131.685
CH	149+825	149+850	149+875	149+900	149+925	149+950	149+975	150+000	150+025	150+050	150+075	150+100	150+125	150+150	150+175	150+200	150+225	150+250	150+275	150+300	150+325	150+350	150+375	150+400	150+425	150+450	150+475	149+825	149+850	149+875	149+900	149+925	149+950	149+975	150+000	150+025	150+050	150+075	150+100	150+125	150+150	150+175	150+200	150+225	150+250	150+275	150+300	150+325	150+350	150+375	150+400	150+425	150+450	150+475		

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1 (Km 121+500 TO Km 233+200)

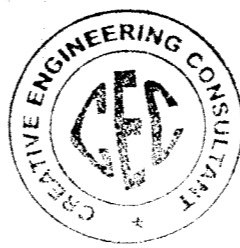
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

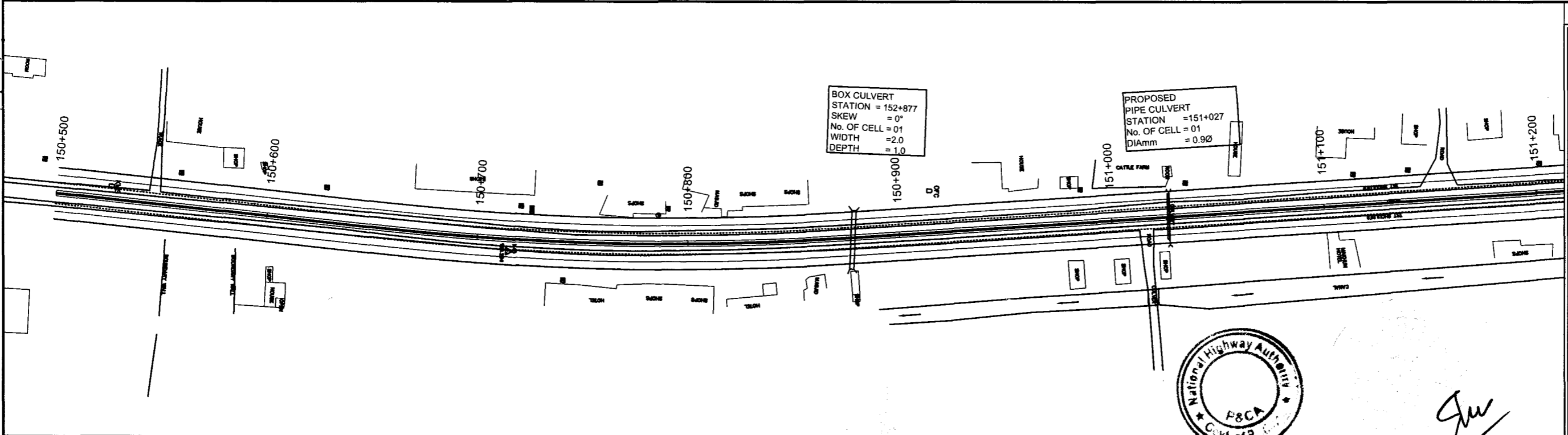
- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
149+822.00 - 150+500.00

DESIGN BY: A.S	SHEET NO: 43 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/015



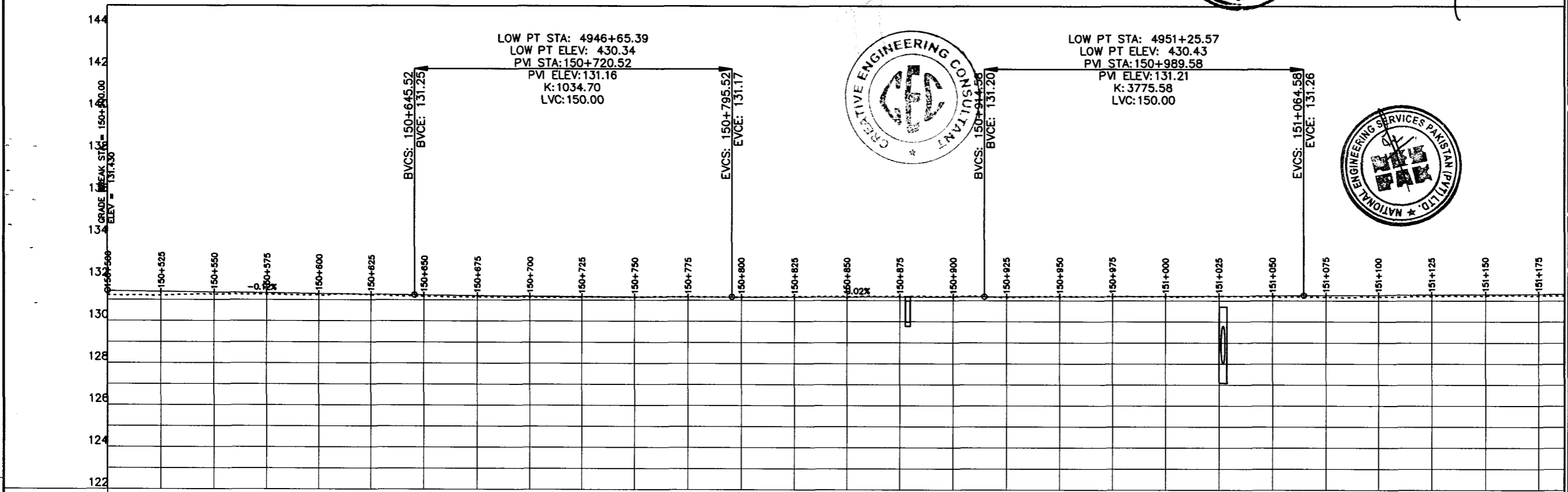


BOX CULVERT
 STATION = 152+877
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.0

PROPOSED
 PIPE CULVERT
 STATION = 151+027
 No. OF CELL = 01
 DIAM = 0.90

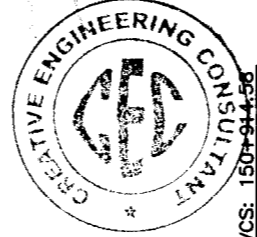


Jur



LOW PT STA: 4946+65.39
 LOW PT ELEV: 430.34
 PVI STA: 150+720.52
 PVI ELEV: 131.16
 K: 1034.70
 LVC: 150.00

LOW PT STA: 4951+25.57
 LOW PT ELEV: 430.43
 PVI STA: 150+989.58
 PVI ELEV: 131.21
 K: 3775.58
 LVC: 150.00



HCD	L=156.85m		L=215.81m R=1250.00m		L=1176.51m																									
VCD	Grade (-0.12%) Tangent Length (145.52) Chainage (150+645.52) Elevation (131.25)		Grade (0.02%) Tangent Length (119.06) Chainage (150+914.58) Elevation (131.20)																											
P.G.L	150+500	150+525	150+550	150+575	150+600	150+625	150+650	150+675	150+700	150+725	150+750	150+775	150+800	150+825	150+850	150+875	150+900	150+925	150+950	150+975	151+000	151+025	151+050	151+075	151+100	151+125	151+150	151+175		
N.S.L	131.226	131.210	131.253	131.262	131.243	131.274	131.243	131.216	131.195	131.180	131.172	131.177	131.182	131.187	131.187	131.187	131.192	131.198	131.204	131.204	131.212	131.212	131.222	131.234	131.247	131.262	131.277	131.292	131.307	131.322
CH	150+500	150+525	150+550	150+575	150+600	150+625	150+650	150+675	150+700	150+725	150+750	150+775	150+800	150+825	150+850	150+875	150+900	150+925	150+950	150+975	151+000	151+025	151+050	151+075	151+100	151+125	151+150	151+175		

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

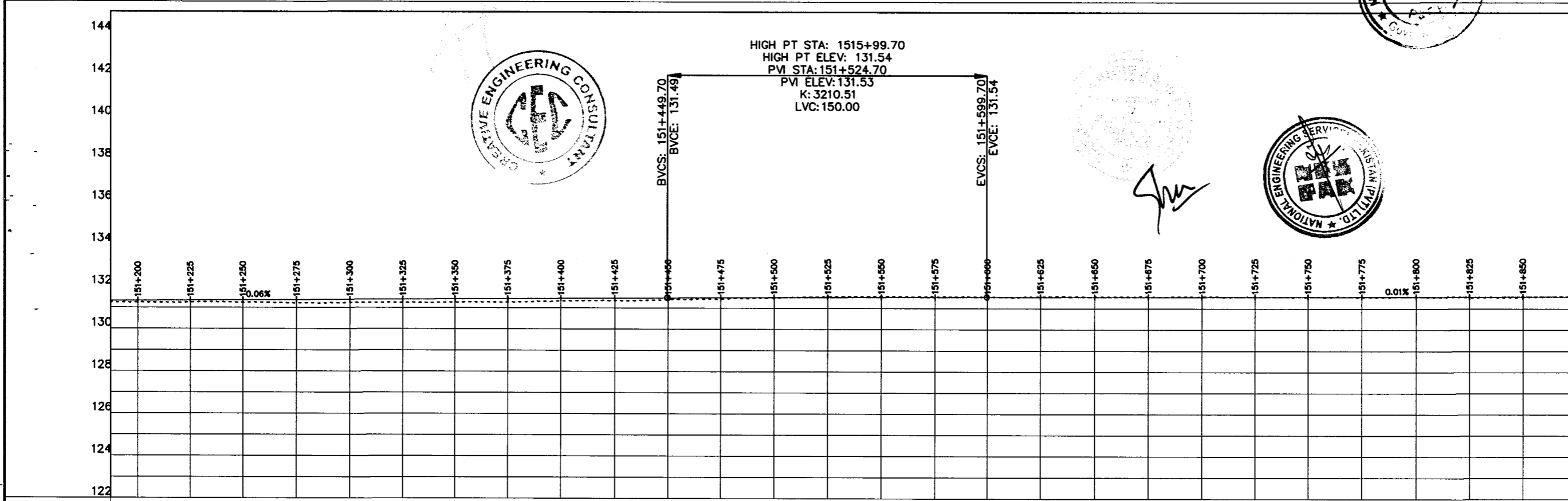
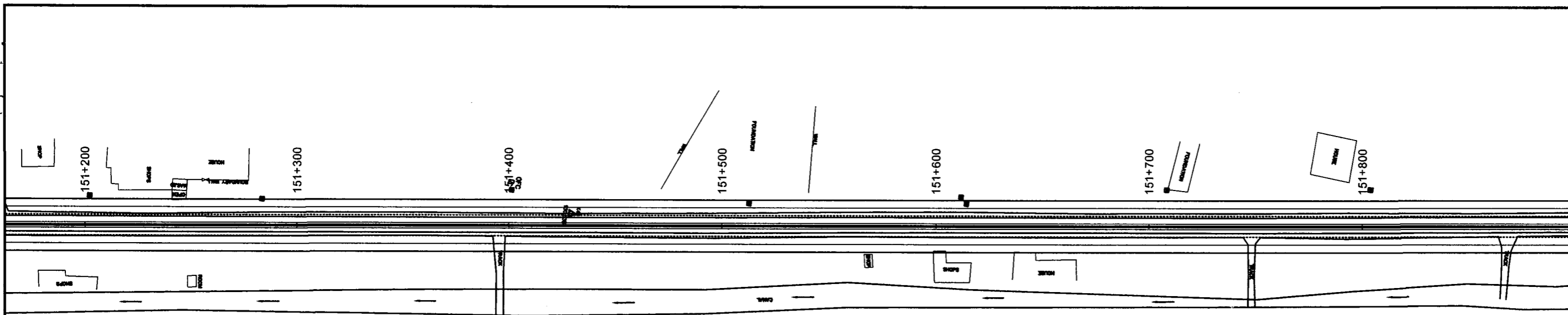
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 150+500.00 - 151+187.00

DESIGN BY: A.S	SHEET NO: 44 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/014



Station	CH	N.S.L	P.G.L	VCD	HCD
151+187	131.252	131.252	131.330		
151+200	131.241	131.241	131.337		
151+225	131.259	131.259	131.352		
151+250	131.242	131.242	131.367		
151+275	131.215	131.215	131.383		
151+300	131.238	131.238	131.398		
151+325	131.238	131.238	131.413		
151+350	131.262	131.262	131.428		
151+375	131.268	131.268	131.443		
151+400	131.317	131.317	131.458		
151+425	131.340	131.340	131.473		
151+450	131.404	131.404	131.488		
151+475	131.437	131.437	131.502		
151+500	131.502	131.502	131.514		
151+525	131.545	131.545	131.524		
151+550	131.560	131.560	131.532		
151+575	131.553	131.553	131.539		
151+600	131.537	131.537	131.543		
151+625	131.553	131.553	131.546		
151+650	131.556	131.556	131.550		
151+675	131.555	131.555	131.553		
151+700	131.567	131.567	131.557		
151+725	131.562	131.562	131.560		
151+750	131.562	131.562	131.563		
151+775	131.559	131.559	131.567		
151+800	131.562	131.562	131.570		
151+825	131.554	131.554	131.573		
151+850	131.556	131.556	131.577		

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

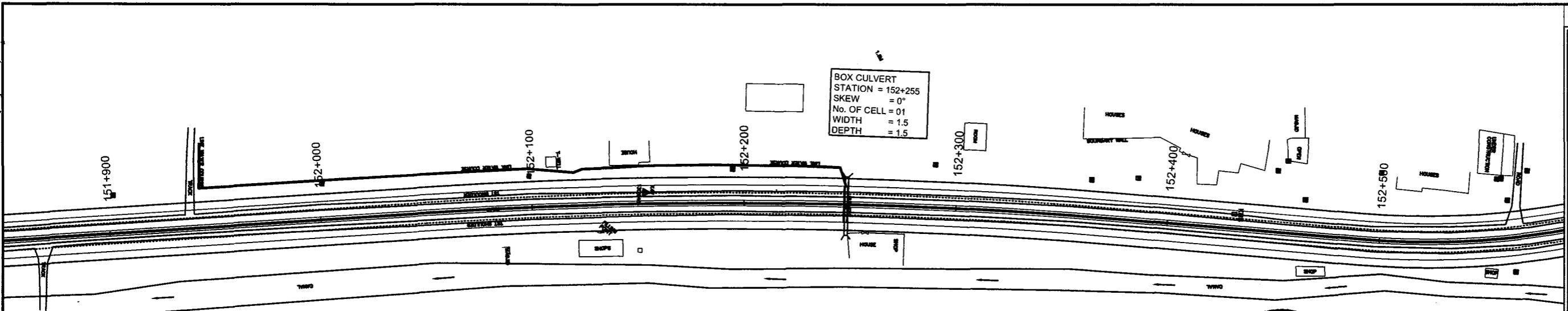
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
151+187.00 - 151+874.00

DESIGN BY:	SHEET NO:
A.S	45 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

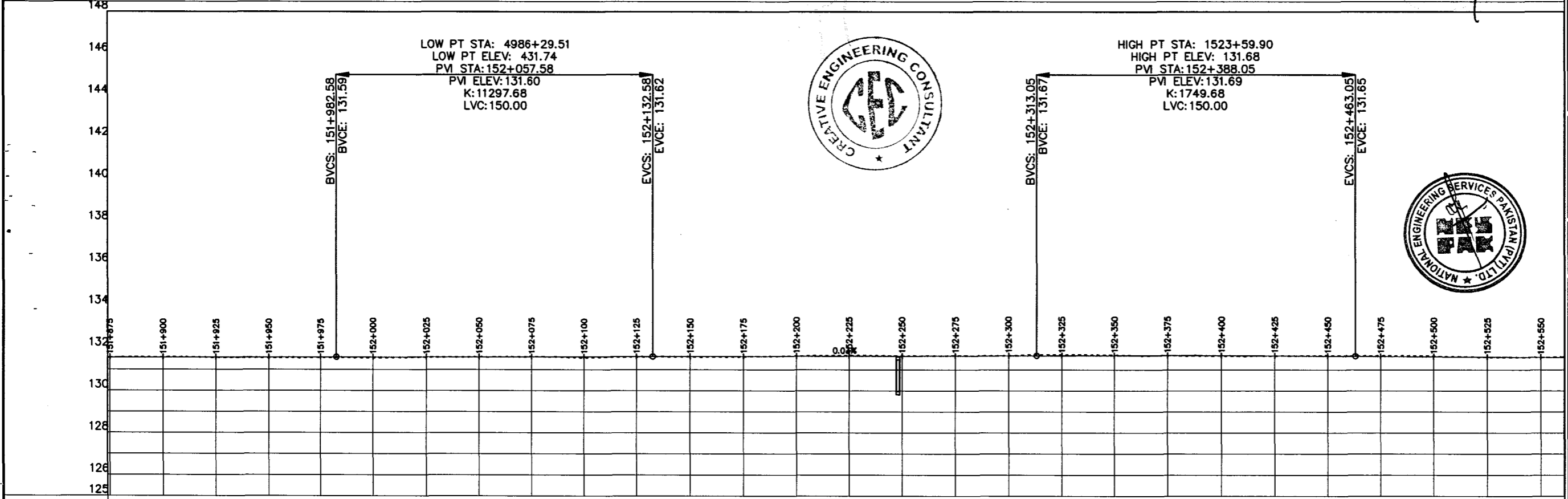
CAD FILE NAME:
CAREC/T-III/TD/014



BOX CULVERT
 STATION = 152+255
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.5



Jaw



LOW PT STA: 4986+29.51
 LOW PT ELEV: 431.74
 PVI STA: 152+057.58
 PVI ELEV: 131.60
 K: 11297.68
 LVC: 150.00

HIGH PT STA: 1523+59.90
 HIGH PT ELEV: 131.68
 PVI STA: 152+388.05
 PVI ELEV: 131.69
 K: 1749.68
 LVC: 150.00



Station	HCD	VCD	P.G.L	N.S.L	CH
151+900	L=1176.51m		131.589	131.598	131.589
151+925			131.584	131.591	131.584
151+950			131.587	131.562	131.587
151+975			131.590	131.550	131.590
152+000			131.594	131.560	131.594
152+025			131.597	131.547	131.597
152+050			131.601	131.577	131.601
152+075			131.606	131.596	131.606
152+100			131.611	131.602	131.611
152+125			131.617	131.561	131.617
152+150			131.623	131.599	131.623
152+175			131.630	131.606	131.630
152+200			131.636	131.619	131.636
152+225			131.643	131.646	131.643
152+250			131.650	131.685	131.650
152+275			131.656	131.659	131.656
152+300			131.663	131.670	131.663
152+325			131.670	131.674	131.670
152+350			131.676	131.719	131.676
152+375			131.679	131.705	131.679
152+400			131.679	131.673	131.679
152+425			131.675	131.655	131.675
152+450			131.667	131.647	131.667
152+475			131.656	131.681	131.656
152+500			131.642	131.669	131.642
152+525			131.627	131.653	131.627
152+550			131.613	131.601	131.613
152+550			131.598	131.586	131.598

Grade (0.03%)
 Tangent Length (180.47)
 Chainage (152+313.05)
 Elevation (131.67)

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

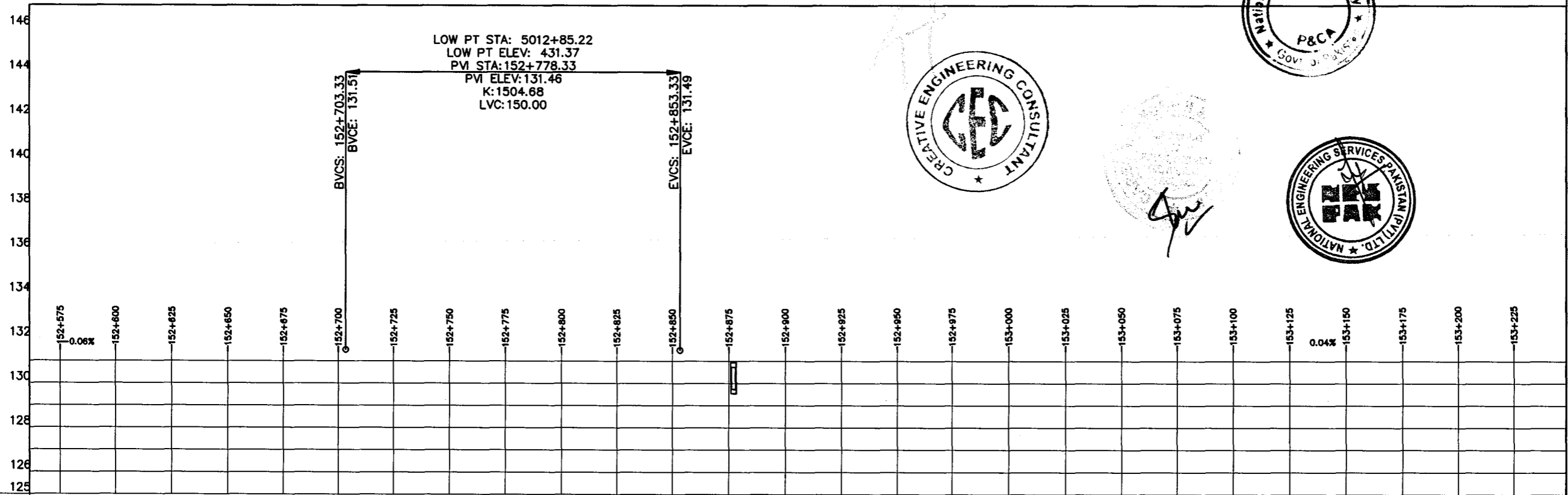
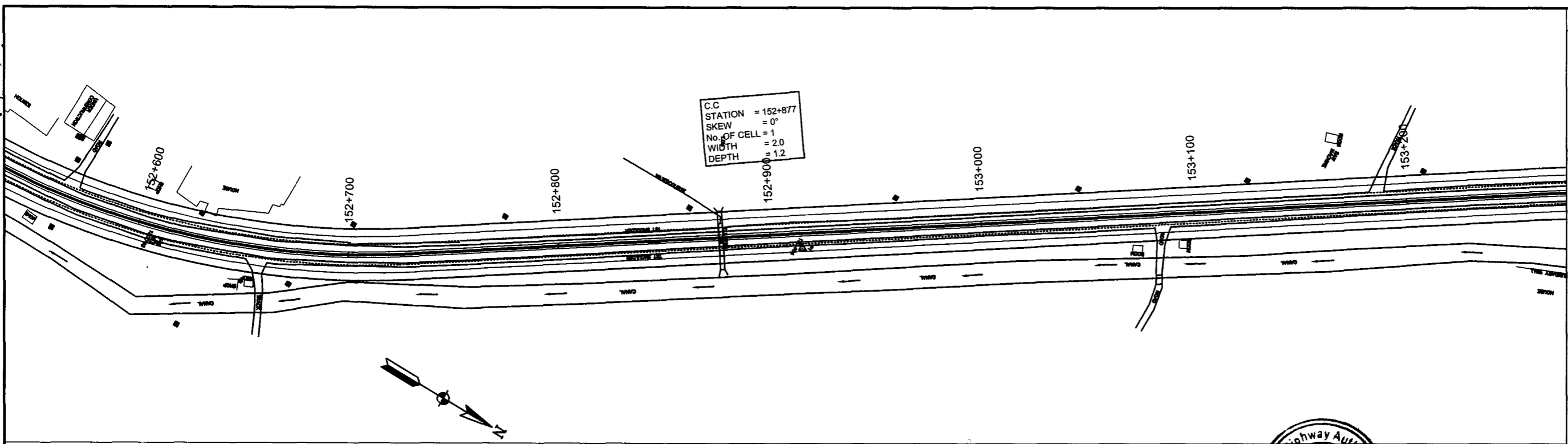
CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With SAMAN CORPORATION
- SHELDIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 151+874.00 - 152+561.00

DESIGN BY: A.S	SHEET NO: 46 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/014



Station	CH	N.S.L	P.G.L
152+561	131.617	131.591	
152+575	131.573	131.583	
152+600	131.546	131.568	
152+625	131.519	131.554	
152+650	131.524	131.539	
152+675	131.532	131.524	
152+700	131.501	131.509	
152+725	131.487	131.496	
152+750	131.462	131.487	
152+775	131.422	131.482	
152+800	131.436	131.462	
152+825	131.419	131.485	
152+850	131.428	131.492	
152+875	131.399	131.503	
152+900	131.410	131.513	
152+925	131.408	131.523	
152+950	131.414	131.533	
152+975	131.422	131.543	
153+000	131.420	131.554	
153+025	131.402	131.564	
153+050	131.410	131.574	
153+075	131.434	131.584	
153+100	131.438	131.594	
153+125	131.453	131.604	
153+150	131.442	131.615	
153+175	131.421	131.625	
153+200	131.433	131.635	
153+225	131.434	131.645	

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
------	----------------	------

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

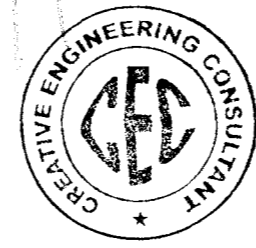
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

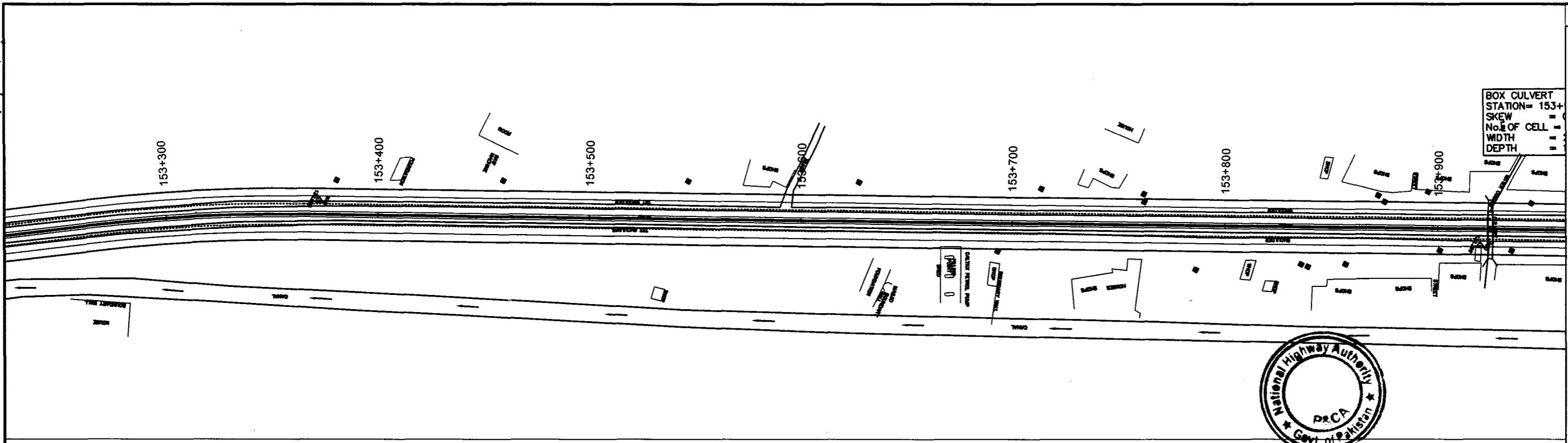
CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
152+561.00 - 153+248.00

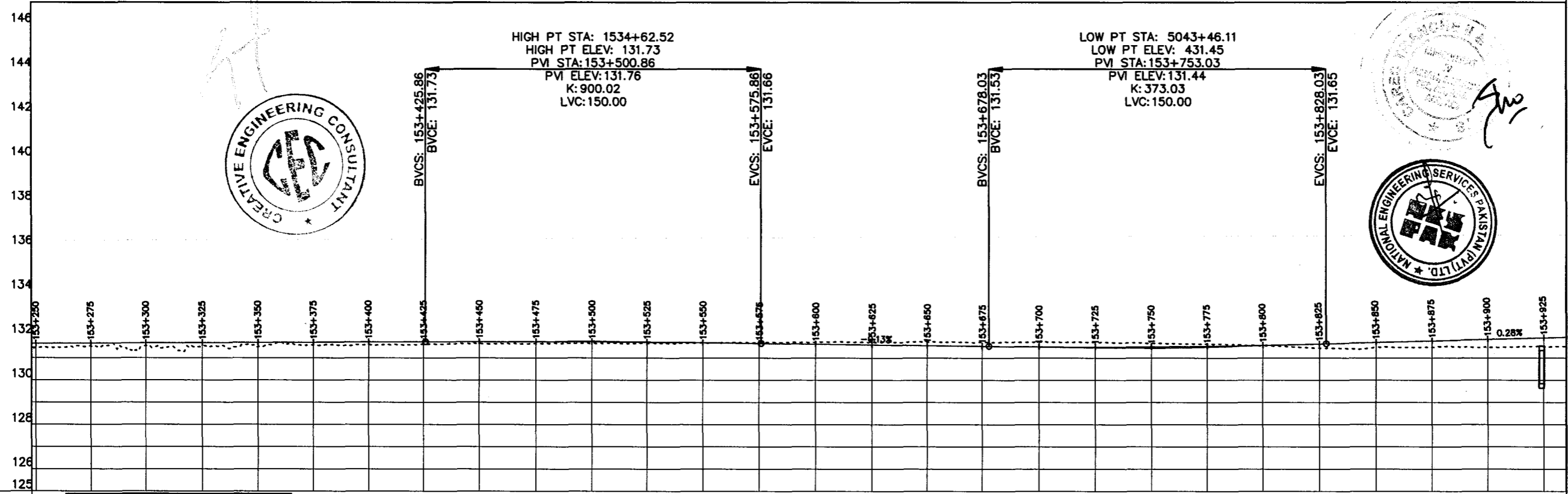
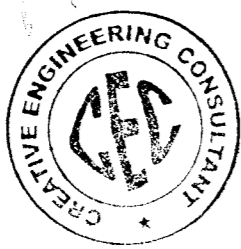
DESIGN BY:	SHEET NO:
A.S	47 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014





BOX CULVERT
 STATION= 153+
 SKEW =
 No. OF CELL =
 WIDTH =
 DEPTH =



HIGH PT STA: 153+62.52
 HIGH PT ELEV: 131.73
 PVI STA: 153+500.86
 PVI ELEV: 131.76
 K: 900.02
 LVC: 150.00

LOW PT STA: 153+46.11
 LOW PT ELEV: 131.45
 PVI STA: 153+753.03
 PVI ELEV: 131.44
 K: 373.03
 LVC: 150.00

BVCS: 153+425.86
 BVCE: 131.73

EVCS: 153+575.86
 EVCE: 131.66

BVCS: 153+678.03
 BVCE: 131.53

EVCS: 153+828.03
 EVCE: 131.65

HCD L=535.35m L=101.34m R=765.02m L=1341.00m

VCD Grade (-0.13%) Tangent Length (102.17) Chainage (153+678.03) Elevation (131.53) Grade (0.28%) Tangent Length (163.3) Chainage (153+991.3) Elevation (132.10)

P.G.L	153+250	153+275	153+300	153+325	153+350	153+375	153+400	153+425	153+450	153+475	153+500	153+525	153+550	153+575	153+600	153+625	153+650	153+675	153+700	153+725	153+750	153+775	153+800	153+825	153+850	153+875	153+900	153+925
N.S.L	131.456	131.525	131.550	131.476	131.513	131.558	131.599	131.614	131.647	131.644	131.654	131.665	131.680	131.697	131.709	131.695	131.729	131.690	131.733	131.706	131.657	131.627	131.547	131.437	131.482	131.485	131.439	131.521
CH	131.855	131.666	131.676	131.686	131.696	131.706	131.716	131.727	131.734	131.734	131.727	131.713	131.692	131.664	131.633	131.601	131.570	131.538	131.513	131.505	131.513	131.538	131.580	131.639	131.708	131.777	131.846	131.915

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

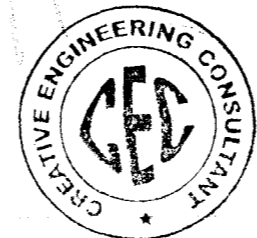
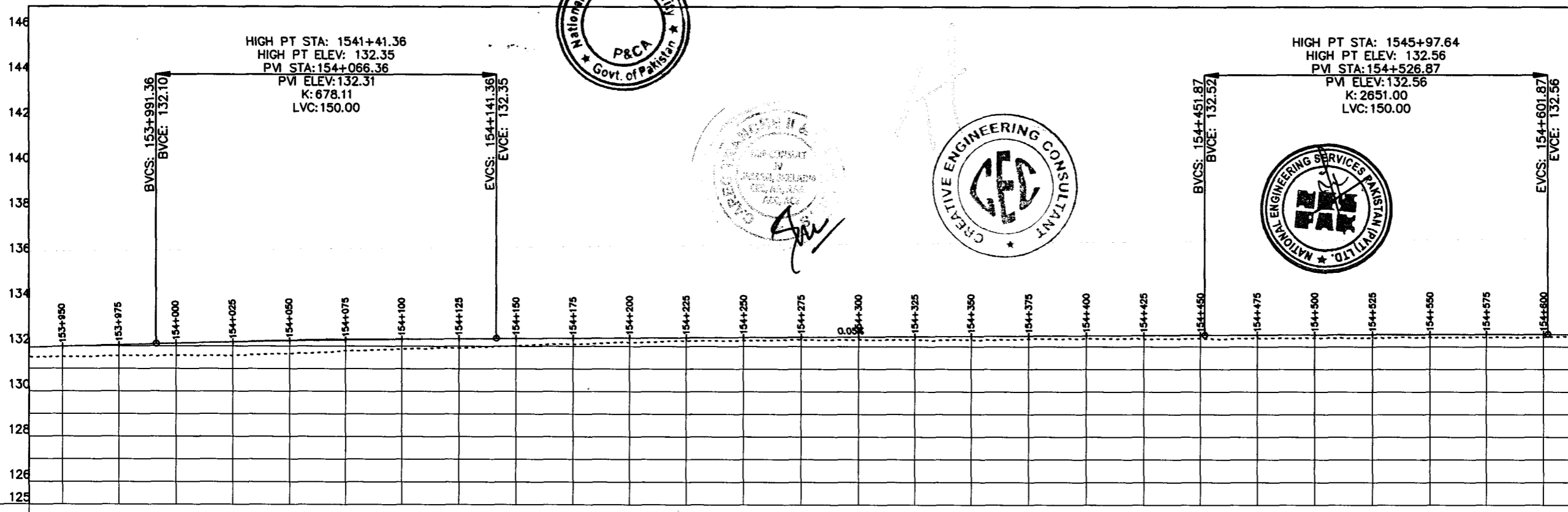
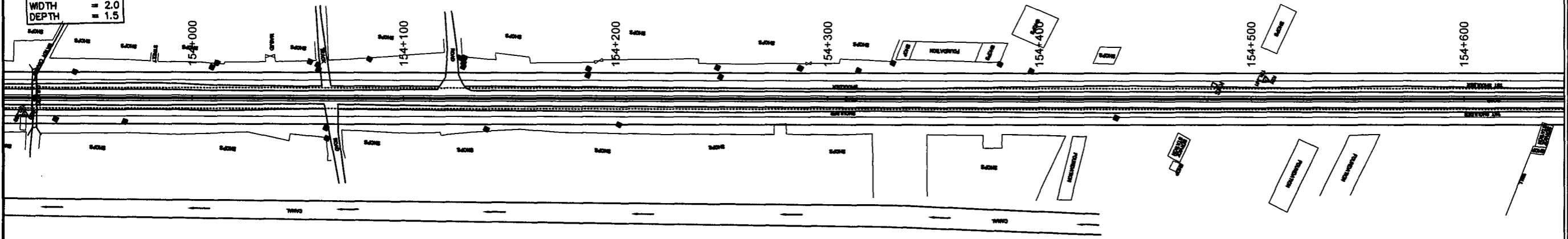
CONSULTANTS:
 MINCONSULT. SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 153+248.00 - 153+935.00

DESIGN BY: A.S	SHEET NO: 48 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/014

BOX CULVERT
 STATION= 153+924
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

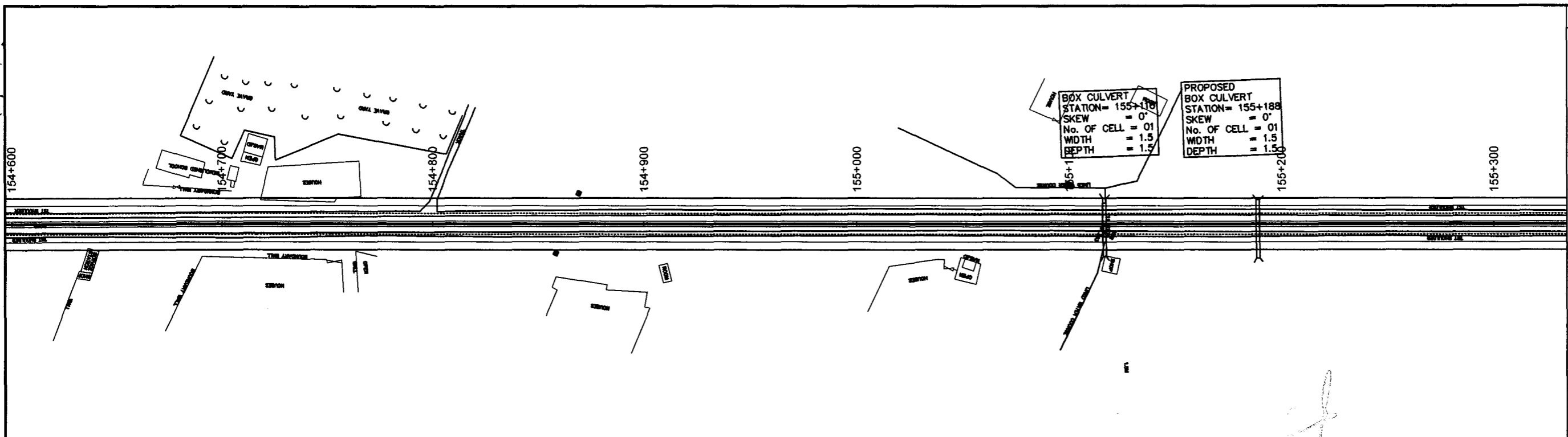
- CONSULTANTS:
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 153+935.00 - 154+622.00

DESIGN BY: A.S	SHEET NO: 49 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

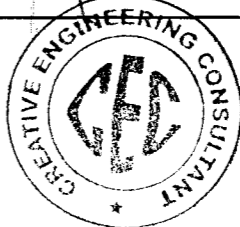
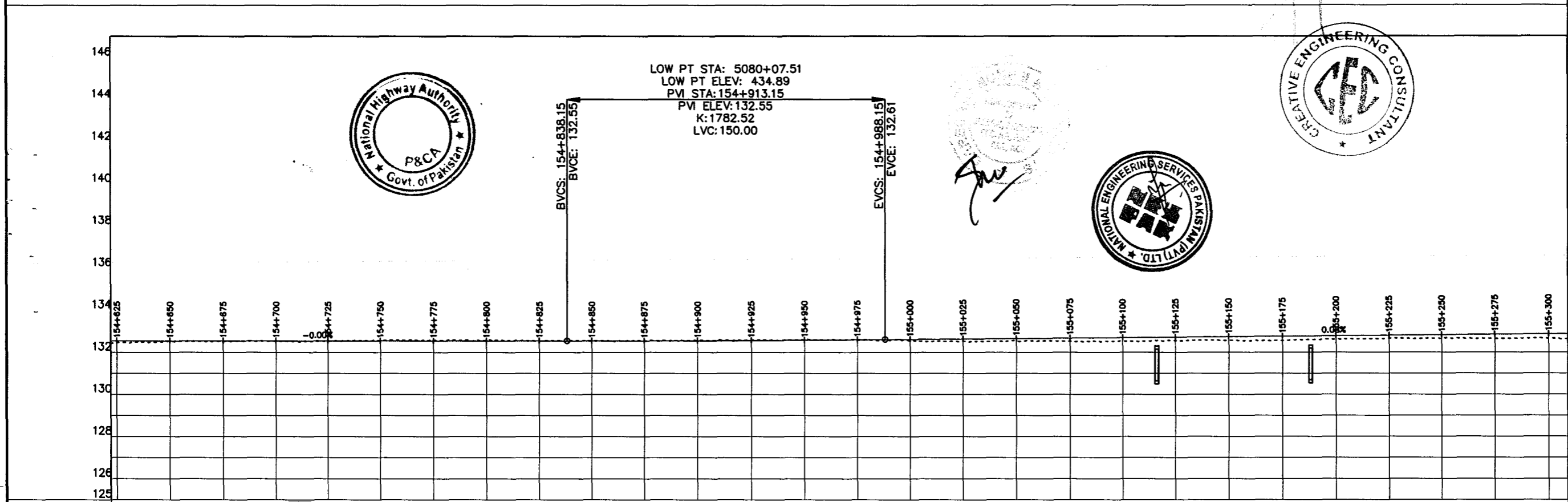
CAD FILE NAME:
 CAREC/T-III/TD/014

HCD	L=1341.00m																											
VCD	Grade (0.05%) Tangent Length (310.50) Chainage (154+451.87) Elevation (132.52)																											
P.G.L	153+935	153+950	153+975	154+000	154+025	154+050	154+075	154+100	154+125	154+150	154+175	154+200	154+225	154+250	154+275	154+300	154+325	154+350	154+375	154+400	154+425	154+450	154+475	154+500	154+525	154+550	154+575	154+600
N.S.L	131.569	131.521	131.567	131.581	131.579	131.664	131.799	131.860	131.914	132.018	132.088	132.170	132.242	132.252	132.292	132.311	132.302	132.298	132.343	132.359	132.332	132.359	132.375	132.380	132.386	132.419	132.410	132.420
CH	131.943	131.984	132.053	132.122	132.183	132.235	132.278	132.311	132.336	132.351	132.365	132.379	132.393	132.406	132.420	132.434	132.448	132.461	132.475	132.489	132.503	132.516	132.529	132.540	132.548	132.553	132.557	132.557



NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Station	CH	N.S.L	P.G.L
154+625	132.476	132.476	132.557
154+650	132.507	132.507	132.557
154+675	132.522	132.522	132.556
154+700	132.526	132.526	132.556
154+725	132.524	132.524	132.555
154+750	132.574	132.574	132.555
154+775	132.588	132.588	132.555
154+800	132.571	132.571	132.554
154+825	132.548	132.548	132.554
154+850	132.542	132.542	132.554
154+875	132.548	132.548	132.557
154+900	132.566	132.566	132.563
154+925	132.584	132.584	132.573
154+950	132.599	132.599	132.587
154+975	132.583	132.583	132.604
155+000	132.558	132.558	132.624
155+025	132.523	132.523	132.645
155+050	132.546	132.546	132.665
155+075	132.526	132.526	132.686
155+100	132.535	132.535	132.707
155+125	132.550	132.550	132.727
155+150	132.567	132.567	132.748
155+175	132.560	132.560	132.769
155+200	132.612	132.612	132.789
155+225	132.652	132.652	132.810
155+250	132.649	132.649	132.831
155+275	132.647	132.647	132.851
155+300	132.658	132.658	132.872

REV.	REVISION/ISSUE	DATE
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PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

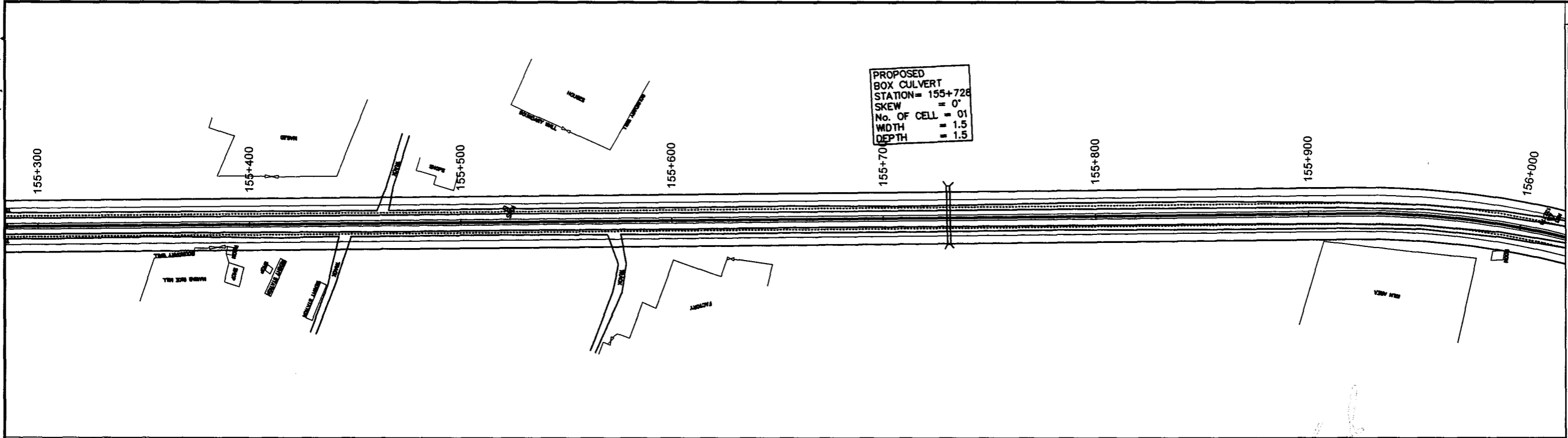
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

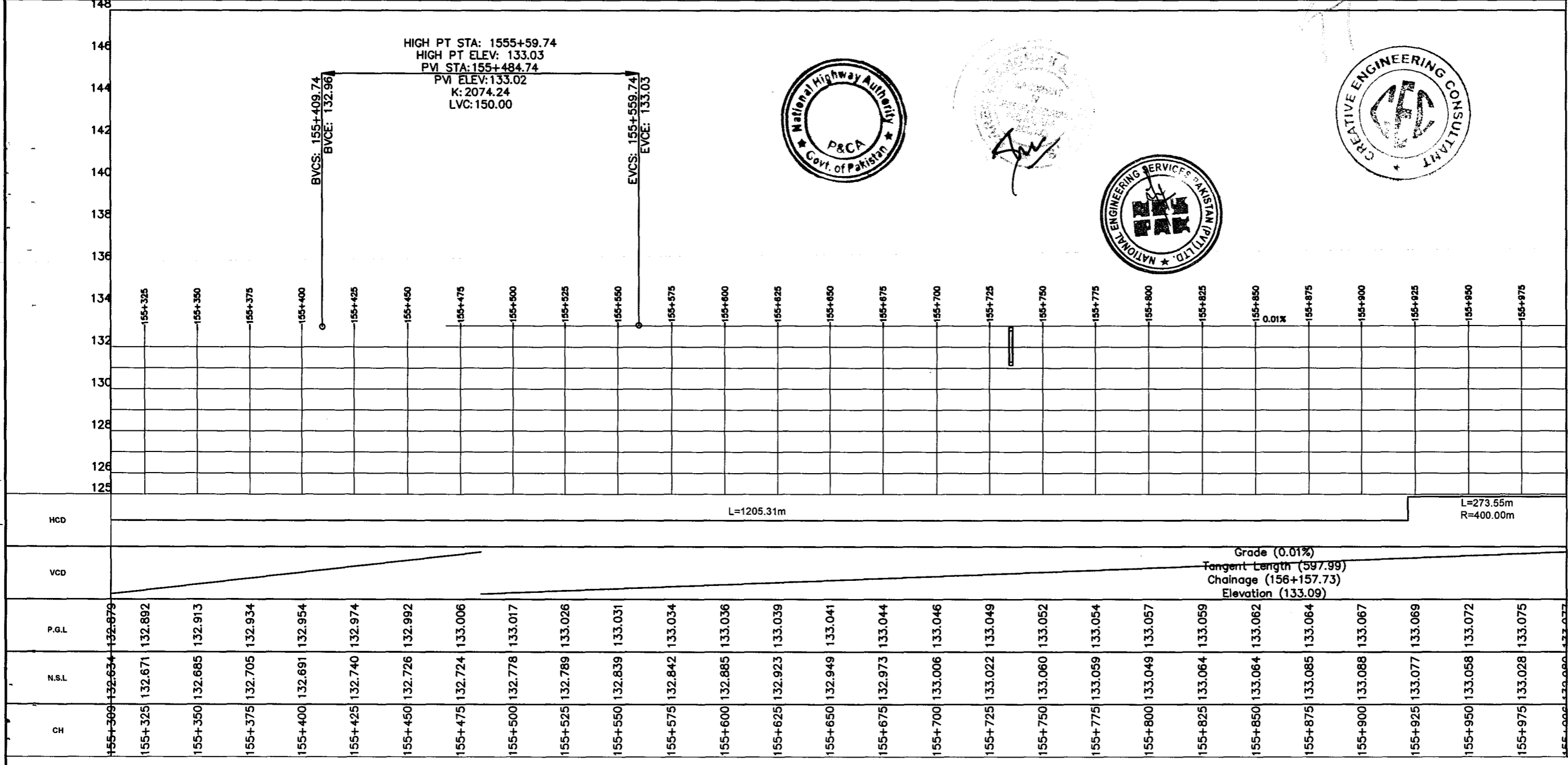
DRAWING TITLE:
PLAN & PROFILE
154+622.00 - 155+309.00

DESIGN BY: A.S	SHEET NO: 50 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

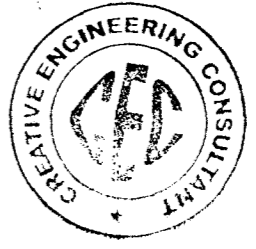
CAD FILE NAME:
CAREC/T-III/TD/014



PROPOSED
BOX CULVERT
STATION= 155+726
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5



HIGH PT STA: 155+59.74
HIGH PT ELEV: 133.03
PVI STA: 155+484.74
PVI ELEV: 133.02
K: 2074.24
LVC: 150.00



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

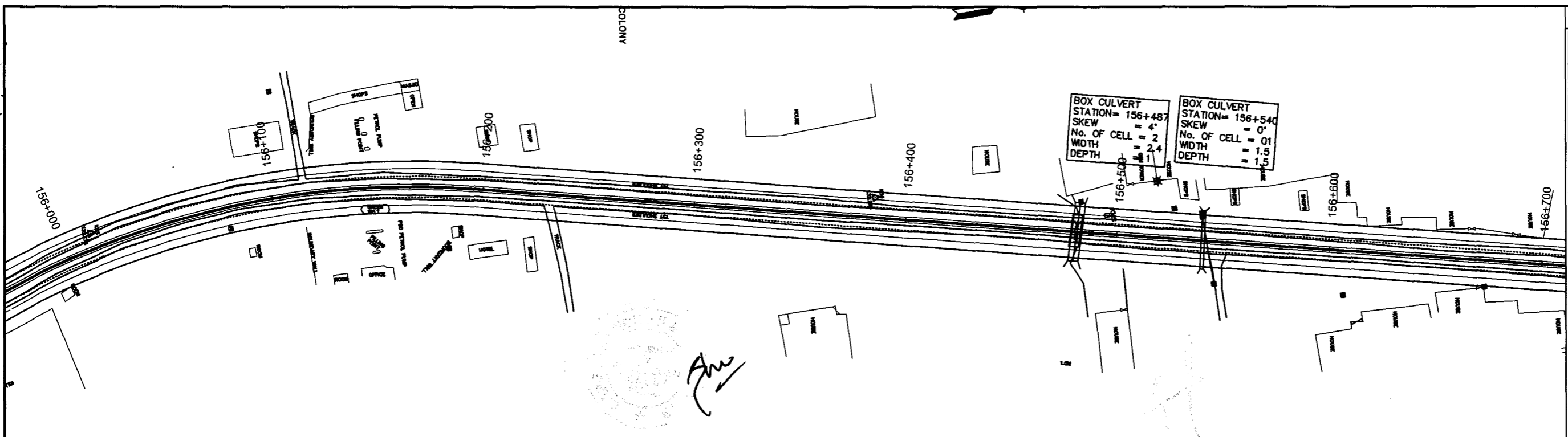
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With SAMAN CORPORATION
- SHELDIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
PLAN & PROFILE
155+309.00 - 155+996.00

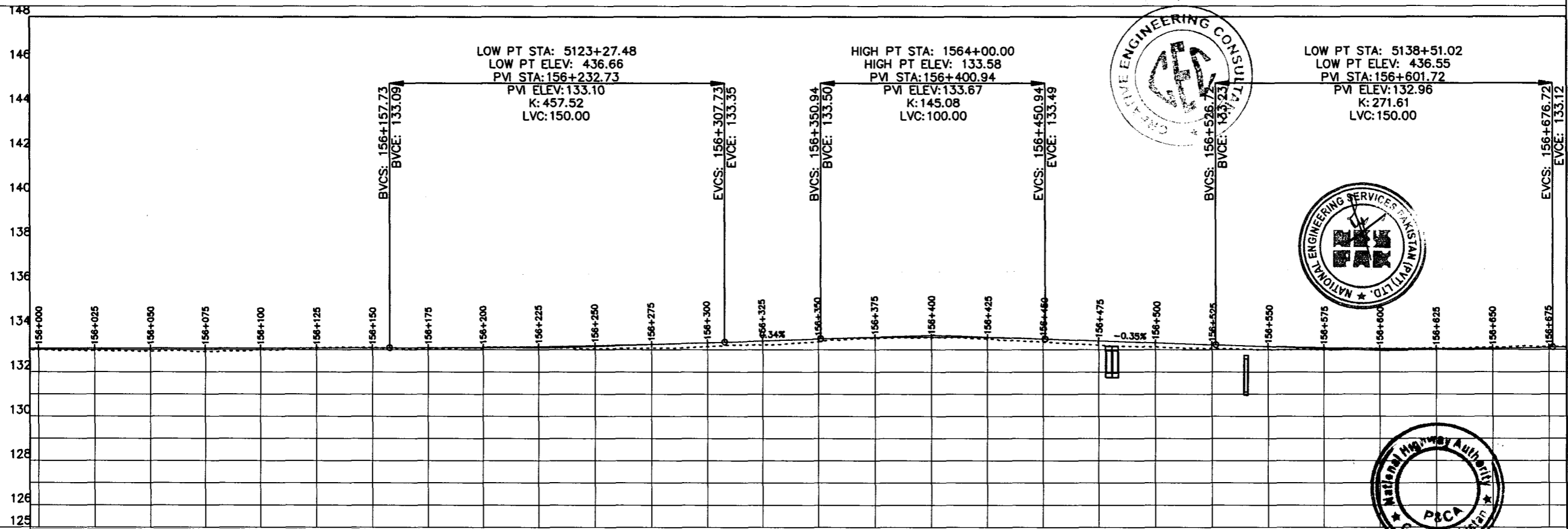
DESIGN BY: A.S	SHEET NO: 51 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014



BOX CULVERT
 STATION= 156+487
 SKEW = 4°
 No. OF CELL = 2
 WIDTH = 2.4
 DEPTH = 1.5

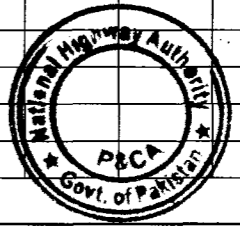
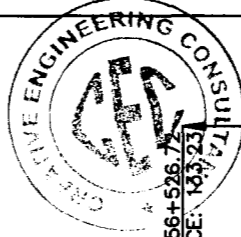
BOX CULVERT
 STATION= 156+540
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.5



LOW PT STA: 5123+27.48
 LOW PT ELEV: 436.66
 PVI STA: 156+232.73
 PVI ELEV: 133.10
 K: 457.52
 LVC: 150.00

HIGH PT STA: 1564+00.00
 HIGH PT ELEV: 133.58
 PVI STA: 156+400.94
 PVI ELEV: 133.67
 K: 145.08
 LVC: 100.00

LOW PT STA: 5138+51.02
 LOW PT ELEV: 436.55
 PVI STA: 156+601.72
 PVI ELEV: 132.96
 K: 271.61
 LVC: 150.00



Station	CH	N.S.L	P.G.L	VCD	HCD
156+000	132.888	132.888	133.077		
156+025	132.956	132.956	133.080		
156+050	132.929	132.929	133.082		
156+075	132.917	132.917	133.085		
156+100	132.997	132.997	133.087		
156+125	133.087	133.087	133.090		
156+150	133.115	133.115	133.092		
156+175	133.027	133.027	133.098		
156+200	133.087	133.087	133.117		
156+225	133.106	133.106	133.150		
156+250	133.061	133.061	133.196		
156+275	133.076	133.076	133.256		
156+300	133.141	133.141	133.329		
156+325	133.230	133.230	133.413		
156+350	133.371	133.371	133.497		
156+375	133.518	133.518	133.562		
156+400	133.554	133.554	133.584		
156+425	133.491	133.491	133.562		
156+450	133.354	133.354	133.497		
156+475	133.213	133.213	133.410		
156+500	133.138	133.138	133.322		
156+525	133.071	133.071	133.234		
156+550	133.002	133.002	133.156		
156+575	132.996	132.996	133.101		
156+600	133.049	133.049	133.069		
156+625	133.069	133.069	133.061		
156+650	133.109	133.109	133.075		
156+675	133.145	133.145	133.112		

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

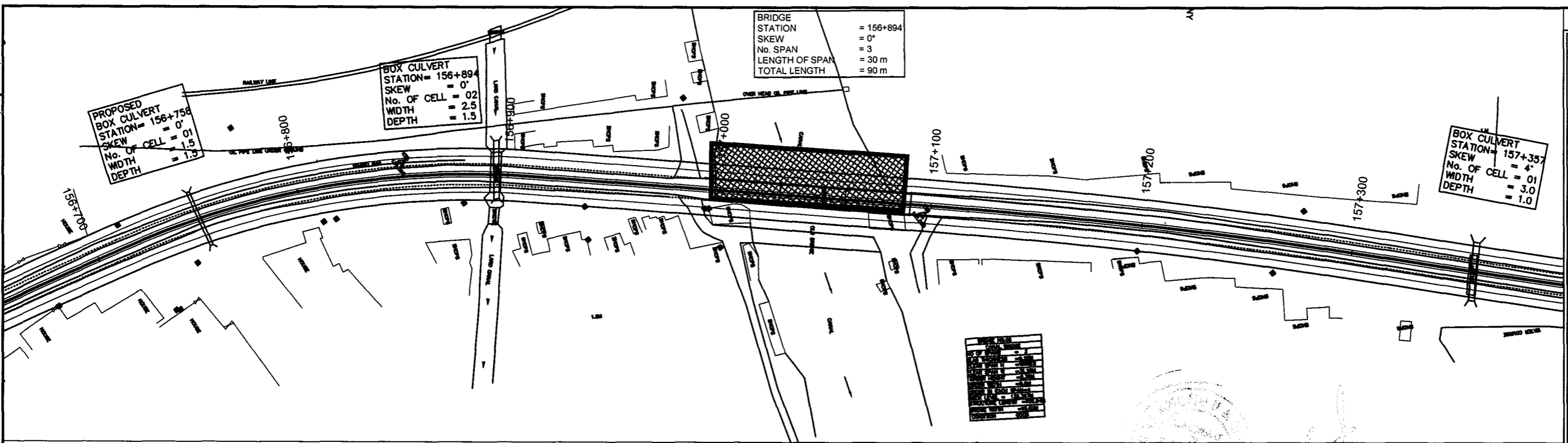
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 155+996.00 - 156+683.00

DESIGN BY: A.S	SHEET NO: 52 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/014

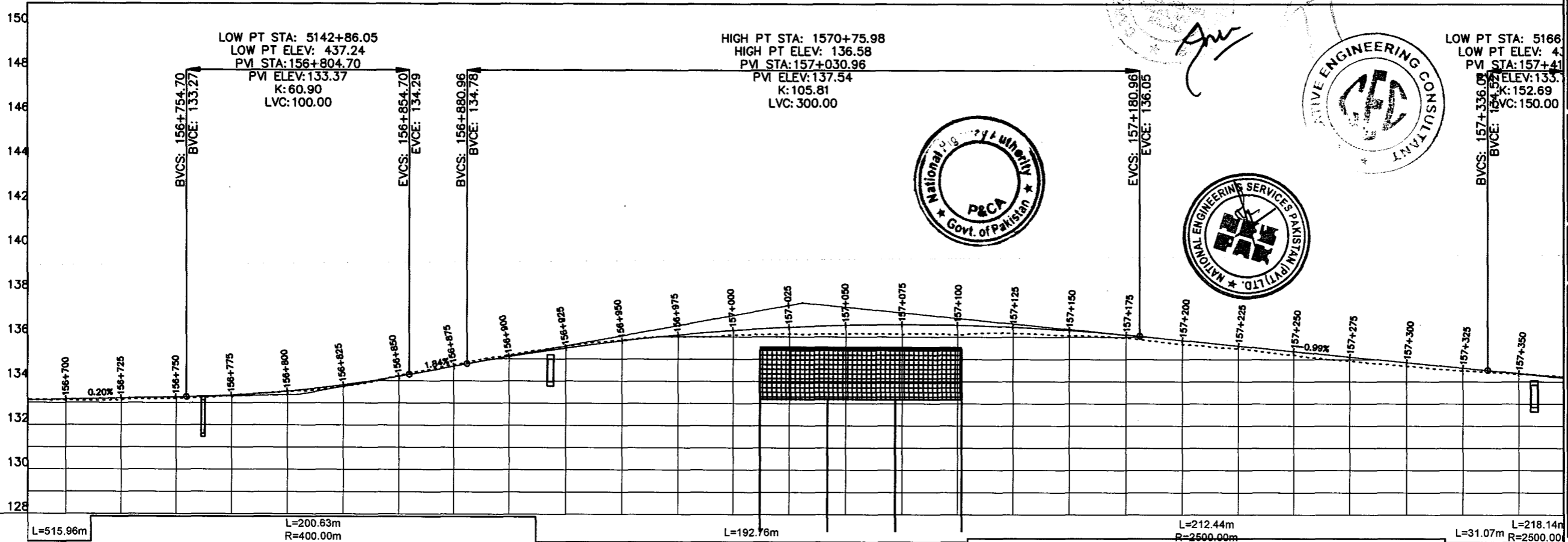


BRIDGE
STATION = 156+894
SKEW = 0°
No. SPAN = 3
LENGTH OF SPAN = 30 m
TOTAL LENGTH = 90 m

PROPOSED
BOX CULVERT
STATION = 156+756
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5

BOX CULVERT
STATION = 156+894
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.5
DEPTH = 1.5

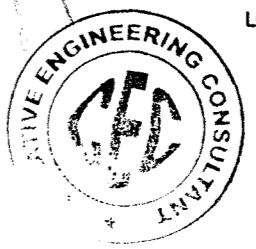
BOX CULVERT
STATION = 157+357
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.0
DEPTH = 1.0



LOW PT STA: 5142+86.05
LOW PT ELEV: 437.24
PVI STA: 156+804.70
PVI ELEV: 133.37
K: 60.90
LVC: 100.00

HIGH PT STA: 1570+75.98
HIGH PT ELEV: 136.58
PVI STA: 157+030.96
PVI ELEV: 137.54
K: 105.81
LVC: 300.00

LOW PT STA: 5166
LOW PT ELEV: 437.24
PVI STA: 157+41
PVI ELEV: 133.37
K: 152.69
LVC: 150.00



NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

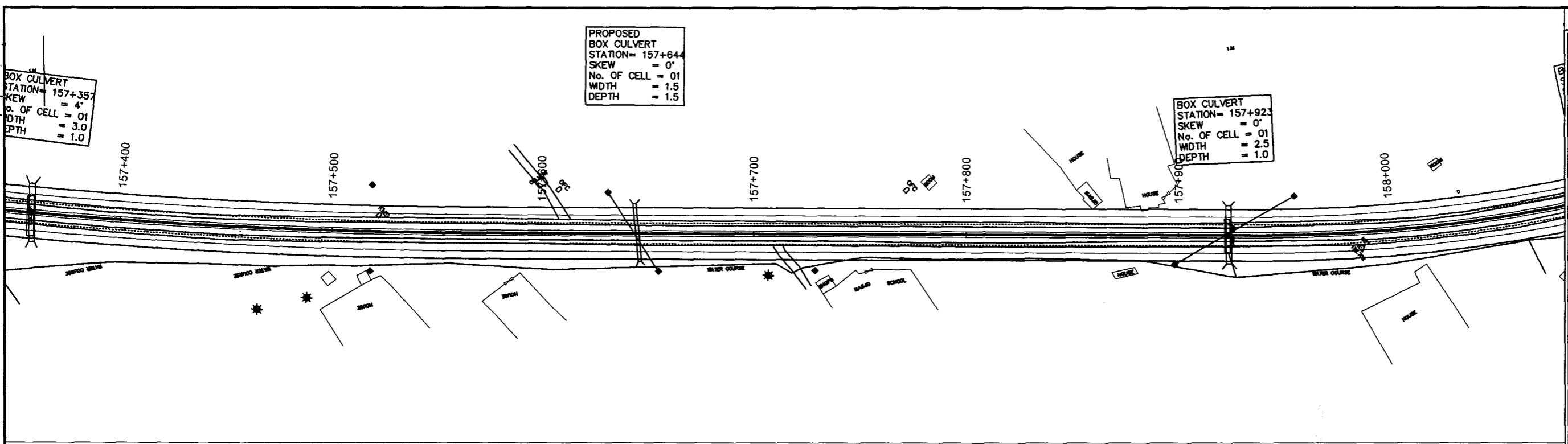
- MINCONSULT. SDN BHD In Joint Venture With SAMAN CORPORATION
- SHELDIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
PLAN & PROFILE
156+683.00 - 157+370.00

DESIGN BY:	SHEET NO:
A.S	53 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/014

HCD	L=515.96m	L=200.63m R=400.00m	L=192.76m	L=212.44m R=2500.00m	L=31.07m R=2500.00m	L=218.14m
VCD	Grade (0.20%) Tangent Length (77.98) Chainage (156+754.70) Elevation (133.27)	Grade (1.84%) Tangent Length (26.26) Chainage (156+880.96) Elevation (134.78)	Grade (-0.99%) Tangent Length (155.04) Chainage (157+336.04) Elevation (134.52)			
P.G.L	133.128	133.162	133.212	133.263	133.347	133.532
N.S.L	133.114	133.112	133.138	133.198	133.313	133.347
CH	156+683	156+700	156+725	156+750	156+775	156+800
	156+825	156+850	156+875	156+900	156+925	156+950
	156+975	157+000	157+025	157+050	157+075	157+100
	157+125	157+150	157+175	157+200	157+225	157+250
	157+275	157+300	157+325	157+350		



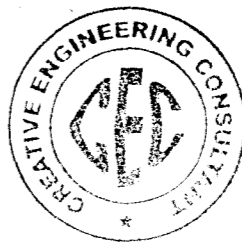
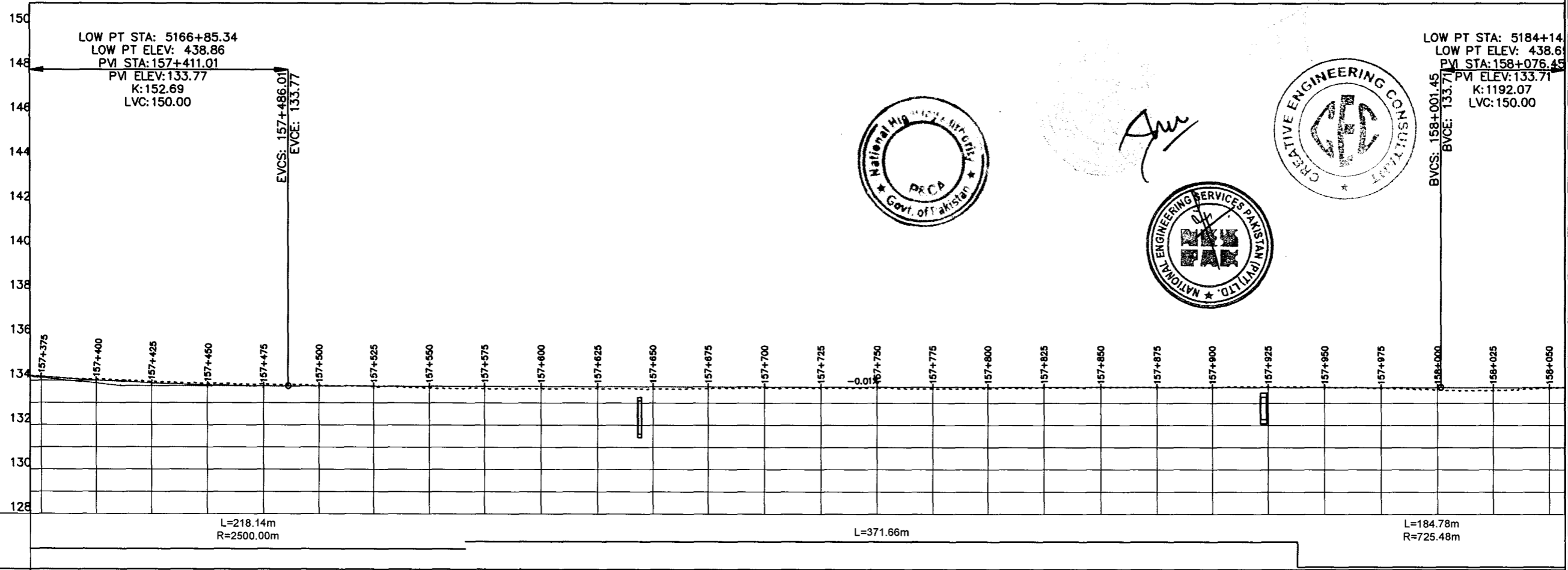
PROPOSED
BOX CULVERT
STATION= 157+644
SKEW = 0'
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5

BOX CULVERT
STATION= 157+923
SKEW = 0'
No. OF CELL = 01
WIDTH = 2.5
DEPTH = 1.0

BOX CULVERT
STATION= 157+357
SKEW = 4'
No. OF CELL = 01
WIDTH = 3.0
DEPTH = 1.0

NOTES		
1:- ALL DIMENSIONS AND ARE IN METERS.		

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

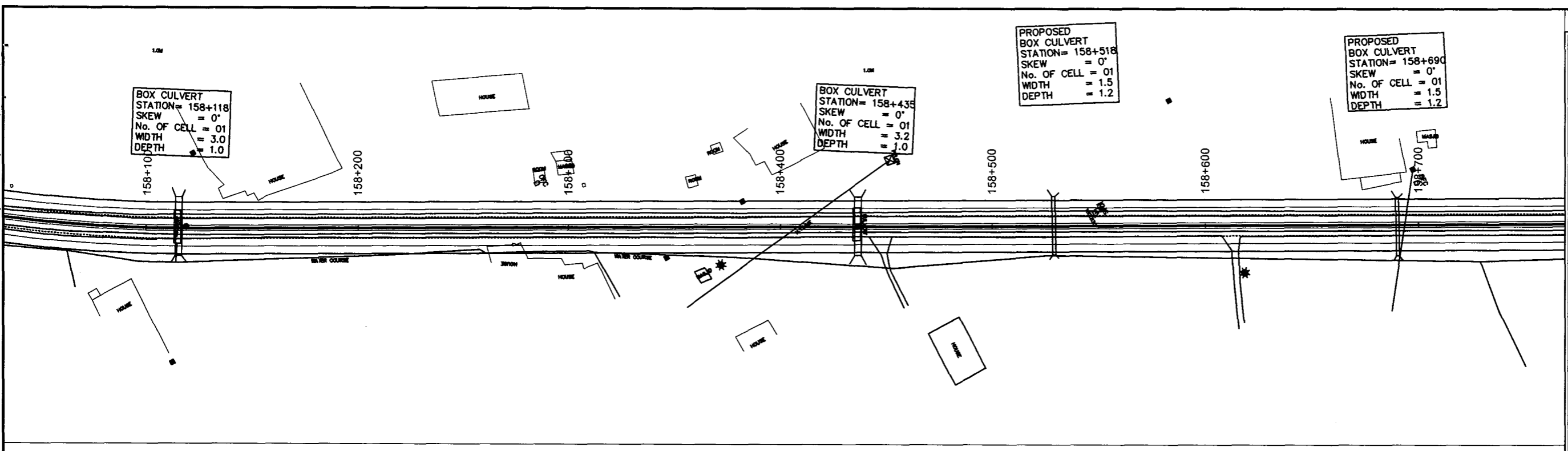
- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMANT CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
157+370.00 - 158+057.00

DESIGN BY: A.S	SHEET NO: 54 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

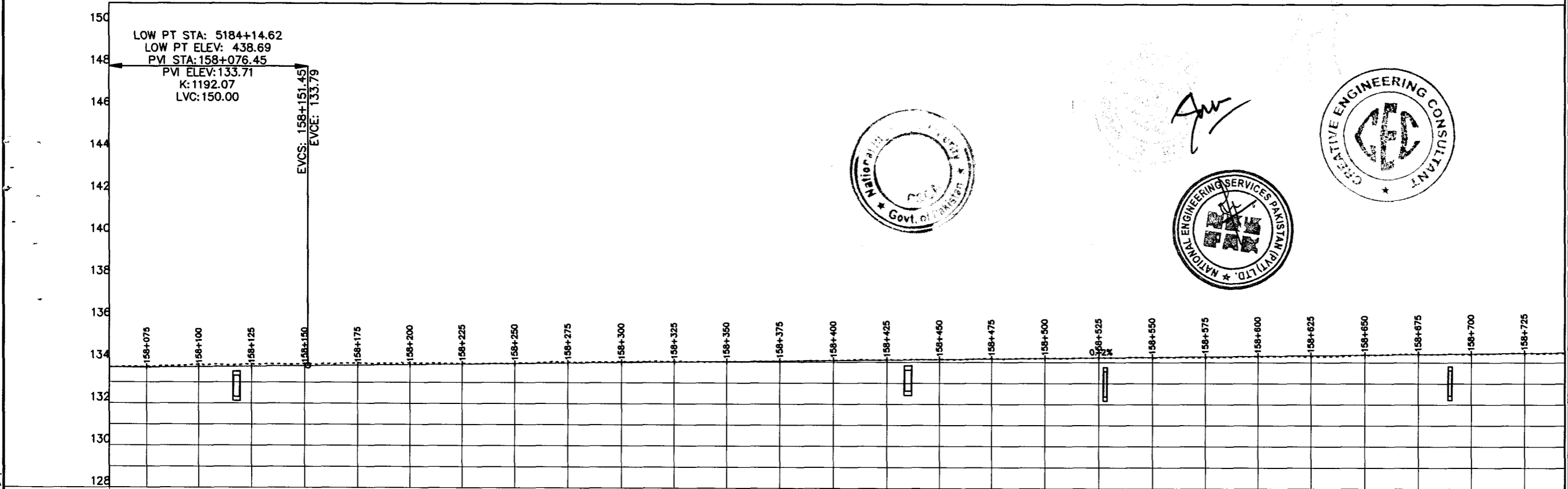
Station	HCD	VCD	P.G.L	N.S.L	CH
157+370			134.247	134.229	134.247
157+375			134.179	134.176	134.179
157+400			134.016	134.060	134.016
157+425			133.893	133.955	133.893
157+450			133.811	133.860	133.811
157+475			133.770	133.847	133.770
157+500			133.764	133.784	133.764
157+525			133.761	133.740	133.761
157+550			133.759	133.673	133.759
157+575			133.756	133.645	133.756
157+600			133.754	133.642	133.754
157+625			133.751	133.649	133.751
157+650			133.749	133.621	133.749
157+675			133.747	133.658	133.747
157+700			133.744	133.685	133.744
157+725			133.742	133.691	133.742
157+750			133.739	133.680	133.739
157+775			133.737	133.651	133.737
157+800			133.734	133.669	133.734
157+825			133.732	133.698	133.732
157+850			133.730	133.704	133.730
157+875			133.727	133.729	133.727
157+900			133.725	133.717	133.725
157+925			133.722	133.739	133.722
157+950			133.720	133.713	133.720
157+975			133.717	133.679	133.717
158+000			133.715	133.589	133.715
158+025			133.715	133.565	133.715
158+050			133.720	133.695	133.720

CAD FILE NAME:
CAREC/T-III/TD/014



NOTES
 1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

Station	HCD	VCD	P.G.L	N.S.L	CH
158+057			133.722	133.708	133.707
158+075			133.730	133.742	133.746
158+100			133.746	133.849	133.746
158+125			133.767	133.862	133.767
158+150			133.793	133.891	133.793
158+175			133.822	133.920	133.822
158+200			133.851	133.910	133.851
158+225			133.880	133.894	133.880
158+250			133.909	133.887	133.909
158+275			133.938	133.972	133.938
158+300			133.967	134.002	133.967
158+325			133.996	134.022	133.996
158+350			134.025	134.009	134.025
158+375			134.054	134.015	134.054
158+400			134.083	134.079	134.083
158+425			134.112	134.115	134.112
158+450			134.141	134.127	134.141
158+475			134.170	134.181	134.170
158+500			134.199	134.187	134.199
158+525			134.228	134.233	134.228
158+550			134.257	134.231	134.257
158+575			134.286	134.248	134.286
158+600			134.315	134.300	134.315
158+625			134.344	134.296	134.344
158+650			134.373	134.335	134.373
158+675			134.402	134.406	134.402
158+700			134.431	134.389	134.431
158+725			134.460	134.440	134.460

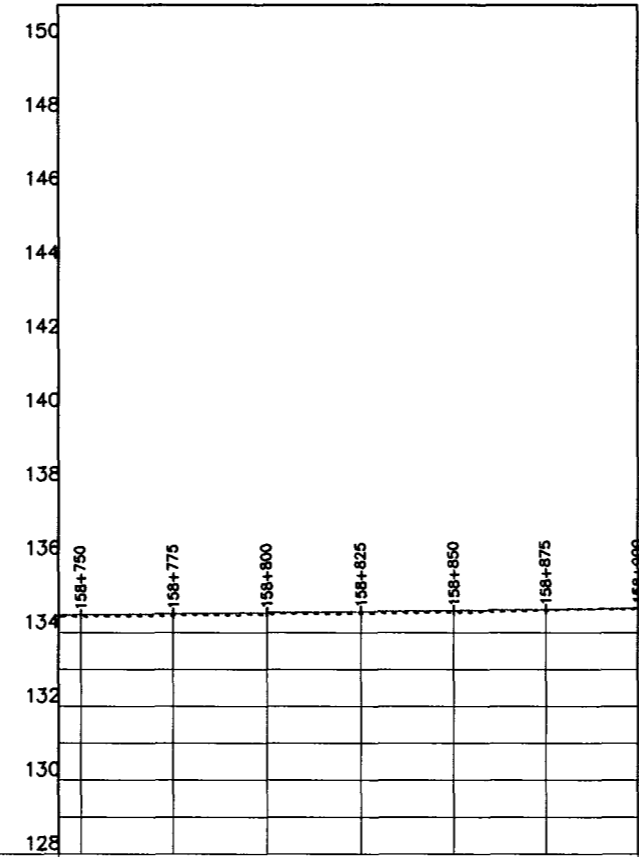
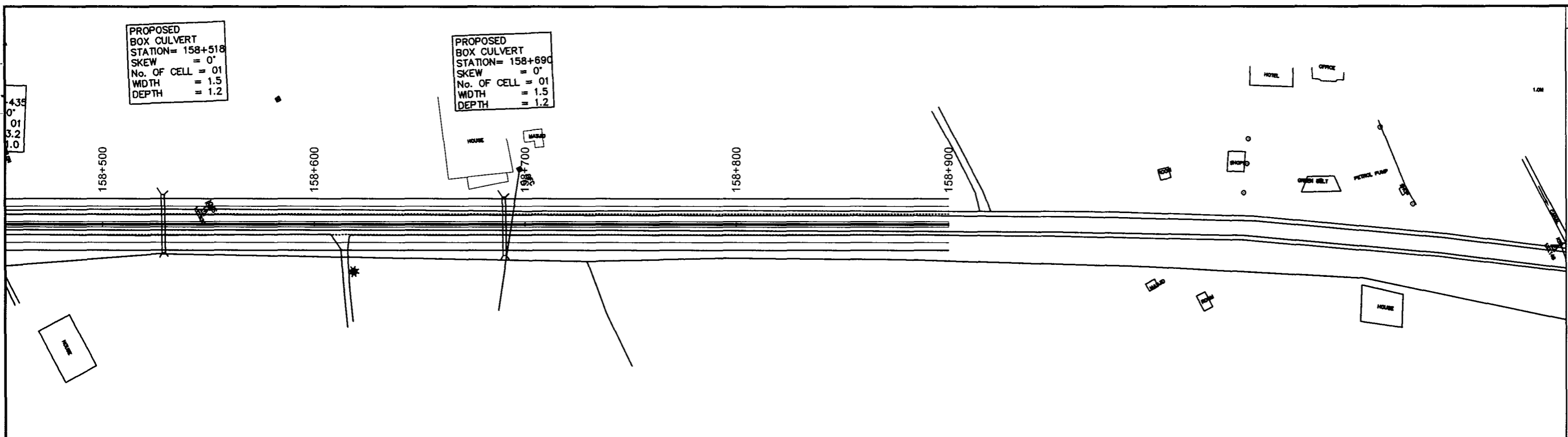
DRAWING TITLE:
 PLAN & PROFILE
 158+057.00 - 158+744.00

DESIGN BY: A.S	SHEET NO: 55 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

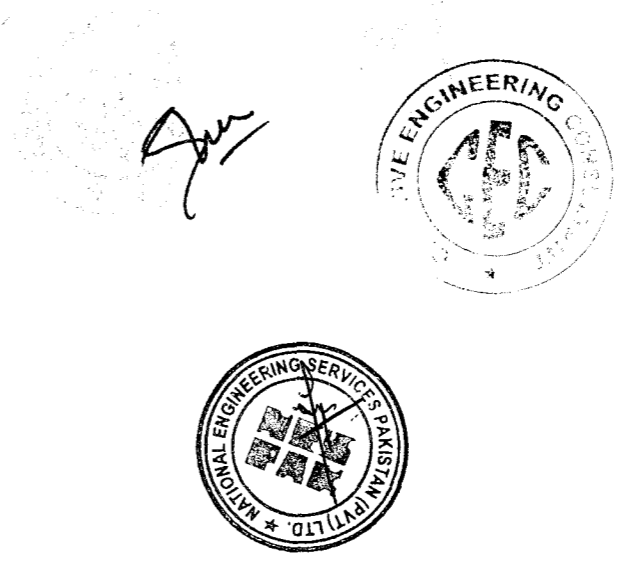
CAD FILE NAME:
 CAREC/T-III/TD/014

PROPOSED
BOX CULVERT
STATION= 158+518
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.2

PROPOSED
BOX CULVERT
STATION= 158+690
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.2



HCD	L=777.31m							
VCD	[Profile Curve]							
P.G.L	158+744	158+750	158+775	158+800	158+825	158+850	158+875	158+900
N.S.L	134.427	134.445	134.450	134.511	134.520	134.547	134.598	134.663
CH	134.462	134.489	134.518	134.547	134.576	134.605	134.634	134.663



NOTES

1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

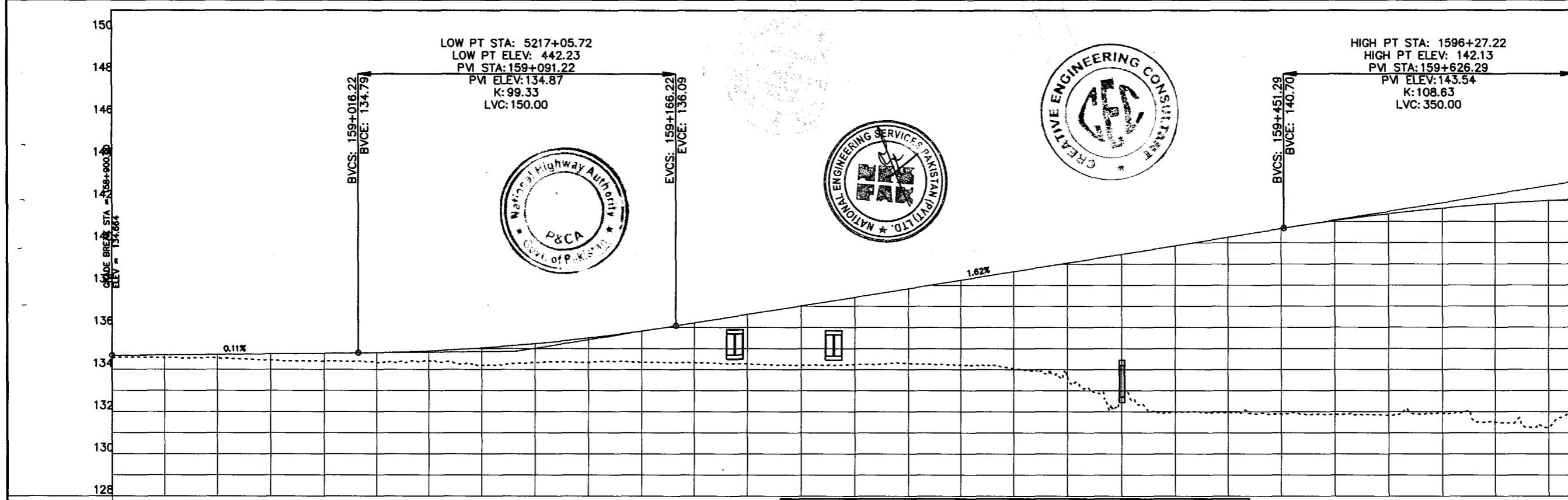
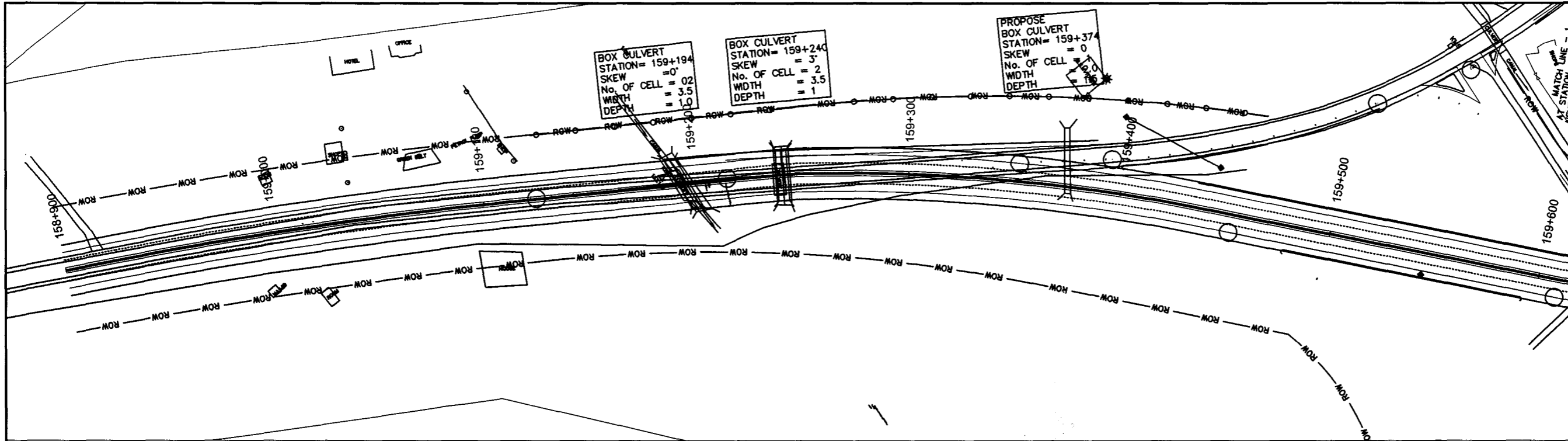
CLIENT:
 NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
158+744.00 - 158+900.00

DESIGN BY: A.S	SHEET NO: 56 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/016



Station	Grade (0.11%)	Grade (1.62%)
158+800	134.664	134.664
158+825	134.691	134.691
158+850	134.719	134.719
158+875	134.746	134.746
158+900	134.773	134.773
158+925	134.805	134.805
158+950	134.885	134.885
158+975	135.029	135.029
159+000	135.236	135.236
159+025	135.506	135.506
159+050	135.838	135.838
159+075	136.230	136.230
159+100	136.635	136.635
159+125	137.040	137.040
159+150	137.445	137.445
159+175	137.849	137.849
159+200	138.254	138.254
159+225	138.659	138.659
159+250	139.064	139.064
159+275	139.469	139.469
159+300	139.874	139.874
159+325	140.279	140.279
159+350	140.684	140.684
159+375	141.063	141.063
159+400	141.384	141.384
159+425	141.648	141.648
159+450	141.855	141.855
159+475	142.004	142.004
159+500		
159+525		
159+550		
159+575		
159+600		

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

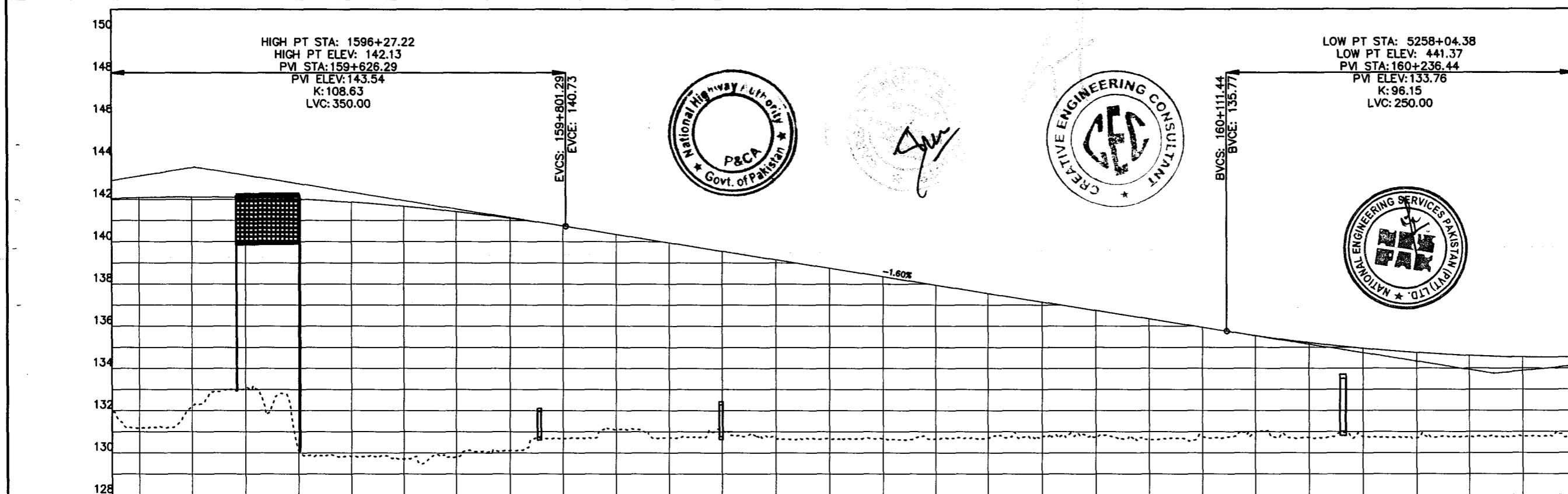
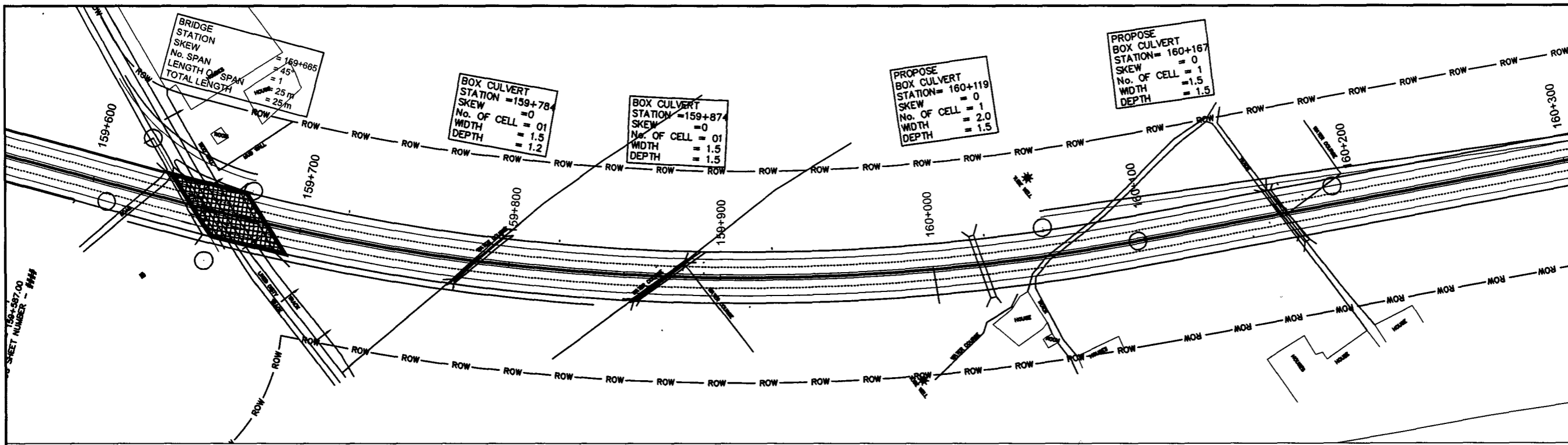
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
158+900.00 - 159+587.00

DESIGN BY: A.S	SHEET NO.: 57 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/ITD/017



Station	Elevation
159+587	131.938
159+600	131.182
159+625	132.192
159+650	133.043
159+675	130.104
159+700	129.834
159+725	129.714
159+750	129.827
159+775	130.100
159+800	130.689
159+825	131.088
159+850	130.710
159+875	131.033
159+900	130.677
159+925	130.656
159+950	130.650
159+975	130.675
160+000	130.696
160+025	130.774
160+050	130.712
160+075	130.628
160+100	130.760
160+125	130.964
160+150	130.724
160+175	130.786
160+200	130.709
160+225	130.776
160+250	130.787

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

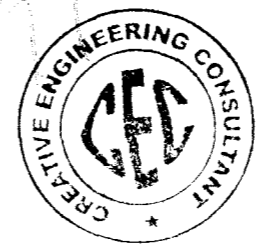
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

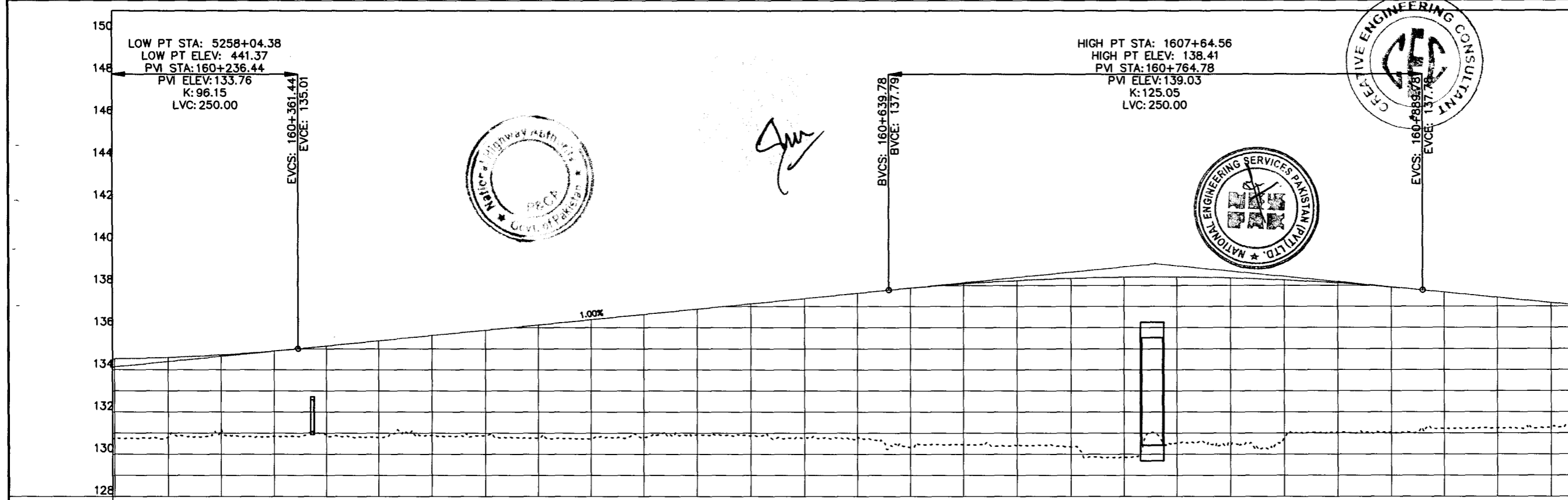
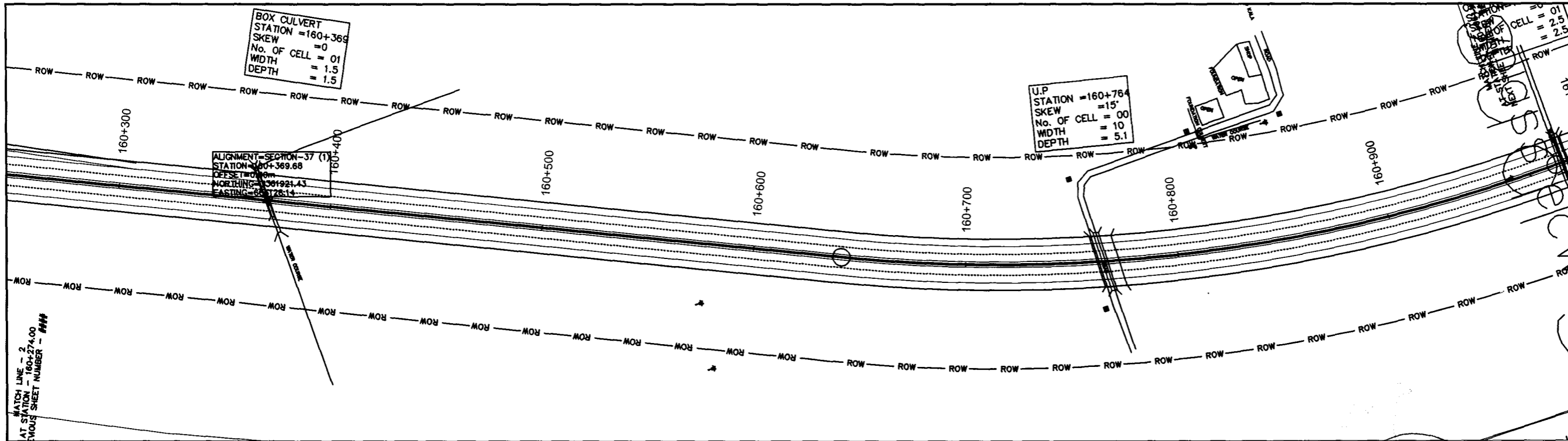
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
159+587.00 - 160+274.00

DESIGN BY: A.S	SHEET NO: 58 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/THI/TD/017





Station	160+275	160+300	160+325	160+350	160+375	160+400	160+425	160+450	160+475	160+500	160+525	160+550	160+575	160+600	160+625	160+650	160+675	160+700	160+725	160+750	160+775	160+800	160+825	160+850	160+875	160+900	160+925	160+950
HCD																												
VCD																												
P.G.L	134.835	134.593	134.715	134.902	135.145	135.394	135.644	135.893	136.143	136.392	136.642	136.891	137.141	137.390	137.639	137.885	138.089	138.243	138.347	138.401	138.405	138.359	138.263	138.118	137.922	137.680	137.430	137.180
N.S.L	130.769	130.810	131.176	130.854	130.892	130.794	130.891	130.898	130.770	130.727	130.818	130.928	130.871	130.751	130.751	130.318	130.450	130.388	130.336	129.864	130.531	130.485	130.795	131.046	131.041	131.219	131.228	131.276
CH																												

