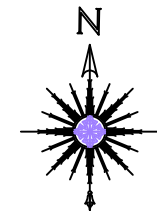


Palestine Polytechnic University
Civil & Infrastructure Engineering



Sheet Name:

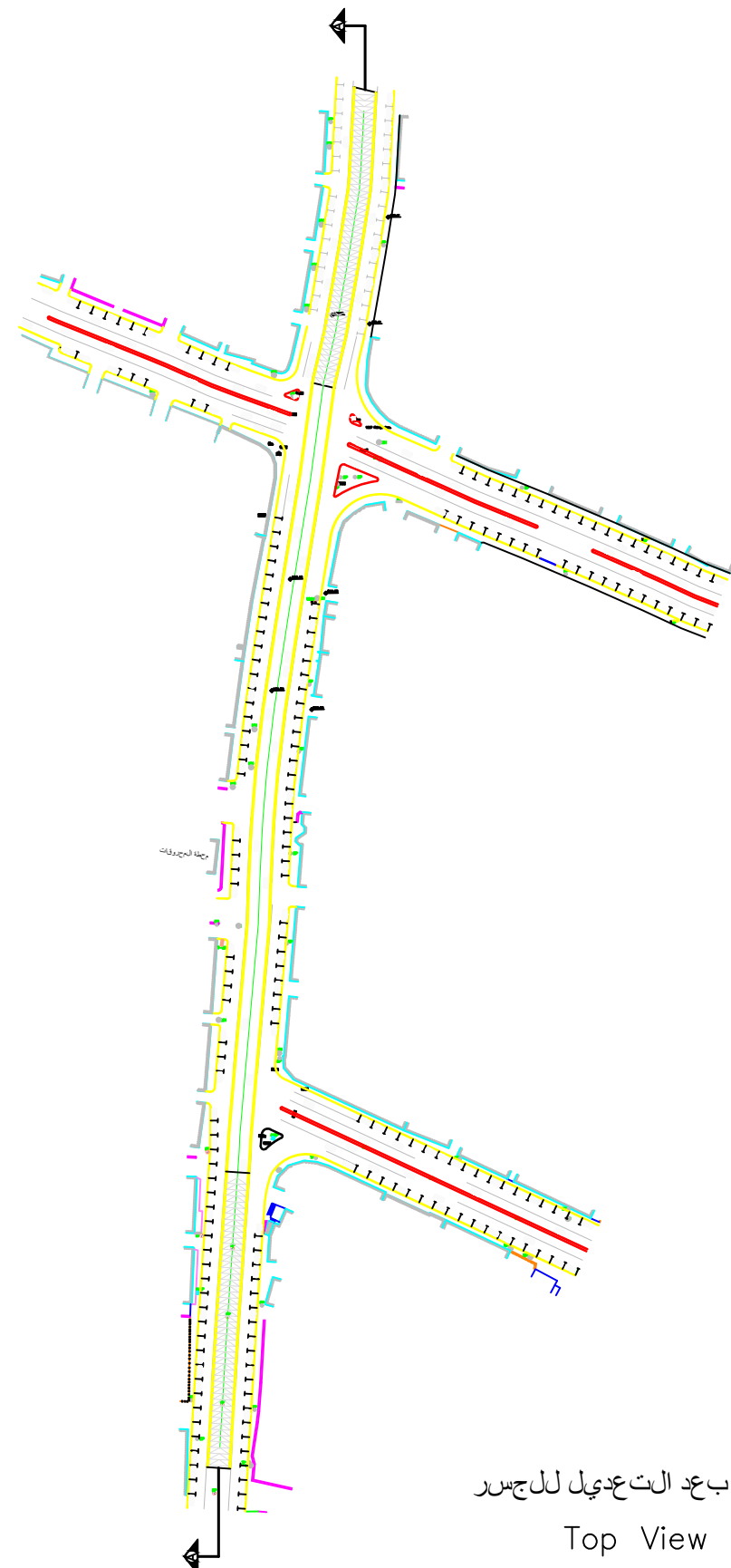
Bridge Details

Supervisors:

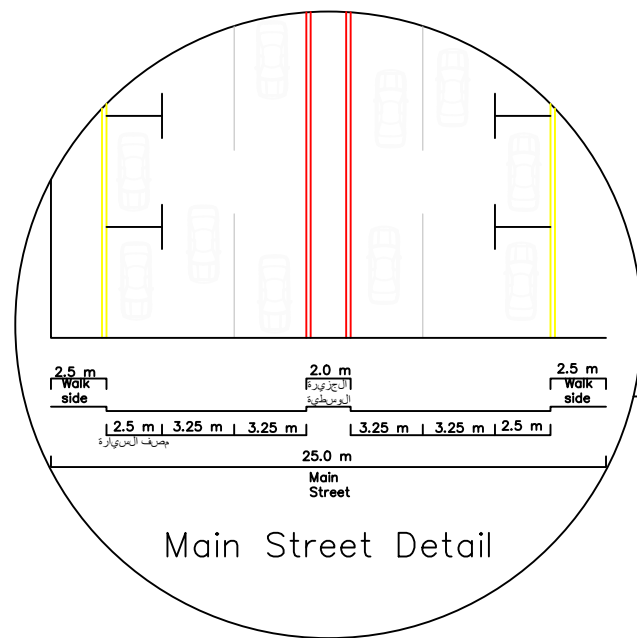
Musab Shahin

Done By:
alaa najajarah
sereen khallaf
layan shroof

Date: 2 / 2 / 2021



الشارع بعد الت تعديل للجرس
Top View



Main Street Detail

Detail 3



Palestine Polytechnic University

College of Engineering and Technology

civil & Infrastructure Engineering

Graduation Project:

**Study Of AL-SALAM Interstion
Between The Present And Future**

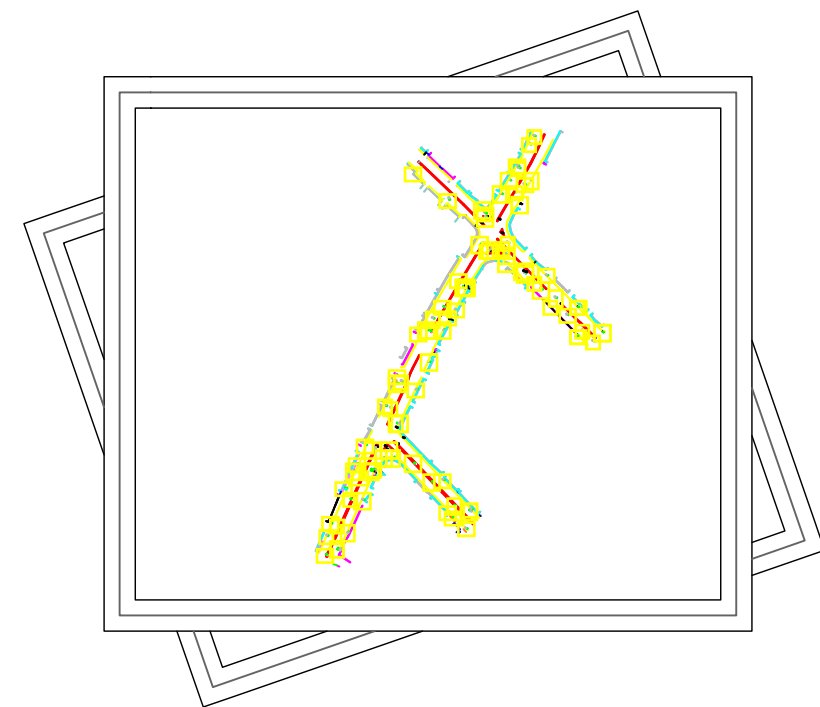
Designed by:

*Alaa Najajrah
Sereen Khallaf
Layan Shroof*

Supervisor:

Eng. Musab Shahin.

2020 – 2021



PROJECT INDEX

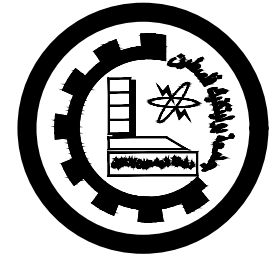
<i>Architectural</i>	
<i>Page #</i>	<i>Title</i>
A01	Street Details 1
A02	Srteet Details 2
A03	Bridge Details
A04	SECTION A – A
A05	Tunnel Details
A06	SECTION B – B

<i>Structural</i>	
<i>Sheet No.</i>	<i>Title</i>
S01	Retaining Wall Details
S02	Solid Slab Details
S03	Footing Details

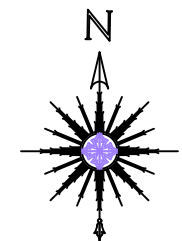
No.Sheet: 1	ABBREVIATIONS AND SYMBOLS
No.Sheet: 2	Plan & Profile
No.Sheet: 3	Plan & Profile
No.Sheet: 4	Plan & Profile
No.Sheet: 5	TYPICAL CROSS SECTIONS
No.Sheet: 6	TYPICAL CROSS SECTIONS
No.Sheet: 7	TYPICAL CROSS SECTIONS
No.Sheet: 8	Road Marking Details
No.Sheet: 9	Road Marking Details
No.Sheet: 10	Road Marking Details

NOTES :

1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
2. ALL OTHER DIMENTIONS ARE IN CM UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINAN GRID SYSTEM.
4. DESIGN SPEED IS 50 Km/h



Palestine Polytechnic University
Civil & Infrastructure Engineering



PROJECT TITLE :

