

Palestine Polytechnic  
University  
Engineering College  
Infrastructure Engineering

- Legend:**
- Stone wall
  - Building
  - Curb
  - NGL
  - Border
  - FG
  - Cut area
  - Fill area

**supervision:**  
Dr. Musab Shahin

**by:**  
Mohammad Shamestı  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najajrah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**  
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AND LEVELS ARE IN METERS.  
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CM UNLESS OTHERWISE NOTED.  
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GRID SYSTEM.

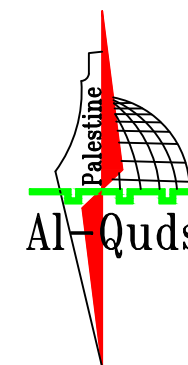
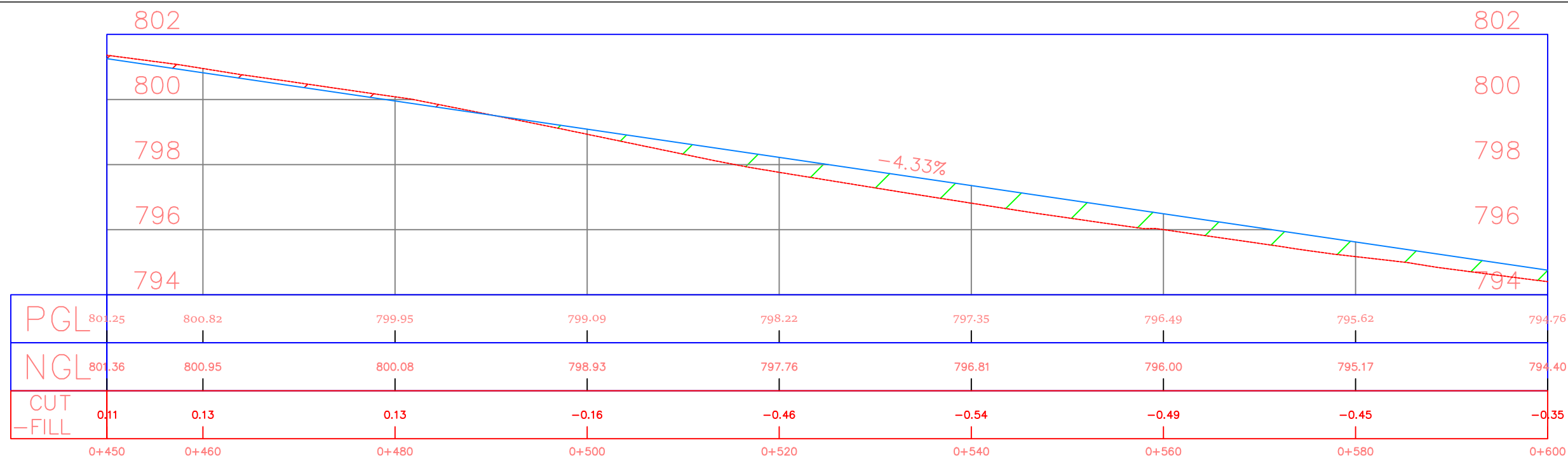
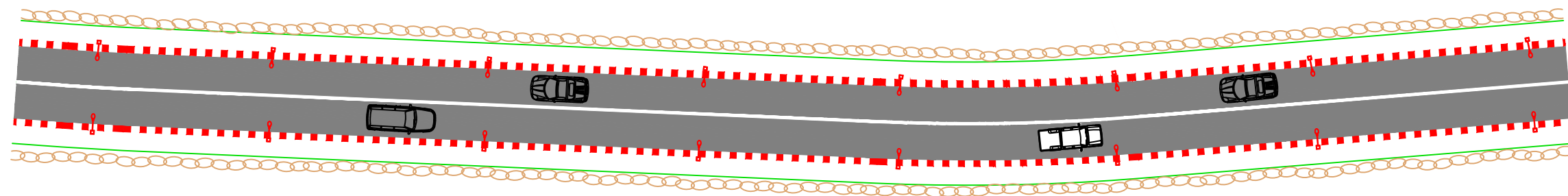
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**Profile scale:**  
1:500

Date: 23/12/2021

Plan & Profile

Sheet #3



Palestine Polytechnic  
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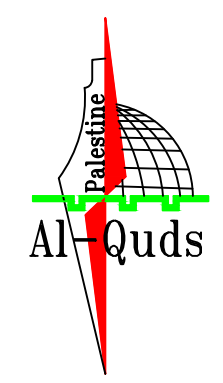
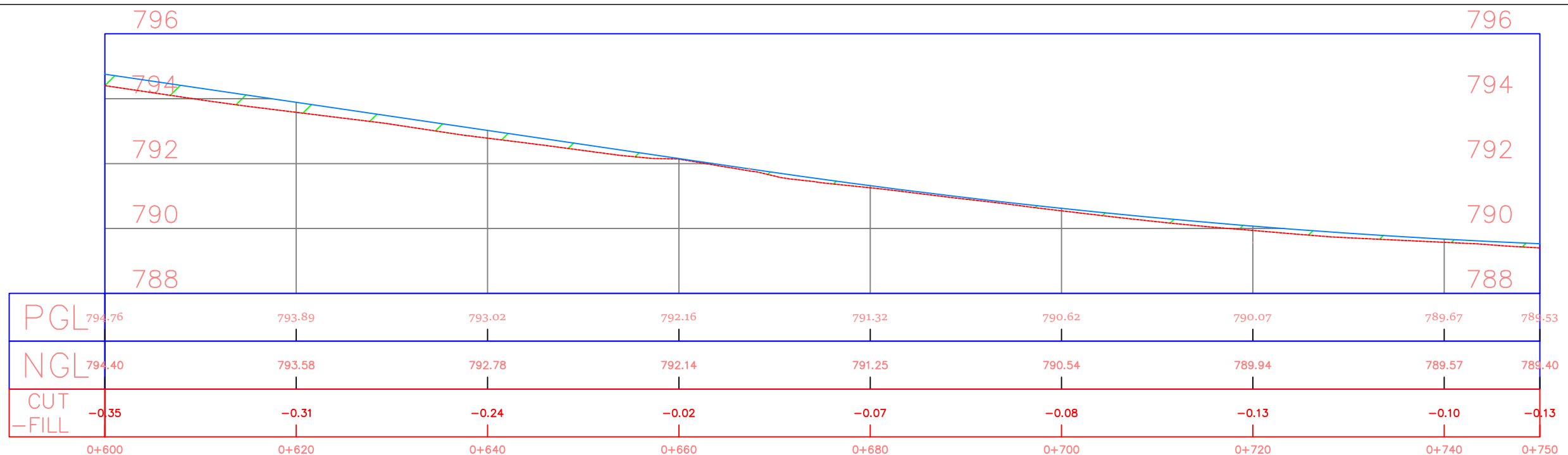
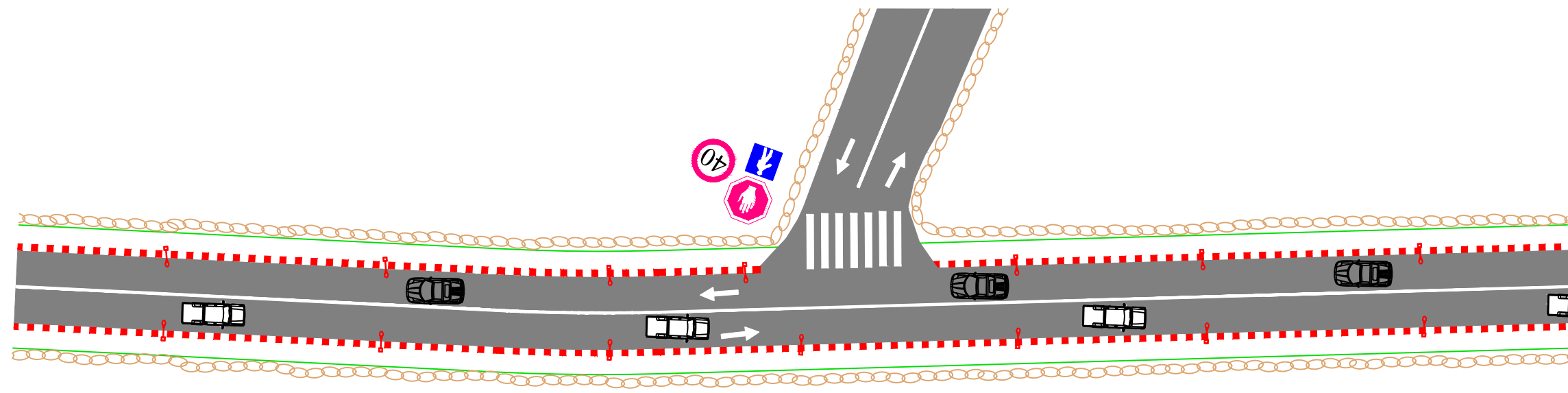
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1:500

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Plan & Profile

Sheet #4



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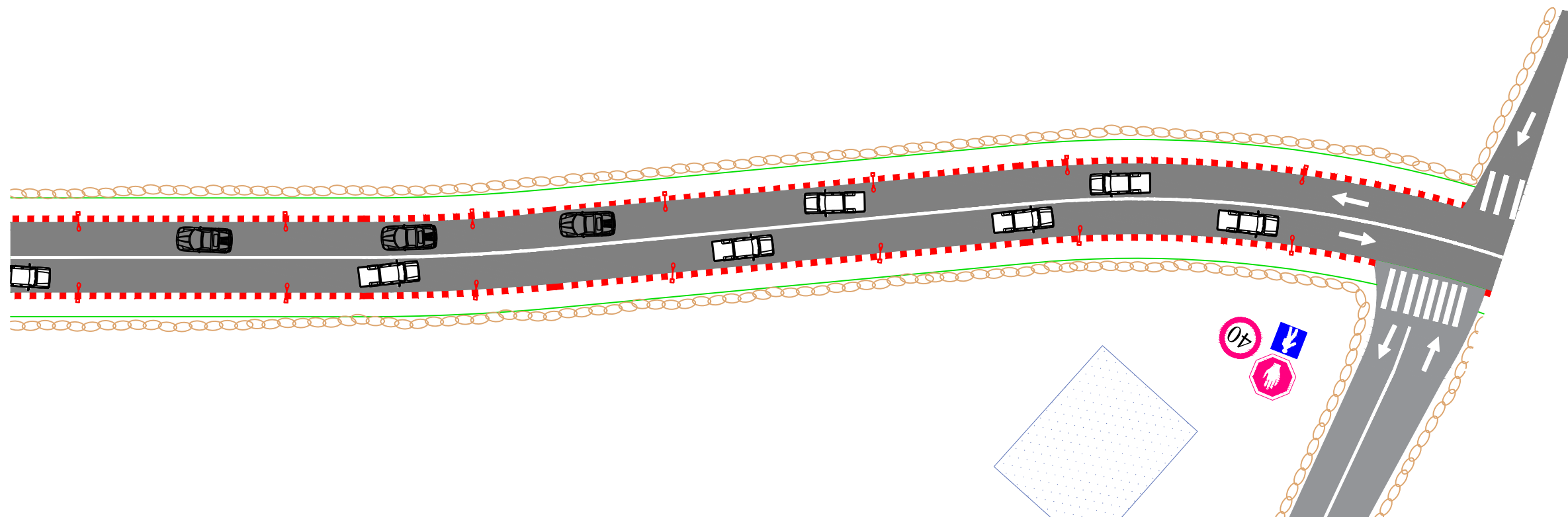
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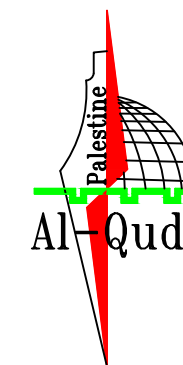
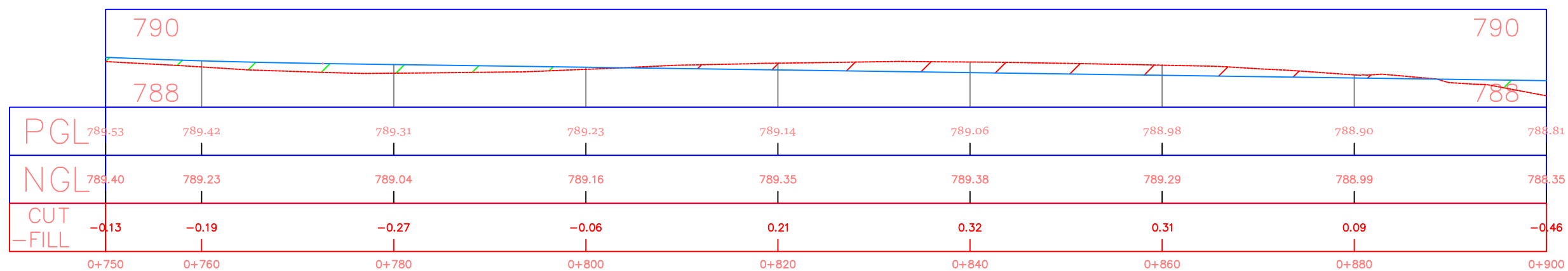
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Plan & Profile

Sheet #5



## STREET1 PROFILE



Palestine Polytechnic  
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Infrastructure Engineering

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### supervision:

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### by:

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### Plane scale:

1:500

### Profile scale:

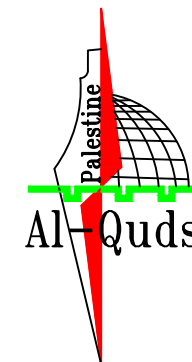
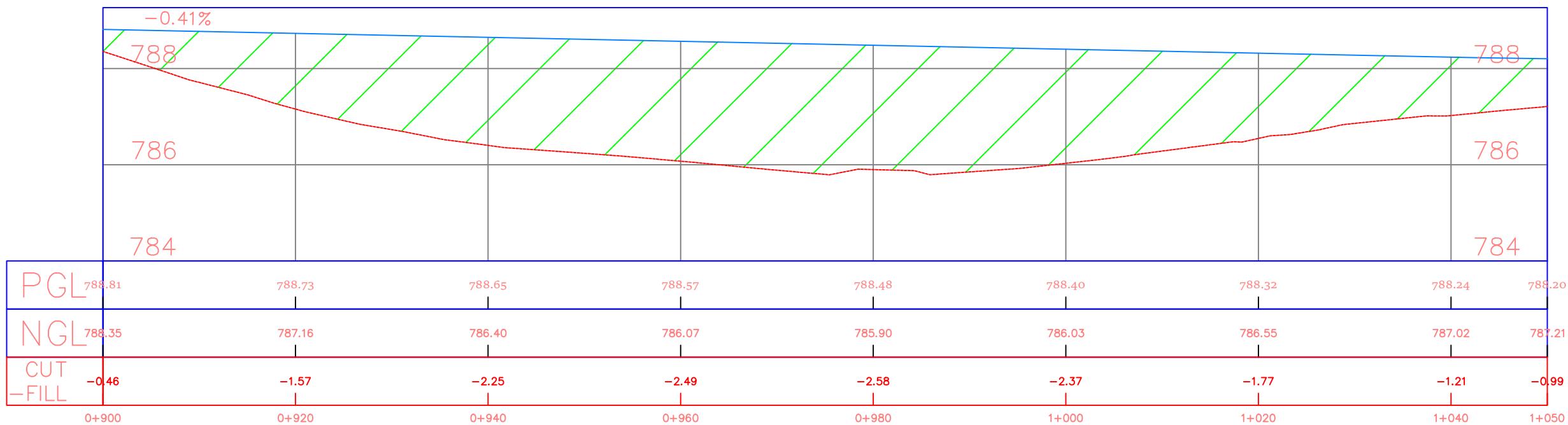
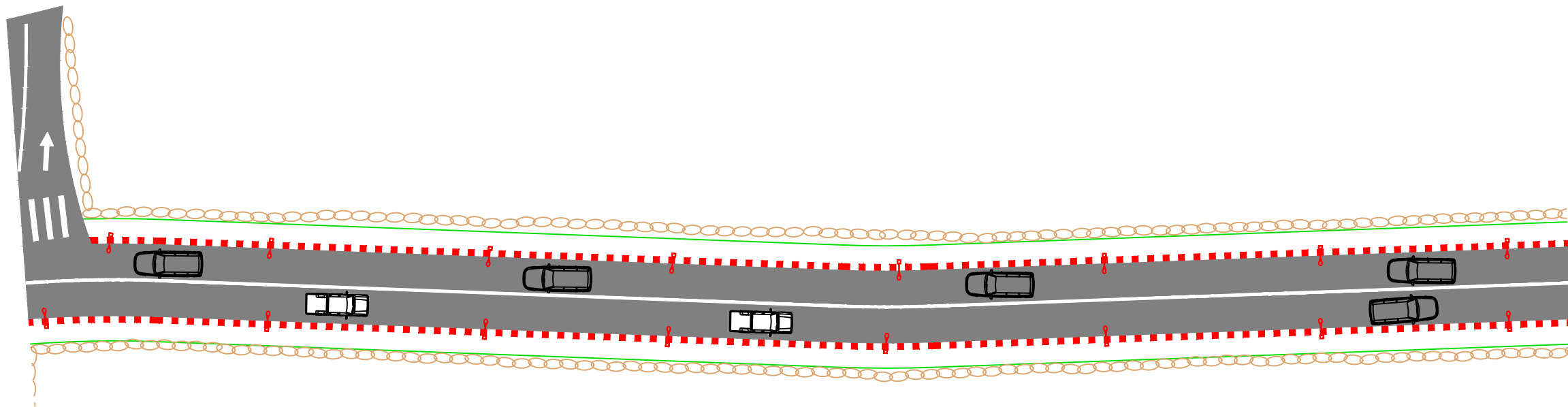
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Date: 23/12/2021