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

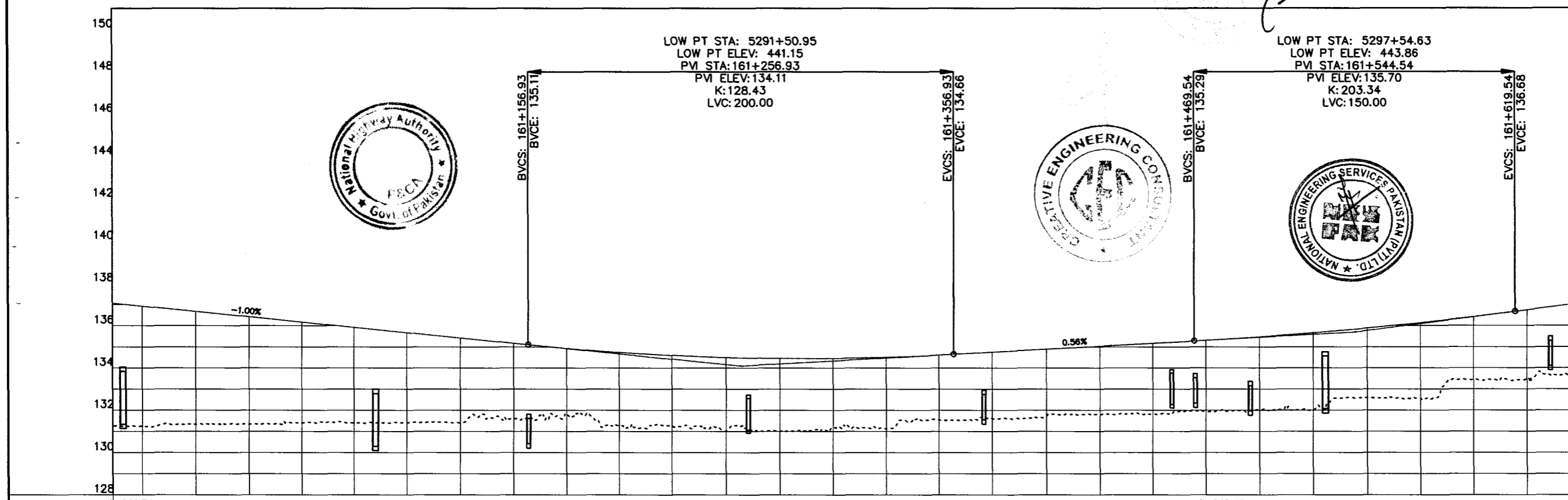
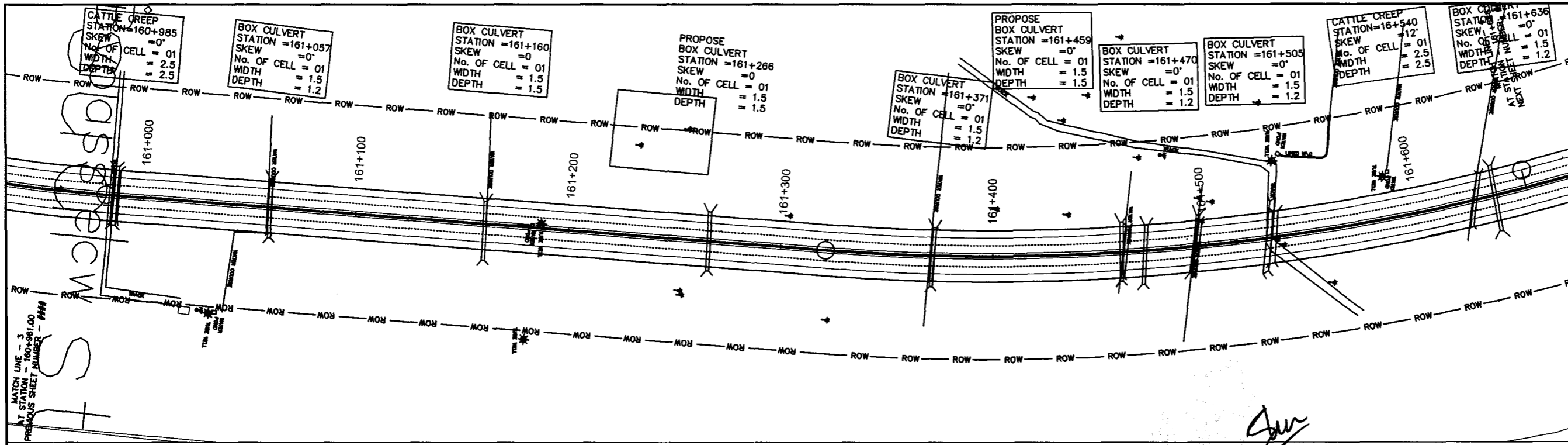
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
160+274.00 - 160+961.00

DESIGN BY:	SHEET NO:
A.S	59 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/III/TD/017



HCD	L=340.71m R=750.00m	L=338.96m	L=613.41m R=1000.00m
VCD	Grade (-1.00%) Tangent Length (267.15) Chainage (161+156.93) Elevation (135.11)		Grade (0.56%) Tangent Length (112.61) Chainage (161+469.54) Elevation (135.29)
P.G.L	160+985 137.069	161+000 136.679	161+636 137.069
N.S.L	160+985 131.229	161+000 131.330	161+636 137.069
CH	160+985 131.229	161+000 131.330	161+636 137.069

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

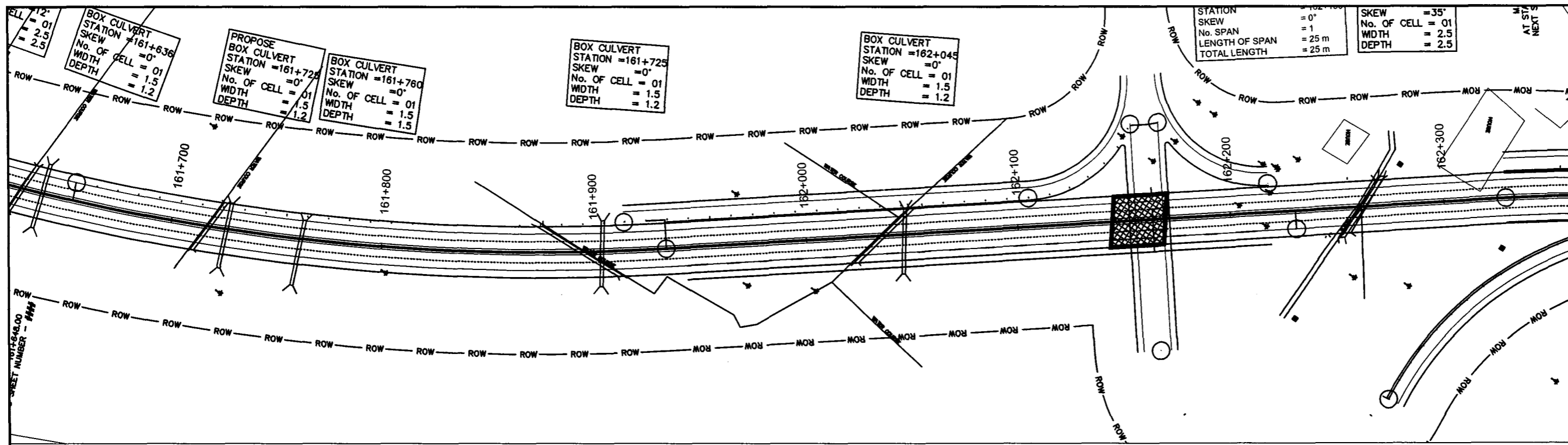
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
160+961.00 - 161+648.00

DESIGN BY:	SHEET NO:
A.S	60 of 170
DRAWN BY:	SCALE: H=1:2000 V=1:100
S.A	
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/III/TD/017



STATION = 162+100
 SKEW = 0°
 No. SPAN = 1
 LENGTH OF SPAN = 25 m
 TOTAL LENGTH = 25 m

SKEW = 35°
 No. OF CELL = 01
 WIDTH = 2.5
 DEPTH = 2.5

BOX CULVERT
 STATION = 161+636
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.2

PROPOSE
 BOX CULVERT
 STATION = 161+725
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.2

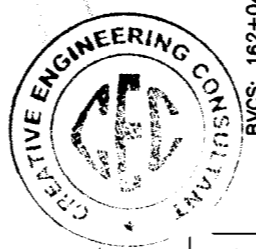
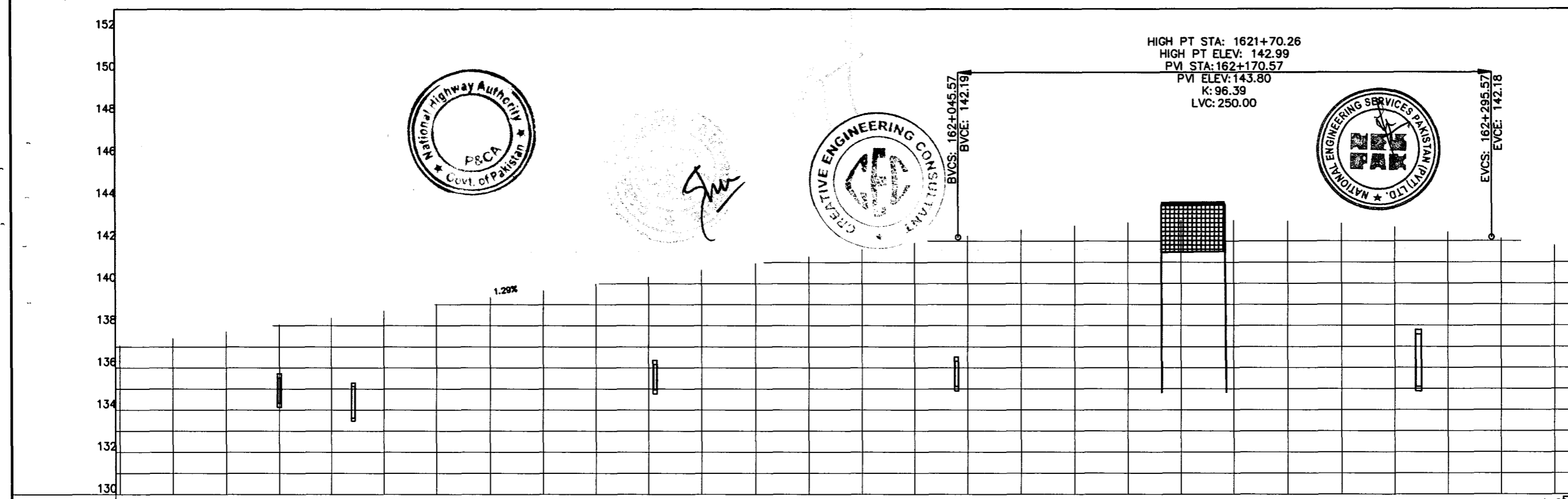
BOX CULVERT
 STATION = 161+760
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.5

BOX CULVERT
 STATION = 161+725
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.2

BOX CULVERT
 STATION = 162+045
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.2

NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHA-DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 km)
 PACKAGE-1
 (Km 121+500 to Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

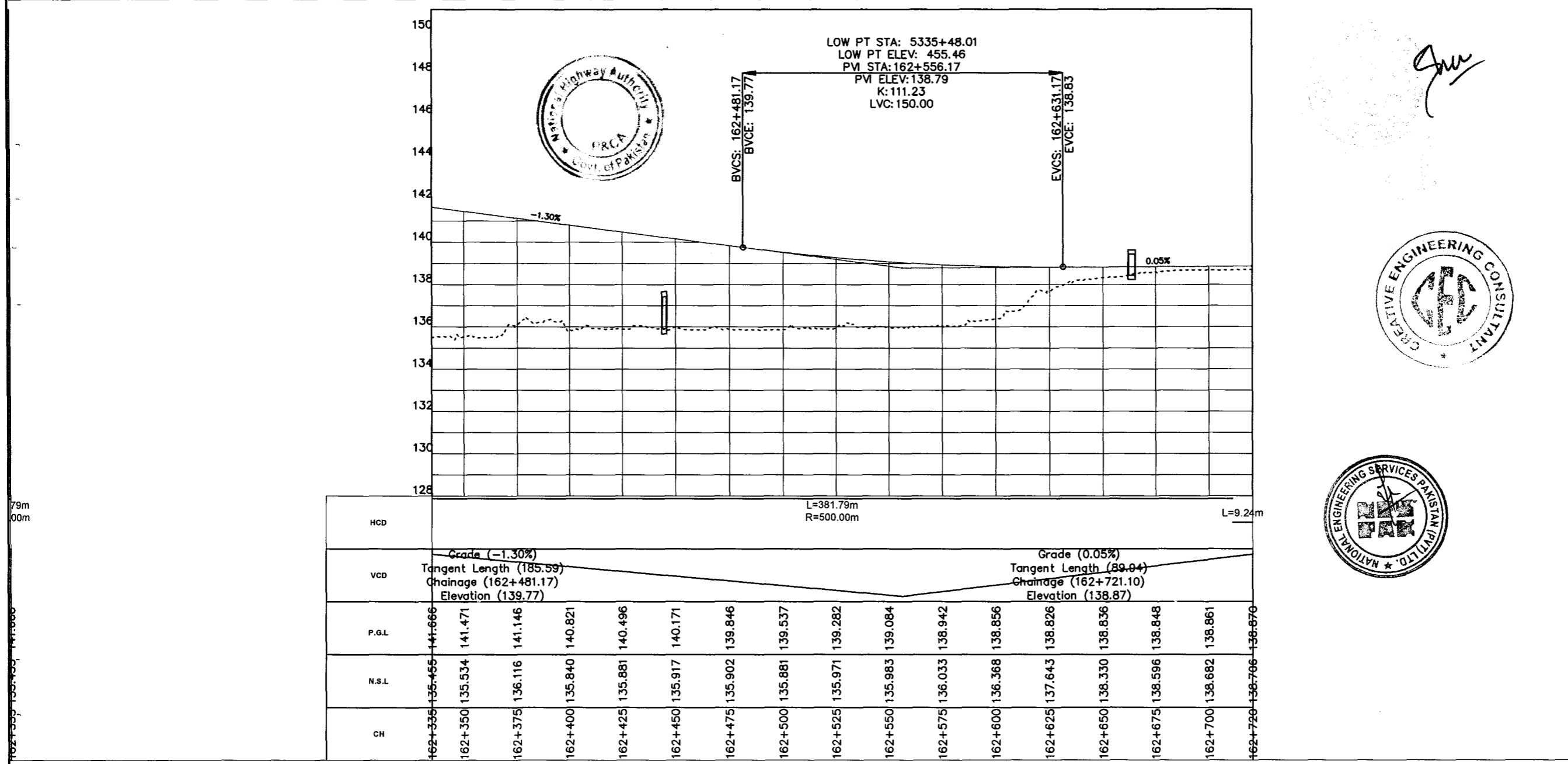
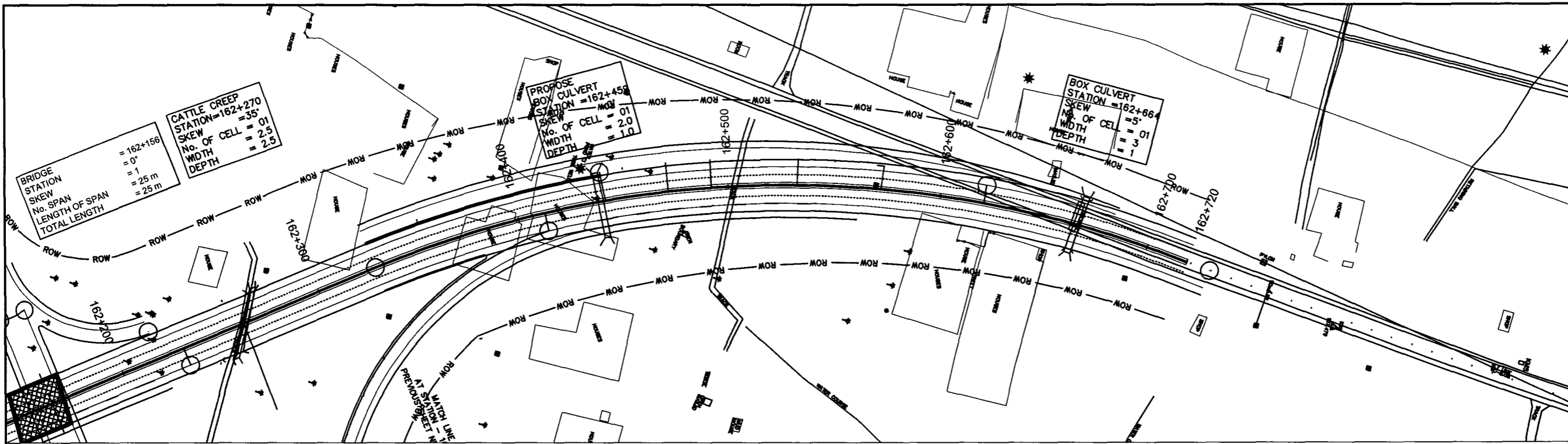
- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 161+648.00 - 162+335.00

DESIGN BY: A.S	SHEET NO: 61 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/TIII/TD/017

HCD	L=613.41m R=1000.00m															L=394.60m R=500														
VCD	Grade (1.29%) Tangent Length (426.04) Chainage (162+045.57) Elevation (142.19)																													
P.G.L	161+636	161+675	161+700	161+725	161+750	161+775	161+800	161+825	161+850	161+875	161+900	161+925	161+950	161+975	162+000	162+025	162+050	162+075	162+100	162+125	162+150	162+175	162+200	162+225	162+250	162+275	162+300	162+325		
N.S.L	133.869	133.655	133.837	133.903	133.603	133.599	133.572	134.343	134.343	134.327	134.576	134.534	134.599	134.685	134.772	134.725	134.807	134.837	134.820	134.809	134.804	134.809	134.501	135.107	135.366	134.906	135.860	135.514		
CH	161+636	161+675	161+700	161+725	161+750	161+775	161+800	161+825	161+850	161+875	161+900	161+925	161+950	161+975	162+000	162+025	162+050	162+075	162+100	162+125	162+150	162+175	162+200	162+225	162+250	162+275	162+300	162+325		



79m
 00m
 162+335
 162+350
 162+375
 162+400
 162+425
 162+450
 162+475
 162+500
 162+525
 162+550
 162+575
 162+600
 162+625
 162+650
 162+675
 162+700
 162+720

HCD	L=381.79m R=500.00m															L=9.24m
VCD	Grade (-1.30%) Tangent Length (185.59) Chainage (162+481.17) Elevation (139.77)							Grade (0.05%) Tangent Length (89.94) Chainage (162+721.10) Elevation (138.87)								
P.G.L	141.666	141.471	141.146	140.821	140.496	140.171	139.846	139.537	139.282	139.084	138.942	138.856	138.826	138.836	138.848	138.861
N.S.L	135.455	135.534	136.116	135.840	135.881	135.917	135.902	135.881	135.971	135.983	136.033	136.368	137.643	138.330	138.596	138.682
CH	162+335	162+350	162+375	162+400	162+425	162+450	162+475	162+500	162+525	162+550	162+575	162+600	162+625	162+650	162+675	162+700

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

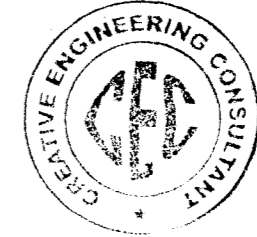
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

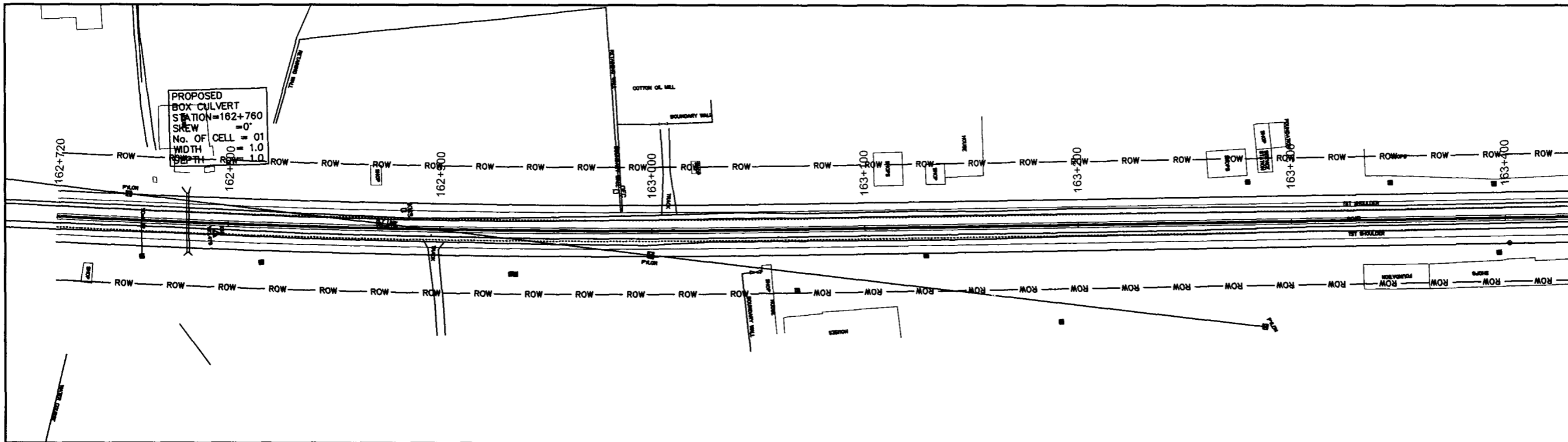
CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
162+335.00 - 162+720.10

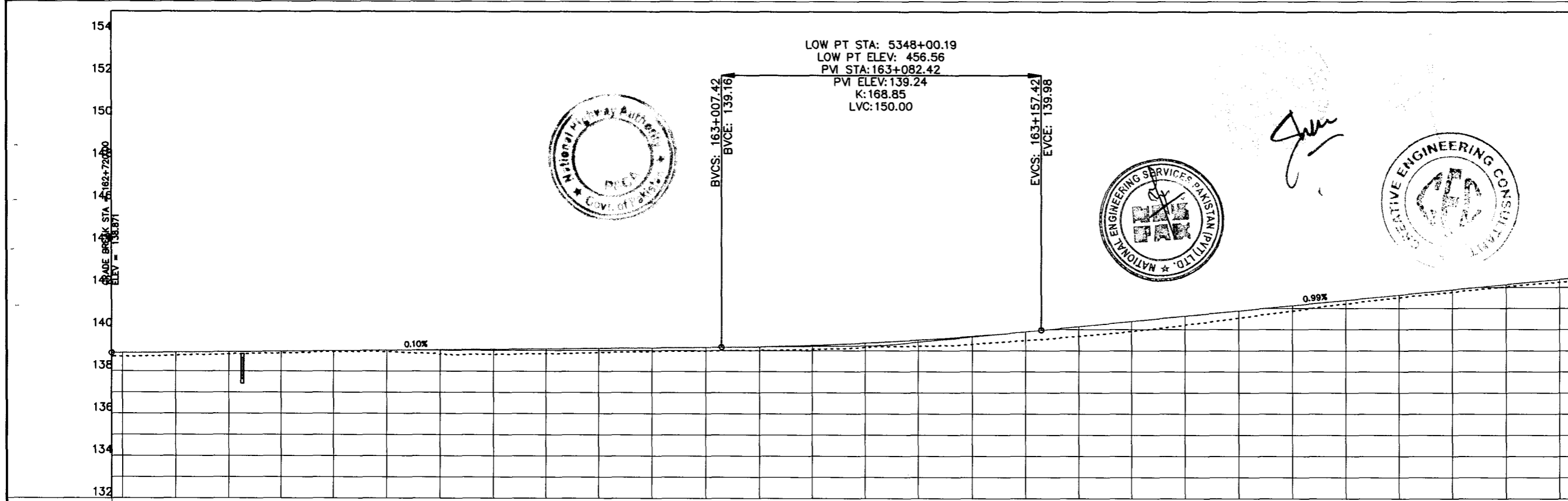
DESIGN BY:	SHEET NO:
A.S	62 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/ITD/017

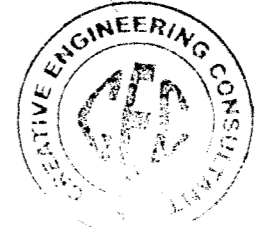




PROPOSED
BOX-CULVERT
STATION=162+760
SHEW = 0°
No. OF CELL = 01
WIDTH = 1.0
DEPTH = 1.0



LOW PT STA: 5348+00.19
LOW PT ELEV: 456.56
PVI STA: 163+082.42
K: 168.85
LVC: 150.00



Signature

Station	Grade (0.10%) Elevation	Grade (0.99%) Elevation
162+720	138.876	138.876
162+725	138.876	138.876
162+750	138.901	138.901
162+775	138.803	138.803
162+800	138.864	138.864
162+825	138.922	138.922
162+850	138.920	138.920
162+875	138.806	138.806
162+900	138.794	138.794
162+925	138.846	138.846
162+950	138.891	138.891
162+975	138.936	138.936
163+000	138.975	138.975
163+025	139.011	139.011
163+050	139.058	139.058
163+075	139.156	139.156
163+100	139.220	139.220
163+125	139.300	139.300
163+150	139.478	139.478
163+175	139.687	139.687
163+200	139.916	139.916
163+225	140.214	140.214
163+250	140.549	140.549
163+275	140.879	140.879
163+300	141.215	141.215
163+325	141.512	141.512
163+350	141.772	141.772
163+375	142.022	142.022
163+400	142.246	142.246

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

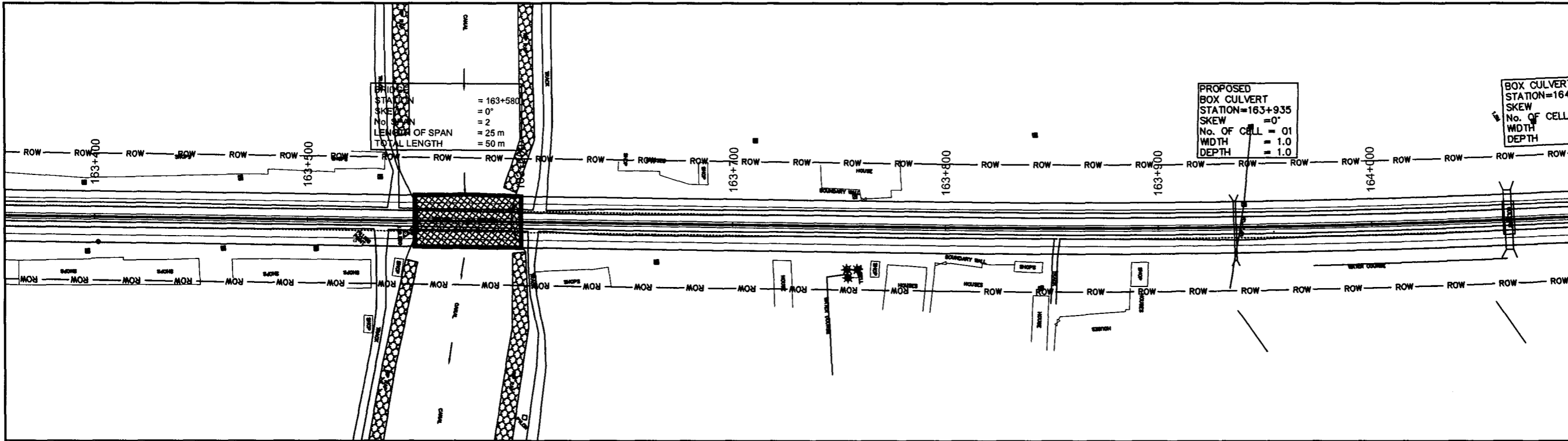
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
162+720.00 - 163+407.00

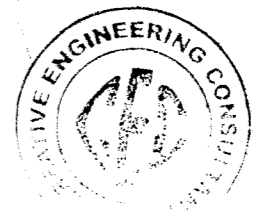
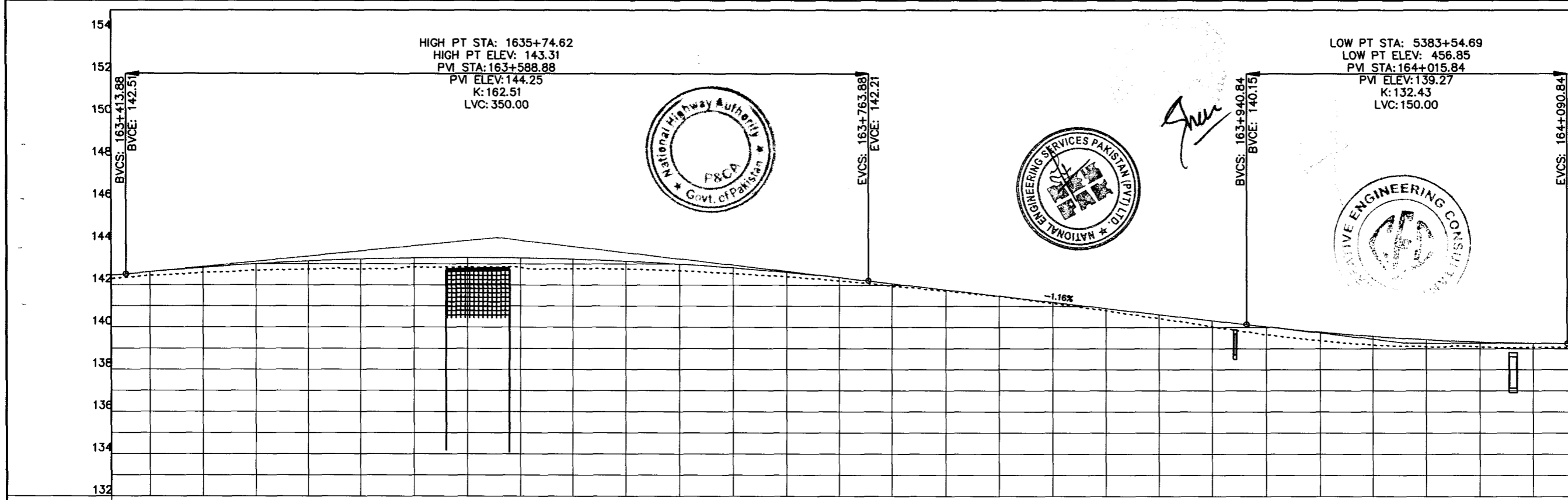
DESIGN BY: S.M	SHEET NO: 63 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/018



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHIELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 163+407.00 - 164+094.00

DESIGN BY: S.M	SHEET NO: 64 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR, 2024
APPROVED BY:	REVISION:

Station	HCD	VCD	P.G.L.	N.S.L.	CH
163+407			142.447	142.291	142.291
163+425			142.621	142.423	142.423
163+450			142.832	142.586	142.586
163+475			143.004	142.693	142.693
163+500			143.138	142.736	142.736
163+525			143.234	142.755	142.755
163+550			143.291	142.841	142.841
163+575			143.310	142.855	142.855
163+600			143.290	142.834	142.834
163+625			143.232	142.779	142.779
163+650			143.135	142.762	142.762
163+675			143.000	142.676	142.676
163+700			142.826	142.553	142.553
163+725			142.614	142.397	142.397
163+750			142.363	142.218	142.218
163+775			142.078	141.954	141.954
163+800			141.787	141.757	141.757
163+825			141.496	141.474	141.474
163+850			141.205	141.150	141.150
163+875			140.914	140.799	140.799
163+900			140.622	140.440	140.440
163+925			140.331	140.026	140.026
163+950			140.043	139.661	139.661
163+975			139.793	139.383	139.383
164+000			139.590	139.179	139.179
164+025			139.434	139.097	139.097
164+050			139.326	139.094	139.094
164+075			139.264	139.063	139.063

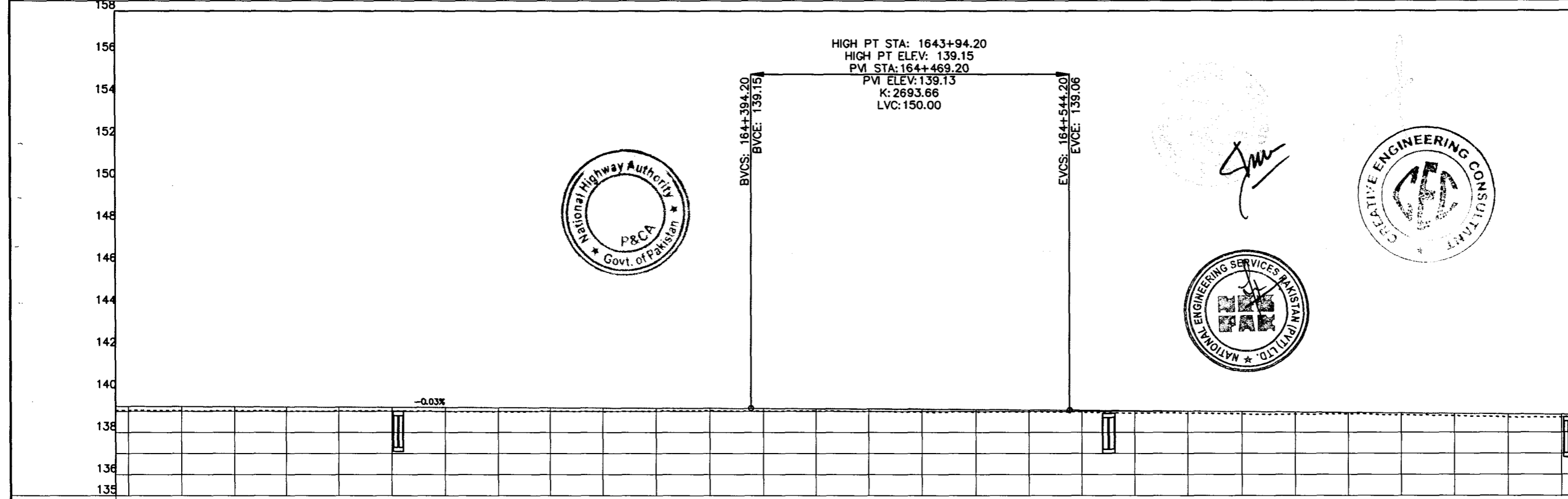
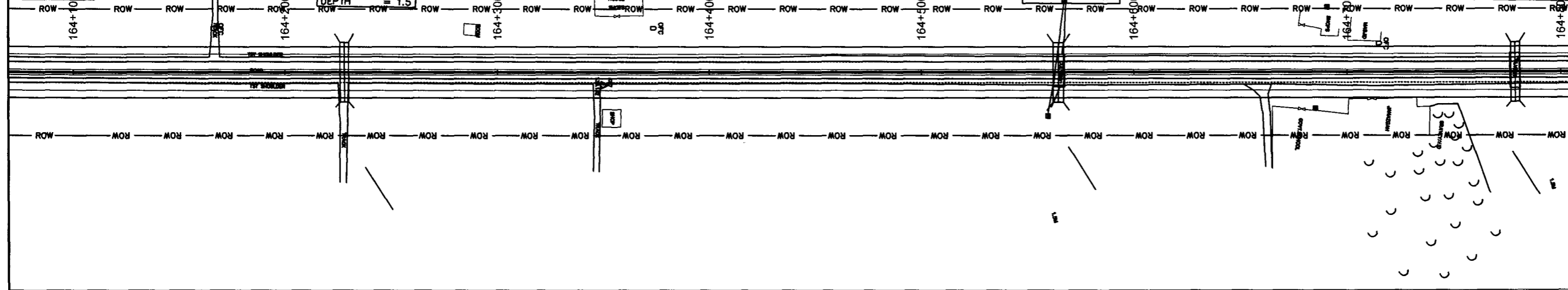
CAD FILE NAME:
 CAREC/T-III/TD/018

BOX CULVERT
STATION=164+065
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.5
DEPTH = 1.5

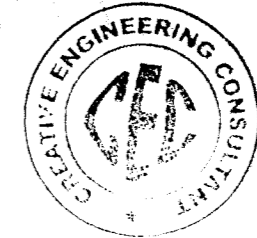
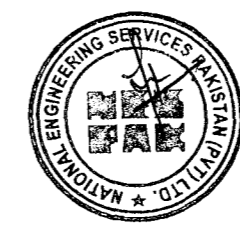
PROPOSED
BOX CULVERT
STATION= 164+234
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERT
STATION= 164+565
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION= 164+779
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.0
DEPTH = 1.5



Station	Grade (-0.03%)	Tangent Length (303.36)	Chainage (164+394.20)	Elevation (139.15)
164+094	139.047	139.249		
164+100	139.048	139.247		
164+125	139.023	139.239		
164+150	139.031	139.231		
164+175	139.020	139.223		
164+200	139.030	139.215		
164+225	139.014	139.207		
164+250	138.996	139.199		
164+275	138.983	139.191		
164+300	139.011	139.183		
164+325	138.986	139.175		
164+350	139.019	139.167		
164+375	139.040	139.159		
164+400	139.008	139.151		
164+425	139.029	139.141		
164+450	138.997	139.129		
164+475	138.966	139.115		
164+500	138.967	139.098		
164+525	138.981	139.079		
164+550	138.959	139.058		
164+575	138.912	139.036		
164+600	138.917	139.014		
164+625	138.879	138.992		
164+650	138.869	138.971		
164+675	138.887	138.949		
164+700	138.830	138.927		
164+725	138.788	138.905		
164+750	138.718	138.883		
164+775	138.716	138.861		
164+781	138.702	138.856		



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

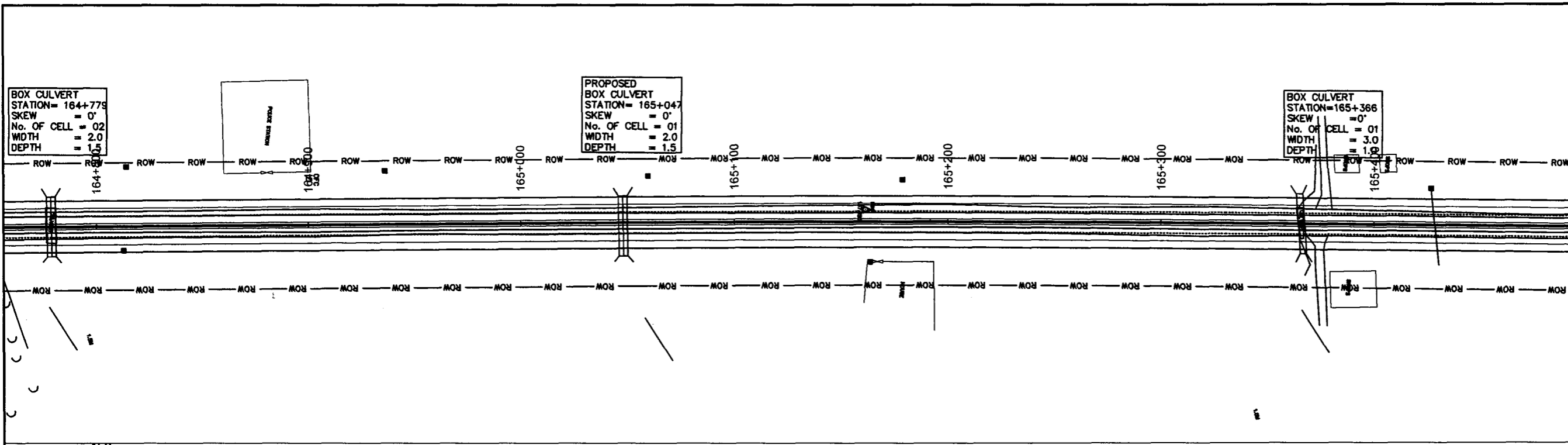
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACB
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
164+094.00 - 164+781.00

DESIGN BY: S.M	SHEET NO: 65 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR. 2024
APPROVED BY:	REVISION:

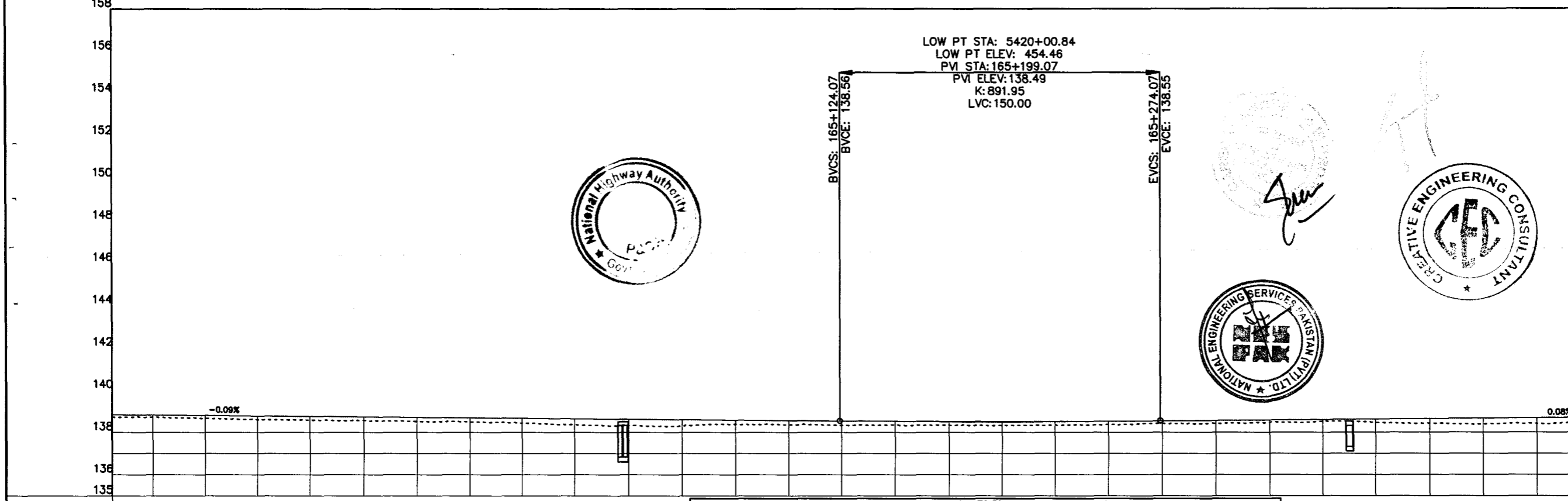
CAD FILE NAME:
CAREC/T-III/TD/018



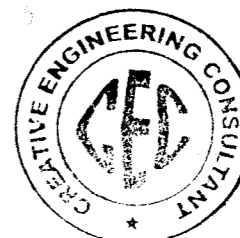
BOX CULVERT
STATION = 164+779
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.0
DEPTH = 1.5

PROPOSED
BOX CULVERT
STATION = 165+047
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERT
STATION = 165+366
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.0
DEPTH = 1.5



LOW PT STA: 5420+00.84
LOW PT ELEV: 454.46
PVI STA: 165+199.07
K: 891.95
LVC: 150.00



Station	164+781	164+800	164+825	164+850	164+875	164+900	164+925	164+950	164+975	165+000	165+025	165+050	165+075	165+100	165+125	165+150	165+175	165+200	165+225	165+250	165+275	165+300	165+325	165+350	165+375	165+400	165+425	165+450
HCD																												
VCD																												
P.G.L	138.656	138.639	138.617	138.795	138.773	138.752	138.730	138.708	138.686	138.664	138.642	138.620	138.598	138.576	138.555	138.536	138.525	138.521	138.524	138.534	138.551	138.571	138.591	138.611	138.631	138.652	138.672	138.692
N.S.L	138.727	138.721	138.670	138.603	138.596	138.576	138.512	138.500	138.438	138.370	138.324	138.312	138.388	138.361	138.345	138.357	138.349	138.326	138.352	138.356	138.430	138.420	138.475	138.516	138.452	138.427	138.379	138.410
CH	164+781	164+800	164+825	164+850	164+875	164+900	164+925	164+950	164+975	165+000	165+025	165+050	165+075	165+100	165+125	165+150	165+175	165+200	165+225	165+250	165+275	165+300	165+325	165+350	165+375	165+400	165+425	165+450

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

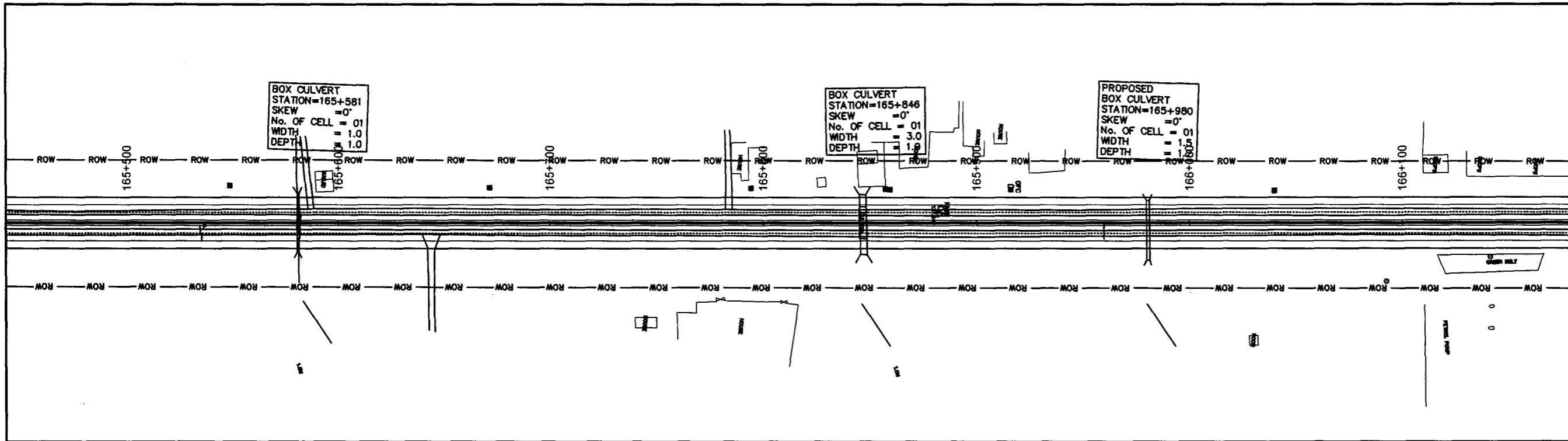
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT Sdn Bhd
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
164+781.00 - 165+468.00

DESIGN BY: S.M	SHEET NO: 66 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR, 2024
APPROVED BY:	REVISION:

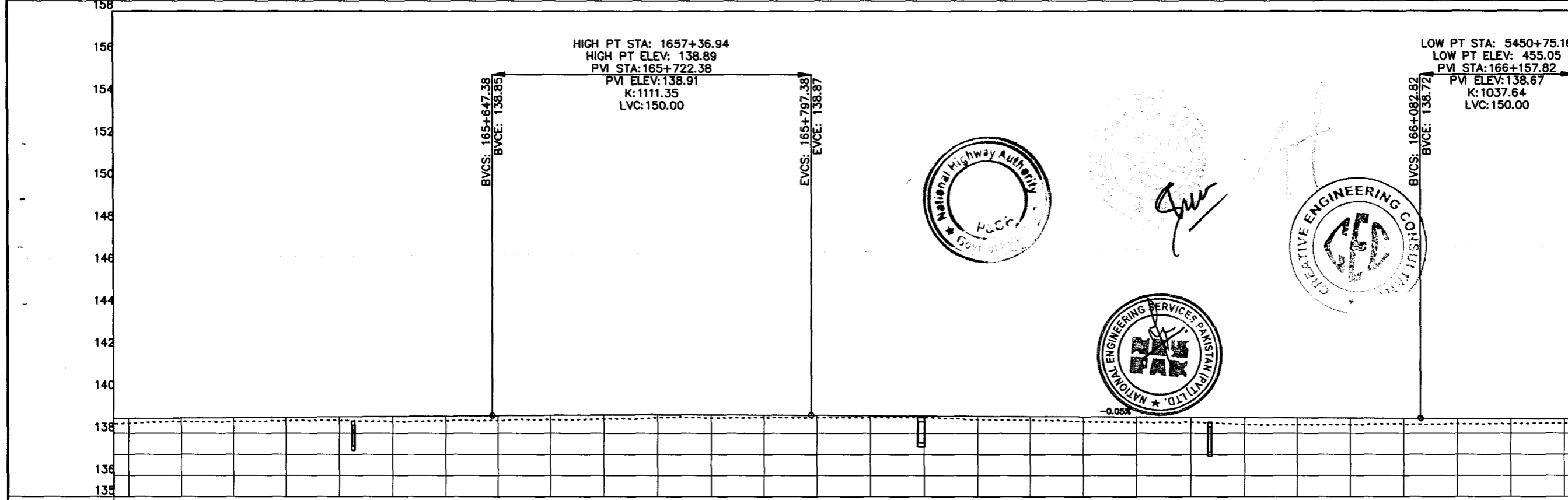
CAD FILE NAME:
CAREC/T-III/TD/018



BOX CULVERT
 STATION=165+581
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.0
 DEPTH = 1.0

BOX CULVERT
 STATION=165+846
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 3.0
 DEPTH = 1.0

PROPOSED
 BOX CULVERT
 STATION=165+980
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.0
 DEPTH = 1.0



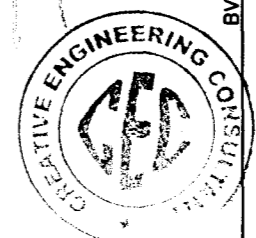
HIGH PT STA: 1657+36.94
 HIGH PT ELEV: 138.89
 PVI STA: 165+722.38
 PVI ELEV: 138.91
 K: 1111.35
 LVC: 150.00

LOW PT STA: 5450+75.16
 LOW PT ELEV: 455.05
 PVI STA: 166+157.82
 PVI ELEV: 138.67
 K: 1037.64
 LVC: 150.00

BVCS: 165+647.38
 BVCE: 138.85

EVCS: 165+797.38
 EVCE: 138.87

BVCS: 166+082.82
 BVCE: 138.72



L=1214.27m

Grade (-0.05%)
 Tangent Length (285.44)
 Chainage (166+082.82)
 Elevation (138.72)

Station	HCD	VCD	P.G.L	N.S.L	CH
165+468			138.796	138.456	
165+475			138.712	138.477	
165+500			138.732	138.549	
165+525			138.752	138.576	
165+550			138.773	138.602	
165+575			138.793	138.608	
165+600			138.813	138.566	
165+625			138.833	138.610	
165+650			138.853	138.619	
165+675			138.870	138.651	
165+700			138.881	138.679	
165+725			138.886	138.743	
165+750			138.886	138.726	
165+775			138.881	138.747	
165+800			138.869	138.750	
165+825			138.856	138.764	
165+850			138.842	138.756	
165+875			138.828	138.653	
165+900			138.815	138.635	
165+925			138.801	138.567	
165+950			138.788	138.522	
165+975			138.774	138.529	
166+000			138.760	138.419	
166+025			138.747	138.425	
166+050			138.733	138.410	
166+075			138.720	138.443	
166+100			138.708	138.455	
166+125			138.701	138.455	
166+150			138.701	138.477	

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

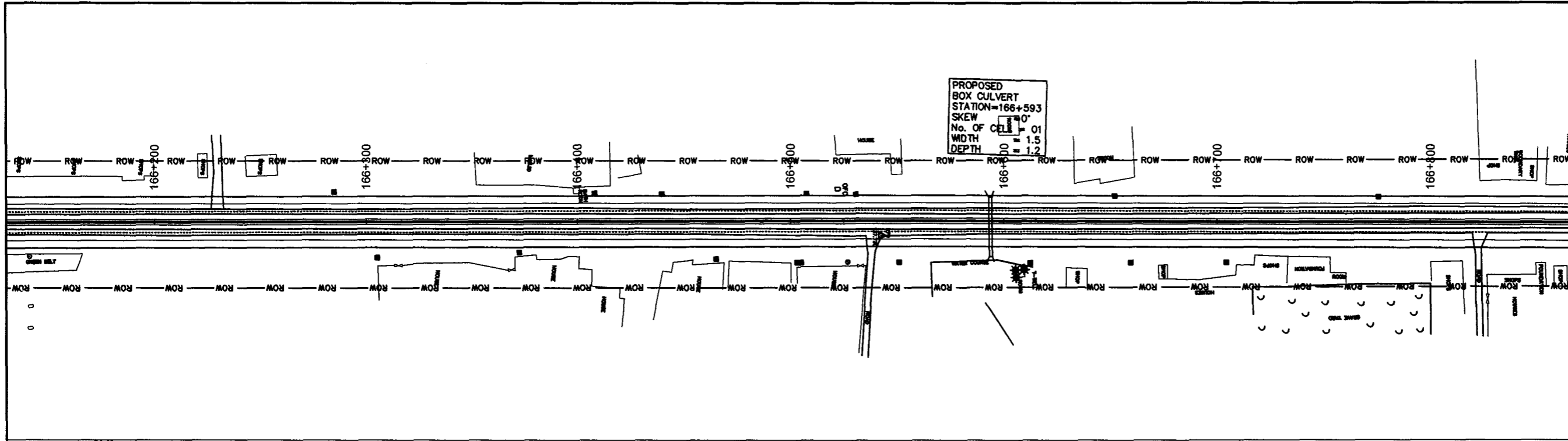
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

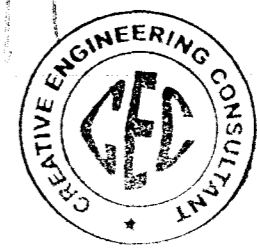
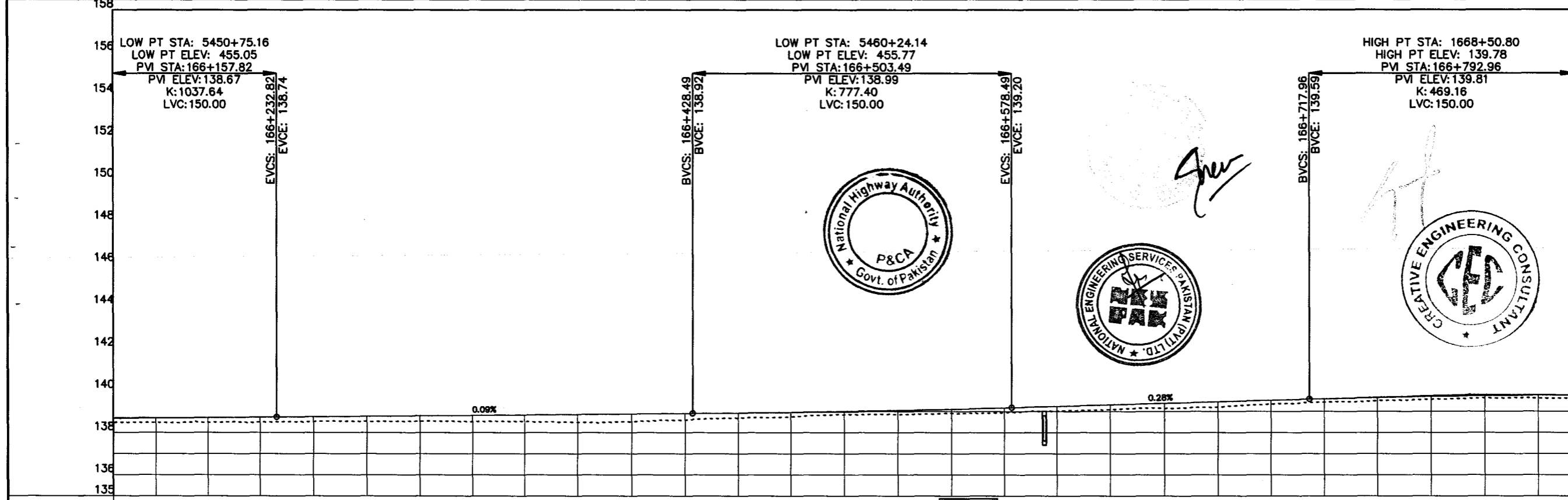
DRAWING TITLE:
 PLAN & PROFILE
 165+468.00 - 166+155.00

DESIGN BY: S.M	SHEET NO: 67 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/018



PROPOSED
BOX CULVERT
STATION=166+593
SKEW 0°
No. OF CELLS 01
WIDTH 1.5
DEPTH 1.2



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

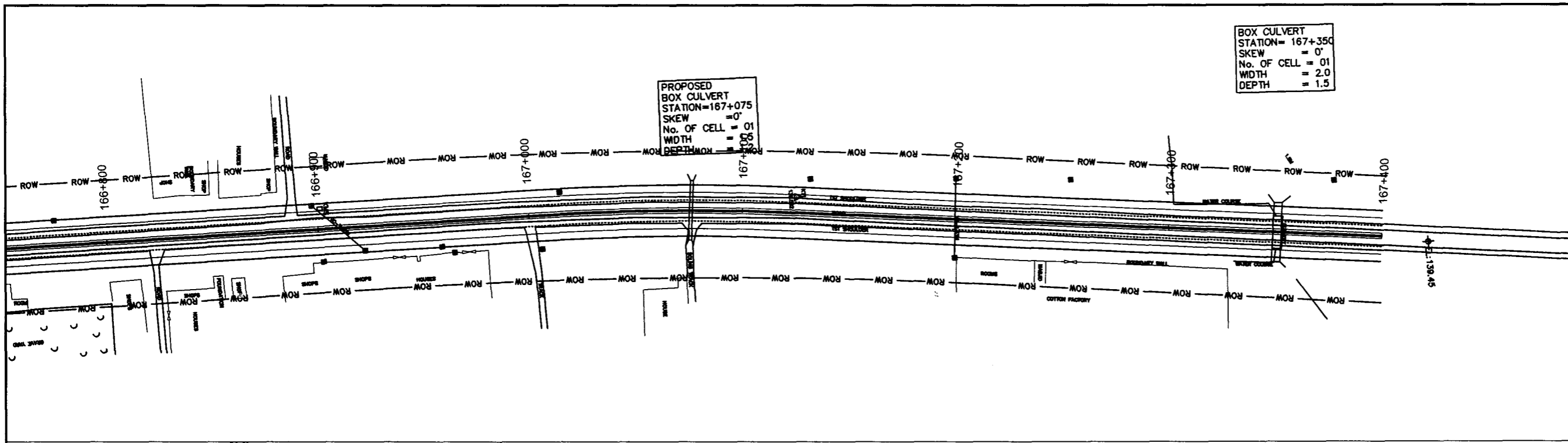
CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACC

DRAWING TITLE:
PLAN & PROFILE
166+155.00 - 166+842.00

DESIGN BY: S.M	SHEET NO: 68 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/018

Station	HCD	VCD	P.G.L	N.S.L	SH
166+155	L=1214.27m	Grade (0.09%) Tangent Length (195.67) Chainage (166+428.49) Elevation (138.92)	138.701	138.471	138.701
166+175			138.706	138.478	138.706
166+200	L=27.33m R=5000.00m	Grade (0.28%) Tangent Length (139.47) Chainage (166+717.96) Elevation (139.59)	138.718	138.492	138.718
166+225			138.736	138.493	138.736
166+250	L=437.85m		138.758	138.523	138.758
166+275			138.780	138.531	138.780
166+300			138.803	138.545	138.803
166+325			138.825	138.515	138.825
166+350			138.848	138.521	138.848
166+375			138.871	138.495	138.871
166+400			138.893	138.518	138.893
166+425			138.916	138.603	138.916
166+450			138.941	138.691	138.941
166+475			138.975	138.754	138.975
166+500			139.016	138.861	139.016
166+525			139.066	138.875	139.066
166+550			139.123	138.922	139.123
166+575			139.189	138.953	139.189
166+600			139.260	139.020	139.260
166+625			139.330	139.091	139.330
166+650			139.401	139.147	139.401
166+675			139.472	139.217	139.472
166+700			139.543	139.355	139.543
166+725			139.613	139.444	139.613
166+750			139.673	139.505	139.673
166+775			139.720	139.564	139.720
166+800			139.754	139.635	139.754
166+825			139.775	139.635	139.775



BOX CULVERT
 STATION= 167+350
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

PROPOSED
 BOX CULVERT
 STATION=167+075
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

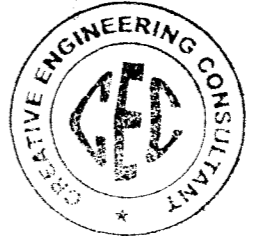
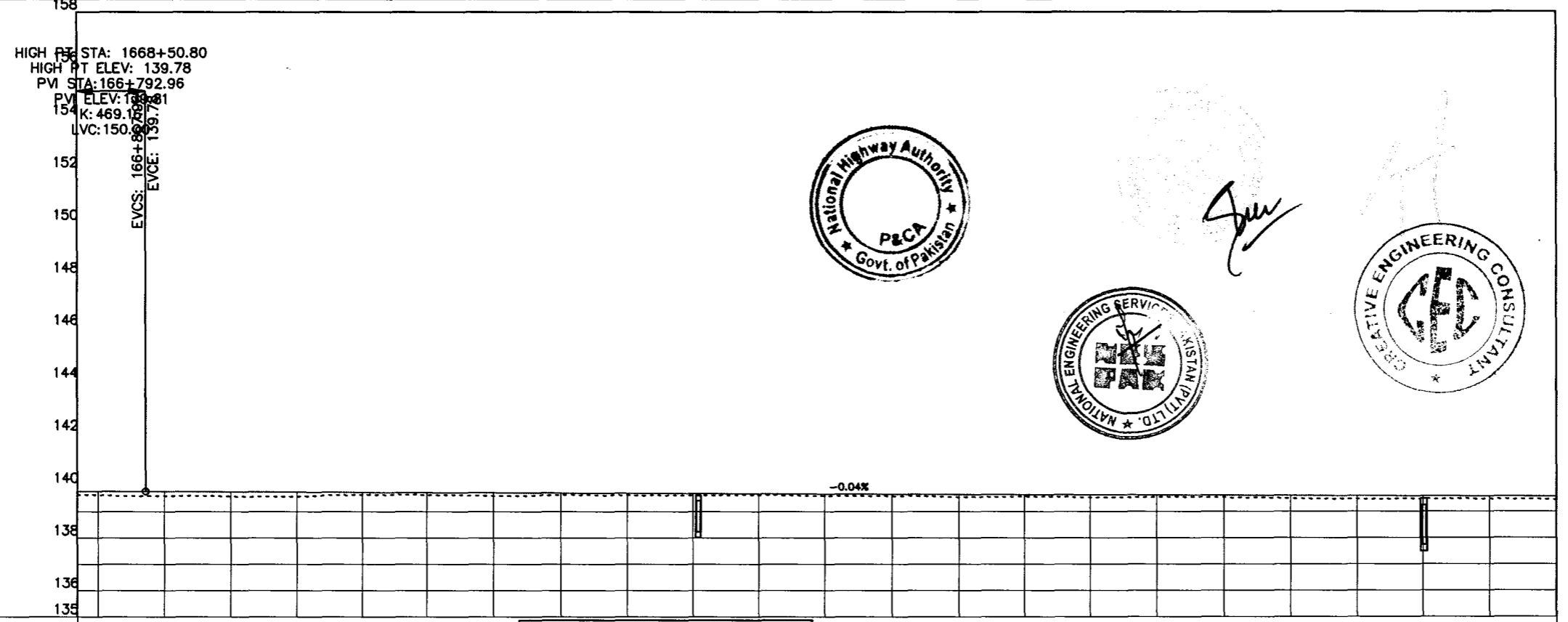
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

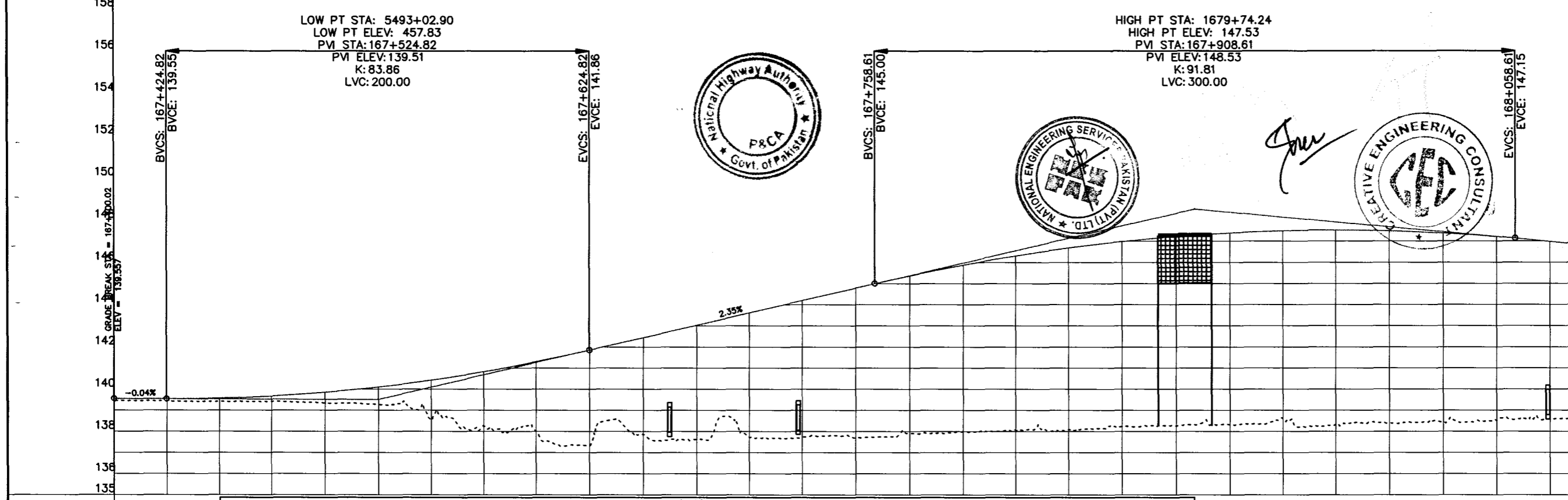
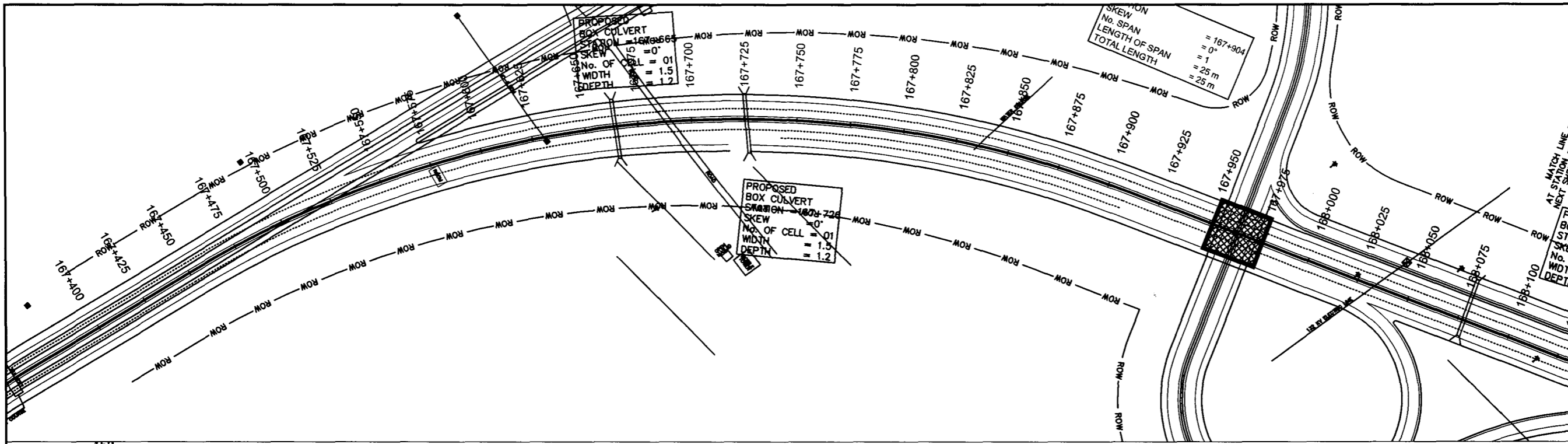
DRAWING TITLE:
 PLAN & PROFILE
 166+842.00 - 167+400.00

DESIGN BY: S.M	SHEET NO: 69 of 170
DRAWN BY: S.M	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: MAR, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/018



Station	166+842	166+850	166+875	166+900	166+925	166+950	166+975	167+000	167+025	167+050	167+075	167+100	167+125	167+150	167+175	167+200	167+225	167+250	167+275	167+300	167+325	167+350	167+375	167+400
HCD	L=437.85m																							
VCD	Grade (-0.04%) Tangent Length (532.03) Chainage (167+400.00) Elevation (139.58)																							
P.G.L	139.791	139.782	139.776	139.767	139.758	139.749	139.739	139.730	139.721	139.712	139.703	139.694	139.684	139.675	139.666	139.657	139.648	139.639	139.630	139.620	139.611	139.602	139.593	139.584
N.S.L	139.634	139.636	139.602	139.581	139.576	139.648	139.632	139.608	139.649	139.632	139.619	139.638	139.599	139.586	139.548	139.579	139.538	139.556	139.553	139.504	139.479	139.494	139.477	139.442
CH	166+842	166+850	166+875	166+900	166+925	166+950	166+975	167+000	167+025	167+050	167+075	167+100	167+125	167+150	167+175	167+200	167+225	167+250	167+275	167+300	167+325	167+350	167+375	167+400



HCD	L=50.27m		L=458.23m R=500.00m																L=451.15m									
VCD	Grade (-0.04%) Tangent Length (24.80) Chainage (167+424.82) Elevation (139.55)								Grade (2.35%) Tangent Length (133.79) Chainage (167+758.61) Elevation (145.00)																			
P.G.L	167+400	167+425	167+450	167+475	167+500	167+525	167+550	167+575	167+600	167+625	167+650	167+675	167+700	167+725	167+750	167+775	167+800	167+825	167+850	167+875	167+900	167+925	167+950	167+975	168+000	168+025	168+050	168+075
N.S.L	139.469	139.434	139.421	139.419	139.352	139.270	138.561	138.255	137.969	137.315	137.864	137.620	137.719	137.718	137.710	137.910	137.980	138.072	138.089	138.214	138.266	138.322	138.601	138.298	138.402	138.465	138.519	138.598
SH	139.548	139.577	139.680	139.858	140.110	140.437	140.838	141.314	141.864	142.452	143.039	143.626	144.213	144.800	145.373	145.881	146.322	146.694	146.998	147.234	147.402	147.503	147.534	147.498	147.394	147.222	146.996	

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

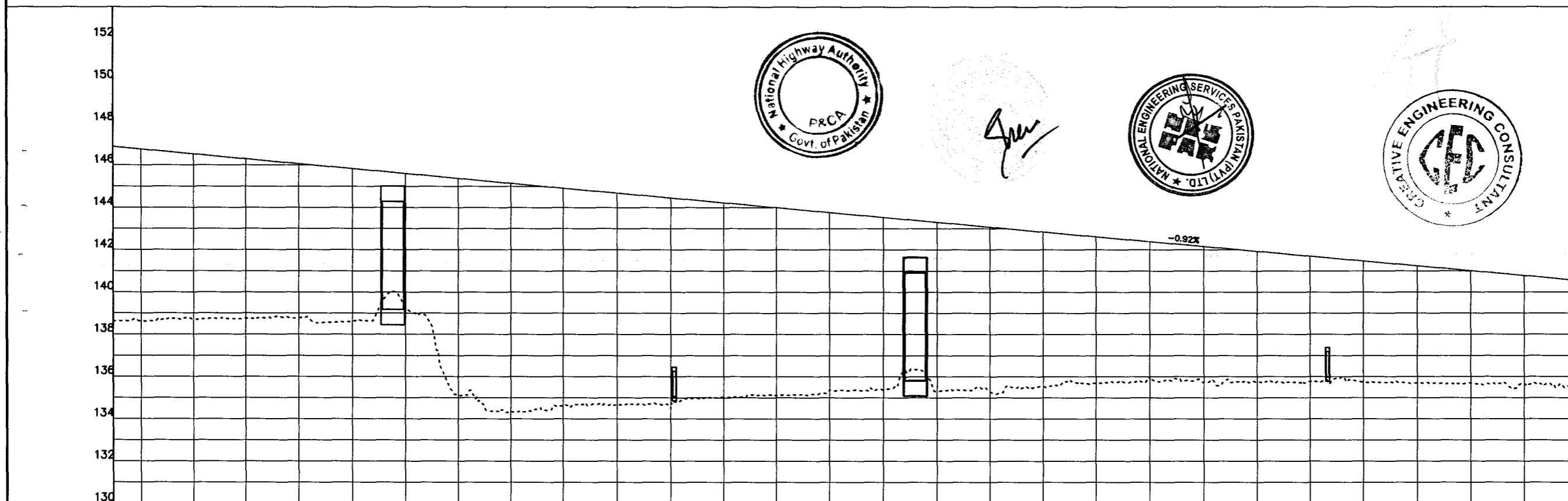
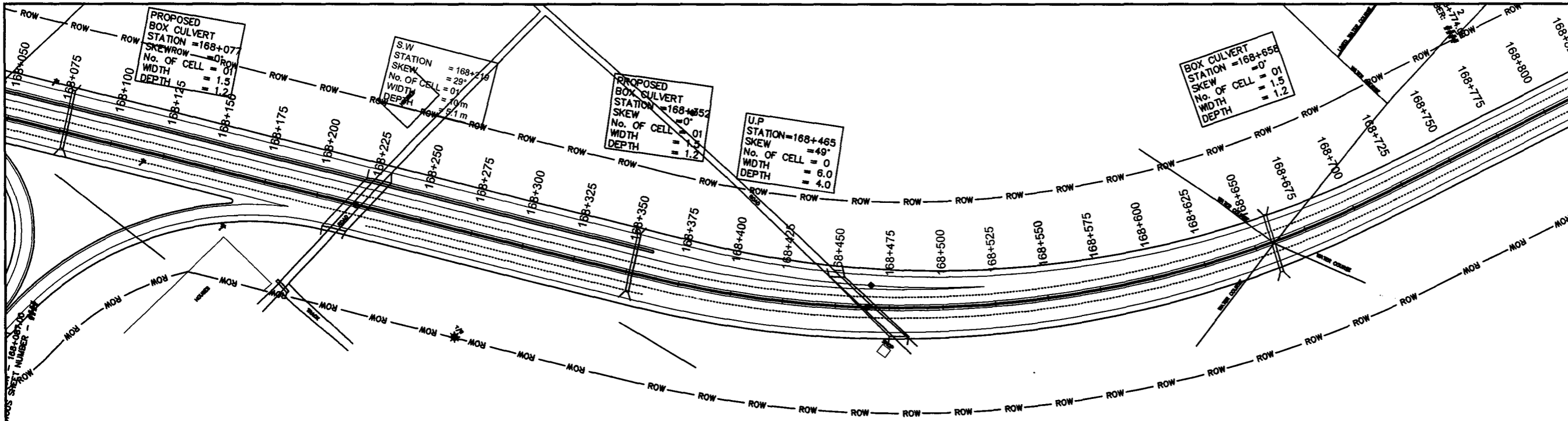
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With SAMAN CORPORATION
 - SHELDIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
167+400.00 - 168+087.00

DESIGN BY:	SHEET NO:
A.S	70 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/17D/019



HCD	L=451.15m																L=359.39m R=500.00m																L=1071.89m																							
VCD	Grade (-0.92%) Tangent Length (1063.64) Chainage (169+122.25) Elevation (137.37)																																																							
P.G.L	168+087	168+100	168+125	168+150	168+175	168+200	168+225	168+250	168+275	168+300	168+325	168+350	168+375	168+400	168+425	168+450	168+475	168+500	168+525	168+550	168+575	168+600	168+625	168+650	168+675	168+700	168+725	168+750	168+087	168+100	168+125	168+150	168+175	168+200	168+225	168+250	168+275	168+300	168+325	168+350	168+375	168+400	168+425	168+450	168+475	168+500	168+525	168+550	168+575	168+600	168+625	168+650	168+675	168+700	168+725	168+750
N.S.L	146.886	146.767	146.537	146.307	146.077	145.848	145.618	145.388	145.158	144.929	144.699	144.469	144.239	144.010	143.780	143.550	143.321	143.091	142.861	142.631	142.402	142.172	141.942	141.712	141.483	141.253	141.023	140.793	146.886	146.767	146.537	146.307	146.077	145.848	145.618	145.388	145.158	144.929	144.699	144.469	144.239	144.010	143.780	143.550	143.321	143.091	142.861	142.631	142.402	142.172	141.942	141.712	141.483	141.253	141.023	140.793
CH	168+087	168+100	168+125	168+150	168+175	168+200	168+225	168+250	168+275	168+300	168+325	168+350	168+375	168+400	168+425	168+450	168+475	168+500	168+525	168+550	168+575	168+600	168+625	168+650	168+675	168+700	168+725	168+750	168+087	168+100	168+125	168+150	168+175	168+200	168+225	168+250	168+275	168+300	168+325	168+350	168+375	168+400	168+425	168+450	168+475	168+500	168+525	168+550	168+575	168+600	168+625	168+650	168+675	168+700	168+725	168+750

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

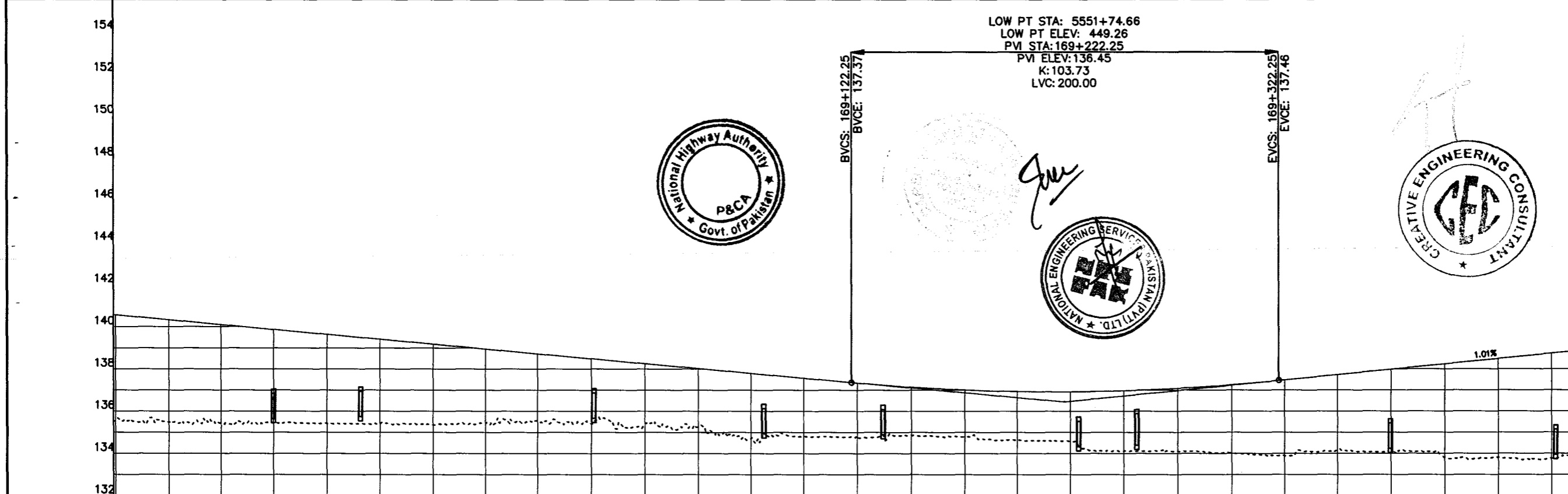
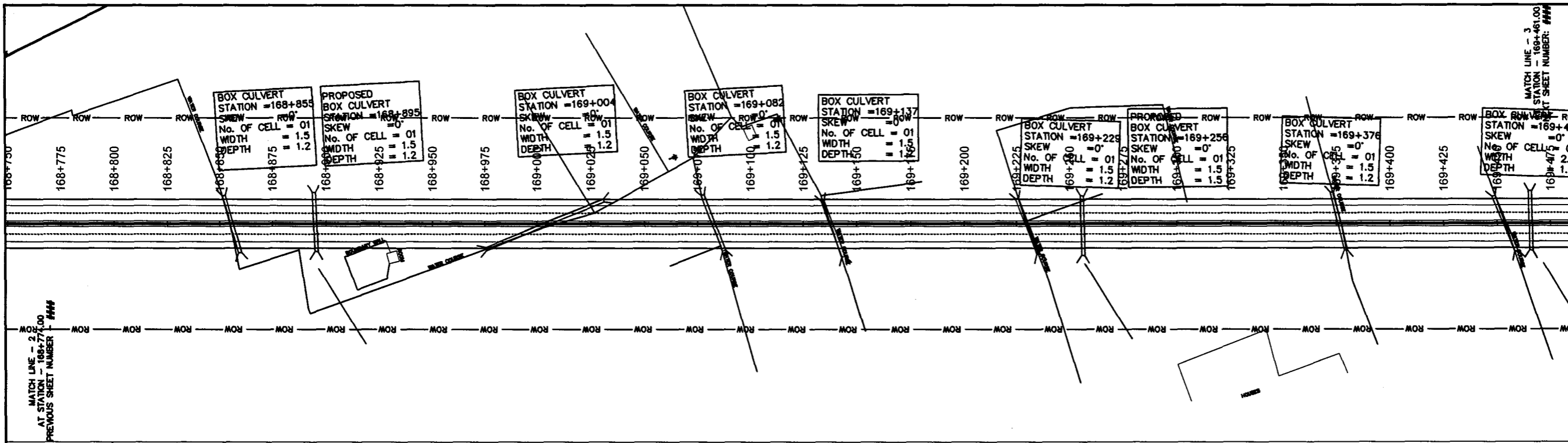
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
168+087.00 - 168+774.00

DESIGN BY: A.S	SHEET NO: 71 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/ITD/019



Station	168+775	168+800	168+825	168+850	168+875	168+900	168+925	168+950	168+975	169+000	169+025	169+050	169+075	169+100	169+125	169+150	169+175	169+200	169+225	169+250	169+275	169+300	169+325	169+350	169+375	169+400	169+425	169+450	
HCD																													
VCD																													
P.G.L	140.567	140.334	140.104	139.875	139.645	139.415	139.185	138.956	138.726	138.496	138.266	138.037	137.807	137.577	137.348	137.115	136.885	136.650	136.417	136.185	135.953	135.722	135.492	135.262	135.032	148.802	148.572	148.342	148.112
N.S.L	135.562	135.492	135.437	135.457	135.416	135.407	135.357	135.425	135.541	135.402	135.433	135.282	134.717	134.810	134.848	134.843	134.798	134.595	134.599	134.106	134.102	134.007	133.884	134.170	134.058	133.795	133.821	133.781	133.752
SH	140.567	140.334	140.104	139.875	139.645	139.415	139.185	138.956	138.726	138.496	138.266	138.037	137.807	137.577	137.348	137.115	136.885	136.650	136.417	136.185	135.953	135.722	135.492	135.262	135.032	148.802	148.572	148.342	148.112

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

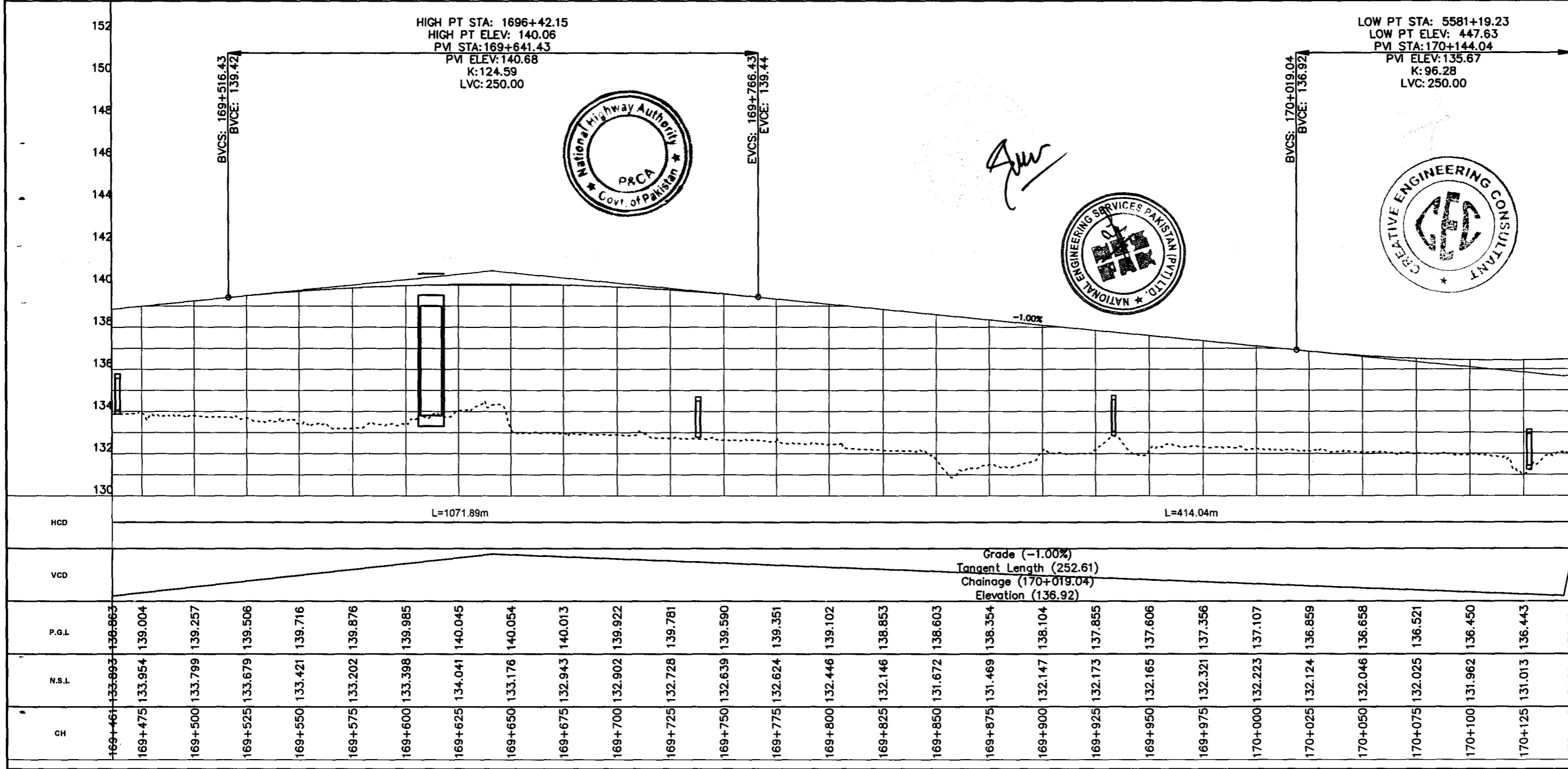
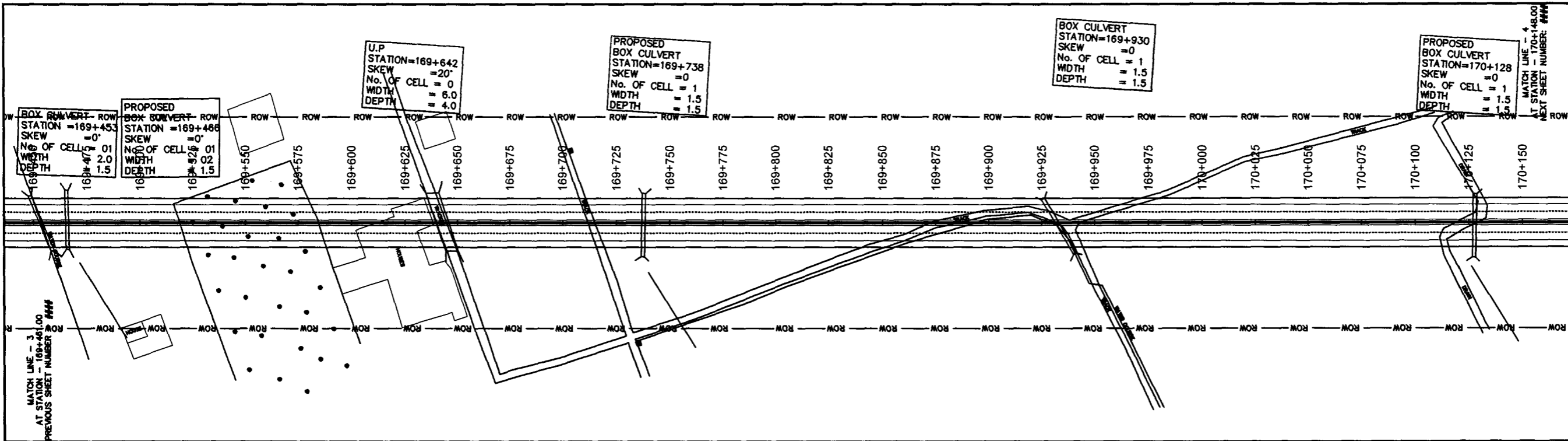
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACB
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
168+774.00 - 169+461.00

DESIGN BY:	SHEET NO:
A.S	72 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/III/TD/019



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

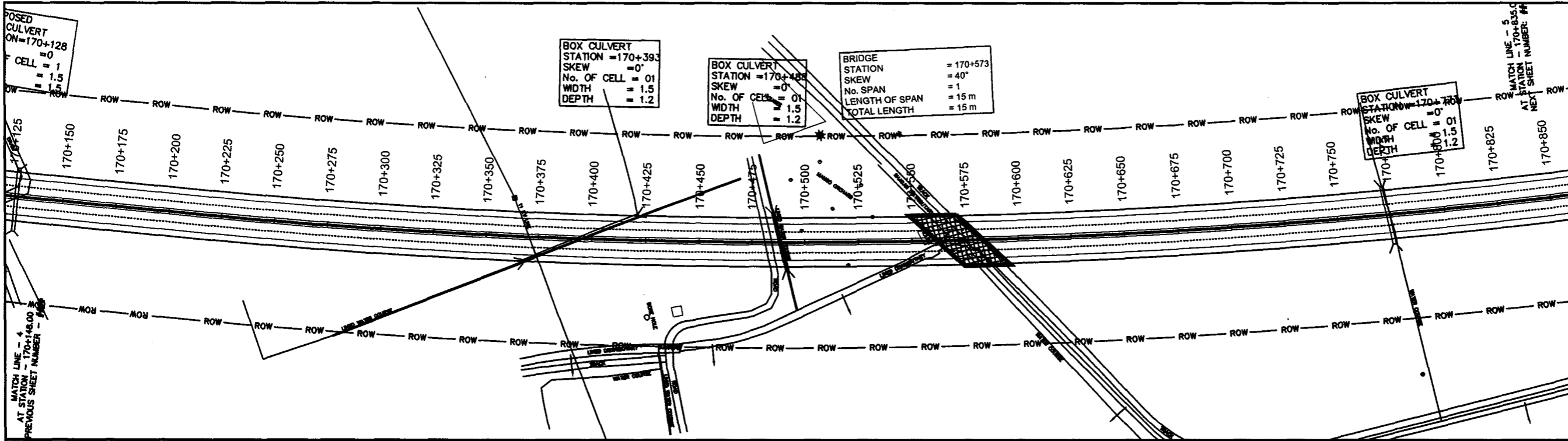
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT, SDN BHD
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
169+461.00 - 170+148.00

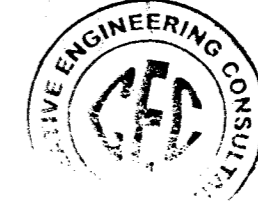
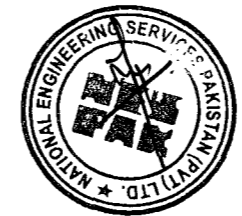
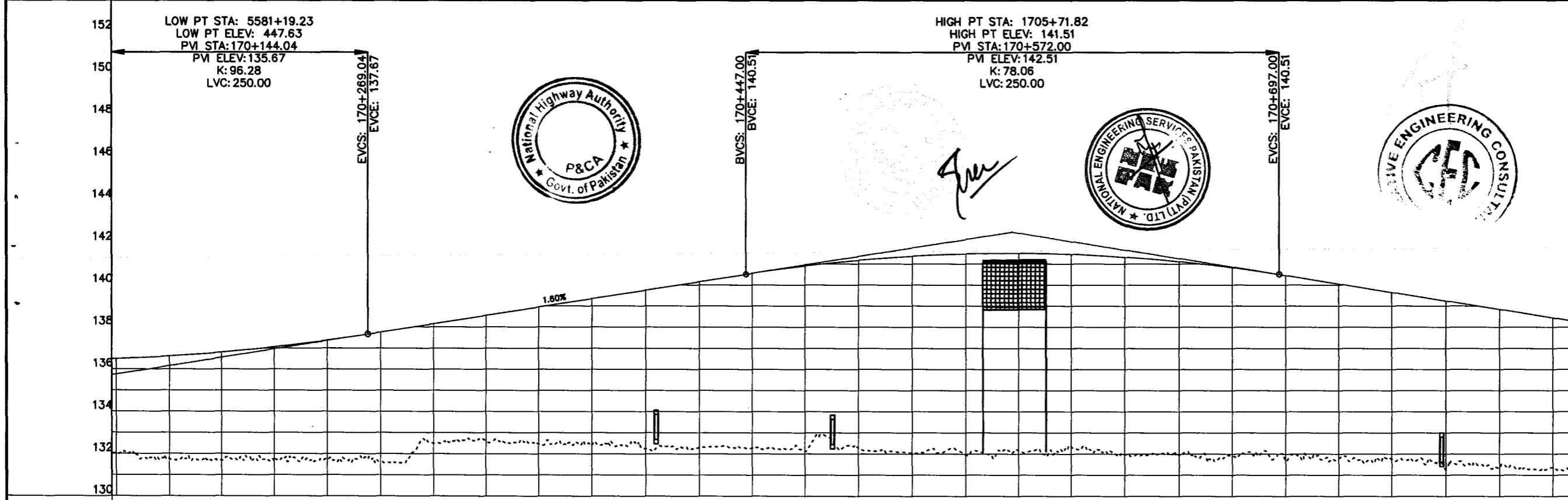
DESIGN BY:	SHEET NO:
A.S	73 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/ITD/019



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

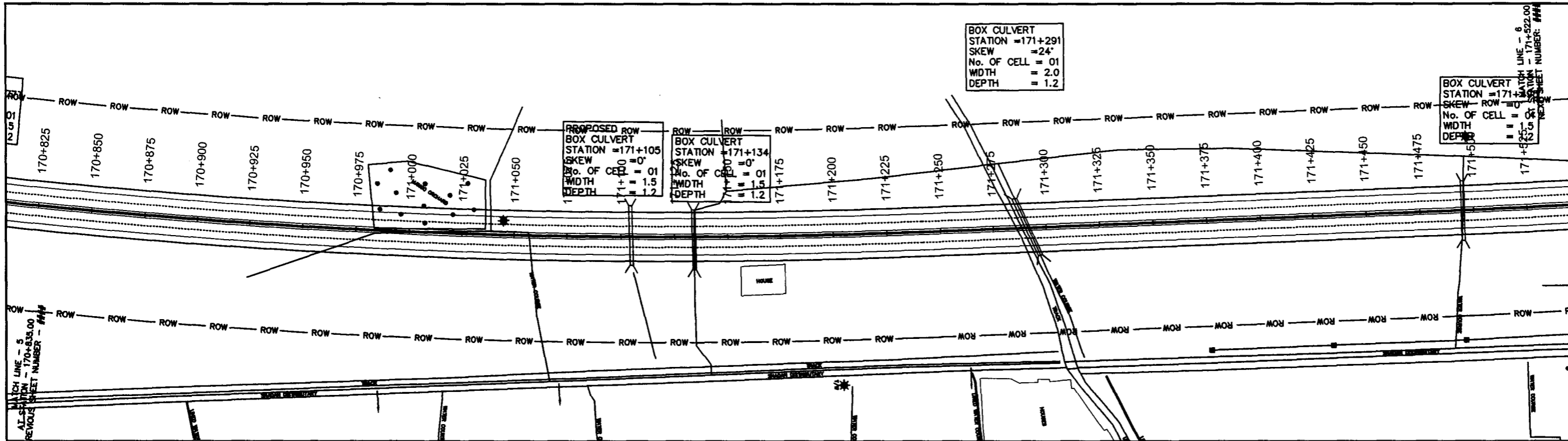
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

HCD	L=414.04m		L=1036.23m R=3000.00m																									
VCD	Grade (1.60%) Tangent Length (177.96) Chainage (170+447.00) Elevation (140.51)		Grade (-1.60%) Tangent Length (278) Chainage (170+975) Elevation (136.94)																									
P.G.L	170+125	170+175	170+200	170+225	170+250	170+275	170+300	170+325	170+350	170+375	170+400	170+425	170+450	170+475	170+500	170+525	170+550	170+575	170+600	170+625	170+650	170+675	170+700	170+725	170+750	170+775	170+800	170+825
N.S.L	136.491	136.624	136.812	137.065	137.383	137.764	138.164	138.564	138.963	139.363	139.763	140.163	140.562	140.912	141.182	141.372	141.482	141.512	141.462	141.331	141.121	140.831	140.461	140.060	139.659	139.258	138.857	138.456
CH	170+125	170+175	170+200	170+225	170+250	170+275	170+300	170+325	170+350	170+375	170+400	170+425	170+450	170+475	170+500	170+525	170+550	170+575	170+600	170+625	170+650	170+675	170+700	170+725	170+750	170+775	170+800	170+825

DRAWING TITLE:
PLAN & PROFILE
170+148.00 - 170+835.00

DESIGN BY:	A.S	SHEET NO:	74 of 170
DRAWN BY:	S.A	SCALE:	H = 1:2000 V = 1:100
CHECKED BY:	A.S	DATE:	APRIL-2024
APPROVED BY:		REVISION:	

CAD FILE NAME:
CAREC/THI/TD/019



BOX CULVERT
 STATION = 171+291
 SKEW = 24°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.2

BOX CULVERT
 STATION = 171+512.83
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.2

PROPOSED ROW
 BOX CULVERT
 STATION = 171+105
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.2

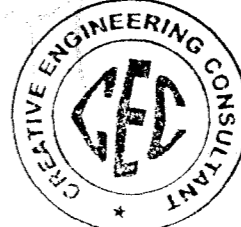
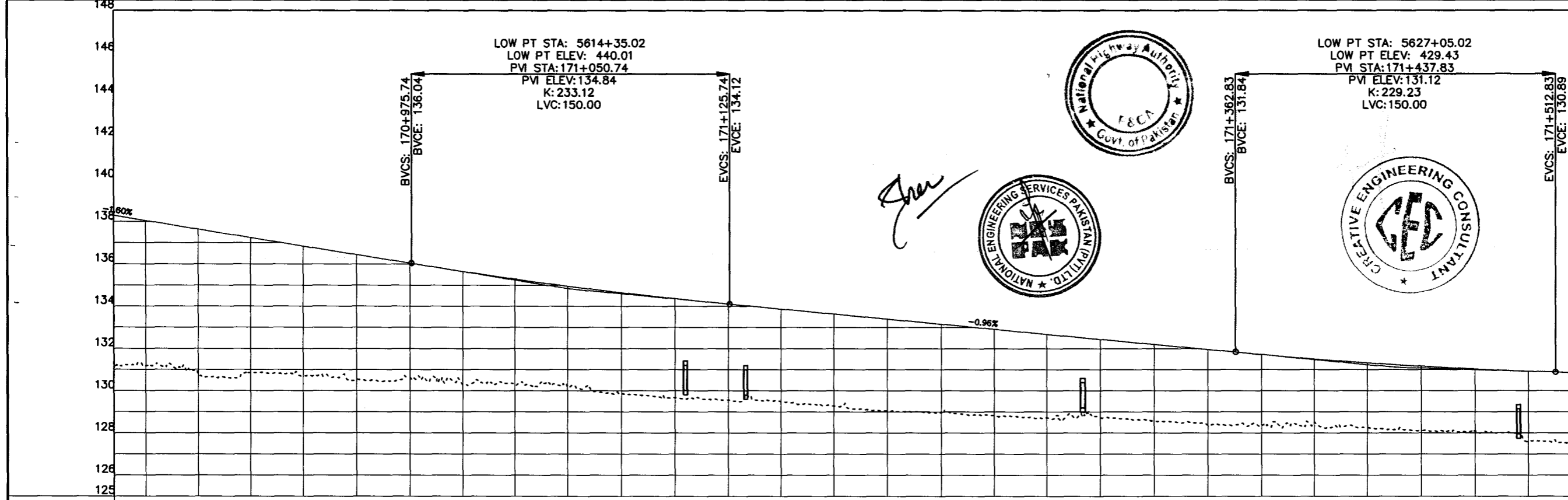
BOX CULVERT
 STATION = 171+134
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.5
 DEPTH = 1.2

