

Design and Rehabilitation

ZEIF ROAD



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Done by:
Moayad Hasassnah
Mohammad Harahsheh
Adham Ibhais

Supervisor by:
Eng. Mutaz Qafisheh

May 2024

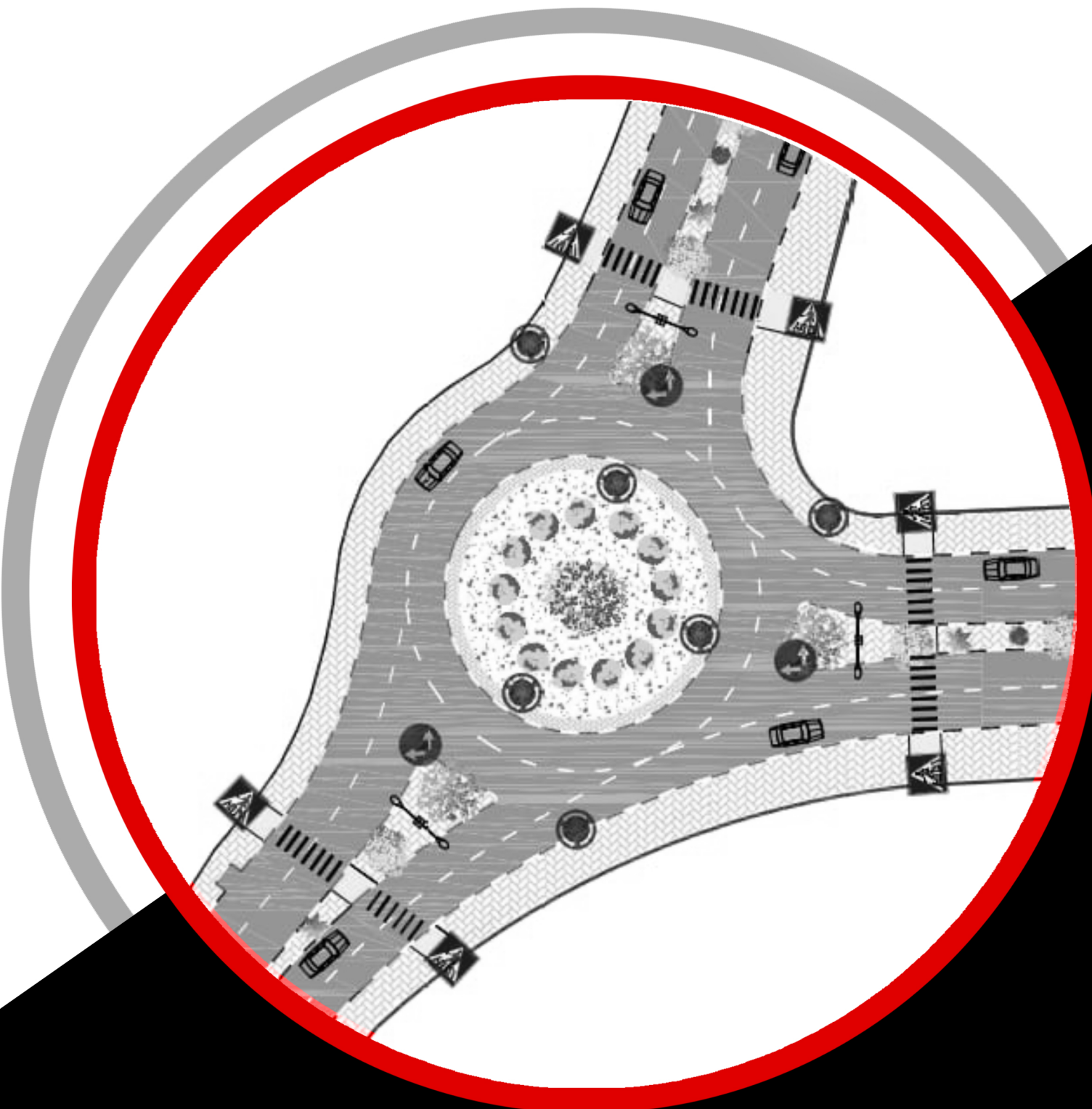


TABLE OF CONTENT:



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
Zeif Road

NAME	NO.	SCALE
Table of content	A01	-
Abbreviations and Symbols	A02	-
Key Map	A03	N.T.S
Round about plan	00	1:500
Plan & Profile	1 - 10	1:500
Typical Section & Details	D.1 - D.12	N.T.S
Cut & Fill Table	T.1 - T.4	N.T.S
Cross Sections	S.1 - S.36	1:100

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:

Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

TABLE OF CONTENT

Date: May. 2024

Scale:

-

Sheet No.

A.01



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

ABBREVIATIONS AND SYMBOLS

GENERAL

A.I	ANGLE IRON
B.C	BASECOURSE
B.CL	BOX CULVERT
BM	BENCH MARK
B.P.	BREAK POINT
CL	CENTER LINE
cm	CENTIMETER
CWY	CARRIAGEWAY
D.B.	DITCH BLOCK
DRG.	DRAWING
ELEV.	ELEVATION
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
G.A.	GREEN AREA
G.D	GUARD RAIL
G.W	GRAVITY WALL
H.W	HEAD WALL
KM	KILOMETER
LHS	LEFT HAND SIDE
M	METER
M2	SQUARE METER
M3	CUBIC METER
M.C.	MEDIUM CURING ASPHALT
M.T.	MAIN TIE
NO.	NUMBER
P	PARKING
P	POLE OR POST
P.C	PIPE CULVERT
R	REFERENCE
R.C	RAPID CURING ASPHALT
RC.W	REINFORCED CONCRETE WALL
RHS	RIGHT HAND SIDE
R.W	RETAINING WALL
S	SLOPE
S.AP	SPECIAL APRON
S.B.	SUBBASE
S.D.	SPECIAL DITCH
S.G.	SUBGRADE
S.H.W.	STRAIGHT HEAD WALL
S.P.	SLOPE PROTECTION
St.w	STONE WALL
S.W	SIDE WALK
T	TIE
TOP	TOPPING
VAR.	VARIABLE
W.MH	WATER MANHOLE
W.P	WATER PIPE
W.W	WING WALL
≈	APPROXIMATE
W.P0	WATER LINE MARKER POST
JDECO	JERUSALEM DISTRICT ELECTRICAL COMPANY
PWA	PALESTINIAN WATER AUTHORITY

HORIZONTAL & VERTICAL GEOMETRY

AD	ALGEBRIC SLOPE DIFFERENCE
BVCE	BEGINING OF VERTICAL CURVE ELEVATION
BVCS	BEGINING OF VERTICAL CURVE STATION
D	DEGREE OF CURVE , SUBSTENDING 25m. CHORD
E	EASTING COORDINATES
E	EXTERNAL DISTANCE
EVCE	END OF VERTICAL CURVE ELEVATION
EVCS	END OF VERTICAL CURVE STATION
K	VERTICAL CURVE COEFFICIENT = LVC / AD
L	LENGTH OF HORIZONTAL CURVE
L.V.C.	LENGTH OF VERTICAL CURVE
N	NORTHING COORDINATES
N.G.L	NATURAL GROUND LEVEL
P.C.	POINT OF CURVATURE
P.G.L	PROPOSED GROUND LEVEL
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.V.I.	POINT OF VERTICAL INTERSECTION
R	RADIUS OF HORIZANTAL CURVE
S.E.	SUPERELEVATION
STA.	STATION
T	TANGENT LENGTH
Δ	EXTERNAL ANGLE IN DEGREES,MINUTES,SECONDS
- , + %	PERCENT OF GRADE
D.S	DESIGN SPEED
C.W	CURVE WIDENING

GENERAL NOTES:

1. ALL STATIONS,COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

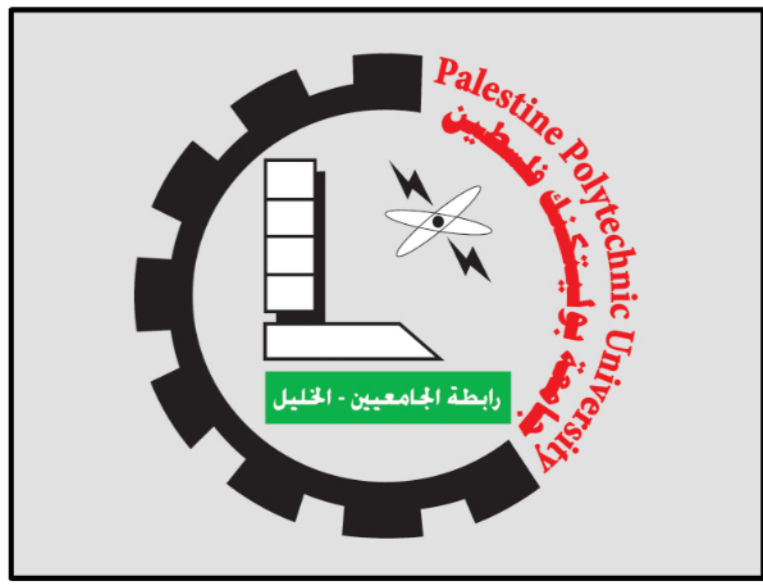
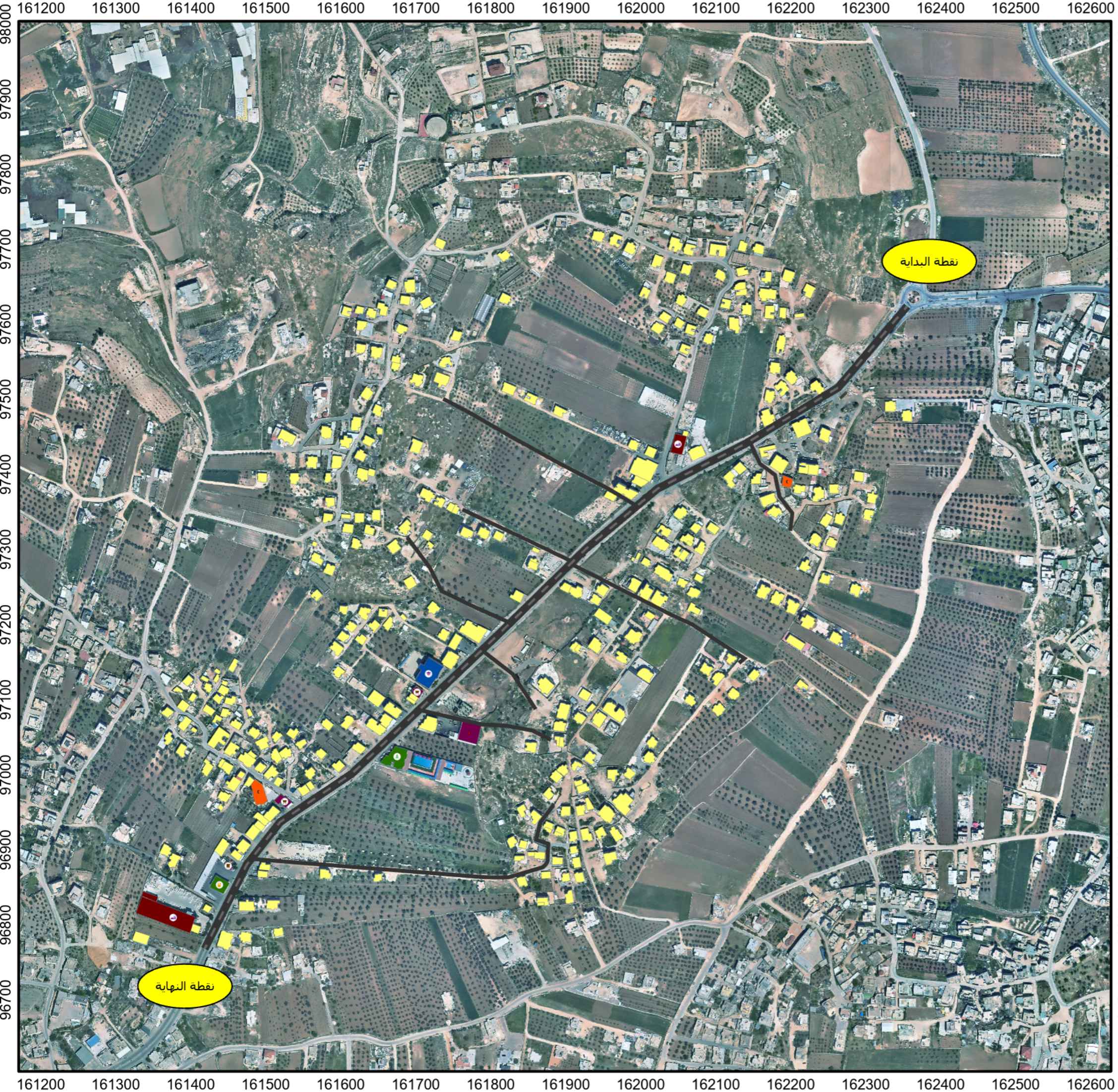
ABBREVIATIONS AND SYMBOLS

Date: May. 2024

Scale:

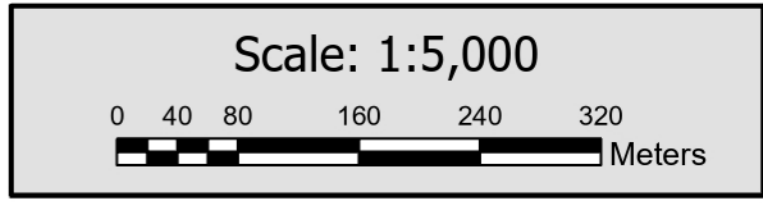
Sheet No.

A.02



Alignment	Industrial	Market
Local	Religious	Mosque
Commercial	Barber shop	Park
Community service	Cafe	School
Educational	Factory	University
House	Gas station	

Done By: Mohammed Harahsheh Moayad Hasassnah Adham Ibhais	Supervision By: D. Mutaz Qafesheh
Coordinate System: Palestine 1923 Palestine Grid	





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

CENTERLINE	
PROP. CURB STONE	
ASPHALT COURSE	
Side walk & MEDIAN	
PROP. RETAINING WALL	
PROP. LIGHTING POLE	
EXISTING BUILDING	

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

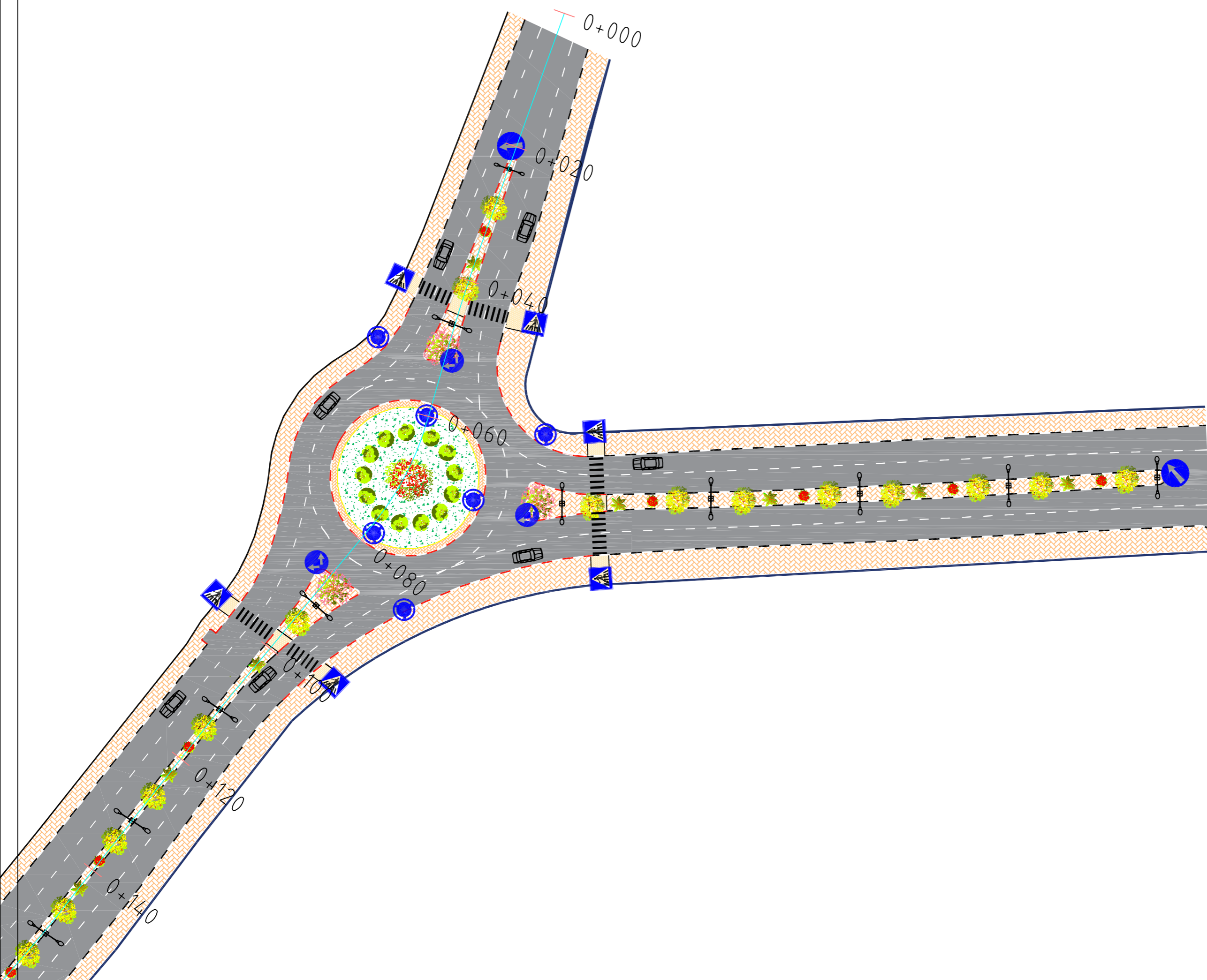
TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
 ROUND ABOUT PLAN

Date: May, 2024

Scale: 1:500

Sheet No. 00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

PLAN & PROFILE
 From sta. 0+000.00 to 0+141.00

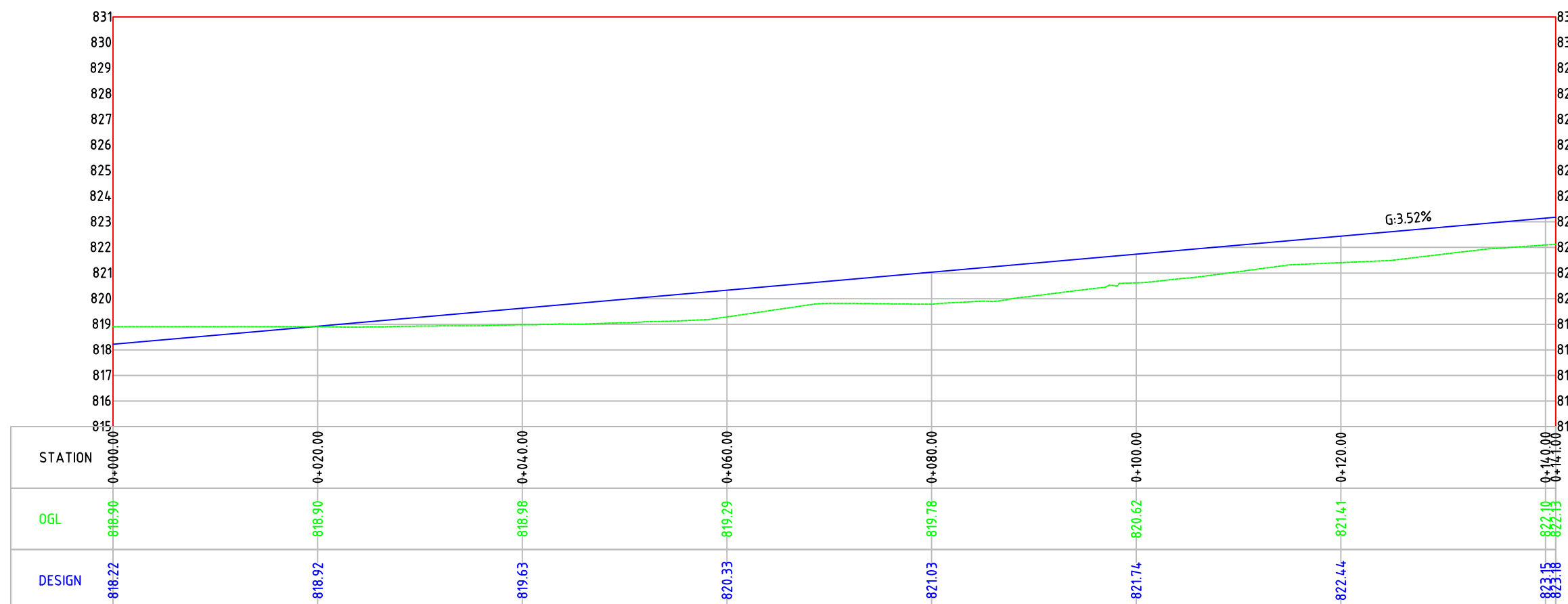
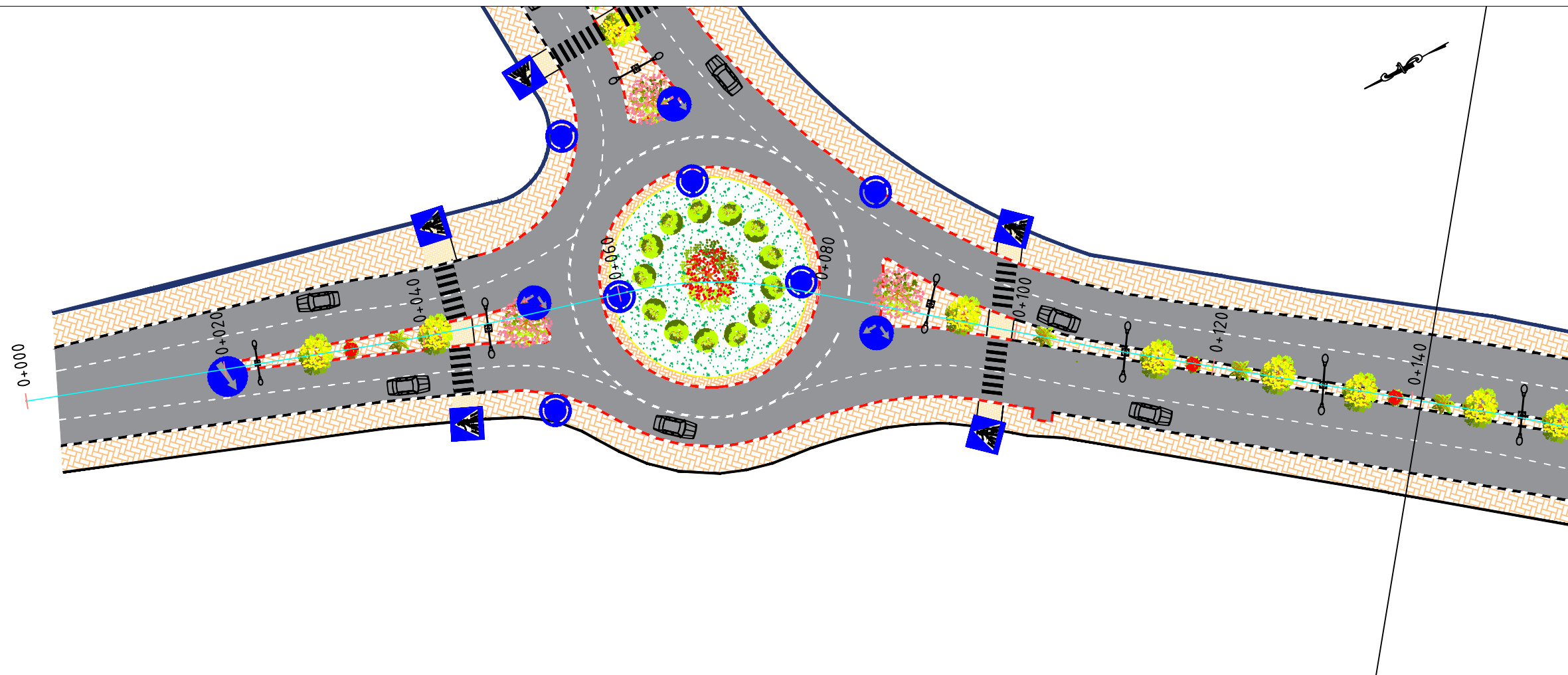
Date: May, 2024

Scale Sheet No.

PLAN:
 1:500

PROFILE:
 1:500

1





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

PLAN & PROFILE
 From sta. 0+141.00 to 0+282.00

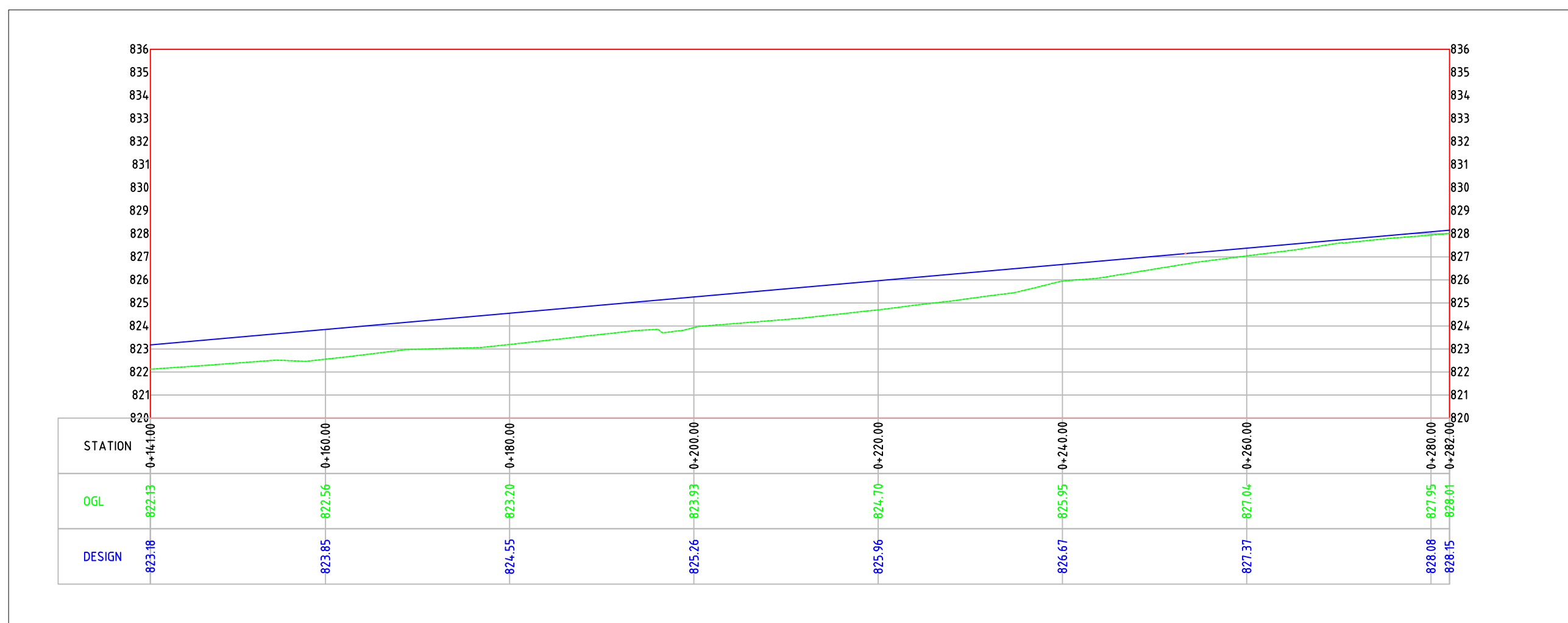
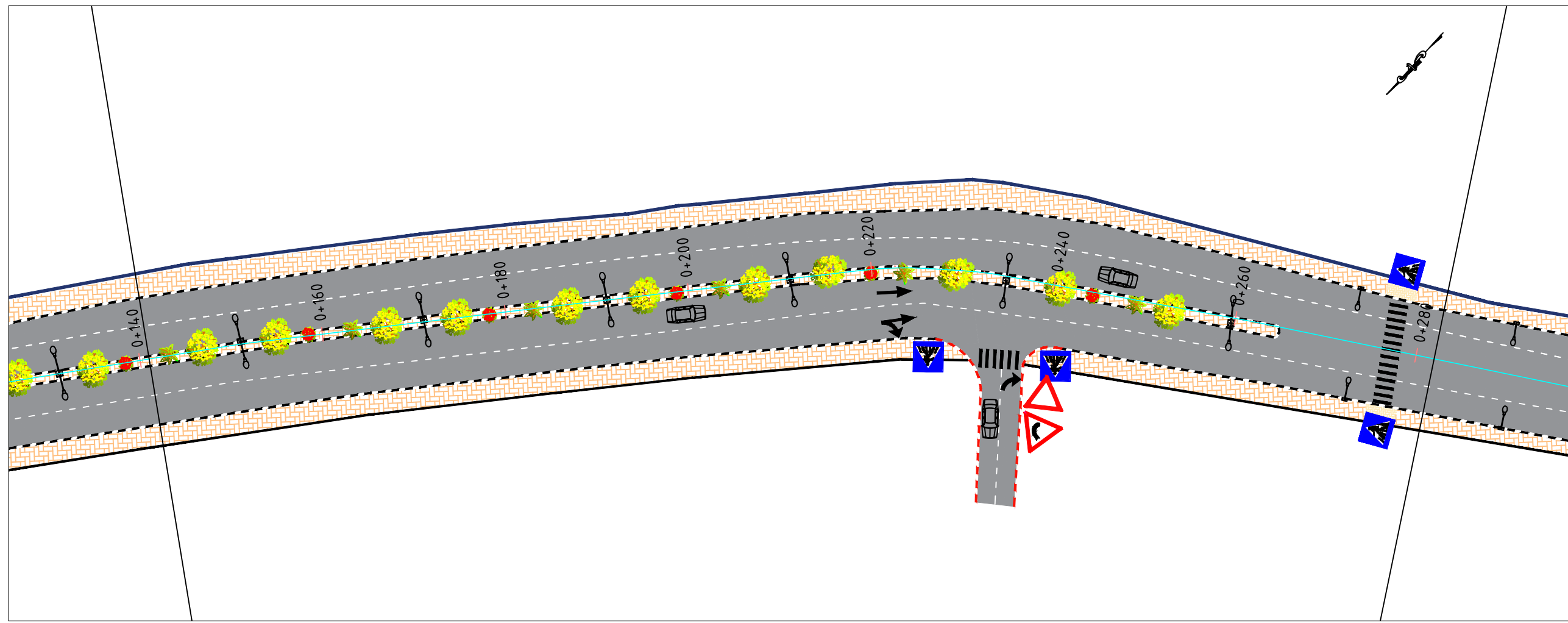
Date: May, 2024

Scale Sheet No.

PLAN:
 1:500

PROFILE:
 1:500

2



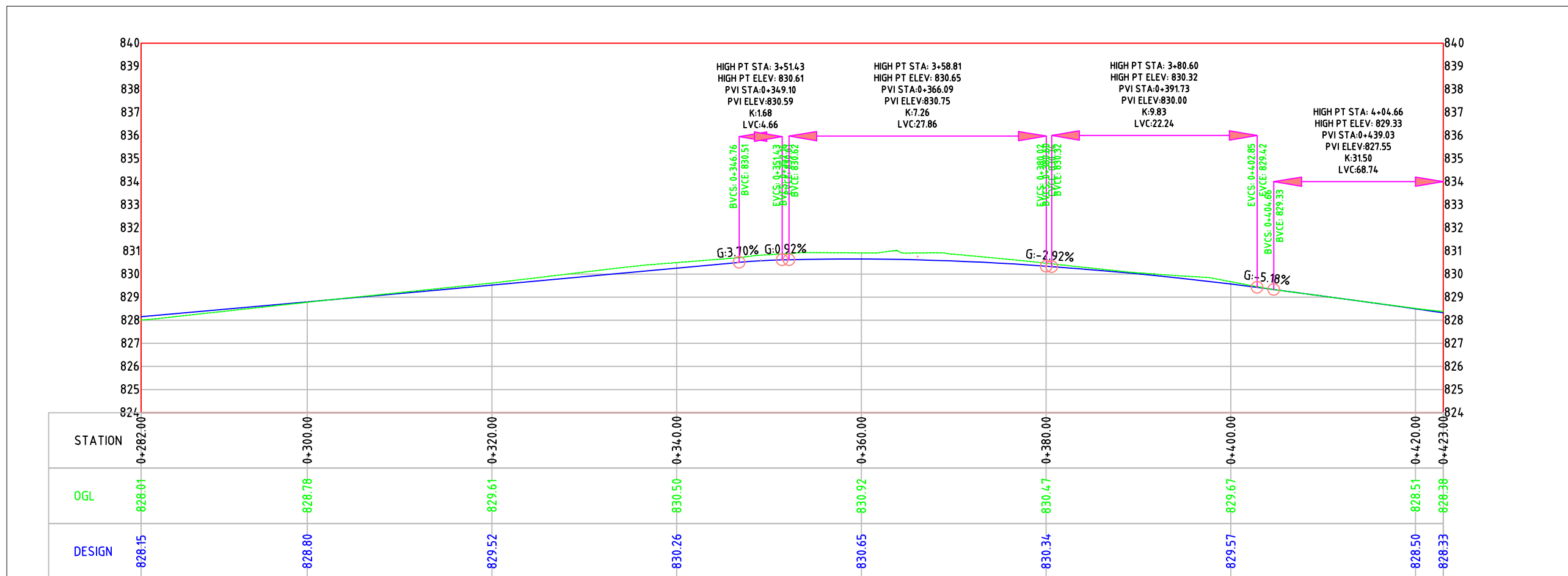
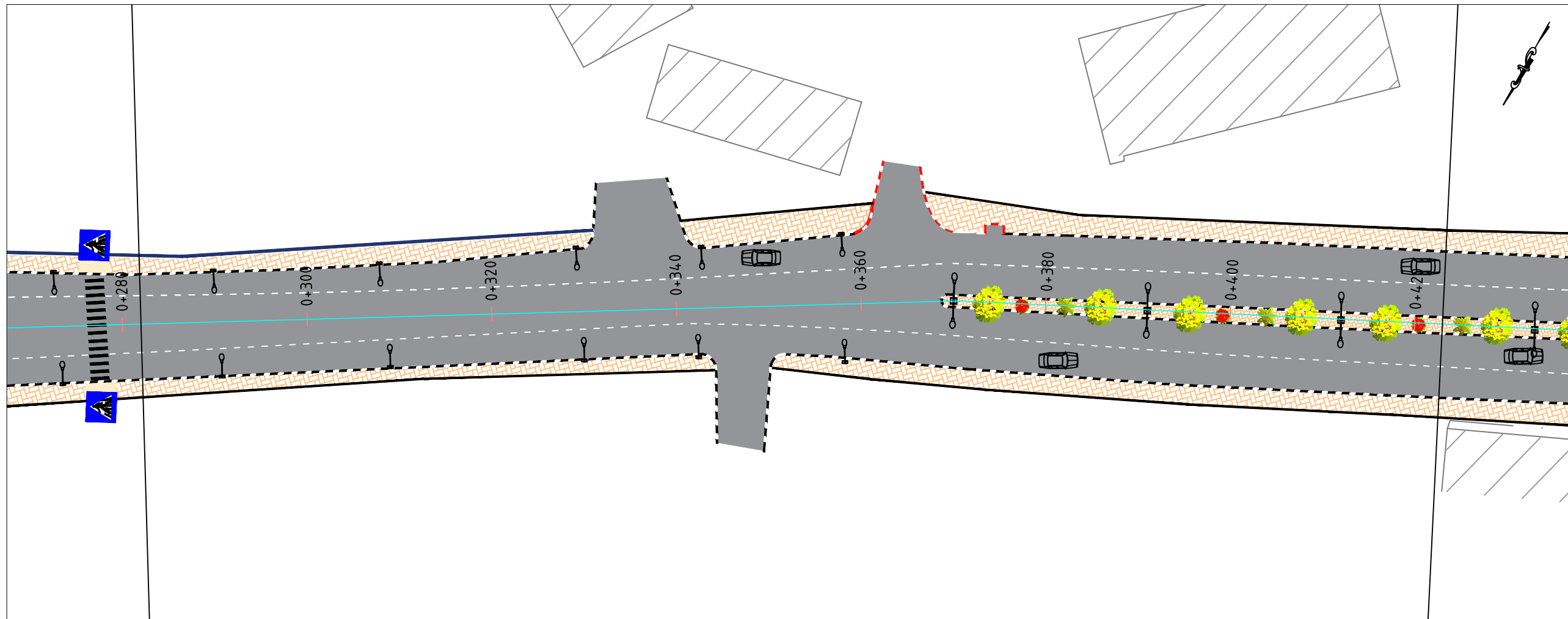


LEGEND FOR PLAN

CENTERLINE	
PROP. CURB STONE	
ASPHALT COURSE	
Side walk & MEDIAN	
PROP. RETAINING WALL	
PROP. LIGHTING POLE	
EXISTING BUILDING	

LEGEND FOR PROFILE

Natural ground level	
Finished ground level	



- GENERAL NOTES:
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

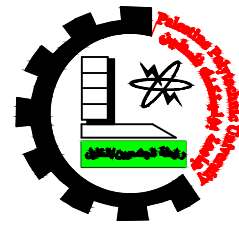
SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
PLAN & PROFILE
 From sta. 0+282.00 to 0+423.00