Plan & Profile

Sheet #6





Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

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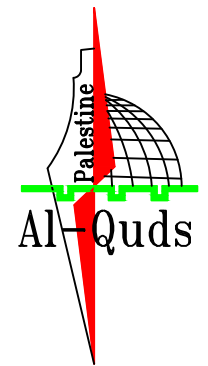
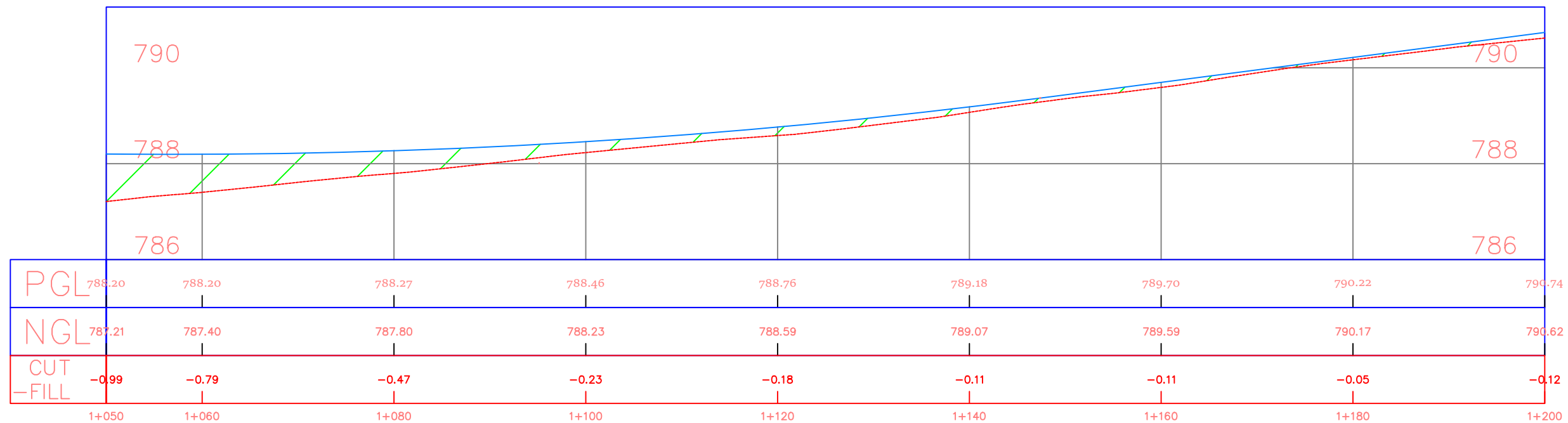
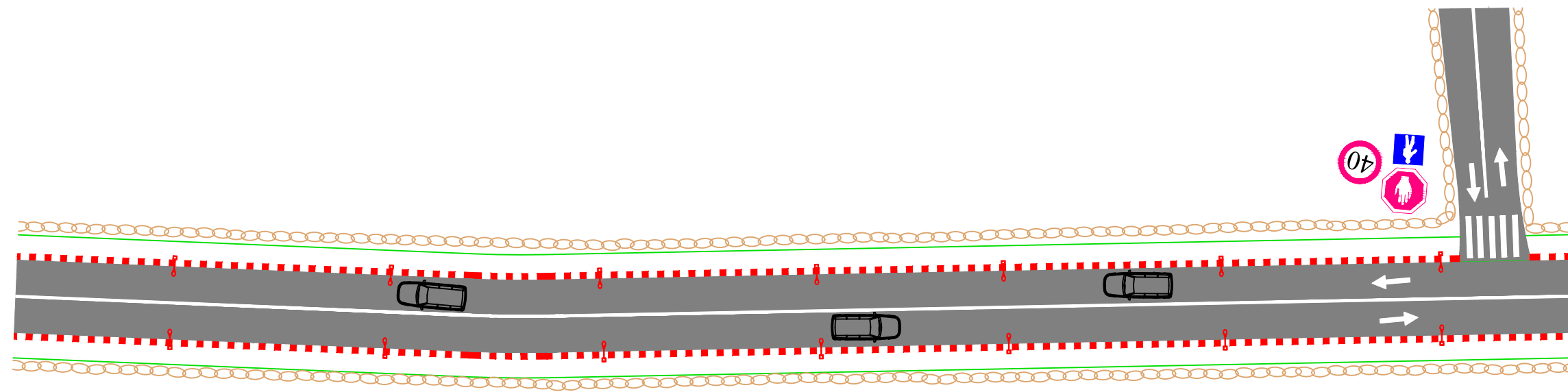
**Profile scale:**

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Date: 23/12/2021

Plan & Profile

Sheet #7



**Legend:**

- Stone wall
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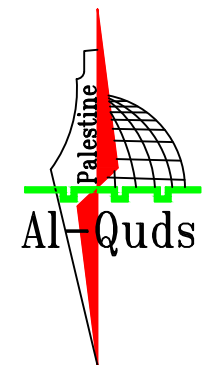
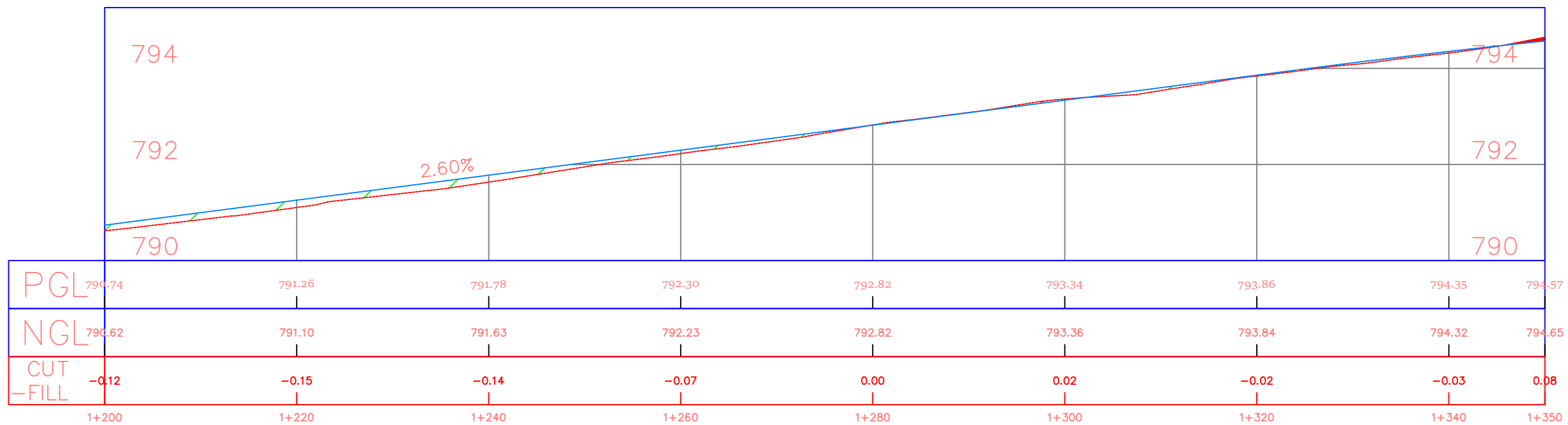
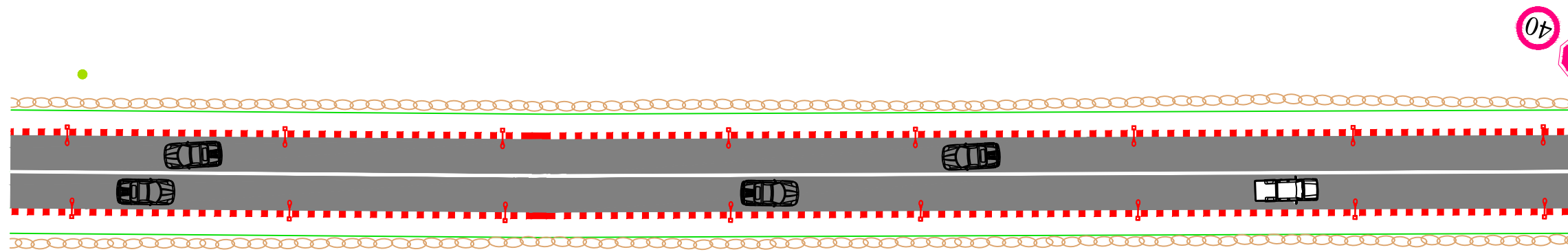
**Profile scale:**

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Date: 23/12/2021

Plan & Profile

Sheet #8



- Legend:**
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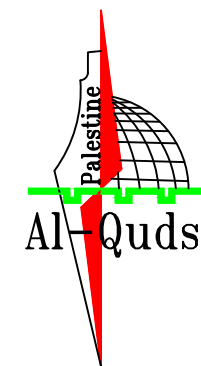
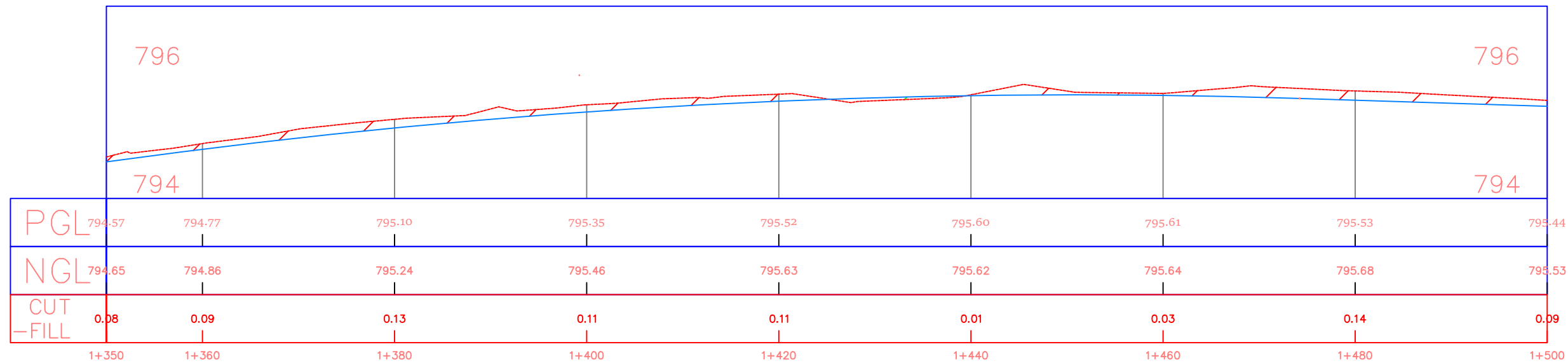
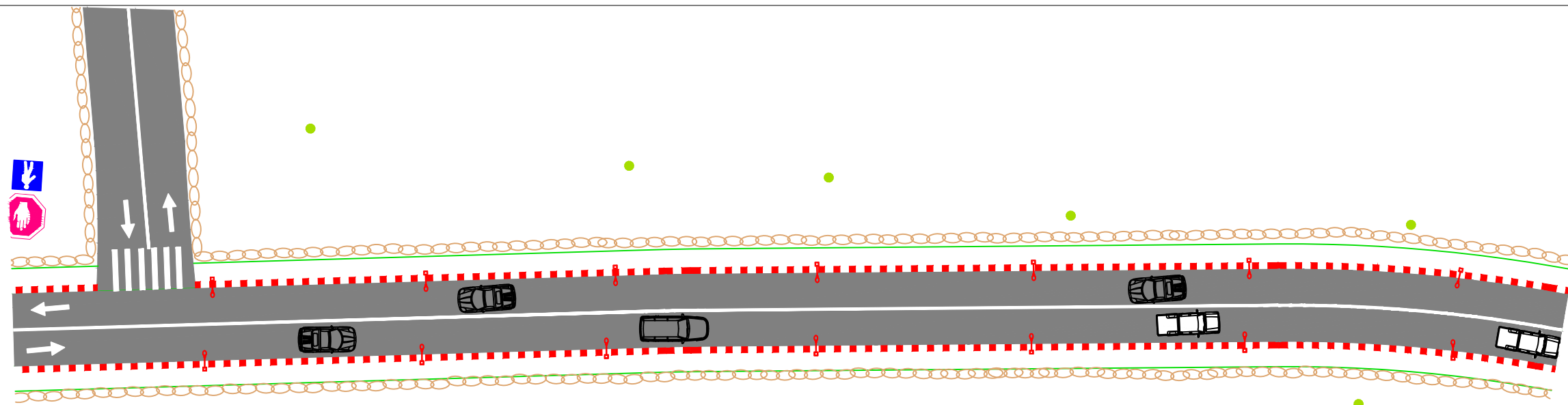
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Date: 23/12/2021

Plan & Profile

Sheet #9



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

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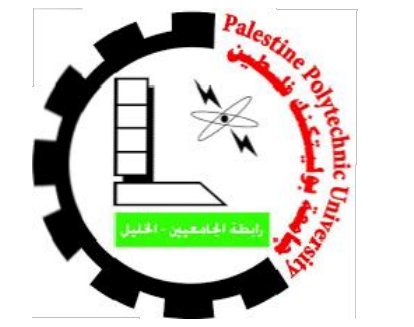
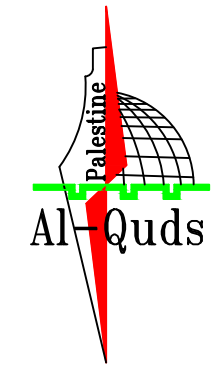
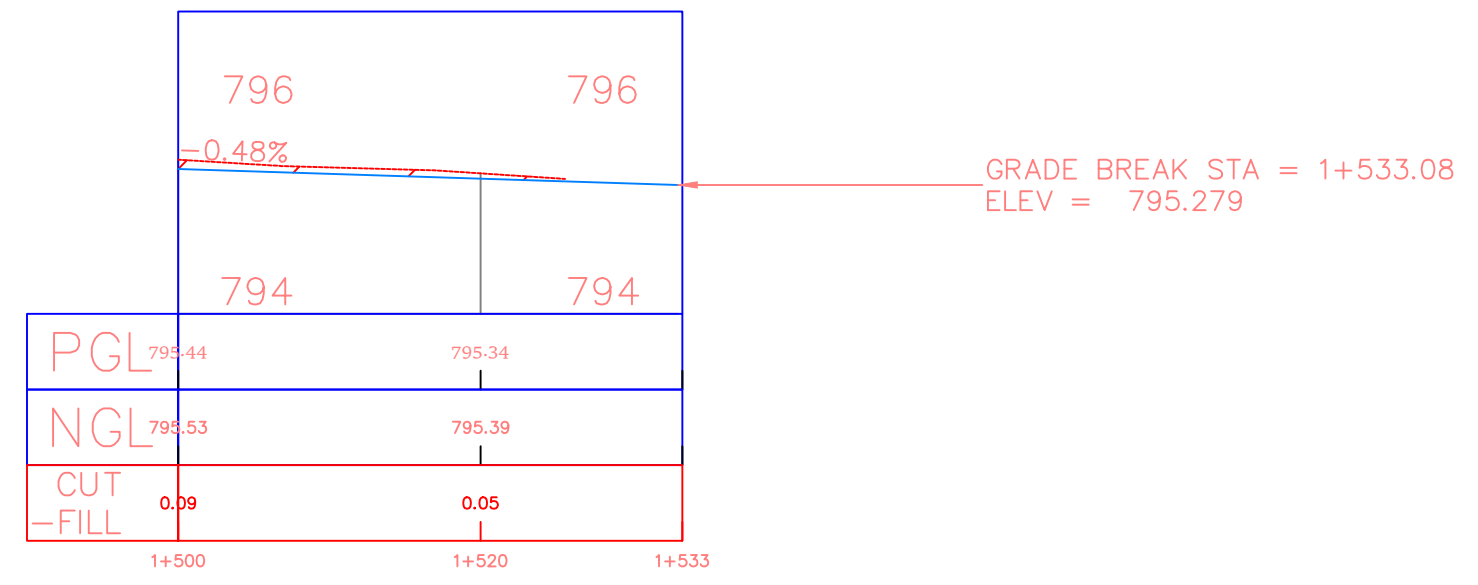
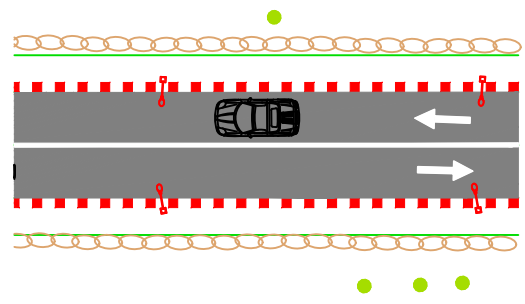
**Profile scale:**

1:500

Date: 23/12/2021

Plan & Profile

Sheet #10



Palestine Polytechnic University  
Engineering College  
Building Engineering

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  - Building
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1:500

**Profile scale:**  
1:500

Date: 23/12/2021

Plan & Profile

Sheet # 11



Material Table			
Station	Area	Volume	Cumulative Volume
0+000.00	0.49	0.00	0.00
0+020.00	0.49	9.80	9.80
0+040.00	0.49	9.80	19.60
0+060.00	0.49	9.80	29.40
0+080.00	0.49	9.80	39.20
0+100.00	0.49	9.80	49.00
0+120.00	0.49	9.80	58.80
0+126.18	0.49	3.03	61.83
0+140.00	0.49	6.77	68.60
0+160.00	0.49	9.80	78.40
0+180.00	0.49	9.80	88.20
0+200.00	0.49	9.80	98.00
0+220.00	0.49	9.80	107.80
0+240.00	0.49	9.80	117.60
0+260.00	0.49	9.80	127.40
0+280.00	0.49	9.80	137.20
0+300.00	0.49	9.80	147.00
0+320.00	0.49	9.80	156.80
0+340.00	0.49	9.80	166.60
0+360.00	0.49	9.80	176.40



