

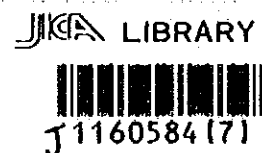


JAPAN INTERNATIONAL COOPERATION AGENCY
THE GOVERNMENT OF THE HASHEMITE KINGDOM OF JORDAN
THE MINISTRY OF TOURISM AND ANTIQUITIES, THE MINISTRY OF PLANNING

DRAFT
TENDER DOCUMENTS FOR CONSTRUCTION
OF
DEAD SEA PARKWAY SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

**VOLUME IV
DRAWINGS**

(1) GENERAL



Pacific Consultants International
Yamashita Sekkei Inc.

August 2000

SSF
JR
00-153

VOLUME IV DRAWINGS
RY





JAPAN INTERNATIONAL COOPERATION AGENCY

THE GOVERNMENT OF THE HASHEMITE KINGDOM OF JORDAN
THE MINISTRY OF TOURISM AND ANTIQUITIES, THE MINISTRY OF PLANNING

DRAFT
TENDER DOCUMENTS FOR CONSTRUCTION
OF
DEAD SEA PARKWAY SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME IV
DRAWINGS
(1) GENERAL

Pacific Consultants International
Yamashita Sekkei Inc.

August 2000



1160584 (7)

LIST OF DRAWINGS

KEY DRAWINGS

DSPW-01 LIST OF DRAWING
 DSPW-02 ABBREVIATIONS AND LEGEND
 DSPW-03 LOCATION MAP
 DSPW-04 TYPICAL CROSS SECTION
 DSPW-05 TYPICAL SUPER ELEVATED SECTION
 DSPW-06 MISCELLANEOUS TABLES
 DSPW-07 TYPICAL EMERGENCY ESCAPE RAMP

PLAN - PROFILE

DSPW-10 KEY PLAN AND GENERAL NOTES FOR PLAN - PROFILE
 DSPW-11 PLAN AND PROFILE Sta. 00+000 - Sta. 00+640
 DSPW-12 PLAN AND PROFILE Sta. 00+640 - Sta. 01+280
 DSPW-13 PLAN AND PROFILE Sta. 01+280 - Sta. 01+920
 DSPW-14 PLAN AND PROFILE Sta. 01+920 - Sta. 02+560
 DSPW-15 PLAN AND PROFILE Sta. 02+560 - Sta. 03+200
 DSPW-16 PLAN AND PROFILE Sta. 03+200 - Sta. 03+840
 DSPW-17 PLAN AND PROFILE Sta. 03+840 - Sta. 04+480
 DSPW-18 PLAN AND PROFILE Sta. 04+480 - Sta. 05+120
 DSPW-19 PLAN AND PROFILE Sta. 05+120 - Sta. 05+760
 DSPW-20 PLAN AND PROFILE Sta. 05+760 - Sta. 06+400
 DSPW-21 PLAN AND PROFILE Sta. 06+400 - Sta. 07+040
 DSPW-22 PLAN AND PROFILE Sta. 07+040 - Sta. 07+680
 DSPW-23 PLAN AND PROFILE Sta. 07+680 - Sta. 08+320
 DSPW-24 PLAN AND PROFILE Sta. 08+320 - Sta. 08+960
 DSPW-25 PLAN AND PROFILE Sta. 08+960 - Sta. 09+600
 DSPW-26 PLAN AND PROFILE Sta. 09+600 - Sta. 10+240
 DSPW-27 PLAN AND PROFILE Sta. 10+240 - Sta. 10+880
 DSPW-28 PLAN AND PROFILE Sta. 10+880 - Sta. 11+520
 DSPW-29 PLAN AND PROFILE Sta. 11+520 - Sta. 11+643.70

DEAD SEA INTERSECTION

DSPW-35 GENERAL
 DSPW-36 GEOMETRIC DESIGN
 DSPW-37 PROFILES
 DSPW-38 MARKING AND SIGNING
MAI'N INTERSECTION
 DSPW-40 GENERAL
 DSPW-41 GEOMETRIC DESIGN
 DSPW-42 PROFILES
 DSPW-43 MARKING AND SIGNING

PARKWAY FACILITY

DSPW-45 GENERAL
 DSPW-46 GEOMETRIC DESIGN
 DSPW-47 PROFILES
 DSPW-48 MARKING AND SIGNING
 DSPW-49 LANDSCAPING AND STORM WATER DRAINAGE DETAILS (1 OF 2)
 DSPW-50 LANDSCAPING AND STORM WATER DRAINAGE DETAILS (2 OF 2)

STRUCTURES

GENERAL

DSPW-60 GENERAL STRUCTURAL NOTES AND DETAILS
 DSPW-61 RETAINING WALL JOINT AND BACKFILL DRAINS DETAILS
 DSPW-62 T-SHAPE RETAINING WALL
 DSPW-63 T-SHAPE RETAINING WALL WITH SLOPED EMBANKMENT
 DSPW-64 L-SHAPE RETAINING WALL
 DSPW-65 GABION DETAILS

WADI ABU EL-ASAL BRIDGE

DSPW-70 GENERAL PLAN AND ELEVATION
 DSPW-71 FOUNDATION PLAN
 DSPW-72 ABUTMENT DETAILS
 DSPW-72' ABUTMENT REINFORCEMENT DETAILS
 DSPW-73 PIERS DETAILS
 DSPW-74 PRESTRESSED GIRDERS PLAN
 DSPW-75 PRESTRESSED GIRDERS DETAILS
 DSPW-76 DIAPHRAGMS SECTIONAL PLAN DETAILS

WADI HIMARA BRIDGE

DSPW-80 GENERAL PLAN AND ELEVATION
 DSPW-80' R.W. HEIGHTS BEHIND ABUTMENTS
 DSPW-81 FOUNDATION PLAN
 DSPW-82 ABUTMENT DETAILS
 DSPW-82' ABUTMENT REINFORCEMENT DETAILS
 DSPW-83 PIERS DETAILS
 DSPW-84 PRESTRESSED GIRDERS PLAN
 DSPW-85 PRESTRESSED GIRDERS DETAILS
 DSPW-86 DIAPHRAGMS SECTIONAL PLAN DETAILS

BRIDGES GENERAL DETAILS

DSPW-90 DECK SLAB DETAILS
 DSPW-91 PRESTRESSED GIRDER DETAILS AND GIRDER DIAPHRAGM OPENINGS
 DSPW-92 DIAPHRAGMS DETAILS
 DSPW-93 MISCELLANEOUS DETAILS

DRAINAGE

DSPW-100 GENERAL CULVERT AND EMBANKMENT PROTECTION DETAILS
 DSPW-101 SINGLE CELL BOX CULVERT & MISCELLANEOUS DRAINAGE DETAILS
 DSPW-102 PIPE CULVERT DETAILS
 DSPW-103 WING WALLS DETAILS
 DSPW-104 TYPICAL CULVERT ENERGY DISSIPATER (1 OF 2)
 DSPW-105 TYPICAL CULVERT ENERGY DISSIPATER (2 OF 2)
 DSPW-106 CHECK DAMS AND CHANNELS DETAILS
 DSPW-107 MISCELLANEOUS DRAINAGE TABLES

SIGNING

DSPW-115 TRAFFIC SIGNS SCHEDULE
 DSPW-116 WARNING, REGULATORY, AND MANDATORY SIGNS
 DSPW-117 INFORMATIVE SIGNS (1 OF 3)
 DSPW-118 INFORMATIVE SIGNS (2 OF 3)
 DSPW-119 INFORMATIVE SIGNS (3 OF 3)
 DSPW-120 LETTERING SIZE DETAILS
 DSPW-121 SIGN SUPPORT DETAILS
 DSPW-122 ROAD MARKING DETAILS

MISCELLANEOUS DETAILS

DSPW-130 SINGLE GUARD RAIL, TILING & CURB STONE DETAILS
 DSPW-131 STEEL BRIDGE PARAPET

RETAINING WALL ELEVATIONS

DSPW-135 RETAINING WALL ELEVATIONS (1 OF 5)
 DSPW-136 RETAINING WALL ELEVATIONS (2 OF 5)
 DSPW-137 RETAINING WALL ELEVATIONS (3 OF 5)
 DSPW-138 RETAINING WALL ELEVATIONS (4 OF 5)
 DSPW-139 RETAINING WALL ELEVATIONS (5 OF 5)

Project: Tourism Sector Development Project in the Hashemite Kingdom of Jordan	
Executing Agency: The Ministry of Tourism and Antiquities The Ministry of Planning	
SUB-PROJECT: Dead Sea Parkway	
Note: This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.	
Designed by: Japan International Cooperation Agency (JICA) JICA Study Team: Joint Venture of Pacific Consultants International and Yamasita Sekkel Inc.	
Subcontracted Local Consultant:  consolidated consultants engineering & environment Tel: 0112277 - Fax: 0112278 - Amman - Jordan	
Drawing Title: LIST OF DRAWINGS	
Scale: NOT TO SCALE	Drawing No.: DSPW-01

ABBREVIATIONS

ALTERNATE	ALT.	MEDIAN	MED.
AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	AASHTO	METER	m.
AMERICAN SOCIETY FOR TESTING OF MATERIALS	ASTM	MILLIMETER	mm.
ASPHALT BINDER COURSE	ASPHALT B.C	MINIMUM	Min.
ASPHALT WEARING COURSE	ASPHALT W.C	MINISTRY OF TOURISM AND ANTIQUITIES	MOTA
AT	⊙	MINISTRY OF PUBLIC WORKS AND HOUSING	MPWH
BENCH MARK	B.M.	NATURAL GROUND LEVEL	N.G.L.
BOX CULVERT	B.C.	NORMAL CROWN	N.C.
CALIFORNIA BEARING RATIO	CBR	NORTHING	N
CENTER LINE	⊕	NOT TO SCALE	N.T.S.
CENTER POINT OF CIRCULAR CURVE	C.P.	NUMBER	No., #
CENTIMETER	CMS.	PERCENTAGE	%
CONCRETE	CONC.	PIPE CULVERT	P.C.
CUBIC METER	CU.M	POINT OF HORIZONTAL INTERSECTION	P.I.
CONSTRUCTION JOINT	C.JT.	POINT OF VERTICAL INTERSECTION	P.V.I.
DIAMETER	DIA. ⌀	PROFILE DESIGN LINE	P.D.L.
DRAWING	DWG.	RADIUS	R
DROP INLET	D.I.	RAILROAD	R.R.
EASTING	E	REINFORCED CONCRETE	R.C.
EMBANKMENT	Emb	RETAINING WALL	R.W.
ELECTRICITY POLE	E.P.	REINFORCEMENT	REINF.
ELEVATION	ELEV.	RIGHT	RT.
EXCAVATION	EXC.	RIGHT HAND SIDE	R.H.S.
EXPANSION JOINT	EXP.JT.	RIGHT-OF-WAY	R.O.W
GRADIENT	g	ROUNDING	RND.
GUARDRAIL	G.R	SHOULDER	SHLD
HIGH TENSION ELECTRICITY LINE	H.T.	SIDE WALK	S.W.
HIGHWAY	HWY.	SPACING	SP.
HORIZONTAL	HOR.	SPILLWAY	S .
INVERT	INV.	SQUARE METER	Sq.m.
INVERT ELEVATION	I.E.	STATION	STA
KILOMETER	Km.	STRAIGHT	STR.
LEFT	LT.	SYMMETRICAL	SYM.
LEFT HAND SIDE	L.H.S.	TYPICAL	TYP.
LENGTH	L	VERTICAL	VER.
LINEAR METER	Lm.	WIDTH	W.
MAXIMUM	MAX.	WINGWALL	W.W.

LEGEND

PLAN	
BENCH MARK	⊙
CENTER LINE	---
EXISTING CONSTRUCTION	---
EXISTING FENCE	---+---+---+---
EMBANKMENT PROTECTION (EM.P)	
HEADWALL	⊥
POINT OF INTERSECTION	△
RIGHT -OF- WAY LINE	---
R.C. BOX CULVERT	⊥
R.C. PIPE CULVERT	⊥
CULVERT WINGWALL	⊥
DROP INLET	⊥
GROUTED RIP-RAP V-DITCH	
R.C. RETAINING WALL (R.W.)	⊥
EXISTING GUARD-RAIL	---
NEW GUARD-RAIL (G.R.)	---
TRAFFIC SIGN	⊥
CHEVRON SIGN (W5-0)	⊥
MANHOLE	⊙
RURAL PALM TREE	⊙
PROFILE	
BYCS & EVCS	⊥
BOX CULVERT	⊥
PIPE CULVERT	⊙
N.G.L	---
P.V.I	△

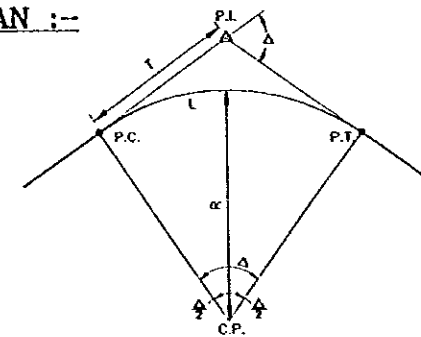
HORIZONTAL CURVE DATA

DISTANCE OF S.C. OR C.S. ALONG THE MAIN TANGENT WITH REFERENCE TO T.S OR S.T	X
DISTANCE OF S.C. OR C.S. PERPENDICULAR TO THE MAIN TANGENT WITH REFERENCE TO T.S OR S.T	Y
DEFLECTION ANGLE OF CIRCULAR CURVE	Δ
DEFLECTION ANGLE OF SPIRAL CURVE.	Δ _S
FULL DEFLECTION ANGLE	Δ _f
LENGTH OF HORIZONTAL CIRCULAR CURVE	L, L _c
LENGTH OF TRANSITION CURVE(CLOTHOID)	L _s
LONG TANGENT OF TRANSITION CURVE	L _{tan}
POINT OF CURVATURE	P.C.
POINT OF CIRCULAR CURVE TO SPIRAL CURVE	C.S.
POINT OF TANGENCY	P.T.
POINT OF SPIRAL CURVE TO CIRCULAR CURVE	S.C.
POINT OF SPIRAL CURVE TO TANGENT	S.T.
POINT OF TANGENT TO SPIRAL CURVE	T.S.
POINT OF REVERSE CURVE	PRC
RADIUS	R.
SHORT TANGENT OF TRANSITION CURVE	Stan
SUPER ELEVATION RATE	S.E., e
TANGENT	T, T _c