Date: May, 2024

Scale	Sheet No.
PLAN: 1:500	PROFILE: 1:500



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

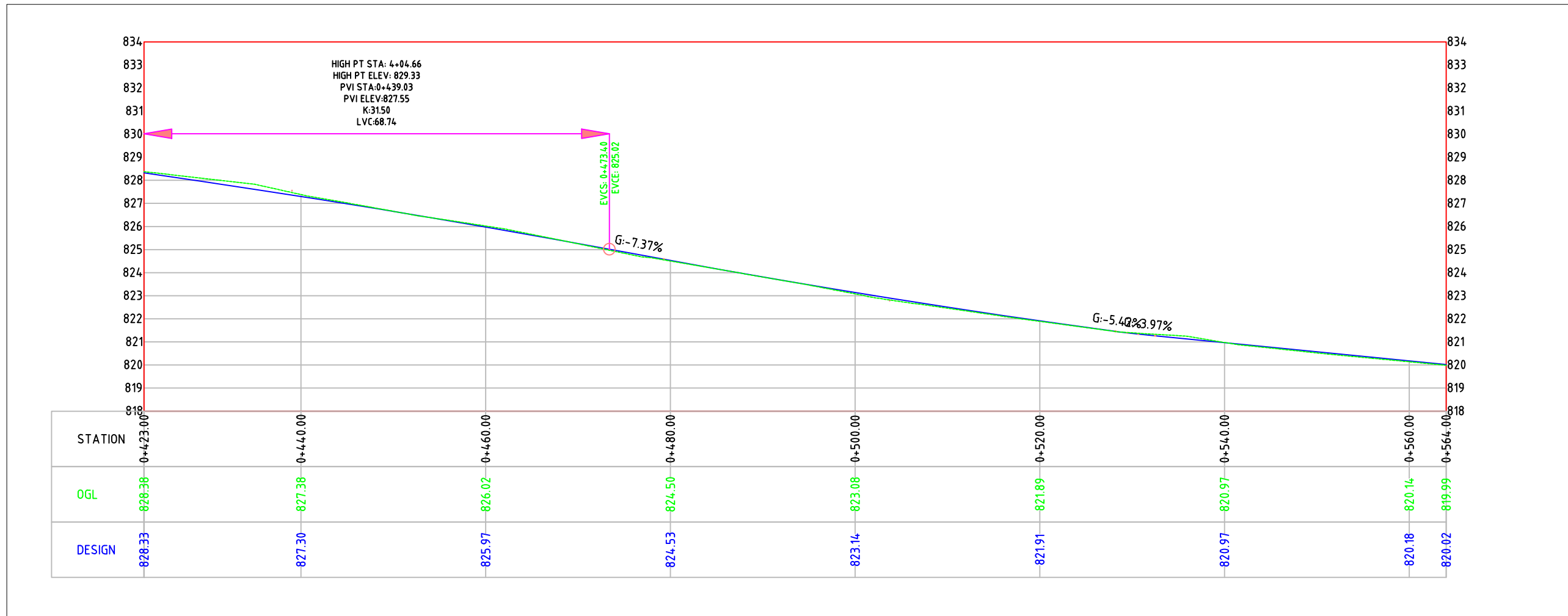
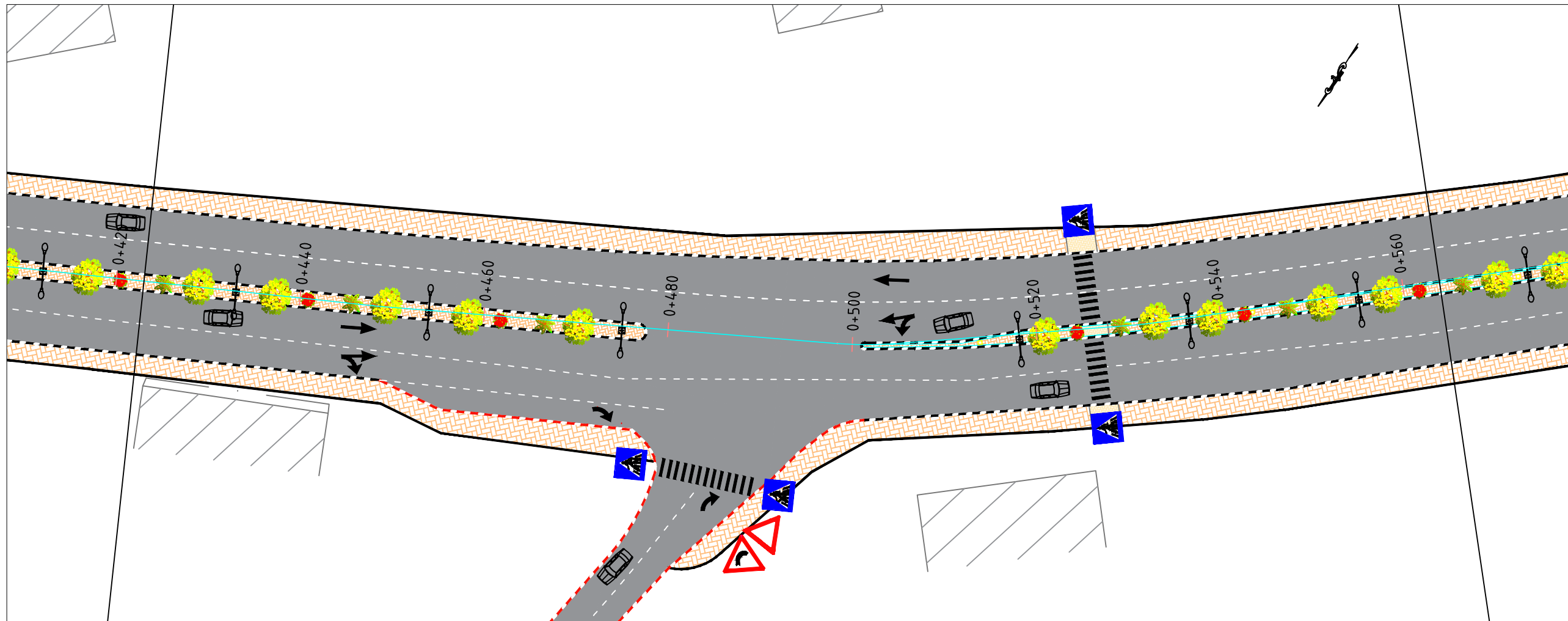
Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

CENTERLINE	
PROP. CURB STONE	
ASPHALT COURSE	
Side walk & MEDIAN	
PROP. RETAINING WALL	
PROP. LIGHTING POLE	
EXISTING BUILDING	

LEGEND FOR PROFILE

Natural ground level	
Finished ground level	



- GENERAL NOTES:
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

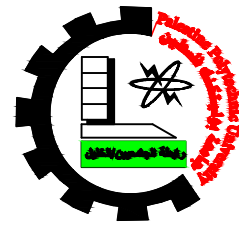
SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
PLAN & PROFILE
 From sta. 0+423.00 to 0+564.00

Date: May, 2024

Scale		Sheet No. 4
PLAN: 1:500	PROFILE: 1:500	



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

PLAN & PROFILE
 From sta. 0+564.00 to 0+705.00

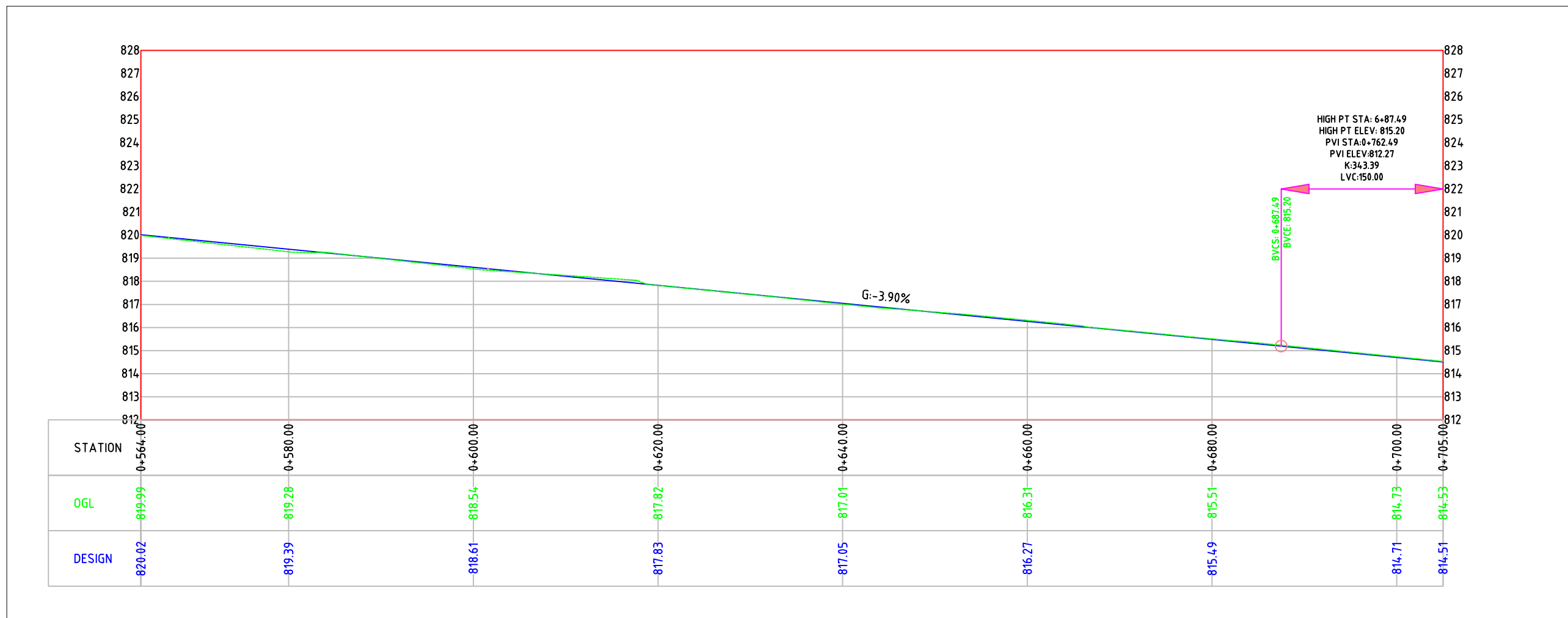
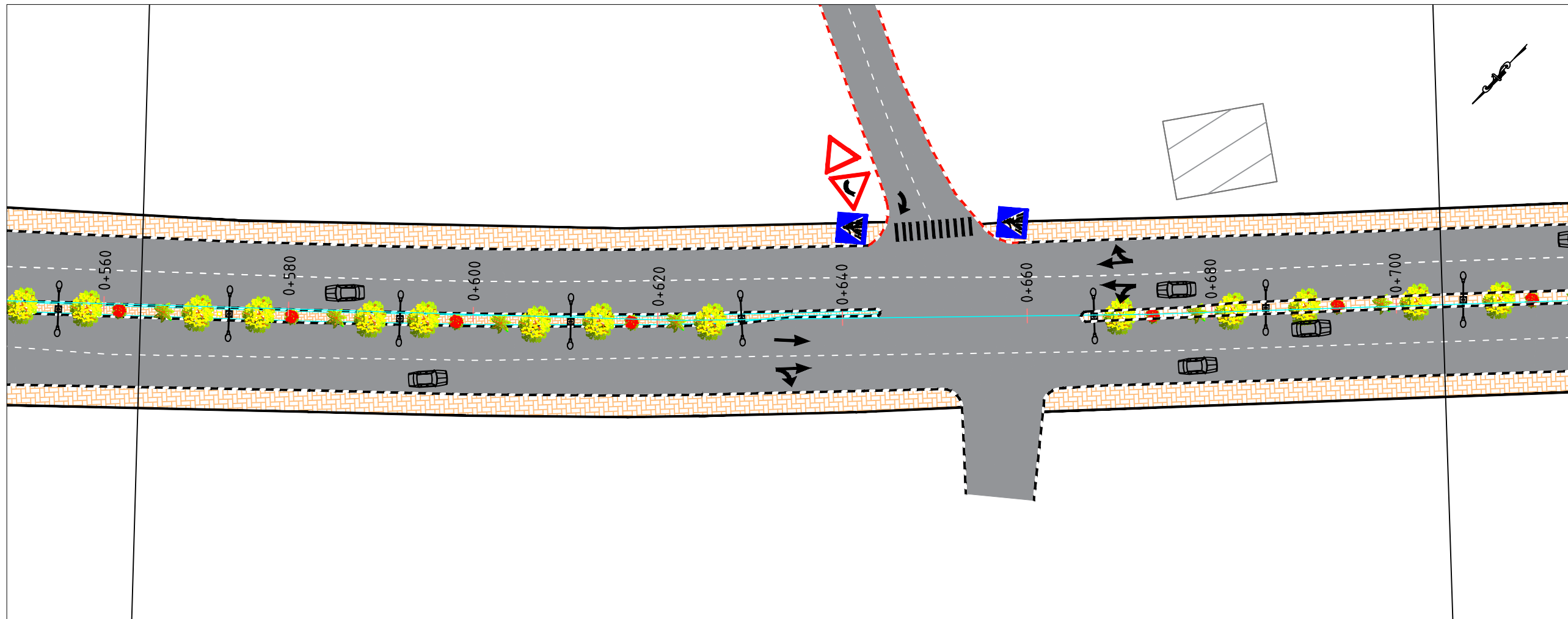
Date: May, 2024

Scale Sheet No.

PLAN:
1:500

PROFILE:
1:500

5





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

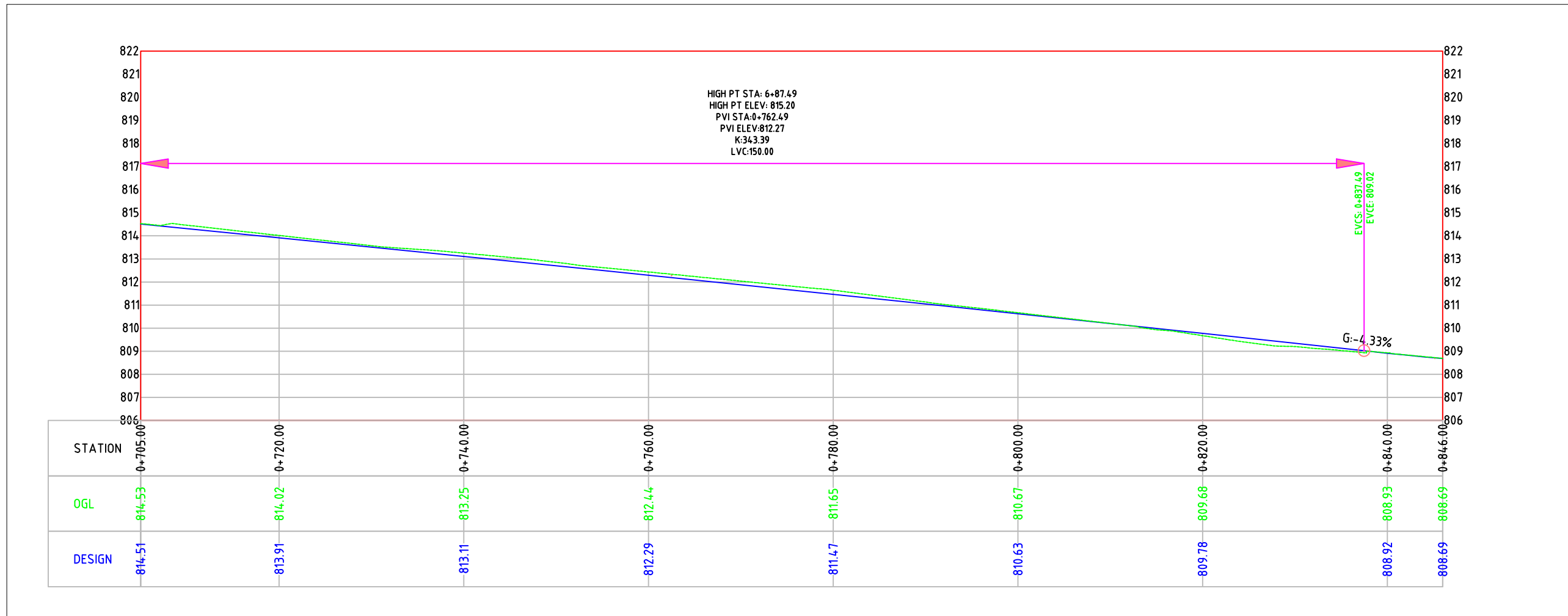
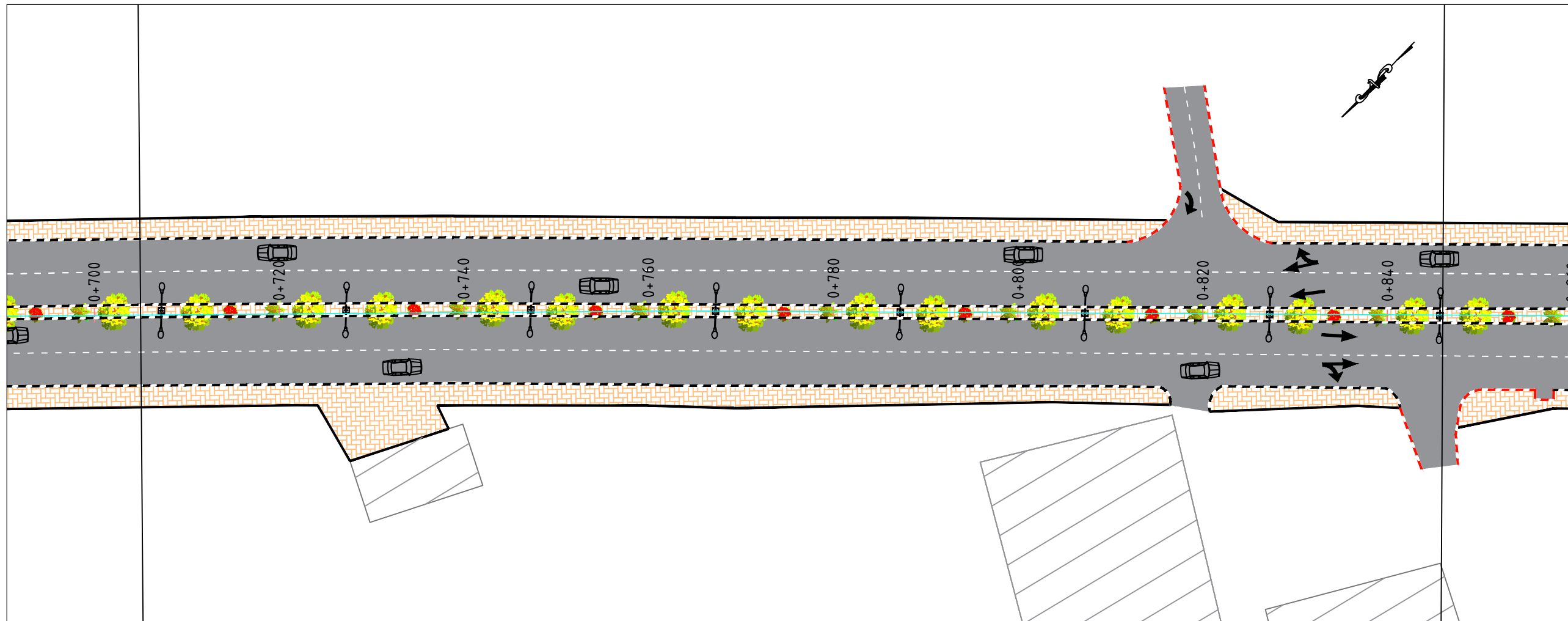
Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level



GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

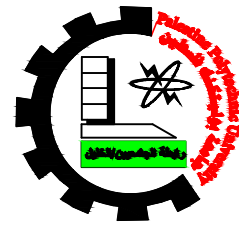
Drawing Title:

PLAN & PROFILE
 From sta. 0+705.00 to 0+846.00

Date: May, 2024

Scale: PLAN: 1:500 PROFILE: 1:500

Sheet No. **6**



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

PLAN & PROFILE
 From sta. 0+846.00 to 0+987.00

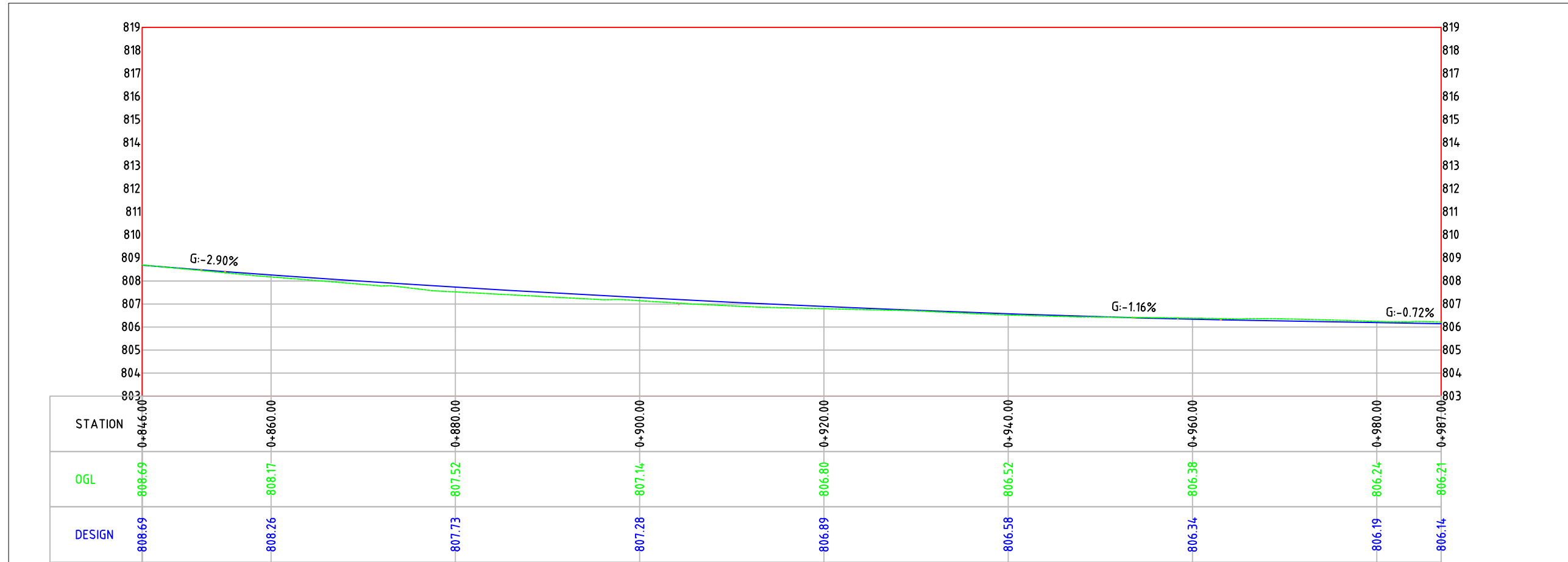
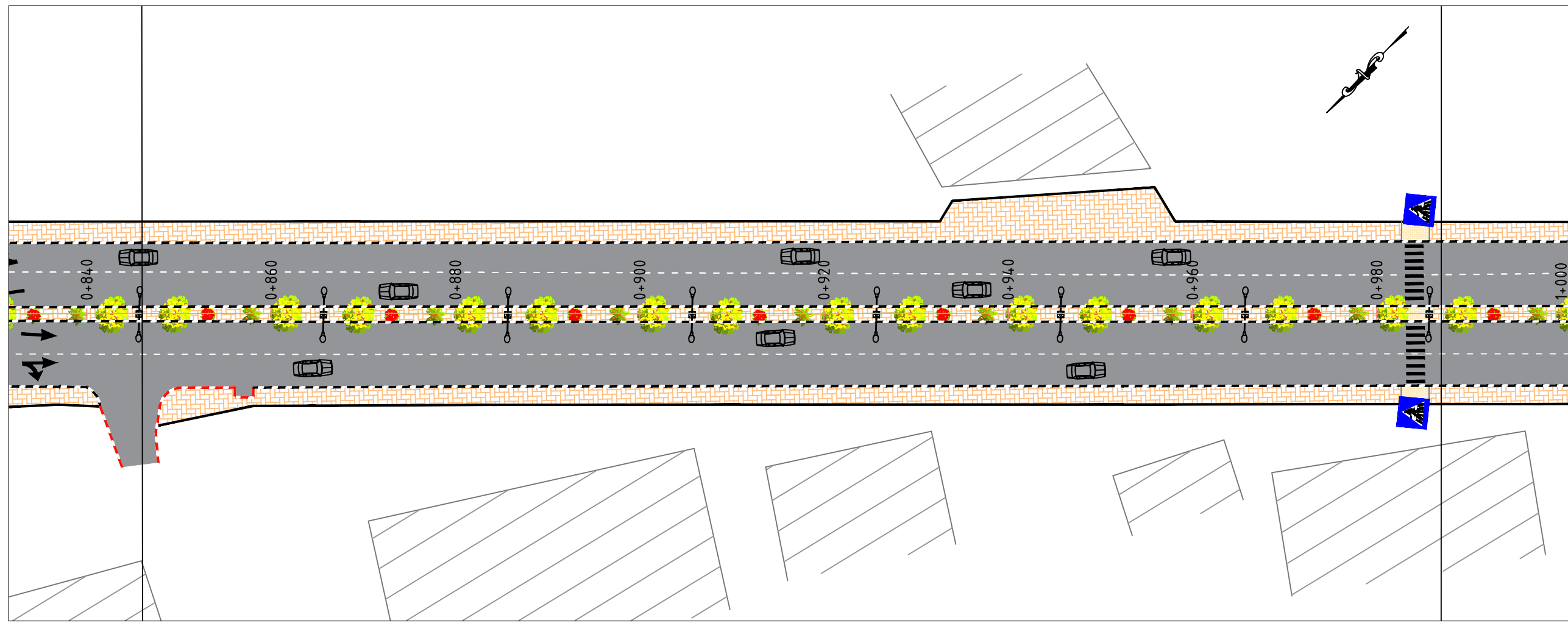
Date: May, 2024

Scale Sheet No.

PLAN:
 1:500

PROFILE:
 1:500

7





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

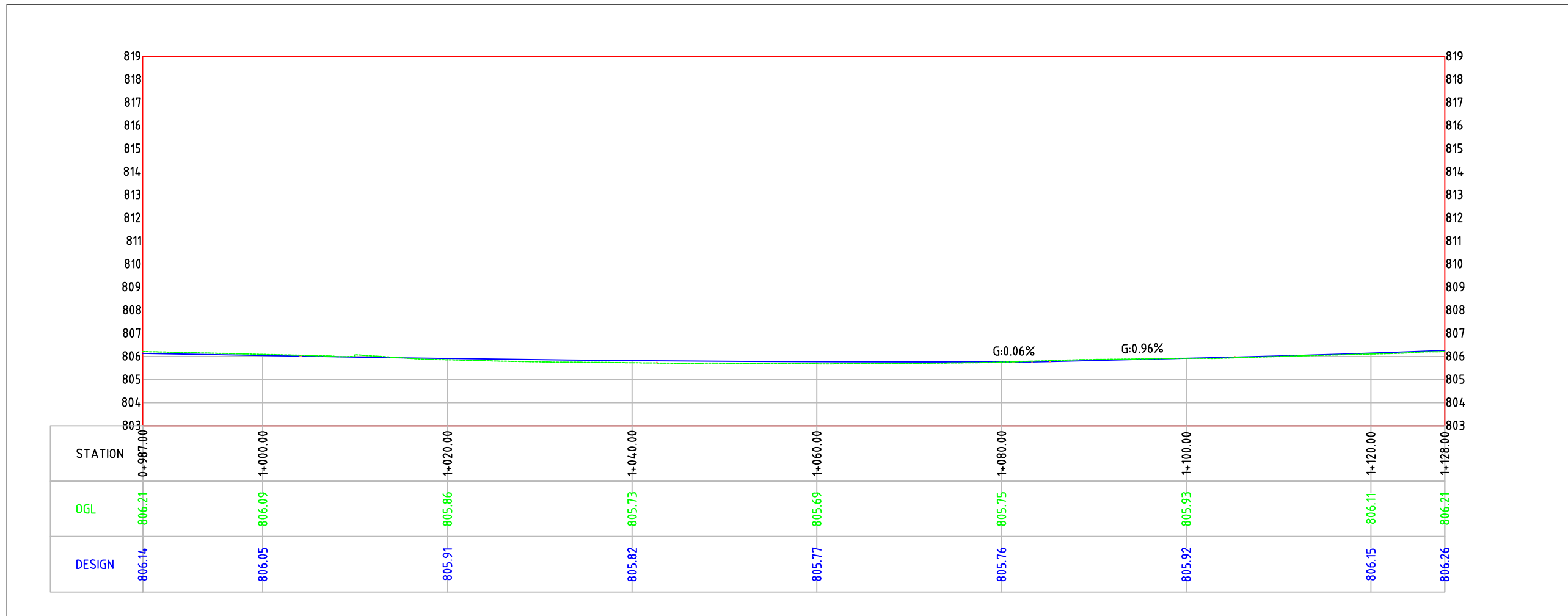
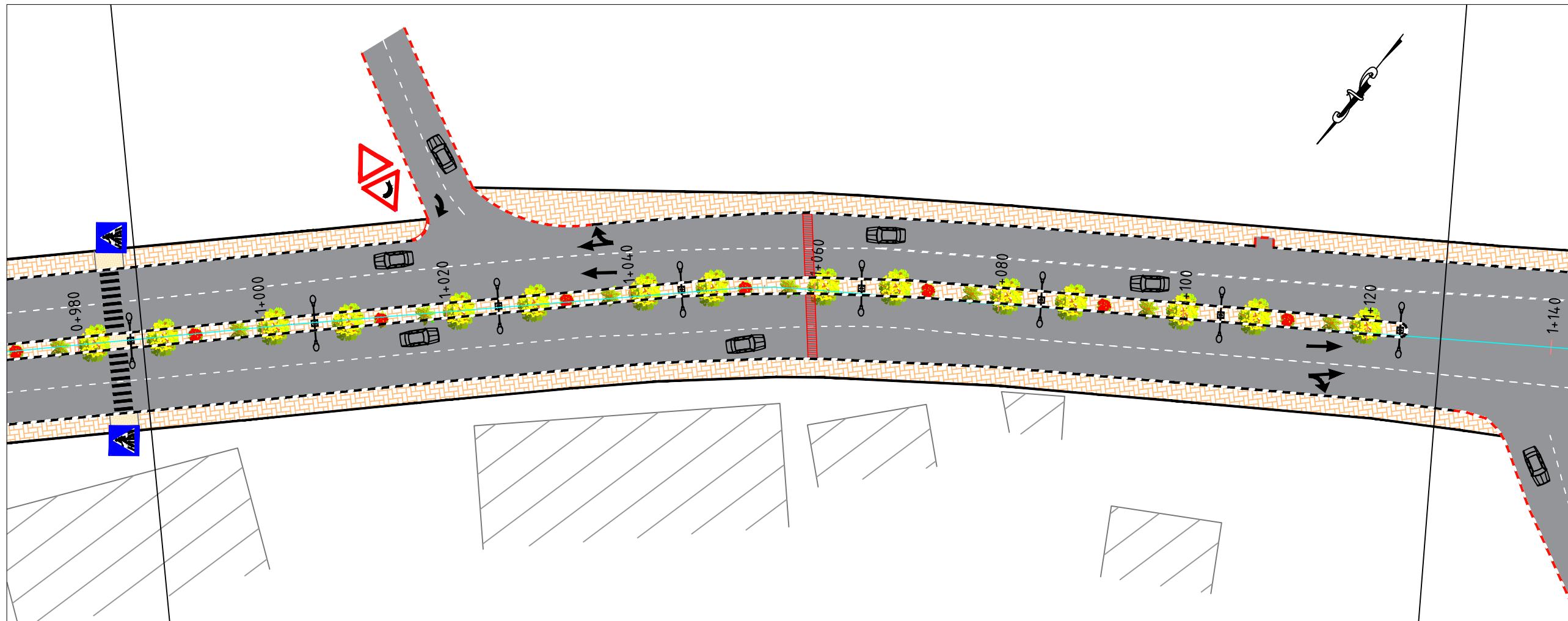
Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level



- GENERAL NOTES:
- ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 - ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 - COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 - ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 - ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
 PLAN & PROFILE
 From sta. 0+987.00 to 1+128.00

Date: May, 2024

Scale: PLAN: 1:500, PROFILE: 1:500

Sheet No. **8**



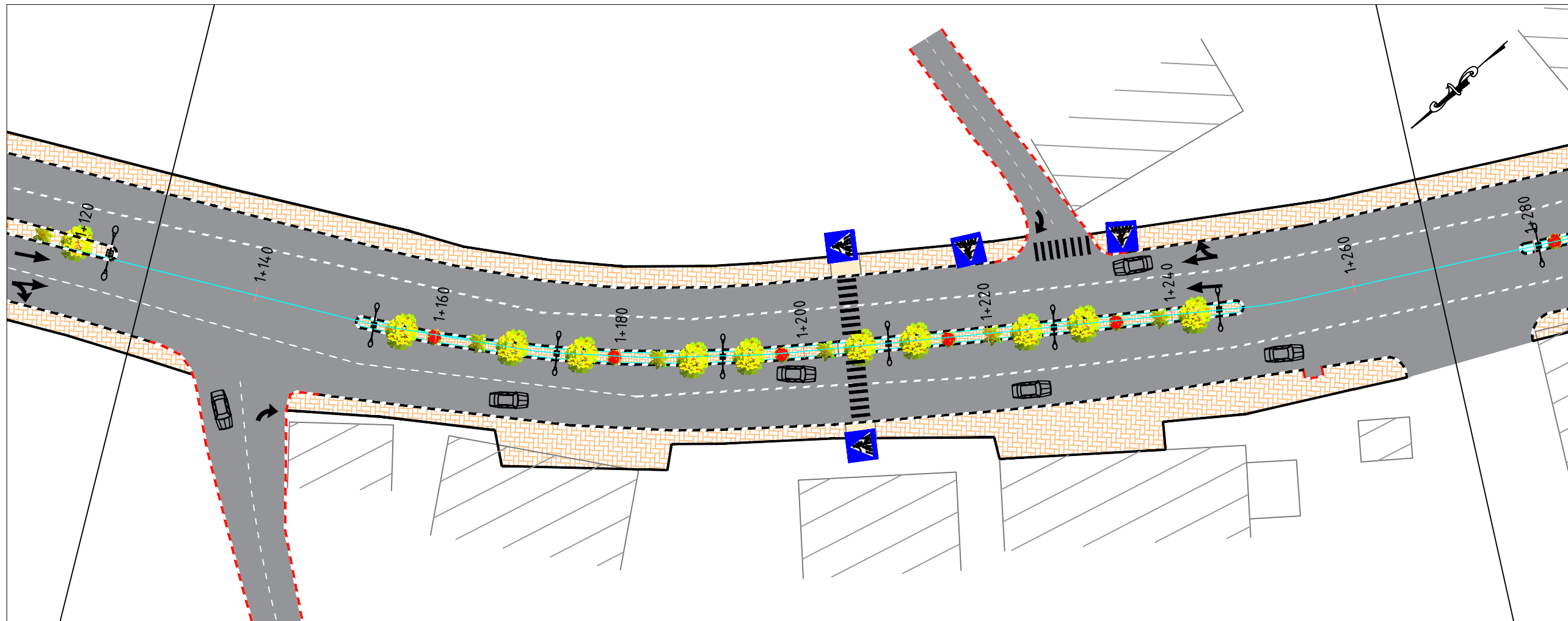
Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

CENTERLINE	
PROP. CURB STONE	
ASPHALT COURSE	
Side walk & MEDIAN	
PROP. RETAINING WALL	
PROP. LIGHTING POLE	
EXISTING BUILDING	

LEGEND FOR PROFILE

Natural ground level	
Finished ground level	



GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

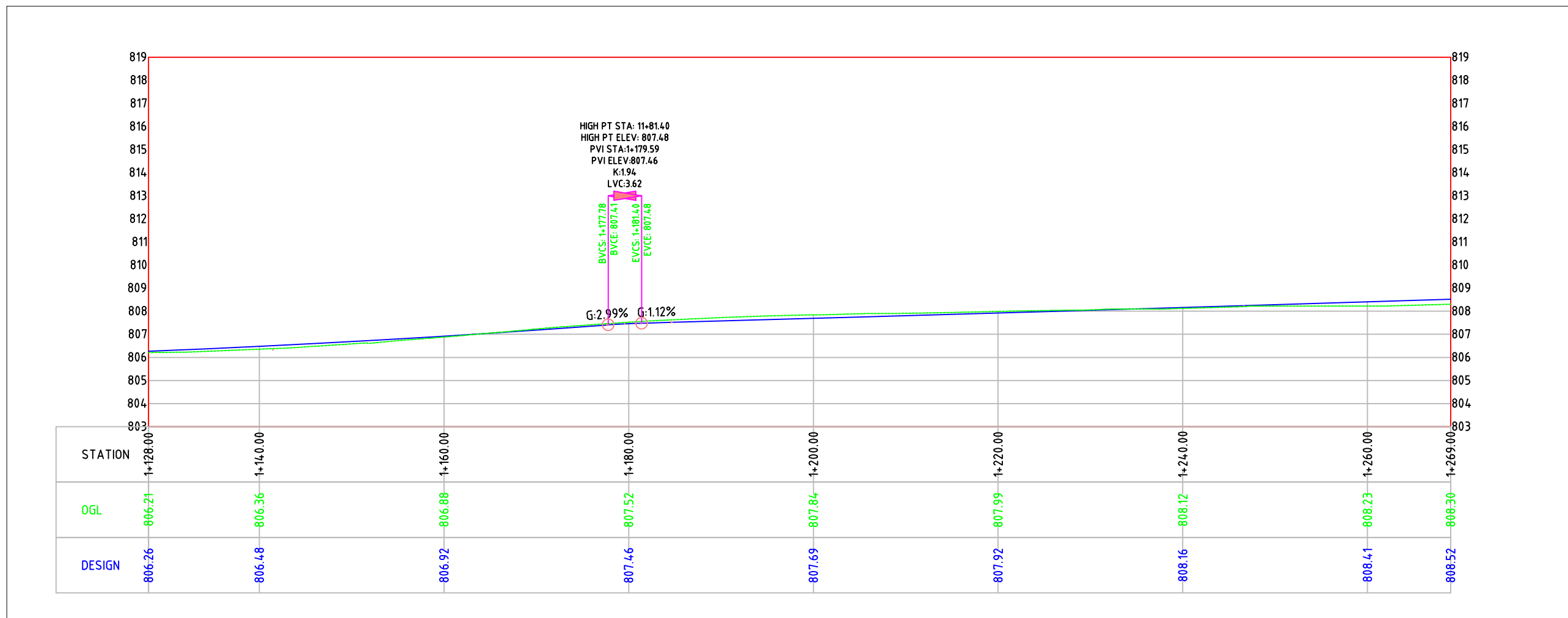
PLAN & PROFILE
 From sta. 1+128.00 to 1+269.00

Date: May, 2024

Scale Sheet No.