Study Of AL-SALAM Intersction
Between The Present And Future

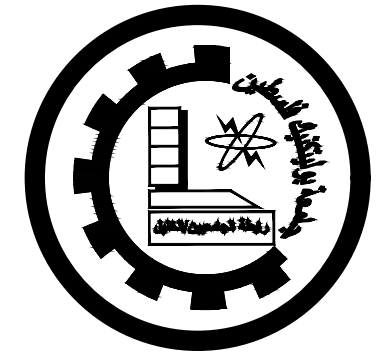
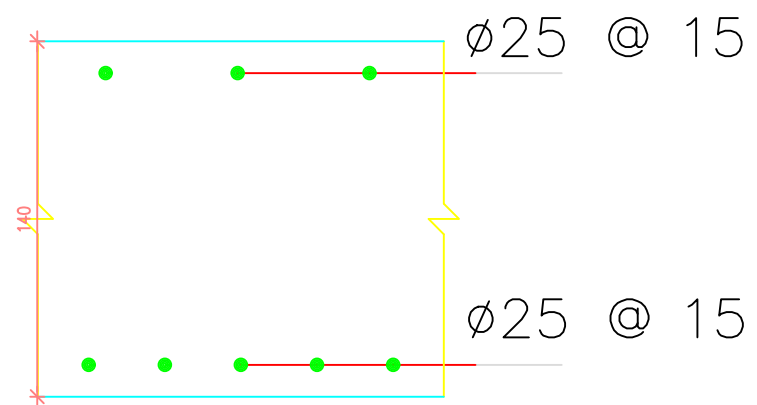
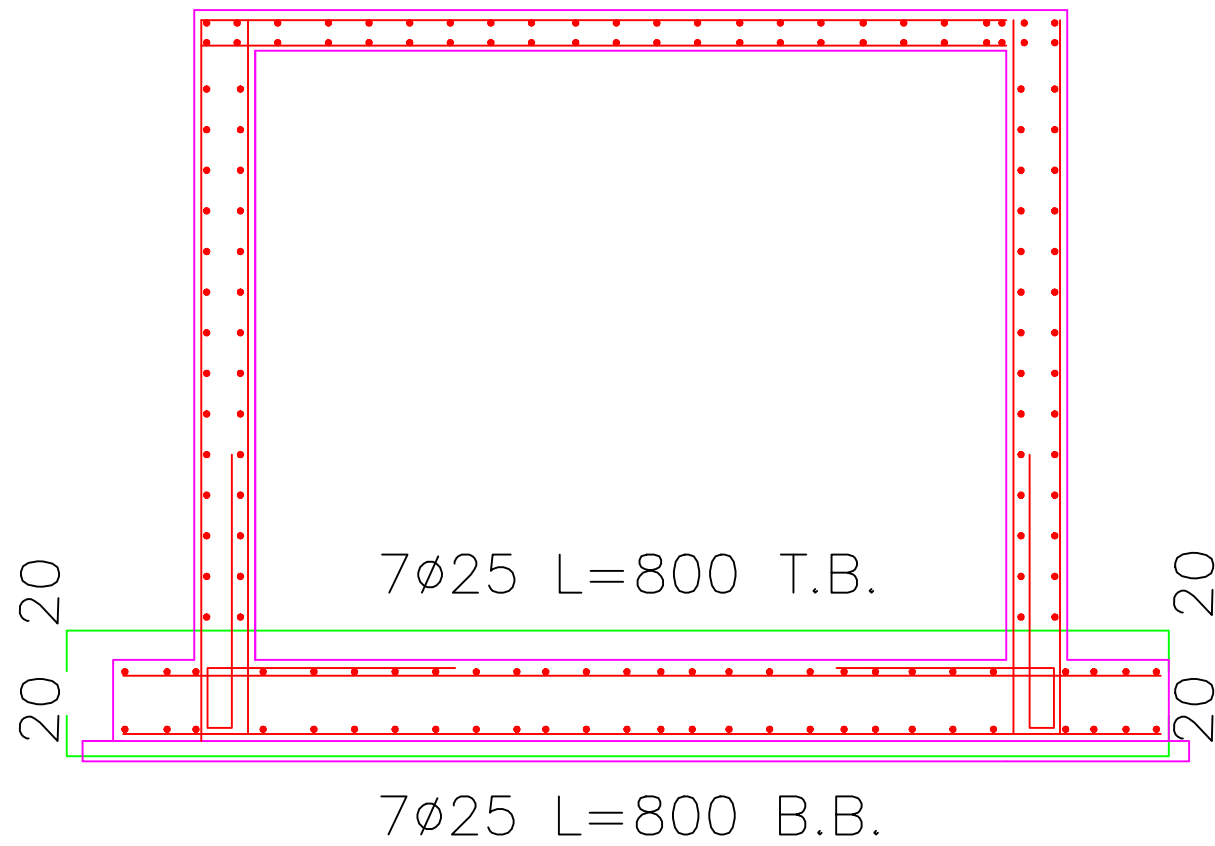
PROJECT NAME :

AL-SALAM ROAD

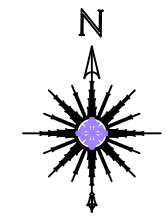
Drawing Title:

Drawing Contains

Supervisor:



Palestine Polytechnic University
Civil & Infrastructure Engineering



Sheet Name:

Footing Details

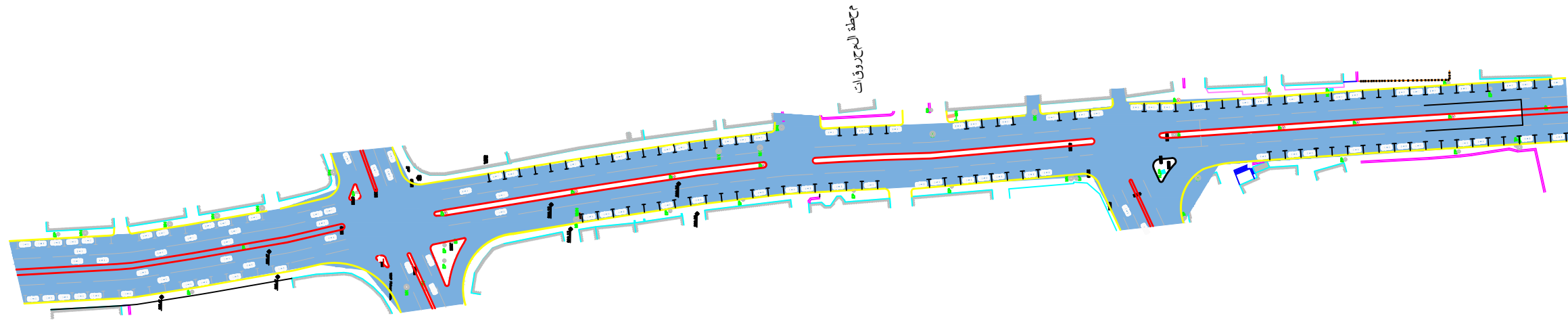
Supervisors:

Musab Shahin

Done By:

**alaa najajarah
sereen khallaf
layan shroof**

Date 2 / 6 / 2021



- NOTES :
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN CM UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. DESIGN SPEED IS 50 Km/h

LEGEND FOR PROFILE:

EXIST. GROUND _____

PROPOSED PGL - - - - -

LEGEND AND ABBREVIATIONS

CENTER LINE _____

EXISTING PAVMENT ROAD - - - - -

EXISTING BUILDING

EXISTING CONCRETE WALL

EXISTING STONE WALL

PROPOSED STONE BLOCKS

PROPOSED CONCRETE WALL

PROPOSED STONE WALL

INTERLOCK TILS

PROPOSED CURVE STONE

PROPOSED HAND RAILS

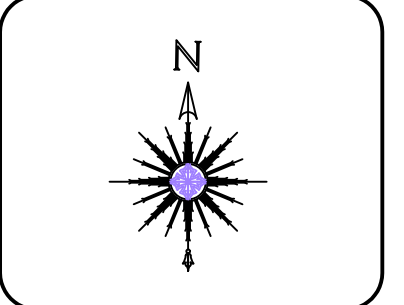
PROPOSED CONCRETE GRAVITY WALL

ELECTRIC POLE EP

TELEPHONE POLE TP

HIGH VOLTAGE POLE HEP

WATER MANHOLE



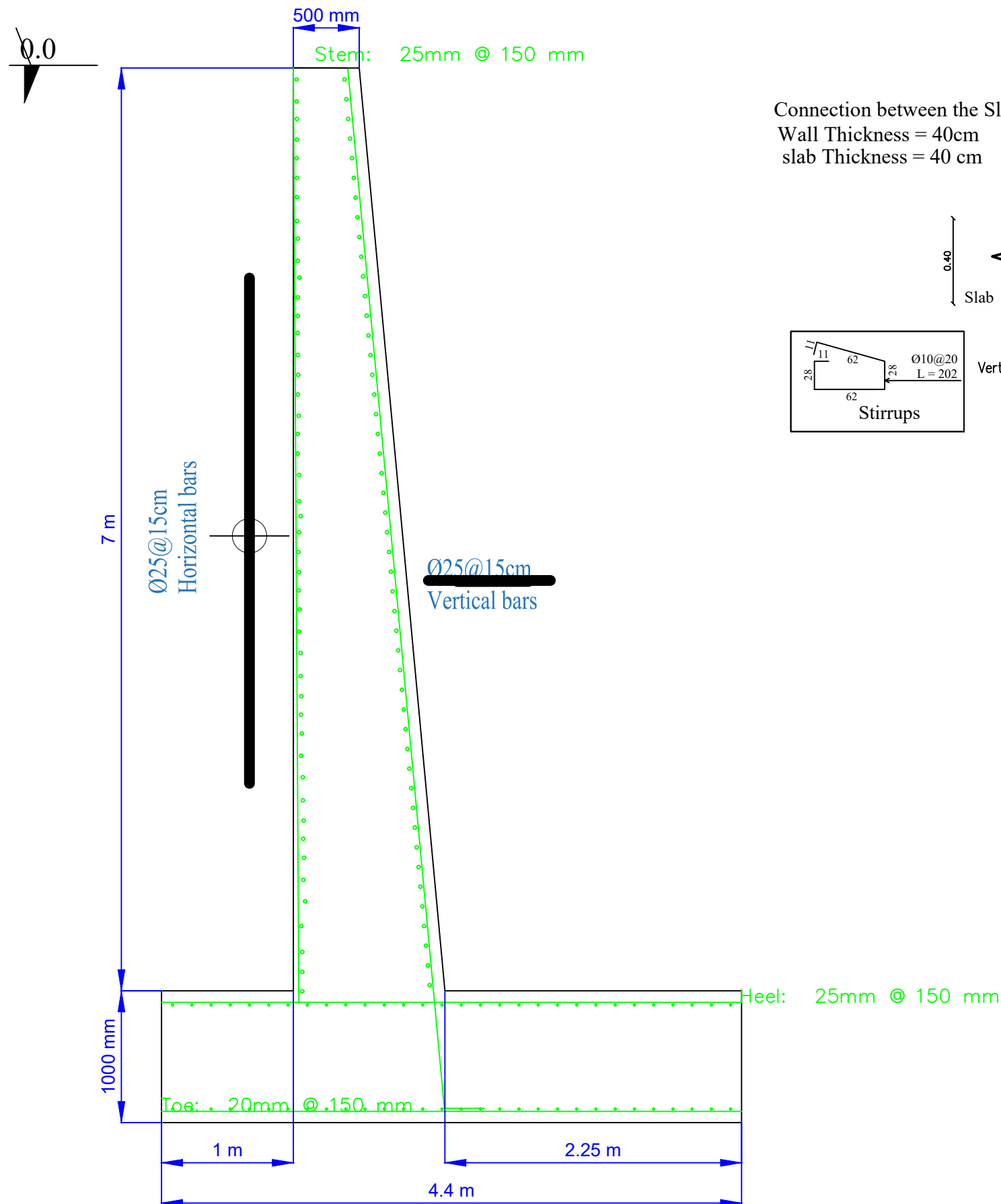
Project Name :
AL-SALAM ROAD

Drawing Title:
 From St. 0+000 to St. 0+487.56

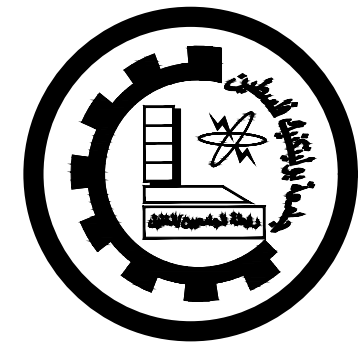
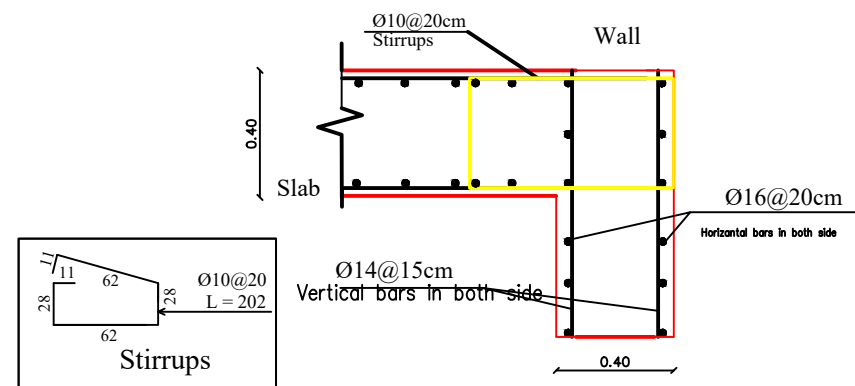
Designed By: Plan & Profile
 Sereen khallaf
 Alaa najajrah
 Layan shroof