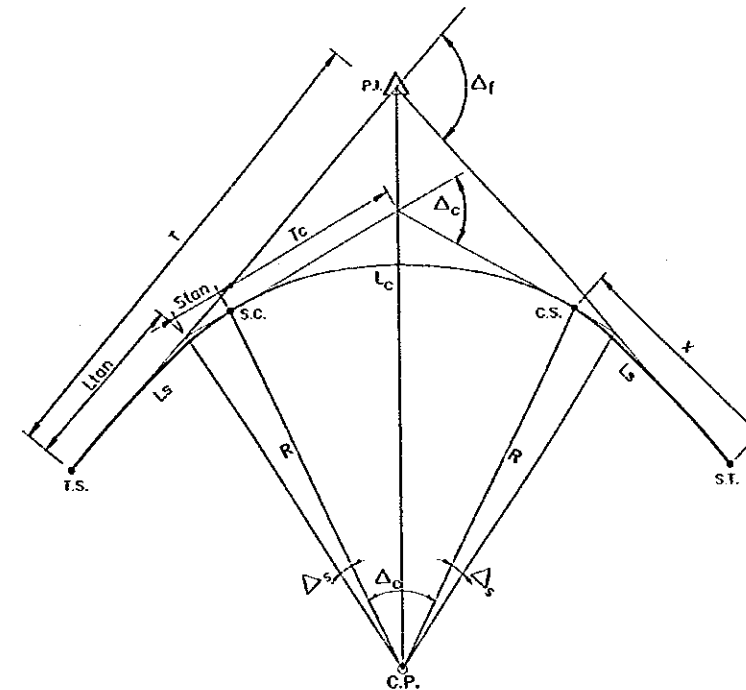
VERTICAL CURVE DATA

ARITHMETIC DIFFERENCE IN GRADES	A.D.
BEGINNING OF VERTICAL CURVE ELEVATION	BYCE
BEGINNING OF VERTICAL CURVE STATION	BYCS
END OF VERTICAL CURVE ELEVATION	EVCE
END OF VERTICAL CURVE STATION	EVCS
POINT OF VERTICAL INTERSECTION	P.V.I
LENGTH OF VERTICAL CURVE	L

PLAN :-

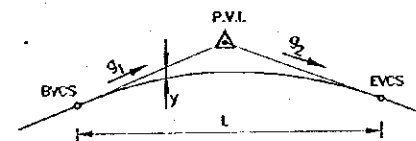


CIRCULAR HORIZONTAL CURVE COMPONENT ILLUSTRATION



CLOTHOID SPIRAL-CIRCULAR CURVE COMPONENT ILLUSTRATION

PROFILE :-



PARABOLIC VERTICAL CURVE COMPONENT ILLUSTRATION

Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

Note:
This detailed design has been executed by
a team of consultants as shown below in
accordance with the agreement between
Japan International Cooperation Agency
(JICA) and JICA Study Team.
The copyright of this drawing rests with JICA.

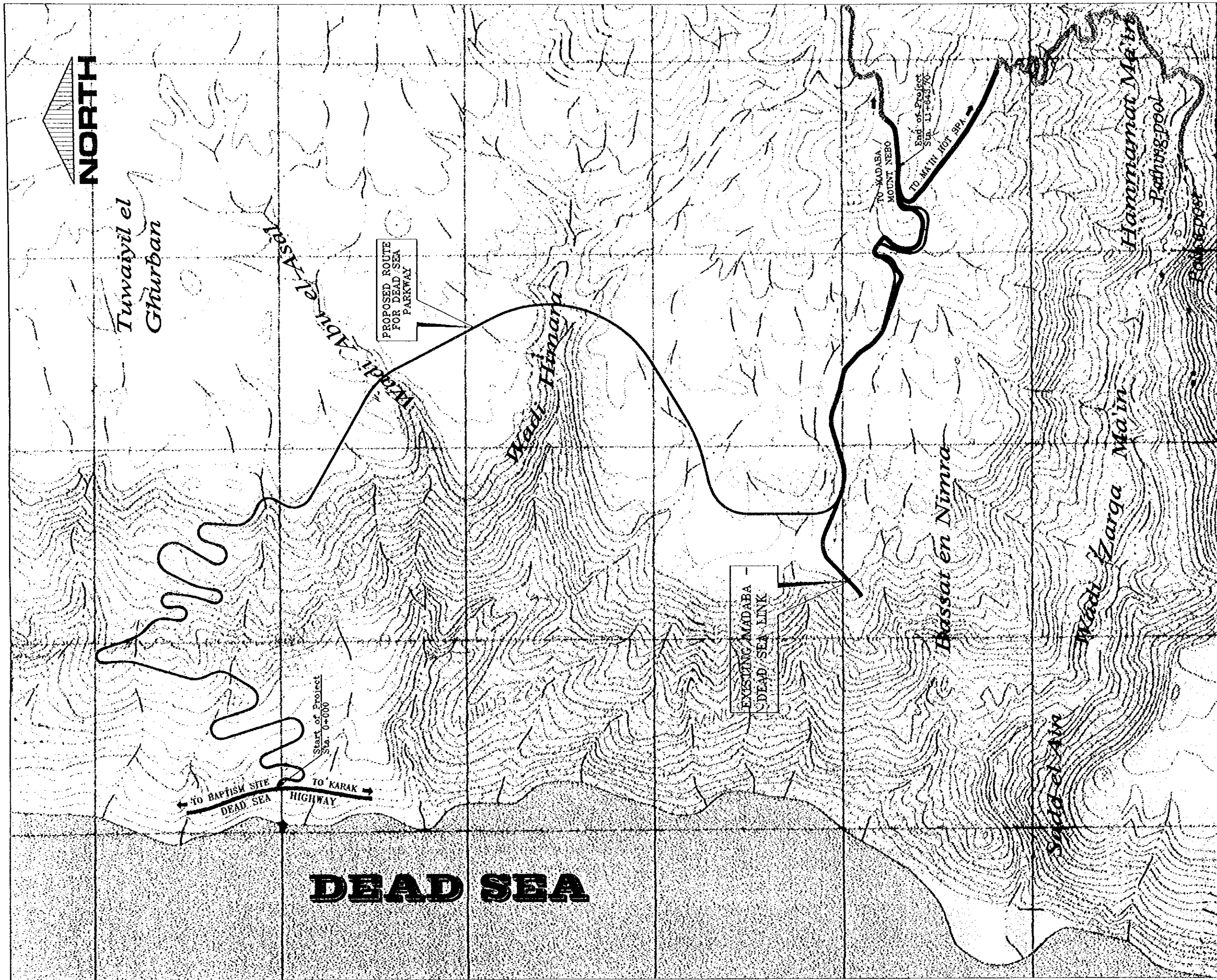
Designed by:
Japan International Cooperation
Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamasita Sekkel Inc.

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 9612577 - Fax: 9612580 - AMM - JORDAN

Drawing Title:
ABBREVIATIONS & LEGEND

Scale: NOT TO SCALE Drawing No.: DSPW-02



Tuwayil el
Ghurban

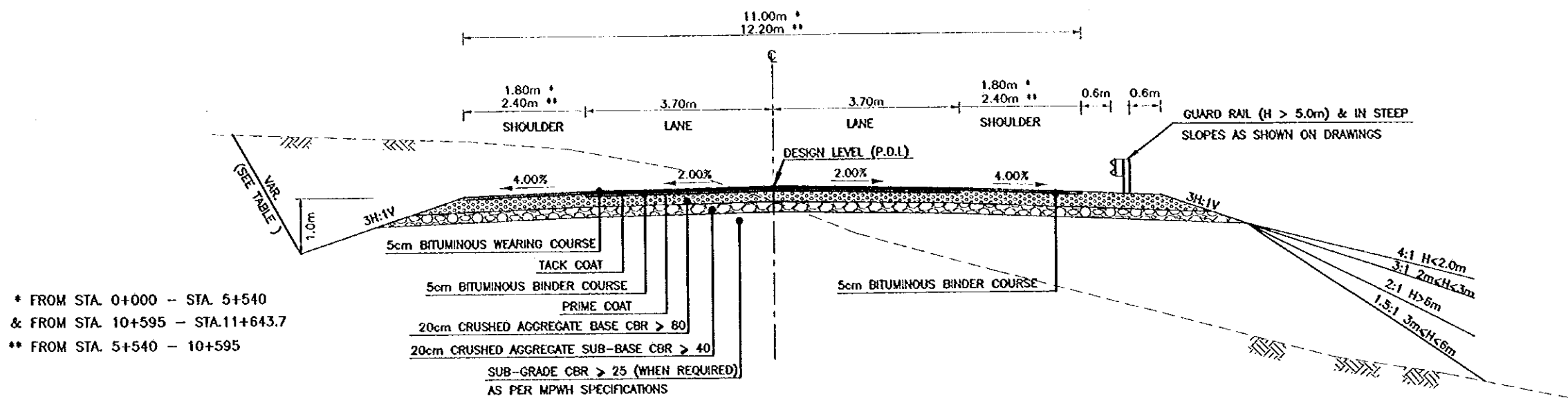
DEAD SEA

PROPOSED ROUTE
FOR DEAD SEA
PARKWAY

EXISTING MADABA -
DEAD/SEA LINK

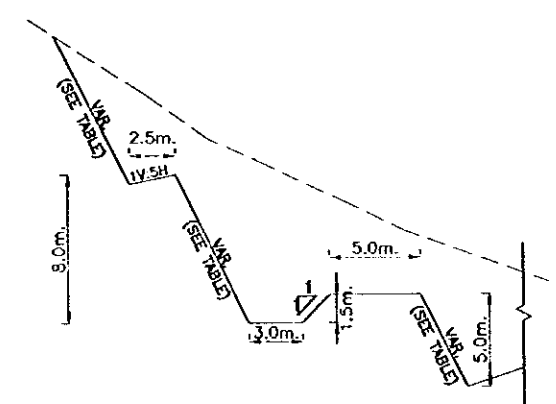
TO MADABA /
MOUNT NEBO
End of Project
Sta. 11+643.70
TO MA'IN HOT SPA

Project:	
Tourism Sector Development Project in the Hashemite Kingdom of Jordan	
Executing Agency:	
The Ministry of Tourism and Antiquities The Ministry of Planning	
SUB-PROJECT:	
Dead Sea Parkway	
Note:	
This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.	
Designed by:	
Japan International Cooperation Agency (JICA)	
JICA Study Team:	
Joint Venture of Pacific Consultants International and Yamasita Sekkel Inc.	
Subcontracted Local Consultant:	
 consolidated consultants engineering & construction Tel. 012377 - Fax. 012360 - AMNH - JORDAN	
Drawing Title:	
KEY LOCATION PLAN	
Scale:	Drawing No.:
NOT TO SCALE	DSPW-03

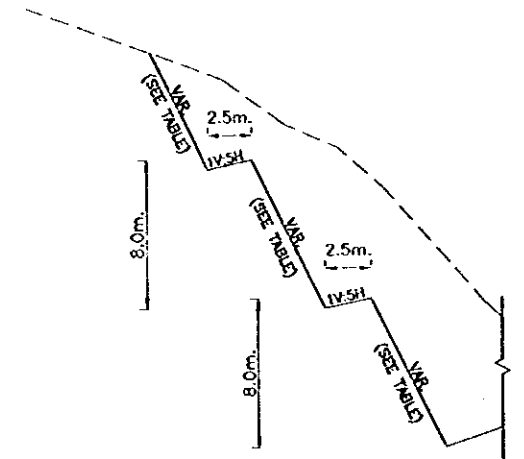


* FROM STA. 0+000 - STA. 5+540
& FROM STA. 10+595 - STA.11+643.7
** FROM STA. 5+540 - 10+595

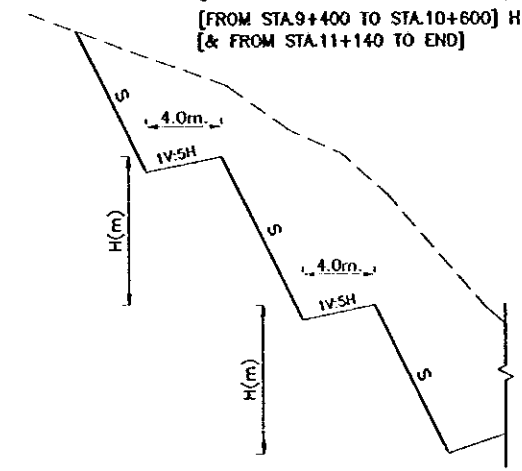
TYPICAL ROAD SECTION
SCALE 1:50



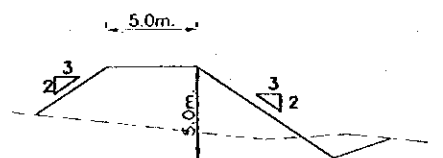
ROCK FALL SECTION IN CUT (see note 4)
SCALE 1:200



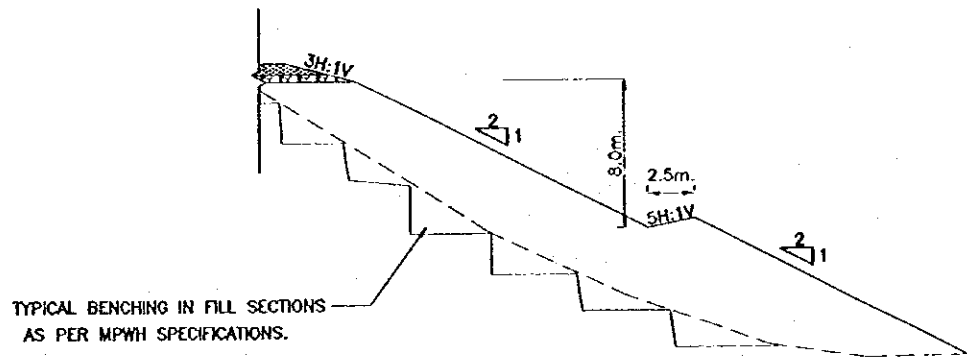
STEPPED SECTION IN CUT (see note 2)
FROM STA. 0+000 TO STA. 9+400
SCALE 1:200



STEPPED SECTION IN CUT (see note*)
FROM STA. 9+400 TO STA. 11+643.70
SCALE 1:200



ROCK FALL SECTION IN FILL (see note 4)
SCALE 1:200



STEPPED SECTION IN FILL (see note 6)
SCALE 1:200

TYPICAL BENCHING IN FILL SECTIONS
AS PER MPWH SPECIFICATIONS.

NOTE*
[FROM STA.10+600 TO STA.11+140] H=8.0m & S=1H:1V
[FROM STA.9+400 TO STA.10+600] H=12.0m & S=0.5H:1V
[& FROM STA.11+140 TO END]

PROPOSED CUT SLOPES TABLE

TYPE OF MATERIAL	PROPOSED * CUT SLOPE
TALUS DEPOSIT	1H : 1V
LUSAN SAND , MARL	1.3H : 1V
WEATHERED SANDSTONE	1H : 1V
SANDSTONE	0.5H : 1V

* SEE RELEVANT CROSS-SECTIONS & NOTE (2)

- NOTES:-**
- FOR PROPOSED SLOPES REFER TO CROSS-SECTIONS DRAWINGS.
 - THE PROPOSED CUT SLOPES MIGHT BE REVISED DEPENDING ON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION WHICH SHALL BE CARRIED OUT BY THE CONTRACTOR. THE SLOPES MIGHT ALSO BE REVISED BY THE ENGINEER TO SUIT SITE CONDITIONS.
 - FOR STEEP AREAS 2H :1V EMBANKMENT SLOPES SHALL BE USED EVEN IF (H) IS LESS THAN 6.0m.
 - FOR LOCATIONS OF ROCK FALL ZONES SEE TABLES IN DRAWING NO. DSPW-06
 - ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - EARTHWORKS RESULTING FROM BENCHING IN FILL SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. THE COST OF BENCHING SHALL BE BORN BY OTHER PAY ITEMS IN THE BOQ.

Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

Note:
This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team.
The copyright of this drawing rests with JICA.

Designed by:
Japan International Cooperation Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamamoto Sekkel Inc.

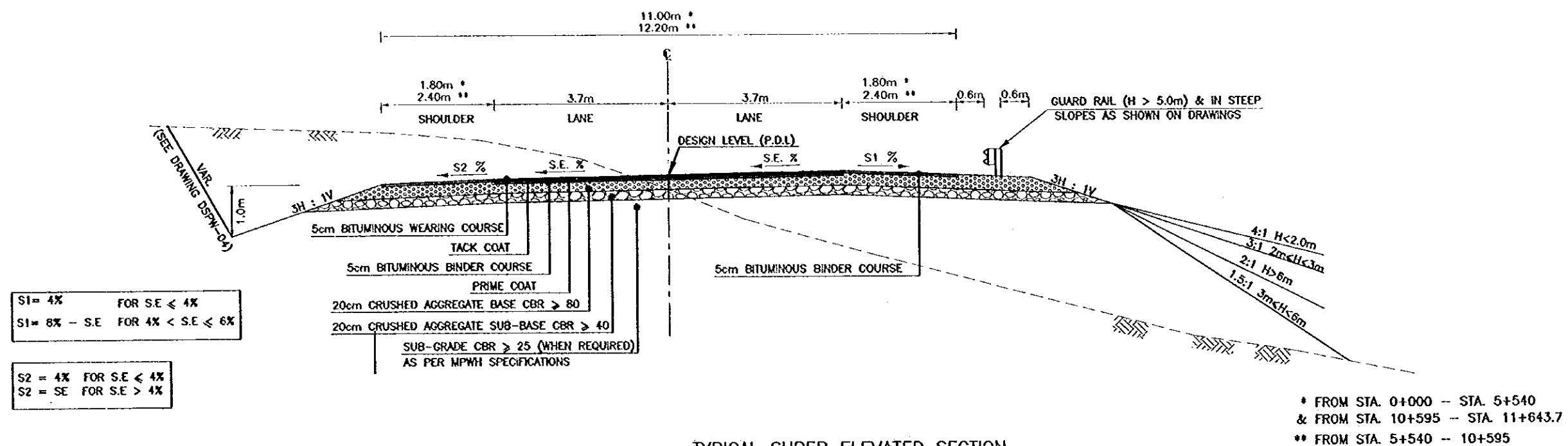
Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 0112377 - Fax: 0112388 - AMMAN - JORDAN

Drawing Title:
TYPICAL CROSS-SECTION

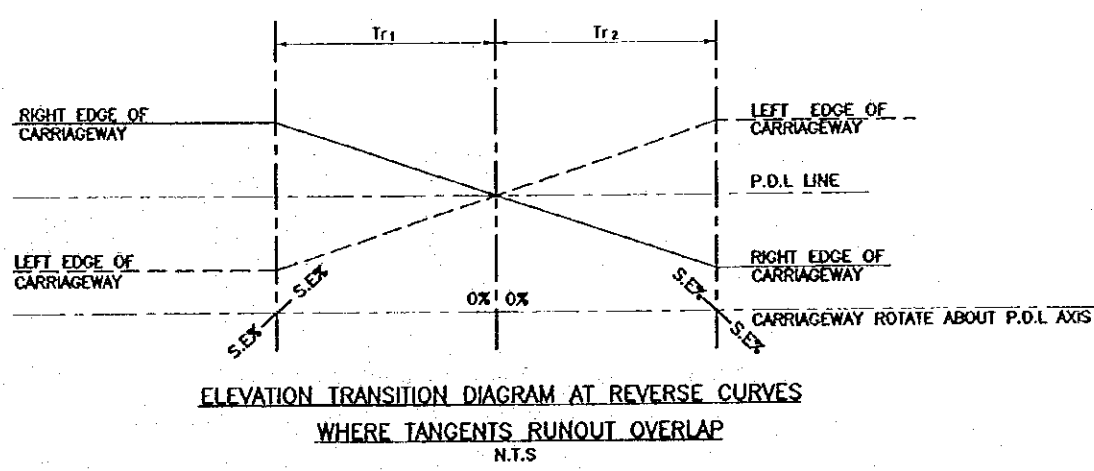
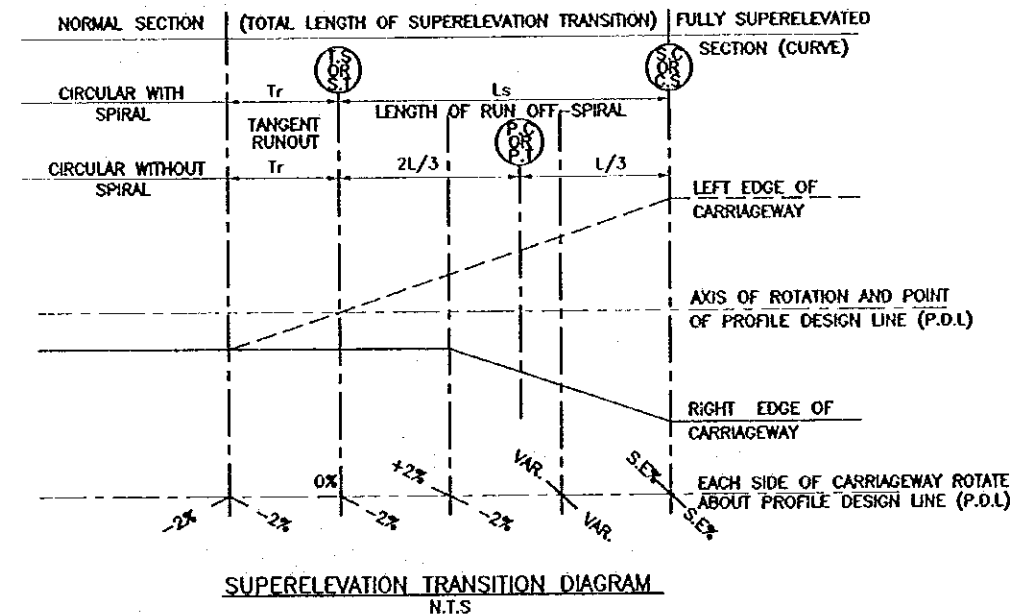
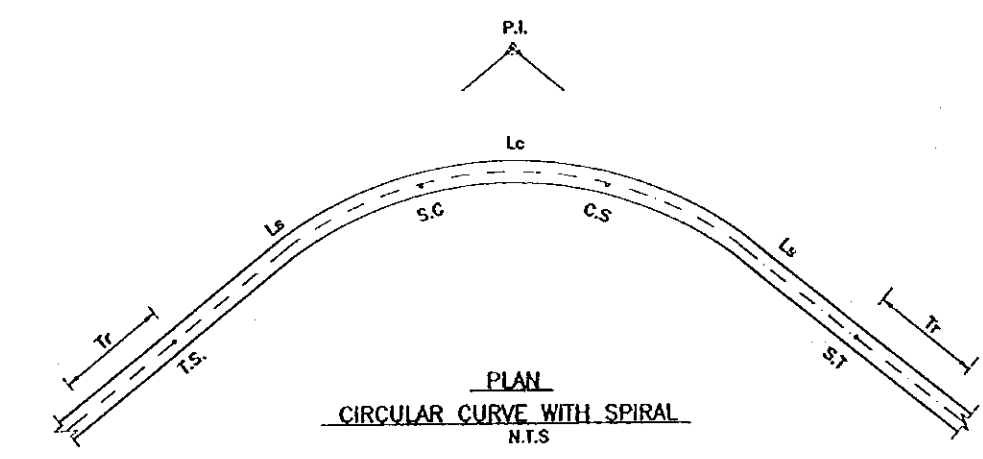
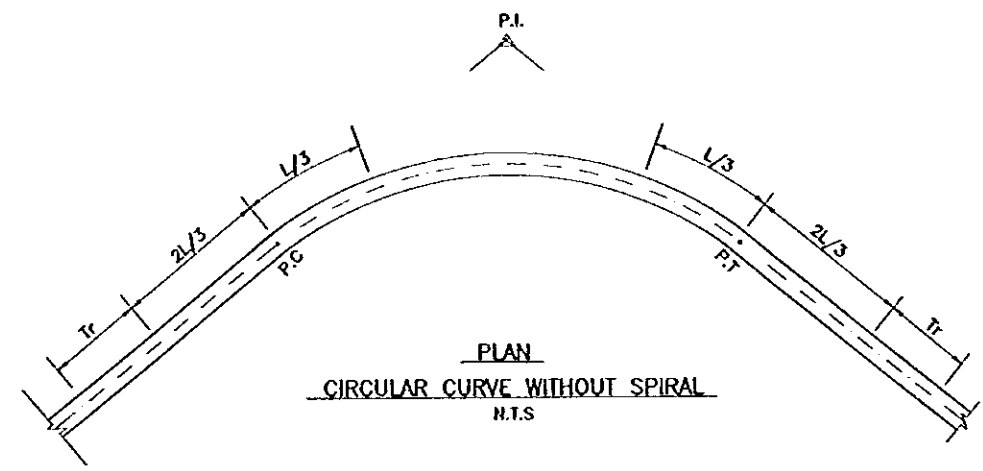
Scale:
AS SHOWN

Drawing No.:
DSPW-04

- NOTES:-**
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2) FOR EMBANKMENT CUT & FILL SLOPES SEE DRAWING No. DSPW - 04
 - 3) IN SUPERELEVATION DIAGRAMS, CONTINUOUS LINE IS ALWAYS USED FOR THE RIGHT EDGE OF THE CARRIAGEWAY WHILE THE DASHED LINE IS USED FOR THE LEFT EDGE.



TYPICAL SUPER ELEVATED SECTION
SCALE 1:50



Project: Tourism Sector Development Project in the Hashemite Kingdom of Jordan

Executing Agency: The Ministry of Tourism and Antiquities, The Ministry of Planning

SUB-PROJECT: Dead Sea Parkway

Note: This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

Designed by: Japan International Cooperation Agency (JICA)

JICA Study Team: Joint Venture of Pacific Consultants International and Yamashita Sekkei Inc.

Subcontracted Local Consultant: consolidated consultants engineering & environment Tel: 0112377 - Fax: 0112380 - AMM - JORDAN

Drawing Title: TYPICAL SUPERELEVATED SECTION

Scale: AS SHOWN **Drawing No.:** DSPW-05

WIDENING TABLE

START OF WIDENING	ATTAINMENT OF FULL WIDENING	(W) VALUE	END OF FULL WIDENING	END OF WIDENING
0+108.82	0+148.82	3.20	0+212.45	0+212.45
0+280.37	0+320.37	0.80	0+340.37	0+380.37
0+380.37	0+420.37	3.20	0+479.62	0+519.62
0+662.84	0+717.84	1.70	0+844.44	0+899.44
1+211.94	1+261.94	2.00	1+368.44	1+418.44
1+552.15	1+602.15	1.70	1+690.27	1+740.27
1+836.33	1+886.33	1.20	1+922.43	1+972.43
1+973.60	2+023.60	0.80	2+062.24	2+112.24
2+530.39	2+570.39	3.00	2+632.61	2+672.61
2+938.34	2+978.34	1.20	3+022.42	3+062.42
3+095.42	3+135.42	3.00	3+213.42	3+253.42
3+268.42	3+308.42	3.00	3+385.69	3+425.69
3+628.78	3+668.78	3.20	3+738.78	3+778.78
4+017.84	4+067.84	1.40	4+273.59	4+323.59
4+473.78	4+513.78	2.20	4+634.83	4+674.83
4+725.17	4+765.17	2.25	4+855.87	4+895.87
4+995.74	5+045.74	1.00	5+128.47	5+178.47
5+178.47	5+223.47	1.70	5+276.47	5+321.47
5+340.00	5+390.00	1.00	5+494.83	5+544.83
8+553.56	8+633.56	0.60	8+819.08	8+899.08
9+179.66	9+259.66	0.90	9+356.92	9+436.92
9+439.92	9+486.92	0.80	9+531.76	9+581.76
9+708.81	9+758.81	0.70	9+813.69	9+863.69
10+229.90	10+279.90	0.70	10+357.32	10+407.32
10+595.19	10+635.19	1.00	10+740.19	10+780.19
10+780.19	10+820.19	3.40	10+880.19	10+920.19
11+015.19	11+055.19	1.40	11+143.84	11+183.84
11+244.52	11+284.52	1.70	11+343.64	11+383.64
11+388.68	11+428.68	1.70	11+474.35	11+514.35

L - SHAPE RETAINING WALLS LOCATIONS TABLE

STATIONING	LOCATION	LENGTH (m)	DISTANCE FROM ξ	AVERAGE HEIGHT(m)	TYPE OF R.W.	
DEAD SEA INTERSECTION (SEA SIDE)						
1+480	1+620	R.H.S	173.0	46.0	03.0 - 11.0	L-SHAPE R.W.
1+835	1+880	L.H.S	45.0	15.0	05.5 - 10.5	L-SHAPE R.W.
1+920	2+010	L.H.S	88.0	21.0 - 27.0	03.5 - 10.5	L-SHAPE R.W.
2+250	2+295	L.H.S	45.0	10.0	03.0 - 05.3	L-SHAPE R.W.
2+800	2+843	R.H.S	43.0	22.0 - 27.0	05.0 - 10.3	L-SHAPE R.W.
3+150	3+180	R.H.S	45.0	12.0 - 27.0	01.0 - 09.0	L-SHAPE R.W.
3+540	3+650	R.H.S	110.0	8.5	05.0 - 11.0	L-SHAPE R.W.
3+785	3+880	L.H.S	95.0	32.0	5.0 - 9.2	L-SHAPE R.W.
5+085	5+190	R.H.S	105.0	10.0	2.0 - 7.0	L-SHAPE R.W.
6+220	6+222.3	R.H.S	2.3	12.0	04.0	T-SHAPE R.W.
6+220	6+222.3	L.H.S	2.3	12.0	04.0	T-SHAPE R.W.
6+318	6+320	R.H.S	2.4	12.0	04.0	T-SHAPE R.W.
6+318	6+320	L.H.S	2.4	12.0	04.0	T-SHAPE R.W.
7+220	7+225	R.H.S	5.0	12.0	03.5 - 05.5	T-SHAPE R.W.
7+220	7+225	L.H.S	12.0	12.0	02.5 - 10.3	T-SHAPE R.W.
7+355	7+372	R.H.S	17.0	12.0	03.0 - 08.0	T-SHAPE R.W.
7+355	7+372	L.H.S	17.0	12.0	03.0 - 08.0	T-SHAPE R.W.
10+690	10+775	L.H.S	85.0	9.0	03.5 - 10.2	L-SHAPE R.W.
11+250	11+315	R.H.S	65.0	12.5	03.5 - 08.5	L-SHAPE R.W.

