



PROJECT NAME :

REHABILITATION OF AND DESIGN THE ENTERENCE ROAD TO SALFEET GOVERNATE

SUPERVISION :

PALESTINE POLYTECHNIC UNIVERSITY

DESIGNER SUPERVISOR :

ENG. MALEK ALSHARAY'EH

DESIGNERS :

MOHAMMED BURGHAL

BASHAR AMRO

WAEEL KHWAIREH

ANAS SULAIMAN

AD	ALGEBRAIC GRADE DIFFERENCE
AI	ANGLE IRON
BC	BASECOURSE
BM	BENCH MARK
B.CULVERT	BOX CULVERT
BP	BREAK POINT
CL	CENTER LINE
cm	CENTIMETER
C.WALL	CONCRETE WALL
CWY	CARRIAGEWAY
D	DEGREE OF CURVE, SUBSTENDING 25m. CHORD
DB	DITCH BLOCK
DWG	DRAWING
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
EPS	EDGE OF PAVED SHOULDER
GA	GREEN AREA
GD.RAIL	GUARD RAIL
H.WALL	HEAD WALL
KM	KILOMETER
LHS	LEFT HAND SIDE
m	METER
mm	MILLIMETER
m ²	SQUARE METER
m ³	CUBIC METER
MC	MEDIUM CURING ASPHALT
MT	MAIN TIE
NGL	NATURAL GROUND LEVEL
NO	NUMBER
P	PARKING
P.CULVERT	PIPE CULVERT
PGL	PROPOSED GROUND LEVEL
RF	REFERENCE
R.WAY	RAILWAY
RHS	RIGHT HAND SIDE
RW	RETAINING WALL
S.AP	SPECIAL APRON
S.WALK	SIDE WALK
S.WALL	STONE WALL
SB	SUBBASE
SD	SPECIAL DITCH
SG	SUBGRADE
SHW	STRAIGHT HEAD WALL
S	SLOPE
SP	SLOPE PROTECTION
STA	STATION
T	TIE
TC	TACK COAT (RAPID CURING ASPHALT)
TOP	TOPPING
V	DESIGN SPEED
VAR	VARIABLE
W.PIPE	WATER PIPE
W.POOL	WATER POLE
W.WALL	WING WALL
WMH	WATER MANHOLE
- , + %	PERCENT OF GRADE
$\frac{N}{0.001}$	CO-ORDINATES N=NORTH E= EAST
IL	INVERT LEVEL
RL	RIM LEVEL
RCP	REINFORCED CONCRETE PIPE

EXISTING ROAD SYMBOLS FOR PLAN:

	FENCE
	TELEPHONE CABLE
	WATER PIPE
	SEWER LINE
	PAVEMENT EDGE/ NGL.
	SHOULDER EDGE
	CONCRETE WALL
	STONE WALL
	CLIFF
	HAND RAIL
	GUARD RAIL
	CURB STONE
	DIRT ROAD
	BOULDER WALL
	CONTOUR LINE
	BUS STOP
	STAIRS
	BUILDING
	BARAX
	TELEPHONE POLE
	ELECTRIC POLE
	HIGH VOLTAGE POLE
	WATER VALVE
	SEWER MANHOLE
	STORM WATER MANHOLE
	TELEPHONE MANHOLE
	ELECTRIC MANHOLE
	HIGH VOLTAGE MANHOLE
	WATER MANHOLE
	WELL
	CEMETERY
	FIRE HYDRANT
	AIR RELEASE VALVE
	PALESTINIAN GRID TRIANGULATION STATION
	TRAVERSE STATION/ BENCH MARK
	SPOT ELEVATION
	ANGLE IRON
	IRON PIN
	PIPE CULVERT ON PROFILE
	BOX CULVERT ON PROFILE
	NATURAL CHANNEL OR WADI
	PIPE AND BOX CULVERTS ON PLAN
	TREE
	SLOPE PROTECTION

PROPOSED ROAD SYMBOLS FOR PLAN:

LEGENDS/ SYMBOLS FOR PLAN:

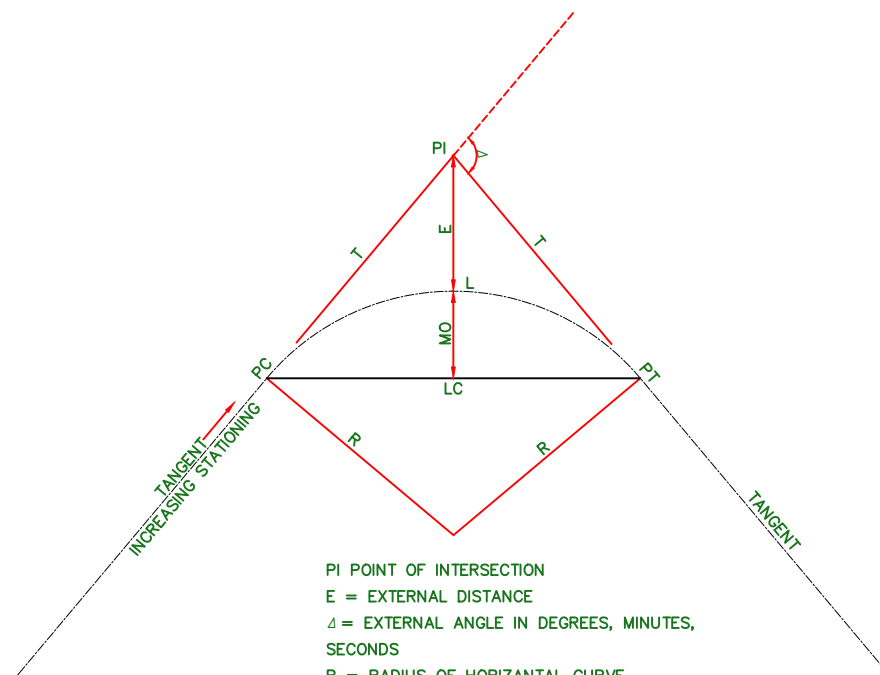
	RIGHT OF WAY
	CONSTRUCTION LIMIT
	CENTER LINE
	EDGE OF PAVEMENT/ PGL
	EDGE OF SHOULDER
	EDGE OF PAVEMENT/ PGL
	MEDIAN
	PROPOSED ASPHALT
	CONCRETE SIDE WALK
	INTERLOCK SIDE WALK
	BOUNDARY WALL
	STONE WALL
	RETAINING OR GRAVITY WALL
	BOULDER WALL
	CONCRETE DITCH
	EARTH DITCH
	HAND RAIL
	GUARD RAIL
	RAMP
	PIPE AND BOX CULVERTS ON PLAN
	STORM WATER MANHOLE
	STORM WATER CONCRETE PIPE
	UPVC PIPE 16"
	PROPOSED CATCH BASIN
	LIGHTING POLE
	UNDER GROUND CLOSED CHANNEL

LEGENDS/ SYMBOLS FOR PROFILE:

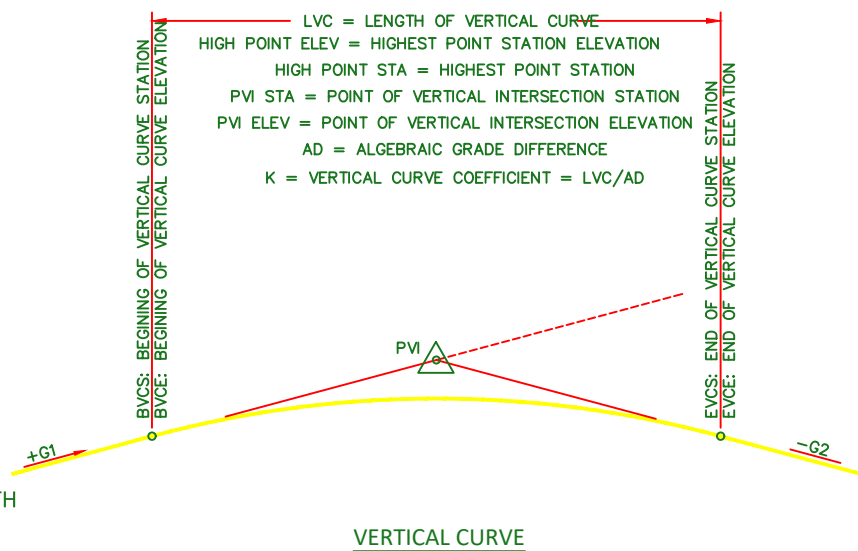
	STORM WATER CONCRETE PIPE
	STORM WATER MANHOLE
	WATER PIPE
	PIPE CULVERT
	BOX CULVERT

NOTE:
* BEFORE ANY ADDITION OR DELETION OR CHANGE ON THIS SHEET, SUBCONSULTANT SHALL COORDINATE WITH BLACK AND VEATCH LEAD CAD OR PROJECT MANAGER.

HORIZONTAL & VERTICAL GEOMETRY



PI POINT OF INTERSECTION
 E = EXTERNAL DISTANCE
 Δ = EXTERNAL ANGLE IN DEGREES, MINUTES, SECONDS
 R = RADIUS OF HORIZONTAL CURVE
 T = TANGENT LENGTH
 L = LENGTH OF HORIZONTAL CURVE
 LC = LENGTH OF CHORD
 e = SUPER ELEVATION
 PC = POINT OF CURVATURE
 PT = POINT OF TANGENCY
 MO = MIDDLE ORDINATE
HORIZONTAL CURVE



VERTICAL CURVE

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL

PROPOSED:

	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DETCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: LEGEND

Date: MAY 2020 Drawing No.: 01

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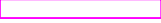











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NOTES :

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LEGEND FOR PLAN

EXISTING:	
	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL
PROPOSED:	
	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DETCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: LIST OF DRAWINGS

Date: MAY 2020 Drawing No.: 02

Contour Map



جامعة بوليتكنك فلسطين

Legend

- Road Plane
- Contour (5m)

Project Title :
Rehabilitation and Design
the Entrance Road to
Salfit Governorate

Prepared By :
Mohammed Mustafa Burghal
Wael Nashat Khwaira
Bashar kh. Amro
Anas Solaiman

Supervisor :
Eng.Malek ALsharay'eh

Date : 1-5-2020

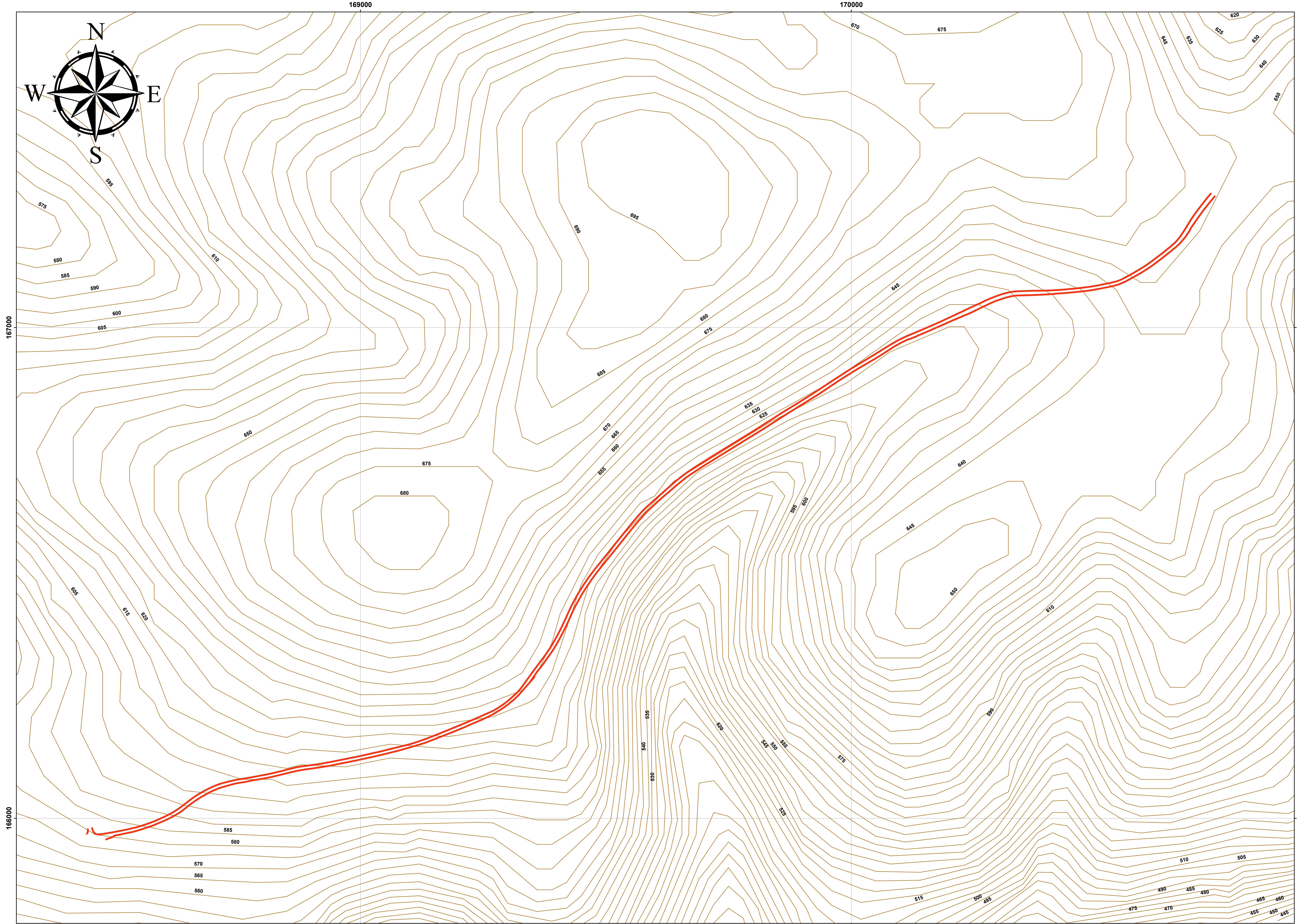
Coordinate System :
Palestine 1923 Grid

Projection : Cassini

Inset Map

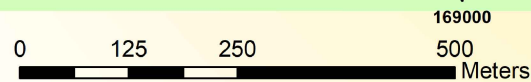


1 cm = 1 km



Scale 1:2,500

Control Points Distribution



Scale 1:7,000



Legend

- ▲ Control Point
- Road Alignment

Project Title :
Rehabilitation and Design
the Entrance Road to
Salfit Governorate

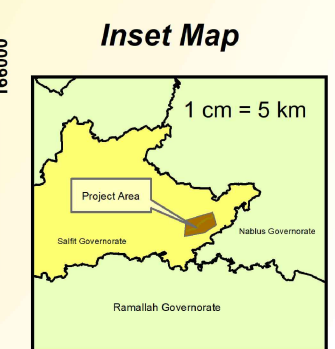
Prepared By :
Mohammed Mustafa Burghal
Wael Nashat Khwaira
Bashar kh. Amro
Anas Solaiman

Supervisor :
Eng.Malek ALsharay'eh

Date : 30-3-2020

Coordinate System :
Palestine 1923 Grid

Projection : Cassini



NOTES :

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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HT HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



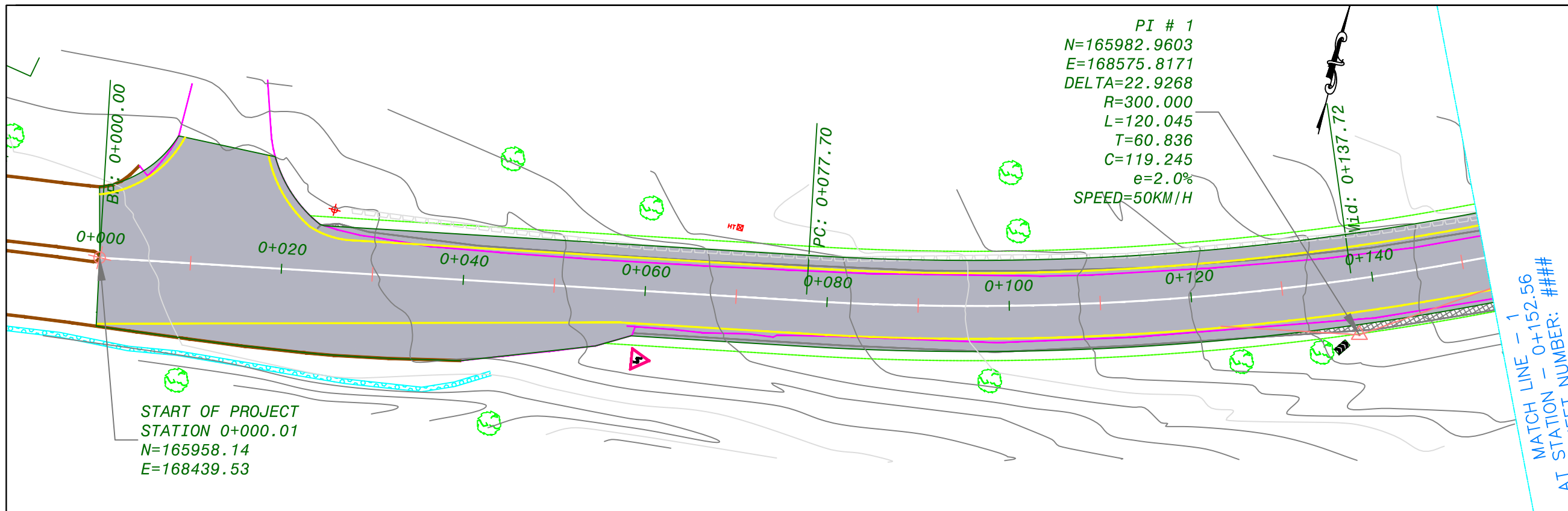
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairh Anas Sulaiman

Drawing TITLE.: KEY MAP

Date: MAY 2020 Drawing No.: 03



- NOTES :**
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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University

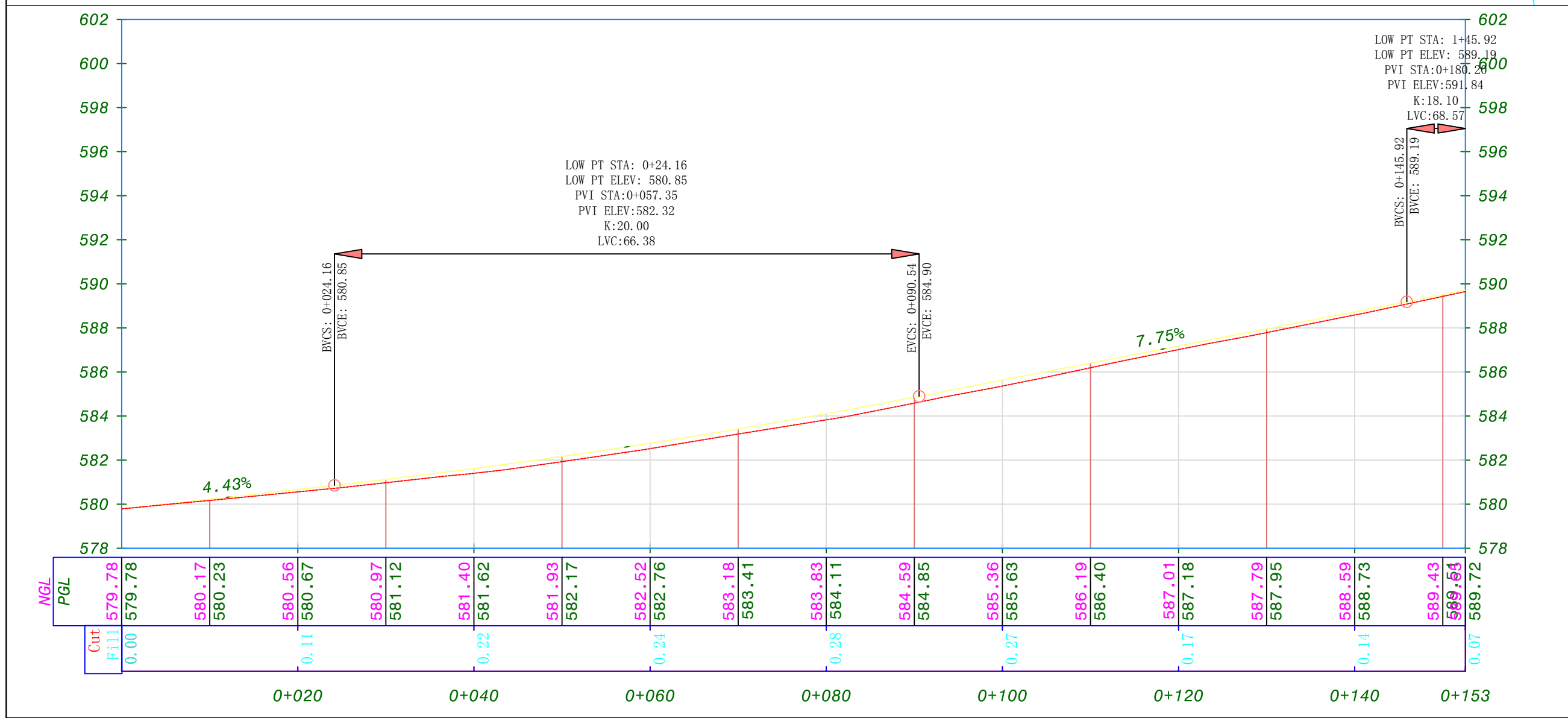
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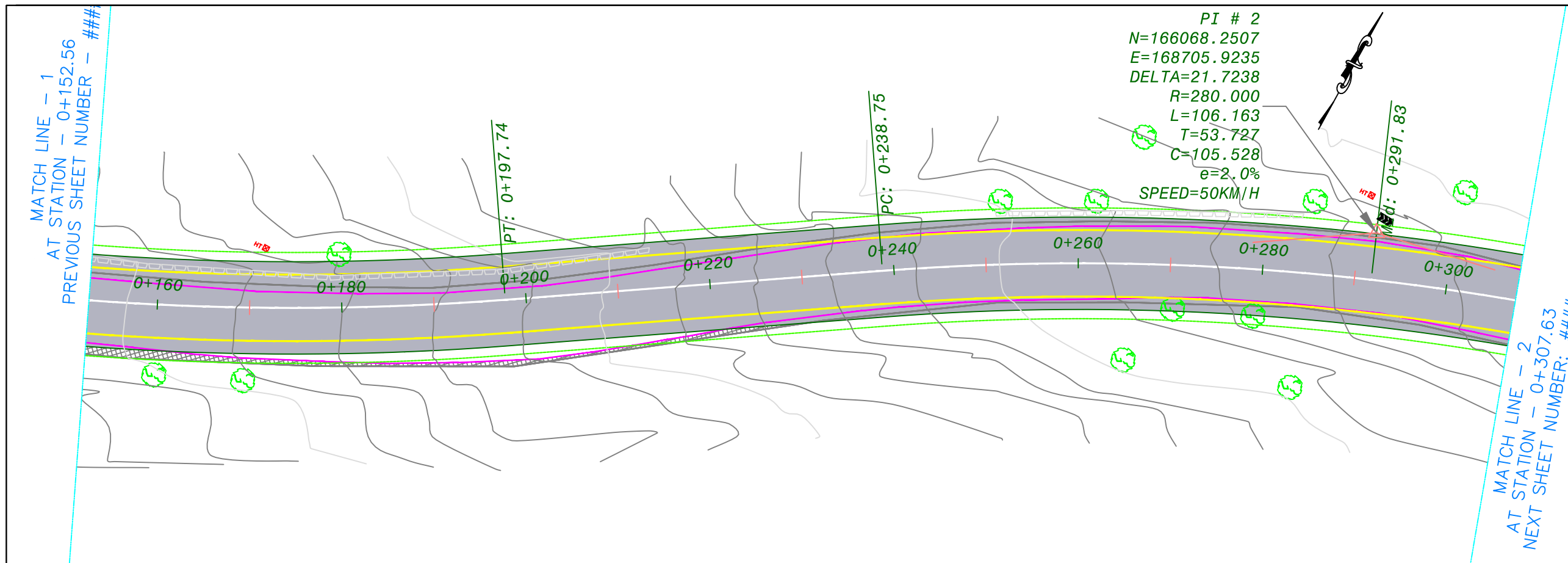
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -01
Date: MAY 2020
Drawing No.: 04





NOTES :

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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



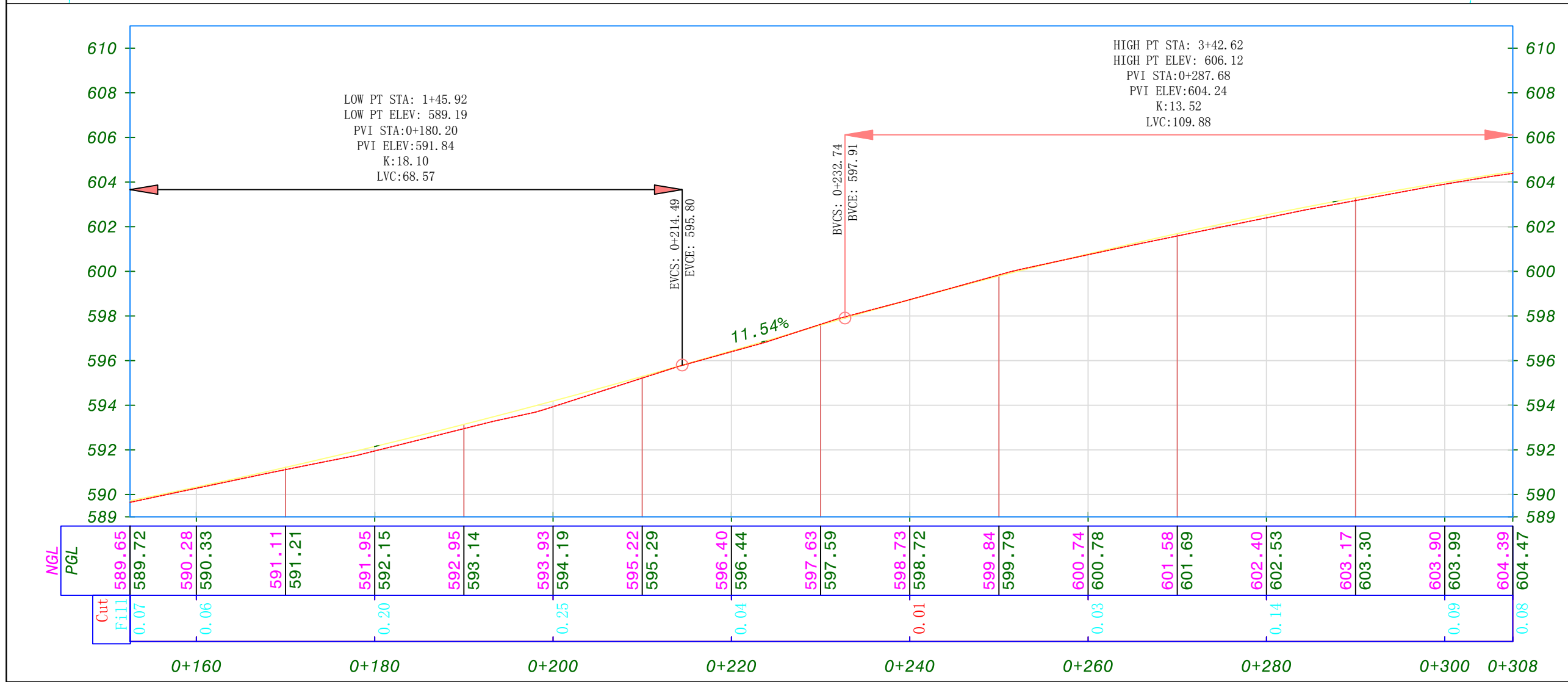
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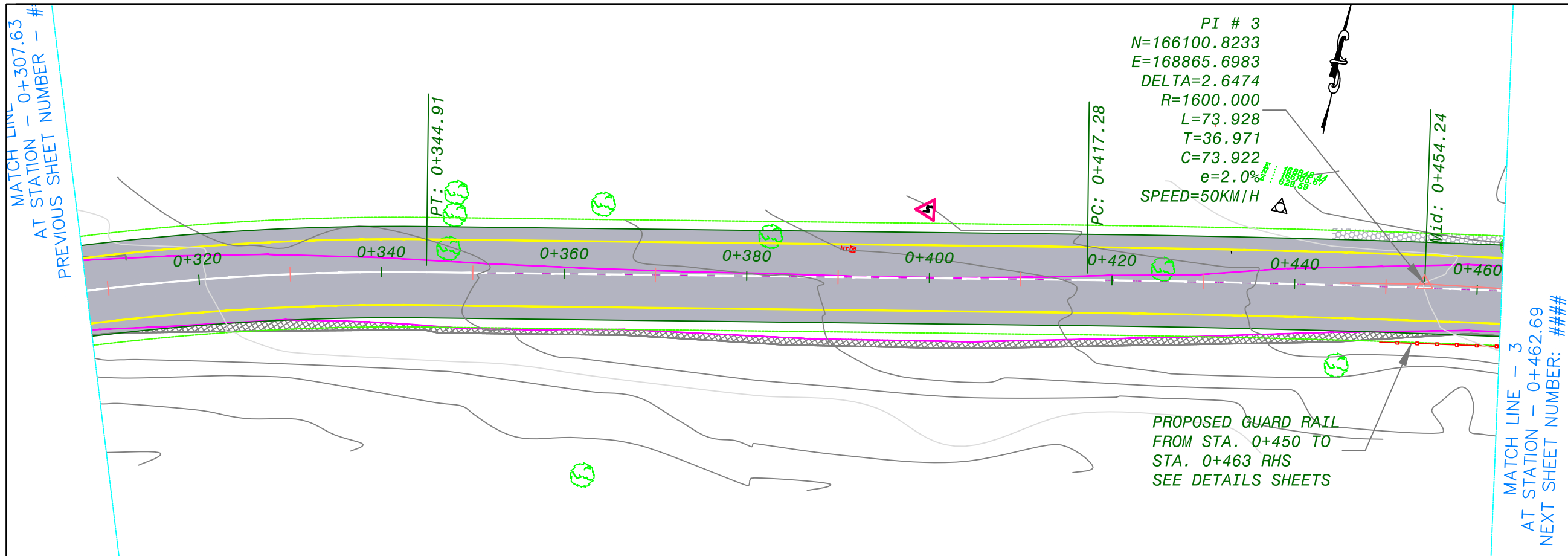
PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -02

Date: MAY 2020 Drawing No.: 05





NOTES :

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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



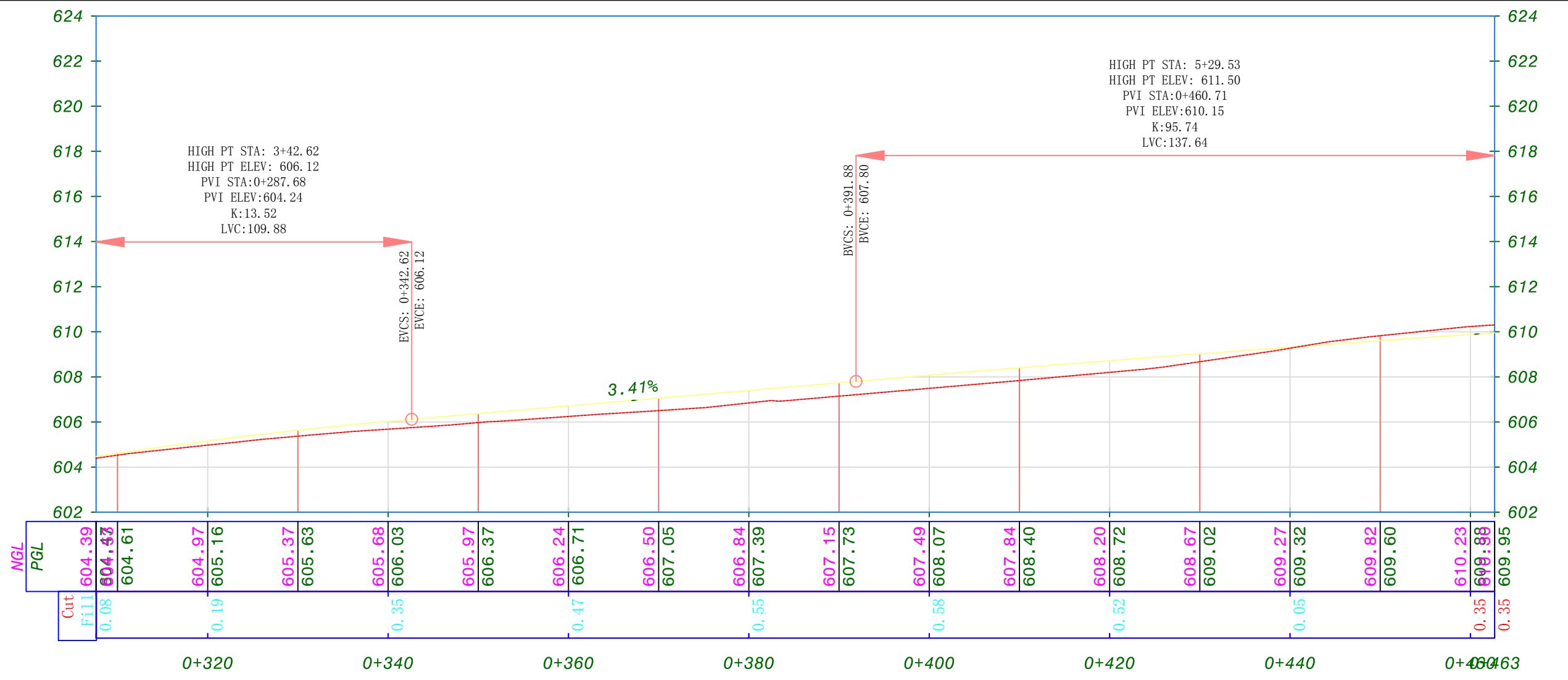
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

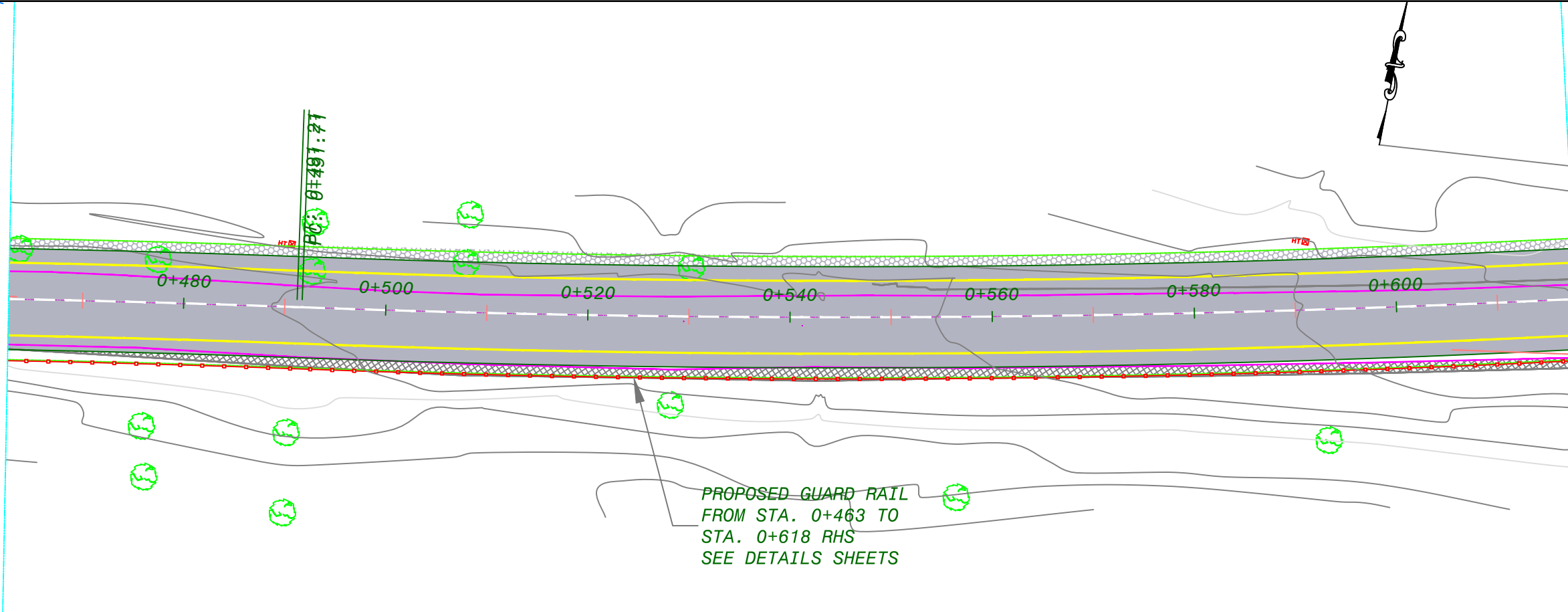
Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -03

Date: MAY 2020 Drawing No.: 06



MATCH LINE - 3
AT STATION - 0+462.69
PREVIOUS SHEET NUMBER - 7



MATCH LINE - 4
AT STATION - 0+617.75
NEXT SHEET NUMBER: ###

PROPOSED GUARD RAIL
FROM STA. 0+463 TO
STA. 0+618 RHS
SEE DETAILS SHEETS

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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



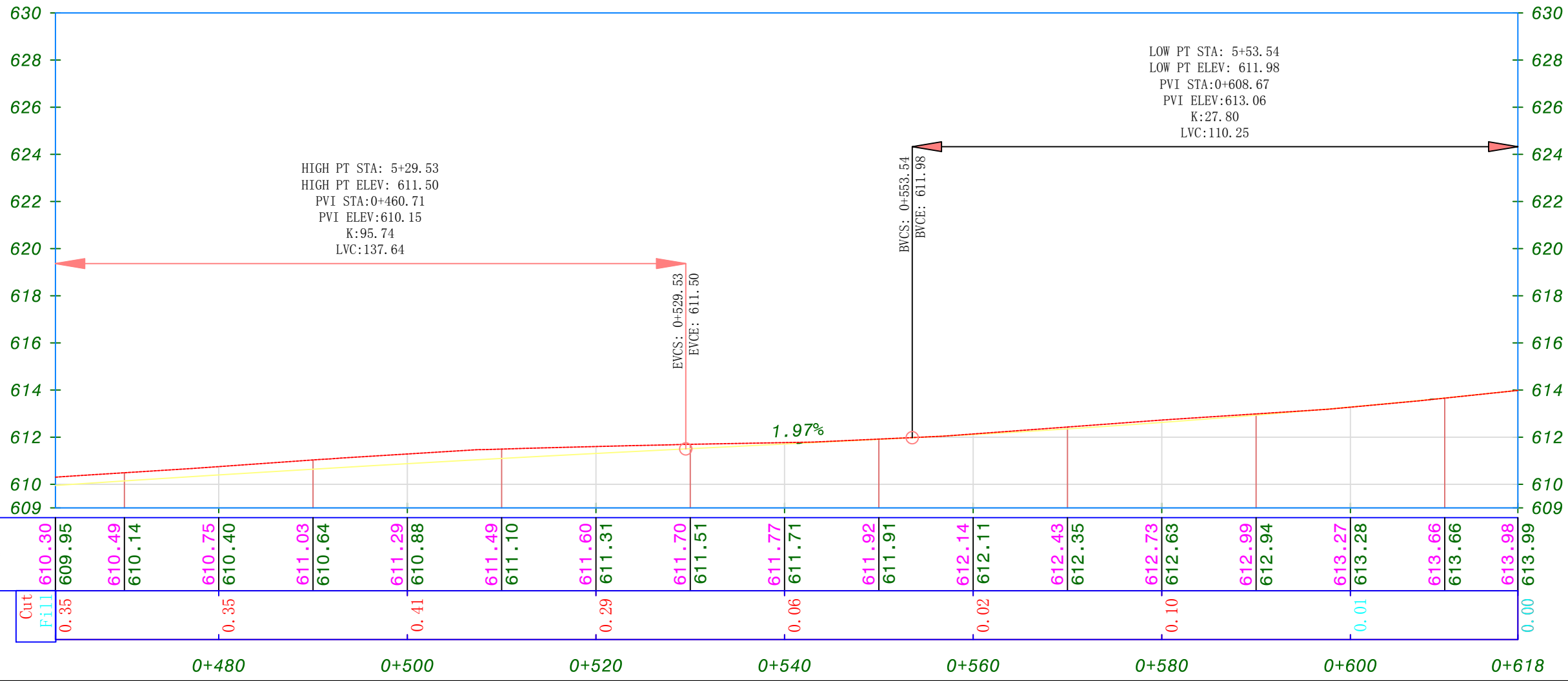
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STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