AT STATION LINE - 5
 REVISED SHEET NUMBER - 1111

AT STATION LINE - 6
 REVISED SHEET NUMBER - 1111

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Signature

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

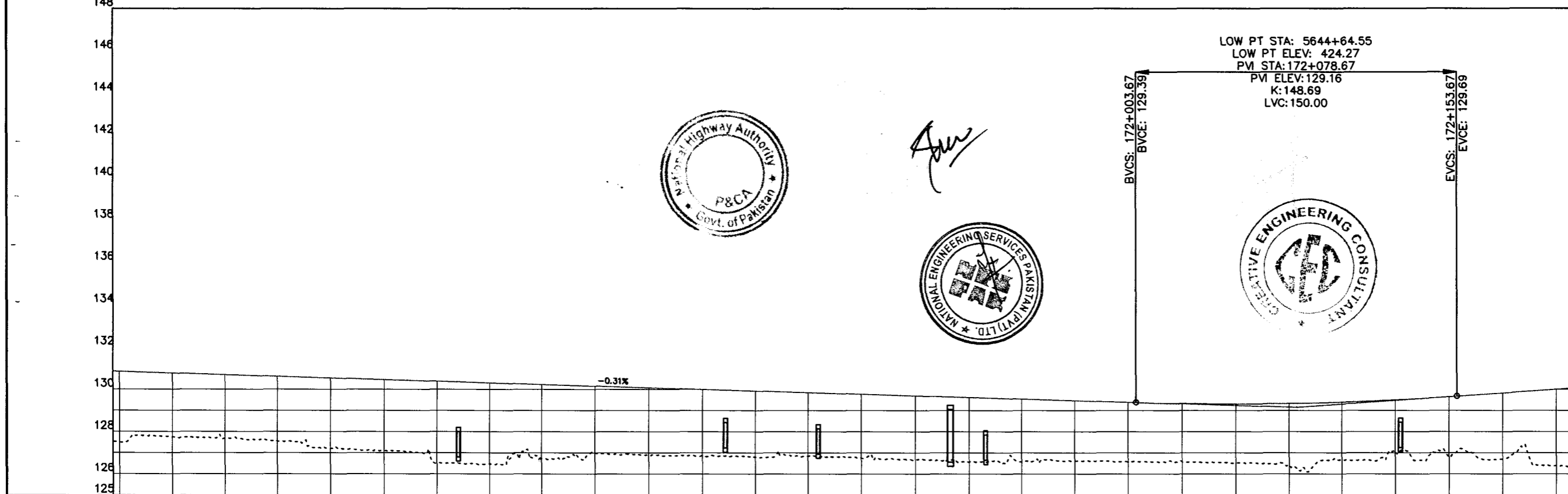
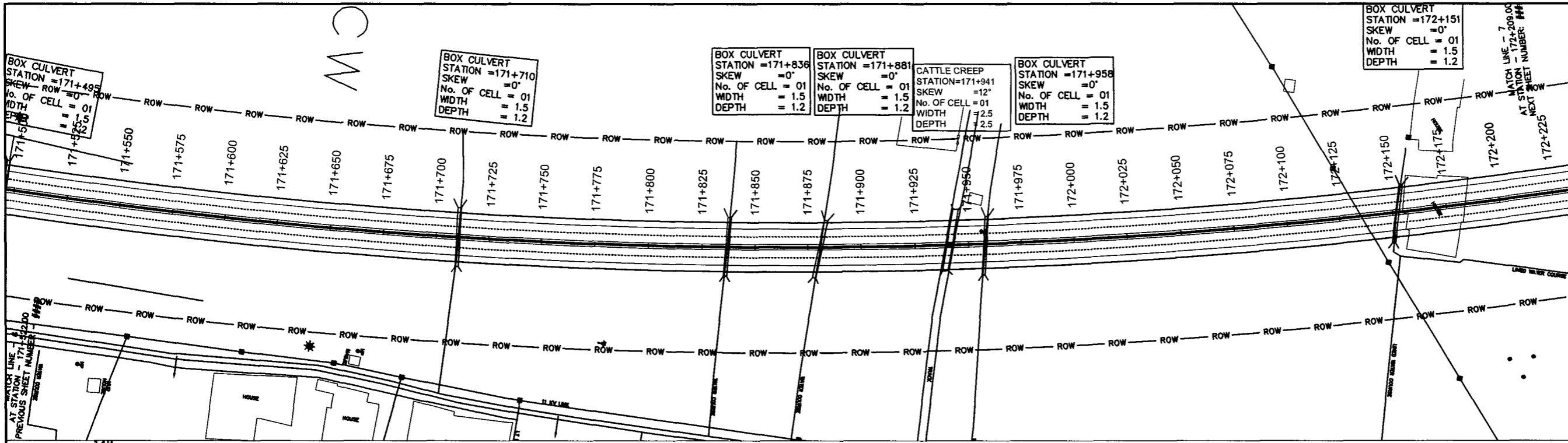
- CONSULTANTS:
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 170+835.00 - 171+522.00

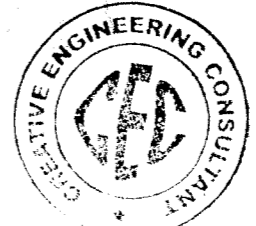
DESIGN BY: A.S	SHEET NO: 75 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/TH/ITD/019

Station	HCD	VCD	P.G.L	N.S.L	CH
170+835			138.996	134.197	
170+850			138.055	131.175	
170+875			137.654	130.749	
170+900			137.253	130.864	
170+925			136.852	130.714	
170+950			136.451	130.545	
170+975			136.051	130.611	
171+000			135.662	130.276	
171+025			135.301	130.287	
171+050			134.966	130.159	
171+075			134.658	129.851	
171+100			134.377	129.681	
171+125			134.123	129.562	
171+150			133.883	129.490	
171+175			133.643	129.274	
171+200			133.403	129.042	
171+225			133.163	128.993	
171+250			132.923	128.833	
171+275			132.683	128.721	
171+300			132.443	128.736	
171+325			132.203	128.578	
171+350			131.962	128.379	
171+375			131.726	128.354	
171+400			131.512	128.514	
171+425			131.327	128.242	
171+450			131.168	128.103	
171+475			131.037	128.098	
171+500			130.933	127.602	
171+525			130.860	127.573	



Station	HCD	VCD	P.G.L.	N.S.L.	SH
171+525			130.862	127.571	130.862
171+550			130.776	127.754	130.776
171+575			130.700	127.675	130.700
171+600			130.623	127.545	130.623
171+625			130.547	127.212	130.547
171+650			130.470	127.085	130.470
171+675			130.394	126.505	130.394
171+700			130.317	126.482	130.317
171+725			130.241	126.729	130.241
171+750			130.164	127.000	130.164
171+775			130.088	126.870	130.088
171+800			130.011	126.865	130.011
171+825			129.935	126.801	129.935
171+850			129.859	126.842	129.859
171+875			129.782	126.749	129.782
171+900			129.706	126.685	129.706
171+925			129.629	126.575	129.629
171+950			129.553	126.576	129.553
171+975			129.476	126.616	129.476
172+000			129.400	126.577	129.400
172+025			129.339	126.560	129.339
172+050			129.319	126.526	129.319
172+075			129.342	126.402	129.342
172+100			129.406	126.628	129.406
172+125			129.513	127.028	129.513
172+150			129.661	126.819	129.661
172+175			129.836	126.711	129.836
172+200			130.012	126.397	130.012



NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

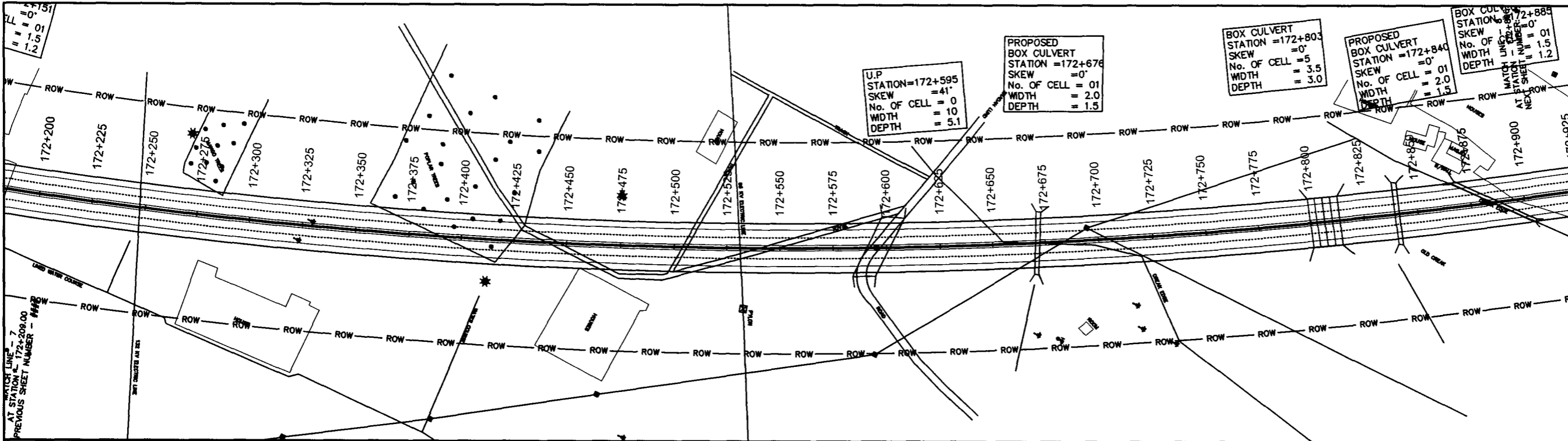
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
171+522.00 - 172+209.00

DESIGN BY:	SHEET NO:
A.S	76 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/ITD/019



NOTES
1: ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

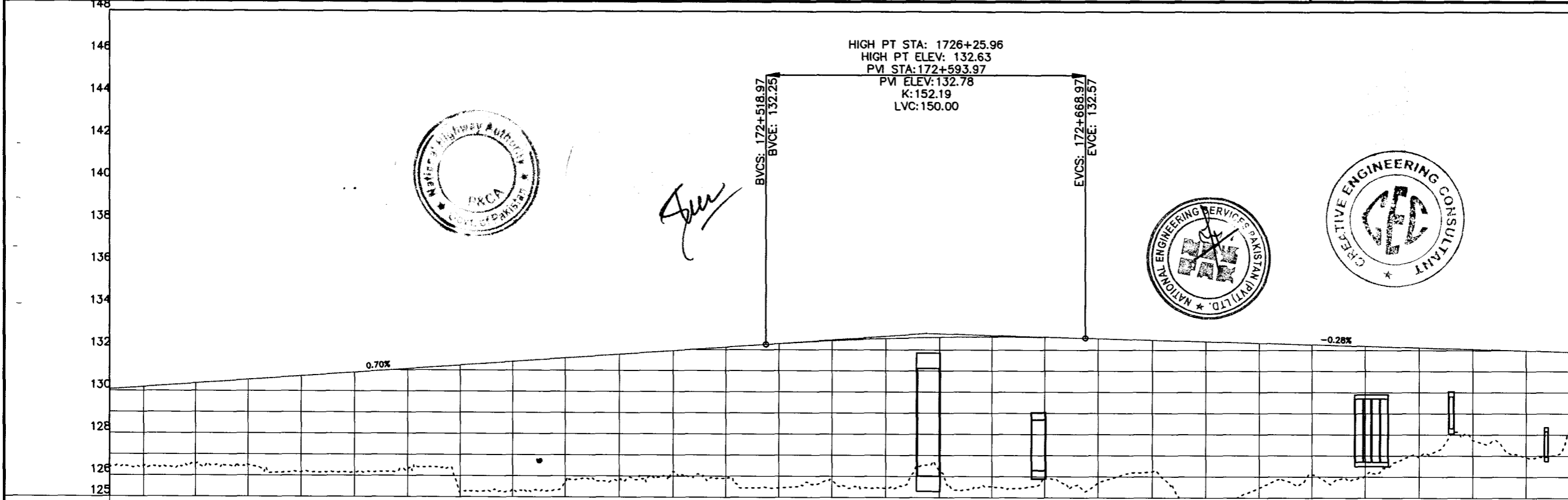
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With SAMAN CORPORATION
 - SHELDIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

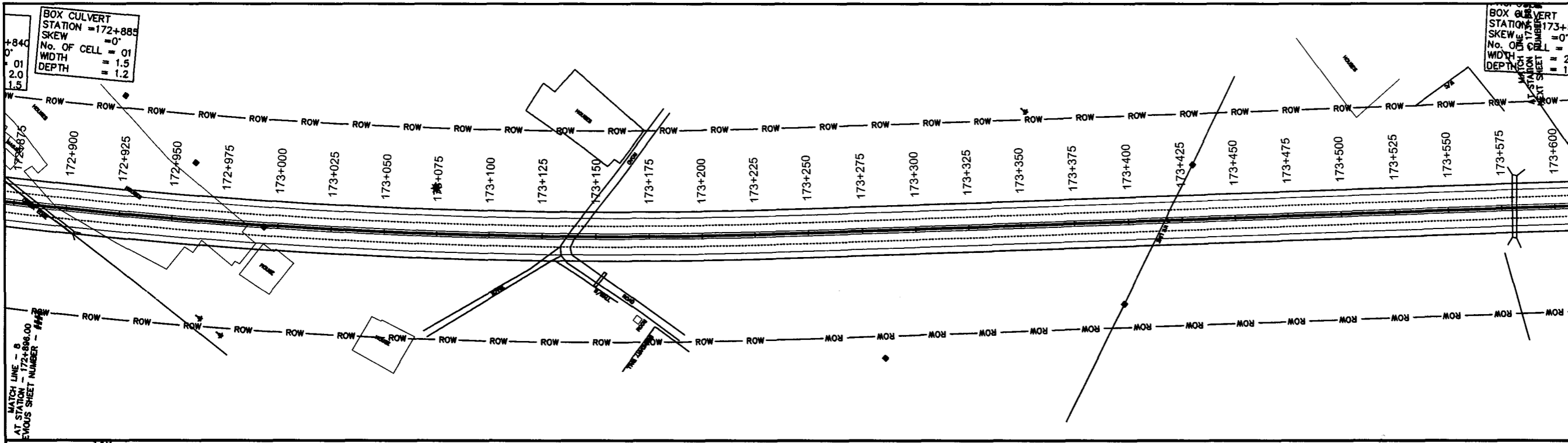
DRAWING TITLE:
PLAN & PROFILE
172+209.00 - 172+896.00

DESIGN BY: A.S	SHEET NO: 77 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T/III/TD/019

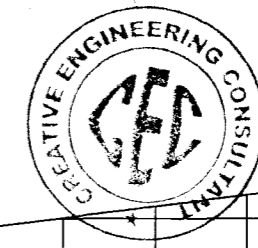
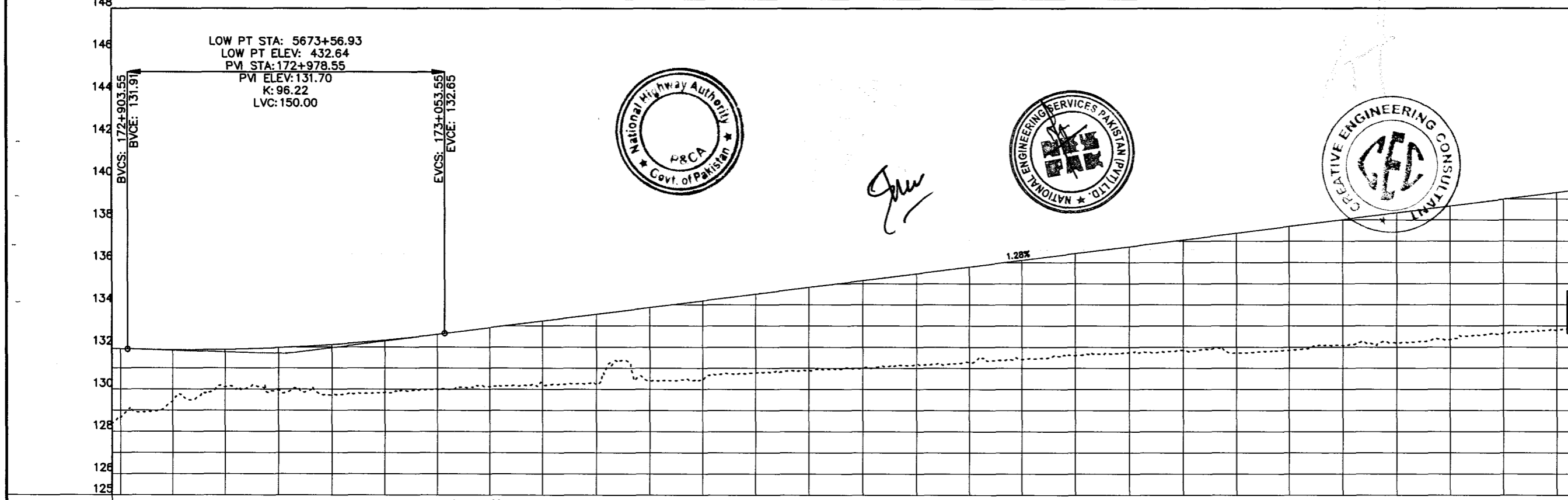


HCD	L=1748.62m																												
VCD	Grade (0.70%) Tangent Length (365.30) Chainage (172+518.97) Elevation (132.25)								Grade (-0.28%) Tangent Length (234.58) Chainage (172+903.55) Elevation (131.91)																				
P.G.L	172+209.00	172+225	172+250	172+275	172+300	172+325	172+350	172+375	172+400	172+425	172+450	172+475	172+500	172+525	172+550	172+575	172+600	172+625	172+650	172+675	172+700	172+725	172+750	172+775	172+800	172+825	172+850	172+875	172+900
N.S.L	126.363	126.441	126.539	126.503	126.164	126.176	126.285	125.247	125.346	125.688	125.793	126.215	125.887	125.446	125.800	125.433	126.279	125.631	125.988	125.700	126.250	124.511	125.477	126.103	126.059	126.939	127.737	126.931	131.988
CH	172+209.00	172+225	172+250	172+275	172+300	172+325	172+350	172+375	172+400	172+425	172+450	172+475	172+500	172+525	172+550	172+575	172+600	172+625	172+650	172+675	172+700	172+725	172+750	172+775	172+800	172+825	172+850	172+875	172+900



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Jaw

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

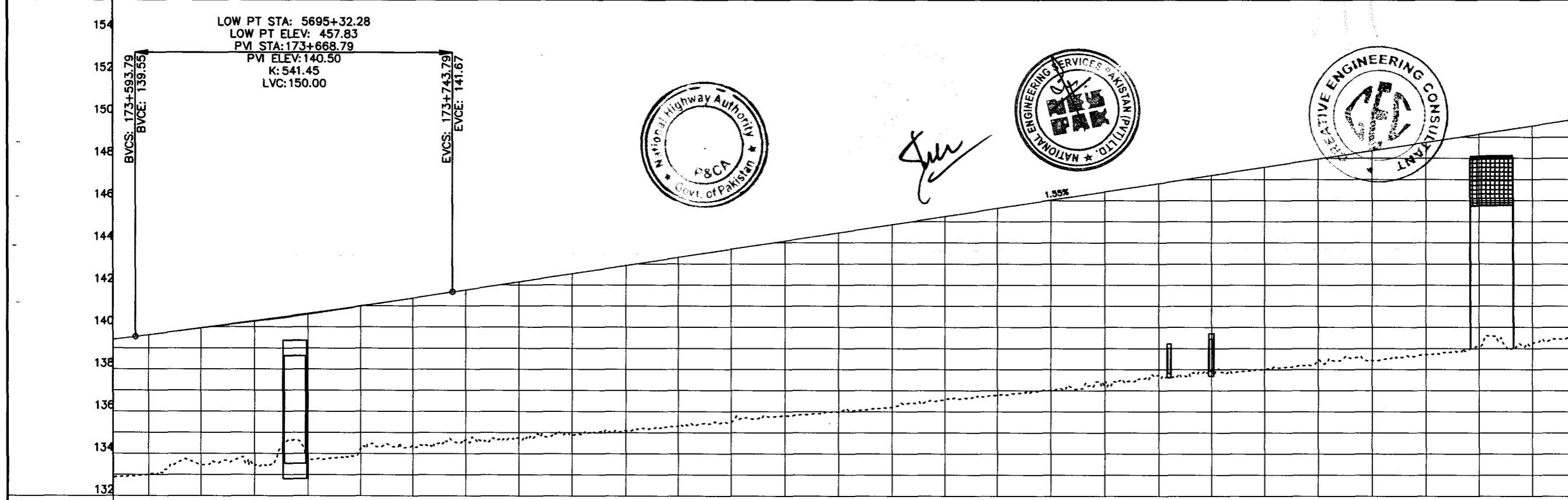
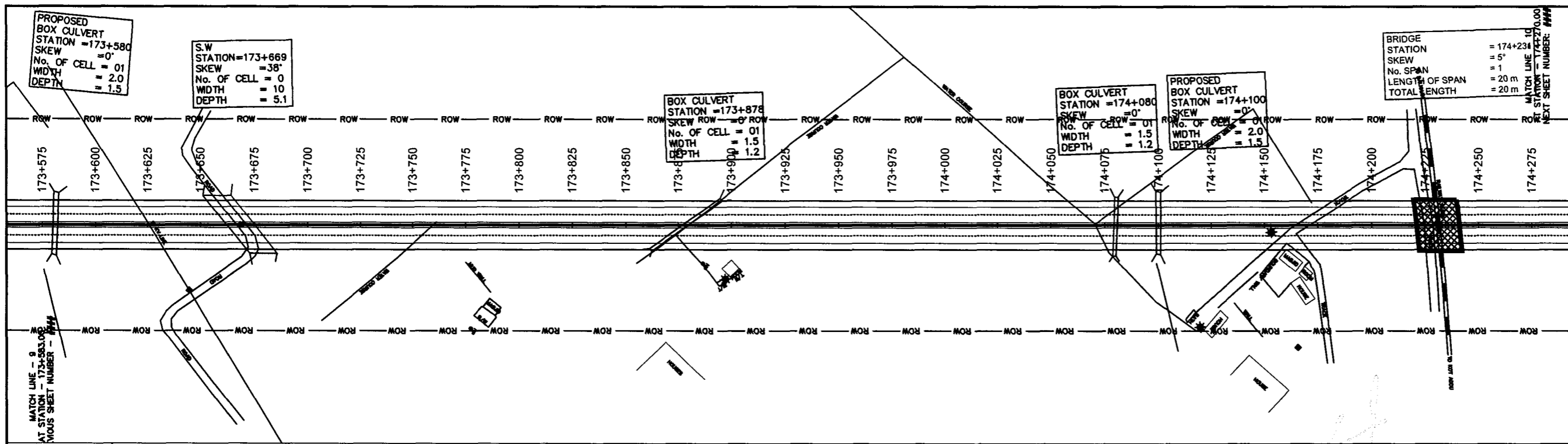
- CONSULTANTS:**
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 172+886.00 - 173+583.00

DESIGN BY: A.S	SHEET NO: 78 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/THI/TD/019

HCD	L=1748.62m R=2500.00m																	L=1670.22m																																										
VCD	Grade (1.28%) Tangent Length (540.24) Chainage (173+593.79) Elevation (139.55)																																																											
P.G.L	172+886	172+900	172+925	172+950	172+975	173+000	173+025	173+050	173+075	173+100	173+125	173+150	173+175	173+200	173+225	173+250	173+275	173+300	173+325	173+350	173+375	173+400	173+425	173+450	173+475	173+500	173+525	173+550	173+575	173+600	172+886	172+900	172+925	172+950	172+975	173+000	173+025	173+050	173+075	173+100	173+125	173+150	173+175	173+200	173+225	173+250	173+275	173+300	173+325	173+350	173+375	173+400	173+425	173+450	173+475	173+500	173+525	173+550	173+575	173+600
N.S.L	128.887	128.881	129.436	130.112	129.951	129.712	129.847	129.991	130.132	130.270	130.227	130.415	130.429	130.787	130.911	131.022	131.211	131.282	131.408	131.610	131.760	131.845	131.737	131.843	132.063	132.204	132.360	132.648	132.802	133.008	128.887	128.881	129.436	130.112	129.951	129.712	129.847	129.991	130.132	130.270	130.227	130.415	130.429	130.787	130.911	131.022	131.211	131.282	131.408	131.610	131.760	131.845	131.737	131.843	132.063	132.204	132.360	132.648	132.802	133.008
CH	172+886	172+900	172+925	172+950	172+975	173+000	173+025	173+050	173+075	173+100	173+125	173+150	173+175	173+200	173+225	173+250	173+275	173+300	173+325	173+350	173+375	173+400	173+425	173+450	173+475	173+500	173+525	173+550	173+575	173+600	172+886	172+900	172+925	172+950	172+975	173+000	173+025	173+050	173+075	173+100	173+125	173+150	173+175	173+200	173+225	173+250	173+275	173+300	173+325	173+350	173+375	173+400	173+425	173+450	173+475	173+500	173+525	173+550	173+575	173+600



Station	HCD	VCD	P.G.L	N.S.L	SH
173+583			132.878	132.878	
173+600			133.017	133.017	
173+625			133.473	133.473	
173+650			133.419	133.419	
173+675			133.718	133.718	
173+700			134.212	134.212	
173+725			134.354	134.354	
173+750			134.647	134.647	
173+775			134.739	134.739	
173+800			134.882	134.882	
173+825			135.090	135.090	
173+850			135.320	135.320	
173+875			135.503	135.503	
173+900			135.800	135.800	
173+925			136.006	136.006	
173+950			136.218	136.218	
173+975			136.573	136.573	
174+000			136.785	136.785	
174+025			137.025	137.025	
174+050			137.362	137.362	
174+075			137.701	137.701	
174+100			137.908	137.908	
174+125			138.004	138.004	
174+150			138.455	138.455	
174+175			138.433	138.433	
174+200			138.702	138.702	
174+225			139.087	139.087	
174+250			139.204	139.204	
174+275			149.534	149.534	

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
------	----------------	------

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

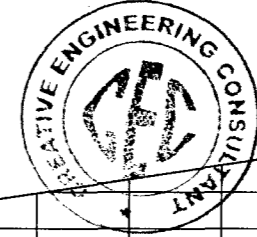
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

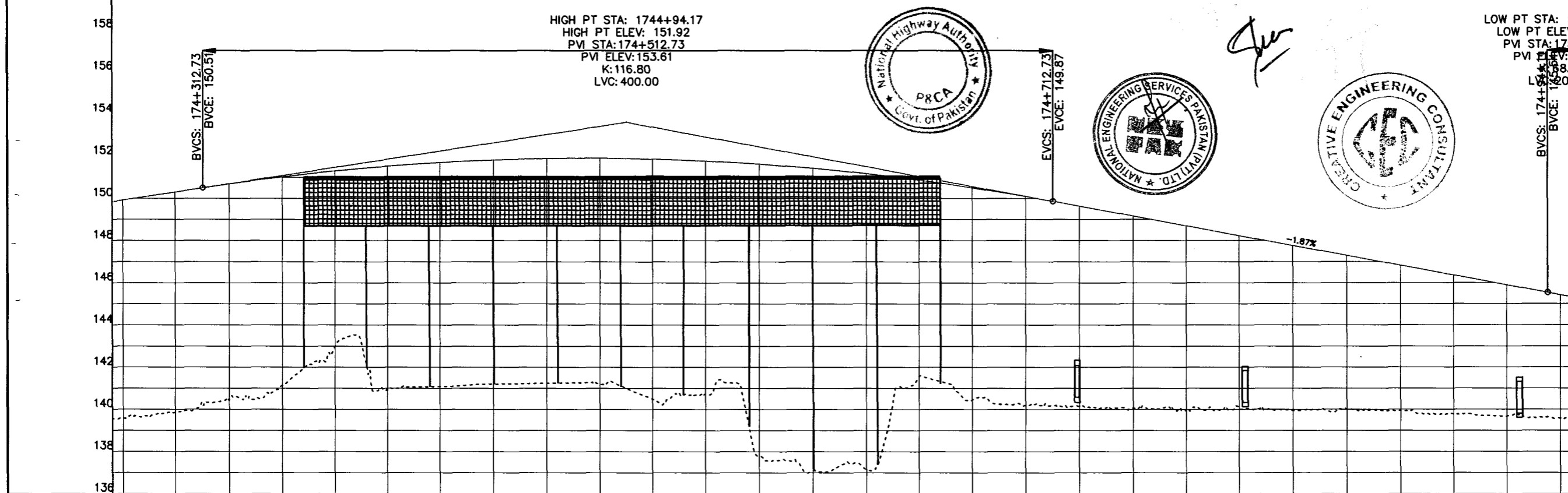
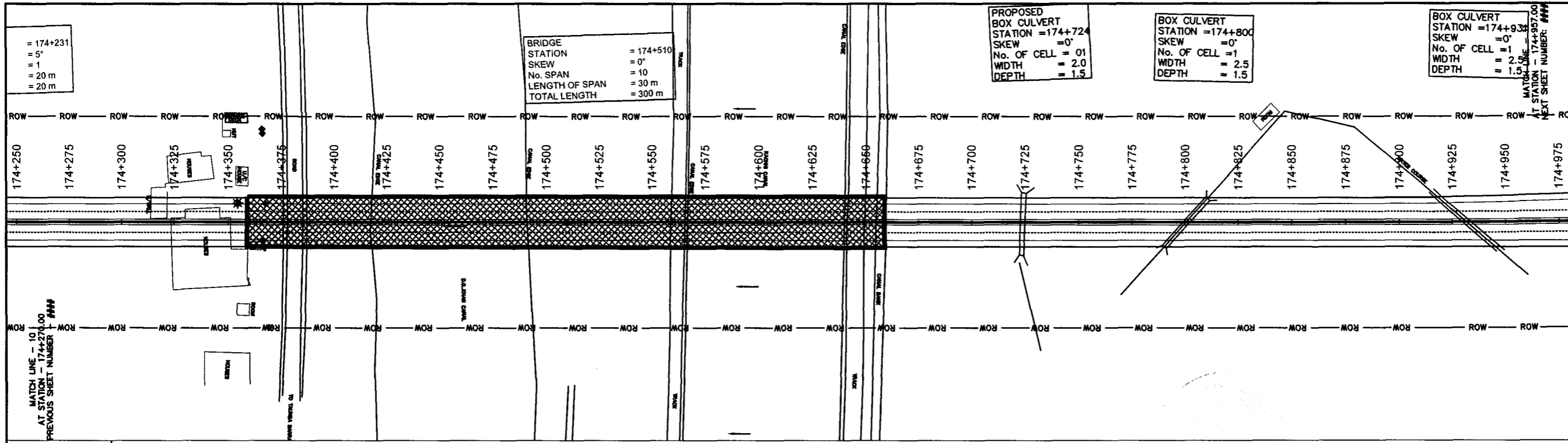
DRAWING TITLE:
PLAN & PROFILE
173+583.00 - 174+270.00

DESIGN BY:	SHEET NO:
A.S	79 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/III/TD/019



Signature



Station	N.S.L.	SH
174+270	139.562	
174+275	139.588	
174+300	139.883	
174+325	140.458	
174+350	141.123	
174+375	143.019	
174+400	140.999	
174+425	141.084	
174+450	141.206	
174+475	141.245	
174+500	141.181	
174+525	140.491	
174+550	140.721	
174+575	137.767	
174+600	137.076	
174+625	137.155	
174+650	141.575	
174+675	140.438	
174+700	140.189	
174+725	140.176	
174+750	140.055	
174+775	139.931	
174+800	140.017	
174+825	139.947	
174+850	140.010	
174+875	139.928	
174+900	139.766	
174+925	139.676	
174+950	139.576	

NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

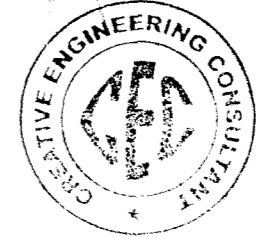
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

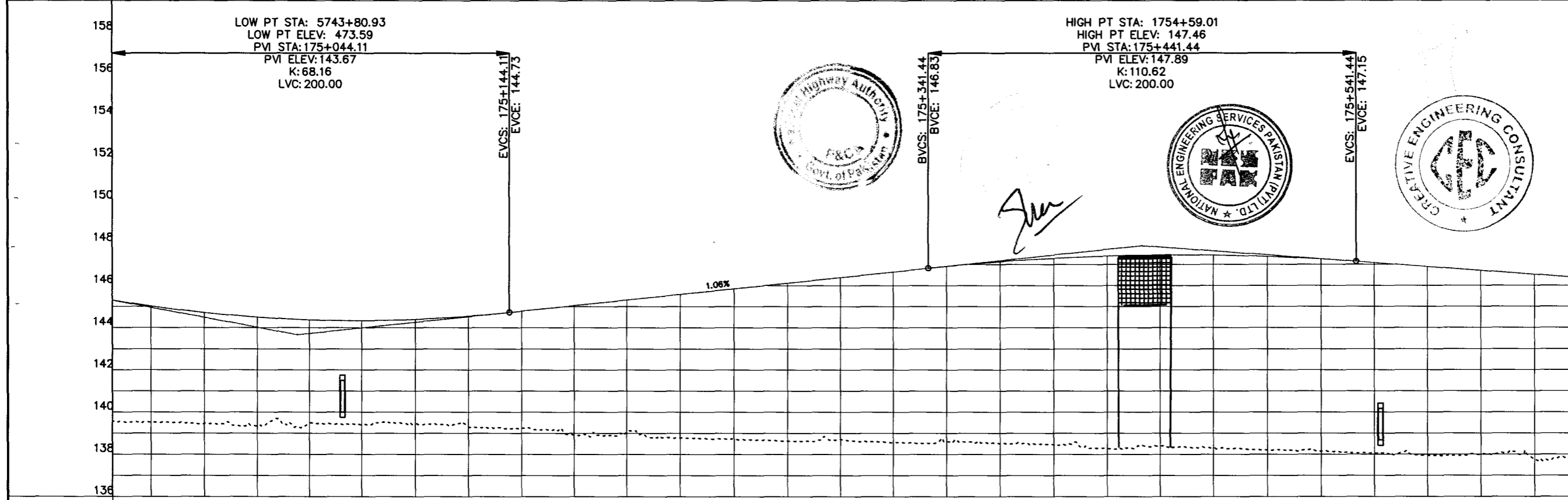
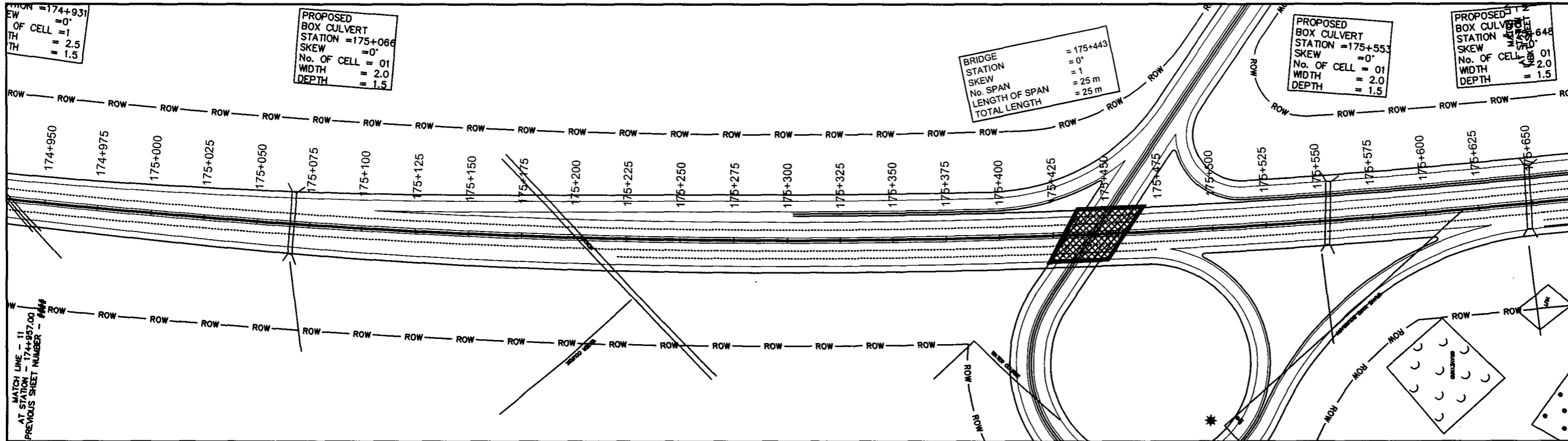
- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
174+270.00 - 174+957.00

DESIGN BY: A.S	SHEET NO: 80 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/TH/174/019





HCD	L=738.31m																																																							
VCD																																																								
P.G.L																																																								
N.S.L	174+957	139.567	174+975	139.515	175+000	139.460	175+025	139.323	175+050	139.454	175+075	139.403	175+100	139.456	175+125	139.284	175+150	139.221	175+175	138.926	175+200	139.078	175+225	138.784	175+250	138.711	175+275	138.638	175+300	138.710	175+325	138.559	175+350	138.610	175+375	138.529	175+400	138.457	175+425	138.275	175+450	138.393	175+475	138.330	175+500	138.213	175+525	138.156	175+550	138.085	175+575	137.951	175+600	137.997	175+625	137.782
CH	174+957	139.567	174+975	139.515	175+000	139.460	175+025	139.323	175+050	139.454	175+075	139.403	175+100	139.456	175+125	139.284	175+150	139.221	175+175	138.926	175+200	139.078	175+225	138.784	175+250	138.711	175+275	138.638	175+300	138.710	175+325	138.559	175+350	138.610	175+375	138.529	175+400	138.457	175+425	138.275	175+450	138.393	175+475	138.330	175+500	138.213	175+525	138.156	175+550	138.085	175+575	137.951	175+600	137.997	175+625	137.782

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

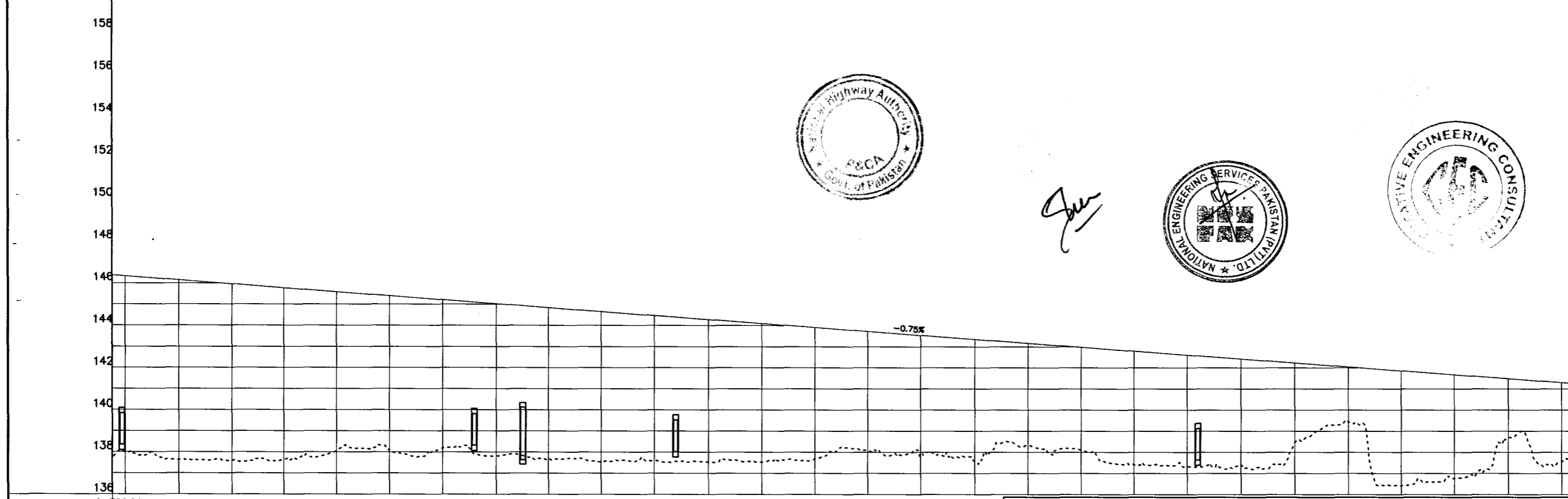
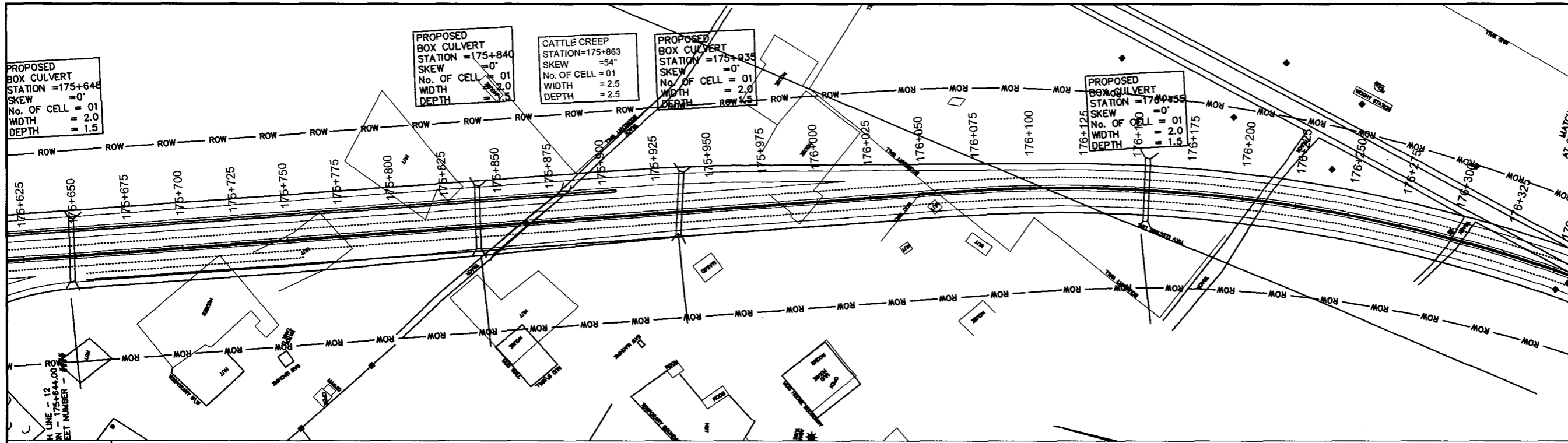
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
174+957.00 - 175+644.00

DESIGN BY: A.S	SHEET NO: 81 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

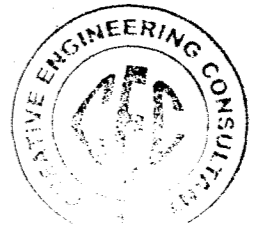
CAD FILE NAME:
CAREC/TH/ITD/019



Station	175+644	175+650	175+675	175+700	175+725	175+750	175+775	175+800	175+825	175+850	175+875	175+900	175+925	175+950	175+975	176+000	176+025	176+050	176+075	176+100	176+125	176+150	176+175	176+200	176+225	176+250	176+275	176+300	176+325
N.S.L	137.835	138.013	137.630	137.591	137.631	138.056	138.112	138.196	137.810	137.666	137.522	137.592	137.544	137.530	137.693	138.089	137.861	137.570	138.353	138.108	137.414	137.337	137.364	138.451	139.444	136.433	136.773	138.692	137.548
CH	175+644	175+650	175+675	175+700	175+725	175+750	175+775	175+800	175+825	175+850	175+875	175+900	175+925	175+950	175+975	176+000	176+025	176+050	176+075	176+100	176+125	176+150	176+175	176+200	176+225	176+250	176+275	176+300	176+325



Signature



NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

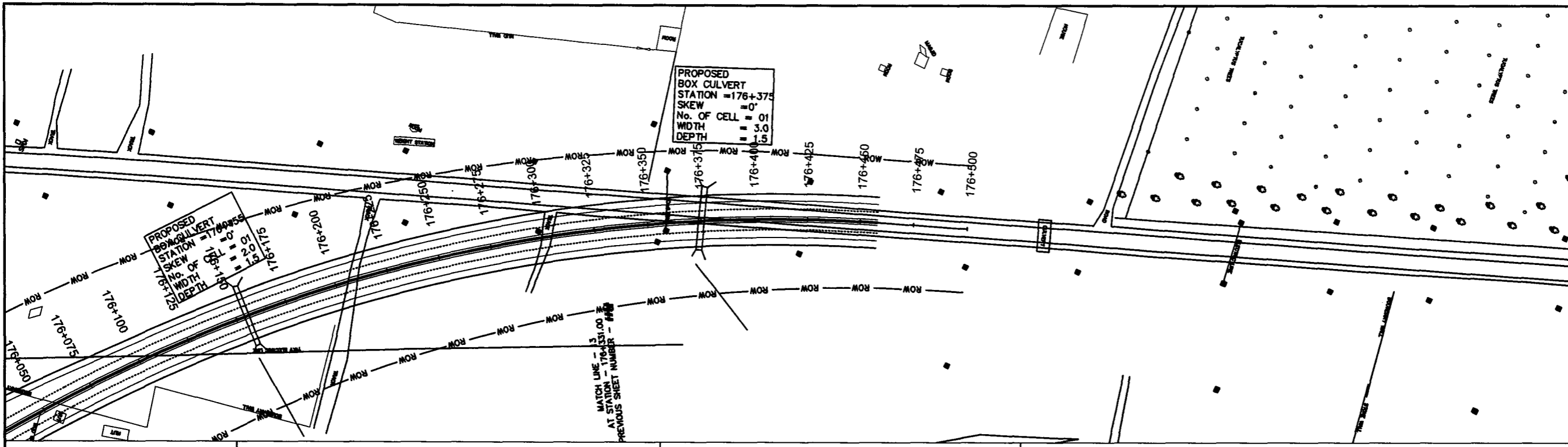
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

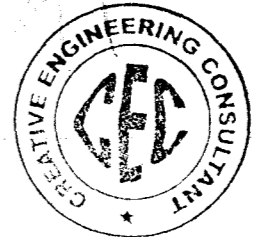
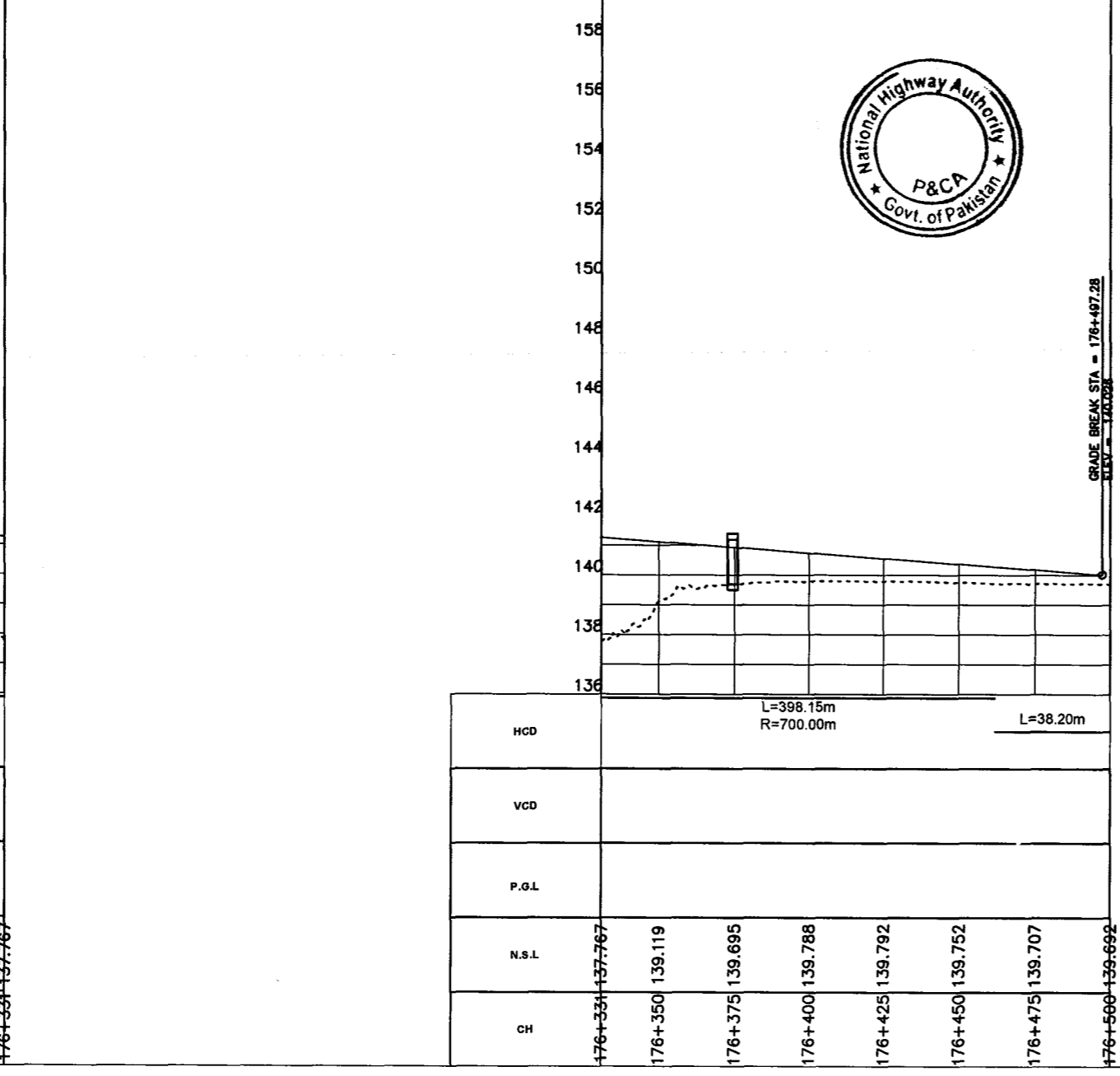
DRAWING TITLE:
 PLAN & PROFILE
 175+644.00 - 176+331.00

DESIGN BY: A.S	SHEET NO: 82 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/TH/ITD/019



176+225	139.444
176+250	136.433
176+275	136.773
176+300	138.692
176+325	137.548
176+350	137.767



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHA-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 to Km 233+200)

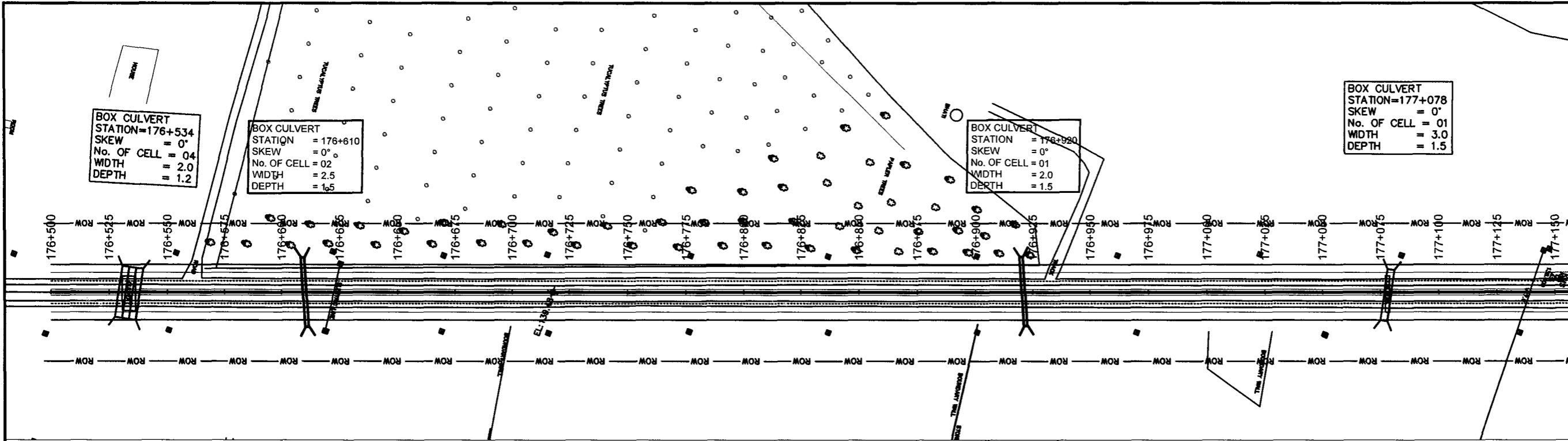
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
176+331.00 - 176+500.00

DESIGN BY:	SHEET NO:
A.S	83 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL-2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/THI/TD/019



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

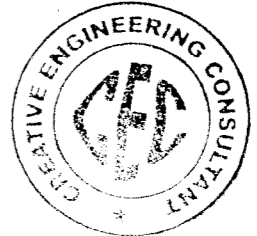
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 176+500.00 - 177+177.42

DESIGN BY: A.S.	SHEET NO.: 84 of 170
DRAWN BY: S.A.	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S.	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020

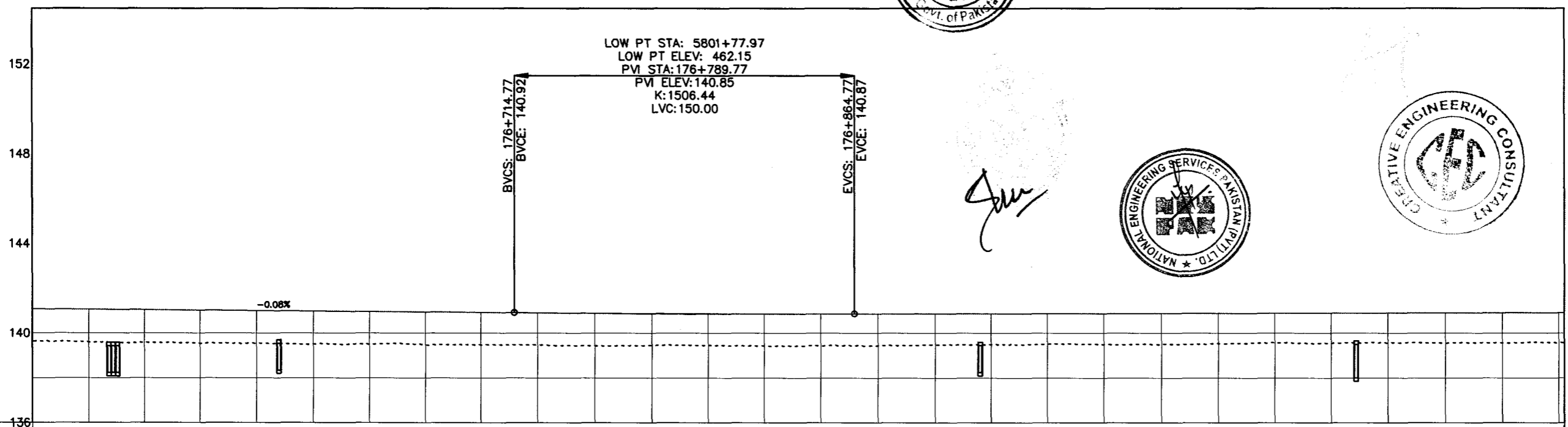


Signature

LOW PT STA: 5801+77.97
 LOW PT ELEV: 462.15
 PVI STA: 176+789.77
 PVI ELEV: 140.85
 K: 1506.44
 LVC: 150.00

BVCS: 176+714.77
 BVCE: 140.92

EVCS: 176+864.77
 EVCE: 140.87

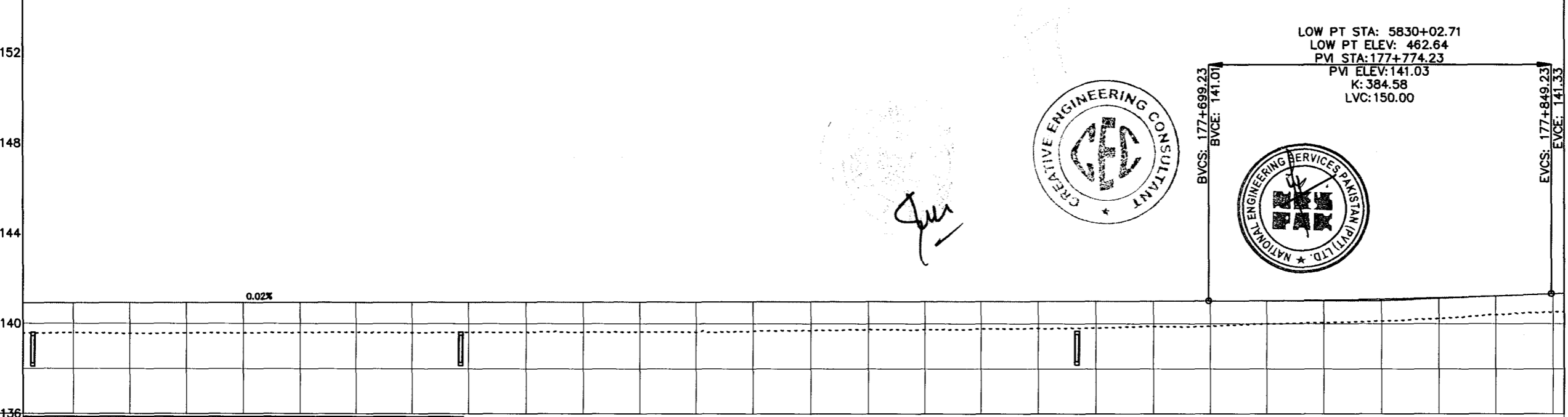
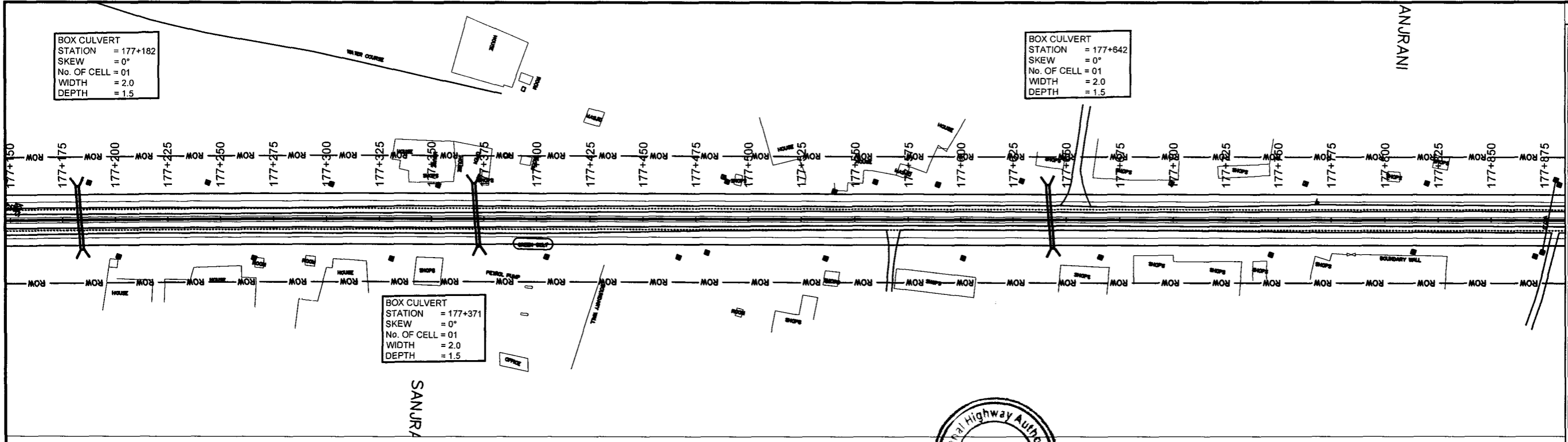


CH	N.S.L	P.G.L
176+500	139.644	141.091
176+525	139.591	141.071
176+550	139.566	141.050
176+575	139.543	141.030
176+600	139.545	141.009
176+625	139.513	140.989
176+650	139.502	140.968
176+675	139.479	140.948
176+700	139.477	140.927
176+725	139.476	140.907
176+750	139.432	140.891
176+775	139.442	140.878
176+800	139.450	140.870
176+825	139.426	140.865
176+850	139.427	140.865
176+875	139.444	140.869
176+900	139.467	140.873
176+925	139.496	140.878
176+950	139.515	140.882
176+975	139.492	140.886
177+000	139.496	140.891
177+025	139.534	140.895
177+050	139.560	140.900
177+075	139.560	140.904
177+100	139.570	140.908
177+125	139.552	140.913
177+150	139.563	140.917
177+175	139.571	140.922

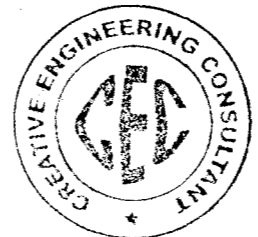
BOX CULVERT
 STATION = 177+182
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 177+642
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 177+371
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



Station	HCD	VCD	P.G.L	N.S.L	CH
177+177			146.922	139.574	177+177
177+200			140.926	139.584	177+200
177+225			140.930	139.556	177+225
177+250			140.935	139.584	177+250
177+275			140.939	139.583	177+275
177+300			140.944	139.594	177+300
177+325			140.948	139.611	177+325
177+350			140.952	139.597	177+350
177+375			140.957	139.618	177+375
177+400			140.961	139.629	177+400
177+425			140.966	139.636	177+425
177+450			140.970	139.647	177+450
177+475			140.974	139.627	177+475
177+500			140.979	139.679	177+500
177+525			140.983	139.707	177+525
177+550			140.988	139.756	177+550
177+575			140.992	139.744	177+575
177+600			140.996	139.753	177+600
177+625			141.001	139.798	177+625
177+650			141.005	139.824	177+650
177+675			141.010	139.877	177+675
177+700			141.014	139.895	177+700
177+725			141.027	140.001	177+725
177+750			141.056	140.059	177+750
177+775			141.102	140.124	177+775
177+800			141.164	140.233	177+800
177+825			141.242	140.402	177+825
177+850			141.336	140.526	177+850



NOTES

1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 177+177.42 - 177+854.85

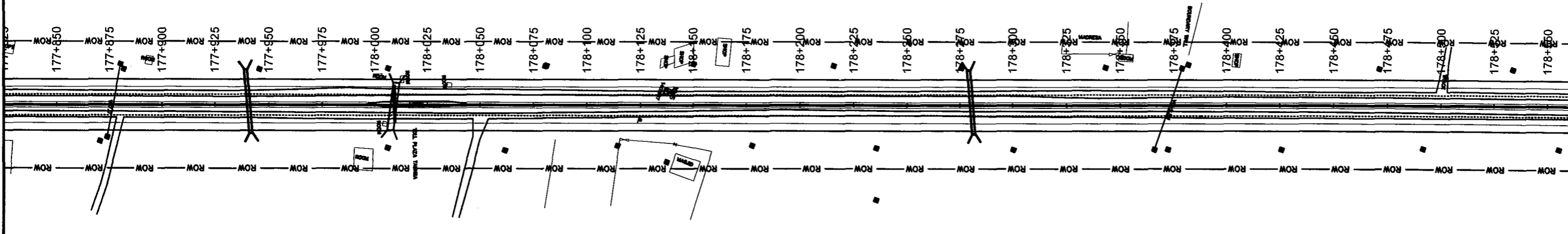
DESIGN BY: A.S	SHEET NO: 85 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020

BOX CULVERT
STATION = 177+941
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERT
STATION=178+009
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.0

BOX CULVERT
STATION = 178+280
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

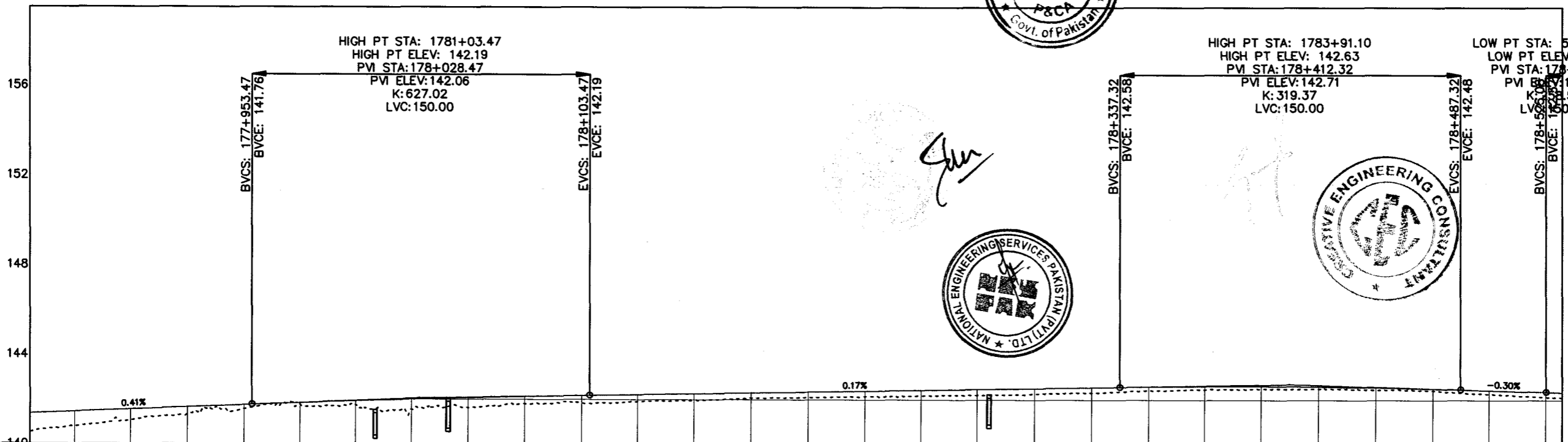
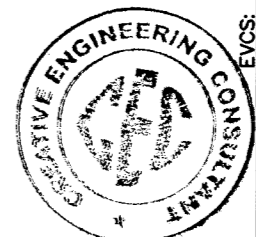
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
177+854.85 - 178+532.27

DESIGN BY: A.S	SHEET NO.: 86 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/020



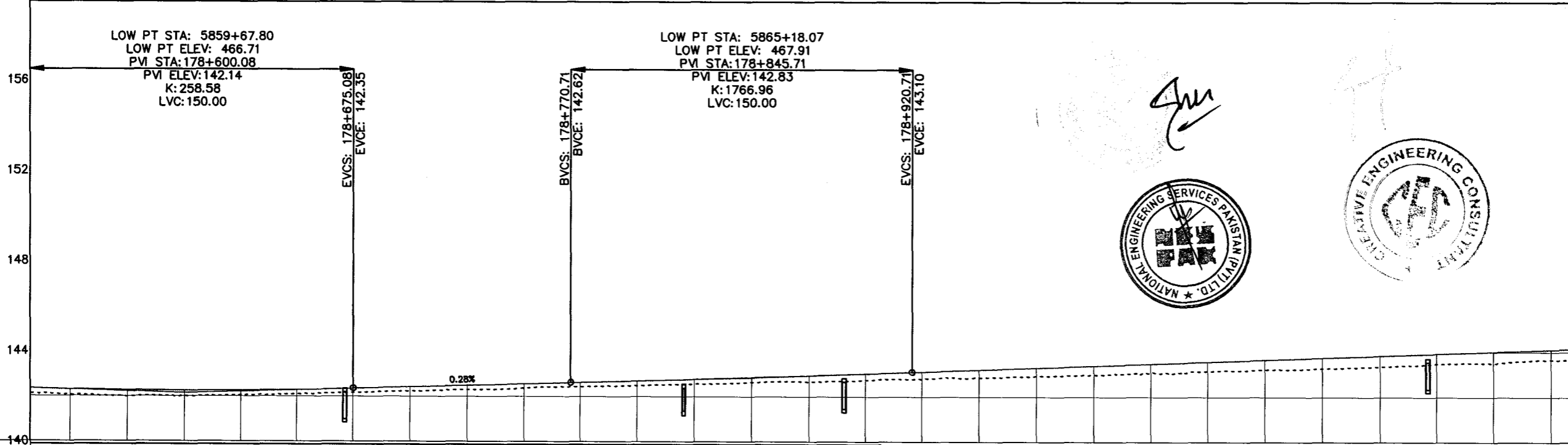
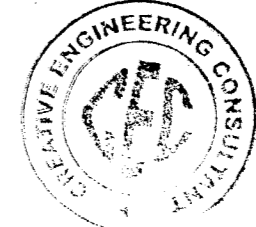
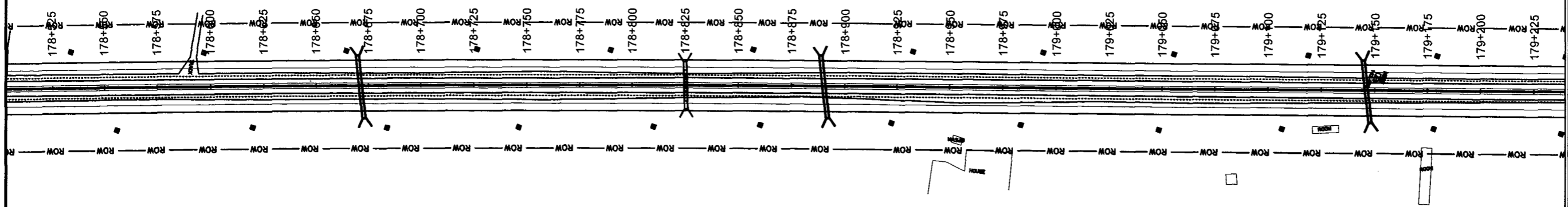
Station	HCD	VCD	P.G.L	N.S.L	CH
177+855			140.520	141.356	
177+875			140.778	141.438	
177+900			141.048	141.540	
177+925			141.329	141.642	
177+950			141.547	141.744	
177+975			141.738	141.842	
178+000			141.721	141.930	
178+025			141.541	142.009	
178+050			141.630	142.077	
178+075			141.816	142.135	
178+100			141.834	142.184	
178+125			141.920	142.226	
178+150			141.969	142.268	
178+175			142.078	142.310	
178+200			142.102	142.352	
178+225			142.149	142.394	
178+250			142.184	142.437	
178+275			142.210	142.479	
178+300			142.267	142.521	
178+325			142.312	142.563	
178+350			142.417	142.602	
178+375			142.479	142.625	
178+400			142.511	142.628	
178+425			142.497	142.611	
178+450			142.461	142.575	
178+475			142.424	142.519	
178+500			142.265	142.446	
178+525			142.142	142.370	
178+532			142.102	142.356	

BOX CULVERT
 STATION = 178+673
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 178+824
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.0
 DEPTH = 1.0

BOX CULVERT
 STATION = 178+890
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 179+146
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



Station	CH	N.S.L	P.G.L	VCD	HCD
178+525	142.350	142.102	142.350		
178+550	142.307	142.061	142.307		
178+575	142.268	141.982	142.268		
178+600	142.253	142.000	142.253		
178+625	142.262	142.049	142.262		
178+650	142.296	142.098	142.296		
178+675	142.353	142.164	142.353		
178+700	142.423	142.226	142.423		
178+725	142.493	142.294	142.493		
178+750	142.562	142.362	142.562		
178+775	142.632	142.441	142.632		
178+800	142.704	142.488	142.704		
178+825	142.780	142.553	142.780		
178+850	142.859	142.633	142.859		
178+875	142.942	142.650	142.942		
178+900	143.028	142.746	143.028		
178+925	143.118	142.797	143.118		
178+950	143.208	142.845	143.208		
178+975	143.299	142.918	143.299		
179+000	143.390	142.984	143.390		
179+025	143.481	143.064	143.481		
179+050	143.572	143.149	143.572		
179+075	143.663	143.214	143.663		
179+100	143.754	143.277	143.754		
179+125	143.845	143.353	143.845		
179+150	143.936	143.473	143.936		
179+175	144.027	143.513	144.027		
179+200	144.118	143.661	144.118		
179+225	144.153	143.669	144.153		

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

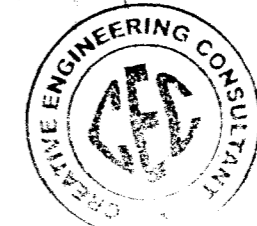
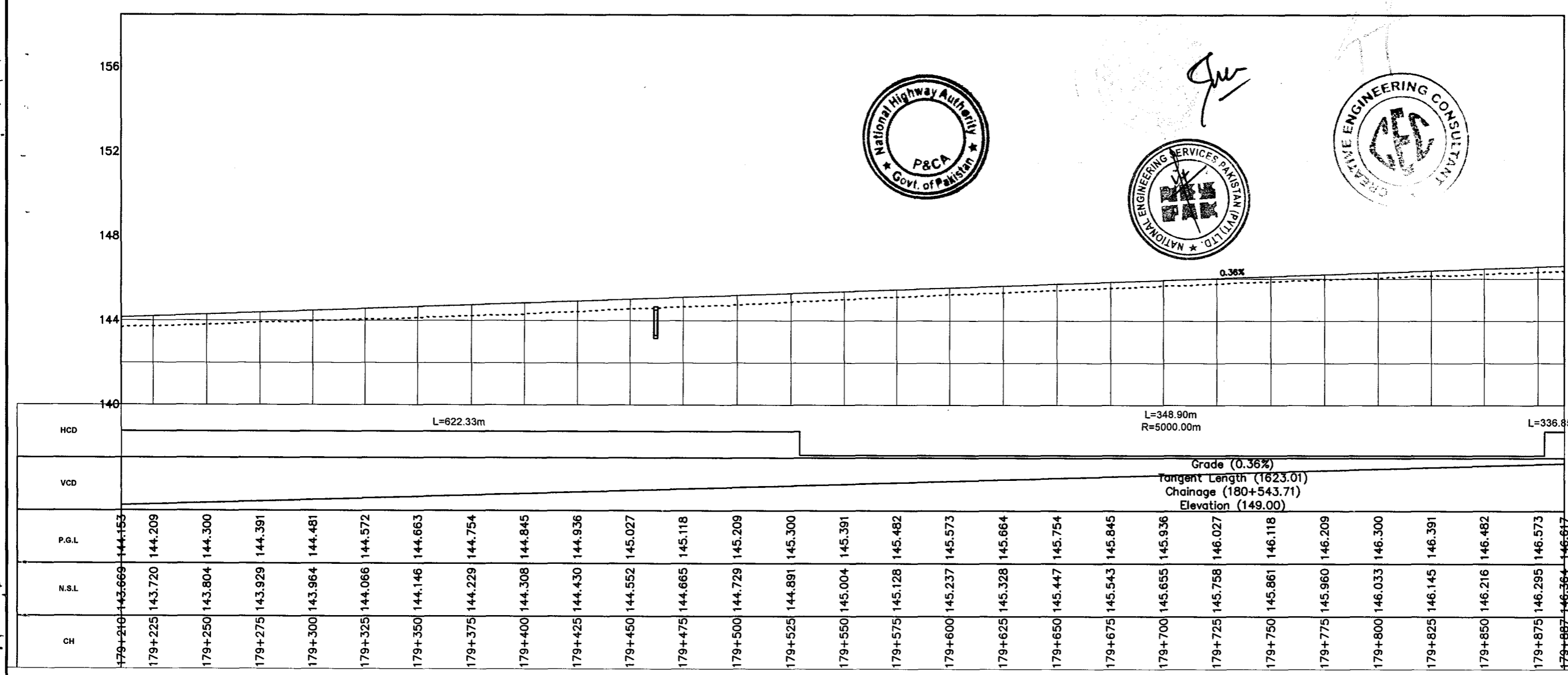
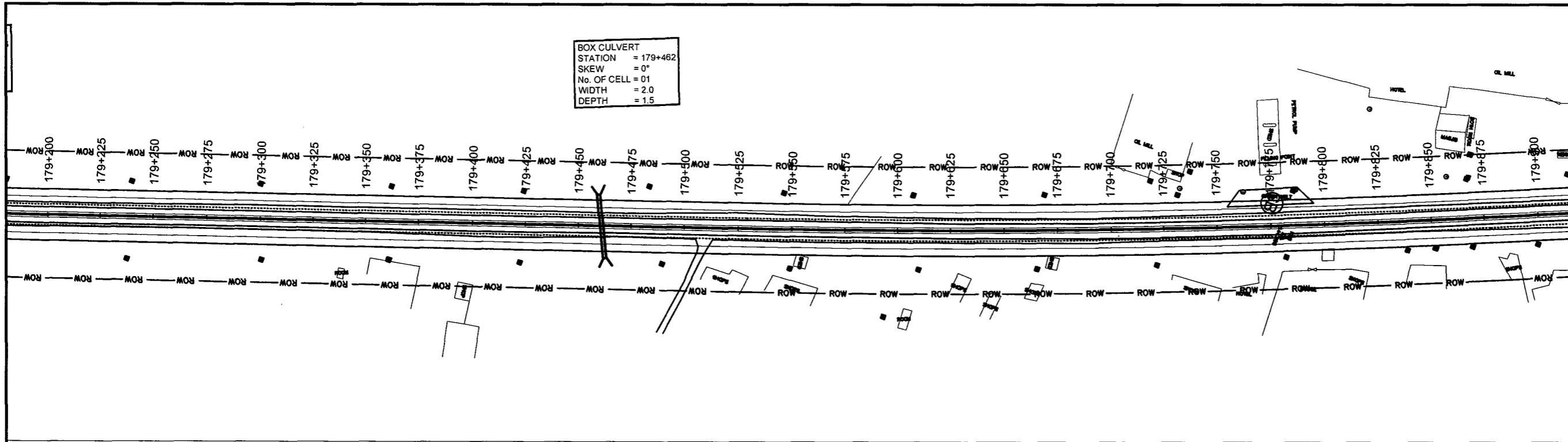
CONSULTANTS:
 MINCONSULT. SDN BHD In Joint Venture With SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 178+532.27 - 179+209.69

DESIGN BY: A.S. **SHEET NO:** 87 of 170
DRAWN BY: S.A. **SCALE:** H = 1:2000 V = 1:100
CHECKED BY: A.S. **DATE:** APRIL, 2024
APPROVED BY: **REVISION:**

CAD FILE NAME:
 CAREC/T-III/TD/020

BOX CULVERT
 STATION = 179+462
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

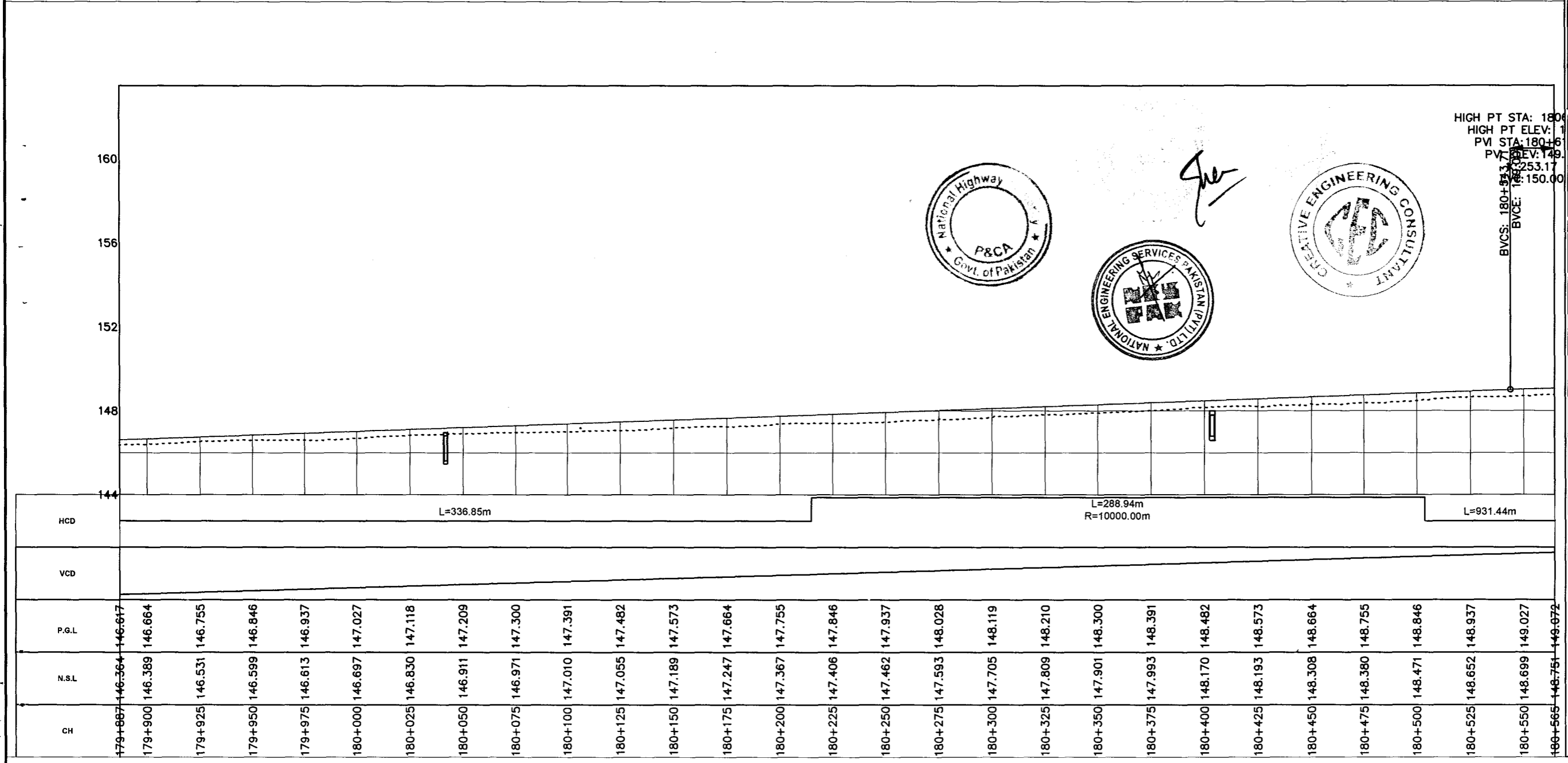
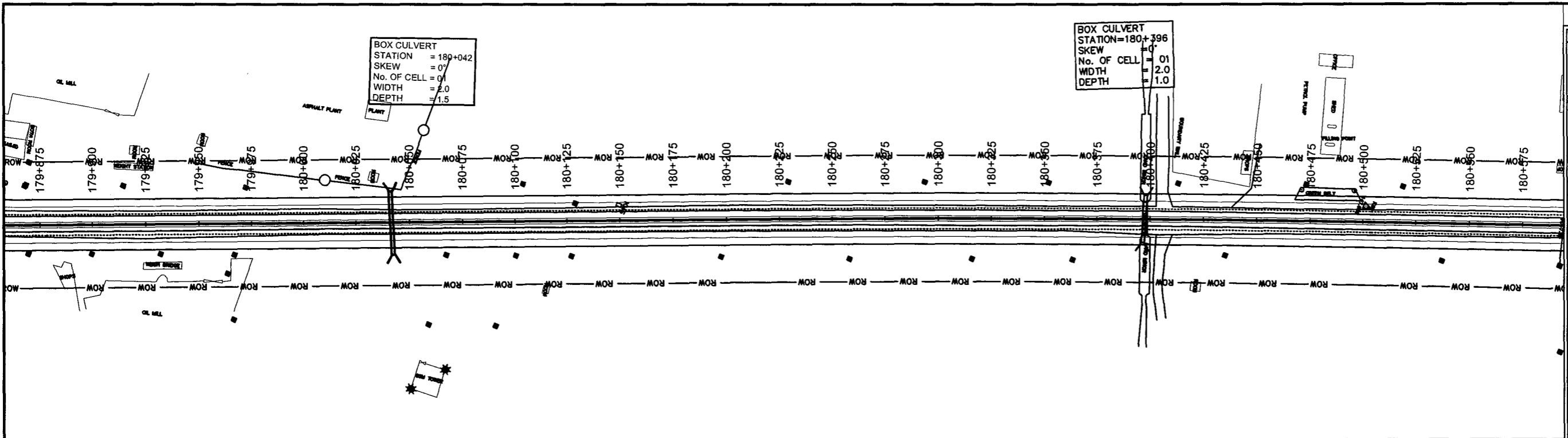
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 179+209.69 - 179+887.12

DESIGN BY: A.S	SHEET NO.: 88 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
179+887.12 - 180+564.54

DESIGN BY: A.S	SHEET NO: 89 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

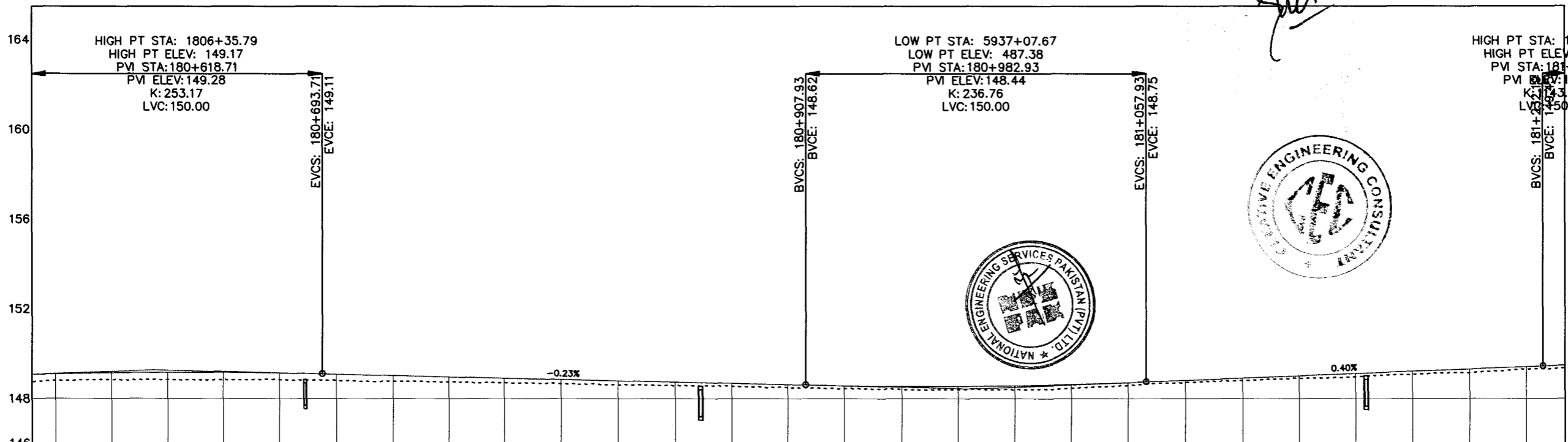
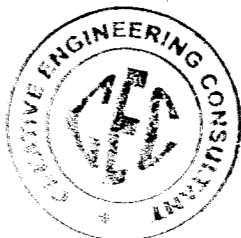
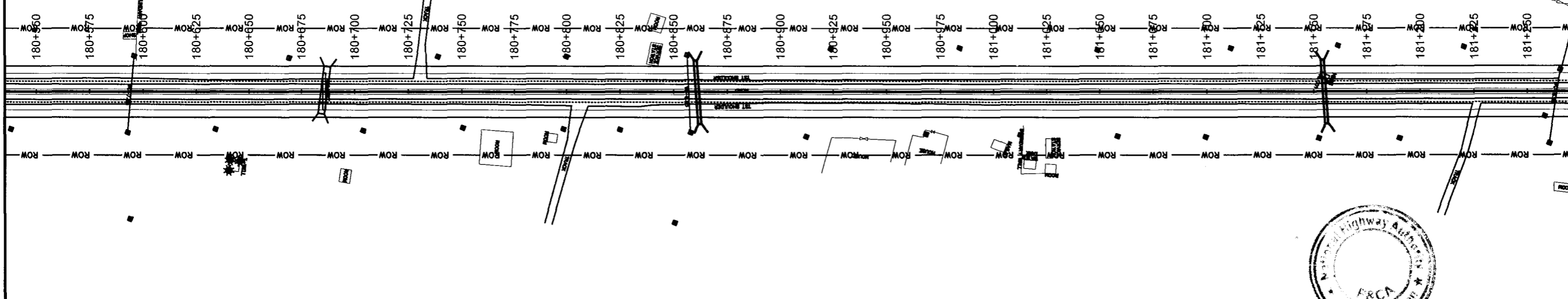
CAD FILE NAME:
CAREC/T-III/TD/020



BOX CULVERT
 STATION=180+685
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.0
 DEPTH = 1.0

BOX CULVERT
 STATION = 180+862
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 3.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 181+155
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



HCD	L=931.44m																												
VCD	Grade (-0.23%) Tangent Length (214.22) Chainage (180+907.93) Elevation (148.62)										Grade (0.40%) Tangent Length (174.25) Chainage (181+232.19) Elevation (149.45)																		
P.G.L	180+565	180+575	180+600	180+625	180+650	180+675	180+700	180+725	180+750	180+775	180+800	180+825	180+850	180+875	180+900	180+925	180+950	180+975	181+000	181+025	181+050	181+075	181+100	181+125	181+150	181+175	181+200	181+225	181+240
N.S.L	148.751	148.795	148.840	148.844	148.847	148.842	148.817	148.763	148.759	148.920	148.665	148.626	148.584	148.552	148.484	148.460	148.402	148.410	148.389	148.467	148.598	148.719	148.802	148.918	149.121	149.065	149.152	149.307	149.424
CH	180+565	180+575	180+600	180+625	180+650	180+675	180+700	180+725	180+750	180+775	180+800	180+825	180+850	180+875	180+900	180+925	180+950	180+975	181+000	181+025	181+050	181+075	181+100	181+125	181+150	181+175	181+200	181+225	181+240

NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

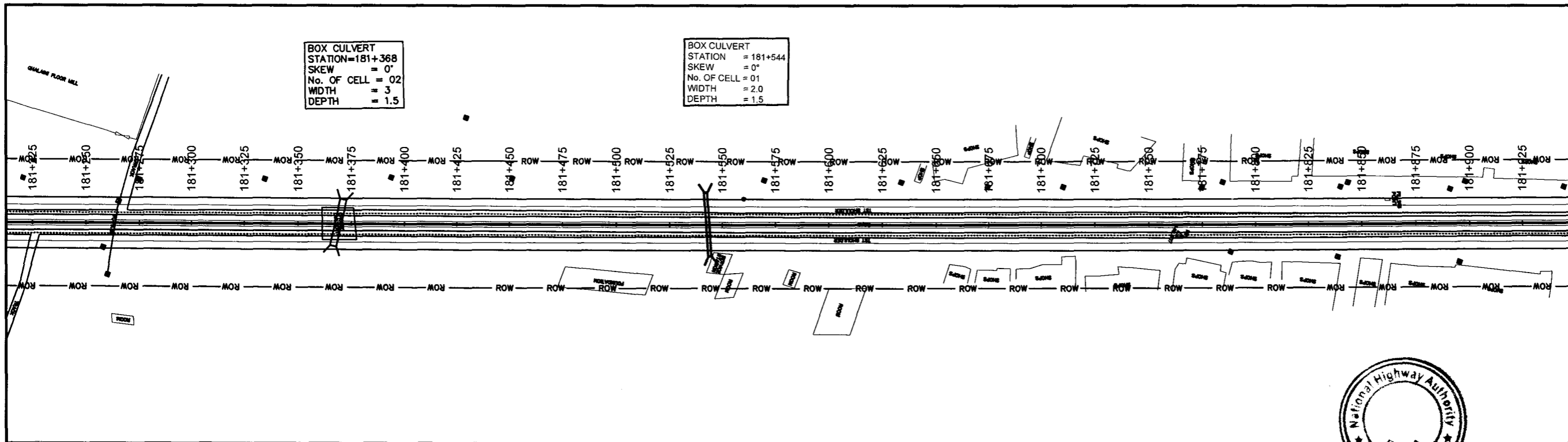
CONSULTANTS:

- MINCONSULT, SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 180+564.54 - 181+241.96

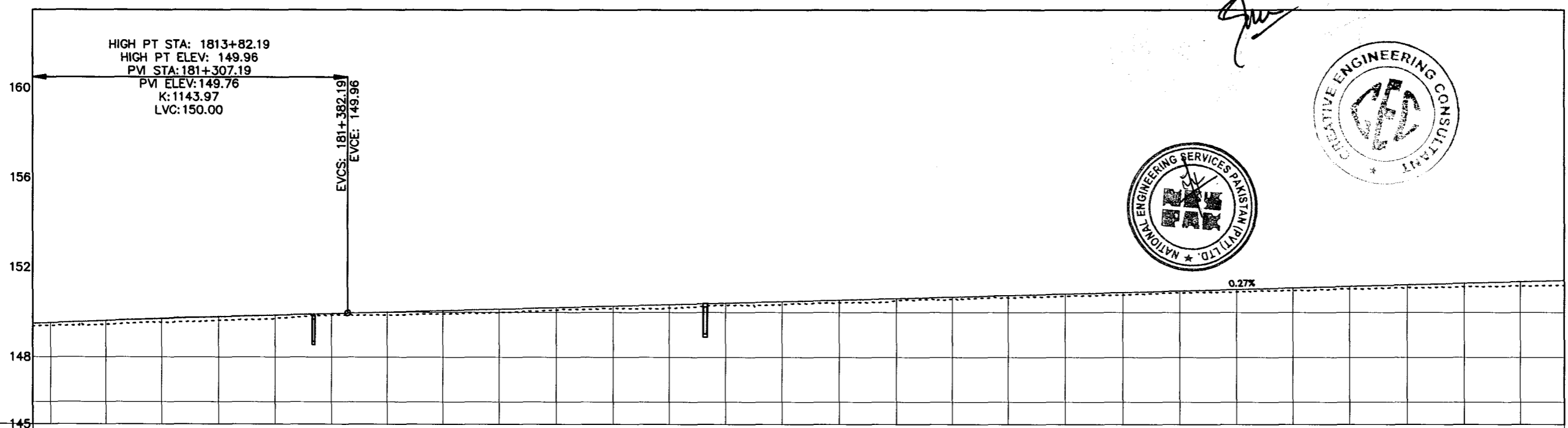
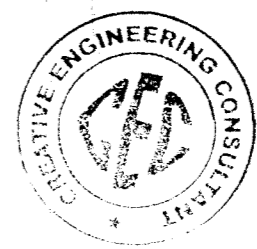
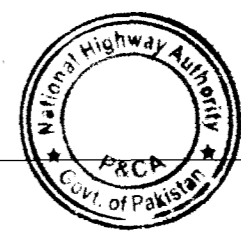
DESIGN BY: A.S	SHEET NO: 90 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



BOX CULVERT
 STATION=181+368
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 3
 DEPTH = 1.5

BOX CULVERT
 STATION = 181+544
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



Station	HCD	VCD	P.G.L	N.S.L	CH
181+242			149.362	149.493	
181+250			149.391	149.524	
181+275			149.457	149.619	
181+300			149.540	149.708	
181+325			149.623	149.792	
181+350			149.711	149.870	
181+375			149.868	149.942	
181+400			149.873	150.011	
181+425			149.927	150.079	
181+450			149.989	150.148	
181+475			150.100	150.216	
181+500			150.159	150.285	
181+525			150.203	150.353	
181+550			150.316	150.422	
181+575			150.330	150.490	
181+600			150.434	150.558	
181+625			150.524	150.627	
181+650			150.599	150.695	
181+675			150.650	150.764	
181+700			150.718	150.832	
181+725			150.785	150.900	
181+750			150.877	150.969	
181+775			150.917	151.037	
181+800			150.975	151.106	
181+825			151.046	151.174	
181+850			151.121	151.242	
181+875			151.155	151.311	
181+900			151.191	151.379	
181+919			151.199	151.432	

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

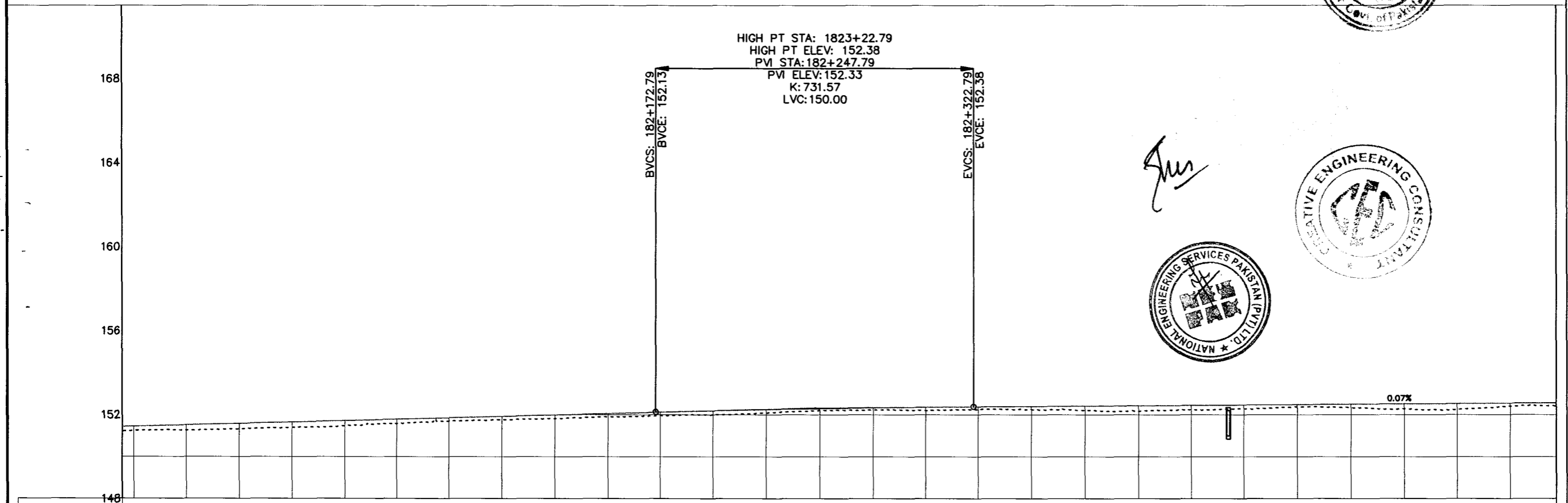
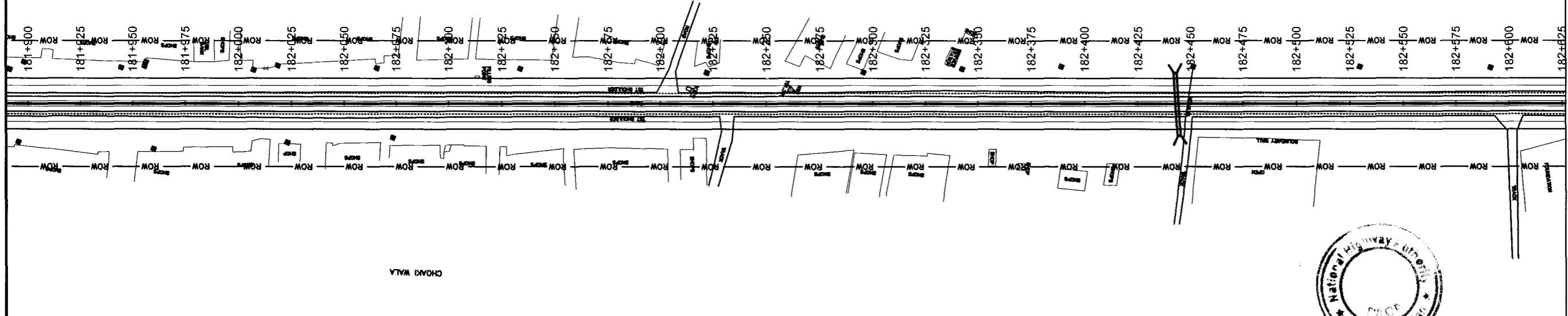
CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 181+241.96 - 181+919.38

