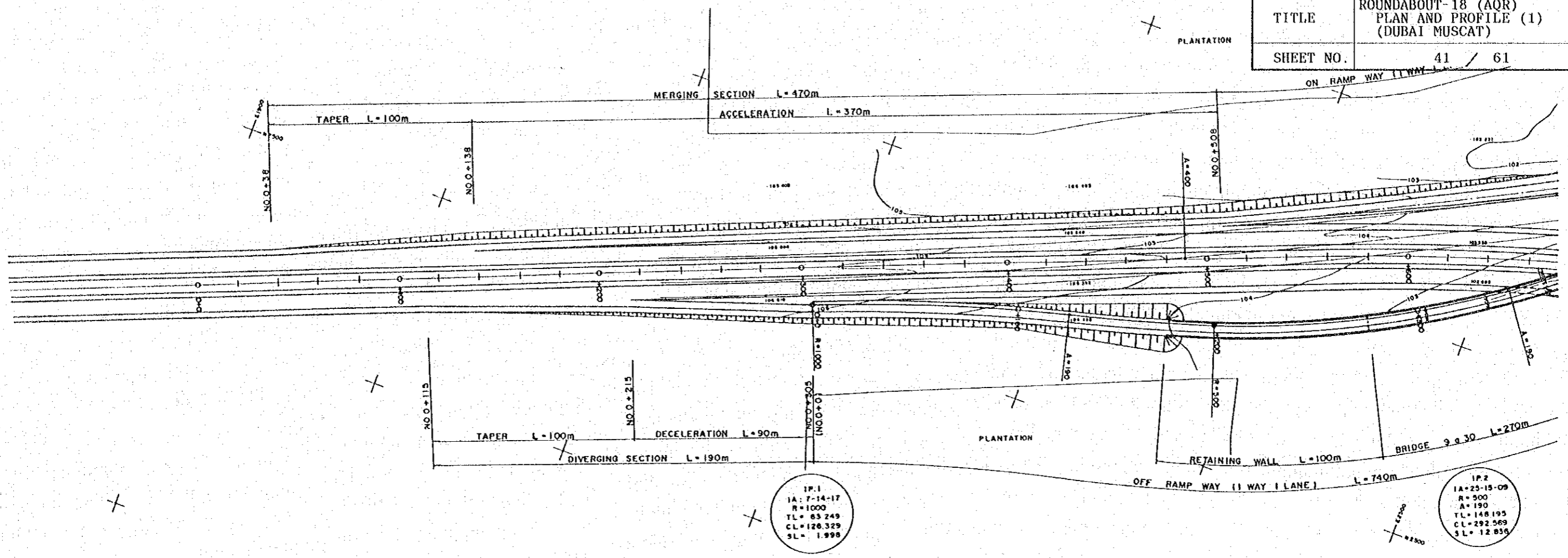
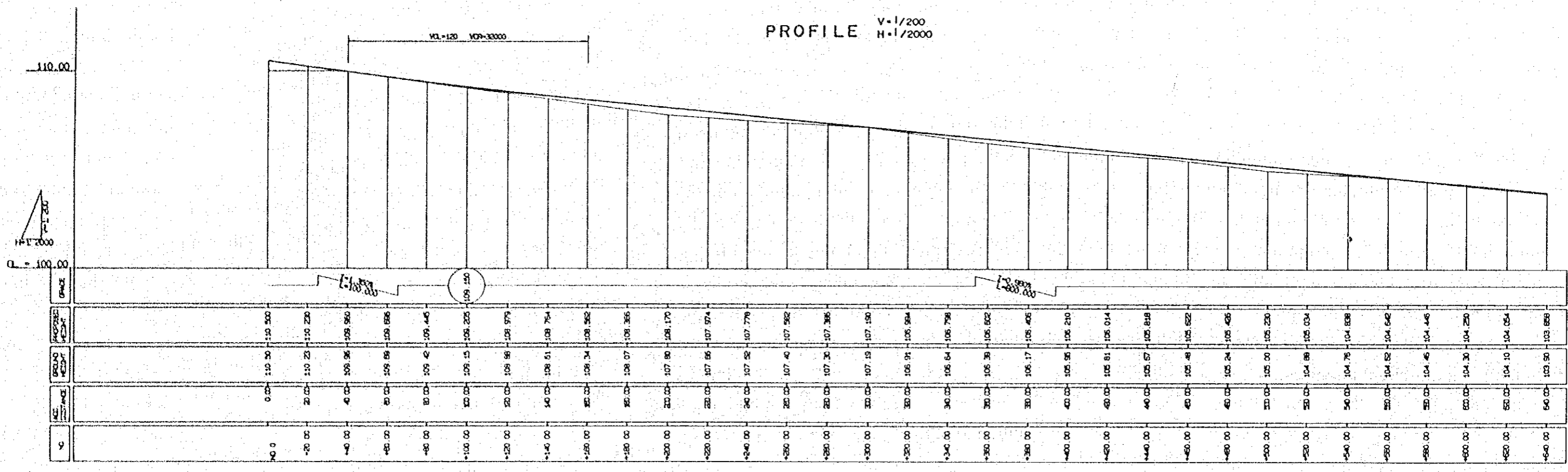


|                                       |  |
|---------------------------------------|--|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | ROUNDBOUT-18 (AOR)<br>PLAN AND PROFILE (1)<br>(DUBAI MUSCAT) |
| SHEET NO.                             | 41 / 61  |