DATE :
 2/6/2021

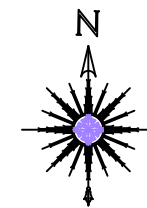
Supervisor:



Connection between the Slab and the Wall
 Wall Thickness = 40cm
 slab Thickness = 40 cm



Palestine Polytechnic University
 Civil & Infrastructure Engineering



Sheet Name:

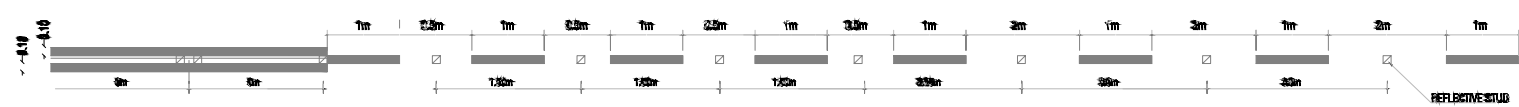
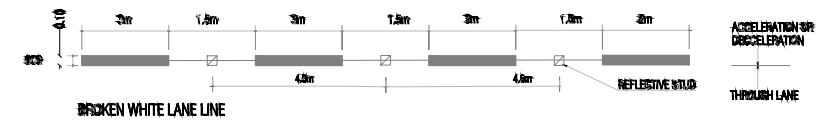
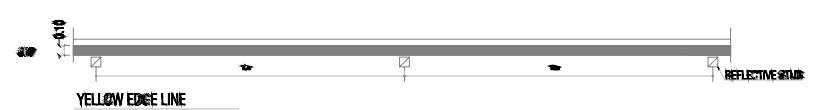
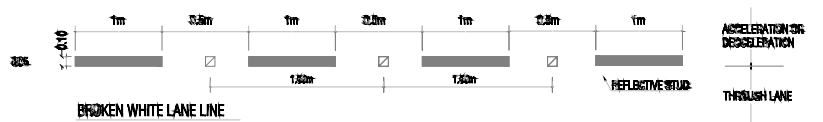
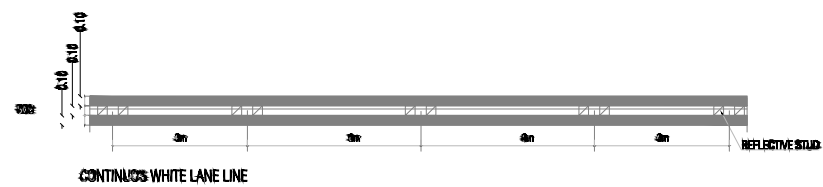
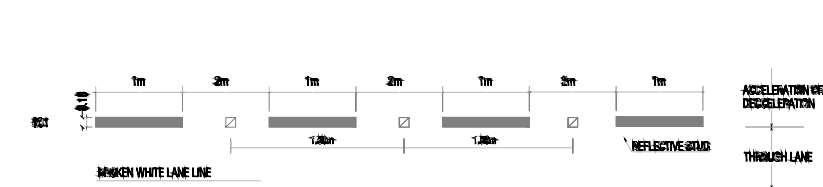
Retaining Wall Details

Supervisors:

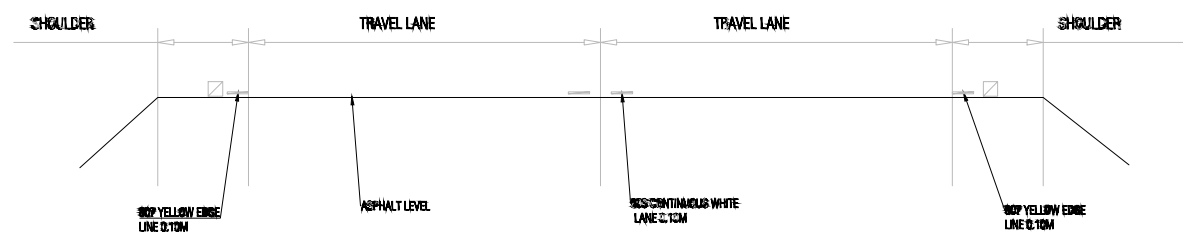
Musab Shahin

Done By:
alaa najjarah
sreen khallaf
layan shroof

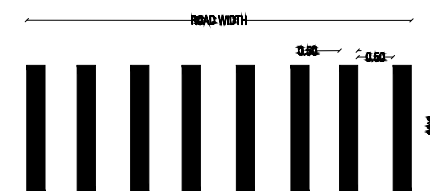
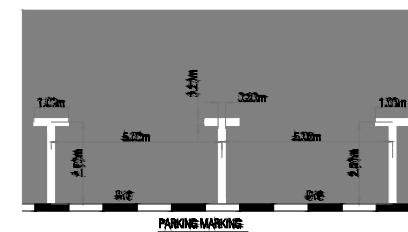
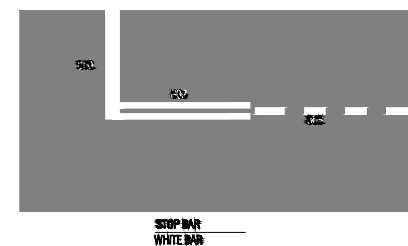
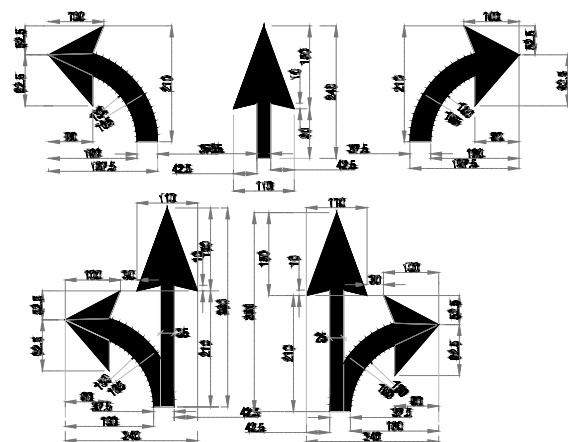
Date **2/6/2021**



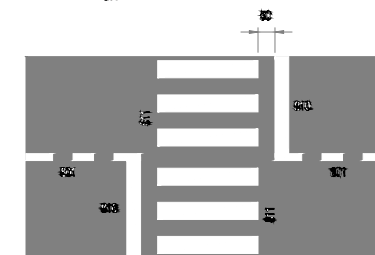
* NO PAINT AT CURB STONES



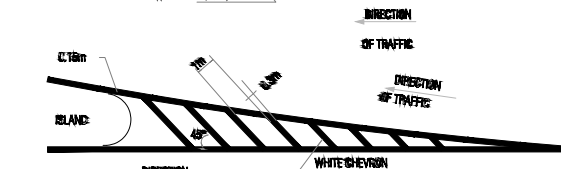
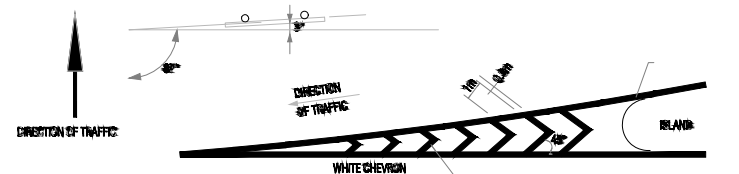
SECTION VIEW



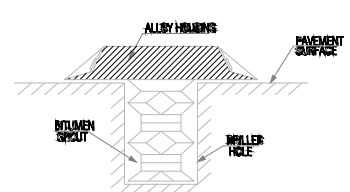
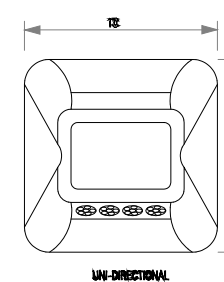
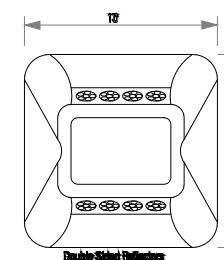
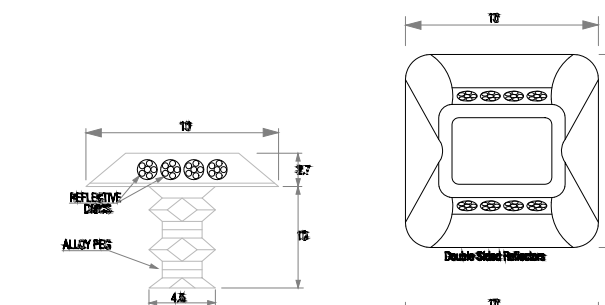
DETAIL OF PEDESTRIAN CROSSWALK



CROSSWALK MARKING AND BLOCKS

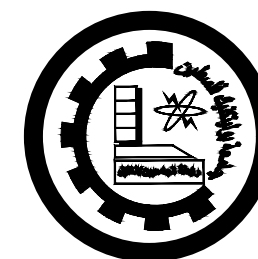


CHEVRON MARKINGS DETAIL

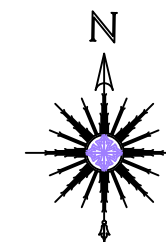


NOTES :

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2. ALL OTHER DIMENSIONS ARE IN CM UNLESS OTHERWISE NOTED
3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
4. DESIGN SPEED IS 50 Km/h



Palestine Polytechnic University
Civil & Infrastructure Engineering



PROJECT TITLE :

Study Of AL-SALAM Intersection
Between The Present And Future

PROJECT NAME :

AL-SALAM ROAD

Drawing Title:

Road Marking Details

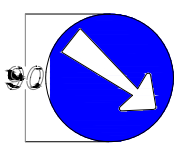
Supervisor:



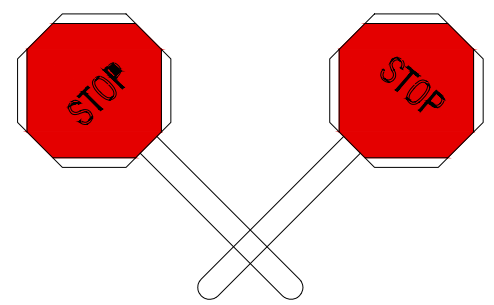
PROVIDE AT 500m, 200m AND 100m LEFT AND RIGHT



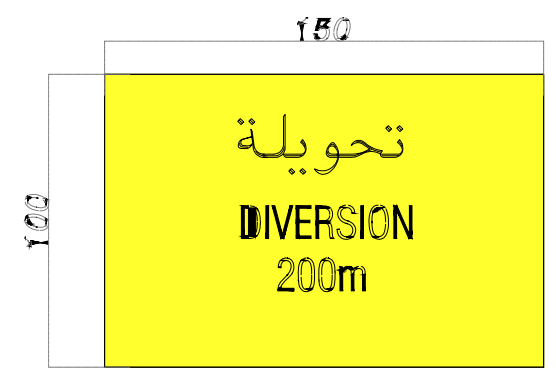
PROVIDE AT 500m, 200m AND 100m LEFT AND RIGHT