PLAN:
 1:500

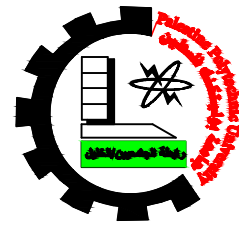
PROFILE:
 1:500



HIGH PT STA: 11+81.40
 HIGH PT ELEV: 807.48
 PVI STA: 1+179.59
 PVI ELEV: 807.46
 K: 1.94
 LVC: 3.62

BVCS: 1+177.78
 BVCE: 807.41
 EVCS: 1+181.40
 EVCE: 807.48

G: 2.99% G: 1.12%



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND FOR PLAN

- CENTERLINE
- PROP. CURB STONE
- ASPHALT COURSE
- Side walk & MEDIAN
- PROP. RETAINING WALL
- PROP. LIGHTING POLE
- EXISTING BUILDING

LEGEND FOR PROFILE

- Natural ground level
- Finished ground level

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:

PLAN & PROFILE
 From sta. 1+269.00 to 1+392.00

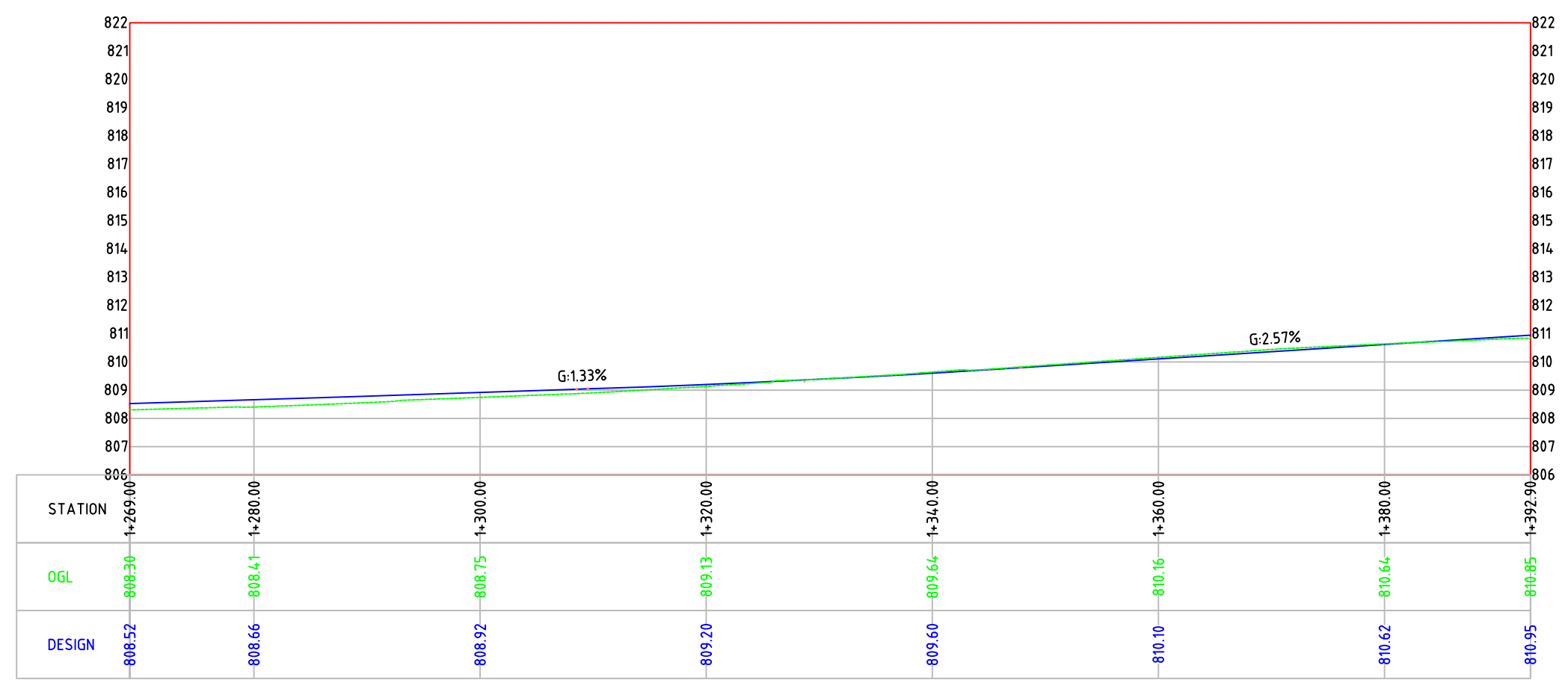
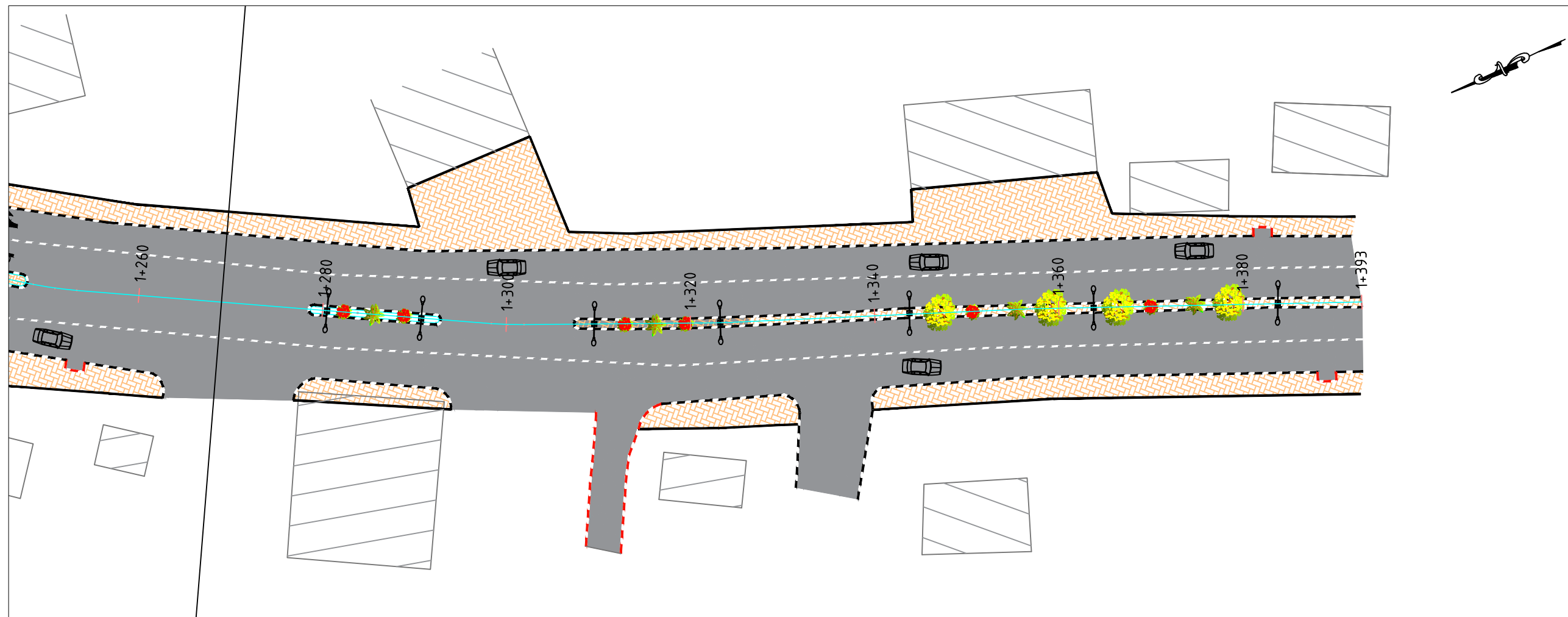
Date: May, 2024

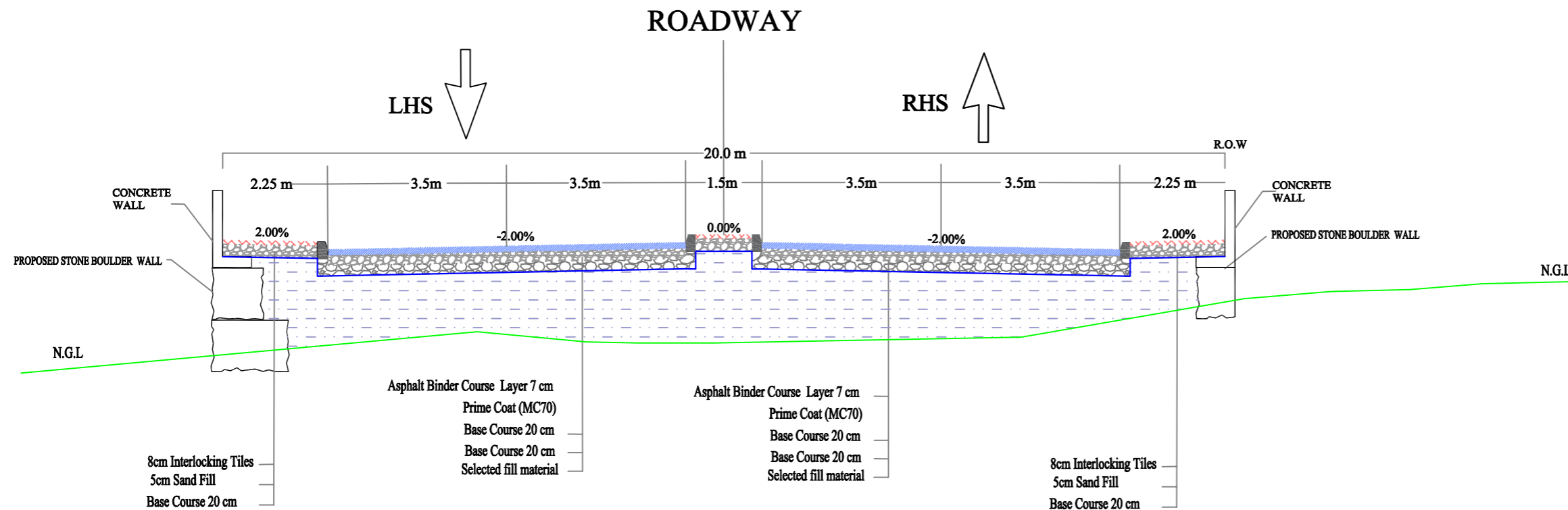
Scale Sheet No.

PLAN:
 1:500

PROFILE:
 1:500

10





TYPICAL CROSS SECTION NO.01

GENERAL NOTE:
 CROSS SECTIONS CONTAINED HEREIN ARE PROVIDED FOR INFORMATION ONLY. EXISTING GRADE LINE MAY DIFFER FROM THE ACTUAL FIELD CONDITION. THE CONTRACTOR SHALL VERIFY EXISTING GROUND LINE PERIODICALLY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT SIGNIFICANTLY IMPACT CONSTRUCTION OF THE PROPOSED FEATURES. DESIGN FEATURES DEPICTED ON CROSS SECTIONS MAY DIFFER FROM WHAT IS SHOWN ON THE PLAN AND PROFILE SHEETS. CONTRACTOR SHALL REFER TO THE PLAN AND PROFILE SHEETS TO DETERMINE THE LOCATION, DIMENSIONS, LIMITS AND EXTENTS OF PROPOSED DESIGN FEATURES.

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER
- FILL AREA
- STONE WALL

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
 TYPICAL CROSS SECTION NO.01

Date: May, 2024

Scale: N.T.S

Sheet No. D.1



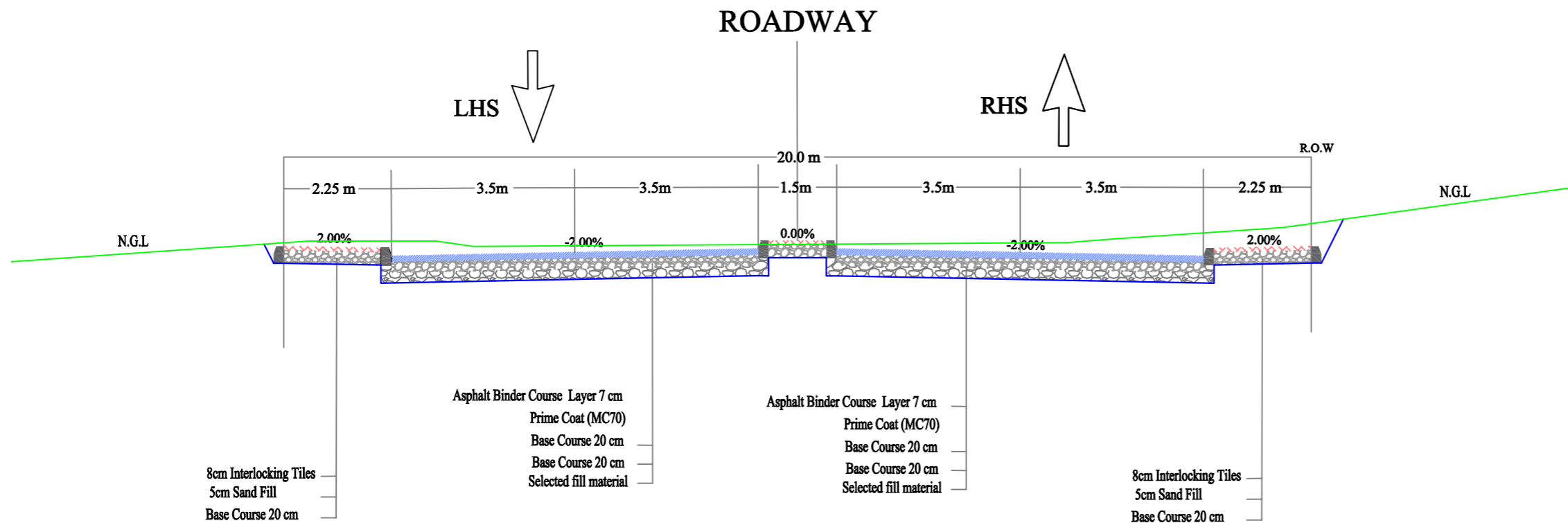
Palestine Polytechnic University

College of Engineering

Civil Engineering Department

Surveying & Geomatics Engineering

Design and Rehalitation
Zeif Road



LEGEND:

NATURAL GROUND LEVEL	
FINISHED GROUND LEVEL	
CURB STONE	
SIDE WALK & MEDIAN	
BASE COURSE LAYER	
SUB BASE LAYER	
ASPHALT LAYER	
FILL AREA	
STONE WALL	

TYPICAL CROSS SECTION NO.02

GENERAL NOTE:

CROSS SECTIONS CONTAINED HEREIN ARE PROVIDED FOR INFORMATION ONLY. EXISTING GRADE LINE MAY DIFFER FROM THE ACTUAL FIELD CONDITION. THE CONTRACTOR SHALL VERIFY EXISTING GROUND LINE PERIODICALLY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT SIGNIFICANTLY IMPACT CONSTRUCTION OF THE PROPOSED FEATURES. DESIGN FEATURES DEPICTED ON CROSS SECTIONS MAY DIFFER FROM WHAT IS SHOWN ON THE PLAN AND PROFILE SHEETS. CONTRACTOR SHALL REFER TO THE PLAN AND PROFILE SHEETS TO DETERMINE THE LOCATION, DIMENSIONS, LIMITS AND EXTENTS OF PROPOSED DESIGN FEATURES.

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:

Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

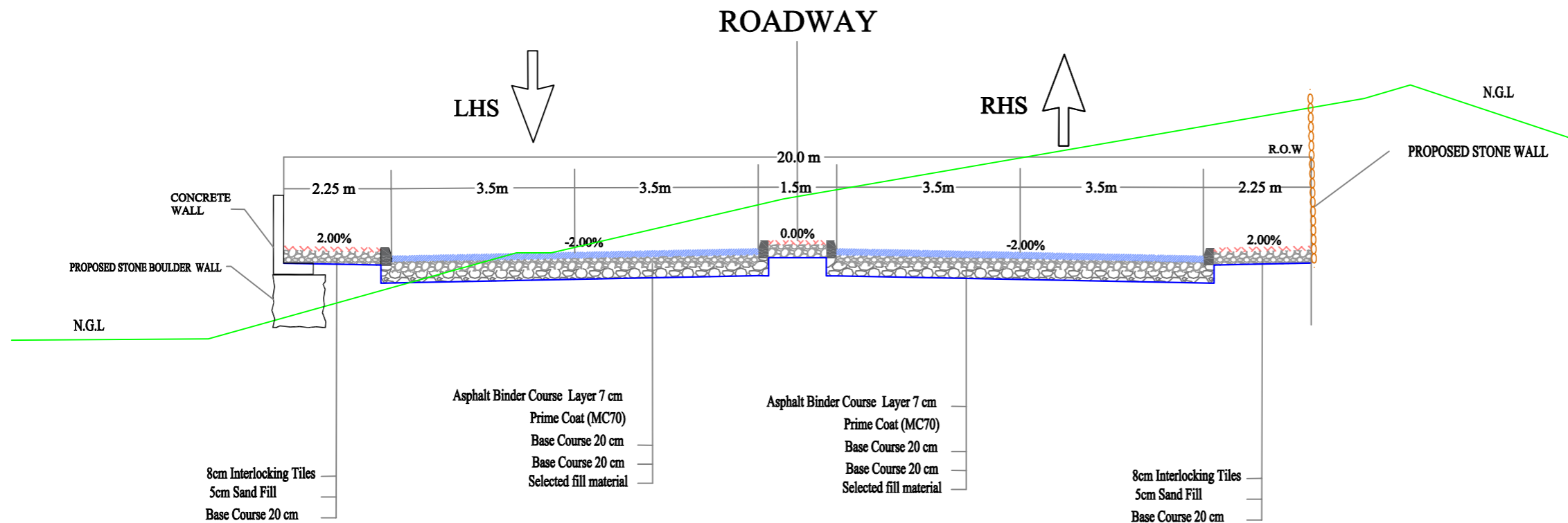
Drawing Title:

TYPICAL CROSS SECTION NO.02

Date: May, 2024

Scale: N.T.S

Sheet No. D.2



TYPICAL CROSS SECTION NO.04

GENERAL NOTE:
 CROSS SECTIONS CONTAINED HEREIN ARE PROVIDED FOR INFORMATION ONLY. EXISTING GRADE LINE MAY DIFFER FROM THE ACTUAL FIELD CONDITION. THE CONTRACTOR SHALL VERIFY EXISTING GROUND LINE PERIODICALLY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT SIGNIFICANTLY IMPACT CONSTRUCTION OF THE PROPOSED FEATURES. DESIGN FEATURES DEPICTED ON CROSS SECTIONS MAY DIFFER FROM WHAT IS SHOWN ON THE PLAN AND PROFILE SHEETS. CONTRACTOR SHALL REFER TO THE PLAN AND PROFILE SHEETS TO DETERMINE THE LOCATION, DIMENSIONS, LIMITS AND EXTENTS OF PROPOSED DESIGN FEATURES.

LEGEND:

NATURAL GROUND LEVEL	
FINISHED GROUND LEVEL	
CURB STONE	
SIDE WALK & MEDIAN	
BASE COURSE LAYER	
SUB BASE LAYER	
ASPHALT LAYER	
FILL AREA	
STONE WALL	

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
 TYPICAL CROSS SECTION NO.04

Date: May, 2024

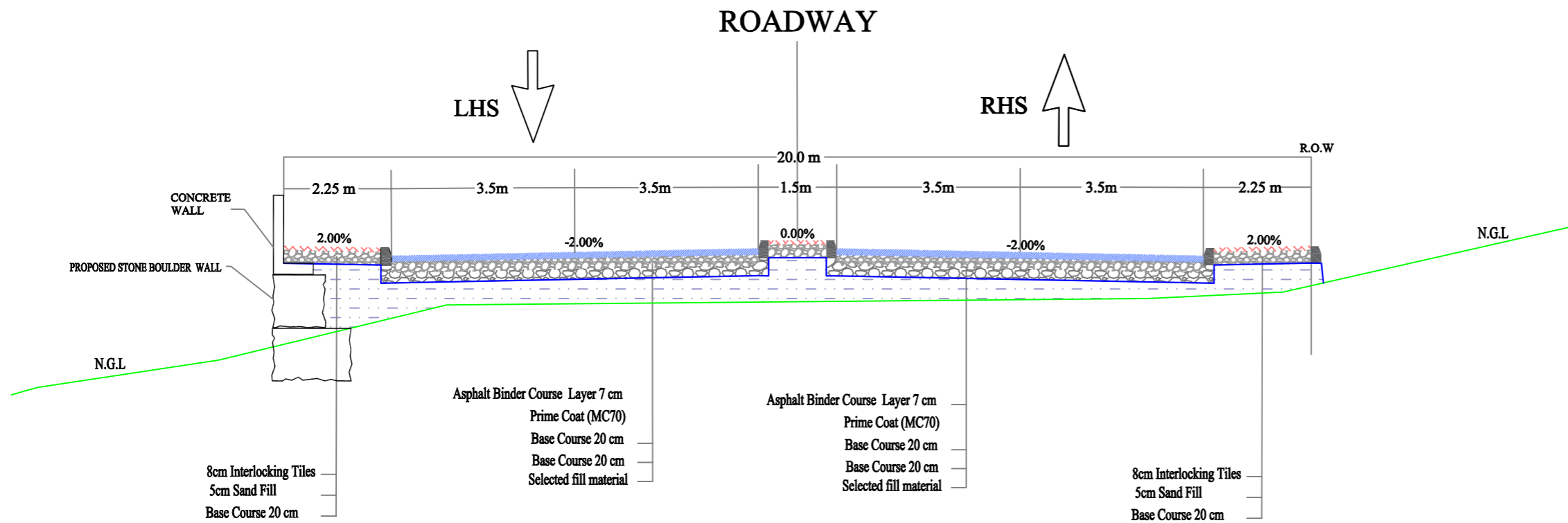
Scale: N.T.S

Sheet No. D.4



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road



TYPICAL CROSS SECTION NO.05

GENERAL NOTE:
 CROSS SECTIONS CONTAINED HEREIN ARE PROVIDED FOR INFORMATION ONLY. EXISTING GRADE LINE MAY DIFFER FROM THE ACTUAL FIELD CONDITION. THE CONTRACTOR SHALL VERIFY EXISTING GROUND LINE PERIODICALLY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT SIGNIFICANTLY IMPACT CONSTRUCTION OF THE PROPOSED FEATURES. DESIGN FEATURES DEPICTED ON CROSS SECTIONS MAY DIFFER FROM WHAT IS SHOWN ON THE PLAN AND PROFILE SHEETS. CONTRACTOR SHALL REFER TO THE PLAN AND PROFILE SHEETS TO DETERMINE THE LOCATION, DIMENSIONS, LIMITS AND EXTENTS OF PROPOSED DESIGN FEATURES.

LEGEND:

- NATURAL GROUND LEVEL ———
- FINISHED GROUND LEVEL ———
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER
- FILL AREA
- STONE WALL

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

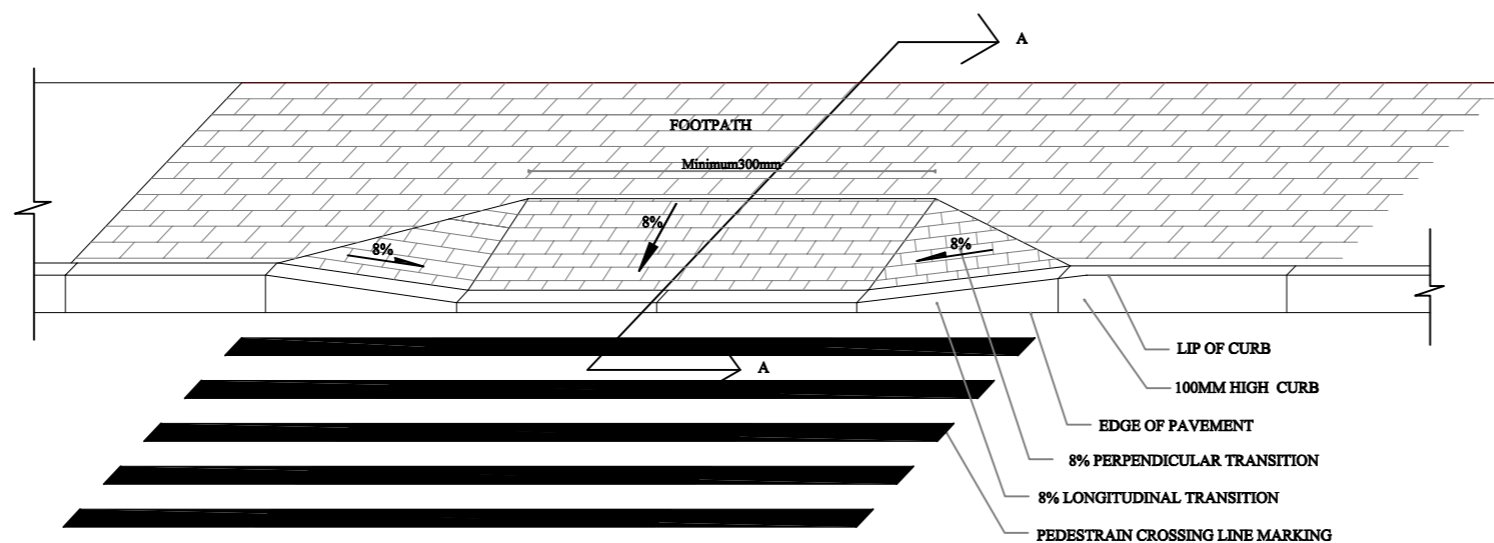
SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

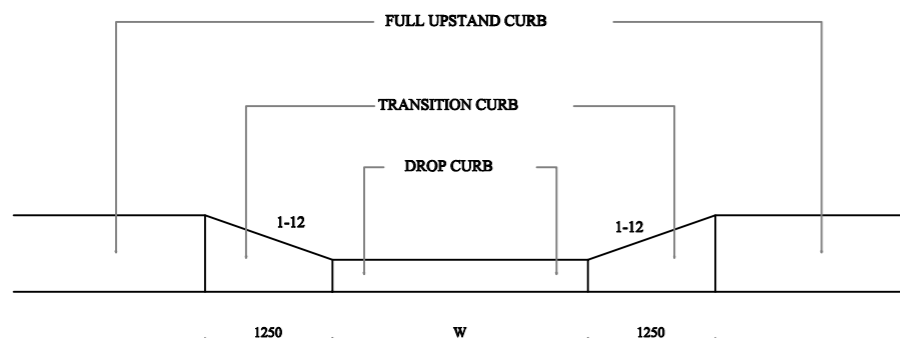
Drawing Title:
 TYPICAL CROSS SECTION NO.05

Date: May. 2024

Scale: N.T.S **Sheet No.** D.5

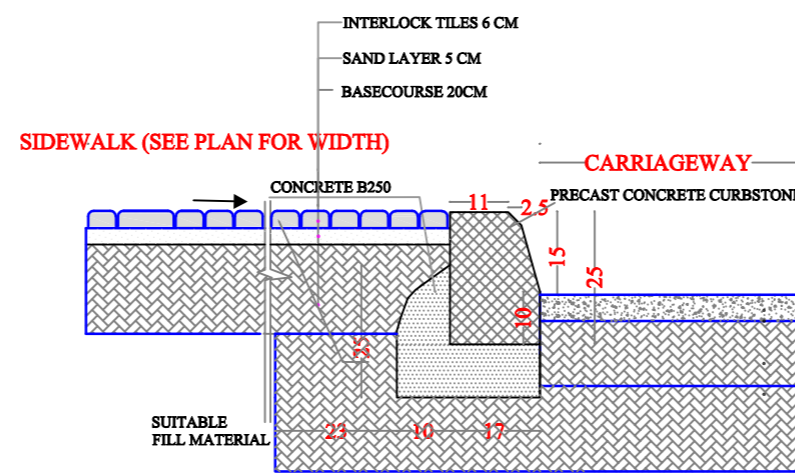


DROP CURB PLAN



W = MIN 300 AT PEDESTRIAN CROSSING

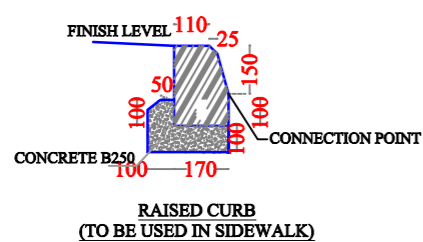
ELEVATION OF DROP CURB ARRANGEMENT



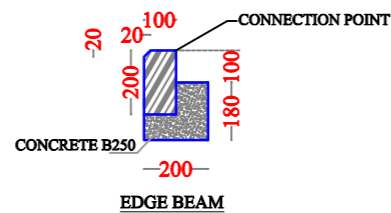
RAISED CURB / SIDEWALK DETAIL

DETAIL "A"

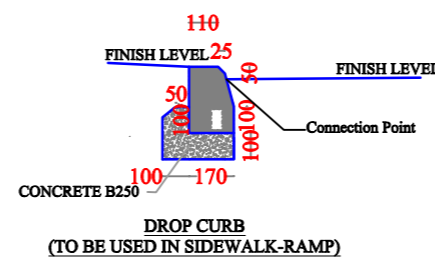
INTERLOCKING SIDEWALK DETAIL



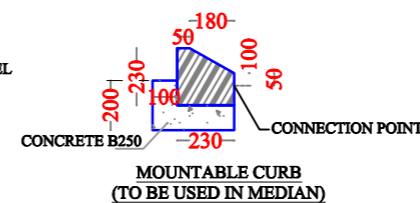
**RAISED CURB
(TO BE USED IN SIDEWALK)**



EDGE BEAM



**DROP CURB
(TO BE USED IN SIDEWALK-RAMP)**



**MOUNTABLE CURB
(TO BE USED IN MEDIAN)**

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

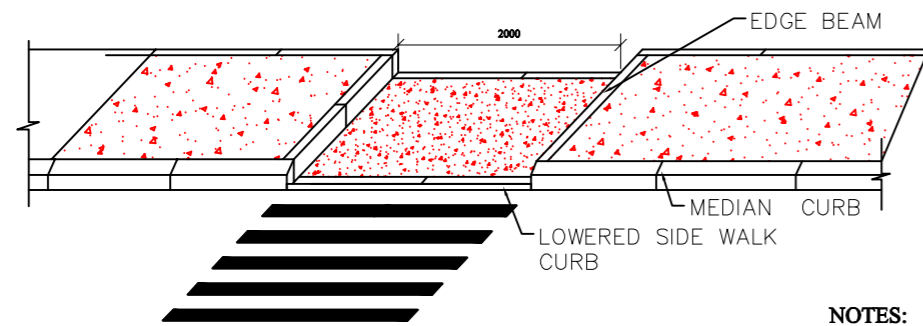
TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
 SIDE WALK DETAILS

Date: May. 2024

Scale: N.T.S

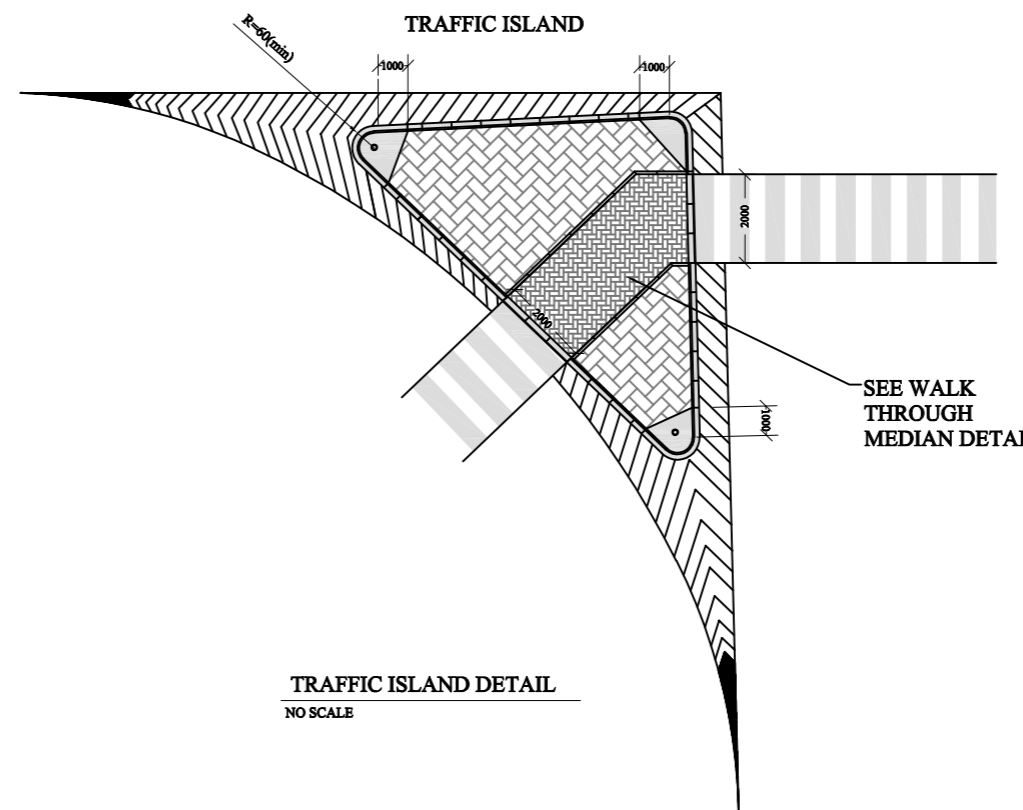
Sheet No. D.6



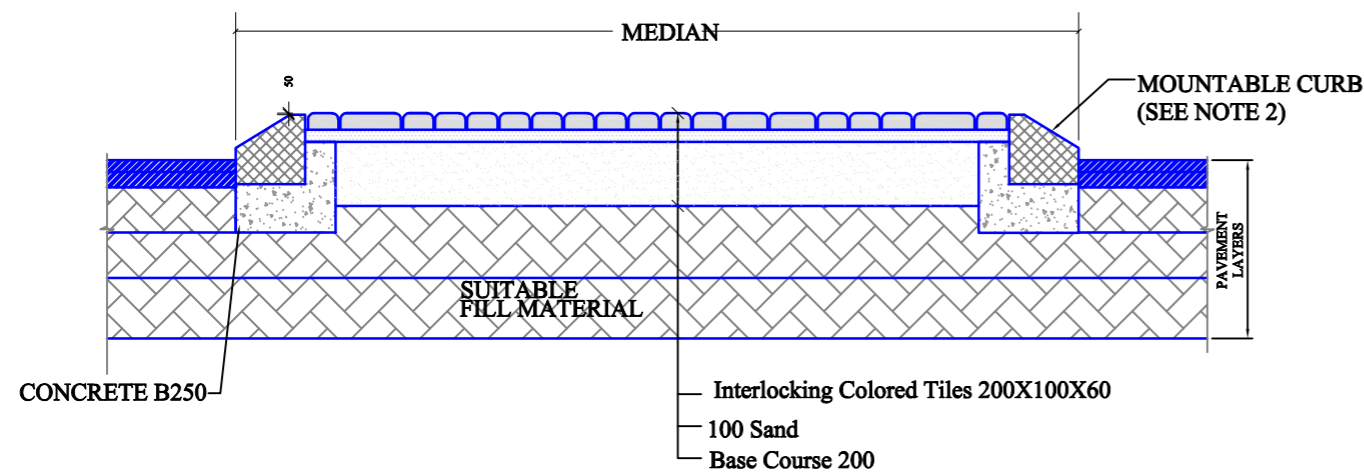
WALK THROUGH MEDIAN DETAIL
 NO SCALE

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
2. SEE SHEET C-DT41 FOR CURB DETAILS.