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Scale section

1 : 500

Date: 12/23/2021

Volume Asphalt report

Sheet#5

Material Table			
Station	Area	Volume	Cumulative Volume
0+380.00	0.49	9.80	186.20
0+400.00	0.49	9.80	196.00
0+420.00	0.49	9.80	205.80
0+440.00	0.49	9.80	215.60
0+460.00	0.49	9.80	225.40
0+480.00	0.49	9.80	235.20
0+500.00	0.49	9.80	245.00
0+520.00	0.49	9.80	254.80
0+540.00	0.49	9.80	264.60
0+560.00	0.49	9.80	274.40
0+580.00	0.49	9.80	284.20
0+600.00	0.49	9.80	294.00
0+620.00	0.49	9.80	303.80
0+640.00	0.49	9.80	313.60
0+660.00	0.49	9.80	323.40
0+680.00	0.49	9.80	333.20
0+700.00	0.49	9.80	343.00
0+720.00	0.49	9.80	352.80
0+740.00	0.49	9.80	362.60
0+760.00	0.49	9.80	372.40



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Scale section

1 : 500

Date: 1/23/2021

Volume Asphalt report

Sheet#6

Material Table			
Station	Area	Volume	Cumulative Volume
0+780.00	0.49	9.80	382.20
0+800.00	0.49	9.80	392.00
0+820.00	0.49	9.80	401.80
0+840.00	0.49	9.80	411.60
0+860.00	0.49	9.80	421.40
0+880.00	0.49	9.80	431.20
0+900.00	0.49	9.80	441.00
0+920.00	0.49	9.80	450.80
0+940.00	0.49	9.80	460.60
0+960.00	0.49	9.80	470.40
0+980.00	0.49	9.80	480.20
1+000.00	0.49	9.80	490.00
1+020.00	0.49	9.80	499.80
1+040.00	0.49	9.80	509.60
1+060.00	0.49	9.80	519.40
1+080.00	0.49	9.80	529.20
1+100.00	0.49	9.80	539.00
1+120.00	0.49	9.80	548.80
1+140.00	0.49	9.80	558.60
1+160.00	0.49	9.80	568.40



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*Scale section*

1 : 500

*Date: 12/23/2021*

*Volume Asphalt report*

*Sheet#7*

Material Table

Station	Area	Volume	Cumulative Volume
1+180.00	0.49	9.80	578.20
1+200.00	0.49	9.80	588.00
1+220.00	0.49	9.80	597.80
1+240.00	0.49	9.80	607.60
1+260.00	0.49	9.80	617.40
1+280.00	0.49	9.80	627.20
1+300.00	0.49	9.80	637.00
1+320.00	0.49	9.80	646.80
1+340.00	0.49	9.80	656.60
1+360.00	0.49	9.80	666.40
1+380.00	0.49	9.80	676.20
1+400.00	0.49	9.80	686.00
1+420.00	0.49	9.80	695.80
1+440.00	0.49	9.80	705.60
1+460.00	0.49	9.80	715.40
1+480.00	0.49	9.80	725.20
1+500.00	0.49	9.80	735.00
1+520.00	0.49	9.80	744.80
1+533.34	0.00	3.27	748.07



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*Volume Asphalt report*

*Sheet#8*

Material Table			
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0+000.00	0.48	0.00	0.00
0+020.00	0.48	9.80	9.80
0+040.00	0.48	9.80	19.60
0+080.00	0.48	9.80	29.40
0+080.00	0.48	9.80	39.20
0+100.00	0.48	9.80	49.00
0+120.00	0.48	9.80	58.80
0+128.18	0.48	3.03	61.83
0+140.00	0.48	5.77	68.60
0+160.00	0.48	9.80	78.40
0+180.00	0.48	9.80	88.20
0+200.00	0.48	9.80	98.00
0+220.00	0.48	9.80	107.80
0+240.00	0.48	9.80	117.60
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0+360.00	0.48	9.80	176.40
0+380.00	0.48	9.80	186.20
0+400.00	0.48	9.80	196.00
0+420.00	0.48	9.80	205.80
0+440.00	0.48	9.80	215.60
0+460.00	0.48	9.80	225.40
0+480.00	0.48	9.80	235.20
0+500.00	0.48	9.80	245.00
0+520.00	0.48	9.80	254.80
0+540.00	0.48	9.80	264.60
0+560.00	0.48	9.80	274.40
0+580.00	0.48	9.80	284.20
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0+660.00	0.48	9.80	323.40
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0+700.00	0.48	9.80	343.00
0+720.00	0.48	9.80	352.80
0+740.00	0.48	9.80	362.60
0+760.00	0.48	9.80	372.40
0+780.00	0.48	9.80	382.20
0+800.00	0.48	9.80	392.00
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0+940.00	0.48	9.80	460.60
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0+980.00	0.48	9.80	480.20
1+000.00	0.48	9.80	490.00
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1+400.00	0.48	9.80	686.00
1+420.00	0.48	9.80	695.80
1+440.00	0.48	9.80	705.60
1+460.00	0.48	9.80	715.40
1+480.00	0.48	9.80	725.20
1+500.00	0.48	9.80	735.00
1+520.00	0.48	9.80	744.80
1+533.34	0.00	3.27	748.07



Material Table

Station	Area	Volume	Cumulative Volume
0+000.00	1.40	0.00	0.00
0+020.00	1.40	28.00	28.00
0+040.00	1.40	28.00	56.00
0+060.00	1.40	28.00	84.00
0+080.00	1.40	28.00	112.00
0+100.00	1.40	28.00	140.00
0+120.00	1.40	28.00	168.00
0+126.18	1.40	8.66	176.66
0+140.00	1.40	19.34	196.00
0+160.00	1.40	28.00	224.00
0+180.00	1.40	28.00	252.00
0+200.00	1.40	28.00	280.00
0+220.00	1.40	28.00	308.00
0+240.00	1.40	28.00	336.00
0+260.00	1.40	28.00	364.00
0+280.00	1.40	28.00	392.00
0+300.00	1.40	28.00	420.00
0+320.00	1.40	28.00	448.00
0+340.00	1.40	28.00	476.00
0+360.00	1.40	28.00	504.00



Palestine Polytechnic  
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Infrastructure Engineering

*supervision:*

Dr. Musab Shahin

*by:*

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najajrah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

*Note:*

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GRID SYSTEM.

*Scale section*

1 : 500

*Date: 1/23/2021*

*Volume Base report*

*Sheet#9*

Material Table			
Station	Area	Volume	Cumulative Volume
0+380.00	1.40	28.00	532.00
0+400.00	1.40	28.00	560.00
0+420.00	1.40	28.00	588.00
0+440.00	1.40	28.00	616.00
0+460.00	1.40	28.00	644.00
0+480.00	1.40	28.00	672.00
0+500.00	1.40	28.00	700.00
0+520.00	1.40	28.00	728.00
0+540.00	1.40	28.00	756.00
0+560.00	1.40	28.00	784.00
0+580.00	1.40	28.00	812.00
0+600.00	1.40	28.00	840.00
0+620.00	1.40	28.00	868.00
0+640.00	1.40	28.00	896.00
0+660.00	1.40	28.00	924.00
0+680.00	1.40	28.00	952.00
0+700.00	1.40	28.00	980.00
0+720.00	1.40	28.00	1008.00
0+740.00	1.40	28.00	1036.00
0+760.00	1.40	28.00	1064.00



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Scale section

1 : 500

Date: 12/23/2021

Volume Base report

Sheet# 10

Material Table			
Station	Area	Volume	Cumulative Volume
0+780.00	1.40	28.00	1092.00
0+800.00	1.40	28.00	1120.00
0+820.00	1.40	28.00	1148.00
0+840.00	1.40	28.00	1176.00
0+860.00	1.40	28.00	1204.00
0+880.00	1.40	28.00	1232.00
0+900.00	1.40	28.00	1260.00
0+920.00	1.40	28.00	1288.00
0+940.00	1.40	28.00	1316.00
0+960.00	1.40	28.00	1344.00
0+980.00	1.40	28.00	1372.00
1+000.00	1.40	28.00	1400.00
1+020.00	1.40	28.00	1428.00
1+040.00	1.40	28.00	1456.00
1+060.00	1.40	28.00	1484.00
1+080.00	1.40	28.00	1512.00
1+100.00	1.40	28.00	1540.00
1+120.00	1.40	28.00	1568.00
1+140.00	1.40	28.00	1596.00
1+160.00	1.40	28.00	1624.00



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GRID SYSTEM.

Scale section

1 : 500

Date: 12/23/2021

Volume Base report

Sheet# 11

Material Table			
Station	Area	Volume	Cumulative Volume
1+180.00	1.40	28.00	1652.00
1+200.00	1.40	28.00	1680.00
1+220.00	1.40	28.00	1708.00
1+240.00	1.40	28.00	1736.00
1+260.00	1.40	28.00	1764.00
1+280.00	1.40	28.00	1792.00
1+300.00	1.40	28.00	1820.00
1+320.00	1.40	28.00	1848.00
1+340.00	1.40	28.00	1876.00
1+360.00	1.40	28.00	1904.00
1+380.00	1.40	28.00	1932.00
1+400.00	1.40	28.00	1960.00
1+420.00	1.40	28.00	1988.00
1+440.00	1.40	28.00	2016.00
1+460.00	1.40	28.00	2044.00
1+480.00	1.40	28.00	2072.00
1+500.00	1.40	28.00	2100.00
1+520.00	1.40	28.00	2128.00
1+533.34	0.00	9.34	2137.34



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*Scale section*

1:500

*Date: 12/23/2021*

*Volume Base report*

*Sheet# 12*

Material Table			
Station	Area	Volume	Cumulative Volume
0+000.00	1,40	0,00	0,00
0+020.00	1,40	28,00	28,00
0+040.00	1,40	28,00	56,00
0+060.00	1,40	28,00	84,00
0+080.00	1,40	28,00	112,00
0+100.00	1,40	28,00	140,00
0+120.00	1,40	28,00	168,00
0+126.18	1,40	8,68	176,68
0+140.00	1,40	19,34	196,00
0+160.00	1,40	28,00	224,00
0+180.00	1,40	28,00	252,00
0+200.00	1,40	28,00	280,00
0+220.00	1,40	28,00	308,00
0+240.00	1,40	28,00	336,00
0+260.00	1,40	28,00	364,00
0+280.00	1,40	28,00	392,00
0+300.00	1,40	28,00	420,00
0+320.00	1,40	28,00	448,00
0+340.00	1,40	28,00	476,00
0+360.00	1,40	28,00	504,00
0+380.00	1,40	28,00	532,00
0+400.00	1,40	28,00	560,00
0+420.00	1,40	28,00	588,00
0+440.00	1,40	28,00	616,00
0+460.00	1,40	28,00	644,00
0+480.00	1,40	28,00	672,00
0+500.00	1,40	28,00	700,00
0+520.00	1,40	28,00	728,00
0+540.00	1,40	28,00	756,00
0+560.00	1,40	28,00	784,00
0+580.00	1,40	28,00	812,00
0+600.00	1,40	28,00	840,00
0+620.00	1,40	28,00	868,00
0+640.00	1,40	28,00	896,00
0+660.00	1,40	28,00	924,00
0+680.00	1,40	28,00	952,00
0+700.00	1,40	28,00	980,00
0+720.00	1,40	28,00	1008,00
0+740.00	1,40	28,00	1036,00
0+760.00	1,40	28,00	1064,00
0+780.00	1,40	28,00	1092,00
0+800.00	1,40	28,00	1120,00
0+820.00	1,40	28,00	1148,00
0+840.00	1,40	28,00	1176,00
0+860.00	1,40	28,00	1204,00
0+880.00	1,40	28,00	1232,00
0+900.00	1,40	28,00	1260,00
0+920.00	1,40	28,00	1288,00
0+940.00	1,40	28,00	1316,00
0+960.00	1,40	28,00	1344,00
0+980.00	1,40	28,00	1372,00
1+000.00	1,40	28,00	1400,00
1+020.00	1,40	28,00	1428,00
1+040.00	1,40	28,00	1456,00
1+060.00	1,40	28,00	1484,00
1+080.00	1,40	28,00	1512,00
1+100.00	1,40	28,00	1540,00
1+120.00	1,40	28,00	1568,00
1+140.00	1,40	28,00	1596,00
1+160.00	1,40	28,00	1624,00
1+180.00	1,40	28,00	1652,00
1+200.00	1,40	28,00	1680,00
1+220.00	1,40	28,00	1708,00
1+240.00	1,40	28,00	1736,00
1+260.00	1,40	28,00	1764,00
1+280.00	1,40	28,00	1792,00
1+300.00	1,40	28,00	1820,00
1+320.00	1,40	28,00	1848,00
1+340.00	1,40	28,00	1876,00
1+360.00	1,40	28,00	1904,00
1+380.00	1,40	28,00	1932,00
1+400.00	1,40	28,00	1960,00
1+420.00	1,40	28,00	1988,00
1+440.00	1,40	28,00	2016,00
1+460.00	1,40	28,00	2044,00
1+480.00	1,40	28,00	2072,00
1+500.00	1,40	28,00	2100,00
1+520.00	1,40	28,00	2128,00
1+533.34	0,00	9,34	2137,34



Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.03	1.96	0.00	0.00	0.00	0.00
0+020.00	0.01	2.84	0.46	48.03	0.46	48.03
0+040.00	0.08	2.50	0.96	53.38	1.41	101.41
0+060.00	0.07	2.67	1.56	51.67	2.97	153.08
0+080.00	0.00	3.29	0.73	59.56	3.70	212.64
0+100.00	0.00	3.55	0.00	68.38	3.70	281.02
0+120.00	0.03	3.00	0.30	65.53	4.00	346.55
0+126.18	0.04	3.01	0.23	18.58	4.23	365.13
0+140.00	0.00	3.66	0.31	46.10	4.54	411.23
0+160.00	0.00	2.91	0.00	65.71	4.54	476.94
0+180.00	0.62	1.19	6.24	41.01	10.78	517.95
0+200.00	0.62	0.87	12.55	20.53	23.33	538.48
0+220.00	0.62	1.15	12.65	20.00	35.98	558.48
0+240.00	0.50	0.96	11.33	21.01	47.31	579.49
0+260.00	0.40	0.88	8.99	18.43	56.30	597.91
0+280.00	0.54	0.94	9.37	18.20	65.67	616.11
0+300.00	0.68	1.13	12.25	20.58	77.91	636.70
0+320.00	0.10	1.54	7.84	26.69	85.75	663.38
0+340.00	0.42	0.91	5.18	24.54	90.93	687.92
0+360.00	0.18	1.58	5.90	24.88	96.83	712.80



Palestine Polytechnic  
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**supervision:**

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**by:**

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Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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GRID SYSTEM.

Scale section

1:500

Date: 12/23/2021

Volume report

Sheet# 1

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+380.00	0.24	2.35	4.16	39.23	100.99	752.03
0+400.00	0.03	3.74	2.75	60.82	103.73	812.85
0+420.00	0.01	3.14	0.41	68.75	104.14	881.61
0+440.00	0.00	3.33	0.08	64.66	104.22	946.27
0+460.00	0.17	3.84	1.75	71.64	105.97	1017.91
0+480.00	0.00	4.53	1.73	83.72	107.70	1101.63
0+500.00	0.11	1.63	1.13	61.58	108.83	1163.21
0+520.00	2.49	0.00	26.08	16.28	134.91	1179.49
0+540.00	4.06	0.00	65.63	0.00	200.54	1179.49
0+560.00	3.64	0.00	77.25	0.00	277.79	1179.49
0+580.00	1.99	0.00	56.33	0.00	334.12	1179.49
0+600.00	1.34	0.22	33.27	2.19	367.40	1181.68
0+620.00	1.09	0.26	24.22	4.78	391.61	1186.46
0+640.00	0.50	0.55	15.91	8.12	407.52	1194.57
0+660.00	0.12	1.90	6.30	24.49	413.82	1219.06
0+680.00	0.28	1.94	3.98	38.40	417.80	1257.46
0+700.00	0.02	2.38	2.98	43.25	420.79	1300.71
0+720.00	0.08	1.79	1.07	41.67	421.86	1342.38
0+740.00	0.25	1.89	3.37	36.81	425.22	1379.19
0+760.00	0.02	1.54	2.69	34.33	427.92	1413.52



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Scale section

1:500

Date: 12/23/2021

Volume report

Sheet#2

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+780.00	0.44	0.39	4.59	19.25	432.51	1432.77
0+800.00	0.17	2.05	6.17	24.23	438.68	1457.00
0+820.00	0.00	4.89	1.67	69.29	440.35	1526.29
0+840.00	0.00	4.53	0.00	94.16	440.35	1620.45
0+860.00	0.00	4.85	0.00	93.88	440.35	1714.33
0+880.00	0.06	1.56	0.60	64.25	440.96	1778.57
0+900.00	2.14	0.10	22.42	16.78	463.38	1795.36
0+920.00	14.81	0.00	170.30	1.02	633.68	1796.37
0+940.00	23.16	0.00	379.66	0.00	1013.34	1796.37
0+960.00	24.27	0.00	474.32	0.00	1487.65	1796.37
0+980.00	25.88	0.00	501.47	0.00	1989.12	1796.37
1+000.00	21.89	0.00	478.95	0.00	2468.08	1796.37
1+020.00	15.57	0.00	374.62	0.00	2842.69	1796.37
1+040.00	10.00	0.00	255.69	0.00	3098.38	1796.37
1+060.00	6.34	0.00	163.33	0.00	3261.72	1796.37
1+080.00	3.04	0.00	93.76	0.00	3355.47	1796.37
1+100.00	0.73	0.40	37.68	4.00	3393.15	1800.37
1+120.00	0.32	1.52	10.52	19.25	3403.67	1819.63
1+140.00	0.23	1.91	5.50	34.31	3409.18	1853.94
1+160.00	0.00	2.36	2.31	42.73	3411.49	1896.66



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GRID SYSTEM.