DIRECTION SIGNS



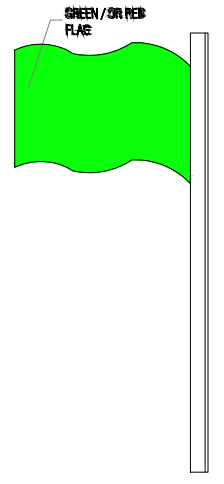
STANDARD SIGN PADDLE FOR USE BY FLAGMAN



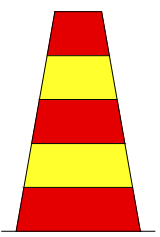
DIVERSION SIGN PROVIDED AT 500m AND 100m LEFT AND RIGHT



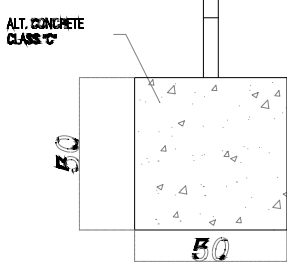
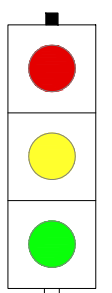
WORK AHEAD SIGN PROVIDED AT 500m AND 100m LEFT AND RIGHT



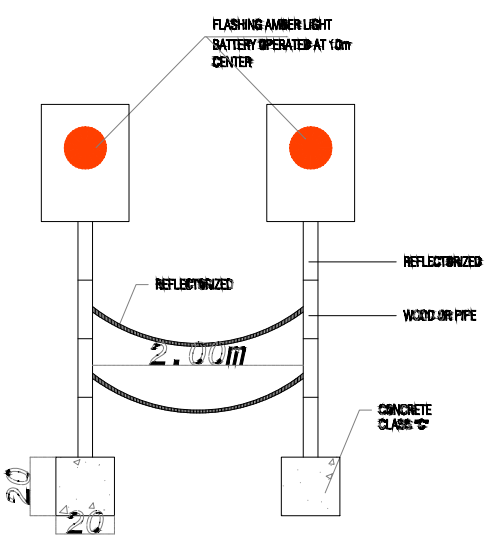
FLAG ALSO A FLAGMAN AT EACH SIDE OF DIVERSION OR WHERE EVER NEEDED



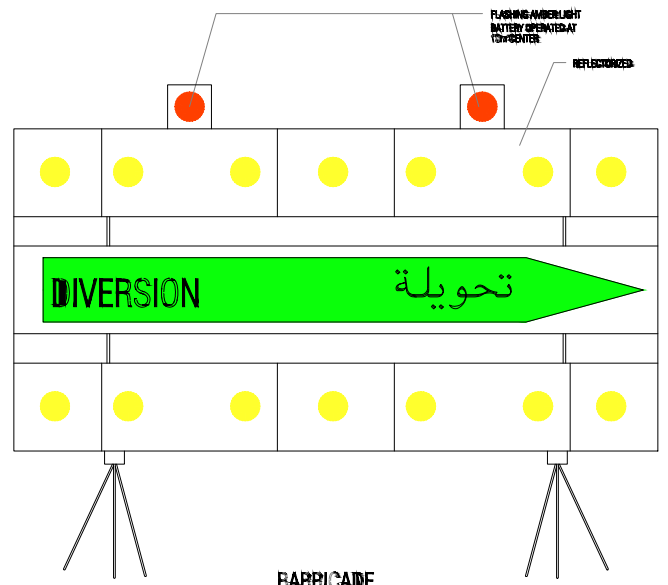
TRAFFIC CONE TO BE PROVIDED WHEREVER NECESSARY



TEMPORARY TRAFFIC LIGHTS AT START AND EVERY DIVERSION OR TEMPORARY WORK BATTERY OPERATED OR BY GENERATOR

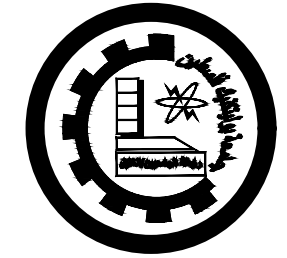


TEMPORARY TRAFFIC LIGHTS TO BE PLACED ALL THE LENGTH OF ANY DIVERSION OR WHERE EVER WORK ADJACENT TO EXISTING ROAD OCCUR

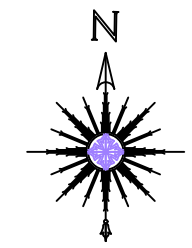


BARRICADE AT DIVERSION AT EACH SIDE

- NOTES :
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 4. DESIGN SPEED IS 50 Km/h



Palestine Polytechnic University
Civil & Infrastructure Engineering



PROJECT TITLE :
Study Of AL-SALAM Intersction
Between The Present And Future

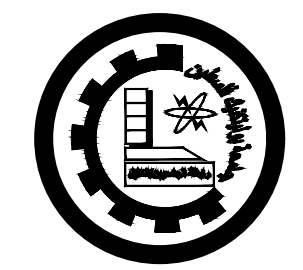
PROJECT NAME :
AL-SALAM ROAD

Drawing Title:
Road Marking Details

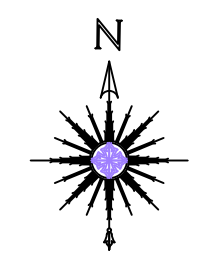
Supervisor:

				 2.40m 0.4m (MOUNTING HEIGHT TO BE < 1.50m.) RS-116 CHEVRON BOARD DETAIL USE DOUBLE POST 3" FOR INSTALLATION		 1.20m 0.4m (MOUNTING HEIGHT TO BE < 1.50m.) RS-108 CHEVRON BOARD DETAIL USE DOUBLE POST 3" FOR INSTALLATION		 RS-112 HAZARD SIGN 0.3m 0.6m		

- NOTES :
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Palestine Polytechnic University
Civil & Infrastructure Engineering

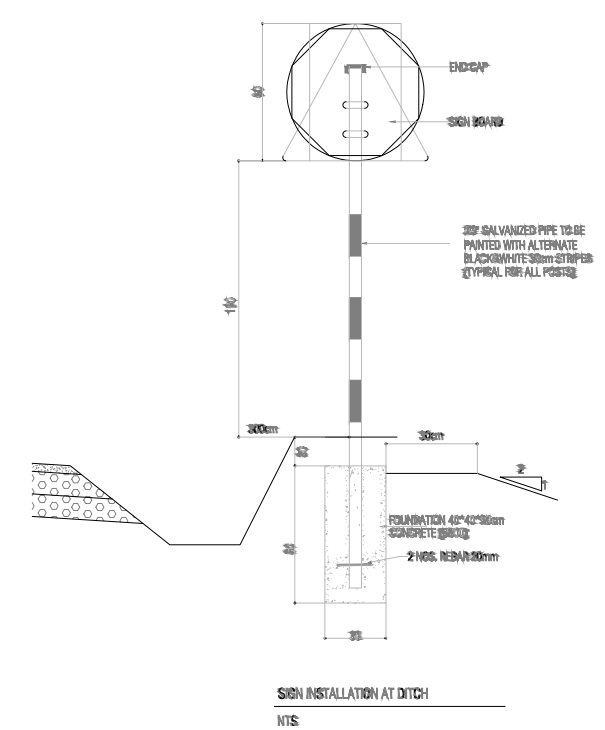
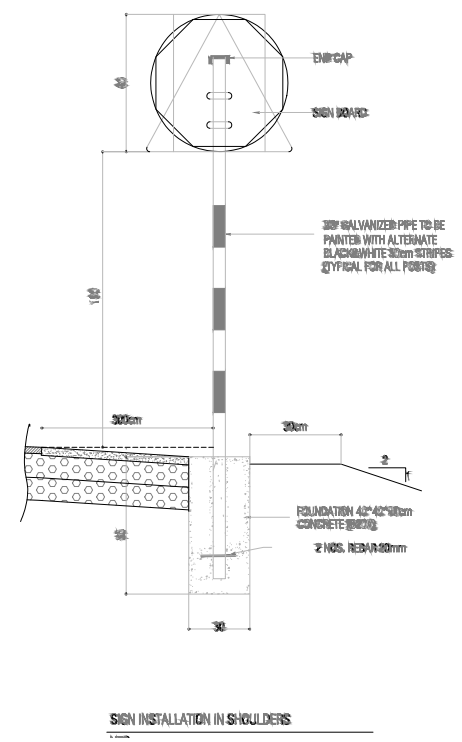


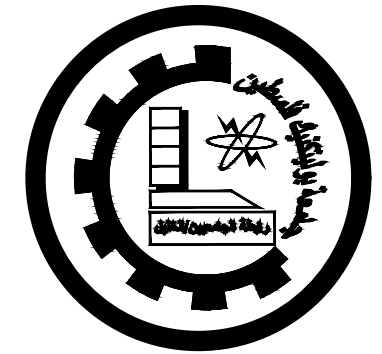
PROJECT TITLE :
Study Of AL-SALAM Intersection
Between The Present And Future

PROJECT NAME :
AL-SALAM ROAD

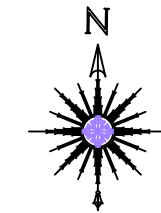
Drawing Title:
Road Marking Details

Supervisor: _____





Palestine Polytechnic University
Civil & Infrastructure Engineering



Sheet Name:

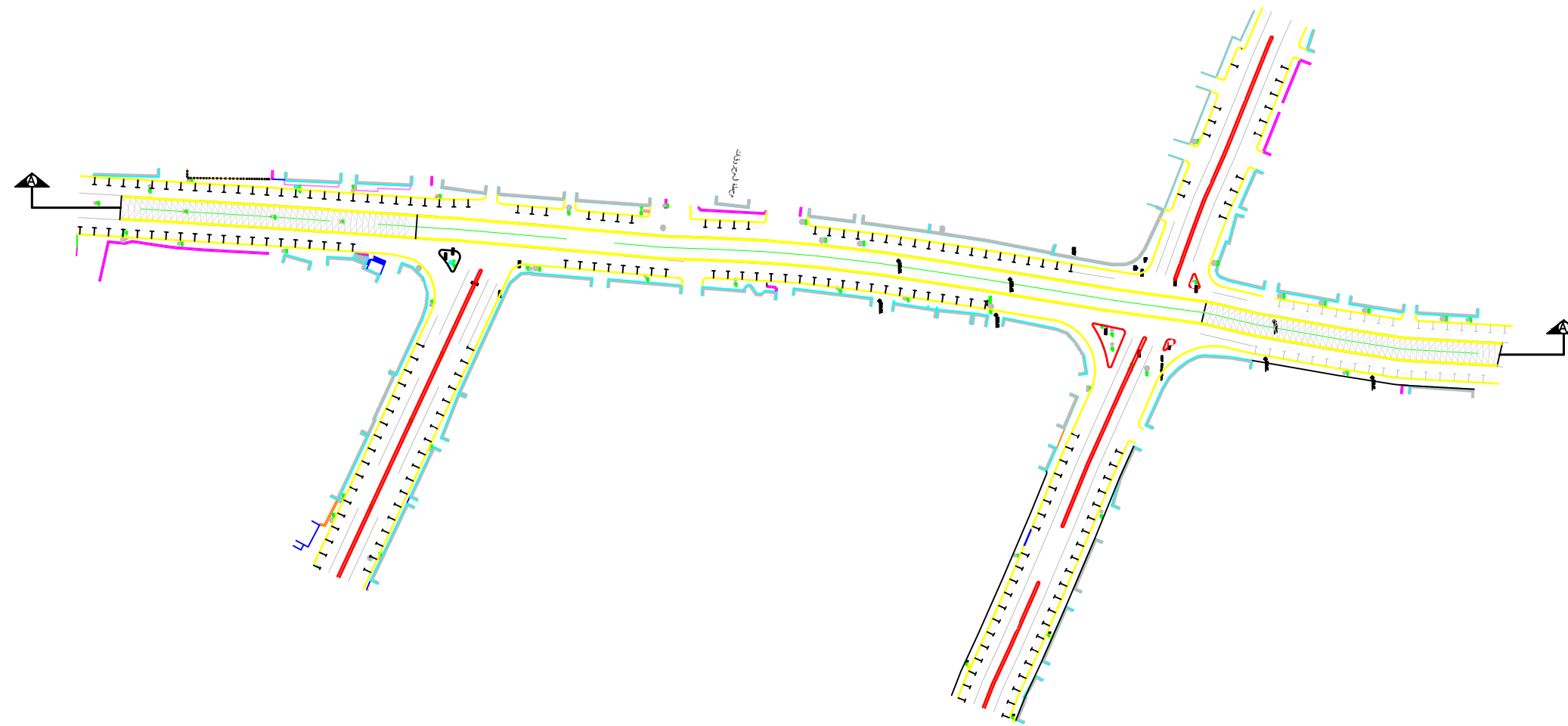
SECTION A - A

Supervisors:

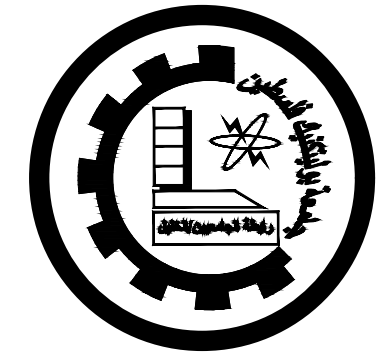
Musab Shahin

Done By:
alaa najjarah
sereen khallaf
layan shroof

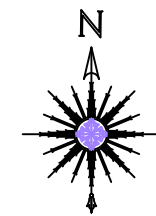
Date: 2/2/2021



Section A-A



Palestine Polytechnic University
Civil & Infrastructure Engineering



Sheet Name:

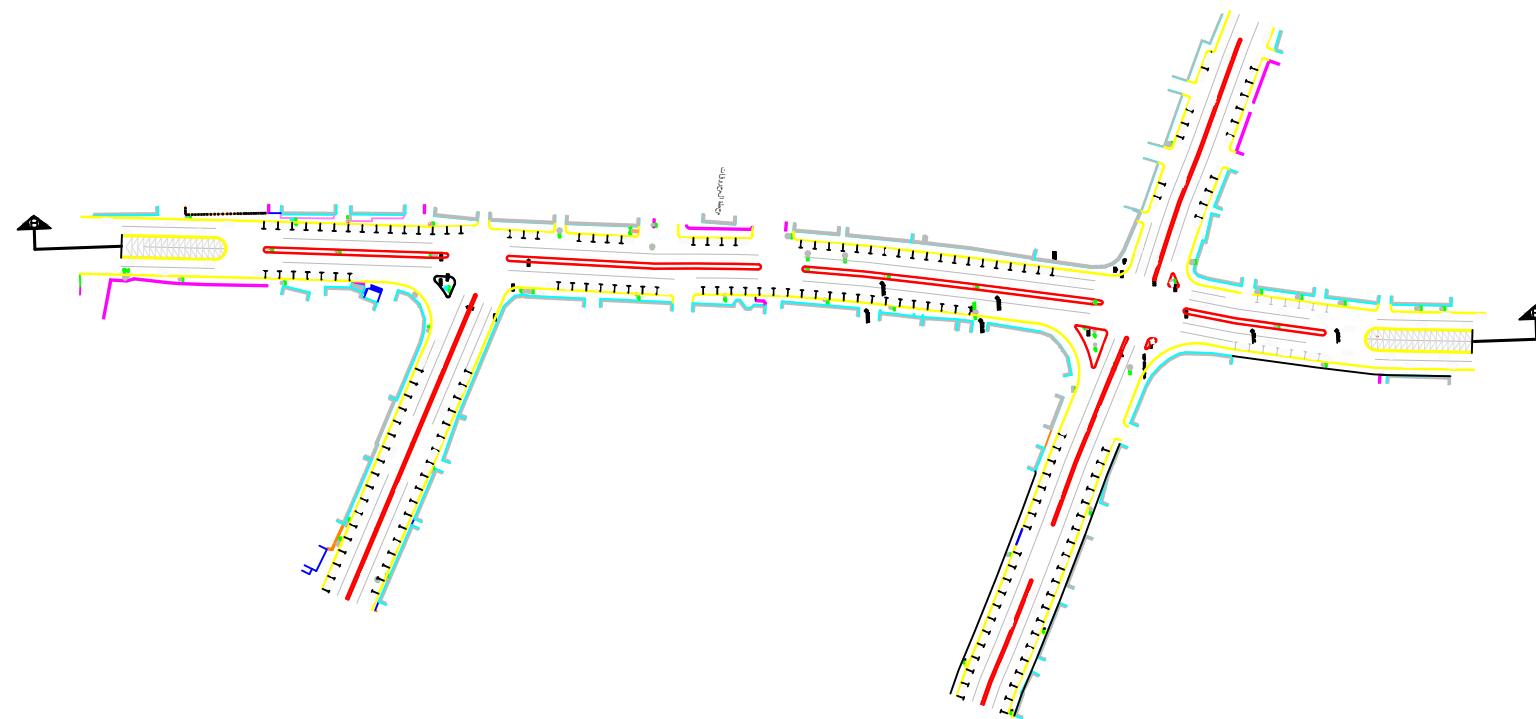
SECTION B – B

Supervisors:

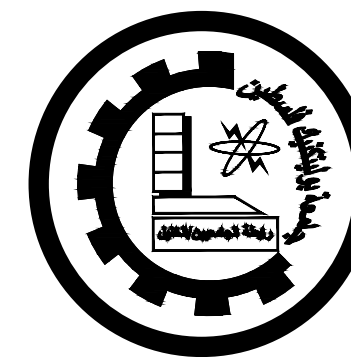
Musab Shahin

Done By:

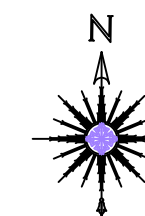
alaa najajarah
sereen khallaf
layan shroof



Section B–B



Palestine Polytechnic University
Civil & Infrastructure Engineering



Sheet Name:

Solid Slab Details

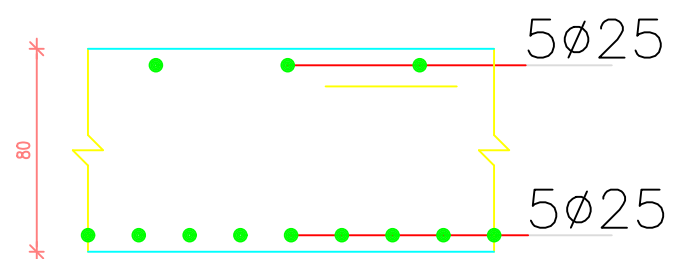
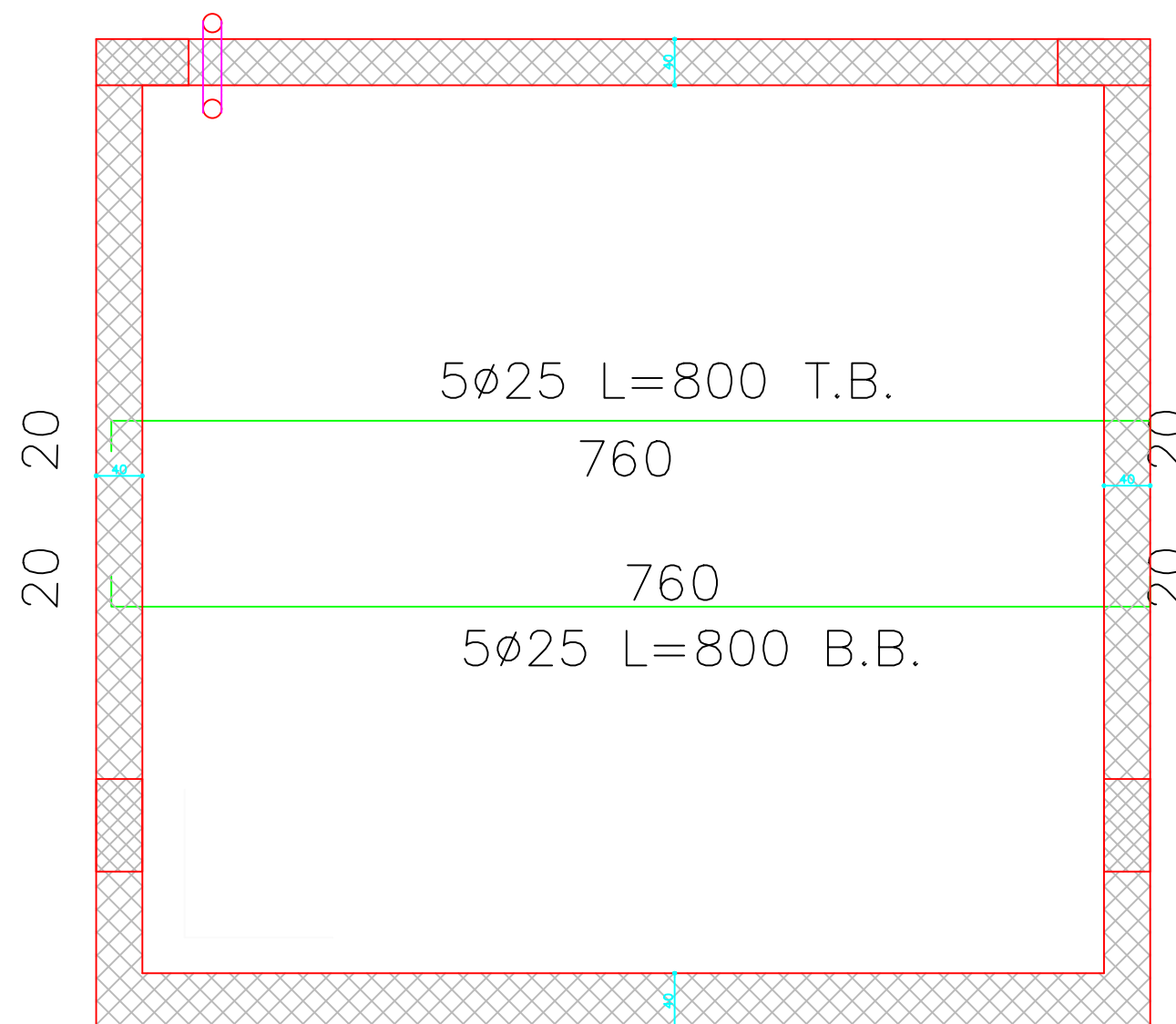
Supervisors:

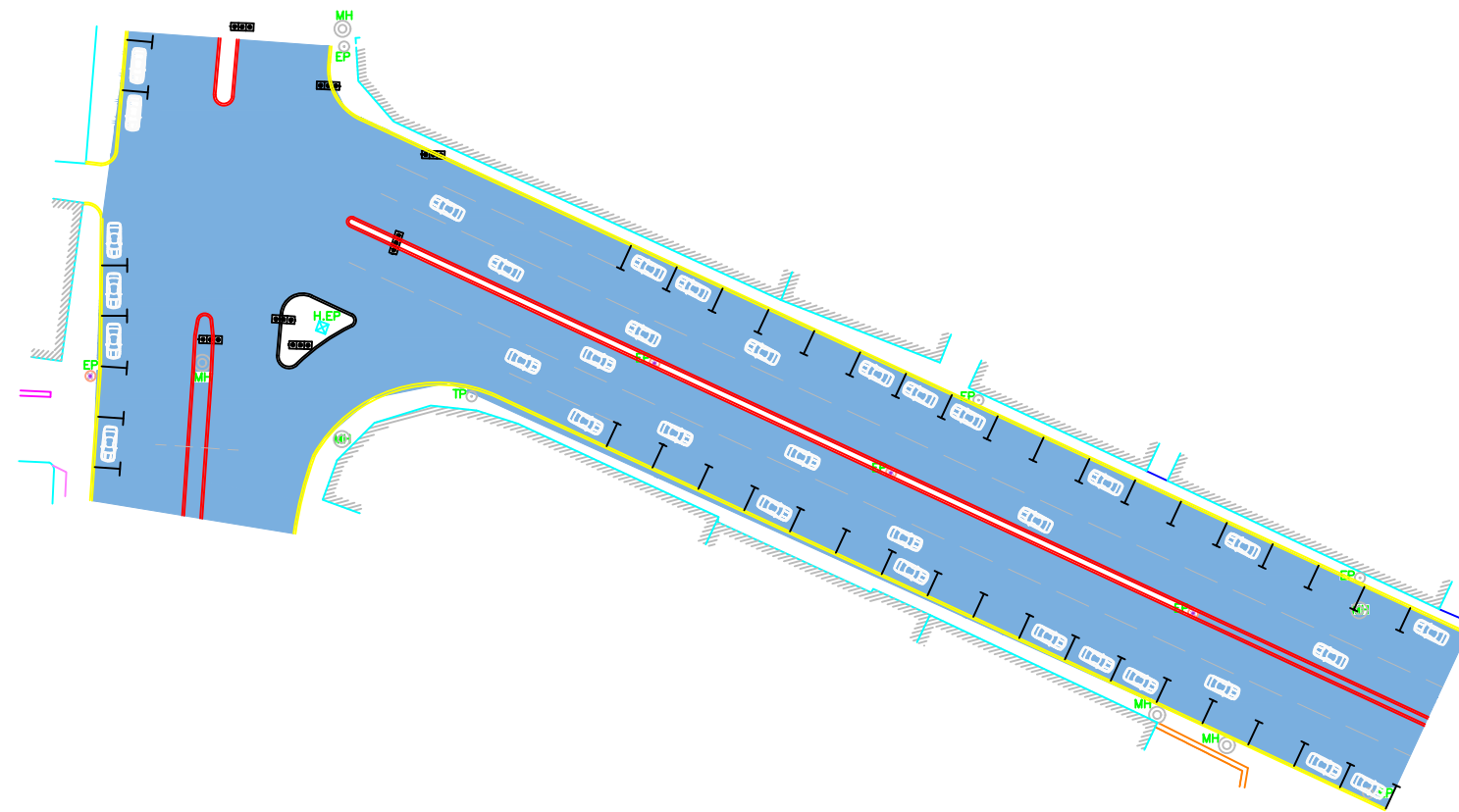
Musab Shahin

Done By:

**alaa najajarah
sereen khallaf
layan shroof**

Date: 2/2/2021










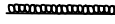









NOTES :

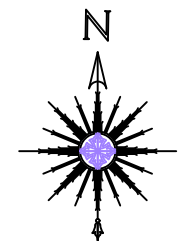
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
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LEGEND FOR PROFILE:

EXIST. GROUND _____
 PROPOSED PGL - - - - -

LEGEND AND ABBREVIATIONS

- CENTER LINE _____
- EXISTING PAVMENT ROAD - - - - -
- EXISTING BUILDING 
- EXISTING CONCRETE WALL 
- EXISTING STONE WALL 
- PROPOSED STONE BLOCKS 
- PROPOSED CONCRETE WALL 
- PROPOSED STONE WALL 
- INTERLOCK TILS 
- PROPOSED CURVE STONE 
- PROPOSED HAND RAILS 
- PROPOSED CONCRETE GRAVITY WALL 
- ELECTRIC POLE EP 
- TELEPHONE POLE TP 
- HIGH VOLTAGE POLE HEP 
- WATER MANHOLE  



Project Name : Plan & Profile
 AL-SALAM ROAD

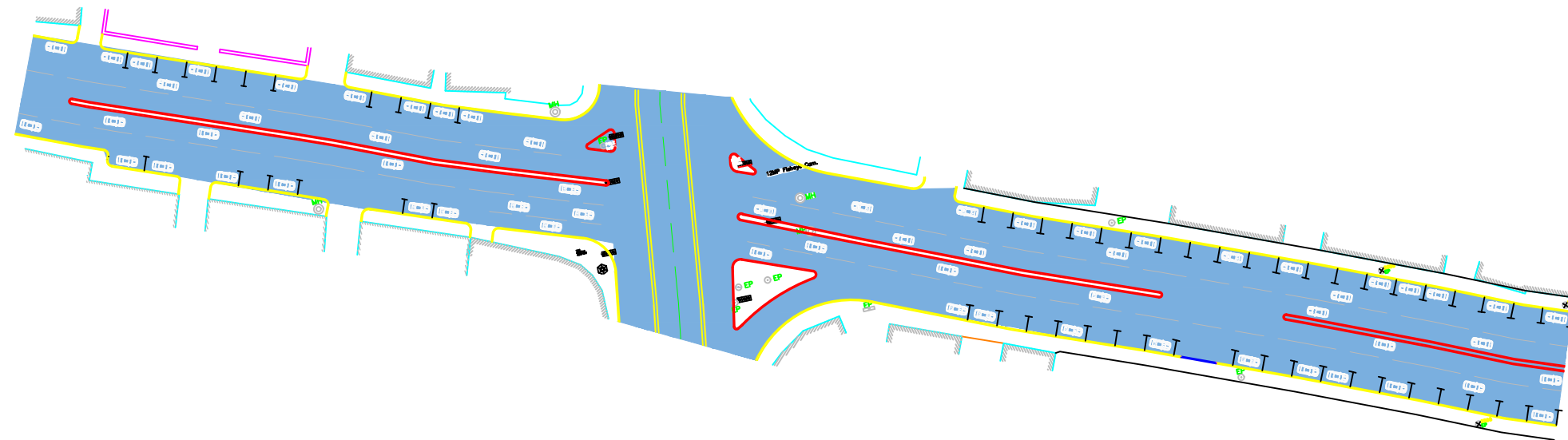
Drawing Title: Plan & Profile

From St. 0+020 to St. 0+120

Designed By:
 Sereen khallaf
 Alaa najjarah
 Layan shroof

DATE :
 2/6/2021

Supervisor:



- NOTES :
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LEGEND FOR PROFILE:

EXIST. GROUND _____

PROPOSED PGL - - - - -

LEGEND AND ABBREVIATIONS

CENTER LINE _____

EXISTING PAVMENT ROAD - - - - -

EXISTING BUILDING

EXISTING CONCRETE WALL

EXISTING STONE WALL

PROPOSED STONE BLOCKS

PROPOSED CONCRETE WALL

PROPOSED STONE WALL

INTERLOCK TILS

PROPOSED CURVE STONE

PROPOSED HAND RAILS

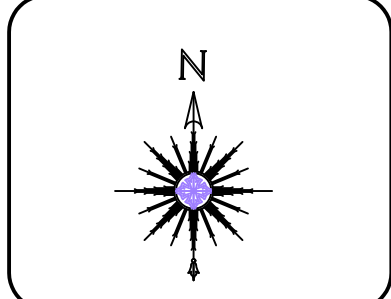
PROPOSED CONCRETE GRAVITY WALL

ELECTRIC POLE EP

TELEPHONE POLE TP

HIGH VOLTAGE POLE HEP

WATER MANHOLE



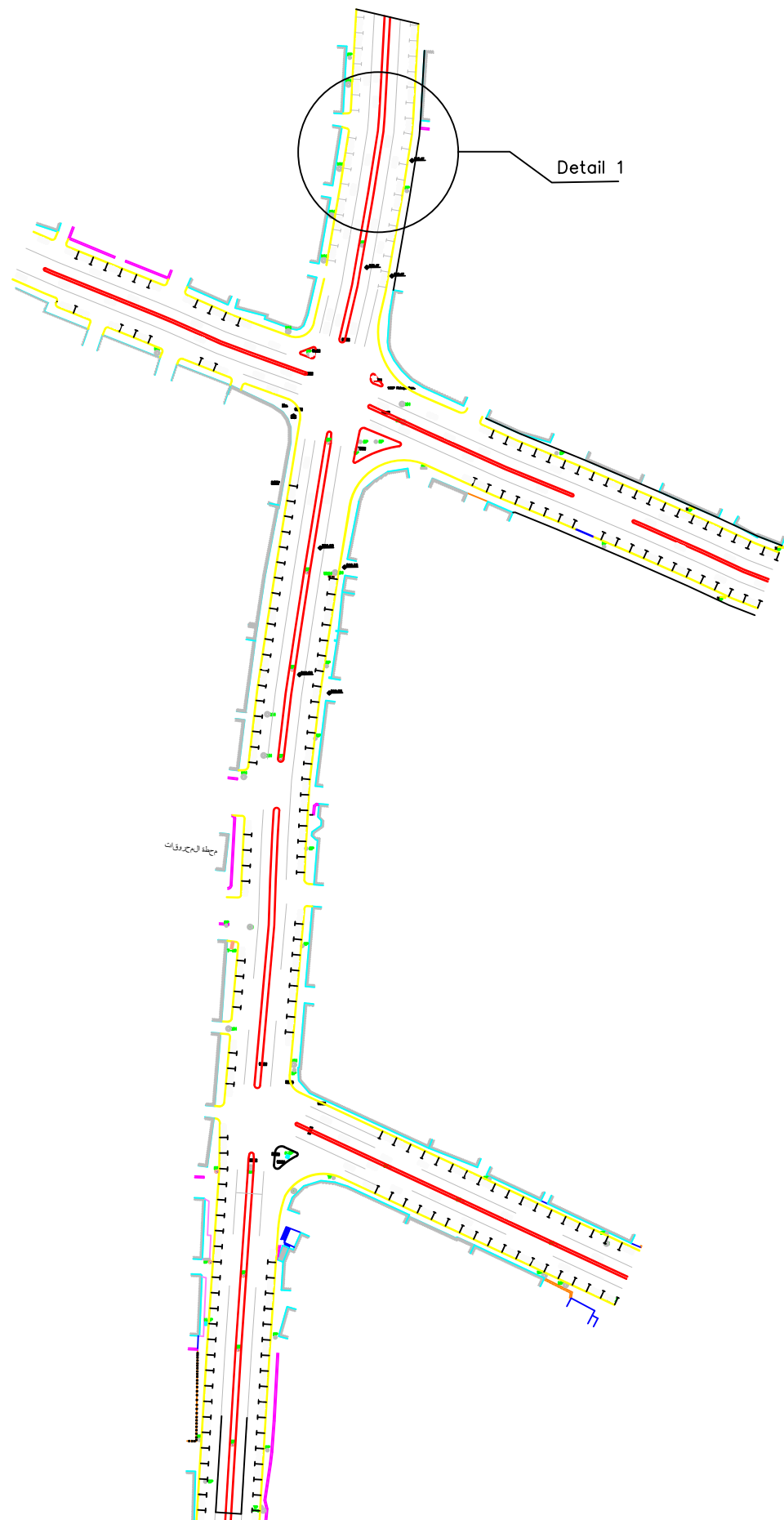
Project Name : Plan & Profile
AL-SALAM ROAD