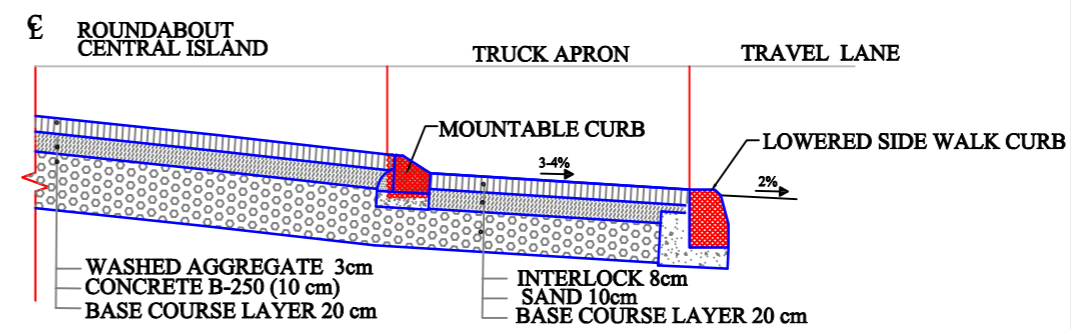


TRAFFIC ISLAND DETAIL
 NO SCALE

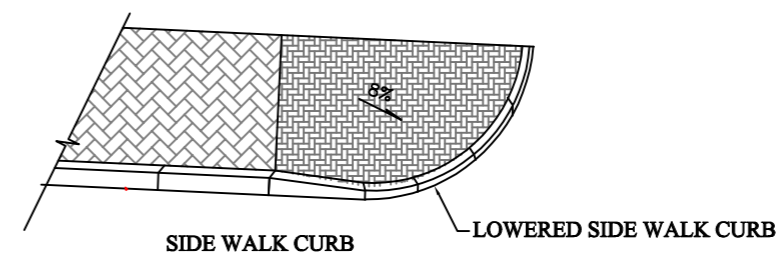


MOUNTABLE CURB / MEDIAN DETAIL WITH PAVERS

MEDIAN DETAILS
 NTS



ROUND ABOUT DETAIL
 NO SCALE



RAMP DETAILS AT BEGINNING OF SIDEWALK
 NO SCALE

- GENERAL NOTES:**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
 MEDIAN DETAILS

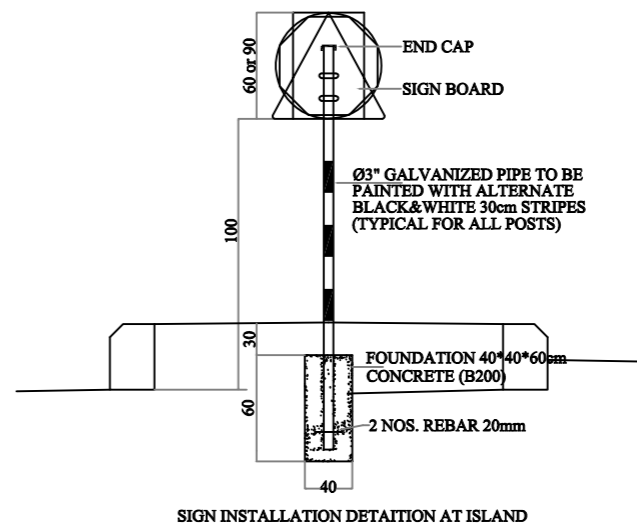
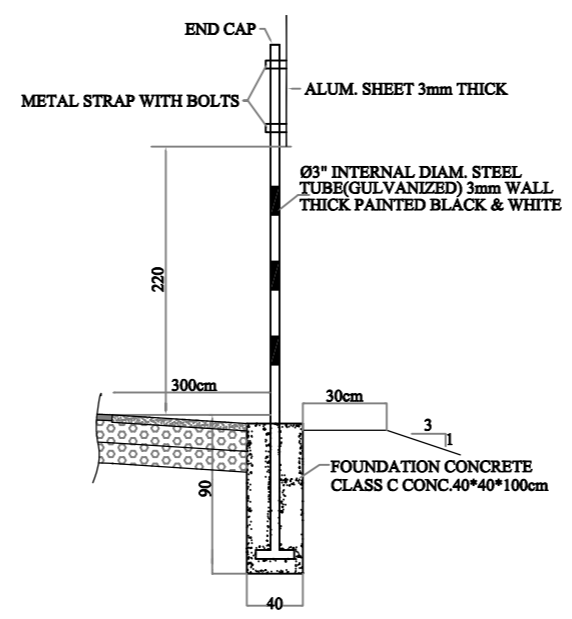
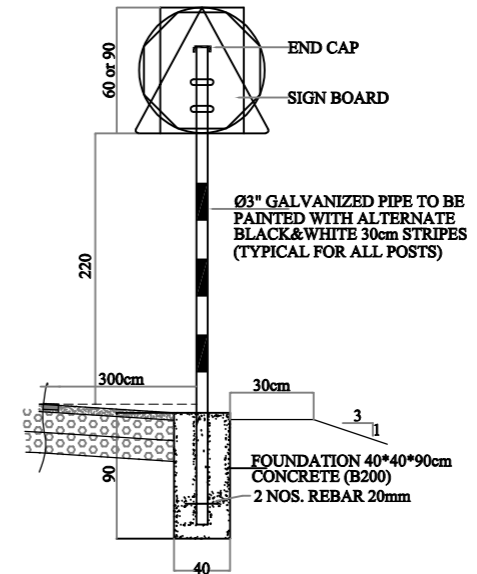
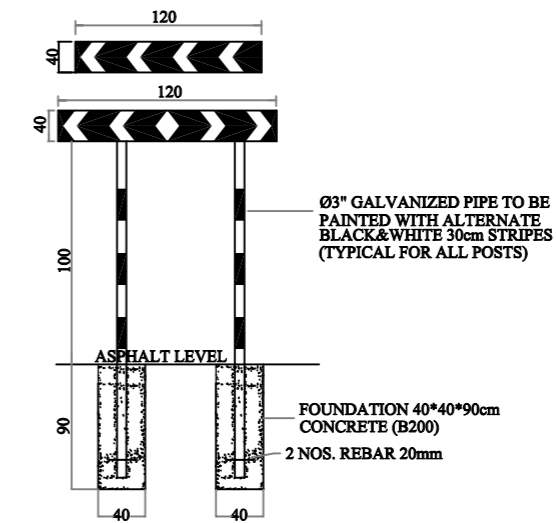
Date: May, 2024

Scale: N.T.S

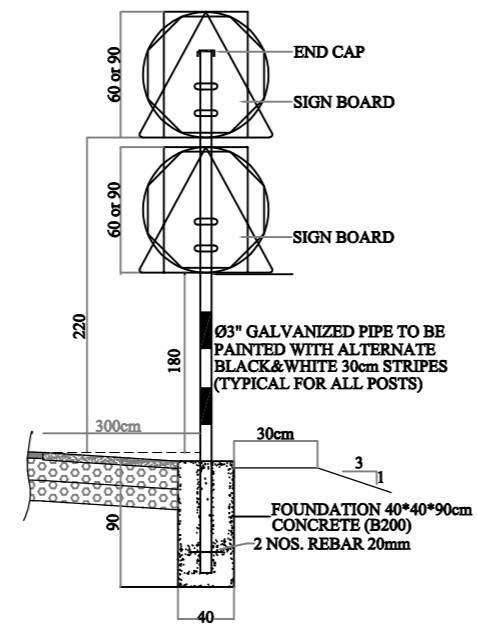
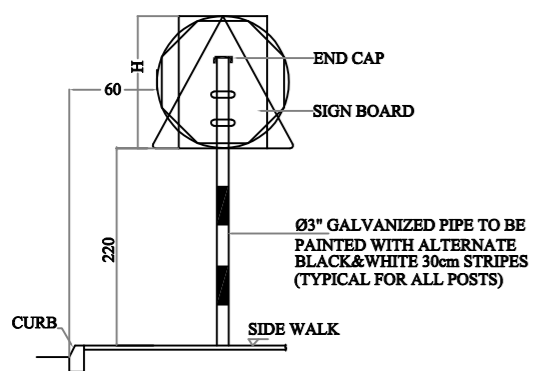
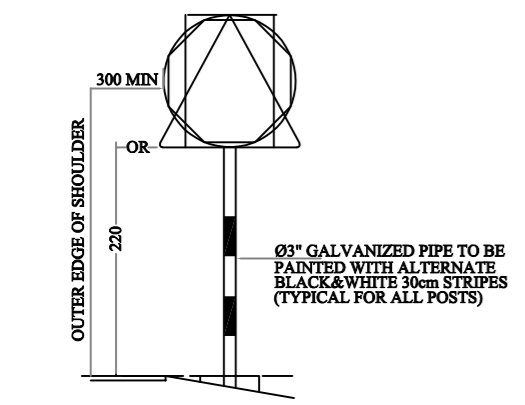
Sheet No. D.7



SIGN No. 101	SIGN No. 102	SIGN No. 103	SIGN No. 106	SIGN No. 104	SIGN No. 105	SIGN No. 109	SIGN No. 110	SIGN No. 111	SIGN No. 114	SIGN No. 116
SIGN No. 115	SIGN No. 117	SIGN No. 119	SIGN No. 120	SIGN No. 121	SIGN No. 122	SIGN No. 123	SIGN No. 124	SIGN No. 125	SIGN No. 126	SIGN No. 135
SIGN No. 136	SIGN No. 140	SIGN No. 144	SIGN No. 145	SIGN No. 204	SIGN No. 205	SIGN No. 212	SIGN No. 213	SIGN No. 214	SIGN No. 215	SIGN No. 301
SIGN No. 302	SIGN No. 303	SIGN No. 306	SIGN No. 307	SIGN No. 401	SIGN No. 402	SIGN No. 416	SIGN No. 424	SIGN No. 425	SIGN No. 426	SIGN No. 431
				 RS-118 CHEVRON BOARD DETAIL USE DOUBLE POST 3" FOR INSTALLATION		 RS-108 CHEVRON BOARD DETAIL USE DOUBLE POST 3" FOR INSTALLATION		 RS-112 HAZARD SIGN		



SIGN INSTALLATION DETAIL AT ISLAND



- GENERAL NOTES:
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
TRAFFIC SIGN DETAILS

Date: May, 2024

Scale: N.T.S

Sheet No. **D.8**



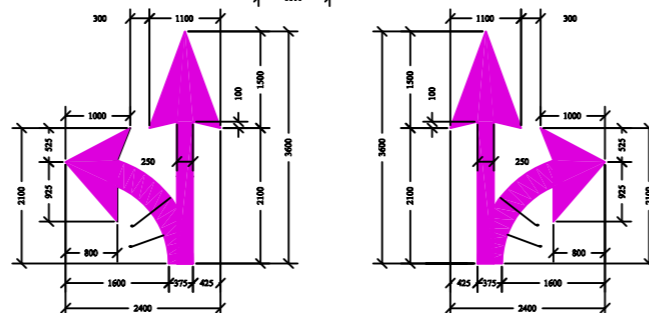
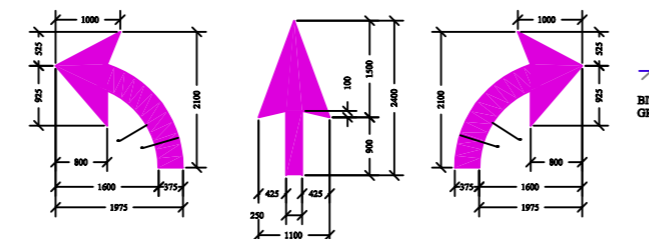
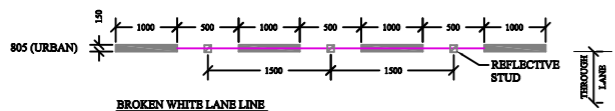
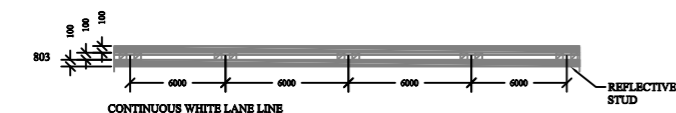
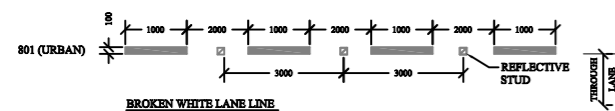
Palestine Polytechnic University

College of Engineering

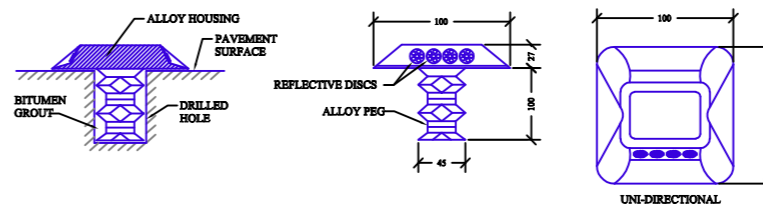
Civil Engineering Department

Surveying & Geomatics Engineering

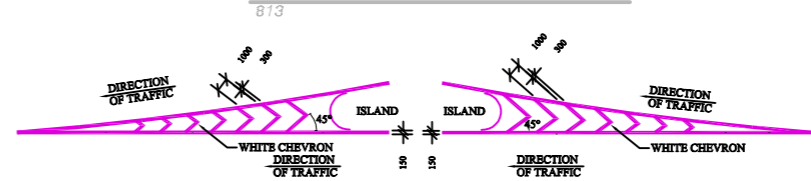
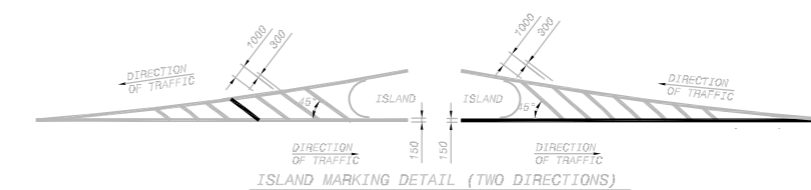
Design and Rehalitation
Zeif Road



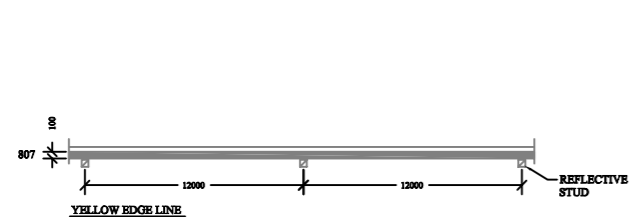
LANE MARKING ARROWS ROAD MARKING
813



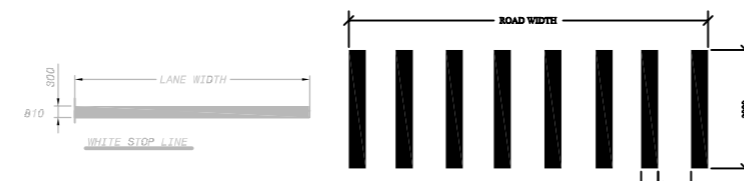
DETAIL OF TYPICAL REFLECTIVE STUDS



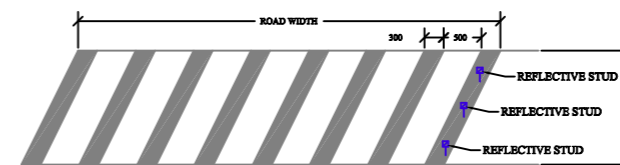
CHEVRON MARKING DETAIL
814



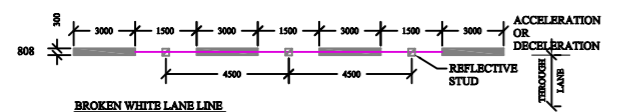
YELLOW EDGE LINE



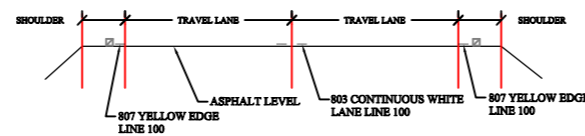
DETAIL OF PEDESTRIAN CROSS WALK
811



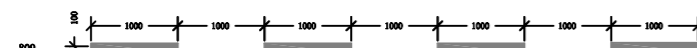
DETAIL OF SPEED SLOWING DOWN ON CURVES
815



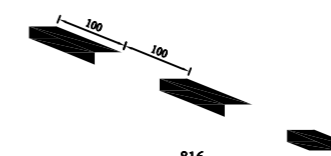
BROKEN WHITE LANE LINE



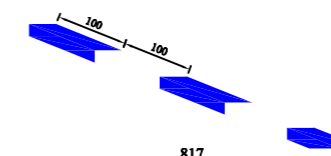
SECTION VIEW



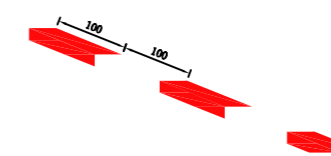
BROKEN WHITE TURNING LINE



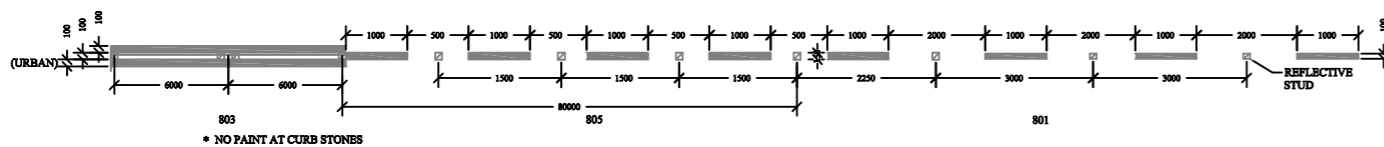
816



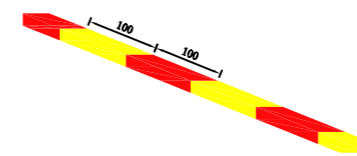
817



818



* NO PAINT AT CURB STONES



511

CURB STONE MARKING DETAILS
PARKING RESTRICTIONS AND DELINEATION)

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

ROAD MARKING DETAILS

Date: May, 2024

Scale:

N.T.S

Sheet No.

D.9



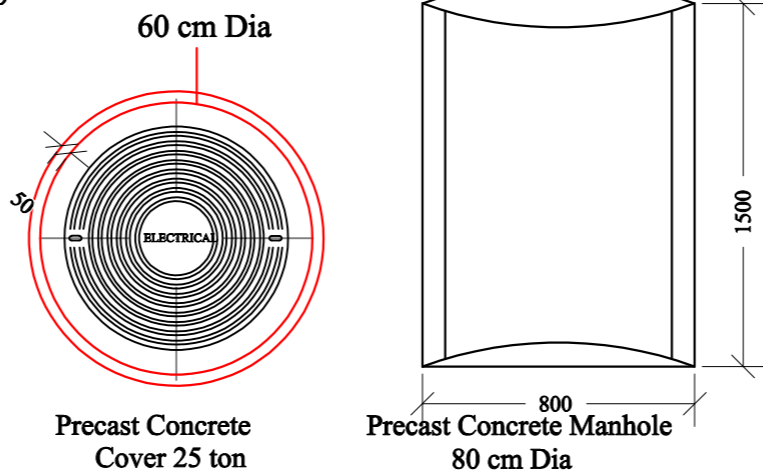
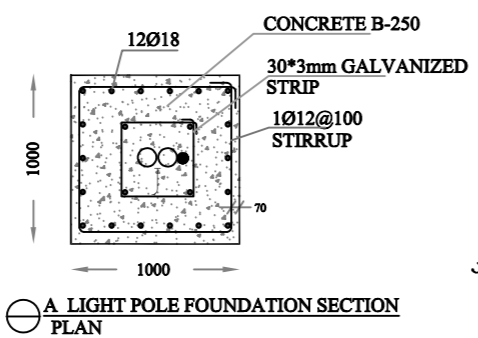
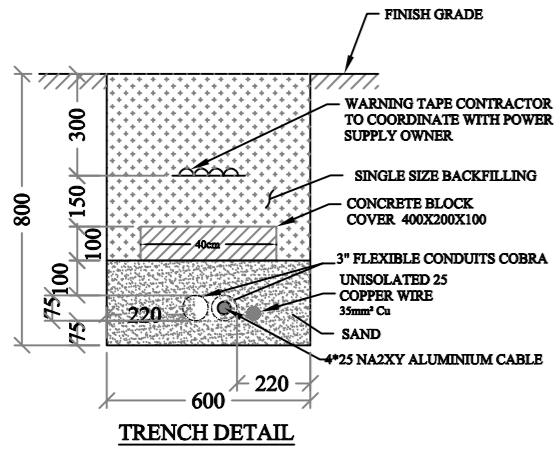
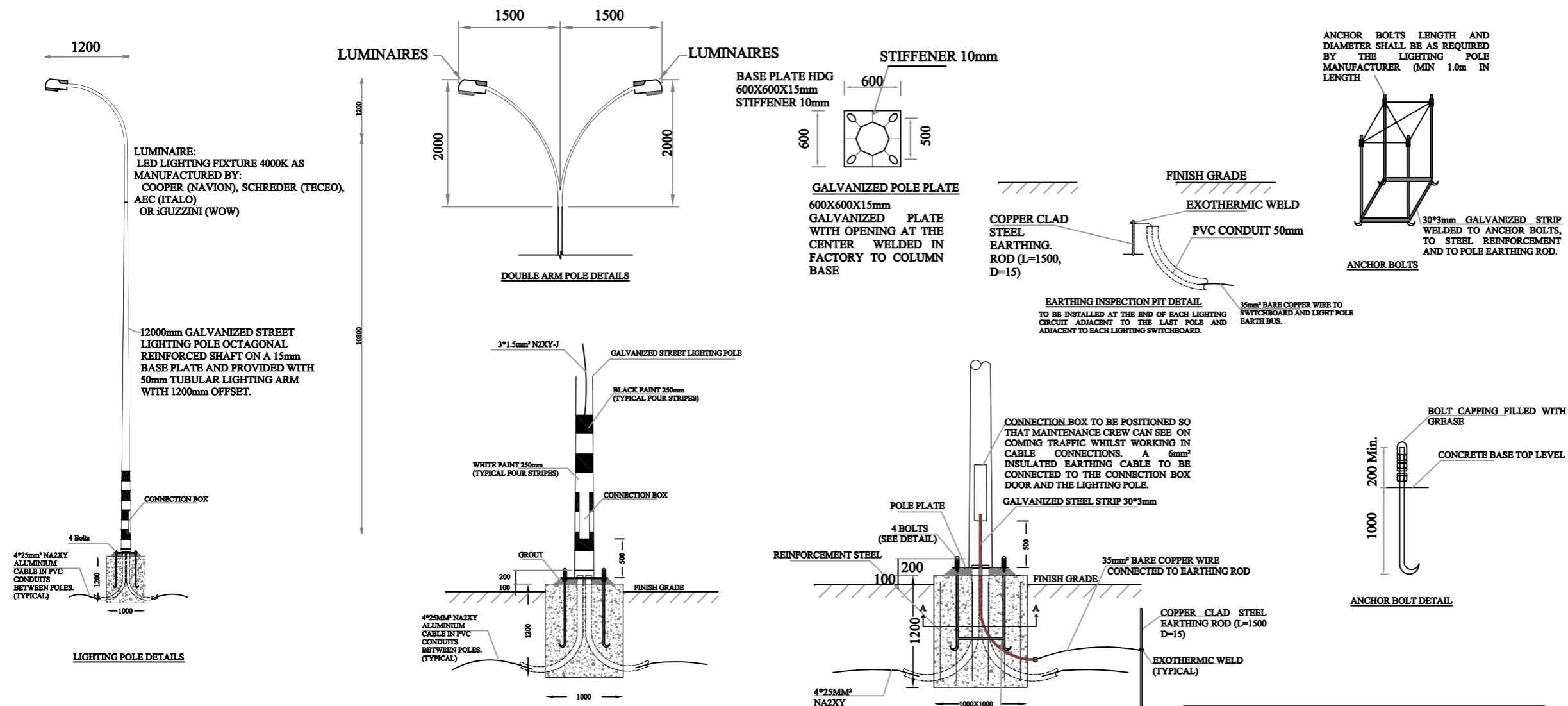
Palestine Polytechnic University

College of Engineering

Civil Engineering Department

Surveying & Geomatics Engineering

Design and Rehalitation
Zeif Road



- GENERAL SHEET NOTES**
- DURING PIPING INSTALLATION ALONG PAVED ROADS, THE CONTRACTOR SHALL UTILIZE METHODS TO PREVENT DAMAGING THE EXISTING ASPHALT SURFACE. IF THE SURFACE IS DAMAGED, THE CONTRACTOR SHALL MILL IT AND APPLY ASPHALT COURSE AT HIS OWN EXPENSE TO RESTORE TO PRE-EXISTING CONDITION.
 - IN CASE OF ROAD CROSSING, THE DAMAGED WIDTH SHALL BE PAVED.
 - FOR PIPES ALONG AND ACROSS ASPHALTED ROAD, SECOND COURSE FOR FULL WIDTH ONLY IF APPROVED BY THE ENGINEER. TERMINATION SHALL BE SLOPED TO EXISTING SURFACE.
 - FOR PAVED ROAD CROSSING IN MAIN ROADS AND ISRAELI ROADS, WIDTH OF BASE COURSE ROAD SURFACE AS DETERMINED BY ENGINEER. FOR ISRAELI ROADS, CONTRACTOR TO OBTAIN APPROVAL FROM APPROPRIATE ISRAELI AUTHORITY.
 - COMPACT EACH LIFT OF SINGLE SIZE AGGREGATE TO 97% (ASTM D1557).
 - THE ADJACENT PAVEMENT SHALL BE MILLED A MINIMUM DEPTH OF 37 AND REPLACED WITH AN ASPHALT SURFACE COURSE TO MATCH TRENCH SURFACE PAVING.

- NOTES:**
- THE CONTRACTOR SHALL INSTALL A COPPER CLAD STEEL ROD (L=1.5M, D=15mm) NEXT TO EACH POLE FOUNDATION. THE ROD SHALL BE CONNECTED TO THE GALVANIZED STRIP USING EXOTHERMIC WELD.
 - THE CONTRACTOR SHALL PROVIDE GALVANIZED STRIP 30X3mm WELDED TO THE POLES BOLTS AT THE BASE. THE STRIP SHALL BE CONNECTED TO THE GROUNDING STRIP.

- GENERAL NOTES:**
- ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 - ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 - COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 - ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 - ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:
ELECTRICAL POLE DETAILS

Date: May, 2024

Scale: N.T.S
Sheet No. D.10



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

GENERAL NOTES:
 1- ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2- ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 3- COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4- ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5- ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

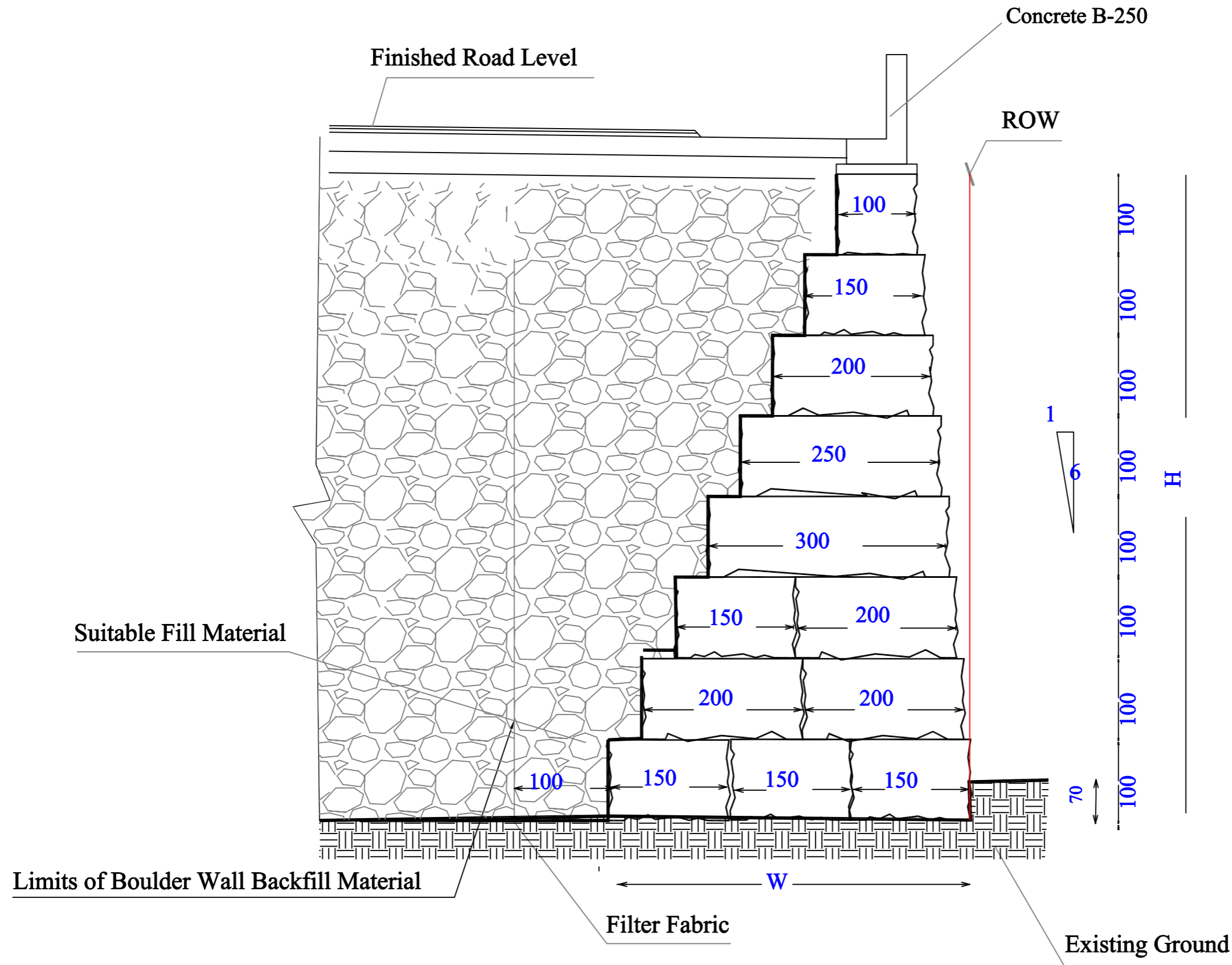
TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

Drawing Title:
BOULDER WALL DETAILS

Date: May, 2024

Scale: N.T.S

Sheet No. D.11



- 1- THE BOULDERS SHALL BE MORE OR THE LESS OF THE SAME SIZE AND COLOR IN ORDER TO PROVIDE A UNIFORM APPEARANCE
- 2- THE BOULDERS WALL CONSTRUCTION WILL INCLUDE EXCAVATIONS, LAYING THE BOULDERS AND BACKFILLING ALL PER THE CONTRACT SPECIFICATIONS AND THE ENGINEER'S INSTRUCTION. NOTE: THE COST OF BACKFILL BEHIND THE BOULDERS WALL (UP TO 1M OFFSET FROM THE FIRST BOTTOM BOULDERS' ROW) SHALL BE INCLUDED IN THE ITEM UNIT PRICE.
- 3- THE CONTRACTOR SHALL COORDINATE WITH THE MUNICIPALITY THE EXACT LOCATION OF THE EDGE OF R.W.O PRIOR TO START THE CONSTRUCTION OF THE WALL
- 4- THE BOULDERS WALL CONSTRUCTION SHALL BE MEASURED BY SQUARE METER m THE UNIT PRICE SHALL INCLUDE BUT NOT LIMITED TO EXCAVATION, BOULDERS DELEVARY . INSTILLATION AND BACKFILLING
- 5-BACKFILLING BEHIND THE STONES (MARABEE) SHALL BE DONE PER THE CONTRACT SPECIFICATION.
- 6-WIDTH OF BOTTOM BOULDER (W) SHALL BE HALF OF HEIGHT OF BOULDER (H).



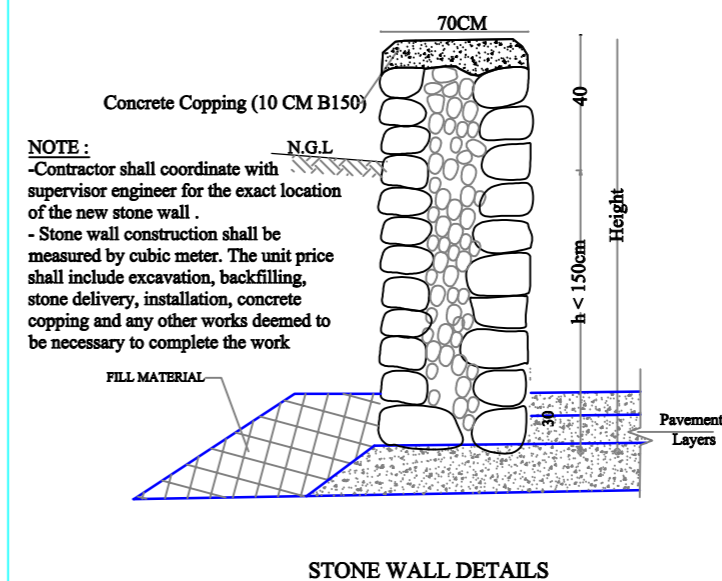
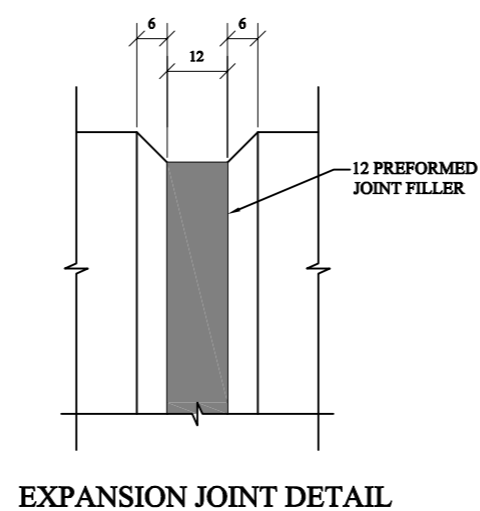
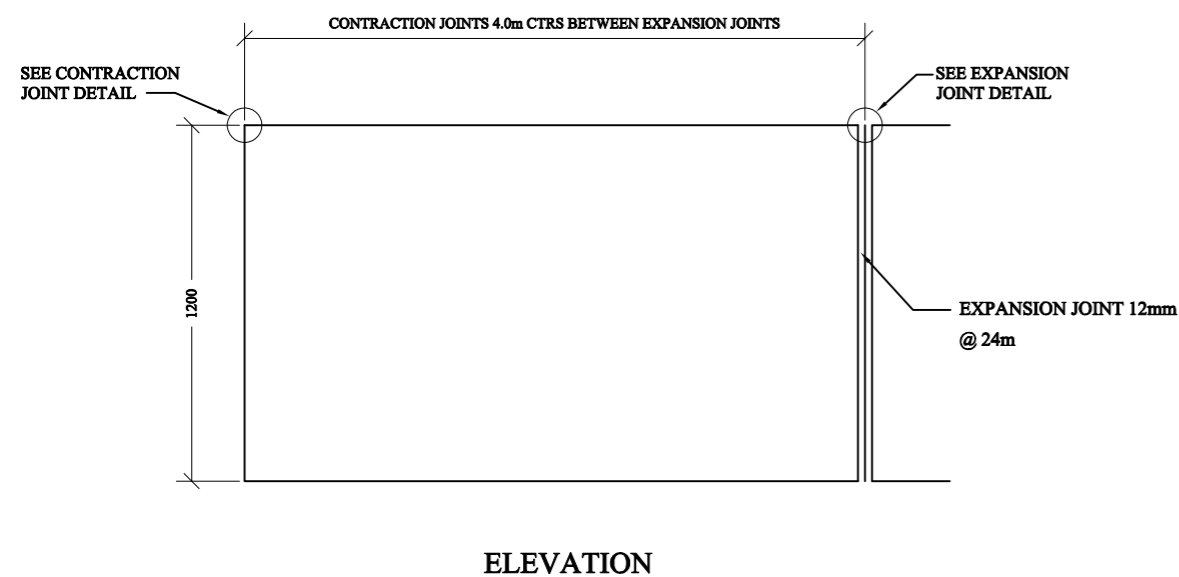
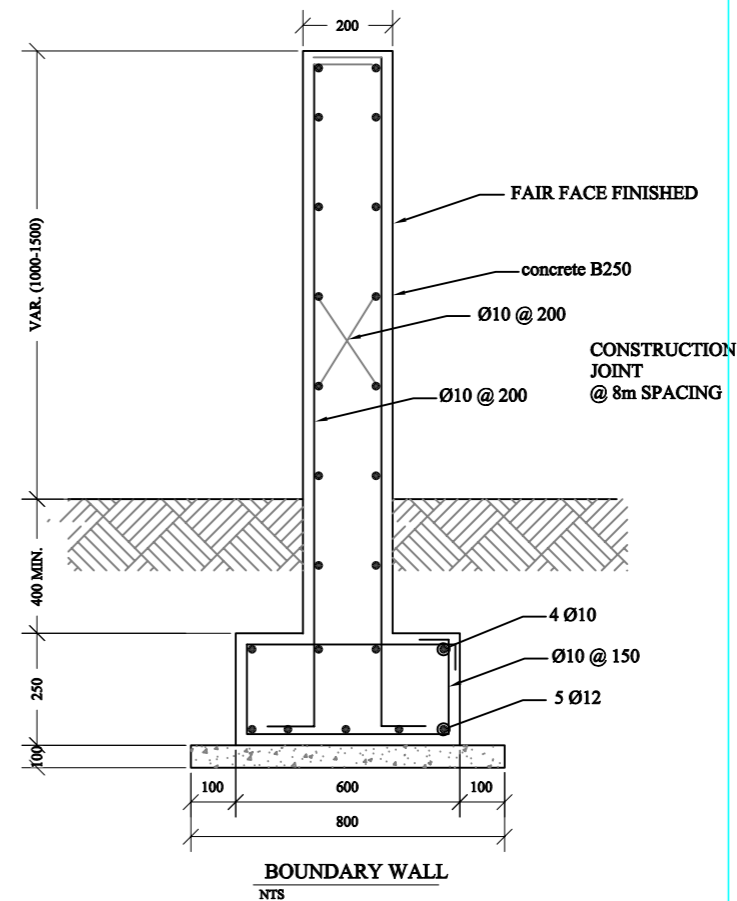
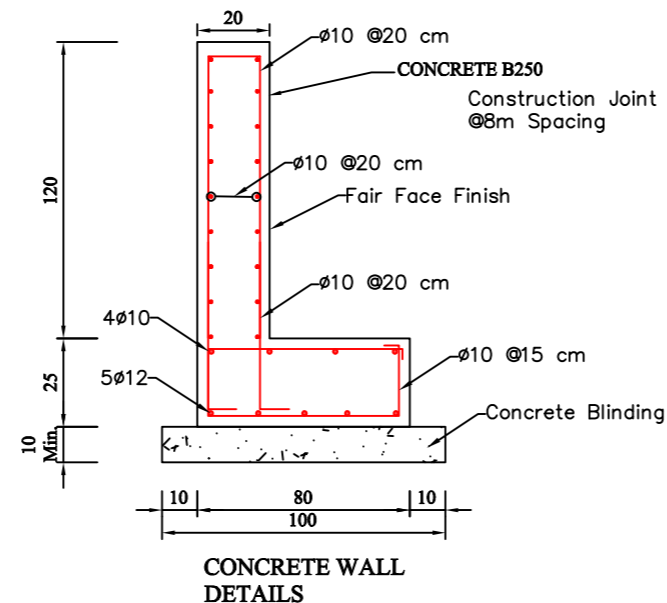
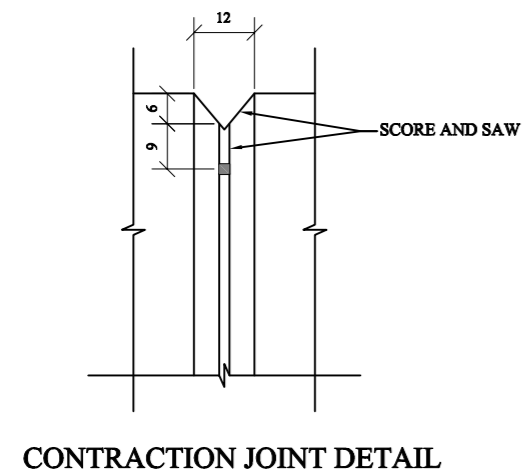
Palestine Polytechnic University