PLAN S=1/2000



PROFILE V=1/200  
H=1/2000

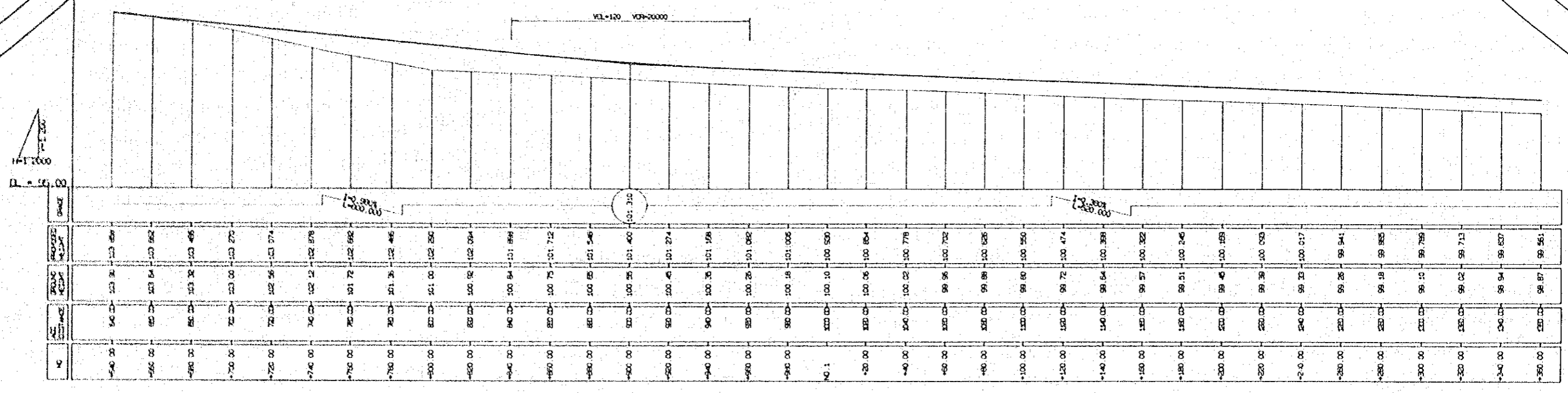
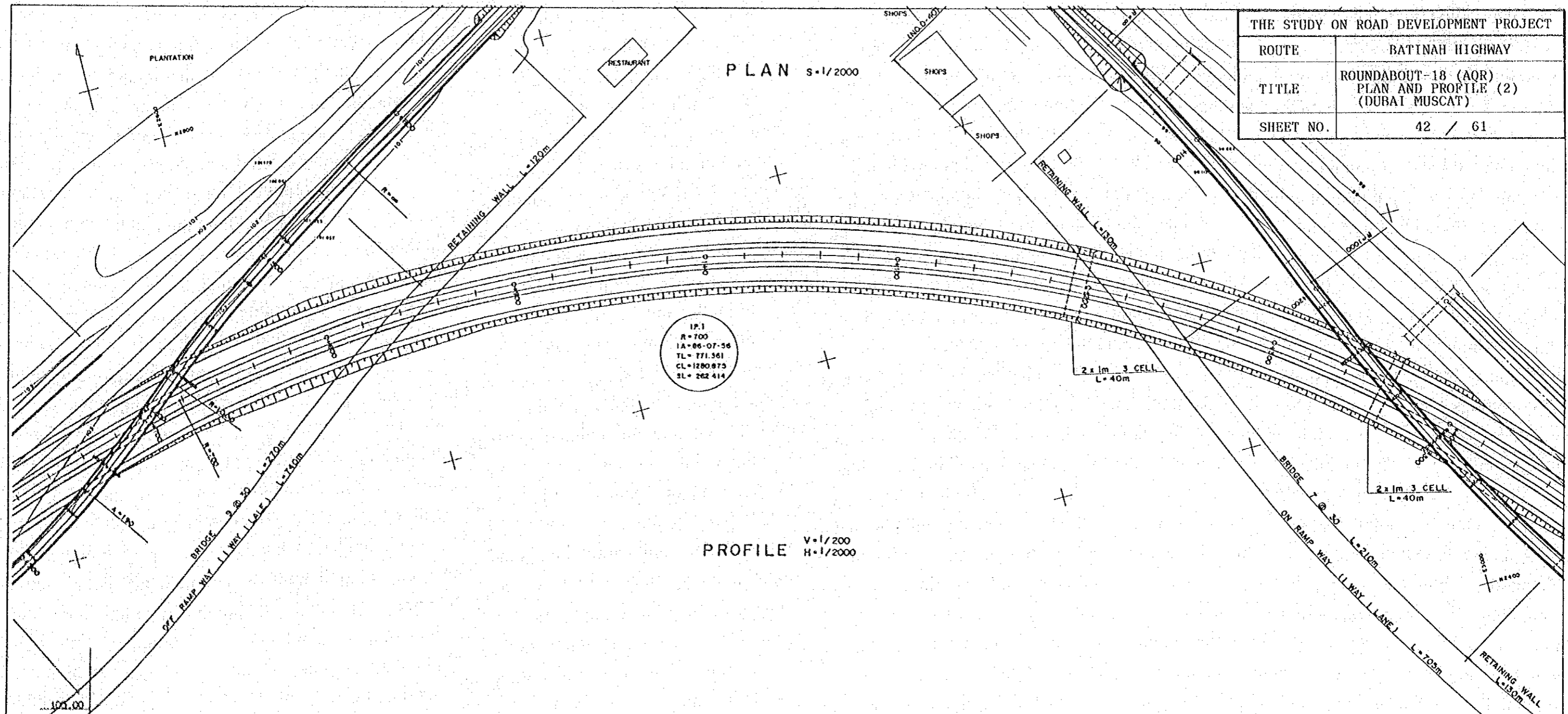


|                                       |  |
|---------------------------------------|--|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | ROUNDBOUT-18 (AOR)<br>PLAN AND PROFILE (2)<br>(DUBAI MUSCAT) |
| SHEET NO.                             | 42 / 61  |

PLAN S=1/2000

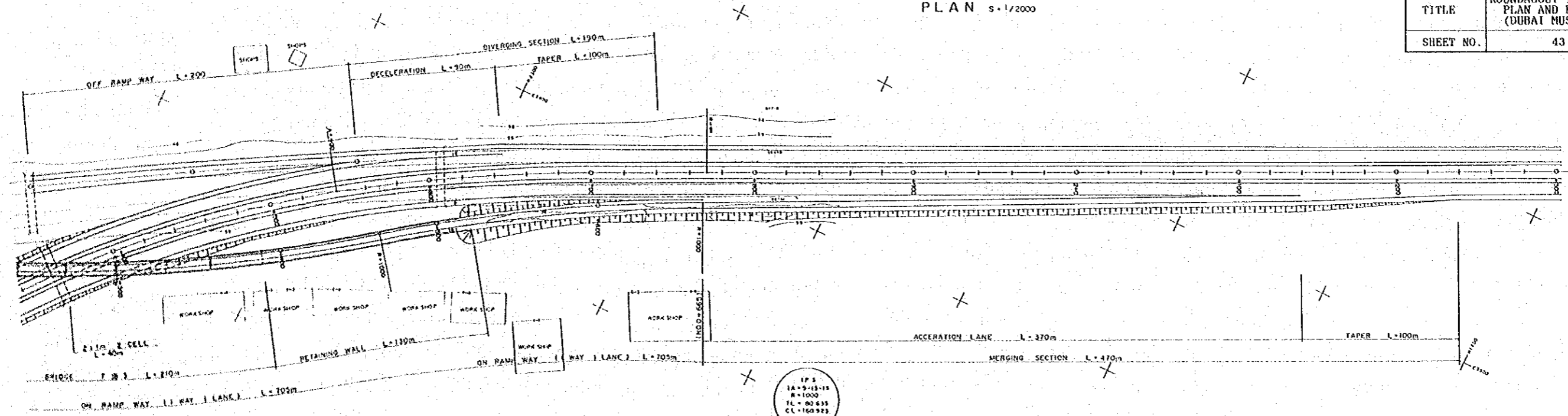
PROFILE V=1/200  
H=1/2000

IP.1  
R=700  
IA=66-07-56  
TL=771.561  
CL=1280.875  
SL=262.414



|                                       |   |
|---------------------------------------|---|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |   |
| ROUTE                                 | BATINAH HIGHWAY   |
| TITLE                                 | ROUNDABOUT-18 (AQR)<br>PLAN AND PROFILE (3)<br>(DUBAI MUSCAT) |
| SHEET NO.                             | 43 / 61   |