*Scale section*

1:500

*Date: 12/23/2021*

*Volume report*

*Sheet#3*

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.03	1.96	0.00	0.00	0.00	0.00
0+020.00	0.01	2.84	0.46	48.03	0.46	48.03
0+040.00	0.08	2.50	0.96	53.38	1.41	101.41
0+060.00	0.07	2.67	1.56	51.67	2.97	153.08
0+080.00	0.00	3.29	0.73	59.56	3.70	212.64
0+100.00	0.00	3.55	0.00	68.38	3.70	281.02
0+120.00	0.03	3.00	0.30	65.53	4.00	346.55
0+126.18	0.04	3.01	0.23	18.58	4.23	365.13
0+140.00	0.00	3.66	0.31	46.10	4.54	411.23
0+160.00	0.00	2.91	0.00	65.71	4.54	476.94
0+180.00	0.62	1.19	6.24	41.01	10.78	517.95
0+200.00	0.62	0.87	12.55	20.53	23.33	538.48
0+220.00	0.62	1.15	12.65	20.00	35.98	558.48
0+240.00	0.50	0.96	11.33	21.01	47.31	579.49
0+260.00	0.40	0.88	8.99	18.43	56.30	597.91
0+280.00	0.54	0.94	9.37	18.20	65.67	616.11
0+300.00	0.68	1.13	12.25	20.58	77.91	636.70
0+320.00	0.10	1.54	7.84	26.69	85.75	663.38
0+340.00	0.42	0.91	5.18	24.54	90.93	687.92
0+360.00	0.18	1.58	5.90	24.88	96.83	712.80



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GRID SYSTEM.

Scale section

1 : 500

Date: 12/23/2021

Volume report

Sheet#4

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.03	1.98	0.00	0.00	0.00	0.00
0+020.00	0.01	2.84	0.48	48.03	0.48	48.03
0+040.00	0.08	2.50	0.98	53.38	1.41	101.41
0+060.00	0.07	2.67	1.56	51.67	2.97	153.08
0+080.00	0.00	3.29	0.73	59.56	3.70	212.84
0+100.00	0.00	3.55	0.00	66.38	3.70	281.02
0+120.00	0.03	3.00	0.30	65.53	4.00	348.95
0+128.18	0.04	3.01	0.23	18.58	4.23	385.13
0+140.00	0.00	3.68	0.31	46.10	4.54	411.23
0+160.00	0.00	2.91	0.00	65.71	4.54	476.94
0+180.00	0.62	1.19	6.24	41.01	10.78	517.95
0+200.00	0.62	0.67	12.95	20.53	23.33	538.48
0+220.00	0.62	1.15	12.65	20.00	35.98	558.48
0+240.00	0.50	0.98	11.33	21.01	47.31	579.49
0+260.00	0.40	0.88	8.89	18.43	56.30	597.91
0+280.00	0.54	0.84	9.37	18.20	65.67	616.11
0+300.00	0.88	1.13	12.26	20.58	77.81	636.70
0+320.00	0.10	1.54	7.84	26.69	85.75	663.38
0+340.00	0.42	0.91	5.18	24.54	90.93	687.92
0+360.00	0.18	1.58	5.80	24.88	96.83	712.80
0+380.00	0.24	2.35	4.16	38.23	100.99	752.03
0+400.00	0.03	3.74	2.75	60.82	103.73	812.85
0+420.00	0.01	3.14	0.41	68.75	104.14	881.61
0+440.00	0.00	3.33	0.08	64.86	104.22	948.27
0+460.00	0.17	3.84	1.75	71.64	105.97	1017.91
0+480.00	0.00	4.53	1.73	83.72	107.70	1101.63
0+500.00	0.11	1.63	1.13	61.58	108.83	1163.21
0+520.00	2.49	0.00	26.08	18.28	134.91	1179.49
0+540.00	4.08	0.00	65.63	0.00	200.54	1179.49
0+560.00	3.64	0.00	77.25	0.00	277.79	1179.49
0+580.00	1.99	0.00	56.33	0.00	334.12	1179.49
0+600.00	1.34	0.22	33.27	2.19	367.40	1181.68
0+620.00	1.09	0.28	24.22	4.78	381.61	1186.46
0+640.00	0.50	0.55	15.91	8.12	407.52	1194.57
0+660.00	0.12	1.90	6.30	24.49	413.82	1216.08
0+680.00	0.28	1.94	3.88	38.40	417.80	1257.48
0+700.00	0.02	2.38	2.88	43.25	420.79	1300.71
0+720.00	0.08	1.79	1.07	41.67	421.86	1342.38
0+740.00	0.25	1.89	3.37	38.81	425.22	1378.19
0+760.00	0.02	1.54	2.89	34.33	427.92	1413.52
0+780.00	0.44	0.39	4.59	19.25	432.51	1432.77
0+800.00	0.17	2.05	6.17	24.23	438.68	1457.00
0+820.00	0.00	4.89	1.67	69.29	440.35	1526.29
0+840.00	0.00	4.53	0.00	94.16	440.35	1620.45
0+860.00	0.00	4.85	0.00	93.88	440.35	1714.33
0+880.00	0.06	1.56	0.60	64.25	440.96	1778.57
0+900.00	2.14	0.10	22.42	18.78	463.38	1795.36
0+920.00	14.81	0.00	170.30	1.02	633.68	1796.37
0+940.00	23.16	0.00	378.68	0.00	1013.34	1796.37
0+960.00	24.27	0.00	474.32	0.00	1487.65	1796.37
0+980.00	25.88	0.00	501.47	0.00	1889.12	1796.37
1+000.00	21.89	0.00	478.95	0.00	2468.08	1796.37
1+020.00	15.57	0.00	374.62	0.00	2842.89	1796.37
1+040.00	10.00	0.00	255.69	0.00	3098.38	1796.37
1+060.00	6.34	0.00	163.33	0.00	3261.72	1796.37
1+080.00	3.04	0.00	93.78	0.00	3355.47	1796.37
1+100.00	0.73	0.40	37.88	4.00	3393.15	1800.37
1+120.00	0.32	1.52	10.62	19.25	3403.67	1819.63
1+140.00	0.23	1.91	5.50	34.31	3409.18	1853.94
1+160.00	0.00	2.38	2.31	42.73	3411.49	1896.66
1+180.00	0.00	2.70	0.02	50.88	3411.51	1947.34
1+200.00	0.11	1.78	1.13	44.61	3412.64	1991.95
1+220.00	0.23	1.46	3.48	32.21	3416.10	2024.16
1+240.00	0.46	1.59	6.94	30.54	3423.04	2054.70
1+260.00	0.23	2.47	6.88	40.63	3429.82	2095.34
1+280.00	0.00	3.24	2.27	57.09	3432.19	2152.43
1+300.00	0.05	3.37	0.52	66.08	3432.72	2218.51
1+320.00	0.00	2.90	0.55	62.72	3433.27	2281.23
1+340.00	0.00	2.94	0.03	56.39	3433.29	2339.62
1+360.00	0.00	3.88	0.00	69.22	3433.29	2408.85
1+380.00	0.00	4.69	0.00	86.78	3433.29	2495.62
1+400.00	0.05	4.23	0.49	89.23	3433.79	2584.85
1+420.00	0.03	3.73	0.84	78.47	3434.63	2664.32
1+440.00	0.00	3.37	0.35	70.94	3434.98	2735.28
1+460.00	0.00	2.70	0.00	60.84	3434.98	2795.91
1+480.00	0.00	4.48	0.03	71.80	3435.01	2867.71
1+500.00	0.00	3.68	0.03	81.25	3435.04	2948.96
1+520.00	0.14	3.07	1.40	67.49	3436.45	3016.46
1+533.34	0.00	0.00	0.94	20.48	3437.38	3036.94

1,162740.825,94980.502,813.752,  
2,162740.336,94978.940,813.783,  
3,162740.220,94977.325,813.783,sf  
4,162739.389,94973.184,813.749,sf  
5,162739.049,94971.367,813.854,  
6,162738.451,94968.800,813.819,  
7,162729.825,94970.192,813.900,  
8,162730.229,94972.443,813.760,  
9,162730.769,94975.020,813.516,sf  
10,162731.406,94978.503,813.496,sf  
11,162731.869,94981.299,813.544,  
12,162731.920,94983.548,813.811,  
13,162716.122,94985.714,813.212,  
14,162715.209,94985.979,813.337,co  
15,162714.611,94983.178,813.020,  
16,162714.706,94981.896,812.952,sf  
17,162714.273,94978.065,812.937,sf  
18,162713.848,94975.802,813.067,  
19,162713.307,94973.872,813.260,  
20,162705.492,94975.422,812.997,  
21,162705.836,94977.615,812.792,  
22,162706.045,94979.177,812.704,sf  
23,162706.563,94982.933,812.715,sf  
24,162706.663,94985.608,812.788,  
25,162706.992,94987.901,812.807,cos  
26,162697.196,94988.442,812.564,  
27,162696.960,94986.058,812.505,  
28,162696.770,94984.688,812.452,sf  
29,162696.145,94980.695,812.465,sf  
30,162695.845,94978.614,812.568,  
31,162695.640,94977.002,812.803,  
32,162687.071,94978.055,812.579,  
33,162687.205,94978.840,812.583,  
34,162687.926,94981.536,812.309,sf  
35,162688.643,94985.435,812.277,sf  
36,162688.938,94986.761,812.222,  
37,162689.568,94989.170,812.416,co  
38,162678.700,94991.103,812.076,  
39,162678.482,94989.940,811.873,  
40,162678.078,94988.056,812.000,sf  
41,162677.380,94983.525,811.956,sf  
42,162677.162,94981.889,811.966,  
43,162676.928,94980.405,812.177,  
44,162665.205,94982.278,811.834,  
45,162663.984,94983.212,811.738,  
46,162664.193,94984.822,811.640,sf  
47,162664.495,94988.878,811.655,sf  
48,162664.611,94991.352,811.760,sf  
49,162664.706,94994.409,811.548,co  
50,162654.777,94994.012,811.463,  
51,162654.657,94993.656,811.576,  
52,162654.461,94990.336,811.380,sf  
53,162653.832,94986.412,811.409,sf  
54,162653.817,94985.448,811.344,  
55,162653.355,94983.379,811.676,  
56,162643.004,94983.629,811.418,

57,162643.433,94985.495,811.153,  
58,162643.532,94987.477,811.145,sf  
59,162643.699,94991.349,811.072,sf  
60,162643.883,94993.445,811.040,  
61,162643.996,94995.271,811.197,so  
62,162642.880,94996.491,811.474,soc  
63,162633.954,94997.530,810.951,  
64,162633.478,94995.026,810.705,  
65,162633.159,94992.822,810.709,sf  
66,162632.603,94988.949,810.729,sf  
67,162632.257,94986.714,810.787,  
68,162632.128,94985.243,810.928,  
69,162623.699,94986.018,810.871,  
70,162624.443,94988.594,810.562,  
71,162624.645,94990.086,810.491,sf  
72,162625.158,94993.810,810.404,sf  
73,162625.123,94996.026,810.420,  
74,162626.883,94999.225,810.781,co  
75,162616.243,94999.869,810.149,  
76,162615.530,94997.470,810.146,  
77,162615.176,94995.348,810.098,sf  
78,162614.239,94991.803,810.193,sf  
79,162613.922,94989.963,810.322,  
80,162613.658,94987.637,810.467,  
81,162603.028,94989.217,810.178,  
82,162603.598,94991.675,810.055,  
83,162603.875,94993.505,809.894,sf  
84,162604.481,94996.917,809.835,sf  
85,162605.022,94999.095,809.881,  
86,162605.232,95001.221,810.005,co  
87,162593.829,95004.145,810.069,cos  
88,162593.137,95001.216,809.575,  
89,162592.689,94999.331,809.511,sf  
90,162591.667,94995.881,809.549,sf  
91,162591.206,94993.930,809.768,  
92,162590.087,94991.495,809.683,  
93,162578.114,94994.024,809.362,  
94,162578.634,94996.574,809.254,  
95,162578.967,94998.243,809.133,sf  
96,162579.486,95002.231,809.120,sf  
97,162579.934,95004.611,809.200,  
98,162580.212,95006.413,809.239,  
99,162572.116,95008.104,808.911,co  
100,162571.582,95005.716,808.878,  
101,162571.272,95004.065,808.838,sf  
102,162570.292,95000.074,808.827,sf  
103,162569.884,94997.756,808.924,  
104,162569.309,94996.015,809.056,  
105,162562.613,94997.503,808.950,  
106,162563.283,94999.943,808.690,  
107,162563.616,95001.602,808.651,sf  
108,162554.059,95003.413,808.372,sf  
109,162553.663,95001.282,808.392,  
110,162553.185,94998.158,809.062,co  
111,162553.505,95007.780,808.429,sf  
112,162555.382,95009.594,808.464,sf  
113,162557.019,95011.233,808.472,sf

114,162559.078,95013.662,808.470,sf  
115,162559.892,95015.006,808.407,sf  
116,162561.037,95022.509,808.075,sf  
117,162565.305,95022.196,808.126,sf  
118,162564.533,95016.370,808.300,sf  
119,162564.580,95014.763,808.407,sf  
120,162565.199,95012.619,808.447,sf  
121,162566.602,95009.428,808.658,sf  
122,162567.574,95006.704,808.714,sf  
123,162568.148,95004.642,808.736,sf  
124,162562.763,95005.842,808.630,sf  
125,162553.385,95009.825,808.405,  
126,162553.884,95011.887,808.551,  
127,162543.796,95013.682,808.322,  
128,162543.518,95011.243,808.255,  
129,162543.376,95009.856,808.178,sf  
130,162542.761,95005.421,808.108,sf  
131,162542.097,95003.172,808.216,  
132,162541.852,95000.935,808.187,  
133,162528.055,95003.055,808.244,  
134,162528.308,95005.108,807.949,  
135,162528.450,95007.277,807.833,sf  
136,162528.520,95011.585,807.857,sf  
137,162528.597,95013.478,807.933,  
138,162528.471,95016.143,807.741,cos  
139,162517.294,95015.740,807.572,  
140,162517.378,95013.732,807.726,  
141,162517.363,95012.083,807.644,sf  
142,162517.223,95007.849,807.645,sf  
143,162517.265,95006.006,807.736,  
144,162517.073,95003.537,807.884,  
145,162507.280,95002.555,807.540,co  
146,162507.010,95005.318,807.520,  
147,162507.045,95007.871,807.460,sf  
148,162506.976,95011.903,807.441,sf  
149,162506.743,95014.238,807.540,  
150,162506.650,95016.301,807.524,  
151,162492.064,95015.890,807.347,  
152,162491.996,95013.551,807.212,  
153,162492.128,95011.467,807.210,sf  
154,162492.373,95007.743,807.198,sf  
155,162492.452,95005.717,807.200,  
156,162492.426,95003.903,807.514,  
157,162480.816,95003.297,807.159,  
158,162480.777,95005.005,807.087,  
159,162480.626,95006.918,806.943,sf  
160,162480.317,95010.879,806.930,sf  
161,162480.293,95013.031,806.971,  
162,162480.167,95015.133,807.176,  
163,162469.418,95014.203,806.843,so  
164,162469.661,95011.863,806.820,  
165,162469.823,95010.258,806.773,sf  
166,162470.124,95006.208,806.774,sf  
167,162470.289,95004.049,806.856,  
168,162470.420,95002.032,807.019,  
169,162456.420,95001.395,806.694,  
170,162456.345,95003.553,806.620,



171,162456.304,95004.882,806.593,sf  
172,162455.797,95008.932,806.577,sf  
173,162455.814,95010.993,806.616,  
174,162455.695,95013.251,806.682,  
175,162447.006,95013.474,806.593,  
176,162446.968,95011.341,806.373,  
177,162446.717,95008.238,806.390,sf  
178,162446.892,95004.414,806.413,sf  
179,162447.115,95002.082,806.528,  
180,162447.202,95000.381,806.655,  
181,162437.571,94998.878,806.607,cos  
182,162437.409,95001.797,806.447,  
183,162437.171,95003.813,806.255,sf  
184,162425.433,95003.160,805.969,sf  
185,162425.542,95000.957,806.198,  
186,162425.687,94999.171,806.324,  
187,162424.716,95007.061,805.963,sf  
188,162425.632,95008.099,805.967,sf  
189,162426.837,95008.937,805.989,sf  
190,162428.718,95009.531,805.980,sf  
191,162429.208,95009.726,806.034,sf  
192,162429.960,95010.308,806.008,sf  
193,162430.751,95011.380,805.944,sf  
194,162431.499,95012.635,805.920,sf  
195,162432.575,95014.586,805.853,sf  
196,162432.955,95015.879,805.812,sf  
197,162432.841,95019.997,805.532,sf  
198,162435.781,95021.905,805.514,sf  
199,162436.852,95019.838,805.671,sf  
200,162437.880,95017.762,805.805,sf  
201,162439.197,95015.428,805.984,sf  
202,162440.583,95013.846,806.105,sf  
203,162442.279,95011.855,806.221,sf  
204,162443.620,95010.097,806.298,sf  
205,162444.946,95008.154,806.377,sf  
206,162436.351,95007.266,806.205,sf  
207,162425.187,95008.327,805.868,  
208,162424.077,95010.649,806.051,  
209,162414.921,95009.791,805.943,  
210,162414.863,95009.526,805.734,  
211,162414.928,95006.721,805.701,sf  
212,162414.971,95002.754,805.731,sf  
213,162415.034,95001.903,805.855,  
214,162415.098,95000.588,806.031,  
215,162410.573,94999.613,805.663,  
216,162410.482,95001.267,805.606,  
217,162410.378,95002.482,805.568,sf  
218,162410.031,95006.484,805.575,sf  
219,162409.908,95008.210,805.600,  
220,162409.706,95010.940,806.085,  
221,162393.678,95010.021,805.245,  
222,162393.567,95007.305,805.171,  
223,162393.654,95005.758,805.112,sf  
224,162393.780,95001.997,805.142,sf  
225,162392.908,94999.398,805.311,  
226,162391.627,94997.869,805.329,  
227,162374.486,95001.441,804.603,sf