College of Engineering

Civil Engineering Department

Surveying & Geomatics Engineering

Design and Rehalitation
Zeif Road



NOTE :
-Contractor shall coordinate with supervisor engineer for the exact location of the new stone wall .
- Stone wall construction shall be measured by cubic meter. The unit price shall include excavation, backfilling, stone delivery, installation, concrete copping and any other works deemed to be necessary to complete the work

CONCRETE WALL ABOVE BOULDER DETAILS

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

CONCRETE & STONE WALL DETAILS

Date: May, 2024

Scale: N.T.S

Sheet No. D.12



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	30.66	0.00	0.00	0.00	0.00	0.00
0+020.00	14.11	0.02	447.68	0.24	447.68	0.24
0+040.00	1.50	2.49	156.68	24.97	604.37	25.21
0+100.00	0.00	8.68	42.78	337.75	647.15	362.96
0+120.00	0.16	6.76	1.65	154.25	648.80	517.20
0+140.00	0.00	11.53	1.63	182.86	650.43	700.07
0+150.00	0.00	10.27	0.00	109.03	650.43	809.09
0+160.00	0.08	10.67	0.40	105.39	650.83	914.48
0+180.00	0.00	14.64	0.83	253.06	651.66	1167.54
0+200.00	0.00	14.91	0.00	295.42	651.66	1462.96
0+220.00	0.00	10.62	0.00	255.30	651.66	1718.25
0+230.00	0.00	8.73	0.00	97.75	651.66	1816.00
0+240.00	0.50	2.83	2.24	59.24	653.90	1875.24
0+260.00	11.40	0.57	118.94	33.97	772.84	1909.21
0+280.00	32.85	0.80	440.61	13.80	1213.45	1923.01
0+300.00	11.77	0.41	446.24	12.14	1659.68	1935.15
0+320.00	13.65	0.00	254.26	4.11	1913.94	1939.26
0+340.00	16.42	0.00	300.76	0.00	2214.70	1939.26
0+360.00	18.52	0.00	349.43	0.00	2564.13	1939.26
0+370.00	17.39	0.00	179.54	0.00	2743.67	1939.26

GENERAL NOTES:
 1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:
CUT & FILL TABLE

Date: May. 2024

Scale: N.T.S **Sheet No.** T.1



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+380.00	13.84	0.00	156.32	0.00	2899.99	1939.26
0+400.00	12.10	0.00	259.38	0.00	3159.37	1939.26
0+420.00	11.55	0.00	236.47	0.00	3395.84	1939.26
0+440.00	12.11	0.00	236.61	0.00	3632.45	1939.26
0+460.00	10.56	0.00	226.78	0.00	3859.23	1939.26
0+480.00	9.14	0.00	197.05	0.00	4056.28	1939.26
0+500.00	9.40	0.00	185.73	0.00	4242.01	1939.26
0+520.00	10.56	0.00	200.92	0.00	4442.93	1939.26
0+540.00	10.75	0.00	213.36	0.00	4656.29	1939.26
0+560.00	8.70	0.06	194.48	0.58	4850.76	1939.84
0+580.00	9.36	0.00	180.65	0.58	5031.42	1940.43
0+600.00	10.09	0.00	194.49	0.00	5225.90	1940.43
0+620.00	11.19	0.00	212.72	0.00	5438.62	1940.43
0+640.00	11.02	0.00	221.95	0.00	5660.58	1940.43
0+660.00	11.93	0.00	229.48	0.00	5890.05	1940.43
0+680.00	10.96	0.00	228.90	0.00	6118.96	1940.43
0+700.00	11.88	0.00	228.41	0.00	6347.37	1940.43
0+720.00	13.08	0.00	249.57	0.00	6596.93	1940.43
0+740.00	13.06	0.00	261.37	0.00	6858.30	1940.43
0+760.00	13.07	0.00	261.28	0.00	7119.58	1940.43

GENERAL NOTES:
 1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
 5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:
CUT & FILL TABLE

Date: May. 2024

Scale: N.T.S **Sheet No.** T.2



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+780.00	12.65	0.00	257.13	0.00	7376.72	1940.43
0+800.00	10.91	0.00	235.58	0.00	7612.30	1940.43
0+820.00	7.98	0.00	188.90	0.00	7801.20	1940.43
0+840.00	9.35	0.35	173.24	3.54	7974.43	1943.97
0+860.00	7.65	0.55	169.98	9.03	8144.41	1953.00
0+880.00	6.79	0.09	144.47	6.42	8288.89	1959.41
0+900.00	8.17	0.28	149.68	3.69	8438.57	1963.10
0+920.00	8.67	0.00	168.46	2.76	8607.03	1965.86
0+940.00	10.32	0.00	189.93	0.00	8796.96	1965.86
0+960.00	11.85	0.00	221.72	0.00	9018.69	1965.86
0+980.00	11.65	0.00	235.04	0.00	9253.73	1965.86
1+000.00	11.88	0.00	235.33	0.00	9489.05	1965.86
1+020.00	9.73	0.00	216.09	0.00	9705.14	1965.86
1+040.00	8.88	0.00	186.11	0.00	9891.25	1965.86
1+070.00	10.42	0.00	289.88	0.00	10181.13	1965.86
1+080.00	10.22	0.00	103.18	0.00	10284.31	1965.86
1+100.00	8.79	0.53	190.06	5.33	10474.37	1971.19
1+120.00	6.67	1.44	154.61	19.69	10628.98	1990.88
1+140.00	8.67	0.07	153.37	15.02	10782.35	2005.90
1+160.00	9.72	0.00	185.20	0.63	10967.55	2006.54

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

CUT & FILL TABLE

Date: May. 2024

Scale: N.T.S

Sheet No. T.3



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+170.00	10.20	0.00	100.17	0.00	11067.72	2006.54
1+180.00	10.41	0.00	104.49	0.00	11172.21	2006.54
1+210.00	11.43	0.21	330.22	3.01	11502.42	2009.55
1+240.00	9.19	0.25	309.17	6.96	11811.59	2016.51
1+250.00	9.40	0.00	93.32	1.22	11904.91	2017.73
1+260.00	7.40	0.03	84.64	0.13	11989.55	2017.86
1+280.00	5.05	4.35	124.46	43.81	12114.02	2061.67
1+300.00	7.42	0.00	125.30	42.81	12239.32	2104.48
1+320.00	10.75	0.00	181.68	0.00	12421.00	2104.48
1+340.00	13.25	0.00	240.04	0.00	12661.04	2104.48
1+360.00	11.60	0.00	248.42	0.00	12909.46	2104.48
1+380.00	10.74	0.00	223.39	0.00	13132.84	2104.48