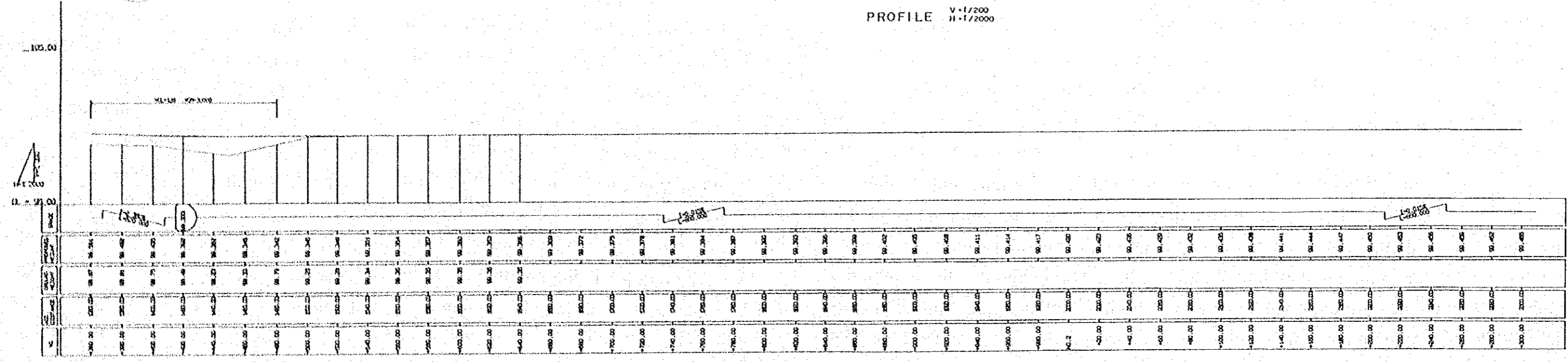
PLAN S=1/2000



IP 5  
IA = 9-15-15  
R = 1000  
IL = 00 635  
CL = 160 923  
SL = 3 248

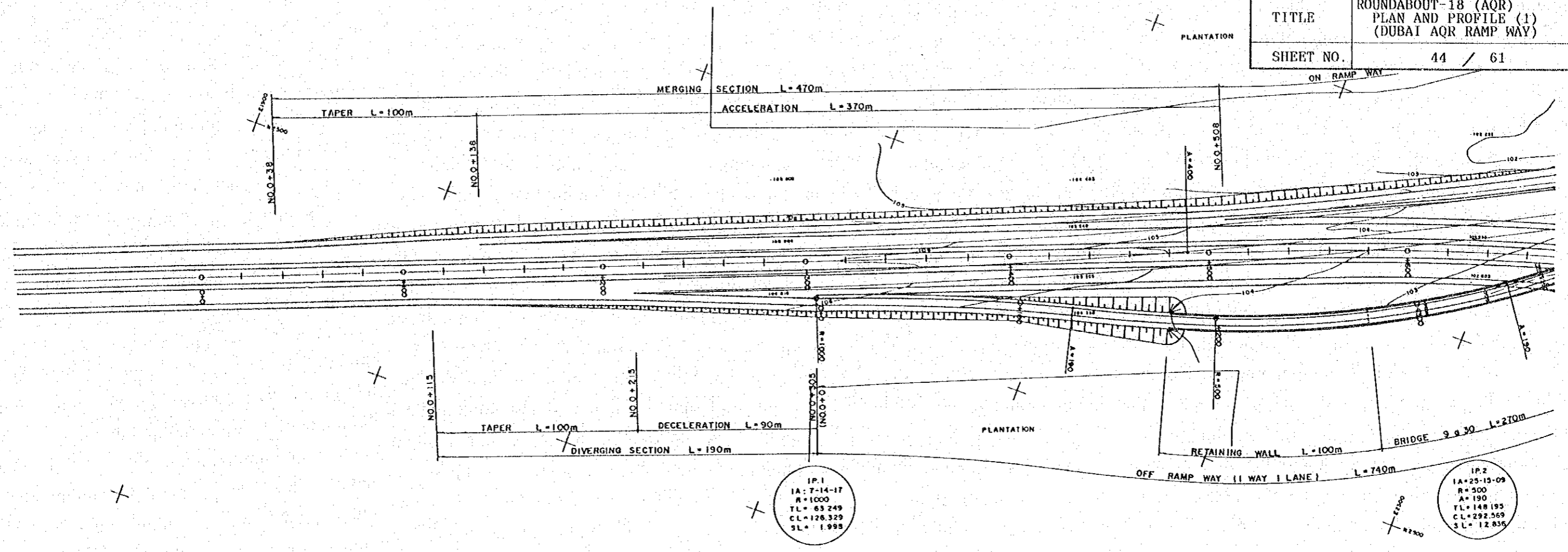
IP 1  
IA = 15-28-02  
R = 1000  
IL = 100 548  
CL = 180 448  
SL = 3 048

PROFILE V=1/200  
H=1/2000

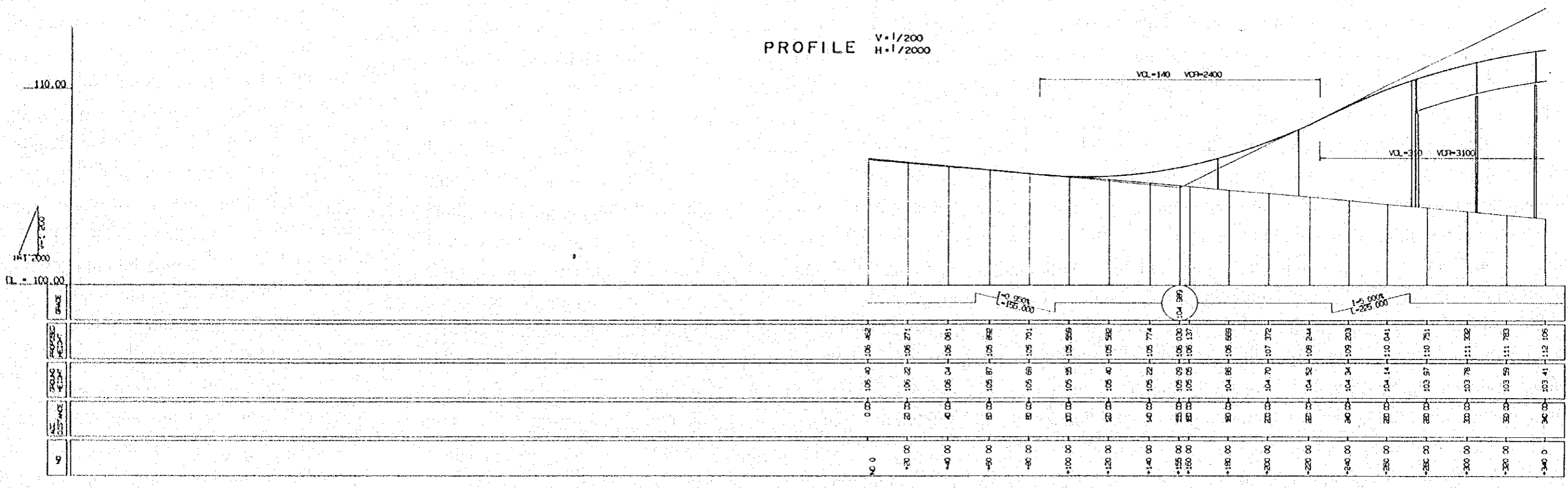


|                                       |  |
|---------------------------------------|--|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | ROUNDAOUT-18 (AQR)<br>PLAN AND PROFILE (1)<br>(DUBAI AQR RAMP WAY) |
| SHEET NO.                             | 44 / 61  |