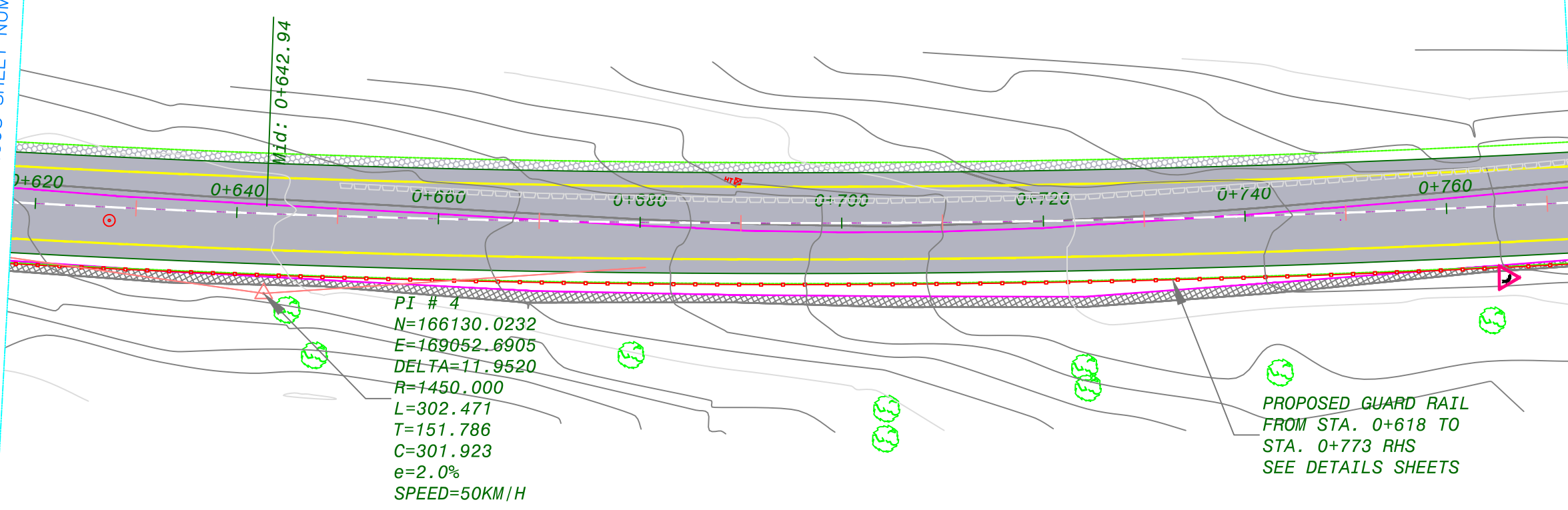
Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwareh Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -04
Date: MAY 2020 Drawing No.: 07



MATCH LINE - 4
AT STATION - 0+617.75
PREVIOUS SHEET NUMBER - ###

MATCH LINE - 5
AT STATION - 0+772.82
NEXT SHEET NUMBER: ###



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LEGEND FOR PLAN

EXISTING:

- Boulder Wall
- Asphalt
- CON. SHOULDER
- CURB STONE
- HT
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



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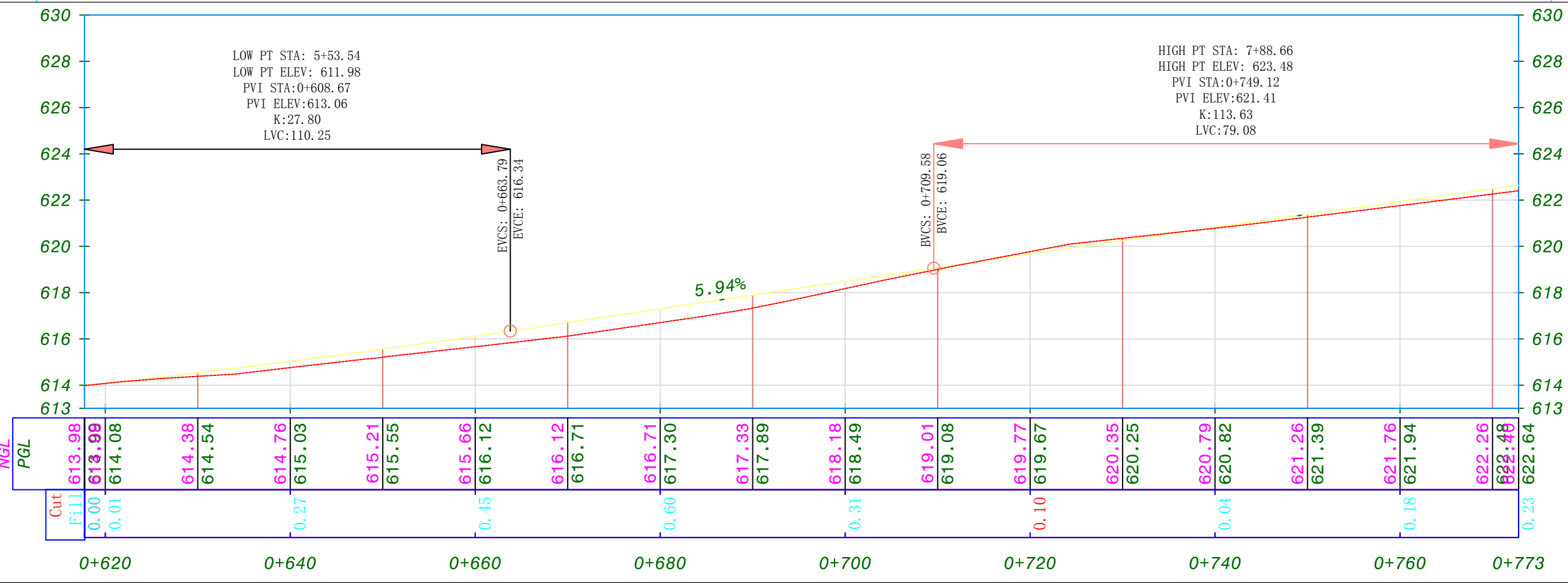


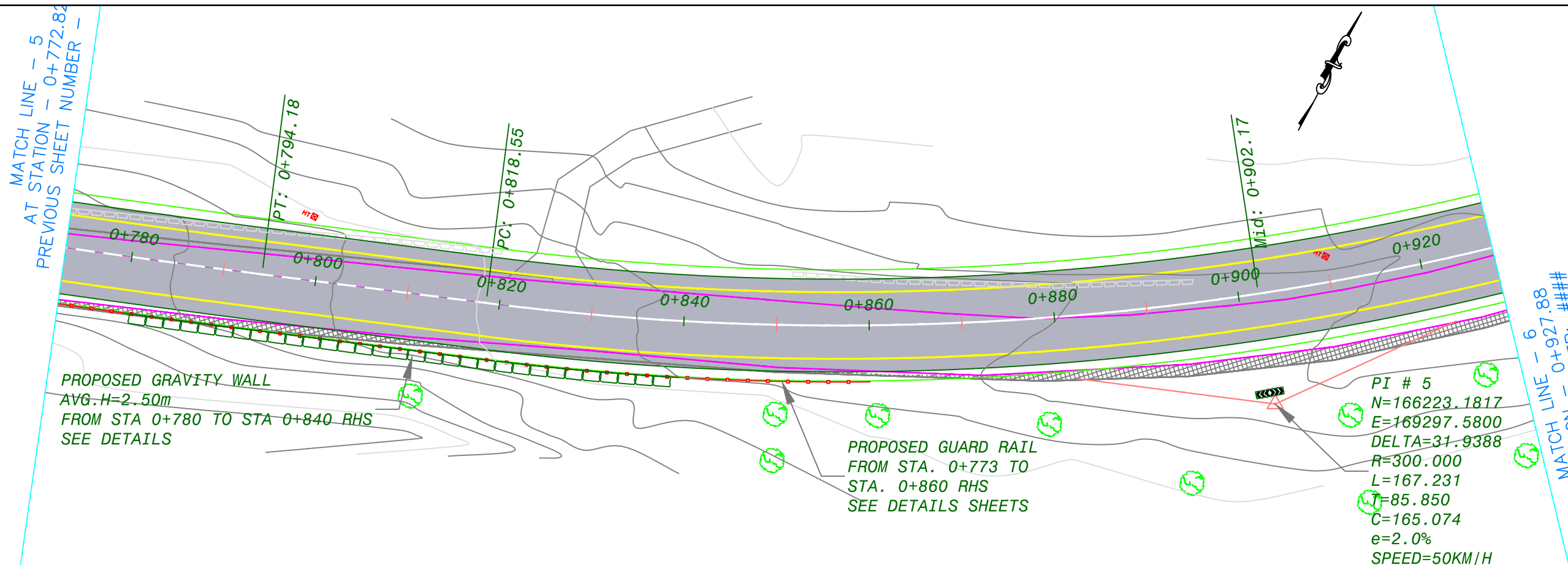
PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -05

Date: MAY 2020 Drawing No.:08





- NOTES :**
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LEGEND FOR PLAN

EXISTING:

- Boulder Wall
- Asphalt
- CON. SHOULDER
- CURB STONE
- HT
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University

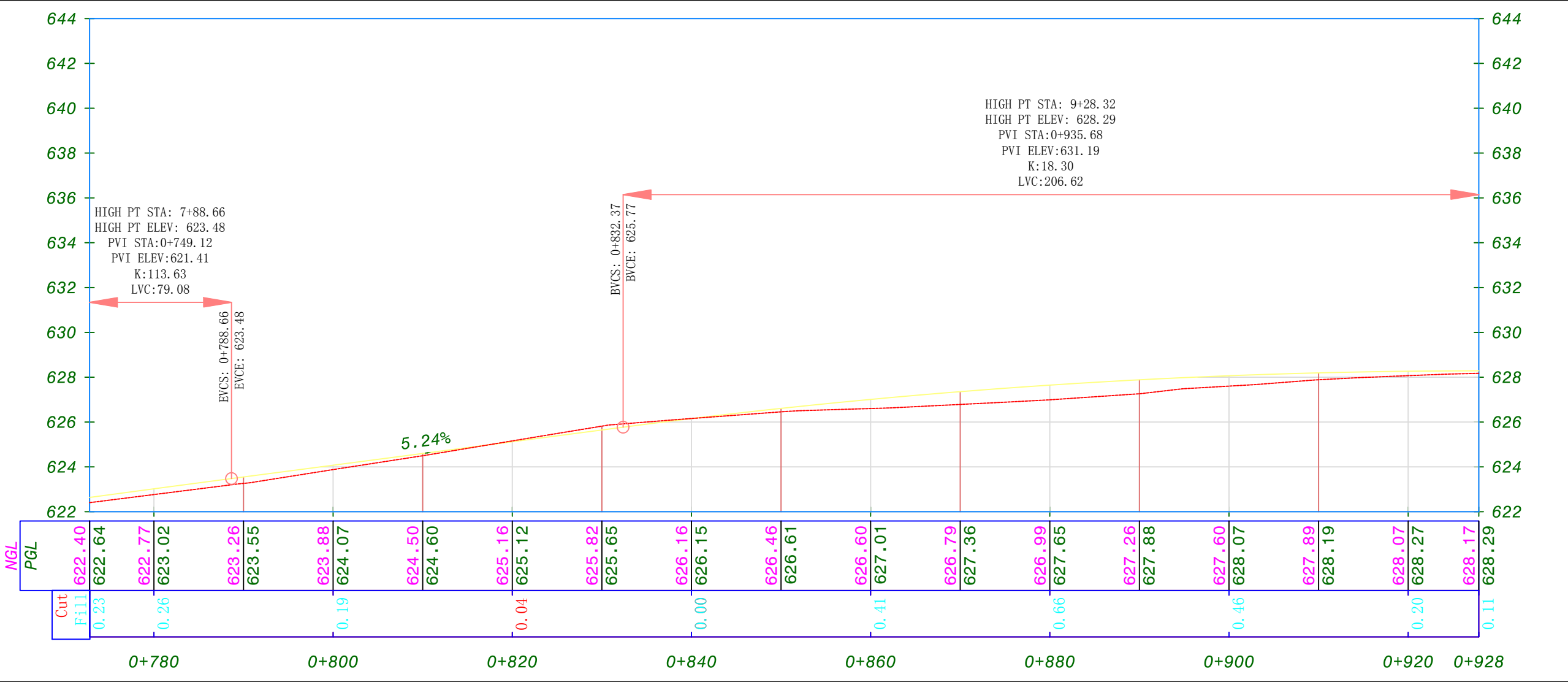
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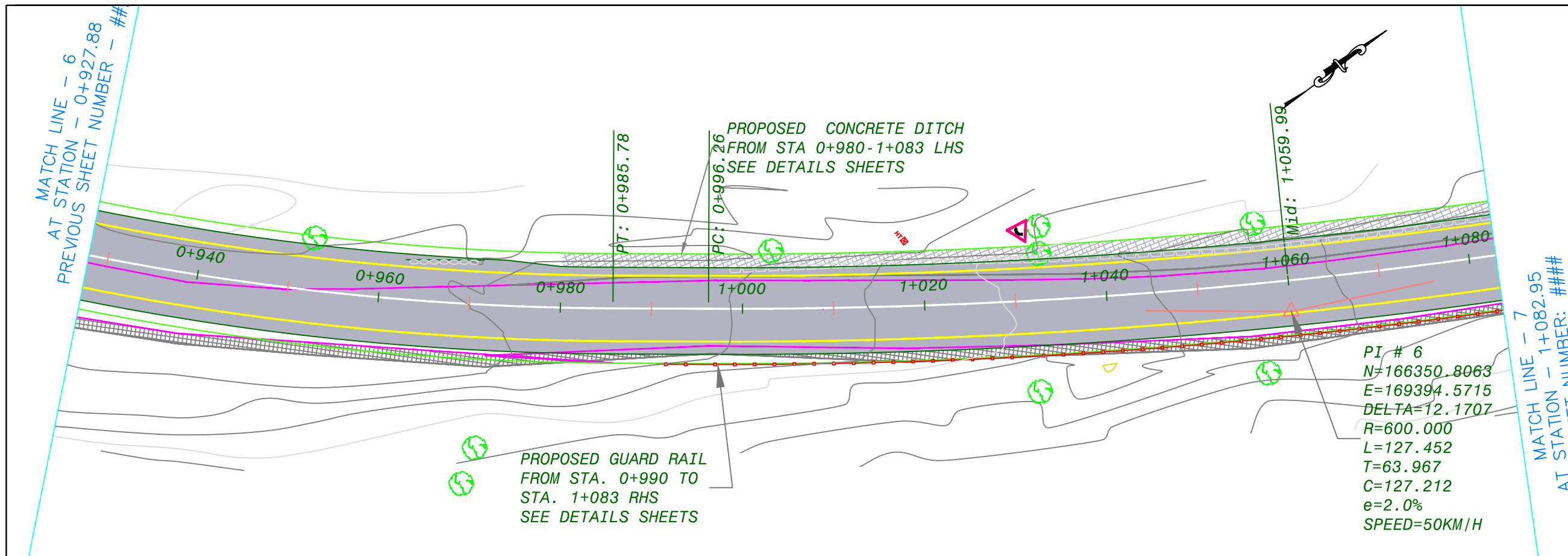
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -06
Date: MAY 2020
Drawing No.: 09





NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:

REHABILITATION OF SALFEET ENTRANCE

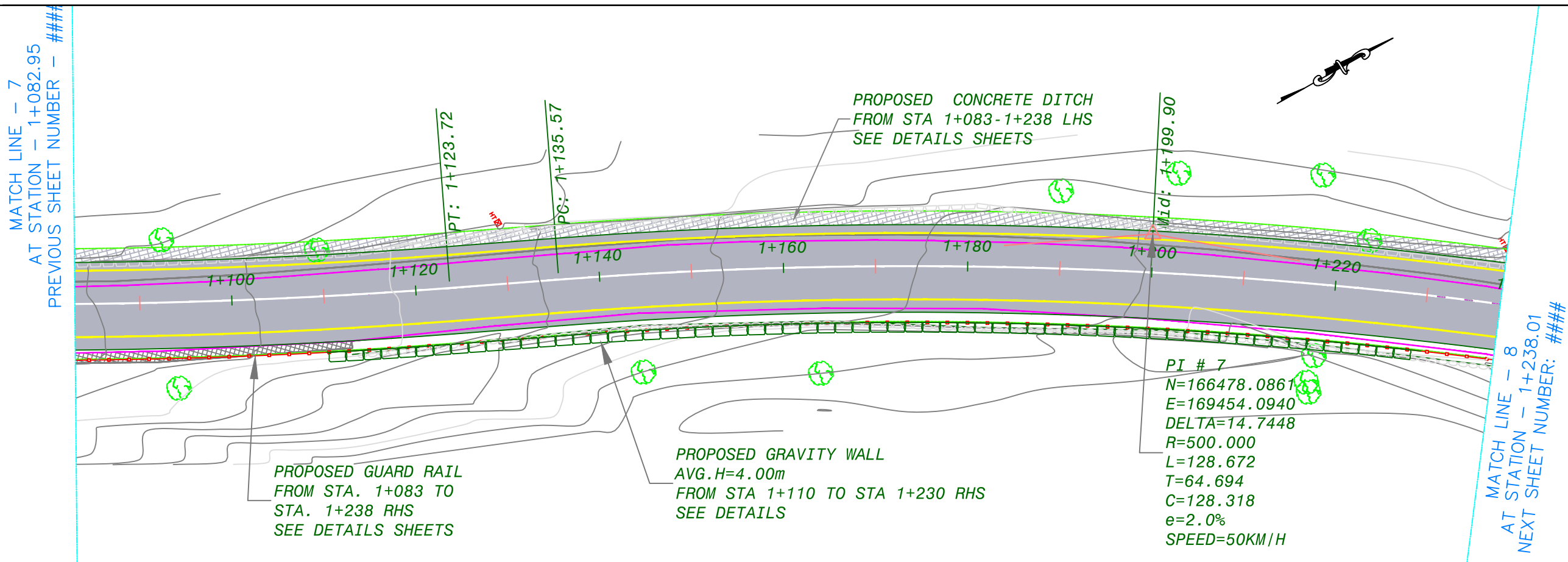
Designer Supervisor: Designed by:

Eng. Malek Alsharay'eh
 Mohammed Burghal
 Bashar Amro
 Wael Khwareh
 Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -07

Date: MAY 2020 Drawing No.: 10





NOTES :

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LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



PROJECT NAME:

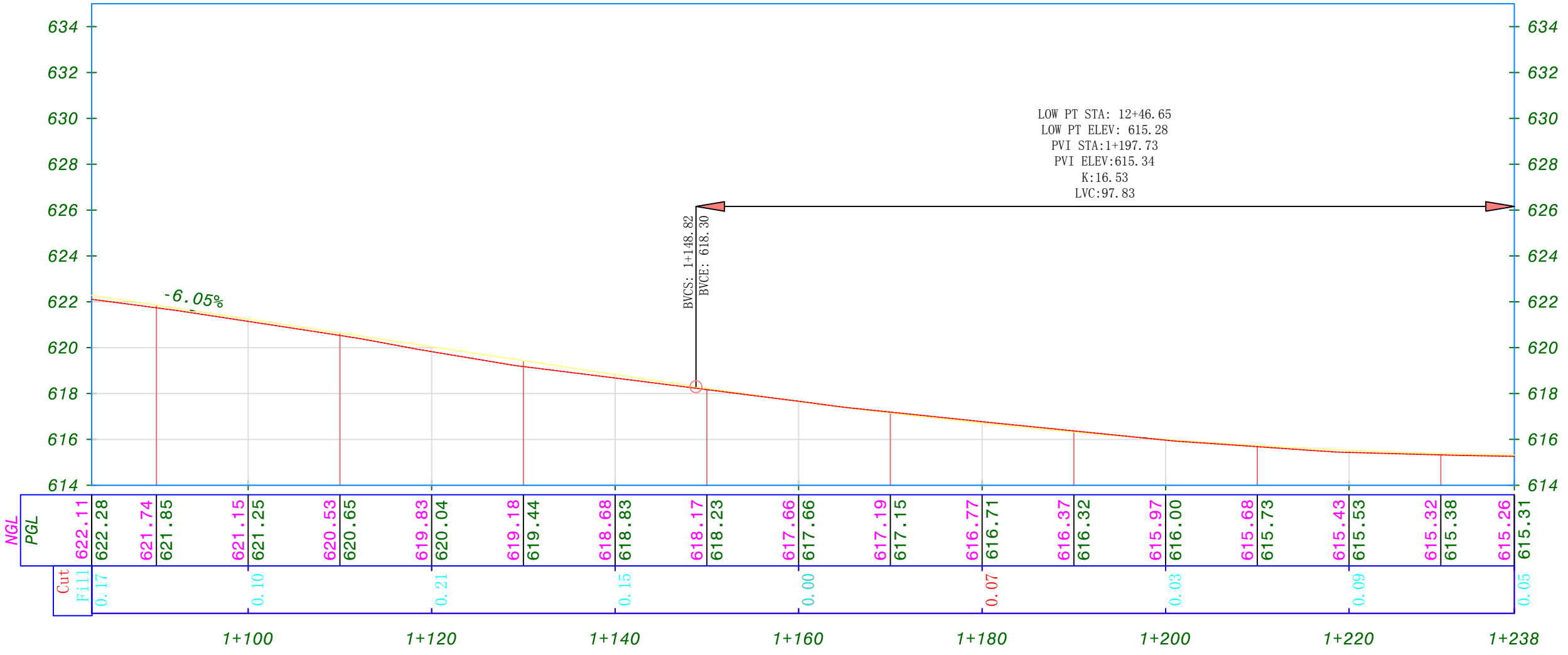
REHABILITATION OF SALFEET ENTRANCE

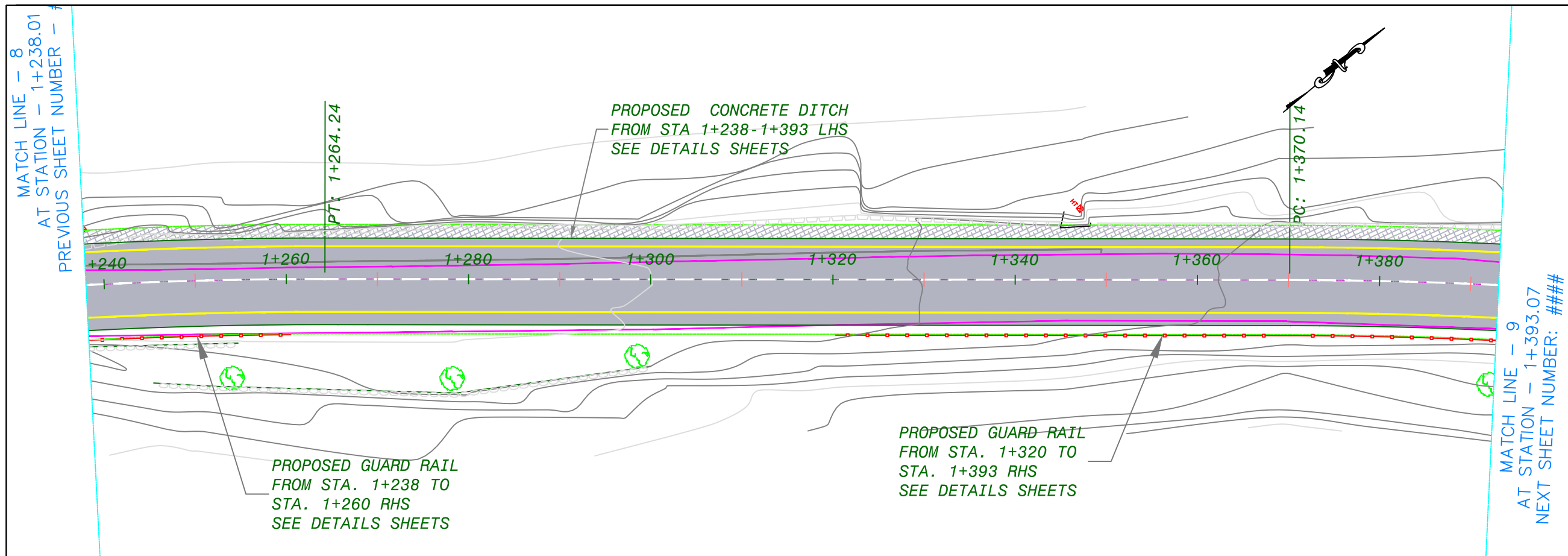
Designer Supervisor: Designed by:

Eng. Malek Alsharay'eh
 Mohammed Burghal
 Bashar Amro
 Wael Khwairah
 Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -08

Date: MAY 2020 Drawing No.: 11





NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



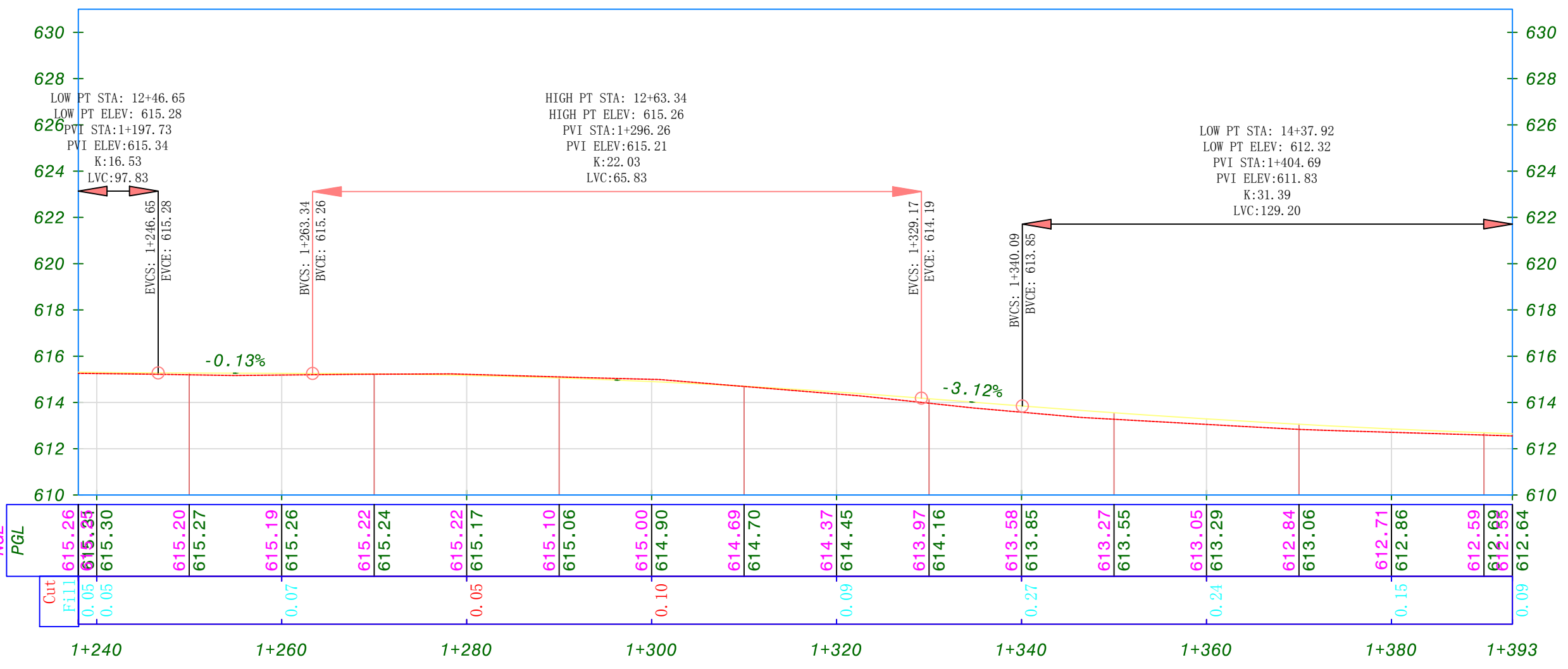
STATE OF PALESTINE

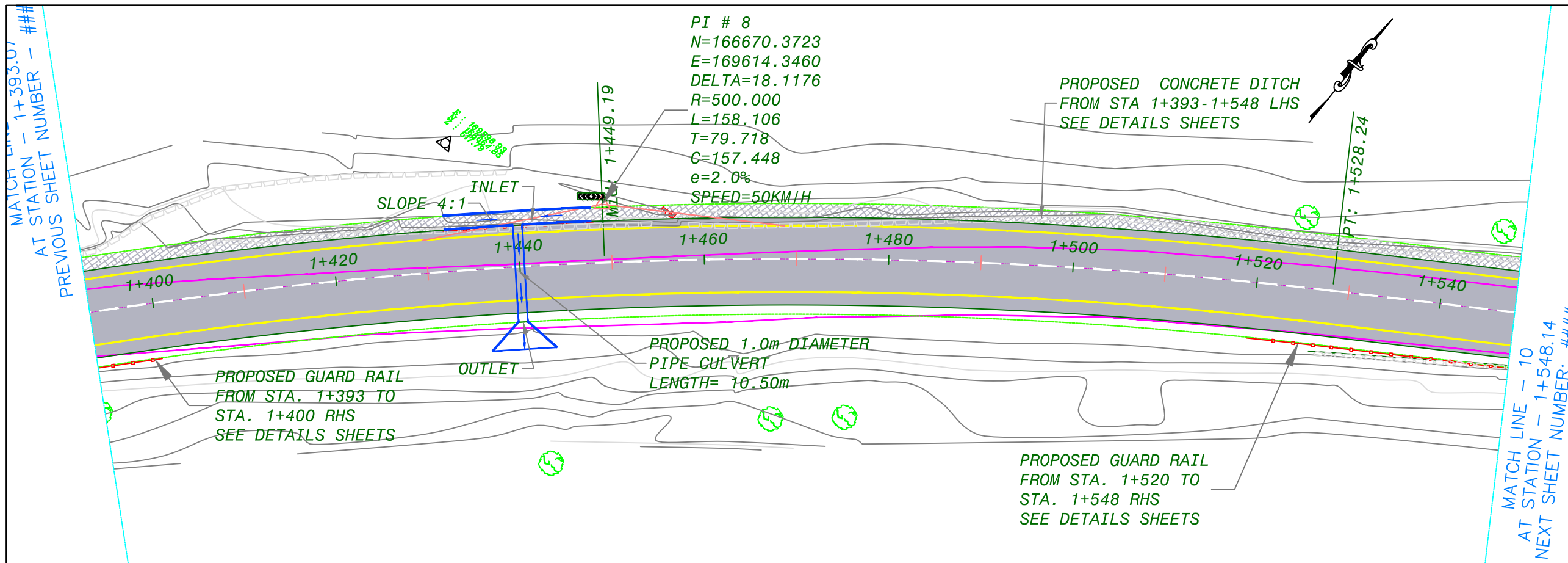
PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwareh Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -09

Date: MAY 2020 Drawing No.: 12





NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



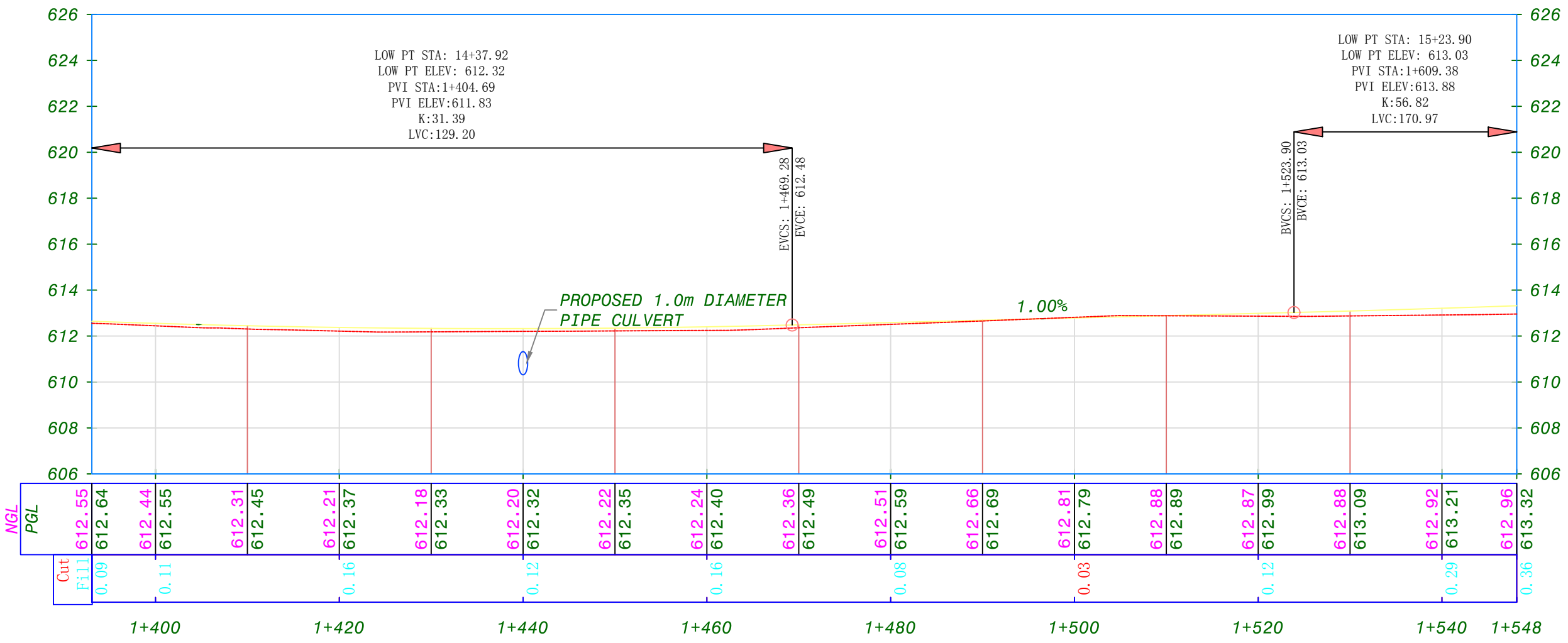
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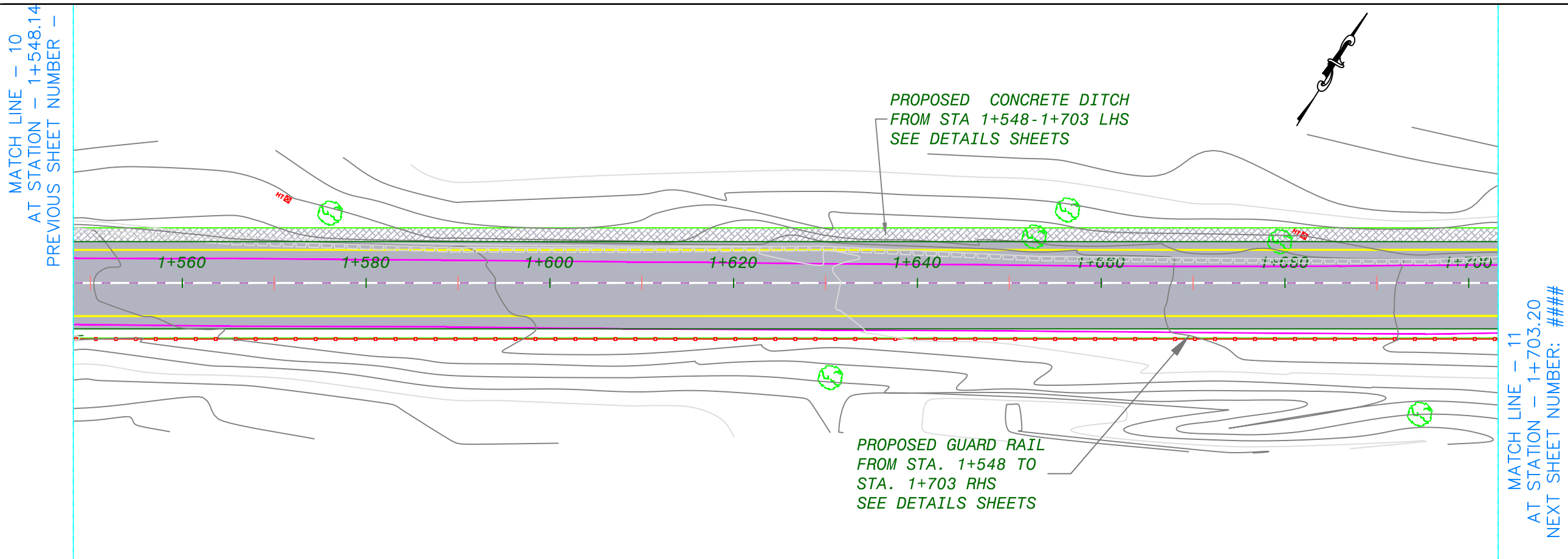
PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwareh Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -10

Date: MAY 2020 Drawing No.: 13





NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



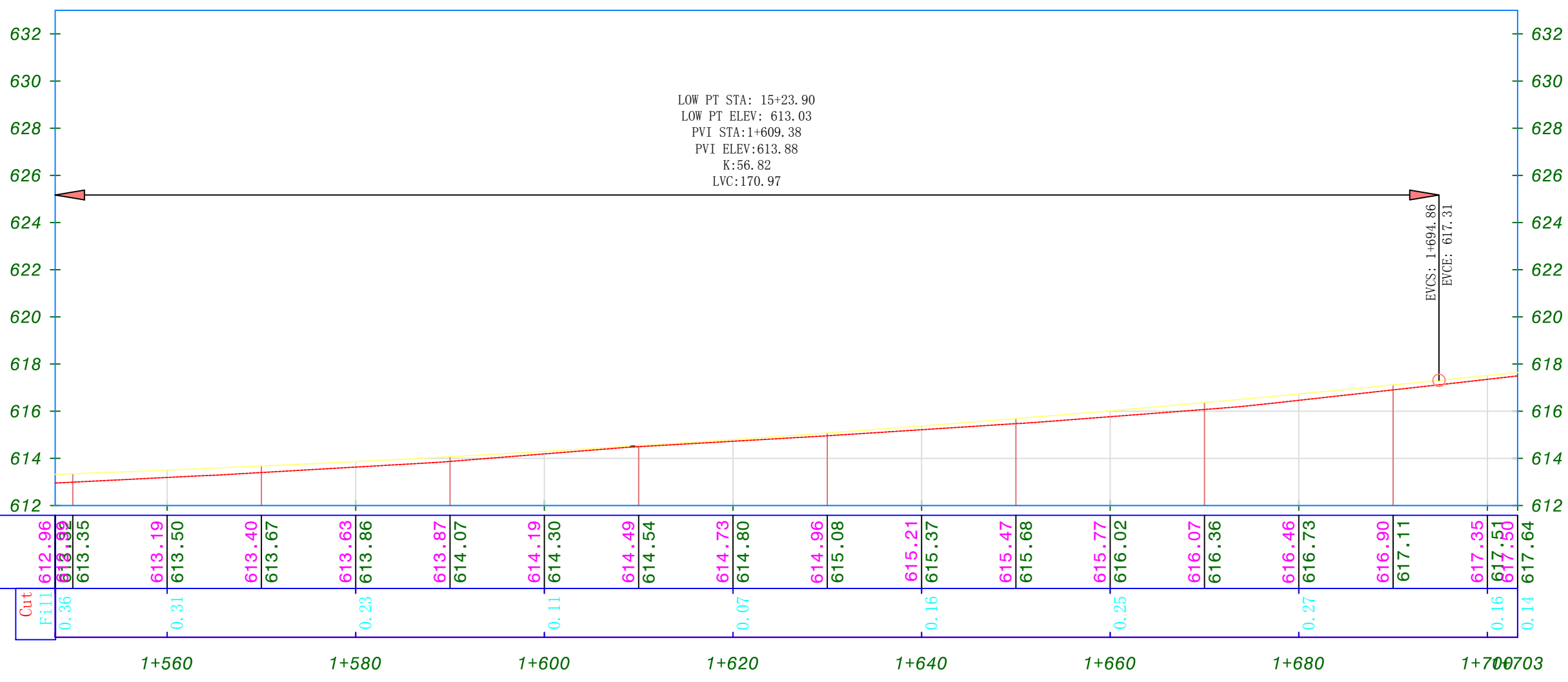
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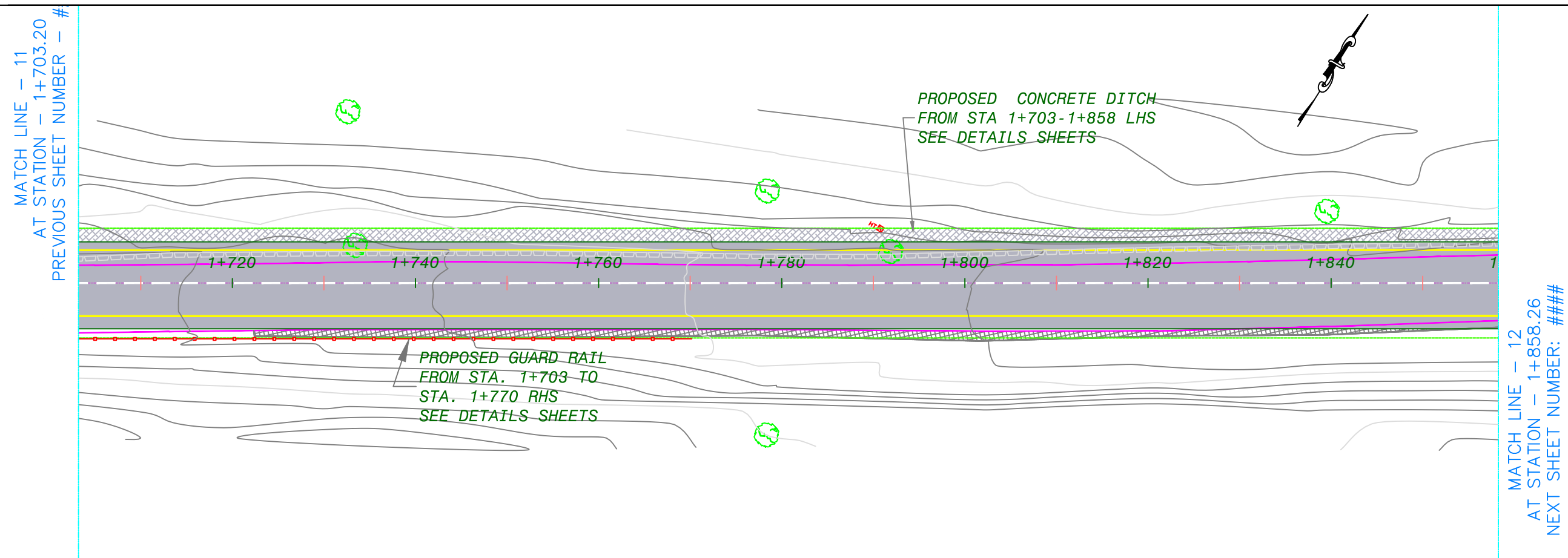
PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -11