228,162374.532,94999.744,804.719,  
229,162374.587,94996.681,805.204,cos  
230,162374.077,95005.101,804.578,sf  
231,162373.911,95006.788,804.603,  
232,162373.493,95009.024,804.469,  
233,162360.050,94997.182,804.195,  
234,162360.088,94999.568,804.221,  
235,162360.005,95000.977,804.148,sf  
236,162359.720,95004.834,804.107,sf  
237,162359.659,95006.742,804.140,  
238,162359.700,95008.664,804.014,  
239,162343.716,95007.996,803.576,co  
240,162343.677,95006.164,803.587,  
241,162343.683,95004.491,803.571,sf  
242,162343.631,95000.484,803.560,sf  
243,162343.544,94998.249,803.656,  
244,162343.526,94996.195,803.535,  
245,162327.357,94996.472,802.981,  
246,162327.333,94998.596,802.914,  
247,162327.341,95000.663,802.822,  
248,162327.329,95004.507,802.849,  
249,162327.460,95006.668,802.767,  
250,162327.455,95008.677,802.657,  
251,162317.214,95008.877,802.432,  
252,162317.083,95005.959,802.331,  
253,162317.092,95004.339,802.355,sf  
254,162316.952,95000.710,802.335,sf  
255,162316.945,94998.645,802.395,sf  
256,162317.204,94996.505,802.476,  
257,162299.213,94996.250,801.691,cos  
258,162299.083,94999.171,801.662,  
259,162299.155,95001.095,801.579,sf  
260,162299.167,95004.925,801.623,sf  
261,162299.258,95006.923,801.660,sf  
262,162299.301,95008.821,801.744,  
263,162303.600,95009.287,801.875,co  
264,162285.509,95009.785,801.071,  
265,162285.294,95007.693,801.149,  
266,162285.209,95005.609,801.088,sf  
267,162284.986,95001.624,801.044,sf  
268,162285.148,94998.901,801.146,  
269,162285.121,94996.779,801.271,  
270,162273.200,94998.130,800.730,  
271,162273.311,95000.426,800.619,  
272,162273.317,95002.289,800.552,sf  
273,162273.559,95006.104,800.540,sf  
274,162273.736,95007.947,800.553,  
275,162274.024,95010.065,800.353,  
276,162261.245,95010.574,800.220,co  
277,162261.053,95008.310,800.103,  
278,162260.990,95006.778,799.991,sf  
279,162260.819,95002.802,800.015,sf  
280,162260.770,95001.057,800.143,  
281,162260.886,94998.406,800.148,  
282,162245.559,94998.858,799.373,  
283,162245.826,95001.429,799.228,  
284,162245.868,95003.053,799.139,sf

285,162245.721,95007.062,799.082,sf  
286,162245.592,95008.840,799.263,  
287,162245.738,95010.854,799.268,  
288,162225.905,95011.910,798.211,co  
289,162225.675,95009.070,797.964,  
290,162225.714,95006.580,797.941,sf  
291,162225.822,95002.700,797.913,sf  
292,162225.928,95000.422,798.027,  
293,162225.862,94998.297,798.021,cos  
294,162210.070,94997.403,797.281,  
295,162209.945,94999.797,797.230,  
296,162209.804,95001.700,797.145,sf  
297,162209.684,95005.495,797.148,sf  
298,162209.648,95007.634,797.128,  
299,162209.455,95010.387,797.178,  
300,162195.741,95008.887,796.728,  
301,162195.766,95005.934,796.593,  
302,162195.838,95004.326,796.501,sf  
303,162196.186,95000.486,796.517,sf  
304,162196.363,94998.375,796.573,  
305,162196.574,94996.232,796.607,  
306,162185.086,94995.549,796.292,co  
307,162184.986,94998.092,795.988,  
308,162184.919,94999.360,796.044,sf  
309,162184.689,95003.041,796.024,sf  
310,162184.581,95005.189,796.111,  
311,162184.465,95008.643,796.111,co  
312,162178.608,95007.781,796.001,w  
313,162168.407,95006.766,795.550,w  
314,162168.699,95003.474,795.425,  
315,162168.747,95002.162,795.449,sf  
316,162169.150,94997.978,795.389,sf  
317,162169.258,94995.955,795.446,  
318,162169.436,94993.732,795.506,  
319,162157.904,94991.605,795.262,cos  
320,162157.885,94994.466,795.095,  
321,162157.691,94996.596,794.997,sf  
322,162157.196,95000.473,794.969,sf  
323,162157.008,95003.040,795.026,  
324,162161.639,95006.070,795.577,w  
325,162147.595,95004.778,794.898,w  
326,162147.500,95003.681,795.054,co  
327,162145.848,94999.152,794.420,sf  
328,162145.914,94995.322,794.530,sf  
329,162145.471,94992.249,794.651,  
330,162145.411,94990.725,794.757,co  
331,162133.150,94988.556,794.150,  
332,162133.052,94991.011,794.077,  
333,162132.782,94993.174,793.951,sf  
334,162132.240,94996.999,793.917,sf  
335,162131.988,94999.121,794.030,  
336,162131.855,95000.787,793.991,  
337,162117.587,94998.517,793.305,co  
338,162117.871,94996.422,793.351,  
339,162118.164,94994.953,793.341,sf  
340,162118.484,94991.195,793.426,sf  
341,162119.043,94988.678,793.506,

342,162119.271,94986.542,793.528,  
343,162106.922,94985.440,793.092,  
344,162106.608,94987.557,792.939,  
345,162106.345,94989.305,792.875,  
346,162105.668,94992.884,792.892, sf  
347,162105.192,94994.928,792.959,  
348,162104.899,94996.485,792.927,  
349,162096.972,94995.384,793.048, co  
350,162097.317,94992.974,792.686,  
351,162097.461,94991.367,792.584, sf  
352,162097.951,94987.667,792.555, sf  
353,162098.343,94985.949,792.603,  
354,162098.732,94984.069,792.643,  
355,162078.739,94979.166,791.898, cos  
356,162078.354,94981.848,791.757,  
357,162078.214,94983.642,791.757, sf  
358,162077.235,94983.407,791.719, sf  
359,162076.358,94982.986,791.639, sf  
360,162075.216,94981.756,791.611, sf  
361,162074.477,94979.754,791.556, sf  
362,162073.586,94976.784,791.435, sf  
363,162072.639,94973.208,791.390, sf  
364,162071.948,94970.046,791.412, sf  
365,162068.036,94970.303,791.397, sf  
366,162069.017,94975.746,791.406, sf  
367,162068.849,94977.037,791.374, sf  
368,162068.450,94978.199,791.372, sf  
369,162067.647,94979.282,791.354, sf  
370,162066.569,94980.094,791.327, sf  
371,162064.842,94980.739,791.225, sf  
372,162070.759,94982.321,791.457, sf  
373,162070.871,94985.235,791.482, sf  
374,162070.882,94986.602,791.525,  
375,162070.537,94989.560,791.600,  
376,162071.265,94991.276,791.816, co  
377,162060.889,94988.761,791.270,  
378,162061.482,94986.913,791.253,  
379,162061.837,94984.527,791.227, sf  
380,162062.563,94980.620,791.156, sf  
381,162062.615,94979.685,791.098,  
382,162063.158,94975.833,791.082,  
383,162053.382,94974.449,790.779,  
384,162052.804,94975.662,790.822,  
385,162052.221,94977.415,790.790, sf  
386,162050.870,94981.248,790.798, sf  
387,162050.107,94983.637,790.864,  
388,162048.990,94986.618,791.284, co  
389,162037.818,94981.985,790.455,  
390,162038.022,94980.817,790.460,  
391,162038.017,94979.646,790.371, sf  
392,162039.141,94975.173,790.290, sf  
393,162039.347,94973.762,790.423,  
394,162039.689,94971.697,790.519,  
395,162031.394,94969.544,790.288,  
396,162030.949,94970.753,790.206,  
397,162030.545,94972.475,790.027, sf  
398,162029.723,94977.029,790.081, sf

399,162029.323,94978.586,790.141,  
400,162028.799,94979.637,790.078,  
401,162016.200,94977.438,789.944,  
402,162016.254,94976.774,789.798,  
403,162016.737,94974.905,789.787, sf  
404,162017.147,94972.094,789.727, sf  
405,162017.752,94969.175,789.797,  
406,162018.082,94967.550,789.869,  
407,162003.524,94964.197,789.563,  
408,162002.919,94965.377,789.500,  
409,162002.409,94967.508,789.495, sf  
410,162001.714,94971.599,789.558, sf  
411,162001.363,94973.354,789.602,  
412,162001.046,94975.159,789.524,  
413,161992.885,94974.544,790.009, co  
414,161993.562,94971.739,789.475,  
415,161993.495,94970.801,789.389, sf  
416,161993.985,94965.943,789.354, sf  
417,161994.332,94963.830,789.426,  
418,161994.765,94961.945,789.580,  
419,161982.470,94960.458,789.410,  
420,161981.916,94961.788,789.275,  
421,161981.502,94963.419,789.122, sf  
422,161980.495,94967.481,789.178, sf  
423,161980.144,94968.896,789.335,  
424,161979.610,94970.631,789.284,  
425,161968.290,94969.240,789.465, co  
426,161968.641,94966.353,789.140,  
427,161968.766,94965.498,789.096, sf  
428,161969.807,94960.996,789.007, sf  
429,161970.340,94958.933,789.101,  
430,161971.491,94956.852,789.483, cos  
431,161954.442,94953.767,789.327, co  
432,161953.992,94955.687,789.144,  
433,161953.652,94956.894,789.057, sf  
434,161952.565,94960.700,789.116, sf  
435,161952.106,94962.151,789.183,  
436,161951.499,94963.885,789.219,  
437,161936.484,94959.306,789.463,  
438,161936.913,94957.658,789.366,  
439,161937.556,94955.540,789.296, sf  
440,161938.859,94951.760,789.270, sf  
441,161939.627,94949.872,789.317,  
442,161940.291,94948.300,789.456,  
443,161932.220,94945.093,789.773, co  
444,161931.491,94946.148,789.611,  
445,161930.835,94948.344,789.353, sf  
446,161929.271,94951.943,789.344, sf  
447,161928.627,94953.592,789.403,  
448,161927.881,94955.400,789.362,  
449,161914.948,94949.854,789.410,  
450,161915.656,94947.798,789.409,  
451,161916.103,94946.499,789.399, sf  
452,161917.439,94942.986,789.395, sf  
453,161918.419,94941.050,789.396,  
454,161918.964,94939.477,789.569,  
455,161908.870,94936.358,789.690, co

456,161908.388,94937.619,789.465,  
457,161907.754,94939.642,789.332, sf  
458,161906.442,94943.170,789.368, sf  
459,161905.793,94945.124,789.395,  
460,161905.310,94946.722,789.445,  
461,161893.916,94943.967,789.379,  
462,161894.407,94941.669,789.323,  
463,161894.960,94939.938,789.315, sf  
464,161895.967,94936.118,789.290, sf  
465,161896.441,94934.277,789.395,  
466,161896.880,94932.738,789.519,  
467,161885.767,94930.530,789.442,  
468,161885.286,94931.761,789.387,  
469,161885.130,94933.471,789.316, sf  
470,161884.572,94937.609,789.250, sf  
471,161884.375,94939.136,789.278,  
472,161884.298,94940.794,789.388,  
473,161884.059,94941.481,789.476,  
474,161876.590,94939.824,789.325,  
475,161876.803,94938.362,789.190,  
476,161876.842,94936.814,789.130, sf  
477,161877.399,94933.556,789.239, sf  
478,161877.641,94931.431,789.255,  
479,161878.169,94929.024,789.264,  
480,161865.204,94927.679,789.044, cos  
481,161865.231,94929.850,789.016,  
482,161865.180,94931.981,788.885, sf  
483,161869.230,94935.972,788.973, sf  
484,161869.035,94936.131,789.043, sf  
485,161868.421,94936.010,788.989, sf  
486,161867.710,94937.134,789.052, sf  
487,161866.608,94940.952,789.345, sf  
488,161866.259,94943.365,789.636, sf  
489,161865.835,94947.142,790.121, sf  
490,161861.461,94948.380,790.090, sf  
491,161859.980,94944.492,789.545, sf  
492,161859.124,94940.622,788.997, sf  
493,161858.480,94938.835,788.848, sf  
494,161857.666,94937.781,788.691, sf  
495,161856.060,94936.024,788.686, sf  
496,161857.384,94940.545,788.858, gr  
497,161857.320,94932.482,788.729, sf  
498,161857.267,94931.902,788.793,  
499,161856.829,94928.751,788.750,  
500,161859.008,94927.410,788.908,  
501,161849.113,94929.403,788.630, co  
502,161849.995,94936.546,788.348, sf  
503,161850.114,94938.641,788.371,  
504,161850.478,94941.345,788.640,  
505,161842.385,94942.644,788.166,  
506,161841.819,94940.233,787.853,  
507,161841.396,94938.466,787.743, sf  
508,161840.453,94934.649,787.850, sf  
509,161840.015,94932.945,787.936,  
510,161839.600,94931.051,788.036,  
511,161830.864,94933.039,787.348,  
512,161831.346,94934.930,787.319,

513,161831.830,94936.786,787.282,sf  
514,161832.964,94940.605,787.285,sf  
515,161833.467,94942.038,787.366,  
516,161834.090,94944.115,787.624,  
517,161825.042,94946.922,786.968,  
518,161824.622,94945.160,786.946,  
519,161824.263,94942.853,786.881,sf  
520,161823.360,94939.384,786.795,sf  
521,161822.952,94937.431,786.827,  
522,161822.591,94935.517,786.834,  
523,161813.865,94937.706,787.092,  
524,161814.173,94938.889,786.536,  
525,161814.420,94939.935,786.545,  
526,161814.725,94941.052,786.441,sf  
527,161815.650,94945.057,786.590,sf  
528,161816.087,94946.795,786.599,  
529,161816.745,94949.127,786.619,  
530,161810.860,94950.237,786.572,  
531,161810.131,94948.294,786.471,  
532,161809.645,94946.641,786.429,sf  
533,161808.811,94942.773,786.300,sf  
534,161808.413,94940.777,786.410,  
535,161807.544,94939.433,786.724,  
536,161806.577,94938.277,786.454,cos  
537,161796.040,94942.416,786.366,  
538,161796.385,94943.782,786.249,  
539,161796.628,94945.441,786.117,sf  
540,161797.659,94948.695,786.240,sf  
541,161797.892,94950.772,786.290,  
542,161798.463,94952.882,786.225,  
543,161787.015,94956.261,786.067,tre  
544,161786.229,94953.916,786.095,  
545,161785.839,94952.526,786.035,sf  
546,161785.006,94948.646,785.931,sf  
547,161784.557,94947.042,785.998,  
548,161784.146,94945.412,786.095,  
549,161775.202,94947.445,786.034,  
550,161775.669,94949.511,785.845,  
551,161775.943,94950.596,785.767,sf  
552,161776.729,94954.276,785.854,sf  
553,161777.097,94956.231,785.970,  
554,161777.528,94958.318,785.976,  
555,161770.225,94960.412,785.540,cu  
556,161769.897,94959.259,786.027,cu  
557,161767.226,94959.656,786.118,cu  
558,161767.369,94961.578,785.146,cu  
559,161766.843,94957.524,785.852,  
560,161766.680,94956.607,785.790,sf  
561,161765.764,94953.070,785.792,sf  
562,161765.594,94951.370,785.763,  
563,161765.090,94949.193,786.221,co  
564,161765.996,94948.857,785.382,cu  
565,161766.346,94949.815,785.803,cu  
566,161768.517,94949.457,785.980,cu  
567,161768.279,94948.335,785.332,cu  
568,161756.298,94950.390,786.139,  
569,161756.403,94951.831,786.013,

570,161756.640,94954.213,785.919,sf  
571,161756.961,94957.643,785.937,sf  
572,161757.284,94959.483,785.985,  
573,161757.487,94961.882,786.210,  
574,161746.414,94962.683,786.443,co  
575,161746.281,94960.704,786.272,  
576,161746.095,94959.339,786.215,sf  
577,161745.663,94955.585,786.165,sf  
578,161745.485,94954.129,786.143,  
579,161744.927,94952.183,786.386,  
580,161742.712,94950.998,786.810,co  
581,161733.193,94953.417,786.764,  
582,161733.570,94955.253,786.540,  
583,161733.746,94956.719,786.467,sf  
584,161733.984,94960.509,786.477,sf  
585,161734.172,94962.119,786.610,  
586,161734.424,94964.022,786.881,  
587,161737.553,94962.879,786.514,w  
588,161738.352,94962.840,786.523,  
589,161738.501,94963.984,786.593,  
590,161738.647,94966.887,786.448,  
591,161738.651,94970.829,786.421,  
592,161743.397,94970.781,786.333,  
593,161743.147,94967.676,786.416,  
594,161743.100,94965.009,786.405,  
595,161742.922,94964.026,786.399,  
596,161725.899,94965.555,787.143,co  
597,161725.816,94963.874,786.850,  
598,161725.533,94961.682,786.754,sf  
599,161726.153,94957.872,786.707,sf  
600,161727.272,94956.088,786.747,  
601,161728.077,94954.119,786.946,gr  
602,161726.881,94952.758,787.212,cos  
603,161726.270,94953.027,786.916,  
604,161725.589,94952.522,786.938,  
605,161725.533,94948.584,786.686,  
606,161725.397,94946.033,786.776,  
607,161721.504,94946.122,786.707,  
608,161721.525,94949.339,786.945,  
609,161720.991,94951.684,786.947,  
610,161720.488,94953.356,787.060,  
611,161720.148,94954.352,786.981,  
612,161719.316,94955.389,786.987,  
613,161712.038,94956.420,787.134,  
614,161712.406,94957.841,787.088,  
615,161712.575,94959.152,787.000,sf  
616,161712.956,94963.002,787.027,sf  
617,161713.238,94965.088,787.002,  
618,161713.414,94967.228,787.312,  
619,161703.453,94968.649,787.424,  
620,161703.075,94966.620,787.244,  
621,161702.739,94964.432,787.213,sf  
622,161702.226,94960.629,787.206,sf  
623,161701.997,94959.013,787.229,  
624,161701.701,94957.305,787.347,  
625,161692.392,94957.712,787.565,co  
626,161692.514,94960.391,787.426,