PLAN s=1/2000

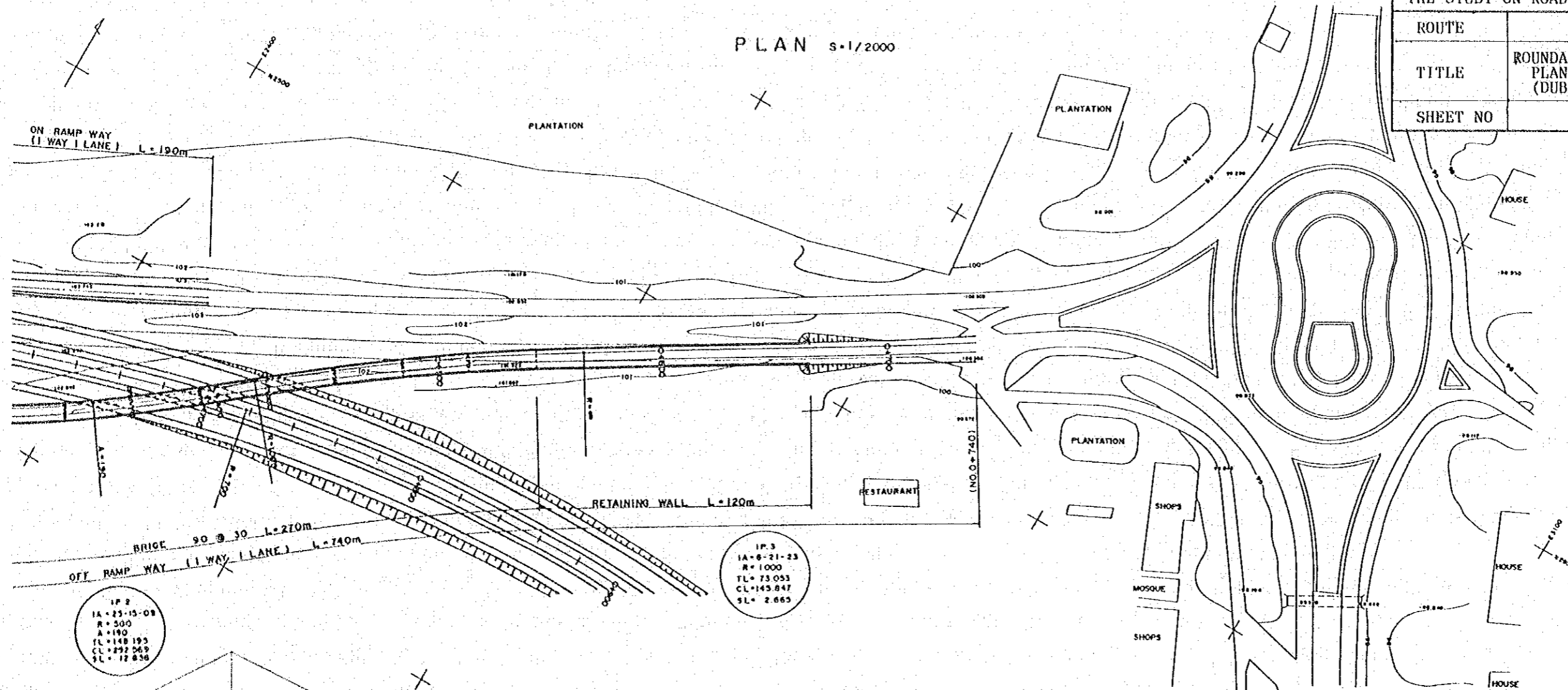


PROFILE V=1/200  
H=1/2000

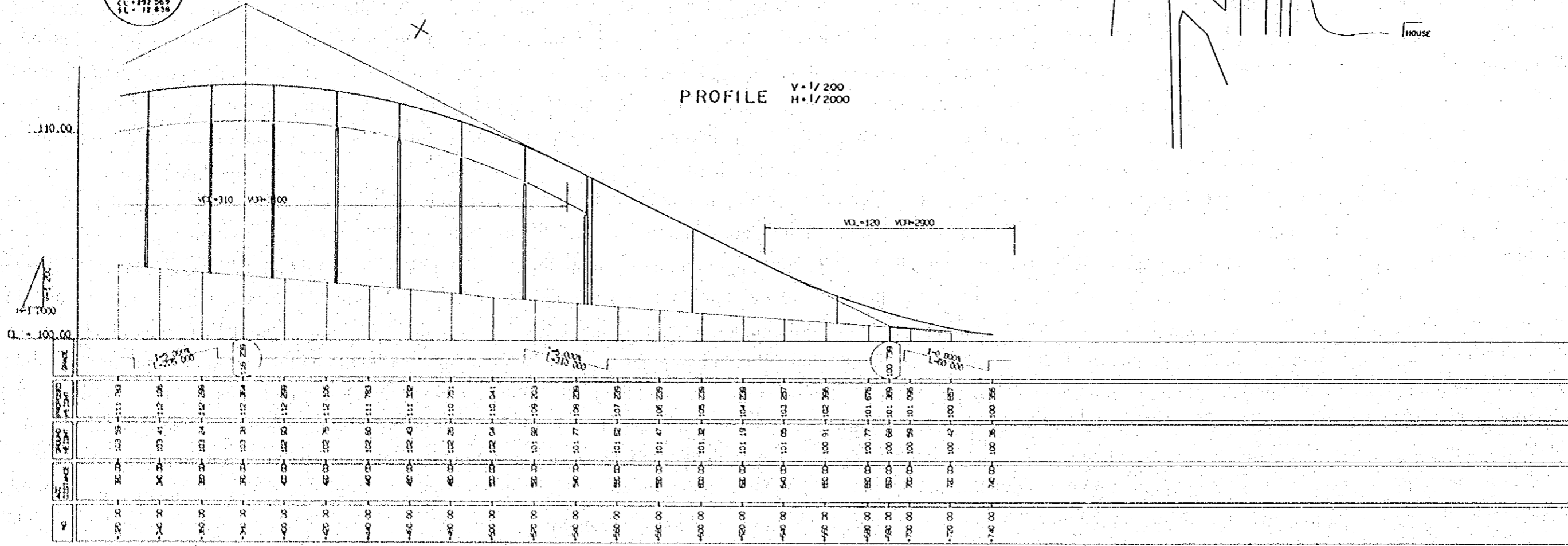


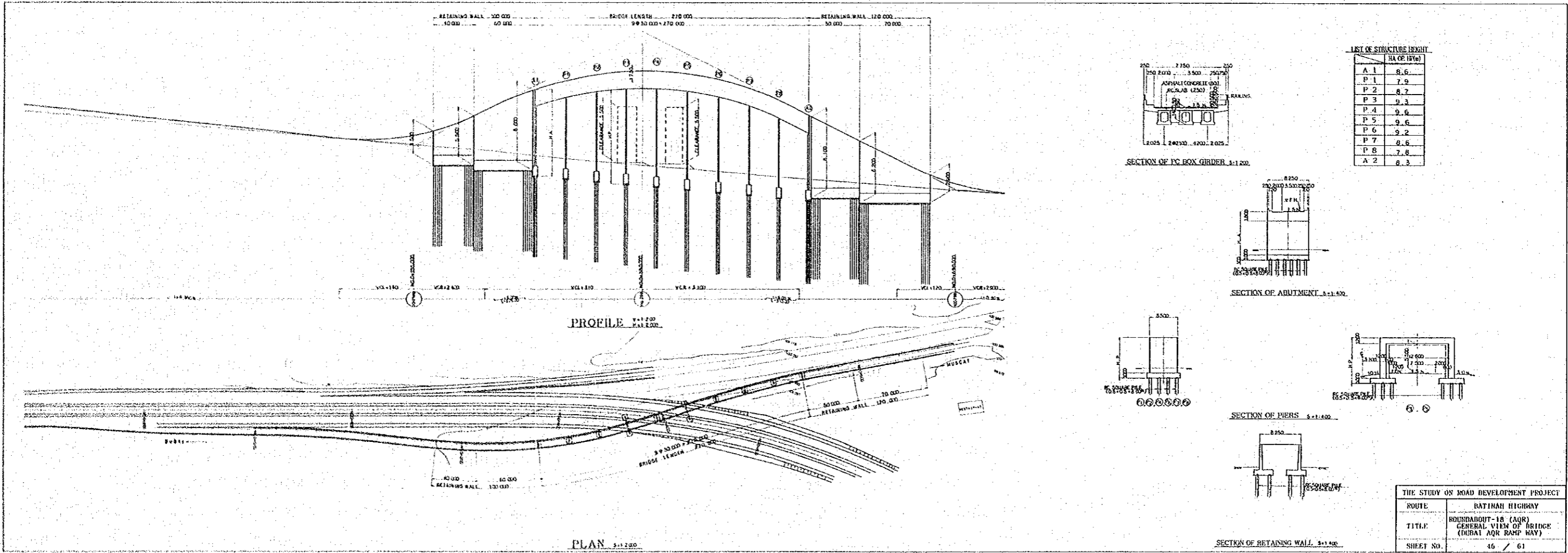
|                                       |   |
|---------------------------------------|---|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |   |
| ROUTE                                 | BATINAH HIGHWAY   |
| TITLE                                 | ROUNDABOUT-18 (AQR)<br>PLAN AND PROFILE (2)<br>(DUBAI AQR RAMP WAY) |
| SHEET NO                              | 45 / 61   |

PLAN S-1/2000



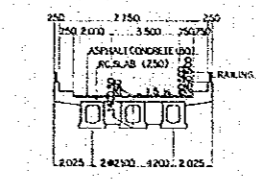
PROFILE V=1/200  
H=1/2000



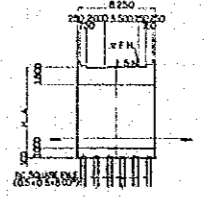


LIST OF STRUCTURE HEIGHT

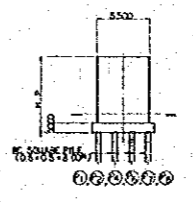
| NO  | HA (OF 18%) |
|-----|-------------|
| A 1 | 8.6         |
| P 1 | 7.9         |
| P 2 | 8.2         |
| P 3 | 9.3         |
| P 4 | 9.6         |
| P 5 | 9.6         |
| P 6 | 9.2         |
| P 7 | 8.6         |
| P 8 | 7.8         |
| A 2 | 8.3         |