Date: MAY 2020 Drawing No.: 14





NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL

PROPOSED:

	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DITCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:
Palestine Polytechnic University



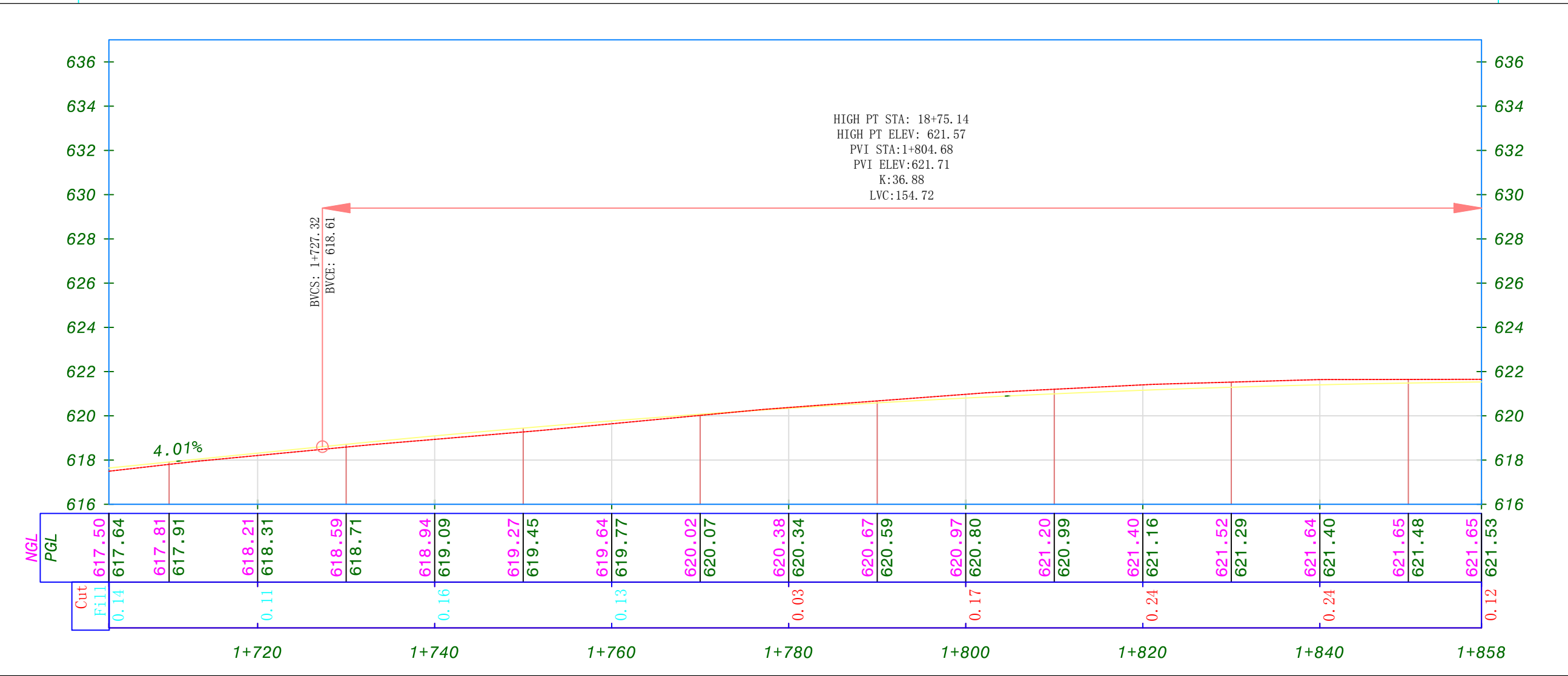
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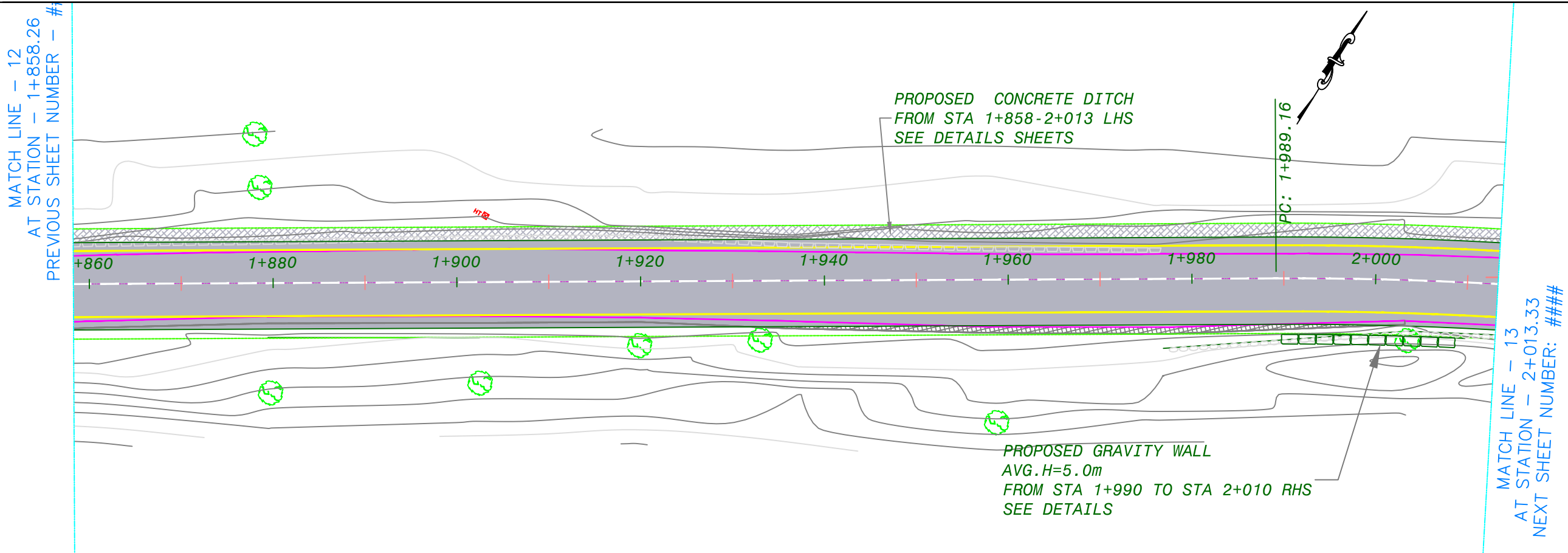


PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwareh Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -12
Date: MAY 2020 Drawing No.: 15





- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

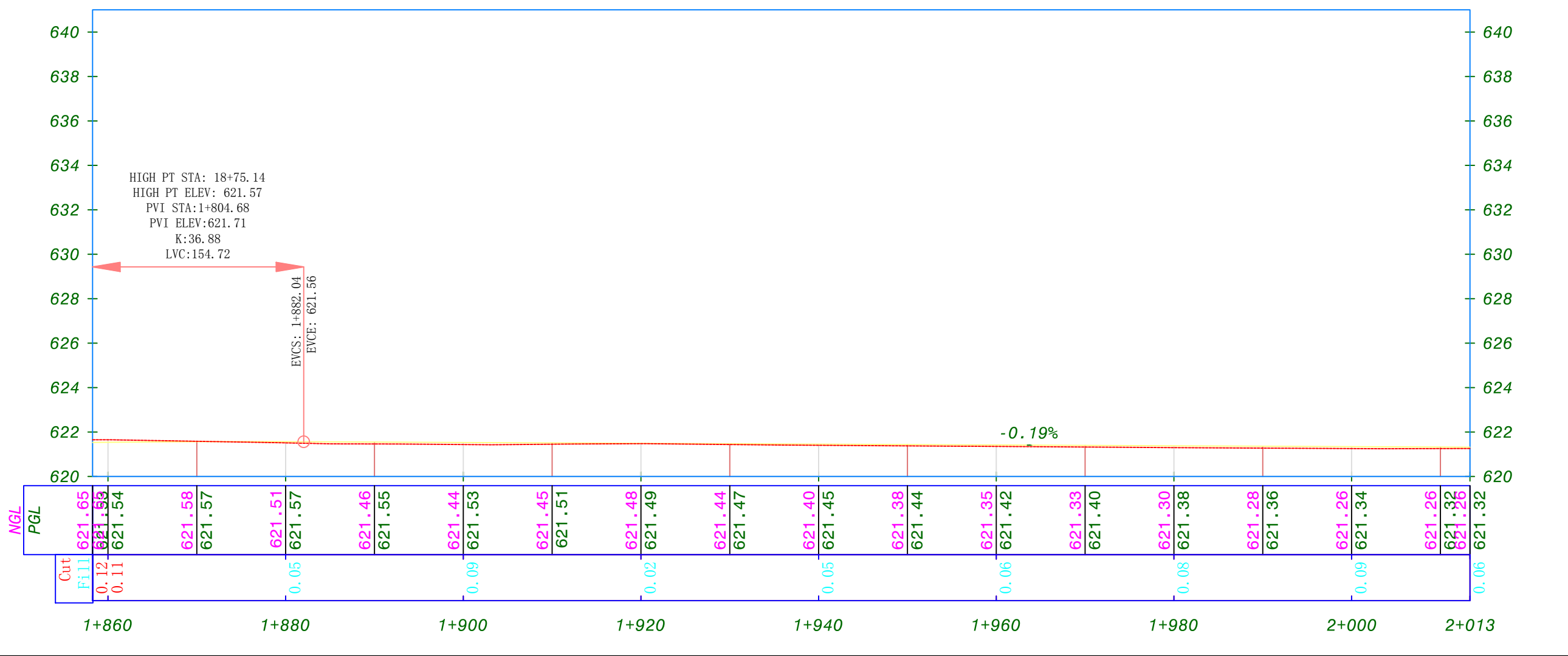
- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL



Supervision:

Palestine Polytechnic University



FUNDED BY:

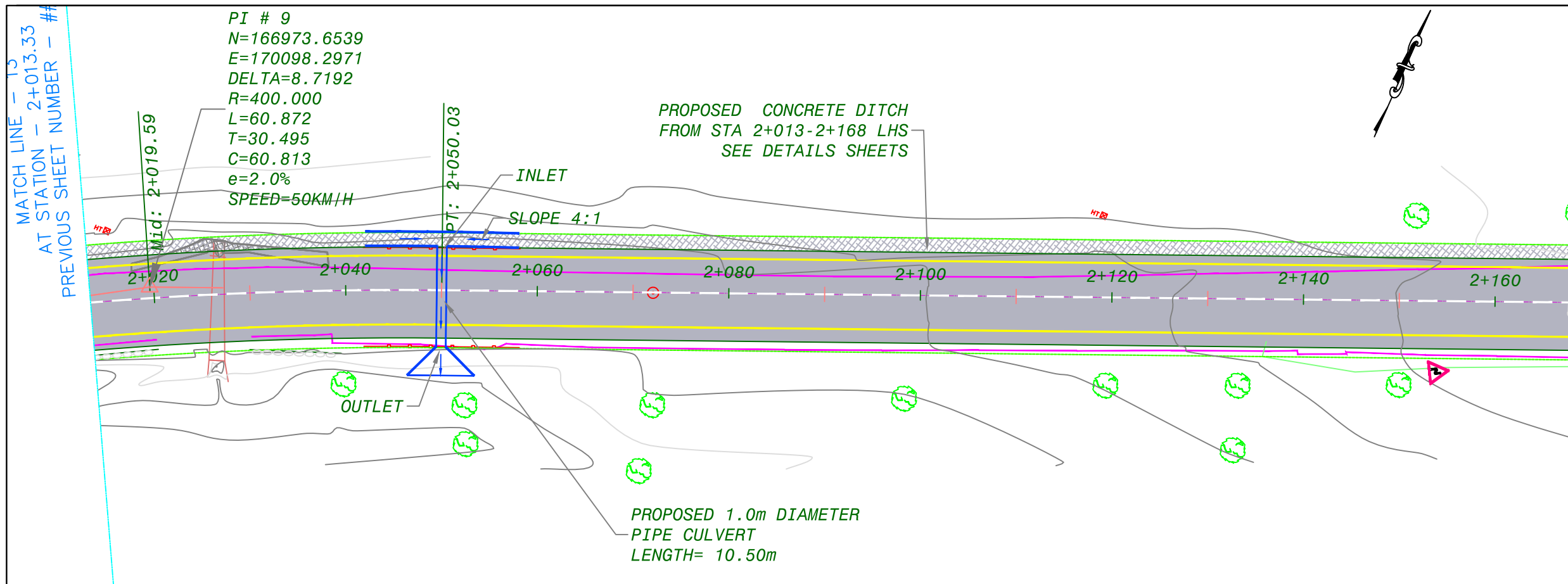


STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwaireh Anas Sulaiman

Drawing TITLE.:	PLANE & PROFILE -13
Date:	MAY 2020
Drawing No.:	16



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:

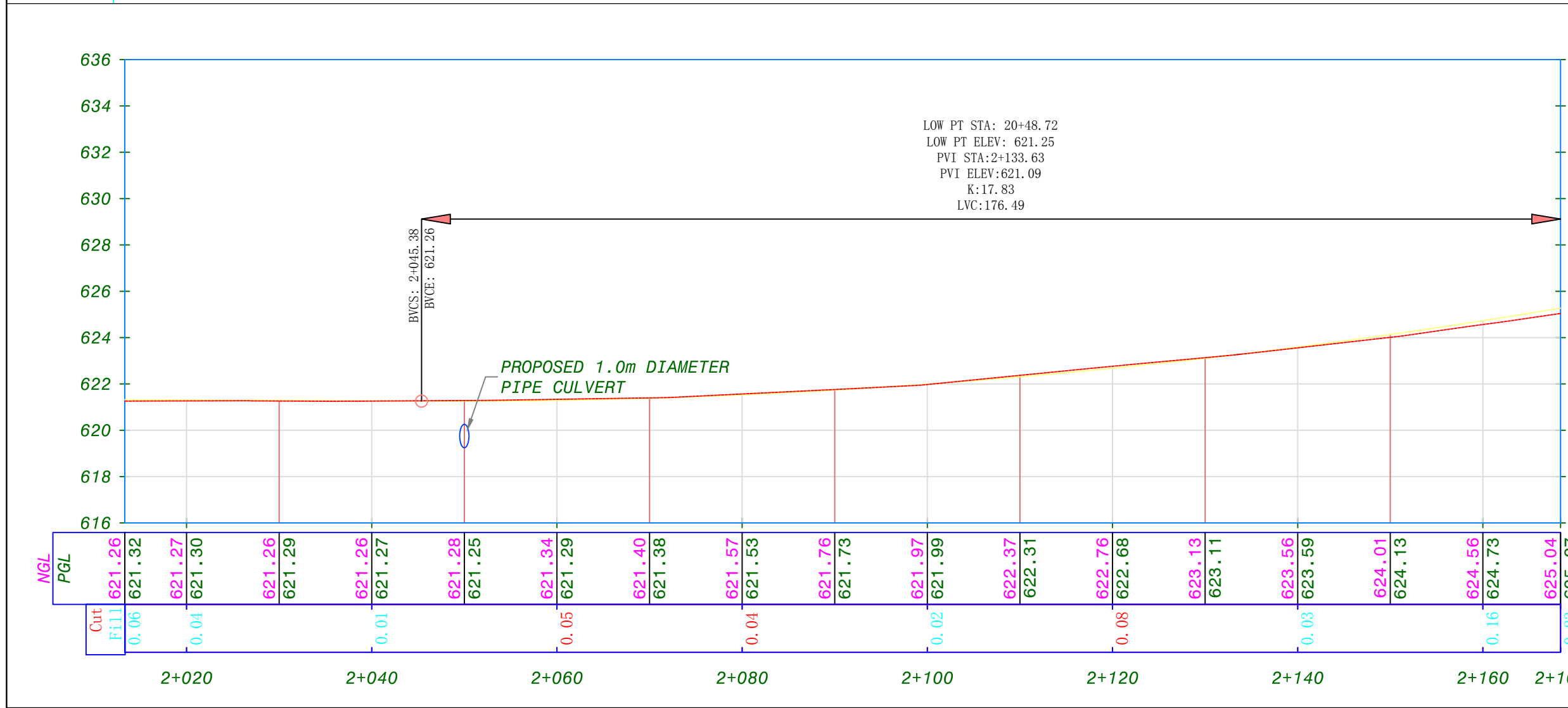
REHABILITATION OF SALFEET ENTRANCE

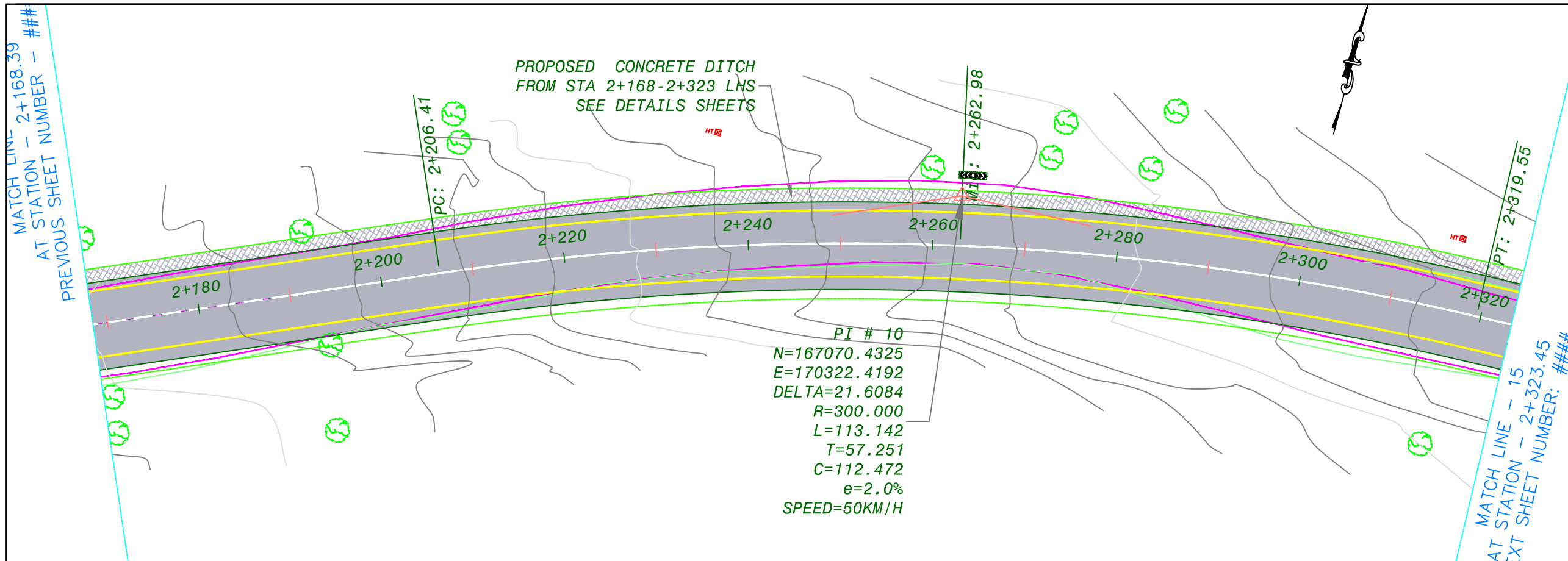
Designer Supervisor: Designed by:

Eng. Malek Alsharay'eh
 Mohammed Burghal
 Bashar Amro
 Wael Khwairah
 Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -14

Date: MAY 2020 Drawing No.: 17





NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



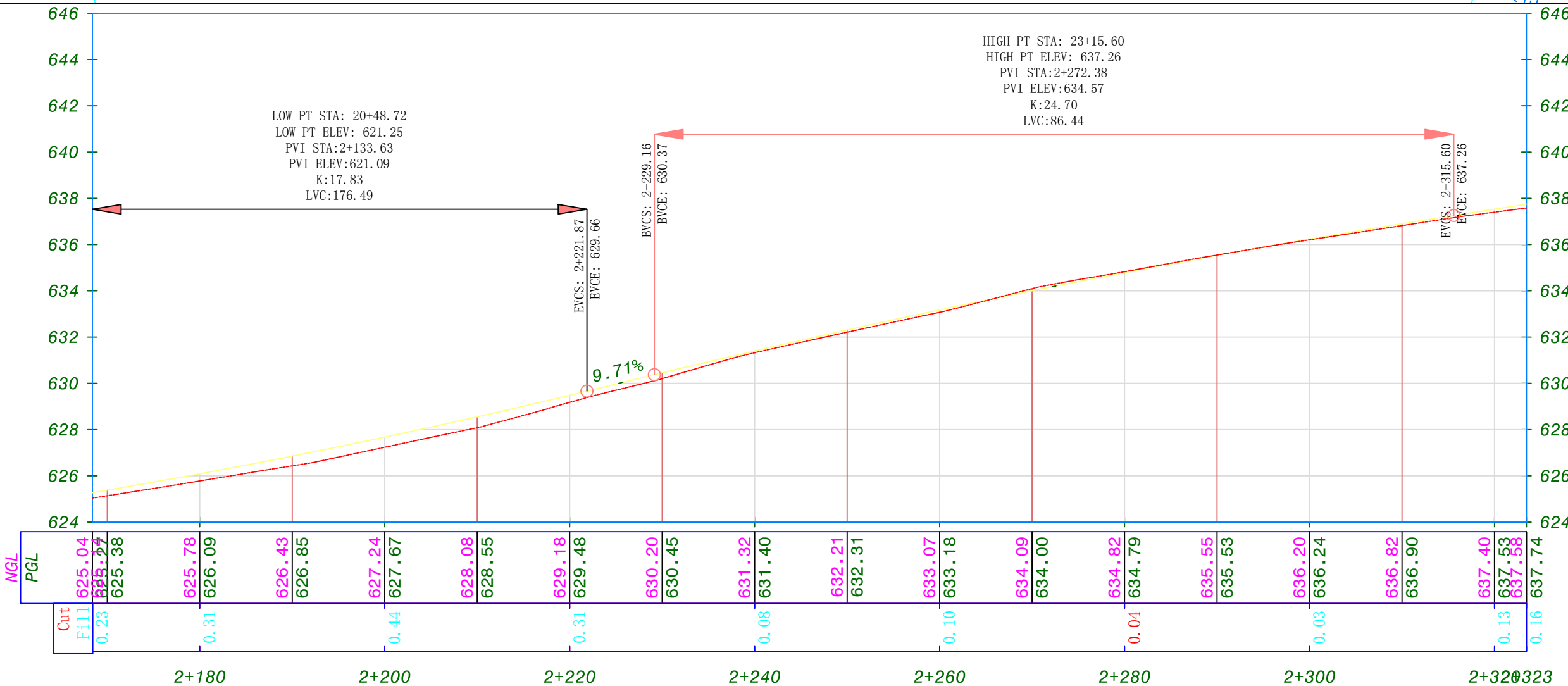
STATE OF PALESTINE

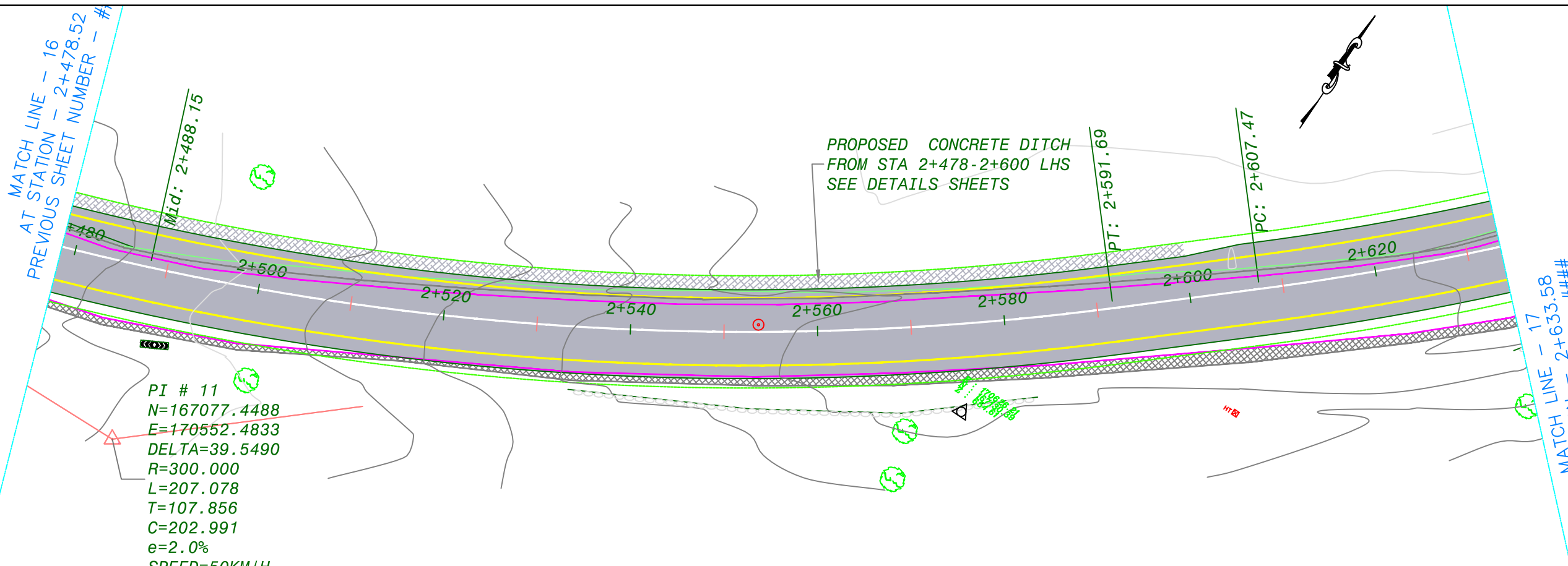
PROJECT NAME:
 REHABILITATION OF
 SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwareh Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -15

Date: MAY 2020 Drawing No.: 18





- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- Boulder Wall
- Asphalt
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

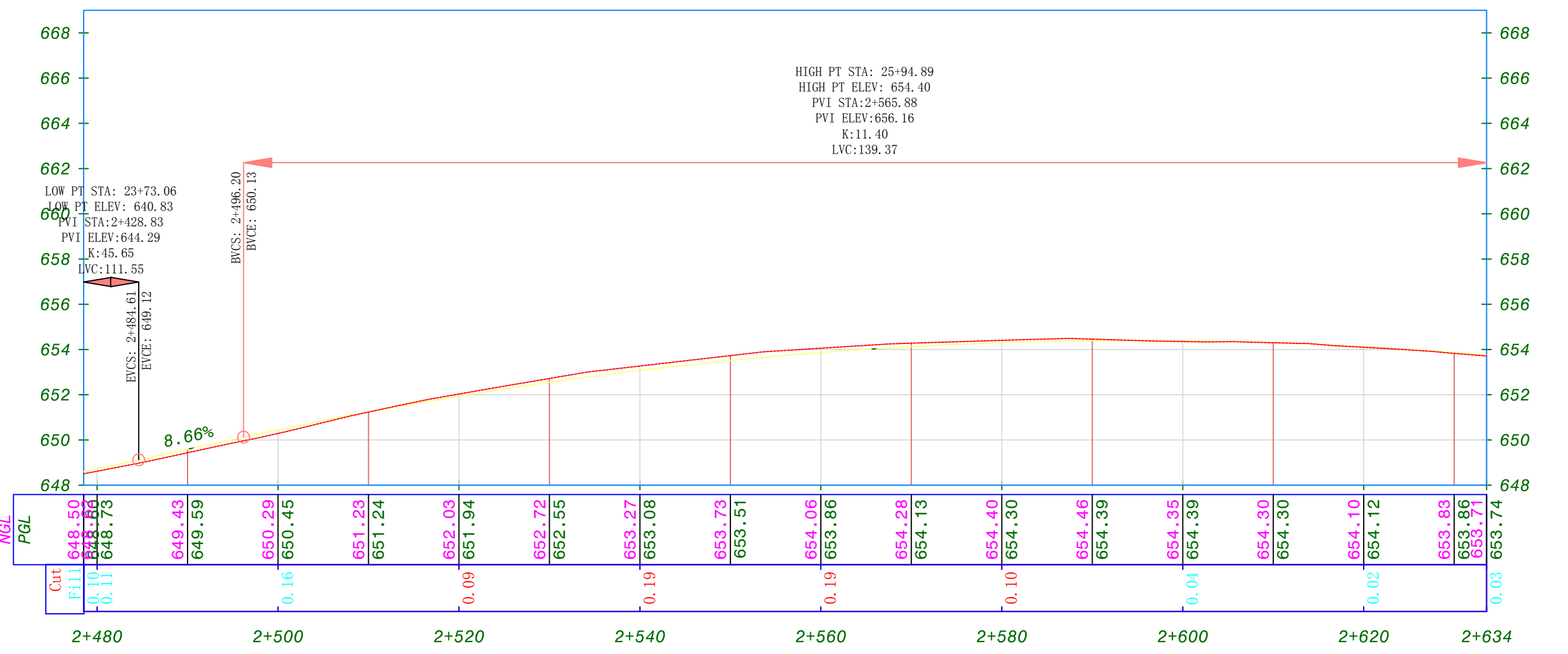
PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL (Proposed Ground Line)
- NGL (Natural Ground Line)

Supervision:
 Palestine Polytechnic University



FUNDED BY:

STATE OF PALESTINE

PROJECT NAME:
 REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh
 Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

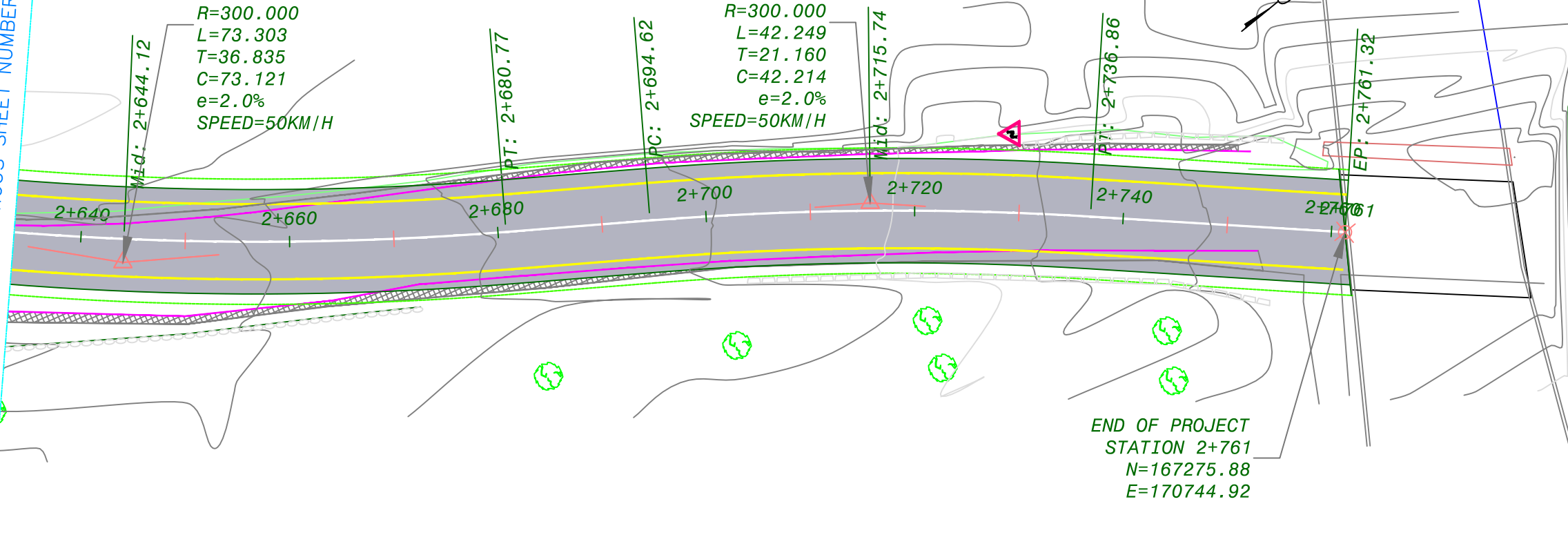
Drawing TITLE.: PLANE & PROFILE -17
 Date: MAY 2020
 Drawing No.: 20

MATCH LINE - 17
AT STATION - 2+633.58
PREVIOUS SHEET NUMBER - ###

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N=167183.3486
E=170673.0444
DELTA=13.9998
R=300.000
L=73.303
T=36.835
C=73.121
e=2.0%
SPEED=50KM/H

PI # 13
N=167242.4072
E=170713.9452
DELTA=8.0690
R=300.000
L=42.249
T=21.160
C=42.214
e=2.0%
SPEED=50KM/H

END OF PROJECT
STATION 2+761
N=167275.88
E=170744.92



- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- Boulder Wall
 - Asphalt
 - CON. SHOULDER
 - CURB STONE
 - HT (High Tension)
 - Tree
 - Cliff
 - Stone Wall
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL (Proposed Ground Line)
- NGL (Natural Ground Line)

Supervision:

Palestine Polytechnic University



FUNDED BY:



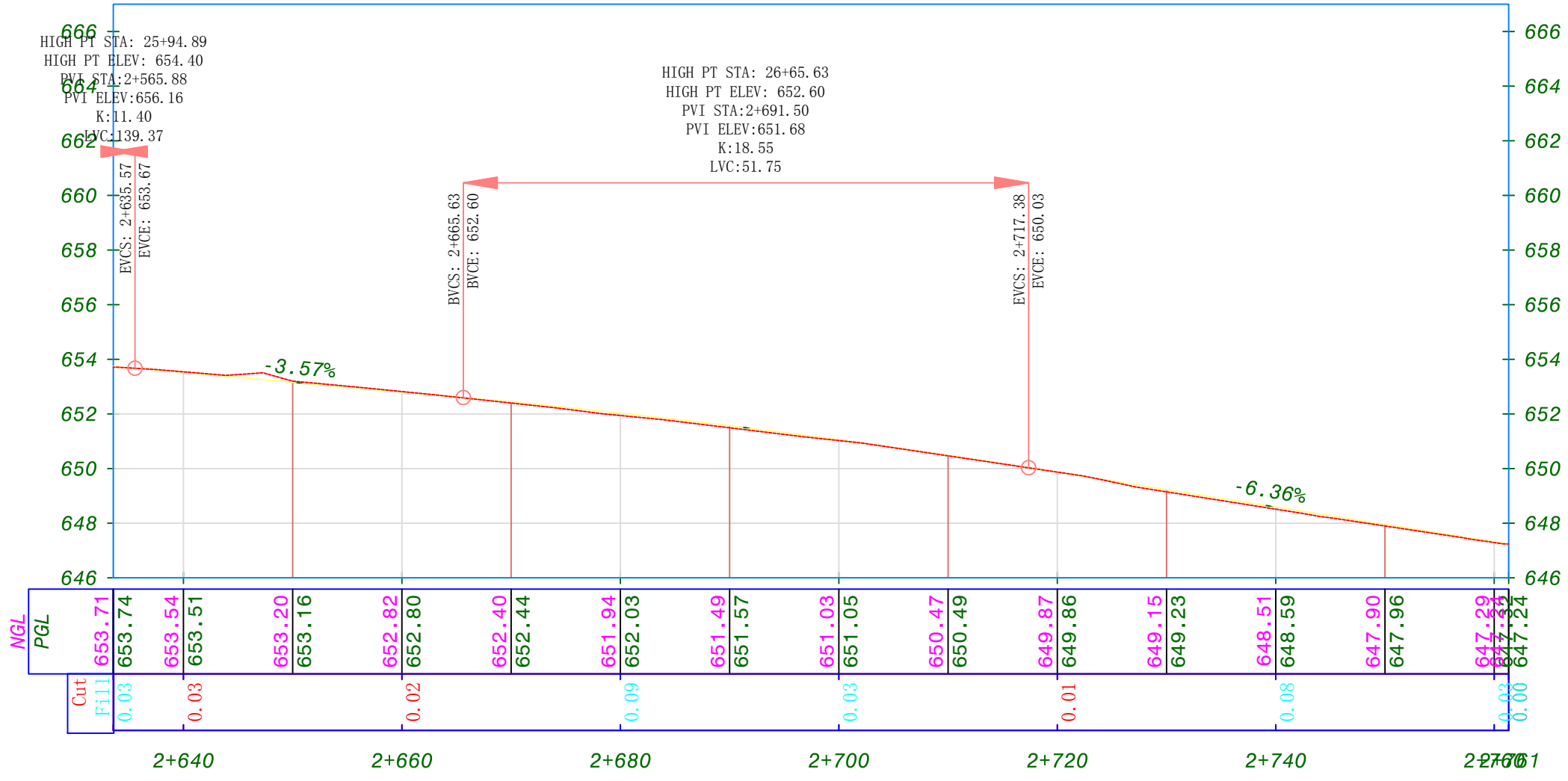
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwaireh, Anas Sulaiman

Drawing TITLE.: PLANE & PROFILE -18

Date: MAY 2020 Drawing No.: 21



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

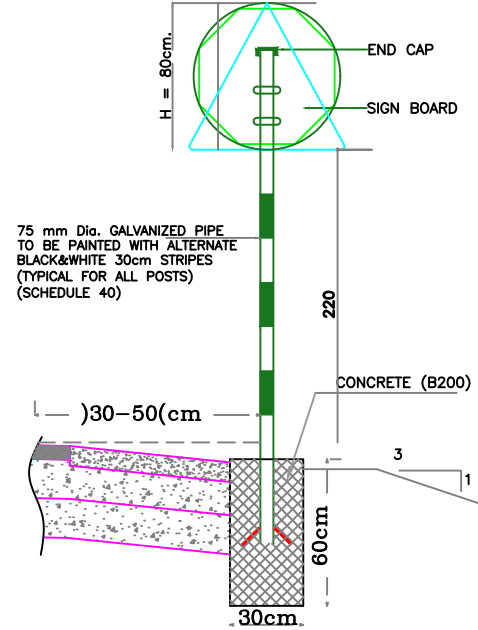
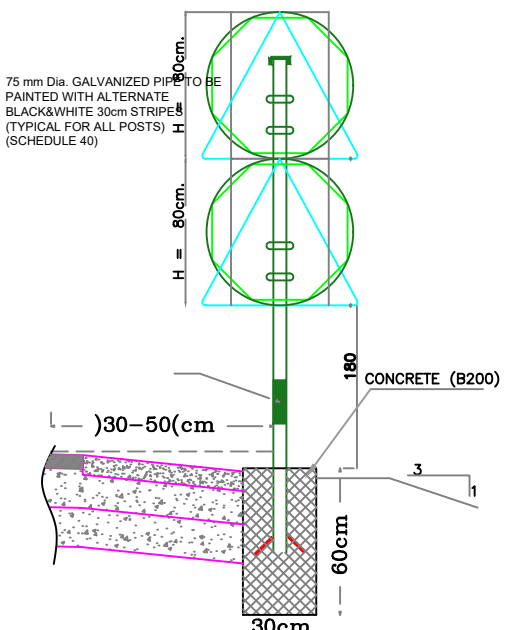
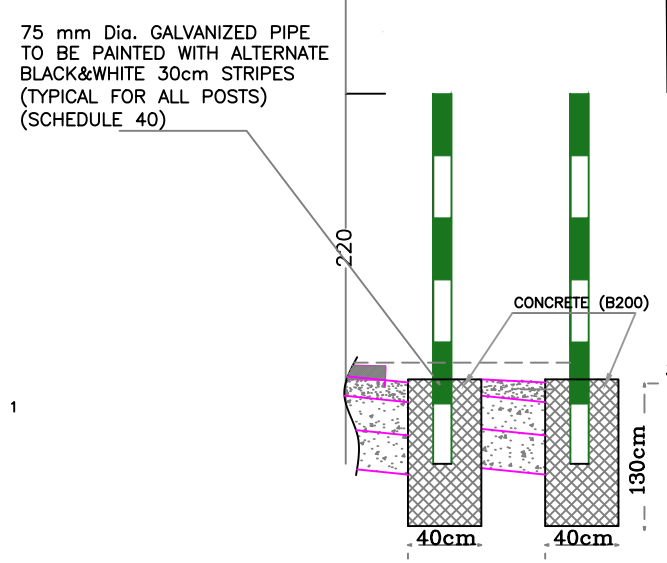
PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