Drawing Title: Plan & Profile
From St. 0+020 to St. 0+240

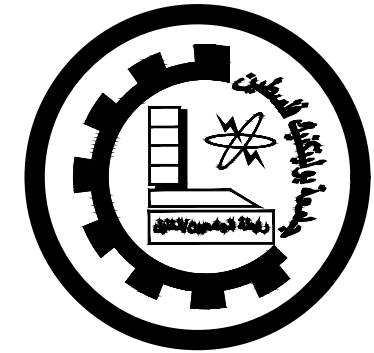
Designed By:
Sereen khallaf
Alaa najjarah
Layan shroof

DATE :
2/6/2021

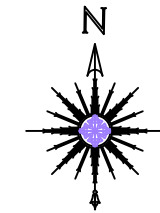
Supervisor: | Sheet No.:



Detail 1



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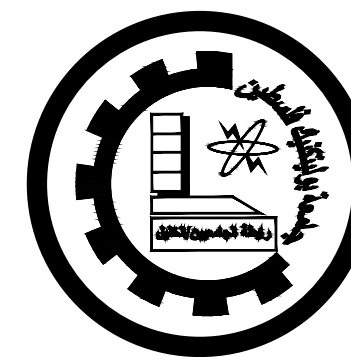
Street Details 1

Supervisors:

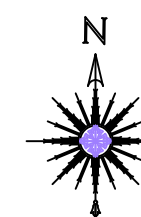
Musab Shahin

Done By:

alaa najajarah
sereen khallaf
layan shroof



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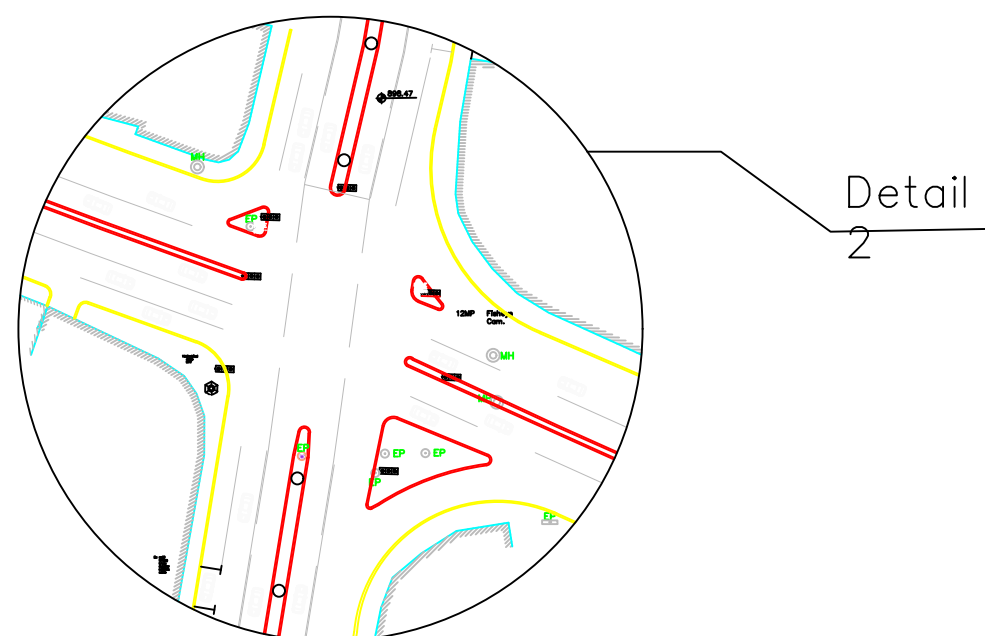
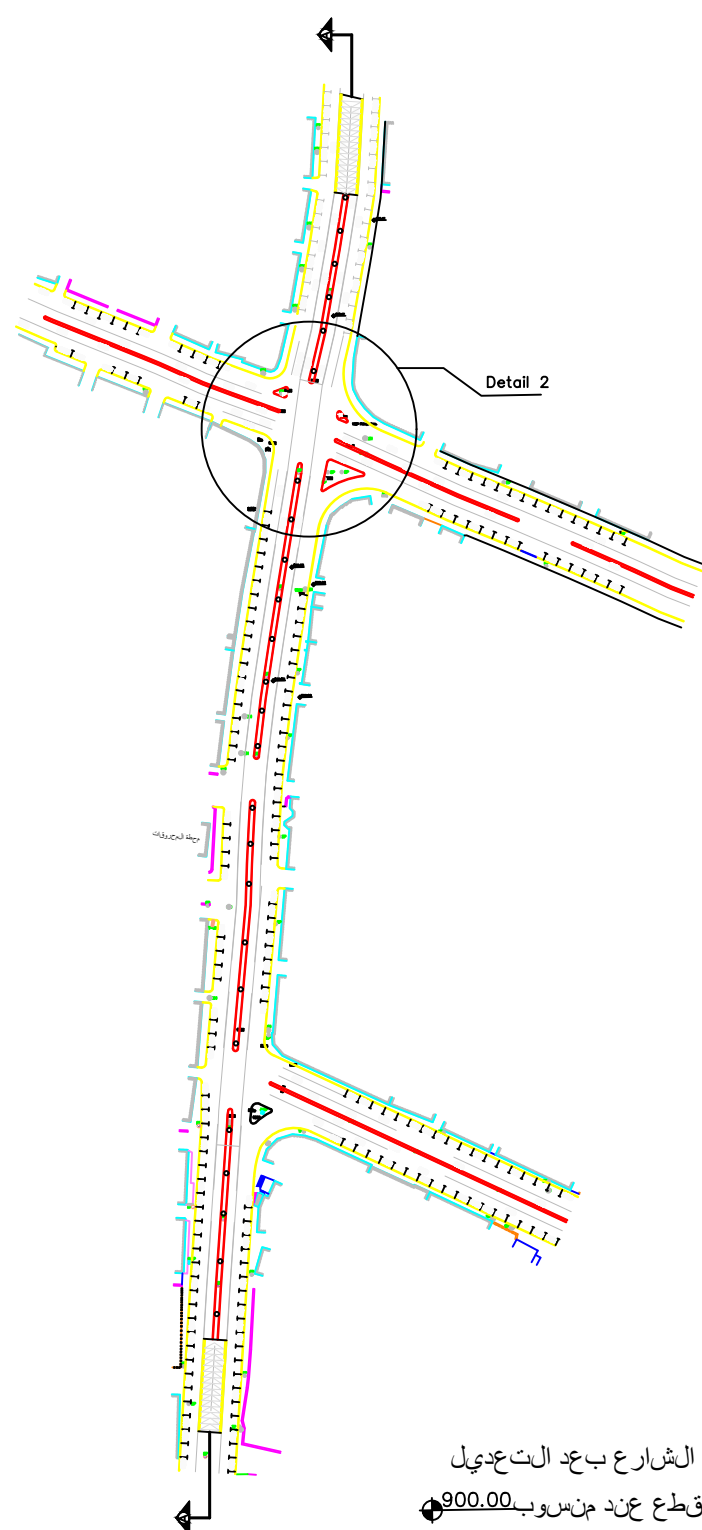
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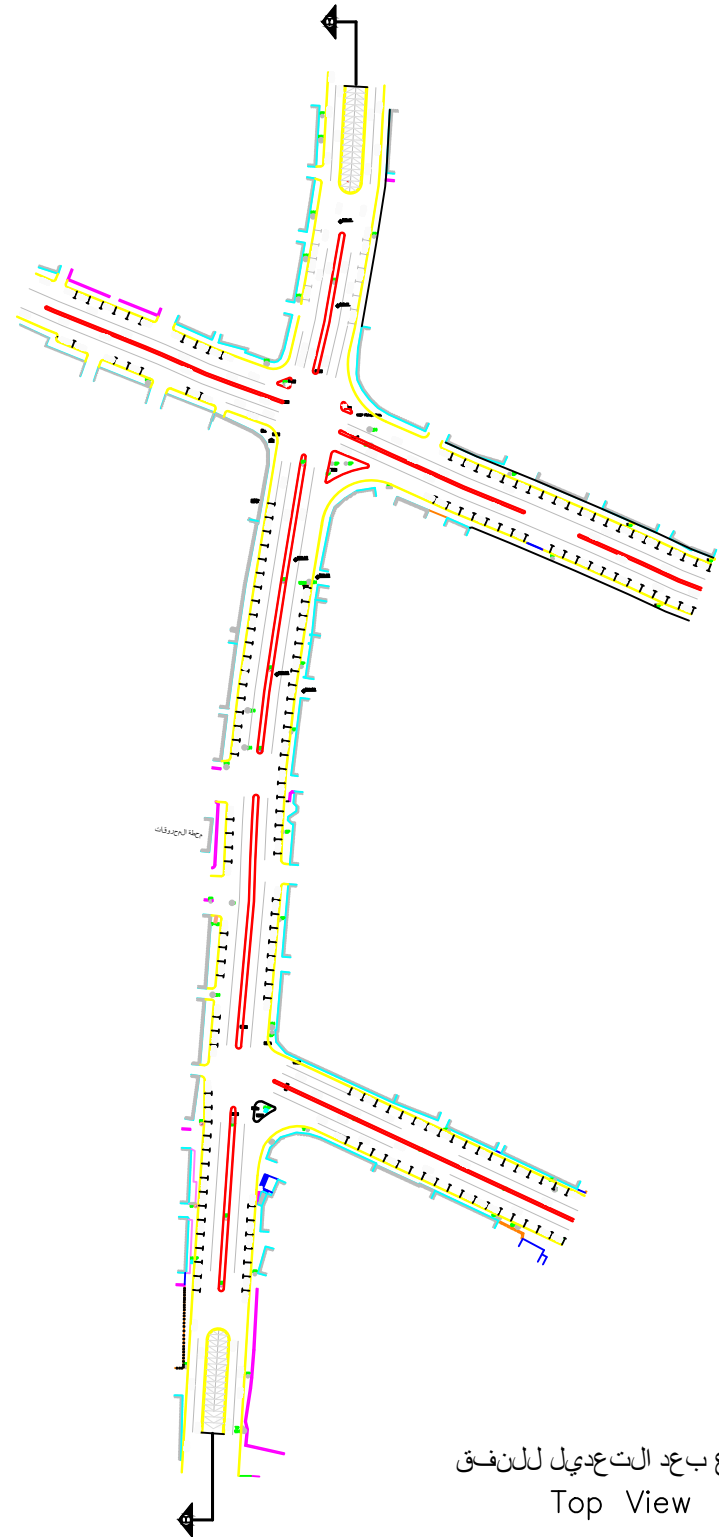
Street Details 2