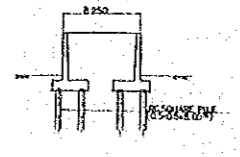
SECTION OF RC BOX GIRDER 1:100



SECTION OF ABUTMENT 1:1.500



SECTION OF PIERS 1:1.400

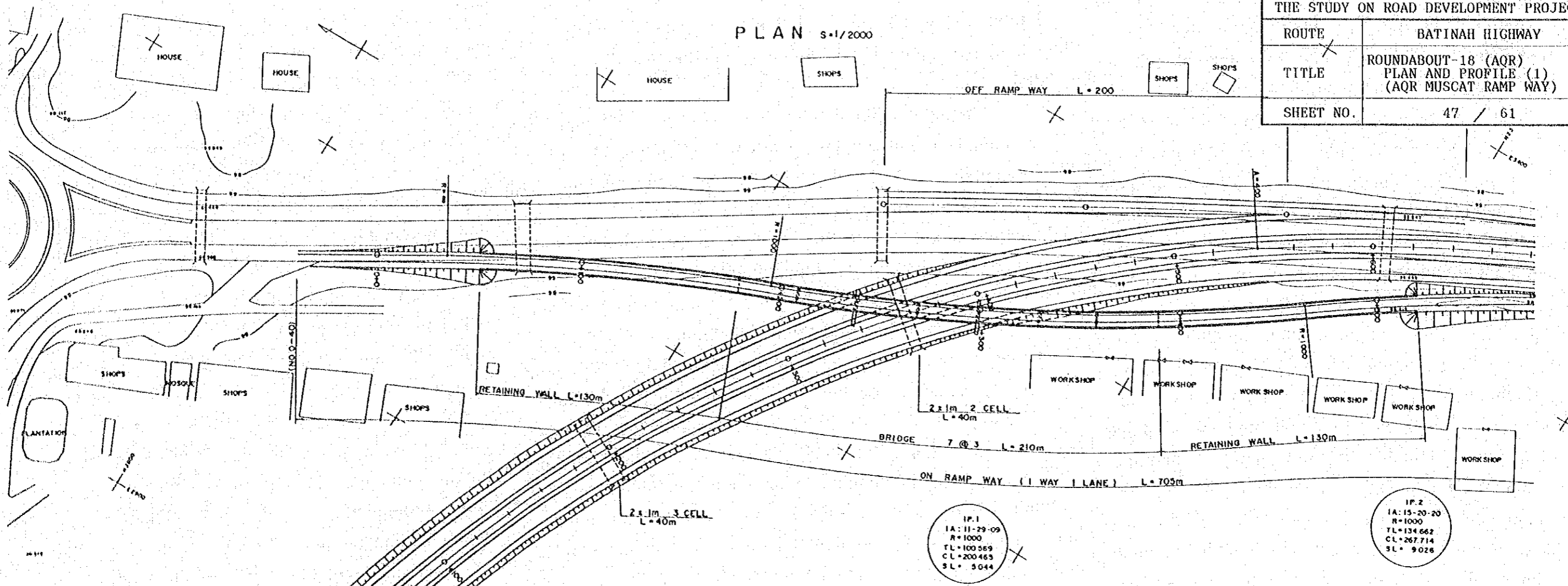


SECTION OF RETAINING WALL 1:1.400

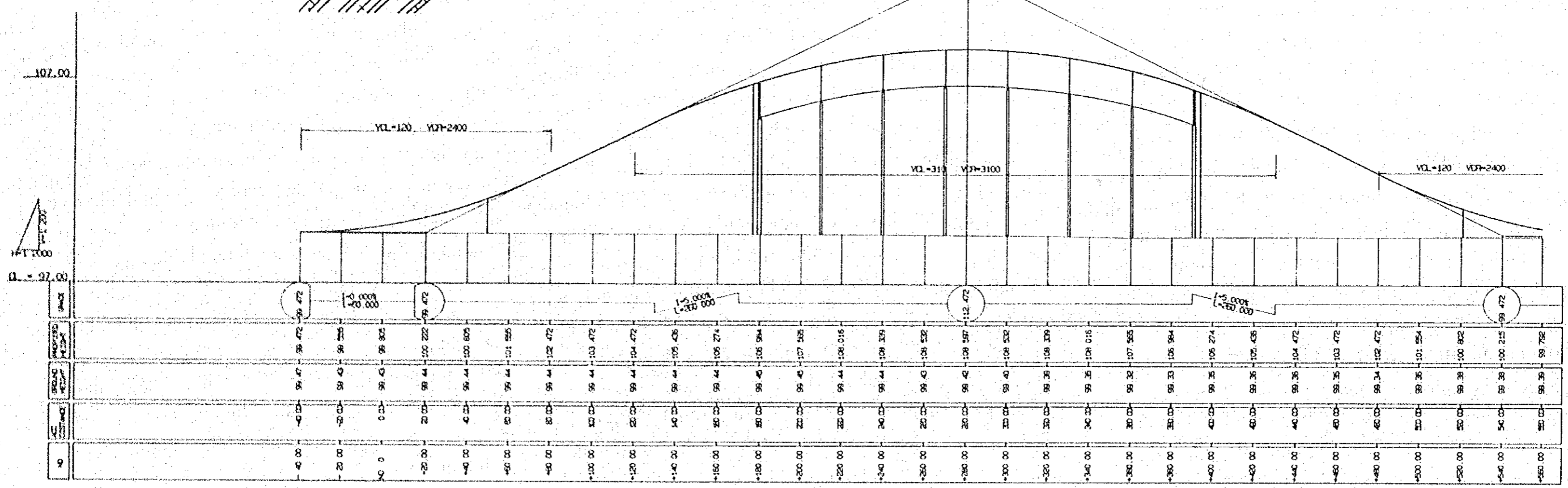
| THE STUDY ON ROAD DEVELOPMENT PROJECT |   |
|---------------------------------------|---|
| ROUTE                                 | RATINAH HIGHWAY   |
| TITLE                                 | ROUNDABOUT-18 (AQR)<br>GENERAL VIEW OF BRIDGE<br>(DUBAI AQR RAMP WAY) |
| SHEET NO.                             | 46 / 61   |

|                                       |   |
|---------------------------------------|---|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |   |
| ROUTE                                 | BATINAH HIGHWAY   |
| TITLE                                 | ROUNDAABOUT-18 (AQR)<br>PLAN AND PROFILE (1)<br>(AQR MUSCAT RAMP WAY) |
| SHEET NO.                             | 47 / 61   |