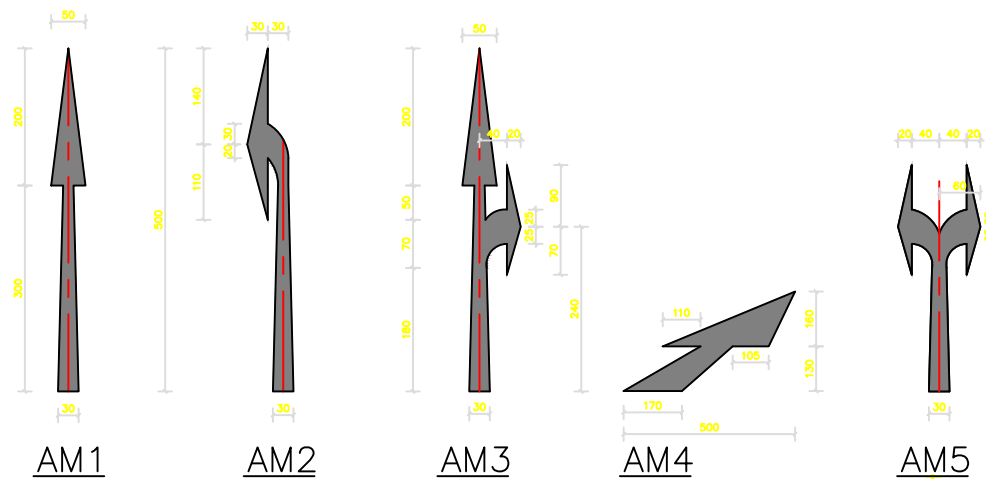
Designer Supervisor: Eng. Malek Alsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: DT-01

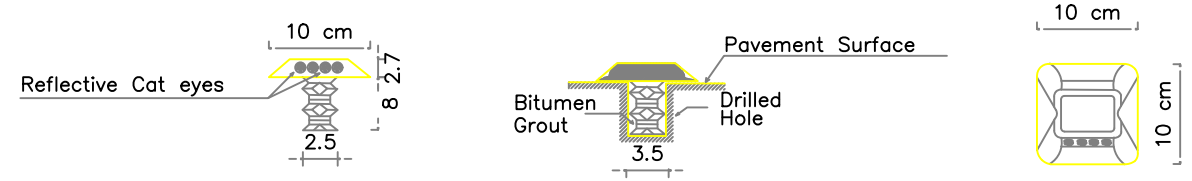
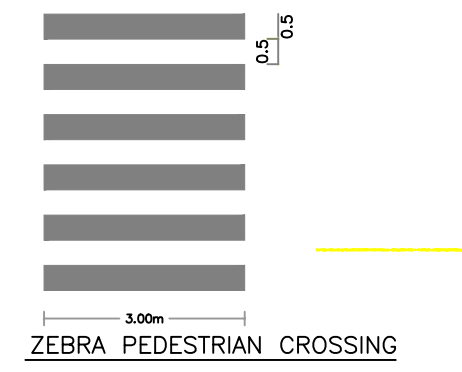
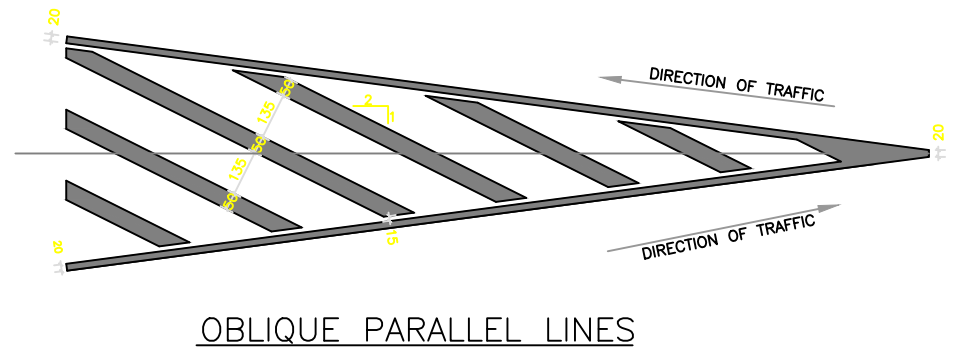
Date: MAY 2020 Drawing No.: 22

37-B 2-A 	3-A 	6-A 	7-A 	13-A 	14-A 	15-A 	17-A 	
20-B 	20-B 	21-B 	20-B 	14 	RS1 	RS2 	RS3 	24-C
<p>160</p> <p>25.5 Hebrew 16 Arabic 11 English</p> <p>150</p> <p>75 mm Dia. GALVANIZED PIPE TO BE PAINTED WITH ALTERNATE BLACK&WHITE 30cm STRIPES (TYPICAL FOR ALL POSTS) (SCHEDULE 40)</p> <p>CONCRETE (B200)</p> <p>80cm</p> <p>30cm</p> <p>30cm</p>				<p>32-C </p> <p>49-B </p> <p>2-B </p> <p>36-B </p> <p>3-B </p> <p>13-C </p>				





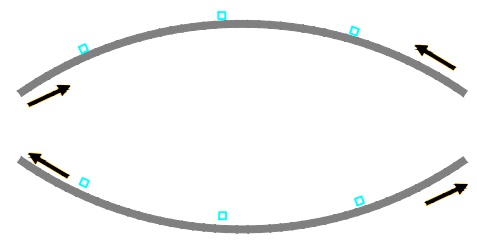
NOTE:
Road Marking Shall Be Thermo Plastic.



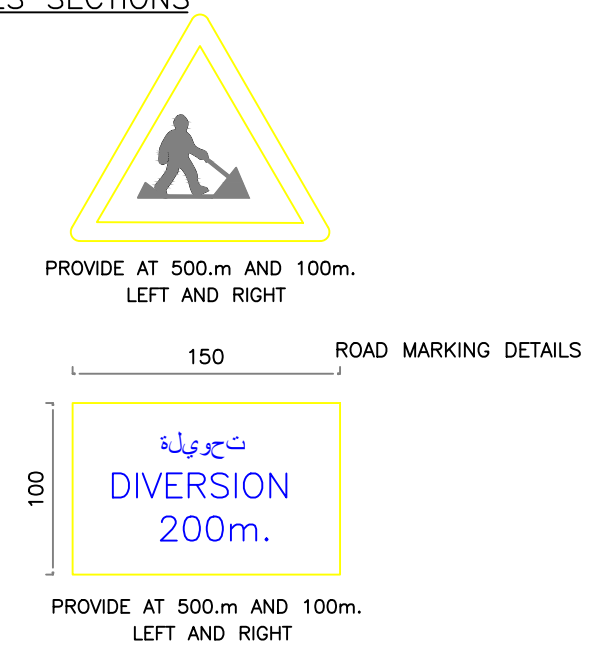
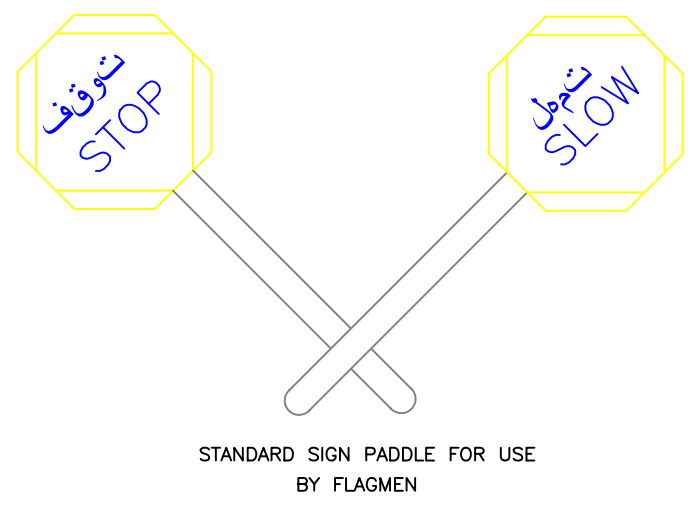
PAINTING TYPE	DISTANCE BETWEEN STUDS
LM1 (EDGE)	12 m
LM1 (CENTER)	6 m
LM5	6 m

Location of Cat Eyes for Continuous Painting on Convex Curves

Location of Cat Eyes for Continuous Painting on Convey Curves



PAINTING AND STUDS LOCATION DETAILS IN CURVES SECTIONS



- NOTES :
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University

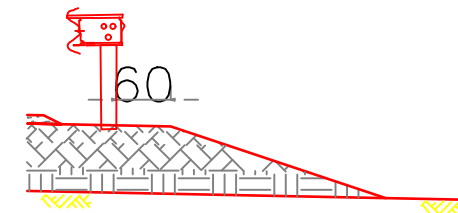
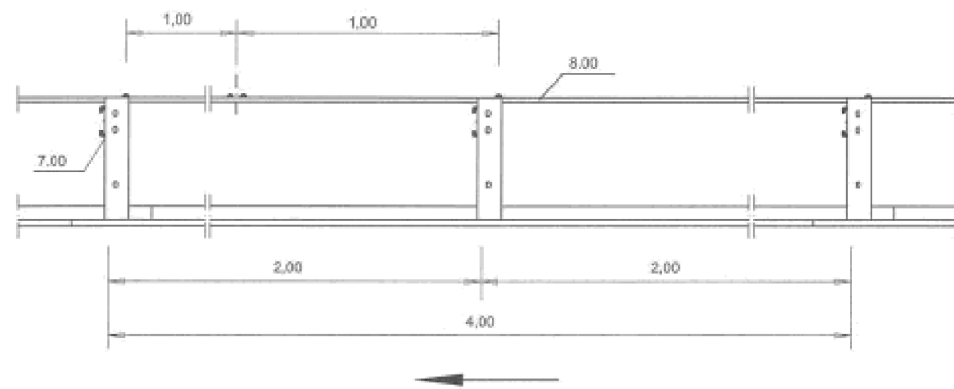
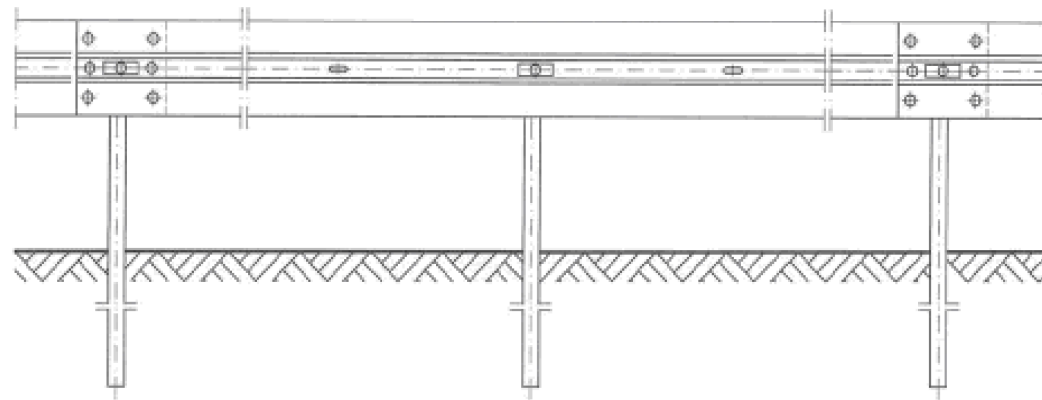
FUNDED BY:

STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek ALsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: DT-02
Date: MAY 2020 Drawing No.: 23



Guard Rail Location			
Station		Length (m)	Side
From	To		
0+450	0+860	410	RHS
0+990	1+260	270	RHS
1+320	1+400	80	RHS
1+520	1+770	250	RHS
1+880	2+050	170	RHS

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



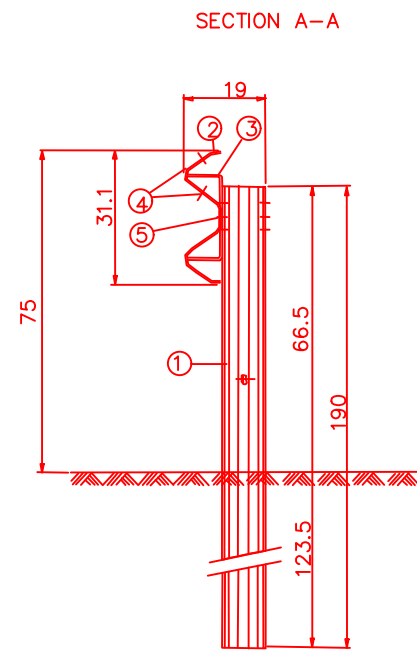
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

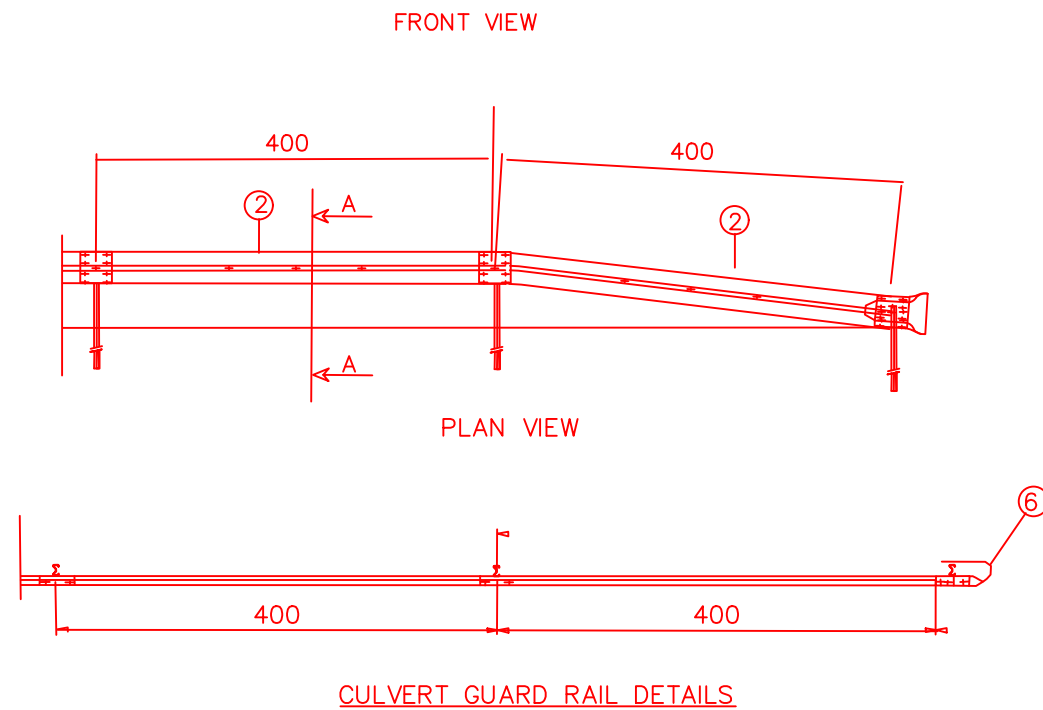
Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: DT-03

Date: MAY 2020 Drawing No.: 24



MITRED TERMINAL L=12 m FOR SINGLE SIDE SAEFTY BARRIER CLASS N2.



CULVERT GUARD RAIL DETAILS

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:	
	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL
PROPOSED:	
	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DETCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



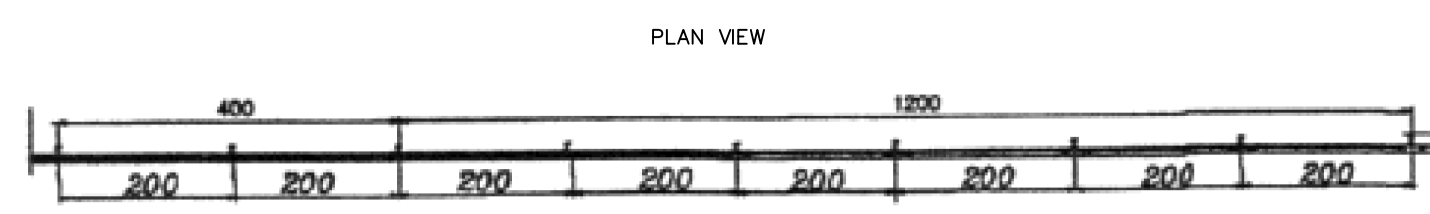
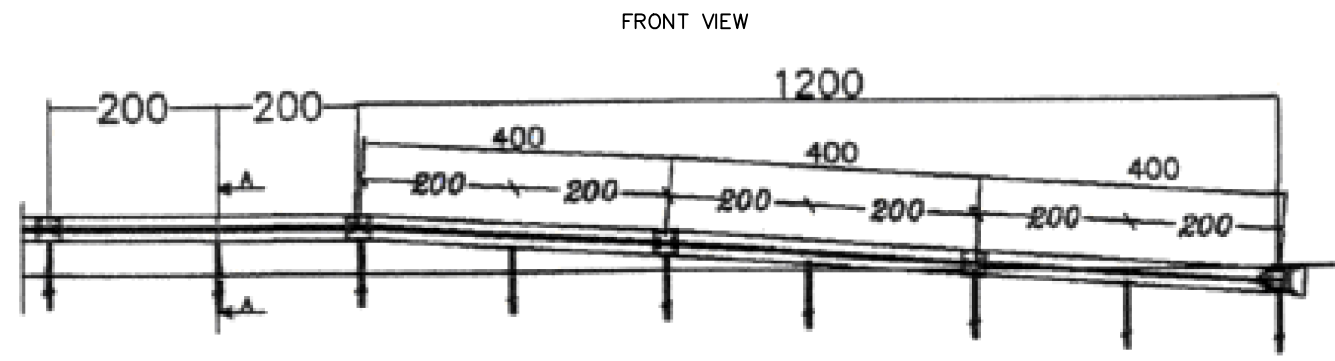
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

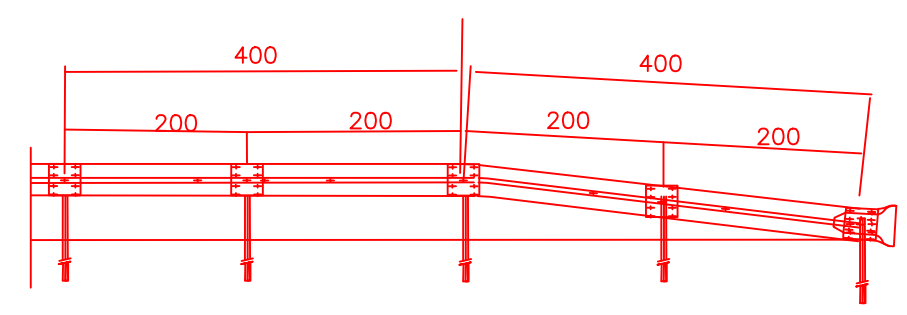
Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: DT-04

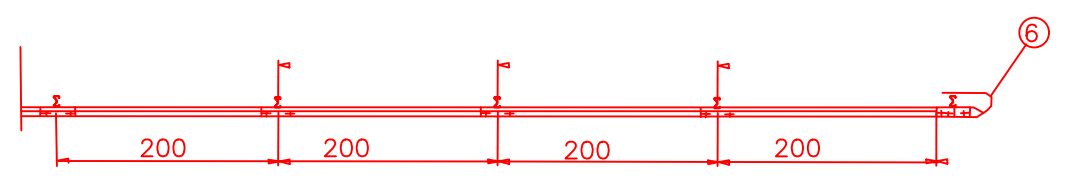
Date: MAY 2020 Drawing No.: 25



GUARD RAIL TAPER DETAILS



PLAN VIEW



CULVERT GUARD RAIL DETAILS

GUARD RAIL DETAILS

MITRED TERMINAL L=12 m FOR EDSP-02-H1-A-W5 .

NOTE:
For guard rail with length LESS than 50m use 4m taper length

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:	
	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL
PROPOSED:	
	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DETCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



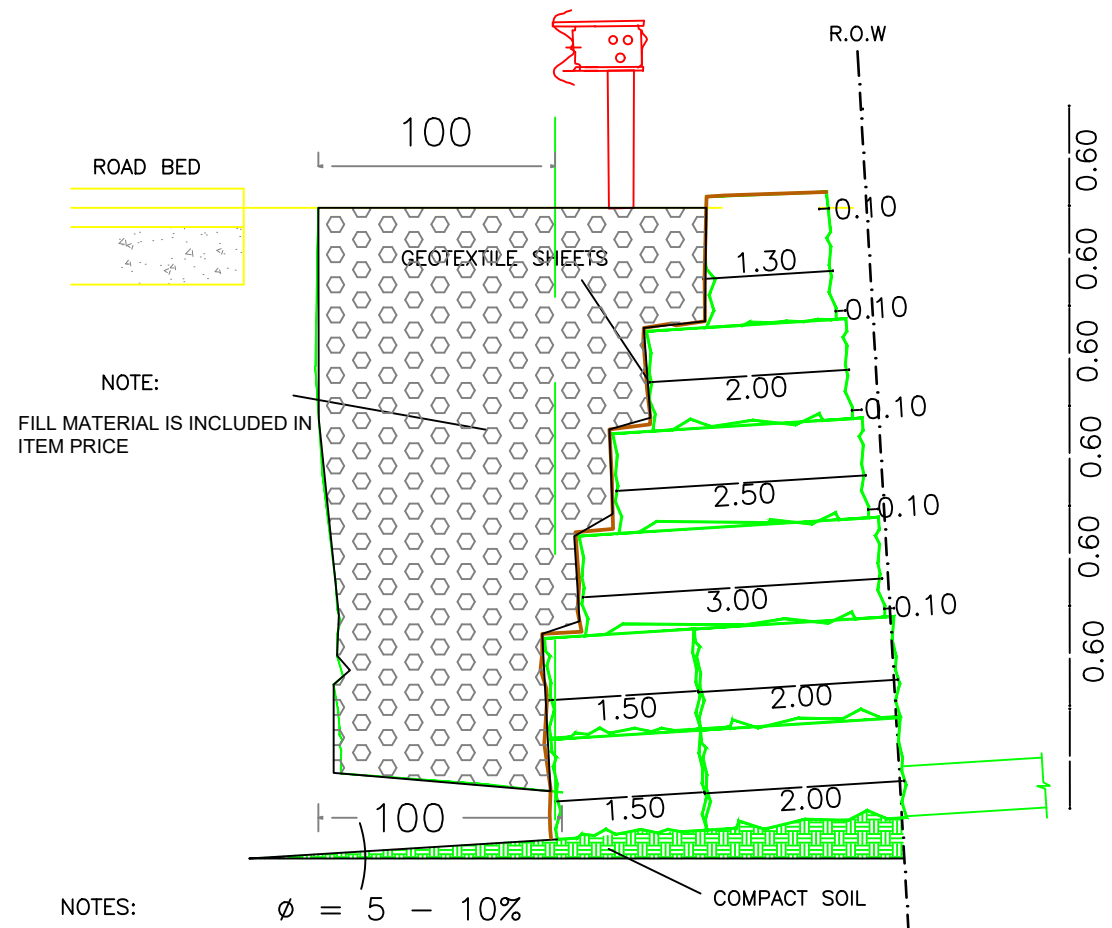
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: DT-05

Date: MAY 2020 Drawing No.: 26



NOTE:
FILL MATERIAL IS INCLUDED IN
ITEM PRICE

NOTES:

$\phi = 5 - 10\%$

COMPACT SOIL

- 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.
(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 . INSTLLATION AND BACKFILLING
- 5-BACKFILLING BEHIND THE STONES (MARABEE) SHALL BE DONE PER THE CONTRACT SPECIFICATION IN SECTION 2.06

NOTES :

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4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:	
	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL
PROPOSED:	
	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DETCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:

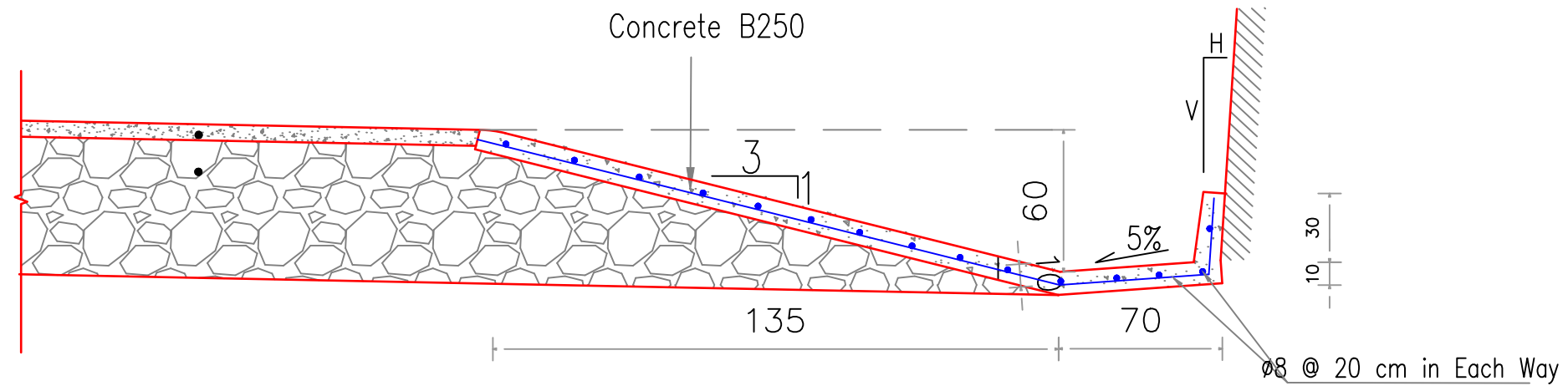
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Designed by:

Eng.Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman
-----------------------	---

Drawing TITLE.: DT-06

Date: MAY 2020 Drawing No.:27



CONCRETE SIDE DITCH DETAIL
DETAIL "A"

CONCRETE SIDE DITCH-DETAIL A		
STATION		SIDE
From	To	
0+980	2+600	LHS

NOTES :

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3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: DT-07

Date: MAY 2020 Drawing No.: 28

NOTES :

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2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL

- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



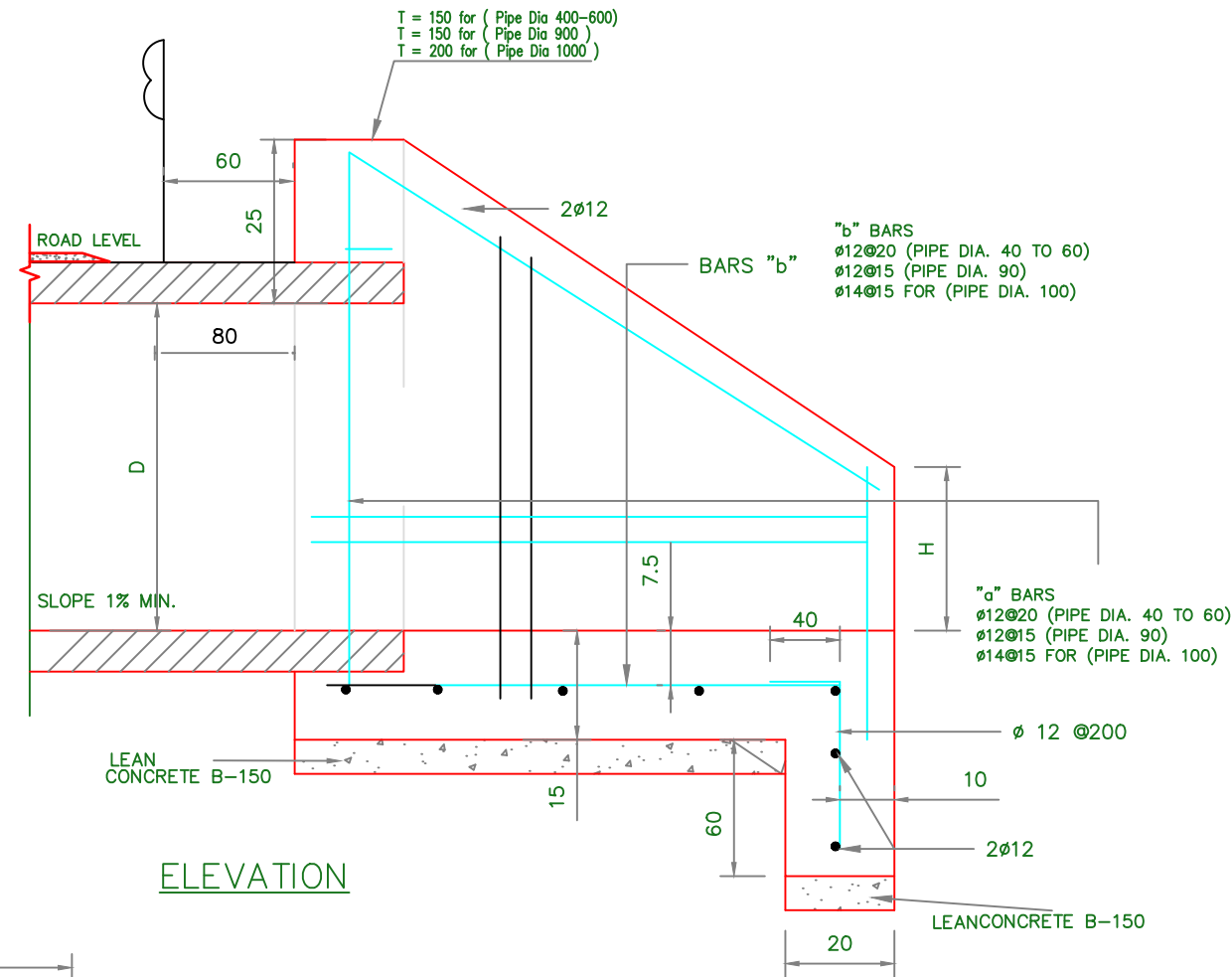
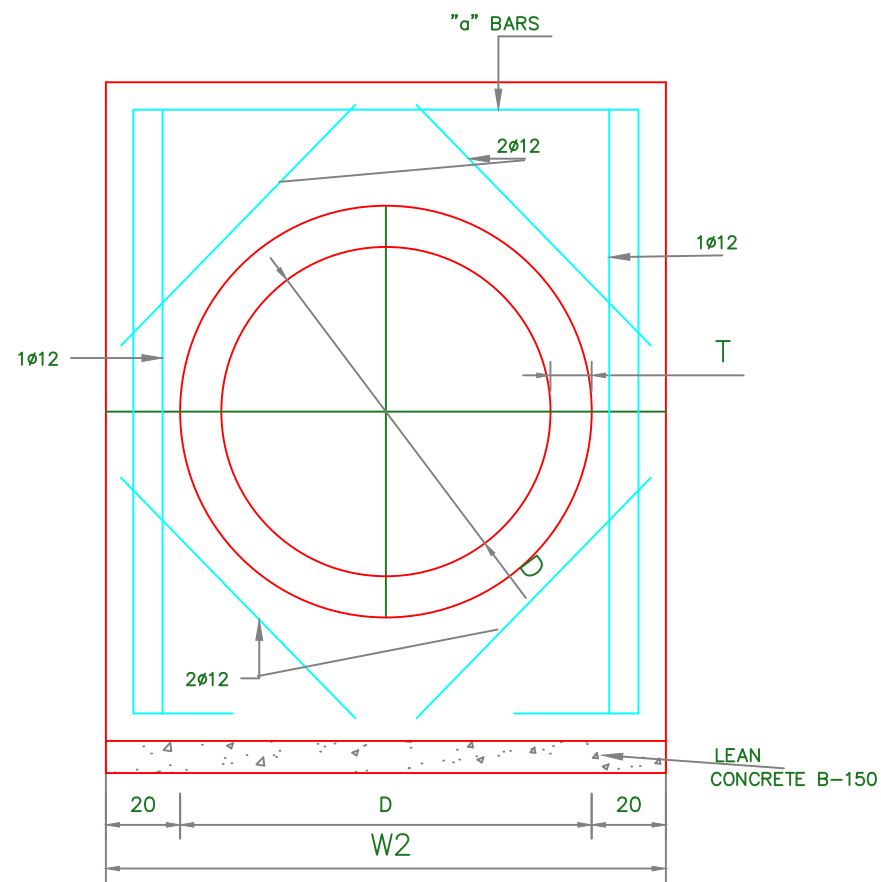
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: DT-08

Date: MAY 2020 Drawing No.: 29



ELEVATION

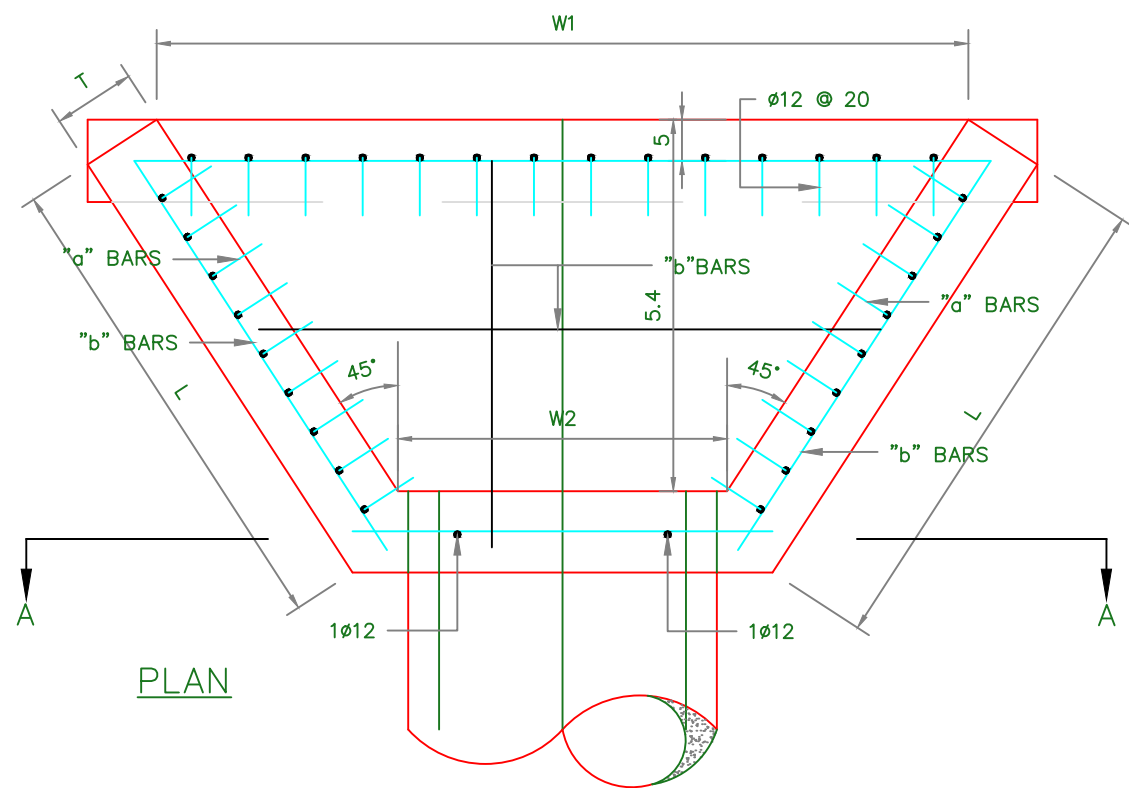
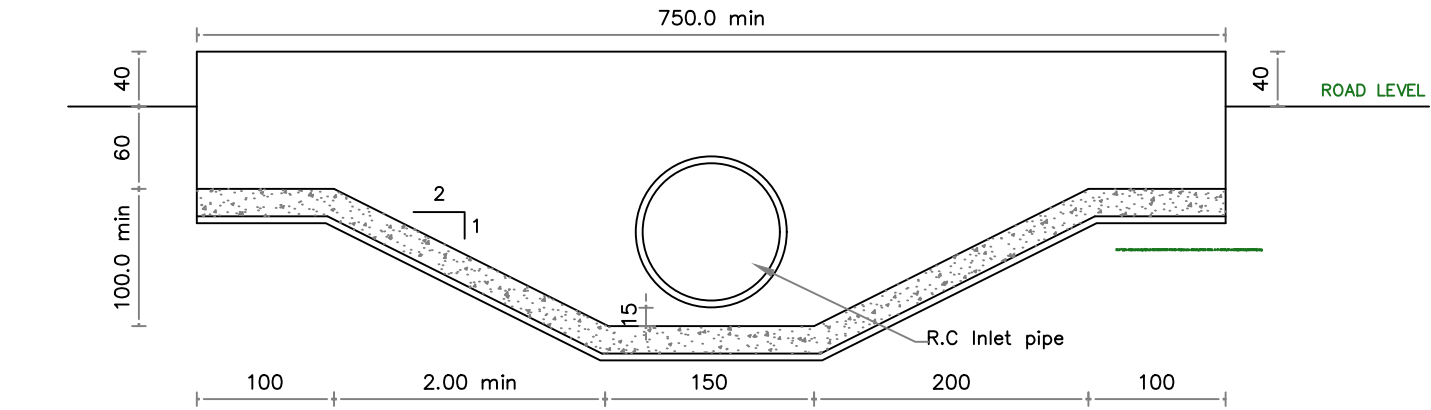
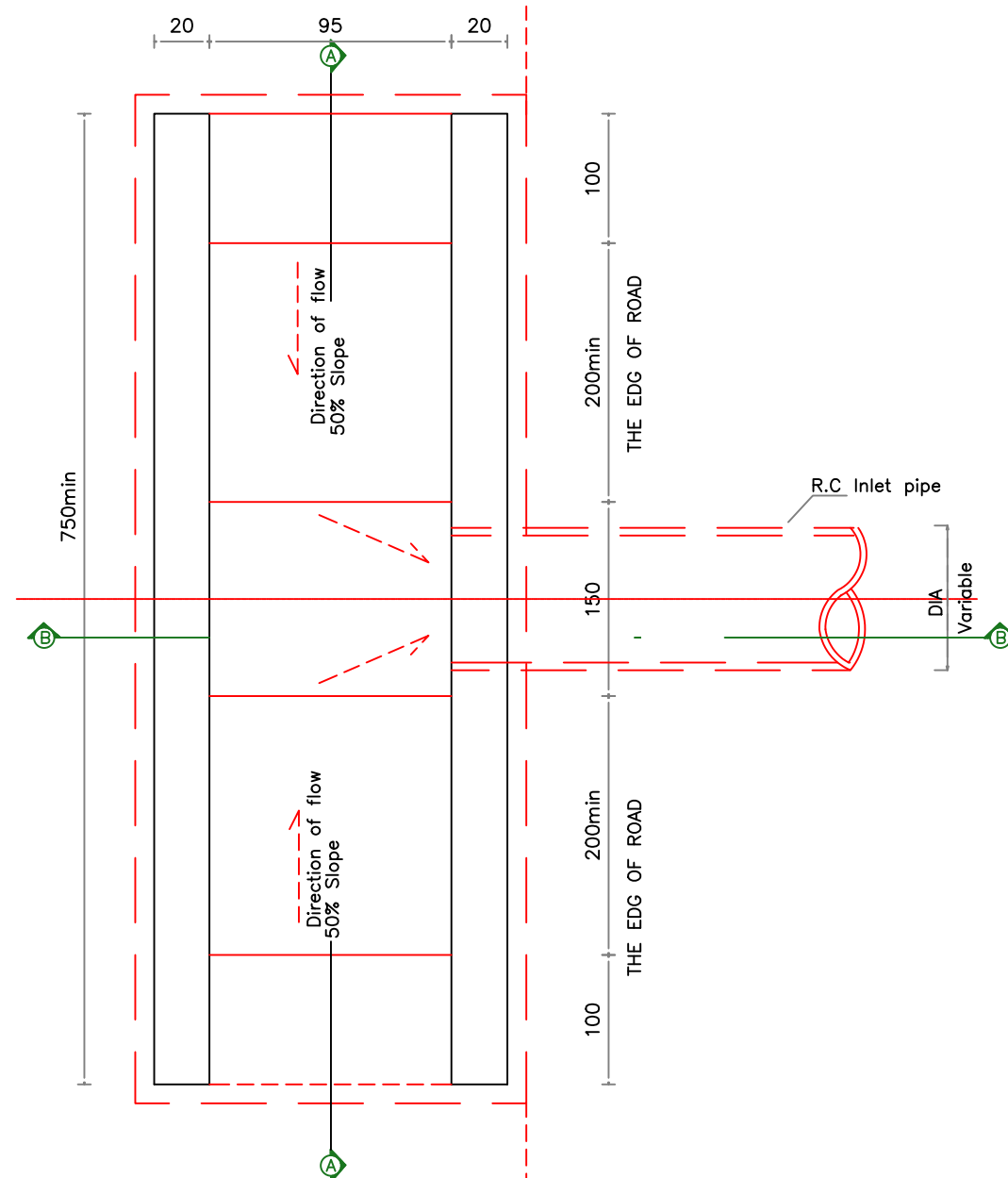