GUARD-RAIL LOCATIONS TABLE

STATIONING	LOCATION	LENGTH(m)	
DEAD SEA INTERSECTION (SEA SIDE)			
0+900	0+160	R.H.S	70.0
0+340	0+440	L.H.S	100.0
0+700	0+760	R.H.S	60.0
0+920	1+320	L.H.S	400.0
1+400	1+680	R.H.S	280.0
1+830	2+630	L.H.S	800.0
2+700	2+850	R.H.S	150.0
2+800	2+880	L.H.S	80.0
2+910	3+200	R.H.S	290.0
3+540	3+680	R.H.S	140.0
3+770	3+890	L.H.S	120.0
4+100	4+190	L.H.S	90.0
4+550	4+680	R.H.S	130.0
4+750	4+820	L.H.S	70.0
5+080	5+290	R.H.S	210.0
5+230	5+270	L.H.S	40.0
5+570	5+760	R.H.S	190.0
5+680	5+980	R.H.S(P.A)	300.0
5+680	5+980	L.H.S(P.A)	300.0
6+820	6+890	R.H.S	70.0
6+820	6+890	L.H.S	70.0
7+370	7+540	R.H.S	170.0
7+420	7+530	L.H.S	110.0
8+060	8+170	R.H.S	110.0
8+060	8+140	L.H.S	80.0
8+260	8+420	R.H.S	160.0
8+480	8+620	R.H.S	140.0
8+490	8+560	L.H.S	70.0
8+900	9+060	L.H.S	160.0
8+920	9+280	R.H.S	360.0
9+160	9+520	L.H.S	360.0
9+440	9+540	R.H.S	100.0
9+780	9+960	R.H.S	180.0
9+910	9+970	L.H.S	60.0
10+110	10+380	L.H.S	270.0
10+180	10+360	R.H.S	180.0
10+600	10+870	L.H.S	270.0
11+080	11+350	R.H.S	270.0
11+470	11+510	L.H.S	40.0
EMERGENCY RAMPS			

ROCK FALL ZONES TABLE

STATIONING	LOCATION	LENGTH(m)	
1+420	1+660	L.H.S	240
1+720	2+180	R.H.S	460
3+740	3+880	R.H.S	140

LIST OF CONTROL POINTS

Point	Easting	Northing	Elevation
CC1	204559.05	117775.89	-351.991
CC2	204447.82	118282.83	-357.659
CC3	205974.55	117701.68	129.490
CC4	206517.41	116766.24	161.885
CC5	207545.95	116851.59	190.982
CC6	207070.09	115546.39	186.926
CC7	206889.77	116036.73	171.482
CC8	205731.69	118192.52	48.107
CC9	205052.76	117939.17	-203.756
CC10	205635.93	118359.11	-11.741
CC11	204949.15	118053.33	-231.963
CC12	206768.29	114828.00	188.423
CC13	207336.29	114518.71	307.065
RJC	206346.30	115228.06	158.310

DESIGN SPEED TABLE

STATIONING	DESIGN SPEED
0+000 TO 5+540	30 KPH
5+540 TO 10+595	50 KPH
10+595 TO 11+643.7	30 KPH

NOTE:-

- 1) WIDENING SHALL BE APPLIED AT BOTH SIDES OF THE ROAD. EACH SIDE SHALL BE WIDENED BY A VALUE OF W/2.
- 2) EXACT LOCATIONS OF ROCK FALL ZONES SHALL BE DETERMINED BY THE ENGINEER ON THE SITE.
- 3) FOR PROPOSED LOCATIONS OF RETAINING WALLS, ROCK FALL ZONES AND GUARD-RAIL SEE PLAN-PROFILE AND CROSS-SECTIONS DRAWINGS.
- 4) DISTANCE, HEIGHT AND LOCATIONS OF RETAINING WALLS SHOWN HERE ARE APPROXIMATE AND SHALL BE REVISED TO SUIT SITE CONDITIONS. THE CONTRACTOR SHALL PROPOSE ALL THE DETAILS SHOWN IN HIS DETAILED SHOP DRAWINGS TO THE APPROVAL OF THE ENGINEER.

Project:

Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:

The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:

Dead Sea Parkway

Note:

This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

Designed by:

Japan International Cooperation Agency (JICA)

JICA Study Team:

Joint Venture of
Pacific Consultants International and
Yamashita Sekkei Inc.

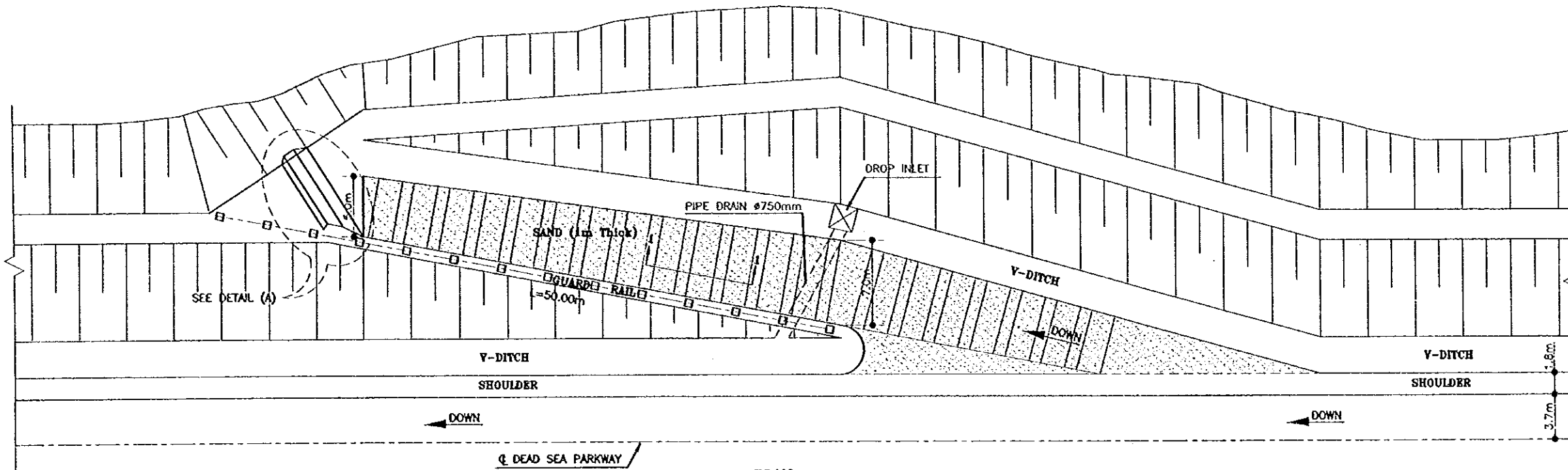
Subcontracted Local Consultant:

consolidated consultants
engineering & environment
Tel: 011277 - Fax: 011280 - JAMM - JORDAN

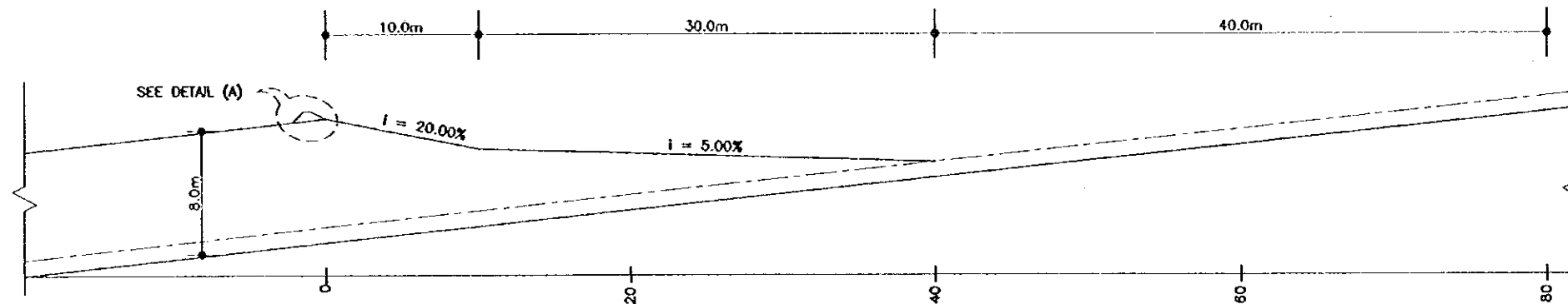
Drawing Title:

MISCELLANEOUS TABLES

Scale: NOT TO SCALE Drawing No.: DSPW-06



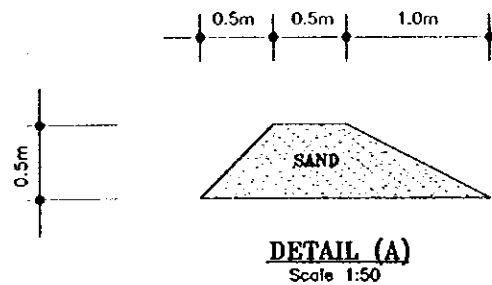
PLAN



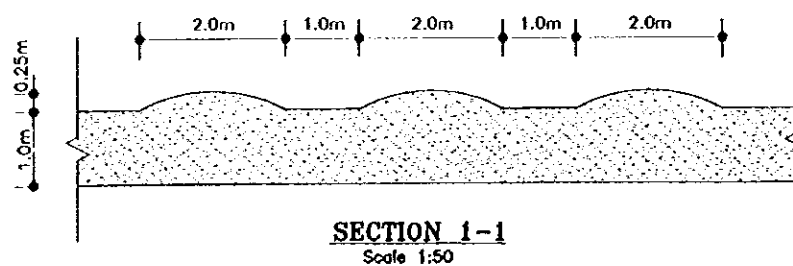
PROFILE

TYPICAL EMERGENCY ESCAPE RAMP

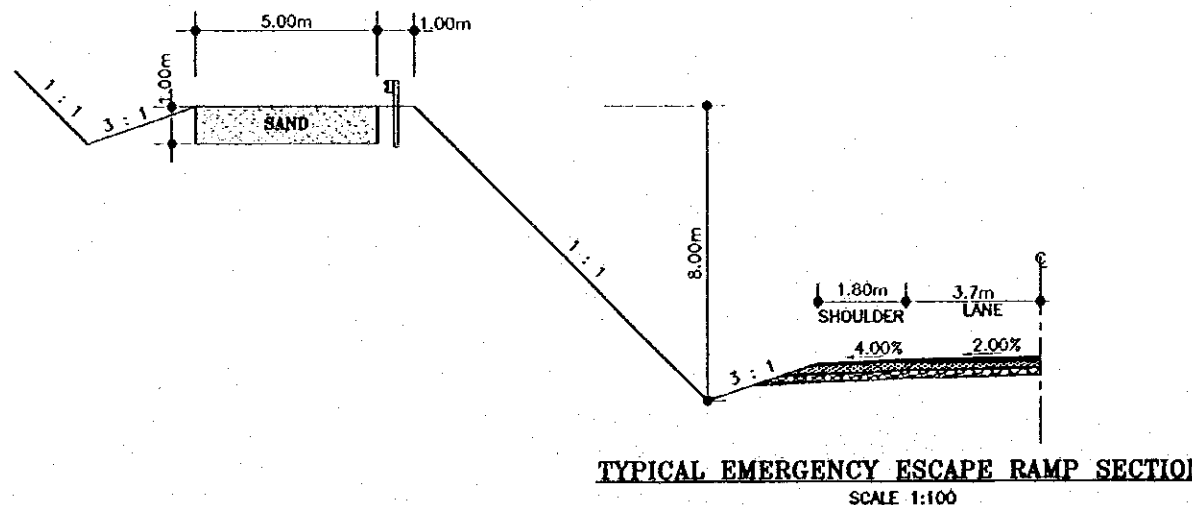
Scale 1:200



DETAIL (A)
Scale 1:50



SECTION 1-1
Scale 1:50



TYPICAL EMERGENCY ESCAPE RAMP SECTION
SCALE 1:100

NOTES:-

- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
- 2) PROPOSED LOCATIONS FOR THIS EMERGENCY ESCAPE RAMP SHALL BE AS FOLLOWS:
 - a) AT STA. 1+800
 - b) AT STA. 4+000
- 3) EXACT LOCATIONS SHALL BE DETERMINED ON SITE BY THE ENGINEER.

Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

Note:
This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA

Designed by:
Japan International Cooperation Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamashi Sekkel Inc.

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 9612377 - Fax: 9612380 - AMM - JORDAN

Drawing Title:
EMERGENCY ESCAPE RAMP DETAILS

Scale:
AS SHOWN

Drawing No.:
DSPW-07

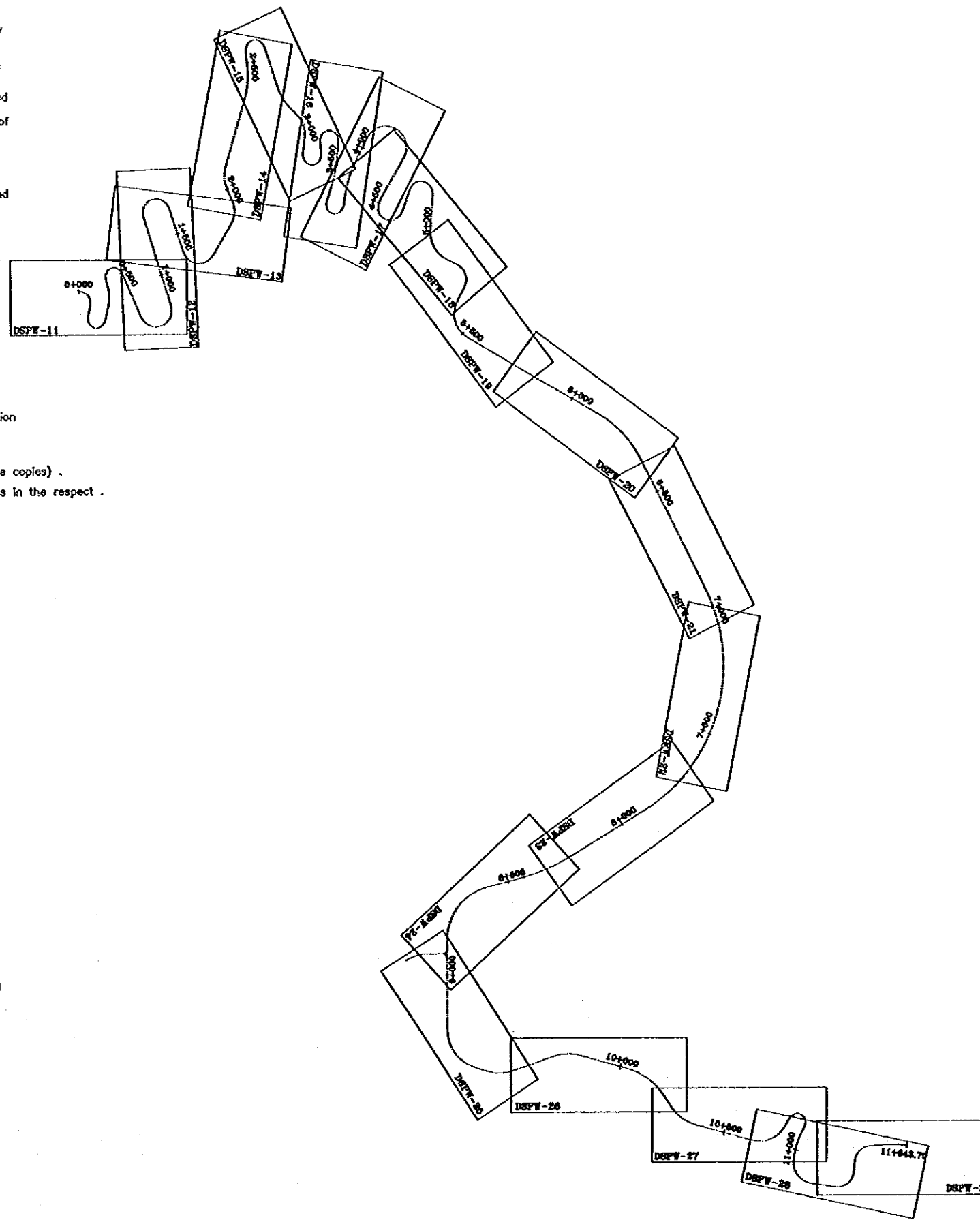
IMPORTANT GEOTECHNICAL NOTES :-

- 1) The contractor and at his own expense must carry out full geological, geotechnical and seismic investigations to fully satisfy himself of the nature of the soil conditions for the first 5.5Km of the project in addition to the required locations at wadi ABU EL-ASAL & wadi HIMARA bridges and any other required locations subject to the approval of the engineer. The contractor must submit well in advance of starting any construction work his work plans for the geotechnical investigation incorporated within his construction work plans.
- 2) The contractor and through his first graded geotechnical consulting company must submit drawings showing proposed locations and depths of bore holes, test pits, seismic layout, ...etc. in addition to his methodology of work to the approval of the engineer. Following are the proposed locations of bore holes that represent the minimum number of bore holes to be drilled within the alignment unless otherwise instructed by the engineer:
stations [0+492, 1+030, 1+700, 1+970, 2+155, 2+230, 2+370, 2+500, 2+800, 3+225, 3+290, 3+550, 3+600, 3+940, 4+025, 4+200, 4+700, 4+850, in addition to bore holes at bridges & other structures]
- 3) The soil investigation must include but not be limited to :-
 - a) Drilling the required and approved no. of bore holes to the required depths to determine the nature, type and properties of the materials in addition to the depth and fluctuation of the water level along the route.
 - b) The approved and required no. of test pits.
 - c) Perform all required laboratory testing to the approval of the engineer to determine the physical and mechanical properties of the material along the route according to ASTM and/or B.S standards.
 - d) Seismic analysis and testing.
 - e) Analysis of all field and laboratory investigations in order to determine and evaluate the properties of the materials and determine the factors which contribute to the erosion of side slopes and potential global problems.
 - f) Perform slope stability analysis wherever required to determine the safe cut and fill slopes and optimum and most economical protection measures for both cut and fill sections.
 - g) verify the bearing capacity assumed in the design for bridges, retaining walls and any other structures. The contractor should also adjust the design of bridge sub-structure and retaining walls to the approval of the engineer if the results vary from the values assumed in the design.
- 4) All the above must be carried out in full coordination and to the approval of the engineer.
- 5) The contractor will not be paid or given extension of time to do all the above even if the results of the investigation urged the need of re-alignment of the route, revision of the proposed cut & fill slopes and the revision and/or addition of protection measures. The redesign for all above elements (if required) should be carried out by the contractor and shown on his shopdrawings to the approval of the engineer.
- 6) The contractor should submit the results of the above investigation, analysis and verification in a format report (five copies).
- 7) The contractor shall bear the risk of any error which might appear in the soil information and can't claim damages in the respect.

GENERAL NOTES :-

- 1) Contractor immediately on award of contract must :
 - a- Locate and concrete all survey points (Bench Marks, Reference Points, Pts...etc) and set out the centerline and stations accordingly.
 - b- Take levels of natural ground and existing asphalt and submit to the engineer bringing to his attention any discrepancy from those shown on drawings.
 - c- Prepare shop-drawings for all works and propose solutions for all discrepancies from design drawings. These drawings must be submitted to the engineer, giving him sufficient time to study and review.
- 2) The engineer will study the above mentioned drawings and will have to approve / or ask to be revised before commencement of any work.
- 3) The contractor is to allow for all the above in his unit rates as no extension of time and / or extra payments will be considered.
- 4) The contractor shall read the drawings in conjunction with all other contract documents.
- 5) Field adjustments in alignment, grades and location of drainage structures may be made by the engineers representative so as to best fit localized conditions.
- 6) Quantities shown in the bills of quantities are approximate. Payment for completed and accepted work shall be on the basis of field measured quantities as stated in the specifications.
- 7) Quantities shown represent the true original in-place volume of materials to be excavated and true compacted volumes of embankments.
- 8) The contractor's attention is directed to the provisions of the conditions of contract concerning utility lines and setting out.
- 9) All coordinates are based on the Palestine grid.
- 10) The contractor to submit a detailed survey showing the exact locations and heights of the retaining walls subjected to the approval of the engineer.
- 11) The exact locations of guardrails and pedestrian railing are to be determined on site by the engineer.
- 12) Slope protection locations mentioned in the drawings are approximate. It is the responsibility of the engineer to define the final locations and heights to best suit site conditions.
- 13) The contractor must and at his own expense prepare as built drawings and submit to the engineer. He must point out any alterations for corrections required if so instructed. No separate payment will be made. Cost deemed to be included in his unit bid prices. Above includes final x-sections to a scale agreeable to the engineer.
- 14) No work will be allowed prior to placing all the required temporary signs, traffic lights, flag men, etc, wherever and whenever required. No separate payment will be made. Cost deemed to be included in unit bid price.
- 15) Contractor to allow in his unit rates for the construction and maintenance of all required diversions and should note the penalty which will be imposed if diversions are not constantly and properly maintained to the satisfaction of the engineer's representative.
- 16) The contractor must submit well in advance of any work detailed plans showing proposed detours and diversions. Traffic in both directions must be allowed to flow at all times. Contractor must obtain engineer's and police permission prior to starting constructing and diversion.
- 17) Contractor to liaison and cooperate with all utility departments in locating existing utility lines, cables, manholes and poles etc. Any damage due to any reason is the responsibility of the contractor and he must immediately correct and bear all cost.
- 18) Contractor must immediately on being awarded the project, contact all authorities concerned - the electricity authorities, the water authorities etc. And make sure of the location and depth of all utility ducts, cables, pipes etc. Contractor shall either relocate any that would interfere with his work, especially the relocation of the overhead and underground electric cables and posts or arrange for relocation to be done by the respective authorities, all to the approval of the engineer and the authorities concerned.
- 19) Box culvert dimensions shown on drawings are as follows : 4 (3 x 2)

no. of cells	_____
height of each cell	_____
span of culvert	_____
- 20) Only paved ditches are shown on the plan profile drawings.
all other ditches are shown on relevant cross - sections



Project: Tourism Sector Development Project in the Hashemite Kingdom of Jordan	
Executing Agency: The Ministry of Tourism and Antiquities The Ministry of Planning	
SUB-PROJECT: Dead Sea Parkway	
Note: This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.	
Designed by: Japan International Cooperation Agency (JICA) JICA Study Team: Joint Venture of Pacific Consultants International and Yamasita Sekkei Inc.	
Subcontracted Local Consultant: consolidated consultants engineering & environment Tel: 0112377 - Fax: 0112380 - AMM - JORDAN	
Drawing Title: KEY PLAN	
Scale: NOT TO SCALE	Drawing No.: DSPW-10



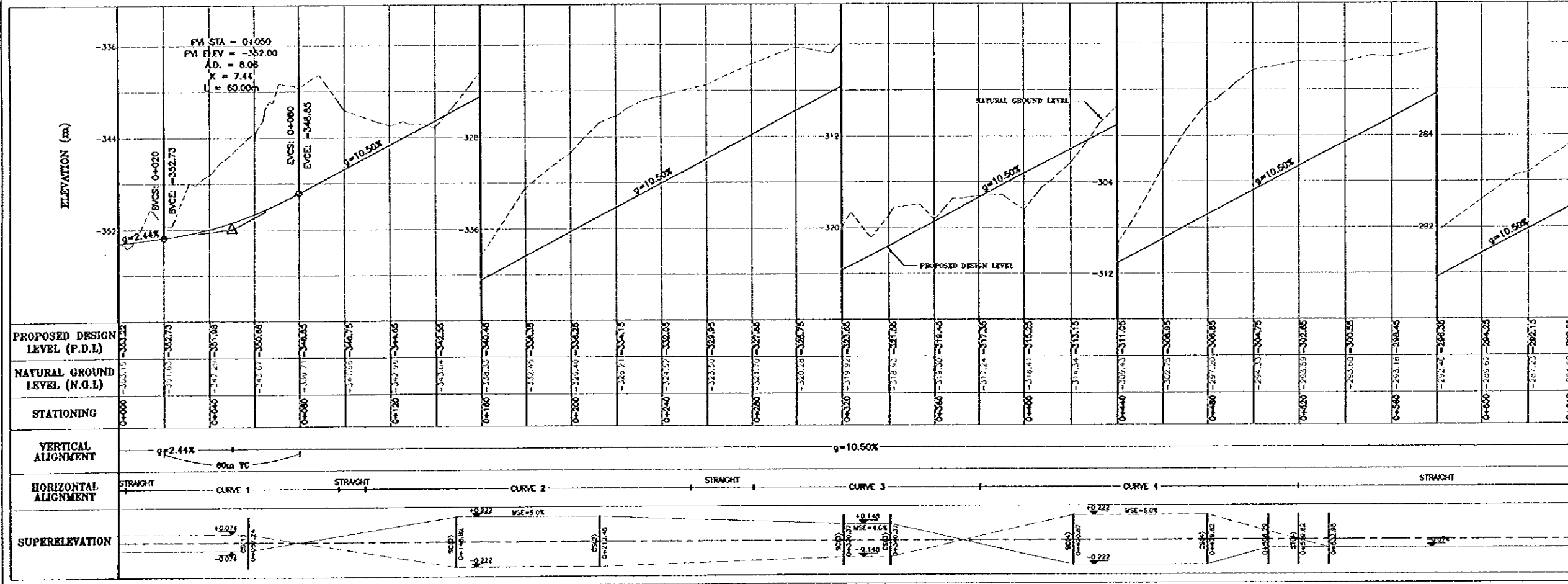
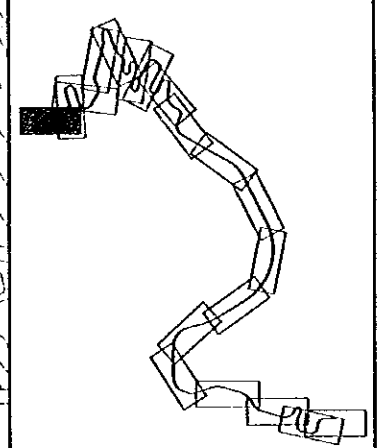
PI (1)	
N 117873.21	E 204648.82
SERIAL CURVE	CIRCULAR CURVE
L = 40.00m	Δ = 77°35'25"
Theta = 28°38'52"	R = 40.00m
X = 39.01m	T = 32.18m
Y = 6.56m	L = 54.17m
Ston = 13.65m	
Ltan = 27.02m	
MAX. SUPERELEVATION (s) = 6.0%	
WIDENING (w) = 3.20m	

PI (2)	
N 64520.68	E 192727.95
SERIAL CURVE	CIRCULAR CURVE
L = 40.00m	Δ = 110°28'36"
Theta = 34°43'29"	R = 33.00m
X = 38.56m	T = 47.55m
Y = 7.87m	L = 63.63m
Ston = 13.62m	
Ltan = 27.23m	
MAX. SUPERELEVATION (s) = 6.0%	
WIDENING (w) = 3.20m	

PI (3)	
N 117851.44	E 204713.79
SERIAL CURVE	CIRCULAR CURVE
L = 40.00m	Δ = 69°32'57"
Theta = 69°32'57"	R = 120.00m
X = 39.69m	T = 10.02m
Y = 2.22m	L = 20.00m
Ston = 13.37m	
Ltan = 28.71m	
MAX. SUPERELEVATION (s) = 4.0%	
WIDENING (w) = 0.80m	

PI (4)	
N 118420.73	E 204551.49
SERIAL CURVE	CIRCULAR CURVE
L = 40.00m	Δ = 102°52'19"
Theta = 34°43'29"	R = 33.00m
X = 38.56m	T = 41.30m
Y = 7.87m	L = 59.25m
Ston = 13.62m	
Ltan = 27.23m	
MAX. SUPERELEVATION (s) = 6.0%	
WIDENING (w) = 3.20m	

- NOTES :-
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2) FOR GUARDRAIL, RETAINING WALLS AND BENCHMARKS INFORMATION SEE DRAWING No. DSPW - 08
 - 3) FOR CUT AND FILL SLOPES SEE RELEVANT CROSS SECTIONS.
 - 4) GUARDRAIL SHOULD ALWAYS BE ACCOMPANIED BY THE USE OF W-56 CHEVRON UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
 - 5) FOR INTERSECTION GEOMETRIC DESIGN, MARKING AND SIGNING SEE DRAWINGS No. DSPW - 35 TO DSPW - 38
 - 6) 750mm DIA. PIPE CULVERTS DRAINING THE PAVED DITCHES ARE NOT SHOWN ON THE PROFILE.
 - 7) ALL SLOPE STAKE LINES, CUT & FILL BENCHES LINES ARE APPROXIMATE. EXACT LINES ARE TO BE DETERMINED ON SITE BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER.
 - 8) DO NOT SCALE FROM THESE DRAWINGS.



Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

Note:
This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

Designed by:
Japan International Cooperation Agency (JICA)

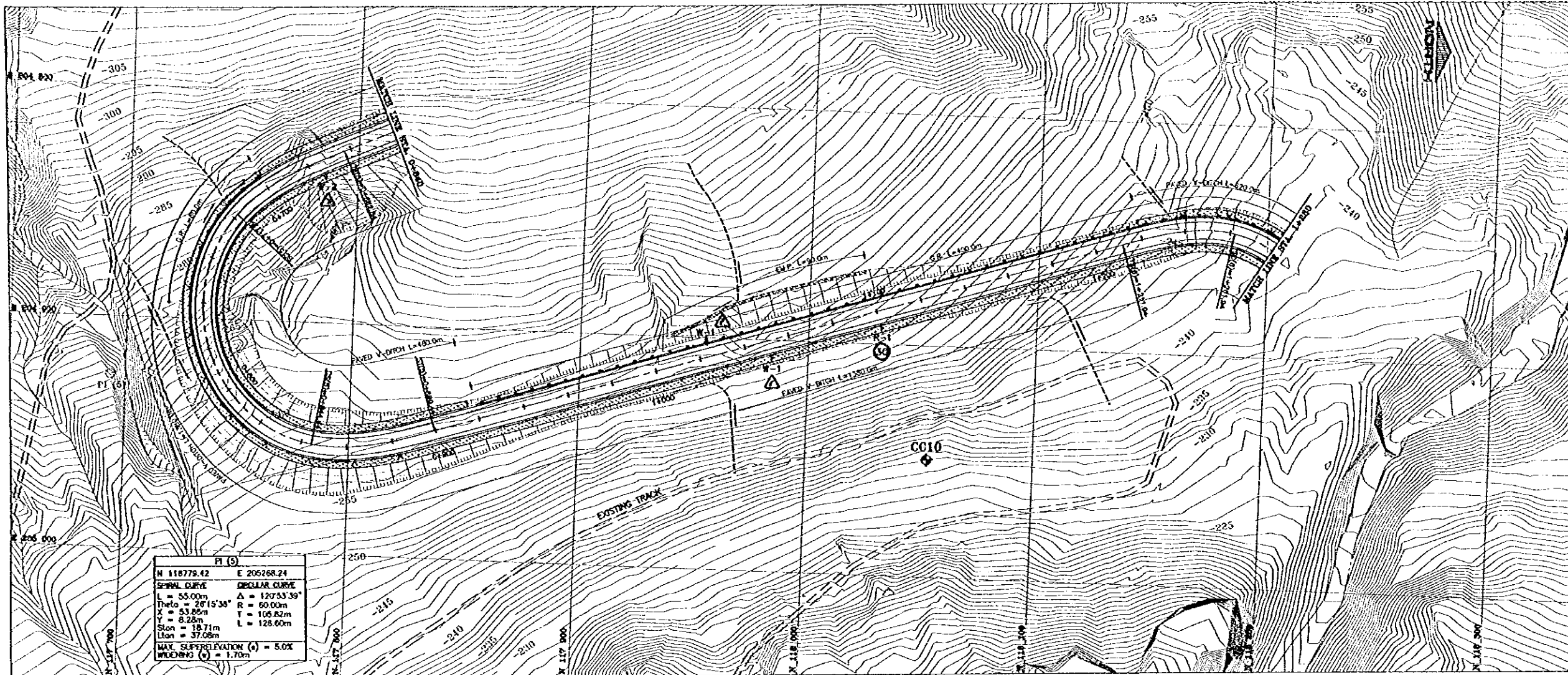
JICA Study Team:
Joint Venture of Pacific Consultants International and Yamashita Sekkei Inc.

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 961277 - Fax: 961280 - AMM - JORDN

Drawing Title:
PLAN - PROFILE
STA 0+000 - STA 0+640

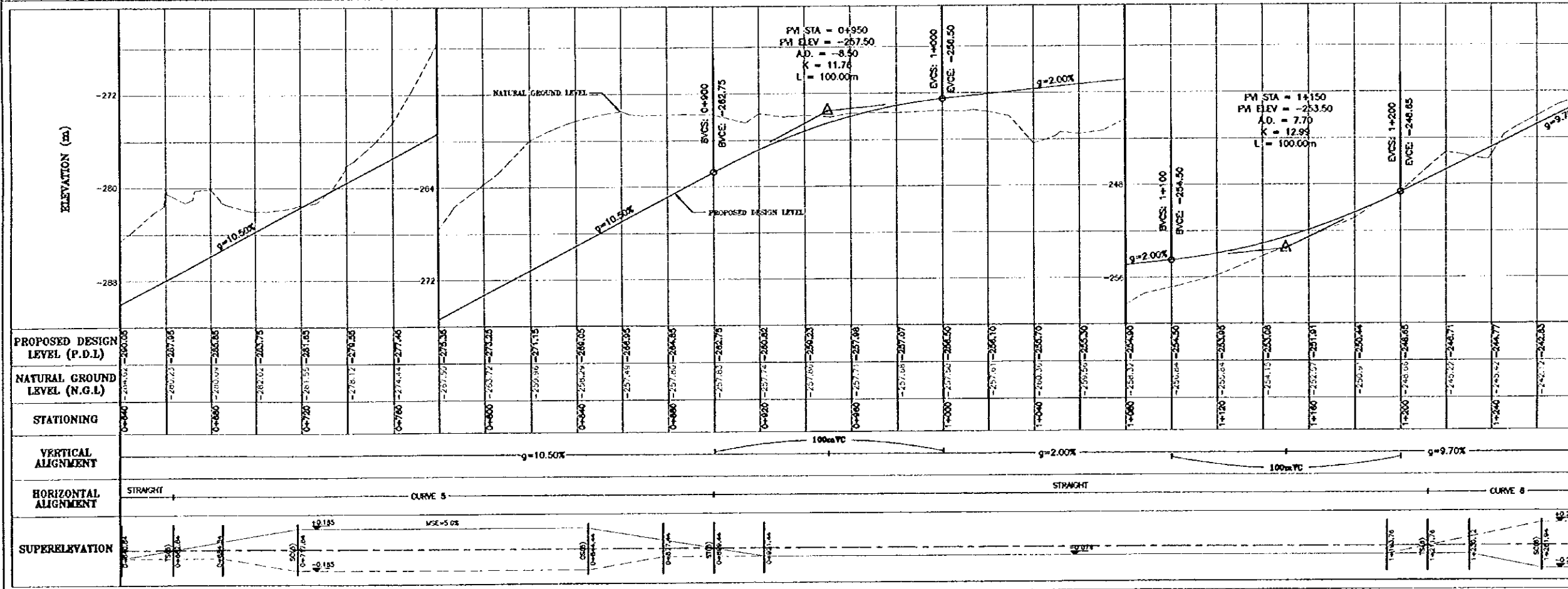
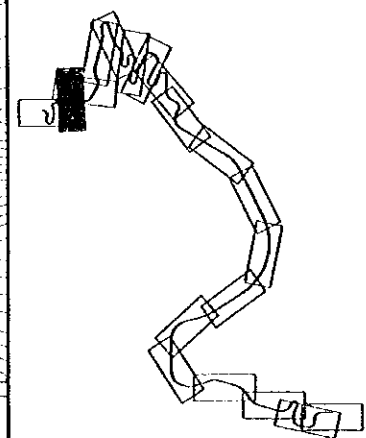
Scale: H 1:1000
V 1:200

Drawing No.: DSPW-11



PI (S)	
N 118779.42	E 206268.24
SPIRAL CURVE	CIRCULAR CURVE
L = 55.00m	$\Delta = 127^{\circ}53'39''$
Theta = $28^{\circ}15'38''$	R = 60.00m
V = 53.85m	T = 105.82m
X = 8.25m	L = 128.00m
Ston = 18.71m	
Ltan = 37.06m	
MAX. SUPERELEVATION (s) = 5.0%	
WIDENING (s) = 1.70m	

- NOTES :-**
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2) FOR GUARDRAIL, RETAINING WALLS AND BENCHMARKS INFORMATION SEE DRAWING NO. DSPW - 08
 - 3) FOR CUT AND FILL SLOPES SEE RELEVANT CROSS SECTIONS.
 - 4) GUARDRAIL SHOULD ALWAYS BE ACCOMPANIED BY THE USE OF W-SB CHEVRON UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
 - 5) 750mm DIA. PIPE CULVERTS DRAINING THE PAVED DITCHES ARE NOT SHOWN ON THE PROFILE.
 - 6) ALL SLOPE STAKE LINES, CUT & FILL BENCHES LINES ARE APPROXIMATE. EXACT LINES ARE TO BE DETERMINED ON SITE BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER.
 - 7) DO NOT SCALE FROM THESE DRAWINGS.



Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

Note:
This detailed design has been executed by
a team of consultants as shown below in
accordance with the agreement between
Japan International Cooperation Agency
(JICA) and JICA Study Team.
The copyright of this drawing rests with JICA.

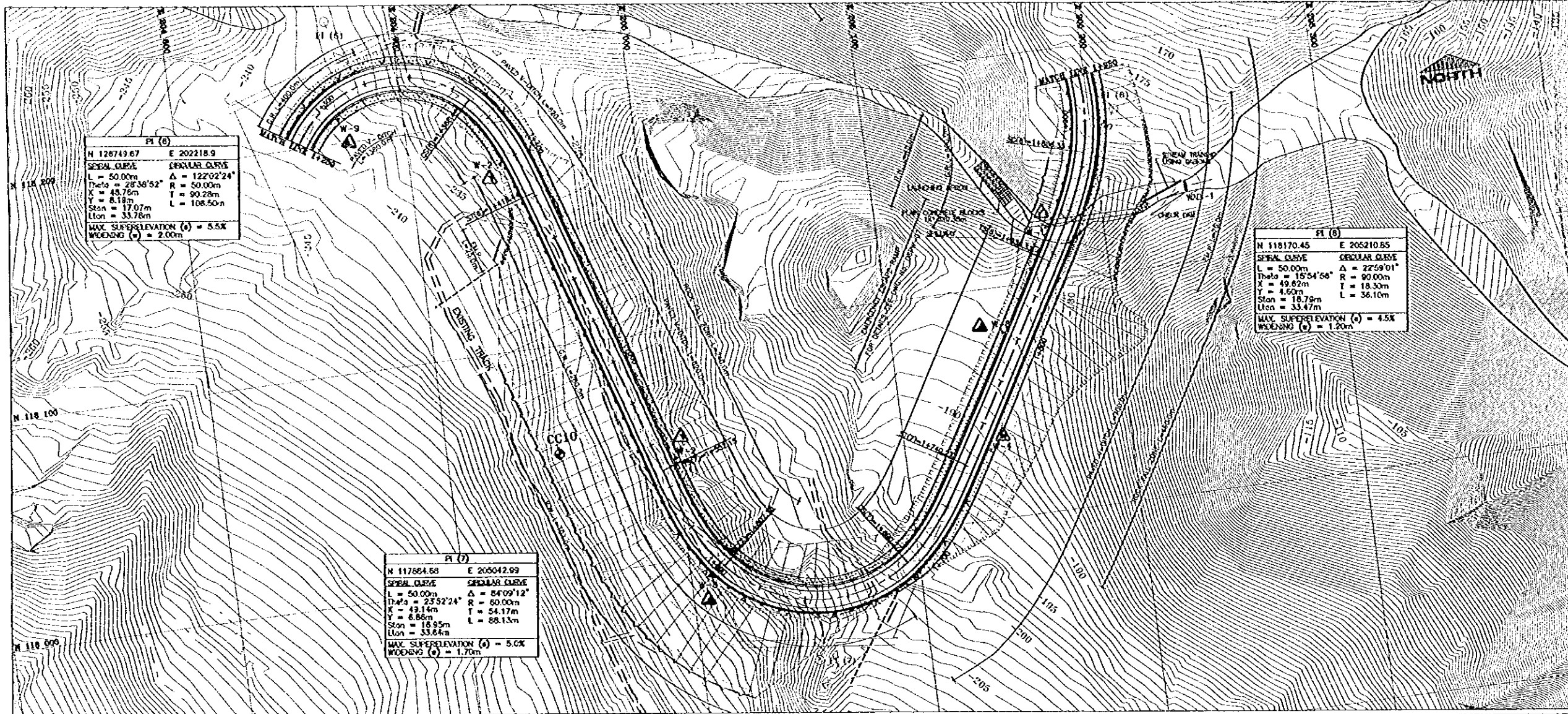
Designed by:
Japan International Cooperation
Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamamoto Sekkei Inc.

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 0112377 - Fax: 0112380 - AMM - JORDAN

Drawing Title:
PLAN - PROFILE
STA.0+640 - STA.1+280

Scale: H 1:1000 V 1:200 Drawing No.: DSPW - 12



PI (6)

N 128749.67	E 202218.9
SERIAL CURVE	CIRCULAR CURVE
L = 50.00m	Δ = 122°02'24"
Theta = 28°36'52"	R = 50.00m
X = 45.76m	T = 90.28m
Y = 6.13m	L = 108.50m
Stn = 17.07m	Ltan = 33.78m
MAX. SUPERELEVATION (a) = 5.5%	
WIDENING (e) = 2.00m	

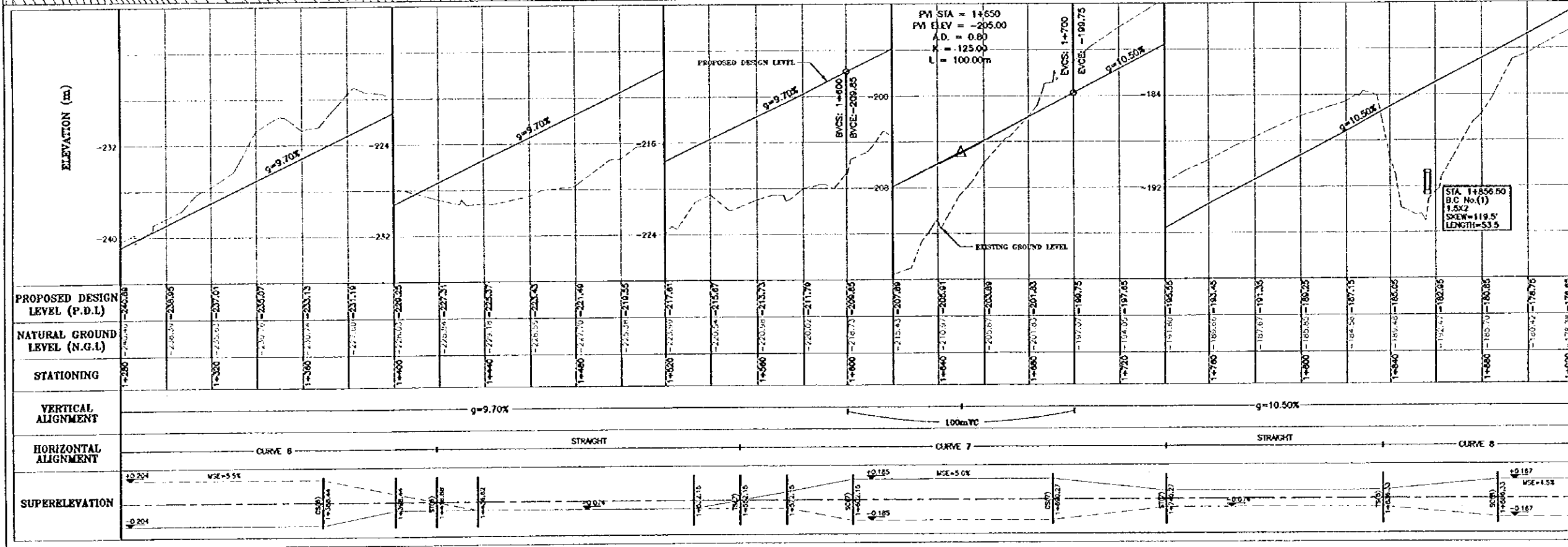
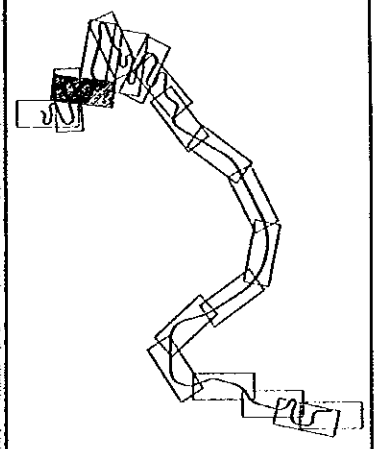
PI (7)

N 117864.68	E 205042.99
SERIAL CURVE	CIRCULAR CURVE
L = 50.00m	Δ = 84°09'12"
Theta = 23°52'24"	R = 60.00m
X = 49.14m	T = 54.17m
Y = 6.86m	L = 88.13m
Stn = 16.95m	Ltan = 33.64m
MAX. SUPERELEVATION (a) = 5.0%	
WIDENING (e) = 1.70m	

PI (8)

N 118170.45	E 205210.85
SERIAL CURVE	CIRCULAR CURVE
L = 50.00m	Δ = 22°59'01"
Theta = 15°54'56"	R = 90.00m
X = 49.62m	T = 18.30m
Y = 4.60m	L = 36.10m
Stn = 18.79m	Ltan = 33.47m
MAX. SUPERELEVATION (a) = 4.5%	
WIDENING (e) = 1.20m	

- NOTES :-
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2) FOR GUARDRAIL, RETAINING WALLS AND BENCH-MARKS INFORMATION SEE DRAWING No. DSPW - 06
 - 3) FOR CUT AND FILL SLOPES SEE RELEVANT CROSS SECTIONS.
 - 4) GUARDRAIL SHOULD ALWAYS BE ACCOMPANIED BY THE USE OF W-56 CHEVRON UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
 - 5) 750mm DIA. PIPE CULVERTS DRAINING THE PAVED DITCHES ARE NOT SHOWN ON THE PROFILE.
 - 6) ALL SLOPE STAKE LINES, CUT & FILL BENCHES LINES ARE APPROXIMATE. EXACT LINES ARE TO BE DETERMINED ON SITE BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER.
 - 7) DO NOT SCALE FROM THESE DRAWINGS.



Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

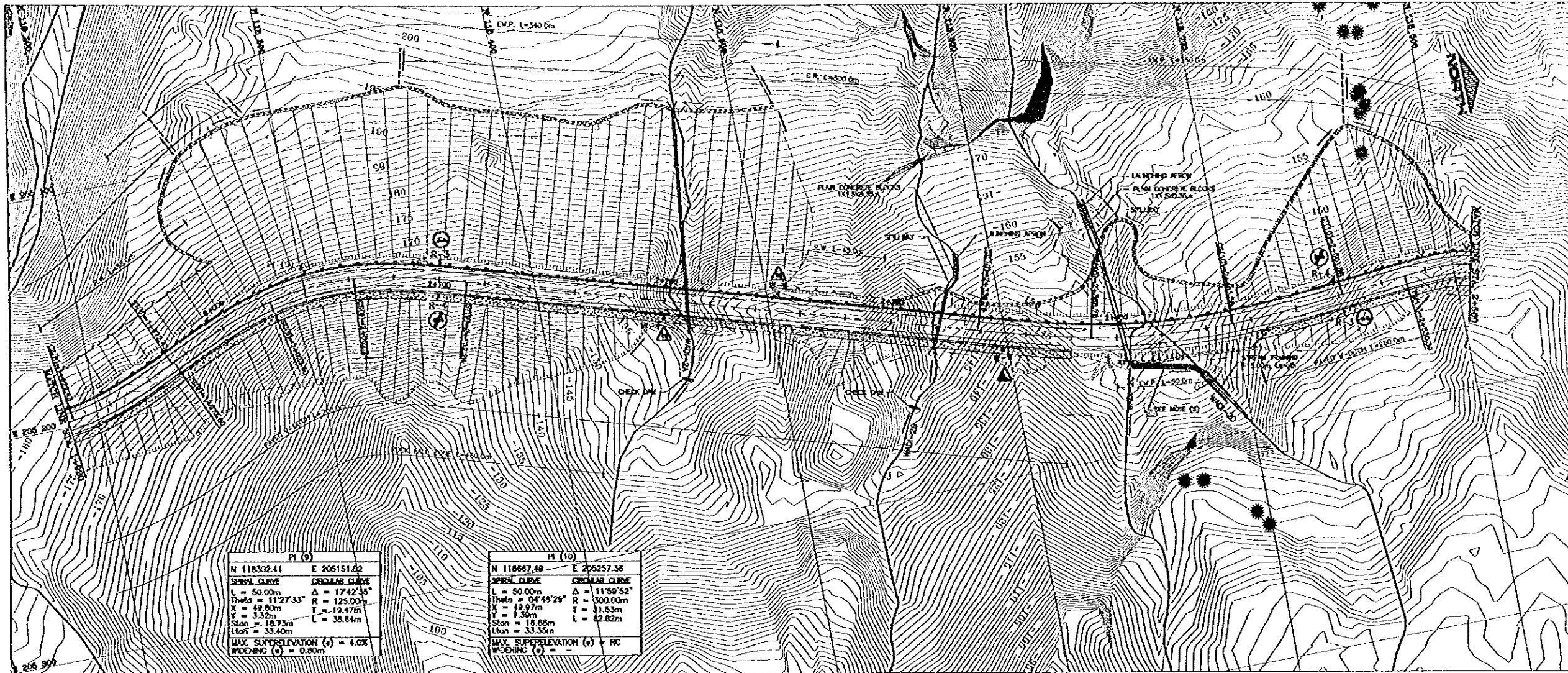
Note:
This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA

Designed by:
Japan International Cooperation Agency (JICA)
JICA Study Team:
Joint Venture of Pacific Consultants International and Yamashita Sekkel Inc.

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel. 0012377 - Fax. 0012380 - AMM - JORDAN

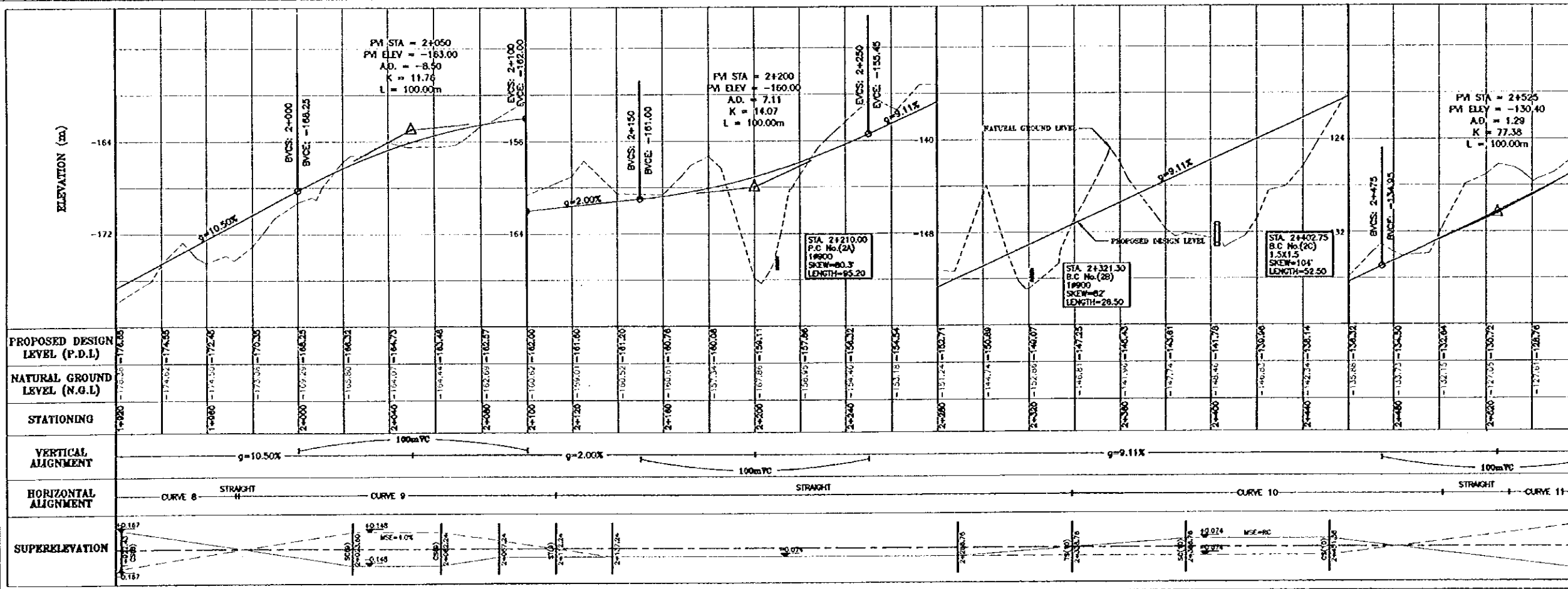
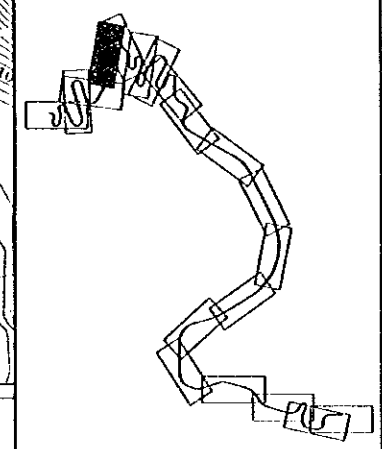
Drawing Title:
PLAN - PROFILE
STA.1+280 - STA.1+920

Scale: H 1:1000 V 1:200 Drawing No.: DSPW-13



H (8)		H (9)	
N 118302.44	E 205151.02	N 118667.48	E 205257.38
SERIAL CURVE	CIRCULAR CURVE	SERIAL CURVE	CIRCULAR CURVE
L = 50.00m	Δ = 174°2'36"	L = 50.00m	Δ = 111°58'52"
Theta = 11°27'33"	R = 125.00m	Theta = 54°45'29"	R = 300.00m
X = 49.80m	T = 19.47m	X = 49.97m	T = 11.83m
Y = 3.32m	L = 38.84m	Y = 1.39m	L = 42.82m
Stn = 18.73m		Stn = 18.88m	
Len = 33.40m		Len = 33.35m	
MAX SUPERELEVATION (s) = 4.0%		MAX SUPERELEVATION (s) = RC	
WIDENING (w) = 0.00m		WIDENING (w) = RC	

- NOTES:-
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2) FOR GUARDRAIL, RETAINING WALLS AND BENCHMARKS INFORMATION SEE DRAWING No. DSPW-08
 - 3) FOR CUT AND FILL SLOPES SEE RELEVANT CROSS SECTIONS.
 - 4) GUARDRAIL SHOULD ALWAYS BE ACCOMPANIED BY THE USE OF W-50 CHEVRON UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
 - 5) CONCRETE LINED TRAPEZOIDAL CHANNEL 1m. BOTTOM WIDTH, 0.5m DEPTH 1:1 SIDE SLOPES, 28.5m LENGTH 2 DROPS EACH 1m EVERY 10m SLOPE = 2.737%
 - 6) 750mm DIA. PIPE CULVERTS DRAINING THE PAVED DITCHES ARE NOT SHOWN ON THE PROFILE.
 - 7) ALL SLOPE STAKE LINES, CUT & FILL BENCHES LINES ARE APPROXIMATE. EXACT LINES ARE TO BE DETERMINED ON SITE BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER.
 - 8) DO NOT SCALE FROM THESE DRAWINGS.



Project: Tourism Sector Development Project in the Hashemite Kingdom of Jordan

Executing Agency: The Ministry of Tourism and Antiquities, The Ministry of Planning

SUB-PROJECT: Dead Sea Parkway

Note: This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

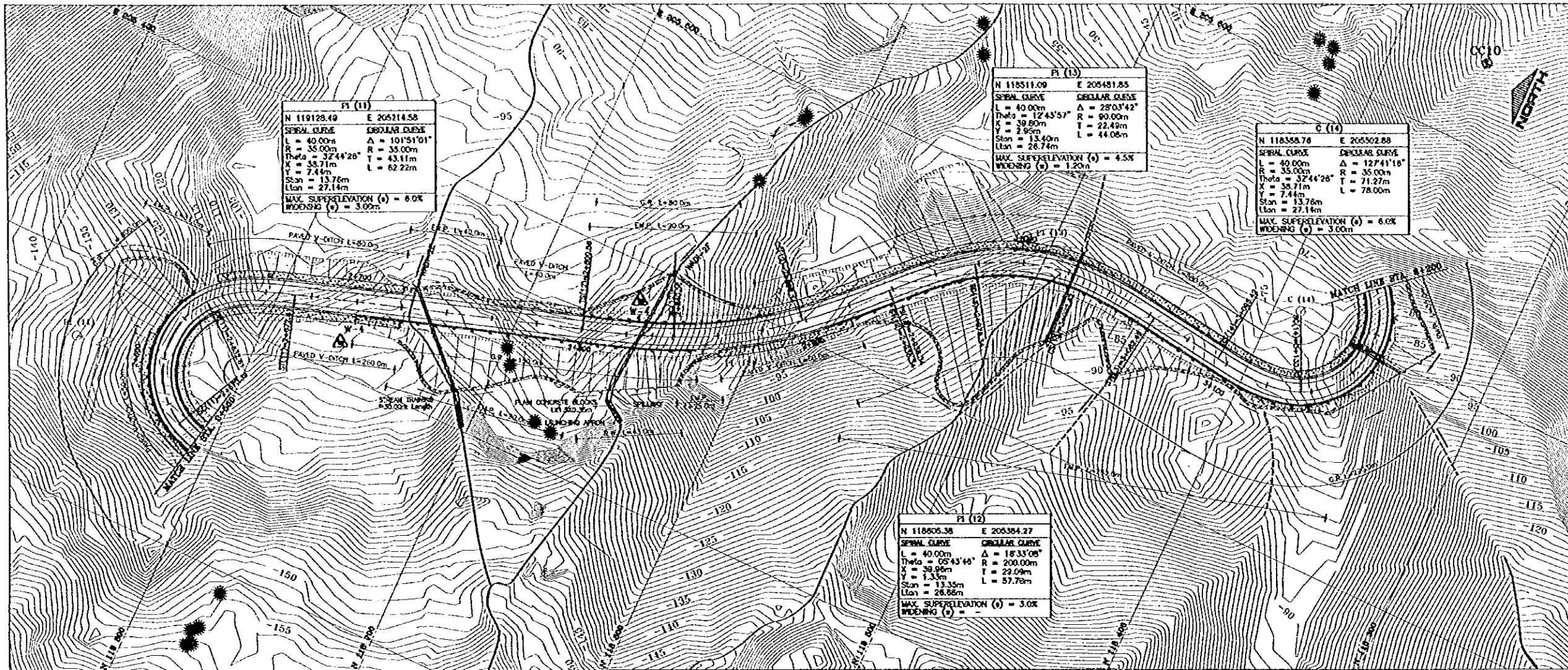
Designed by: Japan International Cooperation Agency (JICA)

JICA Study Team: Joint Venture of Pacific Consultants International and Yamasita Sekkel Inc.