PLAN 5:1/2000

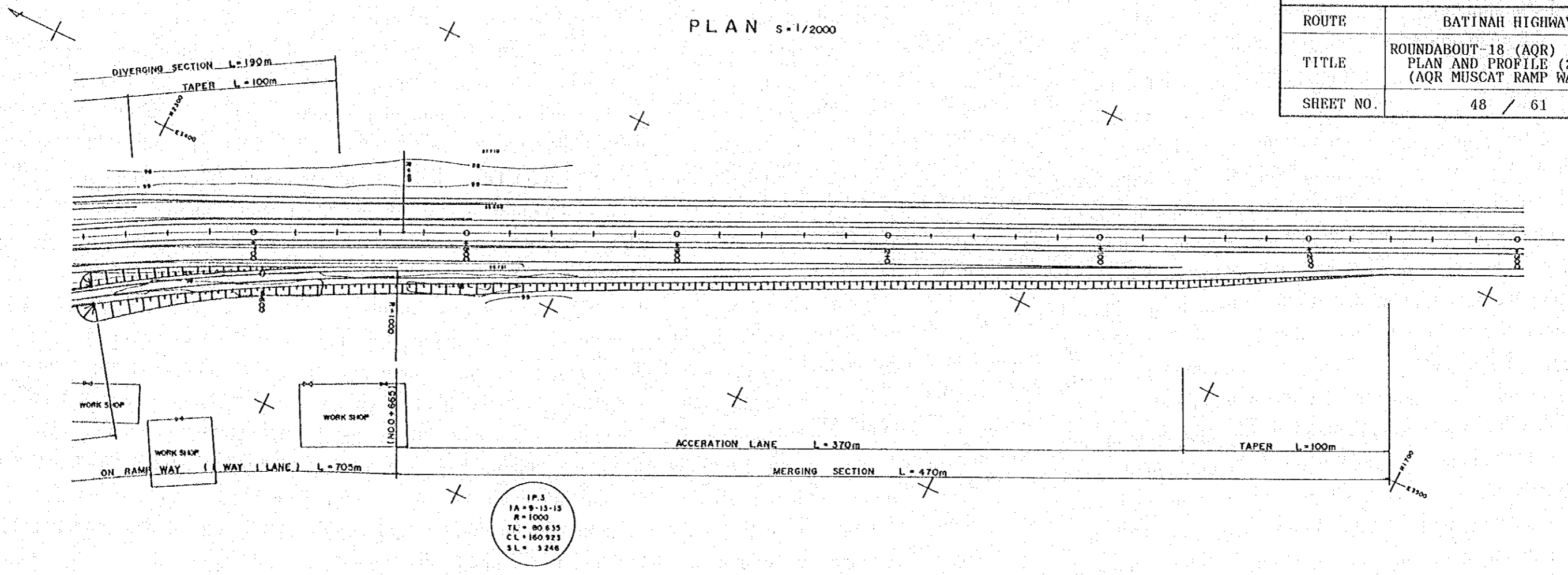


PROFILE V:1/200  
H:1/2000

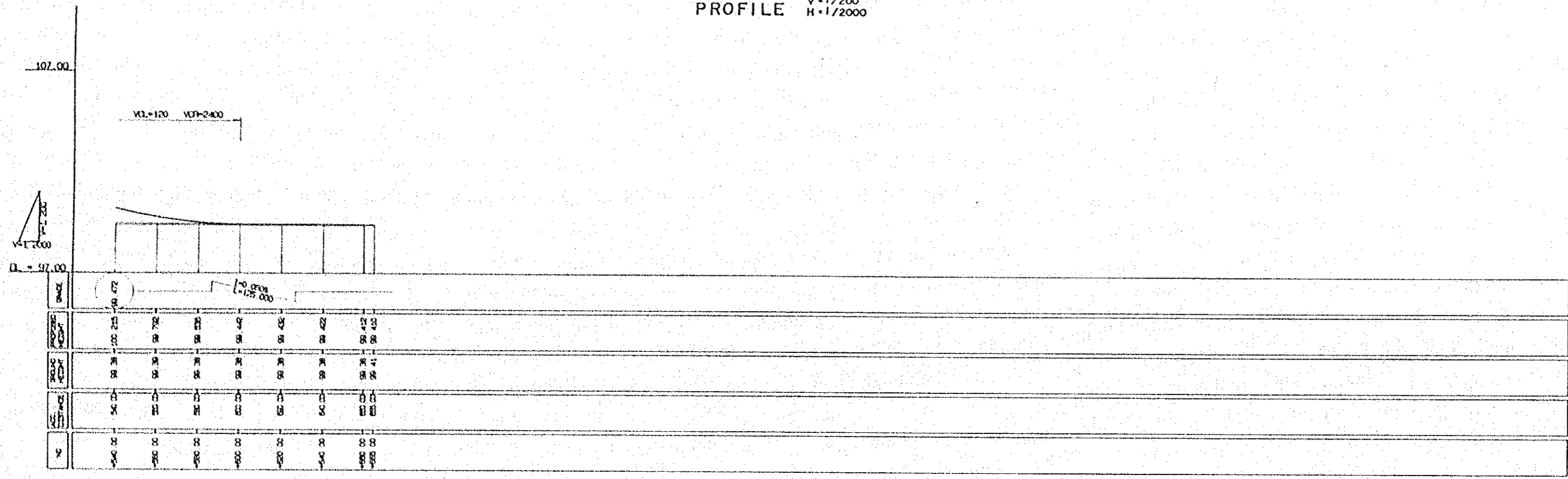


|                                       |   |
|---------------------------------------|---|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |   |
| ROUTE                                 | BATINAH HIGHWAY   |
| TITLE                                 | ROUNDAABOUT-18 (AQR)<br>PLAN AND PROFILE (2)<br>(AQR MUSCAT RAMP WAY) |
| SHEET NO.                             | 48 / 61   |