Supervisors:

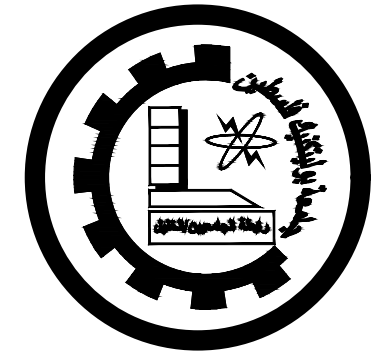
Musab Shahin

Done By:
alaa najajarah
sereen khallaf
layan shroof

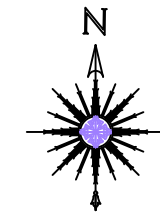




الشارع بعد التعديل للنفق
Top View



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Sheet Name:

Tunnel Details






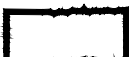



Supervisors:

Musab Shahin

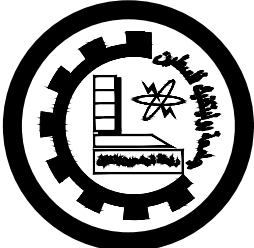
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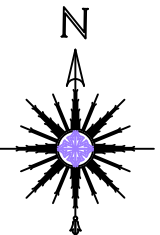
LEGEND AND ABBREVIATIONS

- Asphalt Wearing Course 
- Prime Coat (MC70) 
- Base Course 
- Existing Ground Level 
- SIDE WALK Interlock 
- STONE BOULDER 
- Concret Wall 
- Selected Material 
- ROW 

- NOTES :
1. ALL STATIONS, COORDINATES AND LEVELS ARE IN METERS.
 2. ALL OTHER DIMENSIONS ARE IN CM UNLESS OTHERWISE NOTED
 3. COORDINATES AND ELEVATIONS REFER TO THE PALESTINIAN GRID SYSTEM.
 4. DESIGN SPEED IS 50 Km/h



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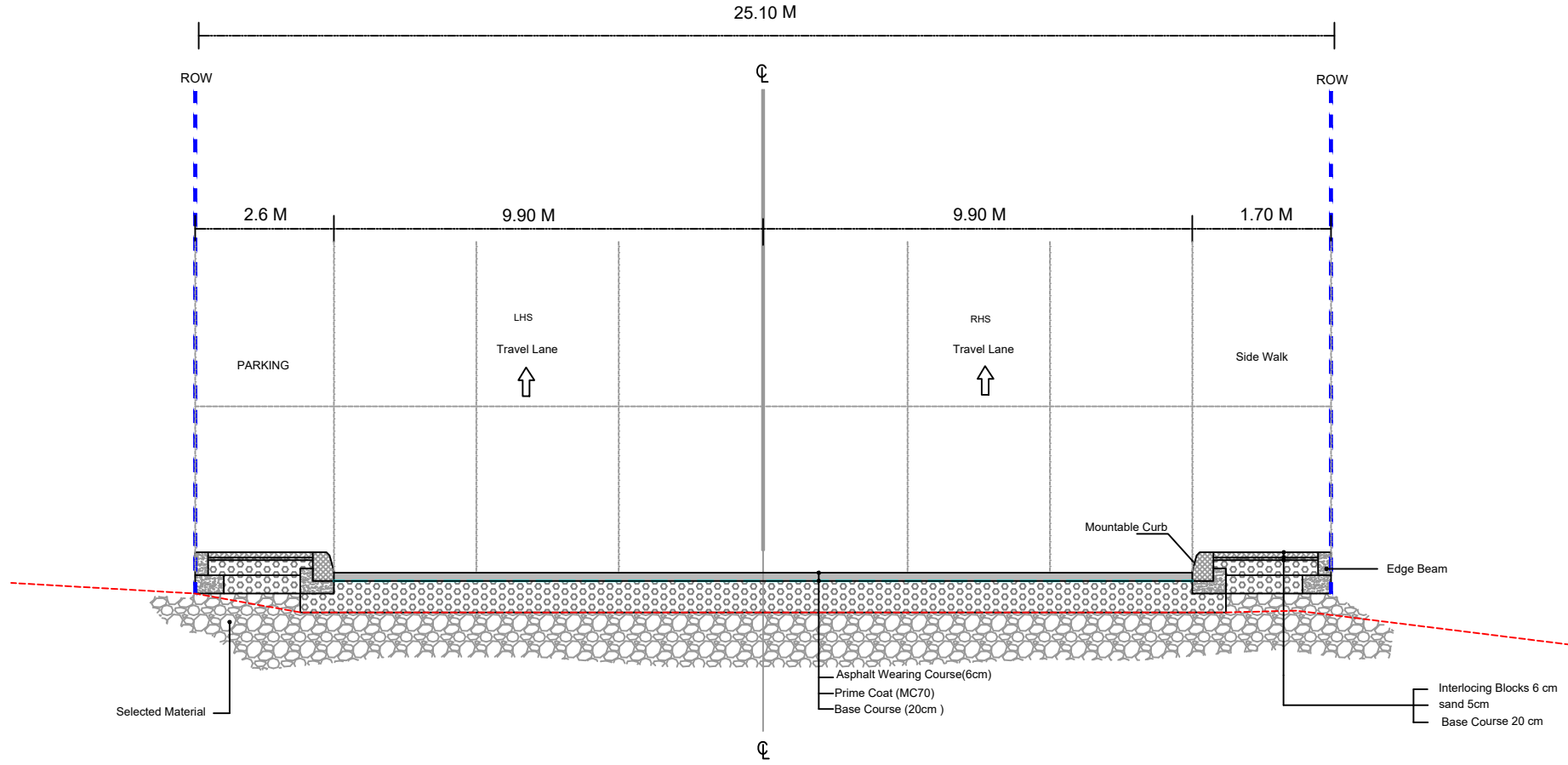
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Study Of AL-SALAM Intersection
Between The Present And Future

PROJECT NAME :










AL-SALAM ROAD

Drawing Title:
TYPICAL CROSS SECTIONS

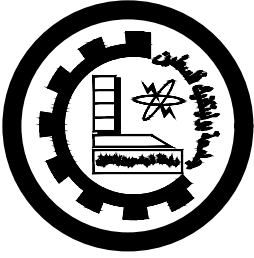
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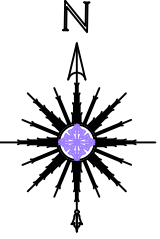
LEGEND AND ABBREVIATIONS

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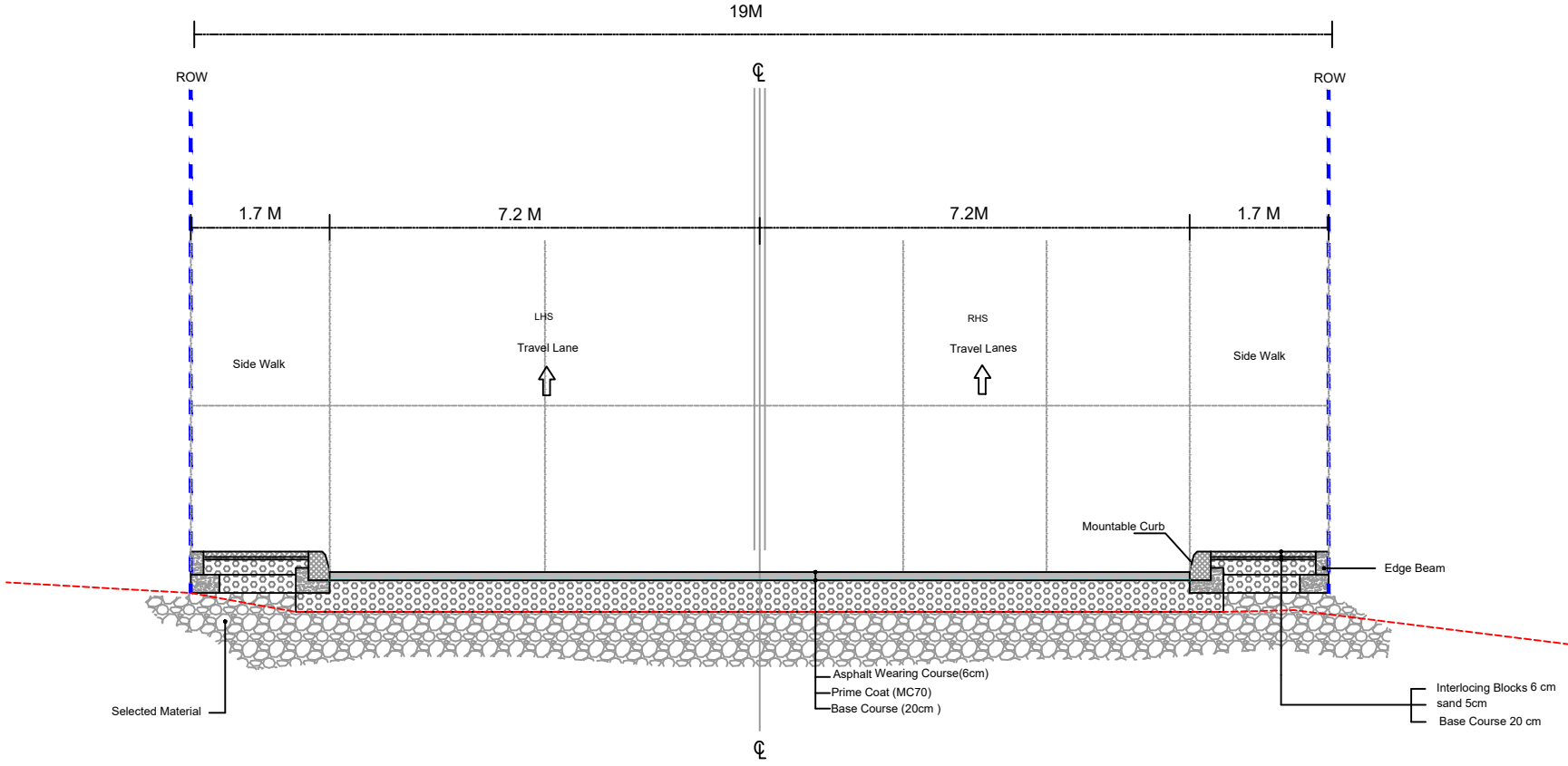
PROJECT TITLE :
Study Of AL-SALAM Intersection
Between The Present And Future

PROJECT NAME :






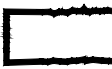



AL-SALAM ROAD

Drawing Title:
TYPICAL CROSS SECTIONS

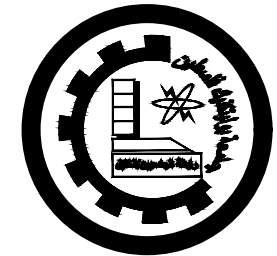
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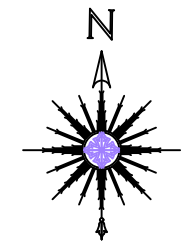
LEGEND AND ABBREVIATIONS

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Study Of AL-SALAM Intersection
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PROJECT NAME :

AL-SALAM ROAD

Drawing Title:
TYPICAL CROSS SECTIONS

Supervisor:

