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Plan - Profile View STA 0+000 - STA 0+400	**Sheet 1**
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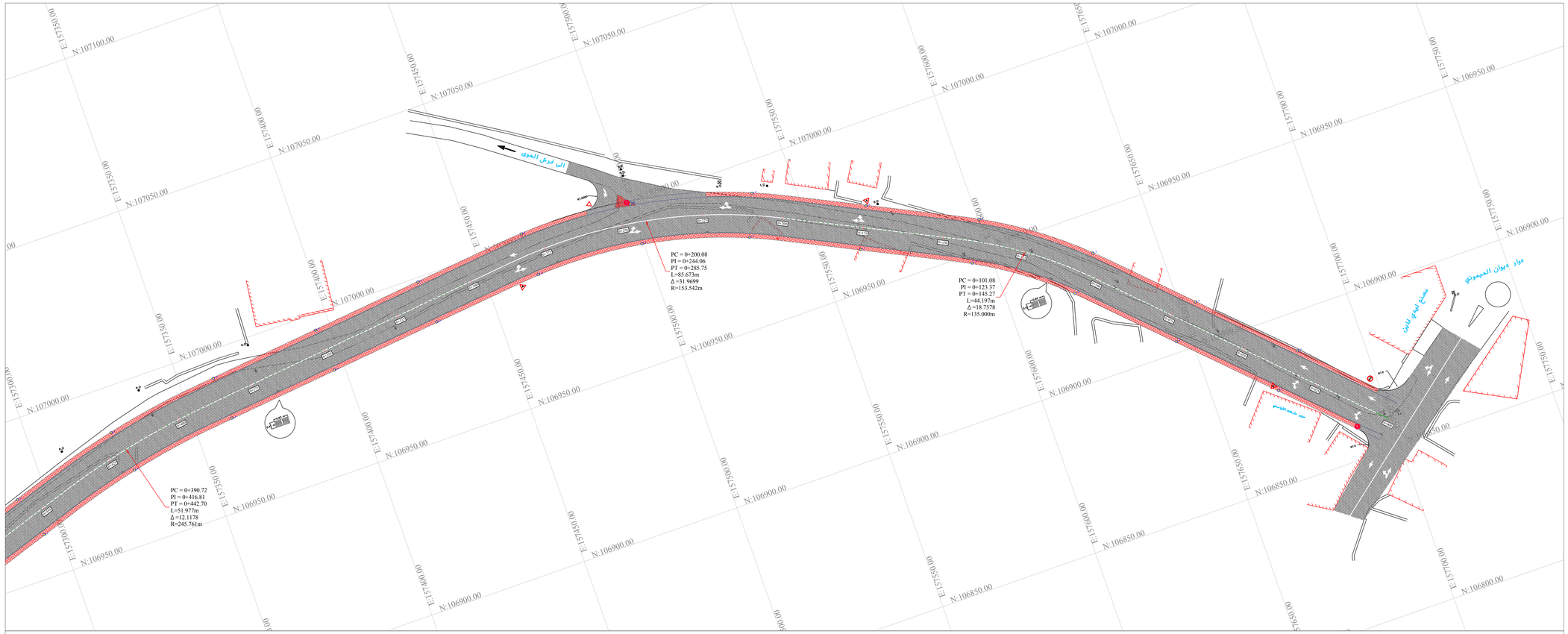
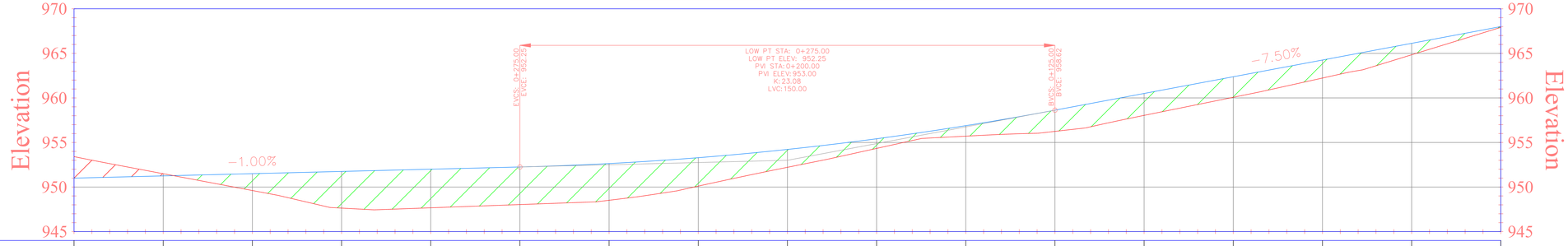


Station 0+000.00 - 0+400.00



Station	0+400	0+375	0+350	0+325	0+300	0+275	0+250	0+225	0+200	0+175	0+150	0+125	0+100	0+075	0+050	0+025	0+000
EG Elevation	953.42	951.50	949.61	947.64	947.67	948.03	948.51	950.10	952.21	954.33	955.71	956.25	958.04	960.07	962.23	964.84	967.92
Design Elevation	951.00	951.25	951.50	951.75	952.00	952.25	952.64	953.29	954.22	955.42	956.89	958.62	960.50	962.38	964.25	966.12	968.00
Cut Depth	2.42	0.25															
Fill Depth			1.89	4.11	4.33	4.22	4.12	3.19	2.00	1.08	1.18	2.38	2.46	2.31	2.02	1.29	0.08

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Civil & Arch. Department
Surveying & Geomatics Engineering

N

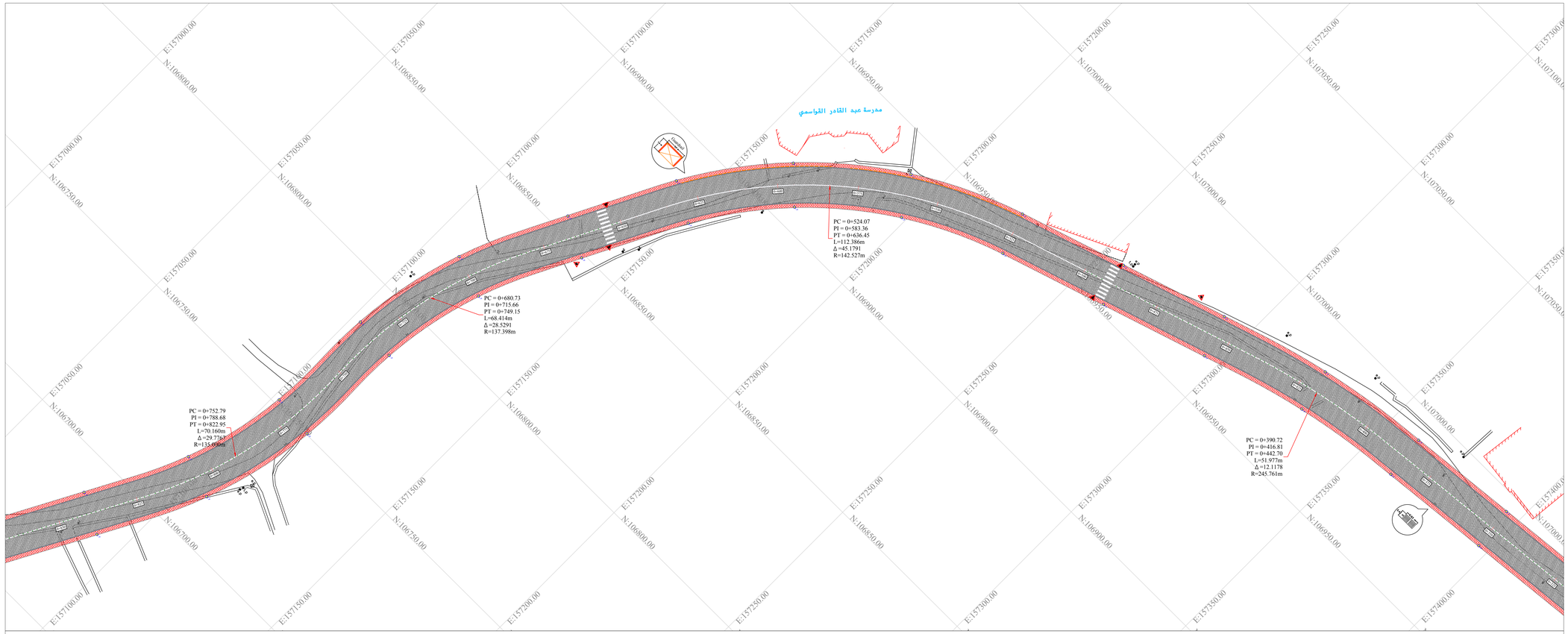
Legend :

- Proposed Centerline
- Design Profile
- Asphalt
- Sidewalk
- Curb Stone
- Building
- Light Pole

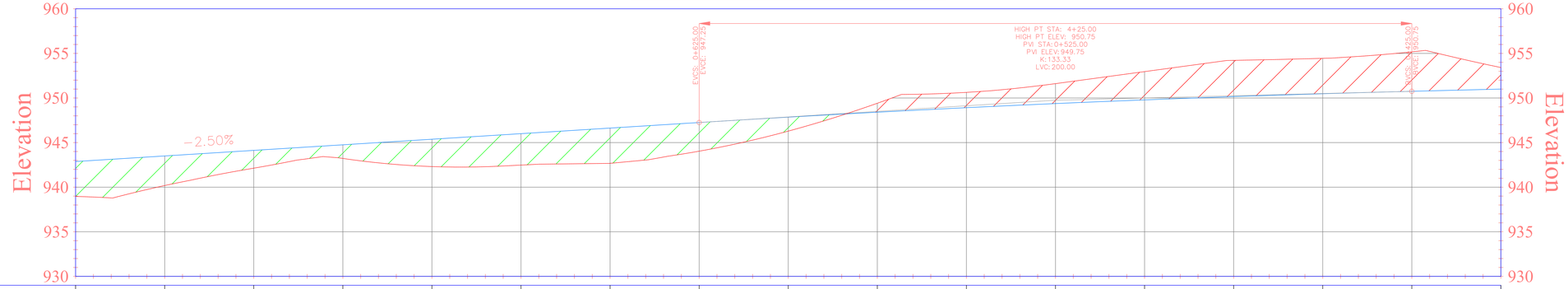
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	1
Date: 30.11.2015	
Scale: 1:500	



Station 0+400.00 - 0+800.00



Station	0+800	0+775	0+750	0+725	0+700	0+675	0+650	0+625	0+600	0+575	0+550	0+525	0+500	0+475	0+450	0+425	0+400
EG Elevation	938.96	940.18	942.13	943.22	942.31	942.48	942.67	944.04	946.28	949.41	950.63	951.61	952.96	954.22	954.44	955.17	953.42
Design Elevation	942.88	943.50	944.12	944.75	945.38	946.00	946.62	947.25	947.85	948.41	948.91	949.38	949.79	950.16	950.48	950.75	951.00
Cut Depth										1.00	1.71	2.23	3.17	4.06	3.97	4.42	2.42
Fill Depth	3.91	3.32	1.99	1.53	3.06	3.52	3.95	3.21	1.57								

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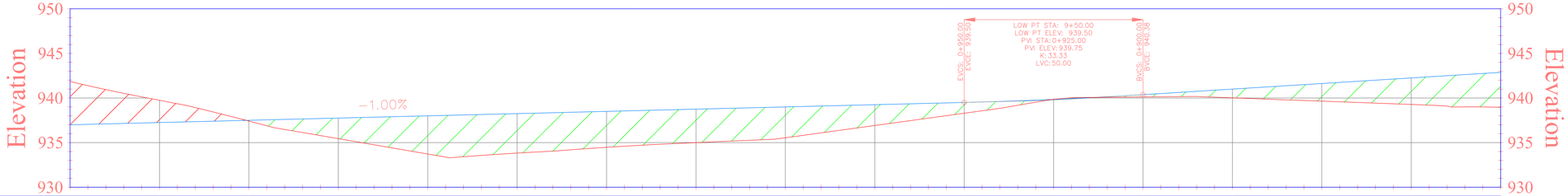
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project: ABUDA'AJAN	Sheet: 2
Date: 30.11.2015	
Scale: 1:500	

Station 0+800.00 - 1+200.00



Station	1+200	1+175	1+150	1+125	1+100	1+075	1+050	1+025	1+000	0+975	0+950	0+925	0+900	0+875	0+850	0+825	0+800
EG Elevation	941.85	939.74	937.42	935.45	933.72	933.83	934.47	935.00	935.54	936.92	938.29	939.87	940.12	940.02	939.65	939.28	938.96
Design Elevation	937.00	937.25	937.50	937.75	938.00	938.25	938.50	938.75	939.00	939.25	939.50	939.84	940.38	941.00	941.62	942.25	942.88
Cut Depth	4.85	2.49										0.02					
Fill Depth			0.08	2.30	4.28	4.42	4.03	3.75	3.46	2.33	1.21		0.26	0.98	1.98	2.97	3.91

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Legend :
- Proposed Centerline
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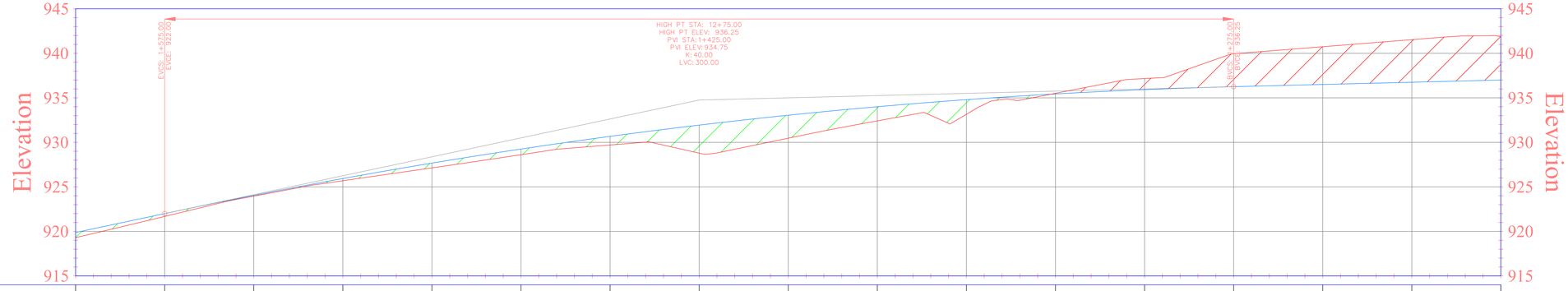
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project: ABUDA'AJAN
Sheet: 3
Date: 30.11.2015
Scale: 1:500

Station 1+200.00 - 1+600.00



Station	1+600	1+575	1+550	1+525	1+500	1+475	1+450	1+425	1+400	1+375	1+350	1+325	1+300	1+275	1+250	1+225	1+200
EG Elevation	919.30	921.68	923.96	925.69	927.13	928.61	929.70	928.79	930.47	932.41	933.15	935.51	937.17	939.95	940.74	941.53	941.85
Design Elevation	919.88	922.00	924.05	925.94	927.67	929.25	930.67	931.94	933.05	934.00	934.80	935.44	935.92	936.25	936.50	936.75	937.00
Cut Depth												0.07	1.24	3.70	4.24	4.78	4.85
Fill Depth	0.57	0.32	0.09	0.25	0.54	0.64	0.97	3.15	2.58	1.59	1.65						

Palestine Polytechnic University
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Civil & Arch. Department
Surveying & Geomatics Engineering

N

Legend :
- Proposed Centerline
- Design Profile
- Asphalt
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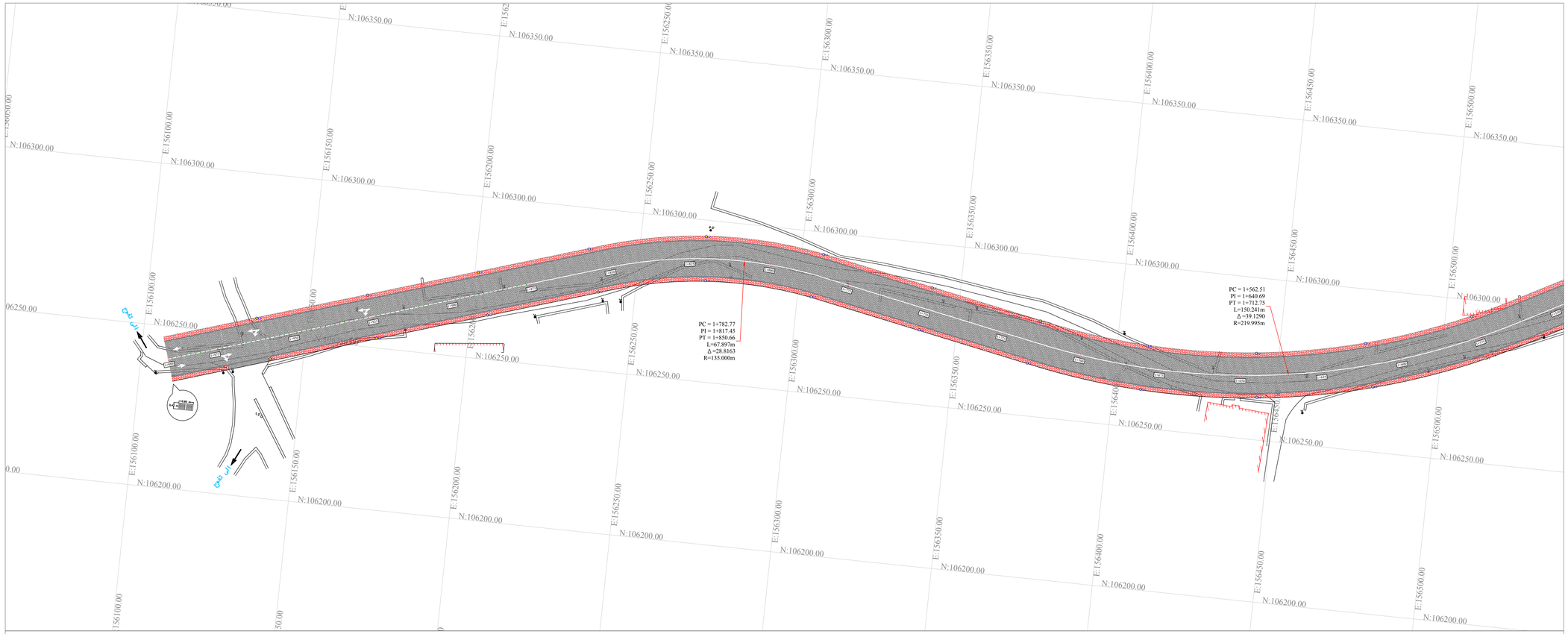
- Building
- Light Pole

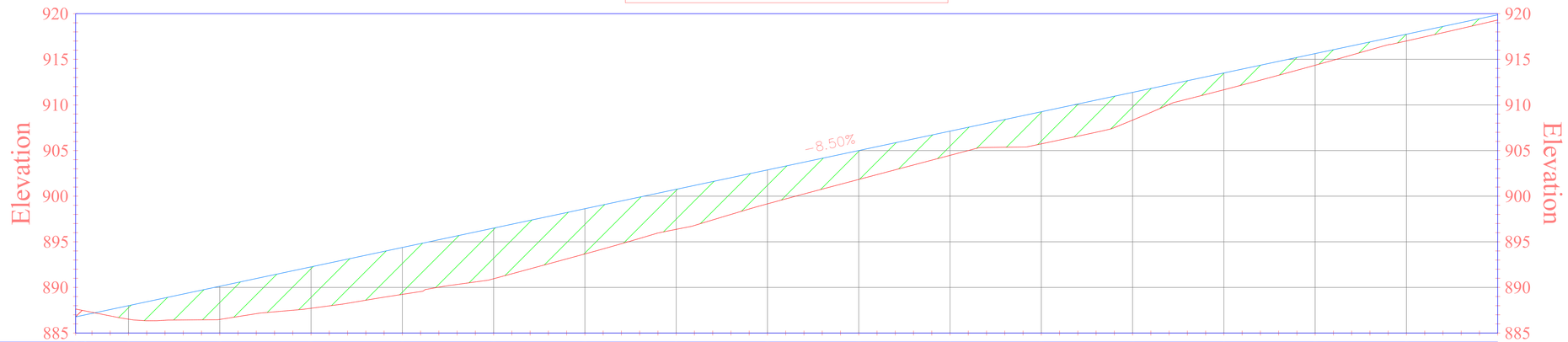
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	4
Date: 30.11.2015	
Scale: 1:500	



Station 1+600.00 - 1+989.48



Station	1+989.48	1+975	1+950	1+925	1+900	1+875	1+850	1+825	1+800	1+775	1+750	1+725	1+700	1+675	1+650	1+625	1+600
EG Elevation	887.63	886.52	886.49	887.71	889.24	890.95	893.67	896.37	899.16	901.83	904.47	905.73	908.33	911.66	914.35	917.01	919.30
Design Elevation	886.77	888.00	890.12	892.25	894.38	896.50	898.62	900.75	902.88	905.00	907.12	909.25	911.38	913.50	915.62	917.75	919.88
Cut Depth	0.86																
Fill Depth		1.48	3.64	4.54	5.14	5.55	4.96	4.38	3.72	3.17	2.65	3.52	3.04	1.84	1.28	0.74	0.57

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Legend :
- Proposed Centerline
- Design Profile
- Asphalt
- Sidewalk
- Curb Stone
- Building
- Light Pole

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	5
Date: 30.11.2015	
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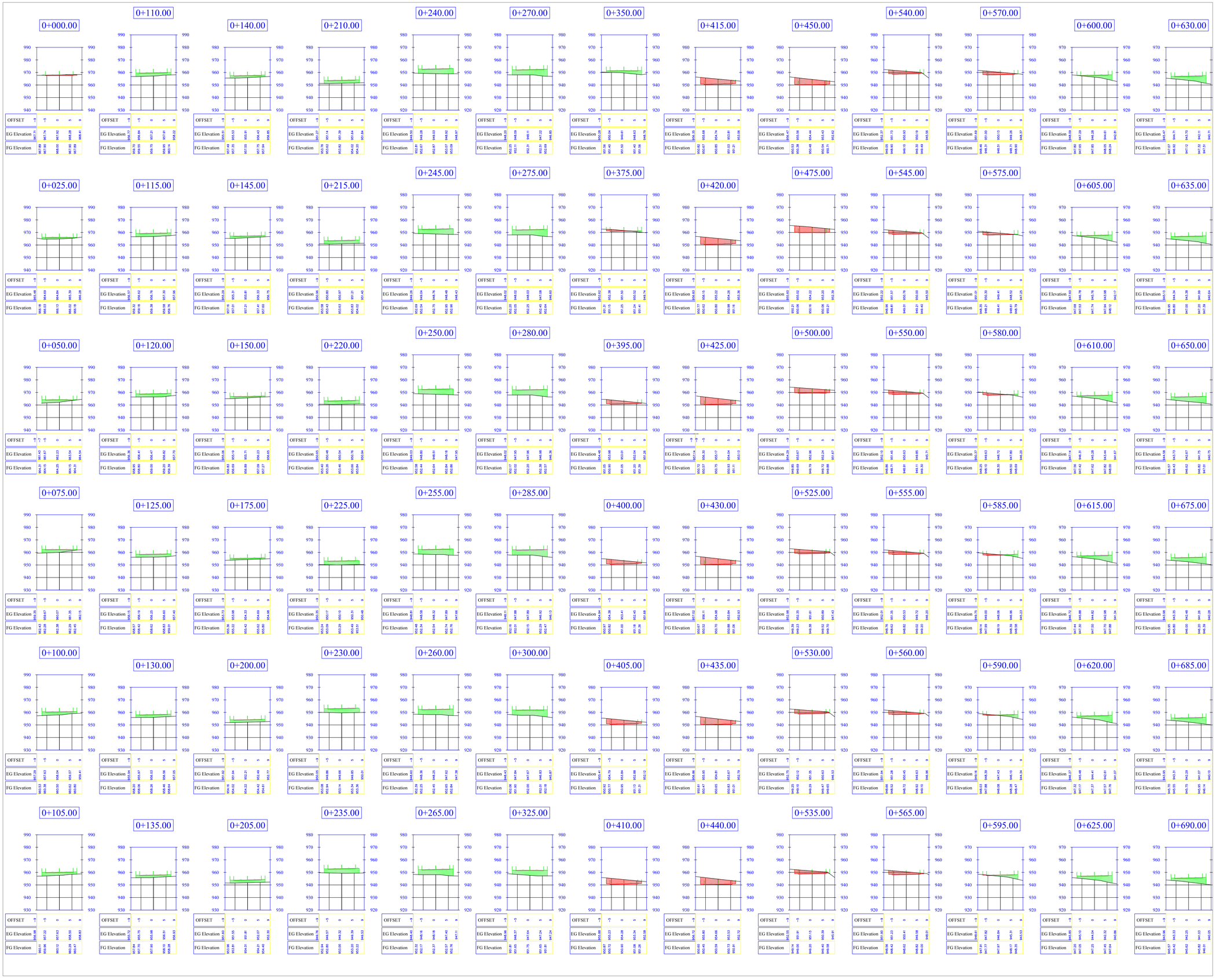

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Legend :

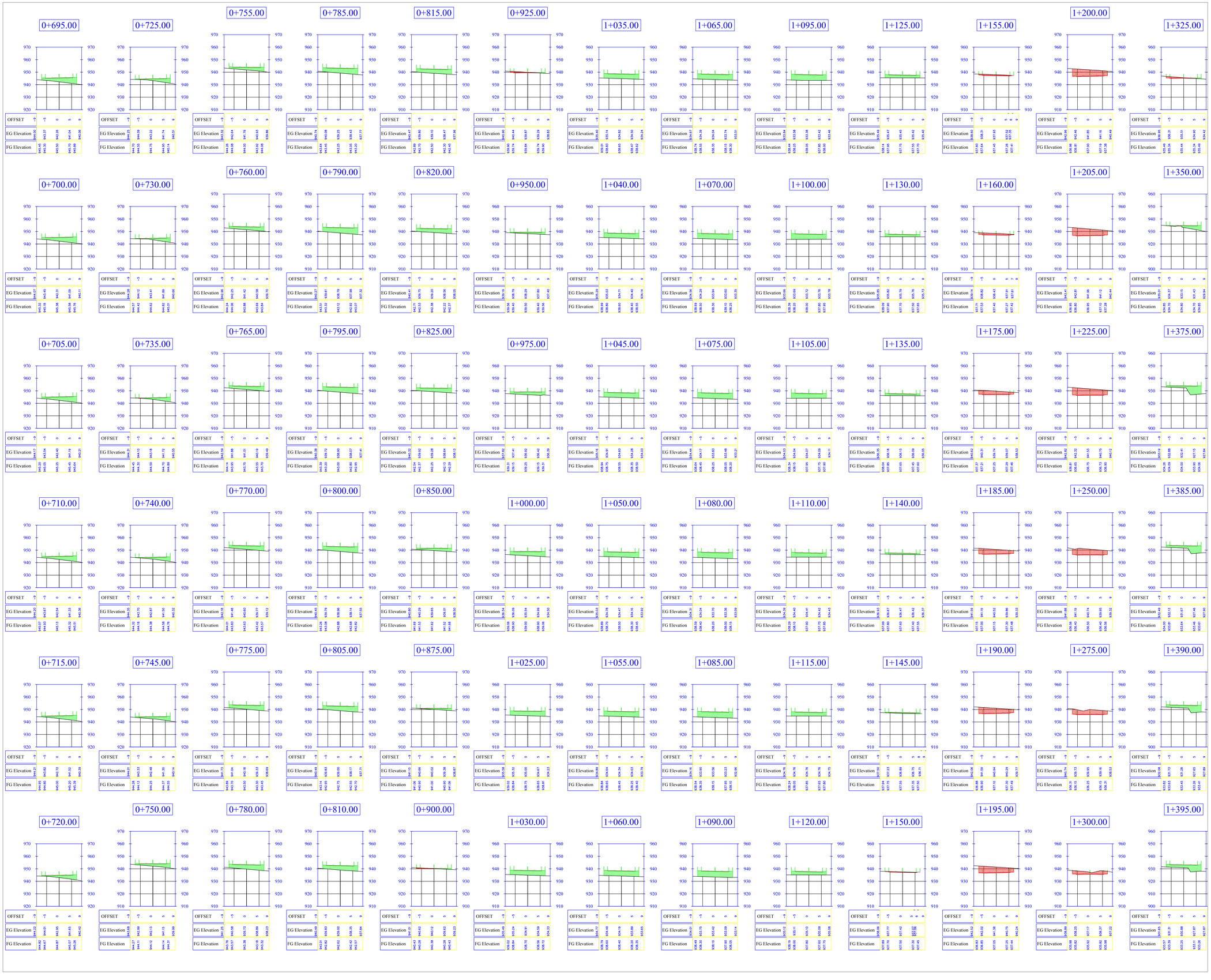
Cut Area

Fill Area

Work Group :
Tareq Amro
Hussam Hasouneh
Asem Seder
Mhmd Alfakhori

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	6
Date: 30.11.2015	
Scale: 1:500	



Palestine Polytechnic University
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Surveying & Geomatics Engineering

Legend :

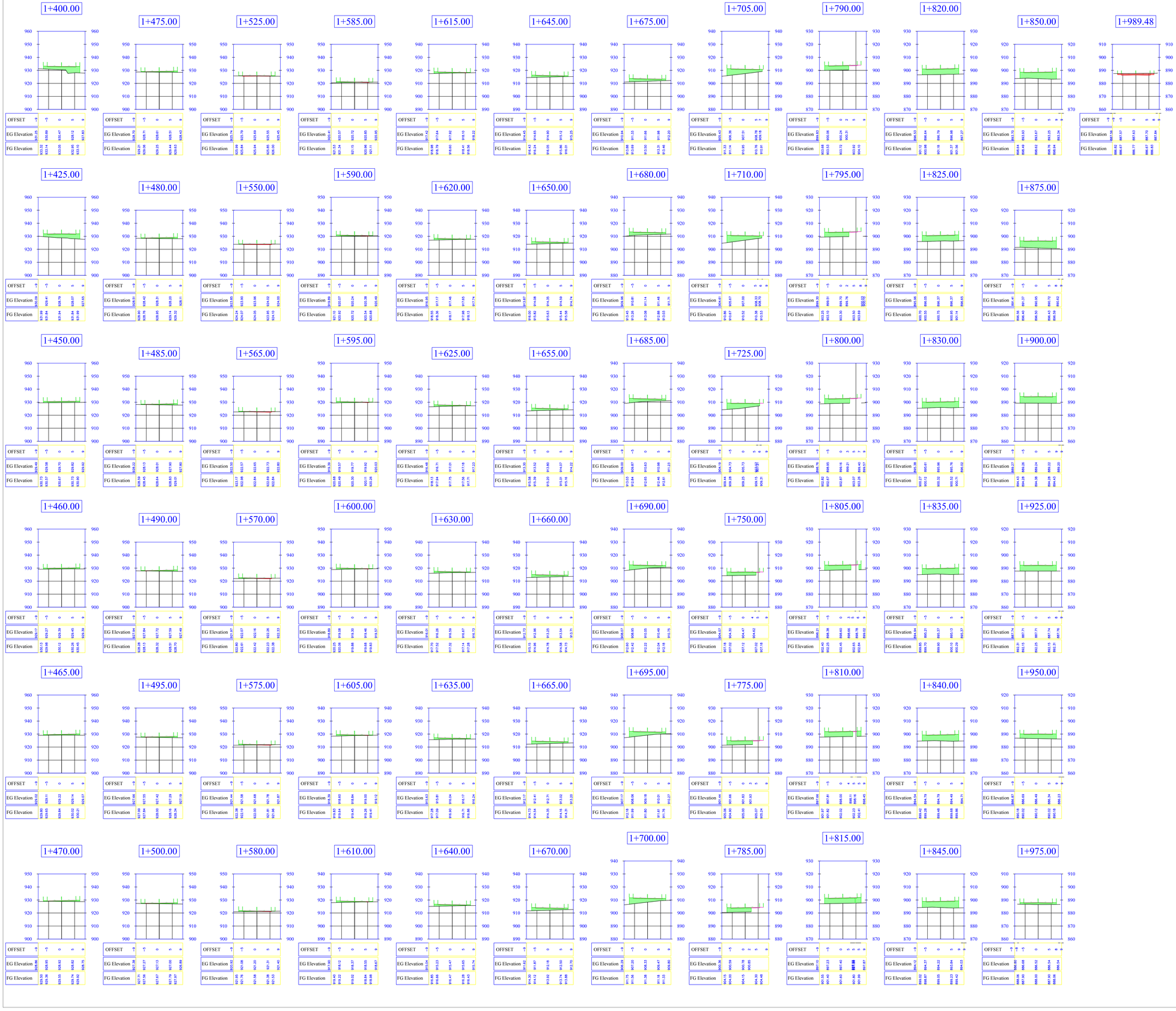
Cut Area

Fill Area

Work Group :
Tareq Amro
Hussam Hasouneh
Asem Seder
Mhmd Alfakhori

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	7
Date: 30.11.2015	
Scale: 1:500	



Palestine Polytechnic University
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Civil & Arch. Department
Surveying & Geomatics Engineering

Legend :

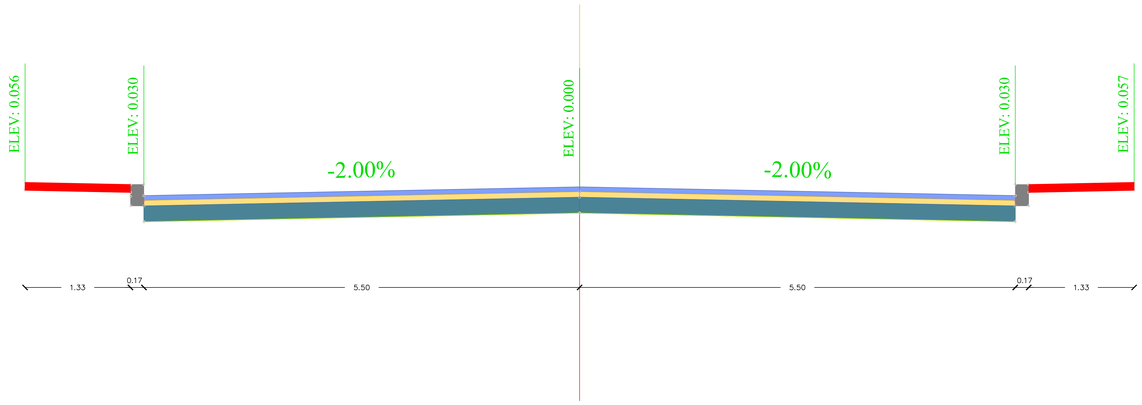
Cut Area

Fill Area

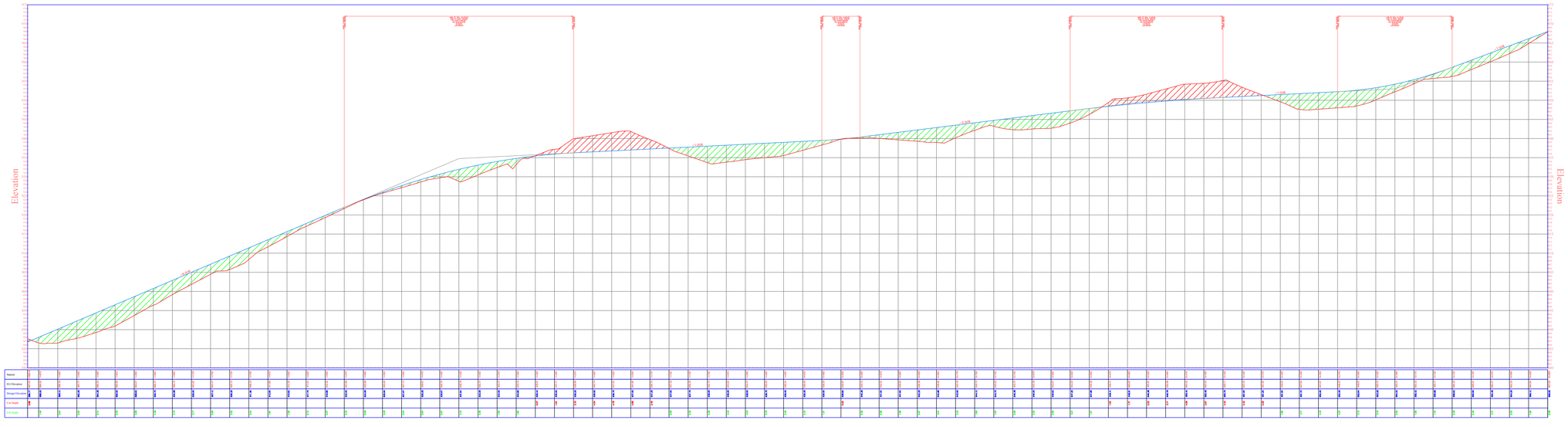
Work Group :
Tareq Amro
Hussam Hasouneh
Asem Seder
Mhmd Alfakhori

Supervisor :
Eng. Faydi Shabaneh

Project: ABUDA'AJAN	Sheet: 8
Date: 30.11.2015	
Scale: 1:500	



Centerline-Proposed PROFILE



Palestine Polytechnic University
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Civil & Arch. Department
Surveying & Geomatics Engineering

N

Legend :

Cut Area

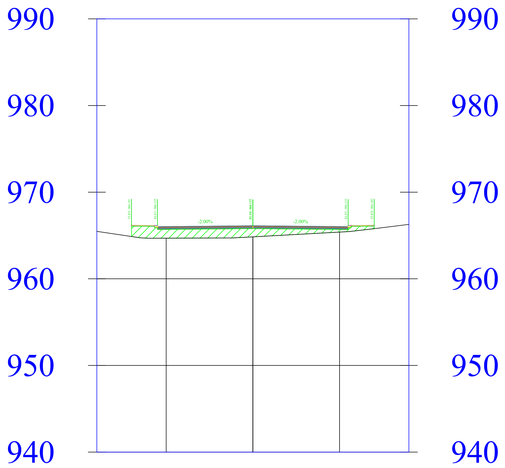
Fill Area

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

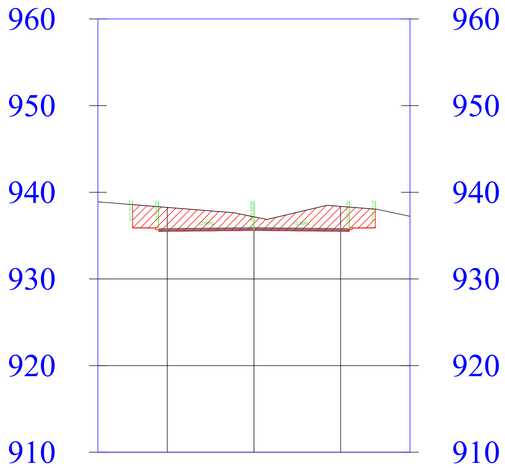
Project: ABUDA'AJAN	Sheet: 9
Date: 30.11.2015	
Scale: FIT	

0+025.00



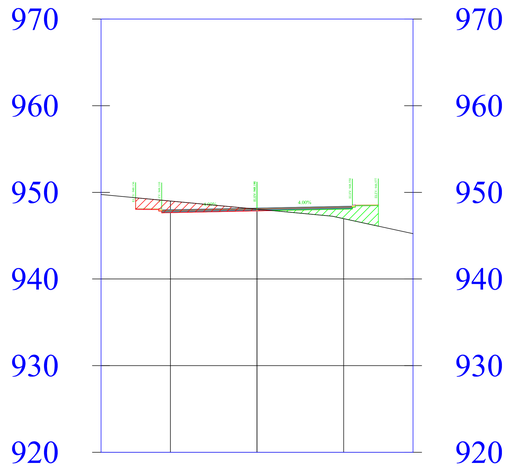
OFFSET	-9	-5	0	5	9
EG Elevation	965.48	964.69	964.84	965.39	966.28
FG Elevation		966.18	966.03	966.13	966.02	966.18

1+300.00



OFFSET	-9	-5	0	5	9
EG Elevation	938.89	938.25	937.17	938.37	937.22
FG Elevation		935.98	935.82	935.92	935.82	935.98

0+585.00



OFFSET	-9	-5	0	5	9
EG Elevation	949.75	949.00	948.06	946.96	945.23
FG Elevation		948.14	947.99	948.19	948.39	948.58

Palestine Polytechnic University
College Of Engineering
Civil & Arch. Department
Surveying & Geomatics Engineering

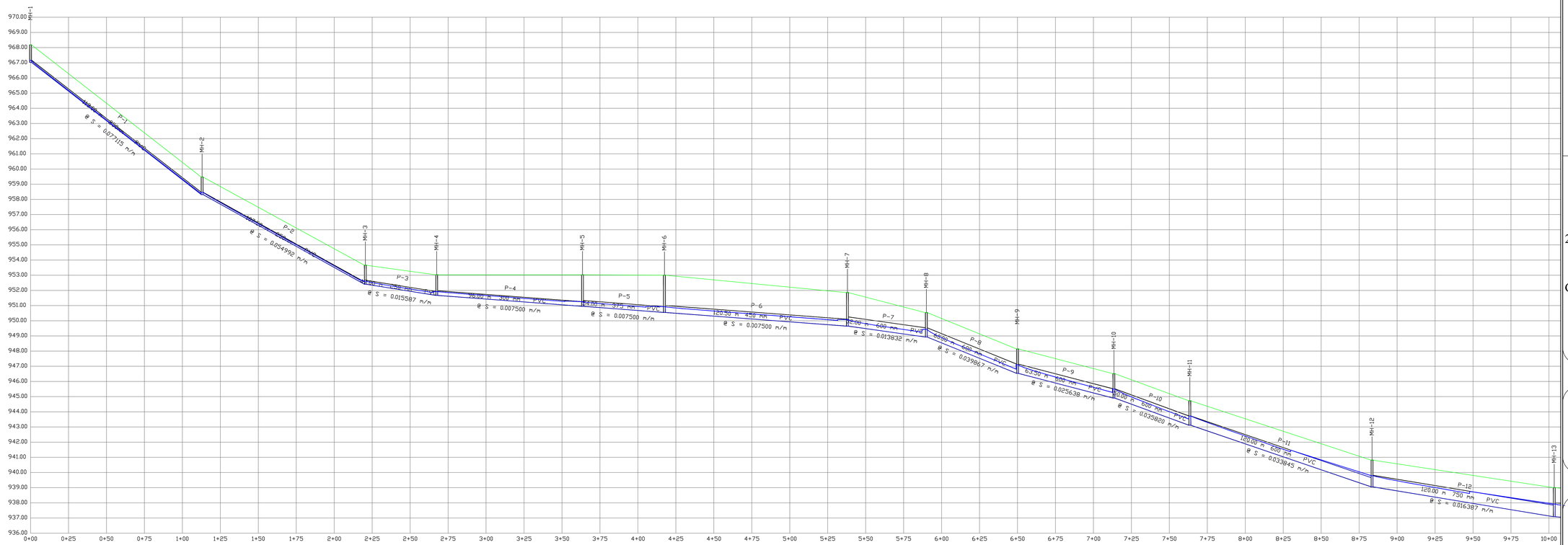
N

Legend :

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	10
Date: 30.11.2015	
Scale: 1:125	



POINT NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13
MANHOLE NUMBER	MH1	MH2	MH3	MH-4	MH-5	MH-6	MH-7	MH-8	MH-9	MH-10	MH-11	MH-12	MH-13
STATION	0+00	1+12.5	2+20.5	2+68	3+64	4+18	5+38	5+90	6+50	7+14	7+64	8+84	10+04
GROUND ELEVATOIN	968.18	959.47	953.66	953.03	953 .03	953	951.86	950.53	948.14	946.51	944.72	940.81	939
INVERT ELEVATION	967.03	958.32	952.4	951.67	950.95	950.55	949.64	948.92	946.53	944.90	943.11	939.05	937.09
DEPTH OF MANHOLES	1.15	1.15	1.26	1.36	2.08	2.45	2.22	1.61	1.61	1.61	1.61	1.76	1.91
DISTANCE OF MANHLE (M)		113	107.5	47	96	54	120.5	52	60	63.5	50	120	120
PIPE DIAMETER (mm)		250	250	250	300	375	450	450	450	600	600	600	750
PIPE SLOPE (%)		0.07	0.05	0.015	0.0075	0.0075	0.0075	0.014	0.04	0.03	0.04	0.03	0.02
TYPE OF SURFACE	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC

N

NOTES:

1- All Pipe Diameter In (mm)

2- All Pipe length In (Merers)

Ground Elevation

Manholes

Hydraulic Grade

project title :

Design of Abu Da'ajan Road

Project Team:
Asem seder
Mohamad Al Fhakhory
Tareq amro
Hussam Hasoune

Project Supervisor:

Eng. FAYDI SHABANEH

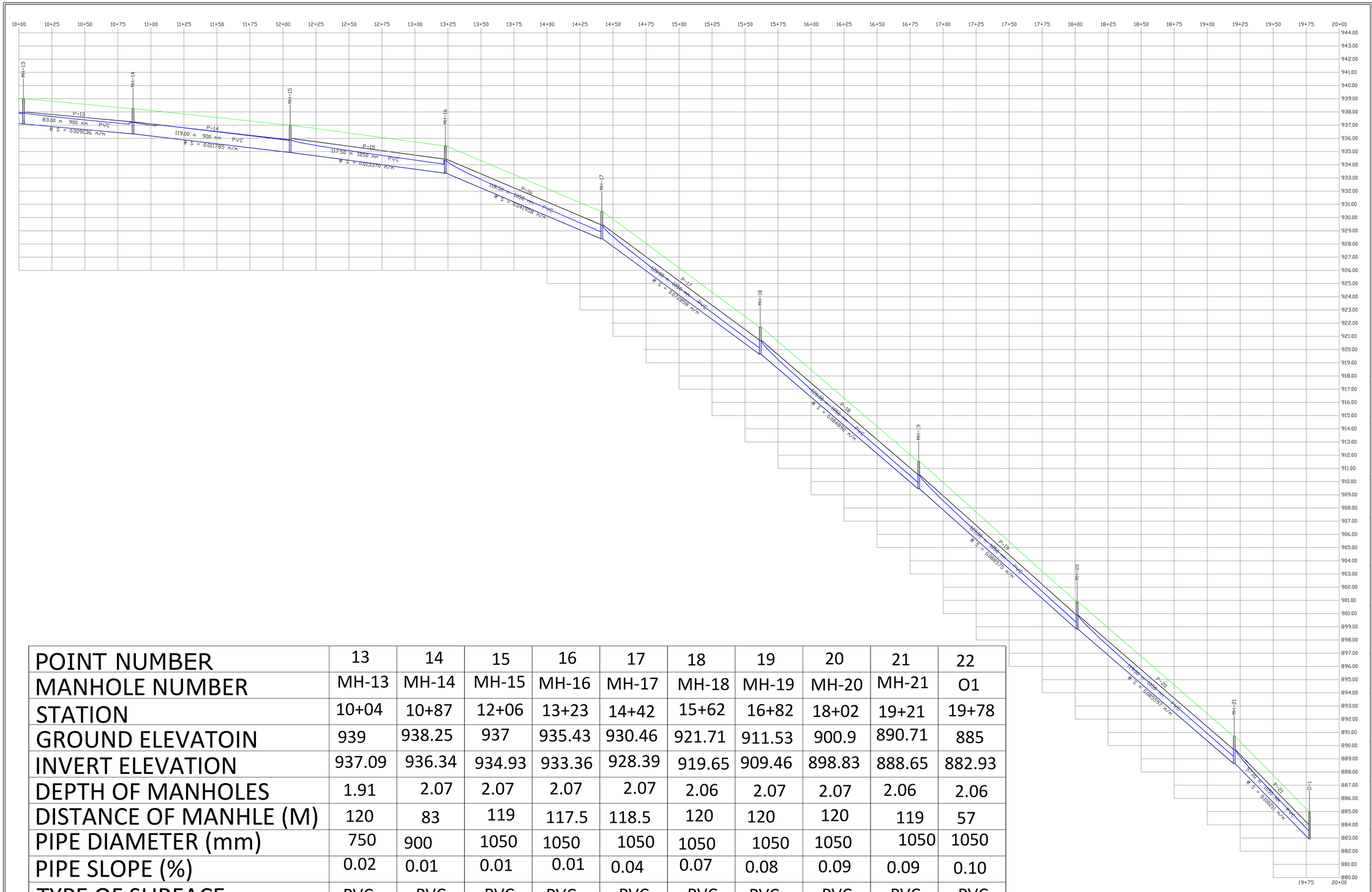
Drawing Title :

Pipe Profile 1

Sheet : 11

Scale :1/1000

Dec/1/2015



POINT NUMBER	13	14	15	16	17	18	19	20	21	22
MANHOLE NUMBER	MH-13	MH-14	MH-15	MH-16	MH-17	MH-18	MH-19	MH-20	MH-21	O1
STATION	10+04	10+87	12+06	13+23	14+42	15+62	16+82	18+02	19+21	19+78
GROUND ELEVATOIN	939	938.25	937	935.43	930.46	921.71	911.53	900.9	890.71	885
INVERT ELEVATION	937.09	936.34	934.93	933.36	928.39	919.65	909.46	898.83	888.65	882.93
DEPTH OF MANHOLES	1.91	2.07	2.07	2.07	2.07	2.06	2.07	2.07	2.06	2.06
DISTANCE OF MANHLE (M)	120	83	119	117.5	118.5	120	120	120	119	57
PIPE DIAMETER (mm)	750	900	1050	1050	1050	1050	1050	1050	1050	1050
PIPE SLOPE (%)	0.02	0.01	0.01	0.01	0.04	0.07	0.08	0.09	0.09	0.10
TYPE OF SURFACE	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC

N

NOTES:

1- All Pipe Diameter In (mm)

2- All Pipe length In (Merers)

Ground Elevation

Manholes

Hydraulic Grade

project title :

Design of Abu Da'ajan Road

Project Team:
Asem seder
Mohamad Al Fhakhory
Tareq amro
Hussam Hasoune

Project Supervisor:

Eng. FAYDI SHABANEH

Drawing Title :

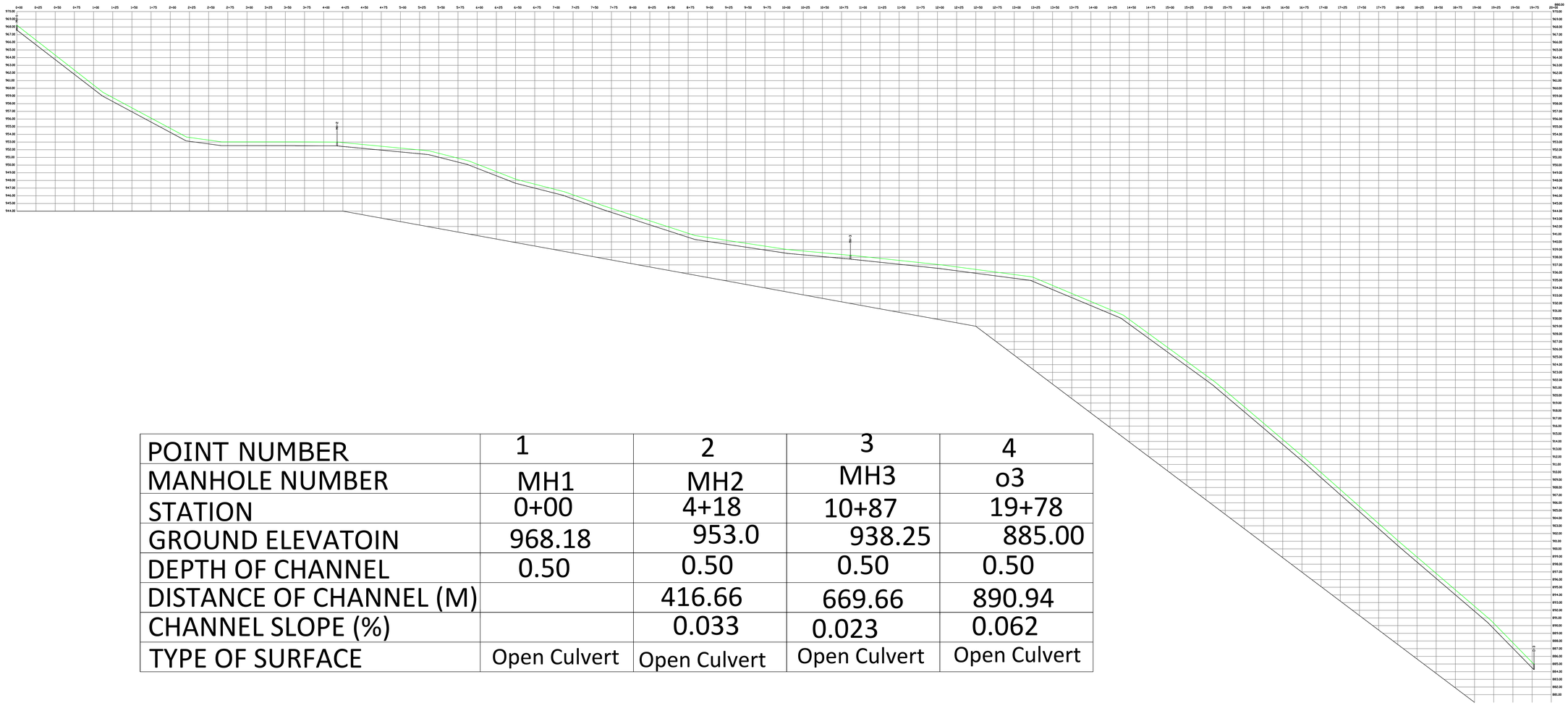
Pipe Profile 2

Sheet :

12

Scale :1/1000

Dec/1/2015



POINT NUMBER	1	2	3	4
MANHOLE NUMBER	MH1	MH2	MH3	o3
STATION	0+00	4+18	10+87	19+78
GROUND ELEVATOIN	968.18	953.0	938.25	885.00
DEPTH OF CHANNEL	0.50	0.50	0.50	0.50
DISTANCE OF CHANNEL (M)		416.66	669.66	890.94
CHANNEL SLOPE (%)		0.033	0.023	0.062
TYPE OF SURFACE	Open Culvert	Open Culvert	Open Culvert	Open Culvert

N

NOTES:

1- All Elevation In (m)

2- All lengths In (Merers)

Ground Elevation

Manholes

project title :

Design of Abu Da'ajan Road

Project Team:
Asem seder
Mohamad Al Fhakhory
Tareq amro
Hussam Hasoune

Project Supervisor:

Eng. FAYDI SHABANEH

Drawing Title :

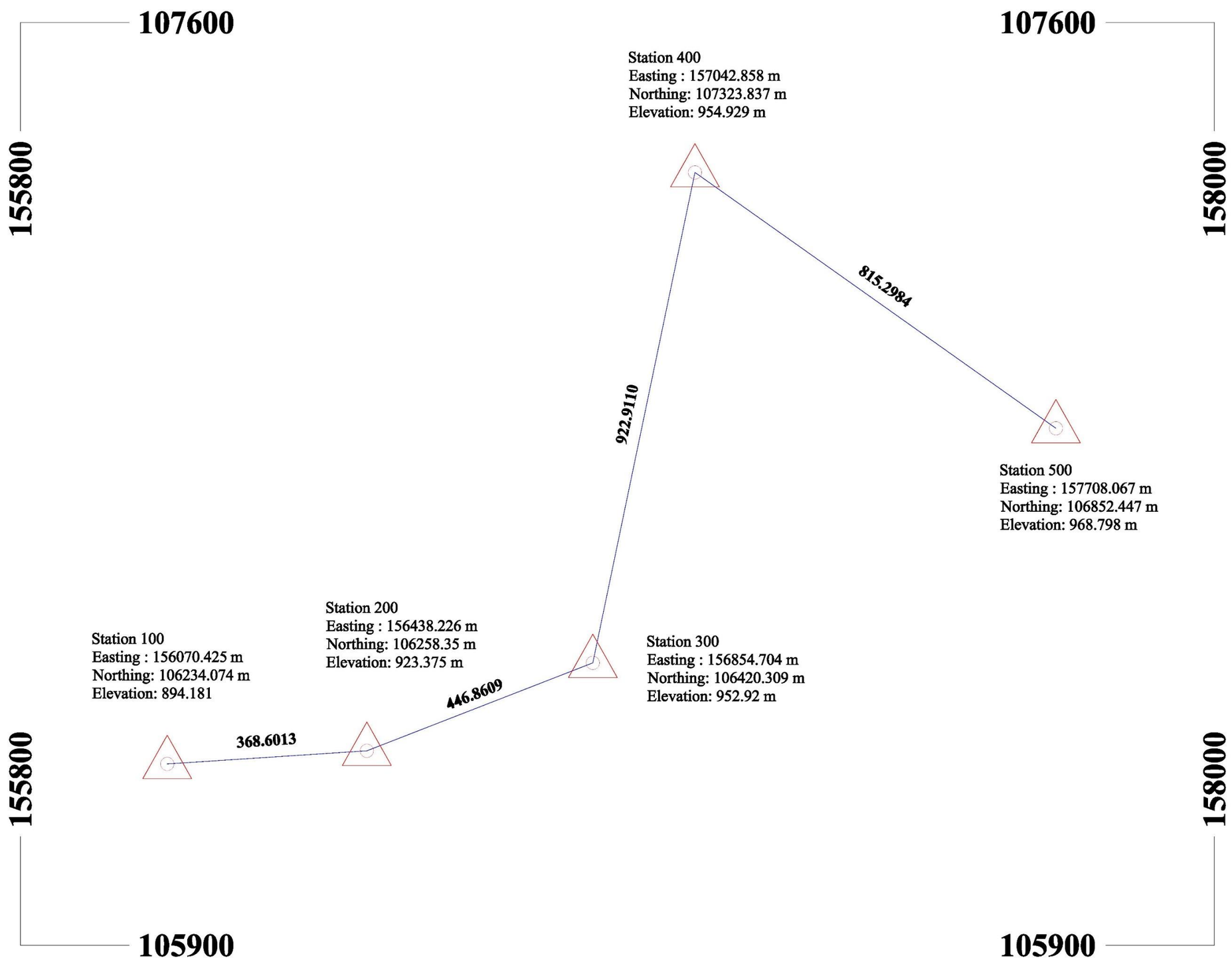
Open Channel Profile

Sheet :

13

Scale :To fit

Dec/1/2015


107600
158000
155800
105900
Station 400
Easting : 157042.858 m
Northing: 107323.837 m
Elevation: 954.929 m
815.2984
922.9110
Station 500
Easting : 157708.067 m
Northing: 106852.447 m
Elevation: 968.798 m
Station 200
Easting : 156438.226 m
Northing: 106258.35 m
Elevation: 923.375 m
Station 100
Easting : 156070.425 m
Northing: 106234.074 m
Elevation: 894.181
Station 300
Easting : 156854.704 m
Northing: 106420.309 m
Elevation: 952.92 m
446.8609
368.6013

Abu Da'ajan Road

Farsh AlHawa Street

Abdul Qadir al-Qawasmi Elementary Girls School

Alheimona Roundabout

Al-Safa Mosque

156100 156400 156700 157000 157300 157600

107000 106800 106600 106400 106200 106000

Project Team:
Hussam Basam Hasona
Asem Mohammed Najeeb Seder
Tareq Othman Amro
Muhammed Abdulghaffar AlFakhori

Supervisor:
ENG. Faydi Shabaneh

Data Source:
PPU GIS Lap , Hebron Municipality

Legend

Abu Da'ajan Road

Hebron Municipal Boundaries

0 50 100 200 300 400 Meters

Project Area

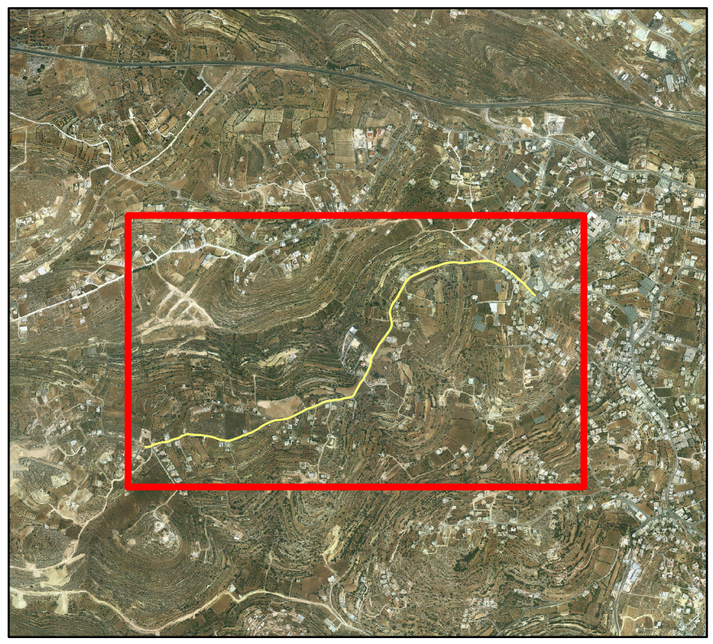
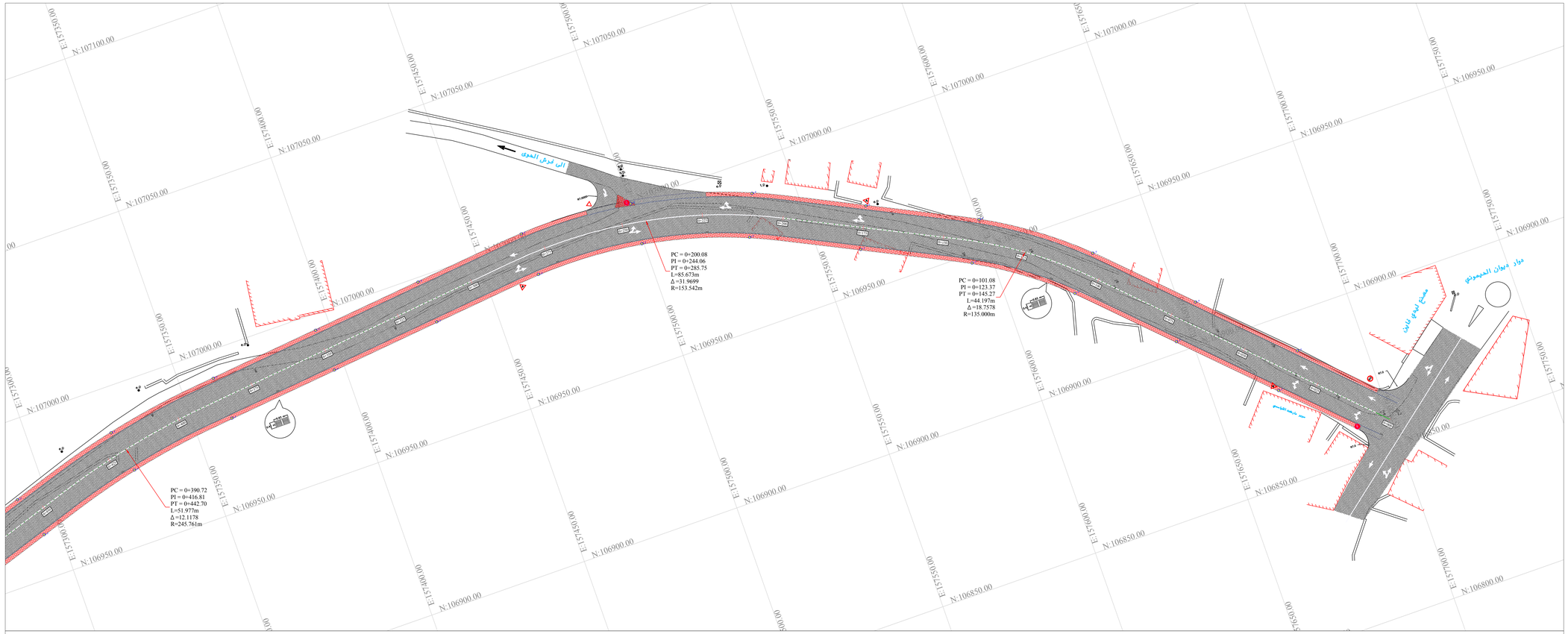
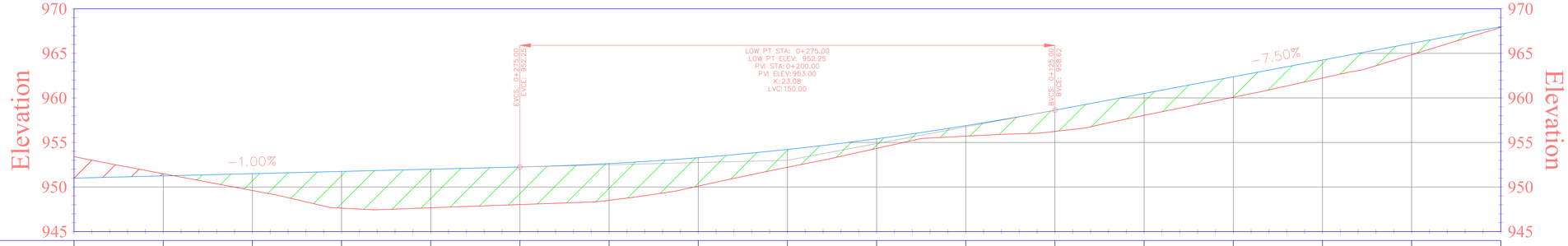


Table of Content

Plan - Profile View STA 0+000 - STA 0+400	**Sheet 1**
Plan - Profile View STA 0+400 - STA 0+800	**Sheet 2**
Plan - Profile View STA 0+800 - STA 1+200	**Sheet 3**
Plan - Profile View STA 1+200 - STA 1+600	**Sheet 4**
Plan - Profile View STA 1+600 - STA 1+989.48	**Sheet 5**
Cross Section View STA 0+000 - STA 0+690	**Sheet 6**
Cross Section View STA 0+695 - STA 1+395	**Sheet 7**
Cross Section View STA 1+395 - STA 1+989.48	**Sheet 8**
Design Profile And Assembly	**Sheet 9**
Cross Section Detail	**Sheet 10**
Storm Pipe Design STA 0+000 - STA 1+000	**Sheet 11**
Storm Pipe Design STA 1+000 - STA 1+989.48	**Sheet 12**
Open Channel Design	**Sheet 13**



Station 0+000.00 - 0+400.00



Station	0+400	0+375	0+350	0+325	0+300	0+275	0+250	0+225	0+200	0+175	0+150	0+125	0+100	0+075	0+050	0+025	0+000
EG Elevation	953.42	951.50	949.61	947.64	947.67	948.03	948.51	950.10	952.21	954.33	955.71	956.25	958.04	960.07	962.23	964.84	967.92
Design Elevation	951.00	951.25	951.50	951.75	952.00	952.25	952.64	953.29	954.22	955.42	956.89	958.62	960.50	962.38	964.25	966.12	968.00
Cut Depth	2.42	0.25															
Fill Depth			1.89	4.11	4.33	4.22	4.12	3.19	2.00	1.08	1.18	2.38	2.46	2.31	2.02	1.29	0.08

Palestine Polytechnic University
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Surveying & Geomatics Engineering

N

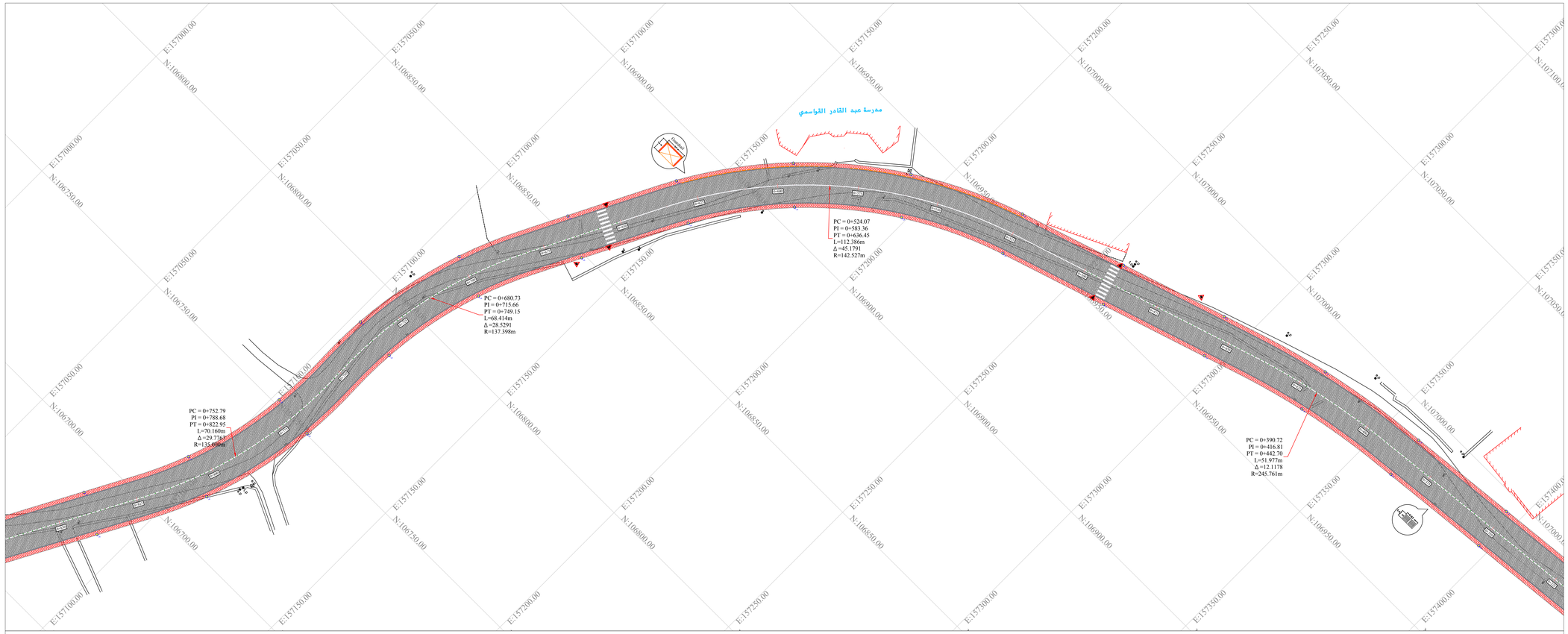
Legend :

- Proposed Centerline
- Design Profile
- Asphalt
- Sidewalk
- Curb Stone
- Building
- Light Pole

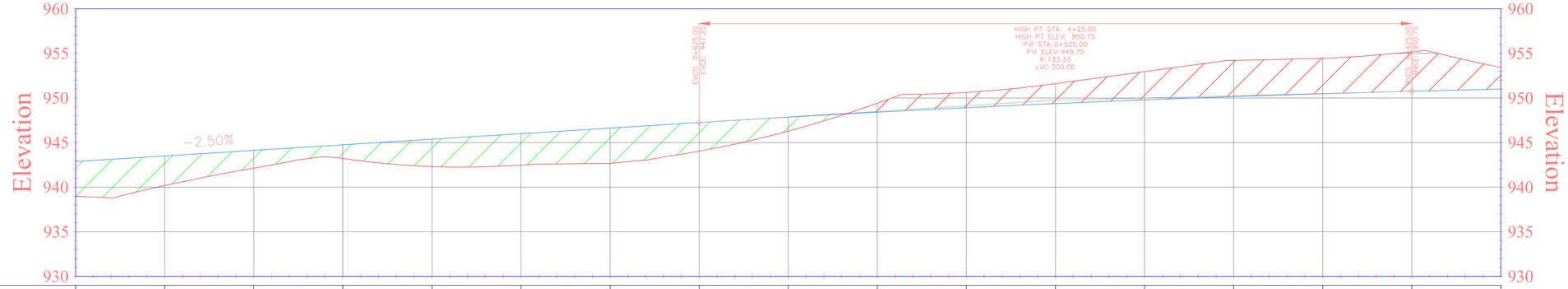
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	1
Date: 30.11.2015	
Scale: 1:500	



Station 0+400.00 - 0+800.00



Station	0+800	0+775	0+750	0+725	0+700	0+675	0+650	0+625	0+600	0+575	0+550	0+525	0+500	0+475	0+450	0+425	0+400
EG Elevation	938.96	940.18	942.13	943.22	942.31	942.48	942.67	944.04	946.28	949.41	950.63	951.61	952.96	954.22	954.44	955.17	953.42
Design Elevation	942.88	943.50	944.12	944.75	945.38	946.00	946.62	947.25	947.85	948.41	948.91	949.38	949.79	950.16	950.48	950.75	951.00
Cut Depth										1.00	1.71	2.23	3.17	4.06	3.97	4.42	2.42
Fill Depth	3.91	3.32	1.99	1.53	3.06	3.52	3.95	3.21	1.57								

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Legend :

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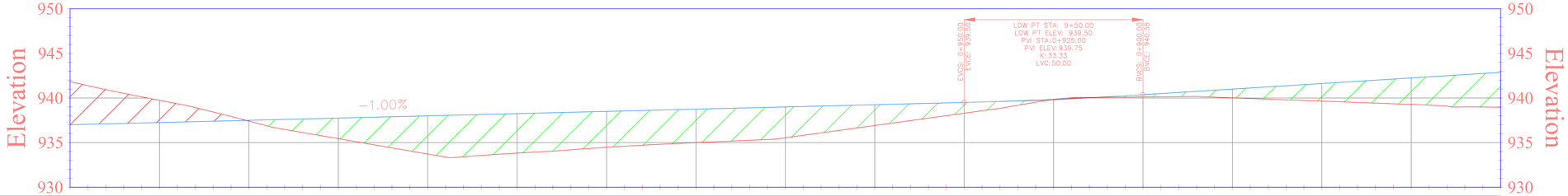
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project: ABUDA'AJAN	Sheet: 2
Date: 30.11.2015	
Scale: 1:500	

Station 0+800.00 - 1+200.00



Station	1+200	1+175	1+150	1+125	1+100	1+075	1+050	1+025	1+000	0+975	0+950	0+925	0+900	0+875	0+850	0+825	0+800
EG Elevation	941.85	939.74	937.42	935.45	933.72	933.83	934.47	935.00	935.54	936.92	938.29	939.87	940.12	940.02	939.65	939.28	938.96
Design Elevation	937.00	937.25	937.50	937.75	938.00	938.25	938.50	938.75	939.00	939.25	939.50	939.84	940.38	941.00	941.62	942.25	942.88
Cut Depth	4.85	2.49										0.02					
Fill Depth			0.08	2.30	4.28	4.42	4.03	3.75	3.46	2.33	1.21		0.26	0.98	1.98	2.97	3.91

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Surveying & Geomatics Engineering

Legend :
- Proposed Centerline
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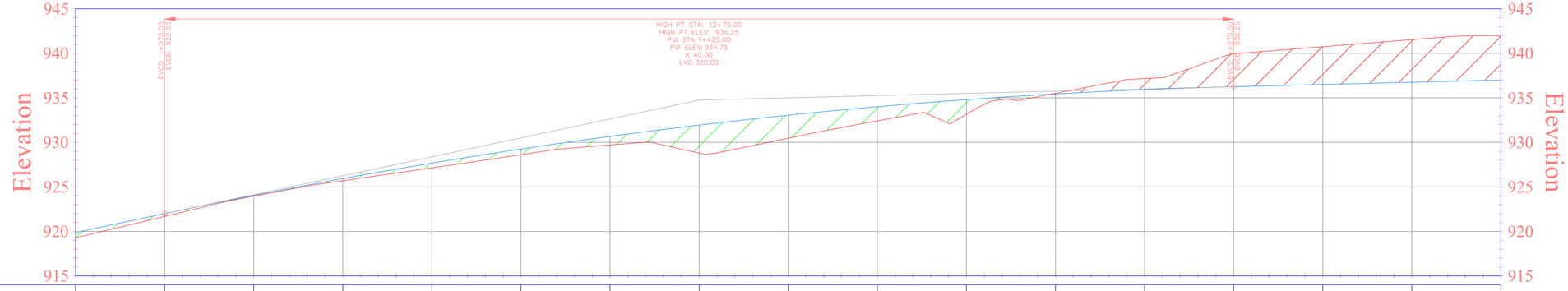
- Light Pole

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project: ABUDA'AJAN
Sheet: 3
Date: 30.11.2015
Scale: 1:500

Station 1+200.00 - 1+600.00



Station	1+600	1+575	1+550	1+525	1+500	1+475	1+450	1+425	1+400	1+375	1+350	1+325	1+300	1+275	1+250	1+225	1+200
EG Elevation	919.30	921.68	923.96	925.69	927.13	928.61	929.70	928.79	930.47	932.41	933.15	935.51	937.17	939.95	940.74	941.53	941.85
Design Elevation	919.88	922.00	924.05	925.94	927.67	929.25	930.67	931.94	933.05	934.00	934.80	935.44	935.92	936.25	936.50	936.75	937.00
Cut Depth												0.07	1.24	3.70	4.24	4.78	4.85
Fill Depth	0.57	0.32	0.09	0.25	0.54	0.64	0.97	3.15	2.58	1.59	1.65						

Palestine Polytechnic University
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Surveying & Geomatics Engineering

N

Legend :
- Proposed Centerline
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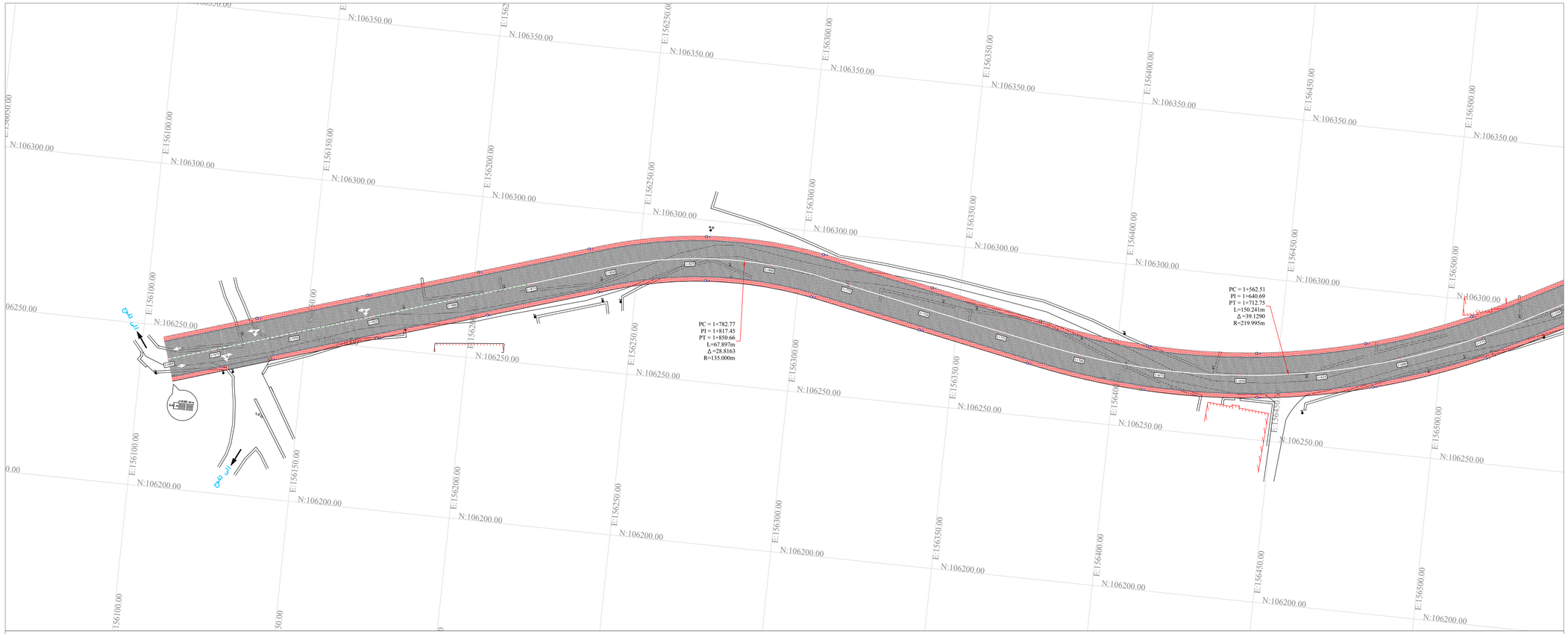
- Light Pole

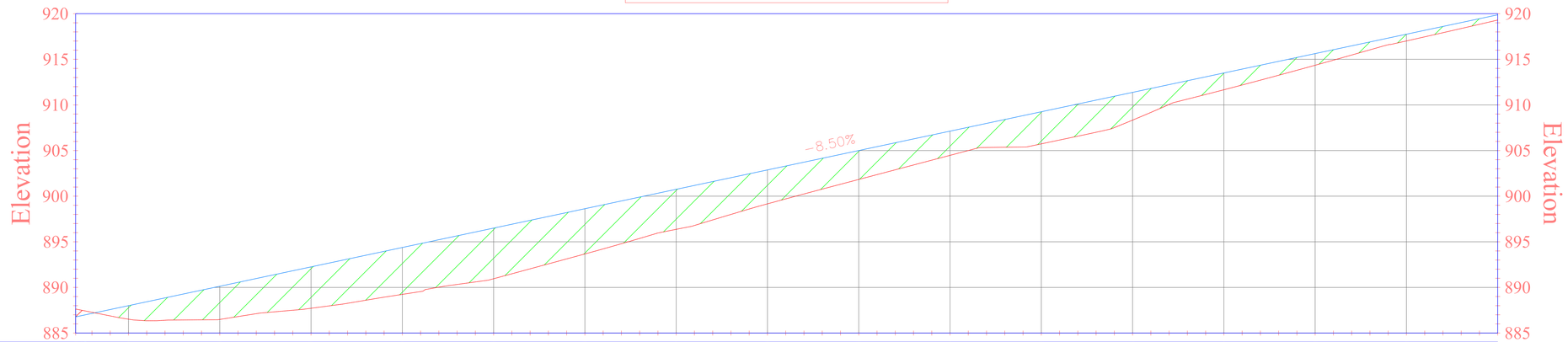
Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	4
Date: 30.11.2015	
Scale: 1:500	



Station 1+600.00 - 1+989.48



Station	1+989.48	1+975	1+950	1+925	1+900	1+875	1+850	1+825	1+800	1+775	1+750	1+725	1+700	1+675	1+650	1+625	1+600
EG Elevation	887.63	886.52	886.49	887.71	889.24	890.95	893.67	896.37	899.16	901.83	904.47	905.73	908.33	911.66	914.35	917.01	919.30
Design Elevation	886.77	888.00	890.12	892.25	894.38	896.50	898.62	900.75	902.88	905.00	907.12	909.25	911.38	913.50	915.62	917.75	919.88
Cut Depth	0.86																
Fill Depth		1.48	3.64	4.54	5.14	5.55	4.96	4.38	3.72	3.17	2.65	3.52	3.04	1.84	1.28	0.74	0.57

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Surveying & Geomatics Engineering

Legend :
- Proposed Centerline
- Design Profile
- Asphalt
- Sidewalk
- Curb Stone
- Building
- Light Pole

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	5
Date: 30.11.2015	
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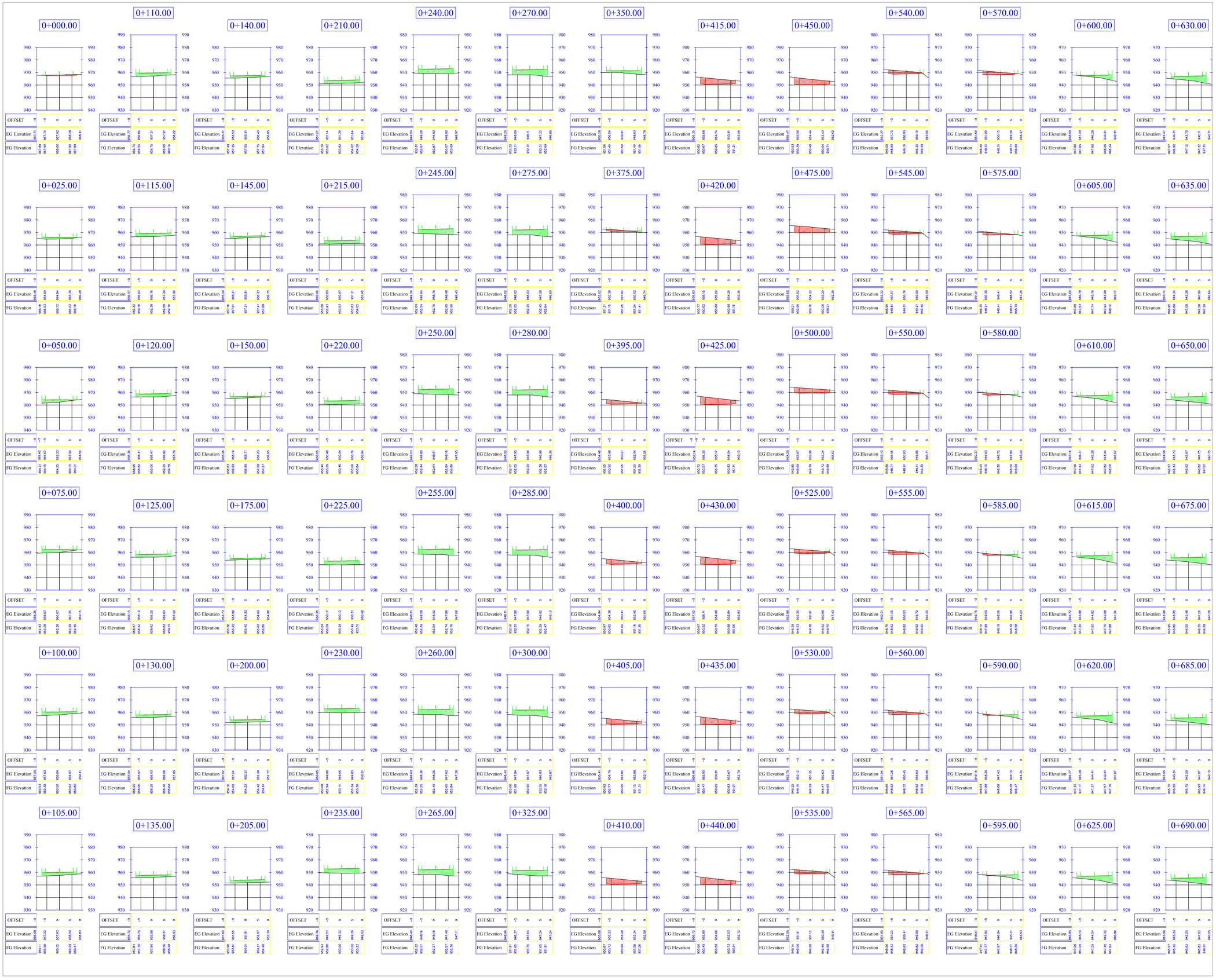


Palestine Polytechnic University
College Of Engineering
Civil & Arch. Department
Surveying & Geomatics Engineering

Legend :

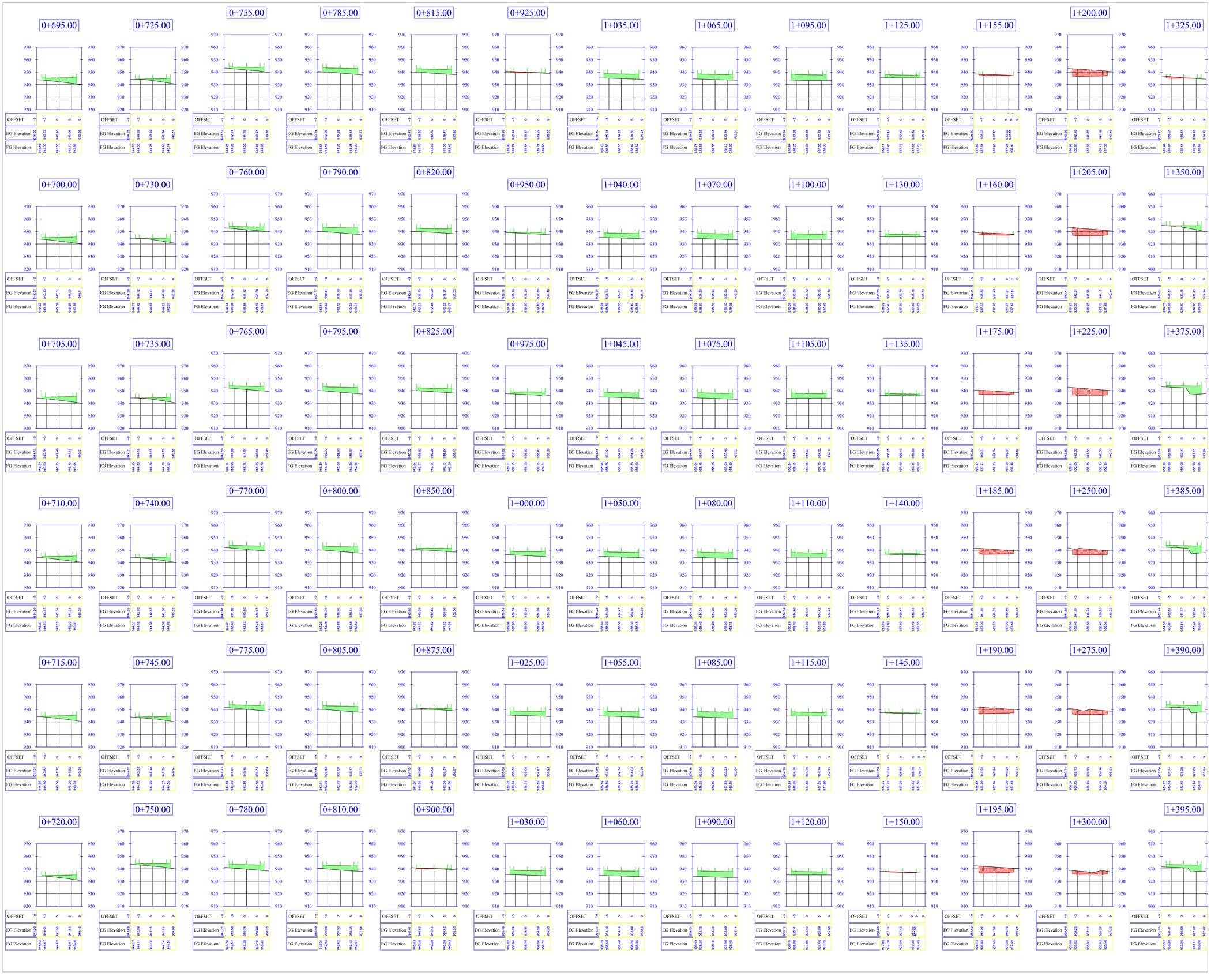
Cut Area

Fill Area

Work Group :
Tareq Amro
Hussam Hasouneh
Asem Seder
Mhmd Alfakhori

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	6
Date: 30.11.2015	
Scale: 1:500	



Palestine Polytechnic University
College Of Engineering
Civil & Arch. Department
Surveying & Geomatics Engineering

Legend :

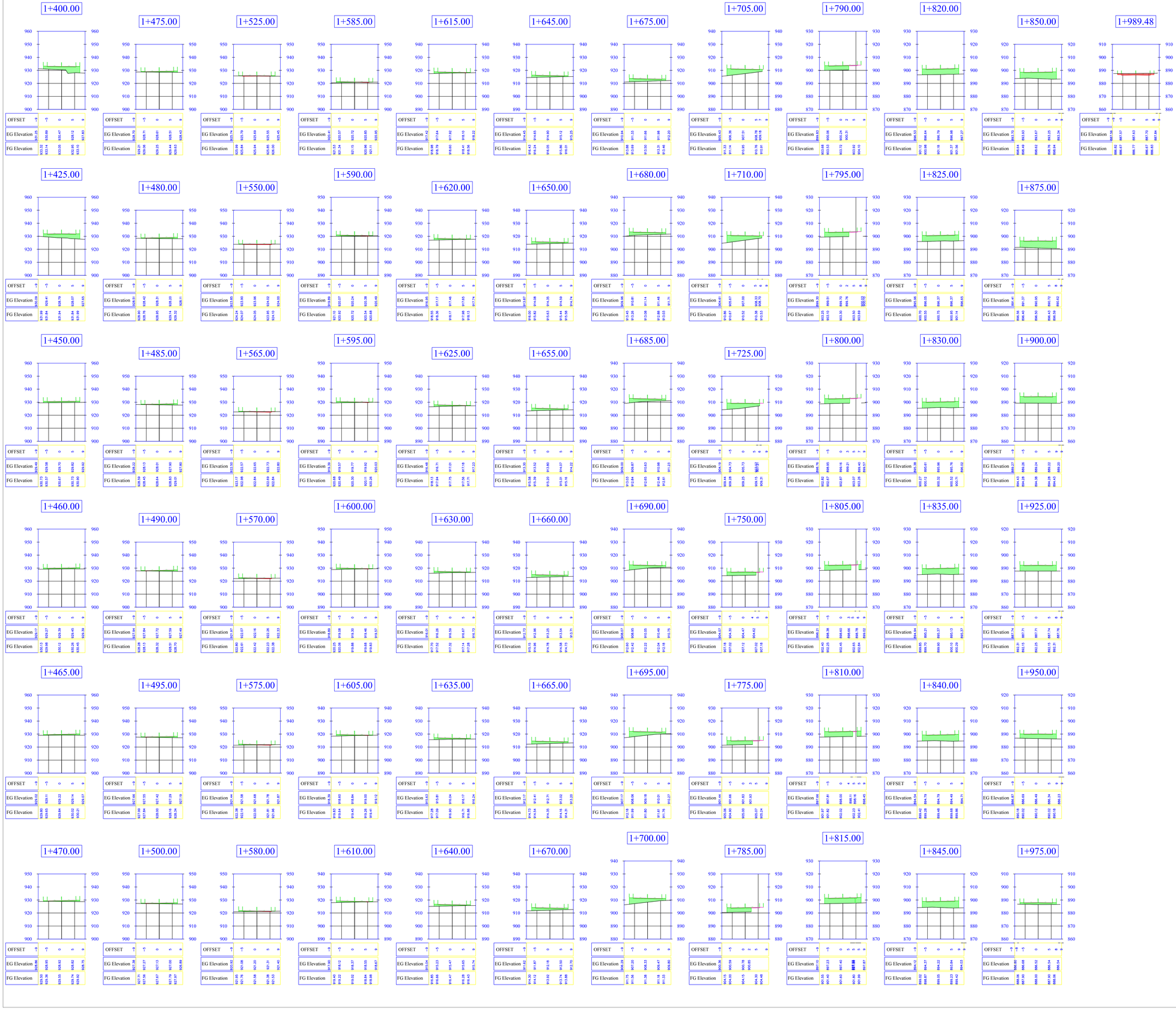
Cut Area

Fill Area

Work Group :
Tareq Amro
Hussam Hasouneh
Asem Seder
Mhmd Alfakhori

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	7
Date: 30.11.2015	
Scale: 1:500	



Palestine Polytechnic University
College Of Engineering
Civil & Arch. Department
Surveying & Geomatics Engineering

Legend :

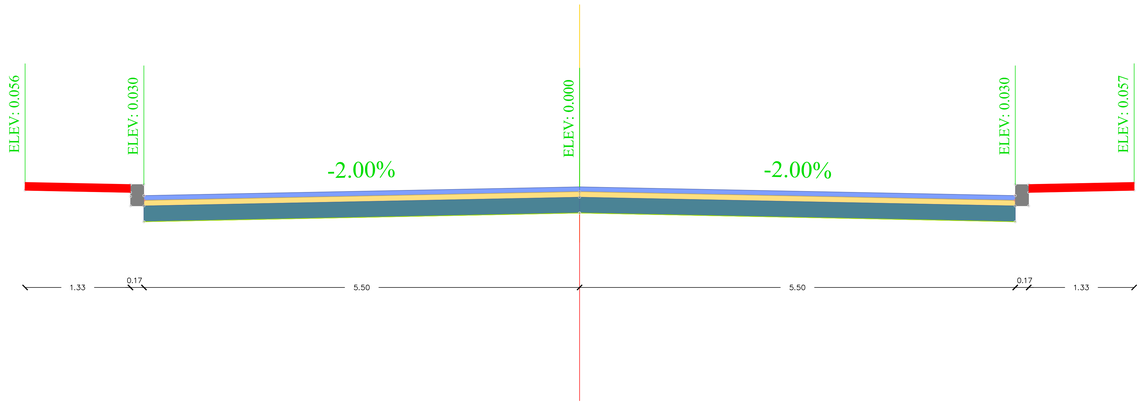
Cut Area

Fill Area

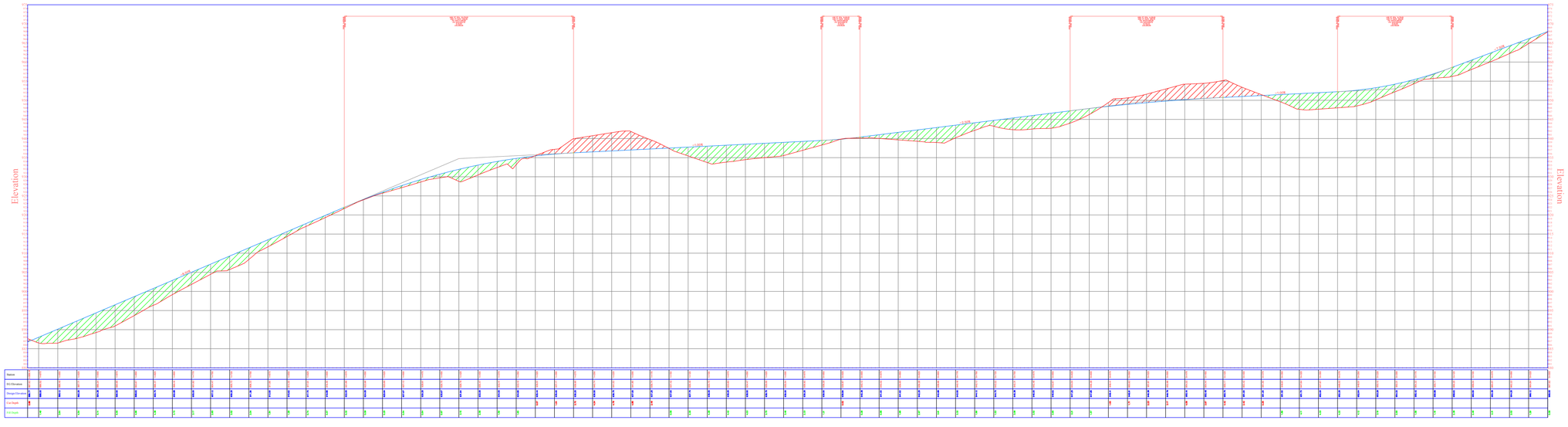
Work Group :
Tareq Amro
Hussam Hasouneh
Asem Seder
Mhmd Alfakhori

Supervisor :
Eng. Faydi Shabaneh

Project: ABUDA'AJAN	Sheet: 8
Date: 30.11.2015	
Scale: 1:500	



Centerline-Proposed PROFILE



Palestine Polytechnic University
College Of Engineering
Civil & Arch. Department
Surveying & Geomatics Engineering

N

Legend :

Cut Area

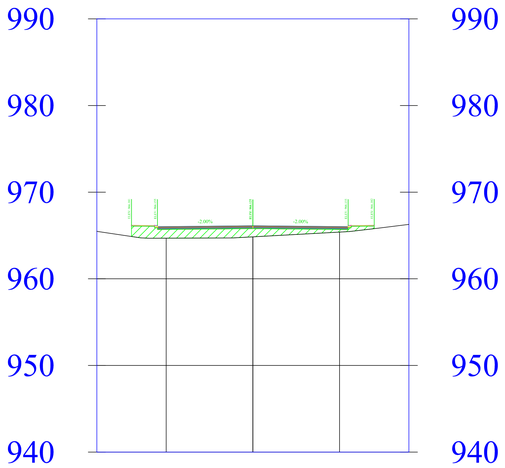
Fill Area

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

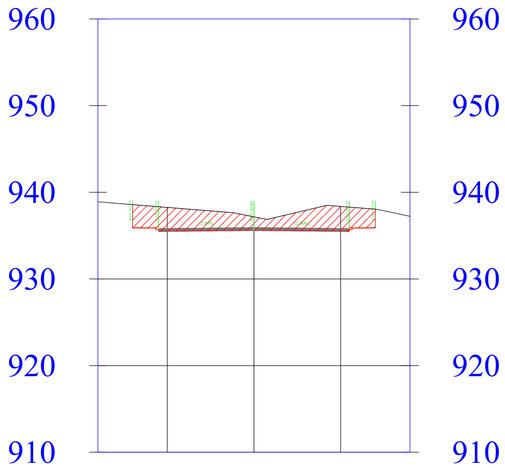
Project: ABUDA'AJAN	Sheet: 9
Date: 30.11.2015	
Scale: FIT	

0+025.00



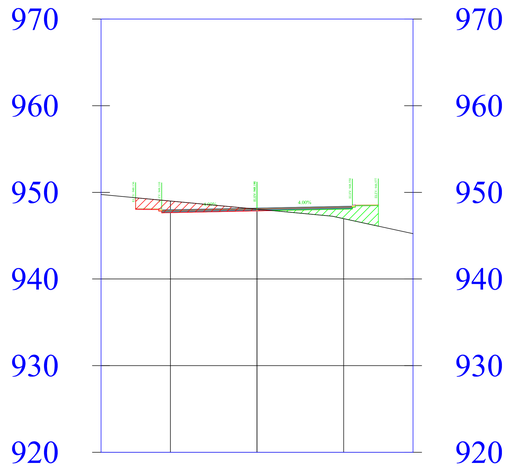
OFFSET	-9	-5	0	5	9
EG Elevation	965.48	964.69	964.84	965.39	966.28
FG Elevation		966.18	966.03	966.13	966.02	966.18

1+300.00



OFFSET	-9	-5	0	5	9
EG Elevation	938.89	938.25	937.17	938.37	937.22
FG Elevation		935.98	935.82	935.92	935.82	935.98

0+585.00



OFFSET	-9	-5	0	5	9
EG Elevation	949.75	949.00	948.06	946.96	945.23
FG Elevation		948.14	947.99	948.19	948.39	948.58

Palestine Polytechnic University
College Of Engineering
Civil & Arch. Department
Surveying & Geomatics Engineering

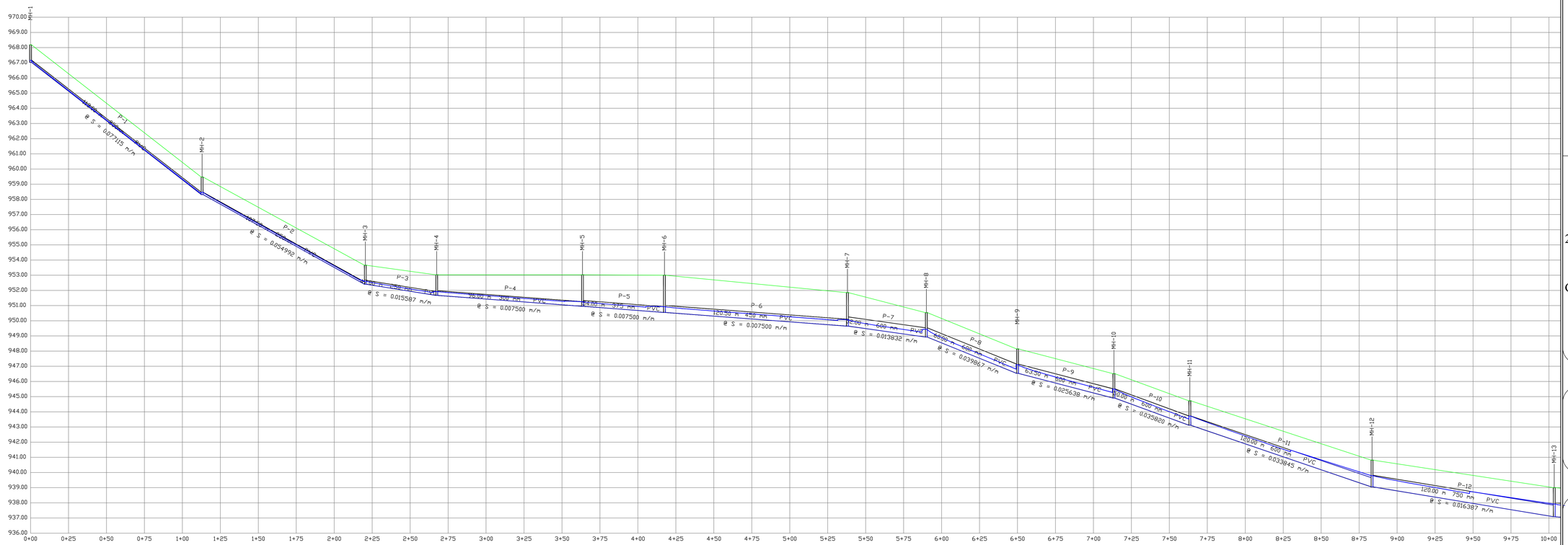
N

Legend :

Work Group :
Mhmd Alfakhori
Asem Seder
Hussam Hasouneh
Tareq Amro

Supervisor :
Eng. Faydi Shabaneh

Project	Sheet
ABUDA'AJAN	10
Date: 30.11.2015	
Scale: 1:125	



POINT NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13
MANHOLE NUMBER	MH1	MH2	MH3	MH-4	MH-5	MH-6	MH-7	MH-8	MH-9	MH-10	MH-11	MH-12	MH-13
STATION	0+00	1+12.5	2+20.5	2+68	3+64	4+18	5+38	5+90	6+50	7+14	7+64	8+84	10+04
GROUND ELEVATOIN	968.18	959.47	953.66	953.03	953 .03	953	951.86	950.53	948.14	946.51	944.72	940.81	939
INVERT ELEVATION	967.03	958.32	952.4	951.67	950.95	950.55	949.64	948.92	946.53	944.90	943.11	939.05	937.09
DEPTH OF MANHOLES	1.15	1.15	1.26	1.36	2.08	2.45	2.22	1.61	1.61	1.61	1.61	1.76	1.91
DISTANCE OF MANHLE (M)		113	107.5	47	96	54	120.5	52	60	63.5	50	120	120
PIPE DIAMETER (mm)		250	250	250	300	375	450	450	450	600	600	600	750
PIPE SLOPE (%)		0.07	0.05	0.015	0.0075	0.0075	0.0075	0.014	0.04	0.03	0.04	0.03	0.02
TYPE OF SURFACE	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC

N

NOTES:

1- All Pipe Diameter In (mm)

2- All Pipe length In (Merers)

Ground Elevation

Manholes

Hydraulic Grade

project title :

Design of Abu Da'ajan Road

Project Team:
Asem seder
Mohamad Al Fhakhory
Tareq amro
Hussam Hasoune

Project Supervisor:

Eng. FAYDI SHABANEH

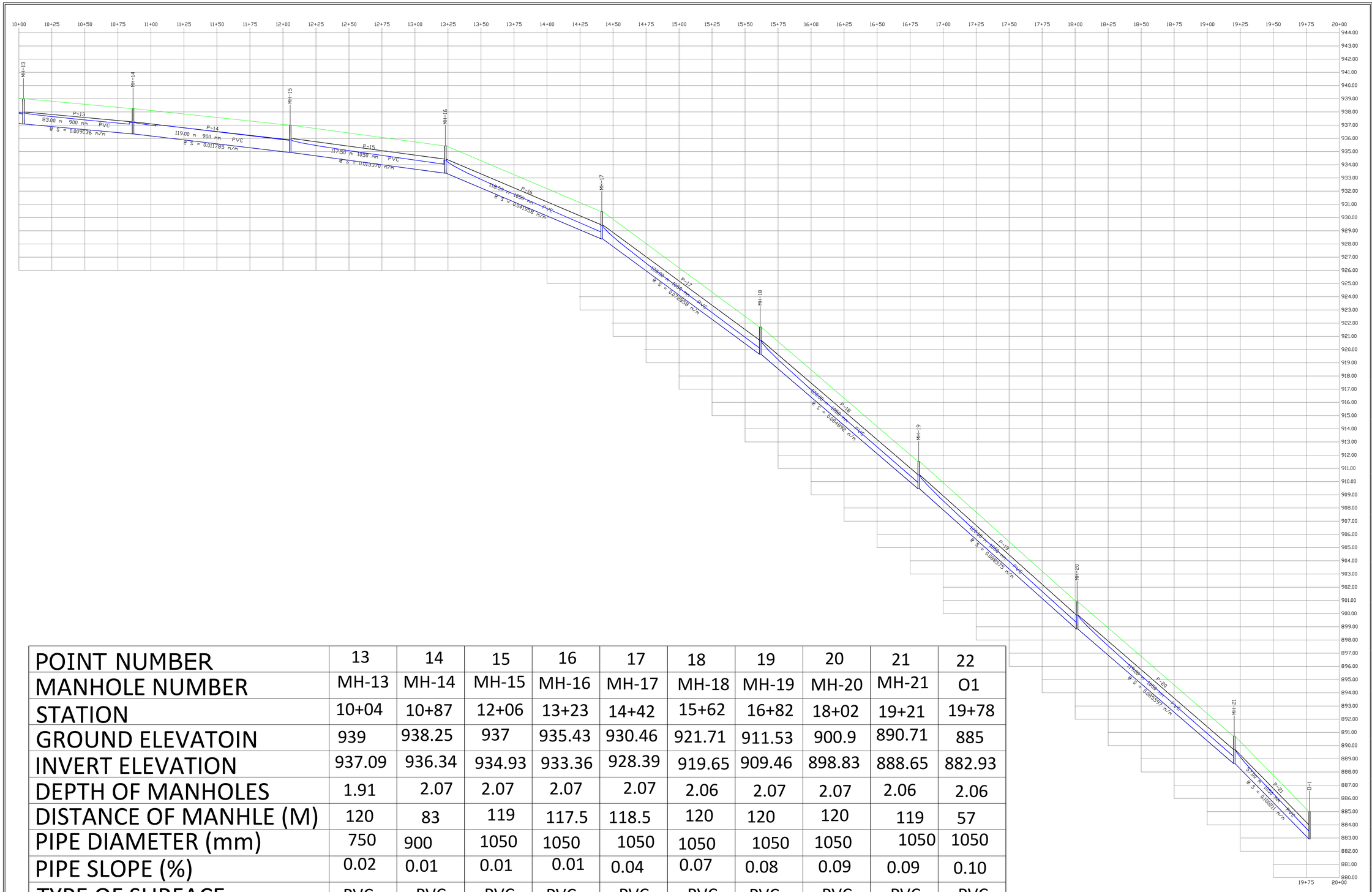
Drawing Title :

Pipe Profile 1

Sheet : 11

Scale :1/1000

Dec/1/2015



POINT NUMBER	13	14	15	16	17	18	19	20	21	22
MANHOLE NUMBER	MH-13	MH-14	MH-15	MH-16	MH-17	MH-18	MH-19	MH-20	MH-21	O1
STATION	10+04	10+87	12+06	13+23	14+42	15+62	16+82	18+02	19+21	19+78
GROUND ELEVATOIN	939	938.25	937	935.43	930.46	921.71	911.53	900.9	890.71	885
INVERT ELEVATION	937.09	936.34	934.93	933.36	928.39	919.65	909.46	898.83	888.65	882.93
DEPTH OF MANHOLES	1.91	2.07	2.07	2.07	2.07	2.06	2.07	2.07	2.06	2.06
DISTANCE OF MANHLE (M)	120	83	119	117.5	118.5	120	120	120	119	57
PIPE DIAMETER (mm)	750	900	1050	1050	1050	1050	1050	1050	1050	1050
PIPE SLOPE (%)	0.02	0.01	0.01	0.01	0.04	0.07	0.08	0.09	0.09	0.10
TYPE OF SURFACE	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC

N

NOTES:

1- All Pipe Diameter In (mm)

2- All Pipe length In (Merers)

Ground Elevation

Manholes

Hydraulic Grade

project title :

Design of Abu Da'ajan Road

Project Team:
Asem seder
Mohamad Al Fhakhory
Tareq amro
Hussam Hasoune

Project Supervisor:

Eng. FAYDI SHABANEH

Drawing Title :

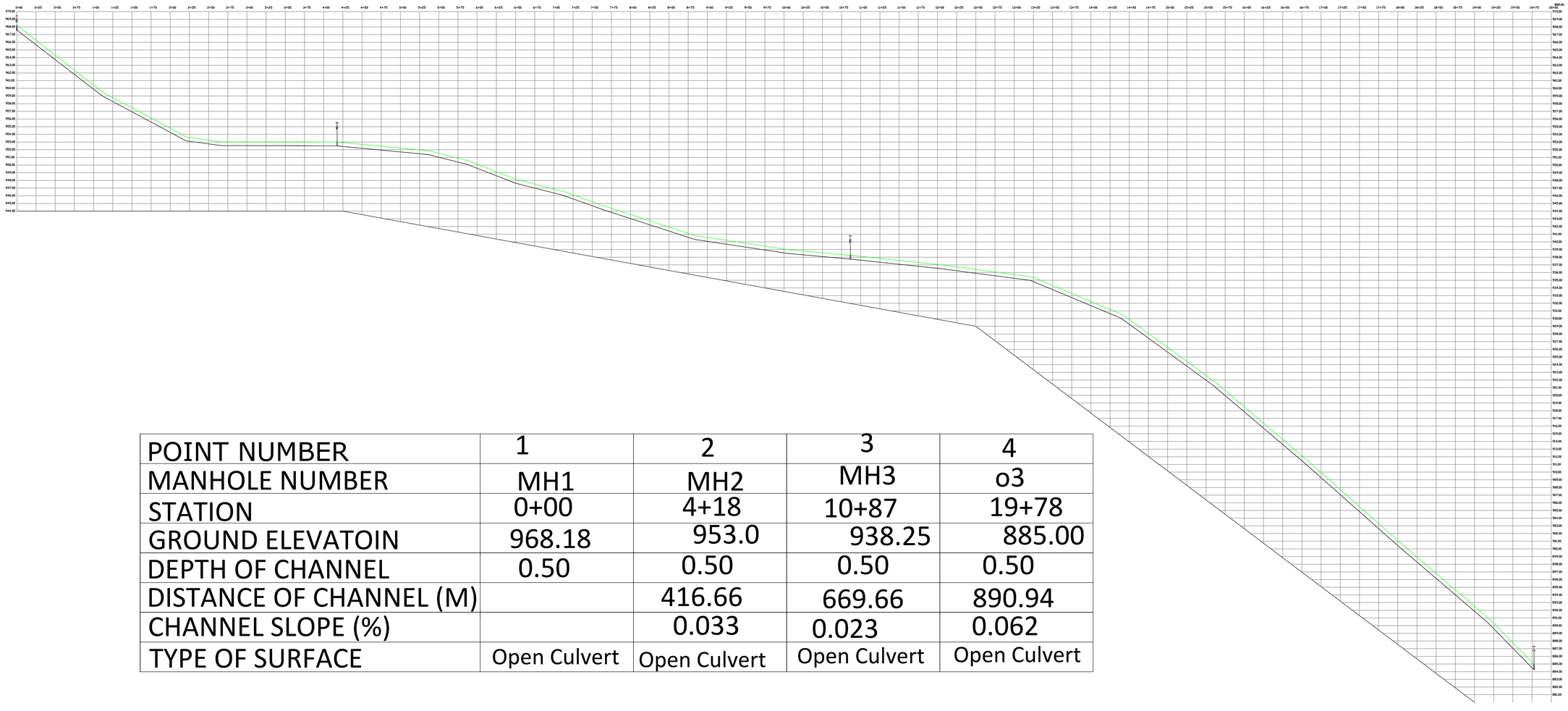
Pipe Profile 2

Sheet :

12

Scale :1/1000

Dec/1/2015



POINT NUMBER	1	2	3	4
MANHOLE NUMBER	MH1	MH2	MH3	o3
STATION	0+00	4+18	10+87	19+78
GROUND ELEVATOIN	968.18	953.0	938.25	885.00
DEPTH OF CHANNEL	0.50	0.50	0.50	0.50
DISTANCE OF CHANNEL (M)		416.66	669.66	890.94
CHANNEL SLOPE (%)		0.033	0.023	0.062
TYPE OF SURFACE	Open Culvert	Open Culvert	Open Culvert	Open Culvert

N

NOTES:

1- All Elevation In (m)

2- All lengths In (Merers)

Ground Elevation

Manholes

project title :

Design of Abu Da'ajan Road

Project Team:
Asem seder
Mohamad Al Fhakhory
Tareq amro
Hussam Hasoune

Project Supervisor:

Eng. FAYDI SHABANEH

Drawing Title :

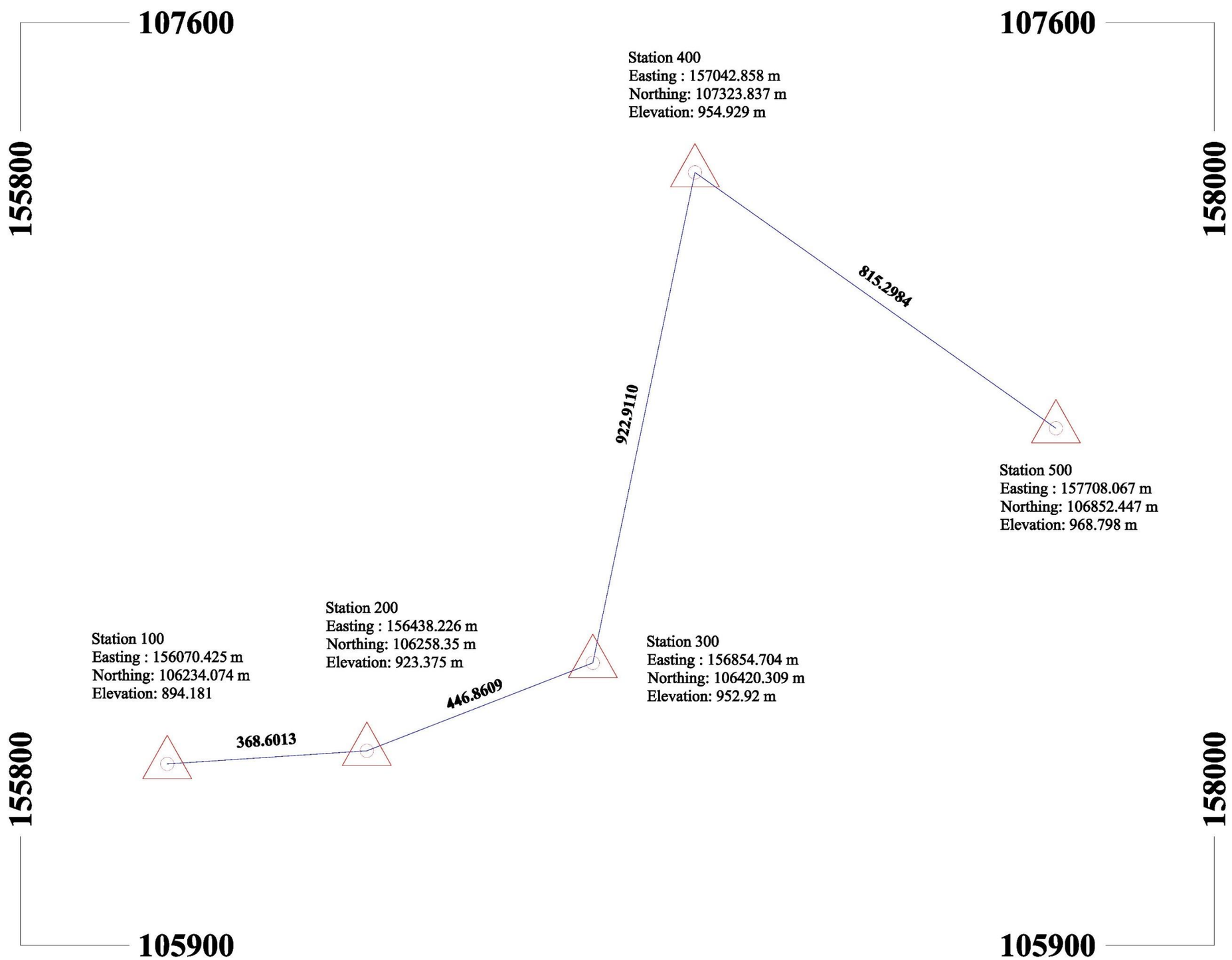
Open Channel Profile

Sheet :

13

Scale :To fit

Dec/1/2015


107600
158000
155800
105900
Station 400
Easting : 157042.858 m
Northing: 107323.837 m
Elevation: 954.929 m
815.2984
922.9110
Station 500
Easting : 157708.067 m
Northing: 106852.447 m
Elevation: 968.798 m
Station 200
Easting : 156438.226 m
Northing: 106258.35 m
Elevation: 923.375 m
Station 100
Easting : 156070.425 m
Northing: 106234.074 m
Elevation: 894.181
Station 300
Easting : 156854.704 m
Northing: 106420.309 m
Elevation: 952.92 m
446.8609
368.6013

Abu Da'ajan Road

Farsh AlHawa Street

Abdul Qadir al-Qawasmi Elementary Girls School

Alheimona Roundabout

Al-Safa Mosque

156100 156400 156700 157000 157300 157600

107000 106800 106600 106400 106200 106000

Project Team:
Hussam Basam Hasona
Asem Mohammed Najeeb Seder
Tareq Othman Amro
Muhammed Abdulghaffar AlFakhori

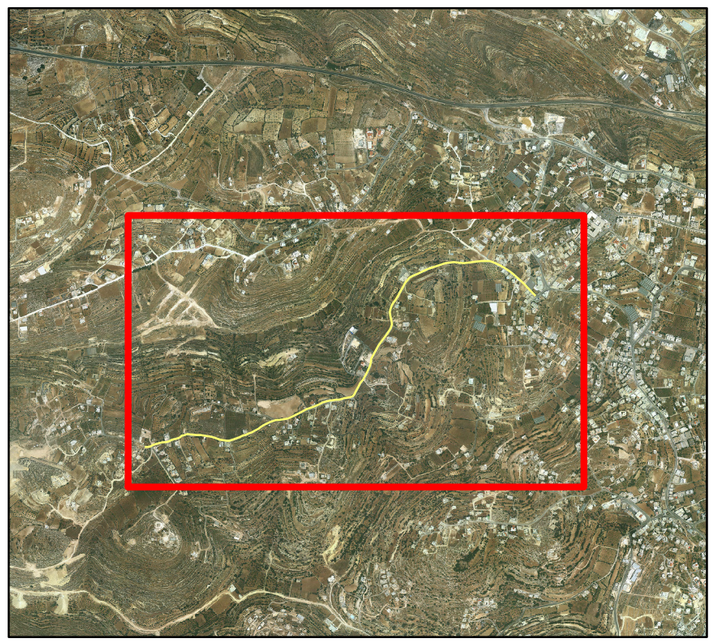
Supervisor:
ENG. Faydi Shabaneh

Data Source:
PPU GIS Lap , Hebron Municipality

Legend

Abu Da'ajan Road

Hebron Municipal Boundaries

0 50 100 200 300 400 Meters

Project Area