DESIGN BY: A.S	SHEET NO: 91 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020

BOX CULVERT
 STATION = 182+444
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



Station	CH	N.S.L.	P.S.L.	VCD	HCD
181+900	181+900	151.199	151.432		
181+925	181+925	151.235	151.448		
181+950	181+950	151.250	151.516		
181+975	181+975	151.314	151.585		
182+000	182+000	151.393	151.653		
182+025	182+025	151.465	151.721		
182+050	182+050	151.568	151.790		
182+075	182+075	151.698	151.858		
182+100	182+100	151.764	151.927		
182+125	182+125	151.815	151.995		
182+150	182+150	151.900	152.063		
182+175	182+175	151.965	152.132		
182+200	182+200	152.022	152.195		
182+225	182+225	152.089	152.250		
182+250	182+250	152.195	152.296		
182+275	182+275	152.225	152.334		
182+300	182+300	152.198	152.363		
182+325	182+325	152.246	152.384		
182+350	182+350	152.243	152.401		
182+375	182+375	152.199	152.418		
182+400	182+400	152.162	152.436		
182+425	182+425	152.228	152.453		
182+450	182+450	152.293	152.470		
182+475	182+475	152.380	152.487		
182+500	182+500	152.332	152.504		
182+525	182+525	152.281	152.521		
182+550	182+550	152.260	152.538		
182+575	182+575	152.412	152.556		
182+600	182+600				
182+625	182+625				

L=1119.68m

Grade (0.07%)
 Tangent Length (399.90)
 Chainage (182+722.70)
 Elevation (152.66)

NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

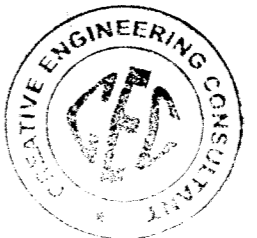
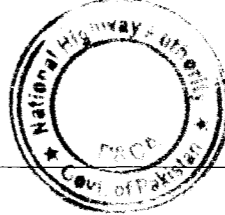
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 181+919.38 - 182+596.81

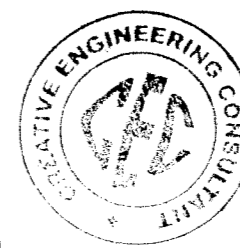
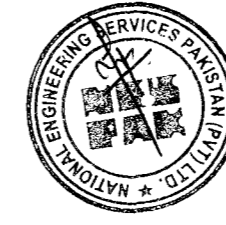
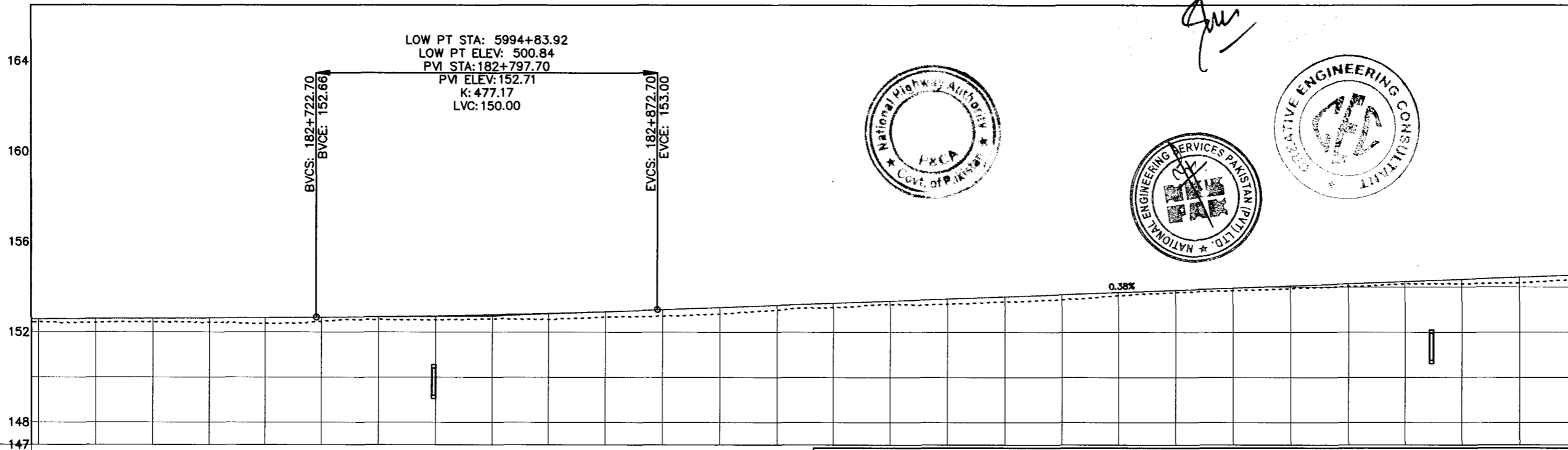
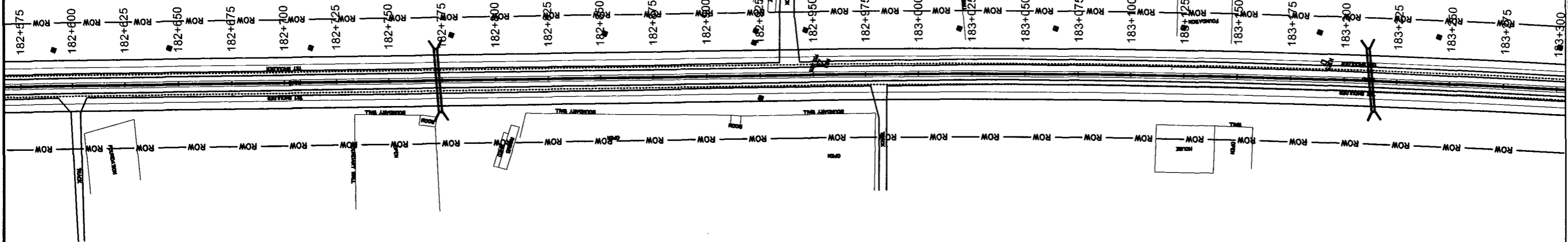
DESIGN BY: A.S.	SHEET NO: 92 of 170
DRAWN BY: S.A.	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S.	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



BOX CULVERT
 STATION = 182+774
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 183+212
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 182+596.81 - 183+274.23

DESIGN BY: A.S	SHEET NO: 93 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

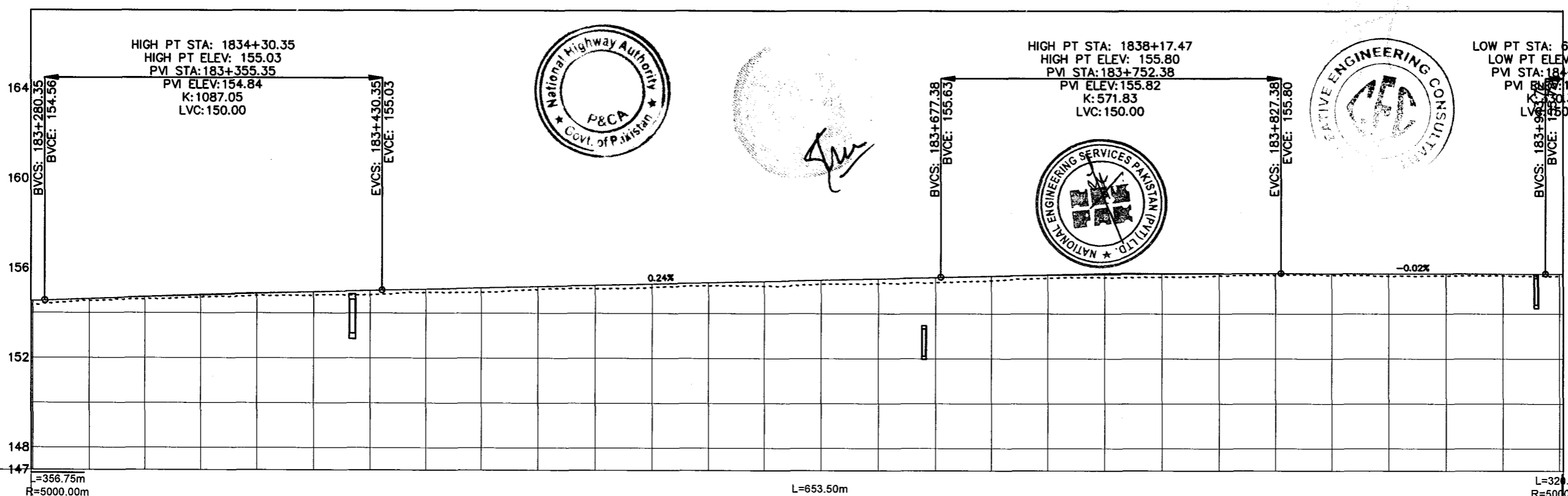
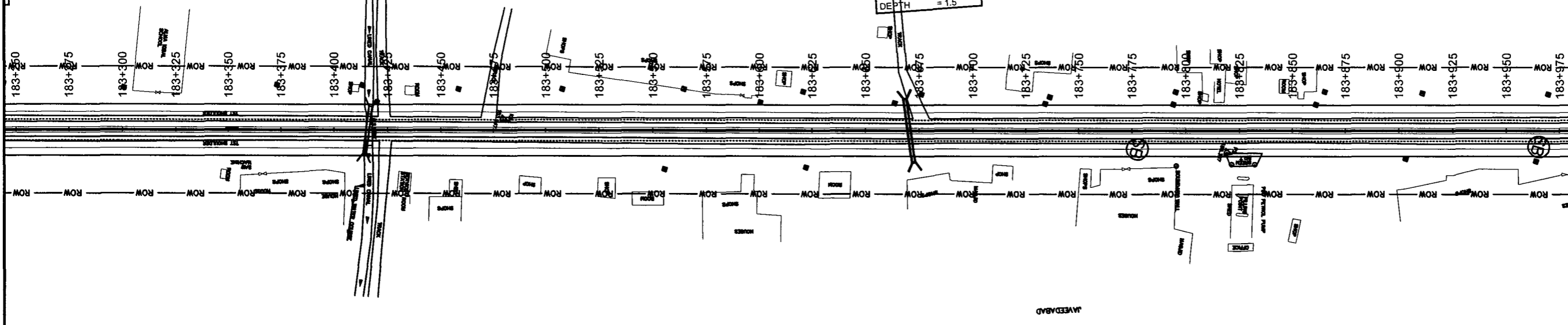
CAD FILE NAME:
 CAREC/T-III/TD/020

CH	N.S.L	P.G.L	VCD	HCD
182+560	152.430	152.573		
182+625	152.410	152.590		
182+650	152.439	152.607		
182+675	152.426	152.624		
182+700	152.387	152.641		
182+725	152.464	152.659		
182+750	152.554	152.684		
182+775	152.538	152.722		
182+800	152.572	152.773		
182+825	152.566	152.837		
182+850	152.659	152.914		
182+875	152.712	153.004		
182+900	152.806	153.100		
182+925	152.981	153.196		
182+950	153.089	153.292		
182+975	153.236	153.387		
183+000	153.248	153.483		
183+025	153.345	153.579		
183+050	153.447	153.675		
183+075	153.628	153.770		
183+100	153.775	153.866		
183+125	153.843	153.962		
183+150	153.935	154.058		
183+175	154.032	154.153		
183+200	154.137	154.249		
183+225	154.148	154.345		
183+250	154.189	154.441		
183+274	154.347	154.533		

Grade (0.38%)
 Tangent Length (407.65)
 Chainage (183+280.35)
 Elevation (154.56)

BOX CULVERT
 STATION=183+415
 SKEW = 0'
 No. OF CELL = 01
 WIDTH = 2.5
 DEPTH = 1.5

BOX CULVERT
 STATION = 183+670
 SKEW = 0'
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



Station	CH	N.S.L	P.G.L	VCD	HCD
183+275	154.336	154.336	154.336		
183+300	154.630	154.541	154.630		
183+325	154.719	154.608	154.719		
183+350	154.801	154.696	154.801		
183+375	154.878	154.778	154.878		
183+400	154.949	154.802	154.949		
183+425	155.015	154.811	155.015		
183+450	155.076	154.917	155.076		
183+475	155.137	154.929	155.137		
183+500	155.198	155.056	155.198		
183+525	155.260	155.096	155.260		
183+550	155.321	155.166	155.321		
183+575	155.382	155.235	155.382		
183+600	155.443	155.216	155.443		
183+625	155.505	155.315	155.505		
183+650	155.566	155.331	155.566		
183+675	155.627	155.393	155.627		
183+700	155.684	155.481	155.684		
183+725	155.730	155.598	155.730		
183+750	155.765	155.603	155.765		
183+775	155.789	155.635	155.789		
183+800	155.802	155.697	155.802		
183+825	155.804	155.724	155.804		
183+850	155.800	155.722	155.800		
183+875	155.796	155.688	155.796		
183+900	155.791	155.707	155.791		
183+925	155.787	155.704	155.787		
183+950	155.783	155.672	155.783		

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

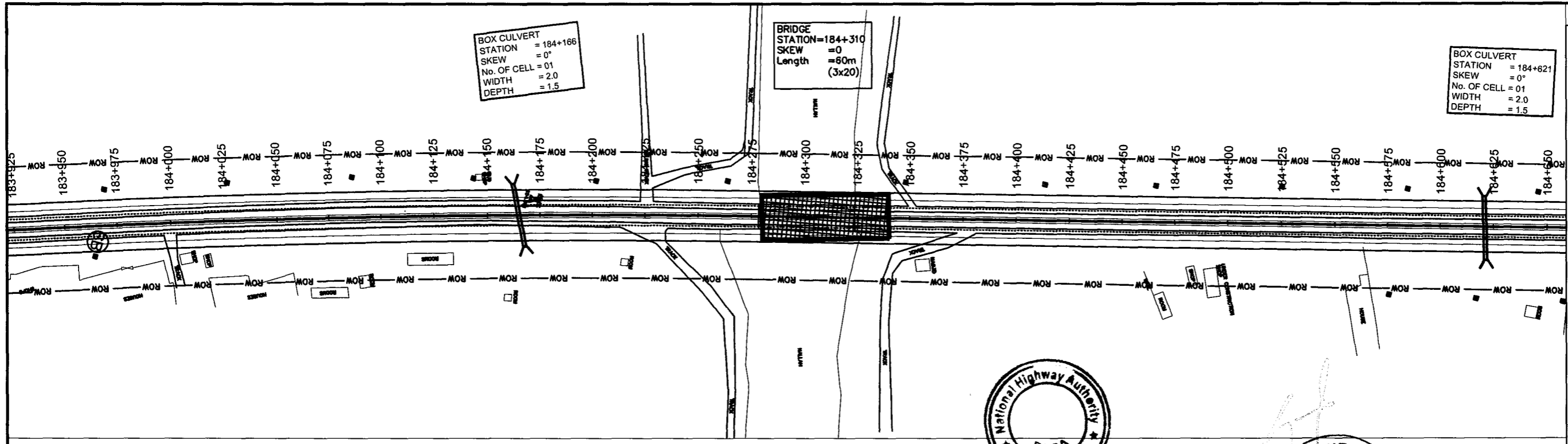
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD In Joint Venture With SAMAN CORPORATION
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 183+274.23 - 183+951.65

DESIGN BY: A.S	SHEET NO: 94 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

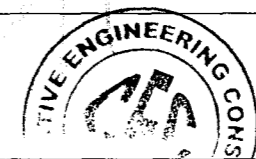
CAD FILE NAME:
 CAREC/T-III/TD/020



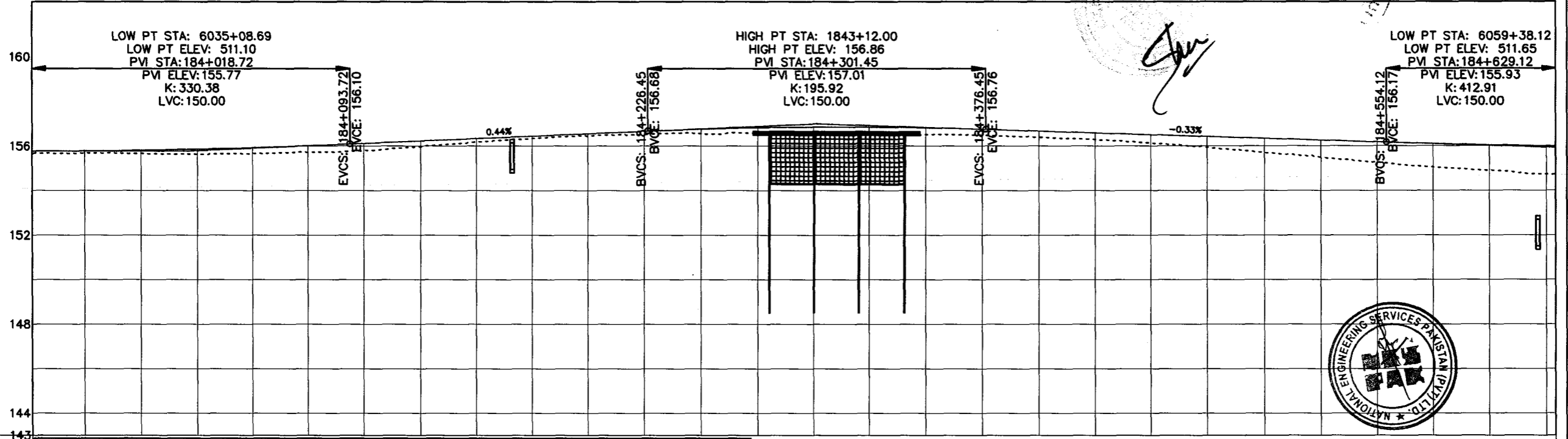
BOX CULVERT
 STATION = 184+166
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BRIDGE
 STATION = 184+310
 SKEW = 0
 Length = 60m
 (3x20)

BOX CULVERT
 STATION = 184+621
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5



Signature



LOW PT STA: 6035+08.69
 LOW PT ELEV: 511.10
 PVI STA: 184+018.72
 PVI ELEV: 155.77
 K: 330.38
 LVC: 150.00

HIGH PT STA: 1843+12.00
 HIGH PT ELEV: 156.86
 PVI STA: 184+301.45
 PVI ELEV: 157.01
 K: 195.92
 LVC: 150.00

LOW PT STA: 6059+38.12
 LOW PT ELEV: 511.65
 PVI STA: 184+629.12
 PVI ELEV: 155.93
 K: 412.91
 LVC: 150.00

L=320.63m
 R=5000.00m

L=1633.84m

Grade (0.44%)
 Tangent Length (132.73)
 Chainage (184+226.45)
 Elevation (156.68)

Grade (-0.33%)
 Tangent Length (177.67)
 Chainage (184+554.12)
 Elevation (156.17)

Station	HCD	VCD	P.G.L	N.S.L	CH
183+950			155.783	155.672	155.783
183+975			155.793	155.665	155.793
184+000			155.822	155.675	155.822
184+025			155.869	155.630	155.869
184+050			155.936	155.657	155.936
184+075			156.022	155.716	156.022
184+100			156.126	155.797	156.126
184+125			156.235	155.972	156.235
184+150			156.344	156.168	156.344
184+175			156.453	156.345	156.453
184+200			156.562	156.458	156.562
184+225			156.671	156.523	156.671
184+250			156.766	156.560	156.766
184+275			156.830	156.572	156.830
184+300			156.861	156.550	156.861
184+325			156.860	156.532	156.860
184+350			156.828	156.513	156.828
184+375			156.763	156.481	156.763
184+400			156.681	156.395	156.681
184+425			156.599	156.289	156.599
184+450			156.517	156.132	156.517
184+475			156.434	155.945	156.434
184+500			156.352	155.692	156.352
184+525			156.270	155.486	156.270
184+550			156.188	155.267	156.188
184+575			156.111	155.043	156.111
184+600			156.049	154.907	156.049
184+625			155.992	154.726	155.992
184+650			155.936	154.521	155.936

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 183+951.65 - 184+629.08

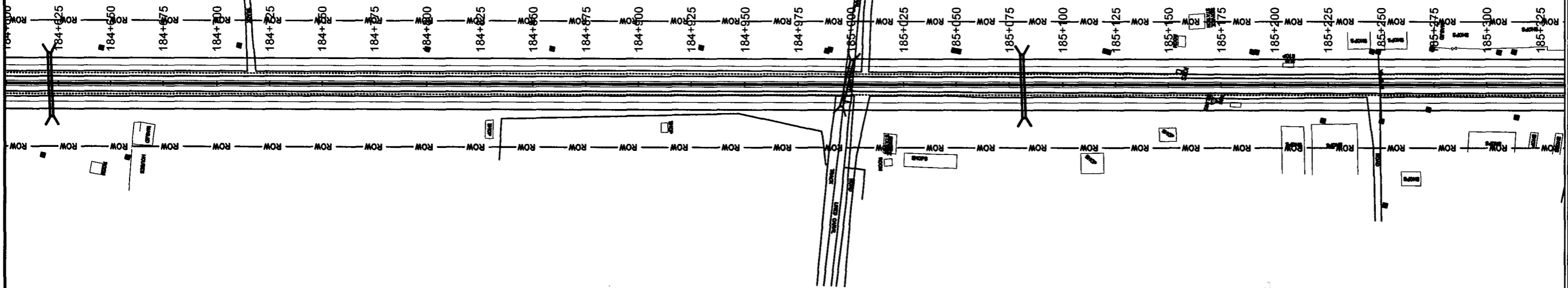
DESIGN BY: A.S	SHEET NO: 95 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020

BOX CULVERT
STATION = 184+621
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERT
STATION = 184+998
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.0
DEPTH = 1.0

BOX CULVERT
STATION = 185+082
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

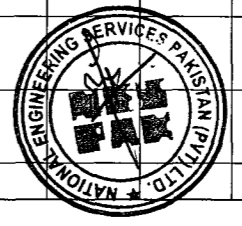
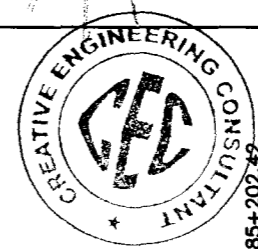
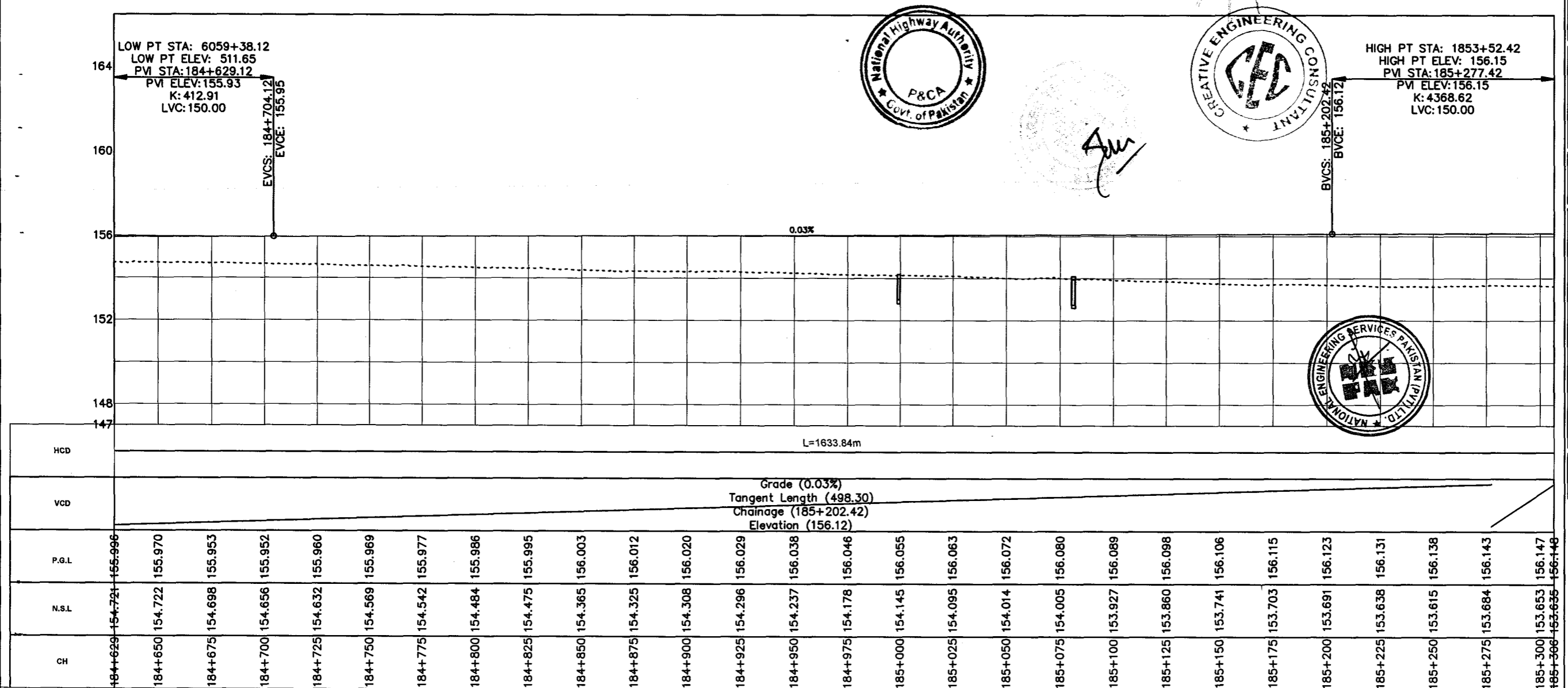
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CBC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
184+629.08 - 185+306.50

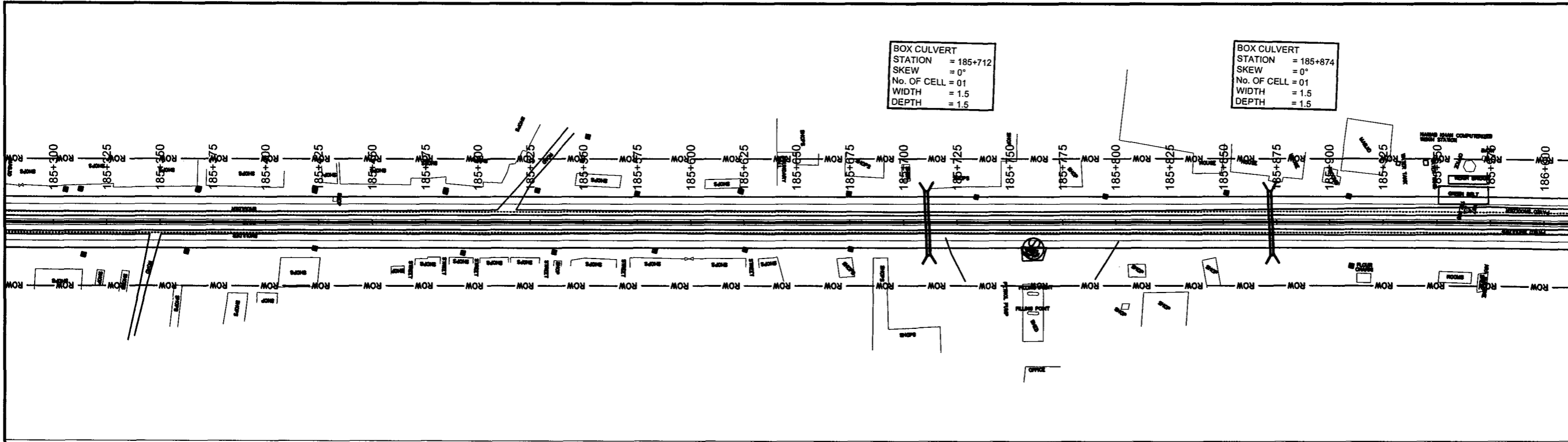
DESIGN BY: A.S	SHEET NO.: 96 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/020



L=1633.84m

Grade (0.03%)
Tangent Length (498.30)
Chainage (185+202.42)
Elevation (156.12)



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

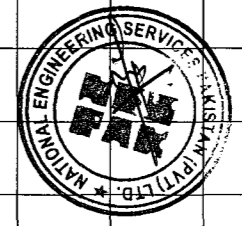
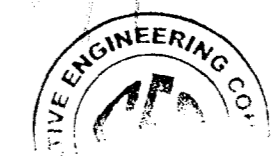
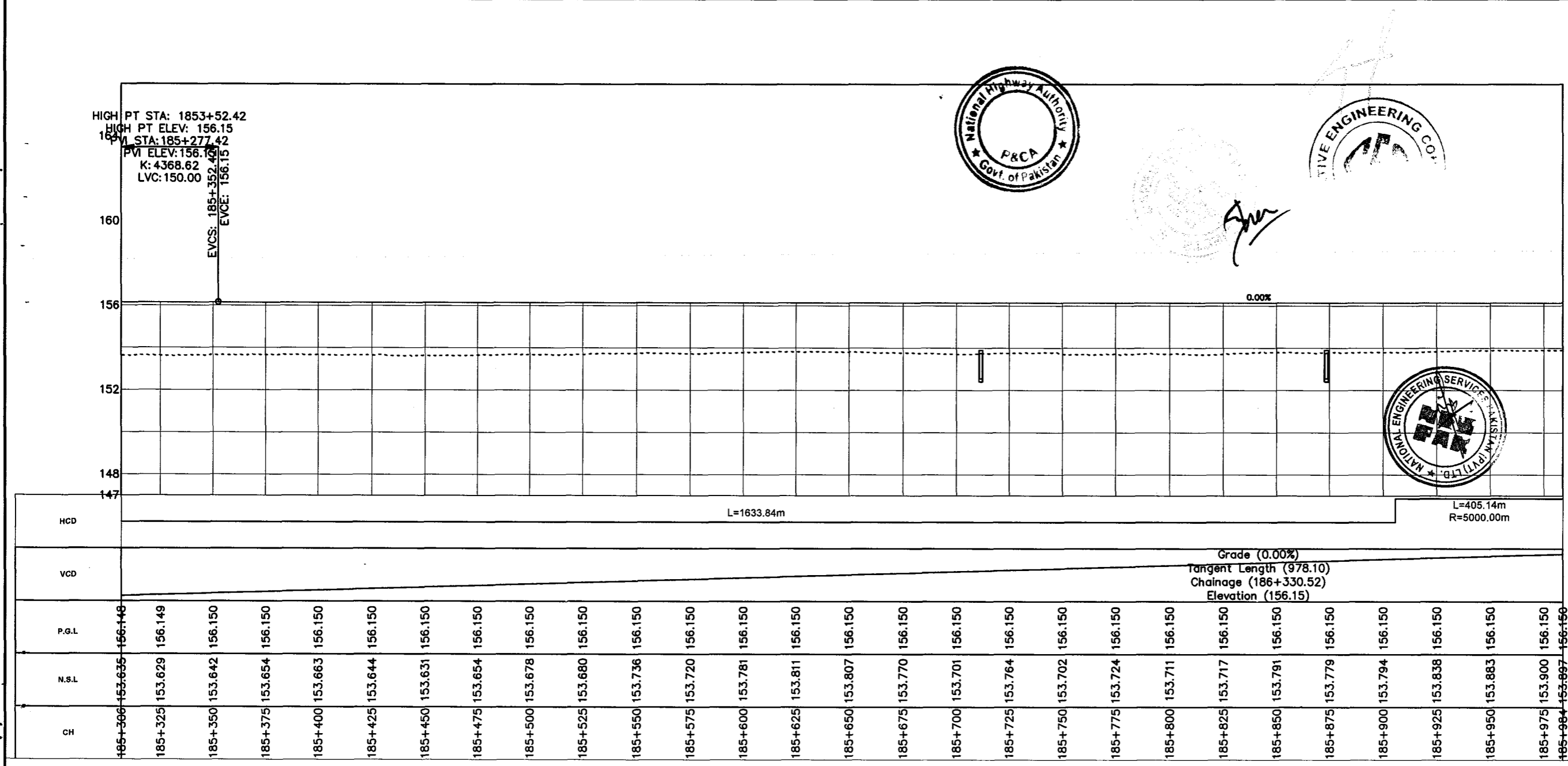
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 185+306.50 - 185+983.92

DESIGN BY: A.S	SHEET NO: 97 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



BOX CULVERT
STATION = 186+064
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5

BOX CULVERT
STATION = 186+133
SKEW = 0°
No. OF CELL = 04
WIDTH = 1.5
DEPTH = 1.2

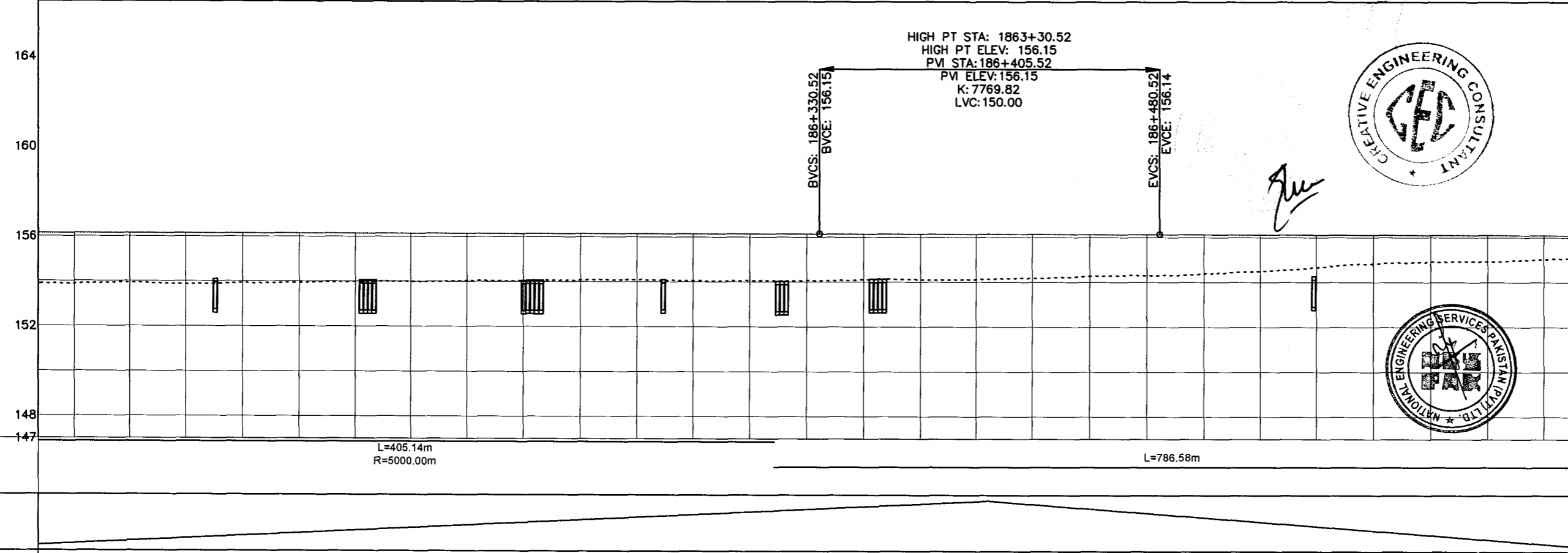
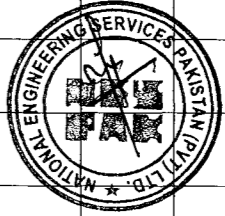
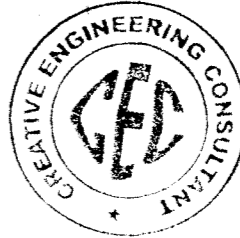
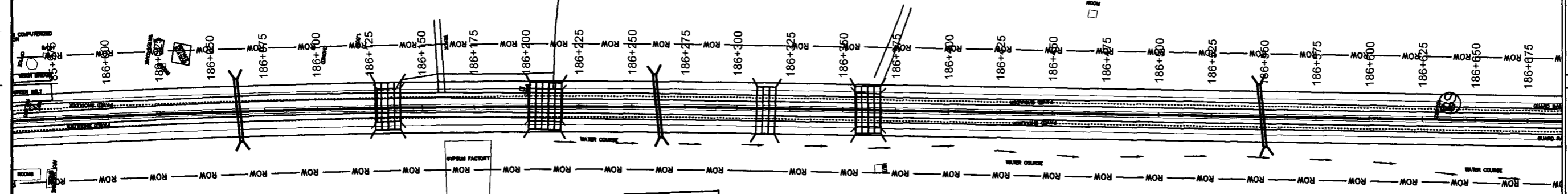
BOX CULVERT
STATION = 186+207
SKEW = 0°
No. OF CELL = 05
WIDTH = 1.5
DEPTH = 1.2

BOX CULVERT
STATION = 186+313
SKEW = 0°
No. OF CELL = 03
WIDTH = 1.5
DEPTH = 1.2

BOX CULVERT
STATION = 186+360
SKEW = 0°
No. OF CELL = 04
WIDTH = 1.5
DEPTH = 1.2

BOX CULVERT
STATION = 186+262
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION = 186+549
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.5
DEPTH = 1.5



HCD	L=405.14m R=5000.00m																				L=786.58m																																					
VCD																																																										
P.G.L	186+984	186+000	186+025	186+050	186+075	186+100	186+125	186+150	186+175	186+200	186+225	186+250	186+275	186+300	186+325	186+350	186+375	186+400	186+425	186+450	186+475	186+500	186+525	186+550	186+575	186+600	186+625	186+650	186+661	153.897	153.866	153.937	153.867	153.930	153.941	153.977	154.002	154.045	154.042	154.085	154.081	154.057	154.051	154.077	154.106	154.094	154.131	154.177	154.276	154.296	154.377	154.483	154.661	154.823	154.905	154.940	155.020	155.062
N.S.L	186+984	186+000	186+025	186+050	186+075	186+100	186+125	186+150	186+175	186+200	186+225	186+250	186+275	186+300	186+325	186+350	186+375	186+400	186+425	186+450	186+475	186+500	186+525	186+550	186+575	186+600	186+625	186+650	186+661	153.897	153.866	153.937	153.867	153.930	153.941	153.977	154.002	154.045	154.042	154.085	154.081	154.057	154.051	154.077	154.106	154.094	154.131	154.177	154.276	154.296	154.377	154.483	154.661	154.823	154.905	154.940	155.020	155.062
CH	186+984	186+000	186+025	186+050	186+075	186+100	186+125	186+150	186+175	186+200	186+225	186+250	186+275	186+300	186+325	186+350	186+375	186+400	186+425	186+450	186+475	186+500	186+525	186+550	186+575	186+600	186+625	186+650	186+661	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.150	156.149	156.147	156.144	156.141	156.137	156.132	156.127	156.122	156.117	156.112	156.108	156.103	156.101

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
185+983.92 - 186+661.35

DESIGN BY: A.S	SHEET NO: 98 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/020

BOX CULVERT
STATION=186+722
SKEW = 0°
No. OF CELL = 02
WIDTH = 3.0
DEPTH = 1.2

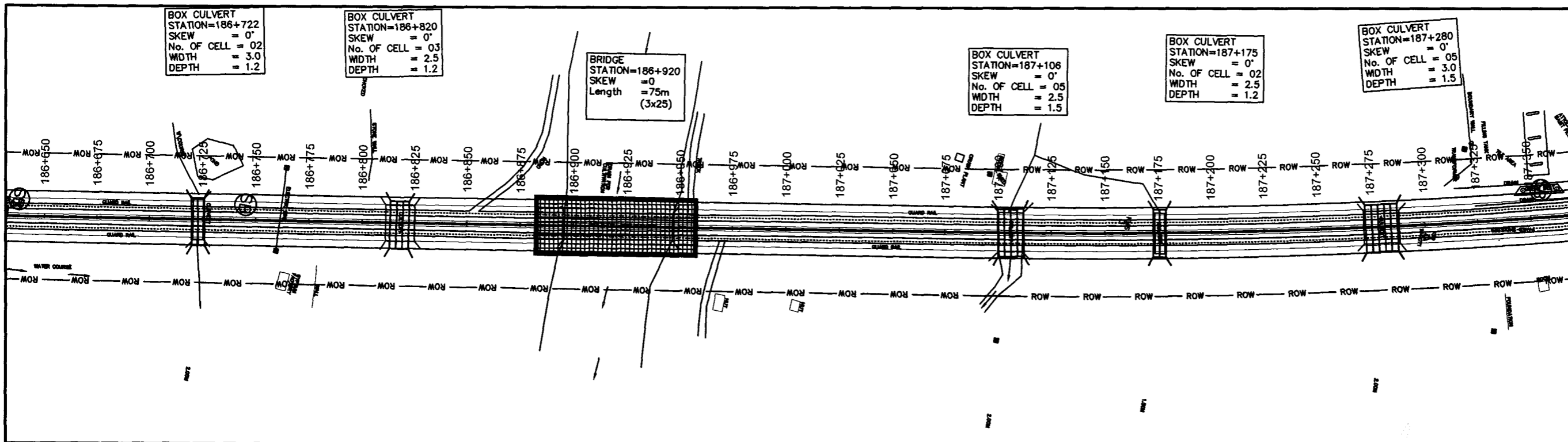
BOX CULVERT
STATION=186+820
SKEW = 0°
No. OF CELL = 03
WIDTH = 2.5
DEPTH = 1.2

BRIDGE
STATION=186+920
SKEW = 0°
Length = 75m
(3x25)

BOX CULVERT
STATION=187+106
SKEW = 0°
No. OF CELL = 05
WIDTH = 2.5
DEPTH = 1.5

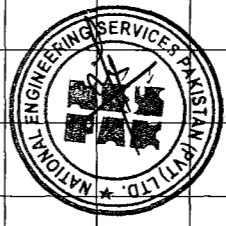
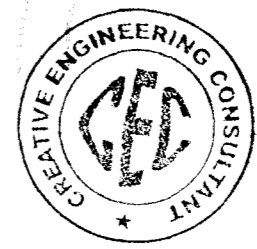
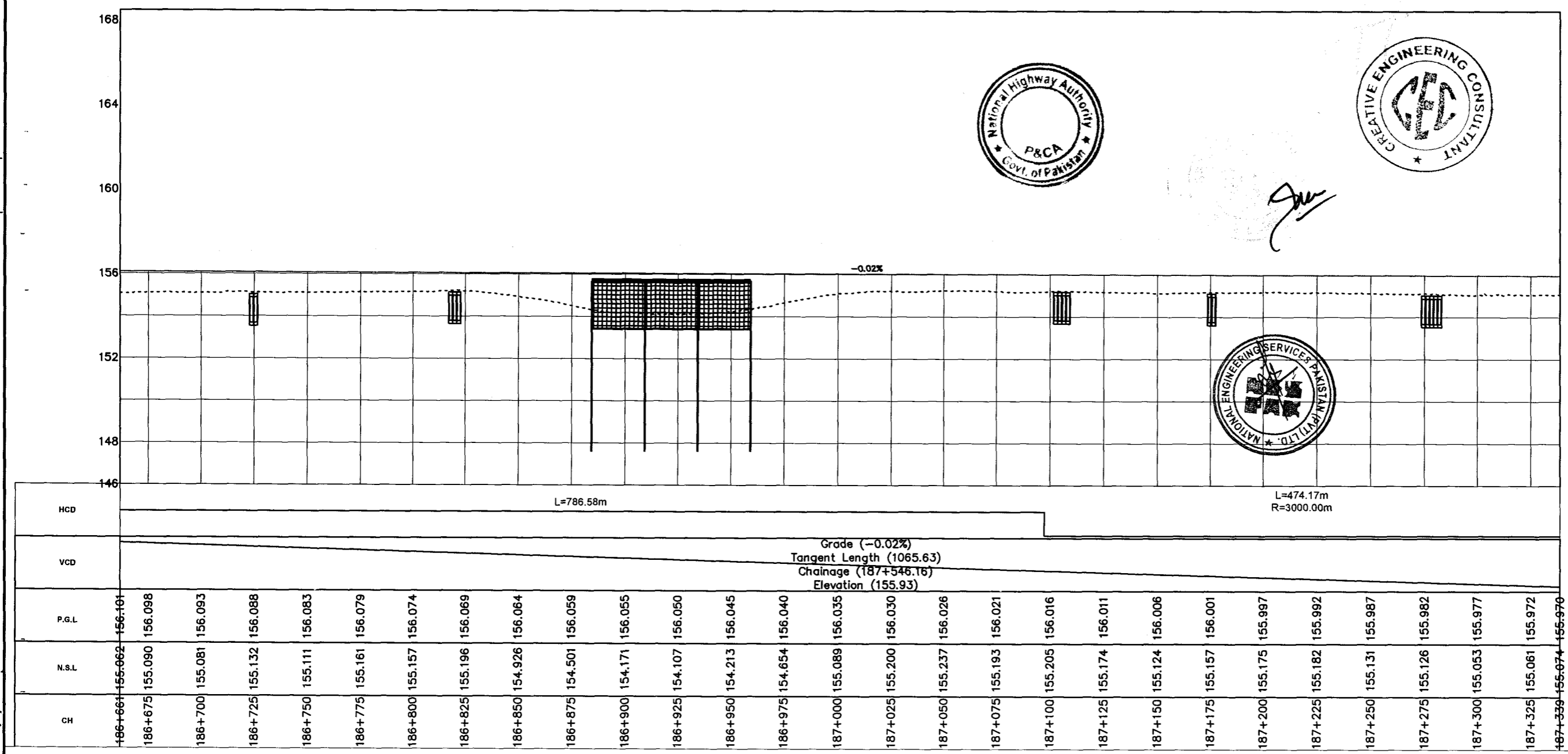
BOX CULVERT
STATION=187+175
SKEW = 0°
No. OF CELL = 02
WIDTH = 2.5
DEPTH = 1.2

BOX CULVERT
STATION=187+280
SKEW = 0°
No. OF CELL = 05
WIDTH = 3.0
DEPTH = 1.5



NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

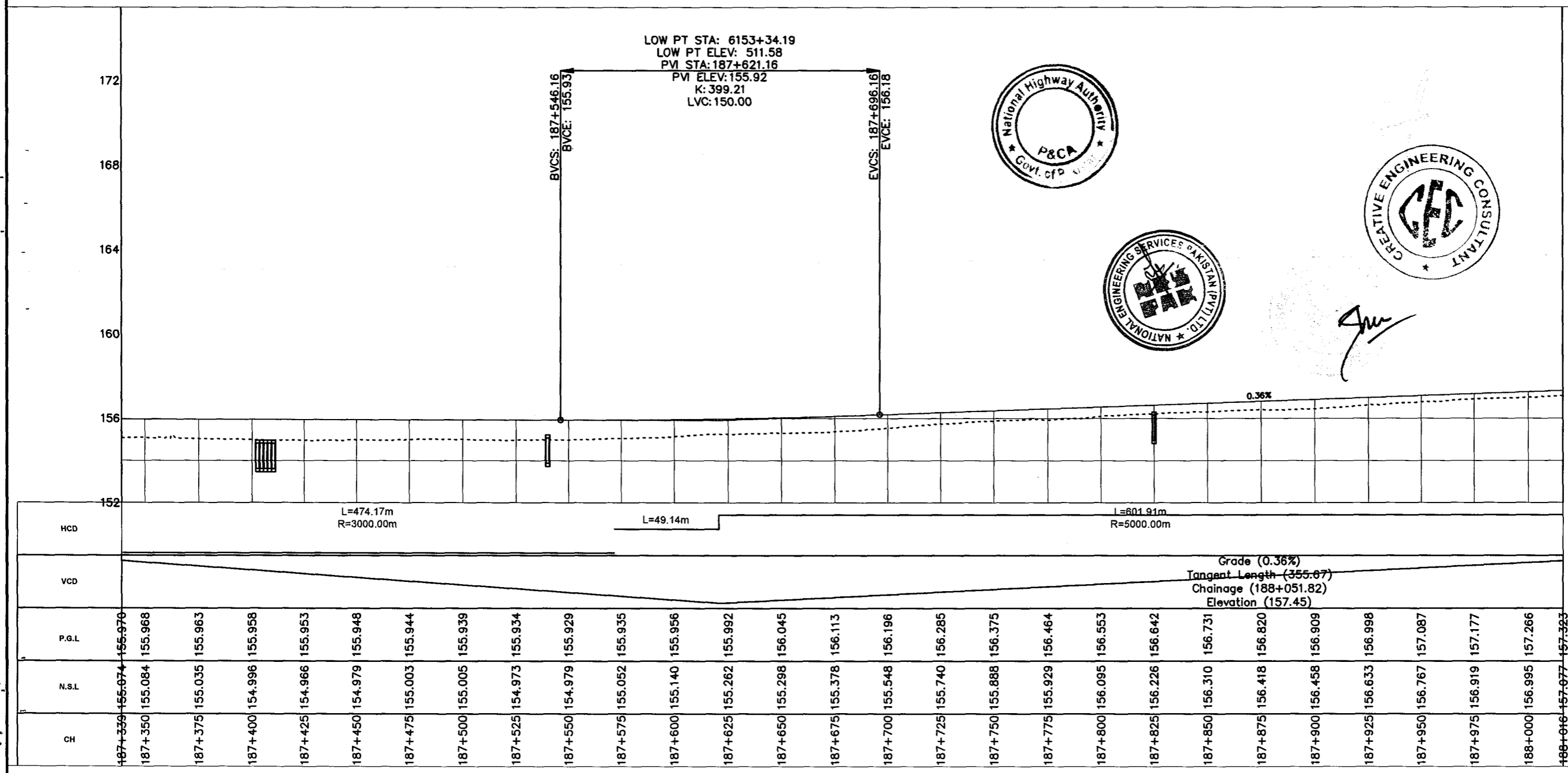
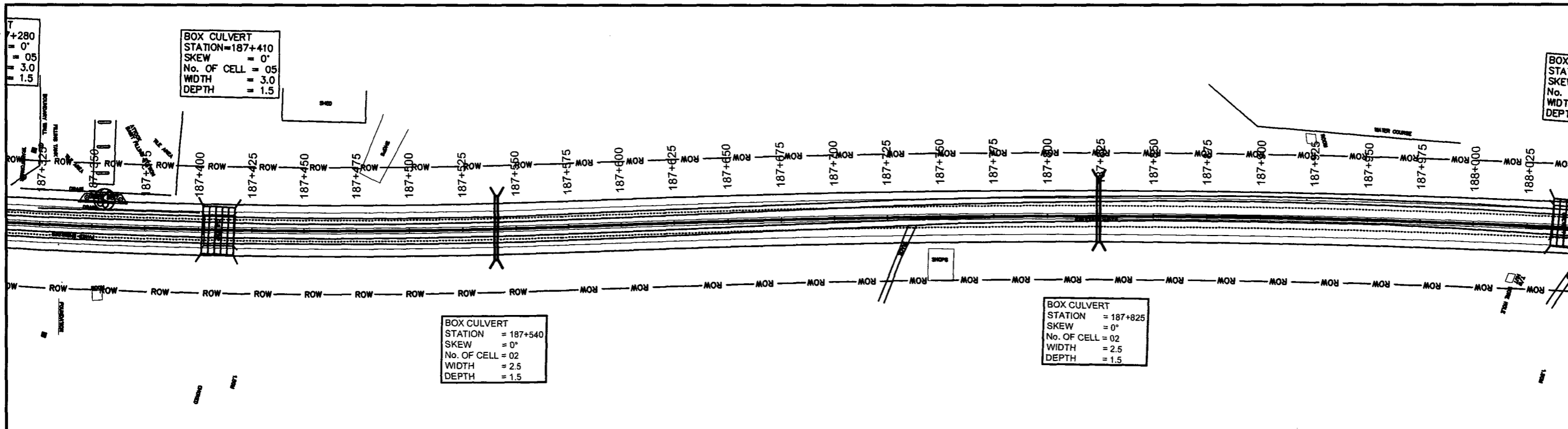
CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
186+661.35 - 187+338.77

DESIGN BY: A.S	SHEET NO.: 99 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/020



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)

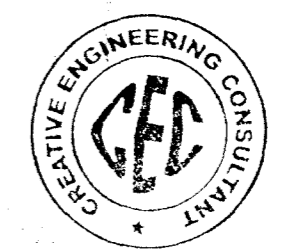
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
187+338.77 - 188+016.19

DESIGN BY: A.S	SHEET NO: 100 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

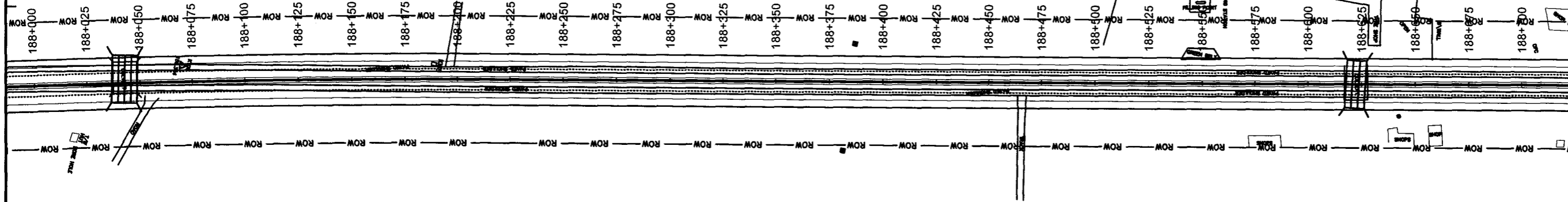
CAD FILE NAME:
CAREC/T-III/TD/020



Signature

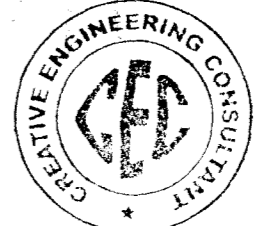
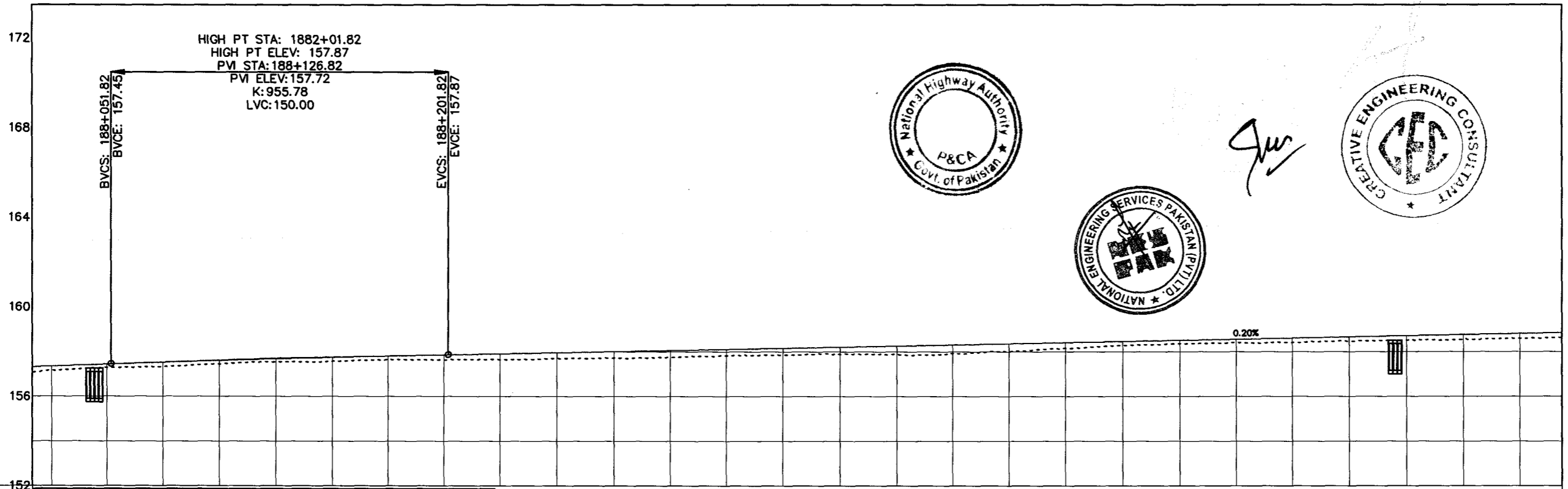
BOX CULVERT
STATION=188+041
SKEW = 0°
No. OF CELL = 04
WIDTH = 3.0
DEPTH = 1.5

BOX CULVERT
STATION=188+621
SKEW = 0°
No. OF CELL = 03
WIDTH = 1.5
DEPTH = 1.2



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS

LEGEND

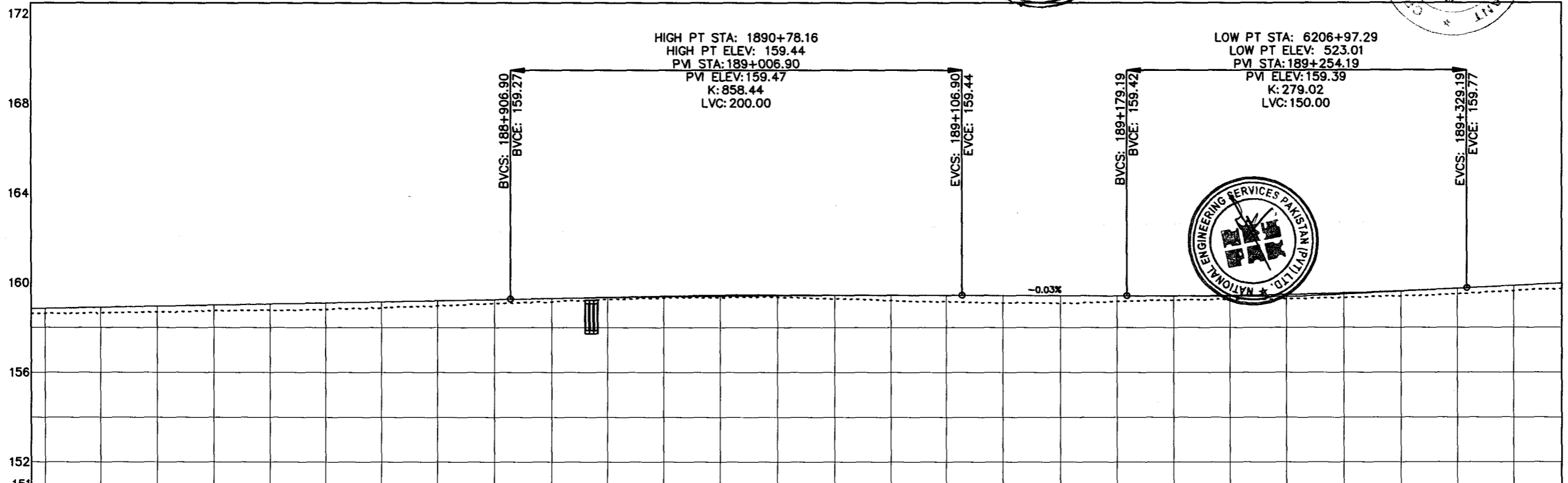
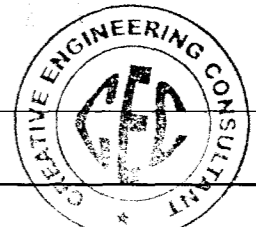
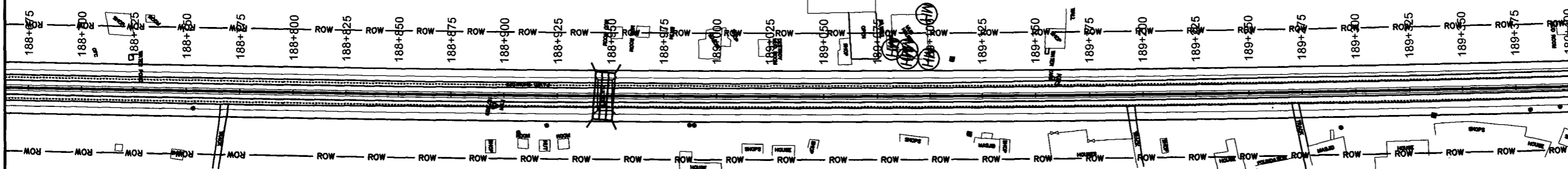


Signature

Station	HCD	VCD	P.G.L	N.S.L	CH
188+016			157.323	157.077	188+016
188+025			157.355	157.161	188+025
188+050			157.444	157.281	188+050
188+075			157.530	157.341	188+075
188+100			157.610	157.449	188+100
188+125			157.683	157.540	188+125
188+150			157.750	157.569	188+150
188+175			157.810	157.648	188+175
188+200			157.864	157.632	188+200
188+225			157.914	157.640	188+225
188+250			157.963	157.699	188+250
188+275			158.013	157.719	188+275
188+300			158.063	157.751	188+300
188+325			158.113	157.828	188+325
188+350			158.163	157.852	188+350
188+375			158.213	157.885	188+375
188+400			158.263	157.884	188+400
188+425			158.313	157.926	188+425
188+450			158.362	158.007	188+450
188+475			158.412	158.155	188+475
188+500			158.462	158.272	188+500
188+525			158.512	158.351	188+525
188+550			158.562	158.411	188+550
188+575			158.612	158.399	188+575
188+600			158.662	158.462	188+600
188+625			158.712	158.515	188+625
188+650			158.761	158.524	188+650
188+675			158.811	158.580	188+675
188+694			158.848	158.623	188+694

REV.	REVISION/ISSUE	DATE
PROJECT:		
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km) PACKAGE-1 (Km 121+500 TO Km 233+200)		
CLIENT:		
NATIONAL HIGHWAYS AUTHORITY (NHA)		
CONSULTANTS:		
MINCONSULT. SDN BHD In Joint Venture With		
SAMAN CORPORATION		
SHELADIA ASSOCIATES		
CEC		
AAA		
ACE		
AA		
ACC		
DRAWING TITLE:		
PLAN & PROFILE		
188+016.19 - 188+693.61		
DESIGN BY:	SHEET NO:	
A.S	101 of 170	
DRAWN BY:	SCALE: H = 1:2000 V = 1:100	
S.A		
CHECKED BY:	DATE:	
A.S	APRIL, 2024	
APPROVED BY:	REVISION:	
CAD FILE NAME:		
CAREC/T-III/TD/020		

BOX CULVERT
 STATION=188+946
 SKEW = 0°
 No. OF CELL = 03
 WIDTH = 1.5
 DEPTH = 1.2



HCD	L=572.73m															L=931.11m R=15000.00m														
VCD	Grade (-0.03%) Tangent Length (72.29) Chainage (189+179.19) Elevation (159.42)																													
P.G.L	188+694	188+700	188+725	188+750	188+775	188+800	188+825	188+850	188+875	188+900	188+925	188+950	188+975	189+000	189+025	189+050	189+075	189+100	189+125	189+150	189+175	189+200	189+225	189+250	189+275	189+300	189+325	189+350	189+375	
N.S.L	158.623	158.633	158.640	158.697	158.741	158.767	158.822	158.887	158.973	159.081	159.143	159.249	159.307	159.336	159.356	159.283	159.207	159.161	159.095	159.081	159.156	159.223	159.258	159.279	159.333	159.405	159.503	159.630	159.874	
CH	188+694	188+700	188+725	188+750	188+775	188+800	188+825	188+850	188+875	188+900	188+925	188+950	188+975	189+000	189+025	189+050	189+075	189+100	189+125	189+150	189+175	189+200	189+225	189+250	189+275	189+300	189+325	189+350	189+375	

NOTES
 1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

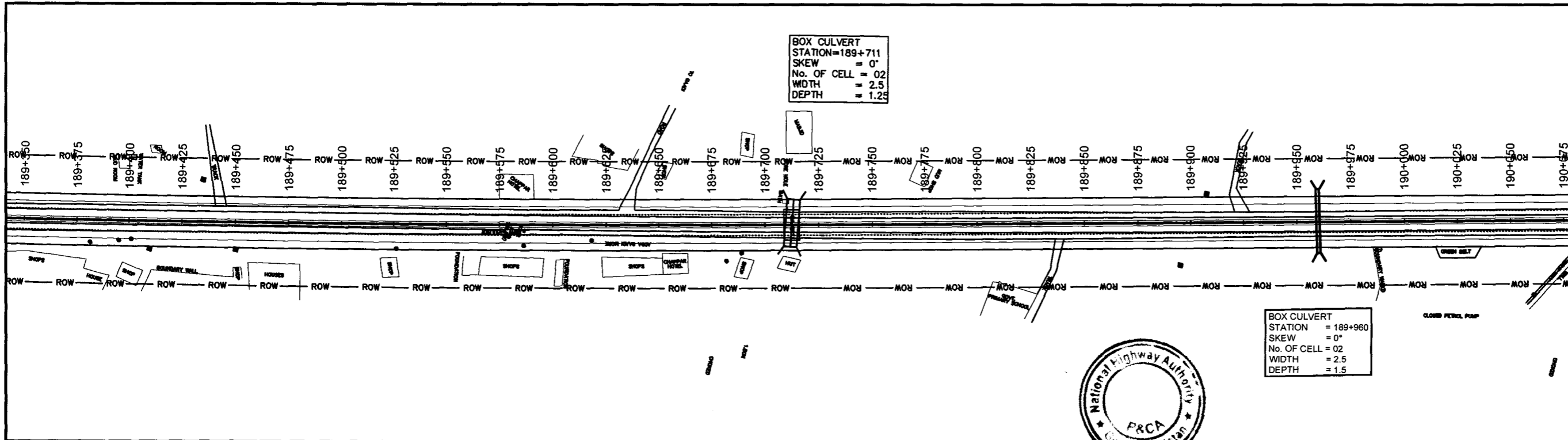
CONSULTANTS:

- MINCONSULT, SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 188+693.61 - 189+371.04

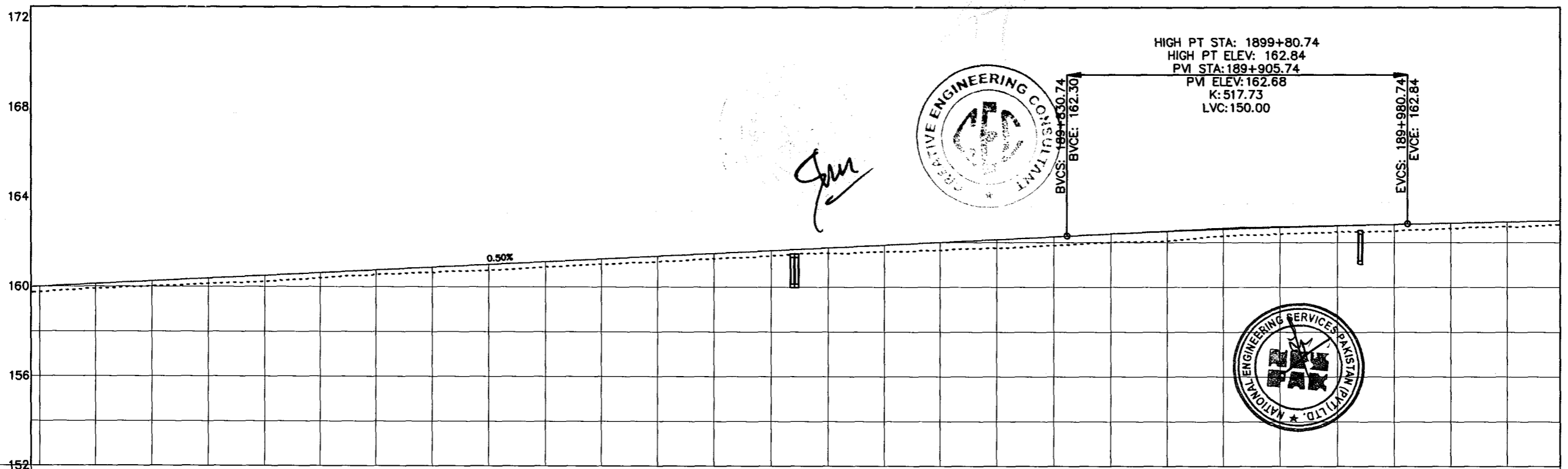
DESIGN BY: A.S	SHEET NO: 102 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



BOX CULVERT
 STATION=189+711
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 2.5
 DEPTH = 1.25

BOX CULVERT
 STATION = 189+960
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 2.5
 DEPTH = 1.5



HCD	L=931.11m R=15000.00m																				L=91.35m					L=1048.14m				
VCD	Grade (0.50%) Tangent Length (501.55) Chainage (189+830.74) Elevation (162.30)																													
P.G.L	189+375	189+400	189+425	189+450	189+475	189+500	189+525	189+550	189+575	189+600	189+625	189+650	189+675	189+700	189+725	189+750	189+775	189+800	189+825	189+850	189+875	189+900	189+925	189+950	189+975	190+000	190+025	190+875		
N.S.L	158.888	159.904	160.010	160.139	160.223	160.393	160.542	160.641	160.746	160.898	161.013	161.124	161.254	161.406	161.509	161.575	161.655	161.760	161.864	162.009	162.075	162.294	162.372	162.453	162.521	162.617	162.716	162.931		
CH	189+375	189+400	189+425	189+450	189+475	189+500	189+525	189+550	189+575	189+600	189+625	189+650	189+675	189+700	189+725	189+750	189+775	189+800	189+825	189+850	189+875	189+900	189+925	189+950	189+975	190+000	190+025	190+875		

NOTES
 1:- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

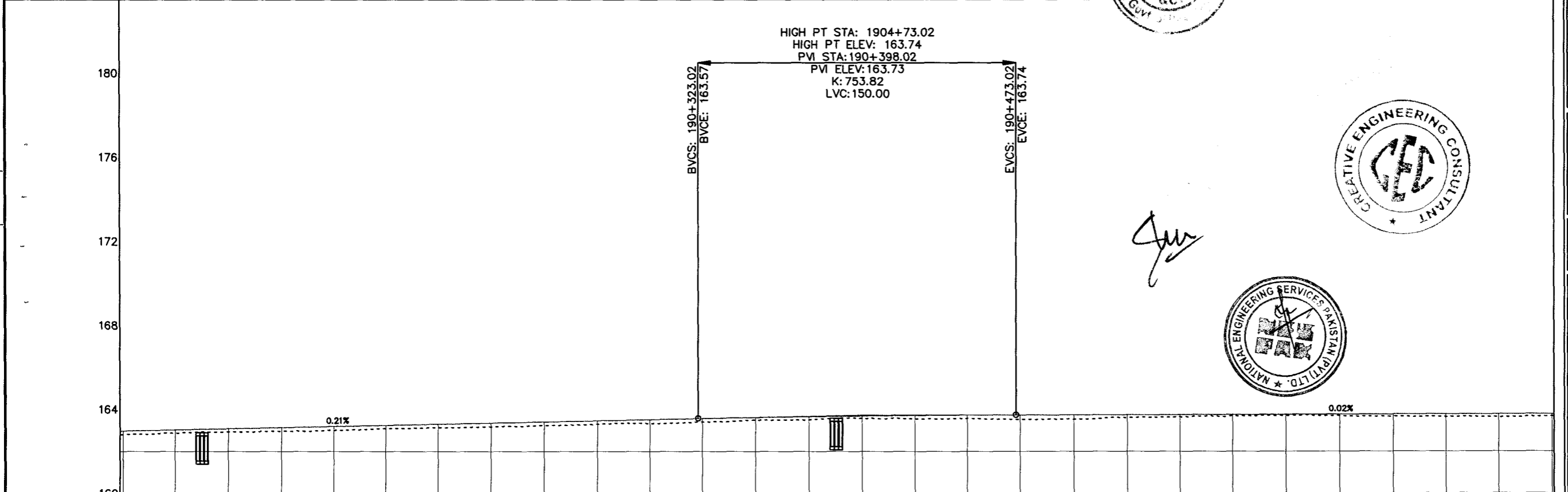
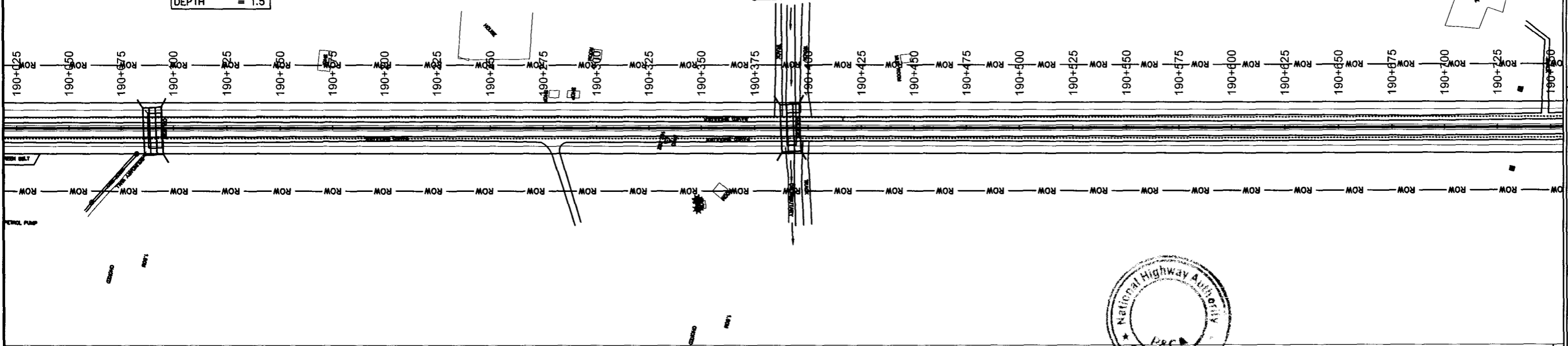
DRAWING TITLE:
 PLAN & PROFILE
 189+371.04 - 190+048.46

DESIGN BY: A.S	SHEET NO: 103 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020

BOX CULVERT
 STATION=190+090
 SKEW = 0°
 No. OF CELL = 03
 WIDTH = 2.5
 DEPTH = 1.5

BOX CULVERT
 STATION=190+390
 SKEW = 0°
 No. OF CELL = 03
 WIDTH = 2.0
 DEPTH = 1.5



Station	HCD	VCD	P.G.L	N.S.L	CH
190+025			162.869	162.869	162.869
190+050			162.877	162.877	162.877
190+075			162.925	162.925	162.925
190+100			163.092	163.092	163.092
190+125			163.145	163.145	163.145
190+150			163.199	163.199	163.199
190+175			163.252	163.252	163.252
190+200			163.306	163.306	163.306
190+225			163.360	163.360	163.360
190+250			163.413	163.413	163.413
190+275			163.467	163.467	163.467
190+300			163.520	163.520	163.520
190+325			163.574	163.574	163.574
190+350			163.623	163.623	163.623
190+375			163.663	163.663	163.663
190+400			163.696	163.696	163.696
190+425			163.719	163.719	163.719
190+450			163.735	163.735	163.735
190+475			163.742	163.742	163.742
190+500			163.746	163.746	163.746
190+525			163.750	163.750	163.750
190+550			163.754	163.754	163.754
190+575			163.758	163.758	163.758
190+600			163.762	163.762	163.762
190+625			163.766	163.766	163.766
190+650			163.769	163.769	163.769
190+675			163.773	163.773	163.773
190+700			163.777	163.777	163.777
190+725			163.781	163.781	163.781

NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

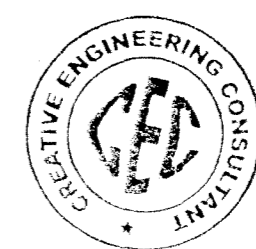
CONSULTANTS:

- MINCONSULT. SDN BHD
In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

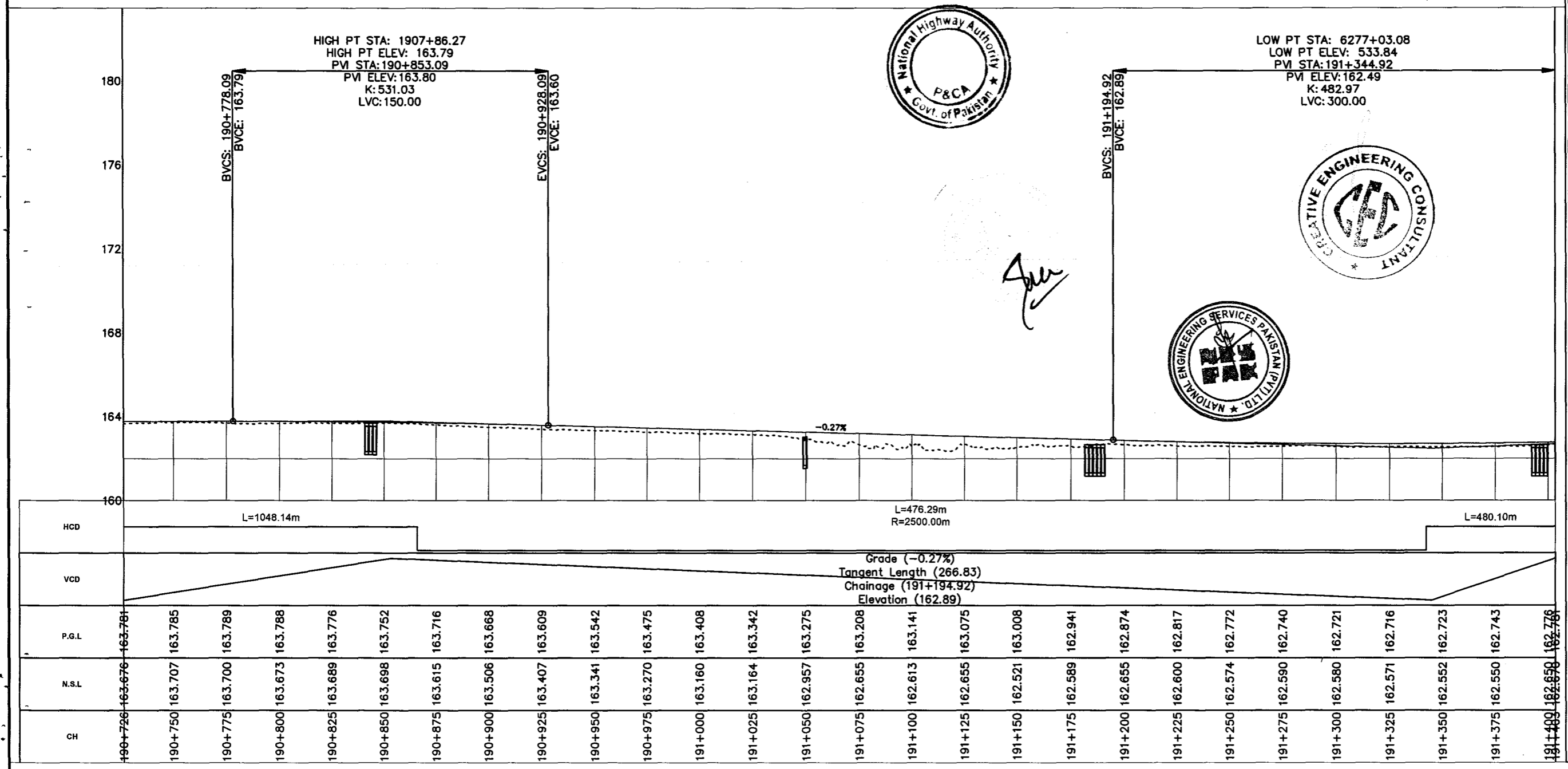
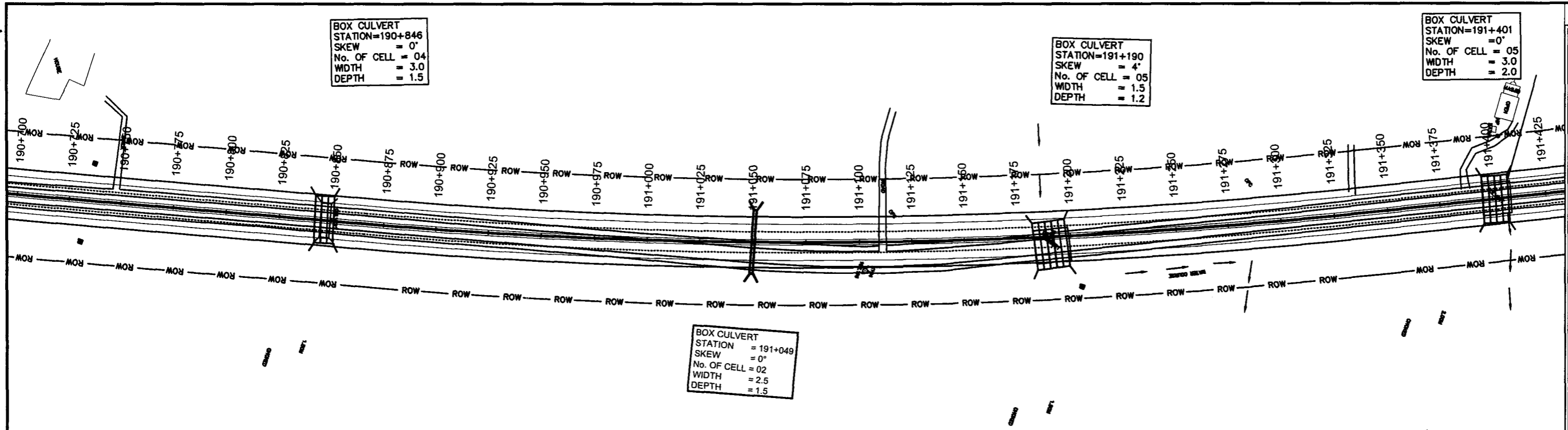
DRAWING TITLE:
 PLAN & PROFILE
 190+048.46 - 190+725.88

DESIGN BY: A.S	SHEET NO.: 104 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



Signature



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

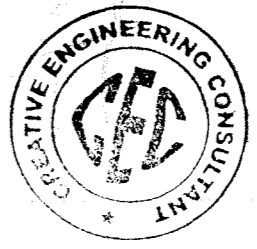
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
190+725.88 - 191+403.31

DESIGN BY: A.S.	SHEET NO.: 105 of 170
DRAWN BY: S.A.	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S.	DATE: APRIL, 2024
APPROVED BY:	REVISION:

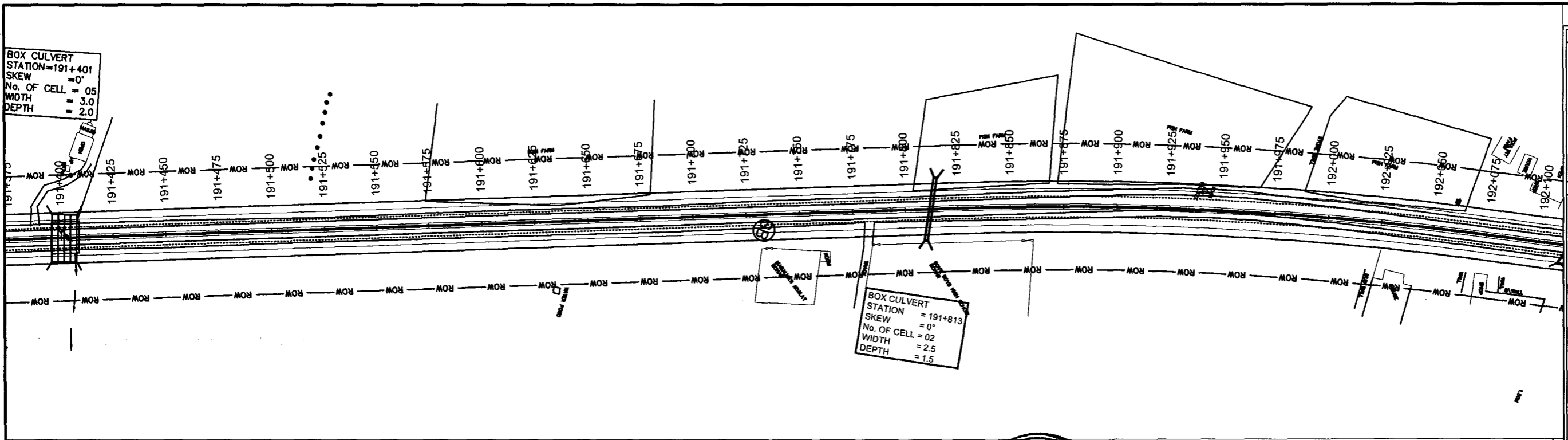
CAD FILE NAME:
CAREC/T-III/TD/020



Signature

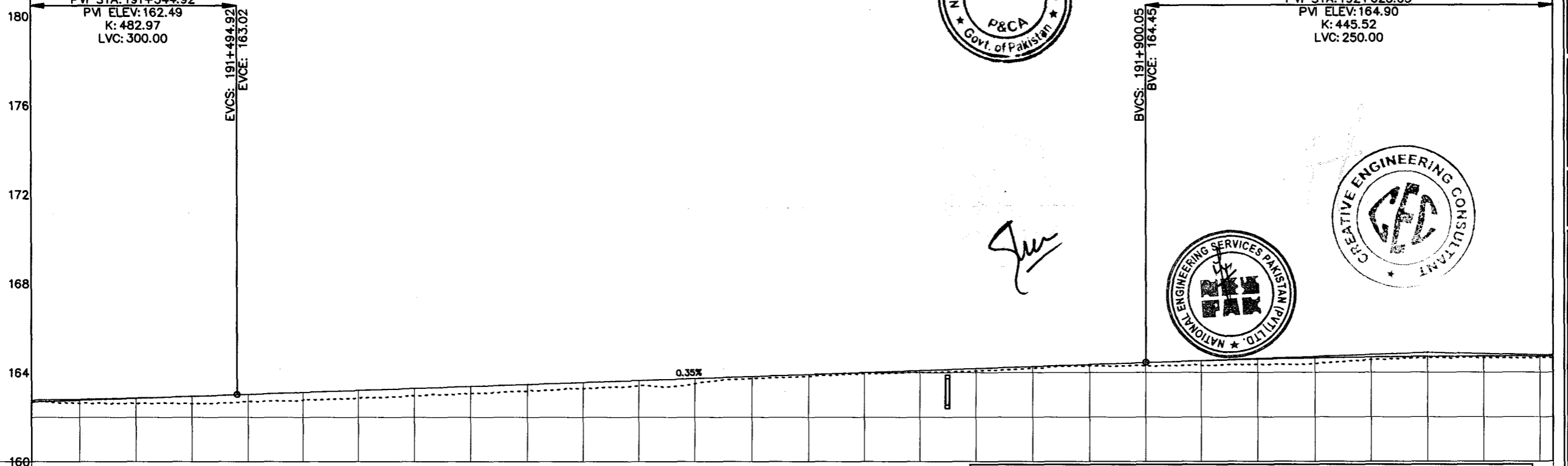
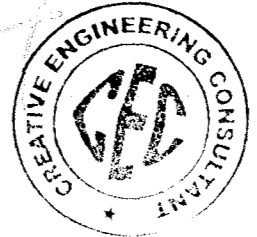
BOX CULVERT
 STATION=191+401
 SKEW = 0°
 No. OF CELL = 05
 WIDTH = 3.0
 DEPTH = 2.0

BOX CULVERT
 STATION = 191+813
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 2.5
 DEPTH = 1.5



LOW PT STA: 6277+03.08
 LOW PT ELEV: 533.84
 PVI STA: 191+344.92
 PVI ELEV: 162.49
 K: 482.97
 LVC: 300.00

HIGH PT STA: 1920+57.81
 HIGH PT ELEV: 164.73
 PVI STA: 192+025.05
 PVI ELEV: 164.90
 K: 445.52
 LVC: 250.00



HCD	L=480.10m										L=249.23m R=1500.00m										L=358.75m
-----	-----------	--	--	--	--	--	--	--	--	--	-------------------------	--	--	--	--	--	--	--	--	--	-----------

Grade (0.35%)
 Tangent Length (405.14)
 Chainage (191+900.05)
 Elevation (164.45)

P.G.L	191+403	191+425	191+450	191+475	191+500	191+525	191+550	191+575	191+600	191+625	191+650	191+675	191+700	191+725	191+750	191+775	191+800	191+825	191+850	191+875	191+900	191+925	191+950	191+975	192+000	192+025	192+050	192+075	192+081
N.S.L	162.781	162.821	162.880	162.952	163.036	163.125	163.213	163.302	163.390	163.479	163.567	163.656	163.745	163.833	163.922	164.010	164.099	164.187	164.276	164.364	164.453	164.534	164.602	164.655	164.695	164.720	164.732	164.729	164.726
CH	162.670	162.631	162.618	162.612	162.719	162.777	162.864	162.969	163.074	163.171	163.290	163.404	163.512	163.744	163.831	163.947	164.025	164.075	164.184	164.305	164.305	164.329	164.358	164.401	164.563	164.656	164.656	164.645	164.643

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

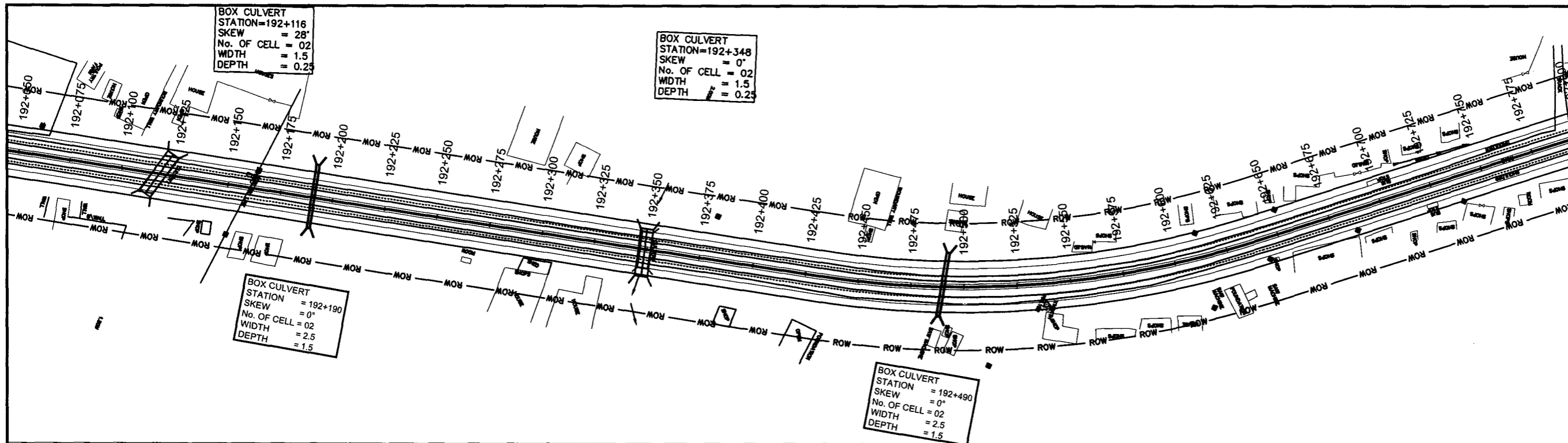
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 191+403.31 - 192+080.73

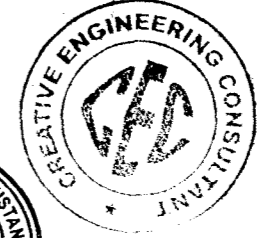
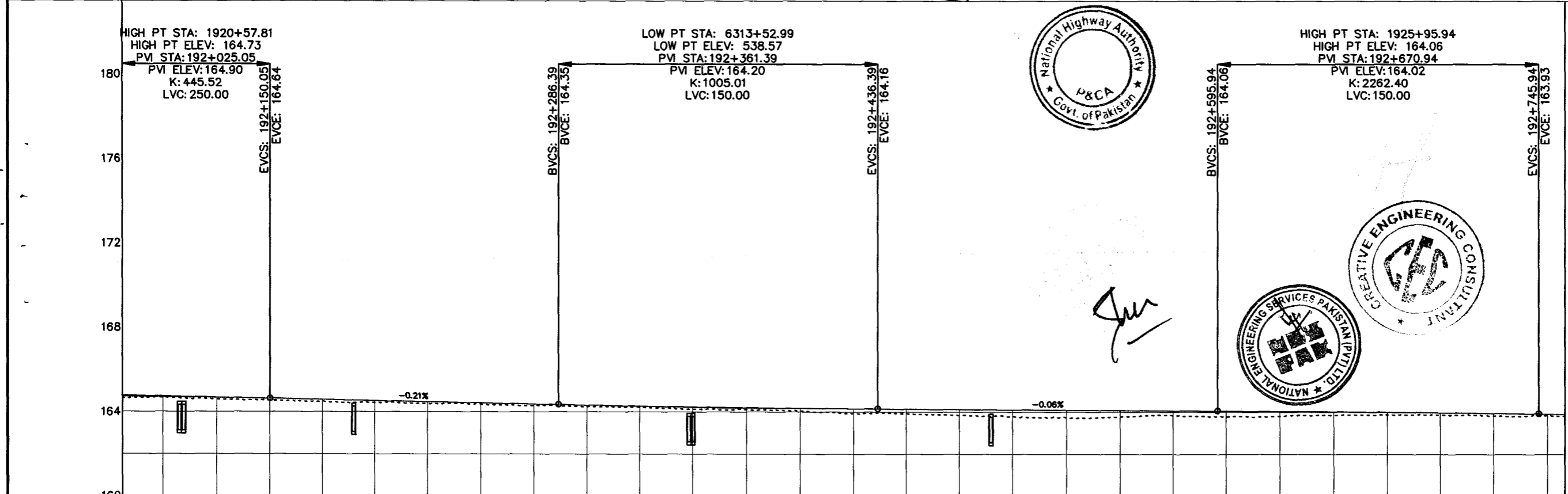
DESIGN BY: A.S	SHEET NO: 106 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Signature

Station	HCD	VCD	P.S.L.	N.S.L.	CH
192+081			164.726	164.643	164.643
192+100			164.712	164.673	164.673
192+125			164.682	164.592	164.592
192+150			164.637	164.536	164.536
192+175			164.585	164.483	164.483
192+200			164.533	164.435	164.435
192+225			164.482	164.387	164.387
192+250			164.430	164.350	164.350
192+275			164.378	164.293	164.293
192+300			164.327	164.260	164.260
192+325			164.282	164.213	164.213
192+350			164.243	164.138	164.138
192+375			164.210	164.104	164.104
192+400			164.183	164.044	164.044
192+425			164.163	163.929	163.929
192+450			164.148	163.930	163.930
192+475			164.133	163.847	163.847
192+500			164.119	163.807	163.807
192+525			164.105	163.730	163.730
192+550			164.090	163.783	163.783
192+575			164.076	163.835	163.835
192+600			164.061	163.775	163.775
192+625			164.045	163.816	163.816
192+650			164.026	163.860	163.860
192+675			164.004	163.874	163.874
192+700			163.980	163.876	163.876
192+725			163.952	163.830	163.830
192+750			163.922	163.842	163.842
192+758			163.912	163.818	163.818

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 km)
PACKAGE-1
(Km 121+500 TO Km 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

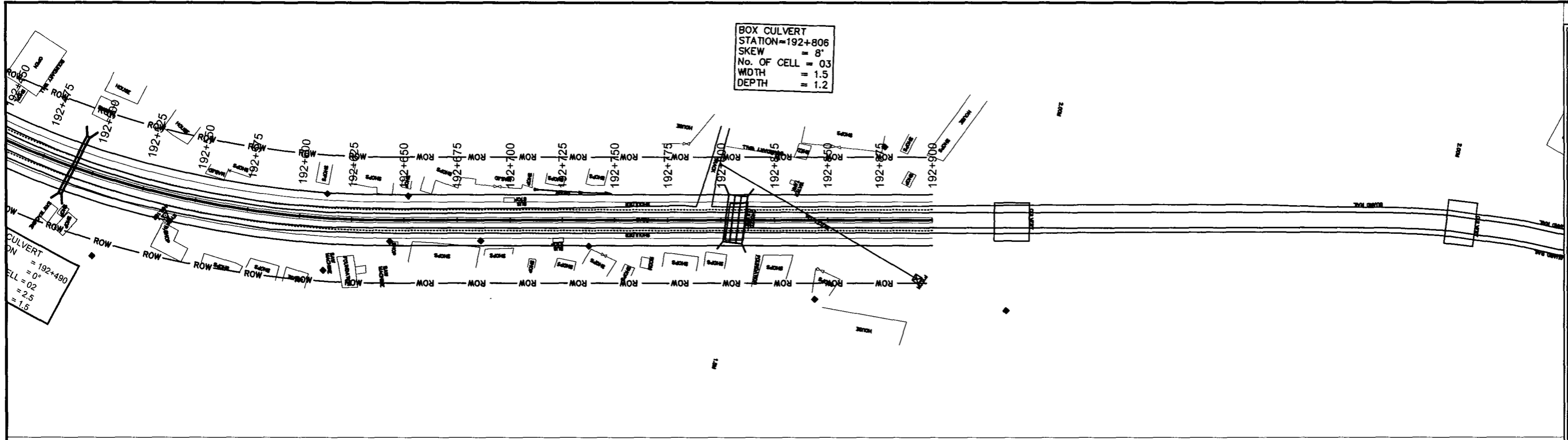
- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
192+080.73 - 192+758.15

DESIGN BY: A S	SHEET NO: 107 of 170
DRAWN BY: S A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/020

BOX CULVERT
 STATION = 192+806
 SKEW = 8°
 No. OF CELL = 03
 WIDTH = 1.5
 DEPTH = 1.2



CULVERT
 STATION = 192+490
 SKEW = 0°
 CELL = 02
 WIDTH = 2.5
 DEPTH = 1.5

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF OG KHAN - DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 km)
 PACKAGE-1
 (Km 121+500 TO Km 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

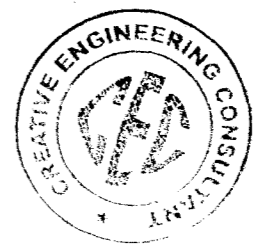
CONSULTANTS:

- MINCONSULT. SDN BHD
In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

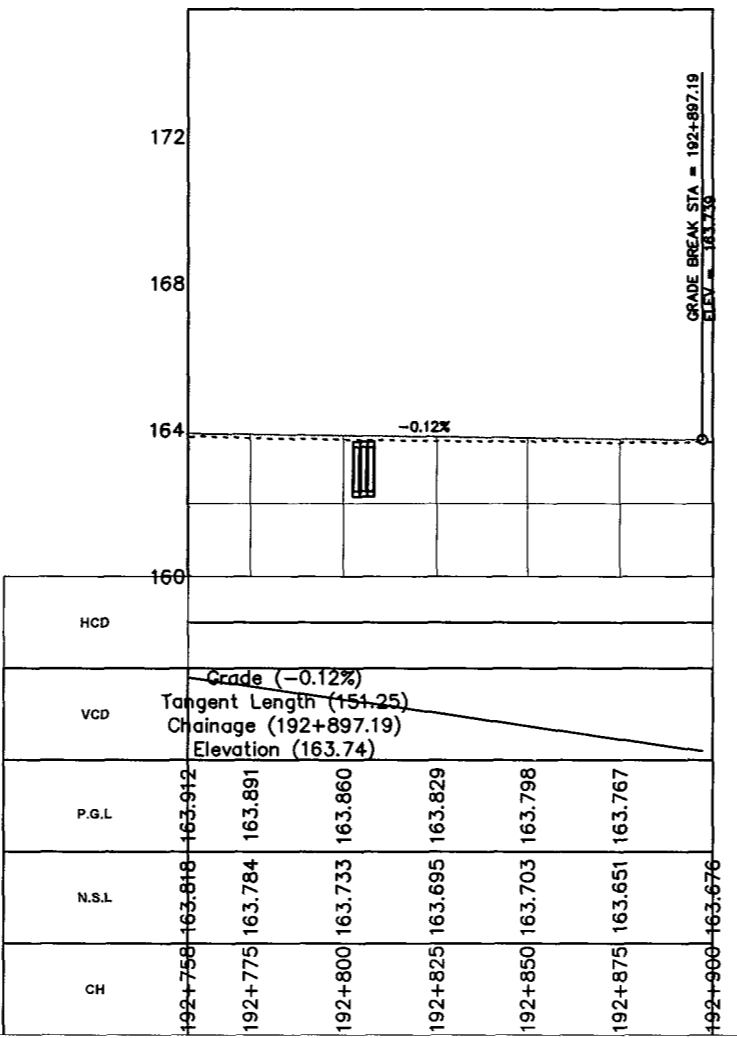
DRAWING TITLE:
 PLAN & PROFILE
 192+758.15 - 192+900.00

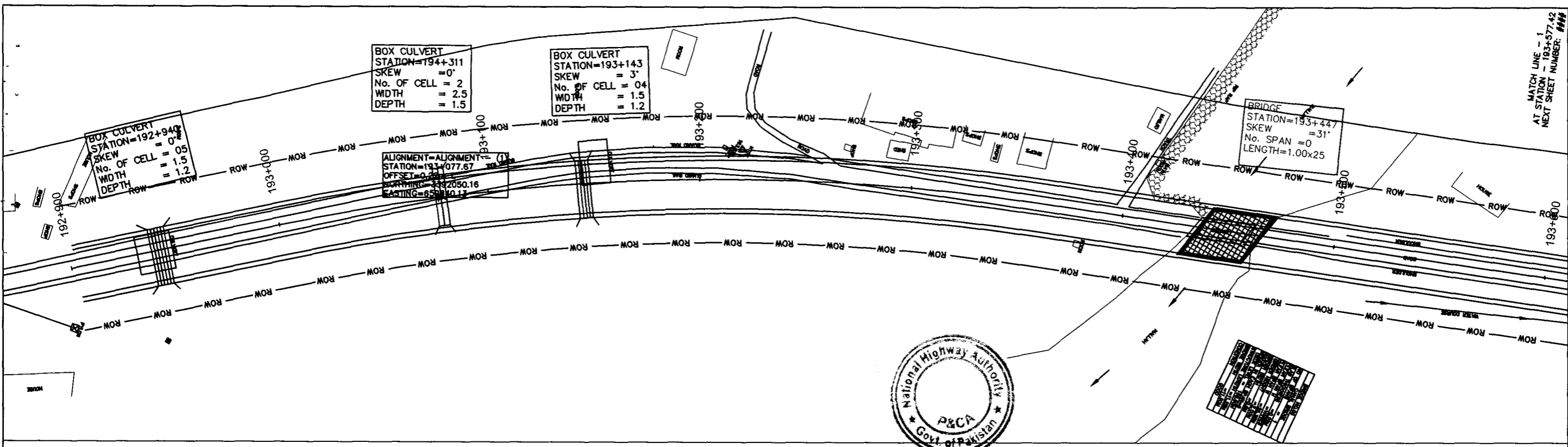
DESIGN BY: A.S.	SHEET NO: 108 of 170
DRAWN BY: S.A.	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S.	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/020



Juan





BOX CULVERT
STATION=194+311
SKEW = 0°
No. OF CELL = 2
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION=193+143
SKEW = 3°
No. OF CELL = 04
WIDTH = 1.5
DEPTH = 1.2

BRIDGE
STATION=193+447
SKEW = 31°
No. SPAN = 0
LENGTH=1.00x25

ALIGNMENT=ALIGNMENT 3
STATION=193+077.67
OFFSET=0.00
NORTHING=2050.16
EASTING=6331.13

MATCH LINE - 1
AT STATION = 193+577.42
NEXT SHEET NUMBER: ###



NOTES

1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS		
REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN
SECTION OF N-65 AS 4-LANE HIGHWAY
(208 KM)
PACKAGE-1
(KM 121+500 TO KM 233+200)

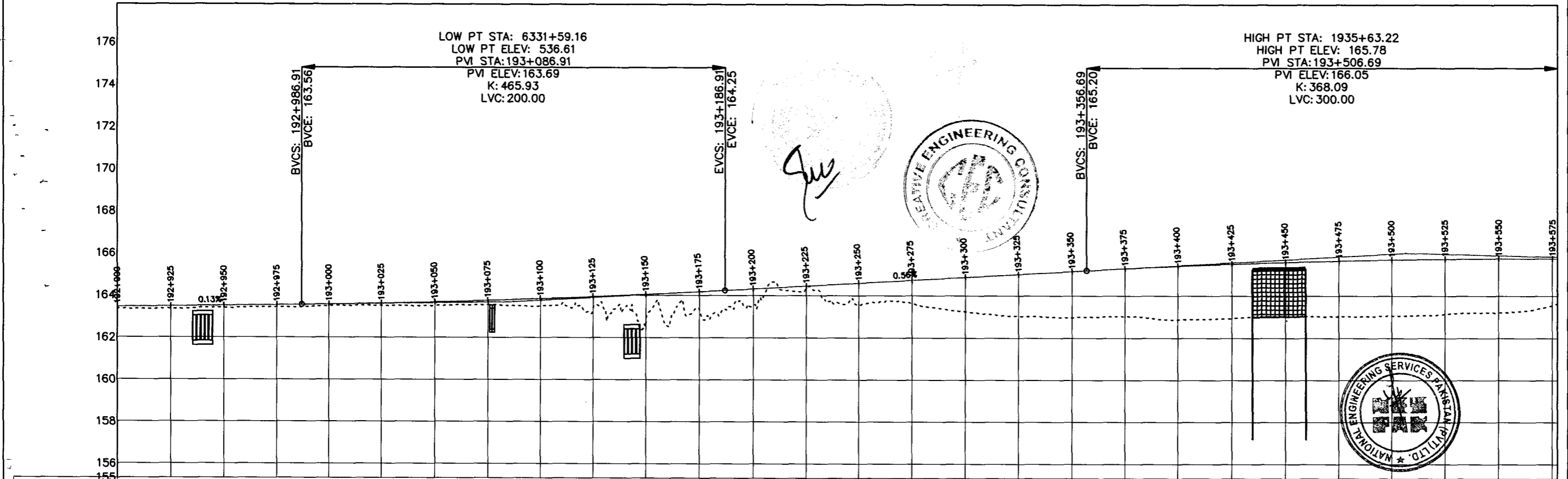
CLIENT:
NHA NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
192+900.00 - 193+577.42

DESIGN BY: A.S	SHEET NO: 109 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL 2024
APPROVED BY:	REVISION:

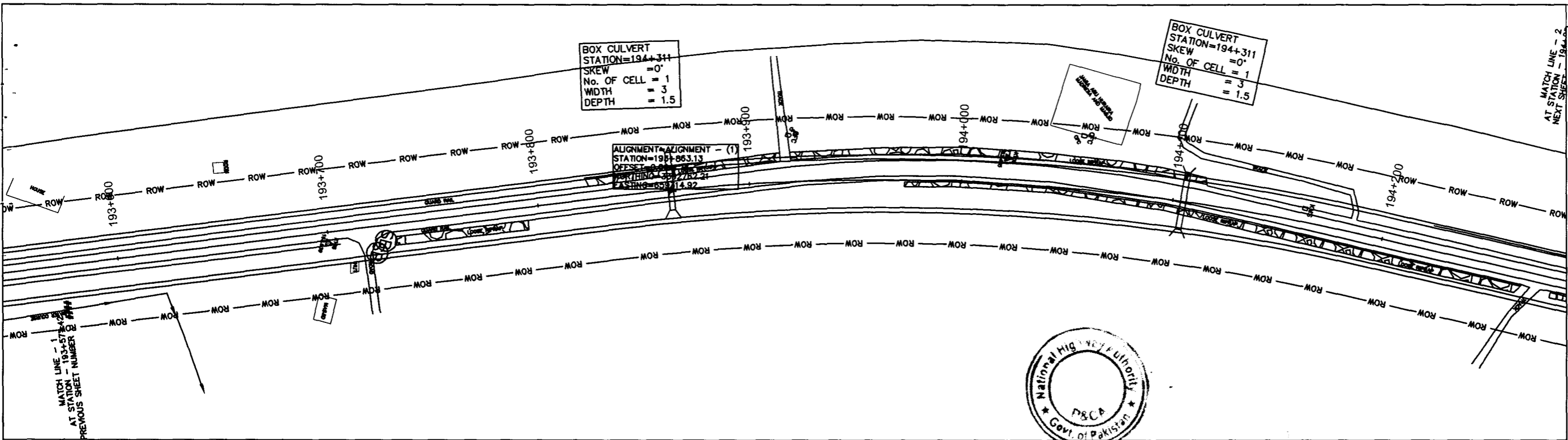
CAD FILE NAME:
CAREC/T-III/TD/21



LOW PT STA: 6331+59.16
LOW PT ELEV: 536.61
PVI STA: 193+086.91
PVI ELEV: 163.69
K: 465.93
LVC: 200.00

HIGH PT STA: 1935+63.22
HIGH PT ELEV: 165.78
PVI STA: 193+506.69
PVI ELEV: 166.05
K: 368.09
LVC: 300.00

HCD	L=100.01m										L=358.04m R=1000.00m										L=477.40m									
VCD	Grade (0.13%) Tangent Length (86.91) Chainage (192+986.91) Elevation (163.56)										Grade (0.56%) Tangent Length (169.78) Chainage (193+356.69) Elevation (165.20)																			
P.G.L	192+900	192+925	192+950	192+975	193+000	193+025	193+050	193+075	193+100	193+125	193+150	193+175	193+200	193+225	193+250	193+275	193+300	193+325	193+350	193+375	193+400	193+425	193+450	193+475	193+500	193+525	193+550	193+575		
N.S.L	163.354	163.477	163.510	163.543	163.578	163.625	163.685	163.758	163.845	163.946	164.059	164.186	164.325	164.465	164.606	164.746	164.886	165.027	165.167	165.303	165.422	165.524	165.610	165.678	165.730	165.764	165.781	165.782		
CH	163.354	163.348	163.396	163.429	163.495	163.504	163.507	163.549	163.488	163.397	162.612	163.352	163.510	164.358	163.543	163.604	163.247	163.028	162.968	163.050	162.873	162.935	163.032	163.023	163.060	163.142	163.209	163.209		



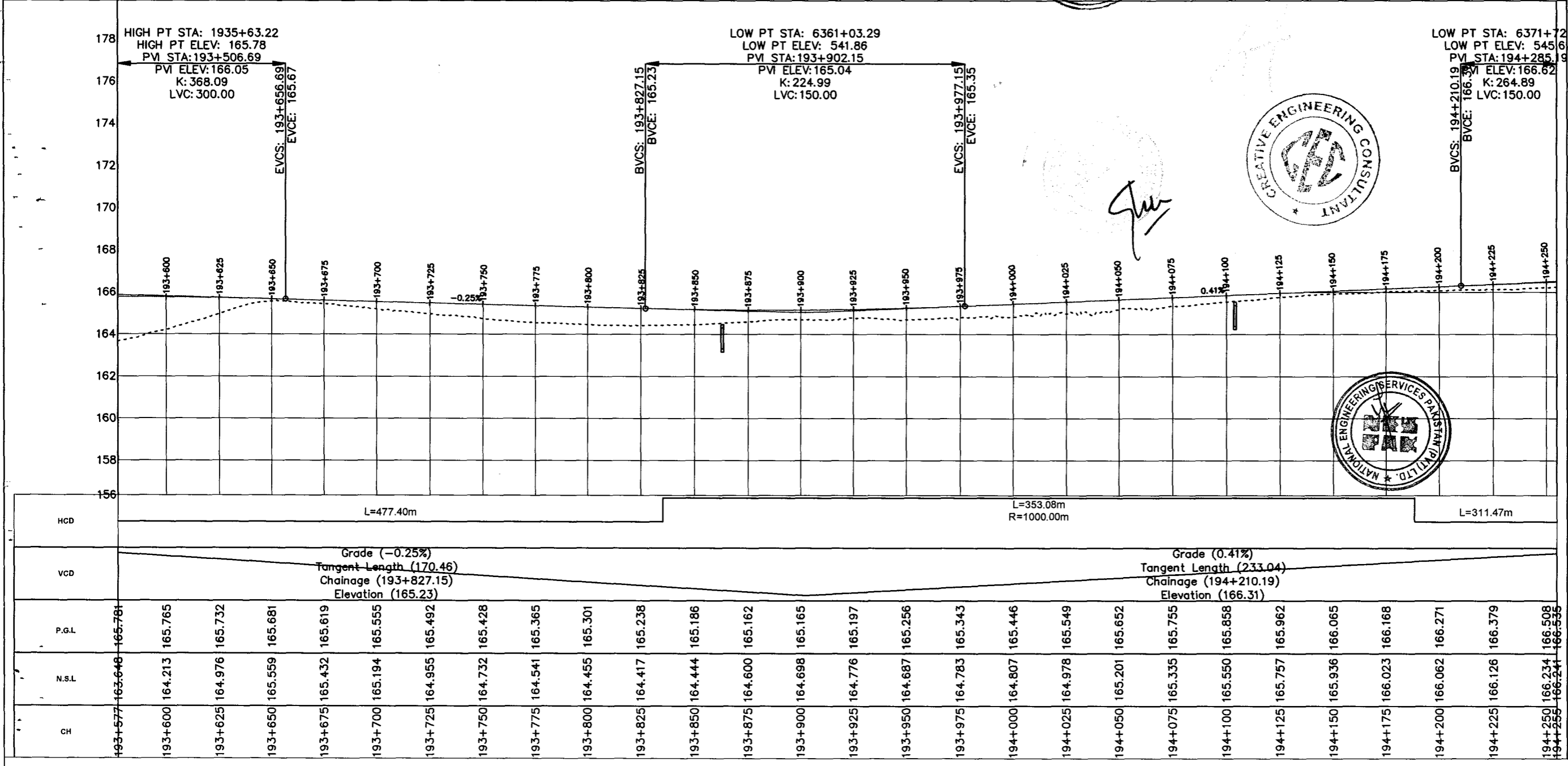
BOX CULVERT
 STATION=194+311
 SKEW = 0°
 No. OF CELL = 1
 WIDTH = 3
 DEPTH = 1.5

BOX CULVERT
 STATION=194+311
 SKEW = 0°
 No. OF CELL = 1
 WIDTH = 3
 DEPTH = 1.5

ALIGNMENT - ALIGNMENT - (1)
 STATION=193+863.13
 DISTANCE FROM PVI=14.92



MATCH LINE - 2
 AT STATION - 194+250
 NEXT SHEET - 194+250



NOTES
 1. ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

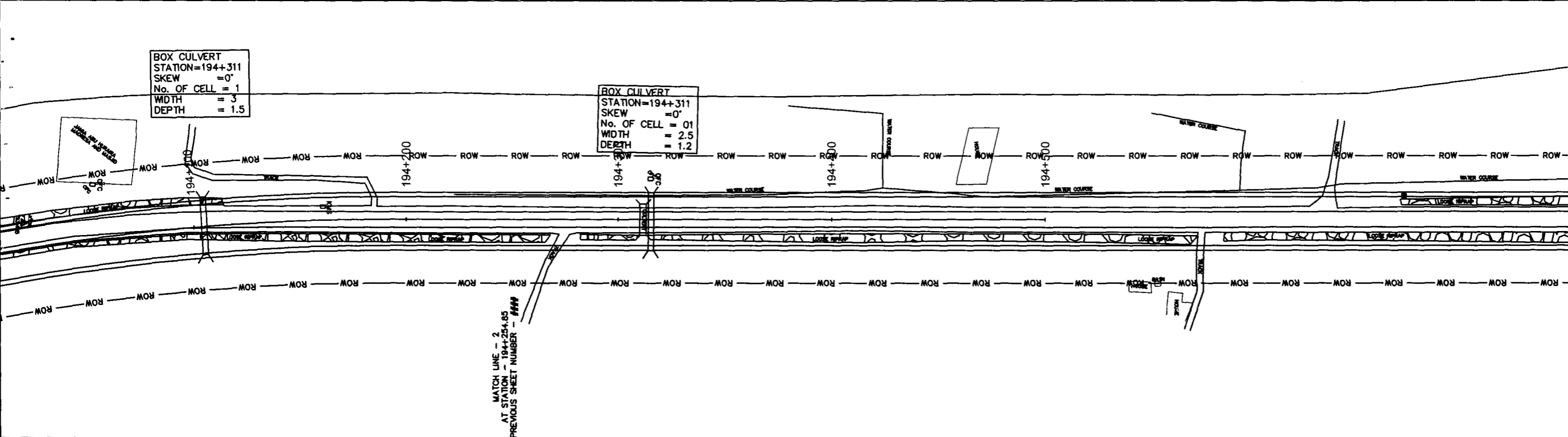
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
 PLAN & PROFILE
 193+577.42 - 194+254.85

DESIGN BY: A.S	SHEET NO: 110 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/21



BOX CULVERT
 STATION=194+311
 SKEW = 0°
 No. OF CELL = 1
 WIDTH = 3
 DEPTH = 1.5

BOX CULVERT
 STATION=194+311
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.5
 DEPTH = 1.2

MATCH LINE - 2
 AT STATION - 194+254.85
 PREVIOUS SHEET NUMBER - ###

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN-DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 KM)
 PACKAGE-1
 (KM 121+500 TO KM 233+200)

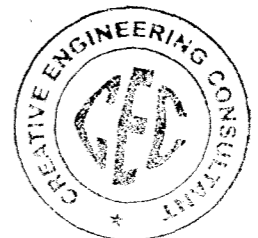
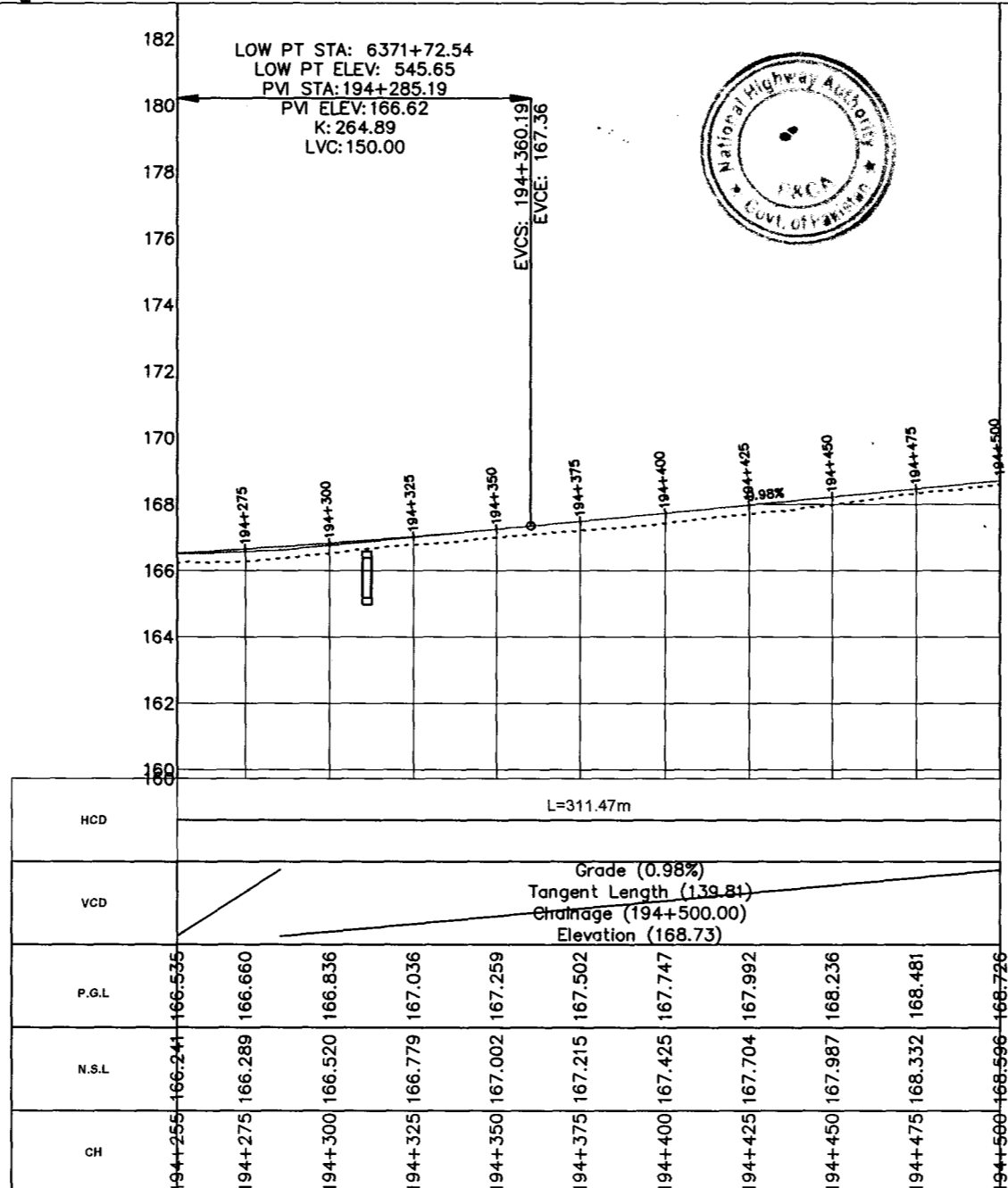
CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

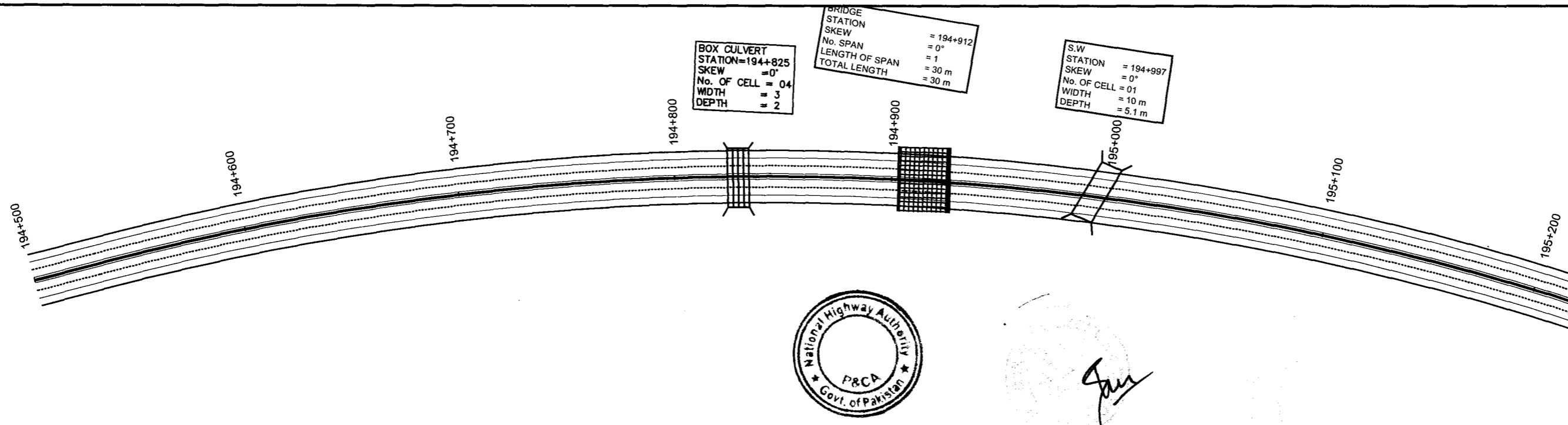
DRAWING TITLE:
 PLAN & PROFILE
 194+254.85 - 194+500.00

DESIGN BY: A.S	SHEET NO. 111 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

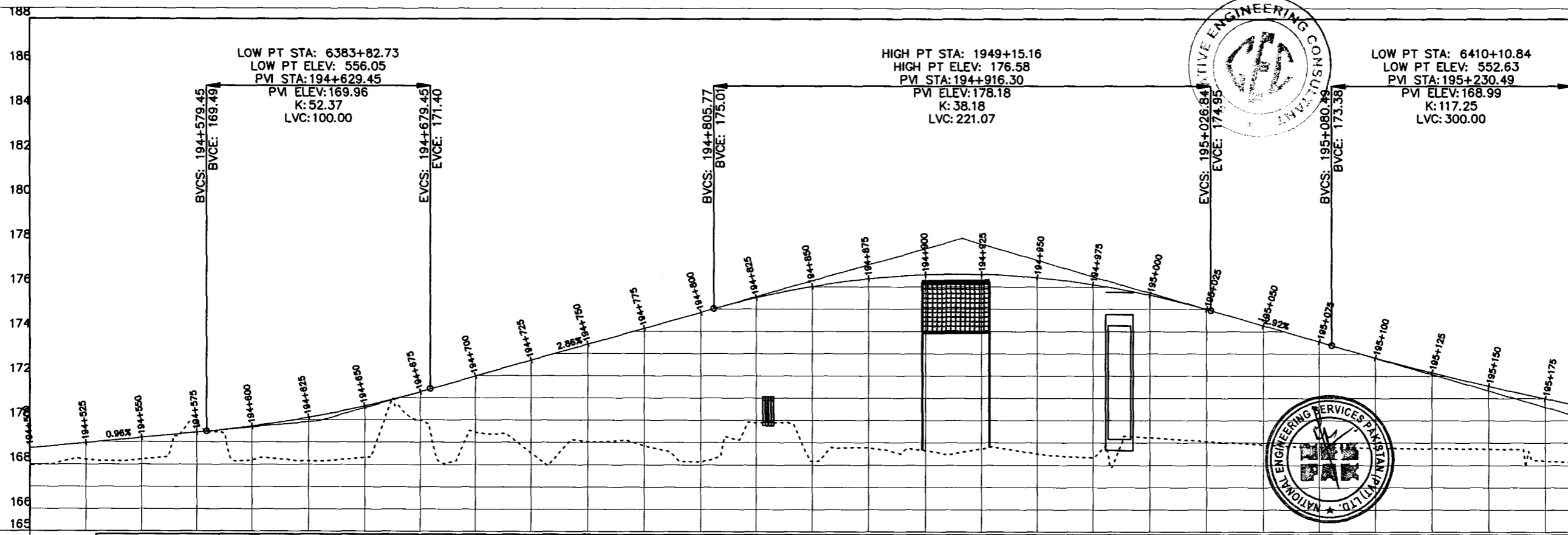
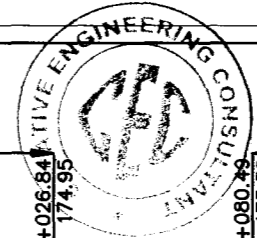
CAD FILE NAME:
 CAREC/T-III/TD/21



Signature



Jan



Station	HCD	VCD	P.G.L	N.S.L	CH
194+500	167.965		168.726	167.965	168.726
194+525	168.221		168.965	168.221	168.965
194+550	168.227		169.204	168.227	169.204
194+575	169.883		169.443	169.883	169.443
194+600	168.210		169.722	168.210	169.722
194+625	168.146		170.119	168.146	170.119
194+650	168.318		170.635	168.318	170.635
194+675	169.971		171.270	169.971	171.270
194+700	169.455		171.984	169.455	171.984
194+725	168.523		172.701	168.523	172.701
194+750	169.034		173.417	169.034	173.417
194+775	168.849		174.133	168.849	174.133
194+800	168.142		174.849	168.142	174.849
194+825	169.898		175.517	169.898	175.517
194+850	168.167		176.026	168.167	176.026
194+875	168.768		176.370	168.768	176.370
194+900	168.653		176.551	168.653	176.551
194+925	168.742		176.569	168.742	176.569
194+950	168.503		176.423	168.503	176.423
194+975	168.340		176.113	168.340	176.113
195+000	169.234		175.639	169.234	175.639
195+025	169.071		175.002	169.071	175.002
195+050	168.914		174.271	168.914	174.271
195+075	168.821		173.540	168.821	173.540
195+100	168.771		172.825	168.771	172.825
195+125	168.747		172.162	168.747	172.162
195+150	168.725		171.552	168.725	171.552
195+175	168.199		170.996	168.199	170.996

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

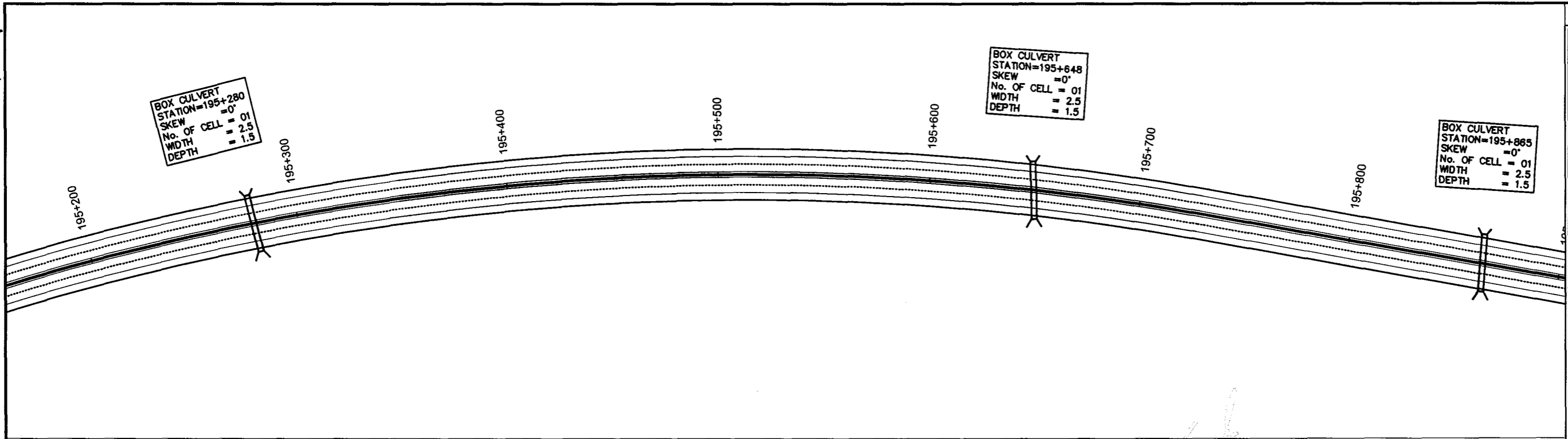
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

DRAWING TITLE:
PLAN & PROFILE
194+500.00 - 195+187.00

DESIGN BY: A.S	SHEET NO: 112 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

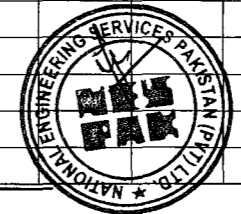
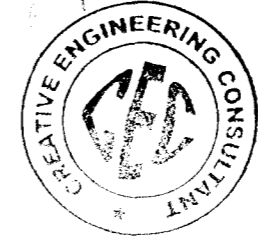
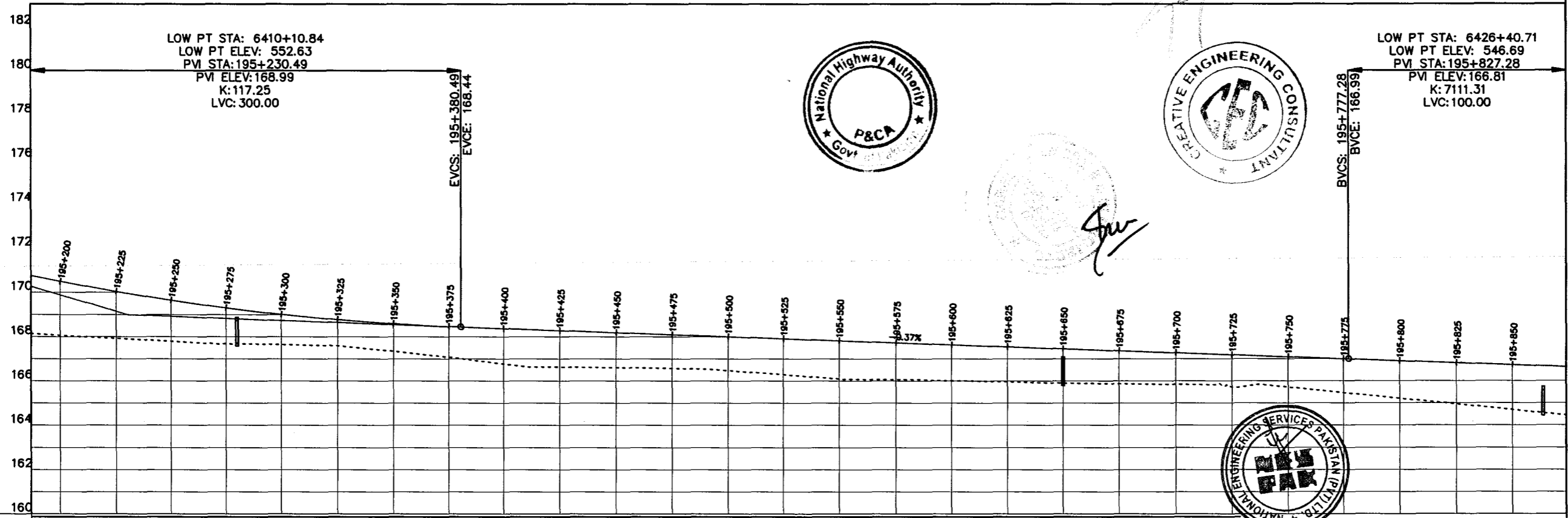
CAD FILE NAME:
CAREC/T-III/TD/00



BOX CULVERT
STATION=195+280
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION=195+865
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION=195+865
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.5
DEPTH = 1.5



L=1198.86m
R=1200.00m

L=3144.29m

Grade (-0.37%)
Tangent Length (396.79)
Chainage (195+777.28)
Elevation (166.99)

Station	HCD	VCD	P.G.L	N.S.L	CH
195+187			170.748	168.130	
195+200			170.493	168.057	
195+225			170.043	167.921	
195+250			169.647	167.790	
195+275			169.303	167.687	
195+300			169.014	167.641	
195+325			168.777	167.587	
195+350			168.594	167.341	
195+375			168.464	167.074	
195+400			168.371	166.770	
195+425			168.279	166.625	
195+450			168.188	166.601	
195+475			168.096	166.569	
195+500			168.005	166.472	
195+525			167.913	166.289	
195+550			167.822	166.095	
195+575			167.730	166.063	
195+600			167.638	166.012	
195+625			167.547	165.963	
195+650			167.455	165.904	
195+675			167.364	165.874	
195+700			167.272	165.844	
195+725			167.181	165.727	
195+750			167.089	165.715	
195+775			166.998	165.461	
195+800			166.906	165.207	
195+825			166.816	164.953	
195+850			166.727	164.695	

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

- MINCONSULT. SDN BHD in Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
PLAN & PROFILE
195+187.00 - 195+874.00

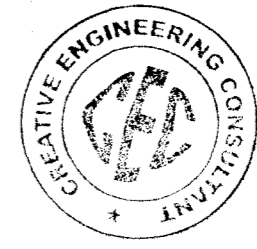
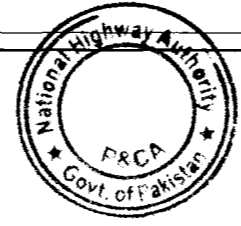
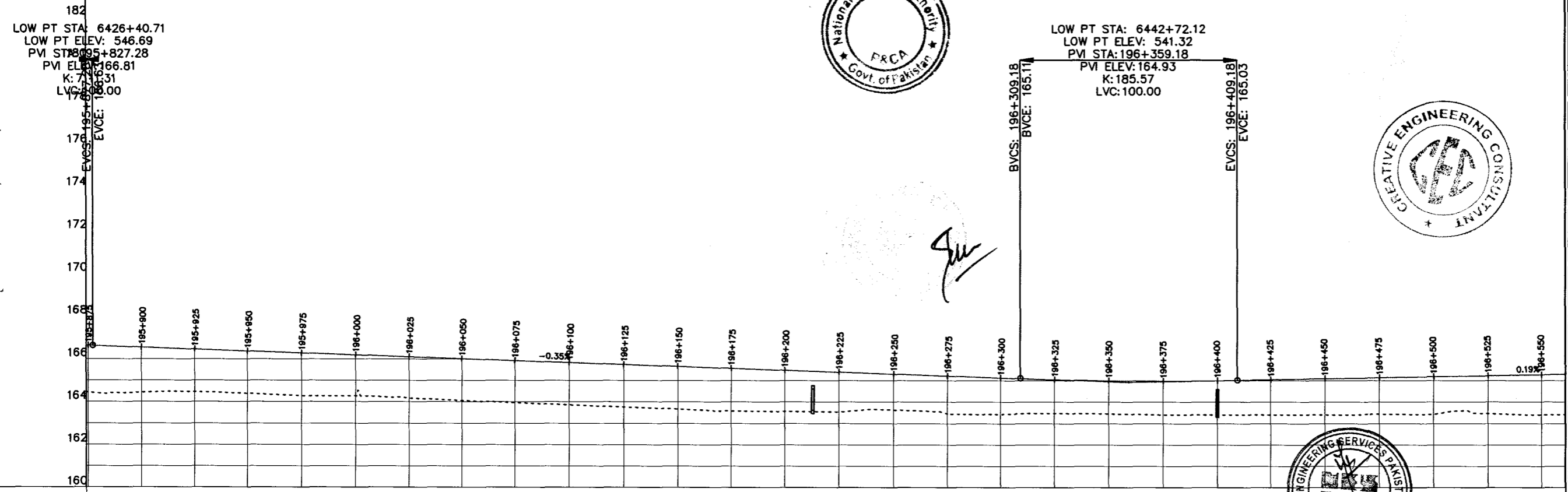
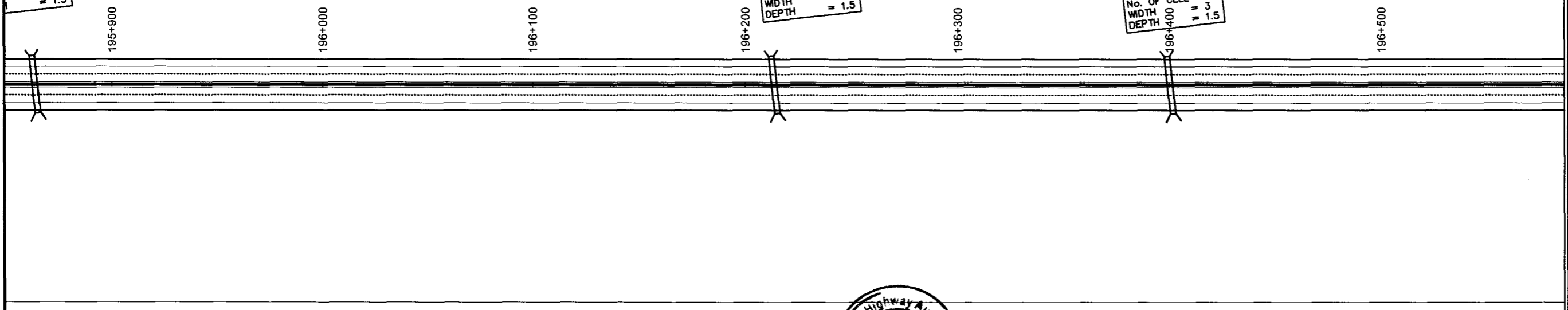
DESIGN BY:	SHEET NO:
A.S	113 OF 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

VERT
N=195+865
CELL = 01
= 2.5
= 1.5

BOX CULVERT
STATION=196+215
SKEW = 0°
No. OF CELL = 01
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=196+400
SKEW = 0°
No. OF CELL = 01
WIDTH = 3
DEPTH = 1.5



HCD	L=3144.29m																											
VCD	Grade (-0.35%) Tangent Length (431.90) Chainage (196+309.18) Elevation (165.11)									Grade (0.19%) Tangent Length (268.94) Chainage (196+678.13) Elevation (165.53)																		
P.G.L	195+875	195+900	195+925	195+950	195+975	196+000	196+025	196+050	196+075	196+100	196+125	196+150	196+175	196+200	196+225	196+250	196+275	196+300	196+325	196+350	196+375	196+400	196+425	196+450	196+475	196+500	196+525	196+550
N.S.L	164.450	164.435	164.461	164.384	164.287	164.280	164.172	164.061	163.959	163.861	163.762	163.664	163.580	163.563	163.546	163.631	163.452	163.430	163.469	163.449	163.403	163.402	163.403	163.405	163.433	163.420	163.460	163.406
CH	166.898	166.550	166.462	166.374	166.286	166.198	166.110	166.022	165.934	165.846	165.757	165.669	165.581	165.493	165.405	165.317	165.229	165.141	165.060	165.010	164.994	165.011	165.056	165.102	165.149	165.196	165.242	165.289

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
195+874.00 - 196+561.00

DESIGN BY: A.S	SHEET NO: 114 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

BOX CULVERT
 STATION=196+700
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 3
 DEPTH = 1.5

BOX CULVERT
 STATION=197+035
 SKEW = 0°
 No. OF CELL = 2
 WIDTH = 2.5
 DEPTH = 1.5

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN-DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 KM)
 PACKAGE-1
 (KM 121+500 TO KM 233+200)

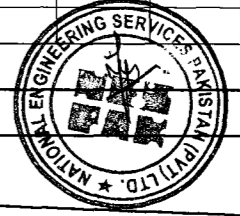
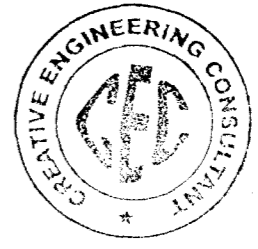
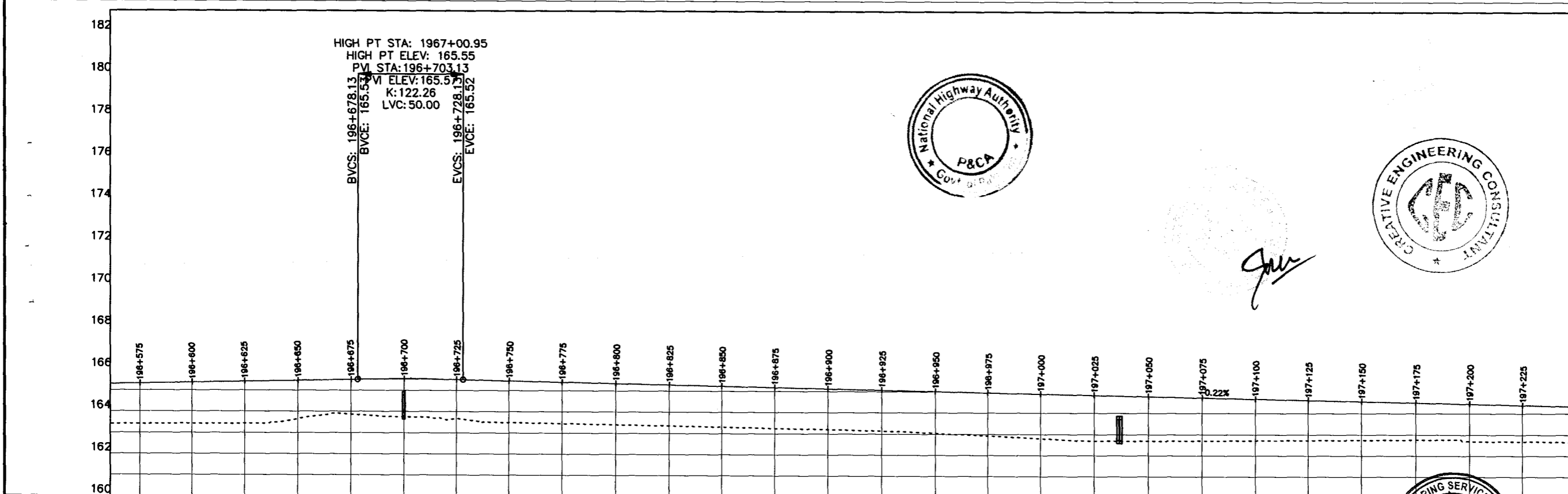
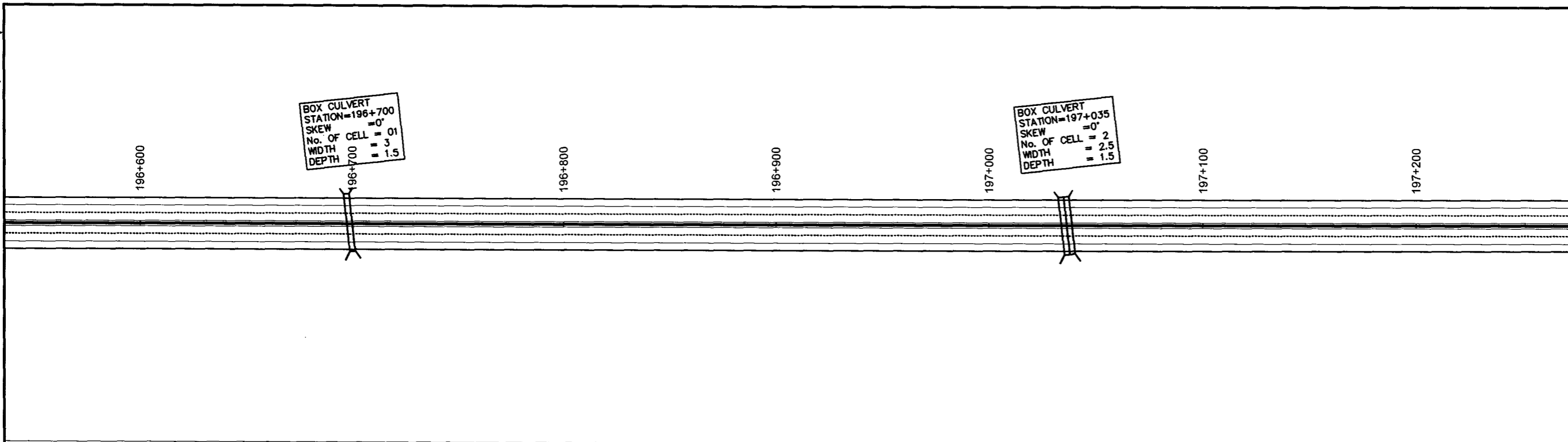
CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 196+561.00 - 197+245.00

DESIGN BY: A.S	SHEET NO: 115 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/22



HCD	L=3144.29m																											
VCD	Grade (-0.22%) Tangent Length (704.29) Chainage (197+432.41) Elevation (163.95)																											
P.G.L	196+561	196+575	196+600	196+625	196+650	196+675	196+700	196+725	196+750	196+775	196+800	196+825	196+850	196+875	196+900	196+925	196+950	196+975	197+000	197+025	197+050	197+075	197+100	197+125	197+150	197+175	197+200	197+225
N.S.L	163.489	163.413	163.419	163.425	163.654	163.872	163.747	163.664	163.492	163.442	163.399	163.353	163.304	163.250	163.196	163.134	163.039	162.921	162.794	162.683	162.684	162.699	162.715	162.729	162.742	162.755	162.679	162.673
CH	165.369	165.336	165.382	165.429	165.476	165.522	165.549	165.526	165.471	165.415	165.359	165.304	165.248	165.193	165.137	165.082	165.026	164.970	164.915	164.859	164.804	164.748	164.693	164.637	164.581	164.526	164.470	164.415

BOX CULVERT
STATION=197+355
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=197+715
SKEW = 0°
No. OF CELL = 1
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION=197+928
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

197+300

197+400

197+500

197+600

197+700

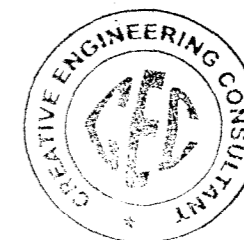
197+800

197+900

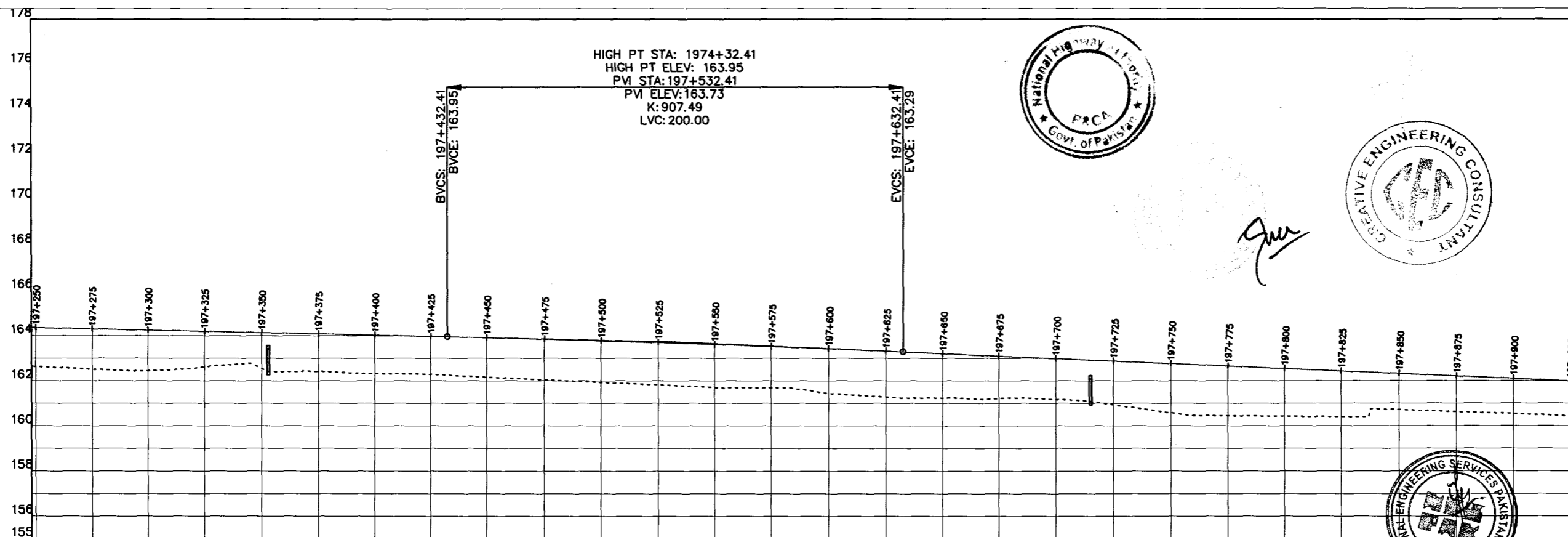
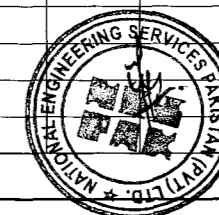
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HIGH PT ELEV: 163.95
PM STA: 197+532.41
PV ELEV: 163.73
K: 907.49
LVC: 200.00

BVCS: 197+432.41
BVCE: 163.95

EVCS: 197+632.41
EVCE: 163.29



Signature



L=3144.29m

HCD

VCD

P.G.L

N.S.L

CH

197+250	197+275	197+300	197+325	197+350	197+375	197+400	197+425	197+450	197+475	197+500	197+525	197+550	197+575	197+600	197+625	197+650	197+675	197+700	197+725	197+750	197+775	197+800	197+825	197+850	197+875	197+900	197+925
164.359	164.304	164.248	164.192	164.137	164.081	164.026	163.970	163.913	163.849	163.778	163.701	163.616	163.525	163.426	163.321	163.211	163.100	162.989	162.879	162.768	162.657	162.547	162.436	162.325	162.215	162.104	161.993
162.627	162.514	162.447	162.610	162.537	162.412	162.320	162.287	162.159	162.043	161.932	161.820	161.705	161.689	161.445	161.279	161.236	161.219	161.176	160.932	160.576	160.449	160.429	160.408	160.713	160.625	160.537	160.433

NOTES

1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 KM)
PACKAGE-1
(KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT, SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
197+248.00 - 197+935.00

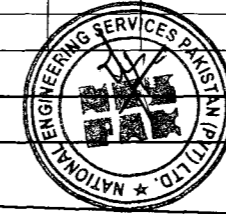
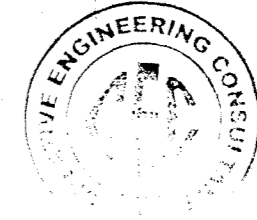
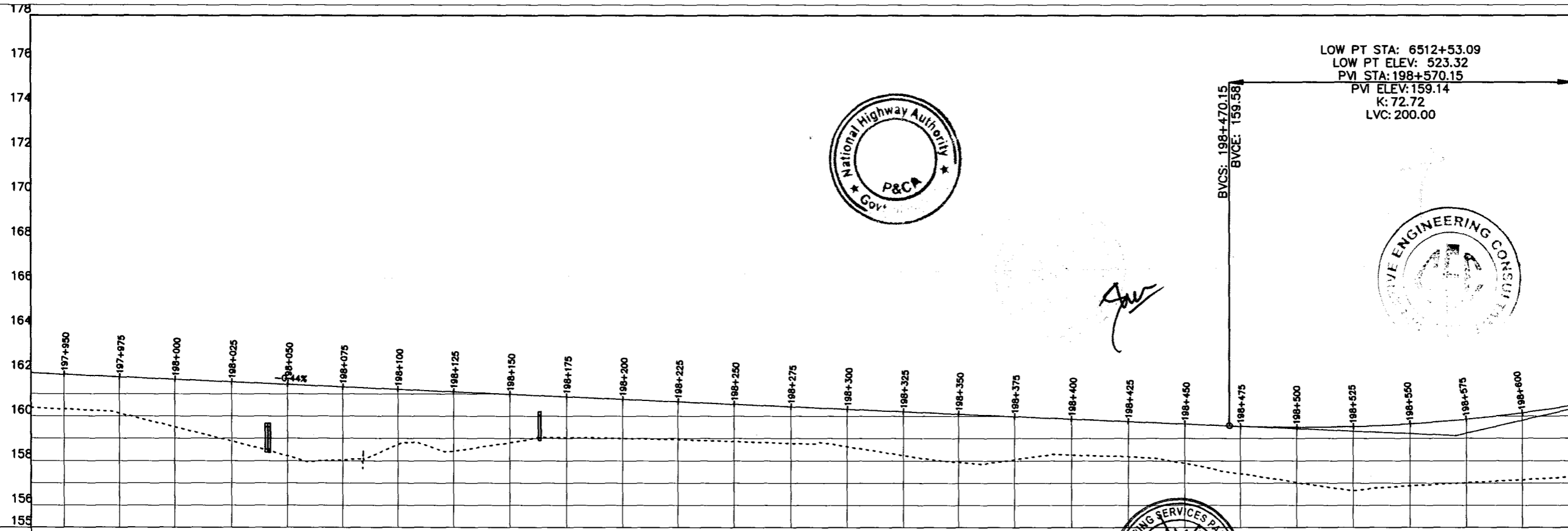
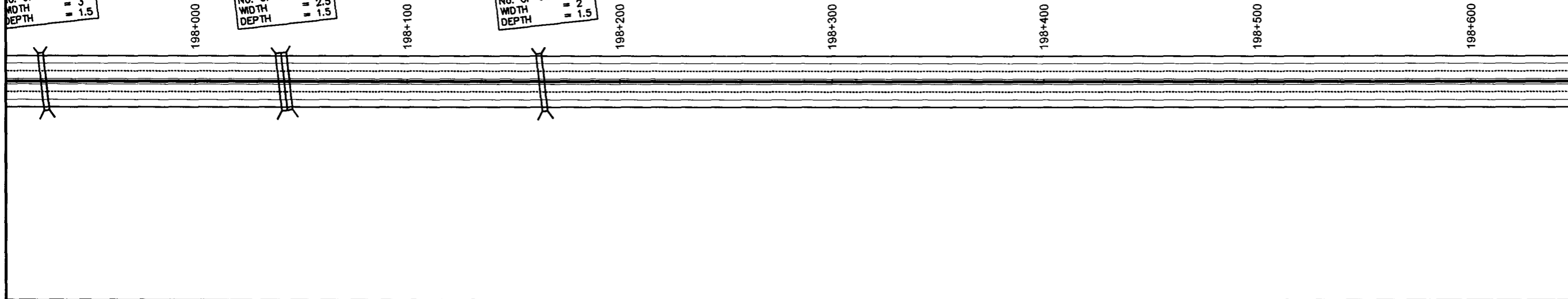
DESIGN BY: A.S	SHEET NO: 116 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/ITD/22

BOX CULVERT
STATION=197+928
KEW = 0'
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=198+040
KEW = 0'
No. OF CELL = 2
WIDTH = 2.5
DEPTH = 1.5

BOX CULVERT
STATION=198+165
KEW = 0'
No. OF CELL = 1
WIDTH = 2
DEPTH = 1.5



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

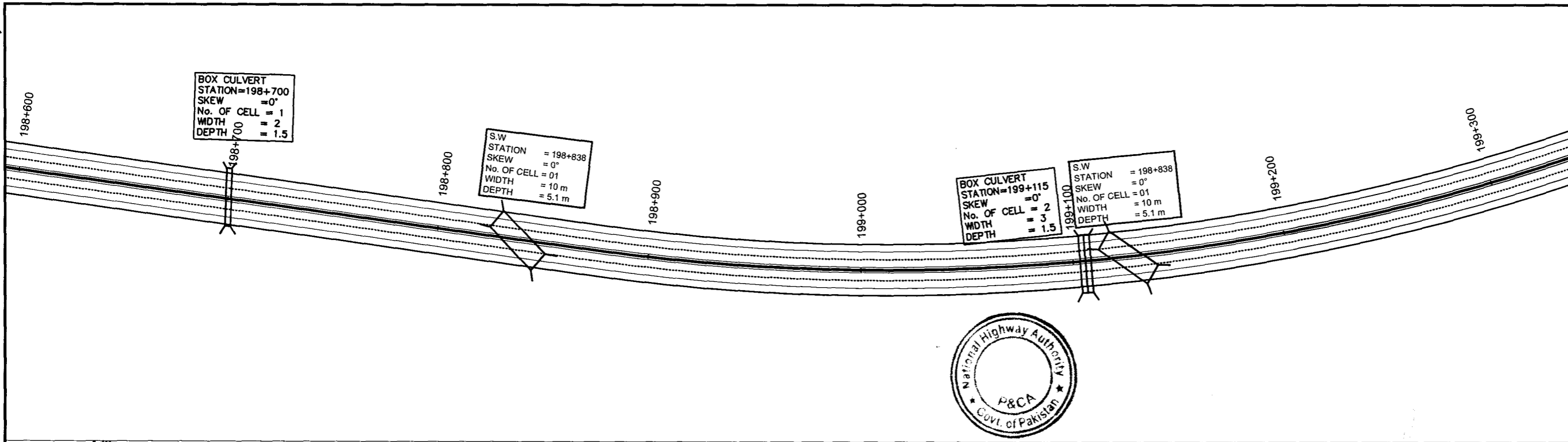
- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
PLAN & PROFILE
197+935.00 - 198+822.00

DESIGN BY: A.S	SHEET NO: 117 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

Station	HCD	VCD	P.G.L	N.S.L	CH
197+925			161.949	160.386	160.386
197+950			161.883	160.317	160.317
197+975			161.772	160.133	160.133
198+000			161.661	159.515	159.515
198+025			161.551	158.878	158.878
198+050			161.440	158.215	158.215
198+075			161.329	158.044	158.044
198+100			161.219	158.736	158.736
198+125			161.108	158.425	158.425
198+150			160.997	158.814	158.814
198+175			160.887	159.042	159.042
198+200			160.776	159.004	159.004
198+225			160.665	158.954	158.954
198+250			160.555	158.870	158.870
198+275			160.444	158.786	160.444
198+300			160.333	158.637	158.637
198+325			160.223	158.238	158.238
198+350			160.112	157.937	160.112
198+375			160.001	158.055	160.001
198+400			159.891	158.269	159.891
198+425			159.780	158.186	159.780
198+450			159.669	157.885	159.669
198+475			159.560	157.419	159.560
198+500			159.509	157.026	159.509
198+525			159.544	156.667	159.544
198+550			159.665	156.871	159.665
198+575			159.872	157.016	159.872
198+600			160.165	157.144	160.165



BOX CULVERT
STATION=198+700
SKEW = 0°
No. OF CELL = 1
WIDTH = 2
DEPTH = 1.5

S.W
STATION = 198+838
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m

BOX CULVERT
STATION=199+115
SKEW = 0°
No. OF CELL = 2
WIDTH = 3
DEPTH = 1.5

S.W
STATION = 198+838
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 KM)
PACKAGE-1
(KM 121+500 TO KM 233+200)

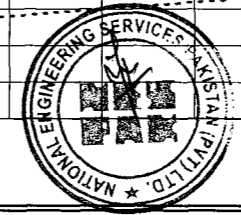
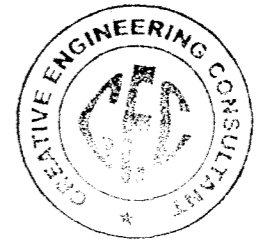
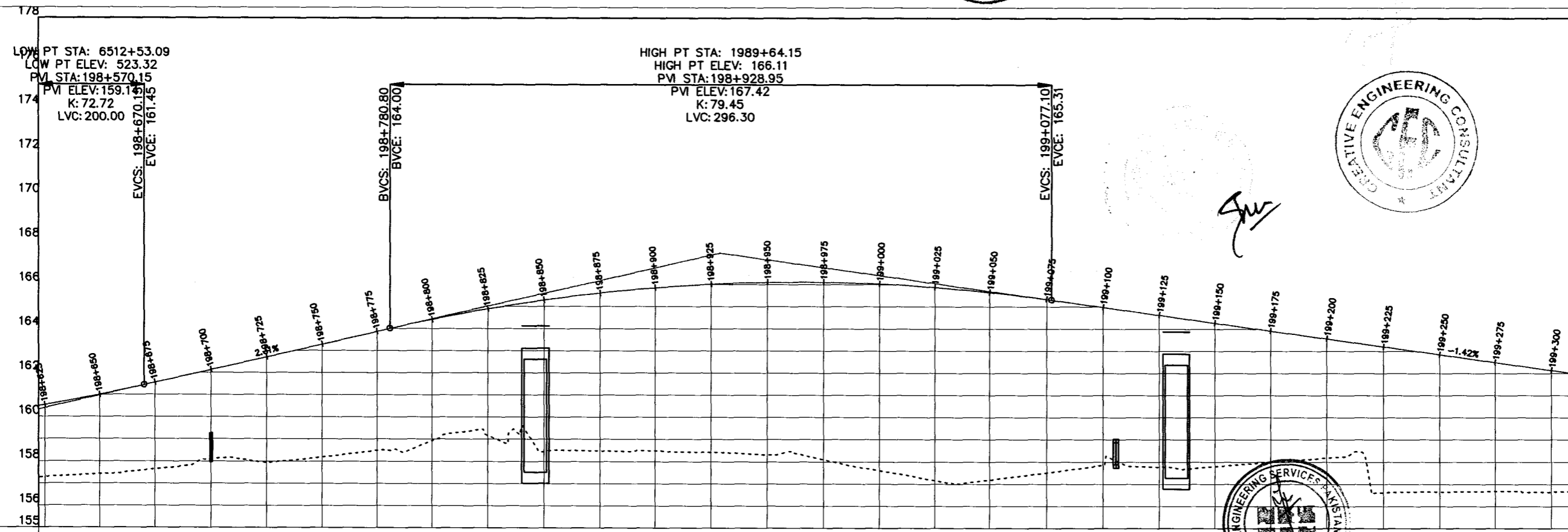
CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

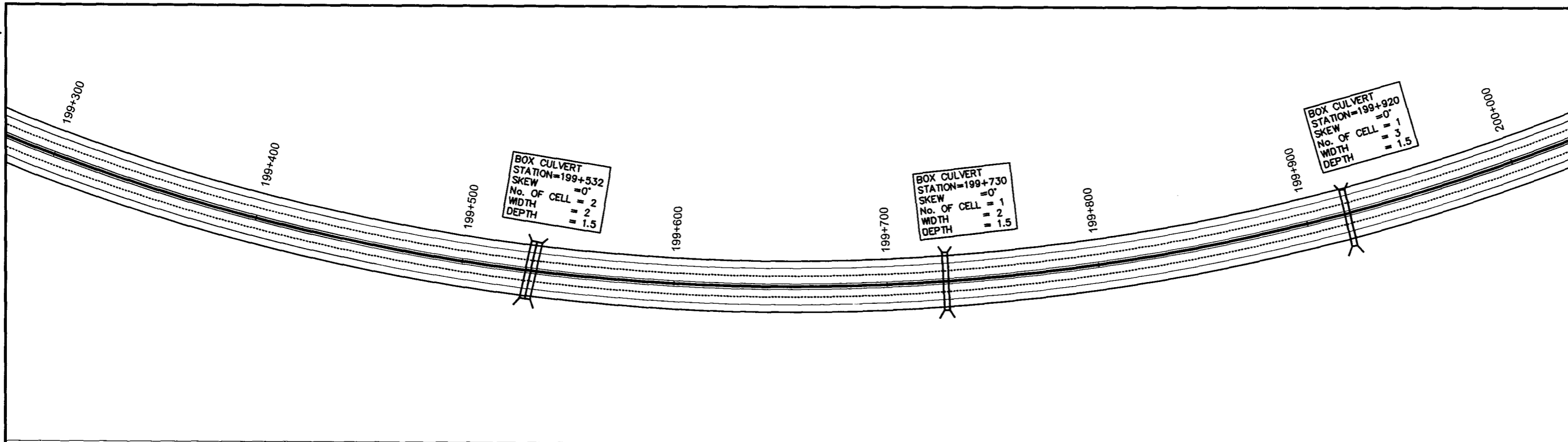
DRAWING TITLE:
PLAN & PROFILE
198+622.00 - 199+309.00

DESIGN BY: A.S	SHEET NO: 118 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

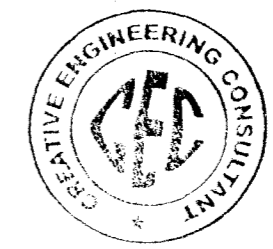
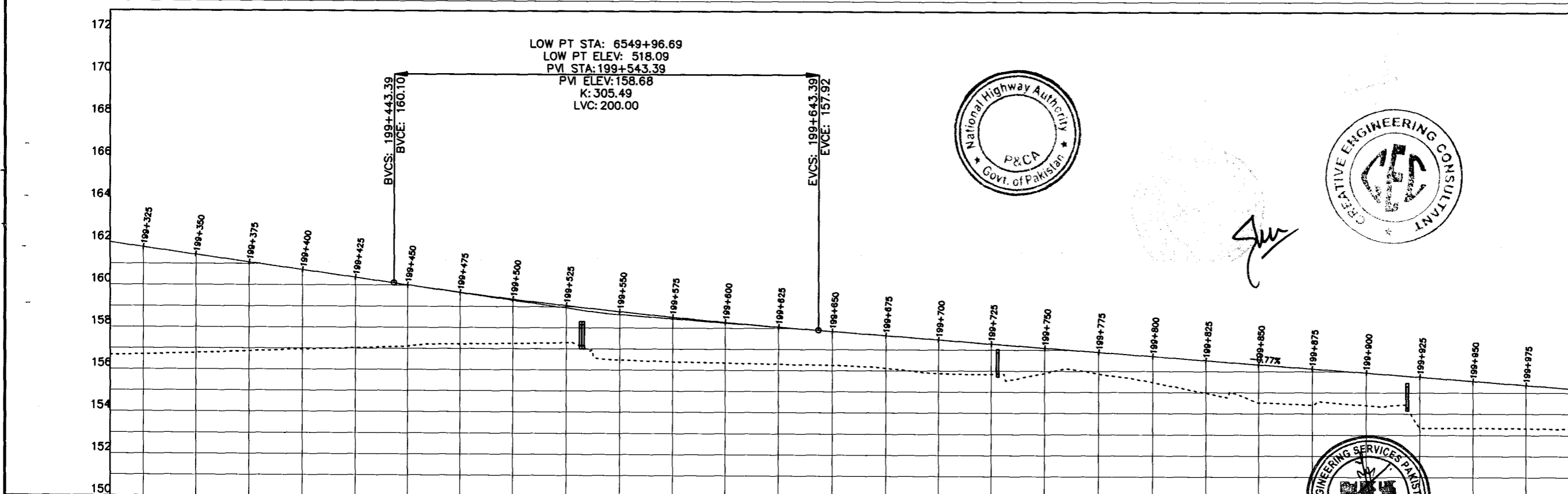


HCD	L=3144.29m																			L=1247.62m R=1000.00m																																																																
VCD	Grade (2.31%) Tangent Length (110.65) Chainage (198+780.80) Elevation (164.00)																			Grade (-1.42%) Tangent Length (366.29) Chainage (199+443.39) Elevation (160.10)																																																																
P.G.L	198+625	157.287	166.943	198+650	157.414	161.008	198+675	157.638	161.557	198+700	158.102	162.134	198+725	157.937	162.711	198+750	158.185	163.288	198+775	158.487	163.865	198+800	158.947	164.419	198+825	159.175	164.896	198+850	158.446	165.294	198+875	158.474	165.614	198+900	158.486	165.855	198+925	158.420	166.018	198+950	158.314	166.102	198+975	158.094	166.107	199+000	157.602	166.033	199+025	157.154	165.881	199+050	157.188	165.650	199+075	157.512	165.341	199+100	157.860	164.986	199+125	157.777	164.630	199+150	157.798	164.275	199+175	157.990	163.920	199+200	158.179	163.564	199+225	156.616	163.209	199+250	156.656	162.853	199+275	156.683	162.498	199+300	156.655	162.143
N.S.L	198+625	157.287	166.943	198+650	157.414	161.008	198+675	157.638	161.557	198+700	158.102	162.134	198+725	157.937	162.711	198+750	158.185	163.288	198+775	158.487	163.865	198+800	158.947	164.419	198+825	159.175	164.896	198+850	158.446	165.294	198+875	158.474	165.614	198+900	158.486	165.855	198+925	158.420	166.018	198+950	158.314	166.102	198+975	158.094	166.107	199+000	157.602	166.033	199+025	157.154	165.881	199+050	157.188	165.650	199+075	157.512	165.341	199+100	157.860	164.986	199+125	157.777	164.630	199+150	157.798	164.275	199+175	157.990	163.920	199+200	158.179	163.564	199+225	156.616	163.209	199+250	156.656	162.853	199+275	156.683	162.498	199+300	156.655	162.143
CH	198+625	157.287	166.943	198+650	157.414	161.008	198+675	157.638	161.557	198+700	158.102	162.134	198+725	157.937	162.711	198+750	158.185	163.288	198+775	158.487	163.865	198+800	158.947	164.419	198+825	159.175	164.896	198+850	158.446	165.294	198+875	158.474	165.614	198+900	158.486	165.855	198+925	158.420	166.018	198+950	158.314	166.102	198+975	158.094	166.107	199+000	157.602	166.033	199+025	157.154	165.881	199+050	157.188	165.650	199+075	157.512	165.341	199+100	157.860	164.986	199+125	157.777	164.630	199+150	157.798	164.275	199+175	157.990	163.920	199+200	158.179	163.564	199+225	156.616	163.209	199+250	156.656	162.853	199+275	156.683	162.498	199+300	156.655	162.143



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS

LEGEND



Station	HCD	VCD	P.G.L	N.S.L	CH
199+300			162.815	156.674	152.914
199+325			161.787	156.707	153.207
199+350			161.432	156.776	153.500
199+375			161.076	156.863	153.793
199+400			160.721	156.957	154.086
199+425			160.366	157.021	154.379
199+450			160.011	157.104	154.672
199+475			159.671	157.221	154.965
199+500			159.352	157.249	155.258
199+525			159.053	157.289	155.551
199+550			158.775	156.477	155.844
199+575			158.517	156.402	156.137
199+600			158.279	156.343	156.430
199+625			158.062	156.302	156.723
199+650			157.865	156.254	157.016
199+675			157.673	156.122	157.309
199+700			157.481	155.886	157.602
199+725			157.290	155.846	157.895
199+750			157.098	155.903	158.188
199+775			156.906	155.877	158.481
199+800			156.714	155.474	158.774
199+825			156.523	154.974	159.067
199+850			156.331	154.519	159.360
199+875			156.139	154.412	159.653
199+900			155.947	154.398	159.946
199+925			155.756	153.339	160.239
199+950			155.564	153.335	160.532
199+975			155.372	153.318	160.825

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

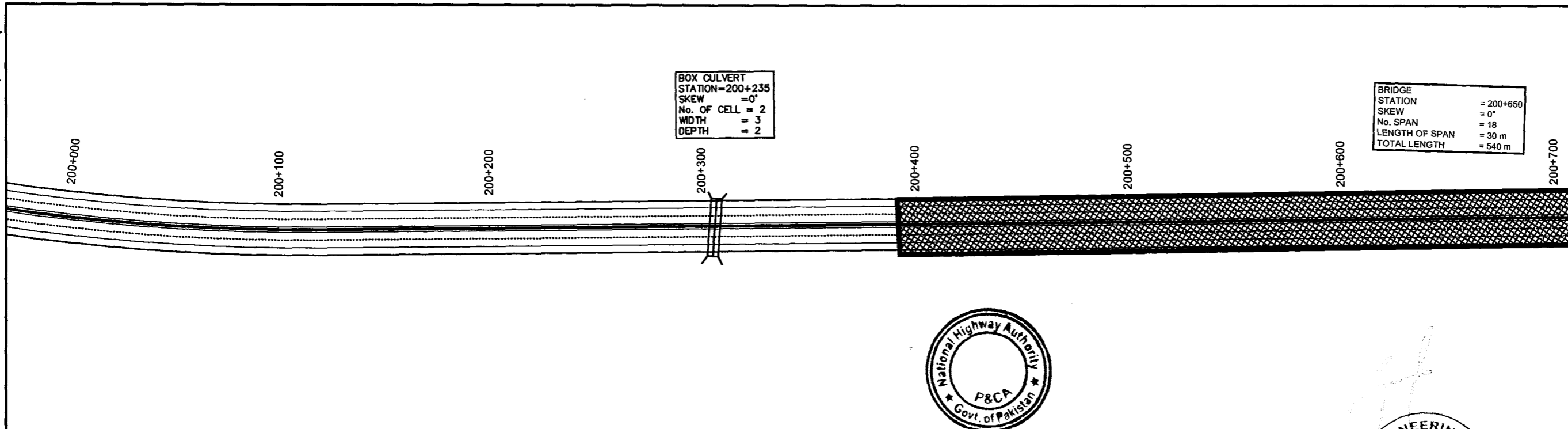
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
199+309.00 - 199+996.00

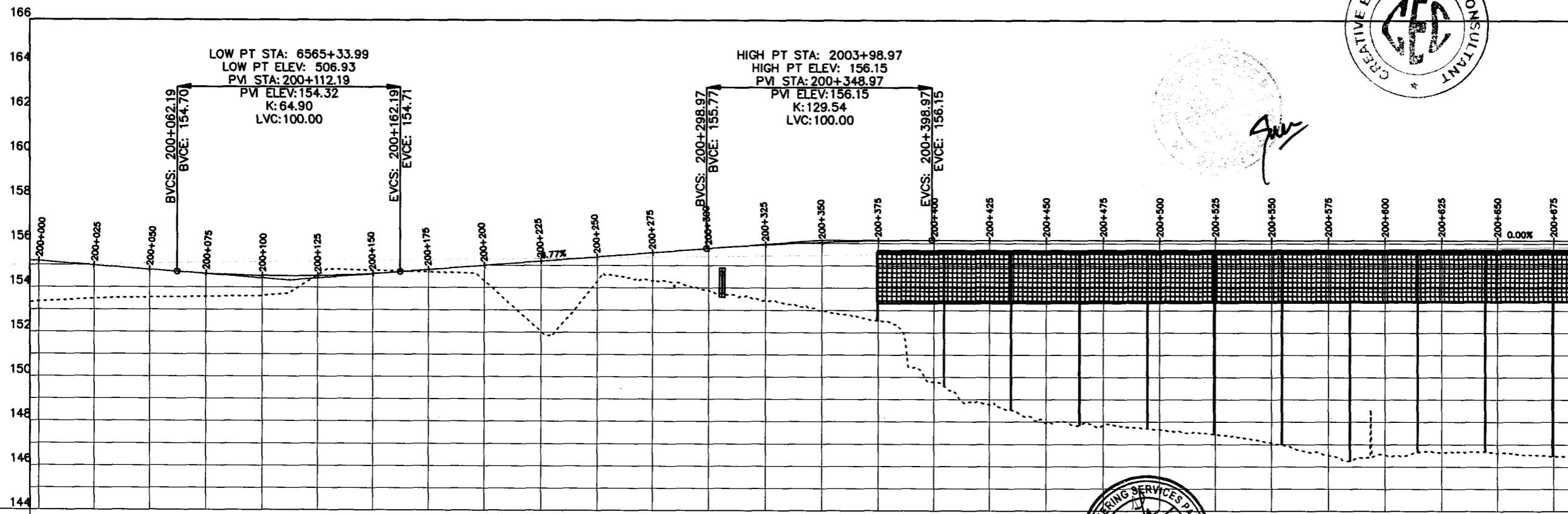
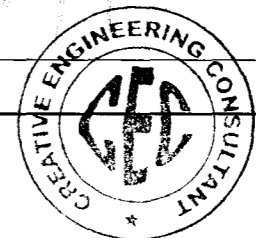
DESIGN BY: A.S	SHEET NO: 119 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22



BOX CULVERT
 STATION=200+235
 SKEW = 0°
 No. OF CELL = 2
 WIDTH = 5.5
 DEPTH = 2

BRIDGE
 STATION = 200+650
 SKEW = 0°
 No. SPAN = 18
 LENGTH OF SPAN = 30 m
 TOTAL LENGTH = 540 m



LOW PT STA: 6565+33.99
 LOW PT ELEV: 506.93
 PVI STA: 200+112.19
 PVI ELEV: 154.32
 K: 64.90
 LVC: 100.00

HIGH PT STA: 2003+98.97
 HIGH PT ELEV: 156.15
 PVI STA: 200+348.97
 PVI ELEV: 156.15
 K: 129.54
 LVC: 100.00

L=1247.62m
 R=1000.00m

L=2554.86m

Grade (0.77%)
 Tangent Length (136.78)
 Chainage (200+298.97)
 Elevation (155.77)

Grade (0.00%)
 Tangent Length (521)
 Chainage (200+920)
 Elevation (156.16)

Station	HCD	VCD	P.G.L	N.S.L	CH
200+000			155.211	153.320	155.181
200+025			154.989	153.479	
200+050			154.797	153.545	
200+075			154.618	153.579	
200+100			154.524	153.622	
200+125			154.526	154.555	
200+150			154.624	154.763	
200+175			154.806	154.699	
200+200			155.000	154.288	
200+225			155.193	152.023	
200+250			155.387	154.311	
200+275			155.580	154.299	
200+300			155.774	153.901	
200+325			155.941	153.413	
200+350			156.060	152.970	
200+375			156.131	152.540	
200+400			156.154	149.799	
200+425			156.154	148.768	
200+450			156.155	147.943	
200+475			156.155	147.862	
200+500			156.156	147.661	
200+525			156.156	147.421	
200+550			156.157	147.059	
200+575			156.157	146.511	
200+600			156.158	146.522	
200+625			156.158	146.630	
200+650			156.159	146.614	
200+675			156.159	146.495	

NOTES
 1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

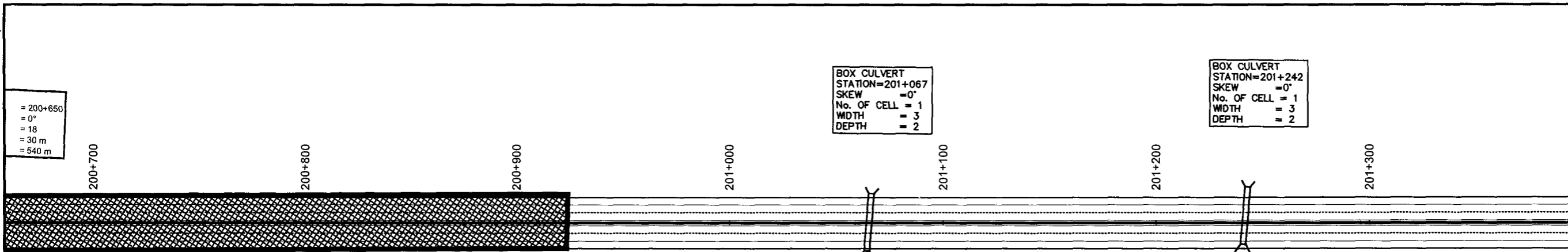
CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 199+996.00 - 200+683.00

DESIGN BY: A.S	SHEET NO: 120 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

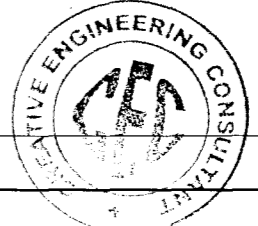
CAD FILE NAME:
 CAREC/T-III/TD/22



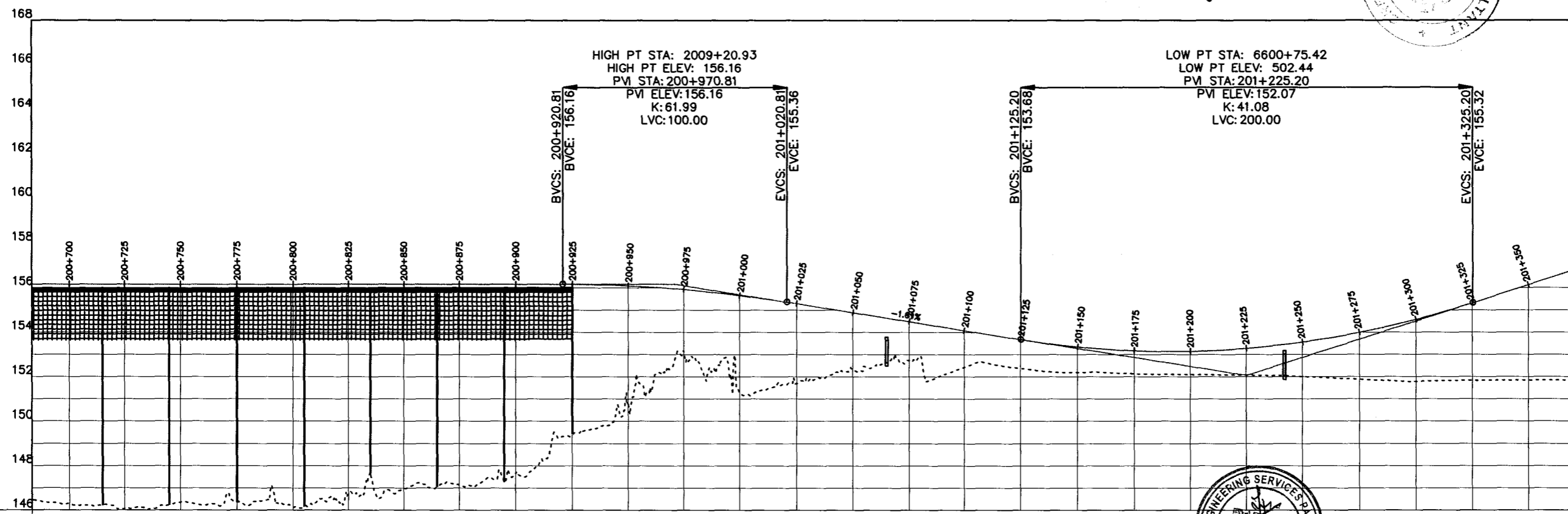
BOX CULVERT
STATION=201+067
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 2

BOX CULVERT
STATION=201+242
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 2

1cm = 30m
= 200+650
= 0°
= 18
= 30 m
= 540 m



Signature



HIGH PT STA: 2009+20.93
HIGH PT ELEV: 156.16
PVI STA: 200+970.81
PVI ELEV: 156.16
K: 61.99
LVC: 100.00

LOW PT STA: 6600+75.42
LOW PT ELEV: 502.44
PVI STA: 201+225.20
PVI ELEV: 152.07
K: 41.08
LVC: 200.00

Station	CH	N.S.L	P.G.L
200+650	146.458	156.159	
200+700	146.262	156.160	
200+725	146.060	156.160	
200+750	146.371	156.161	
200+775	146.365	156.161	
200+800	146.121	156.162	
200+825	146.741	156.162	
200+850	146.943	156.163	
200+875	147.132	156.163	
200+900	147.661	156.163	
200+925	149.433	156.163	
200+950	150.799	156.096	
200+975	153.114	155.928	
201+000	151.241	155.660	
201+025	151.698	155.292	
201+050	152.322	154.889	
201+075	152.742	154.486	
201+100	152.431	154.083	
201+125	152.375	153.680	
201+150	152.198	153.352	
201+175	152.136	153.177	
201+200	152.101	153.153	
201+225	152.069	153.281	
201+250	152.005	153.562	
201+275	151.886	153.995	
201+300	151.781	154.580	
201+325	151.827	155.317	
201+350	151.841	156.131	

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
200+683.00 - 201+370.00

DESIGN BY:	SHEET NO:
A.S	121 OF 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

BOX CULVERT
STATION=201+468
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

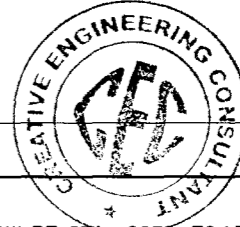
BOX CULVERT
STATION=201+628
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

S.W. STATION = 201+673
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m

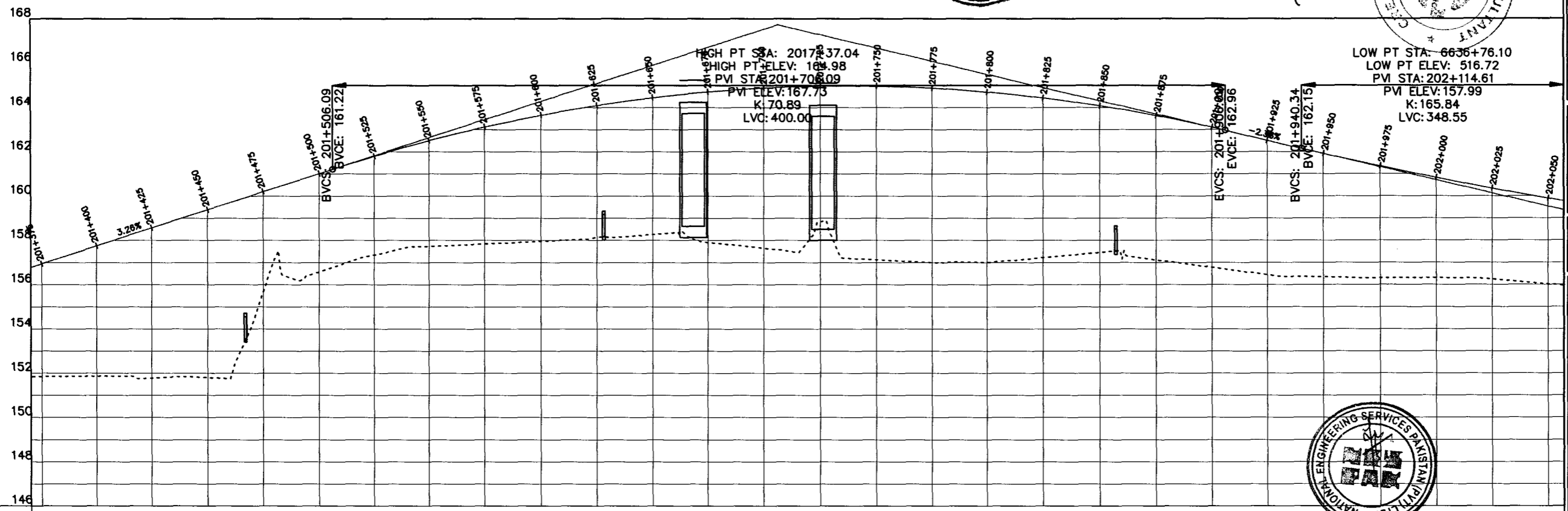
S.W. STATION = 201+730
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m

BOX CULVERT
STATION=201+858
SKEW = 0°
No. OF CELL = 1
WIDTH = 2.5
DEPTH = 1.5

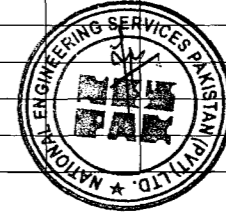
201+400 201+500 201+600 201+700 201+800 201+900 202+000



Signature



L=2554.86m



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

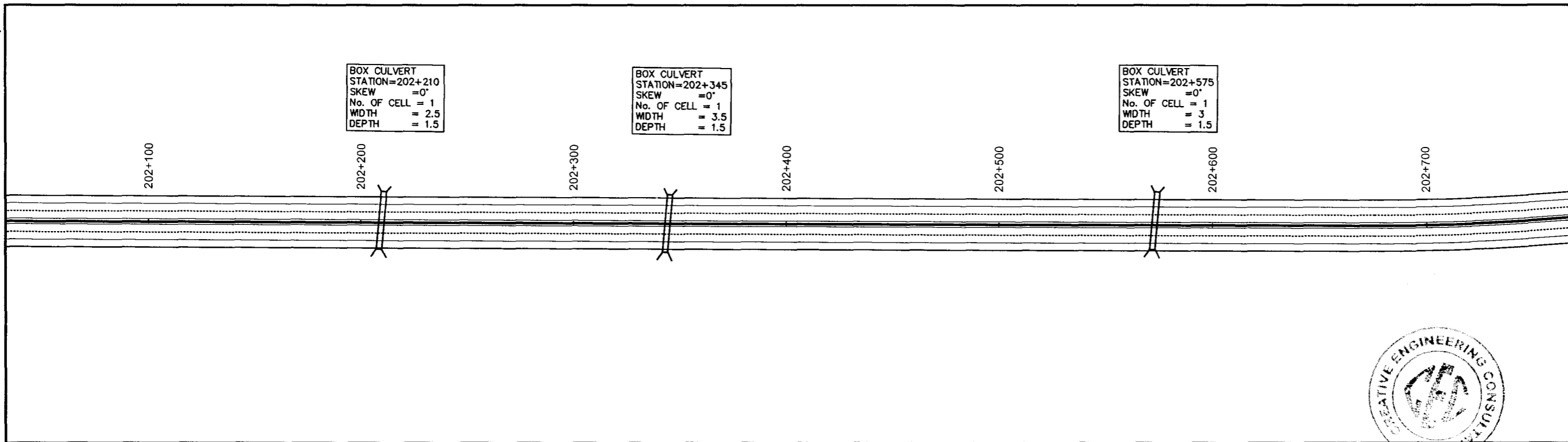
- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
PLAN & PROFILE
201+370.00 - 202+057.00

DESIGN BY: A.S	SHEET NO: 122 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

HCD	L=2554.86m																												
VCD	Grade (3.26%) Tangent Length (180.89) Chainage (201+506.09) Elevation (161.22)									Grade (-2.38%) Tangent Length (34.24) Chainage (201+940.34) Elevation (162.15)																			
P.G.L	201+370	201+375	201+400	201+425	201+450	201+475	201+500	201+525	201+550	201+575	201+600	201+625	201+650	201+675	201+700	201+725	201+750	201+775	201+800	201+825	201+850	201+875	201+900	201+925	201+950	201+975	202+000	202+025	202+050
N.S.L	151.863	151.855	151.870	151.781	151.800	155.700	156.578	157.342	157.732	157.842	157.958	158.148	158.267	157.909	157.651	158.845	157.124	156.992	157.005	157.220	157.454	157.113	156.778	156.443	156.355	156.301	156.309	156.239	156.014
CH	156.783	156.946	157.760	158.574	159.389	160.203	161.018	161.807	162.510	163.126	163.653	164.092	164.443	164.706	164.881	164.968	164.966	164.876	164.698	164.432	164.078	163.635	163.105	162.511	161.918	161.355	160.830	160.343	159.893



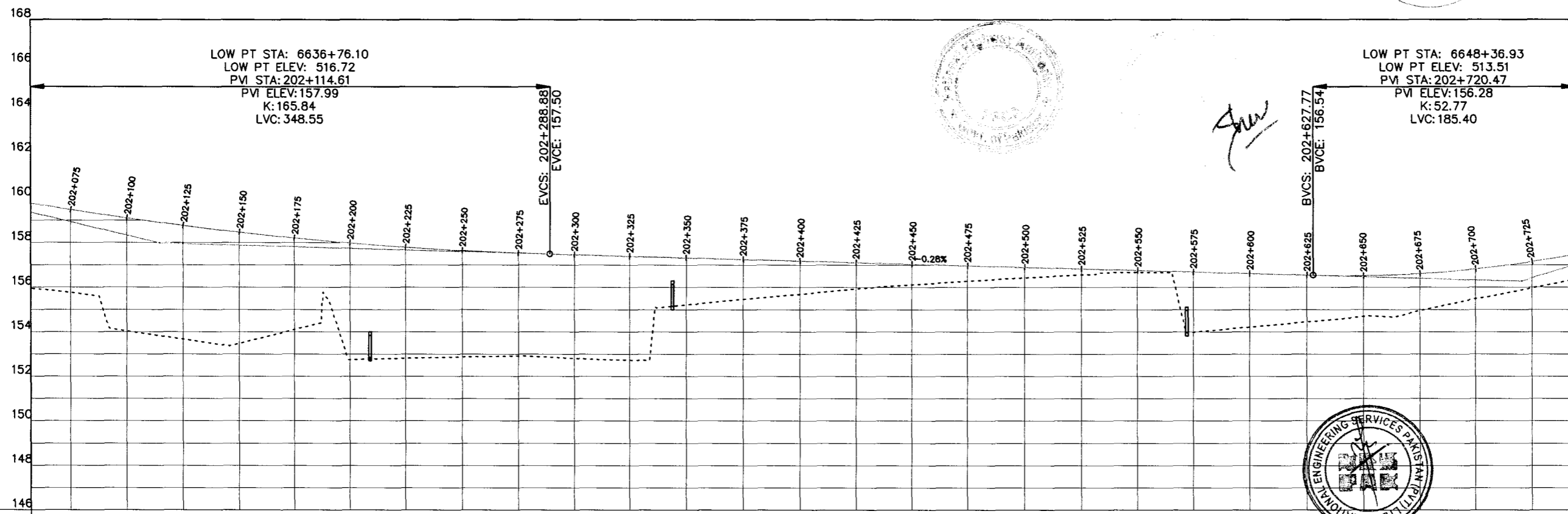
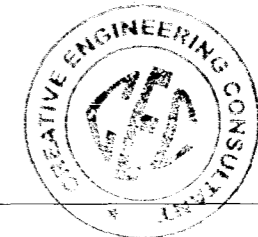
BOX CULVERT
STATION=202+210
SKEW = 0°
No. OF CELL = 1
WIDTH = 3.5
DEPTH = 1.5

BOX CULVERT
STATION=202+345
SKEW = 0°
No. OF CELL = 1
WIDTH = 3.5
DEPTH = 1.5

BOX CULVERT
STATION=202+575
SKEW = 0°
No. OF CELL = 1
WIDTH = 3.5
DEPTH = 1.5

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



L=2554.86m

L=768.55m
R=1000.00m

HCD
VCD
Grade (-0.28%)
Tangent Length (338.89)
Chainage (202+627.77)
Elevation (156.54)

P.G.L	202+075	202+100	202+125	202+150	202+175	202+200	202+225	202+250	202+275	202+300	202+325	202+350	202+375	202+400	202+425	202+450	202+475	202+500	202+525	202+550	202+575	202+600	202+625	202+650	202+675	202+700	202+725
N.S.L	159.47	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481
CH	159.774	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481	159.481

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 KM)
PACKAGE-1
(KM 121+500 TO KM 233+200)

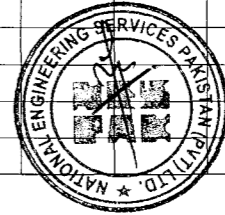
CLIENT:
NHA NATIONAL HIGHWAYS
AUTHORITY (NHA)

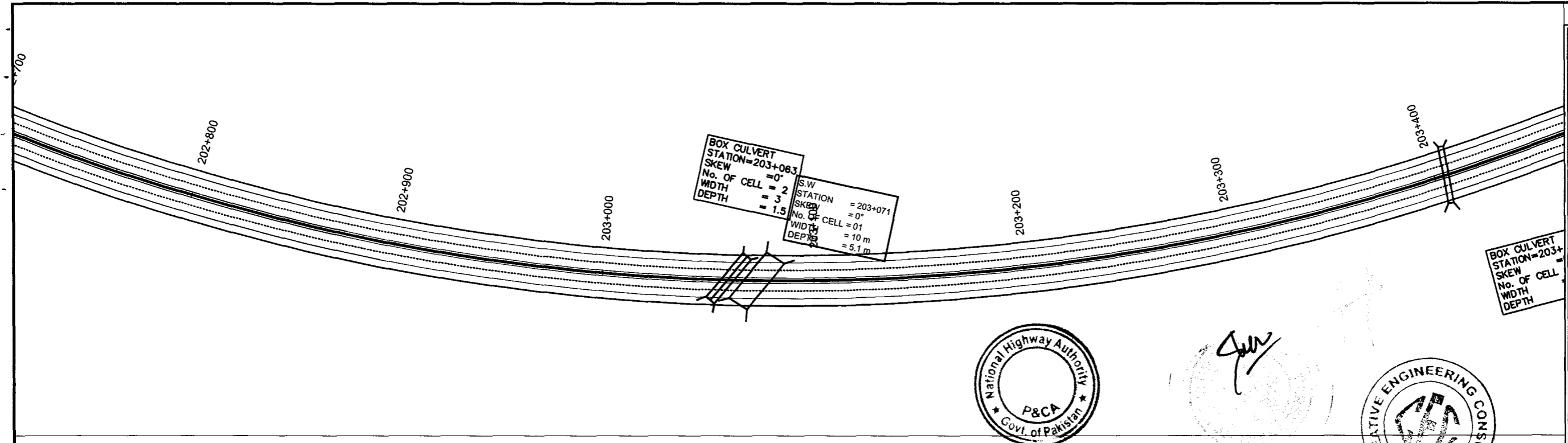
- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHIELADIA ASSOCIATES
 - CC CEC
 - AAA AAA
 - ACE ACE
 - AA AA
 - ACC ACC

DRAWING TITLE:
PLAN & PROFILE
202+057.00 - 202+744.00

DESIGN BY: A.S	SHEET NO: 123 OF 170
DRAWN BY: S.A	SCALE: H=1:2000 V=1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