TABLE FOR SINGLE PIPE

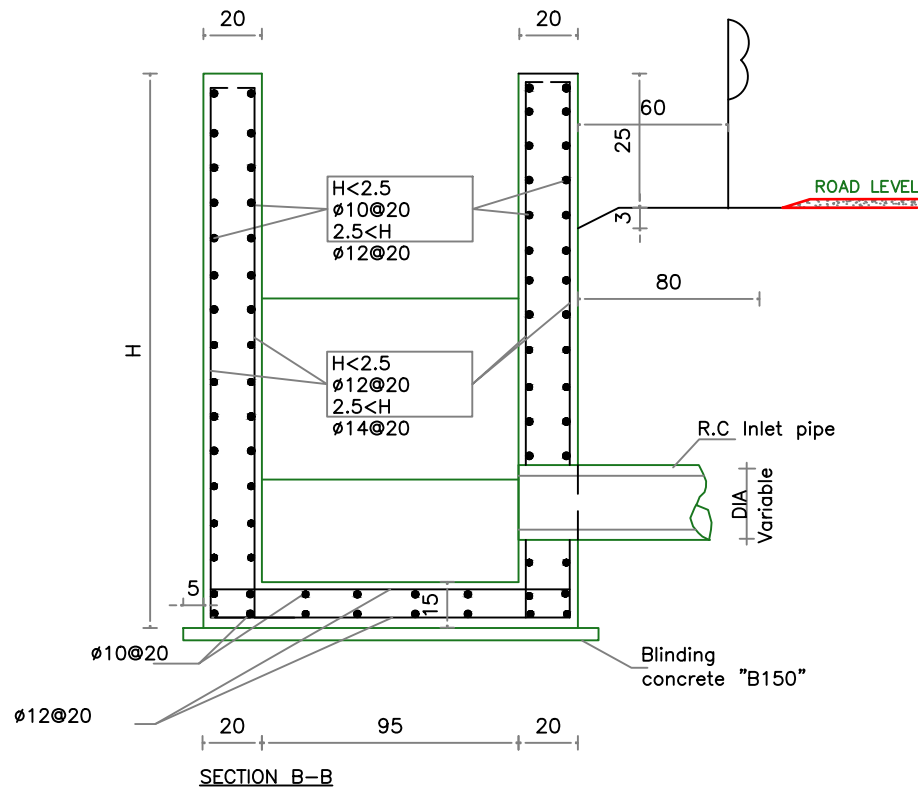
DIA. (mm)	≤ 500	600	800	900	1000
L	1700	2000	2600	2900	3150
H	500	500	650	700	750
W1	3200	3850	4900	5400	5850
W2	900	1000	1200	1300	1400
Con. Cu. m. one side of pipe	1.30	1.60	3.13	3.90	4.15



TYPICAL DETAIL OF DRAINAGE INLET TYPE "C"
DETAIL A SECTION A-A



Notes
This Detail will be paid under BOQ items 4.09c (Concrete Class-B250) and Item 4.10(High Tensile Steel bar)



NOTES :

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4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HT
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor: Eng. Malek ALsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: DT-09


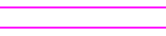







Date: MAY 2020 Drawing No.: 30

NOTES :





1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
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3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectra sp60

LEGEND FOR PLAN


EXISTING:

-  BOULDER WALL
-  ASPHALT
-  CON. SHOULDER
-  CURB STONE
-  HT  HIGH TENSION
-  TREE
-  CLIFF
-  STONE WALL

PROPOSED:

-  NEW Asphalt
-  NEW BASECOURSE
-  NEW BOULDER WALL
-  CON. DETCH
-  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



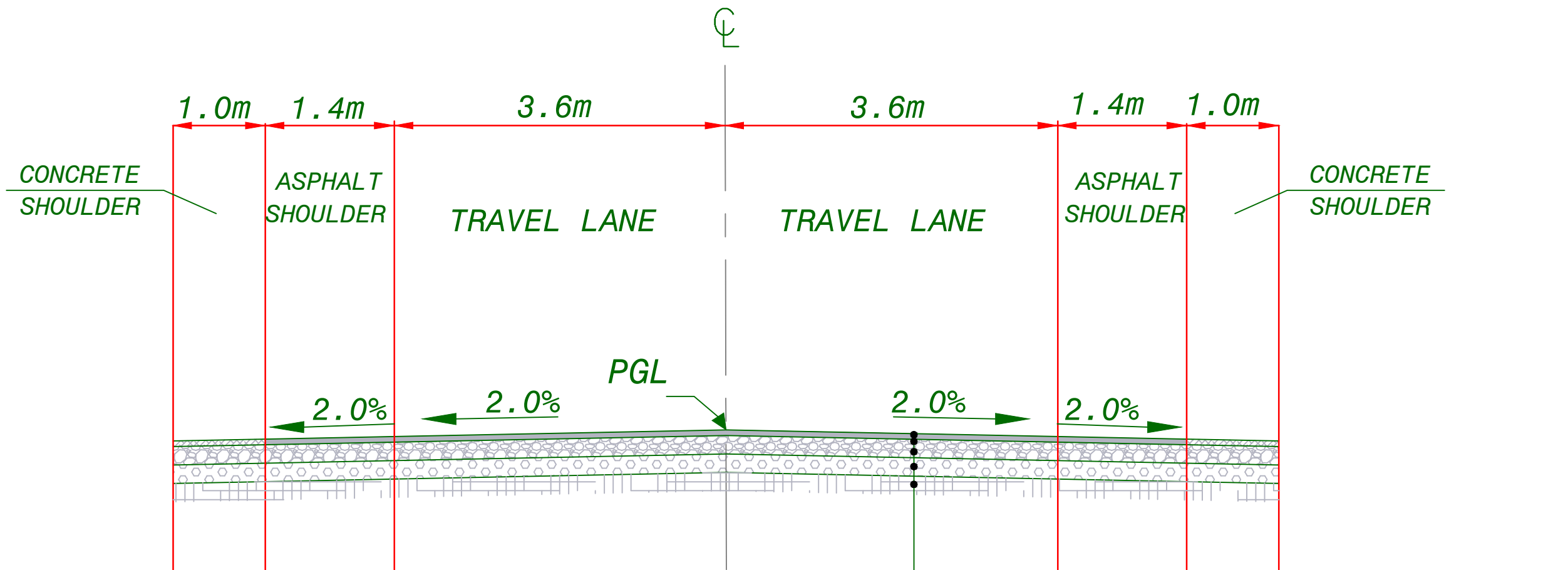
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: TYPSEC-01

Date: MAY 2020 Drawing No.:



- 7cm ASPHALT WEARING COURSE
- ASPHALT BITUMINOUS PRIME COAT (MC 70 OR EQUIVALENT)
- 20CM AGGREGATE BASE COURSE CBR >= 80%
- 20CM AGGREGATE BASE COURSE CBR >= 80%
- EXISTING GROUND (SUB-GRADE)


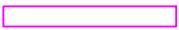






TYPICAL CROSS SECTION NO. (1)

NOTES :



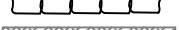


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3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp80

LEGEND FOR PLAN

EXISTING:

-  BOULDER WALL
-  ASPHALT
-  CON. SHOULDER
-  CURB STONE
-  HIGH TENSION
-  TREE
-  CLIFF
-  STONE WALL

PROPOSED:

-  NEW Asphalt
-  NEW BASECOURSE
-  NEW BOULDER WALL
-  CON. DITCH
-  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



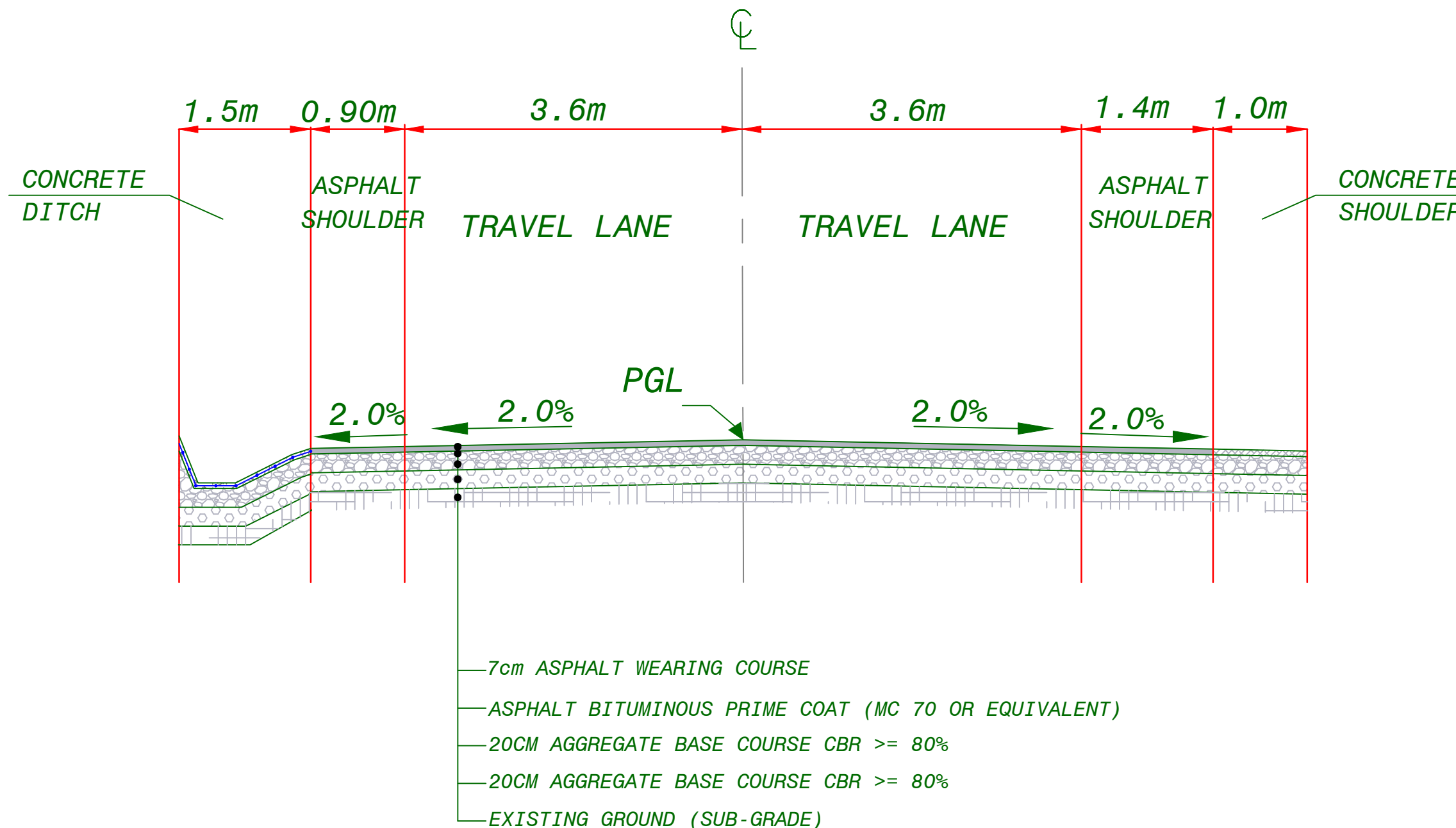
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

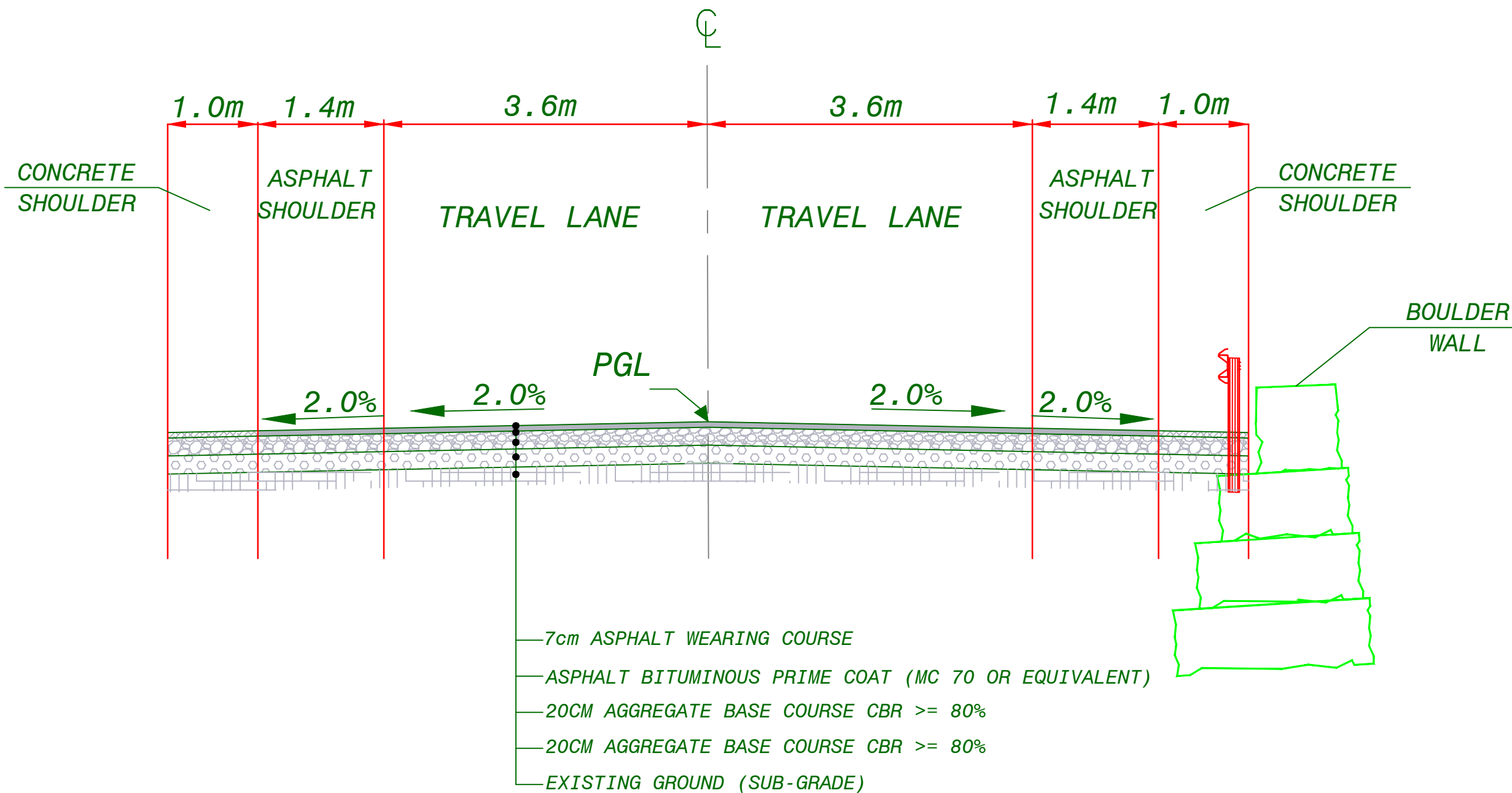
Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: TYPSEC-02

Date: MAY 2020 Drawing No.:



TYPICAL CROSS SECTION NO. (2)



TYPICAL CROSS SECTION NO. (3)

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



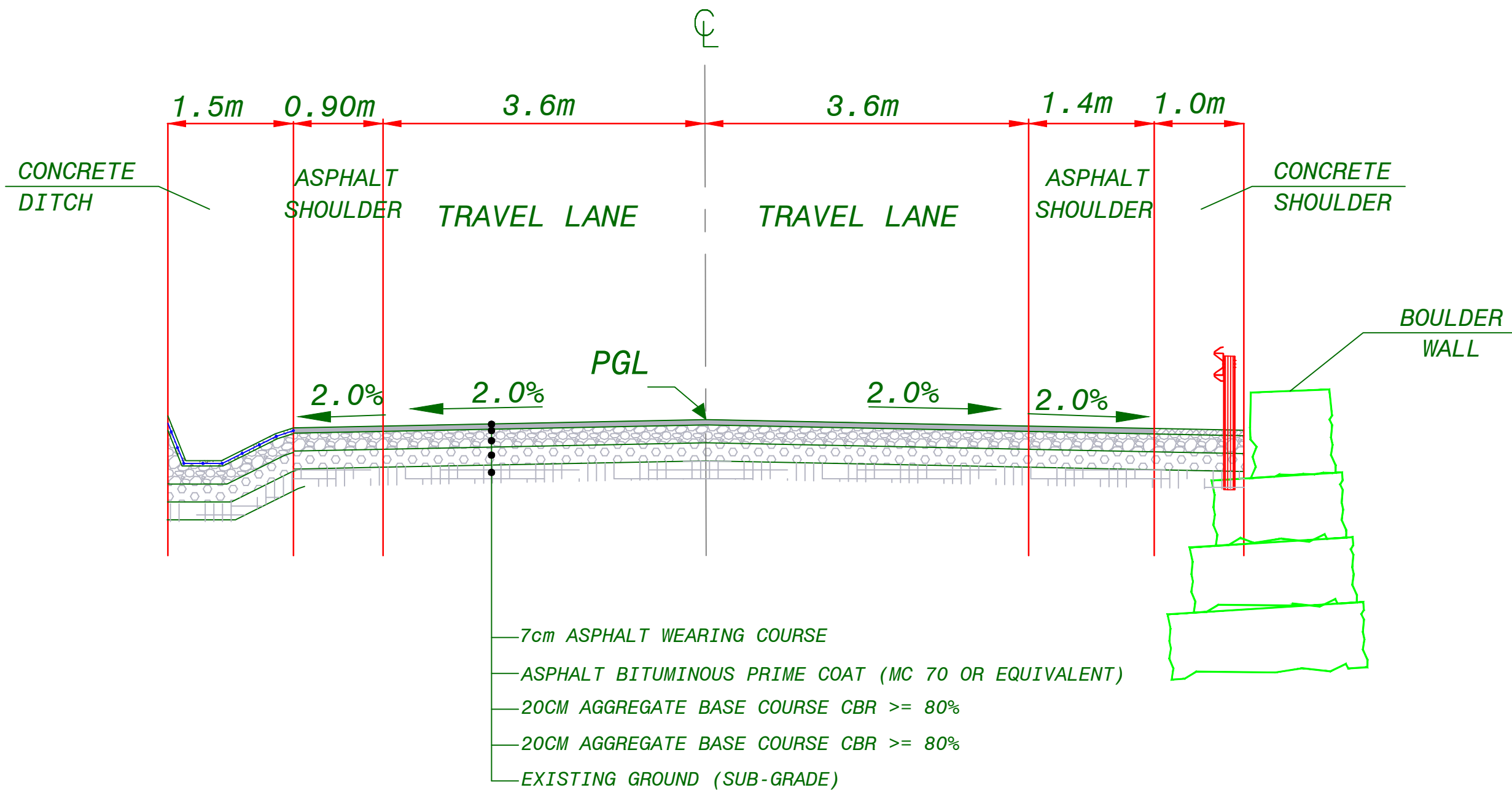
FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
 REHABILITATION OF
 SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwaireh Anas Sulaiman
Drawing TITLE.: TYPSEC-03	
Date: MAY 2020	Drawing No.:



TYPICAL CROSS SECTION NO. (4)

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
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3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

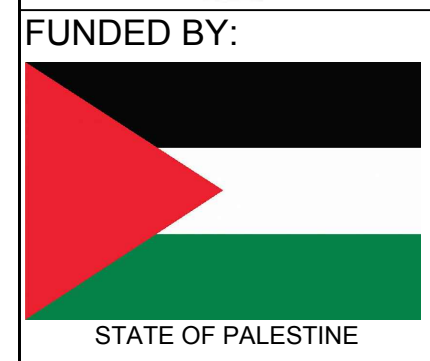
LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HT HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DITCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

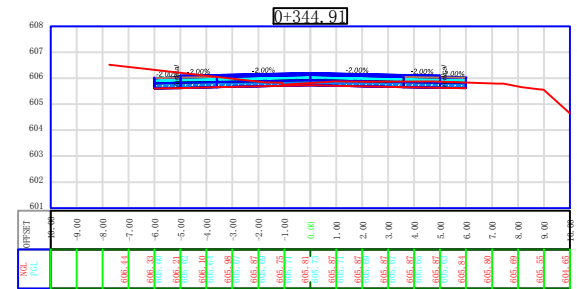
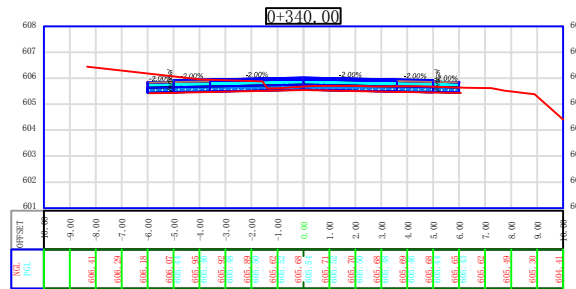
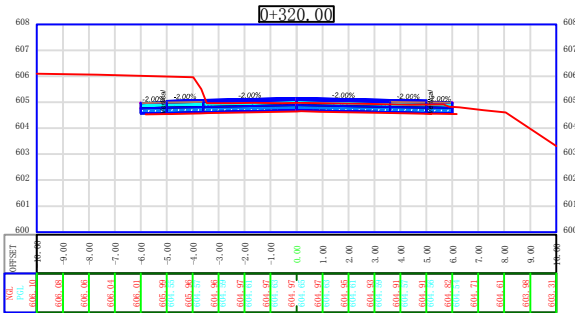
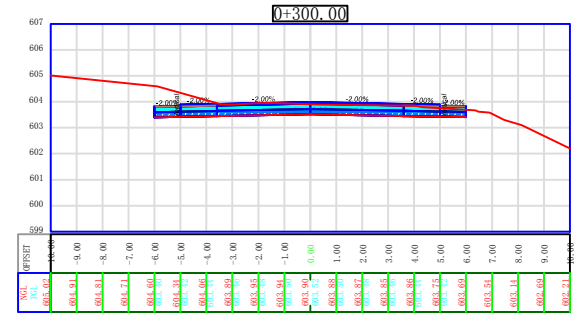
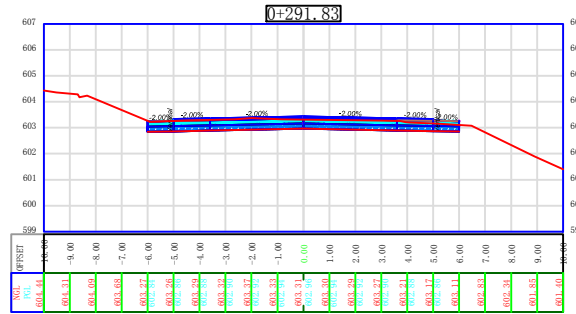
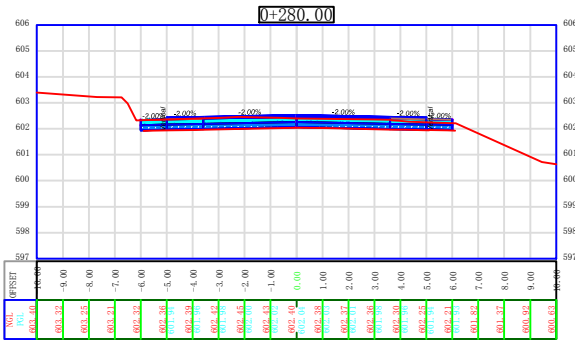
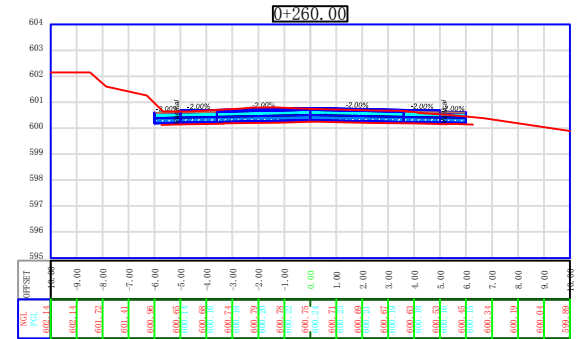
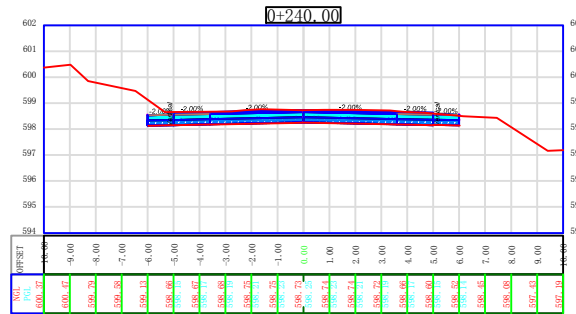
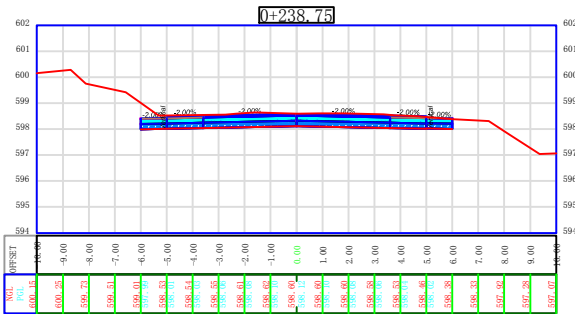
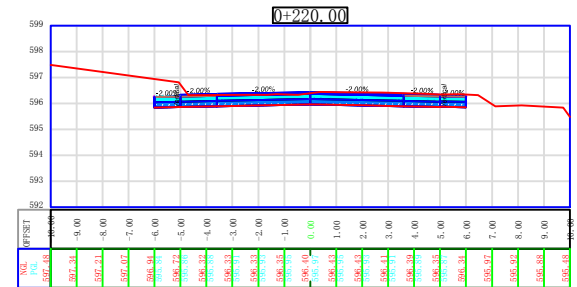
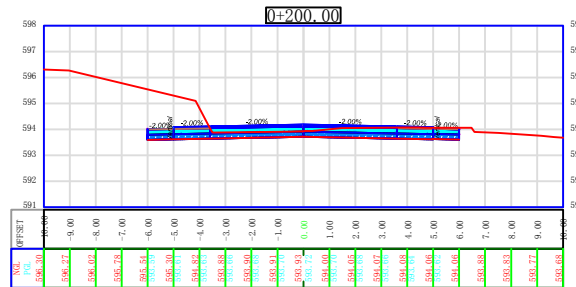
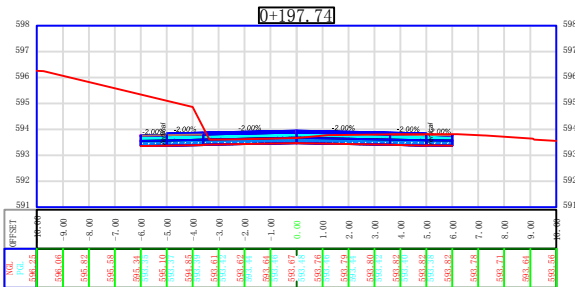
Supervision:
 Palestine Polytechnic University



PROJECT NAME:
 REHABILITATION OF
 SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwaireh Anas Sulaiman

Drawing TITLE.: TYPSEC-04
 Date: MAY 2020 Drawing No.:



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF WALL
- STONE WALL

PROPOSED:

- NEW ASPHALT
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

PGL

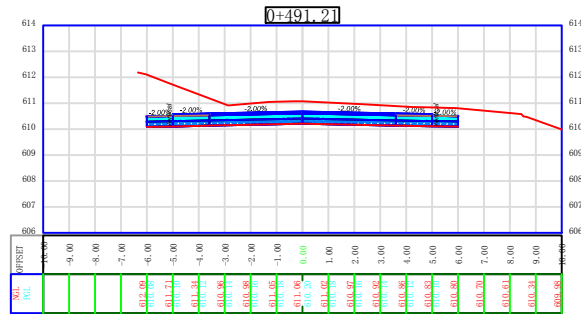
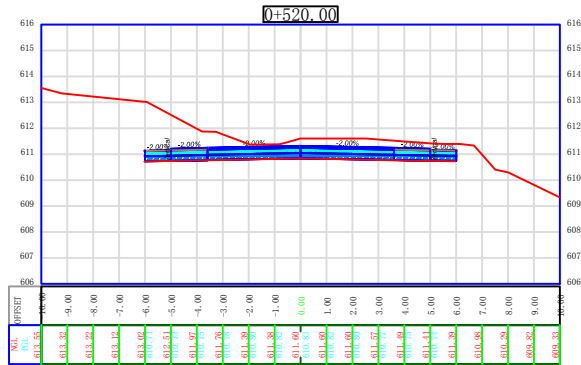
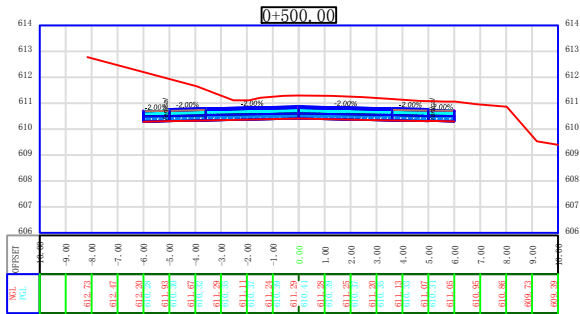
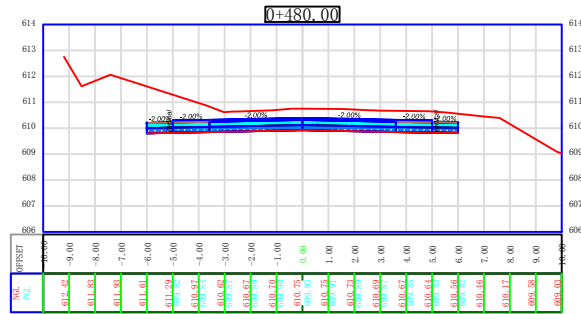
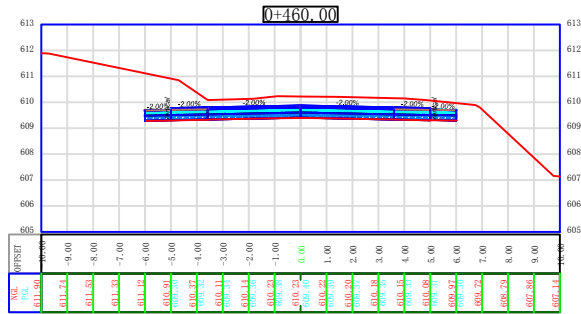
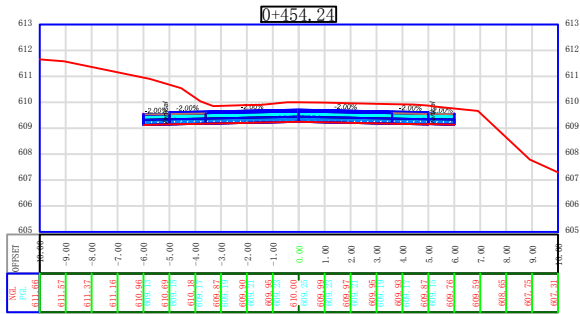
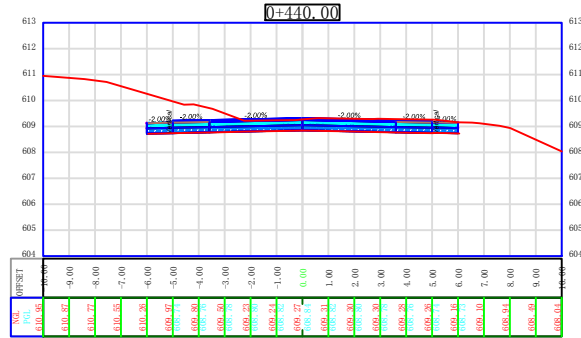
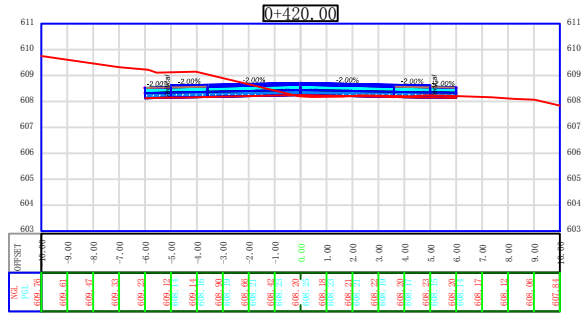
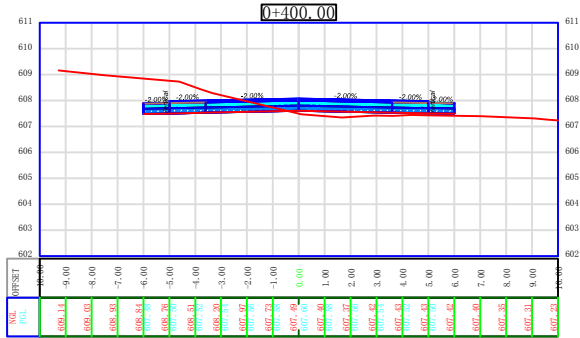
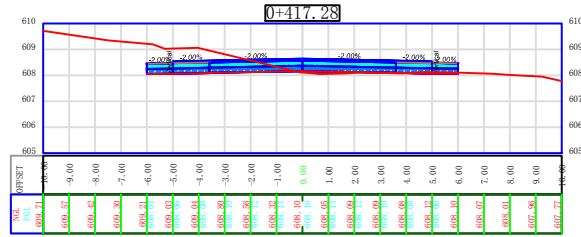
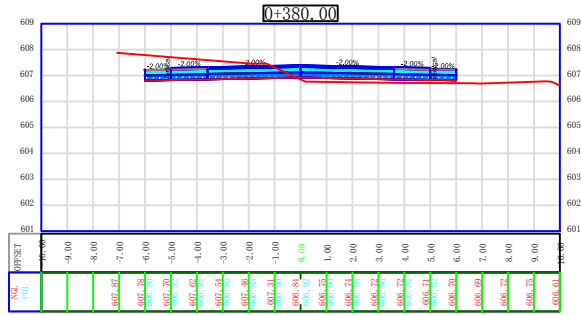
NGL

Supervision:
Palestine Polytechnic University



FUNDED BY:





NOTES :

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2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
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4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectro sp80

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF WALL
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University

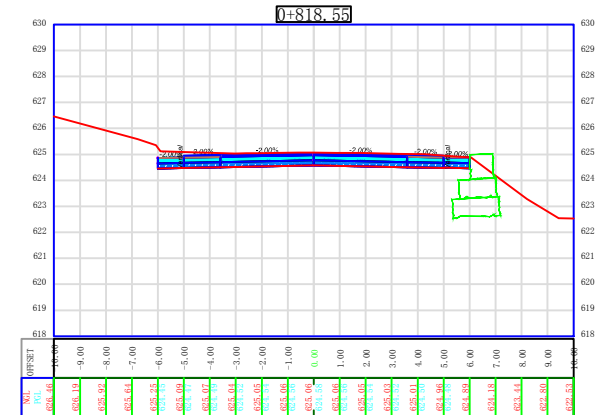
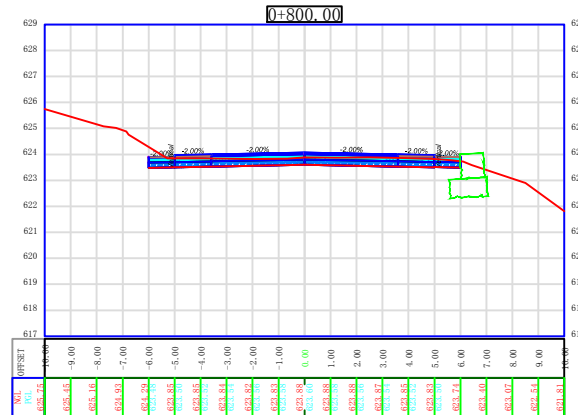
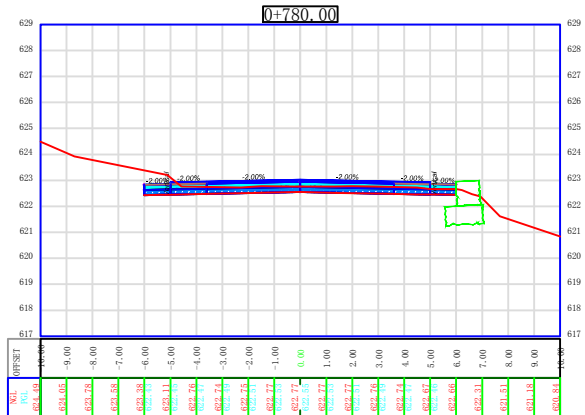
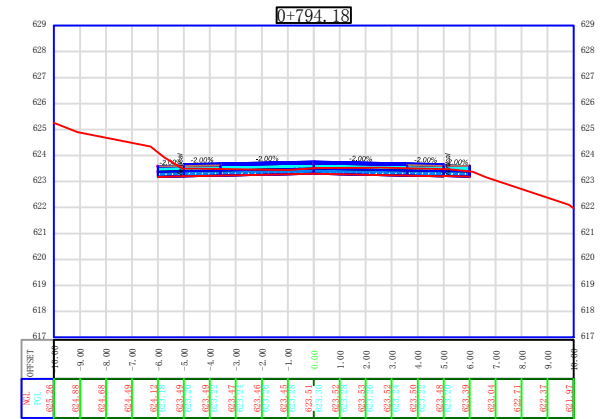
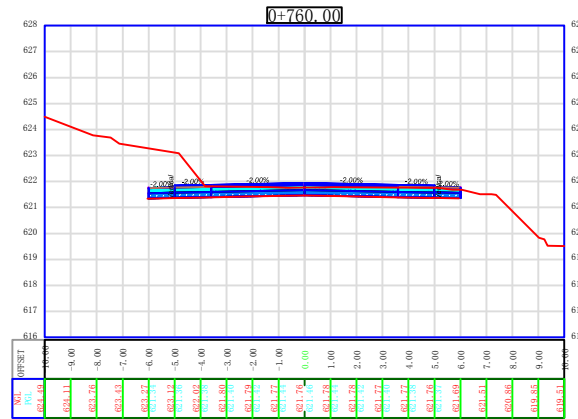
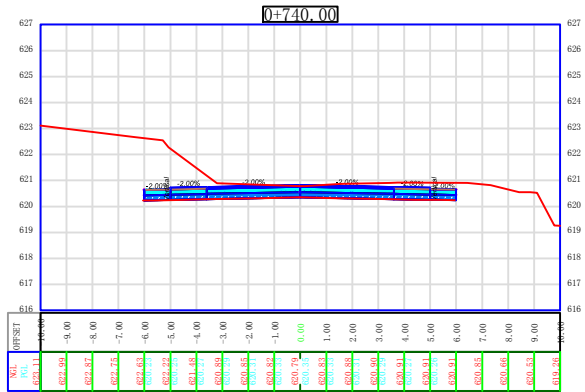
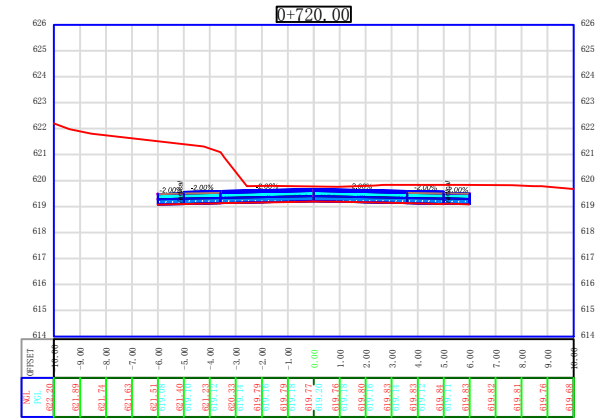
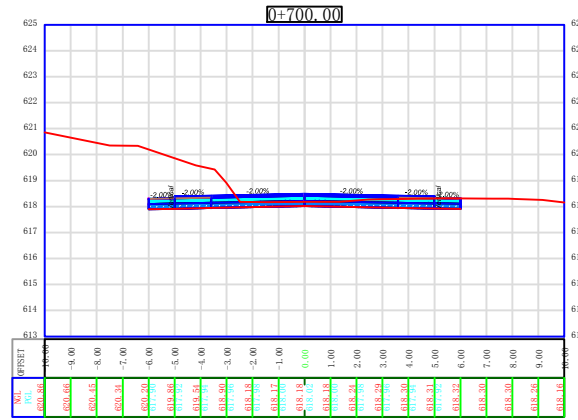
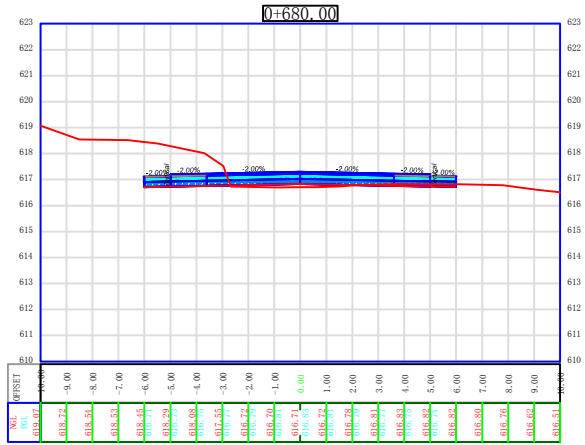


FUNDED BY:



PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh	Designed by: Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman
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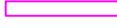








NOTES :






- ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
- ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
- COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
- ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectra sp60

LEGEND FOR PLAN


EXISTING:


-  BOULDER WALL
-  ASPHALT
-  CON. SHOULDER
-  CURB STONE
-  HIGH TENSION
-  TREE
-  CLIFF
-  STONE WALL

PROPOSED:

-  NEW Asphalt
-  NEW BASECOURSE
-  NEW BOULDER WALL
-  CON. DETCH
-  CON. SHOULDER

LEGEND FOR PROFILE

 PGL

 NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek Alsharay'eh	Mohammed Burghol Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: X-SECTIONS-05

Date: MAY 2020 Drawing No.:

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL

- PROPOSED:**
- NEW ASPHALT
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PCL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:

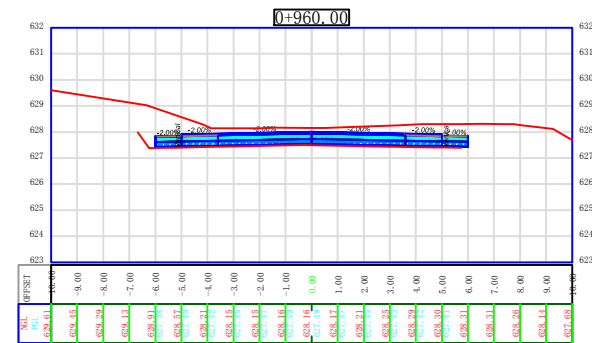
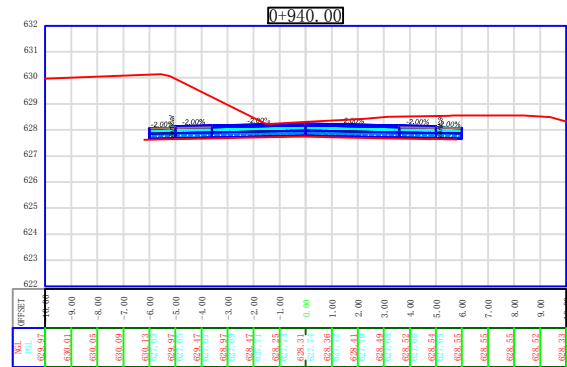
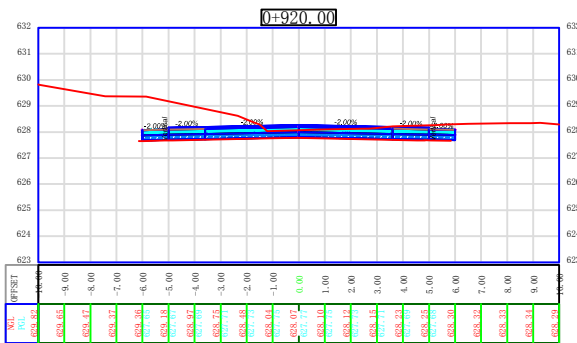
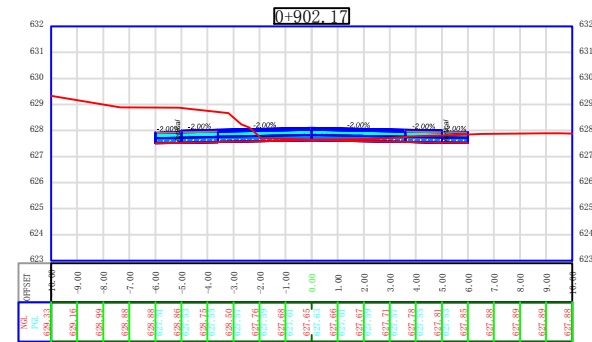
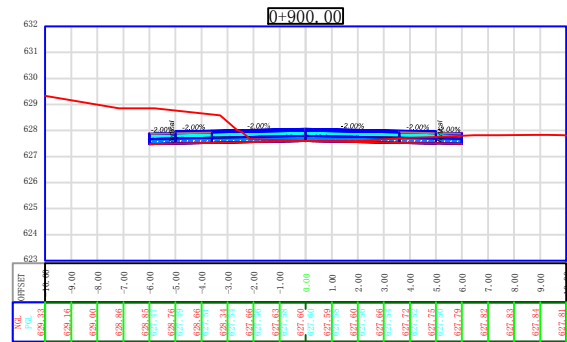
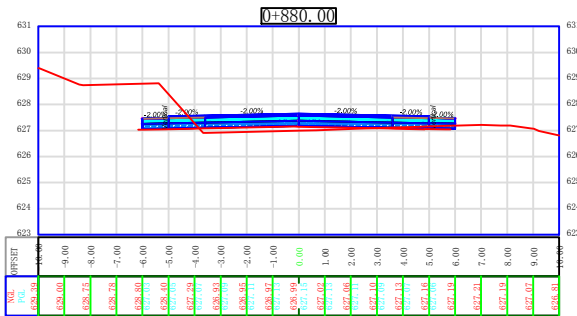
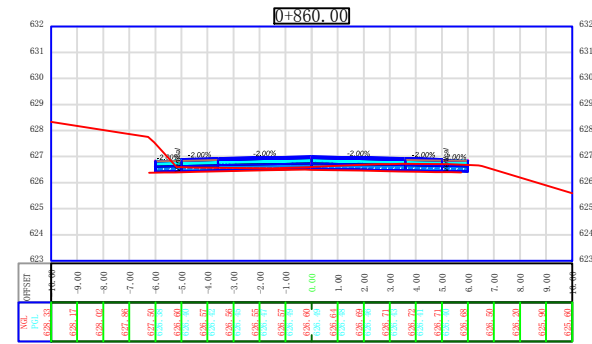
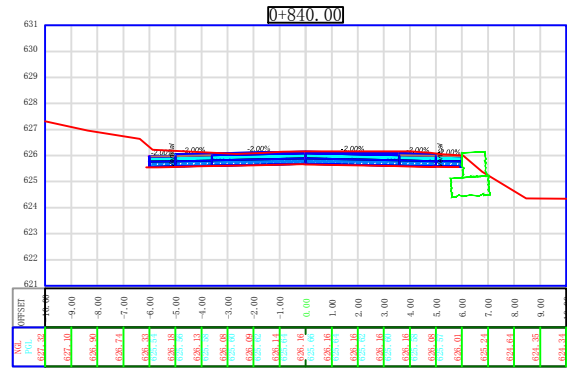
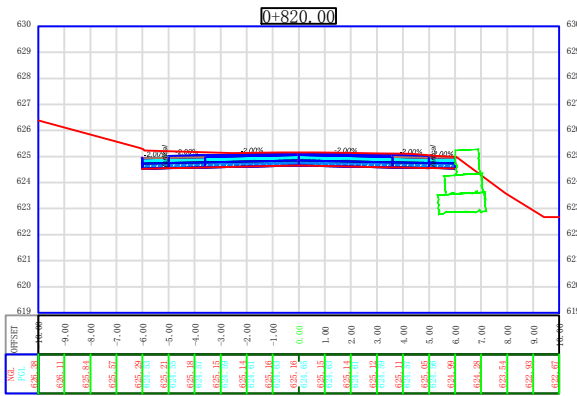
REHABILITATION OF
SALFEET ENTRANCE

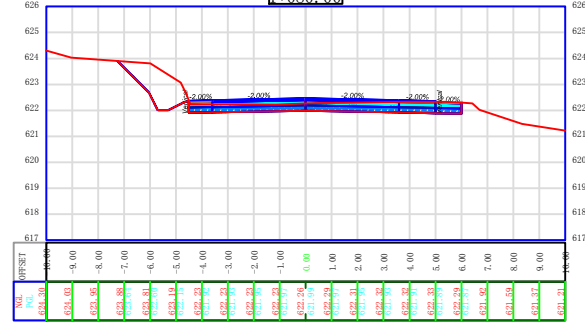
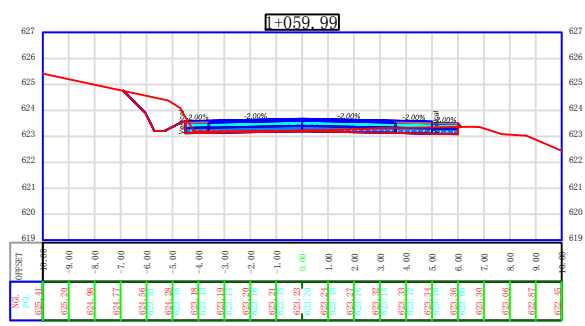
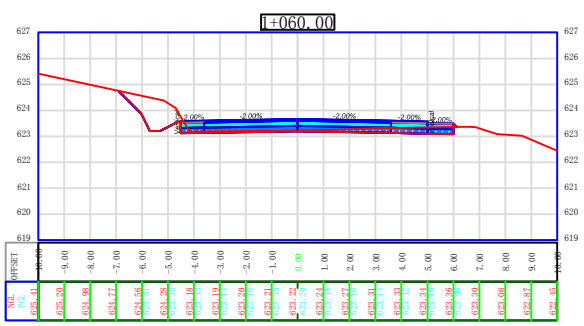
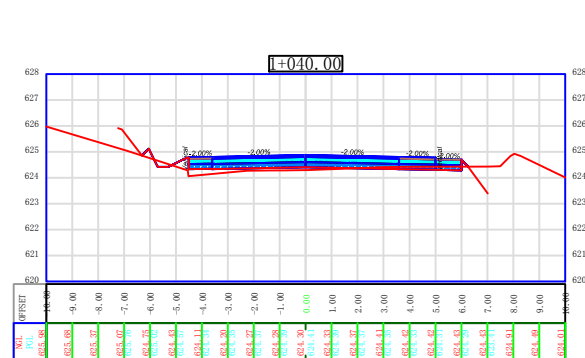
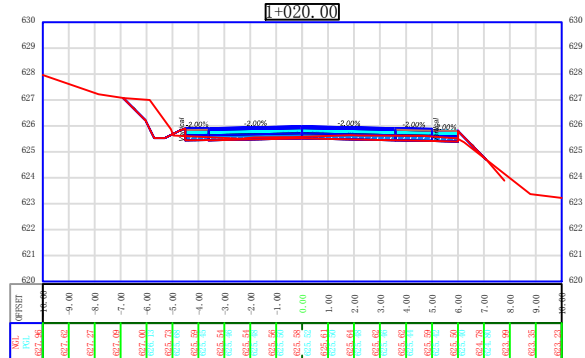
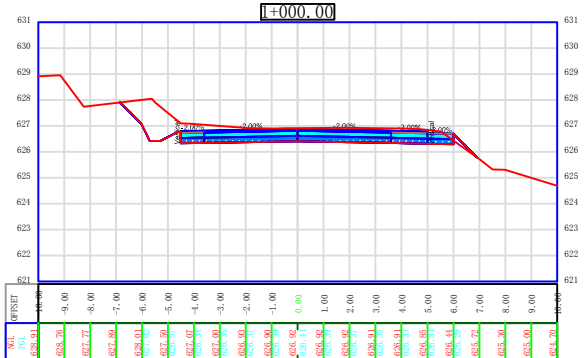
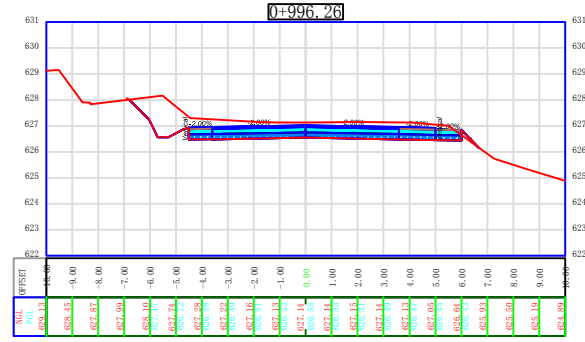
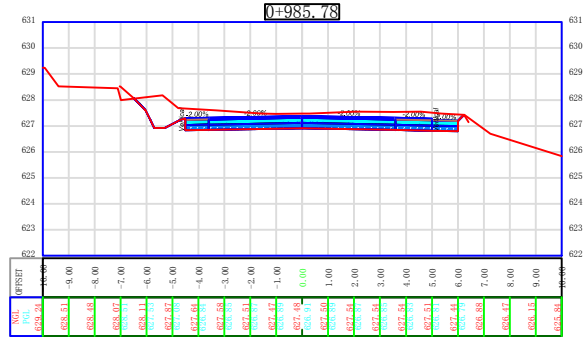
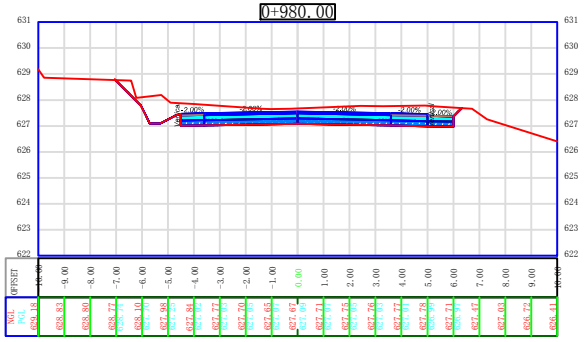
Designer Supervisor: Eng. Malek Alsharay'eh

Designed by:
Mohammed Burghfal
Bashar Amro
Wael Khwairah
Anas Sulaiman

Drawing TITLE.: X-SECTIONS-06

Date: MAY 2020 Drawing No.:





- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

- LEGEND FOR PLAN**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

- LEGEND FOR PROFILE**
- PGL
 - NGL

Supervision:
Palestine Polytechnic University



FUNDED BY:

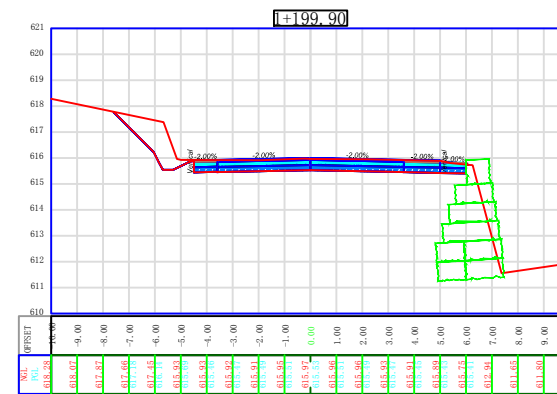
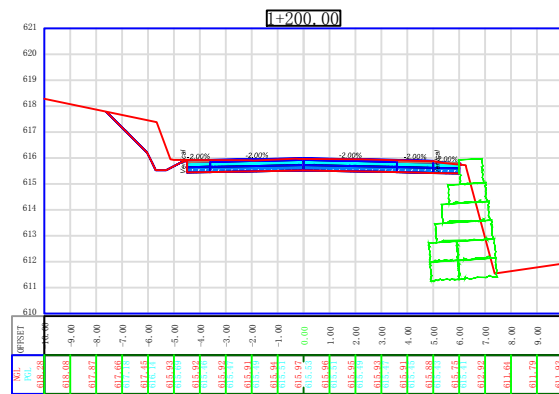
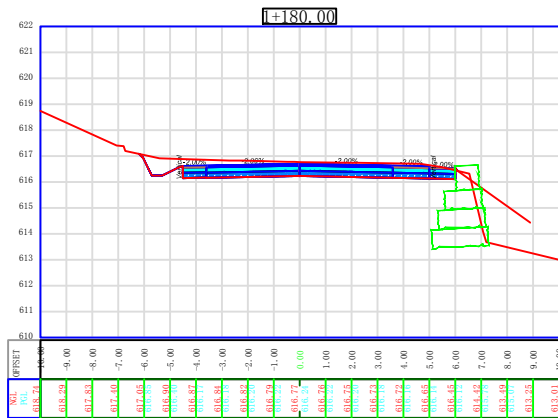
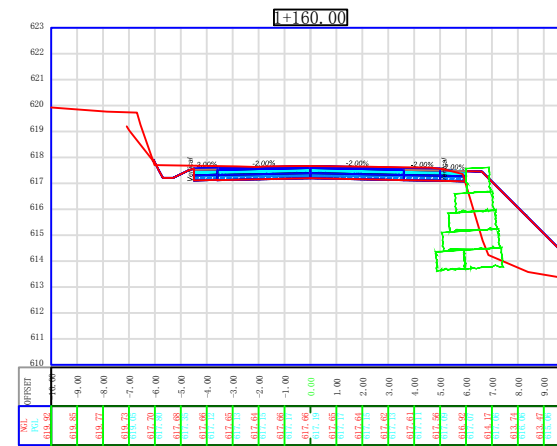
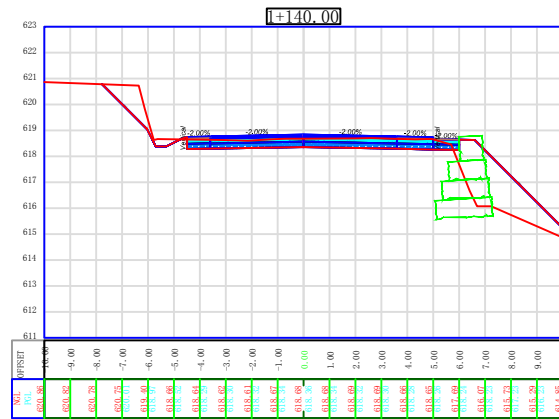
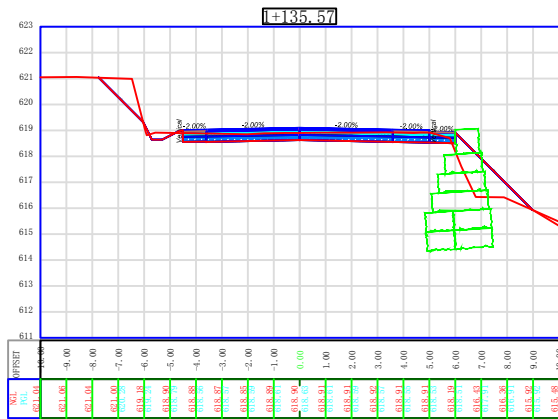
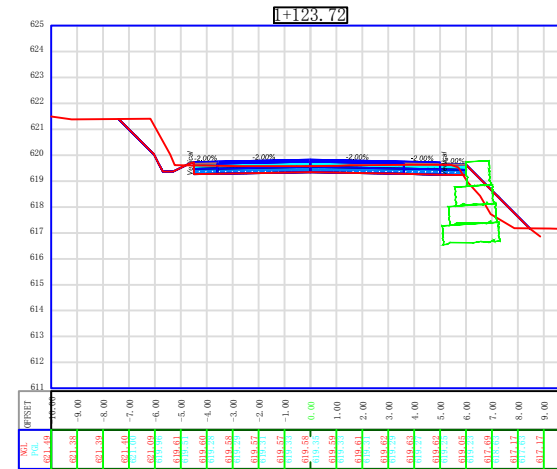
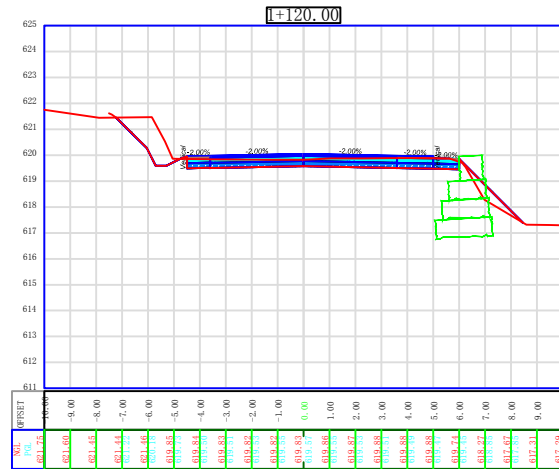
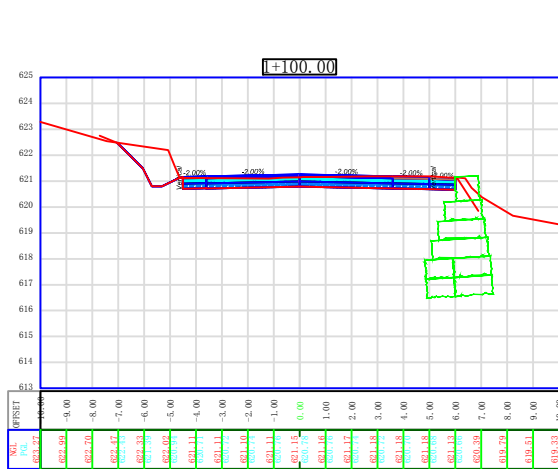


STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh
Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: X-SECTIONS-07
Date: MAY 2020
Drawing No.:



- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectro sp80

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION TREE
- CLIFF WALL
- STONE WALL

PROPOSED:

- NEW ASPHALT
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DITCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



FUNDED BY:




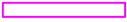








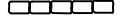


PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharayah	Mohammed Burghal Bashar Amro Wael Khwareh Anas Sulaiman

NOTES :

- 1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
- 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
- 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
- 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
-  BOULDER WALL
 -  ASPHALT
 -  CON. SHOULDER
 -  CURB STONE
 -  HIGH TENSION
 -  TREE
 -  CLIFF
 -  STONE WALL
- PROPOSED:**
-  NEW Asphalt
 -  NEW BASECOURSE
 -  NEW BOULDER WALL
 -  CON. DITCH
 -  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:

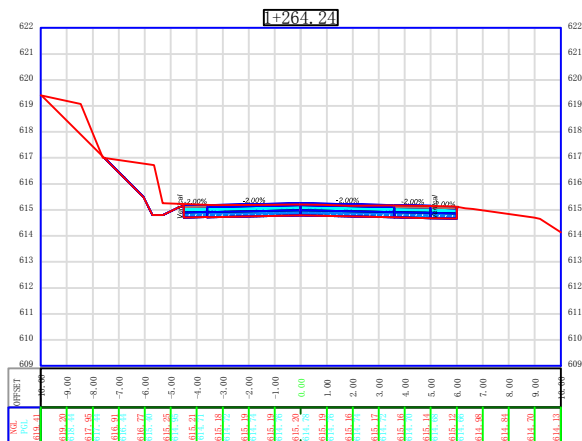
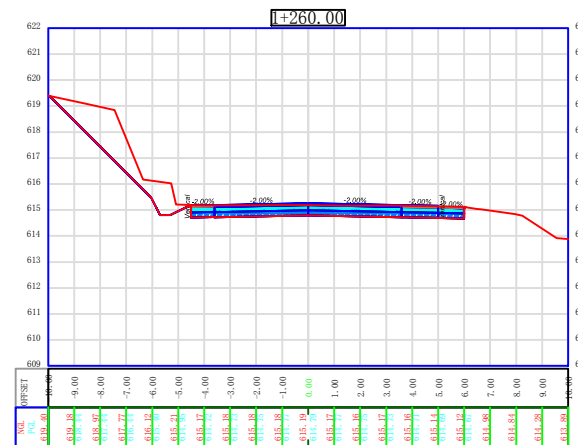
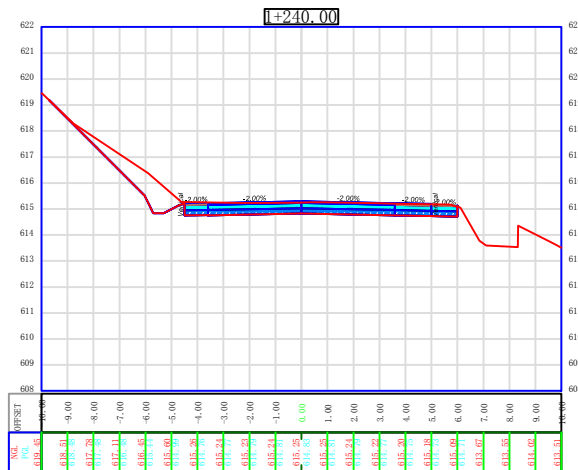
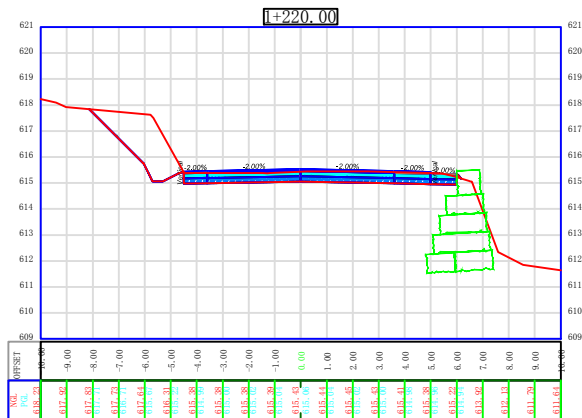


STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor: Eng. Malek ALsharay'eh	Designed by: Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman
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Drawing TITLE.: X-SECTIONS-09	Date: MAY 2020	Drawing No.:
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NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HT HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



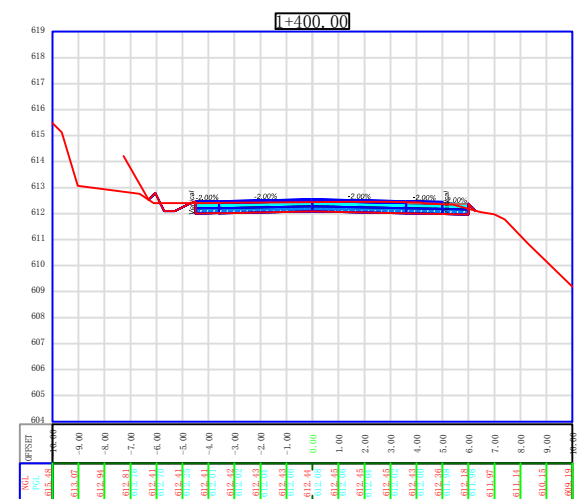
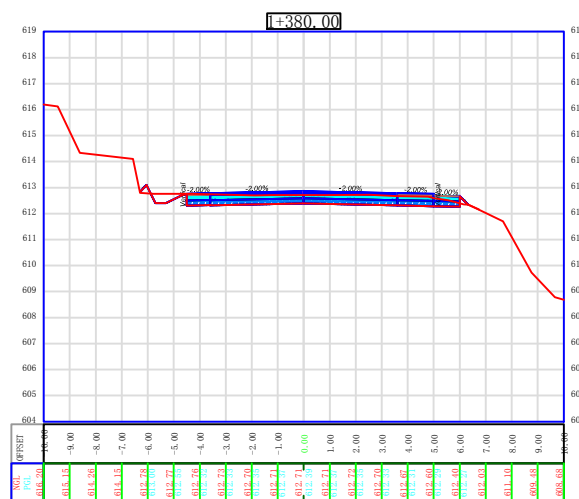
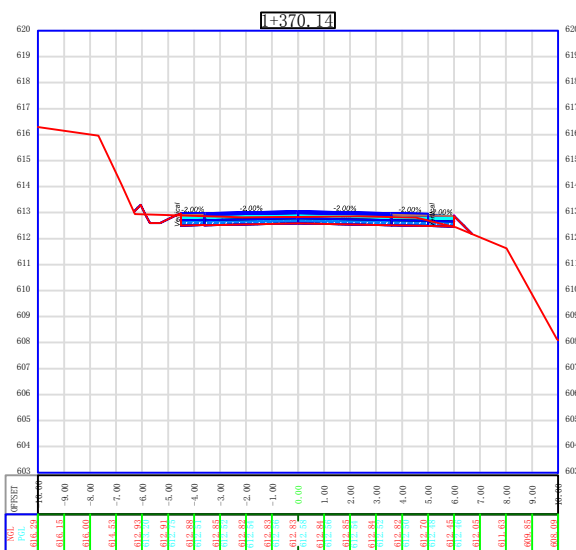
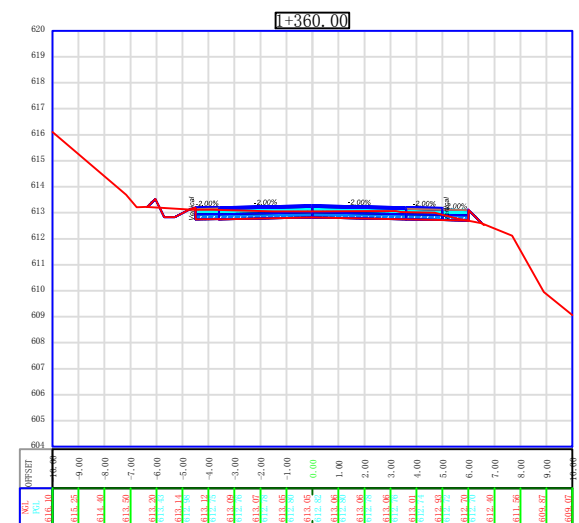
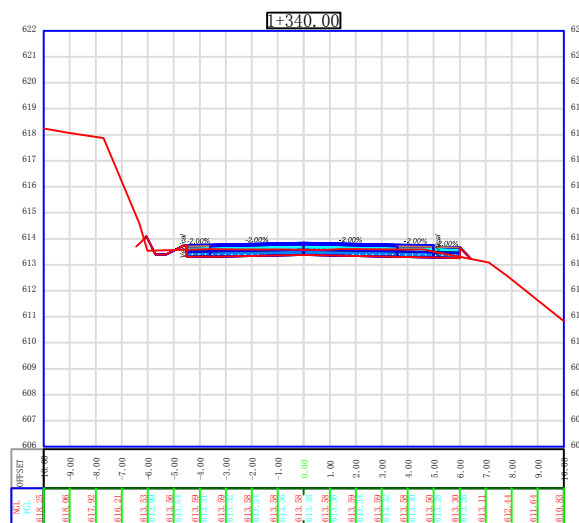
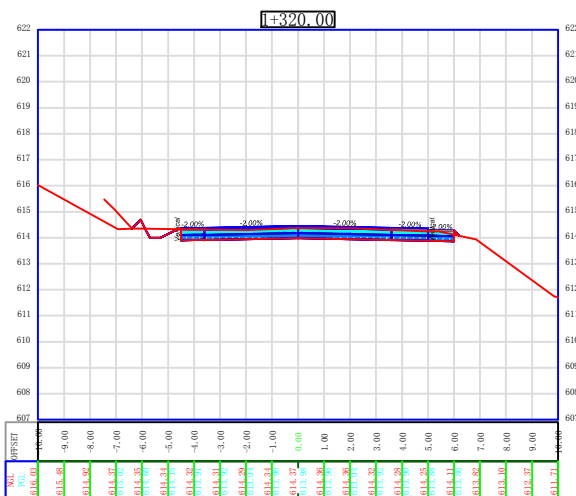
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharay'eh	Designed by: Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman
---	--

Drawing TITLE.: X-SECTIONS-10

Date: MAY 2020 **Drawing No.:**



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HT HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



FUNDED BY:



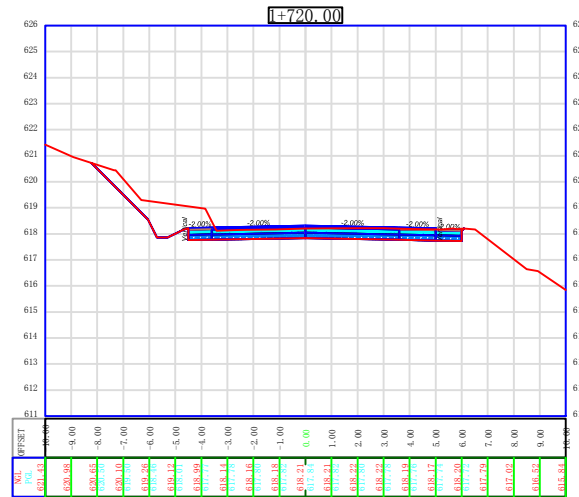
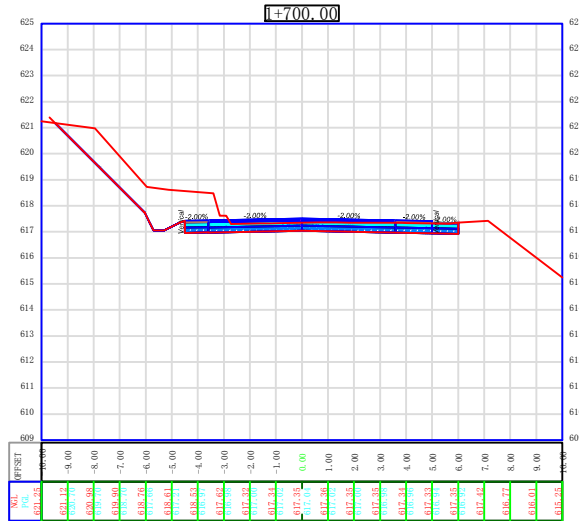
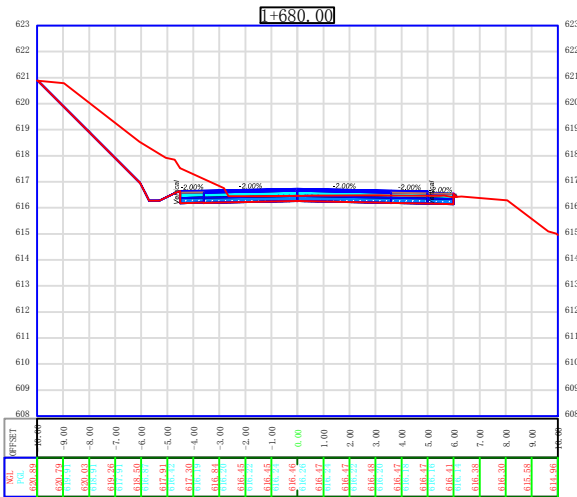
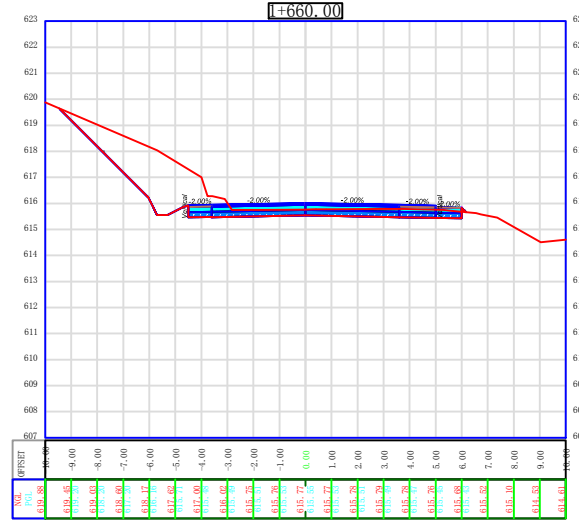
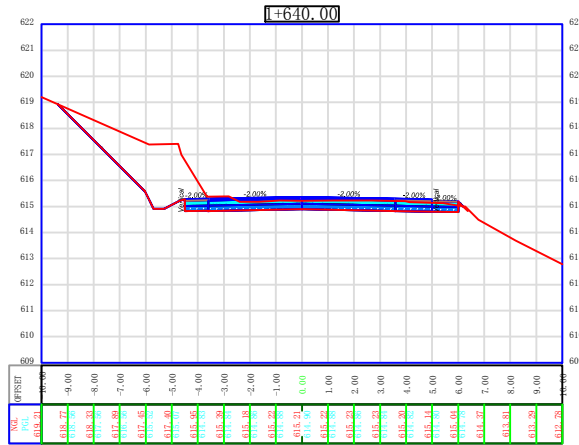
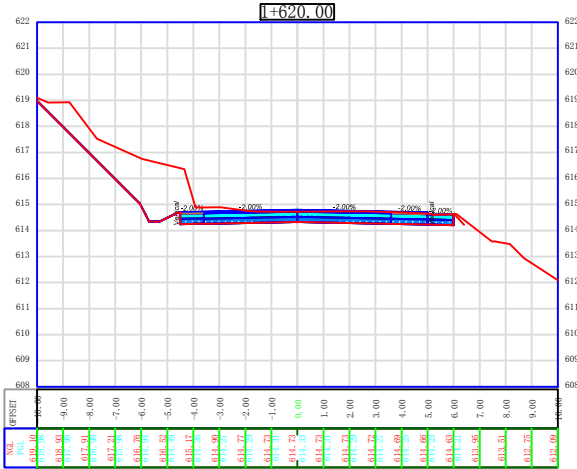
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwaireh Anas Sulaiman

Drawing TITLE.: X-SECTIONS-13














Date: MAY 2020 Drawing No.:



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectro sp60

LEGEND FOR PLAN

- EXISTING:**
-  BOULDER WALL
 -  ASPHALT
 -  CON. SHOULDER
 -  CURB STONE
 -  HIGH TENSION
 -  TREE
 -  CLIFF
 -  STONE WALL
- PROPOSED:**
-  NEW Asphalt
 -  NEW BASECOURSE
 -  NEW BOULDER WALL
 -  CON. DITCH
 -  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



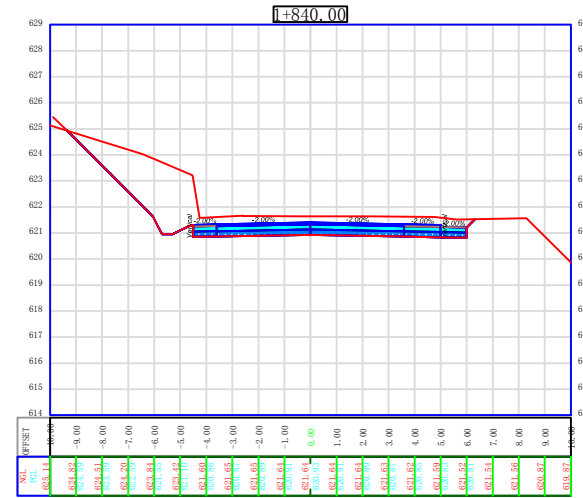
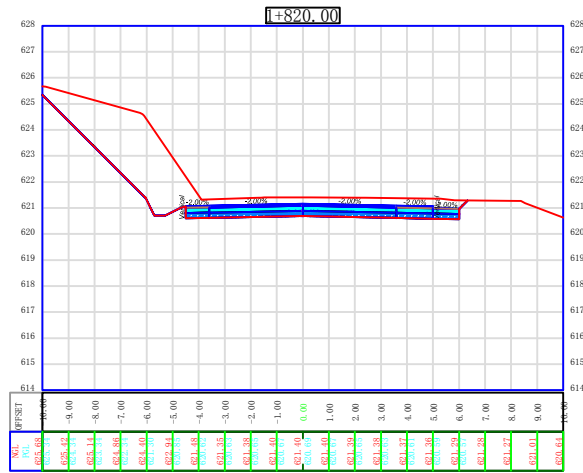
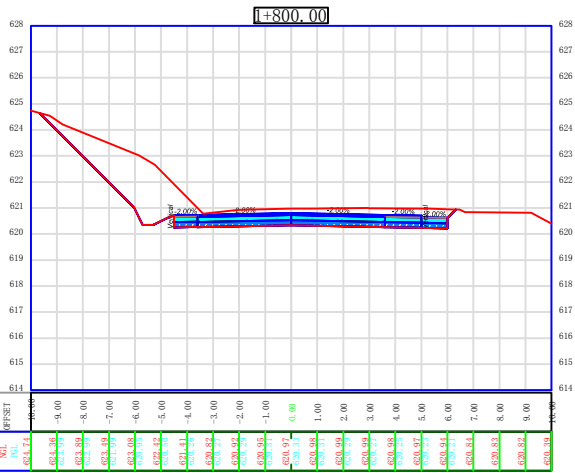
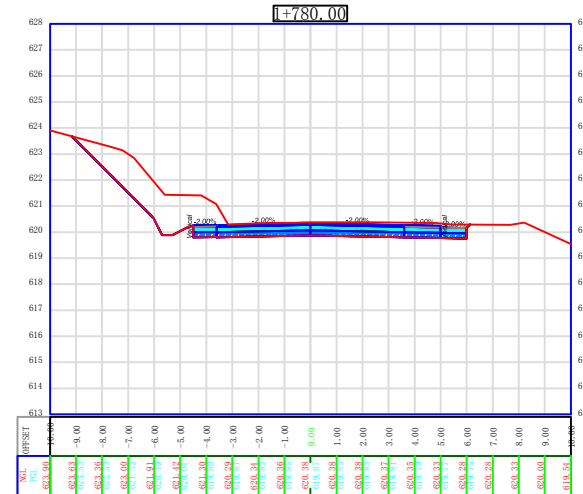
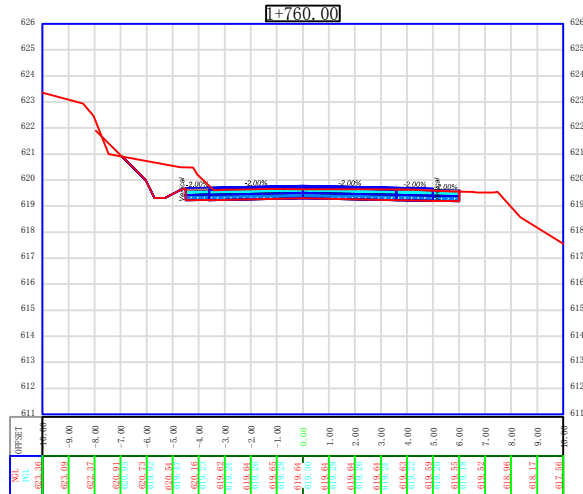
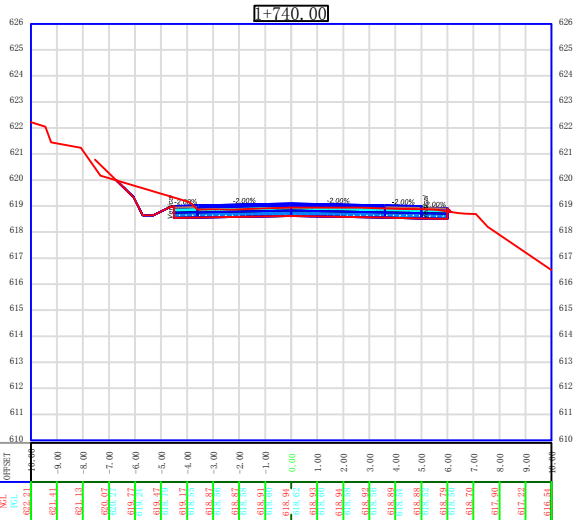
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF SAlFEET ENTRANCE

Designer Supervisor: Eng.Malek Alsharay'eh
 Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: X-SECTIONS-14










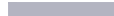

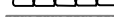


Date: MAY 2020 Drawing No.:



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectro sp60

LEGEND FOR PLAN

- EXISTING:**
-  BOULDER WALL
 -  ASPHALT
 -  CON. SHOULDER
 -  CURB STONE
 -  HT 
 -  TREE
 -  CLIFF
 -  STONE WALL
- PROPOSED:**
-  NEW Asphalt
 -  NEW BASECOURSE
 -  NEW BOULDER WALL
 -  CON. DETCH
 -  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:
Palestine Polytechnic University



FUNDED BY:



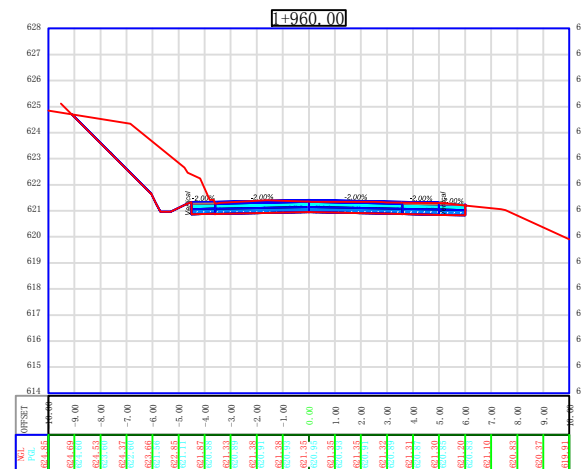
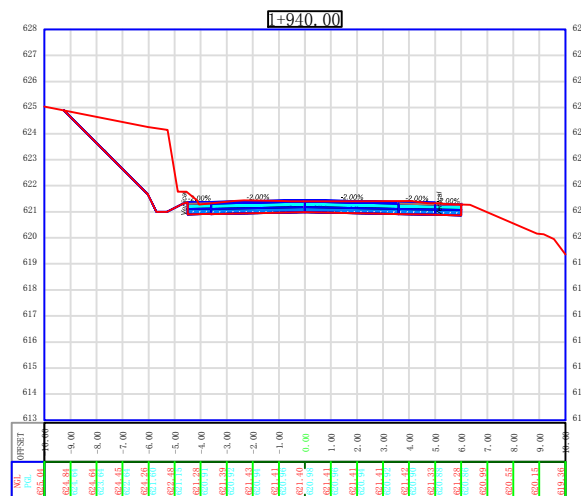
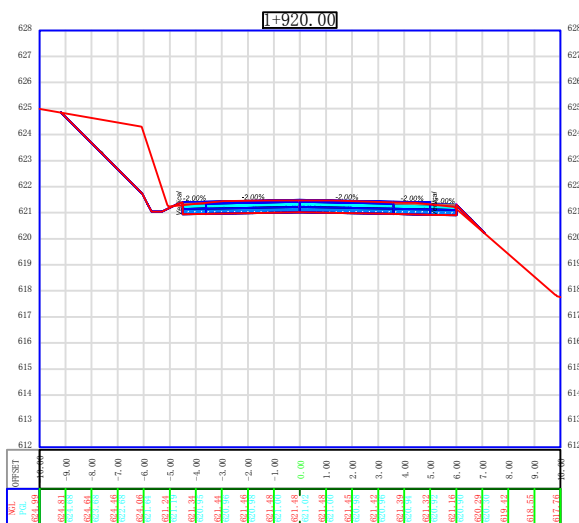
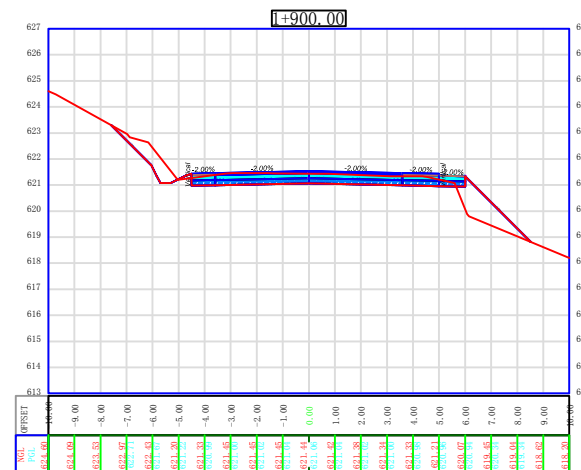
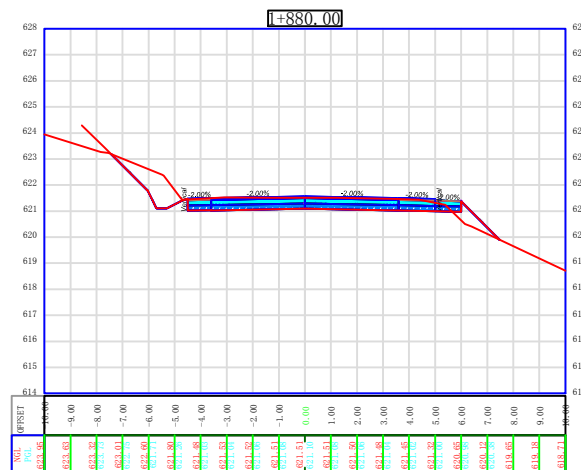
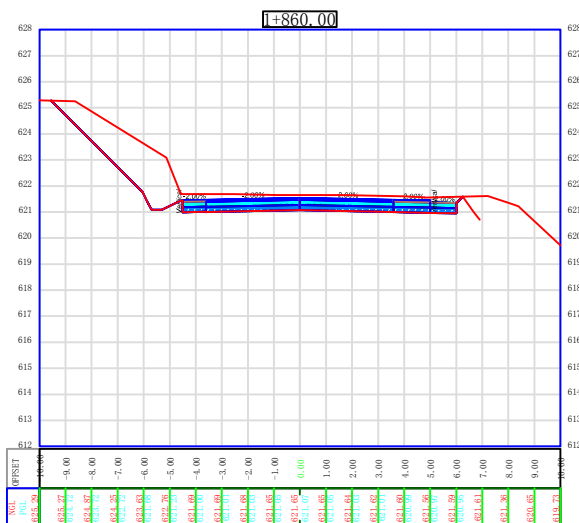
STATE OF PALESTINE

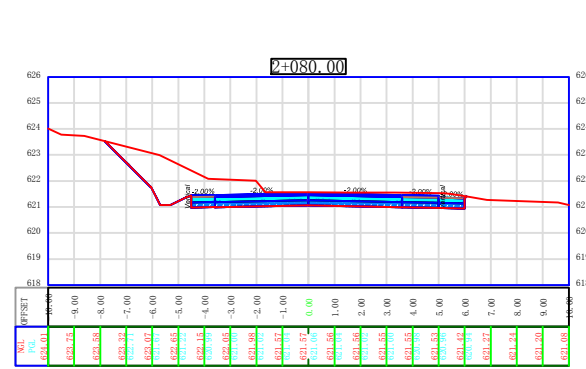
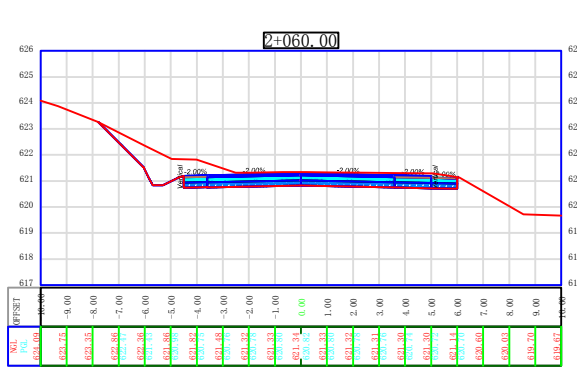
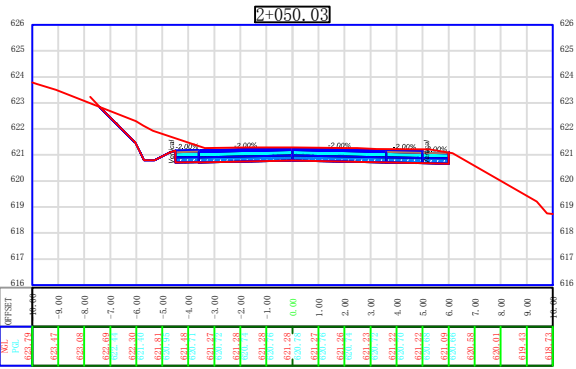
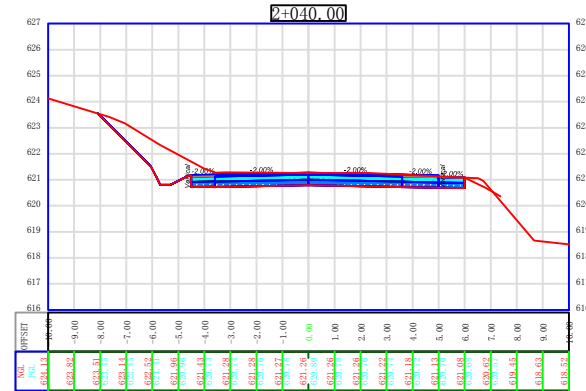
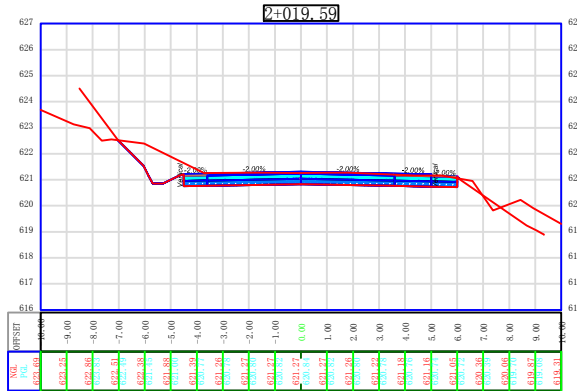
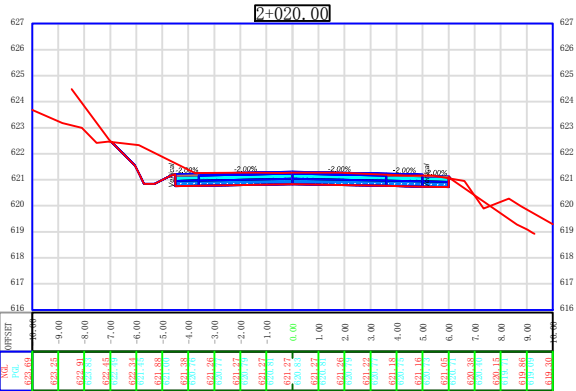
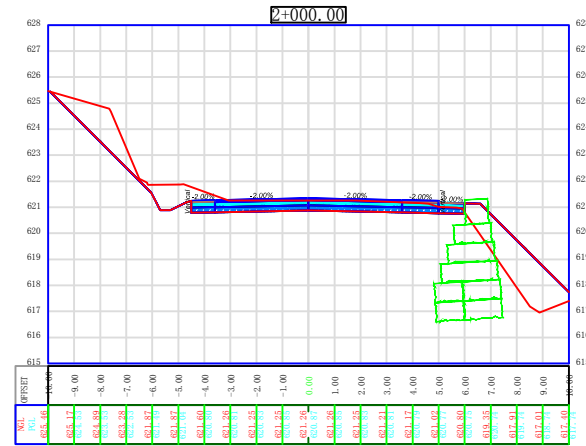
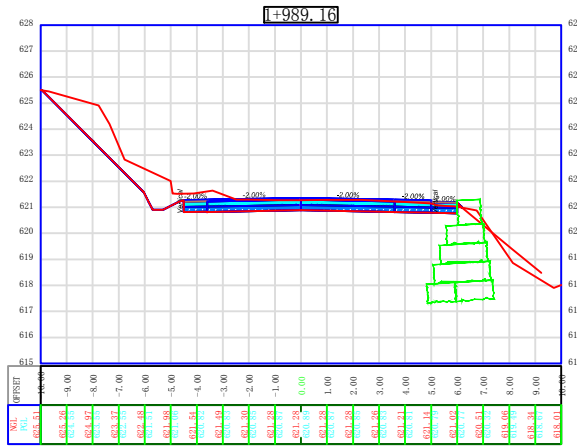
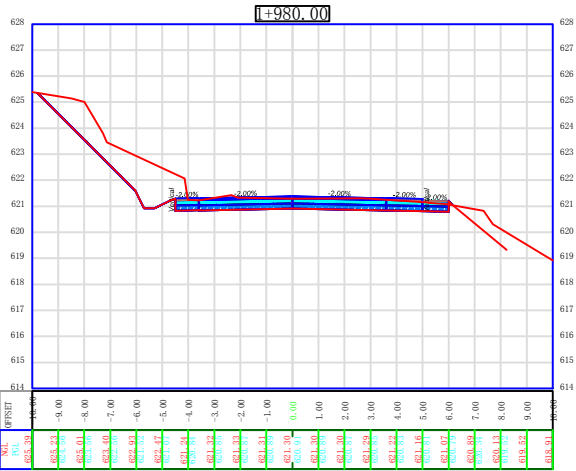
PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: X-SECTIONS-15

Date: MAY 2020 Drawing No.:





NOTES :

- ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
- ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
- COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
- ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectro sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:

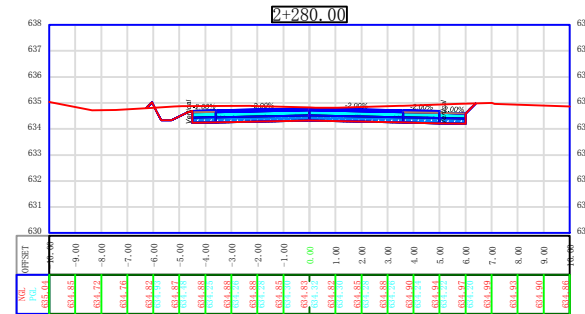
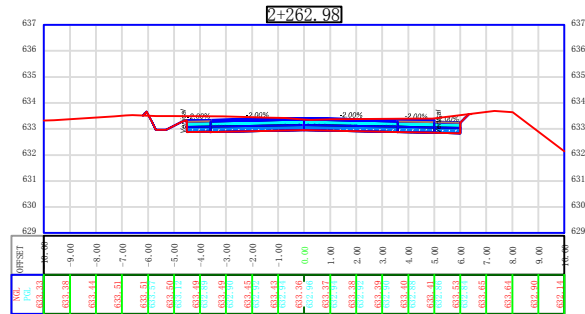
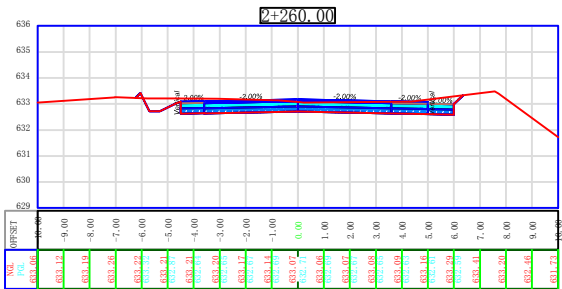
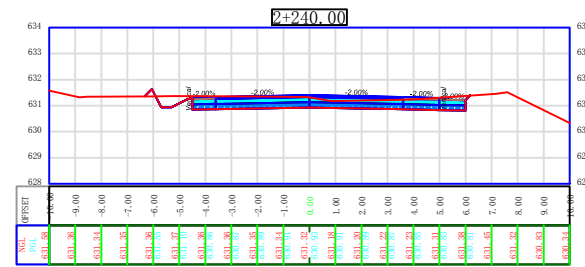
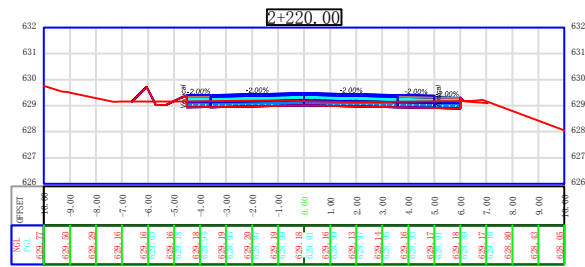
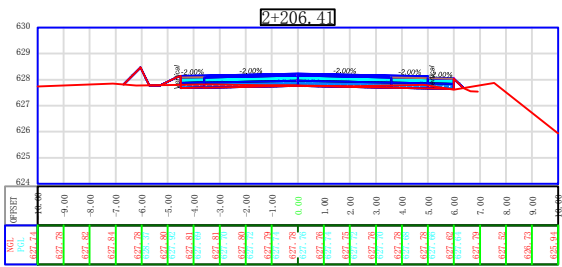
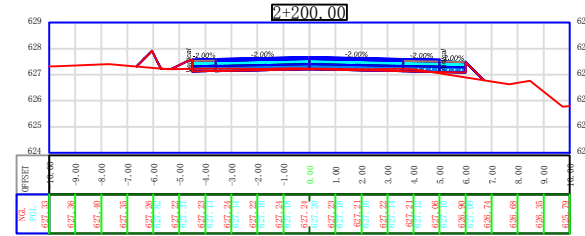
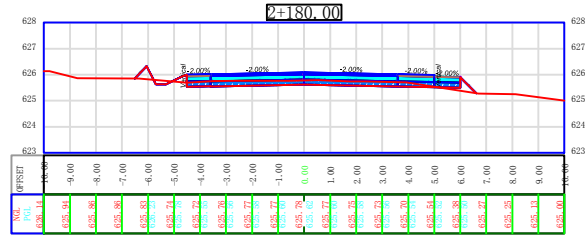
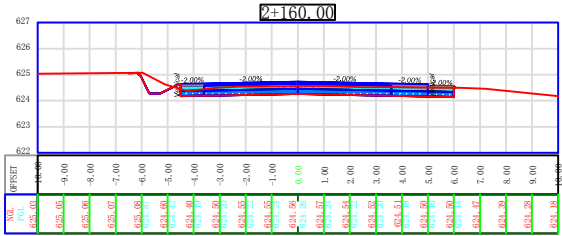
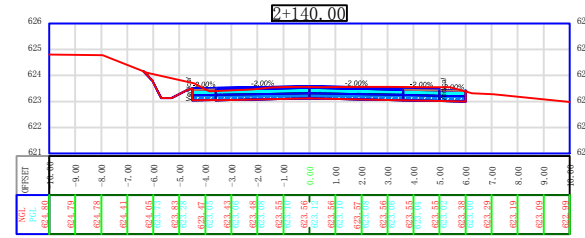
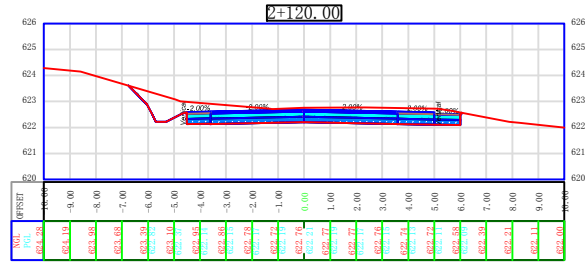
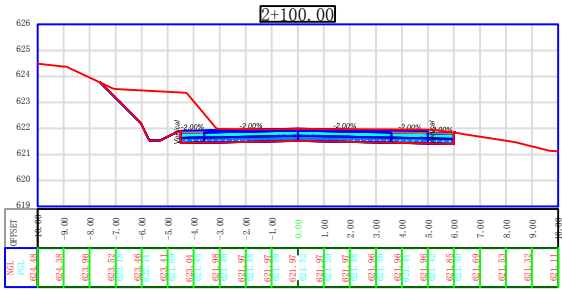


PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer: Eng. Malek Alsharay'eh	Supervisor: Wael Khwairah	Designed by: Mohammed Burghal, Bashar Amro, Anas Sulaiman
----------------------------------	---------------------------	---

Drawing TITLE.: X - SECTIONS - 16

Date: MAY 2020 Drawing No.:



- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

- BOULDER WALL
- ASPHALT
- CON. SHOULDER
- CURB STONE
- HIGH TENSION
- TREE
- CLIFF
- STONE WALL

PROPOSED:

- NEW Asphalt
- NEW BASECOURSE
- NEW BOULDER WALL
- CON. DETCH
- CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University

FUNDED BY:

STATE OF PALESTINE

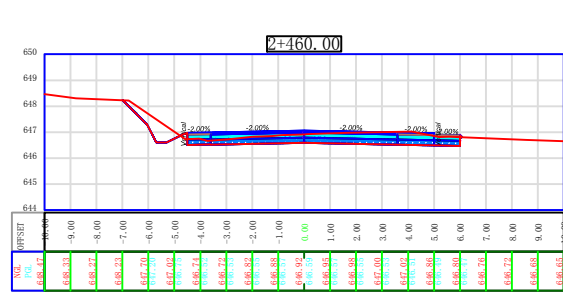
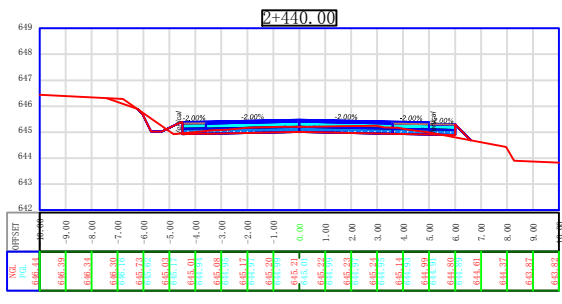
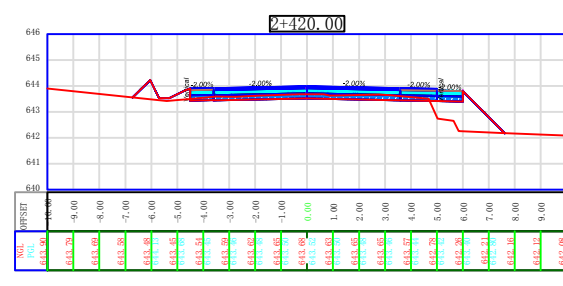
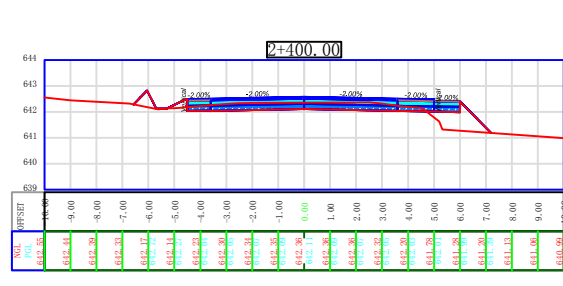
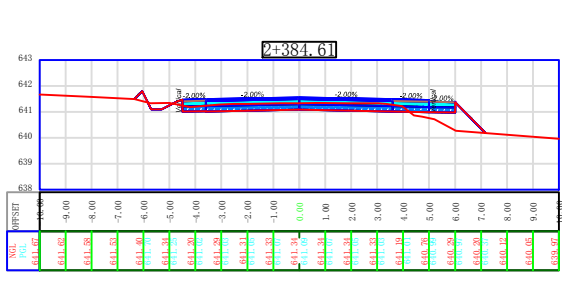
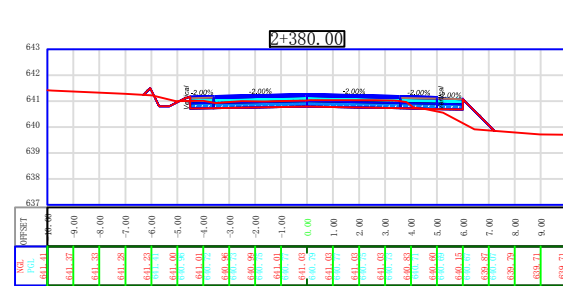
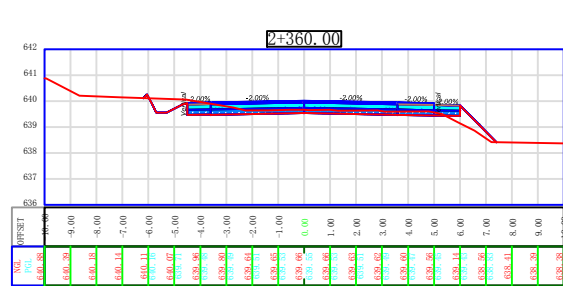
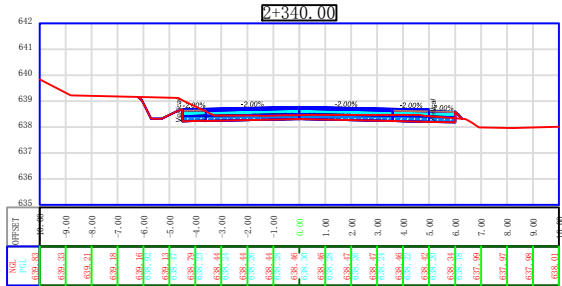
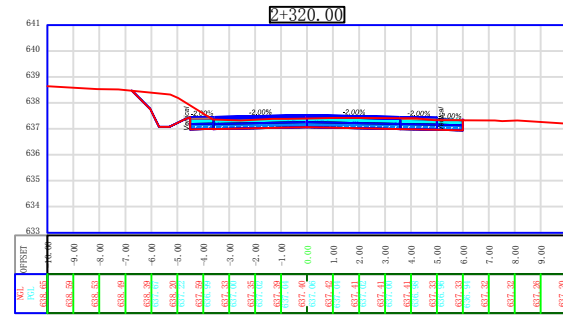
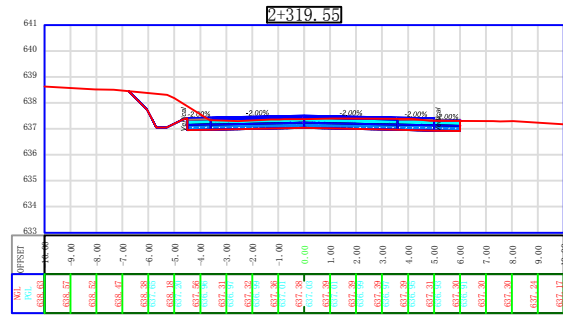
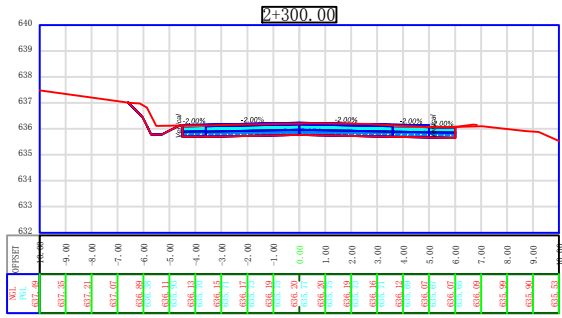
PROJECT NAME:
REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor: Eng. Malek Alsharrah

Designed by: Mohammed Burghal, Bashar Amro, Wael Khwairah, Anas Sulaiman

Drawing TITLE.: X-SECTIONS-17

Date: MAY 2020 | Drawing No.:



- NOTES :**
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectro sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



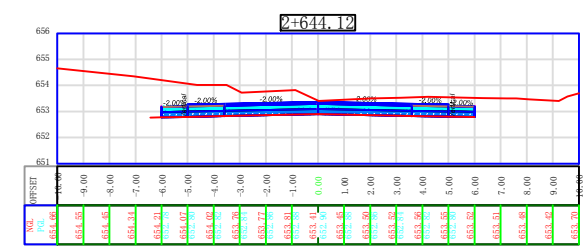
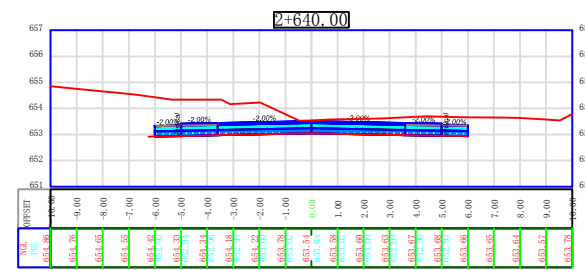
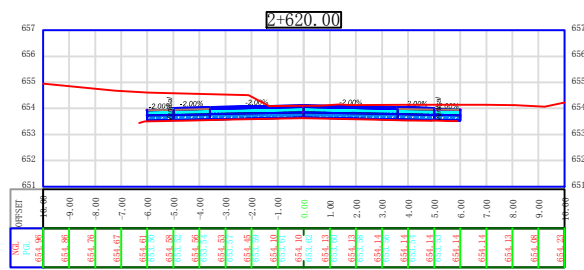
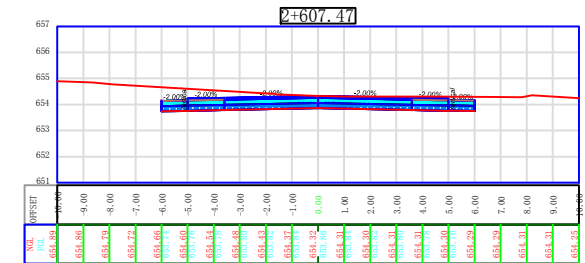
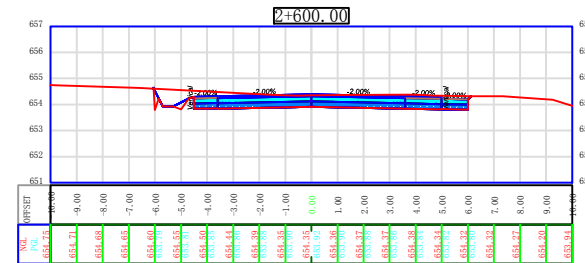
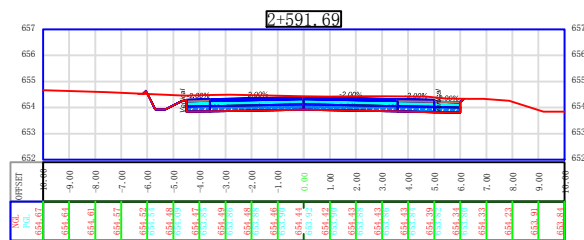
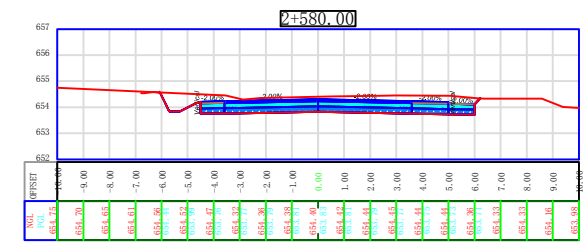
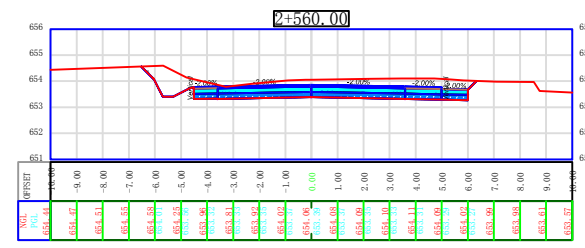
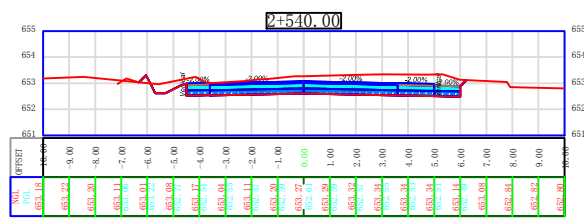
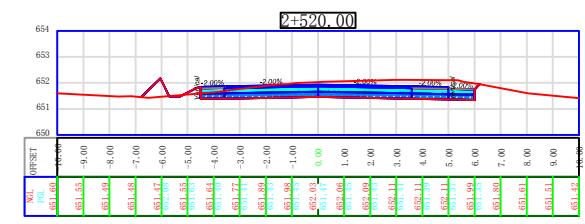
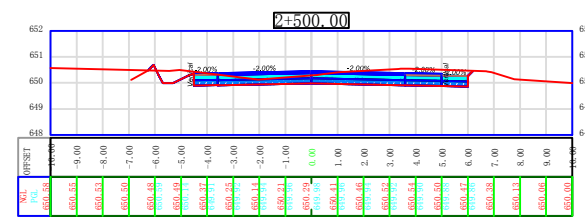
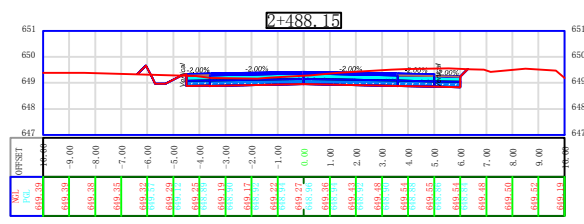
FUNDED BY:



STATE OF PALESTINE
PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer	Supervisor:	Designed by:
Eng.Malek Alsharay'eh		Mohammed Burghal Bashar Amro Wael Khwaireh Anas Sulaiman

Drawing TITLE: X-SECTIONS-19
Date: MAY 2020 **Drawing No.:**



NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS – MODEL spectra sp60

LEGEND FOR PLAN

- EXISTING:**
- BOULDER WALL
 - ASPHALT
 - CON. SHOULDER
 - CURB STONE
 - HIGH TENSION
 - TREE
 - CLIFF
 - STONE WALL
- PROPOSED:**
- NEW Asphalt
 - NEW BASECOURSE
 - NEW BOULDER WALL
 - CON. DETCH
 - CON. SHOULDER

LEGEND FOR PROFILE

- PGL
- NGL

Supervision:
Palestine Polytechnic University



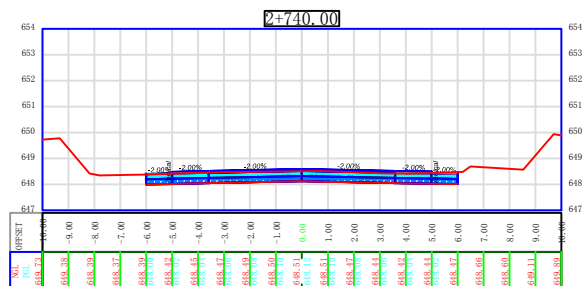
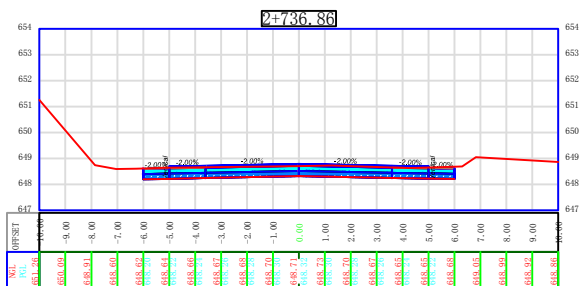
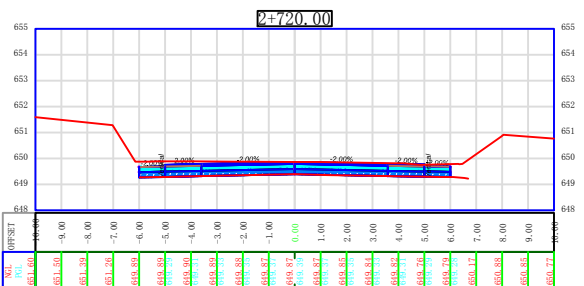
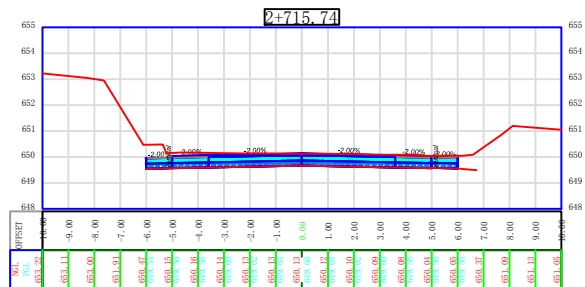
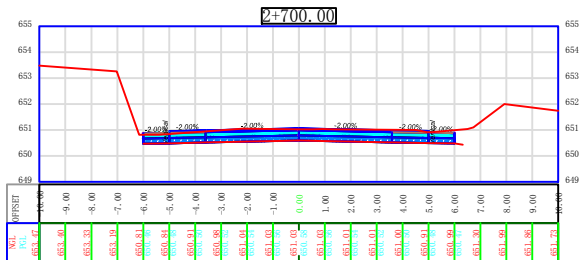
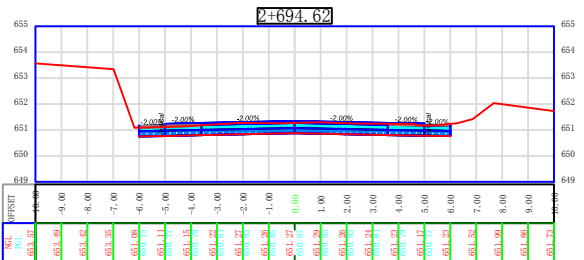
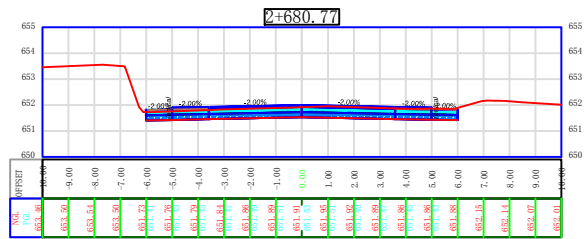
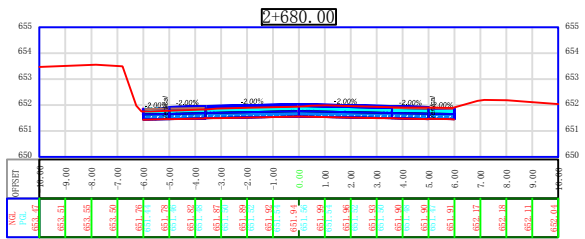
FUNDED BY:



PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: X-SECTIONS-20
Date: MAY 2020
Drawing No.:











NOTES :






1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

-  BOULDER WALL
-  ASPHALT
-  CON. SHOULDER
-  CURB STONE
-  HIGH TENSION
-  TREE
-  CLIFF WALL
-  STONE WALL

PROPOSED:

-  NEW Asphalt
-  NEW BASECOURSE
-  NEW BOULDER WALL
-  CON. DETCH
-  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