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

CUT & FILL TABLE

Date: May. 2024

Scale: N.T.S

Sheet No. T.4



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

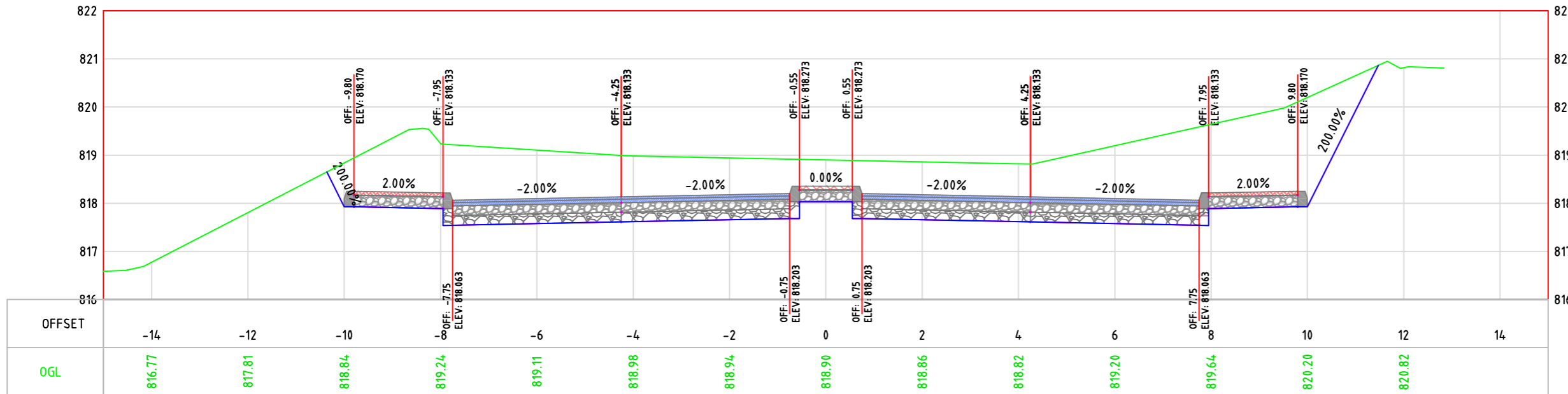
Drawing Title:
CROSS SECTION

Date: May, 2024

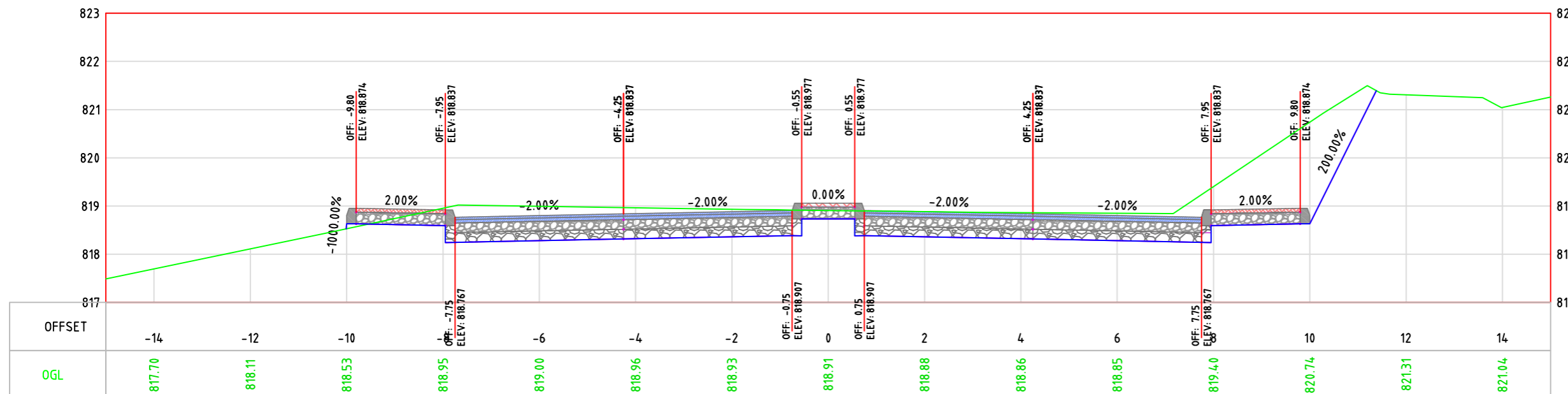
Scale: 1:100

Sheet No. S.1

0+000.00



0+020.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

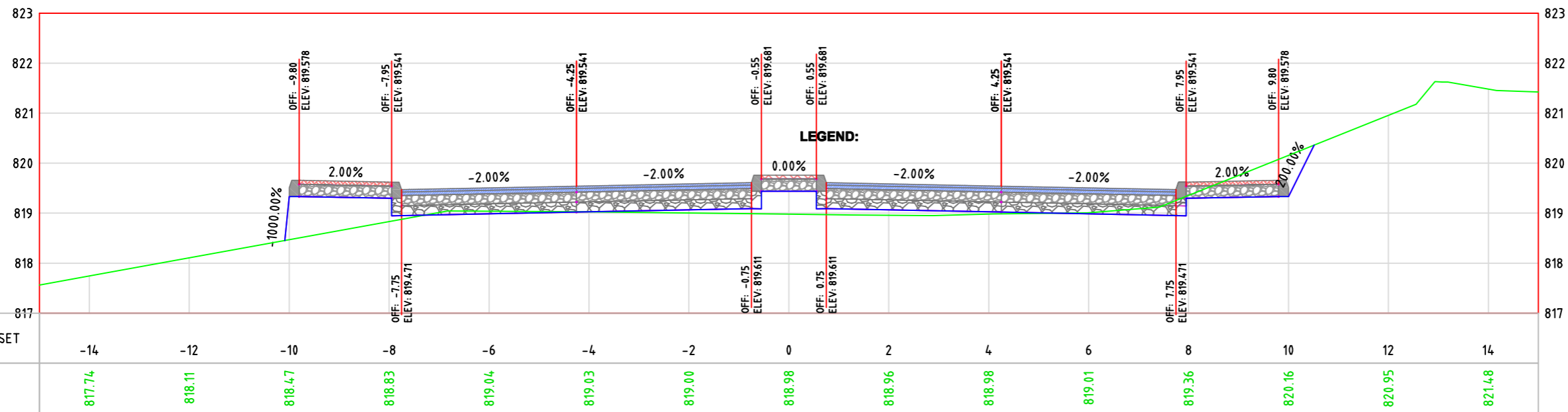
CROSS SECTION

Date: May, 2024

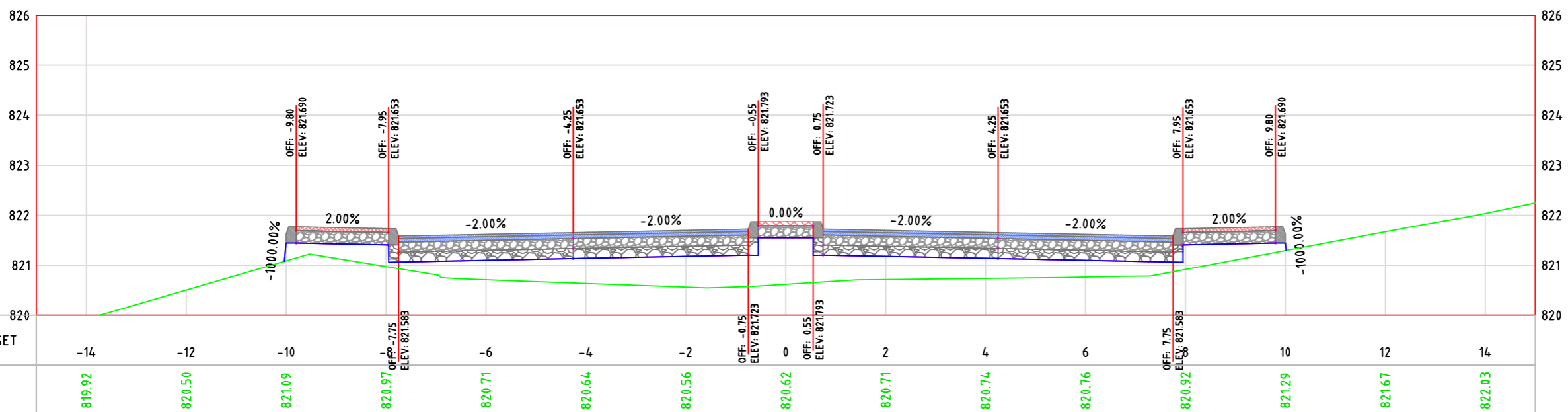
Scale: 1:100

Sheet No. S.2

0+040.00



0+100.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

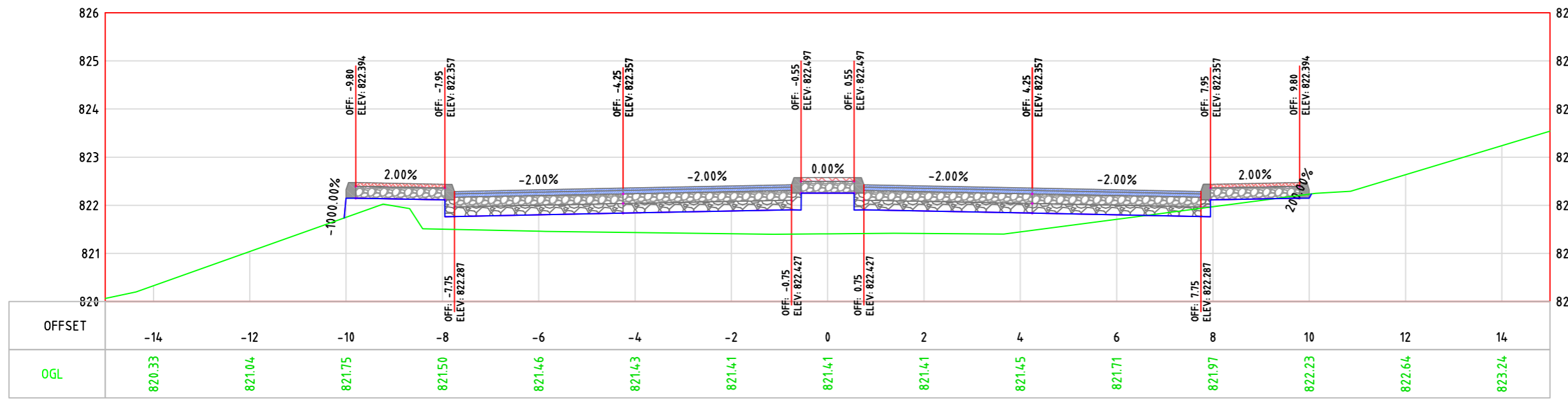
Drawing Title:
 CROSS SECTION

Date: May, 2024

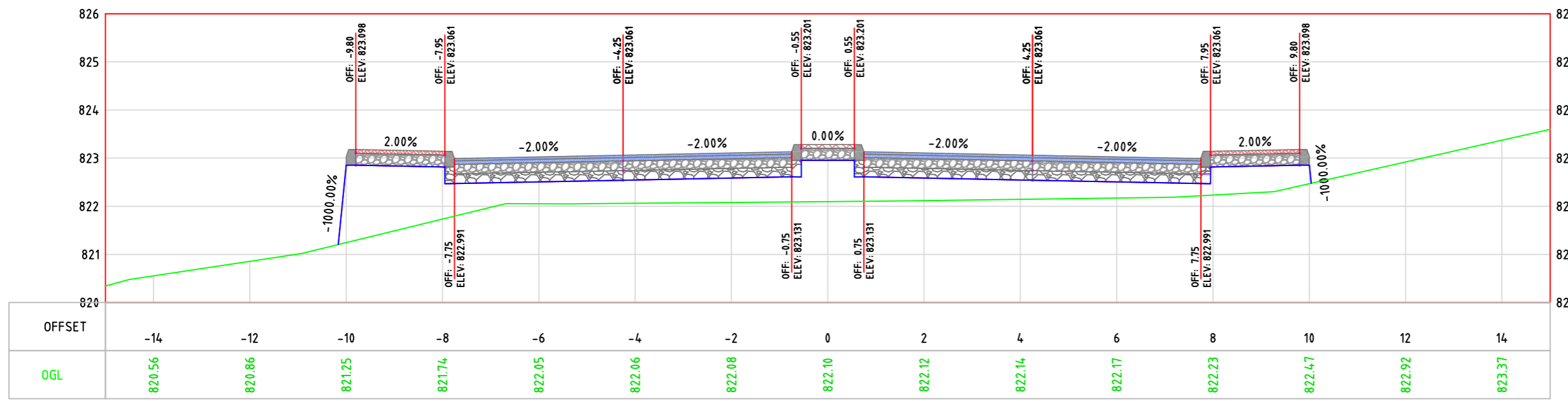
Scale: 1:100

Sheet No. S.3

0+120.00



0+140.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

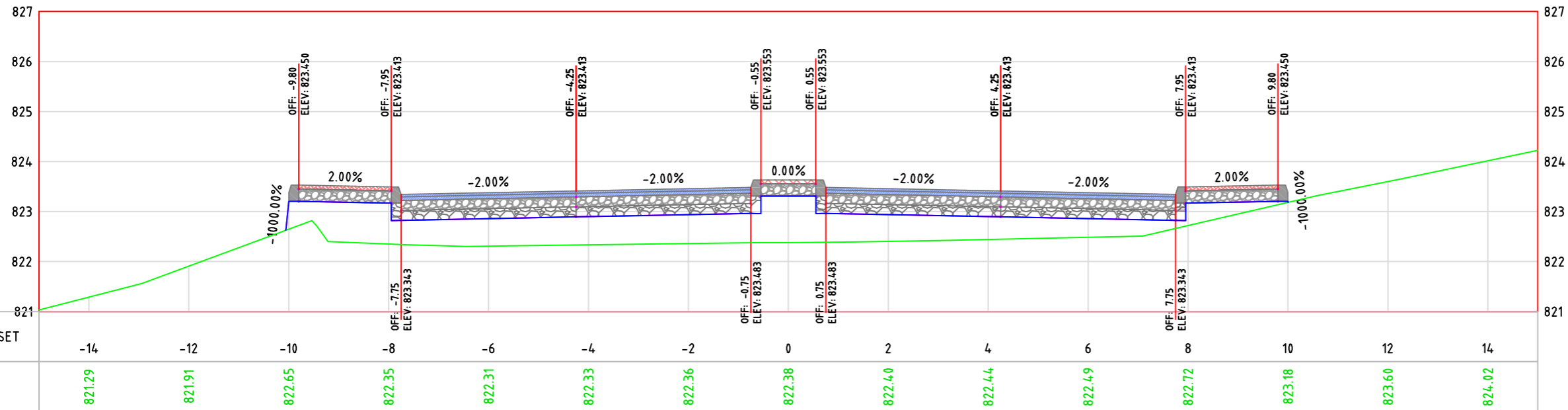
Drawing Title:
 CROSS SECTION

Date: May, 2024

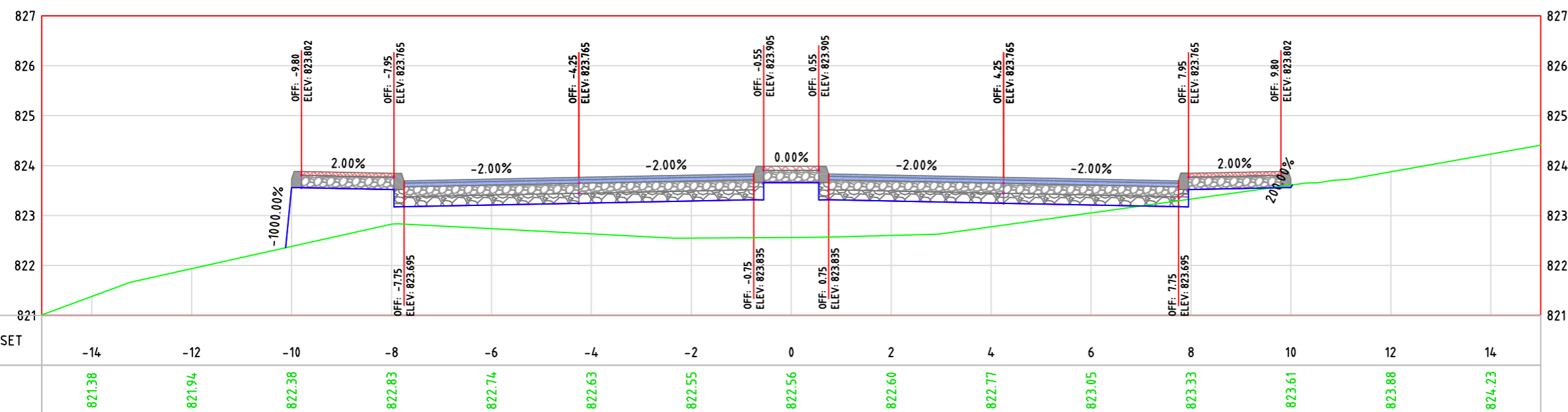
Scale: 1:100

Sheet No. S.4

0+150.00



0+160.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

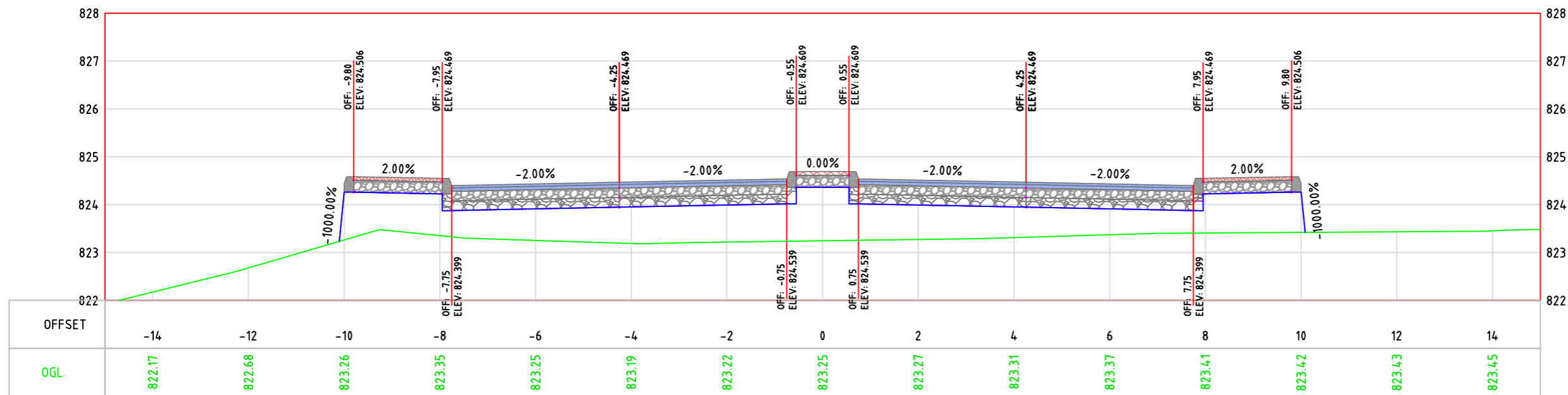
Drawing Title:
 CROSS SECTION

Date: May, 2024

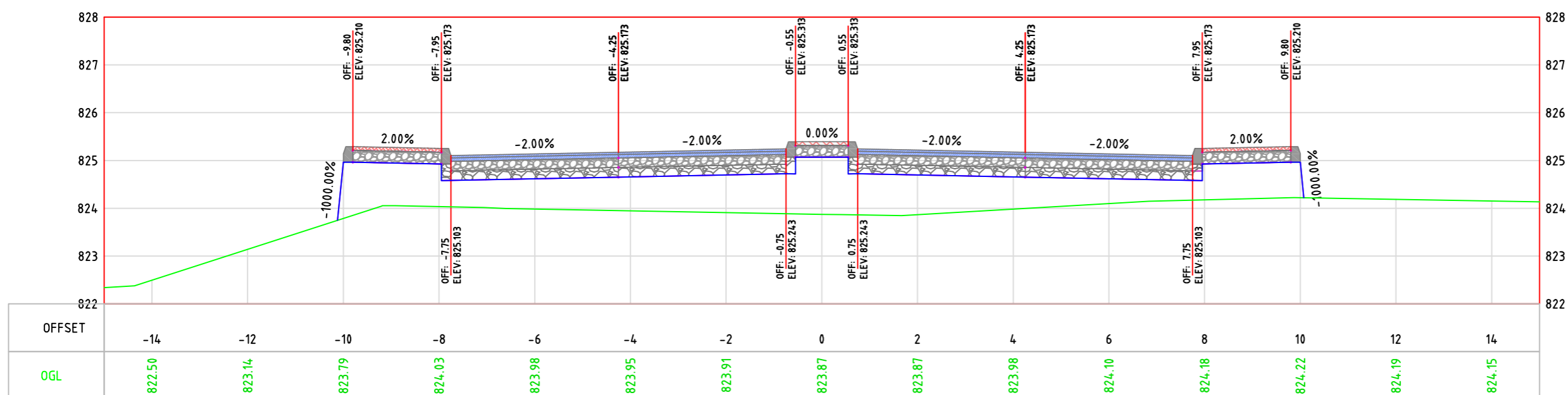
Scale: 1:100

Sheet No. S.5

0+180.00



0+200.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

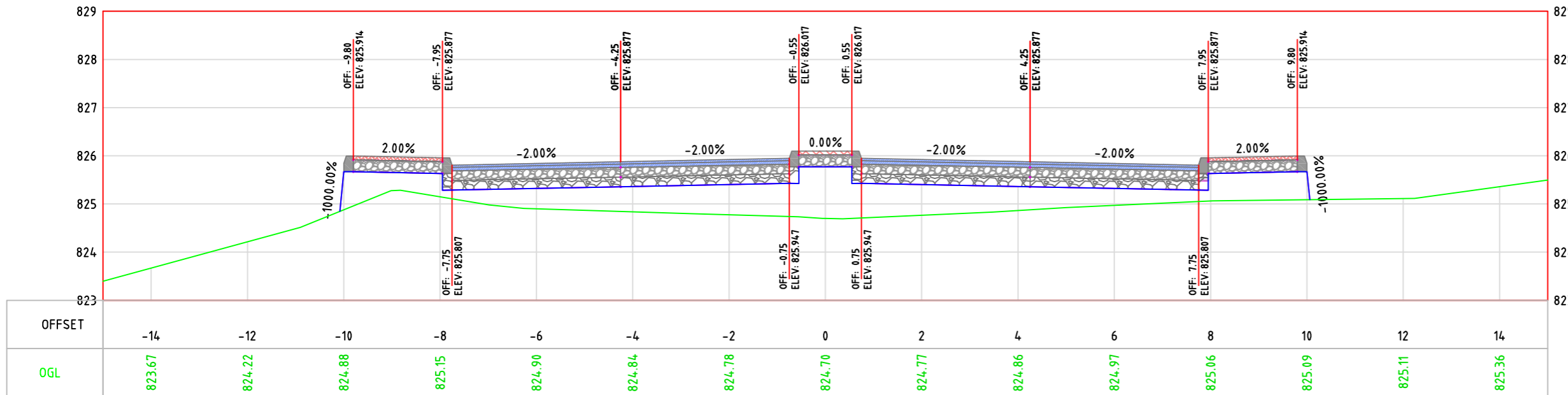
Drawing Title:
 CROSS SECTION

Date: May, 2024

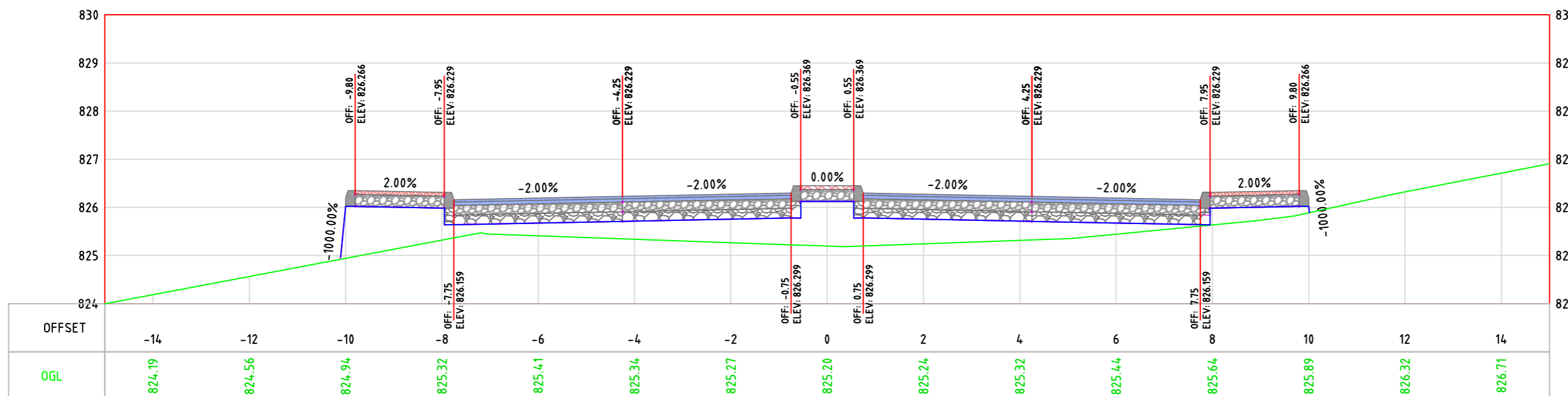
Scale: 1:100

Sheet No. S.6

0+220.00



0+230.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

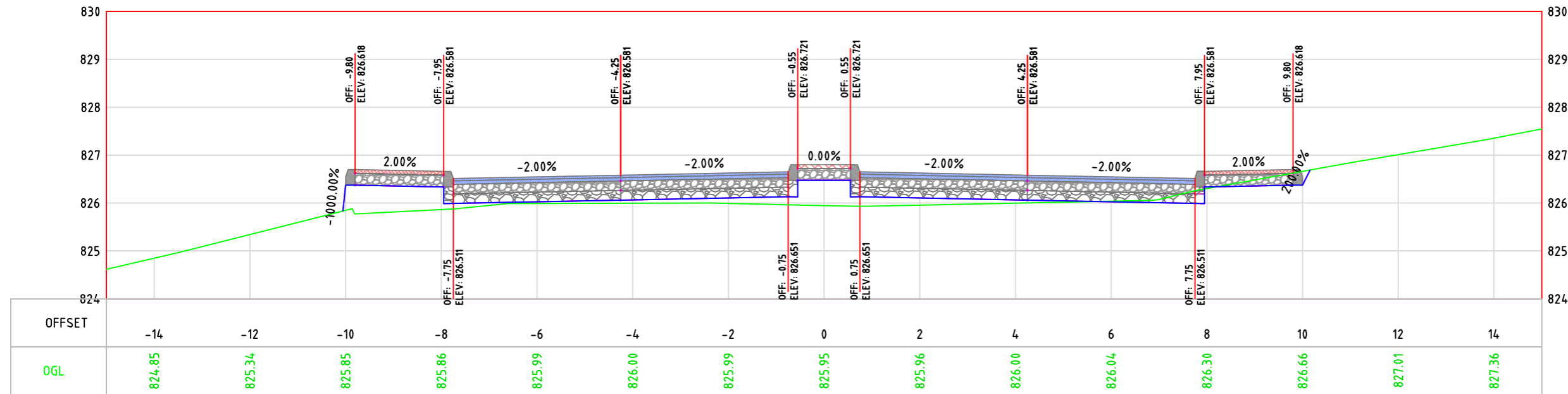
Drawing Title:
 CROSS SECTION

Date: May, 2024

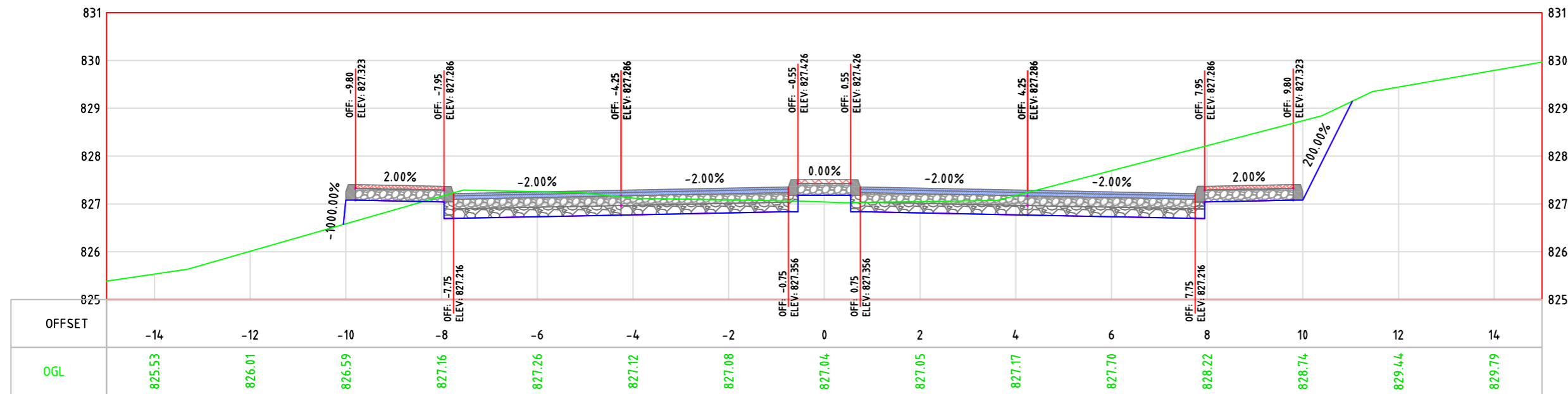
Scale: 1:100

Sheet No. S.7

0+240.00



0+260.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

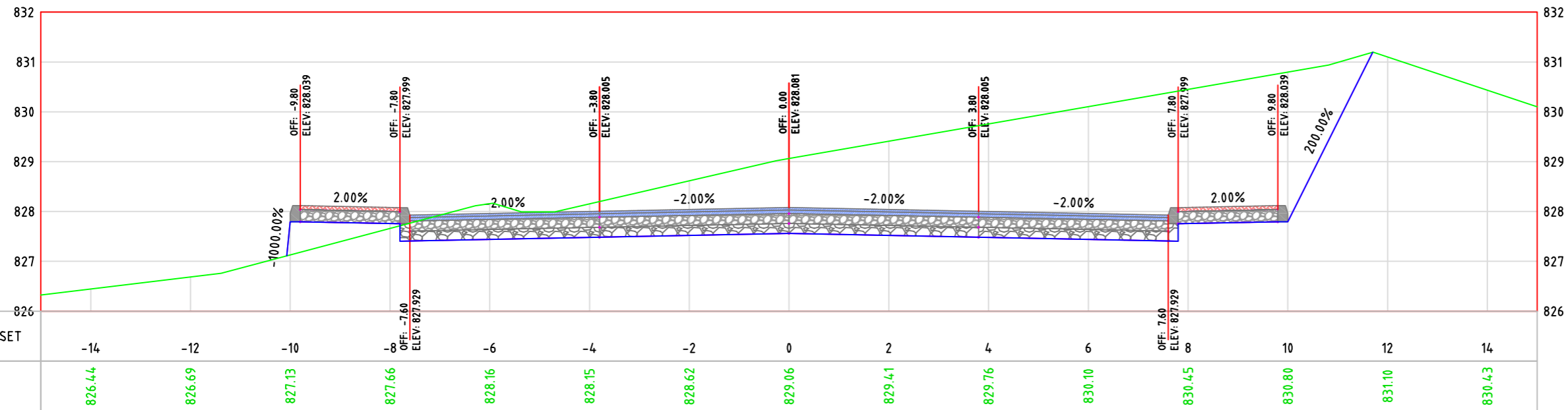
Drawing Title:
 CROSS SECTION

Date: May, 2024

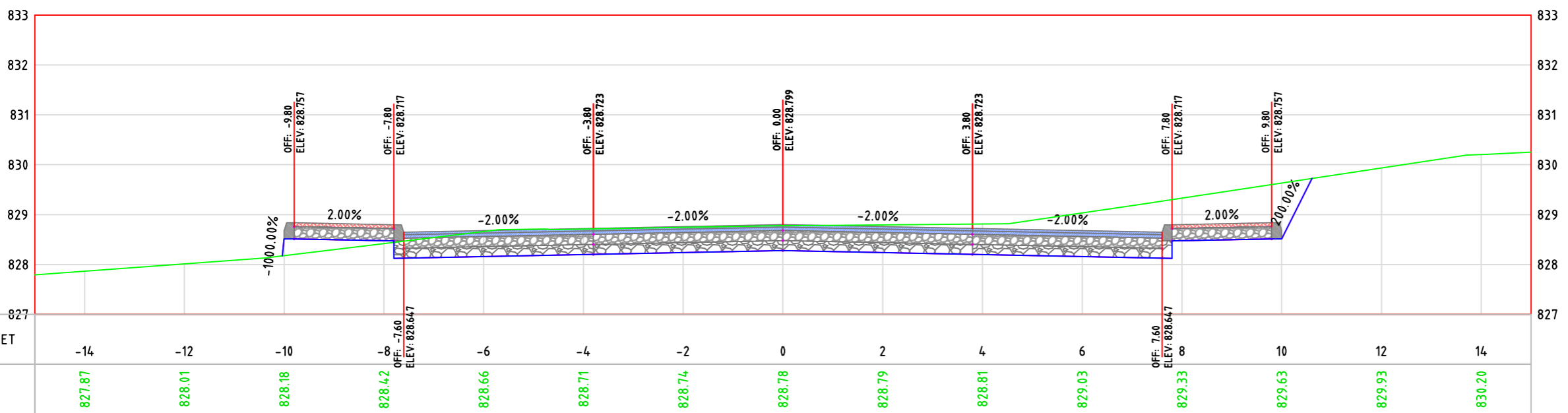
Scale: 1:100

Sheet No. S.8

0+280.00



0+300.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

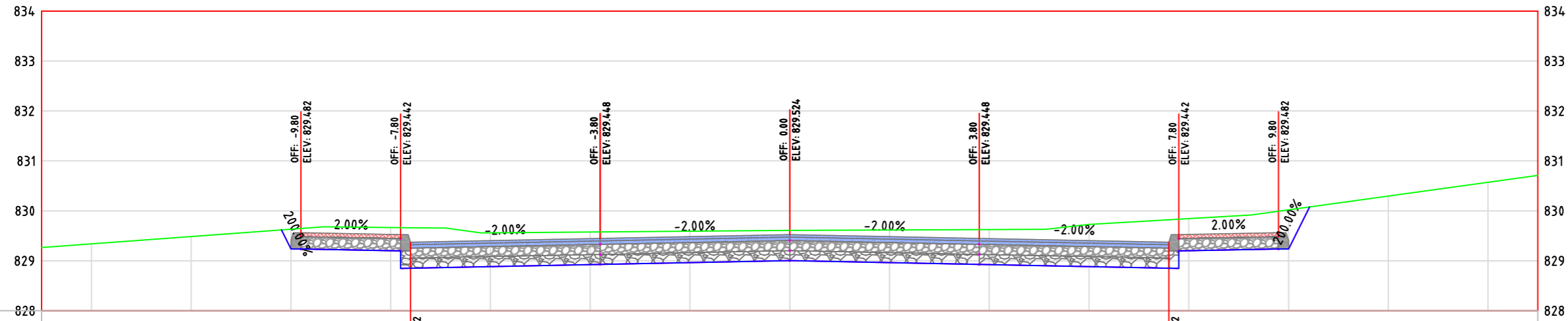
Drawing Title:
 CROSS SECTION

Date: May, 2024

Scale: 1:100

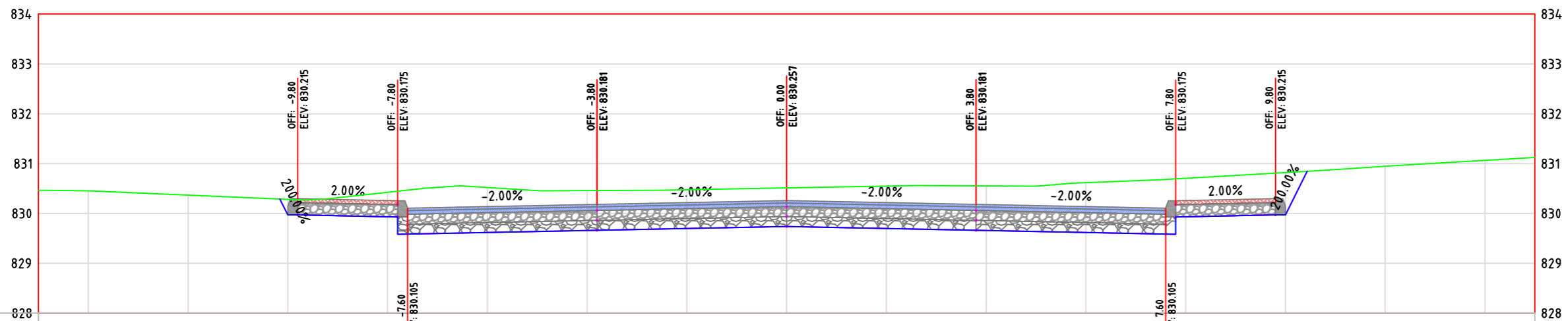
Sheet No. S.9

0+320.00



OFFSET	-14	-12	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14
OGL	829.34	829.49	829.63	829.67	829.56	829.58	829.59	829.61	829.62	829.63	829.73	829.84	830.02	830.29	830.57

0+340.00



OFFSET	-14	-12	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14
OGL	830.45	830.37	830.28	830.42	830.52	830.46	830.48	830.51	830.55	830.55	830.62	830.71	830.82	830.95	831.07



LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

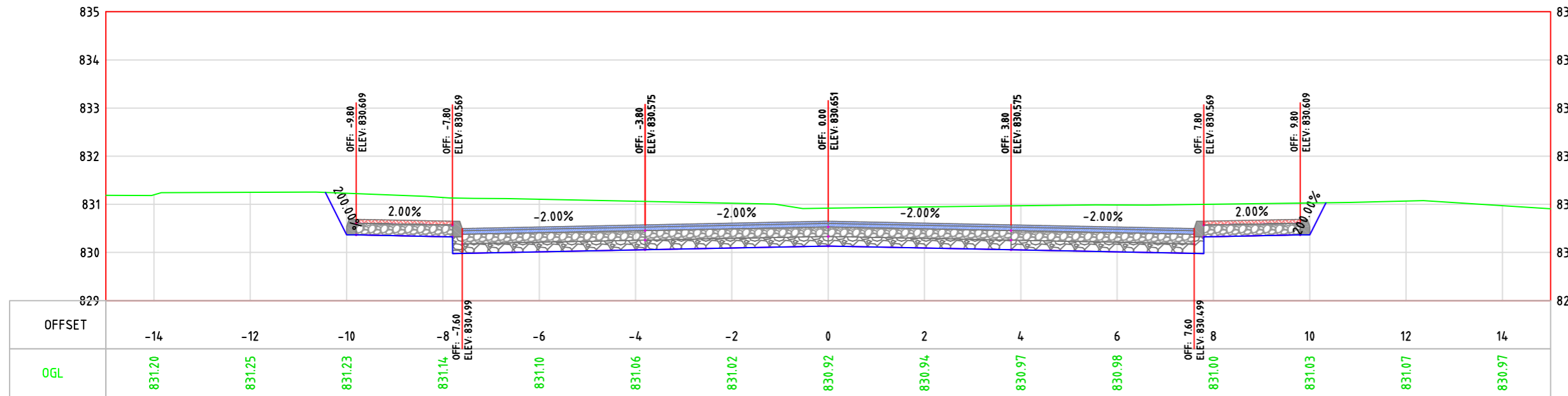
Drawing Title:
 CROSS SECTION

Date: May, 2024

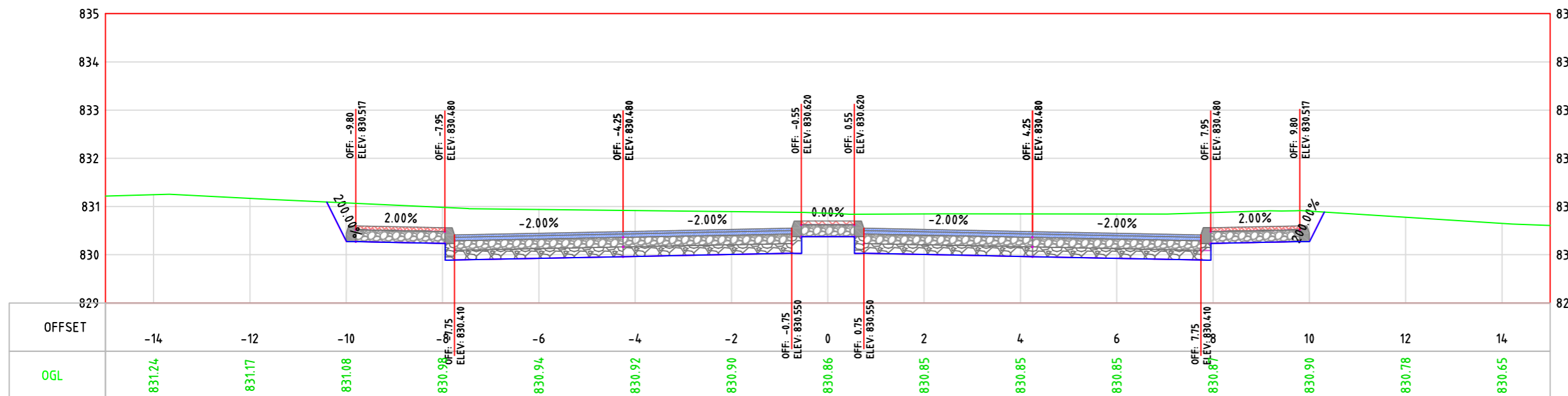
Scale: 1:100

Sheet No.
 S.10

0+360.00



0+370.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

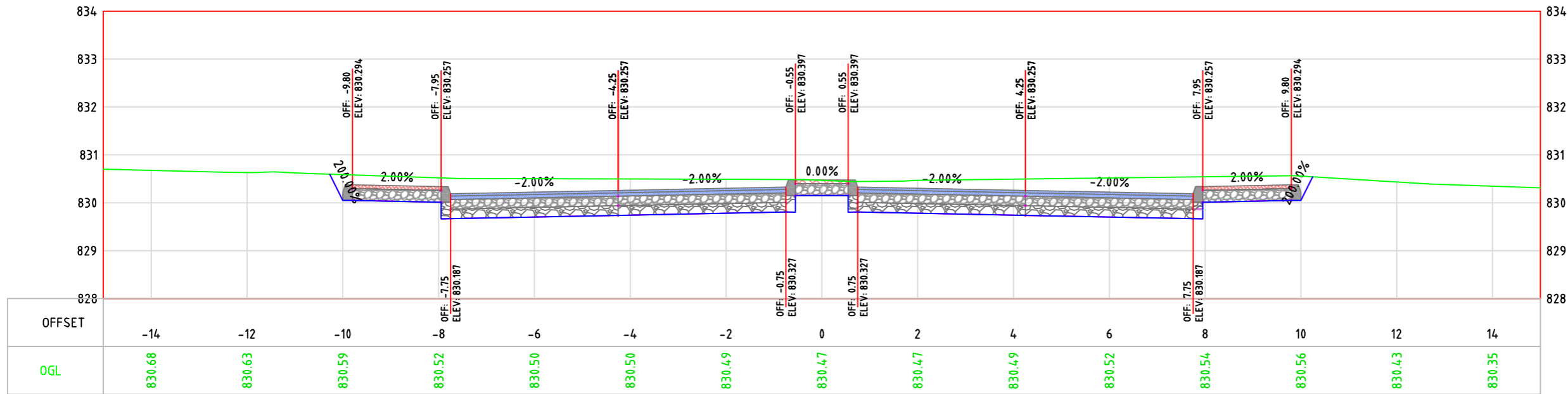
Drawing Title:
 CROSS SECTION

Date: May, 2024

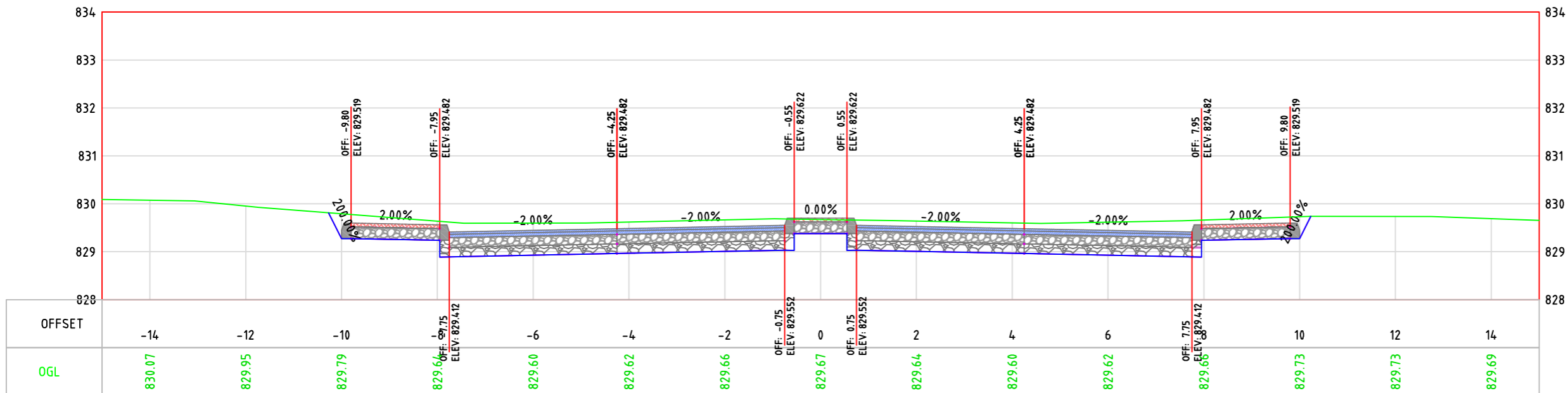
Scale: 1:100

Sheet No.
 S.11

0+380.00



0+400.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

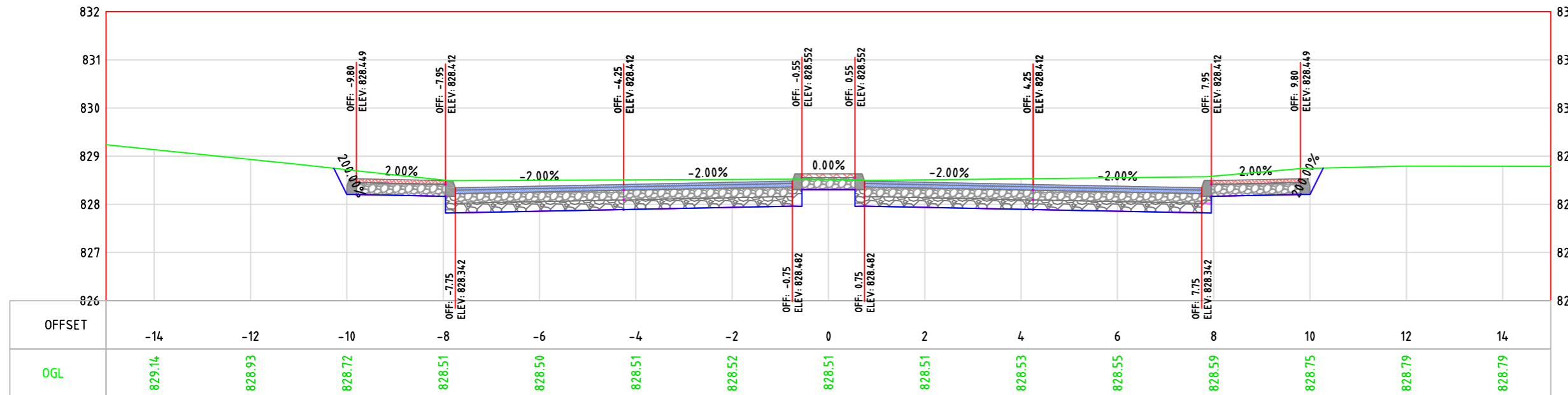
Drawing Title:
 CROSS SECTION

Date: May, 2024

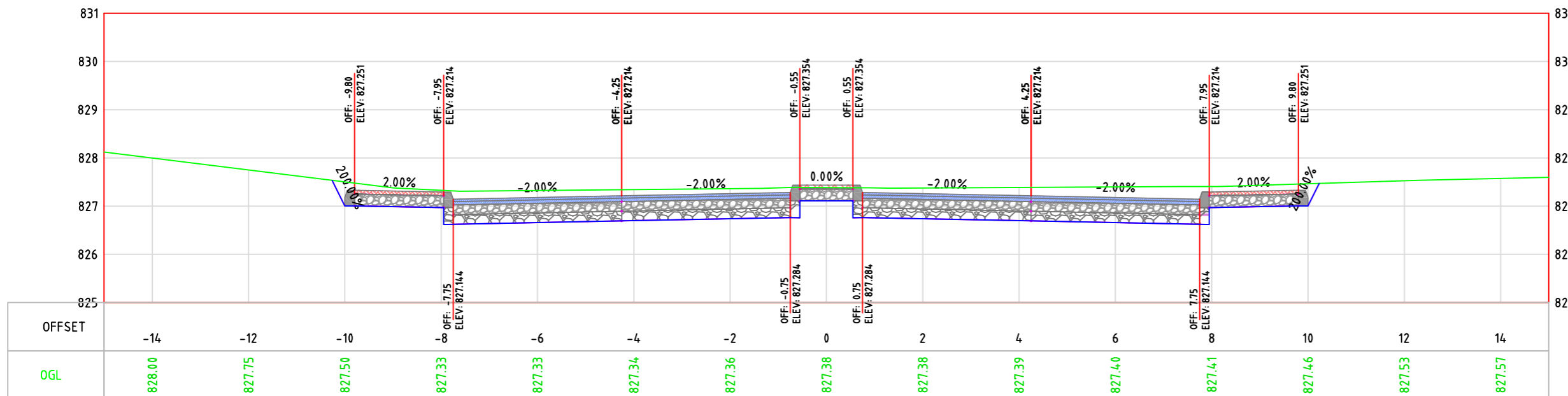
Scale: 1:100

Sheet No.
 S.12

0+420.00



0+440.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

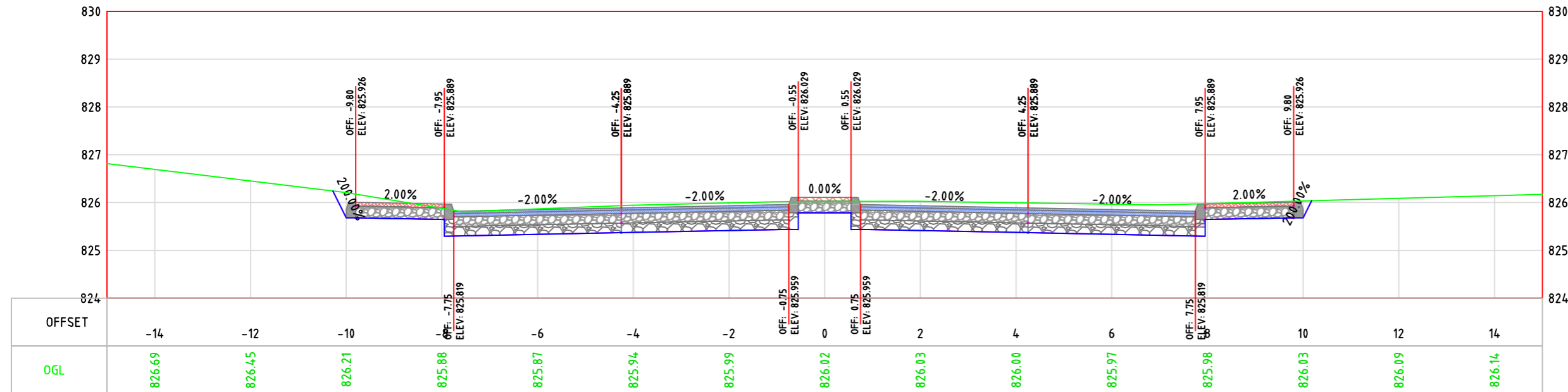
Drawing Title:
 CROSS SECTION

Date: May, 2024

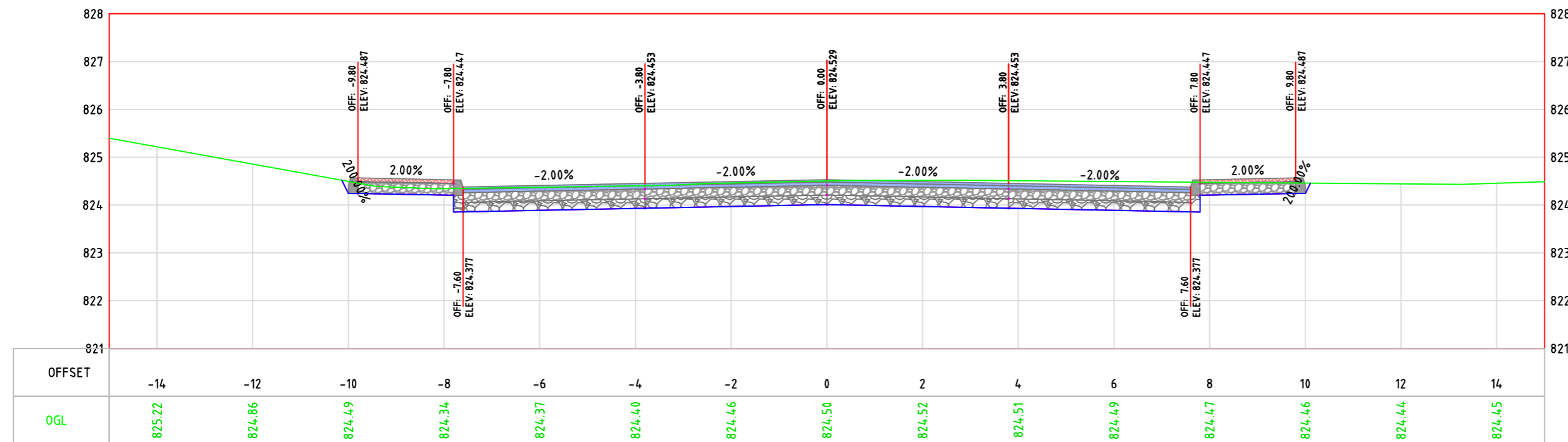
Scale: 1:100

Sheet No.
 S.13

0+460.00



0+480.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

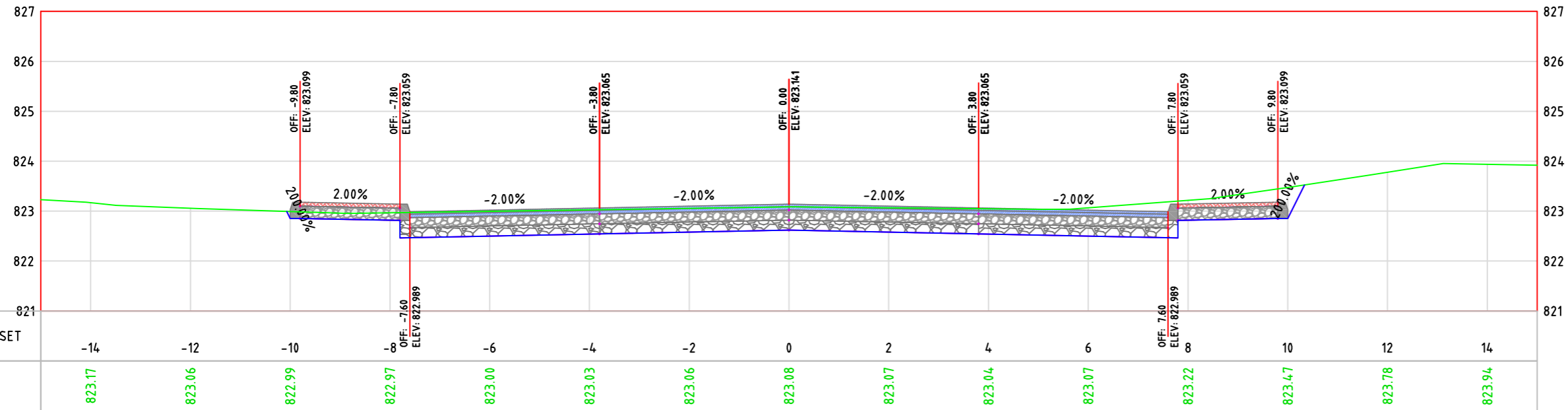
Drawing Title:
 CROSS SECTION

Date: May, 2024

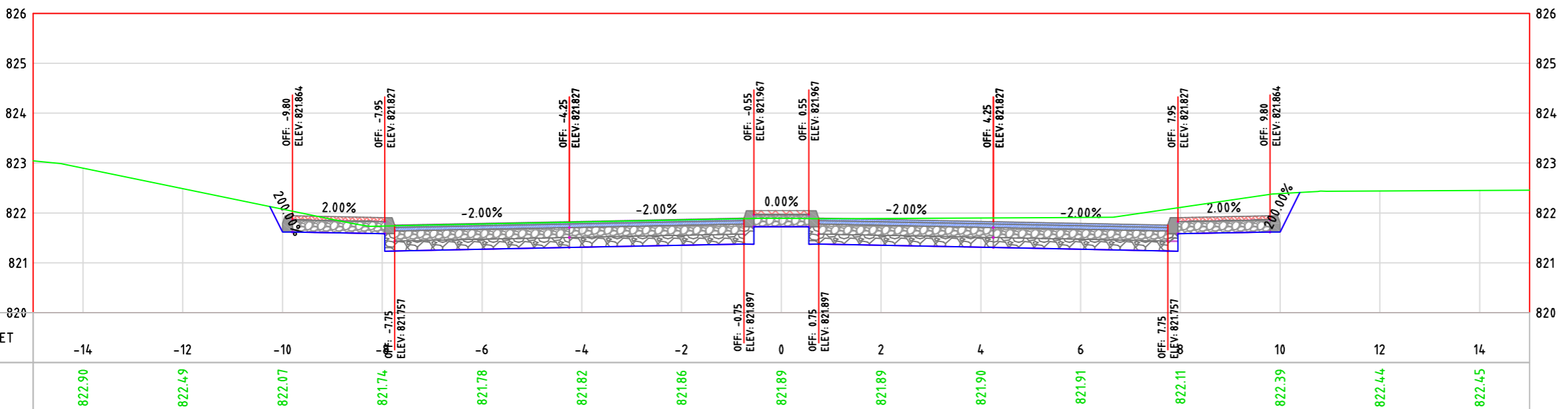
Scale: 1:100

Sheet No. S.14

0+500.00



0+520.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

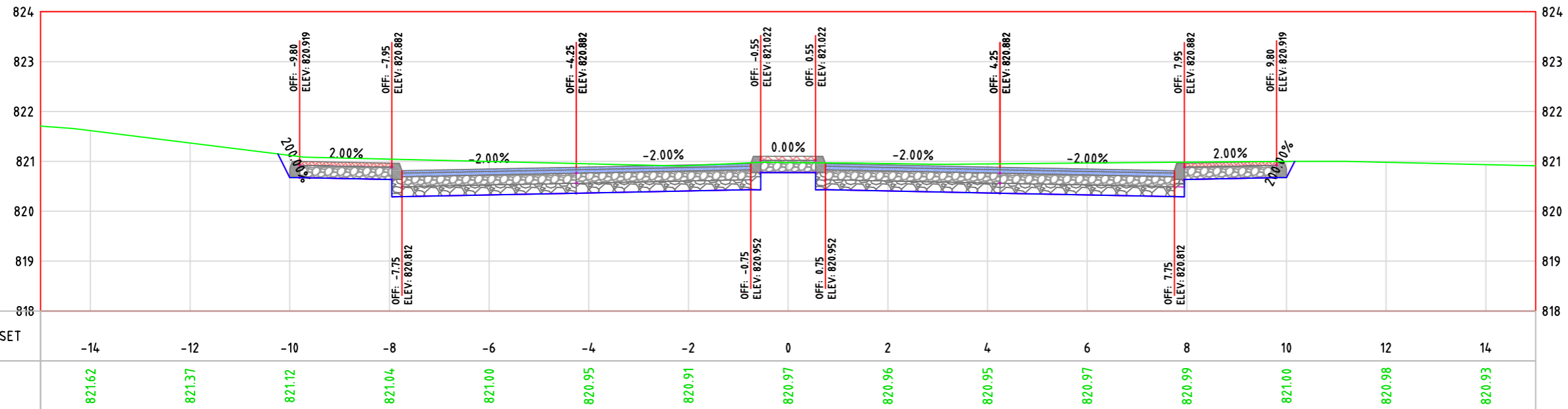
Drawing Title:
 CROSS SECTION

Date: May, 2024

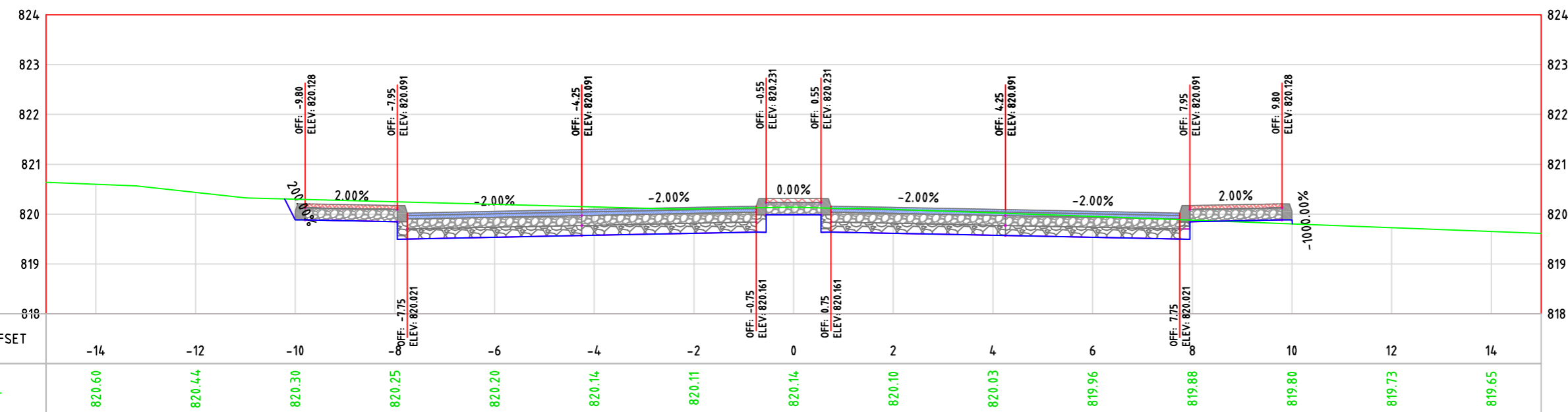
Scale: 1:100

Sheet No.
 S.15

0+540.00



0+560.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

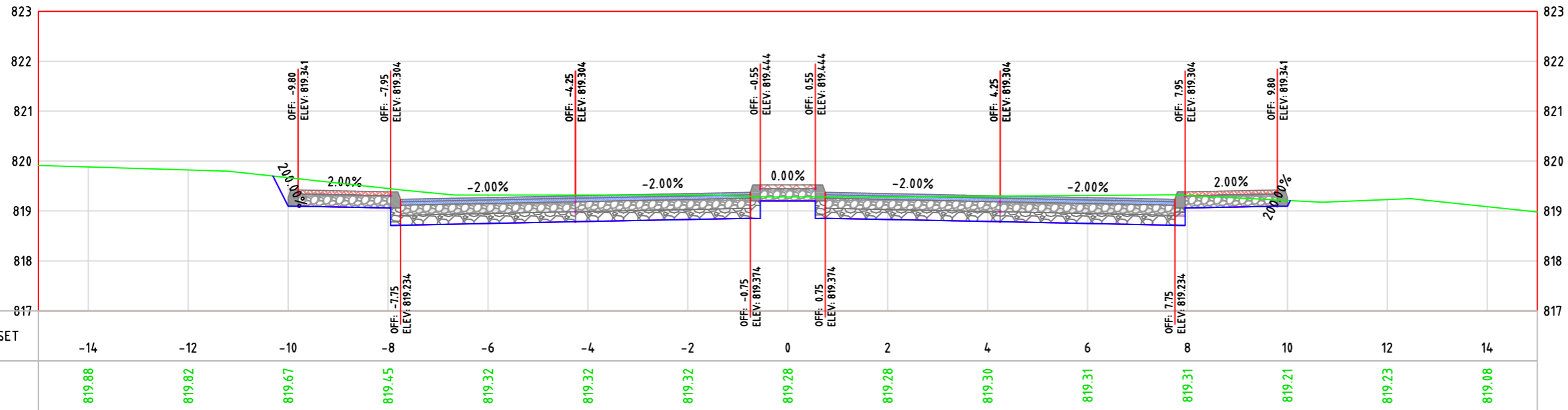
Drawing Title:
CROSS SECTION

Date: May, 2024

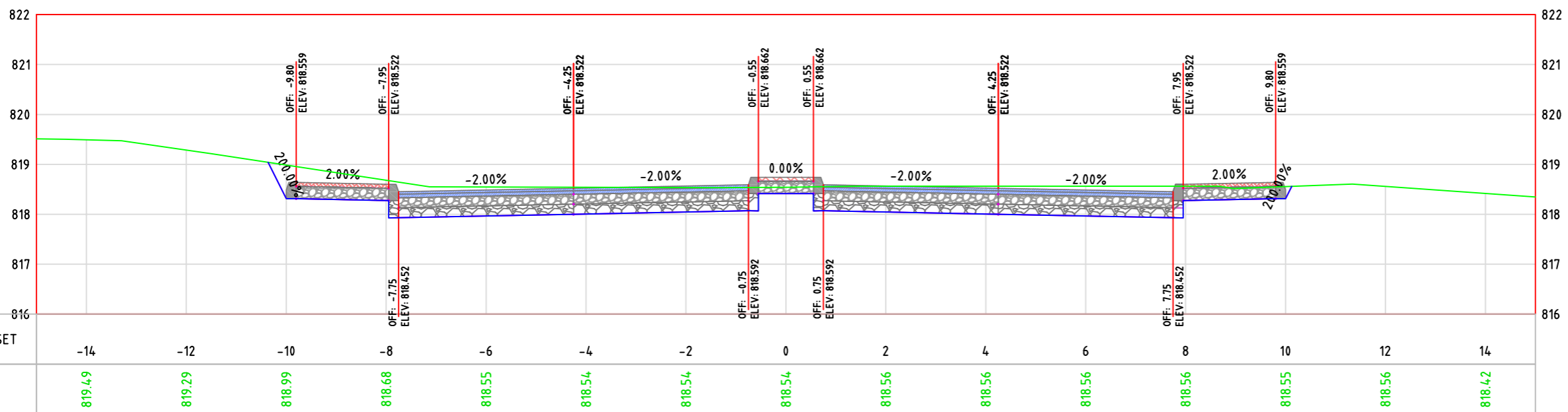
Scale:
 1:100

Sheet No.
S.16

0+580.00



0+600.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

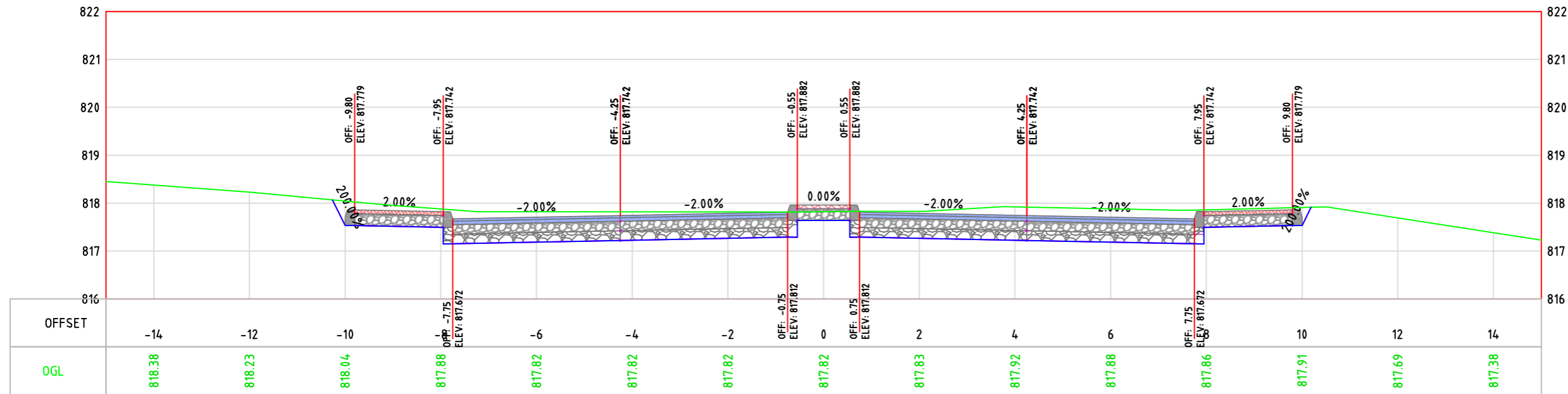
Drawing Title:
 CROSS SECTION

Date: May, 2024

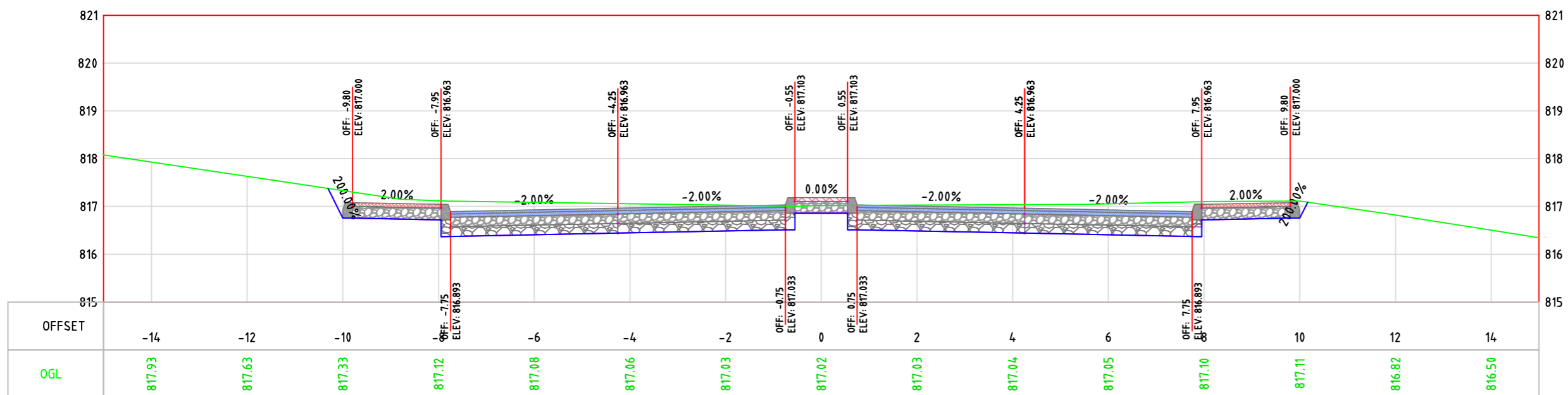
Scale: 1:100

Sheet No.
 S.17

0+620.00



0+640.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

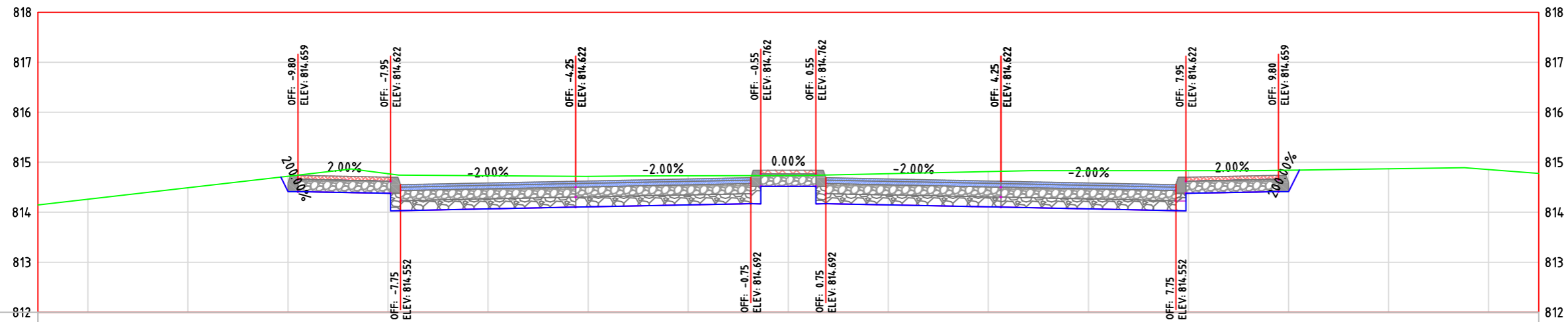
Drawing Title:
 CROSS SECTION

Date: May, 2024

Scale: 1:100

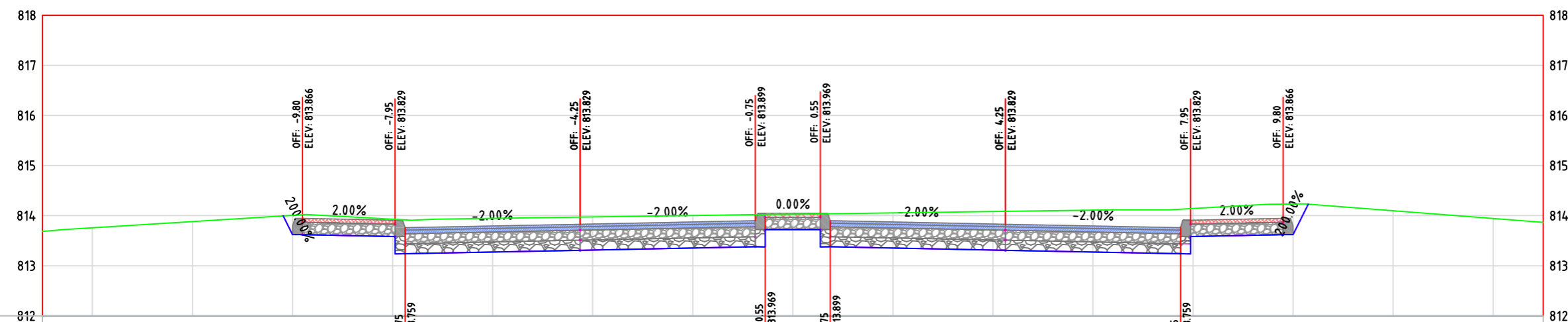
Sheet No.
 S.19

0+700.00



OFFSET	-14	-12	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14
OGL	814.26	814.49	814.72	814.77	814.73	814.72	814.73	814.73	814.77	814.81	814.83	814.83	814.84	814.87	814.85