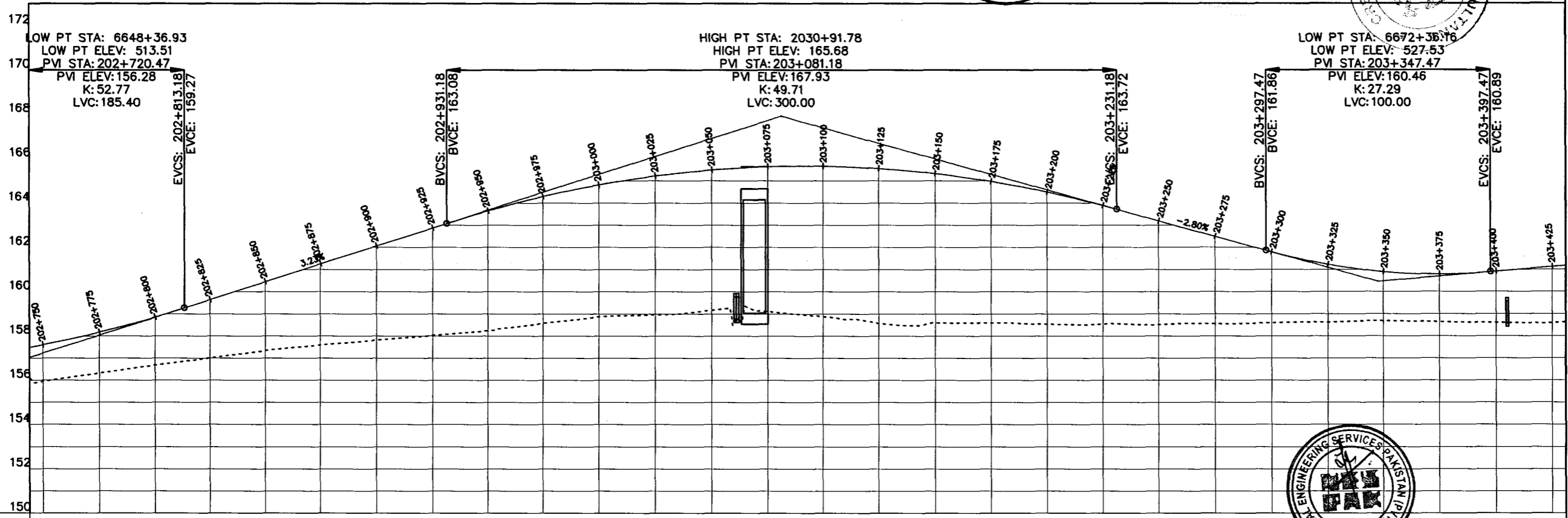
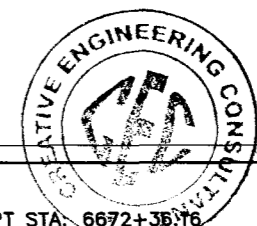




BOX CULVERT
STATION=203+063
SKEW = 0°
No. OF CELL = 2
WIDTH = 3
DEPTH = 1.5

S.W. STATION = 203+071
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m

BOX CULVERT
STATION=203+
SKEW = 0°
No. OF CELL =
WIDTH =
DEPTH =



Station	HCD	VCD	P.G.L	N.S.L	CH
202+744			157.489	156.117	157.489
202+750			157.608	155.946	157.608
202+775			158.175	156.323	158.175
202+800			158.861	156.682	158.861
202+825			159.653	157.011	159.653
202+850			160.460	157.340	160.460
202+875			161.268	157.590	161.268
202+900			162.076	157.812	162.076
202+925			162.883	158.030	162.883
202+950			163.655	158.243	163.655
202+975			164.305	158.576	164.305
203+000			164.830	158.873	164.830
203+025			165.228	158.953	165.228
203+050			165.501	159.166	165.501
203+075			165.649	159.102	165.649
203+100			165.670	158.876	165.670
203+125			165.566	158.569	165.566
203+150			165.336	158.597	165.336
203+175			164.980	158.593	164.980
203+200			164.499	158.537	164.499
203+225			163.892	158.539	163.892
203+250			163.195	158.514	163.195
203+275			162.494	158.556	162.494
203+300			161.794	158.595	161.794
203+325			161.231	158.613	161.231
203+350			160.896	158.680	160.896
203+375			160.791	158.635	160.791
203+400			160.914	158.601	160.914
203+425			161.129	158.596	161.129

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

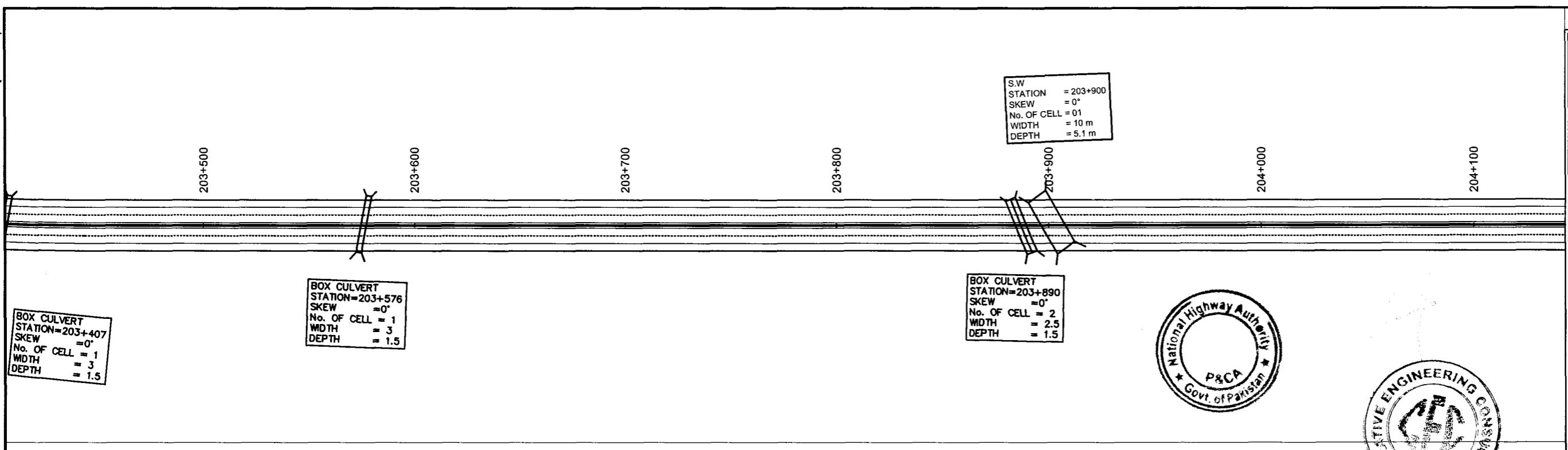
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
202+744.00 - 203+431.00

DESIGN BY: A.S	SHEET NO: 124 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

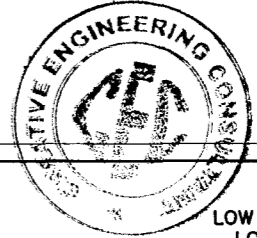


BOX CULVERT
STATION=203+407
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=203+576
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=203+890
SKEW = 0°
No. OF CELL = 2
WIDTH = 2.5
DEPTH = 1.5

S.W
STATION = 203+900
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

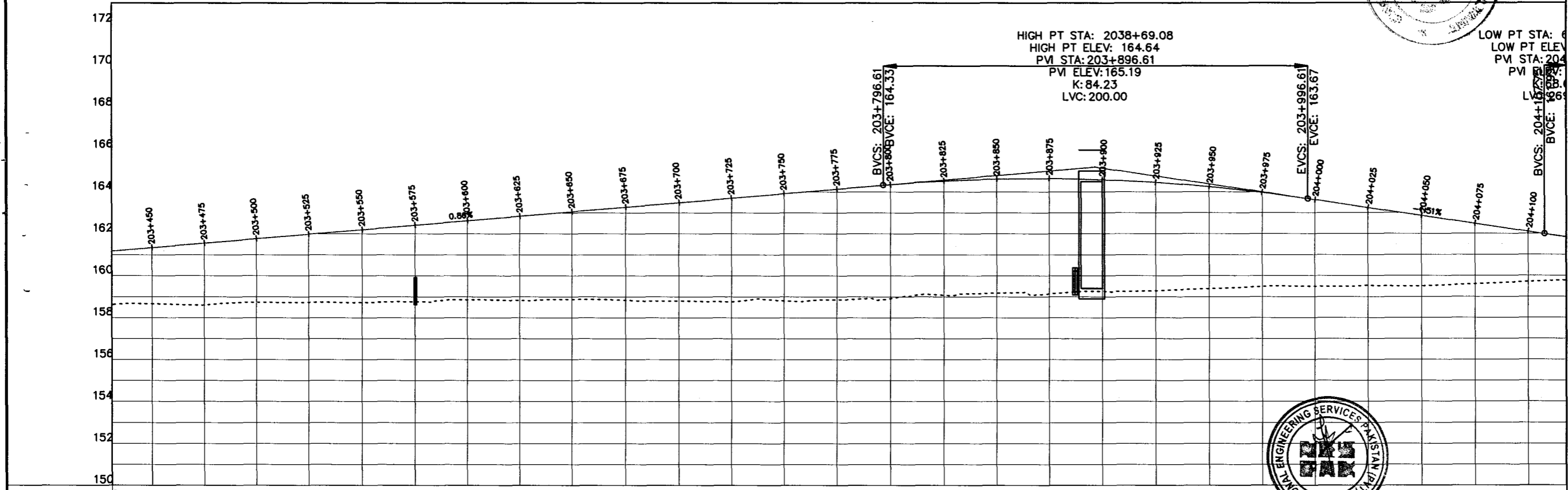
LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 KM)
PACKAGE-1
(KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD
in Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC



HCD L=768.55m R=1000.00m L=1043.66m

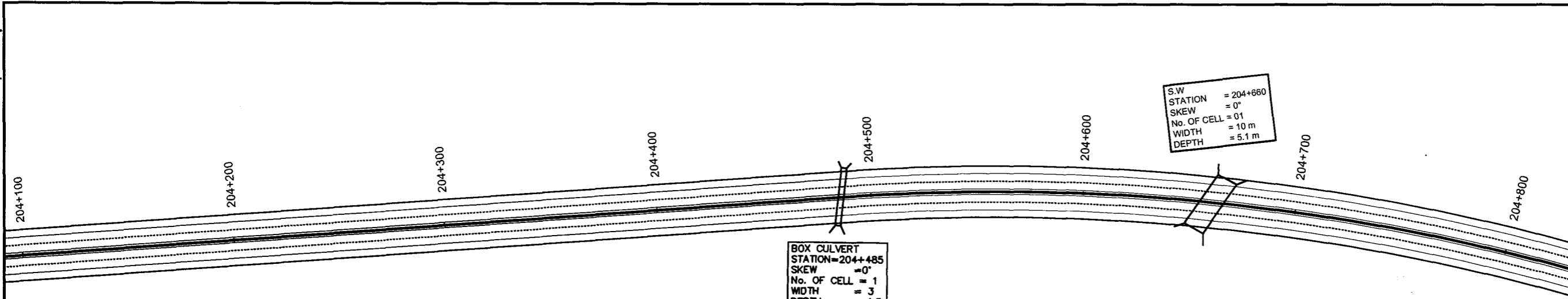
VCD
Grade (0.86%)
Tangent Length (399.14)
Chainage (203+796.61)
Elevation (164.33)
Grade (-1.51%)
Tangent Length (111.14)
Chainage (204+107.75)
Elevation (161.99)

Station	P.G.L	N.S.L	CH
203+431	161.181	158.629	161.181
203+450	161.344	158.660	161.344
203+475	161.559	158.607	161.559
203+500	161.774	158.733	161.774
203+525	161.989	158.735	161.989
203+550	162.204	158.722	162.204
203+575	162.419	158.764	162.419
203+600	162.635	158.857	162.635
203+625	162.850	158.824	162.850
203+650	163.065	158.872	163.065
203+675	163.280	158.833	163.280
203+700	163.495	158.797	163.495
203+725	163.710	158.765	163.710
203+750	163.925	158.808	163.925
203+775	164.140	158.851	164.140
203+800	164.355	158.916	164.355
203+825	164.523	159.071	164.523
203+850	164.616	159.172	164.616
203+875	164.636	159.136	164.636
203+900	164.581	159.261	164.581
203+925	164.452	159.288	164.452
203+950	164.249	159.381	164.249
203+975	163.972	159.478	163.972
204+000	163.621	159.487	163.621
204+025	163.243	159.536	163.243
204+050	162.864	159.508	162.864
204+075	162.486	159.606	162.486
204+100	162.107	159.708	162.107

DRAWING TITLE:
PLAN & PROFILE
203+431.00 - 204+118.00

DESIGN BY: A.S	SHEET NO: 125 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22



S.W
STATION = 204+660
SKEW = 0°
No. OF CELL = 01
WIDTH = 10 m
DEPTH = 5.1 m

BOX CULVERT
STATION=204+485
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS
REV. REVISION/ISSUE DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 KM)
PACKAGE-1
(KM 121+500 TO KM 233+200)

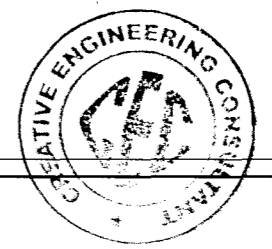
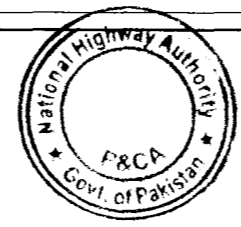
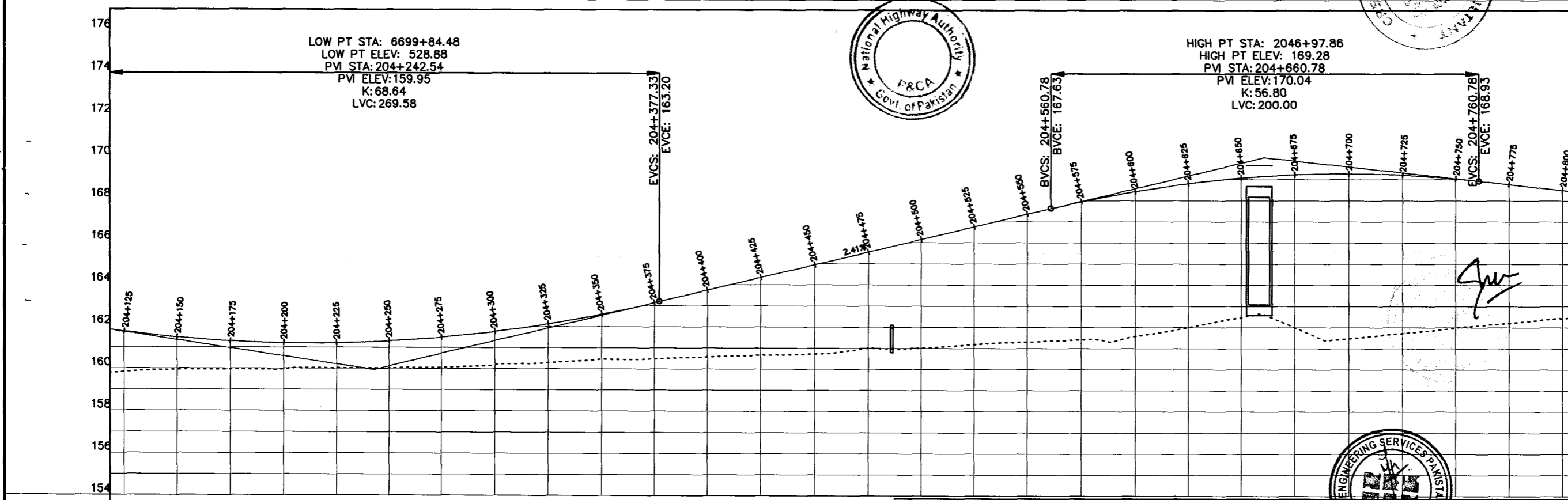
CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

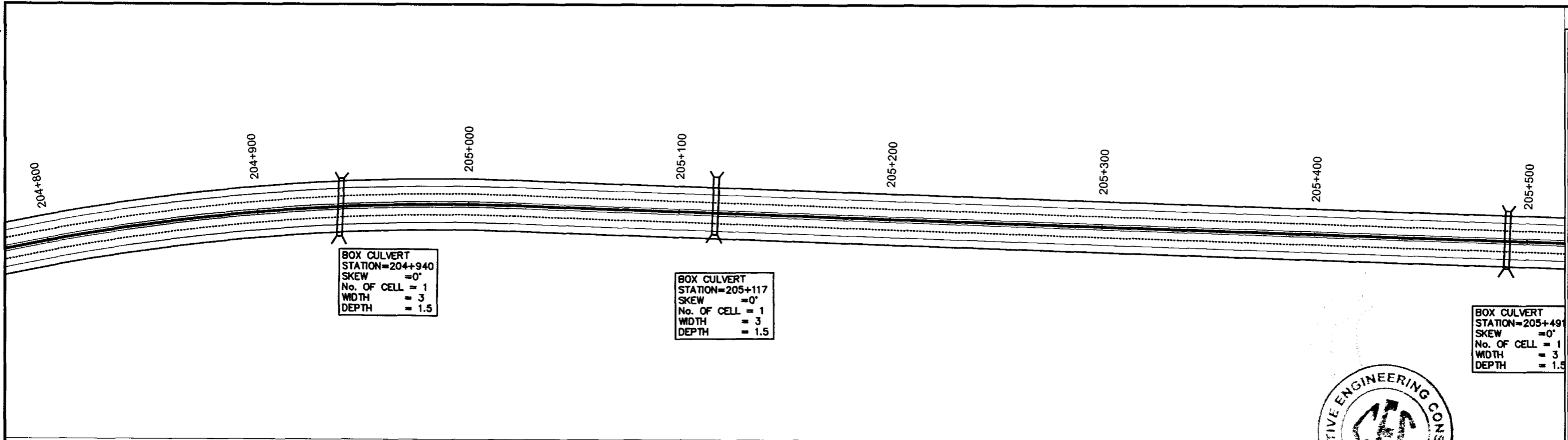
DRAWING TITLE:
PLAN & PROFILE
204+118.00 - 204+805.00

DESIGN BY: A.S	SHEET NO. 128 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22



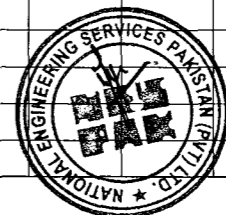
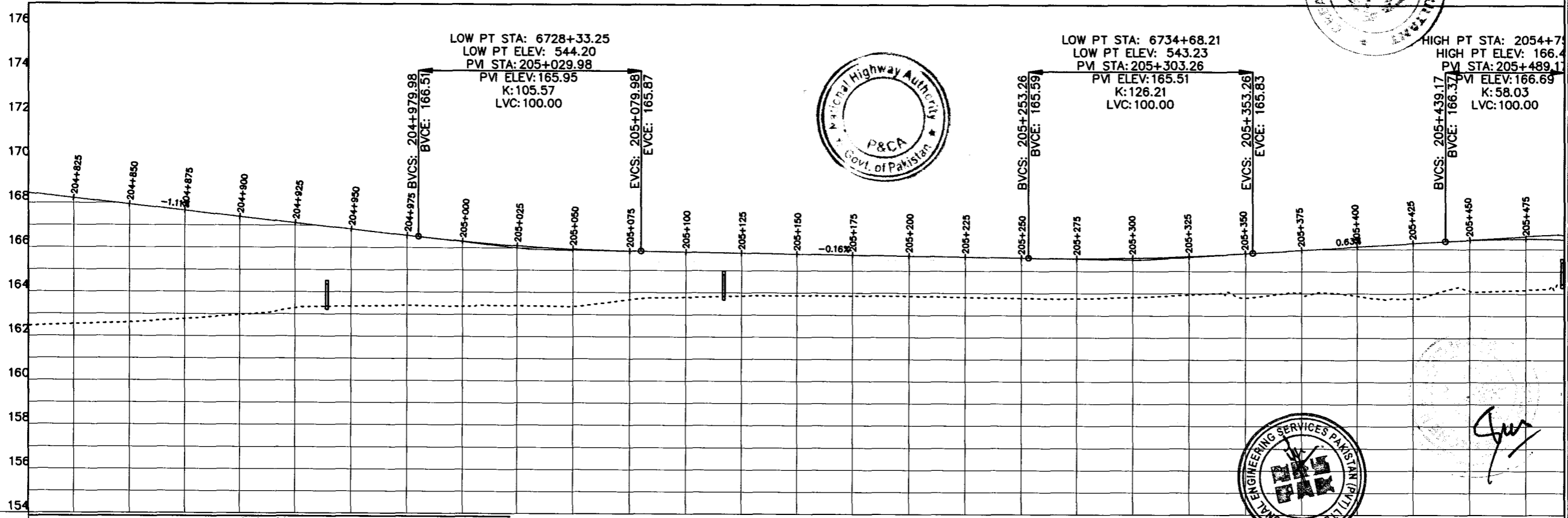
HCD	L=1043.66m																		L=534.31m R=1000.00m																																										
VCD	Grade (2.41%) Tangent Length (183.45) Chainage (204+560.78) Elevation (167.63)																																																												
P.G.L	204+118	204+125	204+150	204+175	204+200	204+225	204+250	204+275	204+300	204+325	204+350	204+375	204+400	204+425	204+450	204+475	204+500	204+525	204+550	204+575	204+600	204+625	204+650	204+675	204+700	204+725	204+750	204+775	204+800	161.842	161.750	161.480	161.301	161.213	161.216	161.310	161.495	161.771	162.138	162.597	163.146	163.749	164.352	164.955	165.559	166.162	166.765	167.369	167.954	168.440	168.815	169.081	169.237	169.282	169.218	169.043	168.777	168.500			
N.S.L	204+118	204+125	204+150	204+175	204+200	204+225	204+250	204+275	204+300	204+325	204+350	204+375	204+400	204+425	204+450	204+475	204+500	204+525	204+550	204+575	204+600	204+625	204+650	204+675	204+700	204+725	204+750	204+775	204+800	159.785	159.832	159.944	159.956	159.973	160.023	160.020	160.055	160.184	160.291	160.454	160.484	160.572	160.665	160.722	160.802	160.905	161.018	161.131	161.244	161.357	161.470	161.583	161.696	161.809	161.922	162.035	162.148	162.261	162.374	162.487	162.600
CH	204+118	204+125	204+150	204+175	204+200	204+225	204+250	204+275	204+300	204+325	204+350	204+375	204+400	204+425	204+450	204+475	204+500	204+525	204+550	204+575	204+600	204+625	204+650	204+675	204+700	204+725	204+750	204+775	204+800	161.842	161.750	161.480	161.301	161.213	161.216	161.310	161.495	161.771	162.138	162.597	163.146	163.749	164.352	164.955	165.559	166.162	166.765	167.369	167.954	168.440	168.815	169.081	169.237	169.282	169.218	169.043	168.777	168.500			



BOX CULVERT
STATION=204+940
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=205+117
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION=205+491
SKEW = 0°
No. OF CELL = 1
WIDTH = 3
DEPTH = 1.5



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

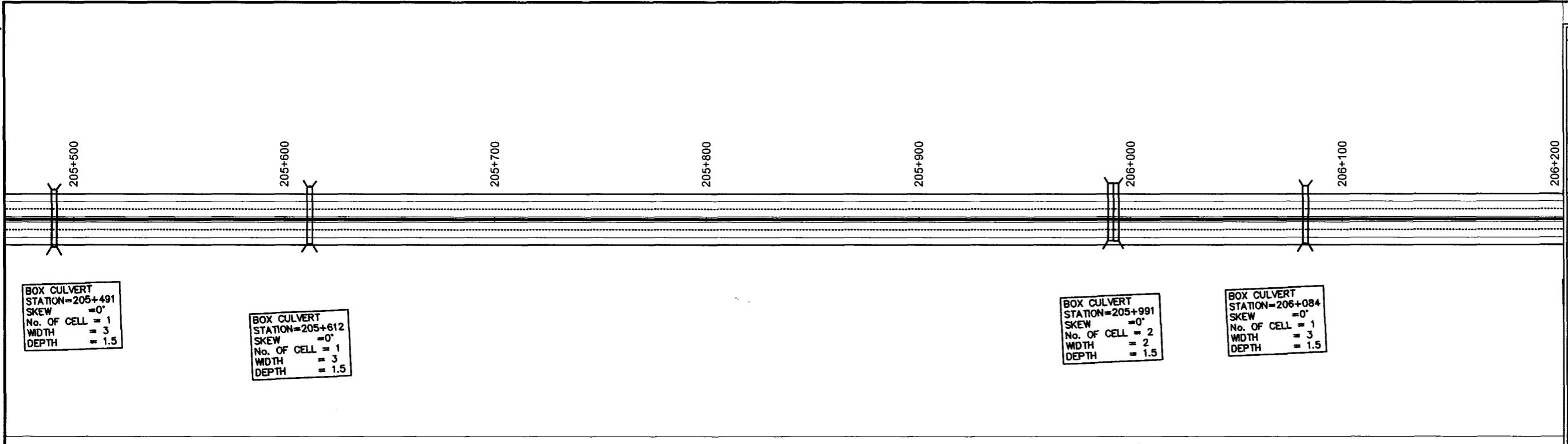
CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
204+805.00 - 205+492.00

DESIGN BY: A.S	SHEET NO: 127 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

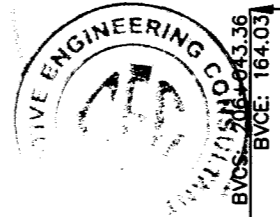
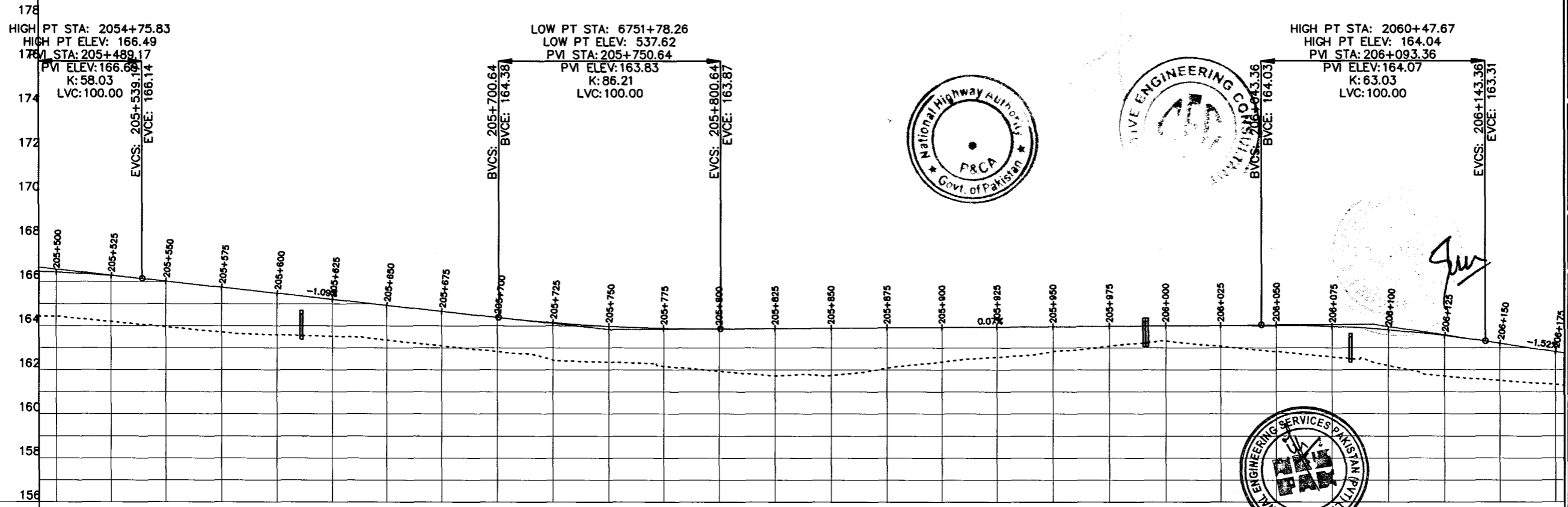
CAD FILE NAME:
CAREC/T-III/TD/22

HCD	L=534.31m R=1000.00m															L=1945.38m																													
VCD	Grade (-1.11%) Tangent Length (219.20) Chainage (204+979.98) Elevation (166.51)															Grade (-0.16%) Tangent Length (173.28) Chainage (205+253.26) Elevation (165.59)															Grade (0.63%) Tangent Length (85.91) Chainage (205+439.17) Elevation (166.37)														
P.G.L	204+805	204+825	204+850	204+875	204+900	204+925	204+950	204+975	205+000	205+025	205+050	205+075	205+100	205+125	205+150	205+175	205+200	205+225	205+250	205+275	205+300	205+325	205+350	205+375	205+400	205+425	205+450	205+475																	
N.S.L	162.449	162.533	162.602	162.772	162.957	163.276	163.354	163.395	163.357	163.387	163.361	163.683	163.792	163.858	163.879	163.869	163.862	163.819	163.776	163.761	163.825	163.942	163.797	163.970	163.890	163.775	164.120	164.176																	
CH	166.444	168.223	167.946	167.669	167.392	167.115	166.838	166.561	166.303	166.103	165.962	165.881	165.840	165.799	165.759	165.719	165.679	165.639	165.599	165.577	165.605	165.682	165.809	165.967	166.124	166.282	166.430	166.488																	



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

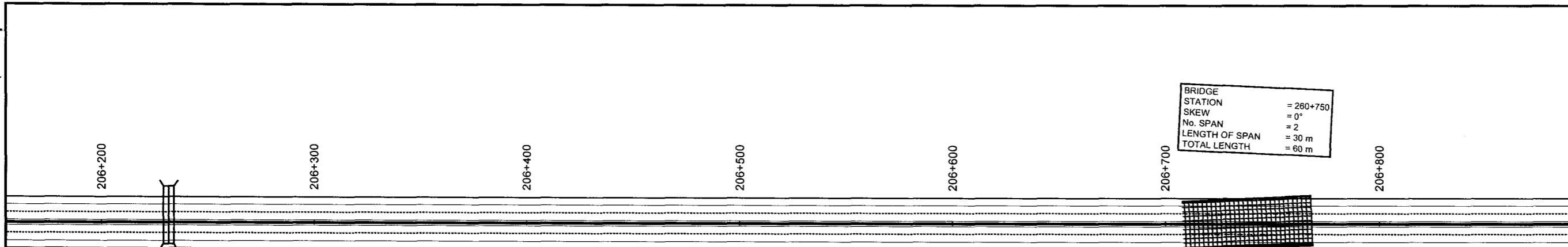
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

HCD	L=1945.38m																													
VCD	Grade (-1.09%) Tangent Length (161.47) Chainage (205+700.64) Elevation (164.38)						Grade (0.07%) Tangent Length (242.72) Chainage (206+043.36) Elevation (164.03)								Grade (-1.5%) Tangent Length (164.36) Chainage (206+143.36) Elevation (163.31)															
P.G.L	166.465	166.427	166.437	166.279	166.024	165.751	165.478	165.205	164.932	164.659	164.386	164.148	163.982	163.888	163.867	163.884	163.901	163.919	163.936	163.953	163.970	163.987	164.004	164.021	164.035	163.976	163.818	163.561	163.208	162.828
N.S.L	164.427	164.421	164.189	163.952	163.715	163.589	163.521	163.349	163.089	162.830	162.445	162.347	162.166	161.941	161.724	161.746	162.082	162.362	162.574	162.837	163.077	163.300	163.062	162.824	162.581	162.193	161.714	161.510	161.339	161.339
CH	205+492	205+500	205+525	205+550	205+575	205+600	205+625	205+650	205+675	205+700	205+725	205+750	205+775	205+800	205+825	205+850	205+875	205+900	205+925	205+950	205+975	206+000	206+025	206+050	206+075	206+100	206+125	206+150	206+175	206+179

DRAWING TITLE:
PLAN & PROFILE
205+492.00 - 206+179.00

DESIGN BY:	SHEET NO:
A.S	128 OF 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22

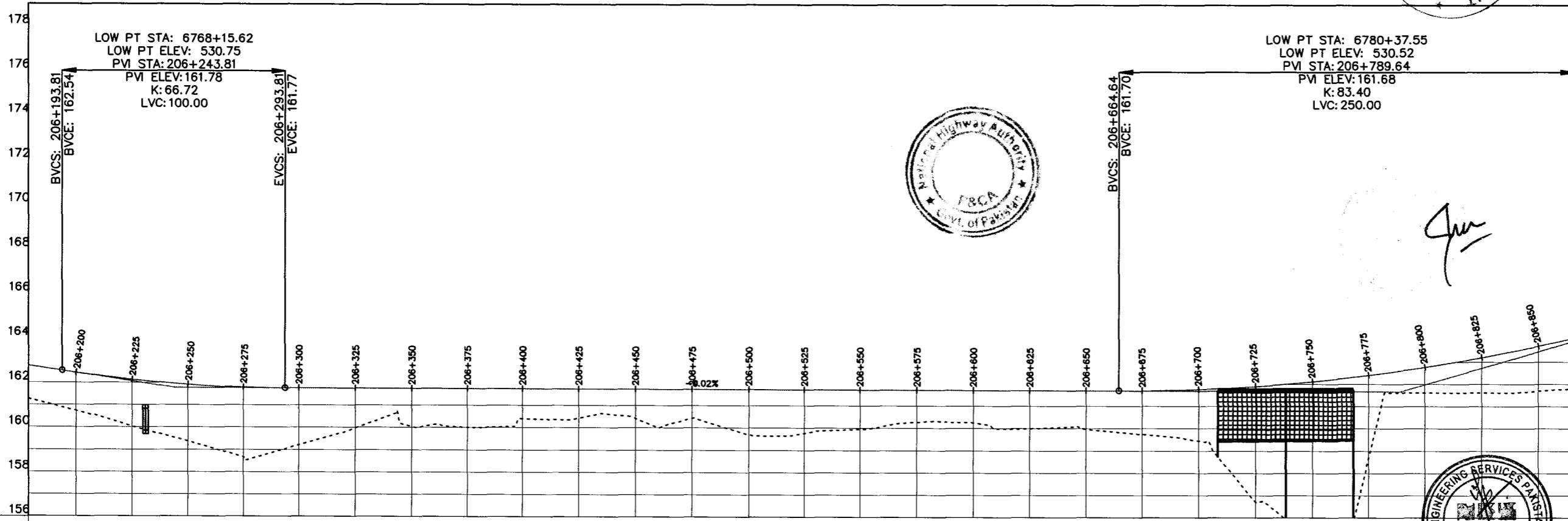
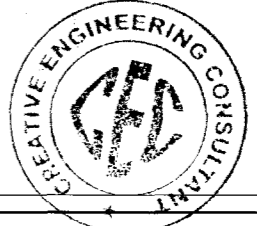


BRIDGE
 STATION = 260+750
 SKEW = 0°
 No. SPAN = 2
 LENGTH OF SPAN = 30 m
 TOTAL LENGTH = 60 m

BOX CULVERT
 STATION = 206+232
 SKEW = 0°
 No. OF CELL = 2
 WIDTH = 2.5
 DEPTH = 1.5

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN-DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 KM)
 PACKAGE-1
 (KM 121+500 TO KM 233+200)

CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

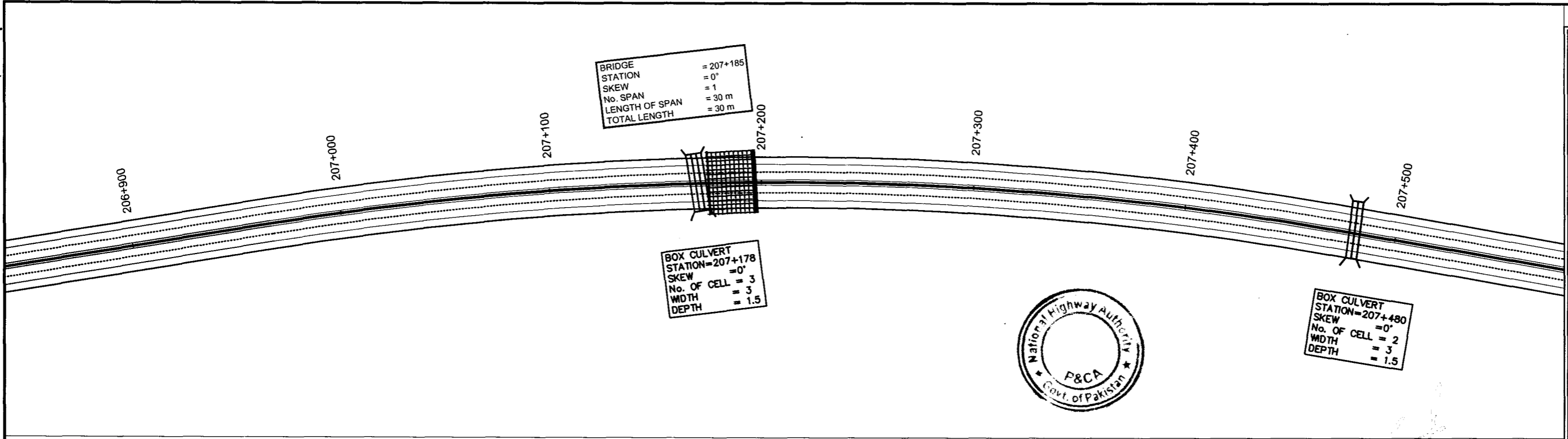
- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 206+179.00 - 206+866.00

DESIGN BY: A.S	SHEET NO. 129 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/22

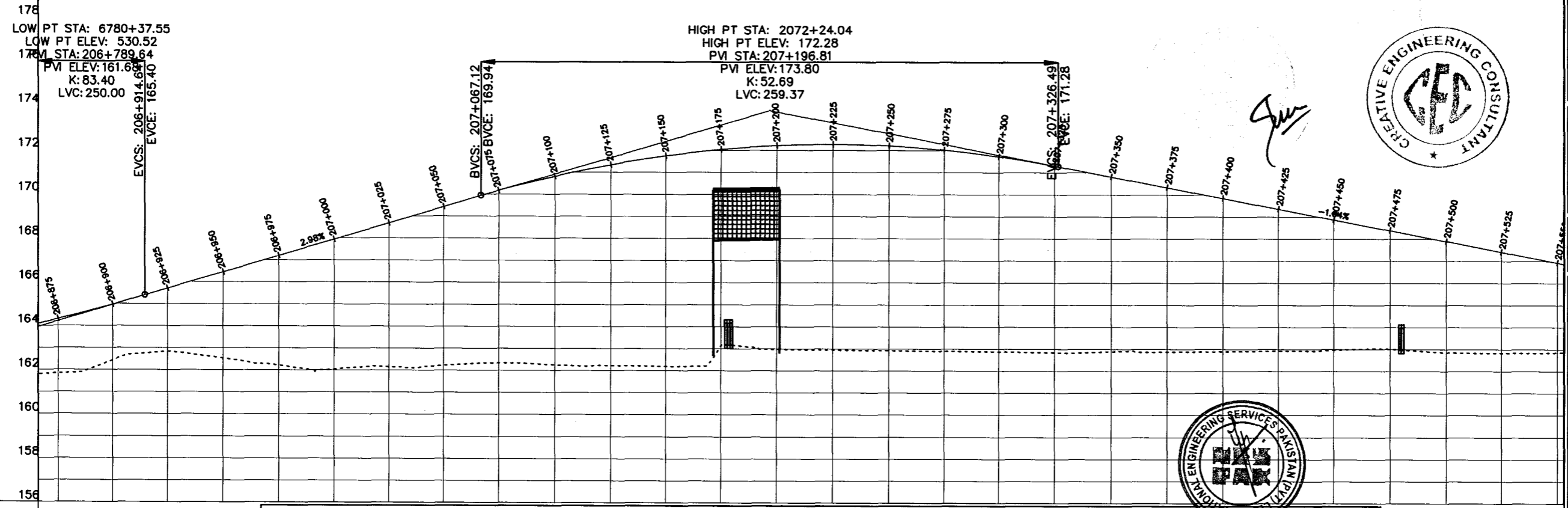
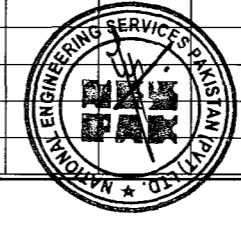
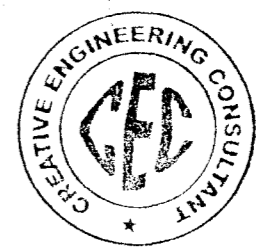
HCD	L=1945.38m																											
VCD	Grade (-0.02%) Tangent Length (370.83) Chainage (206+664.64) Elevation (161.70)																											
P.G.L	206+175	206+200	206+225	206+250	206+275	206+300	206+325	206+350	206+375	206+400	206+425	206+450	206+475	206+500	206+525	206+550	206+575	206+600	206+625	206+650	206+675	206+700	206+725	206+750	206+775	206+800	206+825	206+850
N.S.L	161.271	160.735	160.036	159.366	158.669	159.212	159.972	160.041	160.005	160.399	160.431	160.418	160.436	159.699	159.773	159.951	160.278	160.250	159.996	159.963	159.740	159.447	156.705	155.116	158.667	161.618	161.620	161.701
CH	162.768	162.452	162.142	161.926	161.804	161.773	161.768	161.763	161.758	161.753	161.749	161.744	161.739	161.734	161.729	161.724	161.720	161.715	161.710	161.705	161.707	161.770	161.909	162.122	162.411	162.774	163.213	163.726



BRIDGE
STATION = 207+185
SKEW = 0°
No. SPAN = 1
LENGTH OF SPAN = 30 m
TOTAL LENGTH = 30 m

BOX CULVERT
STATION = 207+178
SKEW = 0°
No. OF CELL = 3
WIDTH = 3
DEPTH = 1.5

BOX CULVERT
STATION = 207+480
SKEW = 0°
No. OF CELL = 2
WIDTH = 3
DEPTH = 1.5



HCD	L=1945.38m															L=503.77m R=1500.00m															L=591.46m														
VCD	Grade (2.98%) Tangent Length (152.48) Chainage (207+067.12) Elevation (169.94)															Grade (-1.94%) Tangent Length (245.79) Chainage (207+572.28) Elevation (166.50)																													
P.G.L	206+866	206+875	206+900	206+925	206+950	206+975	207+000	207+025	207+050	207+075	207+100	207+125	207+150	207+175	207+200	207+225	207+250	207+275	207+300	207+325	207+350	207+375	207+400	207+425	207+450	207+475	207+500	207+525	207+550																
N.S.L	161.795	161.840	162.445	162.836	162.534	162.216	162.038	162.154	162.224	162.330	162.248	162.230	162.193	163.148	162.975	162.948	162.925	162.907	162.875	162.835	162.889	162.874	162.899	162.921	162.969	163.009	162.851	162.827	162.846																
CH	164.994	164.314	164.977	165.709	166.454	167.198	167.943	168.687	169.432	170.170	170.818	171.347	171.758	172.050	172.223	172.278	172.214	172.032	171.731	171.311	170.825	170.339	169.853	169.367	188.881	168.394	167.908	167.422	166.936																

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

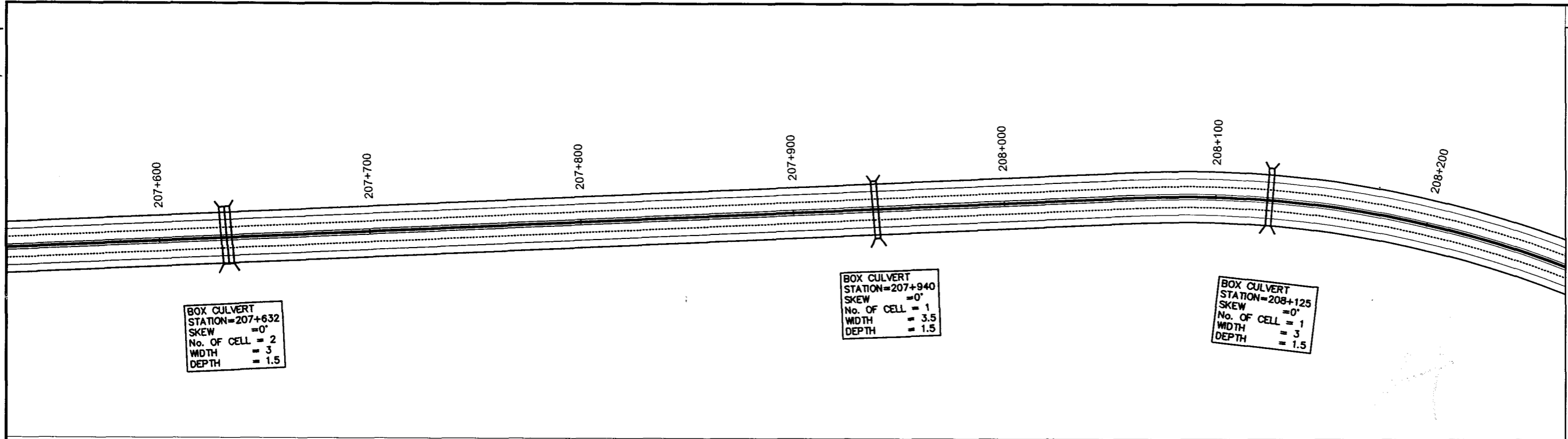
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
206+866.00 - 207+553.00

DESIGN BY: A.S	SHEET NO: 130 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22



NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN-DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 KM) PACKAGE-1 (KM 121+500 TO KM 233+200)

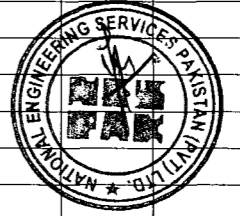
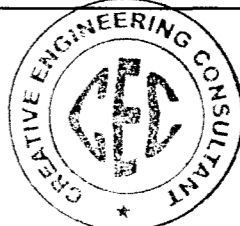
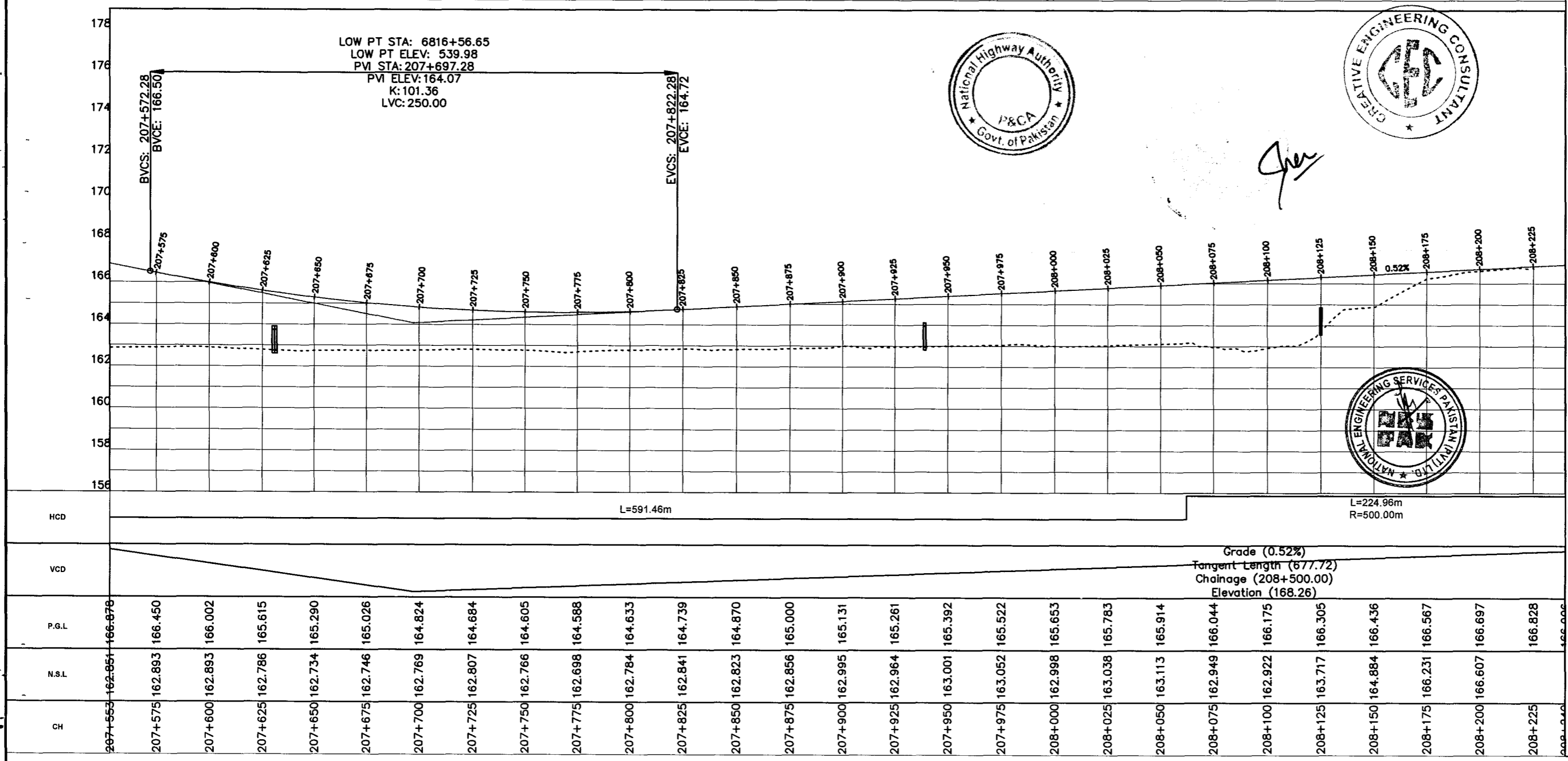
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

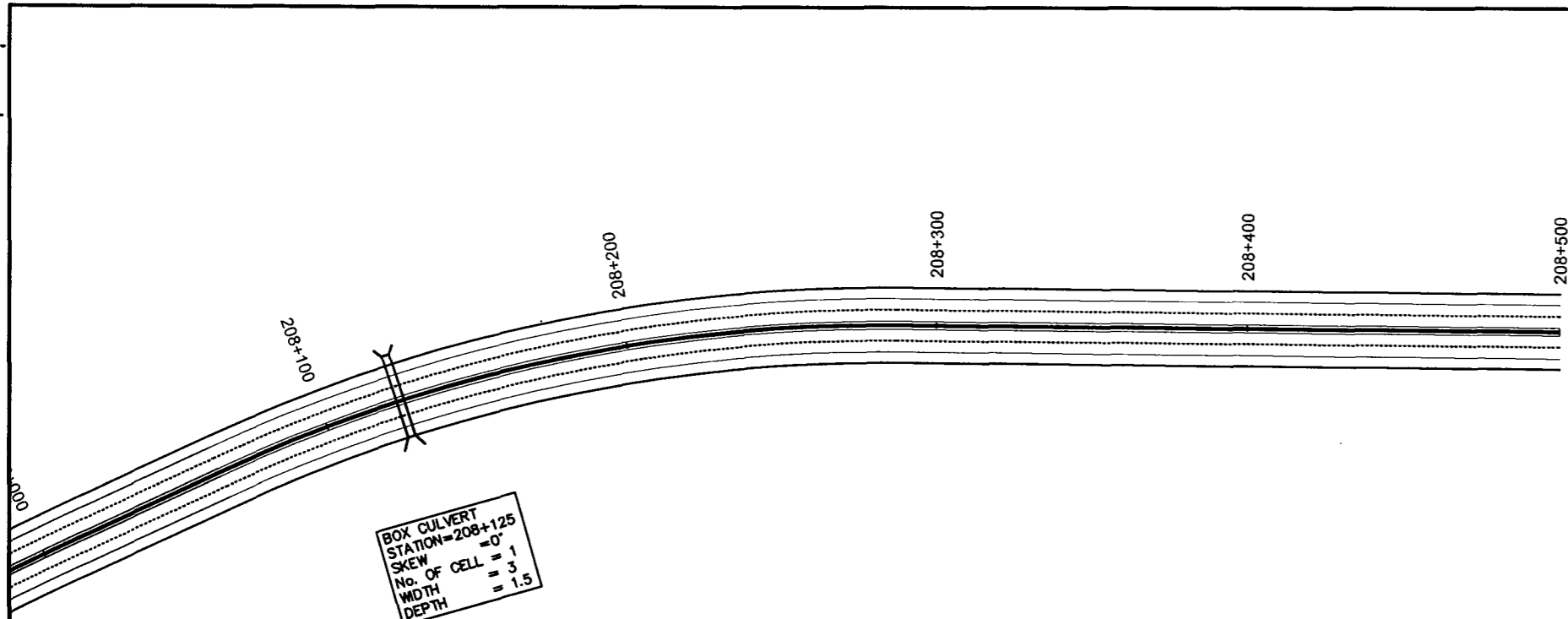
- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
207+553.00 - 208+240.00

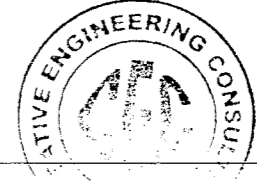
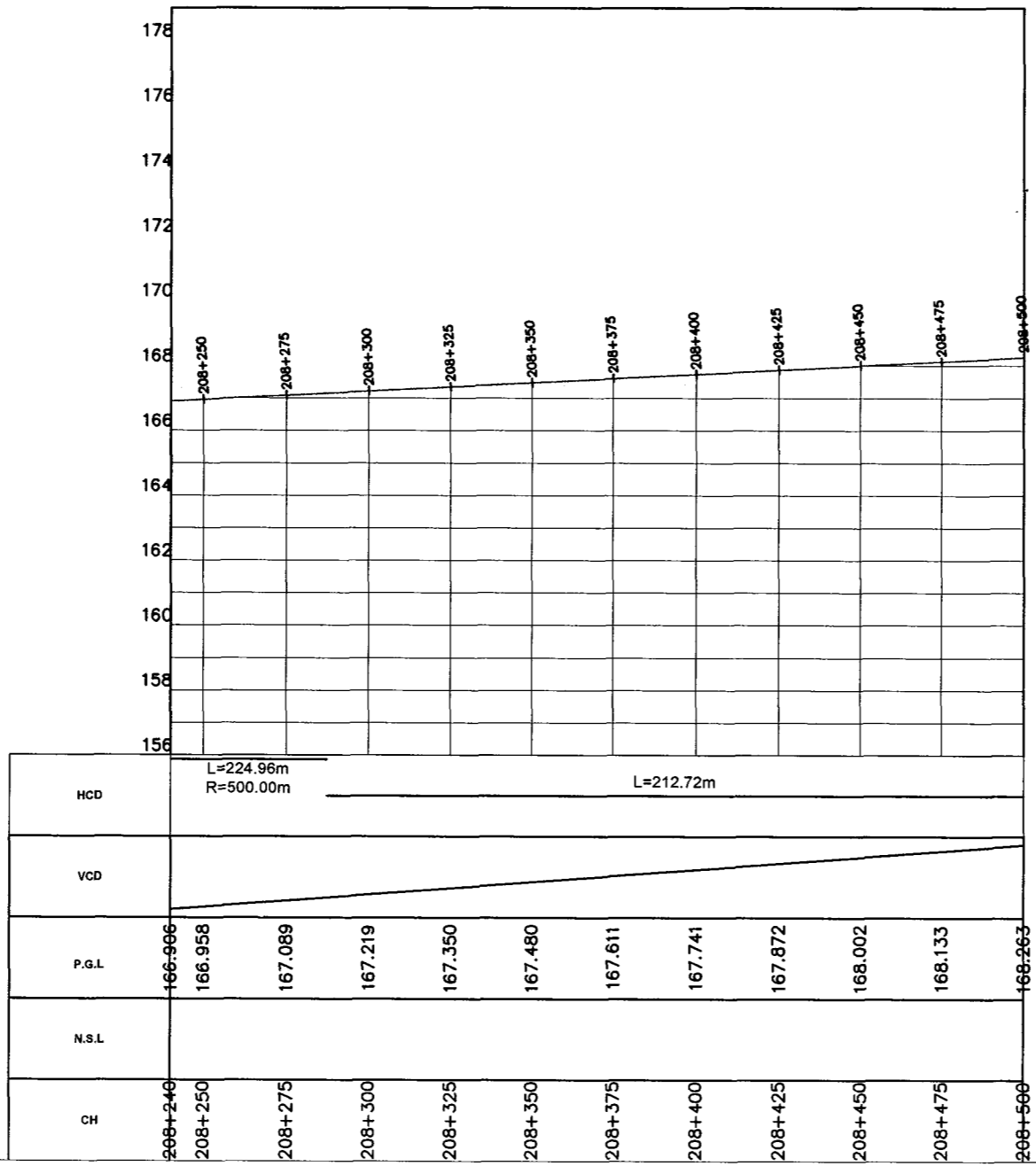
DESIGN BY: A.S	SHEET NO.: 131 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CAREC/T-III/TD/22





BOX CULVERT
 STATION=208+125
 SKEW = 0°
 No. OF CELL = 1
 WIDTH = 3
 DEPTH = 1.5



Signature

NOTES

1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
	TENDER DRAWINGS	

PROJECT:
 COSTRUCTION OF DG KHAN-DI KHAN
 SECTION OF N-55 AS 4-LANE HIGHWAY
 (208 KM)
 PACKAGE-1
 (KM 121+500 TO KM 233+200)

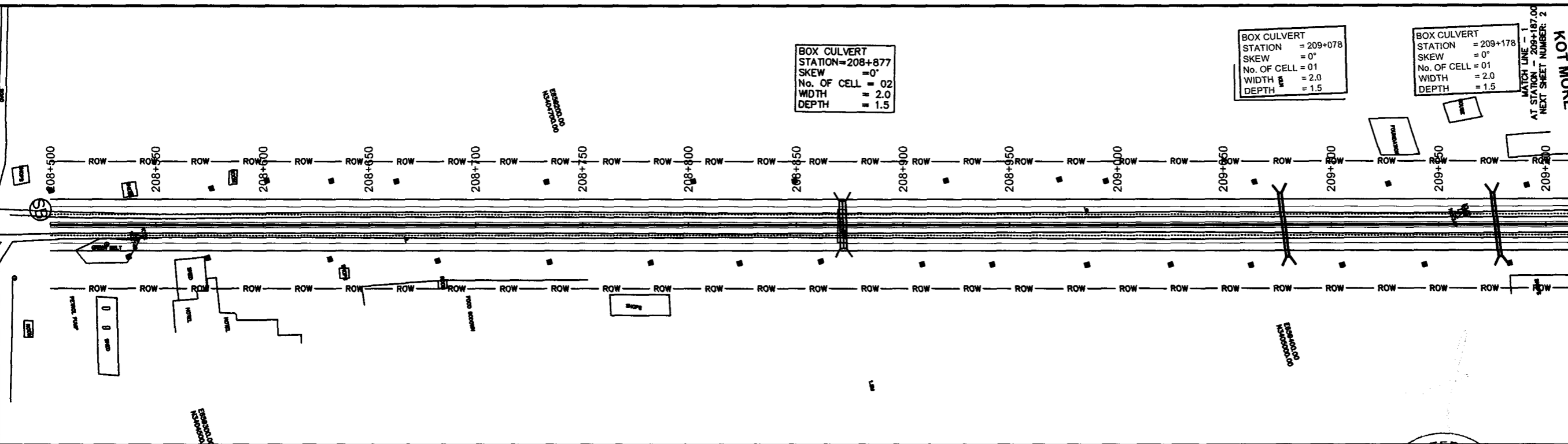
CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 208+240.00 - 208+500.00

DESIGN BY: A.S	SHEET NO: 132 OF 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CAREC/T-III/TD/22

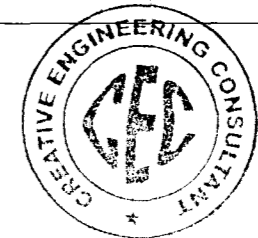
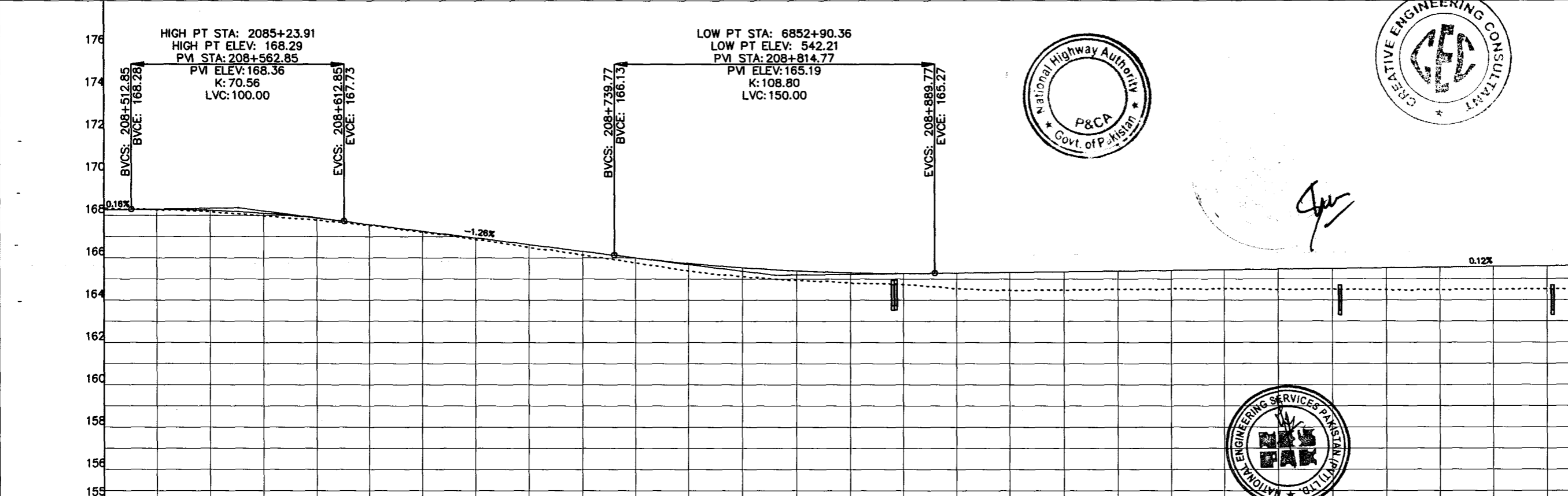


BOX CULVERT
 STATION = 208+877
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 209+078
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

BOX CULVERT
 STATION = 209+178
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

KOT MORE
 MATCH LINE - 1
 AT STATION - 209+187.00
 NEXT SHEET NUMBER: 2



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4- LANE HIGHWAY
 (208 Km)
 PACKAGE-2
 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 208+500.00 - 209+187.00

DESIGN BY: A.S	SHEET NO: 133 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/III/023

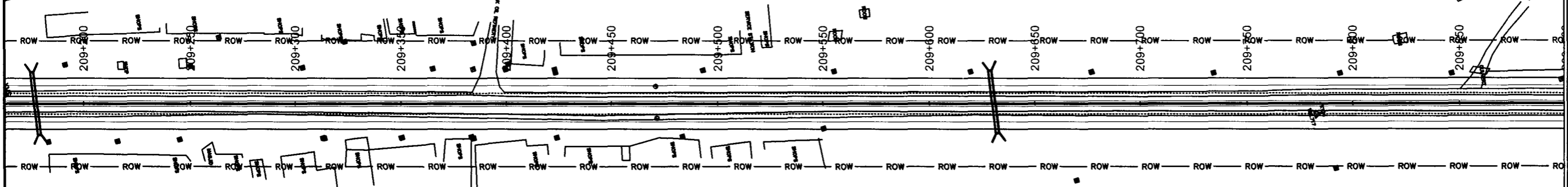
Station	HCD	VCD	P.G.L	N.S.L	CH
208+500	166.334	166.263	166.334	166.334	166.263
208+525	168.257	168.292	168.257	168.257	168.292
208+550	168.159	168.244	168.159	168.159	168.244
208+575	167.976	168.107	167.976	167.976	168.107
208+600	167.780	167.882	167.780	167.780	167.882
208+625	167.535	167.578	167.535	167.535	167.578
208+650	167.209	167.263	167.209	167.209	167.263
208+675	166.855	166.948	166.855	166.855	166.948
208+700	166.489	166.633	166.489	166.489	166.633
208+725	166.130	166.318	166.130	166.130	166.318
208+750	165.764	166.007	165.764	165.764	166.007
208+775	165.371	165.744	165.371	165.371	165.744
208+800	165.114	165.539	165.114	165.114	165.539
208+825	164.936	165.391	164.936	164.936	165.391
208+850	164.818	165.300	164.818	164.818	165.300
208+875	164.728	165.267	164.728	164.728	165.267
208+900	164.553	165.287	164.553	164.553	165.287
208+925	164.468	165.316	164.468	164.468	165.316
208+950	164.482	165.346	164.482	164.482	165.346
208+975	164.507	165.375	164.507	164.507	165.375
209+000	164.516	165.405	164.516	164.516	165.405
209+025	164.533	165.434	164.533	164.533	165.434
209+050	164.501	165.464	164.501	164.501	165.464
209+075	164.506	165.493	164.506	164.506	165.493
209+100	164.481	165.523	164.481	164.481	165.523
209+125	164.479	165.552	164.479	164.479	165.552
209+150	164.488	165.582	164.488	164.488	165.582
209+175	164.529	165.612	164.529	164.529	165.612

RT = 209+178
= 0°
L = 01
= 2.0
= 1.5

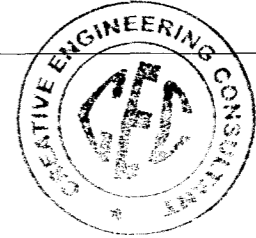
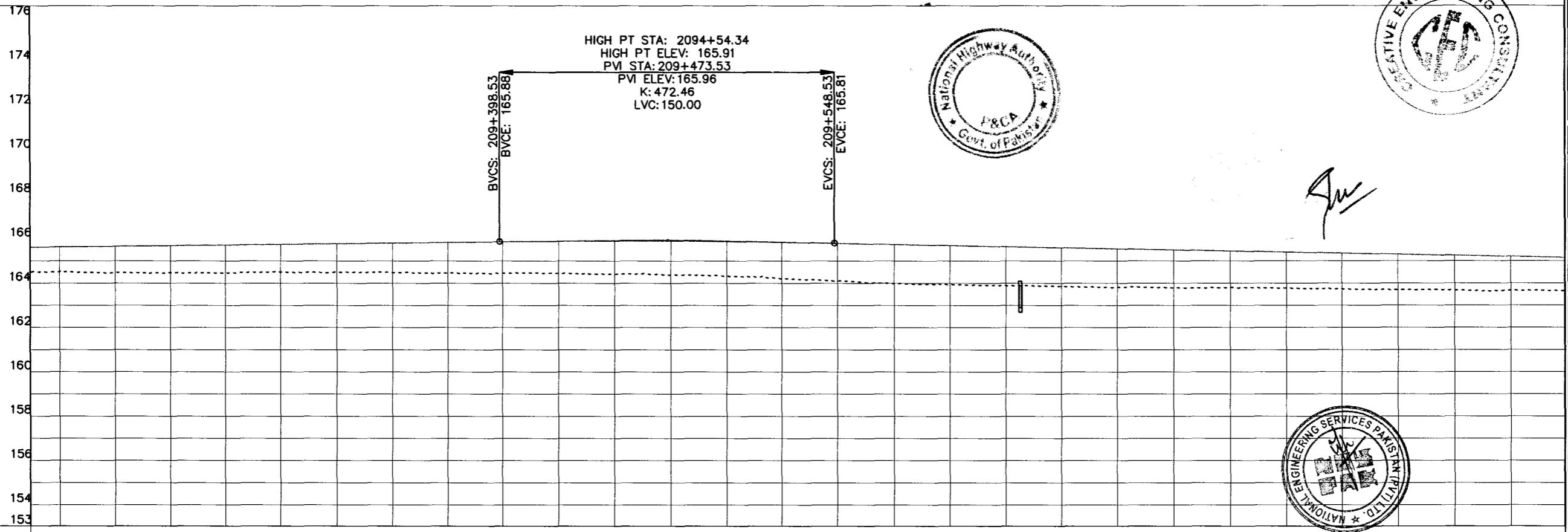
KOT MORE

BOX CULVERT
STATION = 209+630
SKEW =
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

CONTINUE - 2
AT STATION - 209+874.00
NEXT SHEET NUMBER: 3



MATCH LINE - 1
AT STATION - 209+187.00
PREVIOUS SHEET NUMBER - 1



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
209+187.00 - 209+874.00

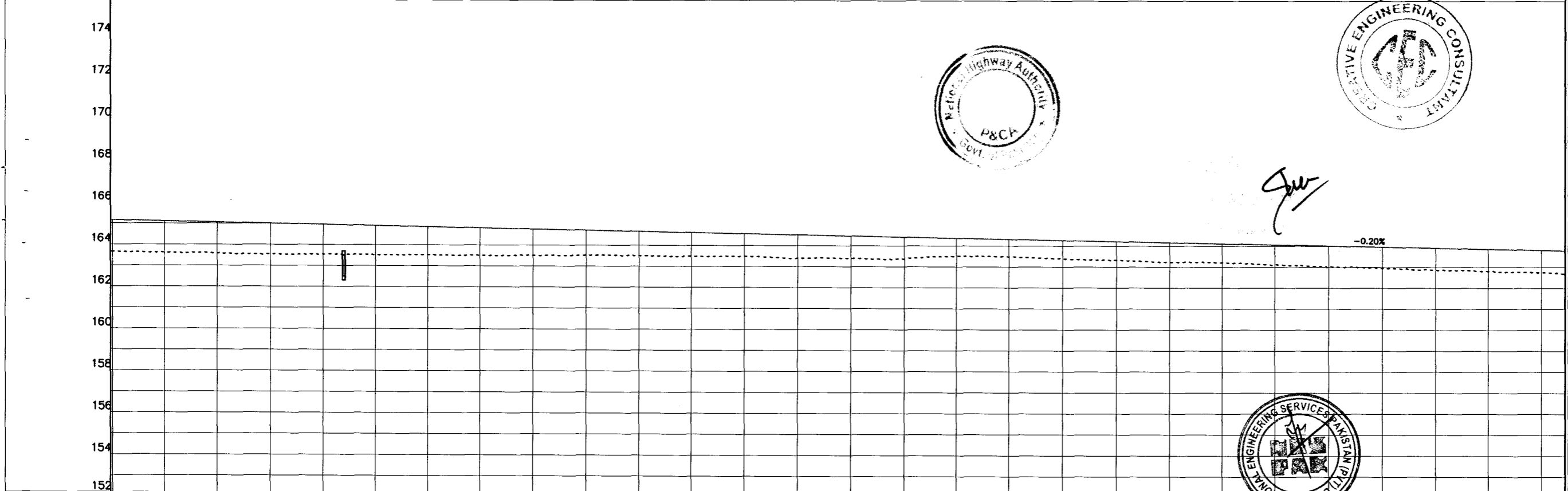
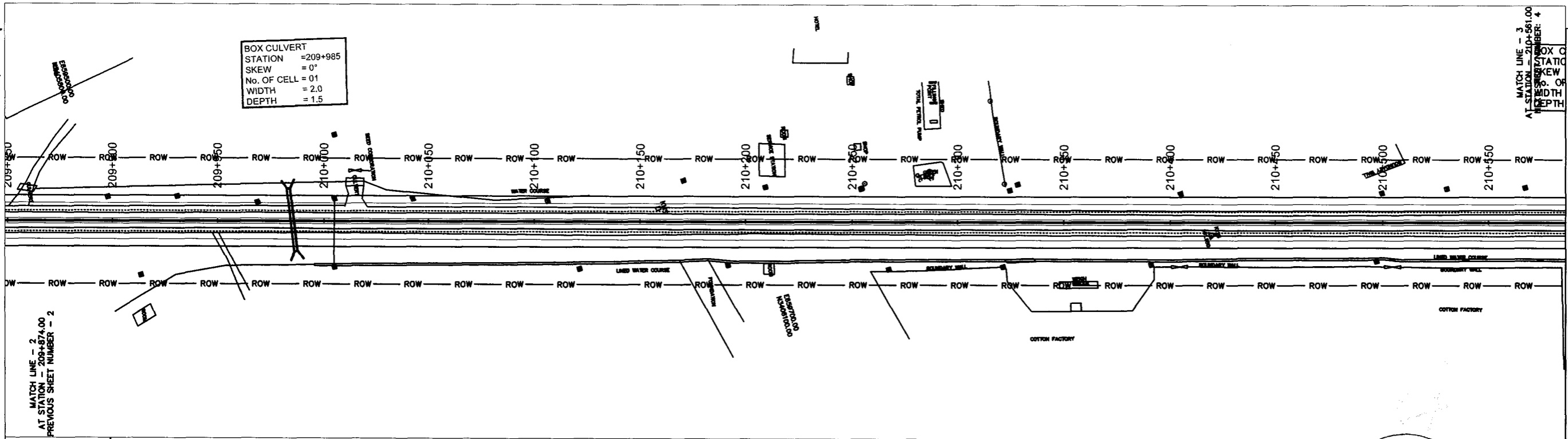
DESIGN BY: AS	SHEET NO: 134 of 170
DRAWN BY: SA	SCALE: H = 1:2000 V = 1:100
CHECKED BY: AS	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/023

HCD	L=1636.37m																											
VCD	[Profile Curve]																											
P.G.L	209+187	209+200	209+225	209+250	209+275	209+300	209+325	209+350	209+375	209+400	209+425	209+450	209+475	209+500	209+525	209+550	209+575	209+600	209+625	209+650	209+675	209+700	209+725	209+750	209+775	209+800	209+825	209+850
N.S.L	164.500	164.511	164.480	164.472	164.464	164.511	164.483	164.481	164.438	164.450	164.452	164.419	164.368	164.324	164.214	164.102	163.987	163.939	163.892	163.853	163.805	163.782	163.800	163.773	163.736	163.696	163.683	163.659
CH	165.626	165.641	165.671	165.700	165.730	165.759	165.789	165.818	165.848	165.877	165.899	165.908	165.904	165.886	165.856	165.812	165.762	165.712	165.662	165.612	165.563	165.513	165.463	165.413	165.363	165.313	165.263	165.214

BOX CULVERT
 STATION =209+985
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

MATCH LINE - 3
 AT STATION - 210+561.00
 MATCH LINE - 4
 AT STATION - 210+561.00



Station	CH	N.S.L	P.G.L
209+875	163.659	163.659	165.164
209+900	163.616	163.616	165.114
209+925	163.580	163.580	165.064
209+950	163.545	163.545	165.014
209+975	163.535	163.535	164.964
210+000	163.531	163.531	164.915
210+025	163.516	163.516	164.865
210+050	163.496	163.496	164.815
210+075	163.501	163.501	164.765
210+100	163.522	163.522	164.715
210+125	163.503	163.503	164.665
210+150	163.475	163.475	164.616
210+175	163.488	163.488	164.566
210+200	163.397	163.397	164.516
210+225	163.387	163.387	164.466
210+250	163.369	163.369	164.416
210+275	163.511	163.511	164.366
210+300	163.478	163.478	164.317
210+325	163.386	163.386	164.267
210+350	163.323	163.323	164.217
210+375	163.232	163.232	164.167
210+400	163.214	163.214	164.117
210+425	163.115	163.115	164.067
210+450	163.024	163.024	164.017
210+475	162.943	162.943	163.968
210+500	162.862	162.862	163.918
210+525	162.801	162.801	163.868
210+550	162.734	162.734	163.818

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

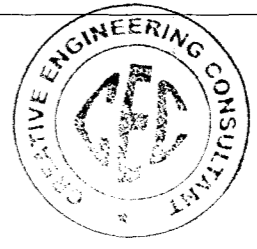
CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 209+874.00 - 210+561.00

DESIGN BY:	SHEET NO:
A.S	135 of 170
DRAWN BY:	SCALE: H = 1:2000 V = 1:100
S.A	
CHECKED BY:	DATE: APRIL, 2024
A.S	
APPROVED BY:	REVISION:

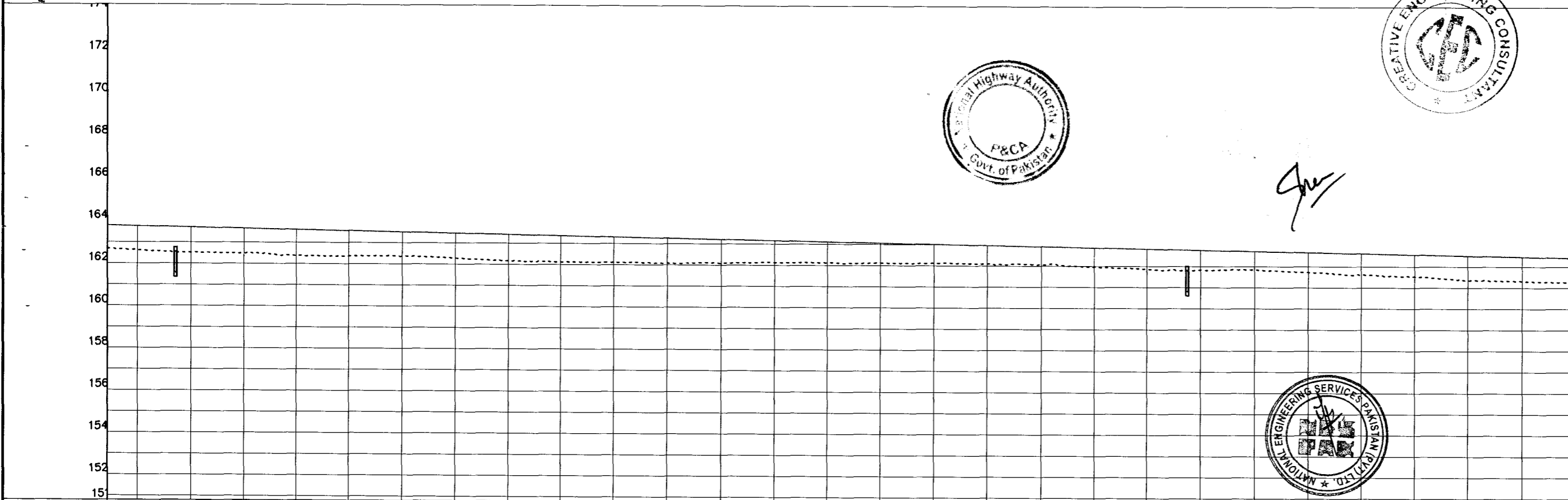
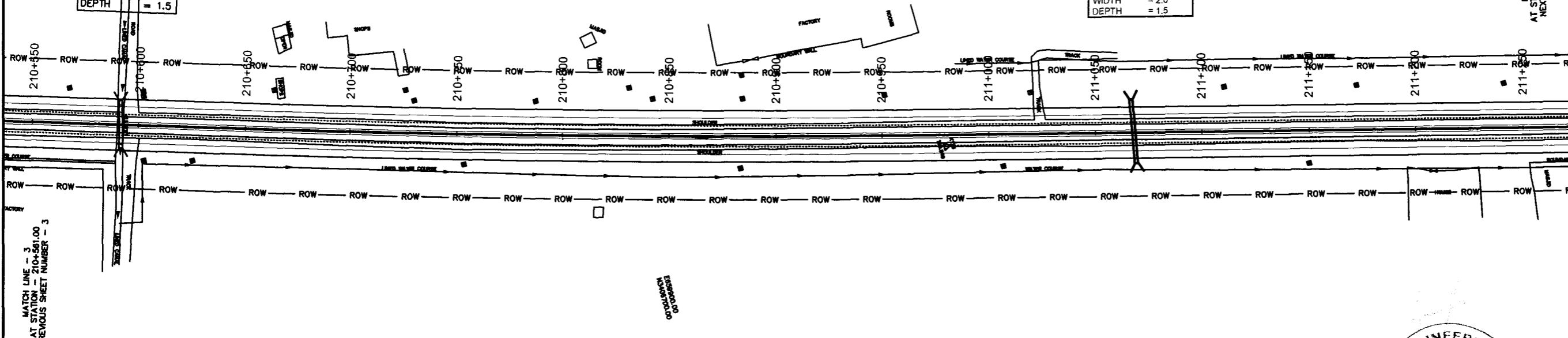
CAD FILE NAME:
 CEC/CAREC/T/III/023



BOX CULVERT
STATION = 210+603
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.5
DEPTH = 1.5

BOX CULVERT
STATION = 211+068
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

MATCH LINE - 4
AT STATION - 211+248.0
NEXT SHEET NUMBER: 5



Station	CH	N.S.L	P.G.L	VCD	HCD
210+561	162.662	163.796			
210+575	162.624	163.768			
210+600	162.510	163.718			
210+625	162.479	163.669			
210+650	162.372	163.619			
210+675	162.362	163.569			
210+700	162.356	163.519			
210+725	162.281	163.469			
210+750	162.166	163.419			
210+775	162.113	163.370			
210+800	162.115	163.320			
210+825	162.078	163.270			
210+850	162.081	163.220			
210+875	162.121	163.170			
210+900	162.124	163.120			
210+925	162.116	163.071			
210+950	162.121	163.021			
210+975	162.092	162.971			
211+000	162.057	162.921			
211+025	161.962	162.871			
211+050	161.870	162.821			
211+075	161.842	162.772			
211+100	161.832	162.722			
211+125	161.723	162.672			
211+150	161.617	162.622			
211+175	161.523	162.572			
211+200	161.361	162.522			
211+225	161.309	162.472			

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

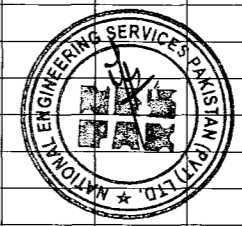
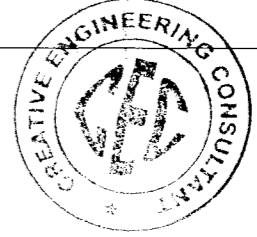
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

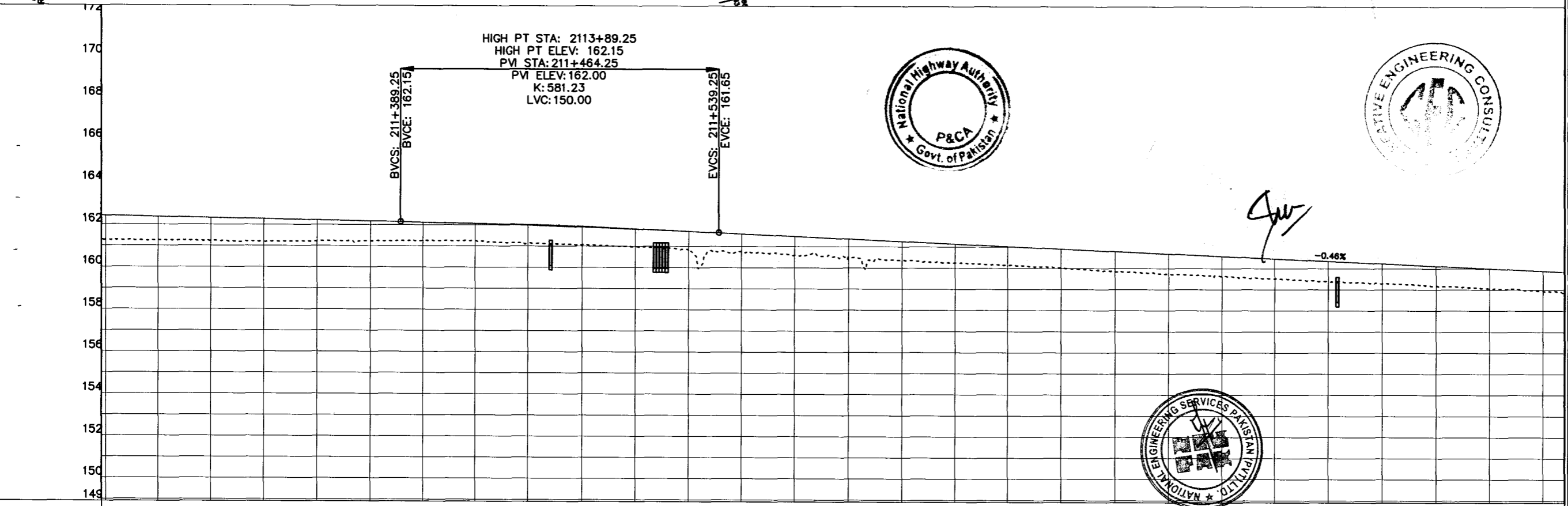
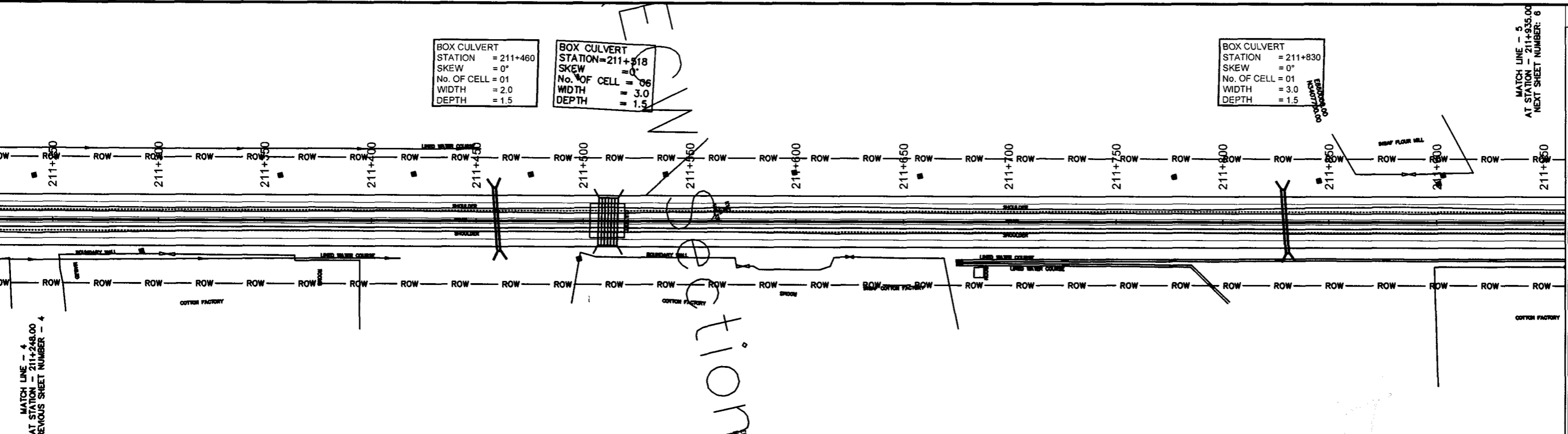
- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
210+561.00 - 211+248.00

DESIGN BY: A.S	SHEET NO: 136 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/023





Station	CH	N.S.L	P.G.L
211+250	161.274	162.423	
211+275	161.261	162.373	
211+300	161.222	162.323	
211+325	161.188	162.273	
211+350	161.209	162.223	
211+375	161.230	162.173	
211+400	161.250	162.123	
211+425	161.239	162.063	
211+450	161.144	161.992	
211+475	161.088	161.911	
211+500	160.967	161.819	
211+525	160.744	161.716	
211+550	160.767	161.603	
211+575	160.595	161.489	
211+600	160.509	161.375	
211+625	160.360	161.260	
211+650	160.251	161.146	
211+675	160.145	161.031	
211+700	160.040	160.917	
211+725	159.836	160.803	
211+750	159.727	160.688	
211+775	159.627	160.574	
211+800	159.511	160.460	
211+825	159.355	160.345	
211+850	159.296	160.231	
211+875	159.170	160.117	
211+900	159.060	160.002	
211+925	158.933	159.888	
211+950	158.824	159.774	

NOTES
1. ALL DIMENSIONS AND ARE IN METERS

LEGEND

TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

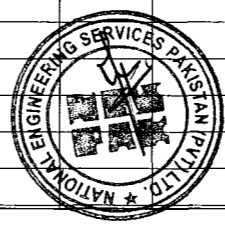
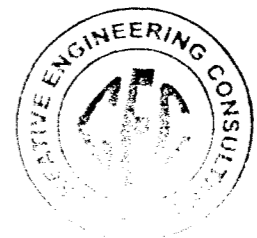
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
211+248.00 - 211+935.00

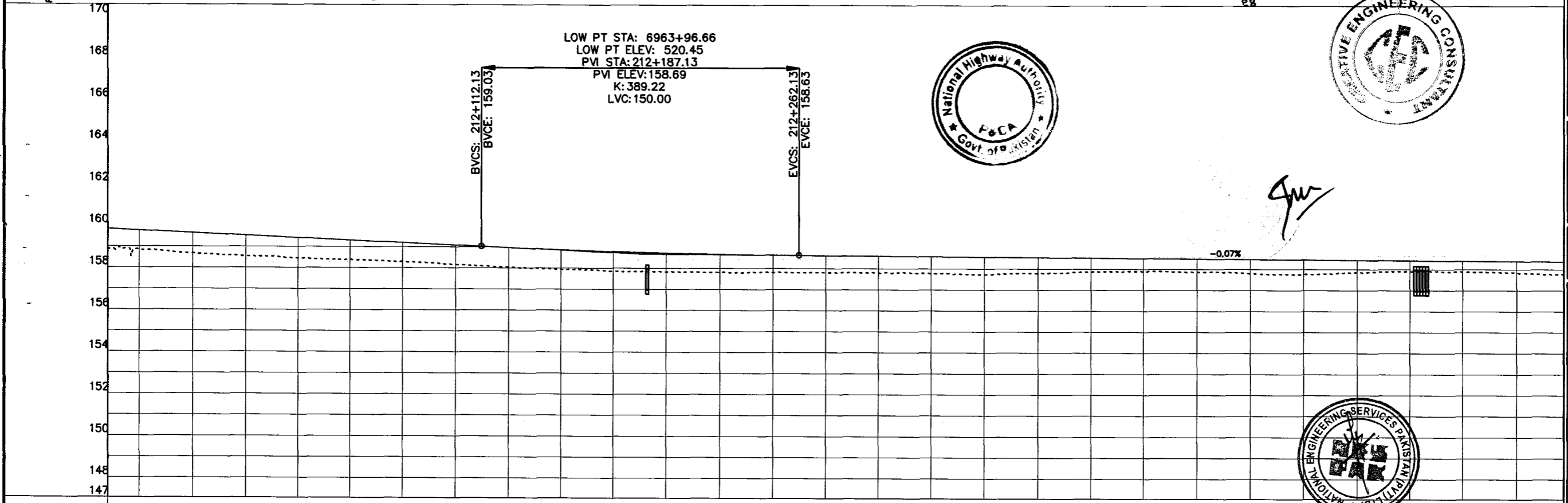
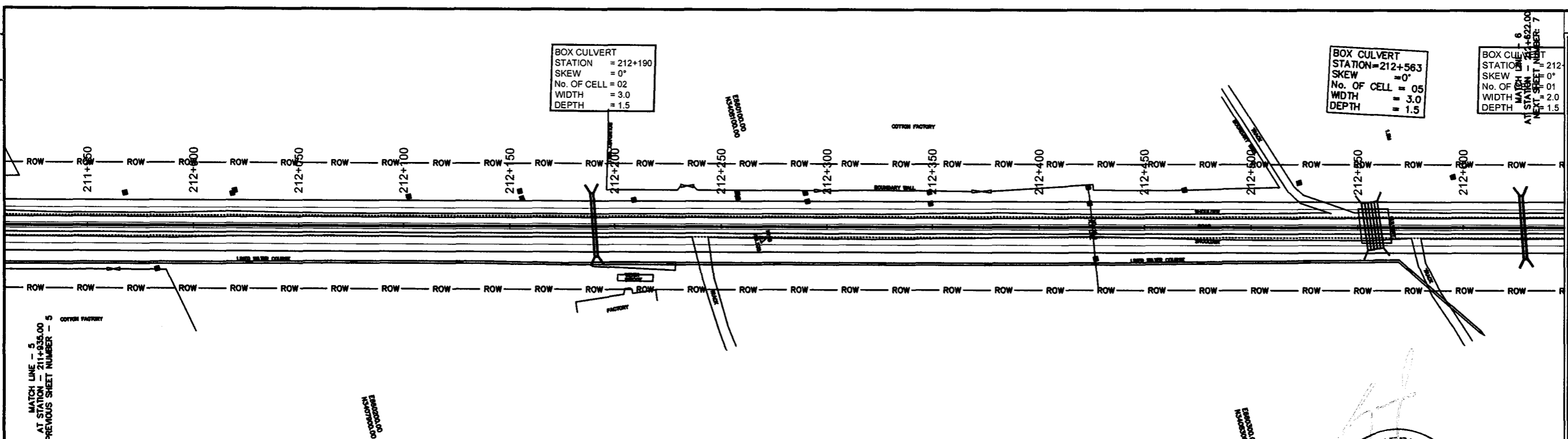
DESIGN BY: A.S	SHEET NO. 137 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/023



uoi7

Signature



Station	P.G.L.	N.S.L.	CH
211+935	159.842	158.671	159.842
211+950	159.774	158.853	159.774
211+975	159.659	158.678	159.659
212+000	159.545	158.546	159.545
212+025	159.430	158.452	159.430
212+050	159.316	158.372	159.316
212+075	159.202	158.290	159.202
212+100	159.087	158.158	159.087
212+125	158.975	158.033	158.975
212+150	158.877	157.936	158.877
212+175	158.795	157.848	158.795
212+200	158.729	157.822	158.729
212+225	158.679	157.800	158.679
212+250	158.645	157.807	158.645
212+275	158.626	157.809	158.626
212+300	158.608	157.799	158.608
212+325	158.590	157.777	158.590
212+350	158.572	157.741	158.572
212+375	158.554	157.789	158.554
212+400	158.536	157.849	158.536
212+425	158.518	157.899	158.518
212+450	158.499	157.876	158.499
212+475	158.481	157.801	158.481
212+500	158.463	157.760	158.463
212+525	158.445	157.847	158.445
212+550	158.427	157.905	158.427
212+575	158.409	157.899	158.409
212+600	158.391	157.842	158.391

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
------	----------------	------

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

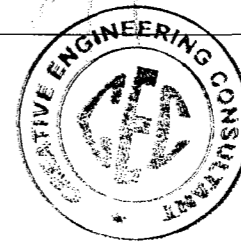
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
211+935.00 - 212+622.00

DESIGN BY:	SHEET NO:
A.S	138 of 170
DRAWN BY:	SCALE: H = 1:2000 V = 1:100
S.A	
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/023



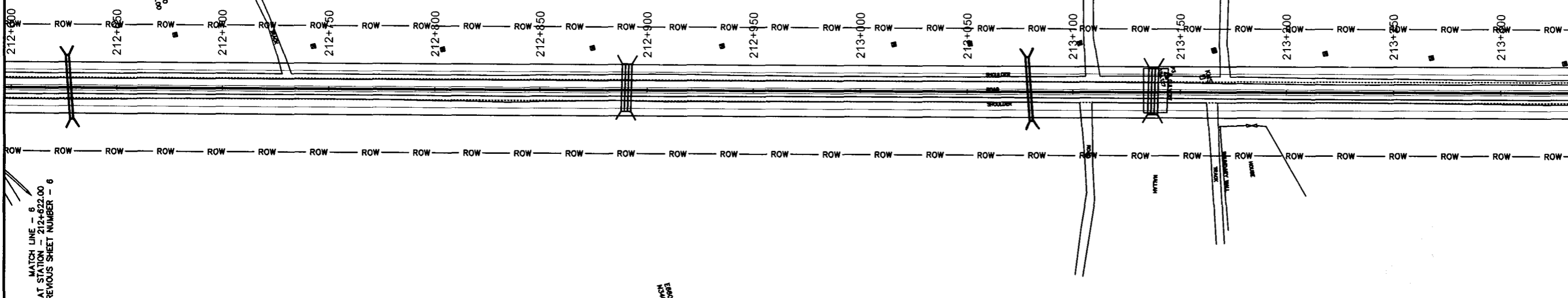
BOX CULVERT
STATION = 212+628
SKEW = 0°
No. OF CELL = 01
WIDTH = 2.0
DEPTH = 1.5

BOX CULVERT
STATION = 212+891
SKEW = 0°
No. OF CELL = 03
WIDTH = 3.0
DEPTH = 2.0

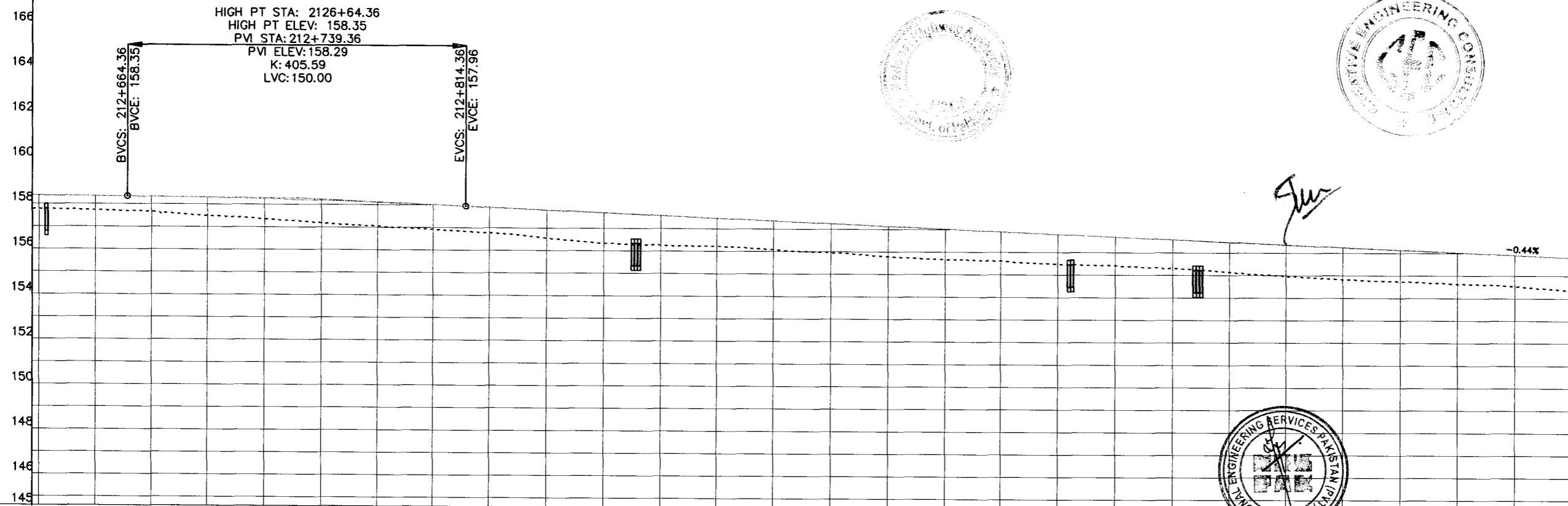
BOX CULVERT
STATION = 213+080
SKEW = 0°
No. OF CELL = 02
WIDTH = 3.0
DEPTH = 1.5

BOX CULVERT
STATION = 213+145
SKEW = 0°
No. OF CELL = 03
WIDTH = 3.5
DEPTH = 2.0

MATCH LINE - 7
AT STATION - 213+309.00
NEXT SHEET NUMBER: 8



MATCH LINE - 6
AT STATION - 212+622.00
PREVIOUS SHEET NUMBER - 6



L=2759.57m

Grade (-0.44%)
Tangent Length (927.65)
Chainage (213+742.01)
Elevation (153.86)

Station	HCD	VCD	P.G.L.	N.S.L.	CH
212+625			157.780	157.780	158.375
212+650			157.722	157.722	158.355
212+675			157.664	157.664	158.336
212+700			157.483	157.483	158.304
212+725			157.346	157.346	158.256
212+750			157.182	157.182	158.193
212+775			157.057	157.057	158.114
212+800			156.916	156.916	158.021
212+825			156.760	156.760	157.913
212+850			156.550	156.550	157.802
212+875			156.339	156.339	157.692
212+900			156.255	156.255	157.581
212+925			156.238	156.238	157.471
212+950			156.082	156.082	157.360
212+975			155.956	155.956	157.250
213+000			155.791	155.791	157.139
213+025			155.673	155.673	157.029
213+050			155.621	155.621	156.918
213+075			155.495	155.495	156.808
213+100			155.415	155.415	156.697
213+125			155.313	155.313	156.587
213+150			155.145	155.145	156.477
213+175			154.976	154.976	156.366
213+200			154.822	154.822	156.256
213+225			154.737	154.737	156.145
213+250			154.632	154.632	156.035
213+275			154.533	154.533	155.924
213+300			154.354	154.354	155.814

NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV	REVISION/ISSUE	DATE
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PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4- LANE HIGHWAY
(208 Km)
PACKAGE-2
(Km 121+500 TO 233+200)

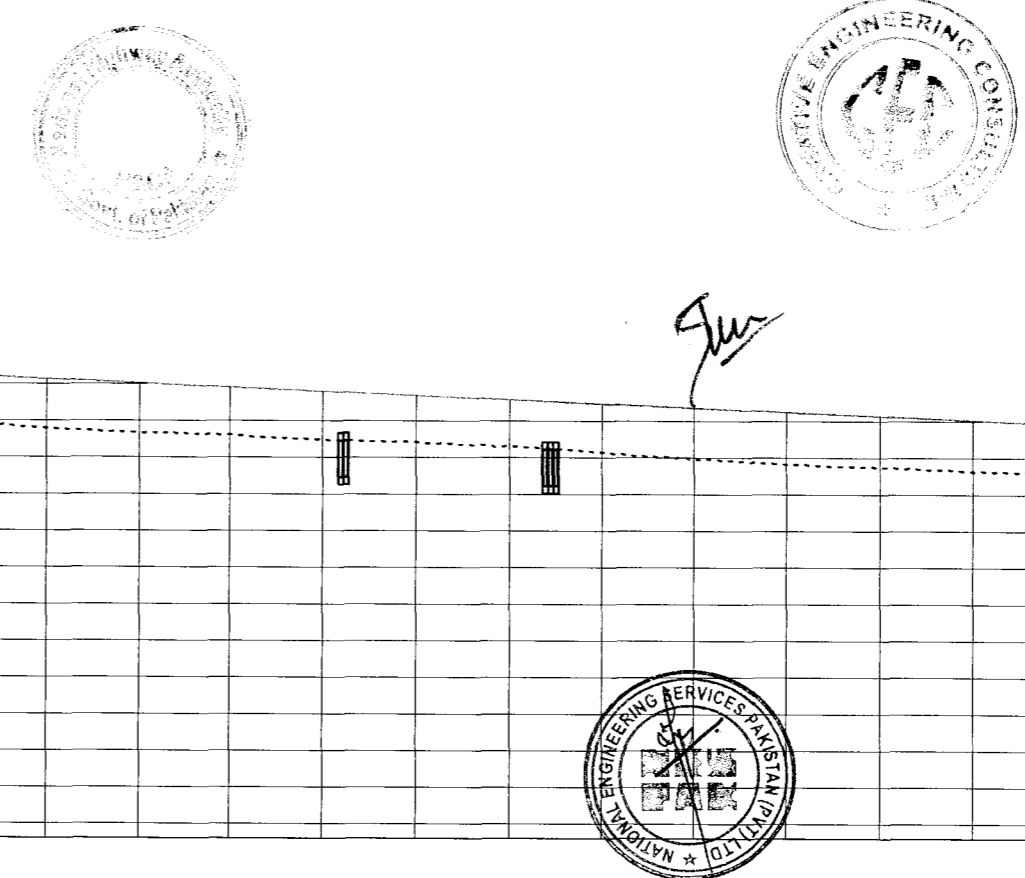
CLIENT:
NHA NATIONAL HIGHWAYS
AUTHORITY (NHA)

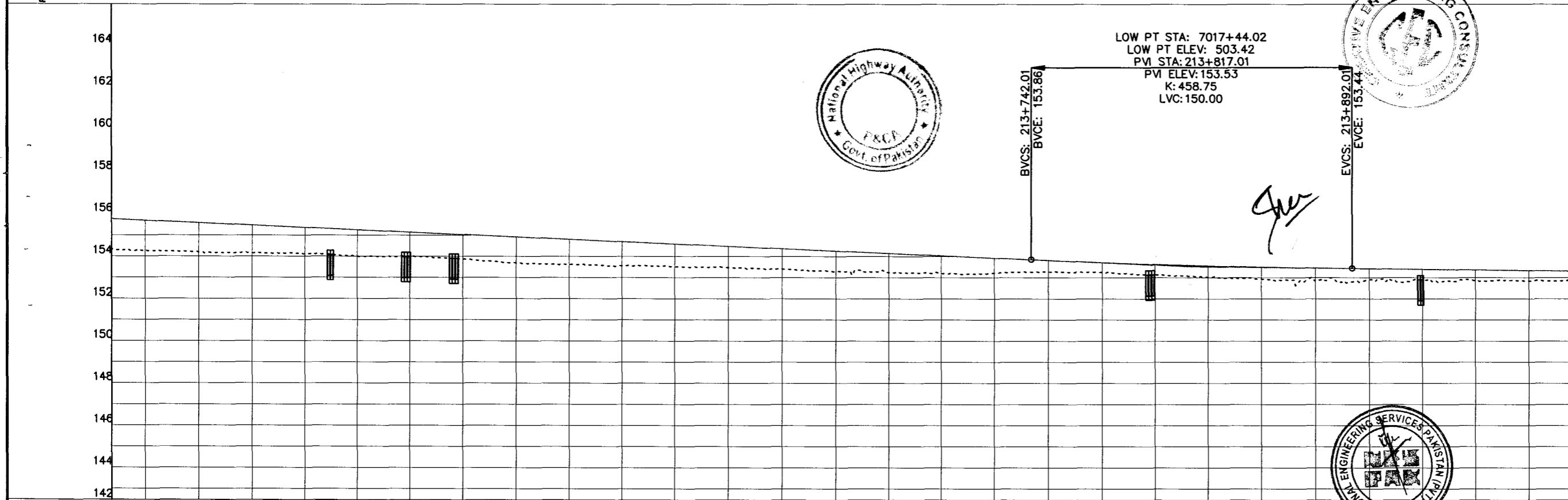
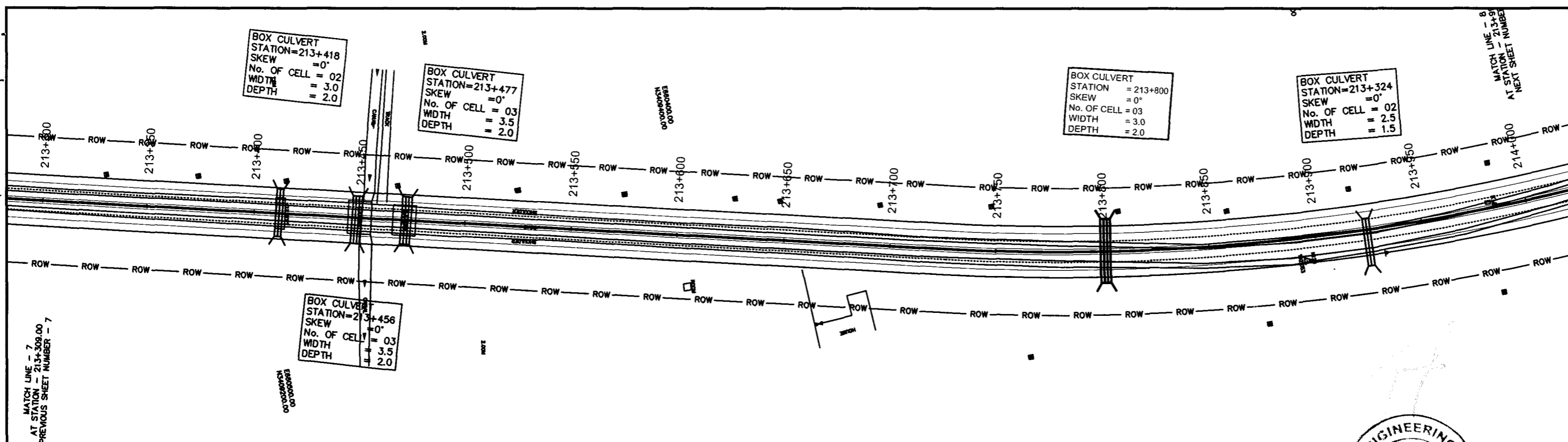
- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
212+622.00 - 213+309.00

DESIGN BY: A.S	SHEET NO: 139 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/023





Station	HCD	VCD	P.G.L	N.S.L	CH
213+309	154.322	155.774	155.774	154.322	
213+325	154.257	155.703	155.703	154.257	
213+350	154.194	155.593	155.593	154.194	
213+375	154.154	155.482	155.482	154.154	
213+400	154.119	155.372	155.372	154.119	
213+425	154.005	155.261	155.261	154.005	
213+450	154.008	155.151	155.151	154.008	
213+475	153.876	155.040	155.040	153.876	
213+500	153.686	154.930	154.930	153.686	
213+525	153.605	154.819	154.819	153.605	
213+550	153.555	154.709	154.709	153.555	
213+575	153.525	154.599	154.599	153.525	
213+600	153.479	154.488	154.488	153.479	
213+625	153.405	154.378	154.378	153.405	
213+650	153.298	154.267	154.267	153.298	
213+675	153.238	154.157	154.157	153.238	
213+700	153.196	154.046	154.046	153.196	
213+725	153.226	153.936	153.936	153.226	
213+750	153.275	153.826	153.826	153.275	
213+775	153.257	153.727	153.727	153.257	
213+800	153.132	153.641	153.641	153.132	
213+825	153.031	153.569	153.569	153.031	
213+850	152.935	153.510	153.510	152.935	
213+875	152.889	153.466	153.466	152.889	
213+900	152.914	153.434	153.434	152.914	
213+925	152.890	153.405	153.405	152.890	
213+950	152.874	153.376	153.376	152.874	
213+975	152.841	153.348	153.348	152.841	

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

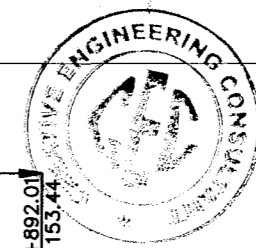
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

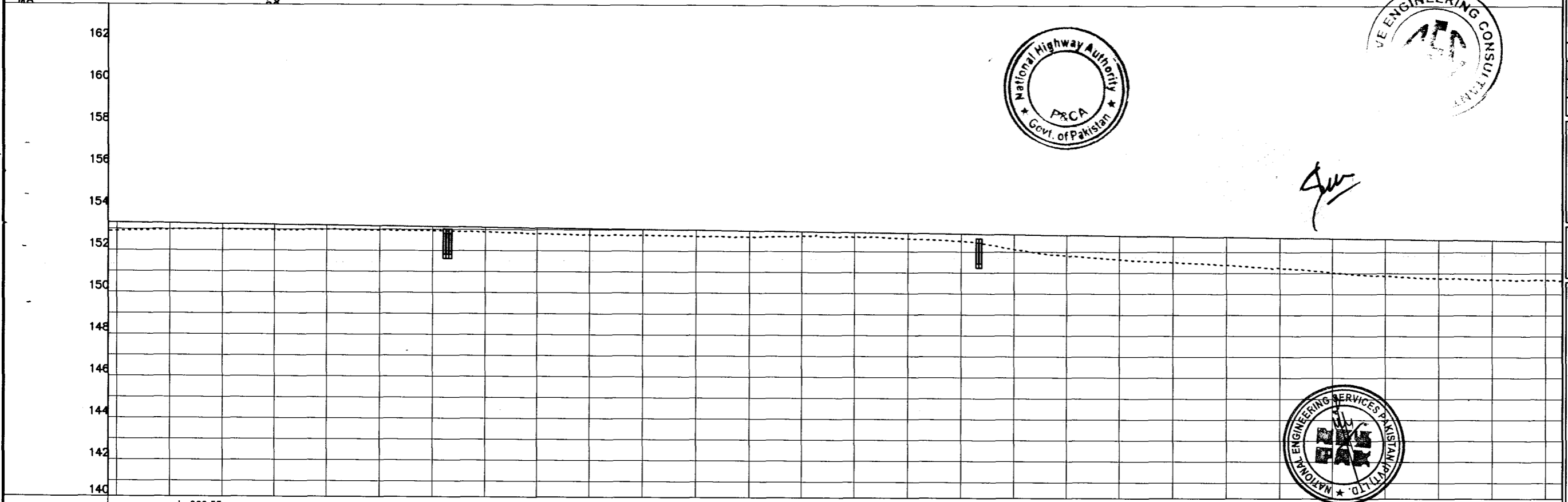
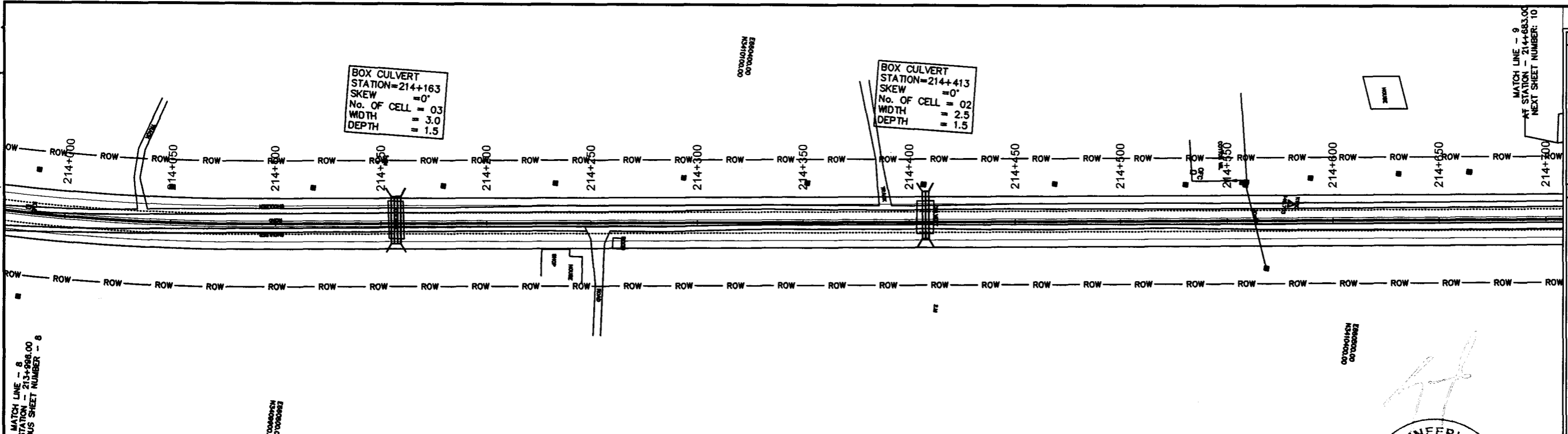
CONSULTANTS:

DRAWING TITLE:
PLAN & PROFILE
213+309.00 - 213+996.00

DESIGN BY:	SHEET NO:
AS	140 of 170
DRAWN BY:	SCALE:
SA	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
AS	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/023





Station	CH	N.S.L	P.G.L
214+000	152.992	152.992	153.324
214+025	152.980	152.980	153.290
214+050	153.009	153.009	153.261
214+075	152.967	152.967	153.233
214+100	152.999	152.999	153.204
214+125	152.960	152.960	153.175
214+150	152.938	152.938	153.147
214+175	152.881	152.881	153.118
214+200	152.813	152.813	153.089
214+225	152.758	152.758	153.060
214+250	152.746	152.746	153.032
214+275	152.693	152.693	153.003
214+300	152.677	152.677	152.974
214+325	152.728	152.728	152.945
214+350	152.695	152.695	152.917
214+375	152.612	152.612	152.888
214+400	152.502	152.502	152.859
214+425	152.120	152.120	152.831
214+450	151.836	151.836	152.802
214+475	151.629	151.629	152.773
214+500	151.501	151.501	152.744
214+525	151.380	151.380	152.716
214+550	151.234	151.234	152.687
214+575	151.019	151.019	152.658
214+600	150.868	150.868	152.630
214+625	150.753	150.753	152.601
214+650	150.695	150.695	152.572
214+675	150.677	150.677	152.543
214+700	150.659	150.659	152.514

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
------	----------------	------

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

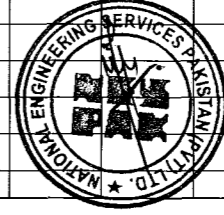
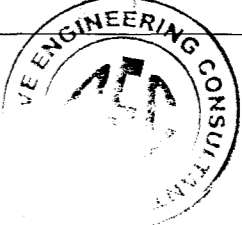
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

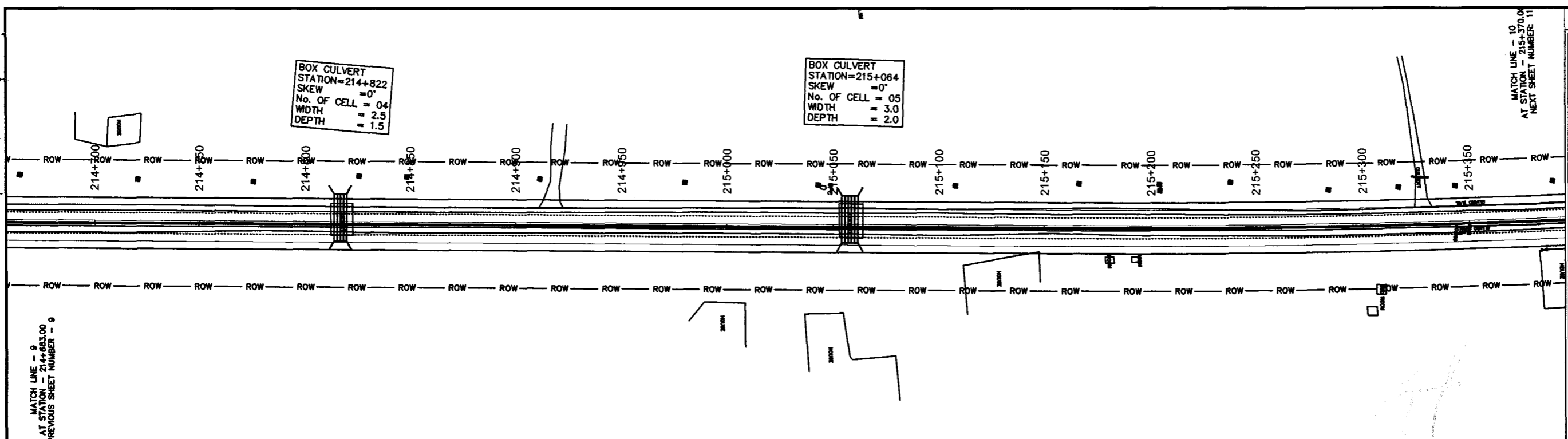
CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
213+996.00 - 214+683.00

DESIGN BY: A.S	SHEET NO: 141 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/023





BOX CULVERT
 STATION=214+822
 SKEW = 0°
 No. OF CELL = 04
 WIDTH = 2.5
 DEPTH = 1.5

BOX CULVERT
 STATION=215+064
 SKEW = 0°
 No. OF CELL = 05
 WIDTH = 3.0
 DEPTH = 2.0

MATCH LINE - 10
 AT STATION - 215+370.00
 NEXT SHEET NUMBER: 11

MATCH LINE - 9
 AT STATION 214+683.00
 PREVIOUS SHEET NUMBER - 9

NOTES

1- ALL DIMENSIONS AND ARE IN METERS.

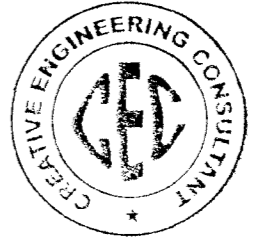
LEGEND

REV.	REVISION/ISSUE	DATE

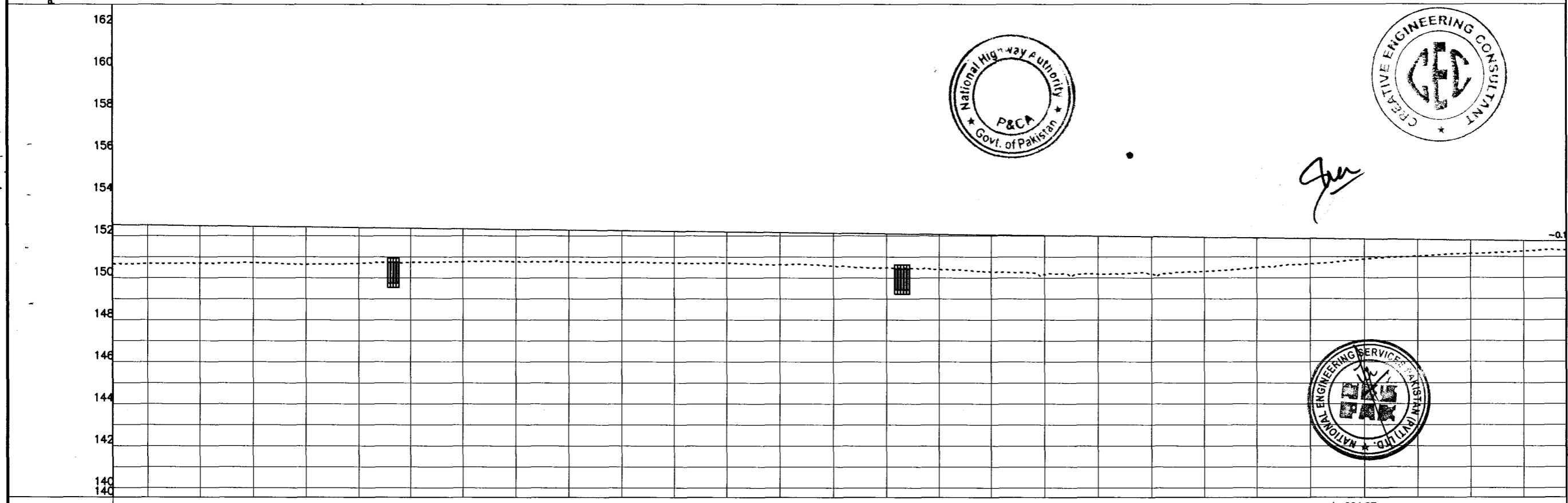
PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4- LANE HIGHWAY
 (208 Km)
 PACKAGE-2
 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC



Jur



L=1087.60m

L=224.27m
 R=5000.00m

Station	CH	N.S.L	P.G.L	VCD	HCD
214+683	150.656	152.534			
214+700	150.674	152.515			
214+725	150.705	152.486			
214+750	150.733	152.457			
214+775	150.642	152.428			
214+800	150.696	152.400			
214+825	150.730	152.371			
214+850	150.768	152.342			
214+875	150.770	152.314			
214+900	150.763	152.285			
214+925	150.726	152.256			
214+950	150.712	152.227			
214+975	150.698	152.199			
215+000	150.638	152.170			
215+025	150.560	152.141			
215+050	150.481	152.112			
215+075	150.407	152.084			
215+100	150.289	152.055			
215+125	150.164	152.026			
215+150	150.185	151.998			
215+175	150.172	151.969			
215+200	150.303	151.940			
215+225	150.481	151.911			
215+250	150.657	151.883			
215+275	150.889	151.854			
215+300	151.041	151.825			
215+325	151.156	151.796			
215+350	151.256	151.768			

DRAWING TITLE:
 PLAN & PROFILE
 214+683.00 - 215+370.00

DESIGN BY: A.S	SHEET NO: 142 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/T/III/023

BOX CULVERT
STATION=215+459
SKEW = 0°
No. OF CELL = 04
WIDTH = 3.0
DEPTH = 2.0

BOX CULVERT
STATION=215+539
SKEW = 0°
No. OF CELL = 06
WIDTH = 3.0
DEPTH = 2.0

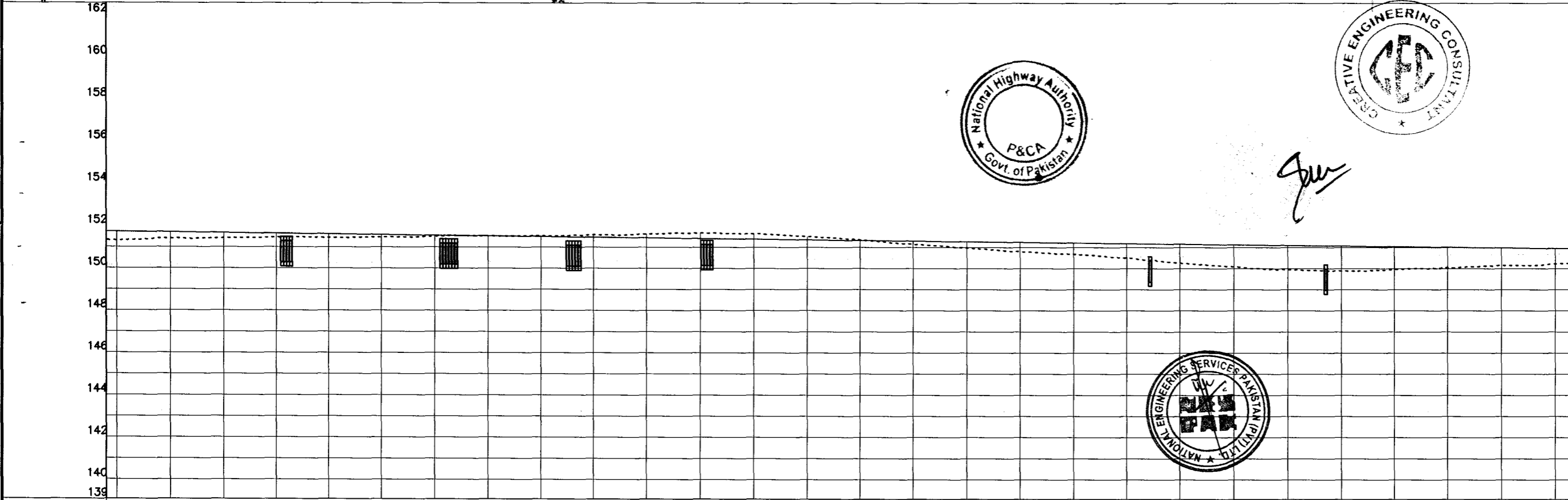
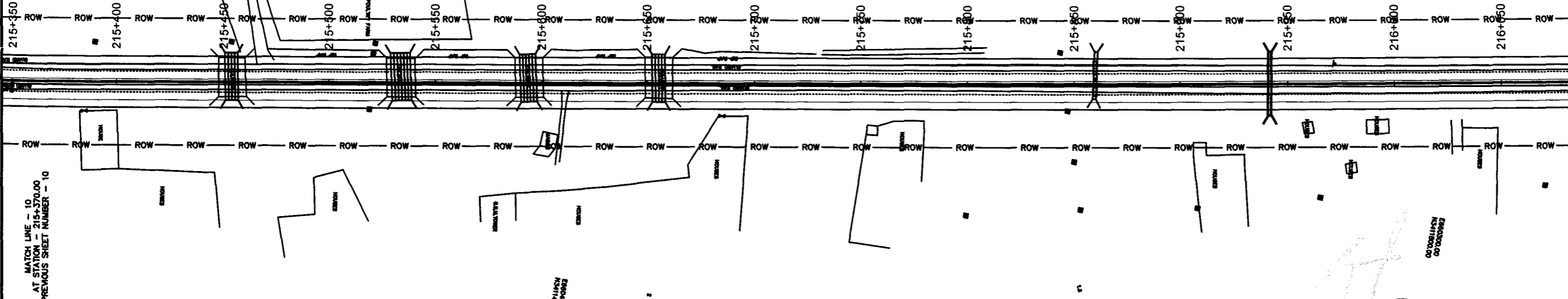
BOX CULVERT
STATION=215+600
SKEW = 0°
No. OF CELL = 05
WIDTH = 3.0
DEPTH = 2.0

BOX CULVERT
STATION=215+661
SKEW = 0°
No. OF CELL = 04
WIDTH = 3.0
DEPTH = 2.0

BOX CULVERT
STATION=215+865
SKEW = 0°
No. OF CELL = 01
WIDTH = 1.5
DEPTH = 1.5

BOX CULVERT
STATION = 215+942
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.0
DEPTH = 1.5

MATCH LINE - 1
AT STATION - 216+000
NEXT SHEET NUMBER



HCD	L=224.27m R=5000.00m		L=412.80m														L=419.59m R=25000.00m											
VCD																												
P.G.L	151.745 151.739	151.710	151.682	151.653	151.624	151.595	151.567	151.538	151.509	151.481	151.452	151.423	151.394	151.366	151.337	151.308	151.279	151.251	151.222	151.193	151.165	151.136	151.107	151.078	151.050	151.021	150.992	150.963
N.S.L	151.316 151.300	151.402	151.421	151.450	151.437	151.467	151.502	151.521	151.529	151.585	151.623	151.666	151.639	151.502	151.351	151.140	150.971	150.801	150.674	150.500	150.269	150.075	149.945	149.897	149.949	150.044	150.160	150.222
CH	215+375 215+375	215+400	215+425	215+450	215+475	215+500	215+525	215+550	215+575	215+600	215+625	215+650	215+675	215+700	215+725	215+750	215+775	215+800	215+825	215+850	215+875	215+900	215+925	215+950	215+975	216+000	216+025	216+050

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

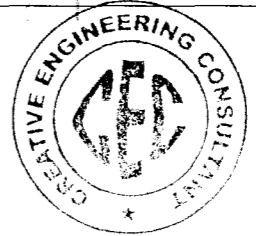
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

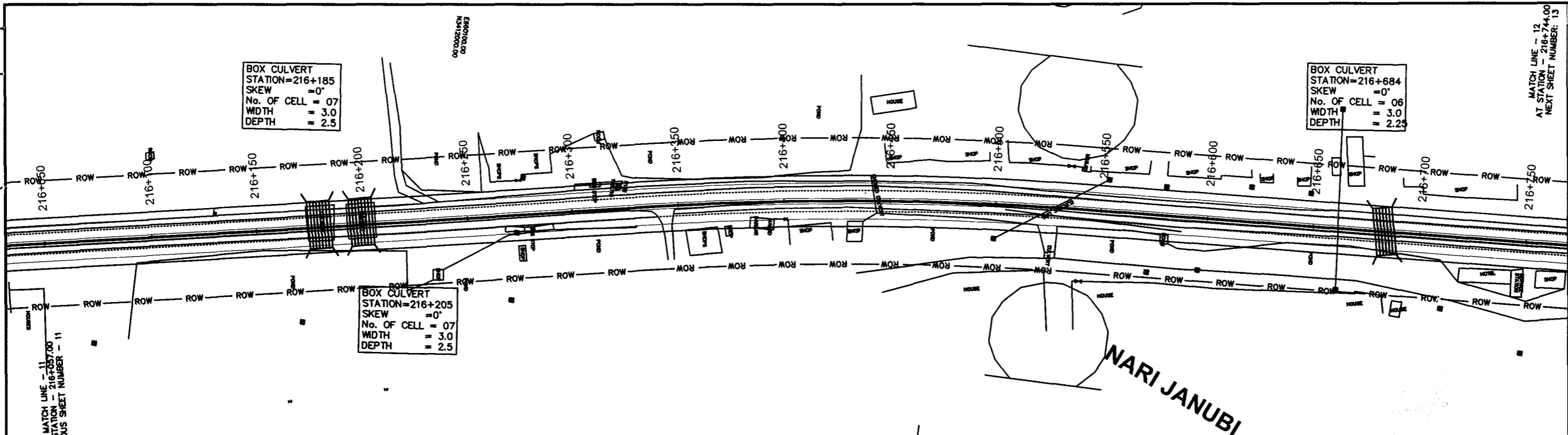
CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
215+370.00 - 216+057.00

DESIGN BY: A.S	SHEET NO: 143 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/023





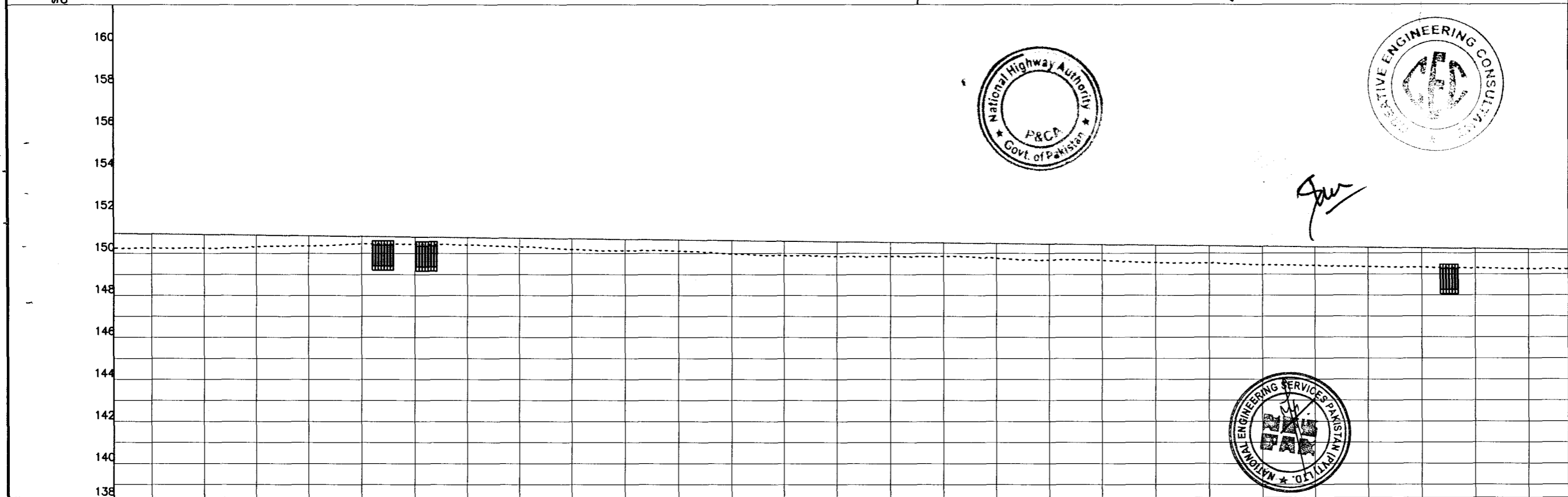
BOX CULVERT
STATION=216+185
SKEW = 0°
No. OF CELL = 07
WIDTH = 3.0
DEPTH = 2.5

BOX CULVERT
STATION=216+205
SKEW = 0°
No. OF CELL = 07
WIDTH = 3.0
DEPTH = 2.5

BOX CULVERT
STATION=216+684
SKEW = 0°
No. OF CELL = 06
WIDTH = 3.0
DEPTH = 2.25

MATCH LINE - 12
AT STATION - 216+744.00
NEXT SHEET NUMBER: 13

MATCH LINE - 11
AT STATION - 216+057.00
THIS SHEET NUMBER - 11



CH	216+057	216+075	216+100	216+125	216+150	216+175	216+200	216+225	216+250	216+275	216+300	216+325	216+350	216+375	216+400	216+425	216+450	216+475	216+500	216+525	216+550	216+575	216+600	216+625	216+650	216+675	216+700	216+725
N.S.L	150.249	150.262	150.259	150.318	150.363	150.466	150.446	150.402	150.315	150.185	150.126	150.101	149.974	149.898	149.866	149.862	149.856	149.772	149.673	149.668	149.564	149.540	149.444	149.418	149.349	149.325	149.297	149.250
P.S.L	150.955	150.935	150.906	150.877	150.849	150.820	150.791	150.762	150.734	150.705	150.676	150.647	150.619	150.590	150.561	150.533	150.504	150.475	150.446	150.418	150.389	150.360	150.332	150.303	150.274	150.245	150.217	150.188

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

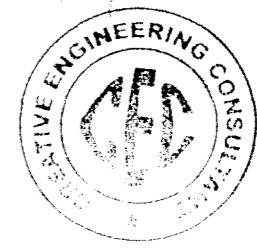
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

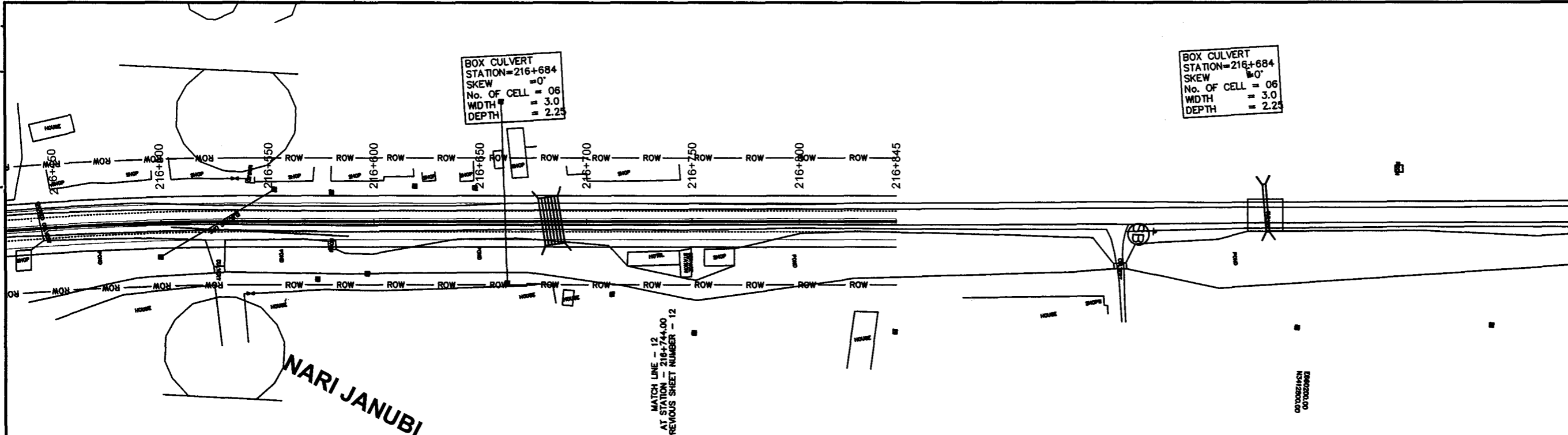
DRAWING TITLE:
PLAN & PROFILE
216+057.00 - 216+744.00

DESIGN BY: A.S	SHEET NO: 144 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/023



Jaw

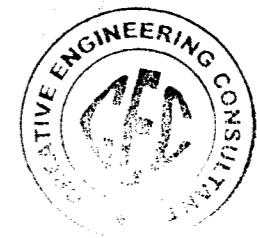
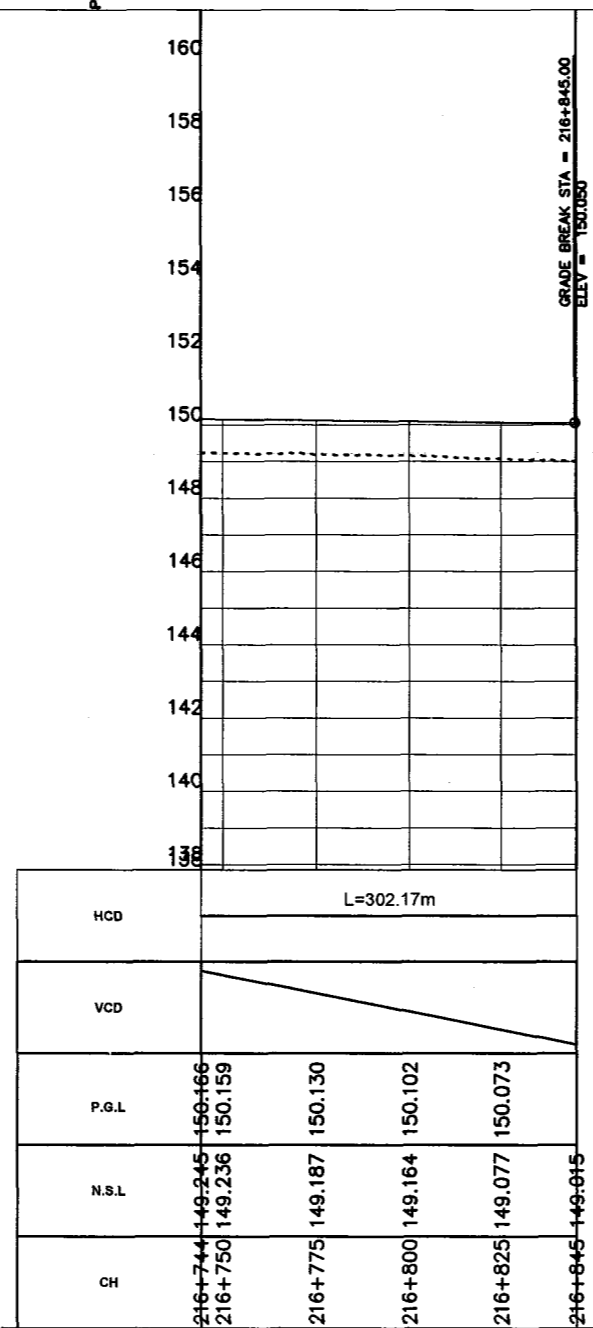


BOX CULVERT
 STATION=216+684
 SKEW = 0°
 No. OF CELL = 06
 WIDTH = 3.0
 DEPTH = 2.25

BOX CULVERT
 STATION=216+800
 SKEW = 0°
 No. OF CELL = 06
 WIDTH = 3.0
 DEPTH = 2.25

NARI JANUBI

MATCH LINE - 12
 AT STATION - 216+744.00
 PREVIOUS SHEET NUMBER - 12



NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

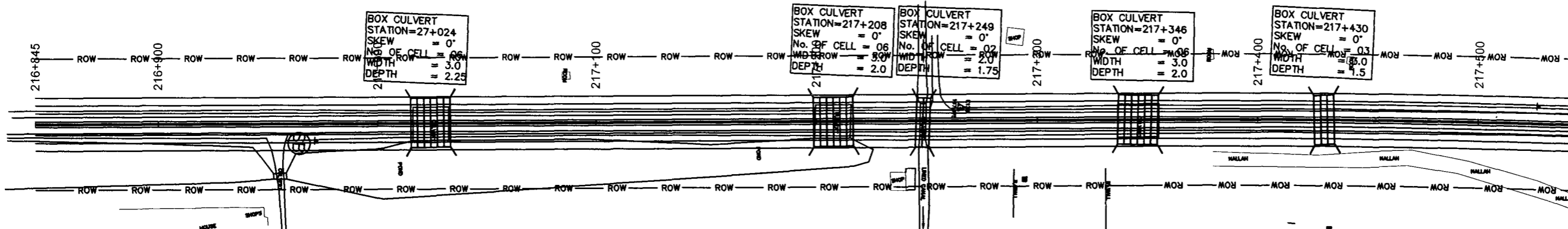
CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 216+744.00 - 216+845.43

DESIGN BY: A.S	SHEET NO: 145 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/TIII/023



MATCH LINE
AT STATION - 217
NEXT SHEET NUM

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4- LANE HIGHWAY
(208 Km)
PACKAGE-2
(Km 121+500 TO 233+200)

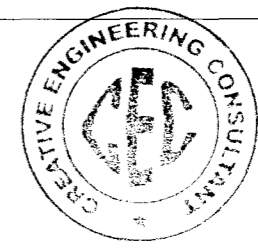
CLIENT:
NHA NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
216+845.00 - 217+522.42

DESIGN BY: A.S	SHEET NO: 146 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2023
APPROVED BY:	REVISION:

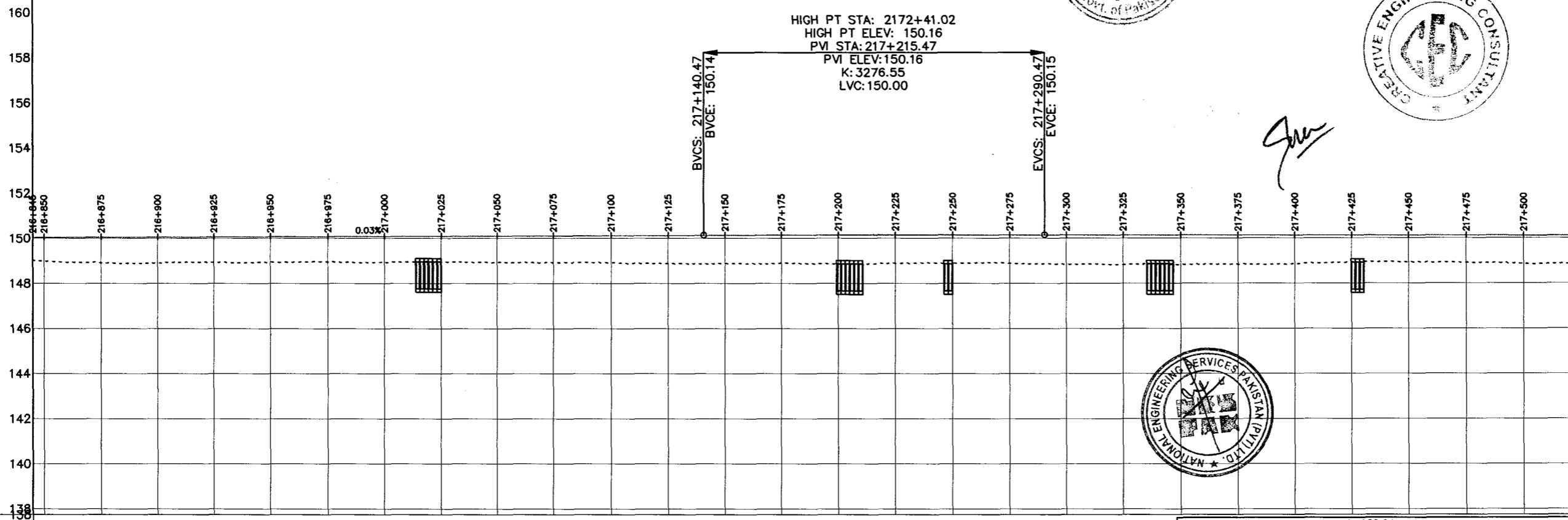
CAD FILE NAME:
CEC/CAREC/TIII/023



HIGH PT STA: 2172+41.02
HIGH PT ELEV: 150.16
PVI STA: 217+215.47
PVI ELEV: 150.16
K: 3276.55
LVC: 150.00

BVCS: 217+140.47
BVCE: 150.14

EVCS: 217+290.47
EVCE: 150.15

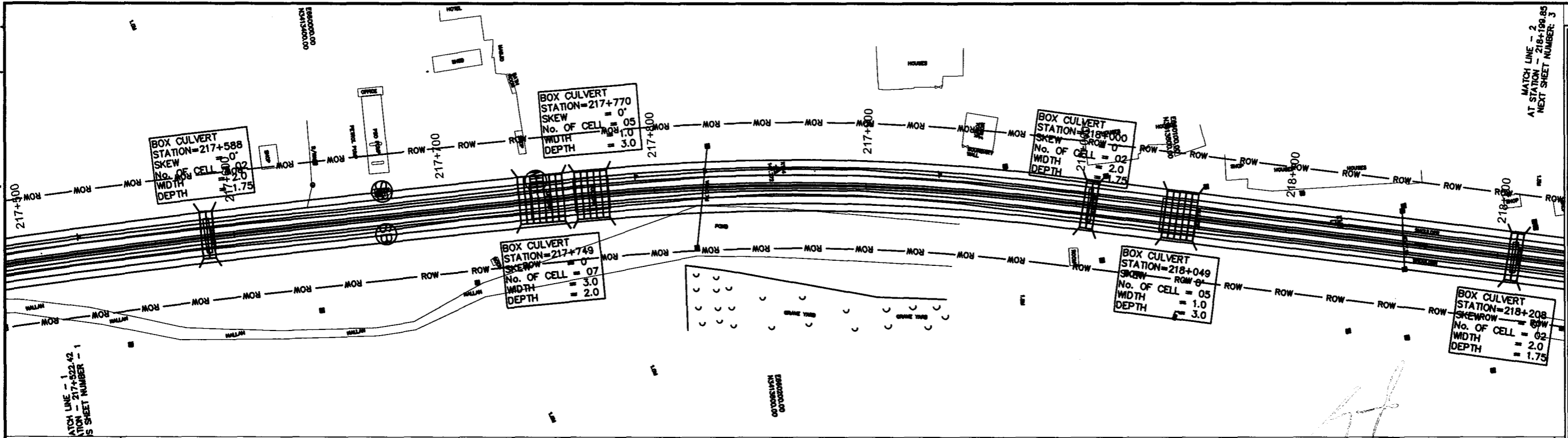


L=503.15m

L=320.04m
R=5000.00m

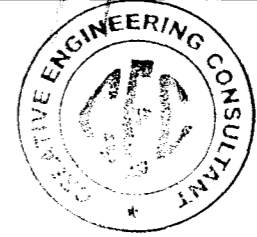
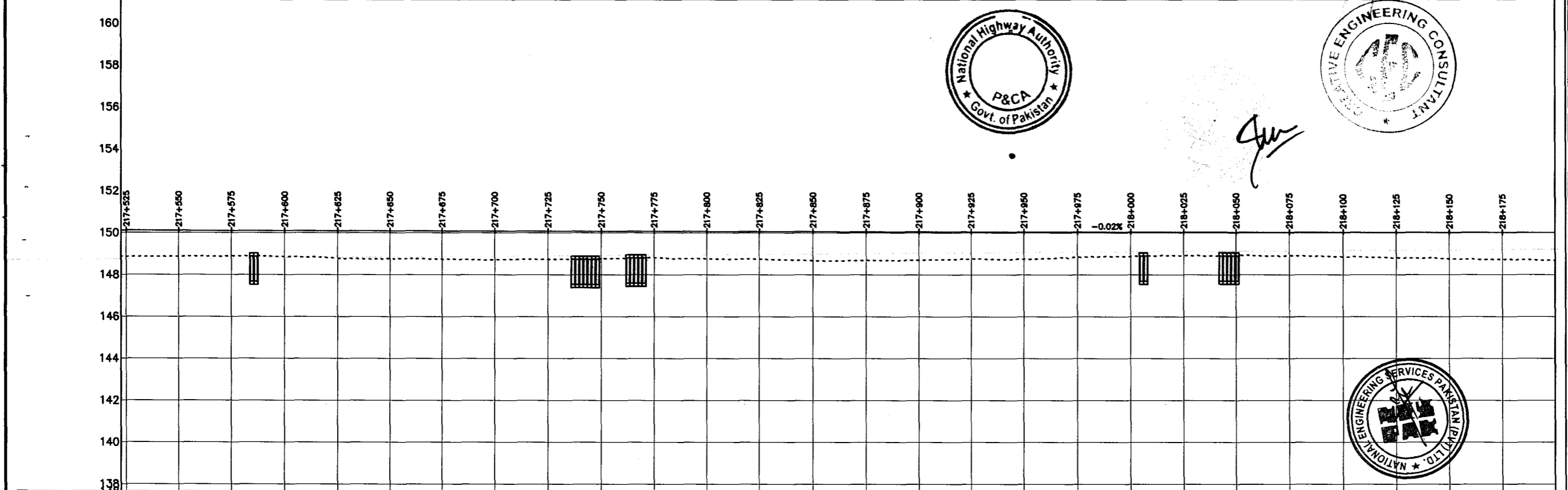
Grade (0.03%)
Tangent Length (295.47)
Chainage (217+140.47)
Elevation (150.14)

HCD	216+845	216+850	216+875	216+900	216+925	216+950	216+975	217+000	217+025	217+050	217+075	217+100	217+125	217+150	217+175	217+200	217+225	217+250	217+275	217+300	217+325	217+350	217+375	217+400	217+425	217+450	217+475	217+500	217+522
VCD	149.018	149.995	148.901	148.901	148.936	148.948	148.955	148.957	148.957	148.929	148.909	148.904	148.883	148.889	148.893	148.862	148.893	148.884	148.892	148.833	148.818	148.836	148.838	148.860	148.932	148.928	148.911	148.867	150.117
P.G.L	150.052	150.059	150.067	150.075	150.082	150.090	150.098	150.105	150.113	150.121	150.128	150.136	150.143	150.149	150.154	150.156	150.156	150.154	150.151	150.147	150.143	150.140	150.136	150.132	150.128	150.125	150.121	150.117	
N.S.L	149.018	148.995	148.901	148.901	148.936	148.948	148.955	148.957	148.957	148.929	148.909	148.904	148.883	148.889	148.893	148.862	148.893	148.884	148.892	148.833	148.818	148.836	148.838	148.860	148.932	148.928	148.911	148.867	150.117
G	216+845	216+850	216+875	216+900	216+925	216+950	216+975	217+000	217+025	217+050	217+075	217+100	217+125	217+150	217+175	217+200	217+225	217+250	217+275	217+300	217+325	217+350	217+375	217+400	217+425	217+450	217+475	217+500	217+522



NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km)
PACKAGE-2
(Km 121+500 TO 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

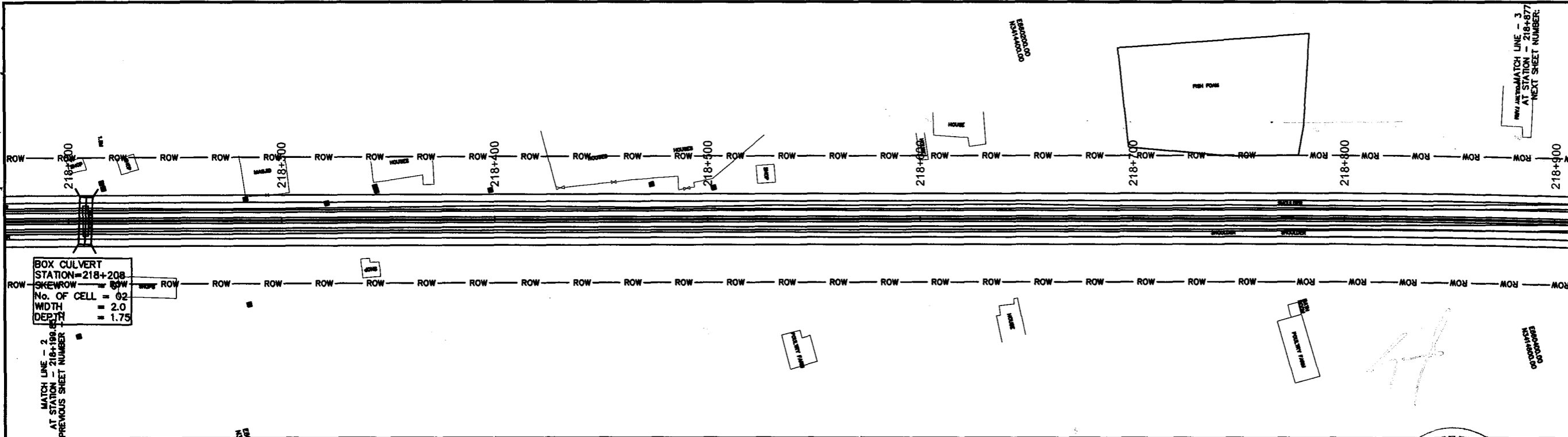
- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
217+522.42 - 218+199.85

DESIGN BY: A S	SHEET NO: 147 of 170
DRAWN BY: S A	SCALE: H=1:1 V=1:10
CHECKED BY: A S	DATE: APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TIII/023

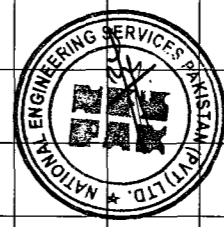
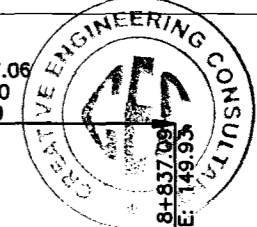
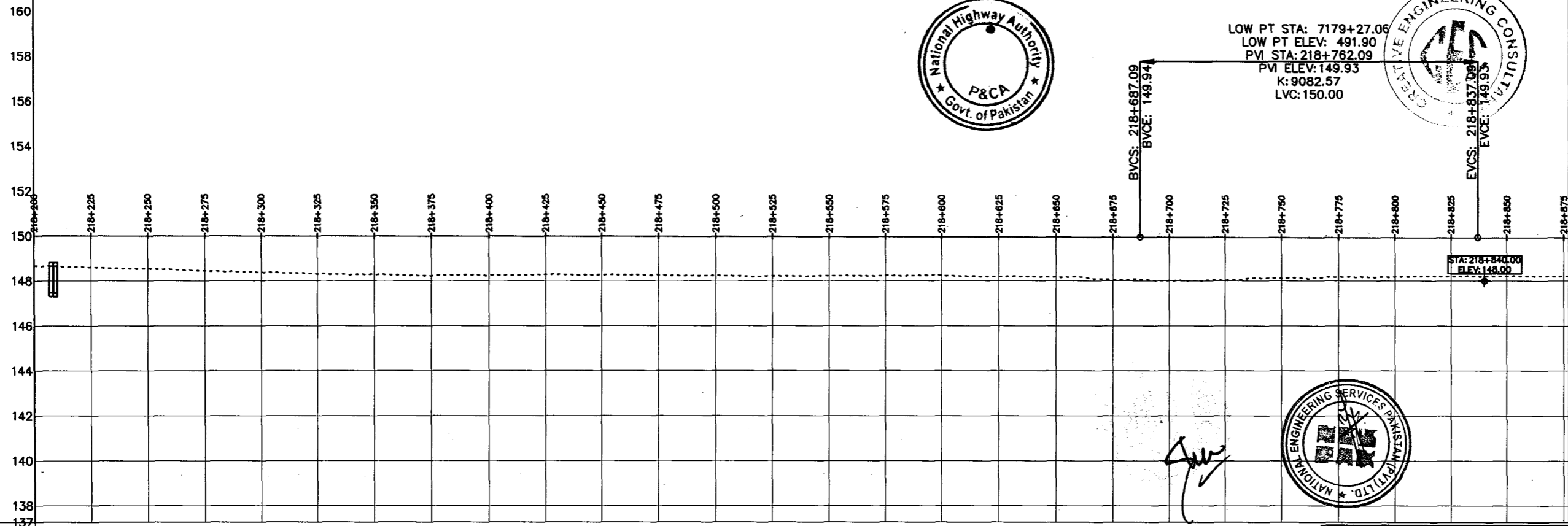
HCD	L=320.04m R=6000.00m		L=91.59m		L=232.21m R=1000.00m		L=775.45m																					
VCD	Grade (-0.02%) Tangent Length (1396.61) Chainage (218+687.09) Elevation (149.94)																											
P.G.L	217+525	217+550	217+575	217+600	217+625	217+650	217+675	217+700	217+725	217+750	217+775	217+800	217+825	217+850	217+875	217+900	217+925	217+950	217+975	218+000	218+025	218+050	218+075	218+100	218+125	218+150	218+175	218+200
N.S.L	148.867	148.867	148.888	148.860	148.768	148.765	148.738	148.716	148.729	148.765	148.821	148.770	148.739	148.679	148.691	148.693	148.761	148.749	148.836	148.884	148.914	148.906	148.905	148.860	148.798	148.751	148.725	148.675
CH	217+525	217+550	217+575	217+600	217+625	217+650	217+675	217+700	217+725	217+750	217+775	217+800	217+825	217+850	217+875	217+900	217+925	217+950	217+975	218+000	218+025	218+050	218+075	218+100	218+125	218+150	218+175	218+200



BOX CULVERT
STATION = 218+208
SKEW = 90°
No. OF CELL = 02
WIDTH = 2.0
DEPTH = 1.75

MATCH LINE - 2
AT STATION - 218+199.85
PREVIOUS SHEET NUMBER

MATCH LINE - 3
AT STATION - 218+877
NEXT SHEET NUMBER



L=775.45m

L=1025.75m
R=5000.00m

Station	CH	N.S.L	P.G.L
218+200	148.675	156.815	
218+225	148.600	150.011	
218+250	148.539	150.008	
218+275	148.448	150.004	
218+300	148.367	150.000	
218+325	148.301	149.996	
218+350	148.274	149.992	
218+375	148.216	149.989	
218+400	148.239	149.985	
218+425	148.272	149.981	
218+450	148.261	149.977	
218+475	148.240	149.974	
218+500	148.230	149.970	
218+525	148.206	149.966	
218+550	148.225	149.962	
218+575	148.234	149.958	
218+600	148.211	149.955	
218+625	148.184	149.951	
218+650	148.172	149.947	
218+675	148.056	149.943	
218+700	148.008	149.940	
218+725	148.032	149.937	
218+750	148.114	149.934	
218+775	148.178	149.933	
218+800	148.178	149.932	
218+825	148.200	149.931	
218+850	148.208	149.932	
218+875	148.213	148.932	

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
------	----------------	------

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

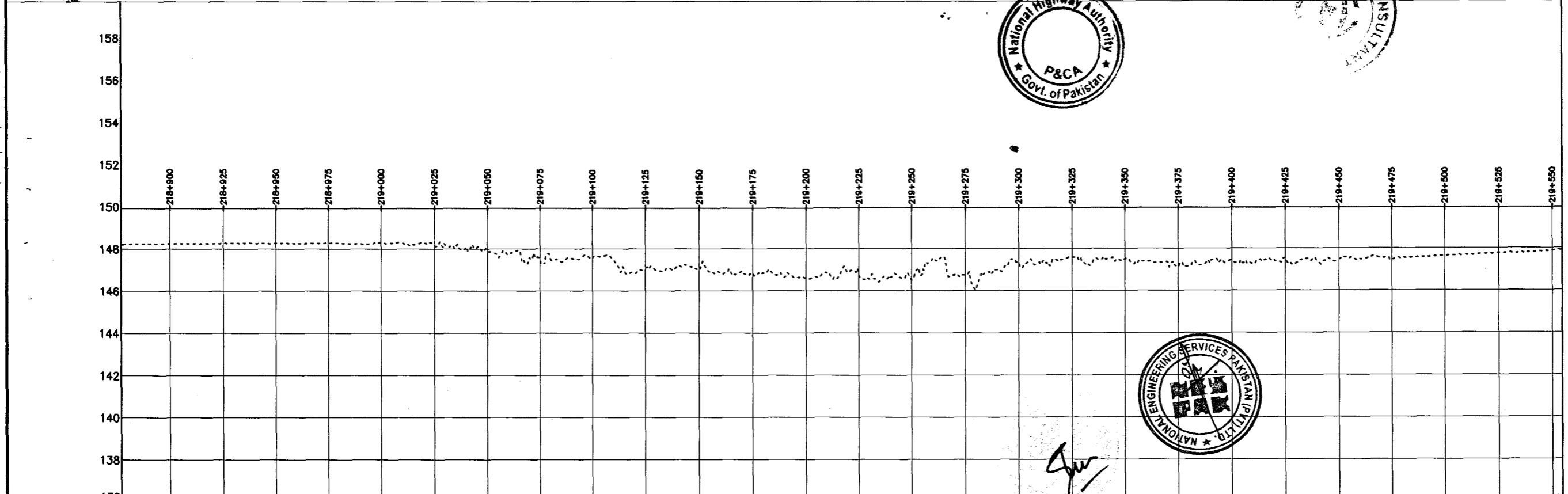
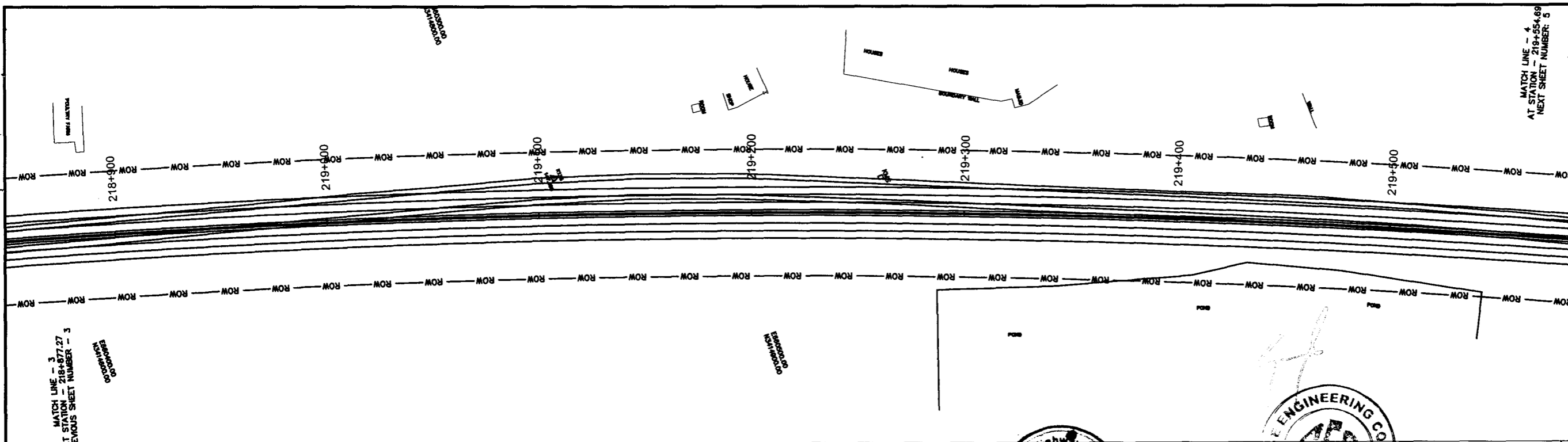
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT. SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
218+199.85 - 218+877.27

DESIGN BY:	SHEET NO:
A.S	148 of 170
DRAWN BY:	SCALE:
S.A	H = 1:1 V = 1:10
CHECKED BY:	DATE:
A.S	APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TH/023



HCD	L=1025.75m																																																			
VCD																																																				
P.G.L	218+900	218+925	218+950	218+975	219+000	219+025	219+050	219+075	219+100	219+125	219+150	219+175	219+200	219+225	219+250	219+275	219+300	219+325	219+350	219+375	219+400	219+425	219+450	219+475	219+500	219+525	219+550																									
N.S.L	148.211	148.246	148.262	148.271	148.933	148.282	148.311	148.311	148.150	148.934	147.889	149.934	147.490	149.935	147.553	149.935	147.081	149.935	146.991	149.936	146.809	149.936	146.607	149.936	146.776	149.937	146.717	149.938	147.350	149.938	147.575	149.938	147.488	149.939	147.163	149.939	147.395	149.939	147.450	149.940	147.459	149.940	147.451	149.940	147.636	149.941	147.771	149.941	147.876	149.941	147.981	149.942
CH	218+877	218+900	218+925	218+950	218+975	219+000	219+025	219+050	219+075	219+100	219+125	219+150	219+175	219+200	219+225	219+250	219+275	219+300	219+325	219+350	219+375	219+400	219+425	219+450	219+475	219+500	219+525	219+550																								

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

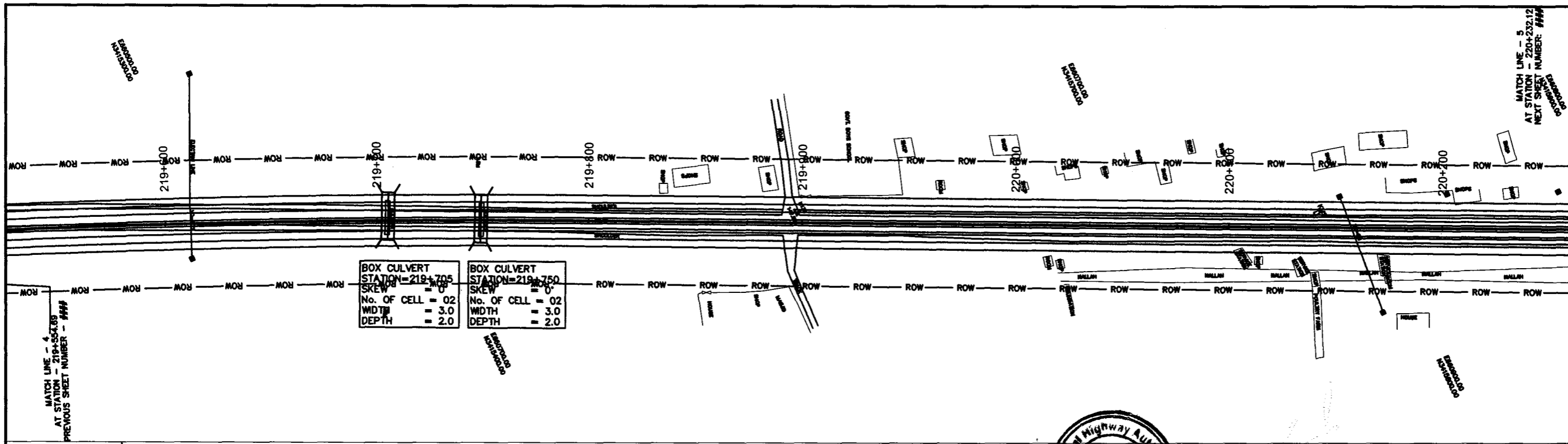
CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
PLAN & PROFILE
218+877.27 - 219+554.89

DESIGN BY:	SHEET NO:
A.S	149 of 170
DRAWN BY:	SCALE: H= 1:1 V= 1:10
S.A	
CHECKED BY:	DATE:
A.S	APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TH/023



BOX CULVERT	BOX CULVERT
STATION = 219+705	STATION = 219+750
SKENW = 0°	SKENW = 0°
No. OF CELL = 02	No. OF CELL = 02
WIDTH = 3.0	WIDTH = 3.0
DEPTH = 2.0	DEPTH = 2.0

MATCH LINE - 5
AT STATION - 220+232.12
NEXT SHEET NUMBER - ###

MATCH LINE - 4
AT STATION - 219+554.89
PREVIOUS SHEET NUMBER - ###

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

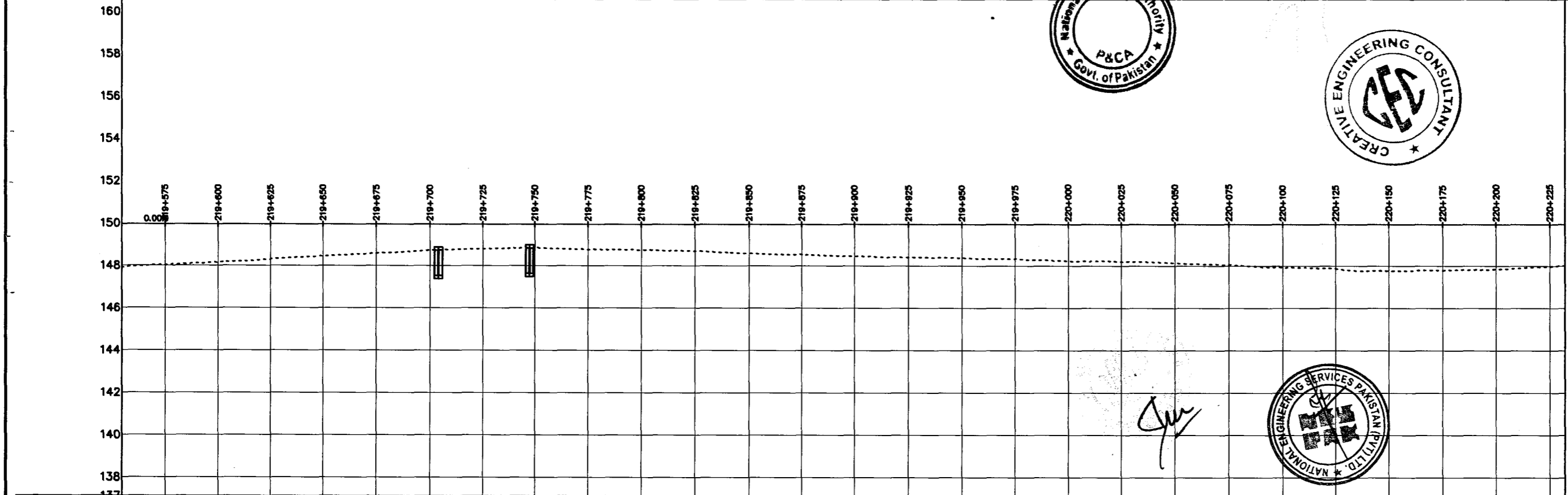
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

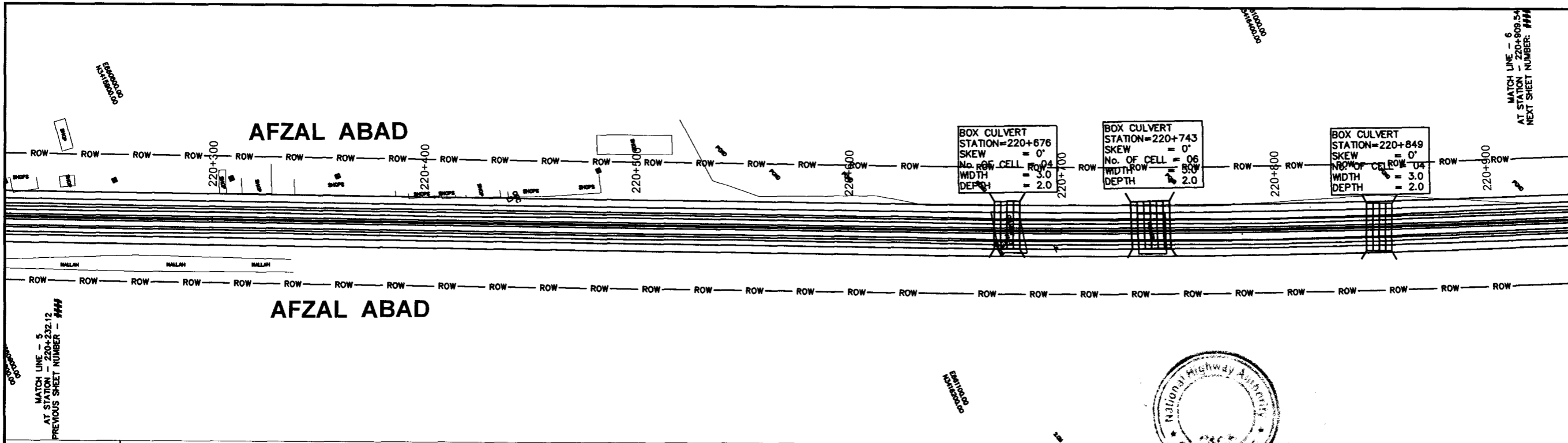
DRAWING TITLE:
PLAN & PROFILE
219+554.89 - 220+232.12

DESIGN BY: A.S	SHEET NO: 150 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TH/01

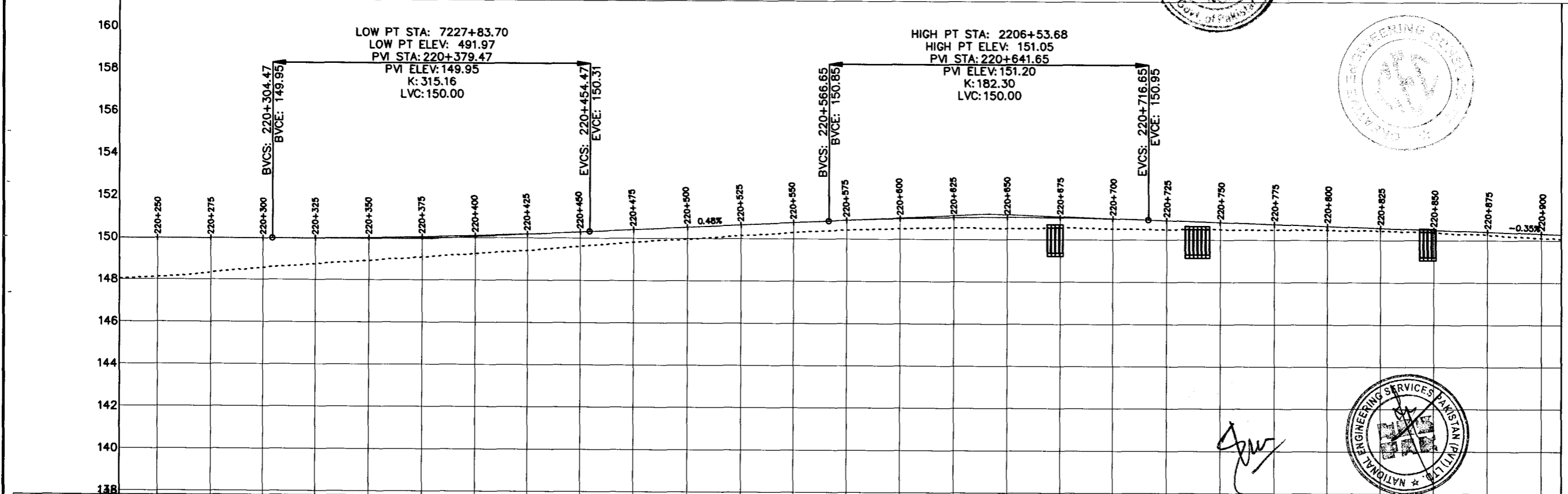


HCD	L=1025.75m R=5000.00m		L=849.21m																									
vcd	Grade (0.00%) Tangent Length (1467.38) Chainage (220+304.47) Elevation (149.95)																											
P.G.L	219+555	219+575	219+600	219+625	219+650	219+675	219+700	219+725	219+750	219+775	219+800	219+825	219+850	219+875	219+900	219+925	219+950	219+975	220+000	220+025	220+050	220+075	220+100	220+125	220+150	220+175	220+200	220+225
N.S.L	147.964	148.017	148.149	148.288	148.437	148.577	148.710	148.786	148.832	148.944	149.045	149.145	149.245	149.345	149.448	149.547	149.647	149.748	149.848	149.948	149.948	149.949	149.949	149.949	149.950	149.950	149.951	149.951
CH	147.964	148.017	148.149	148.288	148.437	148.577	148.710	148.786	148.832	148.944	149.045	149.145	149.245	149.345	149.448	149.547	149.647	149.748	149.848	149.948	149.948	149.949	149.949	149.949	149.950	149.950	149.951	149.951



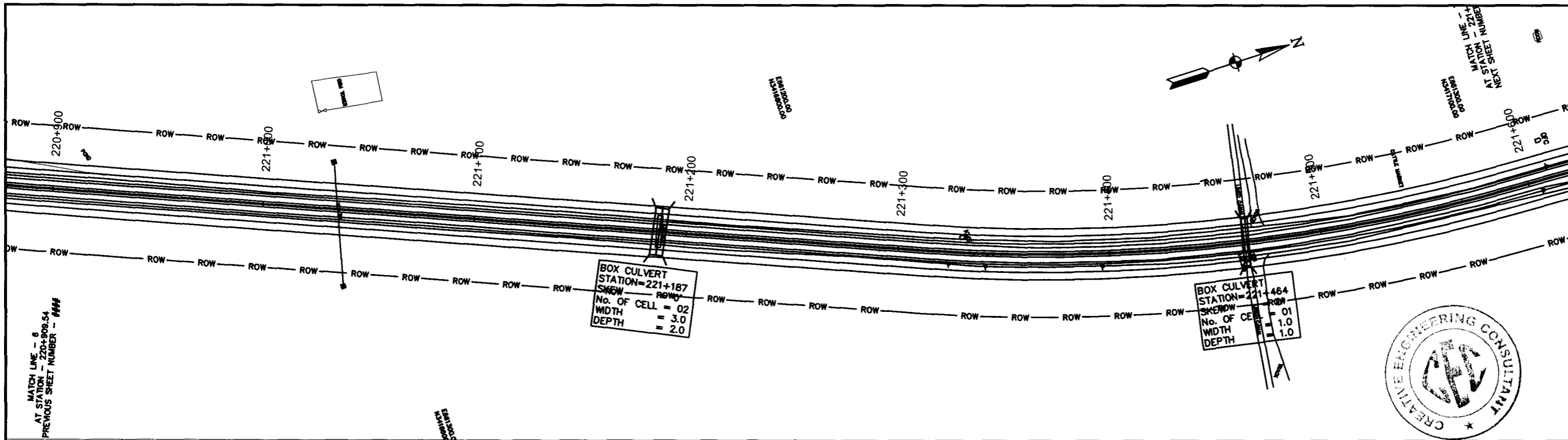
NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



HCD	L=849.21m																				L=284.73m R=5000.00m																			
VCD	Grade (0.48%) Tangent Length (112.18) Chainage (220+067) Elevation (150.85)																				Grade (-0.35%) Tangent Length (351) Chainage (221+067) Elevation (149.73)																			
P.G.L	149.951	149.951	149.952	149.952	149.959	149.986	150.032	150.098	150.184	150.290	150.409	150.529	150.648	150.767	150.885	150.975	151.032	151.054	151.042	150.996	150.917	150.831	150.744	150.658	150.571	150.485	150.399	150.312	150.229											
N.S.L	148.018	148.111	148.327	148.555	148.732	148.905	149.068	149.254	149.411	149.605	149.814	149.970	150.152	150.301	150.419	150.499	150.552	150.532	150.567	150.527	150.495	150.505	150.499	150.486	150.411	150.369	150.271	150.102	150.075											
CH	220+232	220+250	220+275	220+300	220+325	220+350	220+375	220+400	220+425	220+450	220+475	220+500	220+525	220+550	220+575	220+600	220+625	220+650	220+675	220+700	220+725	220+750	220+775	220+800	220+825	220+850	220+875	220+900												

REV.	REVISION/ISSUE	DATE
PROJECT:		
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)		
CLIENT:		
NATIONAL HIGHWAYS AUTHORITY (NHA)		
CONSULTANTS:		
MINCONSULT. SDN BHD In Joint Venture With		
SAMAN CORPORATION		
SHELADIA ASSOCIATES		
CEC		
AAA		
ACE		
AA		
ACC		
DRAWING TITLE:		
PLAN & PROFILE 220+232.12 - 220+909.54		
DESIGN BY:	SHEET NO:	
A.S	151 of 170	
DRAWN BY:	SCALE:	
S.A	H = 1:1 V = 1:10	
CHECKED BY:	DATE:	
A.S	APRIL, 2024	
APPROVED BY:	REVISION:	
CAD FILE NAME:		
CEC/CAREC/III/01		



BOX CULVERT
 STATION=221+187
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 3.0
 DEPTH = 2.0

BOX CULVERT
 STATION=221+464
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 1.0
 DEPTH = 1.0



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4- LANE HIGHWAY
 (208 Km)
 PACKAGE-2
 (Km 121+500 TO 233+200)

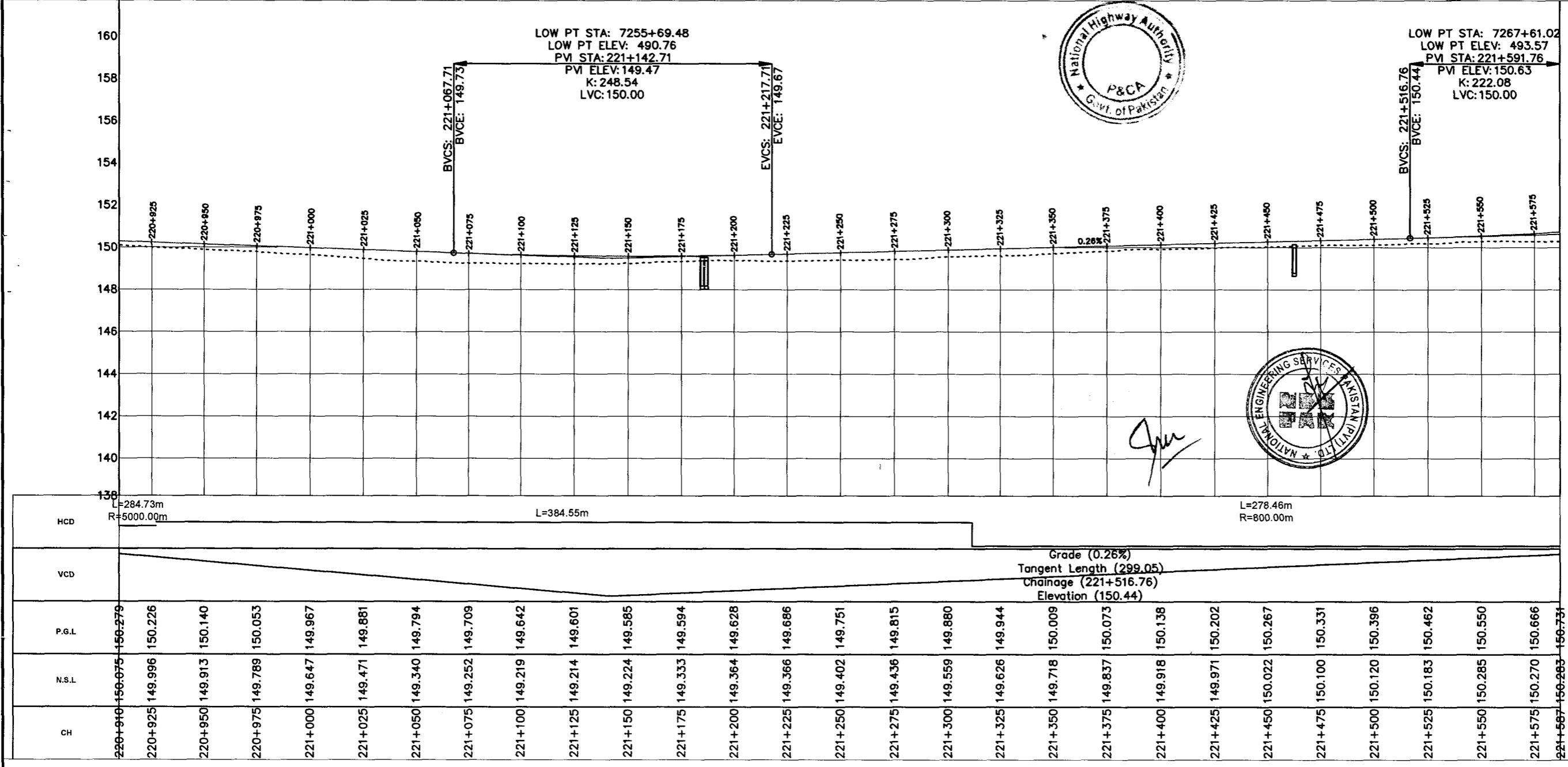
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

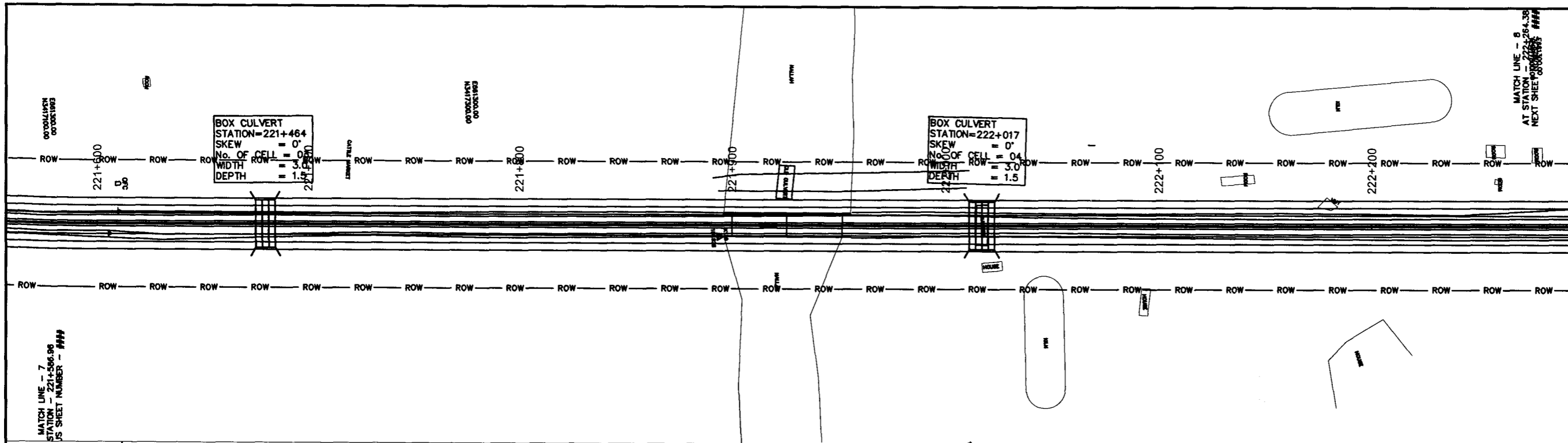
DRAWING TITLE:
 PLAN & PROFILE
 220+909.54 - 221+586.95

DESIGN BY: A.S	SHEET NO: 152 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/III/01

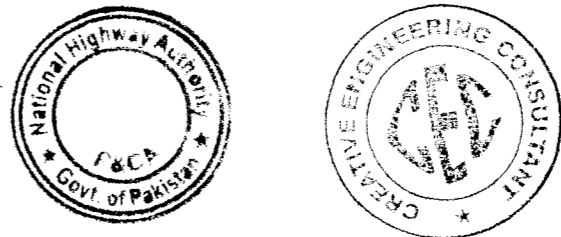
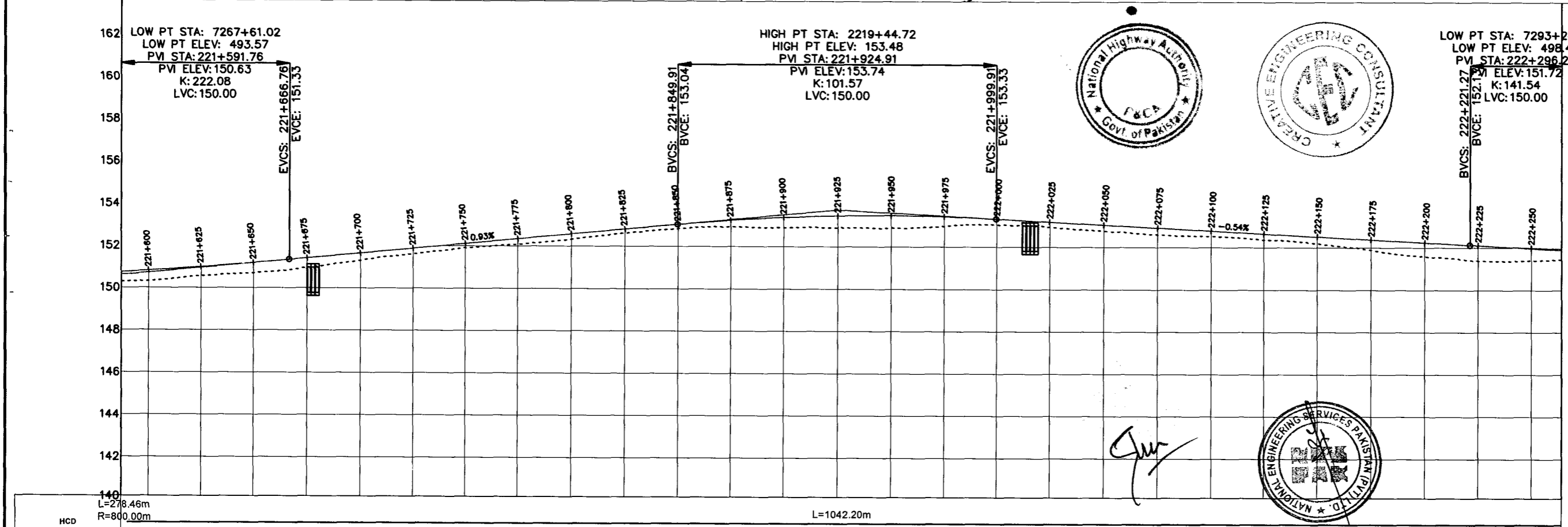


HCD	L=284.73m R=5000.00m	L=384.55m	L=278.46m R=800.00m
VCD	Grade (0.26%) Tangent Length (299.05) Chainage (221+516.76) Elevation (150.44)		
P.G.L	220+910 150.279	220+925 150.226	220+950 150.140
N.S.L	220+910 149.975	220+925 149.996	220+950 149.913
CH	220+910 149.975	220+925 149.996	220+950 149.913
	220+975 149.789	221+000 149.967	221+025 149.881
	221+050 149.340	221+075 149.252	221+100 149.642
	221+125 149.214	221+150 149.224	221+175 149.333
	221+200 149.364	221+225 149.366	221+250 149.402
	221+275 149.436	221+300 149.559	221+325 149.626
	221+350 149.718	221+375 149.837	221+400 149.918
	221+425 149.971	221+450 150.022	221+475 150.100
	221+500 150.120	221+525 150.183	221+550 150.285
	221+575 150.270	221+586.95 150.666	



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

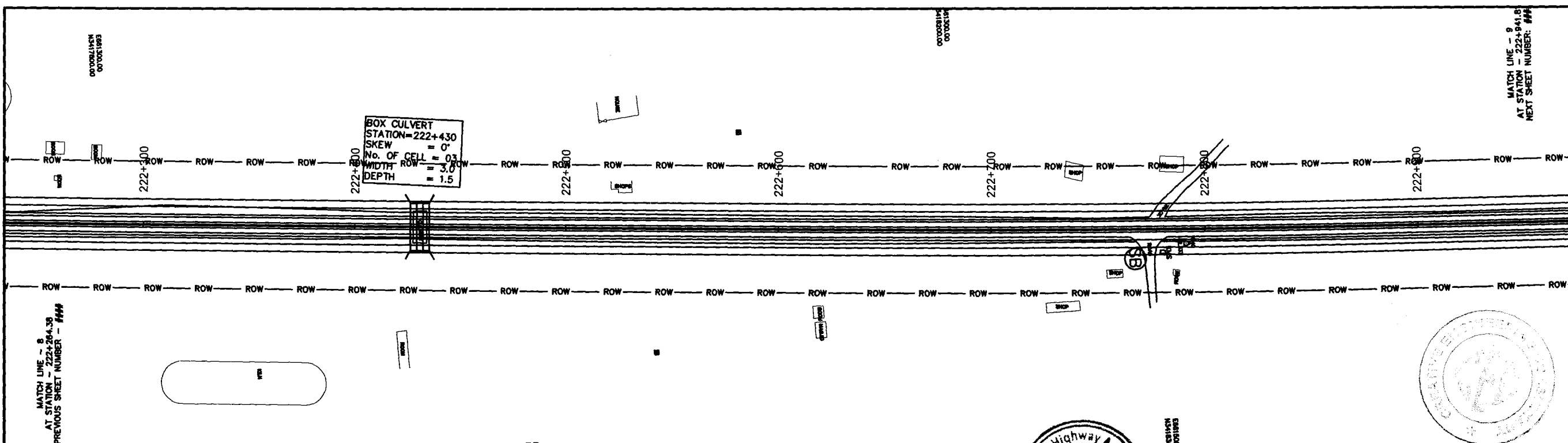
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

HCD	L=278.46m R=800.00m																				L=1042.20m																			
VCD	Grade (0.93%) Tangent Length (183.15) Chainage (221+849.91) Elevation (153.04)																				Grade (-0.54%) Tangent Length (221.37) Chainage (222+221.27) Elevation (152.13)																			
P.G.L	221+587	221+600	221+625	221+650	221+675	221+700	221+725	221+750	221+775	221+800	221+825	221+850	221+875	221+900	221+925	221+950	221+975	222+000	222+025	222+050	222+075	222+100	222+125	222+150	222+175	222+200	222+225	222+250	222+264.38											
N.S.L	150.731	150.810	150.982	151.183	151.410	151.643	151.876	152.110	152.343	152.576	152.810	153.043	153.246	153.386	153.466	153.484	153.440	153.334	153.199	153.063	152.927	152.791	152.655	152.519	152.383	152.248	152.112	152.005	151.963											
CH	221+587	221+600	221+625	221+650	221+675	221+700	221+725	221+750	221+775	221+800	221+825	221+850	221+875	221+900	221+925	221+950	221+975	222+000	222+025	222+050	222+075	222+100	222+125	222+150	222+175	222+200	222+225	222+250	222+264.38											

DRAWING TITLE:
 PLAN & PROFILE
 221+586.96 - 222+264.38

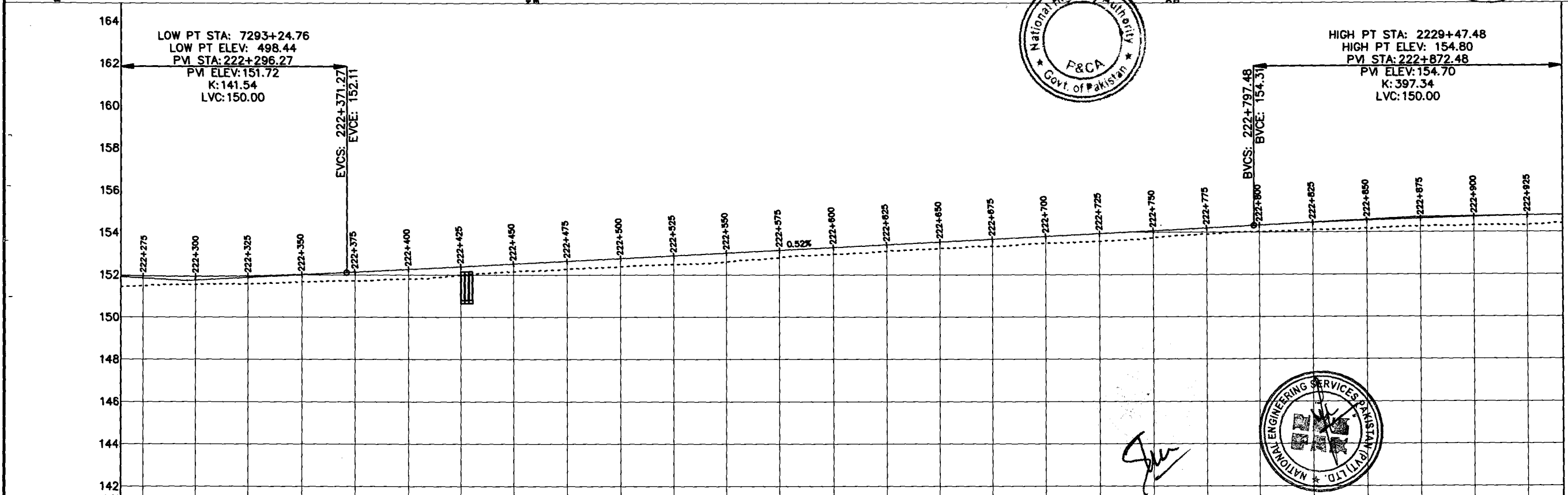
DESIGN BY: A.S	SHEET NO: 153 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/III/01



NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Station	CH	N.S.L	P.G.L
222+264	151.963	151.442	151.963
222+275	151.942	151.485	151.942
222+300	151.923	151.534	151.923
222+325	151.948	151.573	151.948
222+350	152.018	151.676	152.018
222+375	152.131	151.724	152.131
222+400	152.260	151.809	152.260
222+425	152.389	151.989	152.389
222+450	152.518	152.150	152.518
222+475	152.647	152.274	152.647
222+500	152.776	152.389	152.776
222+525	152.906	152.506	152.906
222+550	153.035	152.611	153.035
222+575	153.164	152.810	153.164
222+600	153.293	152.971	153.293
222+625	153.422	153.117	153.422
222+650	153.551	153.243	153.551
222+675	153.680	153.348	153.680
222+700	153.809	153.486	153.809
222+725	153.938	153.579	153.938
222+750	154.067	153.748	154.067
222+775	154.196	153.906	154.196
222+800	154.325	154.026	154.325
222+825	154.445	154.106	154.445
222+850	154.549	154.159	154.549
222+875	154.637	154.252	154.637
222+900	154.710	154.316	154.710
222+925	154.766	154.333	154.766
222+942	154.796	154.410	154.796

REV.	REVISION/ISSUE	DATE
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PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

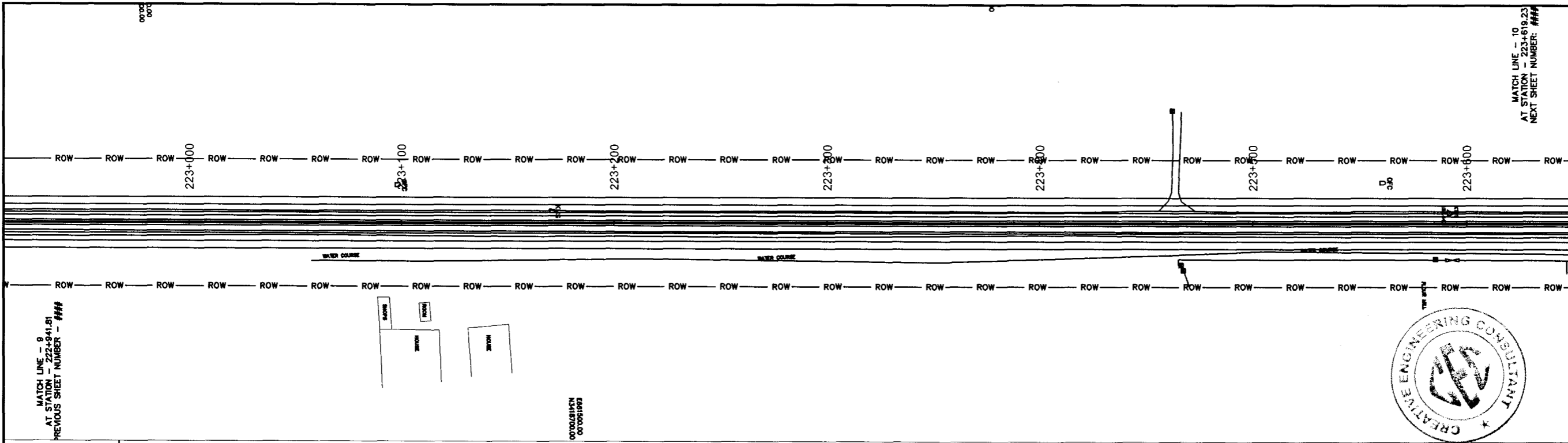
CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 222+264.35 - 222+941.81