627,161692.659,94961.902,787.363,sf  
628,161693.184,94965.654,787.426,sf  
629,161693.359,94967.463,787.458,  
630,161693.598,94969.549,787.597,  
631,161682.567,94971.439,787.844,  
632,161681.960,94969.088,787.732,  
633,161681.709,94967.205,787.676,sf  
634,161681.240,94963.588,787.597,sf  
635,161680.911,94961.918,787.604,  
636,161680.680,94960.341,787.685,  
637,161670.686,94960.887,787.785,  
638,161670.893,94963.184,787.837,  
639,161671.033,94965.062,787.799,sf  
640,161671.419,94968.878,787.849,sf  
641,161671.635,94970.840,787.913,  
642,161672.011,94973.049,788.113,  
643,161662.008,94973.945,788.361,  
644,161661.463,94971.540,788.129,  
645,161661.457,94970.183,788.070,sf  
646,161661.144,94966.461,788.014,sf  
647,161660.754,94964.125,788.045,  
648,161660.556,94961.402,788.114,  
649,161649.791,94962.348,788.394,  
650,161650.055,94964.877,788.263,  
651,161650.118,94967.052,788.220,sf  
652,161650.373,94970.931,788.322,sf  
653,161650.512,94972.404,788.342,  
654,161650.641,94974.489,788.457,  
655,161639.420,94975.061,788.799,  
656,161639.241,94973.462,788.706,  
657,161639.099,94971.447,788.530,sf  
658,161638.781,94967.639,788.429,sf  
659,161638.720,94965.557,788.496,  
660,161638.527,94963.253,788.613,  
661,161642.745,94962.718,788.603,cos  
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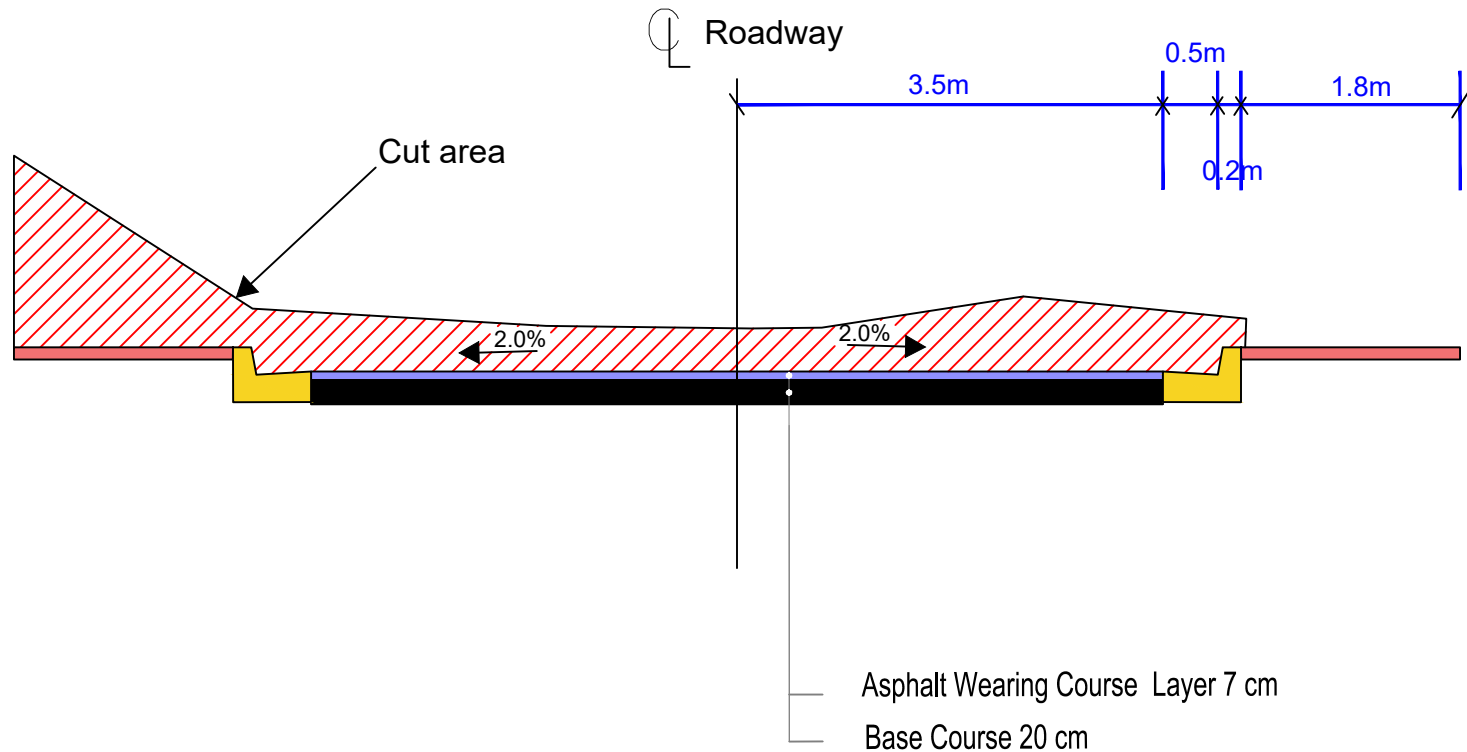
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Asphalt Wearing Course Layer 7 cm  
Base Course 20 cm



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

-  Asphalt
-  Subbase
-  Curb
-  Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjrah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

\*ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.

\*ALL OTHER DIMENSIONS ARE IN CM UNLESS OTHERWISE NOTED.

\*COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.

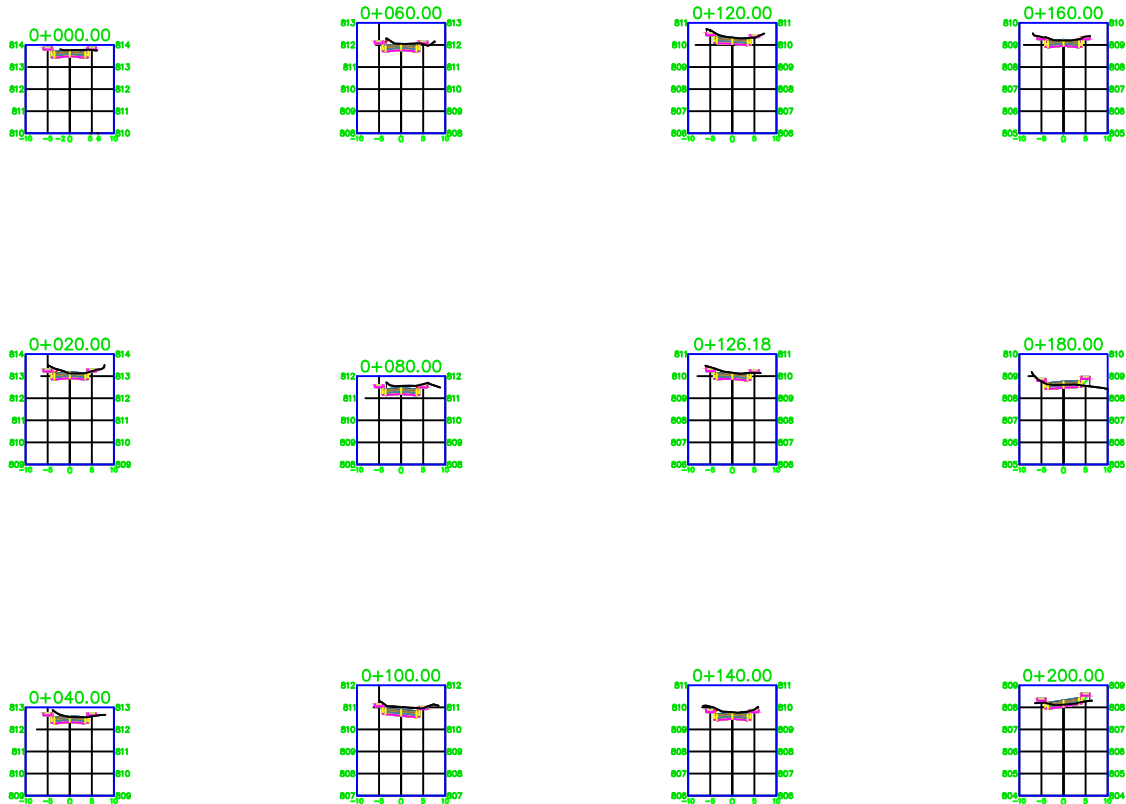
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Date: 12/23/2021

Section 0+820.00

Sheet



Palestine Polytechnic  
University  
Engineering College  
Infrastructure Engineering

**Legend:**

- Fill area
- Cut area
- Asphalt
- Subbase
- Curb
- Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

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AND LEVELS ARE IN METERS.

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CM UNLESS OTHERWISE NOTED.

\*COORDINATES AND ELEVATIONS  
REFER TO THE PALESTINIAN  
GRID SYSTEM.

**Scale section**

1:500

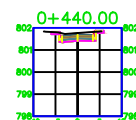
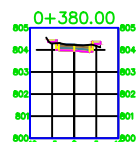
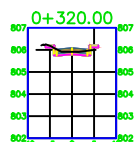
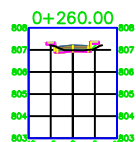
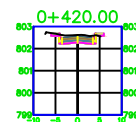
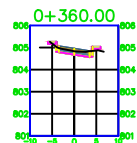
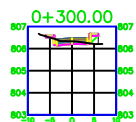
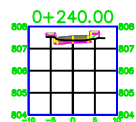
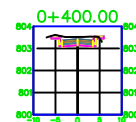
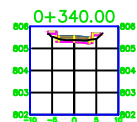
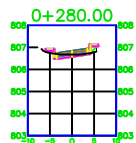
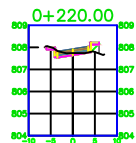
0+00 to 0+200

Date: 12/23/2021

Section

Sheet #1





Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

- Fill area
- Cut area
- Asphalt
- Subbase
- Curb
- Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

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\*ALL OTHER DIMENSIONS ARE IN CM UNLESS OTHERWISE NOTED.

\*COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.

**Scale section**

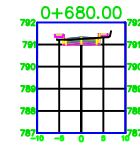
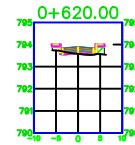
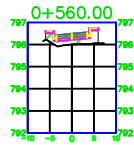
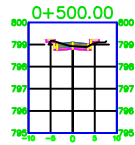
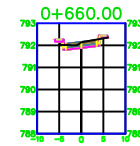
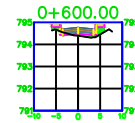
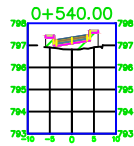
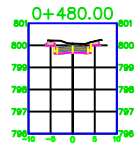
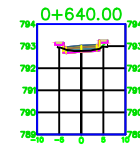
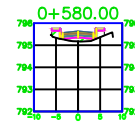
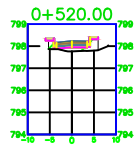
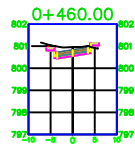
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0+220 to 0+440

Date: 12/23/2021

Section

Sheet #2



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

- Fill area
- Cut area
- Asphalt
- Subbase
- Curb
- Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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**Scale section**

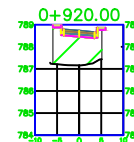
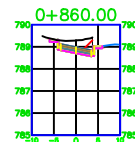
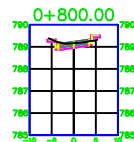
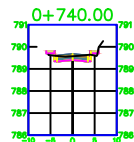
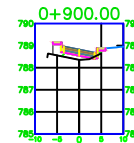
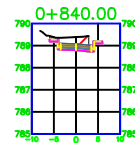
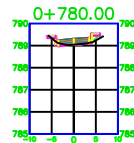
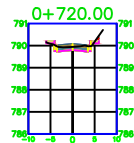
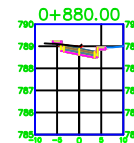
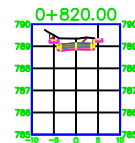
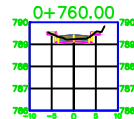
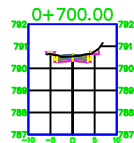
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0+460 to 0+680

Date: 12/23/2021







Section

Sheet #3



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

-  Fill area
-  Cut area
-  Asphalt
-  Subbase
-  Curb
-  Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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**Scale section**

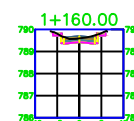
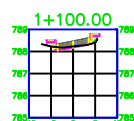
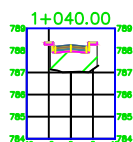
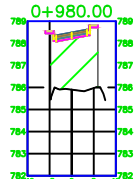
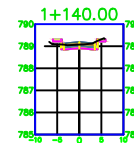
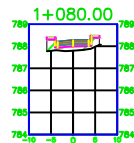
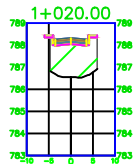
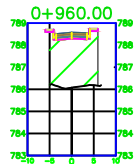
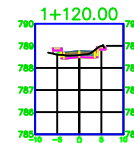
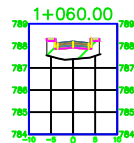
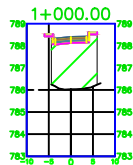
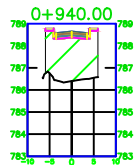
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0+700 to 0+920

Date: 1/2/23/2021







Section

Sheet #4



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

-  Fill area
-  Cut area
-  Asphalt
-  Subbase
-  Curb
-  Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

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**Scale section**

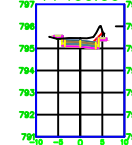
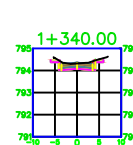
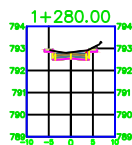
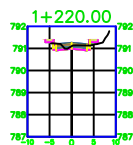
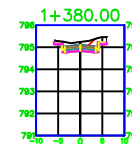
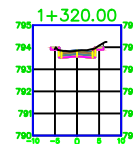
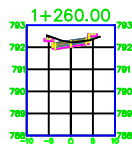
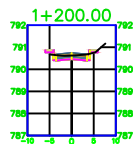
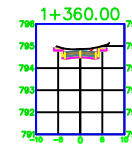
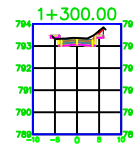
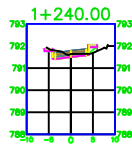
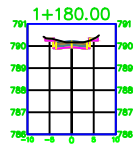
1:500

0+940 to 1+160

Date: 12/23/2021







Section

Sheet #5



Palestine Polytechnic  
University  
Engineering College  
Infrastructure Engineering

**Legend:**

-  Fill area
-  Cut area
-  Asphalt
-  Subbase
-  Curb
-  Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

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CM UNLESS OTHERWISE NOTED.

\*COORDINATES AND ELEVATIONS  
REFER TO THE PALESTINIAN  
GRID SYSTEM.

**Scale section**

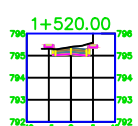
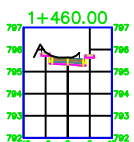
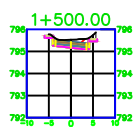
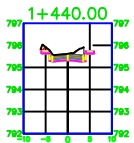
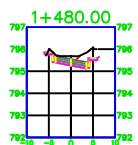
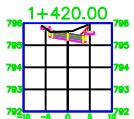
1:500

1 + 180 to 1 + 400

Date: 12/23/2021

Section

Sheet #6



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

- Fill area
- Cut area
- Asphalt
- Subbase
- Curb
- Sidewalk

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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**Scale section**

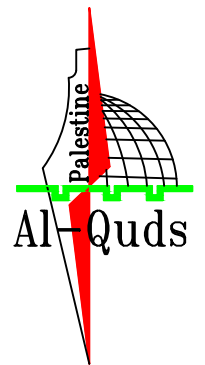
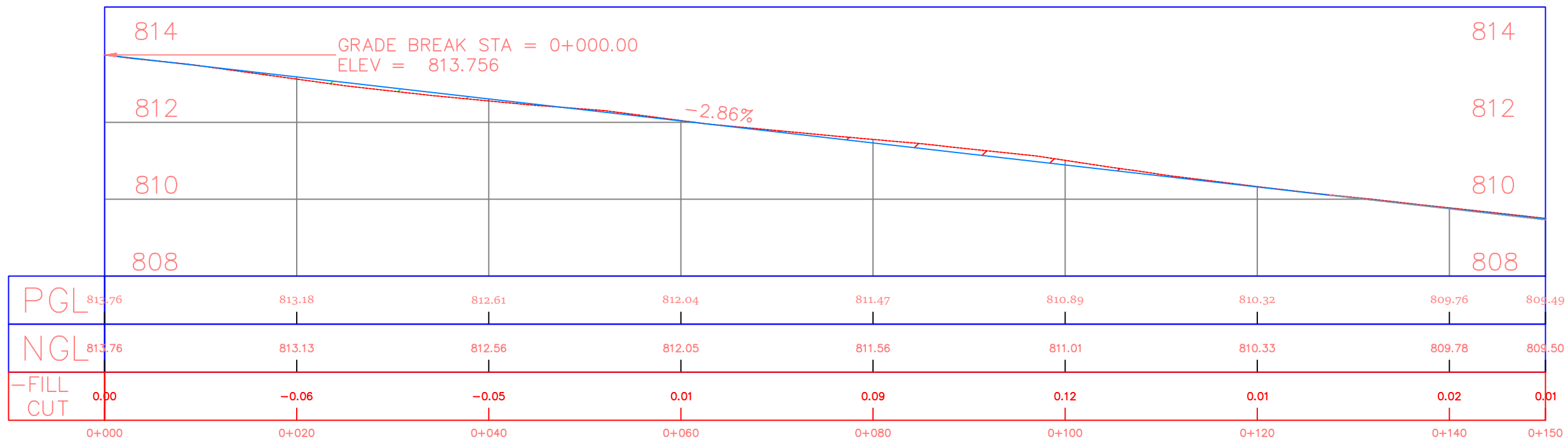
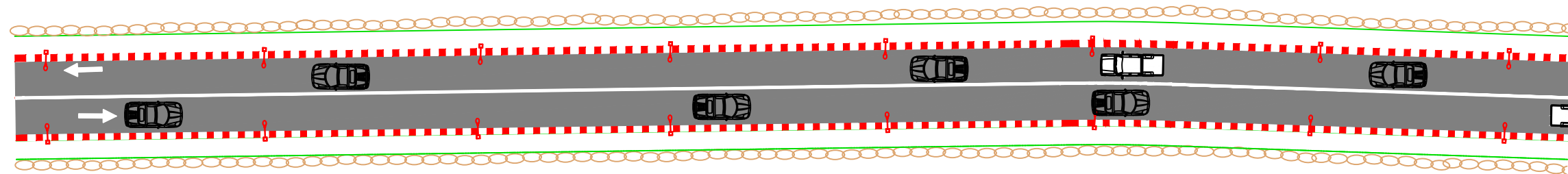
1:500

1+420 to 1+520

Date: 1/23/2021

Section

Sheet #7



Palestine Polytechnic  
University  
Engineering College  
Infrastructure Engineering

**Legend:**

- Stone wall
- Building
- Curb
- NGL
- Border
- FG
- Cut area
- Fill area

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najajrah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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**Plane scale:**

1:500

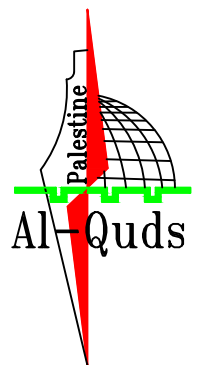
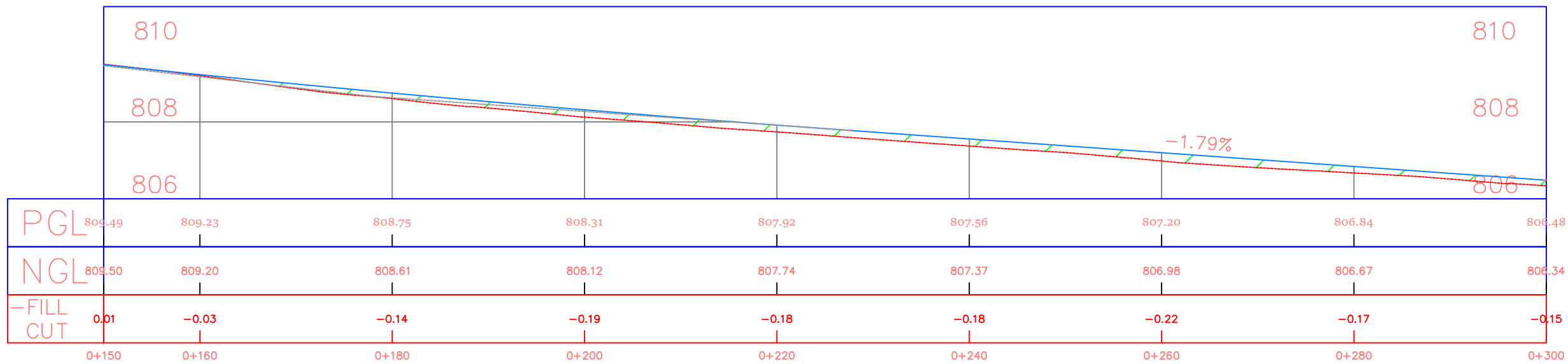
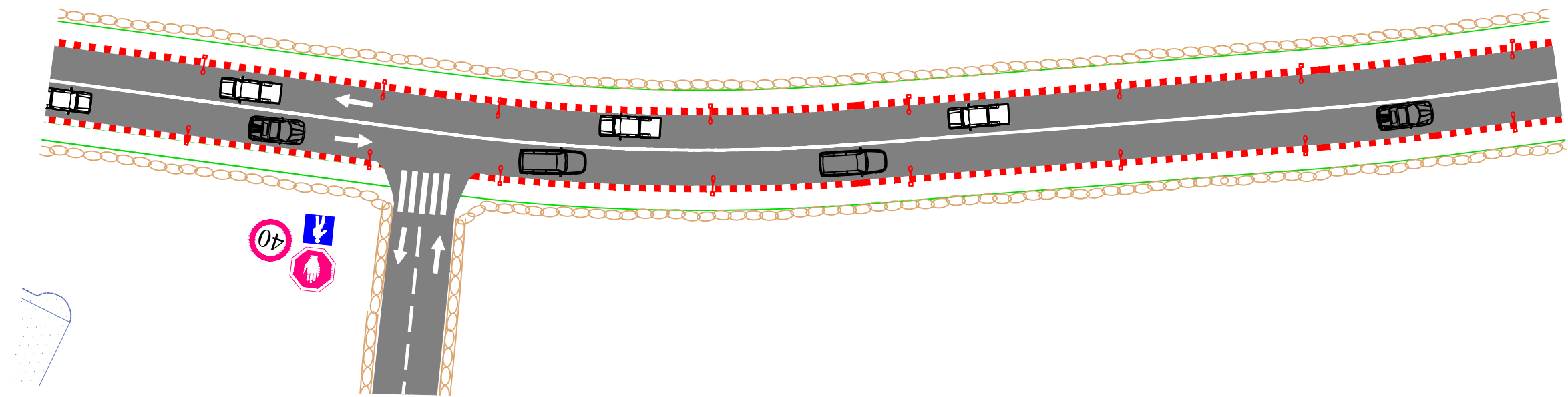
**Profile scale:**

1:500

Date: 23/12/2021

Plan & Profile

Sheet # 1



Palestine Polytechnic University  
Engineering College  
Infrastructure Engineering

**Legend:**

- Stone wall
- Building
- Curb
- NGL
- Border
- FG
- Cut area
- Fill area

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najajrah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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**Plane scale:**

1:500

**Profile scale:**

1:500

Date: 23/12/2021

Plan & Profile

Sheet #2



Material Table			
Station	Area	Volume	Cumulative Volume
0+000.00	0.49	0.00	0.00
0+020.00	0.49	9.80	9.80
0+040.00	0.49	9.80	19.60
0+060.00	0.49	9.80	29.40
0+080.00	0.49	9.80	39.20
0+100.00	0.49	9.80	49.00
0+120.00	0.49	9.80	58.80
0+126.18	0.49	3.03	61.83
0+140.00	0.49	6.77	68.60
0+160.00	0.49	9.80	78.40
0+180.00	0.49	9.80	88.20
0+200.00	0.49	9.80	98.00
0+220.00	0.49	9.80	107.80
0+240.00	0.49	9.80	117.60
0+260.00	0.49	9.80	127.40
0+280.00	0.49	9.80	137.20
0+300.00	0.49	9.80	147.00
0+320.00	0.49	9.80	156.80
0+340.00	0.49	9.80	166.60
0+360.00	0.49	9.80	176.40



Palestine Polytechnic  
University  
Engineering College  
Infrastructure Engineering

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

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GRID SYSTEM.

Scale section

1 : 500

Date: 12/23/2021

Volume Asphalt report

Sheet#5

Material Table			
Station	Area	Volume	Cumulative Volume
0+380.00	0.49	9.80	186.20
0+400.00	0.49	9.80	196.00
0+420.00	0.49	9.80	205.80
0+440.00	0.49	9.80	215.60
0+460.00	0.49	9.80	225.40
0+480.00	0.49	9.80	235.20
0+500.00	0.49	9.80	245.00
0+520.00	0.49	9.80	254.80
0+540.00	0.49	9.80	264.60
0+560.00	0.49	9.80	274.40
0+580.00	0.49	9.80	284.20
0+600.00	0.49	9.80	294.00
0+620.00	0.49	9.80	303.80
0+640.00	0.49	9.80	313.60
0+660.00	0.49	9.80	323.40
0+680.00	0.49	9.80	333.20
0+700.00	0.49	9.80	343.00
0+720.00	0.49	9.80	352.80
0+740.00	0.49	9.80	362.60
0+760.00	0.49	9.80	372.40



Palestine Polytechnic  
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Infrastructure Engineering

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

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GRID SYSTEM.

Scale section

1 : 500

Date: 1/23/2021

Volume Asphalt report

Sheet#6

Material Table			
Station	Area	Volume	Cumulative Volume
0+780.00	0.49	9.80	382.20
0+800.00	0.49	9.80	392.00
0+820.00	0.49	9.80	401.80
0+840.00	0.49	9.80	411.60
0+860.00	0.49	9.80	421.40
0+880.00	0.49	9.80	431.20
0+900.00	0.49	9.80	441.00
0+920.00	0.49	9.80	450.80
0+940.00	0.49	9.80	460.60
0+960.00	0.49	9.80	470.40
0+980.00	0.49	9.80	480.20
1+000.00	0.49	9.80	490.00
1+020.00	0.49	9.80	499.80
1+040.00	0.49	9.80	509.60
1+060.00	0.49	9.80	519.40
1+080.00	0.49	9.80	529.20
1+100.00	0.49	9.80	539.00
1+120.00	0.49	9.80	548.80
1+140.00	0.49	9.80	558.60
1+160.00	0.49	9.80	568.40



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GRID SYSTEM.

Scale section

1 : 500

Date: 12/23/2021

Volume Asphalt report

Sheet#7

Material Table

Station	Area	Volume	Cumulative Volume
1+180.00	0.49	9.80	578.20
1+200.00	0.49	9.80	588.00
1+220.00	0.49	9.80	597.80
1+240.00	0.49	9.80	607.60
1+260.00	0.49	9.80	617.40
1+280.00	0.49	9.80	627.20
1+300.00	0.49	9.80	637.00
1+320.00	0.49	9.80	646.80
1+340.00	0.49	9.80	656.60
1+360.00	0.49	9.80	666.40
1+380.00	0.49	9.80	676.20
1+400.00	0.49	9.80	686.00
1+420.00	0.49	9.80	695.80
1+440.00	0.49	9.80	705.60
1+460.00	0.49	9.80	715.40
1+480.00	0.49	9.80	725.20
1+500.00	0.49	9.80	735.00
1+520.00	0.49	9.80	744.80
1+533.34	0.00	3.27	748.07



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*Scale section*

1 : 500

*Date: 12/23/2021*

*Volume Asphalt report*

*Sheet#8*

Material Table			
Station	Area	Volume	Cumulative Volume
0+000.00	0.48	0.00	0.00
0+020.00	0.48	9.80	9.80
0+040.00	0.48	9.80	19.60
0+080.00	0.48	9.80	29.40
0+080.00	0.48	9.80	39.20
0+100.00	0.48	9.80	49.00
0+120.00	0.48	9.80	58.80
0+128.18	0.48	3.03	61.83
0+140.00	0.48	5.77	68.60
0+160.00	0.48	9.80	78.40
0+180.00	0.48	9.80	88.20
0+200.00	0.48	9.80	98.00
0+220.00	0.48	9.80	107.80
0+240.00	0.48	9.80	117.60
0+260.00	0.48	9.80	127.40
0+280.00	0.48	9.80	137.20
0+300.00	0.48	9.80	147.00
0+320.00	0.48	9.80	156.80
0+340.00	0.48	9.80	166.60
0+360.00	0.48	9.80	176.40
0+380.00	0.48	9.80	186.20
0+400.00	0.48	9.80	196.00
0+420.00	0.48	9.80	205.80
0+440.00	0.48	9.80	215.60
0+460.00	0.48	9.80	225.40
0+480.00	0.48	9.80	235.20
0+500.00	0.48	9.80	245.00
0+520.00	0.48	9.80	254.80
0+540.00	0.48	9.80	264.60
0+560.00	0.48	9.80	274.40
0+580.00	0.48	9.80	284.20
0+600.00	0.48	9.80	294.00
0+620.00	0.48	9.80	303.80
0+640.00	0.48	9.80	313.60
0+660.00	0.48	9.80	323.40
0+680.00	0.48	9.80	333.20
0+700.00	0.48	9.80	343.00
0+720.00	0.48	9.80	352.80
0+740.00	0.48	9.80	362.60
0+760.00	0.48	9.80	372.40
0+780.00	0.48	9.80	382.20
0+800.00	0.48	9.80	392.00
0+820.00	0.48	9.80	401.80
0+840.00	0.48	9.80	411.60
0+860.00	0.48	9.80	421.40
0+880.00	0.48	9.80	431.20
0+900.00	0.48	9.80	441.00
0+920.00	0.48	9.80	450.80
0+940.00	0.48	9.80	460.60
0+960.00	0.48	9.80	470.40
0+980.00	0.48	9.80	480.20
1+000.00	0.48	9.80	490.00
1+020.00	0.48	9.80	499.80
1+040.00	0.48	9.80	509.60
1+060.00	0.48	9.80	519.40
1+080.00	0.48	9.80	529.20
1+100.00	0.48	9.80	539.00
1+120.00	0.48	9.80	548.80
1+140.00	0.48	9.80	558.60
1+160.00	0.48	9.80	568.40
1+180.00	0.48	9.80	578.20
1+200.00	0.48	9.80	588.00
1+220.00	0.48	9.80	597.80
1+240.00	0.48	9.80	607.60
1+260.00	0.48	9.80	617.40
1+280.00	0.48	9.80	627.20
1+300.00	0.48	9.80	637.00
1+320.00	0.48	9.80	646.80
1+340.00	0.48	9.80	656.60
1+360.00	0.48	9.80	666.40
1+380.00	0.48	9.80	676.20
1+400.00	0.48	9.80	686.00
1+420.00	0.48	9.80	695.80
1+440.00	0.48	9.80	705.60
1+460.00	0.48	9.80	715.40
1+480.00	0.48	9.80	725.20
1+500.00	0.48	9.80	735.00
1+520.00	0.48	9.80	744.80
1+533.34	0.00	3.27	748.07

Material Table

Station	Area	Volume	Cumulative Volume
0+000.00	1.40	0.00	0.00
0+020.00	1.40	28.00	28.00
0+040.00	1.40	28.00	56.00
0+060.00	1.40	28.00	84.00
0+080.00	1.40	28.00	112.00
0+100.00	1.40	28.00	140.00
0+120.00	1.40	28.00	168.00
0+126.18	1.40	8.66	176.66
0+140.00	1.40	19.34	196.00
0+160.00	1.40	28.00	224.00
0+180.00	1.40	28.00	252.00
0+200.00	1.40	28.00	280.00
0+220.00	1.40	28.00	308.00
0+240.00	1.40	28.00	336.00
0+260.00	1.40	28.00	364.00
0+280.00	1.40	28.00	392.00
0+300.00	1.40	28.00	420.00
0+320.00	1.40	28.00	448.00
0+340.00	1.40	28.00	476.00
0+360.00	1.40	28.00	504.00



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*Scale section*

1 : 500

*Date: 1/2/23/2021*

*Volume Base report*

*Sheet#9*

Material Table			
Station	Area	Volume	Cumulative Volume
0+380.00	1.40	28.00	532.00
0+400.00	1.40	28.00	560.00
0+420.00	1.40	28.00	588.00
0+440.00	1.40	28.00	616.00
0+460.00	1.40	28.00	644.00
0+480.00	1.40	28.00	672.00
0+500.00	1.40	28.00	700.00
0+520.00	1.40	28.00	728.00
0+540.00	1.40	28.00	756.00
0+560.00	1.40	28.00	784.00
0+580.00	1.40	28.00	812.00
0+600.00	1.40	28.00	840.00
0+620.00	1.40	28.00	868.00
0+640.00	1.40	28.00	896.00
0+660.00	1.40	28.00	924.00
0+680.00	1.40	28.00	952.00
0+700.00	1.40	28.00	980.00
0+720.00	1.40	28.00	1008.00
0+740.00	1.40	28.00	1036.00
0+760.00	1.40	28.00	1064.00



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*Scale section*

1 : 500

*Date: 12/23/2021*

*Volume Base report*

*Sheet# 10*

Material Table			
Station	Area	Volume	Cumulative Volume
0+780.00	1.40	28.00	1092.00
0+800.00	1.40	28.00	1120.00
0+820.00	1.40	28.00	1148.00
0+840.00	1.40	28.00	1176.00
0+860.00	1.40	28.00	1204.00
0+880.00	1.40	28.00	1232.00
0+900.00	1.40	28.00	1260.00
0+920.00	1.40	28.00	1288.00
0+940.00	1.40	28.00	1316.00
0+960.00	1.40	28.00	1344.00
0+980.00	1.40	28.00	1372.00
1+000.00	1.40	28.00	1400.00
1+020.00	1.40	28.00	1428.00
1+040.00	1.40	28.00	1456.00
1+060.00	1.40	28.00	1484.00
1+080.00	1.40	28.00	1512.00
1+100.00	1.40	28.00	1540.00
1+120.00	1.40	28.00	1568.00
1+140.00	1.40	28.00	1596.00
1+160.00	1.40	28.00	1624.00



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*Scale section*

1 : 500

*Date: 12/23/2021*

*Volume Base report*

*Sheet# 11*



Material Table			
Station	Area	Volume	Cumulative Volume
1+180.00	1.40	28.00	1652.00
1+200.00	1.40	28.00	1680.00
1+220.00	1.40	28.00	1708.00
1+240.00	1.40	28.00	1736.00
1+260.00	1.40	28.00	1764.00
1+280.00	1.40	28.00	1792.00
1+300.00	1.40	28.00	1820.00
1+320.00	1.40	28.00	1848.00
1+340.00	1.40	28.00	1876.00
1+360.00	1.40	28.00	1904.00
1+380.00	1.40	28.00	1932.00
1+400.00	1.40	28.00	1960.00
1+420.00	1.40	28.00	1988.00
1+440.00	1.40	28.00	2016.00
1+460.00	1.40	28.00	2044.00
1+480.00	1.40	28.00	2072.00
1+500.00	1.40	28.00	2100.00
1+520.00	1.40	28.00	2128.00
1+533.34	0.00	9.34	2137.34



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*Scale section*

1:500

*Date: 12/23/2021*

*Volume Base report*

*Sheet# 12*

Material Table			
Station	Area	Volume	Cumulative Volume
0+000.00	1,40	0,00	0,00
0+020.00	1,40	28,00	28,00
0+040.00	1,40	28,00	56,00
0+060.00	1,40	28,00	84,00
0+080.00	1,40	28,00	112,00
0+100.00	1,40	28,00	140,00
0+120.00	1,40	28,00	168,00
0+126.18	1,40	8,68	176,68
0+140.00	1,40	19,34	196,00
0+160.00	1,40	28,00	224,00
0+180.00	1,40	28,00	252,00
0+200.00	1,40	28,00	280,00
0+220.00	1,40	28,00	308,00
0+240.00	1,40	28,00	336,00
0+260.00	1,40	28,00	364,00
0+280.00	1,40	28,00	392,00
0+300.00	1,40	28,00	420,00
0+320.00	1,40	28,00	448,00
0+340.00	1,40	28,00	476,00
0+360.00	1,40	28,00	504,00
0+380.00	1,40	28,00	532,00
0+400.00	1,40	28,00	560,00
0+420.00	1,40	28,00	588,00
0+440.00	1,40	28,00	616,00
0+460.00	1,40	28,00	644,00
0+480.00	1,40	28,00	672,00
0+500.00	1,40	28,00	700,00
0+520.00	1,40	28,00	728,00
0+540.00	1,40	28,00	756,00
0+560.00	1,40	28,00	784,00
0+580.00	1,40	28,00	812,00
0+600.00	1,40	28,00	840,00
0+620.00	1,40	28,00	868,00
0+640.00	1,40	28,00	896,00
0+660.00	1,40	28,00	924,00
0+680.00	1,40	28,00	952,00
0+700.00	1,40	28,00	980,00
0+720.00	1,40	28,00	1008,00
0+740.00	1,40	28,00	1036,00
0+760.00	1,40	28,00	1064,00
0+780.00	1,40	28,00	1092,00
0+800.00	1,40	28,00	1120,00
0+820.00	1,40	28,00	1148,00
0+840.00	1,40	28,00	1176,00
0+860.00	1,40	28,00	1204,00
0+880.00	1,40	28,00	1232,00
0+900.00	1,40	28,00	1260,00
0+920.00	1,40	28,00	1288,00
0+940.00	1,40	28,00	1316,00
0+960.00	1,40	28,00	1344,00
0+980.00	1,40	28,00	1372,00
1+000.00	1,40	28,00	1400,00
1+020.00	1,40	28,00	1428,00
1+040.00	1,40	28,00	1456,00
1+060.00	1,40	28,00	1484,00
1+080.00	1,40	28,00	1512,00
1+100.00	1,40	28,00	1540,00
1+120.00	1,40	28,00	1568,00
1+140.00	1,40	28,00	1596,00
1+160.00	1,40	28,00	1624,00
1+180.00	1,40	28,00	1652,00
1+200.00	1,40	28,00	1680,00
1+220.00	1,40	28,00	1708,00
1+240.00	1,40	28,00	1736,00
1+260.00	1,40	28,00	1764,00
1+280.00	1,40	28,00	1792,00
1+300.00	1,40	28,00	1820,00
1+320.00	1,40	28,00	1848,00
1+340.00	1,40	28,00	1876,00
1+360.00	1,40	28,00	1904,00
1+380.00	1,40	28,00	1932,00
1+400.00	1,40	28,00	1960,00
1+420.00	1,40	28,00	1988,00
1+440.00	1,40	28,00	2016,00
1+460.00	1,40	28,00	2044,00
1+480.00	1,40	28,00	2072,00
1+500.00	1,40	28,00	2100,00
1+520.00	1,40	28,00	2128,00
1+533.34	0,00	6,34	2137,34

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.03	1.96	0.00	0.00	0.00	0.00
0+020.00	0.01	2.84	0.46	48.03	0.46	48.03
0+040.00	0.08	2.50	0.96	53.38	1.41	101.41
0+060.00	0.07	2.67	1.56	51.67	2.97	153.08
0+080.00	0.00	3.29	0.73	59.56	3.70	212.64
0+100.00	0.00	3.55	0.00	68.38	3.70	281.02
0+120.00	0.03	3.00	0.30	65.53	4.00	346.55
0+126.18	0.04	3.01	0.23	18.58	4.23	365.13
0+140.00	0.00	3.66	0.31	46.10	4.54	411.23
0+160.00	0.00	2.91	0.00	65.71	4.54	476.94
0+180.00	0.62	1.19	6.24	41.01	10.78	517.95
0+200.00	0.62	0.87	12.55	20.53	23.33	538.48
0+220.00	0.62	1.15	12.65	20.00	35.98	558.48
0+240.00	0.50	0.96	11.33	21.01	47.31	579.49
0+260.00	0.40	0.88	8.99	18.43	56.30	597.91
0+280.00	0.54	0.94	9.37	18.20	65.67	616.11
0+300.00	0.68	1.13	12.25	20.58	77.91	636.70
0+320.00	0.10	1.54	7.84	26.69	85.75	663.38
0+340.00	0.42	0.91	5.18	24.54	90.93	687.92
0+360.00	0.18	1.58	5.90	24.88	96.83	712.80



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Scale section

1:500

Date: 12/23/2021

Volume report

Sheet# 1

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+380.00	0.24	2.35	4.16	39.23	100.99	752.03
0+400.00	0.03	3.74	2.75	60.82	103.73	812.85
0+420.00	0.01	3.14	0.41	68.75	104.14	881.61
0+440.00	0.00	3.33	0.08	64.66	104.22	946.27
0+460.00	0.17	3.84	1.75	71.64	105.97	1017.91
0+480.00	0.00	4.53	1.73	83.72	107.70	1101.63
0+500.00	0.11	1.63	1.13	61.58	108.83	1163.21
0+520.00	2.49	0.00	26.08	16.28	134.91	1179.49
0+540.00	4.06	0.00	65.63	0.00	200.54	1179.49
0+560.00	3.64	0.00	77.25	0.00	277.79	1179.49
0+580.00	1.99	0.00	56.33	0.00	334.12	1179.49
0+600.00	1.34	0.22	33.27	2.19	367.40	1181.68
0+620.00	1.09	0.26	24.22	4.78	391.61	1186.46
0+640.00	0.50	0.55	15.91	8.12	407.52	1194.57
0+660.00	0.12	1.90	6.30	24.49	413.82	1219.06
0+680.00	0.28	1.94	3.98	38.40	417.80	1257.46
0+700.00	0.02	2.38	2.98	43.25	420.79	1300.71
0+720.00	0.08	1.79	1.07	41.67	421.86	1342.38
0+740.00	0.25	1.89	3.37	36.81	425.22	1379.19
0+760.00	0.02	1.54	2.69	34.33	427.92	1413.52



Palestine Polytechnic  
University  
Engineering College  
Infrastructure Engineering

**supervision:**

Dr. Musab Shahin

**by:**

Mohammad Shamest  
Al-Mahdi Khalid Issa  
Ali Mahmoud Najjarah

Design & rehabilitation of  
Al-Sahel - Khalat Al-Miyeh

**Note:**

\*ALL STATIONS, COORDINATES  
AND LEVELS ARE IN METERS.

\*ALL OTHER DIMENSIONS ARE IN  
CM UNLESS OTHERWISE NOTED.

\*COORDINATES AND ELEVATIONS  
REFER TO THE PALESTINIAN  
GRID SYSTEM.

Scale section

1:500

Date: 12/23/2021

Volume report

Sheet#2

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+780.00	0.44	0.39	4.59	19.25	432.51	1432.77
0+800.00	0.17	2.05	6.17	24.23	438.68	1457.00
0+820.00	0.00	4.89	1.67	69.29	440.35	1526.29
0+840.00	0.00	4.53	0.00	94.16	440.35	1620.45
0+860.00	0.00	4.85	0.00	93.88	440.35	1714.33
0+880.00	0.06	1.56	0.60	64.25	440.96	1778.57
0+900.00	2.14	0.10	22.42	16.78	463.38	1795.36
0+920.00	14.81	0.00	170.30	1.02	633.68	1796.37
0+940.00	23.16	0.00	379.66	0.00	1013.34	1796.37
0+960.00	24.27	0.00	474.32	0.00	1487.65	1796.37
0+980.00	25.88	0.00	501.47	0.00	1989.12	1796.37
1+000.00	21.89	0.00	478.95	0.00	2468.08	1796.37
1+020.00	15.57	0.00	374.62	0.00	2842.69	1796.37
1+040.00	10.00	0.00	255.69	0.00	3098.38	1796.37
1+060.00	6.34	0.00	163.33	0.00	3261.72	1796.37
1+080.00	3.04	0.00	93.76	0.00	3355.47	1796.37
1+100.00	0.73	0.40	37.68	4.00	3393.15	1800.37
1+120.00	0.32	1.52	10.52	19.25	3403.67	1819.63
1+140.00	0.23	1.91	5.50	34.31	3409.18	1853.94
1+160.00	0.00	2.36	2.31	42.73	3411.49	1896.66



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*Scale section*

1:500

*Date: 12/23/2021*

*Volume report*

*Sheet#3*

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.03	1.96	0.00	0.00	0.00	0.00
0+020.00	0.01	2.84	0.46	48.03	0.46	48.03
0+040.00	0.08	2.50	0.96	53.38	1.41	101.41
0+060.00	0.07	2.67	1.56	51.67	2.97	153.08
0+080.00	0.00	3.29	0.73	59.56	3.70	212.64
0+100.00	0.00	3.55	0.00	68.38	3.70	281.02
0+120.00	0.03	3.00	0.30	65.53	4.00	346.55
0+126.18	0.04	3.01	0.23	18.58	4.23	365.13
0+140.00	0.00	3.66	0.31	46.10	4.54	411.23
0+160.00	0.00	2.91	0.00	65.71	4.54	476.94
0+180.00	0.62	1.19	6.24	41.01	10.78	517.95
0+200.00	0.62	0.87	12.55	20.53	23.33	538.48
0+220.00	0.62	1.15	12.65	20.00	35.98	558.48
0+240.00	0.50	0.96	11.33	21.01	47.31	579.49
0+260.00	0.40	0.88	8.99	18.43	56.30	597.91
0+280.00	0.54	0.94	9.37	18.20	65.67	616.11
0+300.00	0.68	1.13	12.25	20.58	77.91	636.70
0+320.00	0.10	1.54	7.84	26.69	85.75	663.38
0+340.00	0.42	0.91	5.18	24.54	90.93	687.92
0+360.00	0.18	1.58	5.90	24.88	96.83	712.80



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Design & rehabilitation of  
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**Note:**

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REFER TO THE PALESTINIAN  
GRID SYSTEM.

Scale section

1 : 500

Date: 12/23/2021

Volume report

Sheet#4

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.03	1.98	0.00	0.00	0.00	0.00
0+020.00	0.01	2.84	0.48	48.03	0.48	48.03
0+040.00	0.08	2.50	0.98	53.38	1.41	101.41
0+060.00	0.07	2.67	1.56	51.67	2.97	153.08
0+080.00	0.00	3.29	0.73	59.56	3.70	212.84
0+100.00	0.00	3.55	0.00	66.38	3.70	281.02
0+120.00	0.03	3.00	0.30	65.53	4.00	348.95
0+128.18	0.04	3.01	0.23	18.58	4.23	385.13
0+140.00	0.00	3.68	0.31	46.10	4.54	411.23
0+160.00	0.00	2.91	0.00	65.71	4.54	476.94
0+180.00	0.62	1.19	6.24	41.01	10.78	517.95
0+200.00	0.62	0.67	12.95	20.53	23.33	538.48
0+220.00	0.62	1.15	12.65	20.00	35.98	558.48
0+240.00	0.50	0.98	11.33	21.01	47.31	579.49
0+260.00	0.40	0.88	8.89	18.43	56.30	597.91
0+280.00	0.54	0.94	9.37	18.20	65.67	616.11
0+300.00	0.88	1.13	12.26	20.58	77.91	636.70
0+320.00	0.10	1.54	7.84	26.69	85.75	663.38
0+340.00	0.42	0.91	5.18	24.54	90.93	687.92
0+360.00	0.18	1.58	5.90	24.88	96.83	712.80
0+380.00	0.24	2.35	4.16	38.23	100.99	752.03
0+400.00	0.03	3.74	2.75	60.82	103.73	812.85
0+420.00	0.01	3.14	0.41	66.75	104.14	881.61
0+440.00	0.00	3.33	0.08	64.86	104.22	948.27
0+460.00	0.17	3.84	1.75	71.64	105.97	1017.91
0+480.00	0.00	4.53	1.73	83.72	107.70	1101.63
0+500.00	0.11	1.63	1.13	61.58	108.83	1163.21
0+520.00	2.49	0.00	26.08	18.28	134.91	1179.49
0+540.00	4.08	0.00	65.63	0.00	200.54	1179.49
0+560.00	3.64	0.00	77.25	0.00	277.79	1179.49
0+580.00	1.99	0.00	56.33	0.00	334.12	1179.49
0+600.00	1.34	0.22	33.27	2.19	367.40	1181.68
0+620.00	1.09	0.28	24.22	4.78	381.61	1186.46
0+640.00	0.50	0.55	15.91	8.12	407.52	1194.57
0+660.00	0.12	1.90	6.30	24.49	413.82	1219.08
0+680.00	0.28	1.94	3.88	38.40	417.80	1257.48
0+700.00	0.02	2.38	2.88	43.25	420.79	1300.71
0+720.00	0.08	1.79	1.07	41.67	421.86	1342.38
0+740.00	0.25	1.89	3.37	38.81	425.22	1379.19
0+760.00	0.02	1.54	2.89	34.33	427.92	1413.52
0+780.00	0.44	0.39	4.59	19.25	432.51	1432.77
0+800.00	0.17	2.05	6.17	24.23	438.68	1457.00
0+820.00	0.00	4.89	1.67	69.29	440.35	1526.29
0+840.00	0.00	4.53	0.00	94.16	440.35	1620.45
0+860.00	0.00	4.85	0.00	93.88	440.35	1714.33
0+880.00	0.06	1.56	0.60	64.25	440.96	1778.57
0+900.00	2.14	0.10	22.42	16.78	463.38	1795.36
0+920.00	14.81	0.00	170.30	1.02	633.68	1796.37
0+940.00	23.16	0.00	379.68	0.00	1013.34	1796.37
0+960.00	24.27	0.00	474.32	0.00	1487.65	1796.37
0+980.00	25.88	0.00	501.47	0.00	1889.12	1796.37
1+000.00	21.89	0.00	478.95	0.00	2468.08	1796.37
1+020.00	15.57	0.00	374.62	0.00	2842.89	1796.37
1+040.00	10.00	0.00	255.69	0.00	3098.38	1796.37
1+060.00	6.34	0.00	163.33	0.00	3261.72	1796.37
1+080.00	3.04	0.00	93.76	0.00	3355.47	1796.37
1+100.00	0.73	0.40	37.88	4.00	3393.15	1800.37
1+120.00	0.32	1.52	10.62	19.25	3403.67	1819.63
1+140.00	0.23	1.91	5.50	34.31	3409.18	1853.94
1+160.00	0.00	2.36	2.31	42.73	3411.49	1896.66
1+180.00	0.00	2.70	0.02	50.88	3411.51	1947.34
1+200.00	0.11	1.78	1.13	44.61	3412.64	1991.95
1+220.00	0.23	1.46	3.48	32.21	3416.10	2024.16
1+240.00	0.46	1.59	6.94	30.54	3423.04	2054.70
1+260.00	0.23	2.47	6.88	40.63	3429.82	2095.34
1+280.00	0.00	3.24	2.27	57.09	3432.19	2152.43
1+300.00	0.05	3.37	0.52	66.08	3432.72	2218.51
1+320.00	0.00	2.90	0.55	62.72	3433.27	2281.23
1+340.00	0.00	2.94	0.03	56.39	3433.29	2339.62
1+360.00	0.00	3.88	0.00	69.22	3433.29	2408.85
1+380.00	0.00	4.69	0.00	86.78	3433.29	2495.62
1+400.00	0.05	4.23	0.49	89.23	3433.79	2584.85
1+420.00	0.03	3.73	0.84	78.47	3434.63	2664.32
1+440.00	0.00	3.37	0.35	70.94	3434.98	2735.28
1+460.00	0.00	2.70	0.00	60.84	3434.98	2795.91
1+480.00	0.00	4.48	0.03	71.80	3435.01	2867.71
1+500.00	0.00	3.68	0.03	81.25	3435.04	2948.96
1+520.00	0.14	3.07	1.40	67.49	3436.45	3016.46
1+533.34	0.00	0.00	0.94	20.48	3437.38	3036.94