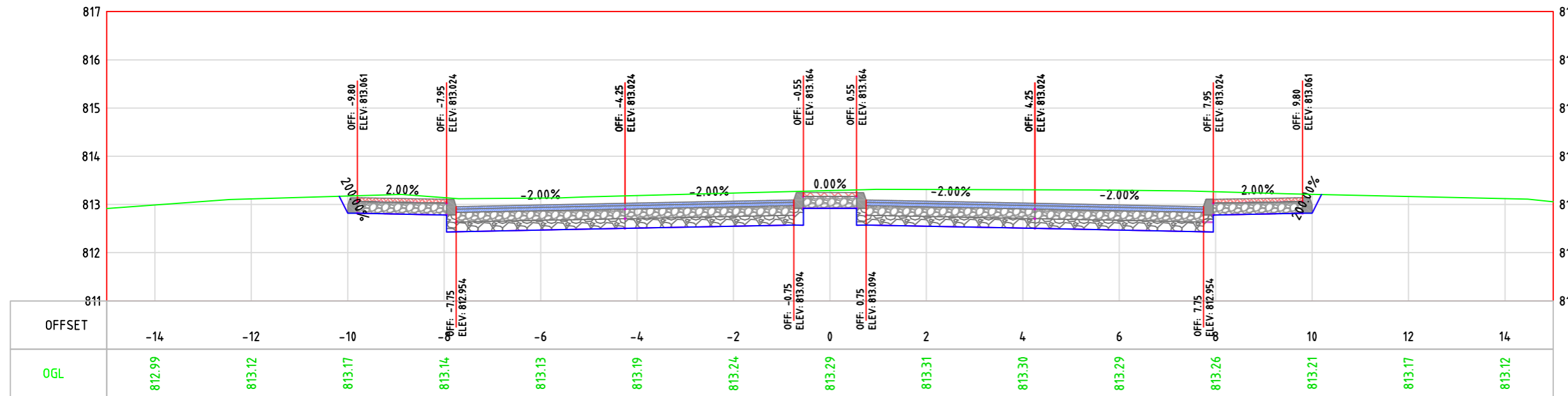
0+720.00



OFFSET	-14	-12	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14
OGL	813.76	813.88	814.01	813.93	813.95	813.97	814.00	814.03	814.06	814.08	814.11	814.14	814.23	814.10	813.94



0+740.00



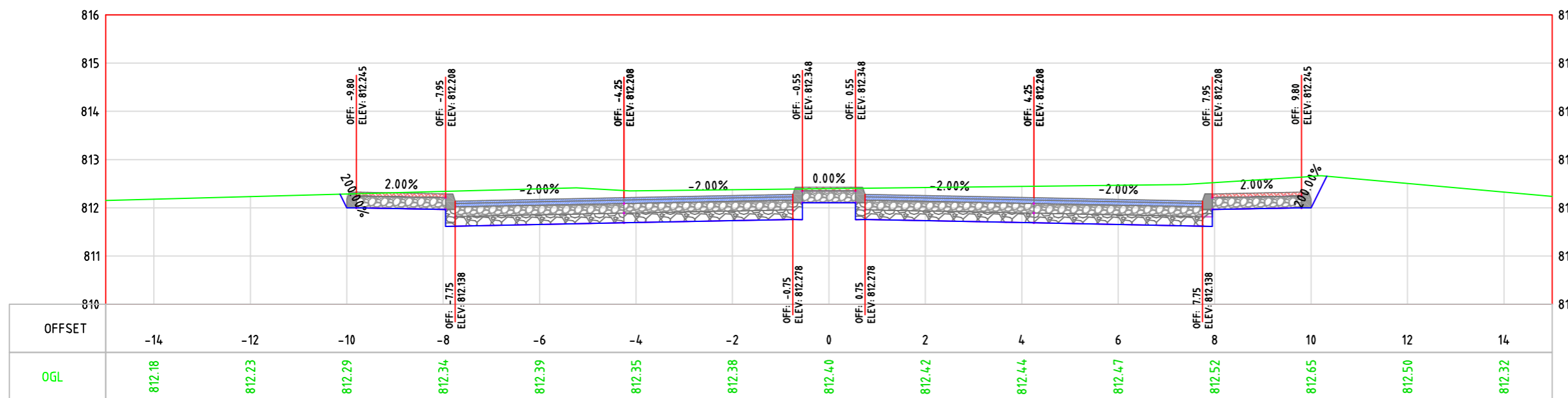
LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

0+760.00



SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hassassnah
 Adham Ibhais

Drawing Title:
 CROSS SECTION

Date: May, 2024

Scale: 1:100

Sheet No. S.20



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

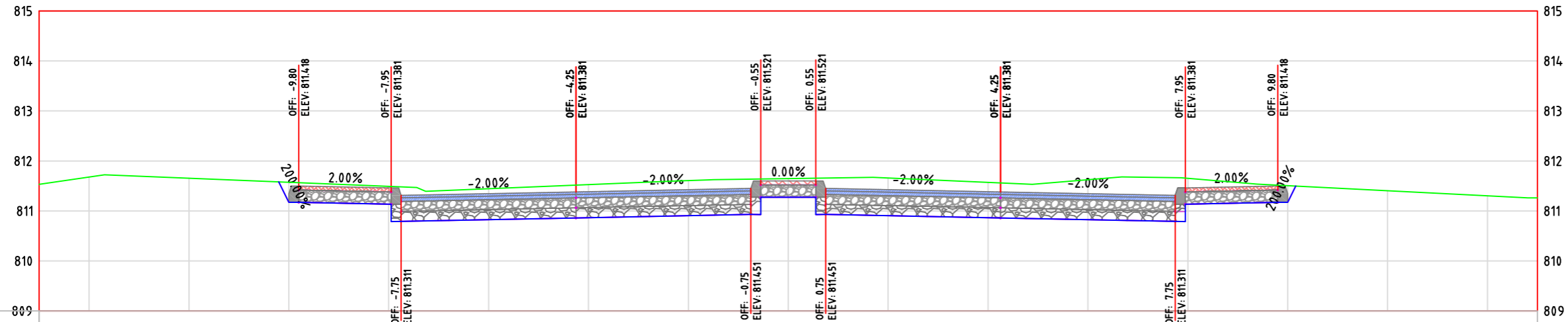
Drawing Title:
CROSS SECTION

Date: May, 2024

Scale: 1:100

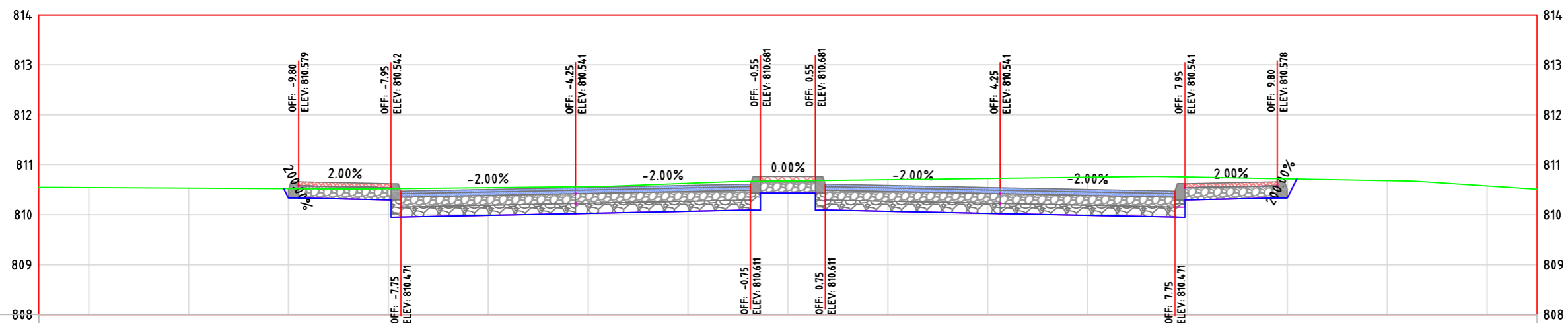
Sheet No. **S.21**

0+780.00



OFFSET	-14	-12	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14
OGL	811.68	811.65	811.57	811.49	811.45	811.53	811.61	811.65	811.66	811.57	811.62	811.65	811.51	811.40	811.30

0+800.00



OFFSET	-14	-12	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14
OGL	810.54	810.53	810.52	810.52	810.54	810.56	810.63	810.68	810.70	810.72	810.75	810.75	810.72	810.68	810.58