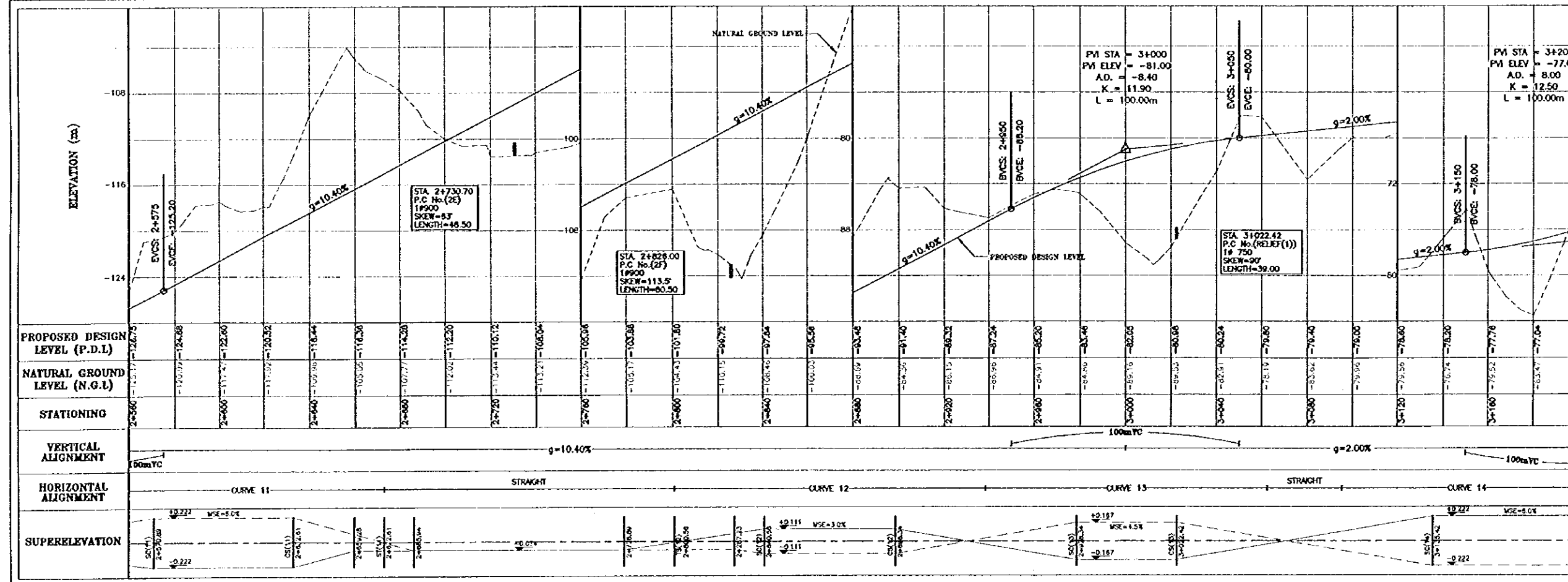
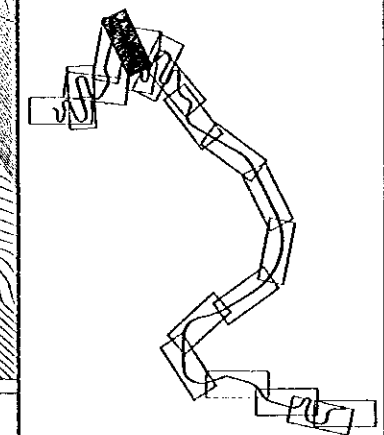
Subcontracted Local Consultant: **concedited consultants** (environment & environment) 14 901377 - Fax: 901370 - AMMAN - JORDAN

Drawing Title: **PLAN - PROFILE**
STA.1+920 - STA.2+560

Scale: H 1:1000 V 1:200 Drawing No.: DSPW-14



- NOTES :-**
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2) FOR GUARDRAIL, RETAINING WALLS AND BENCHMARKS INFORMATION SEE DRAWING No. DSPW - 06
 - 3) FOR CUT AND FILL SLOPES SEE RELEVANT CROSS SECTIONS.
 - 4) GUARDRAIL SHOULD ALWAYS BE ACCOMPANIED BY THE USE OF W-56 CHEVRON UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
 - 5) 750mm DIA. PIPE CULVERTS DRAINING THE PAVED DITCHES ARE NOT SHOWN ON THE PROFILE.
 - 6) ALL SLOPE STAKE LINES, CUT & FILL BENCHES LINES ARE APPROXIMATE. EXACT LINES ARE TO BE DETERMINED ON SITE BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER.
 - 7) DO NOT SCALE FROM THESE DRAWINGS.



Project: Tourism Sector Development Project in the Hashemite Kingdom of Jordan

Executing Agency: The Ministry of Tourism and Antiquities, The Ministry of Planning

SUB-PROJECT: Dead Sea Parkway

Note: This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

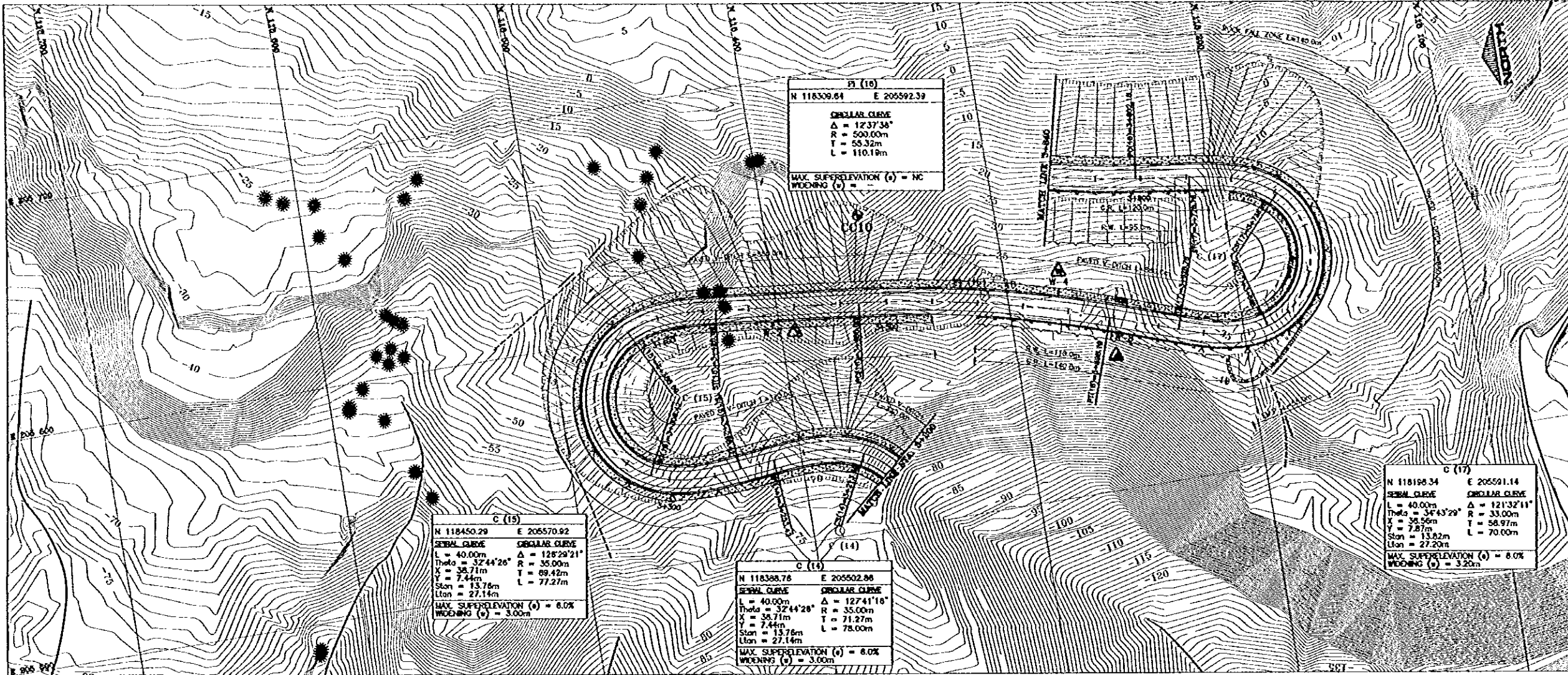
Designed by: Japan International Cooperation Agency (JICA)

JICA Study Team: Joint Venture of Pacific Consultants International and Yamashita Sekkel Inc.

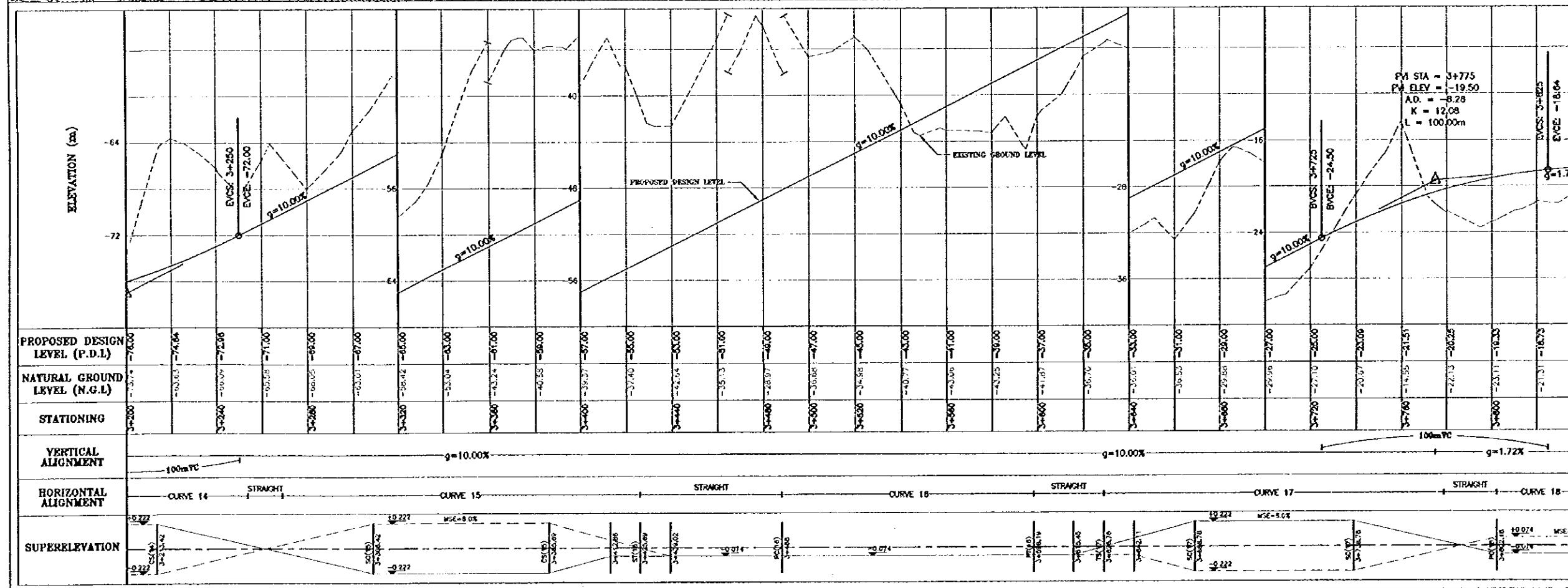
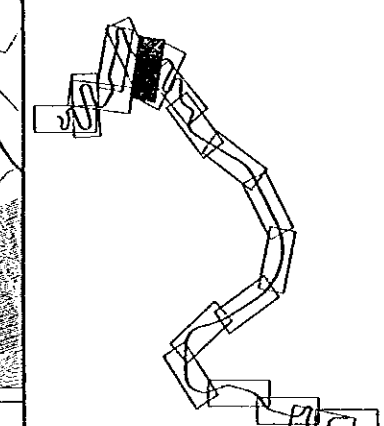
Subcontracted Local Consultant: consolidated consultants

Drawing Title: PLAN - PROFILE STA.2+560 - STA.3+200

Scale: H 1:1000 V 1:200 **Drawing No.:** DSPW-15



- NOTES :-**
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED .
 - 2) FOR GUARDRAIL , RETAINING WALLS AND BENCHMARKS INFORMATION SEE DRAWING No. DSPW - 06
 - 3) FOR CUT AND FILL SLOPES SEE RELEVANT CROSS SECTIONS .
 - 4) GUARDRAIL SHOULD ALWAYS BE ACCOMPANIED BY THE USE OF W-56 CHEVRON UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER .
 - 5) 750mm DIA. PIPE CULVERTS DRAINING THE PAVED DITCHES ARE NOT SHOWN ON THE PROFILE.
 - 6) ALL SLOPE STAKE LINES, CUT & FILL BENCHES LINES ARE APPROXIMATE. EXACT LINES ARE TO BE DETERMINED ON SITE BY THE CONTRACTOR TO THE APPROVAL OF THE ENGINEER.
 - 7) DO NOT SCALE FROM THESE DRAWINGS.



Project:
Tourism Sector Development Project in the Hashemite Kingdom of Jordan

Executing Agency:
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
Dead Sea Parkway

Note:
This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

Designed by:
Japan International Cooperation Agency (JICA)

JICA Study Team:
Joint Venture of Pacific Consultants International and Yomasa Sekkel Inc.

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 9912377 - Fax: 9912390 - AMMAN - JORDAN

Drawing Title:
PLAN - PROFILE
STA.3+200 - STA.3+840

Scale: H 1:1000 V 1:200 **Drawing No.:** DSPW-16