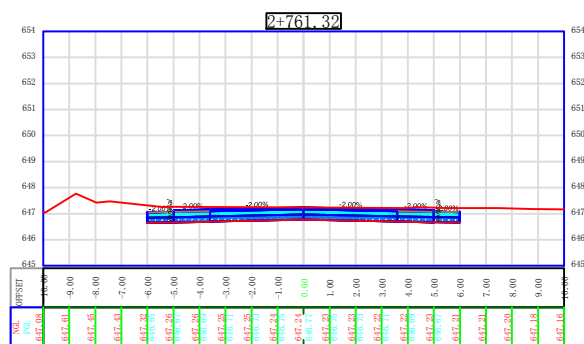
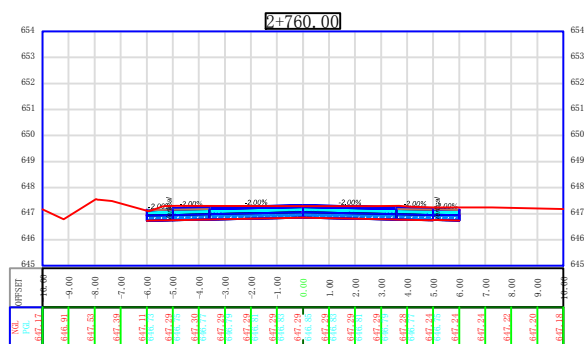
STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.: X-SECTIONS-21

Date: MAY 2020 **Drawing No.:**



pavment taqble			
Station	Area	Volume	Cumulative Volume
0+000.00	0.70	0.00	0.00
0+020.00	0.70	14.00	14.00
0+040.00	0.70	14.00	28.00
0+060.00	0.70	14.00	42.00
0+077.70	0.70	12.39	54.39
0+080.00	0.70	1.61	56.00
0+100.00	0.70	14.00	70.00
0+120.00	0.70	14.00	84.00
0+137.72	0.70	12.40	96.40
0+140.00	0.70	1.60	98.00
0+160.00	0.70	14.00	112.00
0+180.00	0.70	14.00	126.00
0+197.74	0.70	12.42	138.42
0+200.00	0.70	1.58	140.00
0+220.00	0.70	14.00	154.00

pavment taqble			
Station	Area	Volume	Cumulative Volume
0+238.75	0.70	13.13	167.13
0+240.00	0.70	0.87	168.00
0+260.00	0.70	14.00	182.00
0+280.00	0.70	14.00	196.00
0+291.83	0.70	8.28	204.28
0+300.00	0.70	5.72	210.00
0+320.00	0.70	14.00	224.00
0+340.00	0.70	14.00	238.00
0+344.91	0.70	3.44	241.44
0+360.00	0.70	10.56	252.00
0+380.00	0.70	14.00	266.00
0+400.00	0.70	14.00	280.00
0+417.28	0.70	12.09	292.09
0+420.00	0.70	1.91	294.00
0+440.00	0.70	14.00	308.00

pavment taqble			
Station	Area	Volume	Cumulative Volume
0+454.24	0.70	9.97	317.97
0+460.00	0.70	4.03	322.00
0+480.00	0.70	14.00	336.00
0+491.21	0.70	7.84	343.84
0+491.71	0.70	0.35	344.20
0+500.00	0.70	5.80	350.00
0+520.00	0.70	14.00	364.00
0+540.00	0.70	14.00	378.00
0+560.00	0.70	14.00	392.00
0+580.00	0.70	14.00	406.00
0+600.00	0.70	14.00	420.00
0+620.00	0.70	14.00	434.00
0+640.00	0.70	14.00	448.00
0+642.94	0.70	2.06	450.06
0+660.00	0.70	11.94	462.00

pavment taqble			
Station	Area	Volume	Cumulative Volume
0+680.00	0.70	14.00	476.00
0+700.00	0.70	14.00	490.00
0+720.00	0.70	14.00	504.00
0+740.00	0.70	14.00	518.00
0+760.00	0.70	14.00	532.00
0+780.00	0.70	14.00	546.00
0+794.18	0.70	9.92	555.92
0+800.00	0.70	4.08	560.00
0+818.55	0.70	12.99	572.99
0+820.00	0.70	1.01	574.00
0+840.00	0.70	14.00	588.00
0+860.00	0.70	14.00	602.00
0+880.00	0.70	14.00	616.00
0+900.00	0.70	14.00	630.00
0+902.17	0.70	1.52	631.52

pavment taqble			
Station	Area	Volume	Cumulative Volume
0+920.00	0.70	12.48	644.00
0+940.00	0.70	14.00	658.00
0+960.00	0.70	14.00	672.00
0+980.00	0.66	13.57	685.57
0+985.78	0.66	3.80	689.36
0+996.26	0.66	6.88	696.24
1+000.00	0.66	2.45	698.69
1+020.00	0.66	13.13	711.82
1+040.00	0.66	13.13	724.94
1+059.99	0.66	13.12	738.06
1+060.00	0.66	0.01	738.07
1+080.00	0.66	13.13	751.20
1+100.00	0.66	13.13	764.32
1+120.00	0.66	13.13	777.45
1+123.72	0.66	2.44	779.89

pavment taqble			
Station	Area	Volume	Cumulative Volume
1+135.57	0.66	7.77	787.66
1+140.00	0.66	2.91	790.57
1+160.00	0.66	13.11	803.68
1+180.00	0.66	13.11	816.79
1+199.90	0.66	13.05	829.84
1+200.00	0.66	0.06	829.91
1+220.00	0.66	13.11	843.02
1+240.00	0.66	13.11	856.13
1+260.00	0.66	13.11	869.24
1+264.24	0.66	2.78	872.02
1+280.00	0.66	10.34	882.36
1+300.00	0.66	13.12	895.48
1+320.00	0.66	13.12	908.60
1+340.00	0.66	13.12	921.72
1+360.00	0.66	13.12	934.84

pavment taqble			
Station	Area	Volume	Cumulative Volume
1+370.14	0.66	6.65	941.49
1+380.00	0.66	6.47	947.96
1+400.00	0.66	13.11	961.07
1+420.00	0.66	13.11	974.18
1+440.00	0.66	13.11	987.29
1+449.19	0.66	6.02	993.32
1+460.00	0.66	7.09	1000.41
1+480.00	0.66	13.11	1013.52
1+500.00	0.66	13.11	1026.63
1+520.00	0.66	13.11	1039.74
1+528.24	0.66	5.41	1045.15
1+540.00	0.66	7.71	1052.86
1+560.00	0.66	13.12	1065.98
1+580.00	0.66	13.12	1079.10
1+600.00	0.66	13.12	1092.22

pavment taqble			
Station	Area	Volume	Cumulative Volume
1+620.00	0.66	13.12	1105.34
1+640.00	0.66	13.12	1118.46
1+660.00	0.66	13.12	1131.58
1+680.00	0.66	13.12	1144.70
1+700.00	0.66	13.12	1157.82
1+720.00	0.66	13.12	1170.94
1+740.00	0.66	13.12	1184.06
1+760.00	0.66	13.12	1197.18
1+780.00	0.66	13.12	1210.30
1+800.00	0.66	13.12	1223.42
1+820.00	0.66	13.12	1236.54
1+840.00	0.66	13.12	1249.66
1+860.00	0.66	13.12	1262.78
1+880.00	0.66	13.12	1275.90
1+900.00	0.66	13.12	1289.02

pavment taqble			
Station	Area	Volume	Cumulative Volume
1+920.00	0.66	13.12	1302.14
1+940.00	0.66	13.12	1315.26
1+960.00	0.66	13.12	1328.38
1+980.00	0.66	13.12	1341.50
1+989.16	0.66	6.01	1347.51
2+000.00	0.66	7.11	1354.62
2+019.59	0.66	12.84	1367.46
2+020.00	0.66	0.27	1367.73
2+040.00	0.66	13.11	1380.84
2+050.03	0.66	6.57	1387.41
2+060.00	0.66	6.54	1393.95
2+080.00	0.66	13.12	1407.07
2+100.00	0.66	13.12	1420.19
2+120.00	0.66	13.12	1433.31
2+140.00	0.66	13.12	1446.43

pavment taqble			
Station	Area	Volume	Cumulative Volume
2+160.00	0.66	13.12	1459.55
2+180.00	0.66	13.12	1472.67
2+200.00	0.66	13.12	1485.79
2+206.41	0.66	4.20	1489.99
2+220.00	0.66	8.91	1498.90
2+240.00	0.66	13.11	1512.01
2+260.00	0.66	13.11	1525.11
2+262.98	0.66	1.95	1527.07
2+280.00	0.66	11.15	1538.22
2+300.00	0.66	13.11	1551.33
2+319.55	0.66	12.81	1564.14
2+320.00	0.66	0.30	1564.44
2+340.00	0.66	13.12	1577.56
2+360.00	0.66	13.12	1590.68
2+380.00	0.66	13.12	1603.80

pavment taqble			
Station	Area	Volume	Cumulative Volume
2+384.61	0.66	3.03	1606.82
2+400.00	0.66	10.10	1616.93
2+420.00	0.66	13.13	1630.06
2+440.00	0.66	13.13	1643.19
2+460.00	0.66	13.13	1656.33
2+480.00	0.66	13.13	1669.46
2+488.15	0.66	5.35	1674.81
2+500.00	0.66	7.78	1682.59
2+520.00	0.66	13.13	1695.73
2+540.00	0.66	13.13	1708.86
2+560.00	0.66	13.13	1722.00
2+580.00	0.66	13.13	1735.13
2+591.69	0.66	7.68	1742.81
2+600.00	0.66	5.45	1748.26
2+607.47	0.70	5.06	1753.32


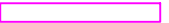





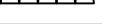
pavment taqble			
Station	Area	Volume	Cumulative Volume
2+620.00	0.70	8.77	1762.09
2+640.00	0.70	14.00	1776.09
2+644.12	0.70	2.88	1778.98
2+660.00	0.70	11.12	1790.09
2+680.00	0.70	14.00	1804.09
2+680.77	0.70	0.54	1804.63
2+694.62	0.70	9.69	1814.32
2+700.00	0.70	3.77	1818.09
2+715.74	0.70	11.02	1829.11
2+720.00	0.70	2.98	1832.09
2+736.86	0.70	11.81	1843.90
2+740.00	0.70	2.19	1846.09
2+760.00	0.70	14.00	1860.09
2+761.32	0.70	0.93	1861.02

NOTES :



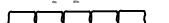


1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

-  BOULDER WALL
-  ASPHALT
-  CON. SHOULDER
-  CURB STONE
-  HIGH TENSION
-  TREE
-  CLIFF
-  STONE WALL

PROPOSED:

-  NEW Asphalt
-  NEW BASECOURSE
-  NEW BOULDER WALL
-  CON. DETCH
-  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME:
REHABILITATION OF
SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwaireh Anas Sulaiman

Drawing TITLE.:	Date: MAY 2020	Drawing No.:
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basecourse			
Station	Area	Volume	Cumulative Volume
0+000.00	2.40	0.00	0.00
0+020.00	2.40	48.00	48.00
0+040.00	2.40	48.00	96.00
0+060.00	2.40	48.00	144.00
0+077.70	2.40	42.48	186.48
0+080.00	2.40	5.52	192.00
0+100.00	2.40	48.00	240.00
0+120.00	2.40	48.00	288.00
0+137.72	2.40	42.53	330.53
0+140.00	2.40	5.47	336.00
0+160.00	2.40	48.00	384.00
0+180.00	2.40	48.00	432.00
0+197.74	2.40	42.58	474.58
0+200.00	2.40	5.42	480.00
0+220.00	2.40	48.00	528.00

basecourse			
Station	Area	Volume	Cumulative Volume
0+238.75	2.40	45.00	573.00
0+240.00	2.40	3.00	576.00
0+260.00	2.40	48.00	624.00
0+280.00	2.40	48.00	672.00
0+291.83	2.40	28.40	700.40
0+300.00	2.40	19.60	720.00
0+320.00	2.40	48.00	768.00
0+340.00	2.40	48.00	816.00
0+344.91	2.40	11.79	827.79
0+360.00	2.40	36.21	864.00
0+380.00	2.40	48.00	912.00
0+400.00	2.40	48.00	960.00
0+417.28	2.40	41.47	1001.47
0+420.00	2.40	6.53	1008.00
0+440.00	2.40	48.00	1056.00

basecourse			
Station	Area	Volume	Cumulative Volume
0+454.24	2.40	34.18	1090.18
0+460.00	2.40	13.82	1104.00
0+480.00	2.40	48.00	1152.00
0+491.21	2.40	26.89	1178.89
0+491.71	2.40	1.20	1180.10
0+500.00	2.40	19.90	1200.00
0+520.00	2.40	48.00	1248.00
0+540.00	2.40	48.00	1296.00
0+560.00	2.40	48.00	1344.00
0+580.00	2.40	48.00	1392.00
0+600.00	2.40	48.00	1440.00
0+620.00	2.40	48.00	1488.00
0+640.00	2.40	48.00	1536.00
0+642.94	2.40	7.06	1543.06
0+660.00	2.40	40.94	1584.00

basecourse			
Station	Area	Volume	Cumulative Volume
0+680.00	2.40	48.00	1632.00
0+700.00	2.40	48.00	1680.00
0+720.00	2.40	48.00	1728.00
0+740.00	2.40	48.00	1776.00
0+760.00	2.40	48.00	1824.00
0+780.00	2.40	48.00	1872.00
0+794.18	2.40	34.03	1906.03
0+800.00	2.40	13.97	1920.00
0+818.55	2.40	44.53	1964.53
0+820.00	2.40	3.47	1968.00
0+840.00	2.40	48.00	2016.00
0+860.00	2.40	48.00	2064.00
0+880.00	2.40	48.00	2112.00
0+900.00	2.40	48.00	2160.00
0+902.17	2.40	5.20	2165.20

basecourse			
Station	Area	Volume	Cumulative Volume
0+920.00	2.40	42.80	2208.00
0+940.00	2.40	48.00	2256.00
0+960.00	2.40	48.00	2304.00
0+980.00	2.10	45.05	2349.05
0+985.78	2.10	12.17	2361.23
0+996.26	2.10	22.01	2383.24
1+000.00	2.10	7.85	2391.08
1+020.00	2.10	42.05	2433.14
1+040.00	2.10	42.05	2475.19
1+059.99	2.10	42.03	2517.22
1+060.00	2.10	0.02	2517.24
1+080.00	2.10	42.05	2559.29
1+100.00	2.10	42.05	2601.35
1+120.00	2.10	42.05	2643.40
1+123.72	2.10	7.80	2651.20

basecourse			
Station	Area	Volume	Cumulative Volume
1+135.57	2.10	24.88	2676.09
1+140.00	2.10	9.31	2685.40
1+160.00	2.10	41.94	2727.33
1+180.00	2.10	41.94	2769.27
1+199.90	2.10	41.73	2811.00
1+200.00	2.10	0.21	2811.21
1+220.00	2.10	41.94	2853.15
1+240.00	2.10	41.94	2895.08
1+260.00	2.10	41.94	2937.02
1+264.24	2.10	8.90	2945.92
1+280.00	2.10	33.10	2979.02
1+300.00	2.10	42.00	3021.02
1+320.00	2.10	42.00	3063.02
1+340.00	2.10	42.00	3105.02
1+360.00	2.10	42.00	3147.02

basecourse			
Station	Area	Volume	Cumulative Volume
1+370.14	2.10	21.28	3168.30
1+380.00	2.10	20.68	3188.99
1+400.00	2.10	41.94	3230.93
1+420.00	2.10	41.94	3272.86
1+440.00	2.10	41.94	3314.80
1+449.19	2.10	19.27	3334.07
1+460.00	2.10	22.67	3356.74
1+480.00	2.10	41.94	3398.67
1+500.00	2.10	41.94	3440.61
1+520.00	2.10	41.94	3482.55
1+528.24	2.10	17.31	3499.85
1+540.00	2.10	24.69	3524.55
1+560.00	2.10	42.00	3566.55
1+580.00	2.10	42.00	3608.55
1+600.00	2.10	42.00	3650.55

basecourse			
Station	Area	Volume	Cumulative Volume
1+620.00	2.10	42.00	3692.55
1+640.00	2.10	42.00	3734.55
1+660.00	2.10	42.00	3776.55
1+680.00	2.10	42.00	3818.55
1+700.00	2.10	42.00	3860.55
1+720.00	2.10	42.00	3902.55
1+740.00	2.10	42.00	3944.55
1+760.00	2.10	42.00	3986.55
1+780.00	2.10	42.00	4028.55
1+800.00	2.10	42.00	4070.55
1+820.00	2.10	42.00	4112.55
1+840.00	2.10	42.00	4154.55
1+860.00	2.10	42.00	4196.55
1+880.00	2.10	42.00	4238.55
1+900.00	2.10	42.00	4280.55

basecourse			
Station	Area	Volume	Cumulative Volume
1+920.00	2.10	42.00	4322.55
1+940.00	2.10	42.00	4364.55
1+960.00	2.10	42.00	4406.55
1+980.00	2.10	42.00	4448.55
1+989.16	2.10	19.23	4467.78
2+000.00	2.10	22.73	4490.51
2+019.59	2.10	41.07	4531.57
2+020.00	2.10	0.85	4532.43
2+040.00	2.10	41.92	4574.35
2+050.03	2.10	21.02	4595.37
2+060.00	2.10	20.94	4616.31
2+080.00	2.10	42.00	4658.31
2+100.00	2.10	42.00	4700.31
2+120.00	2.10	42.00	4742.31
2+140.00	2.10	42.00	4784.31

basecourse			
Station	Area	Volume	Cumulative Volume
2+160.00	2.10	42.00	4826.31
2+180.00	2.10	42.00	4868.31
2+200.00	2.10	42.00	4910.31
2+206.41	2.10	13.46	4923.77
2+220.00	2.10	28.47	4952.24
2+240.00	2.10	41.90	4994.13
2+260.00	2.10	41.90	5036.03
2+262.98	2.10	6.26	5042.28
2+280.00	2.10	35.66	5077.94
2+300.00	2.10	41.90	5119.83
2+319.55	2.10	40.95	5160.79
2+320.00	2.10	0.95	5161.73
2+340.00	2.10	42.00	5203.73
2+360.00	2.10	42.00	5245.73
2+380.00	2.10	42.00	5287.73

basecourse			
Station	Area	Volume	Cumulative Volume
2+384.61	2.10	9.69	5297.42
2+400.00	2.10	32.39	5329.81
2+420.00	2.10	42.11	5371.92
2+440.00	2.10	42.11	5414.02
2+460.00	2.10	42.11	5456.13
2+480.00	2.10	42.11	5498.23
2+488.15	2.10	17.16	5515.40
2+500.00	2.10	24.94	5540.34
2+520.00	2.10	42.11	5582.44
2+540.00	2.10	42.11	5624.55
2+560.00	2.10	42.11	5666.65
2+580.00	2.10	42.11	5708.76
2+591.69	2.10	24.61	5733.37
2+600.00	2.10	17.45	5750.82
2+607.47	2.40	16.80	5767.62

basecourse			
Station	Area	Volume	Cumulative Volume
2+620.00	2.40	30.08	5797.70
2+640.00	2.40	48.00	5845.70
2+644.12	2.40	9.89	5855.59
2+660.00	2.40	38.11	5893.70
2+680.00	2.40	48.00	5941.70
2+680.77	2.40	1.85	5943.55
2+694.62	2.40	33.23	5976.78
2+700.00	2.40	12.92	5989.70
2+715.74	2.40	37.78	6027.47
2+720.00	2.40	10.22	6037.70
2+736.86	2.40	40.48	6078.17
2+740.00	2.40	7.52	6085.70
2+760.00	2.40	48.00	6133.70
2+761.32	2.40	3.17	6136.87

NOTES :

- ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
- ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
- COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
- ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

	BOULDER WALL
	ASPHALT
	CON. SHOULDER
	CURB STONE
	HIGH TENSION
	TREE
	CLIFF
	STONE WALL

PROPOSED:

	NEW Asphalt
	NEW BASECOURSE
	NEW BOULDER WALL
	CON. DETCH
	CON. SHOULDER

LEGEND FOR PROFILE

	PGL
	NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME: REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng.Malek ALsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.:

Date: MAY 2020 Drawing No.:

SUB-BASE			
Station	Area	Volume	Cumulative Volume
0+000.00	2.40	0.00	0.00
0+020.00	2.40	48.00	48.00
0+040.00	2.40	48.00	96.00
0+060.00	2.40	48.00	144.00
0+077.70	2.40	42.48	186.48
0+080.00	2.40	5.52	192.00
0+100.00	2.40	48.00	240.00
0+120.00	2.40	48.00	288.00
0+137.72	2.40	42.53	330.53
0+140.00	2.40	5.47	336.00
0+160.00	2.40	48.00	384.00
0+180.00	2.40	48.00	432.00
0+197.74	2.40	42.58	474.58
0+200.00	2.40	5.42	480.00
0+220.00	2.40	48.00	528.00

SUB-BASE			
Station	Area	Volume	Cumulative Volume
0+238.75	2.40	45.00	573.00
0+240.00	2.40	3.00	576.00
0+260.00	2.40	48.00	624.00
0+280.00	2.40	48.00	672.00
0+291.83	2.40	28.40	700.40
0+300.00	2.40	19.60	720.00
0+320.00	2.40	48.00	768.00
0+340.00	2.40	48.00	816.00
0+344.91	2.40	11.79	827.79
0+360.00	2.40	36.21	864.00
0+380.00	2.40	48.00	912.00
0+400.00	2.40	48.00	960.00
0+417.28	2.40	41.47	1001.47
0+420.00	2.40	6.53	1008.00
0+440.00	2.40	48.00	1056.00

SUB-BASE			
Station	Area	Volume	Cumulative Volume
0+454.24	2.40	34.18	1090.18
0+460.00	2.40	13.82	1104.00
0+480.00	2.40	48.00	1152.00
0+491.21	2.40	26.89	1178.89
0+491.71	2.40	1.20	1180.10
0+500.00	2.40	19.90	1200.00
0+520.00	2.40	48.00	1248.00
0+540.00	2.40	48.00	1296.00
0+560.00	2.40	48.00	1344.00
0+580.00	2.40	48.00	1392.00
0+600.00	2.40	48.00	1440.00
0+620.00	2.40	48.00	1488.00
0+640.00	2.40	48.00	1536.00
0+642.94	2.40	7.06	1543.06
0+660.00	2.40	40.94	1584.00

SUB-BASE			
Station	Area	Volume	Cumulative Volume
0+680.00	2.40	48.00	1632.00
0+700.00	2.40	48.00	1680.00
0+720.00	2.40	48.00	1728.00
0+740.00	2.40	48.00	1776.00
0+760.00	2.40	48.00	1824.00
0+780.00	2.40	48.00	1872.00
0+794.18	2.40	34.03	1906.03
0+800.00	2.40	13.97	1920.00
0+818.55	2.40	44.53	1964.53
0+820.00	2.40	3.47	1968.00
0+840.00	2.40	48.00	2016.00
0+860.00	2.40	48.00	2064.00
0+880.00	2.40	48.00	2112.00
0+900.00	2.40	48.00	2160.00
0+902.17	2.40	5.20	2165.20

SUB-BASE			
Station	Area	Volume	Cumulative Volume
0+920.00	2.40	42.80	2208.00
0+940.00	2.40	48.00	2256.00
0+960.00	2.40	48.00	2304.00
0+980.00	2.10	45.05	2349.05
0+985.78	2.10	12.17	2361.23
0+996.26	2.10	22.01	2383.24
1+000.00	2.10	7.85	2391.08
1+020.00	2.10	42.05	2433.14
1+040.00	2.10	42.05	2475.19
1+059.99	2.10	42.03	2517.22
1+060.00	2.10	0.02	2517.24
1+080.00	2.10	42.05	2559.29
1+100.00	2.10	42.05	2601.35
1+120.00	2.10	42.05	2643.40
1+123.72	2.10	7.80	2651.20

SUB-BASE			
Station	Area	Volume	Cumulative Volume
1+135.57	2.10	24.88	2676.09
1+140.00	2.10	9.31	2685.40
1+160.00	2.10	41.94	2727.33
1+180.00	2.10	41.94	2769.27
1+199.90	2.10	41.73	2811.00
1+200.00	2.10	0.21	2811.21
1+220.00	2.10	41.94	2853.15
1+240.00	2.10	41.94	2895.08
1+260.00	2.10	41.94	2937.02
1+264.24	2.10	8.90	2945.92
1+280.00	2.10	33.10	2979.02
1+300.00	2.10	42.00	3021.02
1+320.00	2.10	42.00	3063.02
1+340.00	2.10	42.00	3105.02
1+360.00	2.10	42.00	3147.02

SUB-BASE			
Station	Area	Volume	Cumulative Volume
1+370.14	2.10	21.28	3168.30
1+380.00	2.10	20.68	3188.99
1+400.00	2.10	41.94	3230.93
1+420.00	2.10	41.94	3272.86
1+440.00	2.10	41.94	3314.80
1+449.19	2.10	19.27	3334.07
1+460.00	2.10	22.67	3356.74
1+480.00	2.10	41.94	3398.67
1+500.00	2.10	41.94	3440.61
1+520.00	2.10	41.94	3482.55
1+528.24	2.10	17.31	3499.85
1+540.00	2.10	24.69	3524.55
1+560.00	2.10	42.00	3566.55
1+580.00	2.10	42.00	3608.55
1+600.00	2.10	42.00	3650.55

SUB-BASE			
Station	Area	Volume	Cumulative Volume
1+620.00	2.10	42.00	3692.55
1+640.00	2.10	42.00	3734.55
1+660.00	2.10	42.00	3776.55
1+680.00	2.10	42.00	3818.55
1+700.00	2.10	42.00	3860.55
1+720.00	2.10	42.00	3902.55
1+740.00	2.10	42.00	3944.55
1+760.00	2.10	42.00	3986.55
1+780.00	2.10	42.00	4028.55
1+800.00	2.10	42.00	4070.55
1+820.00	2.10	42.00	4112.55
1+840.00	2.10	42.00	4154.55
1+860.00	2.10	42.00	4196.55
1+880.00	2.10	42.00	4238.55
1+900.00	2.10	42.00	4280.55

SUB-BASE			
Station	Area	Volume	Cumulative Volume
1+920.00	2.10	42.00	4322.55
1+940.00	2.10	42.00	4364.55
1+960.00	2.10	42.00	4406.55
1+980.00	2.10	42.00	4448.55
1+989.16	2.10	19.23	4467.78
2+000.00	2.10	22.73	4490.51
2+019.59	2.10	41.07	4531.57
2+020.00	2.10	0.85	4532.43
2+040.00	2.10	41.92	4574.35
2+050.03	2.10	21.02	4595.37
2+060.00	2.10	20.94	4616.31
2+080.00	2.10	42.00	4658.31
2+100.00	2.10	42.00	4700.31
2+120.00	2.10	42.00	4742.31
2+140.00	2.10	42.00	4784.31

SUB-BASE			
Station	Area	Volume	Cumulative Volume
2+160.00	2.10	42.00	4826.31
2+180.00	2.10	42.00	4868.31
2+200.00	2.10	42.00	4910.31
2+206.41	2.10	13.46	4923.77
2+220.00	2.10	28.47	4952.24
2+240.00	2.10	41.90	4994.13
2+260.00	2.10	41.90	5036.03
2+262.98	2.10	6.26	5042.28
2+280.00	2.10	35.66	5077.94
2+300.00	2.10	41.90	5119.83
2+319.55	2.10	40.95	5160.79
2+320.00	2.10	0.95	5161.73
2+340.00	2.10	42.00	5203.73
2+360.00	2.10	42.00	5245.73
2+380.00	2.10	42.00	5287.73

SUB-BASE			
Station	Area	Volume	Cumulative Volume
2+384.61	2.10	9.69	5297.42
2+400.00	2.10	32.39	5329.81
2+420.00	2.10	42.11	5371.92
2+440.00	2.10	42.11	5414.02
2+460.00	2.10	42.11	5456.13
2+480.00	2.10	42.11	5498.23
2+488.15	2.10	17.16	5515.40
2+500.00	2.10	24.94	5540.34
2+520.00	2.10	42.11	5582.44
2+540.00	2.10	42.11	5624.55
2+560.00	2.10	42.11	5666.65
2+580.00	2.10	42.11	5708.76
2+591.69	2.10	24.61	5733.37
2+600.00	2.10	17.45	5750.82
2+607.47	2.40	16.80	5767.62


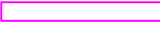




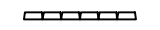

SUB-BASE			
Station	Area	Volume	Cumulative Volume
2+620.00	2.40	30.08	5797.70
2+640.00	2.40	48.00	5845.70
2+644.12	2.40	9.89	5855.59
2+660.00	2.40	38.11	5893.70
2+680.00	2.40	48.00	5941.70
2+680.77	2.40	1.85	5943.55
2+694.62	2.40	33.23	5976.78
2+700.00	2.40	12.92	5989.70
2+715.74	2.40	37.78	6027.47
2+720.00	2.40	10.22	6037.70
2+736.86	2.40	40.48	6078.17
2+740.00	2.40	7.52	6085.70
2+760.00	2.40	48.00	6133.70
2+761.32	2.40	3.17	6136.87

NOTES :






1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED.
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. ALL COORDINATES HAVE BEEN TAKEN BY TREMBLE GPS - MODEL spectra sp60

LEGEND FOR PLAN

EXISTING:

-  BOULDER WALL
-  ASPHALT
-  CON. SHOULDER
-  CURB STONE
-  HIGH TENSION
-  TREE
-  CLIFF
-  STONE WALL

PROPOSED:

-  NEW Asphalt
-  NEW BASECOURSE
-  NEW BOULDER WALL
-  CON. DETCH
-  CON. SHOULDER

LEGEND FOR PROFILE

-  PGL
-  NGL

Supervision:

Palestine Polytechnic University



FUNDED BY:



STATE OF PALESTINE

PROJECT NAME: REHABILITATION OF SALFEET ENTRANCE

Designer Supervisor:	Designed by:
Eng. Malek Alsharay'eh	Mohammed Burghal Bashar Amro Wael Khwairah Anas Sulaiman

Drawing TITLE.:

Date: MAY 2020 Drawing No.:

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.00	6.51	0.00	0.00	0.00	0.00
0+020.00	0.00	4.73	0.00	112.48	0.00	112.48
0+040.00	0.00	3.24	0.00	79.73	0.00	192.21
0+060.00	0.00	3.09	0.00	63.26	0.00	255.47
0+077.70	0.00	3.23	0.00	55.88	0.00	311.35
0+080.00	0.00	3.15	0.00	7.33	0.00	318.69
0+100.00	0.00	3.08	0.00	62.03	0.00	380.71
0+120.00	0.00	3.82	0.00	68.96	0.00	449.67
0+137.72	0.00	4.94	0.00	77.63	0.00	527.30
0+140.00	0.00	5.15	0.00	11.50	0.00	538.80
0+180.00	0.00	6.40	0.00	115.11	0.00	653.91
0+180.00	0.00	5.06	0.00	114.10	0.00	768.01
0+197.74	0.00	6.85	0.00	105.13	0.00	873.13
0+200.00	0.00	6.78	0.00	15.38	0.00	888.51
0+220.00	0.00	6.12	0.00	128.99	0.00	1017.50
0+238.75	0.00	6.17	0.00	115.24	0.00	1132.75
0+240.00	0.00	6.16	0.00	7.70	0.00	1140.45
0+260.00	0.00	5.84	0.00	120.12	0.00	1260.57
0+280.00	0.00	4.58	0.00	104.32	0.00	1364.89
0+291.83	0.00	4.46	0.00	53.59	0.00	1418.48

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+300.00	0.00	5.85	0.00	42.23	0.00	1460.71
0+320.00	0.00	6.43	0.00	123.44	0.00	1584.15
0+340.00	0.00	3.69	0.00	101.77	0.00	1685.92
0+344.91	0.00	3.17	0.00	16.93	0.00	1702.85
0+360.00	0.00	2.48	0.00	42.63	0.00	1745.49
0+380.00	0.82	3.84	8.24	63.19	8.24	1808.67
0+400.00	0.81	4.13	16.32	79.62	24.56	1888.30
0+417.28	0.19	3.89	8.60	69.28	33.16	1957.58
0+420.00	0.09	4.01	0.38	10.76	33.54	1968.34
0+440.00	0.00	7.70	0.91	117.11	34.45	2085.45
0+454.24	0.00	10.33	0.00	128.45	34.45	2213.90
0+460.00	0.00	11.16	0.00	61.87	34.45	2275.77
0+480.00	0.00	11.18	0.00	223.31	34.45	2499.08
0+491.21	0.00	11.43	0.00	126.64	34.45	2625.72
0+491.71	0.00	11.45	0.00	5.73	34.45	2631.46
0+500.00	0.00	11.92	0.00	96.89	34.45	2728.34
0+520.00	0.00	11.21	0.00	231.25	34.45	2959.60
0+540.00	0.00	8.57	0.00	197.79	34.45	3157.39
0+560.00	0.00	7.78	0.00	163.46	34.45	3320.85
0+580.00	0.00	8.95	0.00	167.24	34.45	3488.09

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+600.00	0.00	8.03	0.00	169.79	34.45	3657.88
0+620.00	0.00	8.01	0.00	160.39	34.45	3818.27
0+640.00	0.00	4.49	0.00	125.02	34.45	3943.29
0+642.94	0.00	4.61	0.00	13.39	34.45	3956.68
0+660.00	0.00	2.99	0.00	64.77	34.45	4021.45
0+680.00	0.42	4.65	4.18	76.41	38.63	4097.85
0+700.00	0.00	7.82	4.18	124.76	42.82	4222.61
0+720.00	0.00	12.39	0.00	202.09	42.82	4424.70
0+740.00	0.00	9.92	0.00	223.06	42.82	4647.76
0+760.00	0.00	6.82	0.00	167.41	42.82	4815.17
0+780.00	0.00	3.71	0.00	105.34	42.82	4920.51
0+794.18	0.00	3.28	0.00	49.62	42.82	4970.13
0+800.00	0.00	3.80	0.00	20.63	42.82	4990.76
0+818.55	0.00	6.29	0.00	93.65	42.82	5084.41
0+820.00	0.00	6.58	0.00	9.32	42.82	5093.73
0+840.00	0.00	6.41	0.00	129.81	42.82	5223.54
0+860.00	0.00	2.86	0.00	92.62	42.82	5316.17
0+880.00	0.84	3.01	8.40	58.25	51.22	5374.42
0+900.00	0.00	4.88	8.40	78.03	59.62	5452.45
0+902.17	0.00	5.41	0.00	11.15	59.62	5463.61

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+920.00	0.00	8.79	0.00	125.66	59.62	5589.27
0+940.00	0.00	13.15	0.00	218.19	59.62	5807.46
0+960.00	0.00	10.65	0.00	236.96	59.62	6044.42
0+980.00	0.00	8.98	0.00	195.86	59.62	6240.28
0+985.78	0.15	8.51	0.42	50.52	60.04	6290.80
0+996.26	0.07	8.74	1.13	90.37	61.16	6381.17
1+000.00	0.12	7.88	0.34	31.04	61.51	6412.21
1+020.00	0.23	2.56	3.46	104.17	64.96	6516.39
1+040.00	1.45	0.82	16.72	33.73	81.69	6550.12
1+059.99	0.01	2.97	14.50	37.79	96.19	6587.91
1+060.00	0.01	2.97	0.00	0.03	96.19	6587.94
1+080.00	0.00	5.99	0.07	89.37	96.26	6677.31
1+100.00	0.06	6.73	0.55	127.02	96.81	6804.33
1+120.00	0.73	5.31	7.92	120.21	104.73	6924.54
1+123.72	1.58	4.87	4.28	18.90	109.01	6943.45
1+135.57	2.63	4.57	24.92	55.91	133.93	6999.36
1+140.00	5.80	5.02	18.69	21.26	152.63	7020.62
1+160.00	8.17	6.19	137.55	112.31	290.18	7132.93
1+180.00	3.25	6.89	112.39	130.87	402.57	7263.80
1+199.90	0.00	6.95	31.85	137.89	434.41	7401.69

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+200.00	0.00	6.95	0.00	0.68	434.41	7402.37
1+220.00	0.01	8.47	0.11	154.80	434.53	7557.17
1+240.00	0.00	7.37	0.10	159.06	434.62	7716.22
1+260.00	0.00	9.53	0.00	169.94	434.62	7886.17
1+264.24	0.00	8.30	0.00	37.79	434.63	7923.95
1+280.00	0.00	12.12	0.06	160.92	434.69	8084.87
1+300.00	0.00	9.73	0.05	218.50	434.74	8303.37
1+320.00	0.66	4.31	6.56	140.35	441.29	8443.72
1+340.00	0.22	2.81	8.76	71.11	450.05	8514.83
1+360.00	0.19	3.07	4.06	58.72	454.11	8573.55
1+370.14	0.24	3.19	2.14	31.69	456.25	8605.24
1+380.00	0.11	4.05	1.73	35.69	457.99	8640.93
1+400.00	0.72	4.33	8.43	83.71	466.41	8724.64
1+420.00	0.01	9.52	7.33	139.17	473.75	8863.81
1+440.00	0.00	12.78	0.05	224.79	473.80	9088.59
1+449.19	0.00	16.05	0.01	133.57	473.81	9222.17
1+460.00	0.01	17.04	0.06	180.52	473.87	9402.69
1+480.00	0.00	14.81	0.09	321.61	473.95	9724.30
1+500.00	0.00	12.37	0.00	274.24	473.95	9998.54
1+520.00	0.04	13.71	0.37	262.90	474.32	10261.43

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+528.24	0.22	11.36	1.05	103.29	475.37	10364.72
1+540.00	1.06	6.36	7.48	104.19	482.85	10468.91
1+560.00	1.53	5.42	25.90	117.82	508.75	10586.74
1+580.00	0.01	12.79	15.40	182.13	524.15	10768.86
1+600.00	0.00	19.15	0.07	319.42	524.22	11088.28
1+620.00	0.00	12.68	0.01	318.33	524.22	11406.62
1+640.00	0.01	11.17	0.12	238.54	524.35	11645.16
1+660.00	0.01	10.59	0.25	217.63	524.60	11862.79
1+680.00	0.01	10.43	0.20	210.24	524.79	12073.03
1+700.00	0.02	10.74	0.28	211.76	525.07	12284.78
1+720.00	0.00	7.63	0.20	183.74	525.27	12468.53
1+740.00	0.21	4.99	2.12	126.23	527.40	12594.76
1+760.00	0.16	6.59	3.76	115.82	531.15	12710.58
1+780.00	0.00	11.87	1.63	184.66	532.79	12895.24
1+800.00	0.00	14.45	0.00	263.26	532.79	13158.50
1+820.00	0.00	18.97	0.00	334.20	532.79	13492.69
1+840.00	0.09	15.53	0.94	344.94	533.72	13837.63
1+860.00	0.00	13.53	0.94	290.53	534.66	14128.16
1+880.00	1.10	6.13	11.02	196.61	545.67	14324.77
1+900.00	2.05	4.91	31.49	110.47	577.16	14435.25

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+920.00	0.10	10.23	21.46	151.41	598.63	14586.66
1+940.00	0.00	12.26	0.99	224.90	599.62	14811.55
1+960.00	0.07	11.85	0.74	241.10	600.35	15052.65
1+980.00	0.01	11.52	0.82	233.67	601.17	15286.32
1+989.16	0.66	9.82	3.06	97.71	604.23	15384.03
2+000.00	5.62	8.59	33.34	100.66	637.57	15484.68
2+019.59	1.27	8.00	66.58	163.24	704.16	15647.92
2+020.00	1.25	7.96	0.51	3.25	704.67	15651.16
2+040.00	0.03	8.41	12.94	164.03	717.61	15815.19
2+050.03	0.04	7.73	0.34	81.21	717.95	15896.41
2+060.00	0.00	8.66	0.21	81.71	718.16	15978.12
2+080.00	0.00	10.67	0.00	193.28	718.16	16171.39
2+100.00	0.00	9.82	0.00	204.86	718.16	16376.26
2+120.00	0.00	7.86	0.00	176.78	718.16	16553.04
2+140.00	0.00	5.75	0.00	136.05	718.16	16689.09
2+160.00	0.03	3.80	0.29	95.46	718.46	16784.55
2+180.00	0.48	1.66	5.07	54.62	723.53	16839.17
2+200.00	0.79	0.58	12.67	22.46	736.20	16861.63
2+206.41	0.56	0.81	4.32	4.47	740.52	16866.10
2+220.00	0.31	2.33	5.97	21.27	746.49	16887.37

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
2+240.00	0.06	4.73	3.75	70.53	750.24	16957.90
2+260.00	0.03	5.57	0.88	102.98	751.12	17060.88
2+262.98	0.02	6.05	0.06	17.30	751.18	17078.18
2+280.00	0.03	7.02	0.45	111.02	751.63	17189.20
2+300.00	0.04	5.24	0.73	122.43	752.36	17311.62
2+319.55	0.00	5.95	0.37	109.56	752.73	17421.18
2+320.00	0.00	5.90	0.00	2.67	752.73	17423.85
2+340.00	0.03	3.42	0.33	93.18	753.06	17517.03
2+360.00	0.62	2.34	6.51	57.60	759.57	17574.63