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

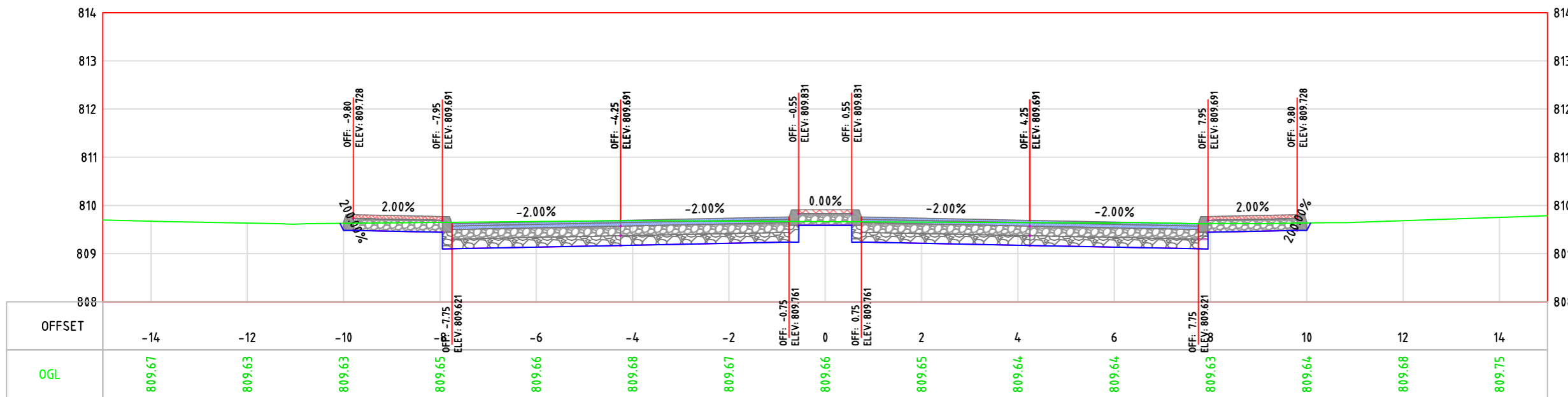
Drawing Title:
 CROSS SECTION

Date: May, 2024

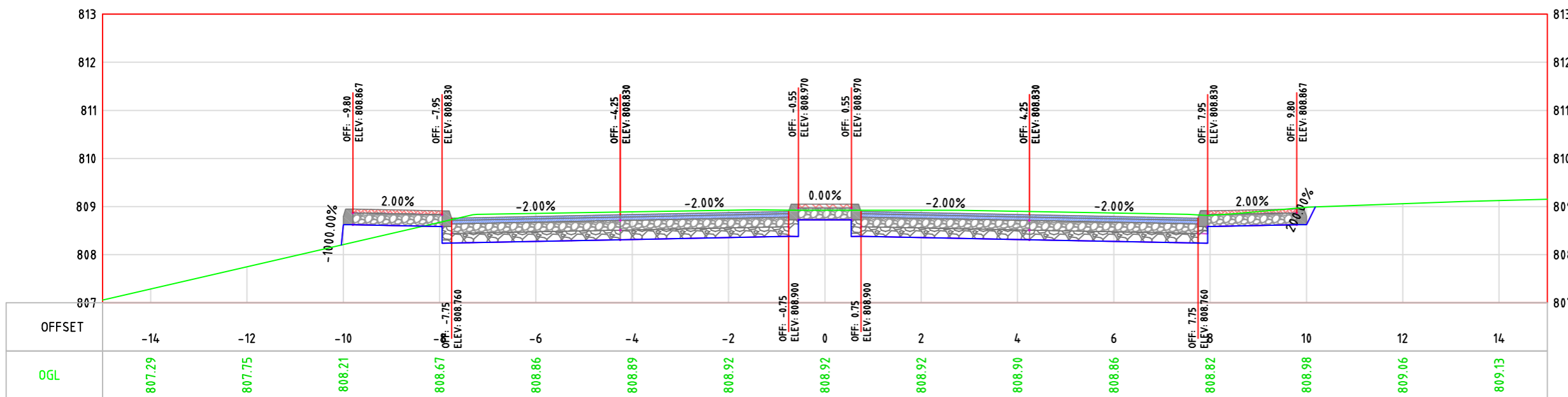
Scale: 1:100

Sheet No. S.22

0+820.00



0+840.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

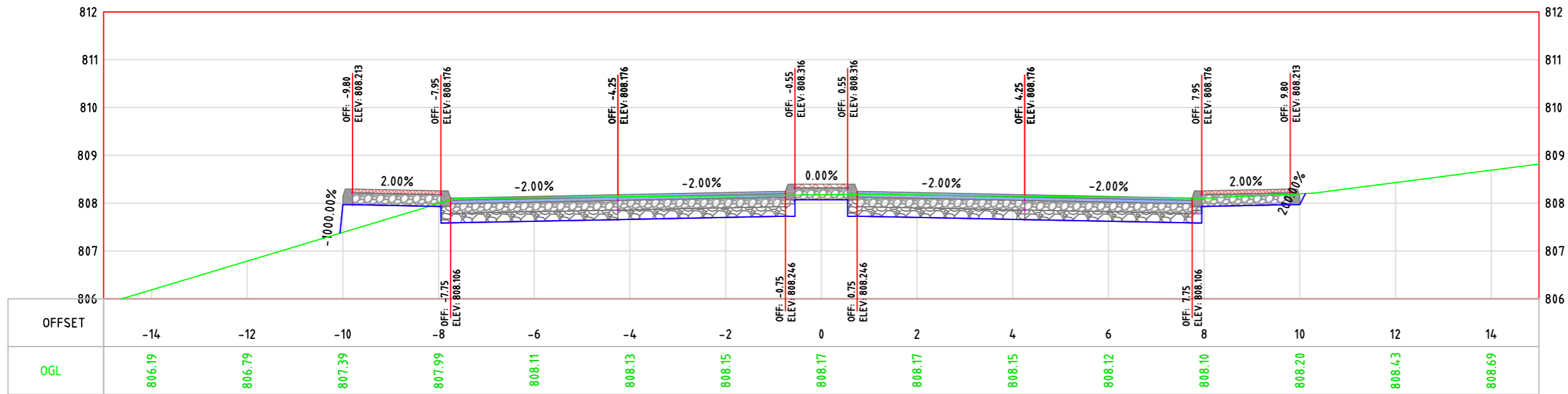
Drawing Title:
CROSS SECTION

Date: May, 2024

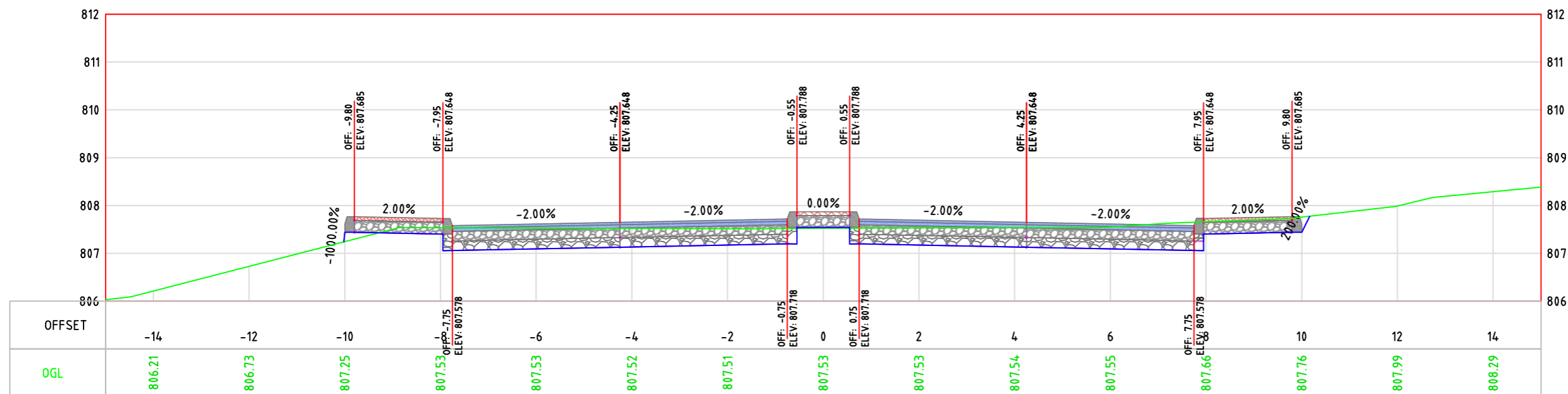
Scale:
 1:100

Sheet No.
S.23

0+860.00



0+880.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

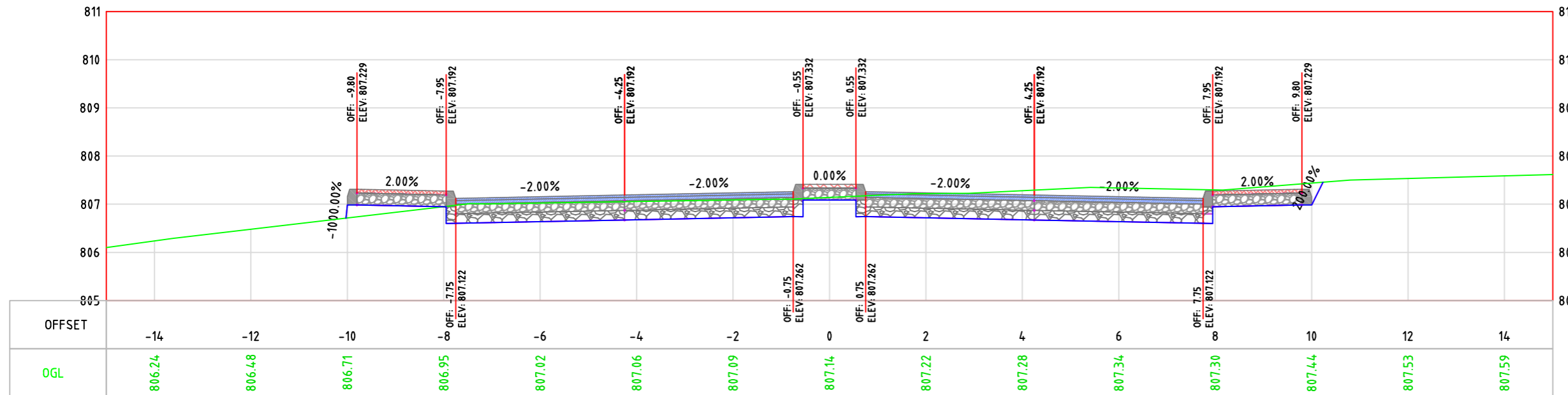
Drawing Title:
 CROSS SECTION

Date: May, 2024

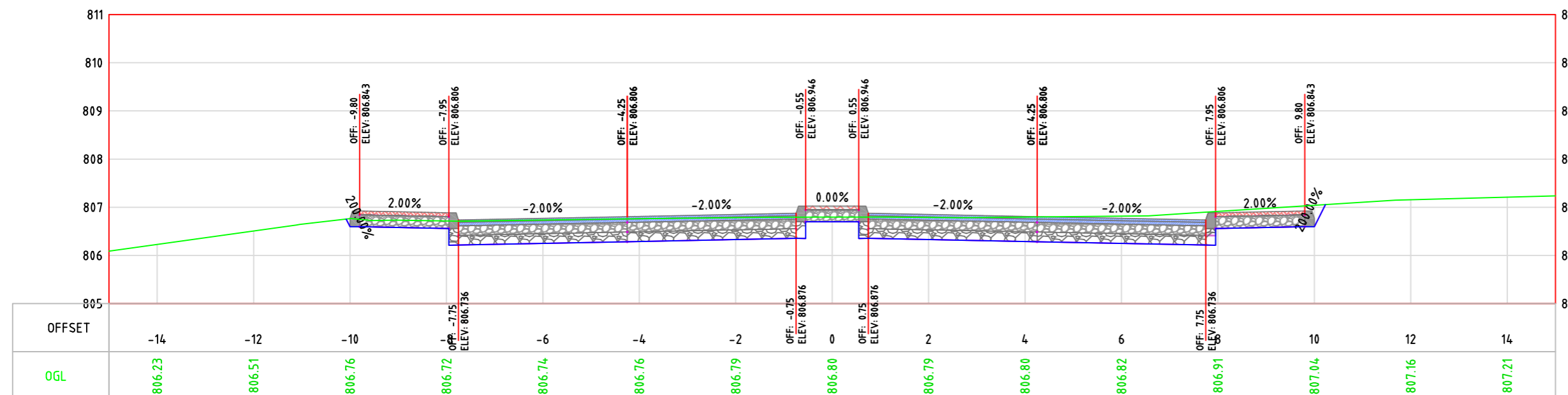
Scale: 1:100

Sheet No. S.24

0+900.00



0+920.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

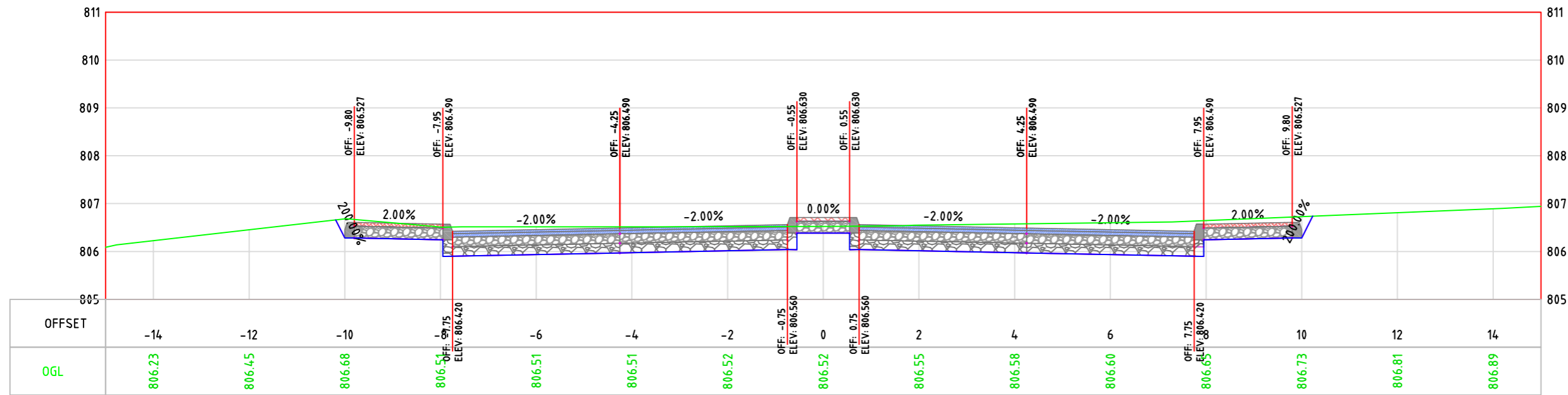
Drawing Title:
 CROSS SECTION

Date: May, 2024

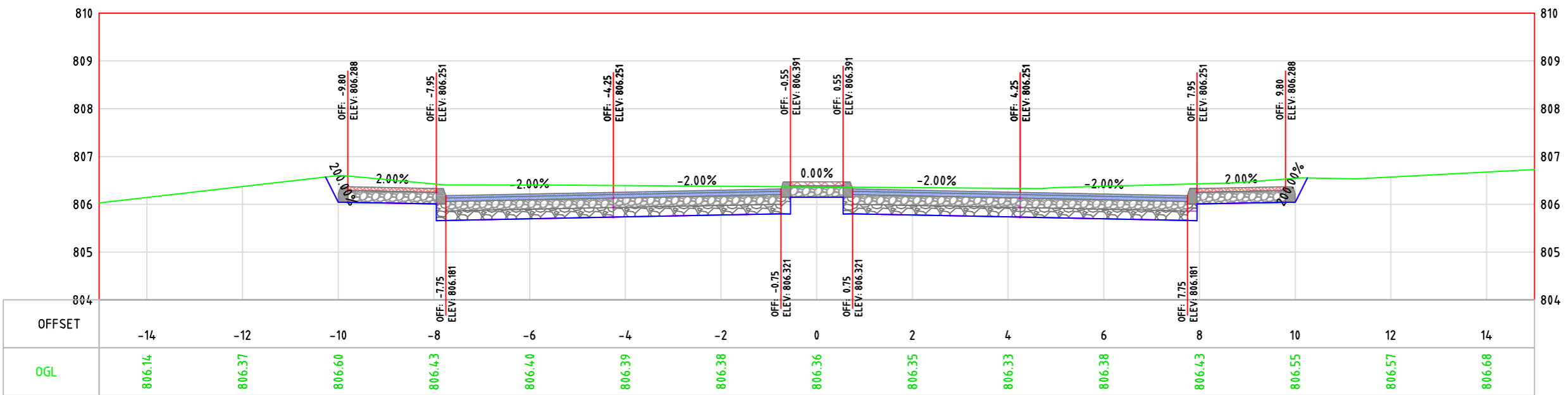
Scale: 1:100

Sheet No.
 S.25

0+940.00



0+960.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

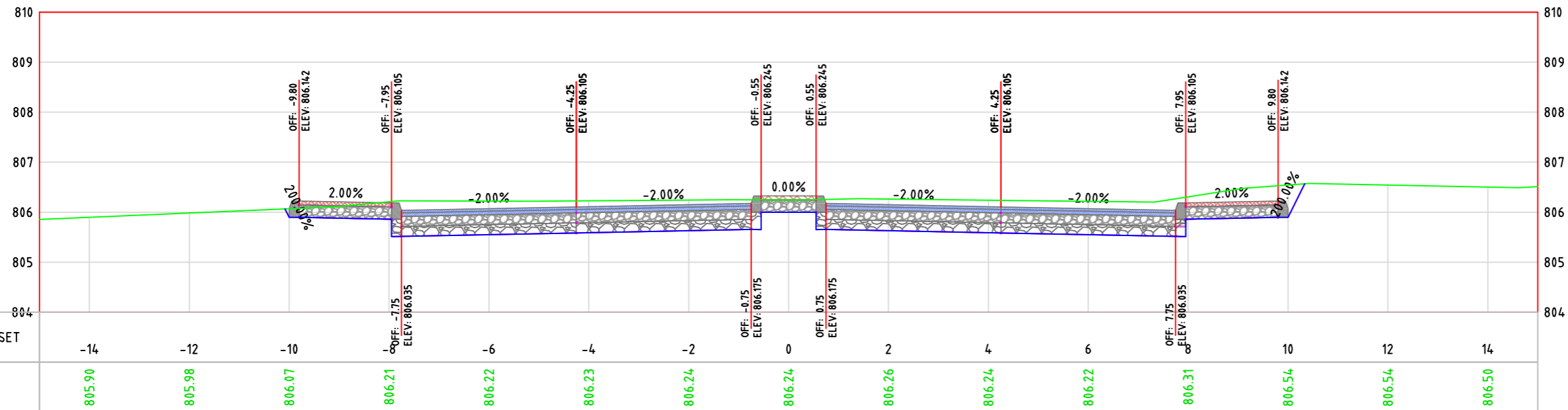
Drawing Title:
 CROSS SECTION

Date: May, 2024

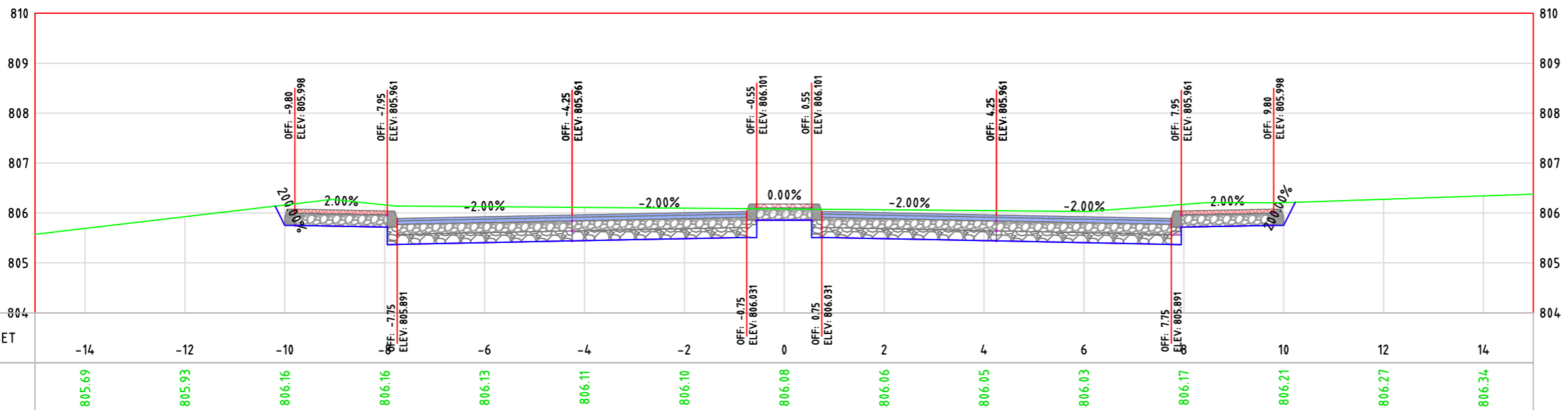
Scale: 1:100

Sheet No. S.26

0+980.00



1+000.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

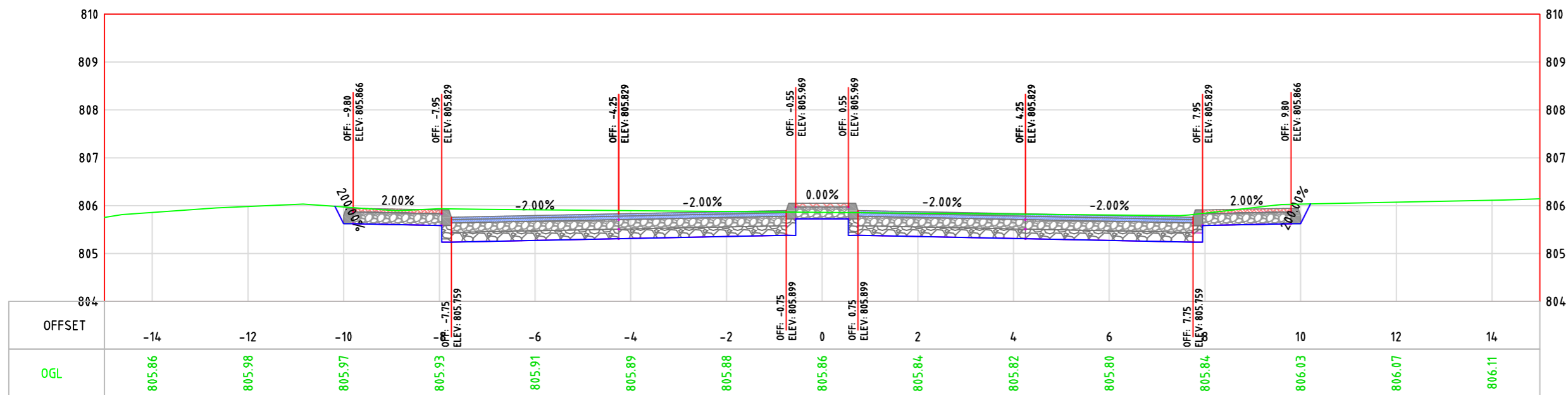
Drawing Title:
 CROSS SECTION

Date: May, 2024

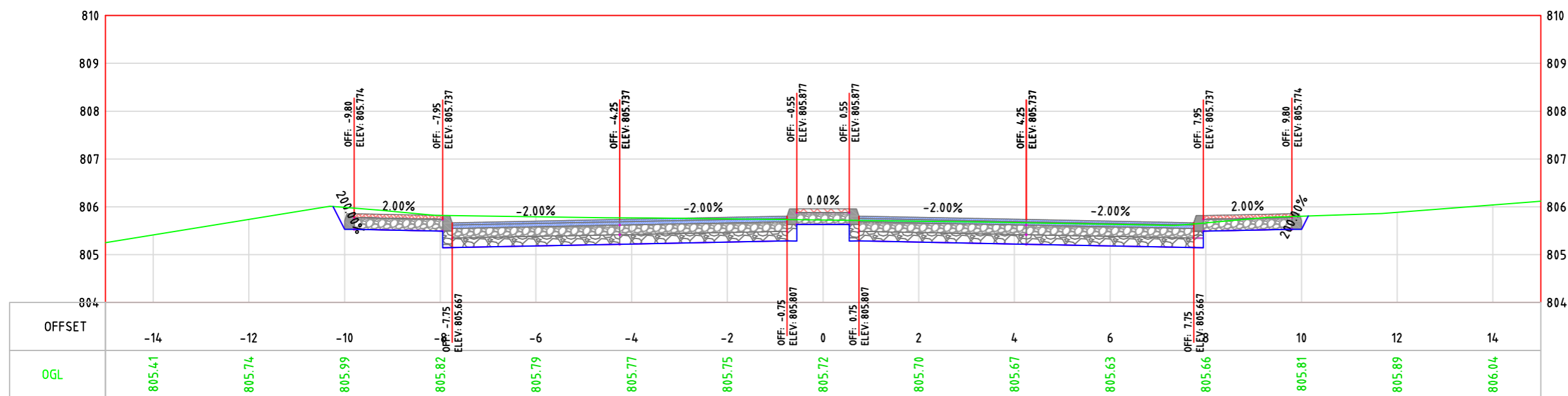
Scale: 1:100

Sheet No.
 S.27

1+020.00



1+040.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

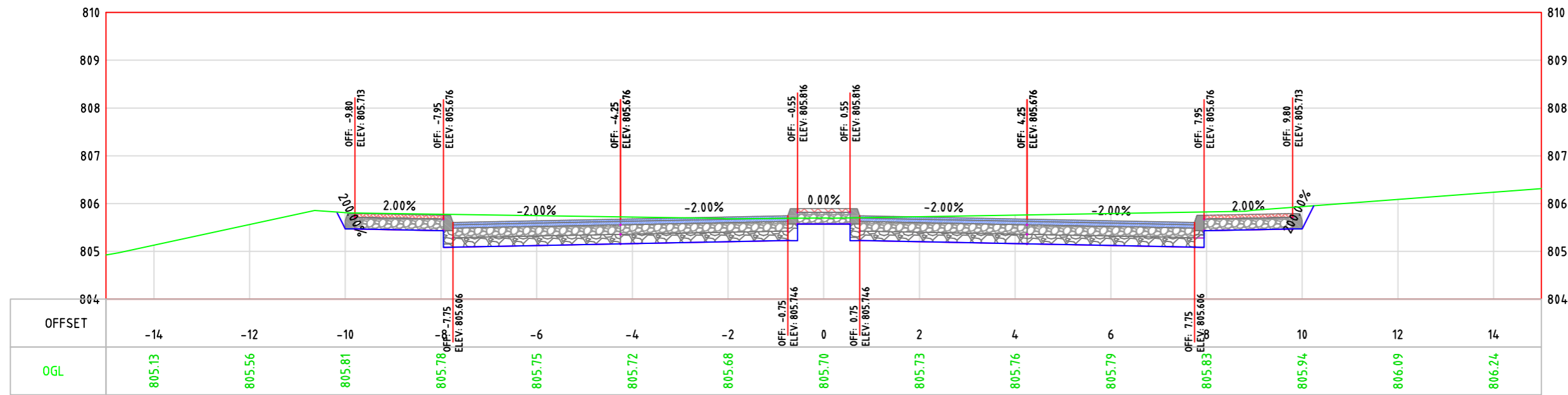
Drawing Title:
 CROSS SECTION

Date: May, 2024

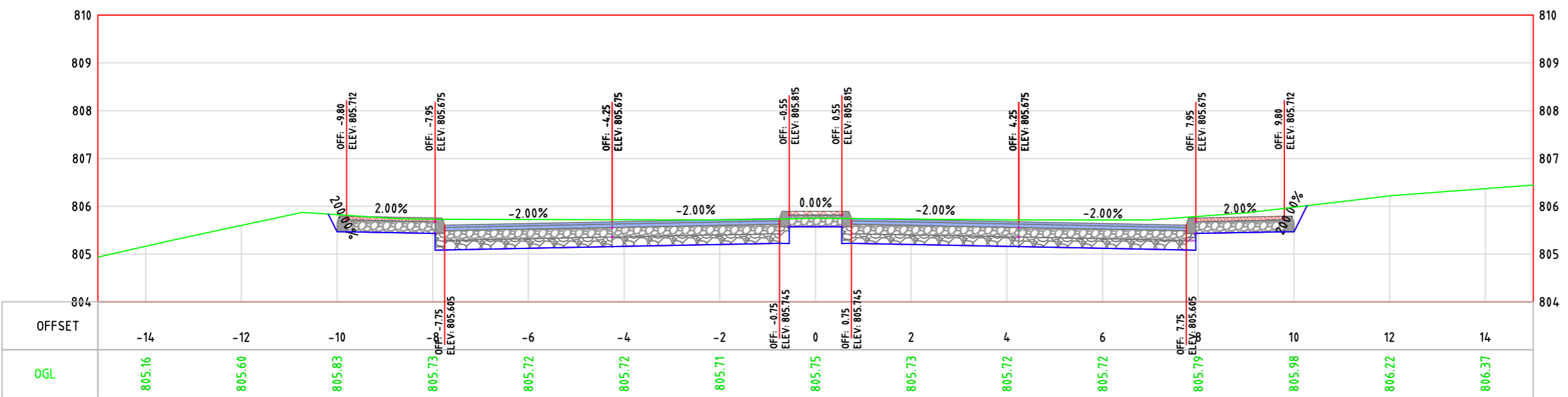
Scale: 1:100

Sheet No.
 S.28

1+070.00



1+080.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

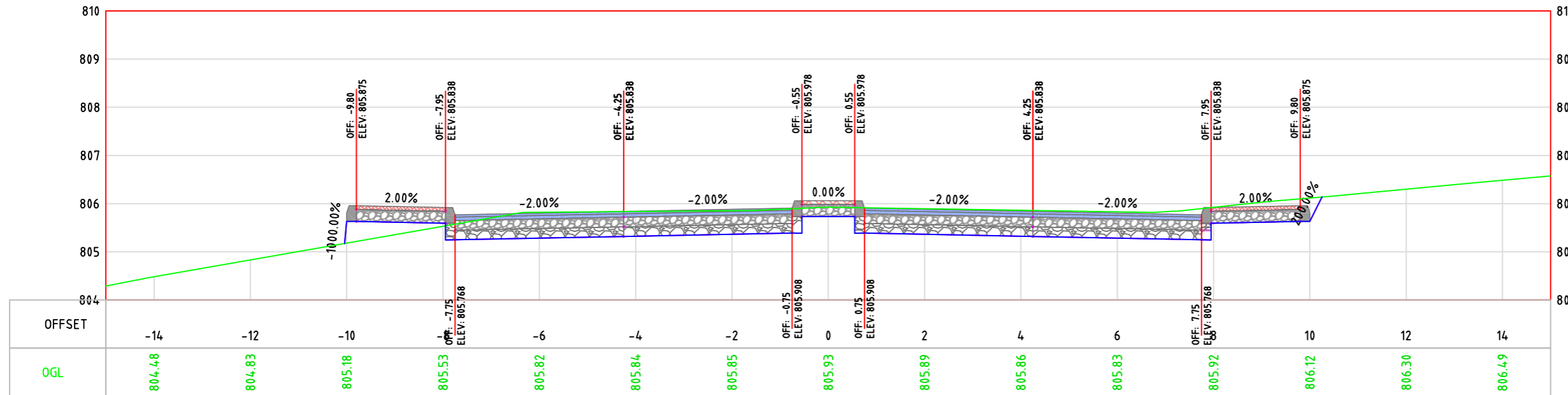
Drawing Title:
 CROSS SECTION

Date: May, 2024

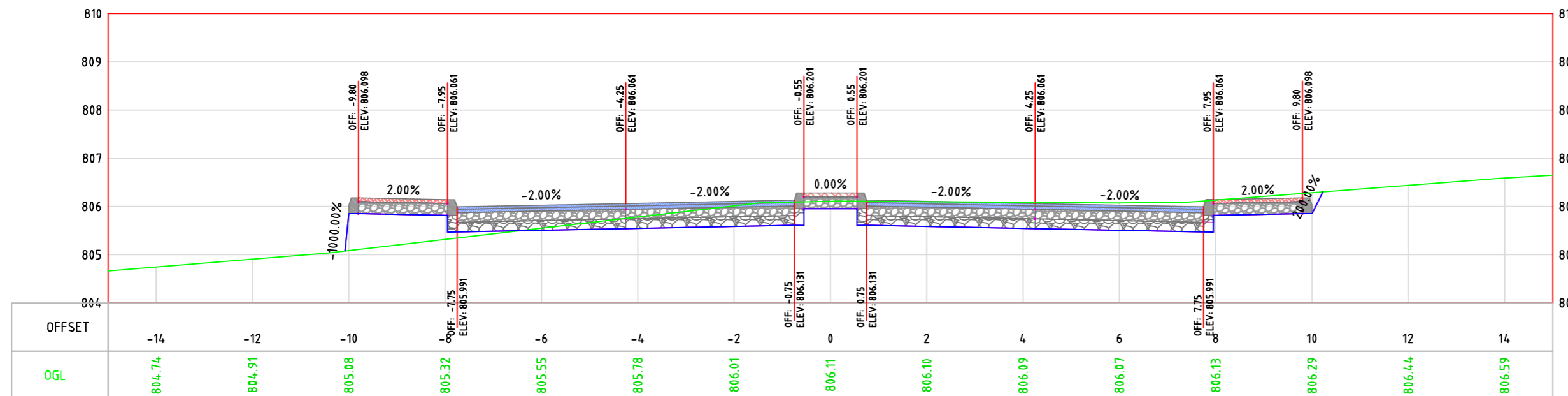
Scale: 1:100

Sheet No. S.29

1+100.00



1+120.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehaulition
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:

Mohammed Harahsheh
Moyad Hasassnah
Adham Ibhais

Drawing Title:

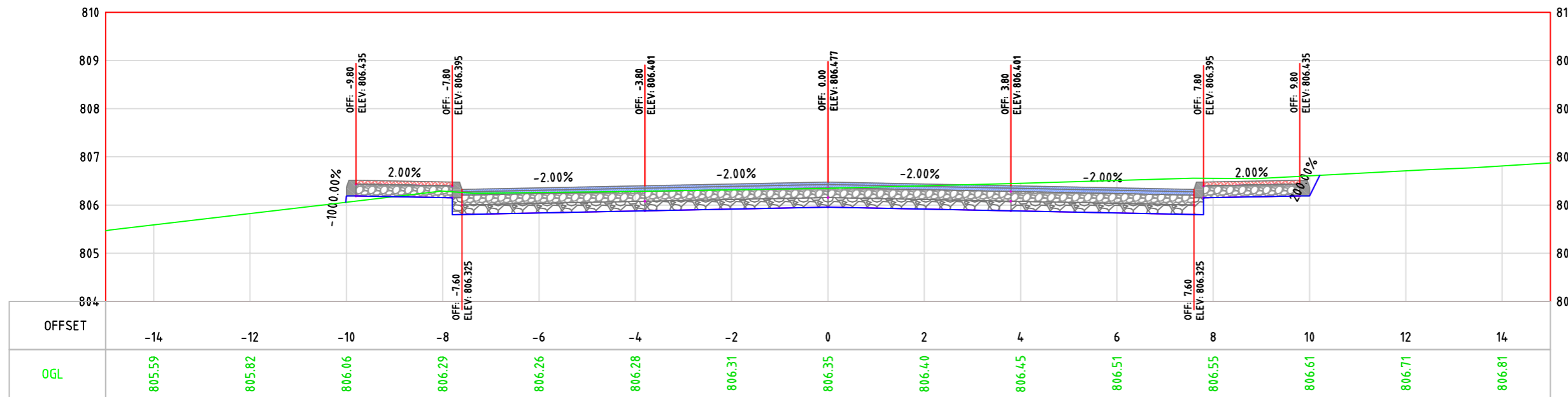
CROSS SECTION

Date: May, 2024

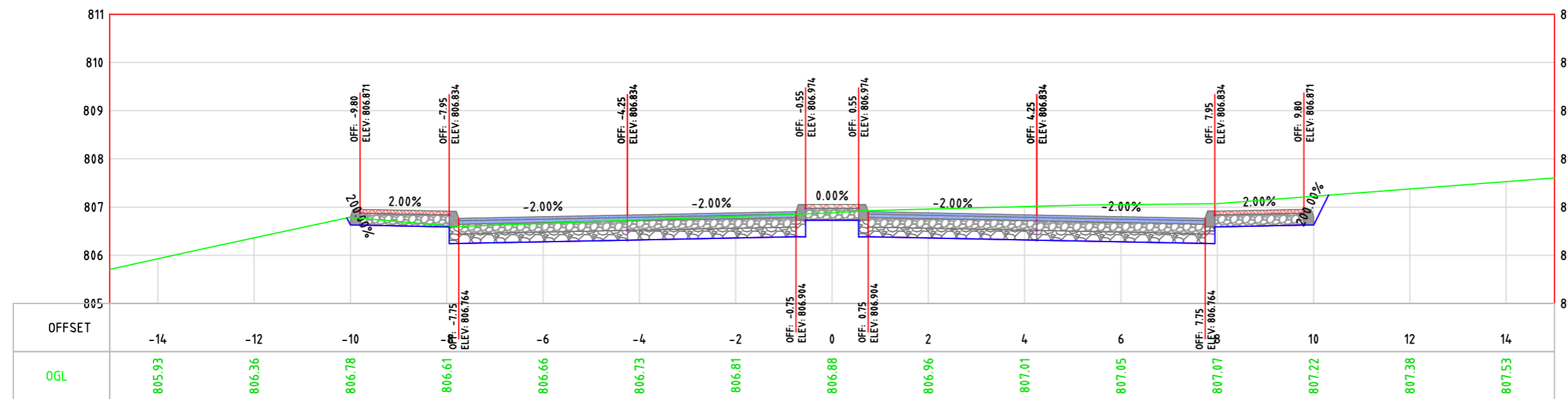
Scale: 1:100

Sheet No.
S.30

1+140.00



1+160.00





LEGEND:

- NATURAL GROUND LEVEL
- FINISHED GROUND LEVEL
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

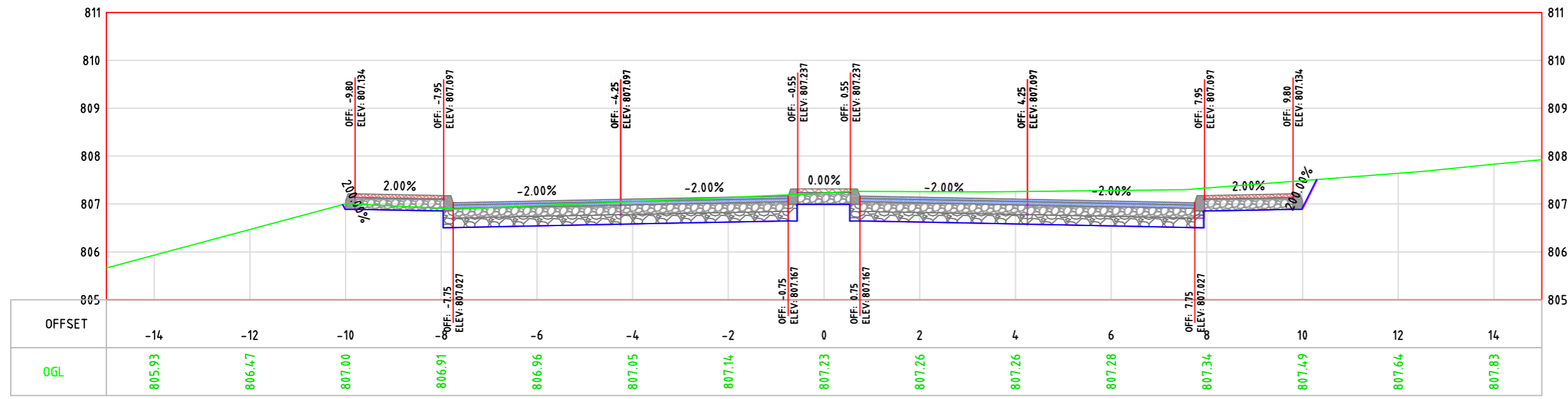
Drawing Title:
 CROSS SECTION

Date: May, 2024

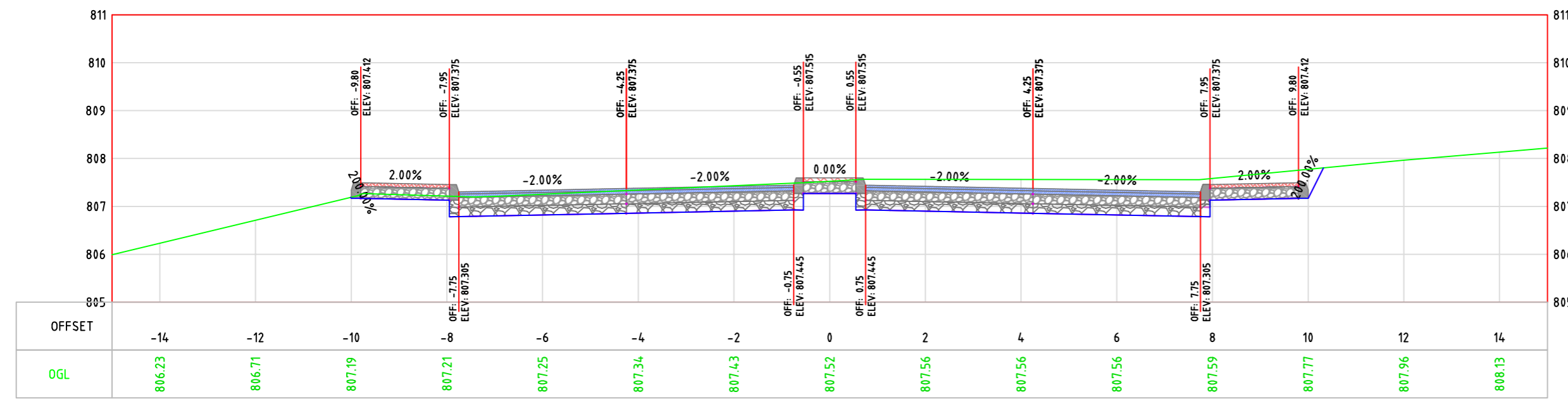
Scale: 1:100

Sheet No.
 S.31

1+170.00



1+180.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

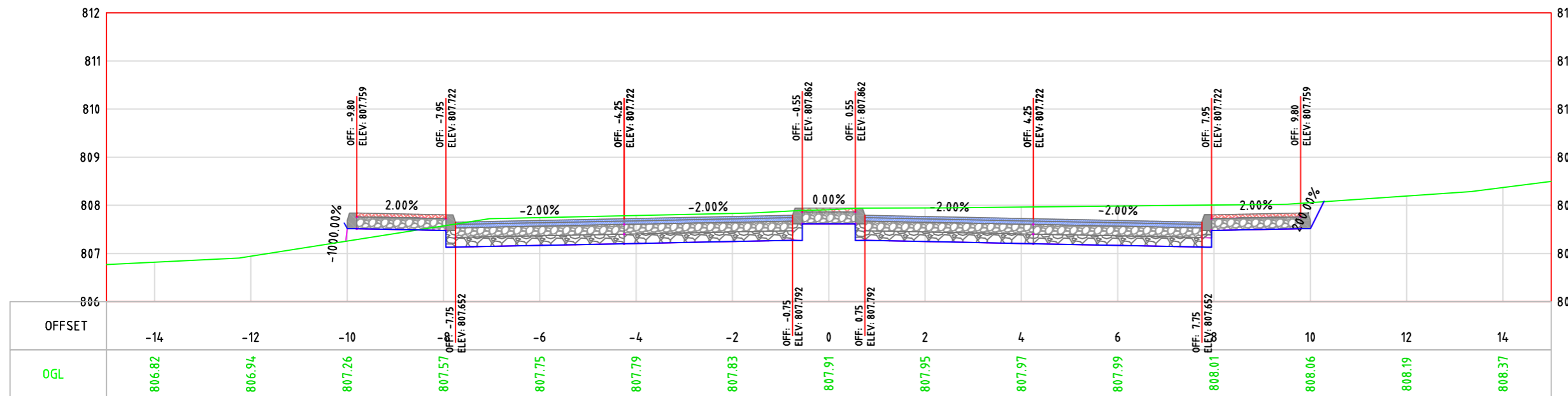
Drawing Title:
 CROSS SECTION

Date: May, 2024

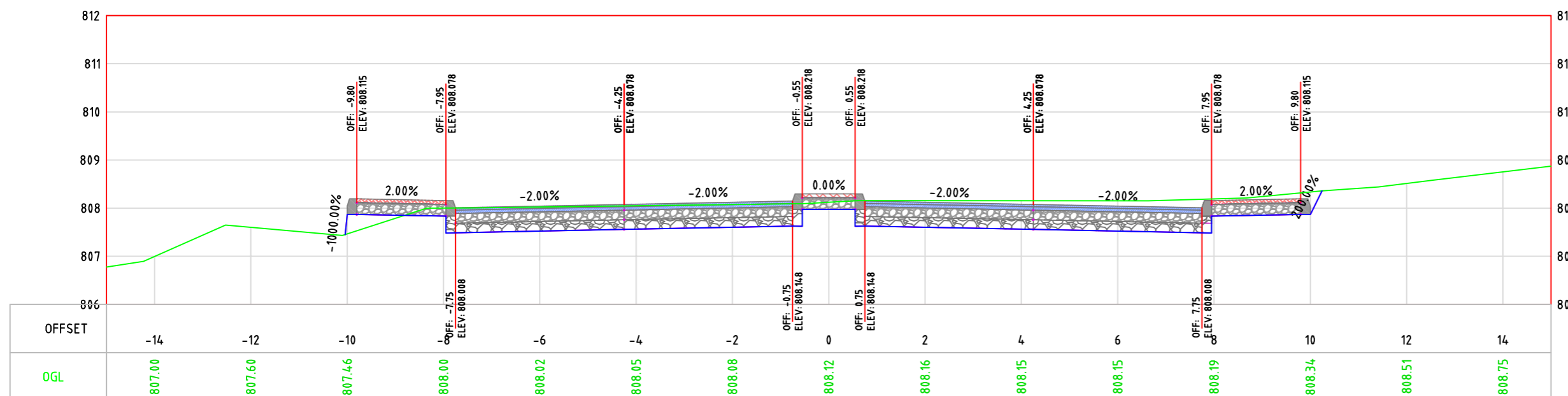
Scale: 1:100

Sheet No.
 S.32

1+210.00



1+240.00





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Surveying & Geomatics Engineering

Design and Rehalitation
 Zeif Road

LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

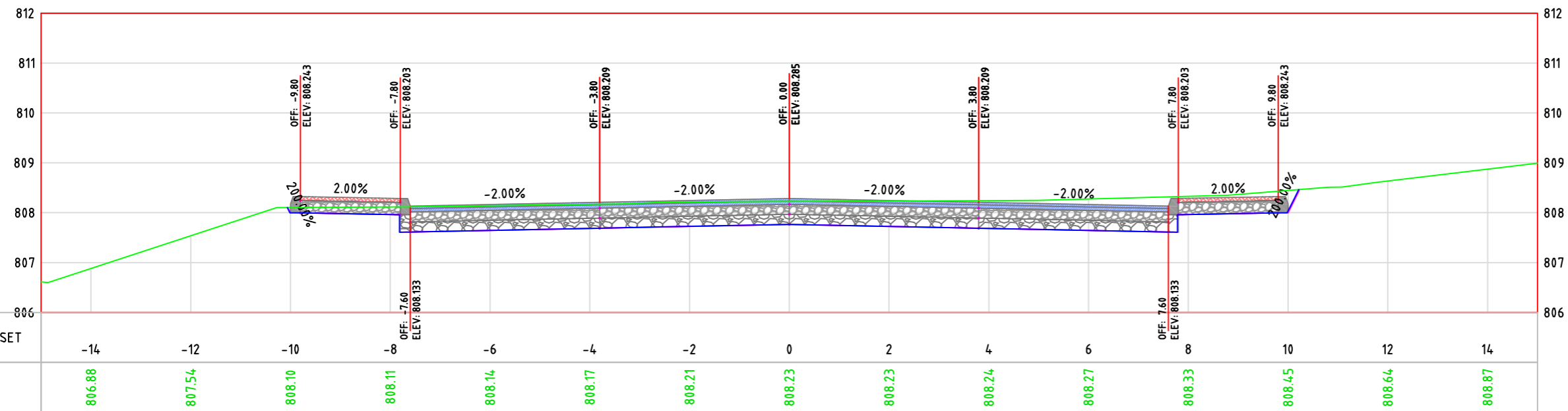
Drawing Title:
 CROSS SECTION

Date: May, 2024

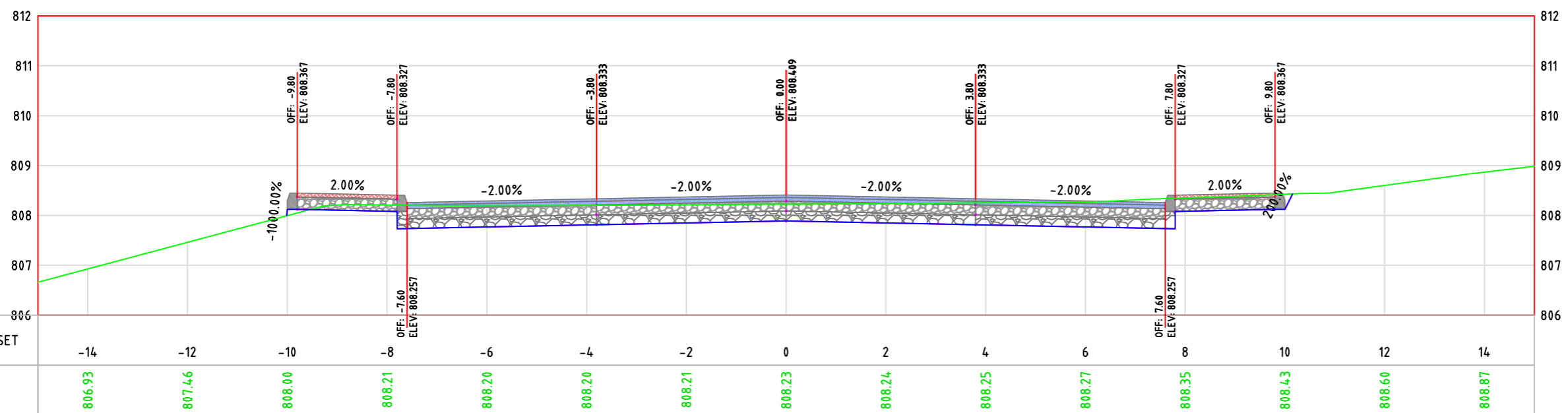
Scale: 1:100

Sheet No. S.33

1+250.00



1+260.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

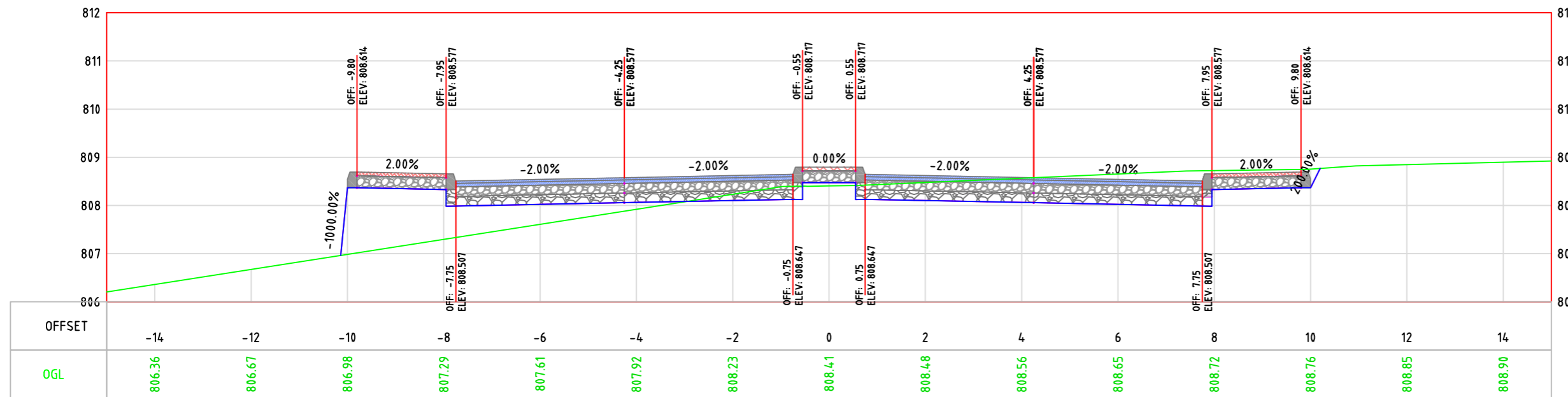
Drawing Title:
 CROSS SECTION

Date: May, 2024

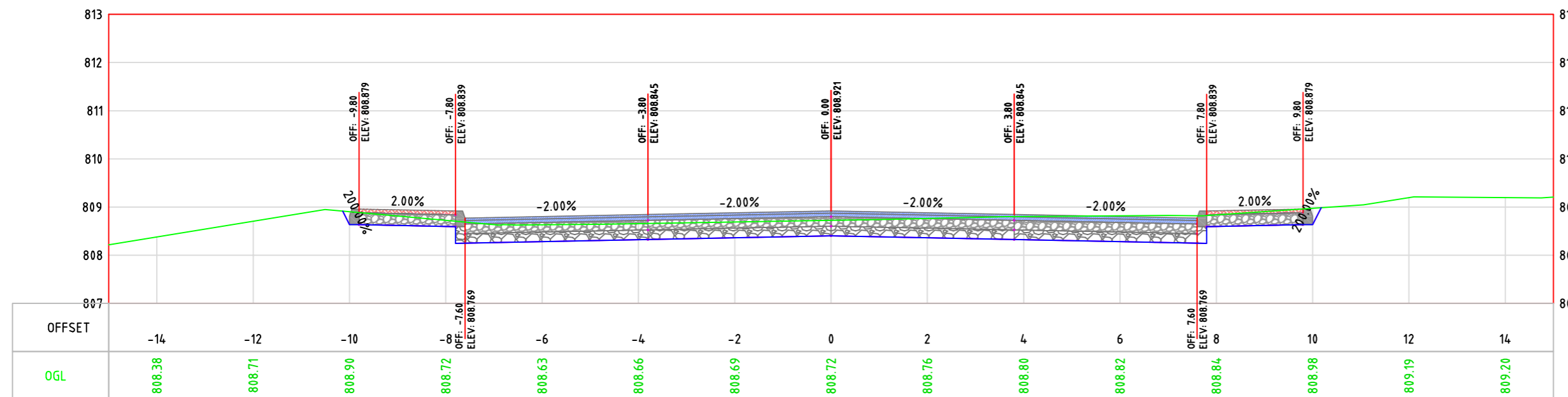
Scale: 1:100

Sheet No.
 S.34

1+280.00



1+300.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

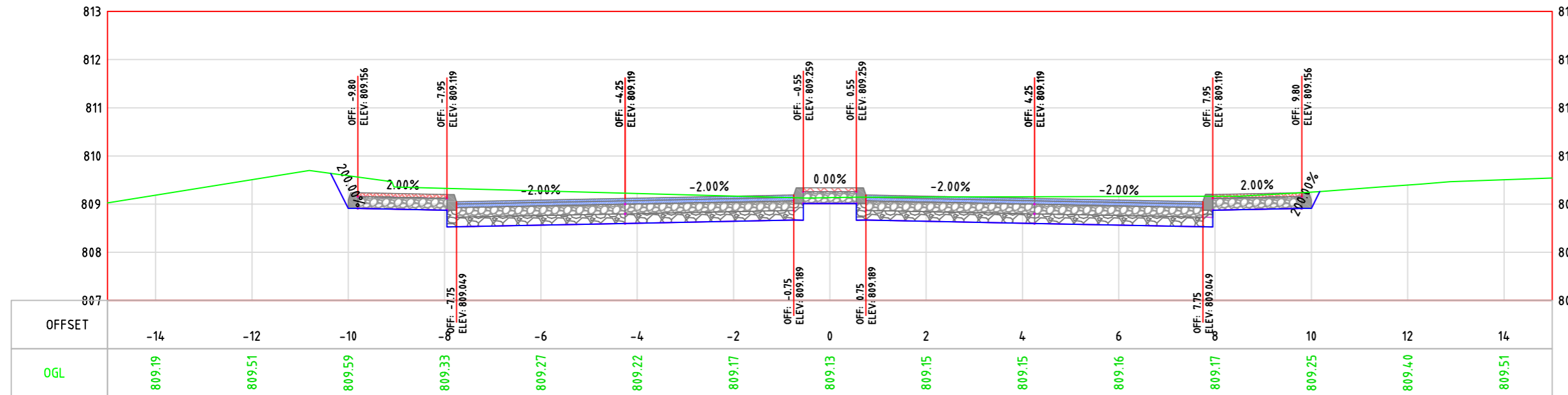
Drawing Title:
 CROSS SECTION

Date: May, 2024

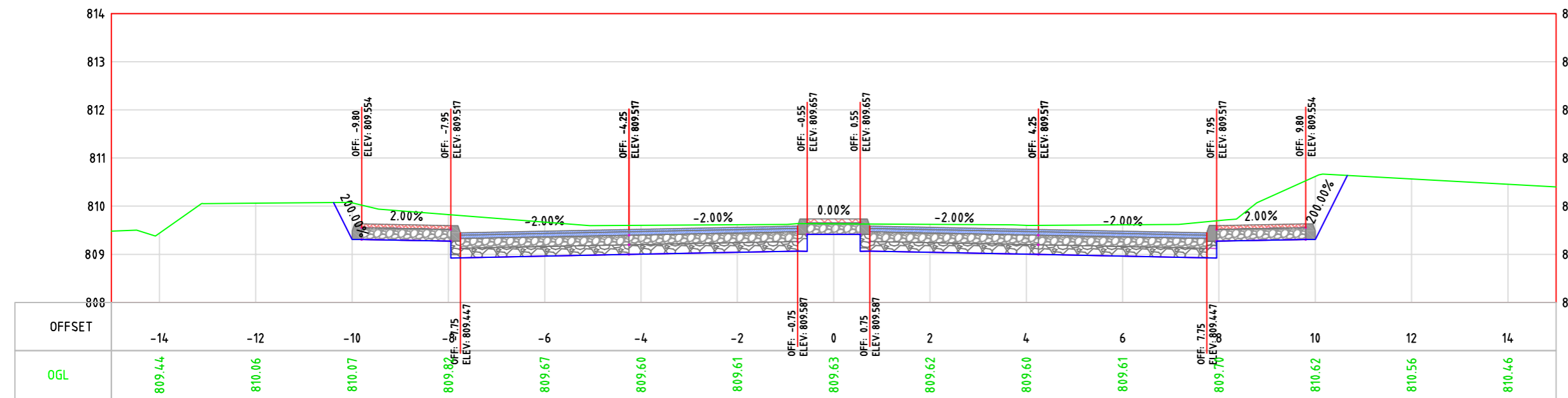
Scale: 1:100

Sheet No.
 S.35

1+320.00



1+340.00





LEGEND:

- NATURAL GROUND LEVEL —
- FINISHED GROUND LEVEL —
- CURB STONE
- SIDE WALK & MEDIAN
- BASE COURSE LAYER
- SUB BASE LAYER
- ASPHALT LAYER

GENERAL NOTES:

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL EXISTING STONE WALL AND CONCRETE WALL LOCATED IN CARRIAGE WAY TO BE REMOVED AND CONSTRUCT NEW ONE.
5. ALL EXISTING TREE LOCATED IN CARRIAGE WAY TO BE RELOCATED.

SUPERVISOR:
 Eng . Mutaz Qafisheh

TEAM WORK:
 Mohammed Harahsheh
 Moyad Hasassnah
 Adham Ibhais

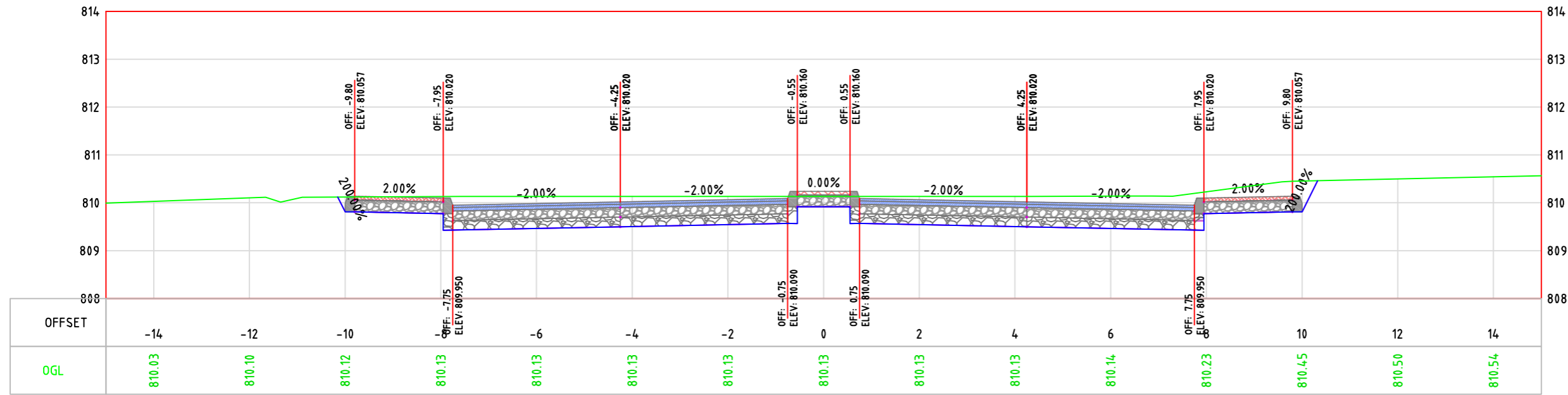
Drawing Title:
 CROSS SECTION

Date: May, 2024

Scale: 1:100

Sheet No.
 S.36

1+360.00



1+380.00