DESIGN BY: A.S	SHEET NO: 154 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/T/III/01



MATCH LINE - TO
AT STATION - 223+619.23
NEXT SHEET NUMBER: ###

MATCH LINE - 9
AT STATION - 222+941.81
PREVIOUS SHEET NUMBER - ###



NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4- LANE HIGHWAY
(208 Km)
PACKAGE-2
(Km 121+500 TO 233+200)

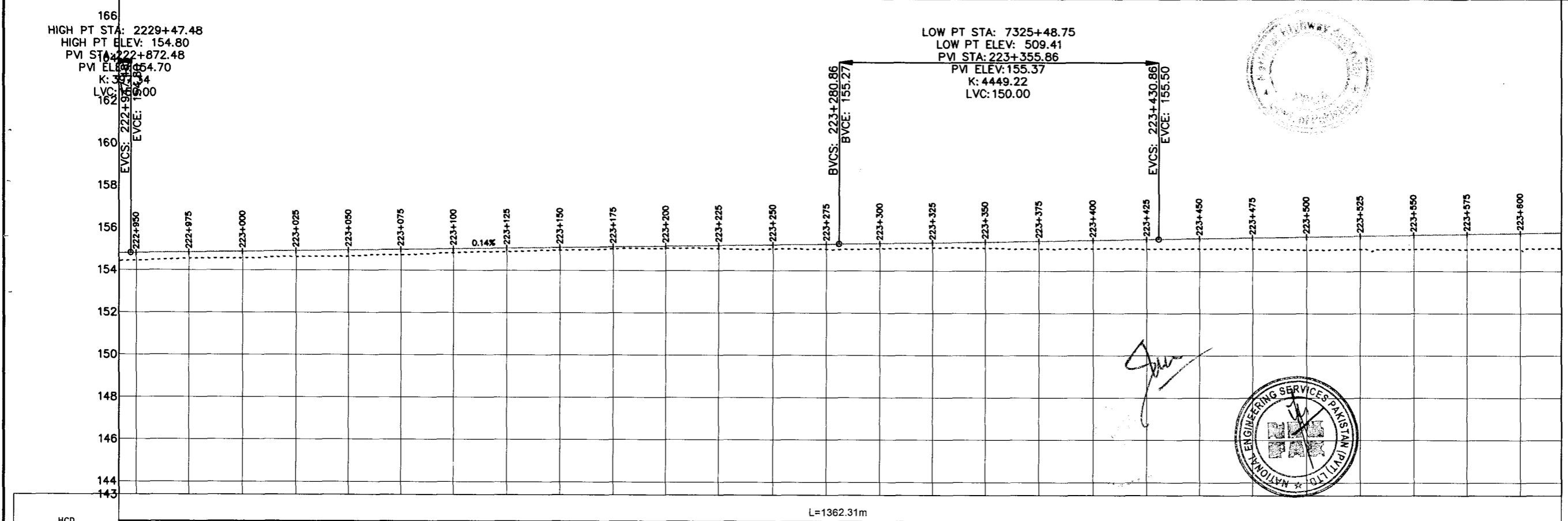
CLIENT:
NHA NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CFC
 - AAA
 - ACE
 - AA
 - ACC

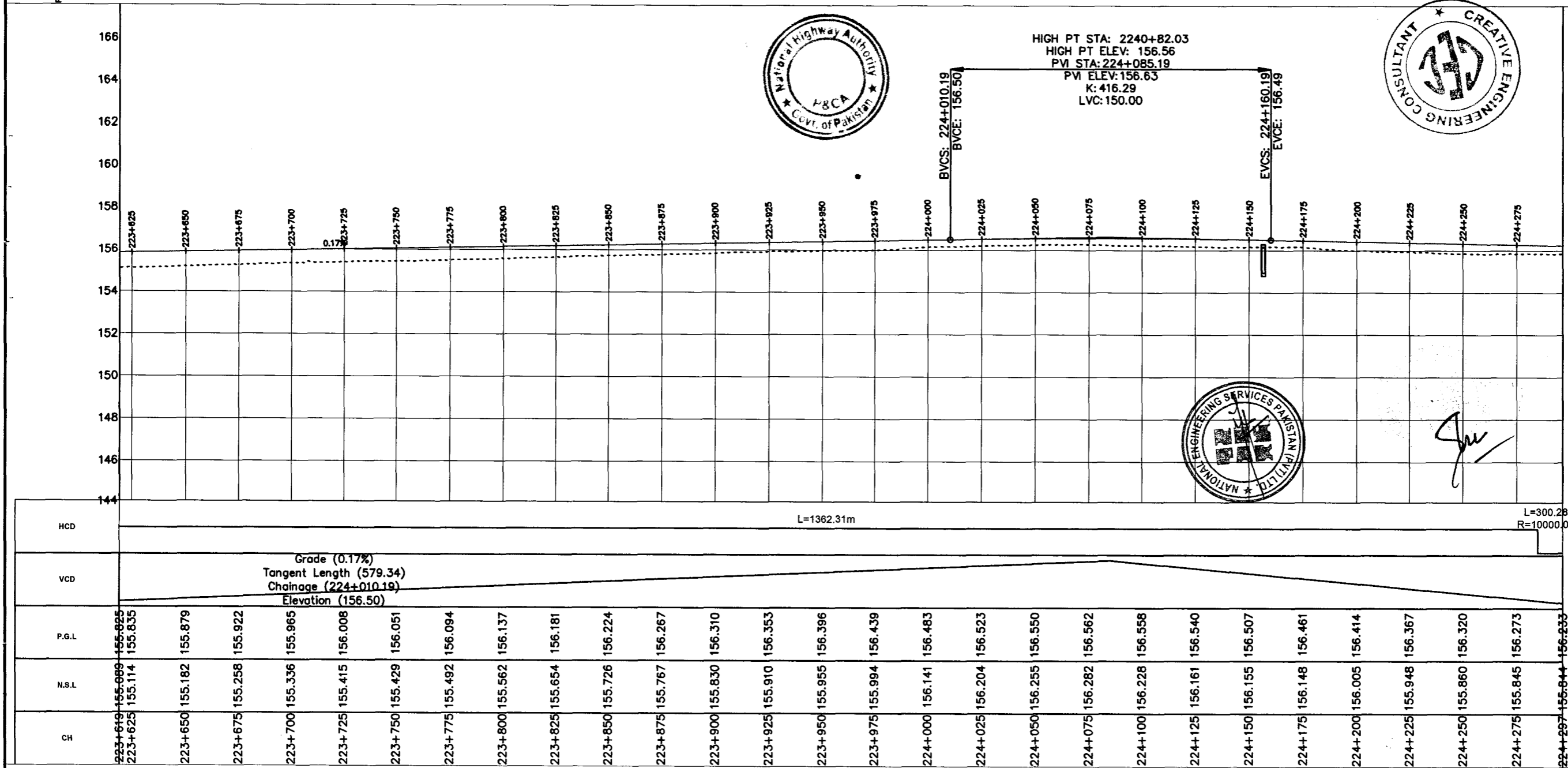
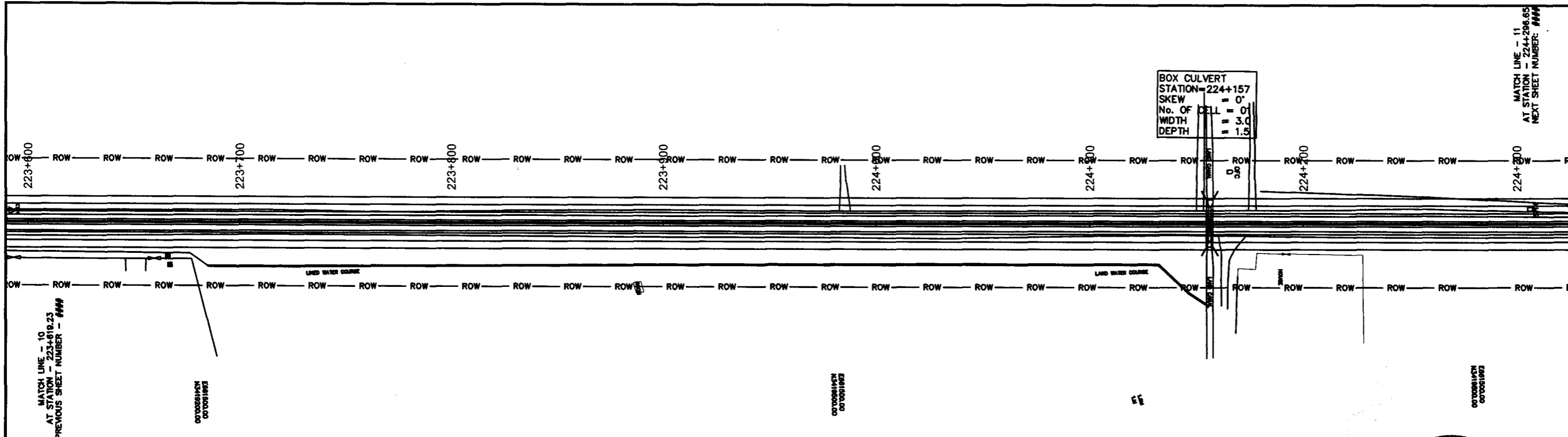
DRAWING TITLE:
PLAN & PROFILE
222+941.81 - 223+619.23

DESIGN BY: A.S	SHEET NO: 155 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL 2024
APPROVED BY:	REVISION:

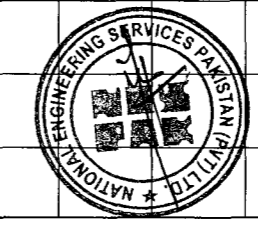
CAD FILE NAME:
CEC/CAREC/III/01



HCD	L=1362.31m																													
VCD	Grade (0.14%) Tangent Length (333.37) Chainage (223+280.86) Elevation (155.27)																													
P.G.L	222+942	222+950	222+975	223+000	223+025	223+050	223+075	223+100	223+125	223+150	223+175	223+200	223+225	223+250	223+275	223+300	223+325	223+350	223+375	223+400	223+425	223+450	223+475	223+500	223+525	223+550	223+575	223+600	223+619	
N.S.L	154.416	154.451	154.550	154.567	154.634	154.652	154.726	154.821	154.888	154.948	155.030	155.048	155.038	155.033	155.024	155.057	155.094	155.081	155.047	155.054	155.054	155.056	155.056	155.005	155.047	155.041	155.030	155.063	155.792	155.825
CH	154.796	154.807	154.842	154.877	154.912	154.946	154.981	155.016	155.050	155.085	155.120	155.155	155.189	155.224	155.259	155.294	155.330	155.368	155.408	155.448	155.490	155.533	155.577	155.620	155.663	155.706	155.749	155.792	155.825	



Station	CH	N.S.L	P.G.L	VCD	HCD
223+619	155.099	155.825	155.825		
223+625	155.114	155.835	155.835		
223+650	155.182	155.879	155.879		
223+675	155.258	155.922	155.922		
223+700	155.336	155.965	155.965		
223+725	155.415	156.008	156.008		
223+750	155.429	156.051	156.051		
223+775	155.492	156.094	156.094		
223+800	155.562	156.137	156.137		
223+825	155.654	156.181	156.181		
223+850	155.726	156.224	156.224		
223+875	155.767	156.267	156.267		
223+900	155.830	156.310	156.310		
223+925	155.910	156.353	156.353		
223+950	155.955	156.396	156.396		
223+975	155.994	156.439	156.439		
224+000	156.141	156.483	156.483		
224+025	156.204	156.523	156.523		
224+050	156.255	156.550	156.550		
224+075	156.282	156.562	156.562		
224+100	156.228	156.558	156.558		
224+125	156.161	156.540	156.540		
224+150	156.155	156.507	156.507		
224+175	156.148	156.461	156.461		
224+200	156.005	156.414	156.414		
224+225	155.948	156.367	156.367		
224+250	155.860	156.320	156.320		
224+275	155.845	156.273	156.273		
224+297	155.844	156.233	156.233		



Signature

NOTES
1:- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE
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PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

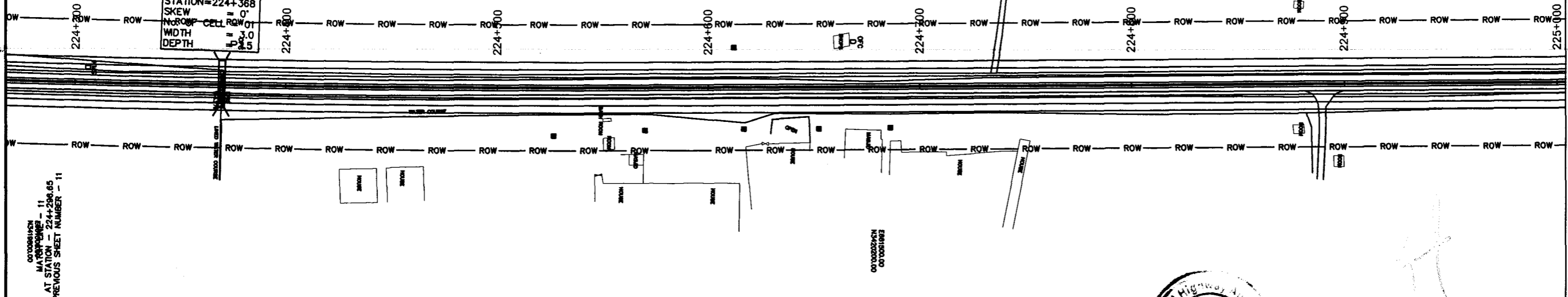
DRAWING TITLE:
PLAN & PROFILE
223+619.23 - 224+206.65

DESIGN BY: A.S	SHEET NO: 156 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TH/01

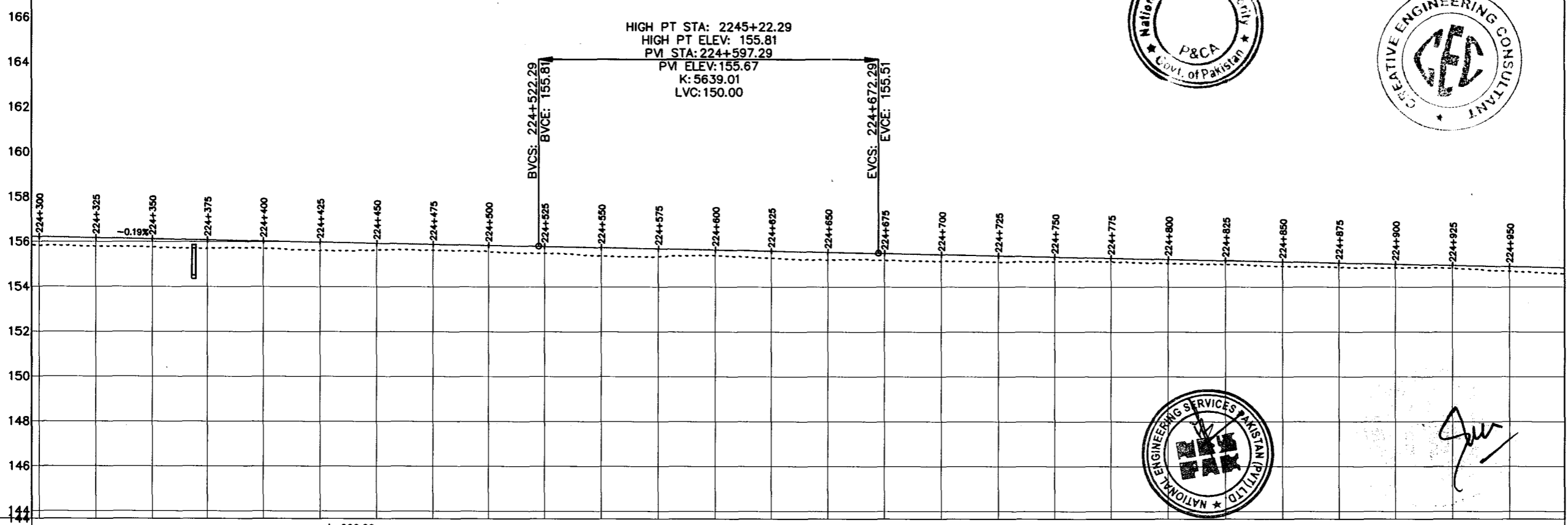
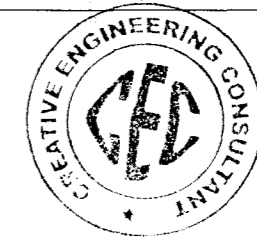
MATCH LINE - 12
AT STATION - 224+974.00
NEXT SHEET NUMBER: 13

BOX CULVERT
STATION=224+368
SKEW
NO. OF CULVERTS
WIDTH
DEPTH



MATCH LINE - 11
AT STATION - 224+296.65
PREVIOUS SHEET NUMBER - 11

HIGH PT STA: 2245+22.29
HIGH PT ELEV: 155.81
PVI STA: 224+597.29
PVI ELEV: 155.67
K: 5639.01
LVC: 150.00



L=300.28m
R=10000.00m

L=2359.91m

Station	HCD	VCD	P.G.L	N.S.L	GR
224+300			156.337	155.844	156.226
224+325			156.179	155.799	156.132
224+350			156.132	155.755	156.085
224+375			156.085	155.706	156.038
224+400			156.038	155.729	155.992
224+425			155.992	155.606	155.945
224+450			155.945	155.640	155.898
224+475			155.898	155.624	155.851
224+500			155.851	155.558	155.804
224+525			155.804	155.495	155.756
224+550			155.756	155.378	155.707
224+575			155.707	155.355	155.658
224+600			155.658	155.400	155.607
224+625			155.607	155.291	155.555
224+650			155.555	155.205	155.501
224+675			155.501	155.193	155.448
224+700			155.448	155.141	155.394
224+725			155.394	155.109	155.341
224+750			155.341	155.129	155.287
224+775			155.287	155.119	155.233
224+800			155.233	155.042	155.180
224+825			155.180	155.010	155.126
224+850			155.126	154.925	155.073
224+875			155.073	154.895	155.019
224+900			155.019	154.852	154.966
224+925			154.966	154.841	154.912
224+950			154.912	154.704	154.860

NOTES

1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN
SECTION OF N-55 AS 4-LANE HIGHWAY
(208 Km)
PACKAGE-2
(Km 121+500 TO 233+200)

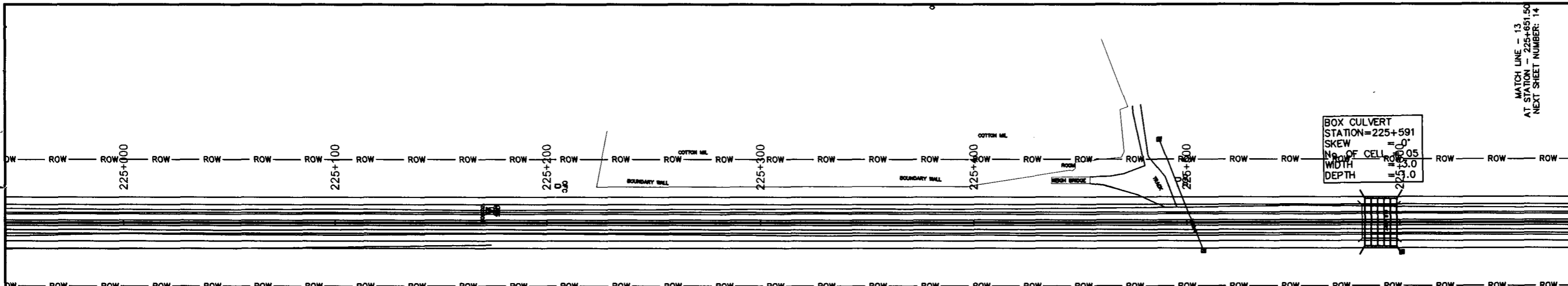
CLIENT:
NATIONAL HIGHWAYS
AUTHORITY (NHA)

- CONSULTANTS:
- MINCONSULT. SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

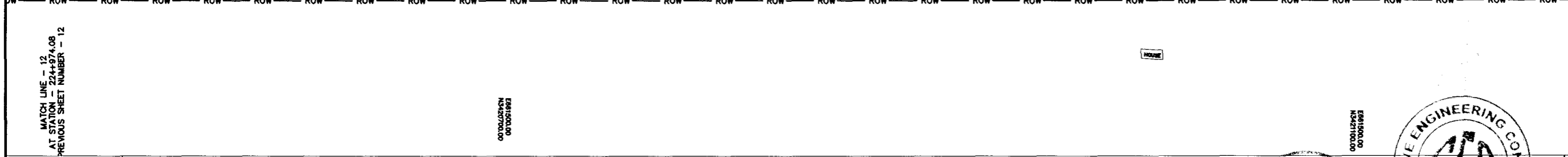
DRAWING TITLE:
PLAN & PROFILE
224+296.65 - 224+974.08

DESIGN BY: A.S	SHEET NO: 157 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/023



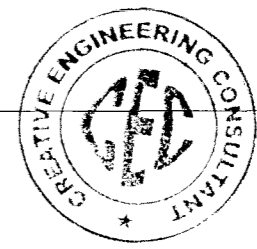
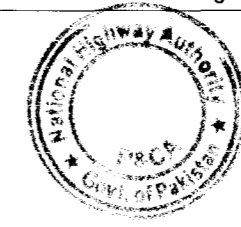
MATCH LINE - 13
AT STATION - 225+651.50
NEXT SHEET NUMBER: 14



MATCH LINE - 12
AT STATION - 224+974.08
PREVIOUS SHEET NUMBER - 12

ORGANIZATION
OF
WORKERS

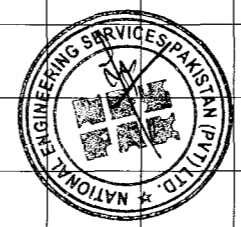
ORGANIZATION
OF
WORKERS



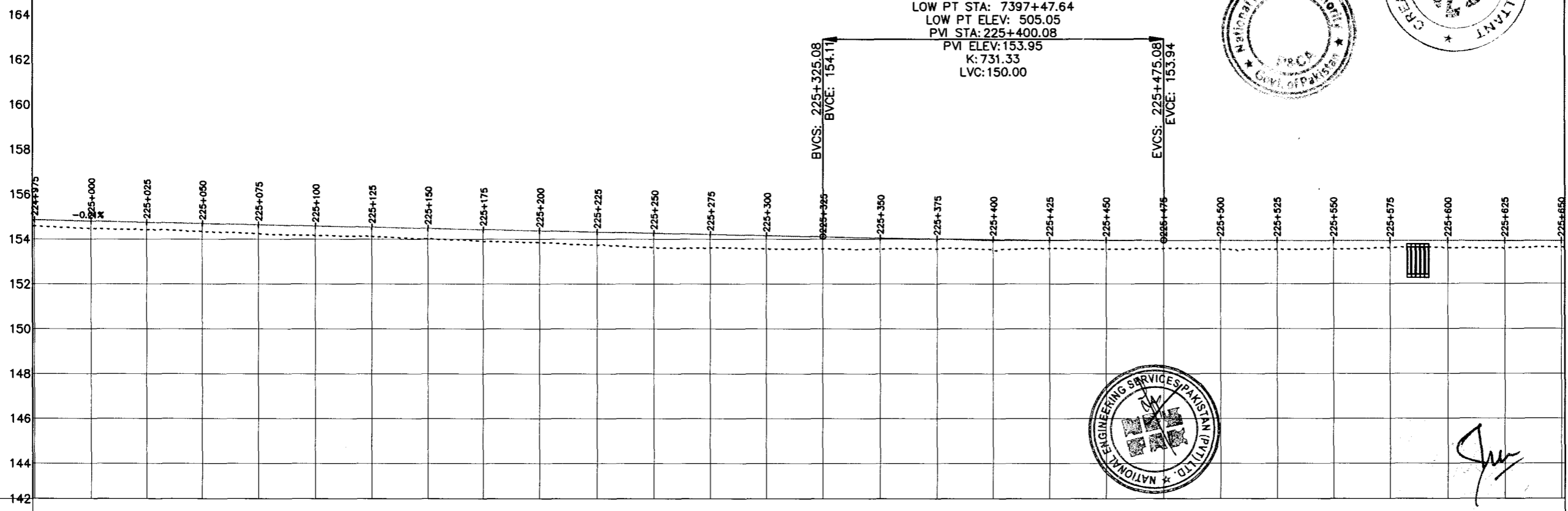
LOW PT STA: 7397+47.64
LOW PT ELEV: 505.05
PVI STA: 225+400.08
PVI ELEV: 153.95
K: 731.33
LVC: 150.00

BVCS: 225+325.08
BVCE: 154.11

EVCS: 225+475.08
EVCE: 153.94



Signature



L=2359.91m

Station	HCD	VCD	P.G.L	N.S.L	CH
224+975		Grade (-0.21%)	154.888	154.888	154.888
225+000		Tangent Length (652.79)	154.805	154.467	154.805
225+025		Chainage (225+325.08)	154.751	154.425	154.751
225+050		Elevation (154.11)	154.698	154.343	154.698
225+075			154.644	154.239	154.644
225+100			154.590	154.152	154.590
225+125			154.537	154.121	154.537
225+150			154.483	154.002	154.483
225+175			154.430	153.905	154.430
225+200			154.376	153.858	154.376
225+225			154.322	153.729	154.322
225+250			154.269	153.636	154.269
225+275			154.215	153.611	154.215
225+300			154.162	153.562	154.162
225+325			154.108	153.567	154.108
225+350			154.059	153.544	154.059
225+375			154.018	153.549	154.018
225+400			153.986	153.536	153.986
225+425			153.962	153.585	153.962
225+450			153.947	153.552	153.947
225+475			153.940	153.572	153.940
225+500			153.938	153.554	153.938
225+525			153.936	153.544	153.936
225+550			153.933	153.543	153.933
225+575			153.931	153.597	153.931
225+600			153.929	153.591	153.929
225+625			153.926	153.573	153.926
225+650			153.924	153.628	153.924

NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

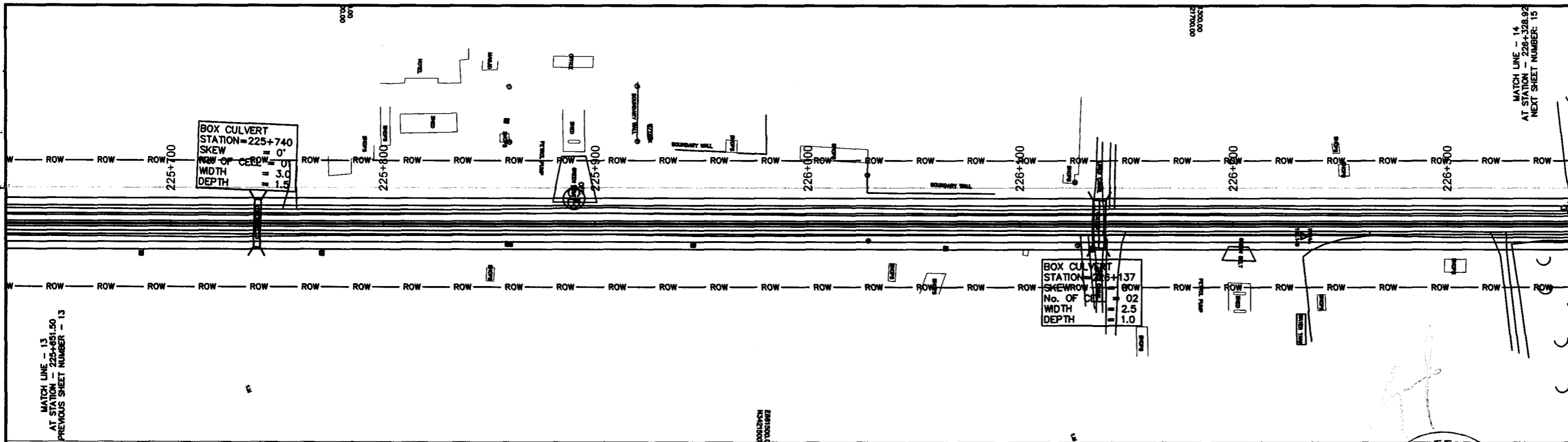
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
224+974.08 - 225+651.50

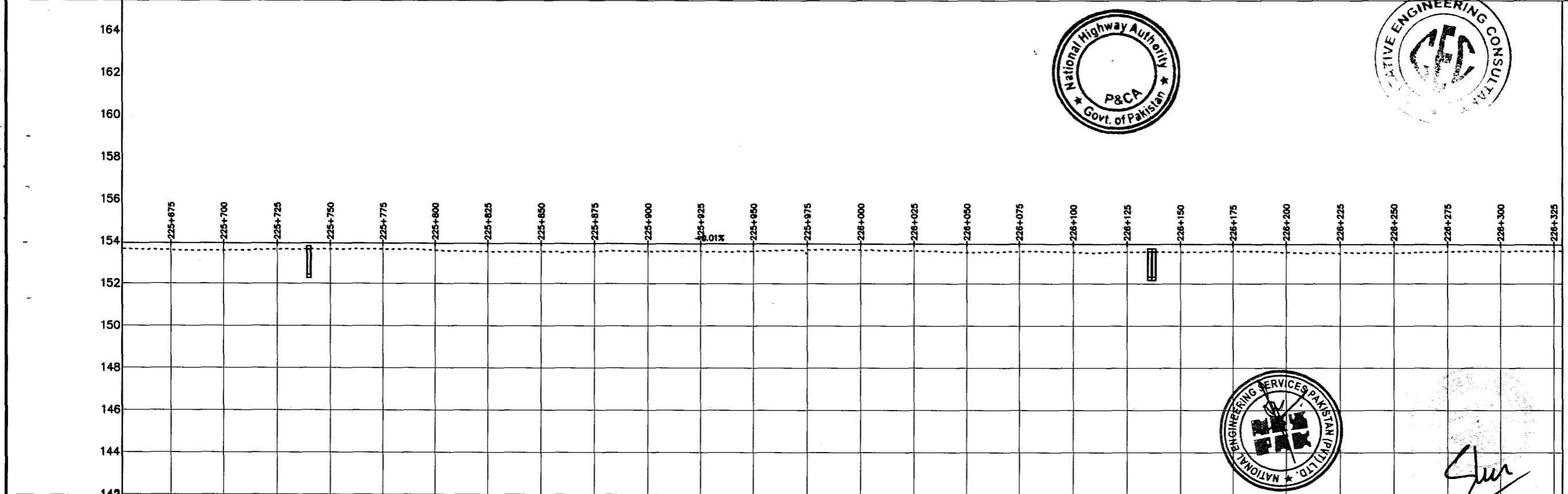
DESIGN BY: A.S	SHEET NO: 158 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TIII/023

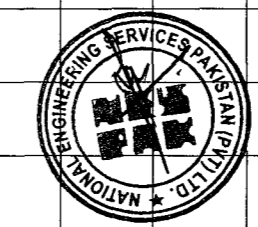
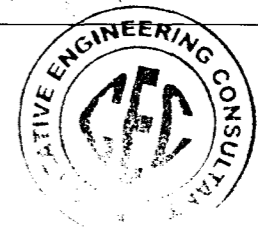
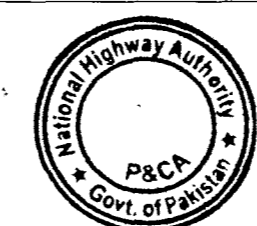


NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



Station	CH	N.S.L	P.G.L
225+651.50	153.622	153.924	153.922
225+675	153.585	153.919	153.917
225+700	153.569	153.915	153.912
225+725	153.615	153.910	153.908
225+750	153.619	153.905	153.903
225+775	153.625	153.901	153.899
225+800	153.569	153.896	153.894
225+825	153.520	153.892	153.889
225+850	153.517	153.887	153.885
225+875	153.511	153.882	153.880
225+900	153.527	153.878	153.875
225+925	153.541	153.873	153.871
225+950	153.540	153.868	153.866
225+975	153.510	153.864	153.862
226+000	153.605	153.858	153.856
226+025	153.552	153.854	153.852
226+050	153.474	153.849	153.847
226+075	153.527	153.844	153.842
226+100	153.496	153.839	153.837
226+125	153.506	153.834	153.832
226+150	153.498	153.829	153.827
226+175	153.552	153.824	153.822
226+200	153.485	153.819	153.817
226+225	153.436	153.814	153.812
226+250	153.455	153.809	153.807
226+275	153.524	153.804	153.802
226+300	153.539	153.799	153.797
226+328.92	153.558	153.794	153.792



PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

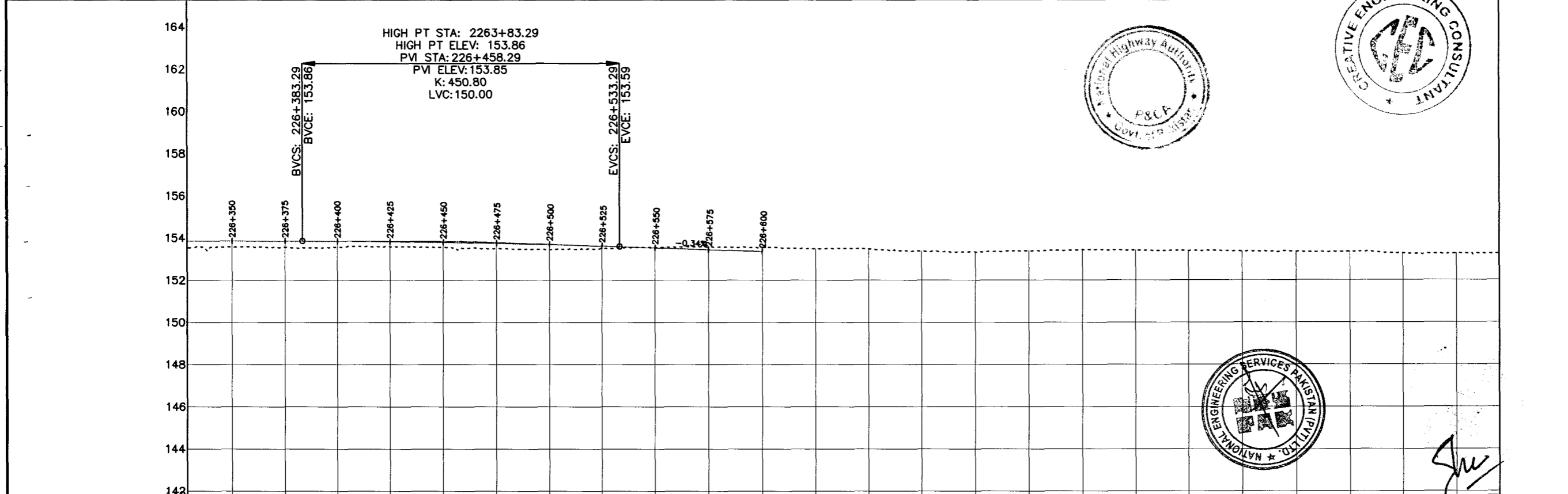
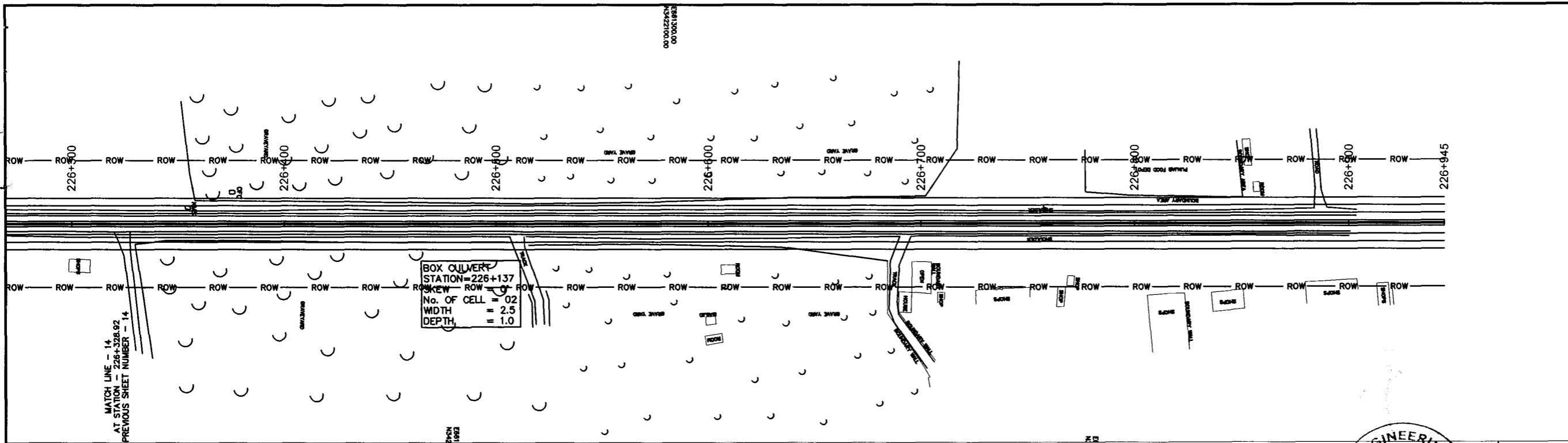
- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
225+651.50 - 226+328.92

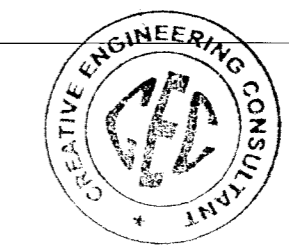
DESIGN BY: A.S	SHEET NO. 159 of 170
DRAWN BY: S.A	SCALE: H=1:1 V=1:10
CHECKED BY: A.S	DATE: APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/023

Signature



HCD	L=2359.91m																									
VCD	Grade (-0.34%) Tangent Length (66.78) Chainage (226+600.07) Elevation (153.36)																									
P.G.L	226+329	226+350	226+375	226+400	226+425	226+450	226+475	226+500	226+525	226+550	226+575	226+600	226+625	226+650	226+675	226+700	226+725	226+750	226+775	226+800	226+825	226+850	226+875	226+900	226+925	226+945
N.S.L	153.548	153.579	153.552	153.572	153.592	153.551	153.480	153.450	153.501	153.570	153.569	153.550	153.476	153.475	153.368	153.329	153.394	153.436	153.427	153.382	153.355	153.346	153.346	153.261	153.253	153.244
CH	226+329	226+350	226+375	226+400	226+425	226+450	226+475	226+500	226+525	226+550	226+575	226+600	226+625	226+650	226+675	226+700	226+725	226+750	226+775	226+800	226+825	226+850	226+875	226+900	226+925	226+945



Signature

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

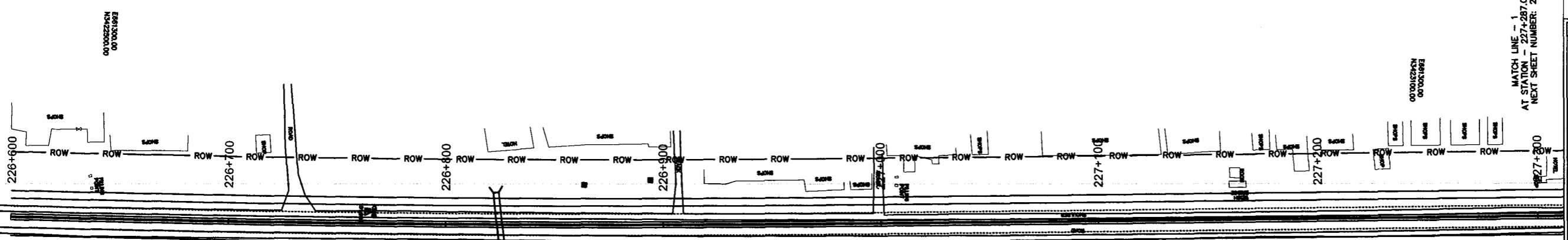
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
 MINCONSULT SDN BHD
 In Joint Venture With
 SAMAN CORPORATION
 SHELADIA ASSOCIATES
 CEC
 AAA
 ACE
 AA
 ACC

DRAWING TITLE:
PLAN & PROFILE
226+328.92 - 226+945.02

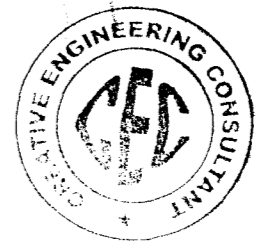
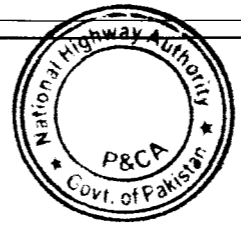
DESIGN BY: A.S	SHEET NO: 160 of 170
DRAWN BY: S.A	SCALE: H = 1:1 V = 1:10
CHECKED BY: A.S	DATE: APRIL, 2023
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/023

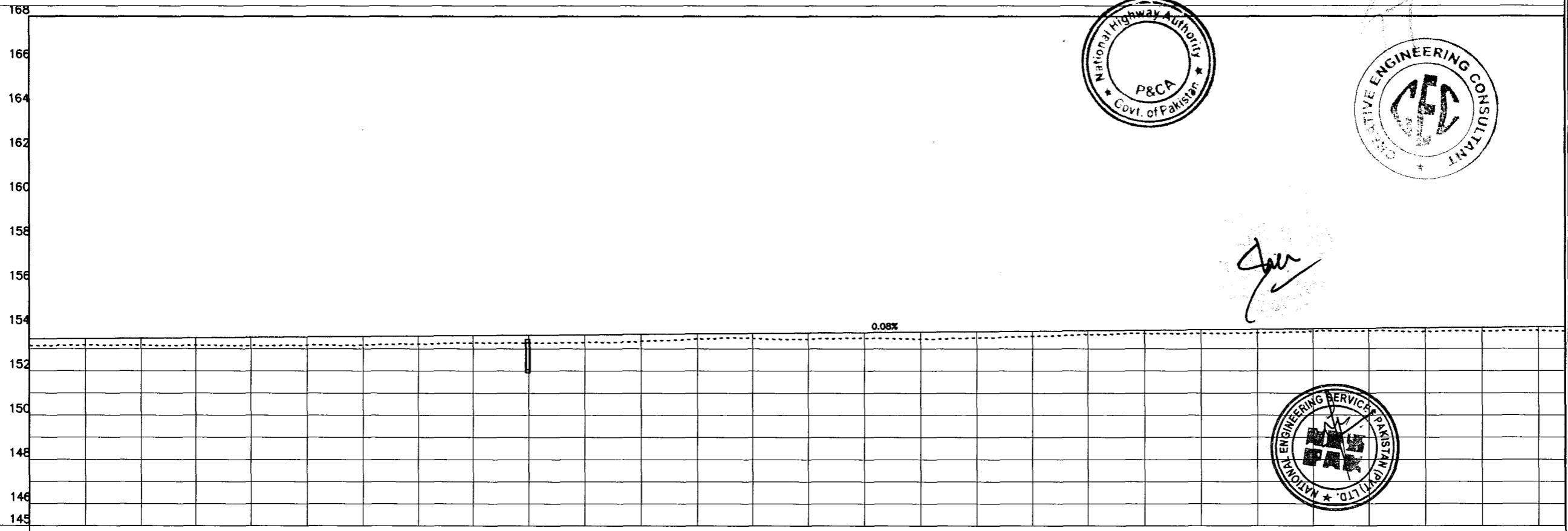
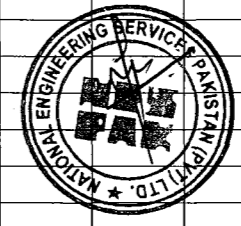


BOX CULVERT
 STATION = 226+838
 SKEW = 0°
 No. OF CELL = 01
 WIDTH = 2.0
 DEPTH = 1.5

RAITRA



Jain



HCD L=66.27m L=308.32m R=10000.00m L=1716.38m

Grade (0.08%)
 Tangent Length (767.58)
 Chainage (227+367.72)
 Elevation (154.06)

CH	226+600	226+625	226+650	226+675	226+700	226+725	226+750	226+775	226+800	226+825	226+850	226+875	226+900	226+925	226+950	226+975	227+000	227+025	227+050	227+075	227+100	227+125	227+150	227+175	227+200	227+225	227+250	227+275
N.S.L	153.142	153.160	153.164	153.161	153.127	153.168	153.159	153.215	153.269	153.261	153.286	153.343	153.455	153.465	153.445	153.484	153.440	153.495	153.568	153.638	153.691	153.688	153.710	153.784	153.803	153.781	153.797	153.809
P.G.L	153.465	153.485	153.505	153.526	153.546	153.566	153.586	153.606	153.626	153.647	153.667	153.687	153.707	153.727	153.747	153.768	153.788	153.808	153.828	153.848	153.868	153.889	153.909	153.929	153.949	153.969	153.989	

NOTES
 1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

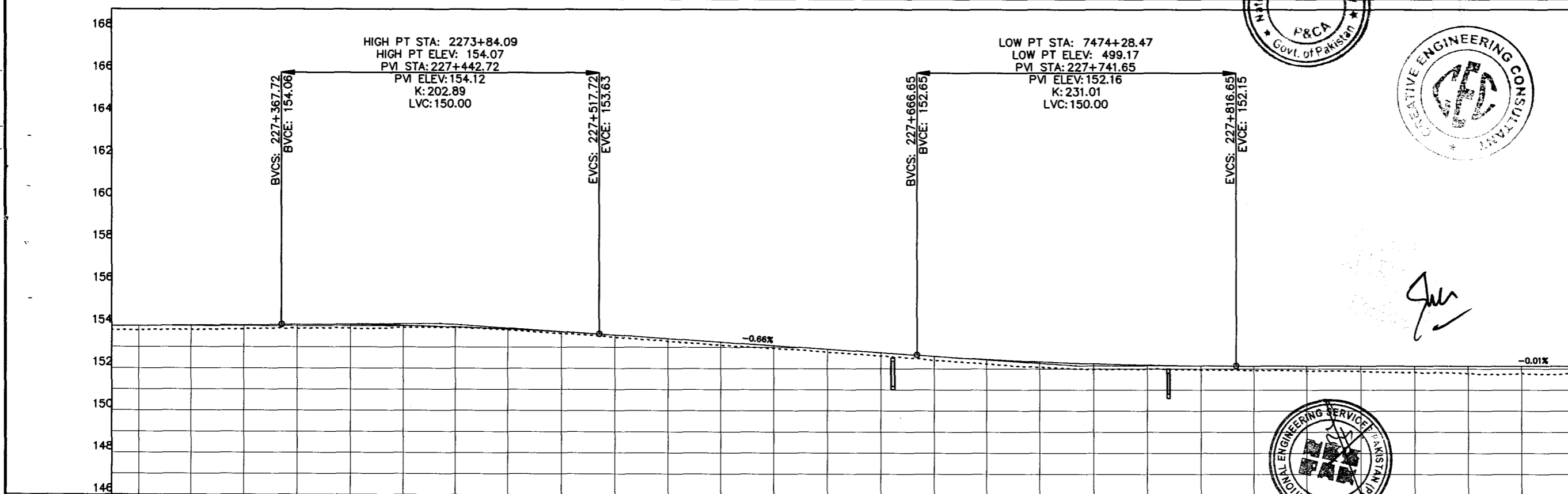
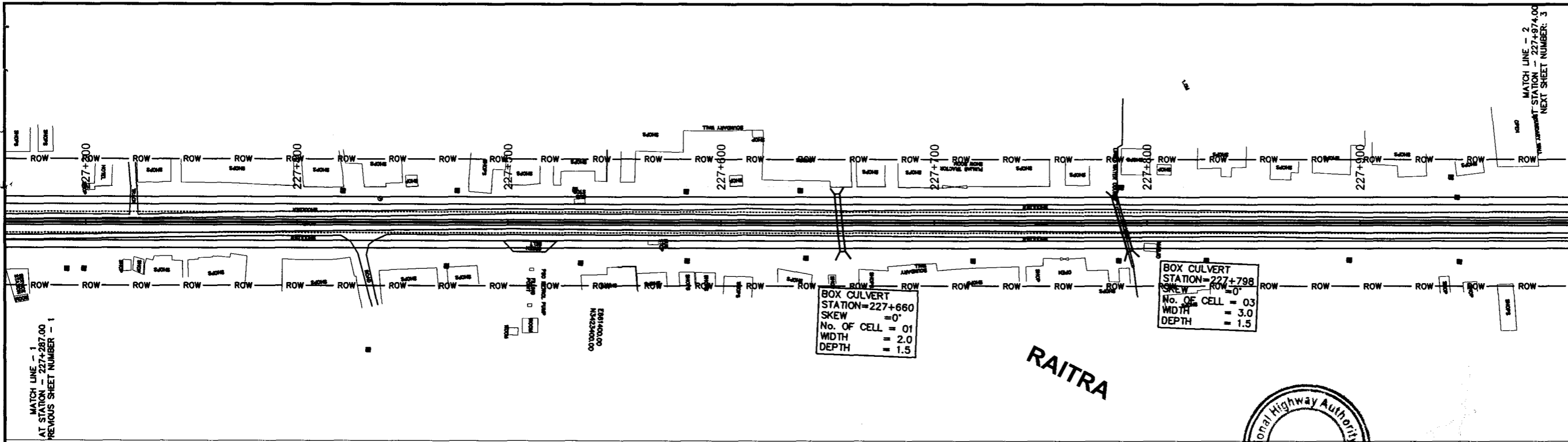
CONSULTANTS:

- MINCONSULT. SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 226+600.00 - 227+287.00

DESIGN BY: A.S	SHEET NO: 161 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/TH/024



Station	Grade (-0.66%)	Grade (-0.01%)
227+287	153.999	152.139
227+300	154.010	152.136
227+325	153.832	152.141
227+350	153.849	152.143
227+375	153.880	152.146
227+400	153.882	152.148
227+425	153.932	152.156
227+450	153.922	152.158
227+475	153.824	152.165
227+500	153.650	152.179
227+525	153.475	152.226
227+550	153.288	152.251
227+575	153.108	152.251
227+600	152.958	152.190
227+625	152.779	152.148
227+650	152.607	152.146
227+675	152.410	152.143
227+700	152.226	152.141
227+725	152.086	152.139
227+750	151.971	152.139
227+775	151.992	152.139
227+800	151.955	152.139
227+825	151.939	152.139
227+850	151.902	152.139
227+875	151.895	152.139
227+900	151.832	152.139
227+925	151.781	152.139
227+950	151.777	152.139

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

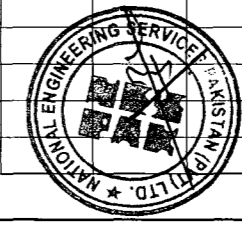
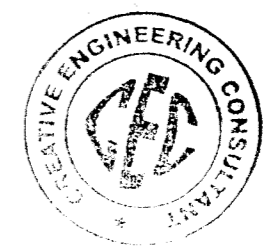
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

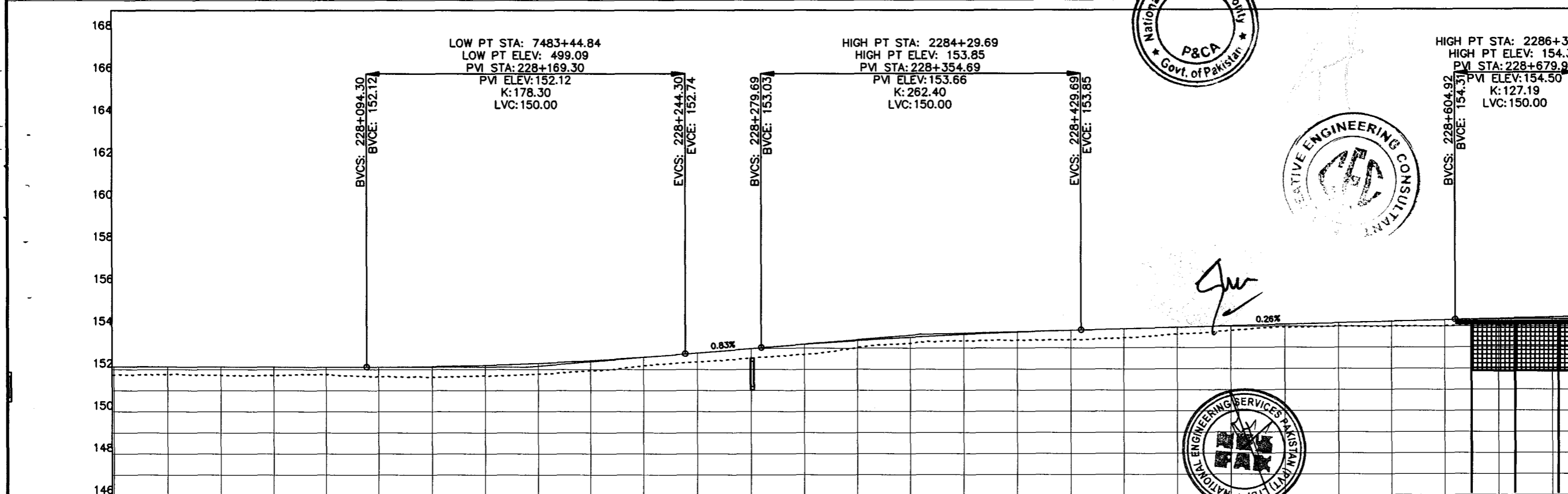
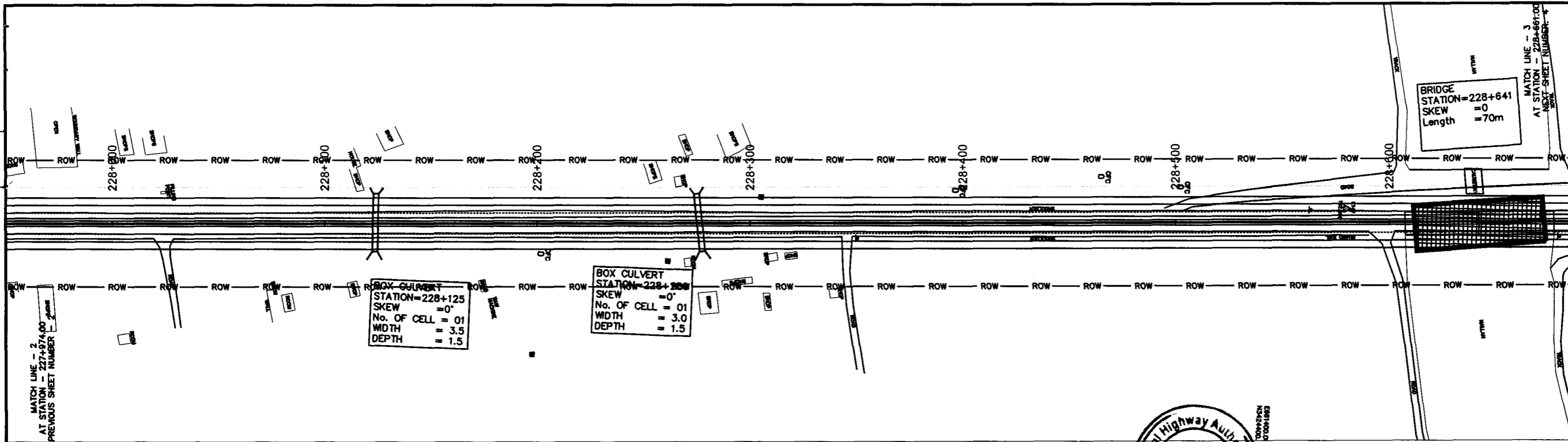
DRAWING TITLE:
PLAN & PROFILE
227+287.00 - 227+974.00

DESIGN BY: A.S	SHEET NO: 162 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TH/024



Jan



Station	CH	N.S.L	P.G.L
228+000	151.754	152.132	152.134
228+025	151.728	152.129	152.134
228+050	151.722	152.127	152.134
228+075	151.755	152.125	152.134
228+100	151.665	152.123	152.134
228+125	151.644	152.146	152.134
228+150	151.689	152.205	152.134
228+175	151.783	152.298	152.134
228+200	151.943	152.426	152.134
228+225	152.178	152.590	152.134
228+250	152.352	152.787	152.134
228+275	152.532	152.995	152.134
228+300	152.706	153.195	152.134
228+325	153.035	153.372	152.134
228+350	153.227	153.525	152.134
228+375	153.335	153.654	152.134
228+400	153.372	153.759	152.134
228+425	153.380	153.841	152.134
228+450	153.475	153.906	152.134
228+475	153.641	153.971	152.134
228+500	153.800	154.036	152.134
228+525	153.954	154.101	152.134
228+550	154.002	154.167	152.134
228+575	154.002	154.232	152.134
228+600	154.016	154.297	152.134
228+625	154.029	154.346	152.134
228+650	154.084	154.347	152.134

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

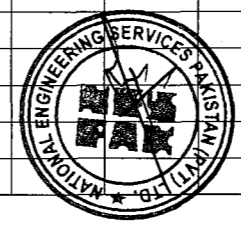
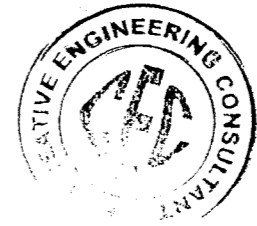
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

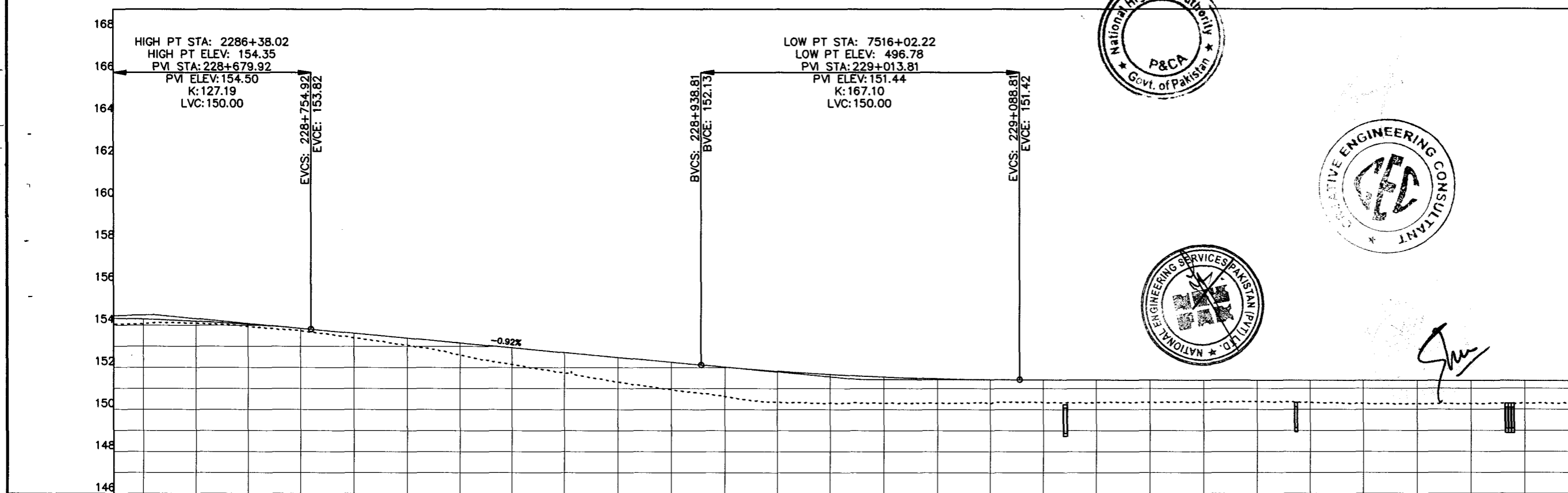
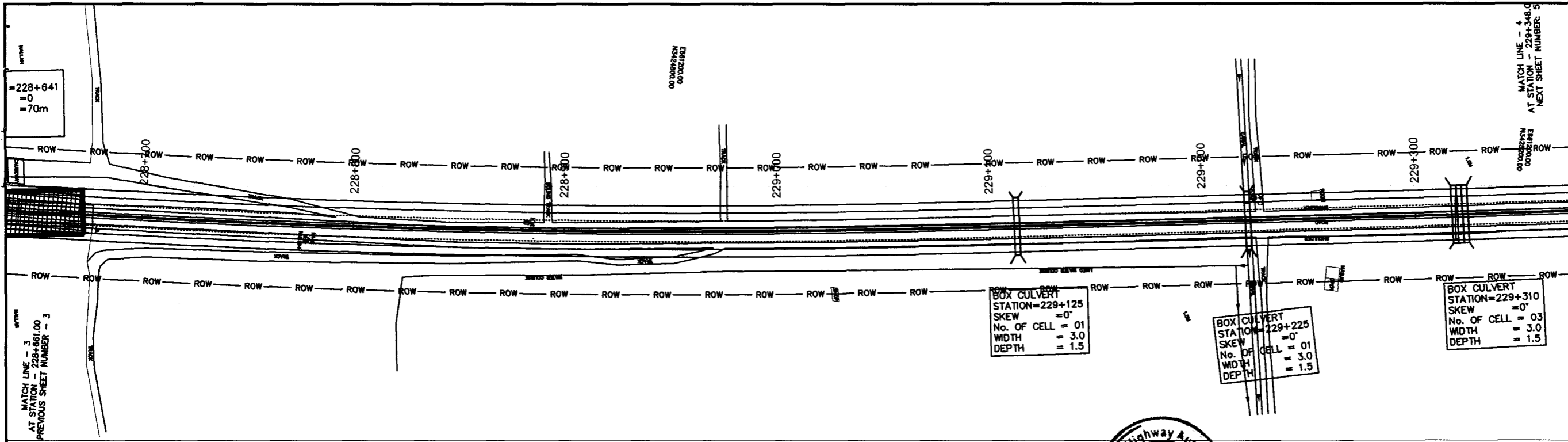
CONSULTANTS:
MINCONSULT SDN BHD In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
227+974.00 - 228+661.00

DESIGN BY:	SHEET NO:
A.S	163 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/024





Station	CH	N.S.L	P.G.L
228+661	154.043	154.332	154.332
228+675	154.069	154.299	154.299
228+700	154.098	154.202	154.202
228+725	153.939	154.055	154.055
228+750	153.743	153.860	153.860
228+775	153.416	153.631	153.631
228+800	153.052	153.401	153.401
228+825	152.601	153.171	153.171
228+850	152.140	152.942	152.942
228+875	151.736	152.712	152.712
228+900	151.310	152.482	152.482
228+925	150.957	152.252	152.252
228+950	150.608	152.026	152.026
228+975	150.350	151.832	151.832
229+000	150.304	151.675	151.675
229+025	150.311	151.555	151.555
229+050	150.302	151.473	151.473
229+075	150.292	151.429	151.429
229+100	150.350	151.418	151.418
229+125	150.327	151.412	151.412
229+150	150.346	151.407	151.407
229+175	150.335	151.402	151.402
229+200	150.380	151.396	151.396
229+225	150.317	151.391	151.391
229+250	150.287	151.386	151.386
229+275	150.269	151.380	151.380
229+300	150.260	151.375	151.375
229+325	150.298	151.369	151.369

NOTES
1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

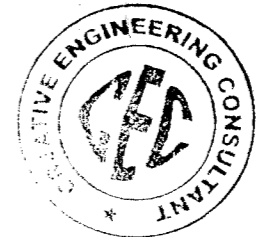
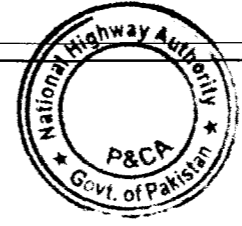
CLIENT:
NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT. SDN BHD
SAMAN CORPORATION
SIBELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

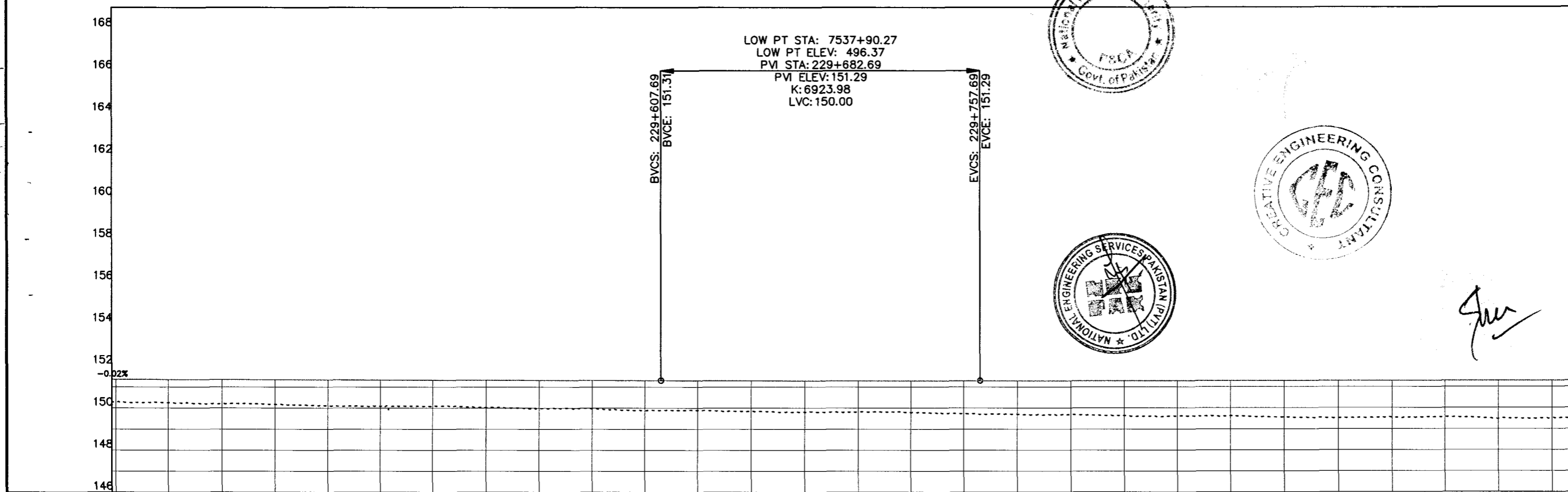
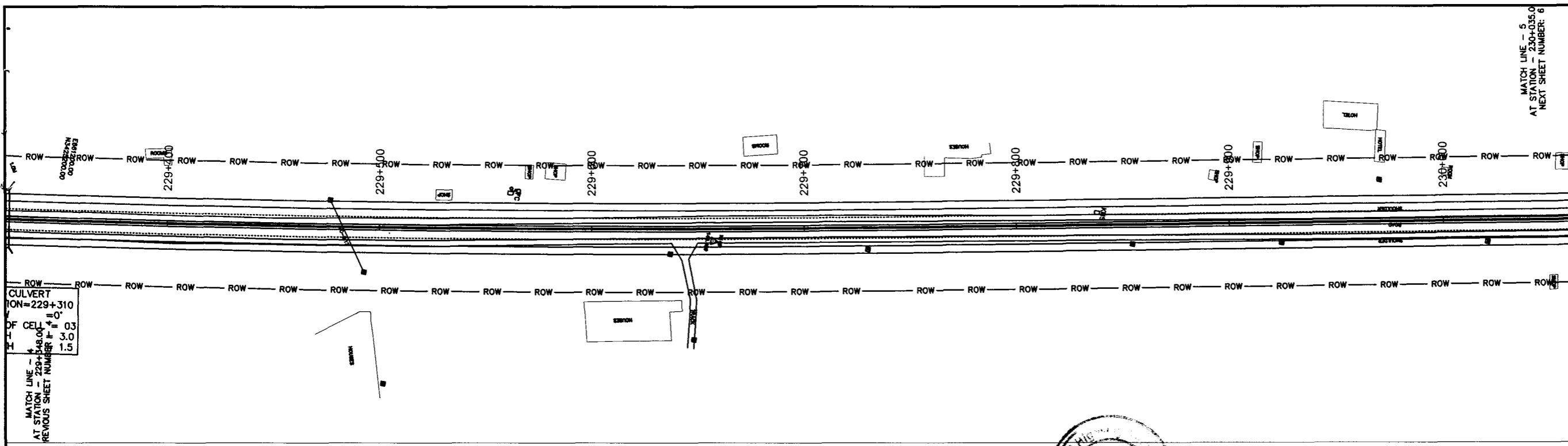
DRAWING TITLE:
PLAN & PROFILE
228+661.00 - 229+348.00

DESIGN BY:	SHEET NO:
A.S	164 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/TIII/024



Signature



Station	CH	N.S.L	P.G.L
229+350	150.277	151.364	151.364
229+375	150.250	151.359	151.359
229+400	150.201	151.353	151.353
229+425	150.176	151.348	151.348
229+450	150.120	151.343	151.343
229+475	150.086	151.337	151.337
229+500	150.095	151.332	151.332
229+525	150.024	151.327	151.327
229+550	149.986	151.321	151.321
229+575	149.969	151.316	151.316
229+600	149.882	151.311	151.311
229+625	149.893	151.306	151.306
229+650	149.847	151.301	151.301
229+675	149.804	151.298	151.298
229+700	149.820	151.295	151.295
229+725	149.785	151.294	151.294
229+750	149.727	151.293	151.293
229+775	149.699	151.293	151.293
229+800	149.672	151.293	151.293
229+825	149.637	151.293	151.293
229+850	149.614	151.293	151.293
229+875	149.627	151.294	151.294
229+900	149.563	151.294	151.294
229+925	149.519	151.294	151.294
229+950	149.546	151.294	151.294
229+975	149.562	151.294	151.294
230+000	149.469	151.294	151.294
230+025	149.506	151.294	151.294

NOTES
1. ALL DIMENSIONS AND ARE IN METERS.

LEGEND

TENDER DRAWINGS		
REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4-LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

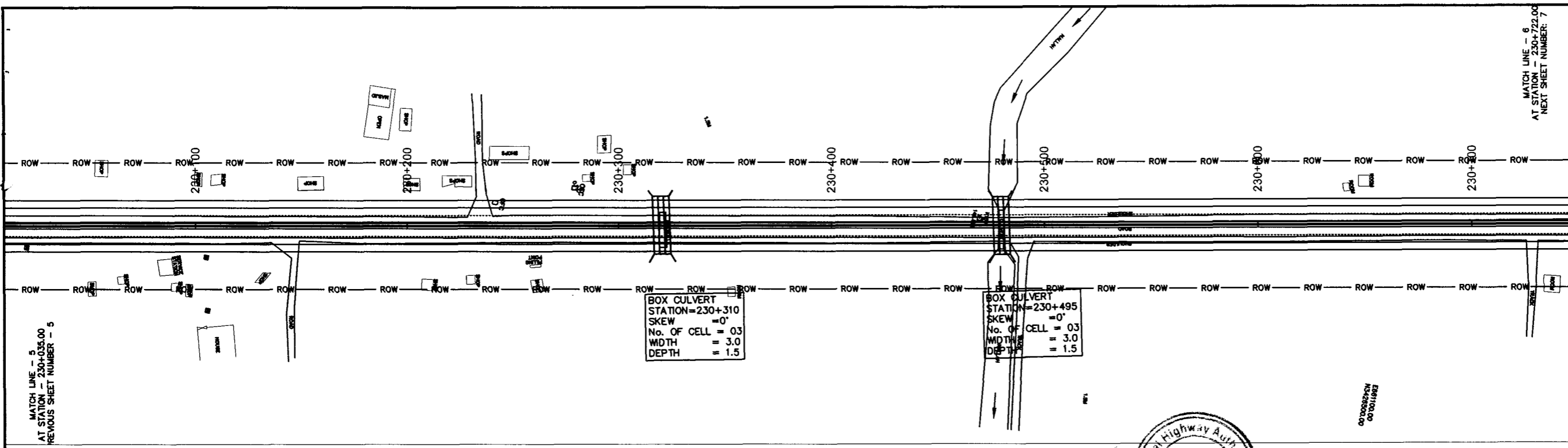
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT. SDN BHD In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
PLAN & PROFILE
229+348.00 - 230+035.00

DESIGN BY:	SHEET NO:
A.S	165 of 170
DRAWN BY:	SCALE:
S.A	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/III/024

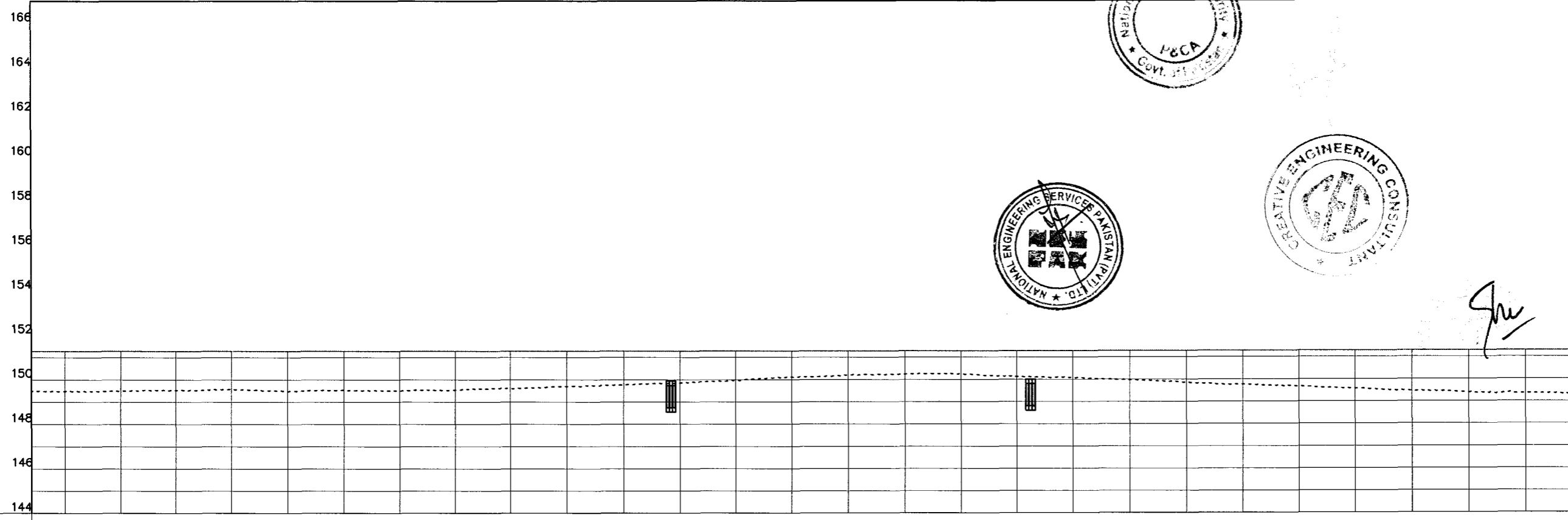


BOX CULVERT
 STATION=230+310
 SKEW = 0°
 No. OF CELL = 03
 WIDTH = 3.0
 DEPTH = 1.5

BOX CULVERT
 STATION=230+495
 SKEW = 0°
 No. OF CELL = 03
 WIDTH = 3.0
 DEPTH = 1.5

MATCH LINE - 5
 AT STATION - 230+035.00
 PREVIOUS SHEET NUMBER - 5

MATCH LINE - 6
 AT STATION - 230+722.00
 NEXT SHEET NUMBER: 7



L=999.19m

CH	230+035	230+050	230+075	230+100	230+125	230+150	230+175	230+200	230+225	230+250	230+275	230+300	230+325	230+350	230+375	230+400	230+425	230+450	230+475	230+500	230+525	230+550	230+575	230+600	230+625	230+650	230+675	230+700
N.S.L	149.488	149.487	149.496	149.532	149.569	149.475	149.541	149.500	149.537	149.617	149.698	149.763	149.854	149.955	150.118	150.191	150.237	150.252	150.128	150.076	149.967	149.870	149.762	149.678	149.563	149.465	149.388	149.352
P.G.L	151.294	151.294	151.294	151.294	151.294	151.294	151.294	151.294	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.295	151.296	151.296	151.296	151.296	151.296	151.296

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

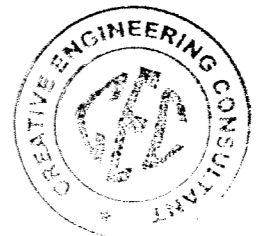
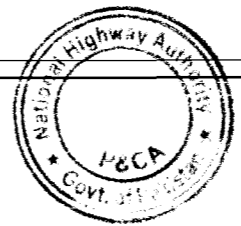
CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

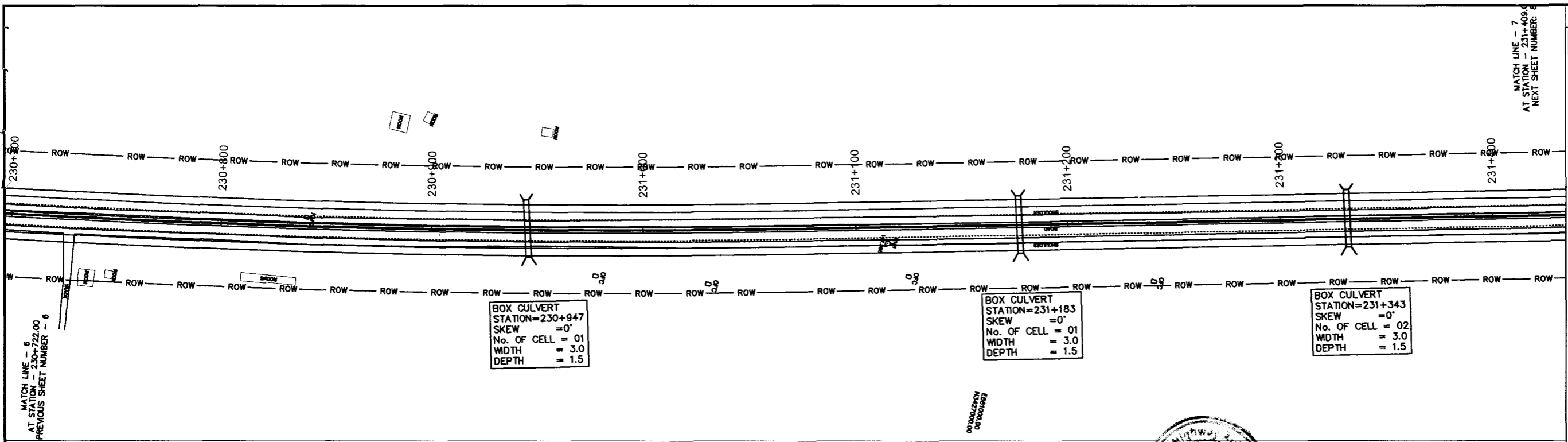
DRAWING TITLE:
 PLAN & PROFILE
 230+035.00 - 230+722.00

DESIGN BY: A.S	SHEET NO: 166 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/TH/024



Jue



MATCH LINE - 6
AT STATION - 230+722.00
PREVIOUS SHEET NUMBER - 6

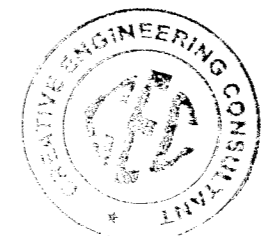
MATCH LINE - 7
AT STATION - 231+409.00
NEXT SHEET NUMBER - 7

BOX CULVERT
STATION=230+947
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.0
DEPTH = 1.5

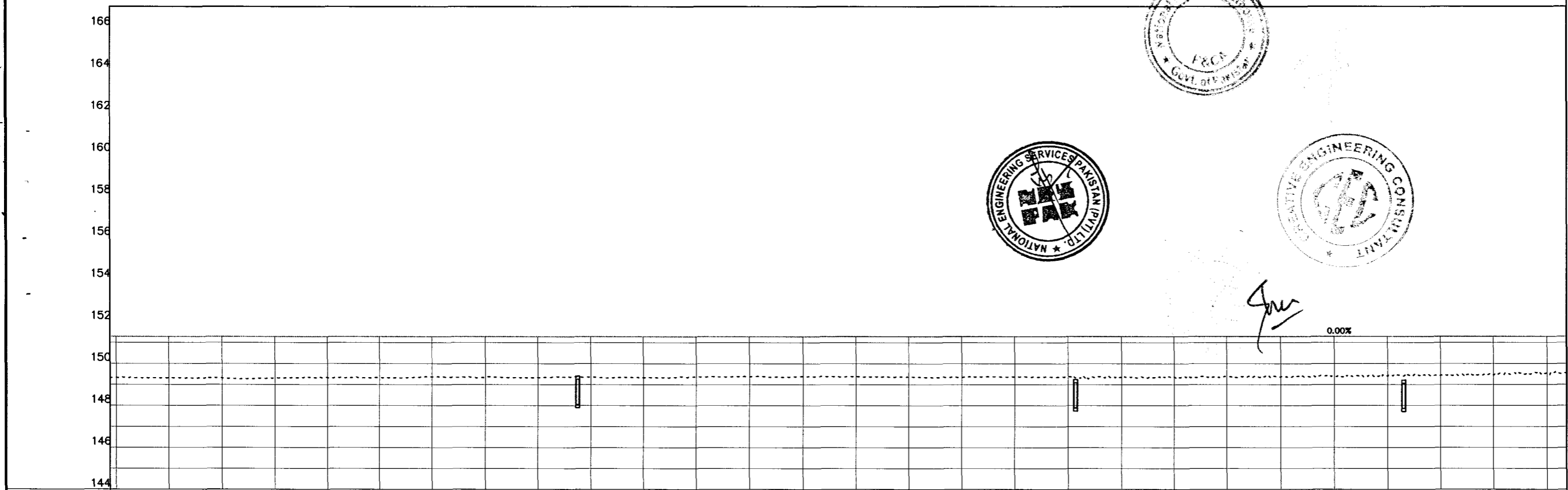
BOX CULVERT
STATION=231+183
SKEW = 0°
No. OF CELL = 01
WIDTH = 3.0
DEPTH = 1.5

BOX CULVERT
STATION=231+343
SKEW = 0°
No. OF CELL = 02
WIDTH = 3.0
DEPTH = 1.5

0.000%
0.000193



Jawad



Station	CH	N.S.L	P.G.L
230+722	149.328	151.296	151.296
230+750	149.317	151.296	151.296
230+775	149.300	151.296	151.296
230+800	149.312	151.296	151.296
230+825	149.328	151.296	151.296
230+850	149.325	151.296	151.296
230+875	149.364	151.296	151.296
230+900	149.355	151.296	151.296
230+925	149.336	151.297	151.297
230+950	149.339	151.297	151.297
230+975	149.331	151.297	151.297
231+000	149.360	151.297	151.297
231+025	149.377	151.297	151.297
231+050	149.388	151.297	151.297
231+075	149.375	151.297	151.297
231+100	149.361	151.297	151.297
231+125	149.334	151.297	151.297
231+150	149.367	151.297	151.297
231+175	149.380	151.297	151.297
231+200	149.354	151.297	151.297
231+225	149.360	151.297	151.297
231+250	149.388	151.297	151.297
231+275	149.374	151.298	151.298
231+300	149.382	151.298	151.298
231+325	149.405	151.298	151.298
231+350	149.436	151.298	151.298
231+375	149.445	151.298	151.298
231+400	149.555	151.298	151.298

NOTES
1- ALL DIMENSIONS AND ARE IN METERS

LEGEND

REV.	REVISION/ISSUE	DATE

PROJECT:
CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

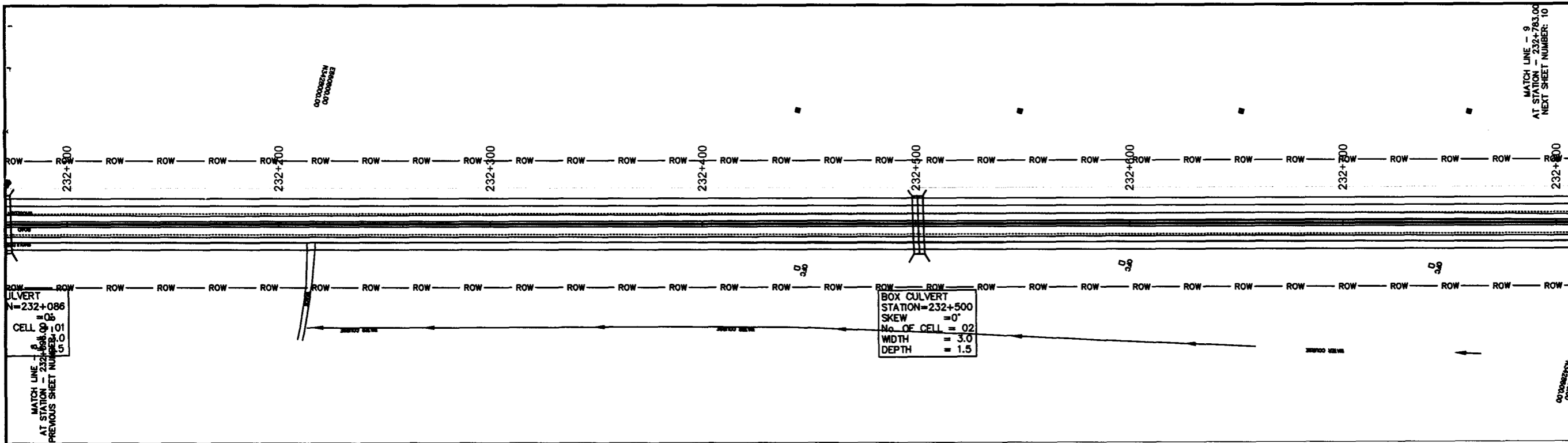
CLIENT:
NHA NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:
MINCONSULT SDN BHD In Joint Venture With
SAMAN CORPORATION
SHELADIA ASSOCIATES
CEC
AAA
ACE
AA
ACC

DRAWING TITLE:
PLAN & PROFILE
230+722.00 - 231+409.00

DESIGN BY:	SHEET NO:
A.S	167 of 170
DRAWN BY:	SCALE:
SA	H = 1:2000 V = 1:100
CHECKED BY:	DATE:
A.S	APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
CEC/CAREC/T/III/024



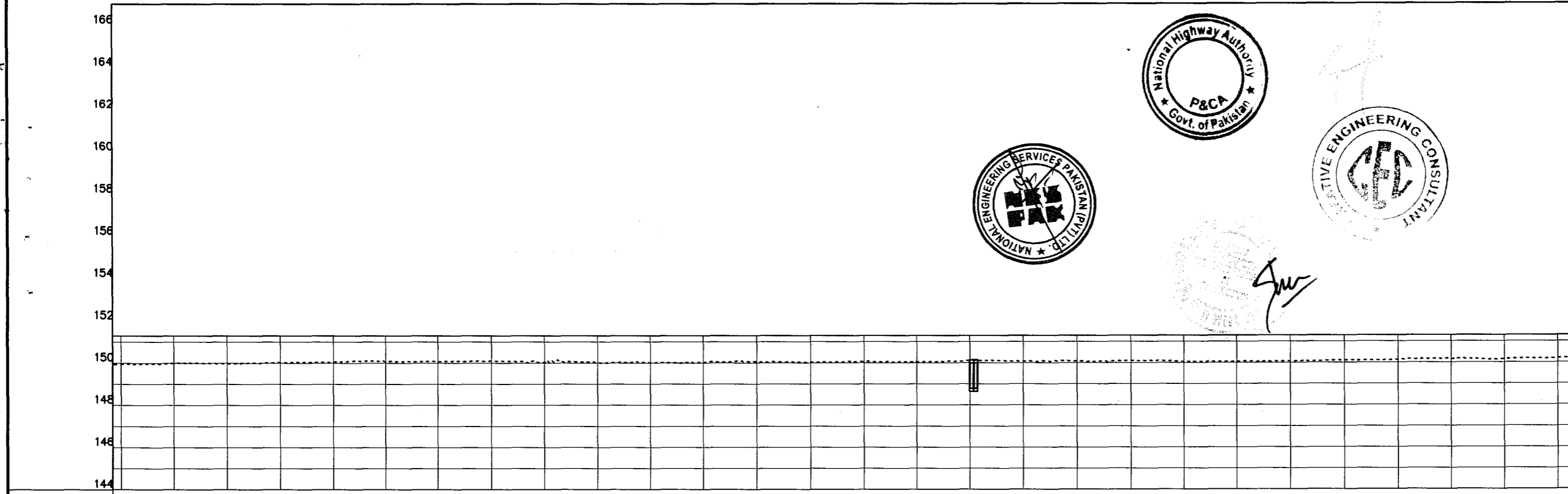
INVERT
 N=232+086
 CELL NO. 101
 MATCH LINE - 9
 AT STATION - 232+783.00
 PREVIOUS SHEET NUMBER: 10

BOX CULVERT
 STATION=232+500
 SKEW = 0°
 No. OF CELL = 02
 WIDTH = 3.0
 DEPTH = 1.5

MATCH LINE - 9
 AT STATION - 232+783.00
 NEXT SHEET NUMBER: 10

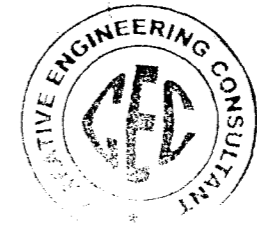
NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND



L=2130.81m

CH	232+086	232+100	232+125	232+150	232+175	232+200	232+225	232+250	232+275	232+300	232+325	232+350	232+375	232+400	232+425	232+450	232+475	232+500	232+525	232+550	232+575	232+600	232+625	232+650	232+675	232+700	232+725	232+750	232+775
P.G.L	151.300	151.300	151.300	151.300	151.300	151.300	151.300	151.300	151.300	151.300	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.301	151.302	151.302	151.302	151.302
N.S.L	148.943	150.000	149.979	150.027	150.041	150.071	150.065	150.109	150.028	150.025	150.014	150.016	150.052	150.025	150.050	150.036	150.102	150.078	150.085	150.066	150.085	150.048	150.056	150.065	150.093	150.132	150.157	150.155	150.199



REV.	REVISION/ISSUE	DATE

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN
 SECTION OF N-55 AS 4- LANE HIGHWAY
 (208 Km)
 PACKAGE-2
 (Km 121+500 TO 233+200)

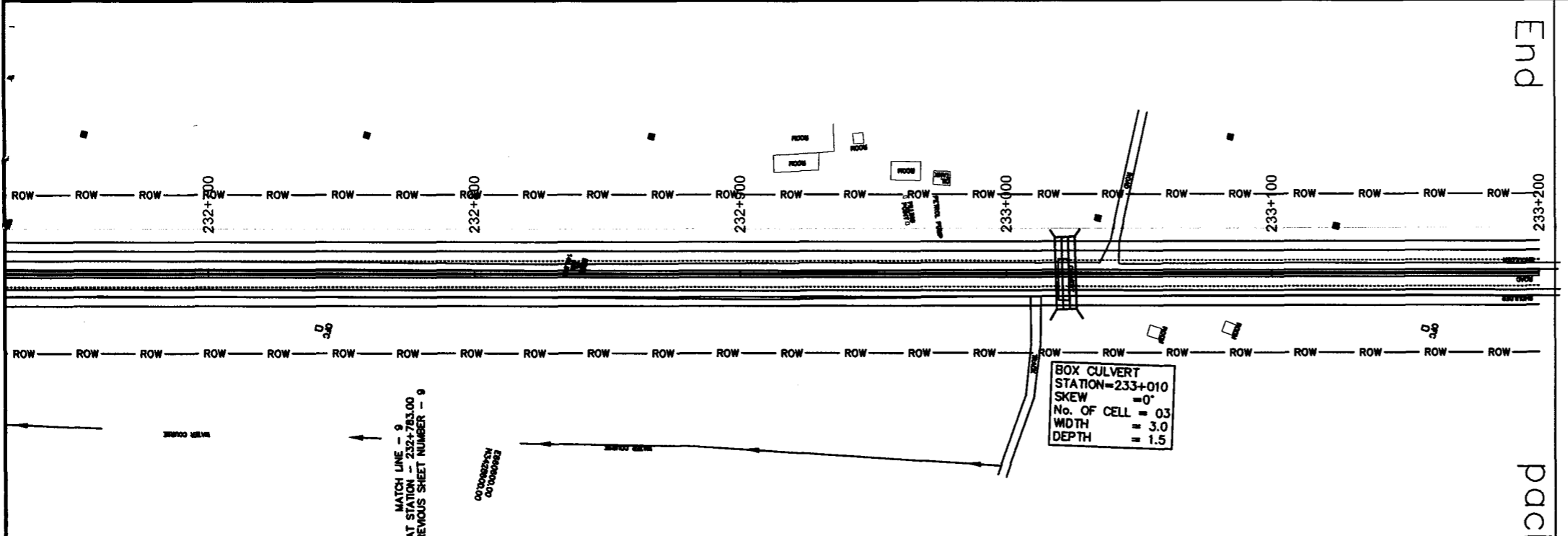
CLIENT:
 NATIONAL HIGHWAYS
 AUTHORITY (NHA)

- CONSULTANTS:**
- MINCONSULT, SDN BHD
In Joint Venture With
 - SAMAN CORPORATION
 - SHELADIA ASSOCIATES
 - CEC
 - AAA
 - ACE
 - AA
 - ACC

DRAWING TITLE:
 PLAN & PROFILE
 232+096.00 - 232+783.00

DESIGN BY: A.S	SHEET NO: 169 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

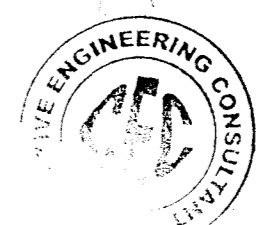
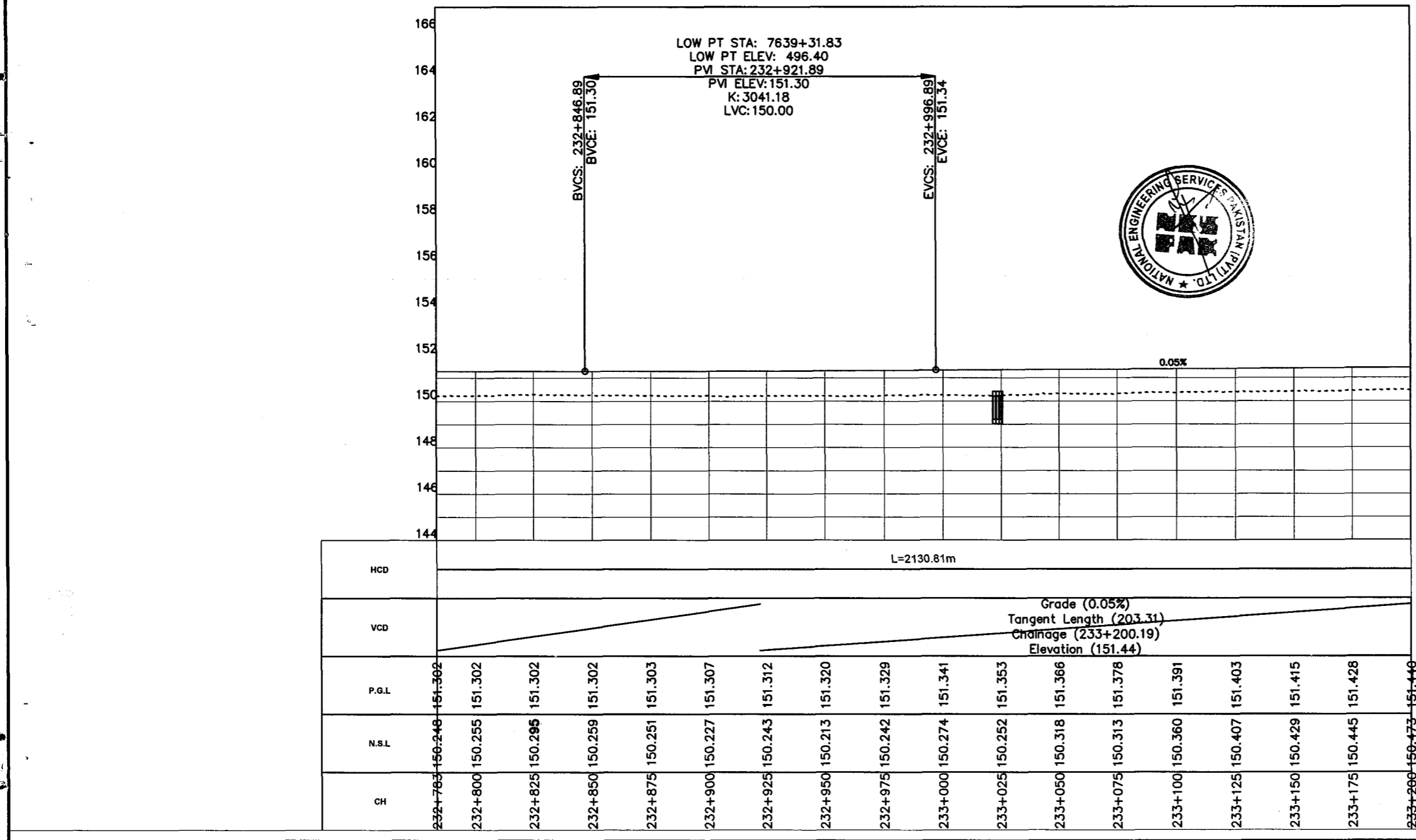
CAD FILE NAME:
 CEC/CAREC/TIII/024



BOX CULVERT
 STATION=233+010
 SKEW = 0°
 No. OF CELL = 03
 WIDTH = 3.0
 DEPTH = 1.5



End
pack
Sect



HCD	L=2130.81m																	
VCD	Grade (0.05%) Tangent Length (203.31) Chainage (233+200.19) Elevation (151.44)																	
P.G.L	232+783	232+800	232+825	232+850	232+875	232+900	232+925	232+950	232+975	233+000	233+025	233+050	233+075	233+100	233+125	233+150	233+175	233+200
N.S.L	150.248	150.255	150.295	150.259	150.251	150.227	150.243	150.213	150.242	150.274	150.252	150.318	150.313	150.360	150.407	150.429	150.445	151.446
CH	151.302	151.302	151.302	151.302	151.303	151.307	151.312	151.320	151.329	151.341	151.353	151.366	151.378	151.391	151.403	151.415	151.428	

NOTES
 1- ALL DIMENSIONS AND ARE IN METERS.

LEGEND

REV.	REVISION/ISSUE	DATE

TENDER DRAWINGS

PROJECT:
 CONSTRUCTION OF DG KHAN - DI KHAN SECTION OF N-55 AS 4- LANE HIGHWAY (208 Km) PACKAGE-2 (Km 121+500 TO 233+200)

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY (NHA)

CONSULTANTS:

- MINCONSULT SDN BHD In Joint Venture With
- SAMAN CORPORATION
- SHELADIA ASSOCIATES
- CEC
- AAA
- ACE
- AA
- ACC

DRAWING TITLE:
 PLAN & PROFILE
 232+783.00 - 233+200.00

DESIGN BY: A.S	SHEET NO: 170 of 170
DRAWN BY: S.A	SCALE: H = 1:2000 V = 1:100
CHECKED BY: A.S	DATE: APRIL, 2024
APPROVED BY:	REVISION:

CAD FILE NAME:
 CEC/CAREC/III/024