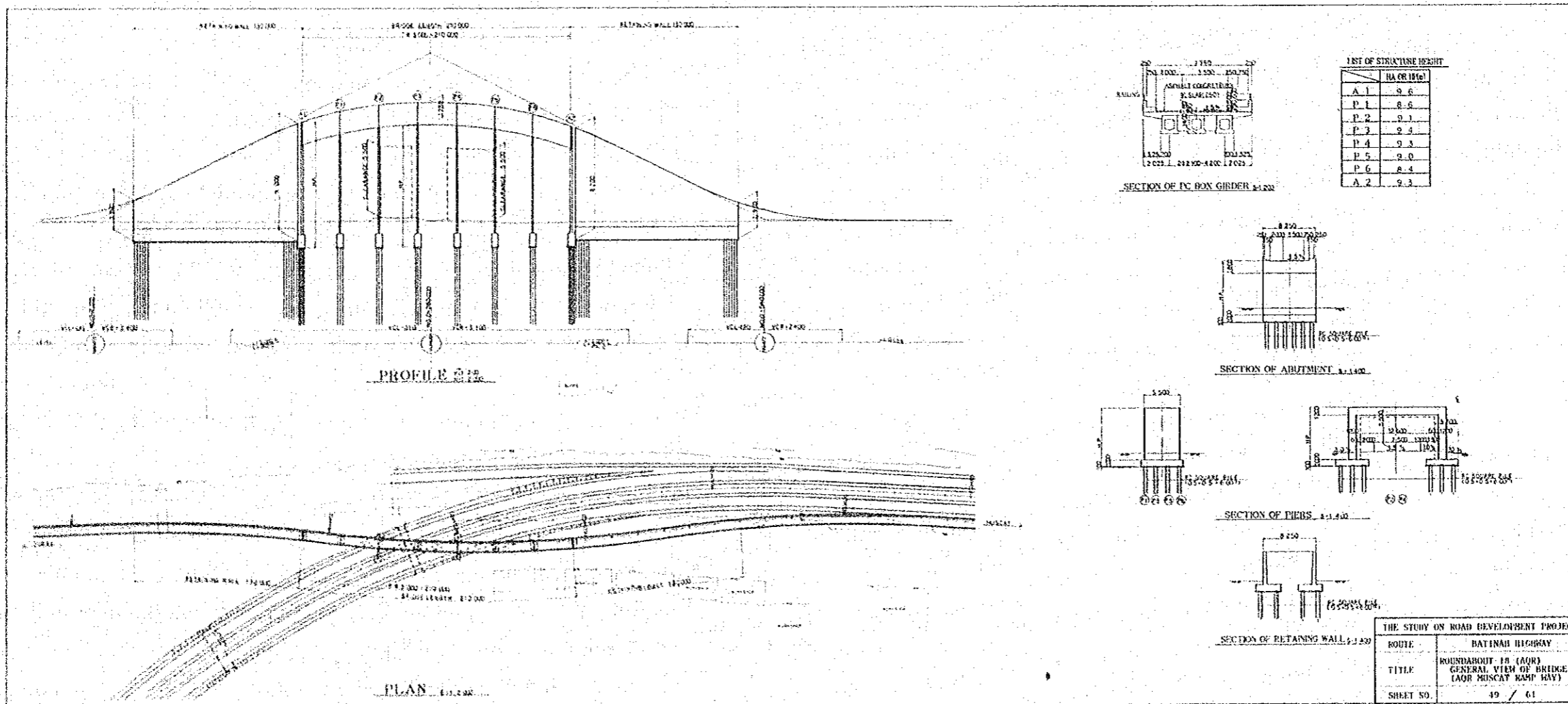
PLAN s=1/2000



PROFILE V=1/200  
H=1/2000





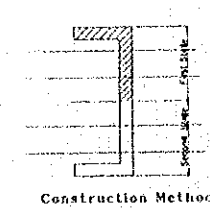
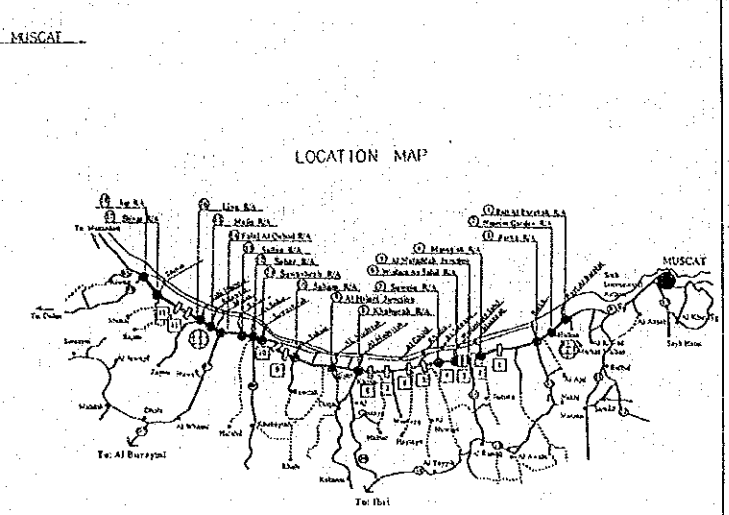
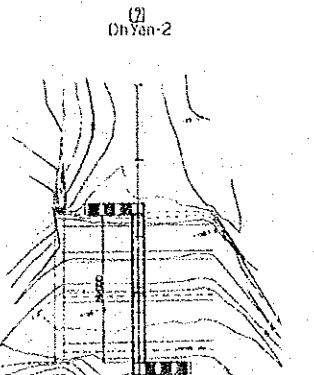
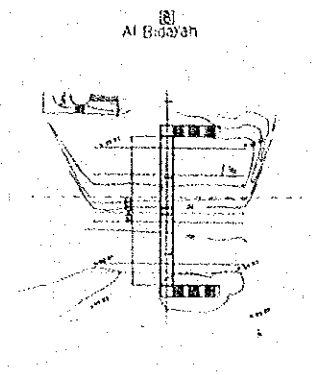
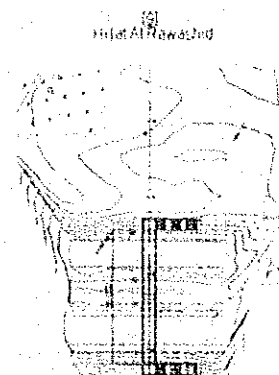
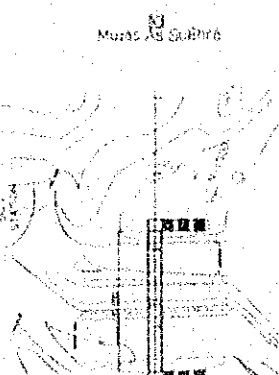
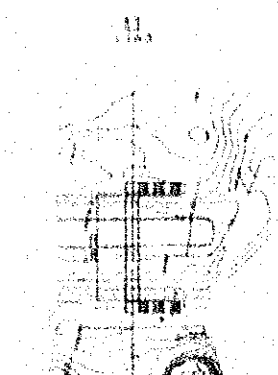
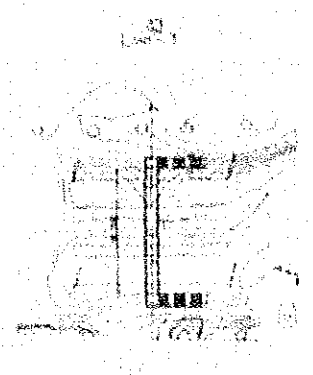
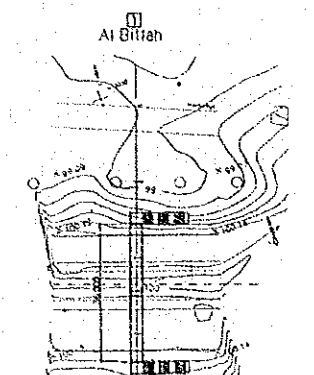
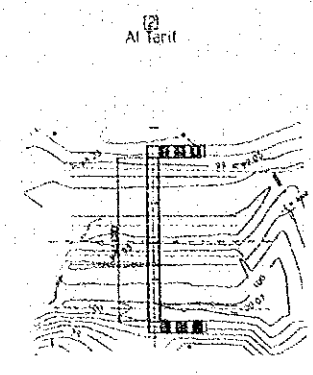
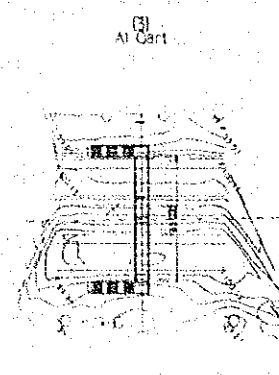
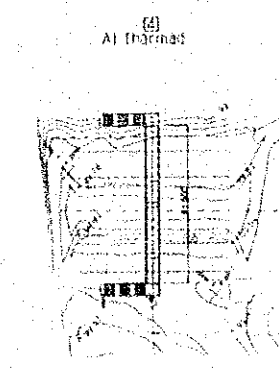
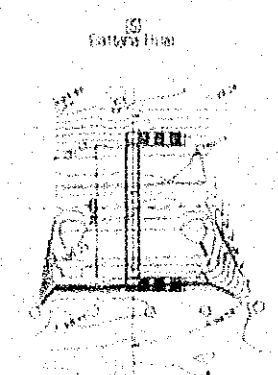
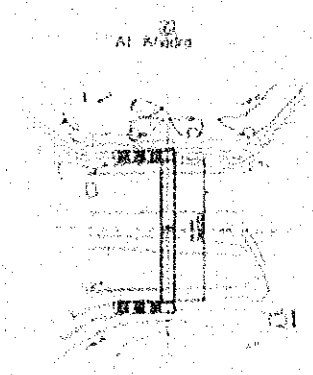


LIST OF STRUCTURE HEIGHT

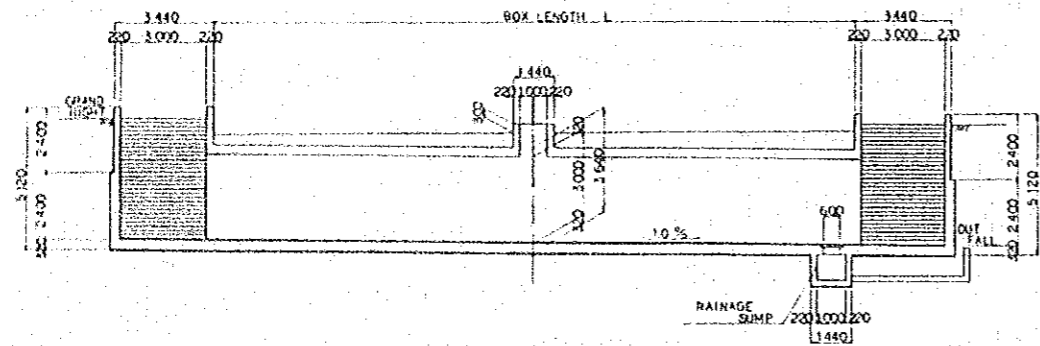
| NO  | HA OR ISG |
|-----|-----------|
| A.1 | 9.6       |
| P.1 | 8.8       |
| P.2 | 9.1       |
| P.3 | 9.3       |
| P.4 | 9.3       |
| P.5 | 9.0       |
| P.6 | 8.4       |
| A.2 | 9.3       |

THE STUDY ON ROAD DEVELOPMENT PROJECT

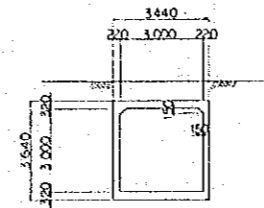
|           |  |
|-----------|--|
| ROUTE     | BATINAH HIGHWAY  |
| TITLE     | ROUNDABOUT 18 (AOR)<br>GENERAL VIEW OF BRIDGE<br>(AOR MUSCAT RAMP BAY) |
| SHEET NO. | 49 / 61  |



| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
|---------------------------------------|--|
| ROUTE                                 | BATHNAH HIGHWAY  |
| TITLE                                 | PEDESTRIAN UNDERPASS (PRELIMINARY DESIGN) GENERAL PLAN |
| SHEET NO.                             | 50 / 61  |



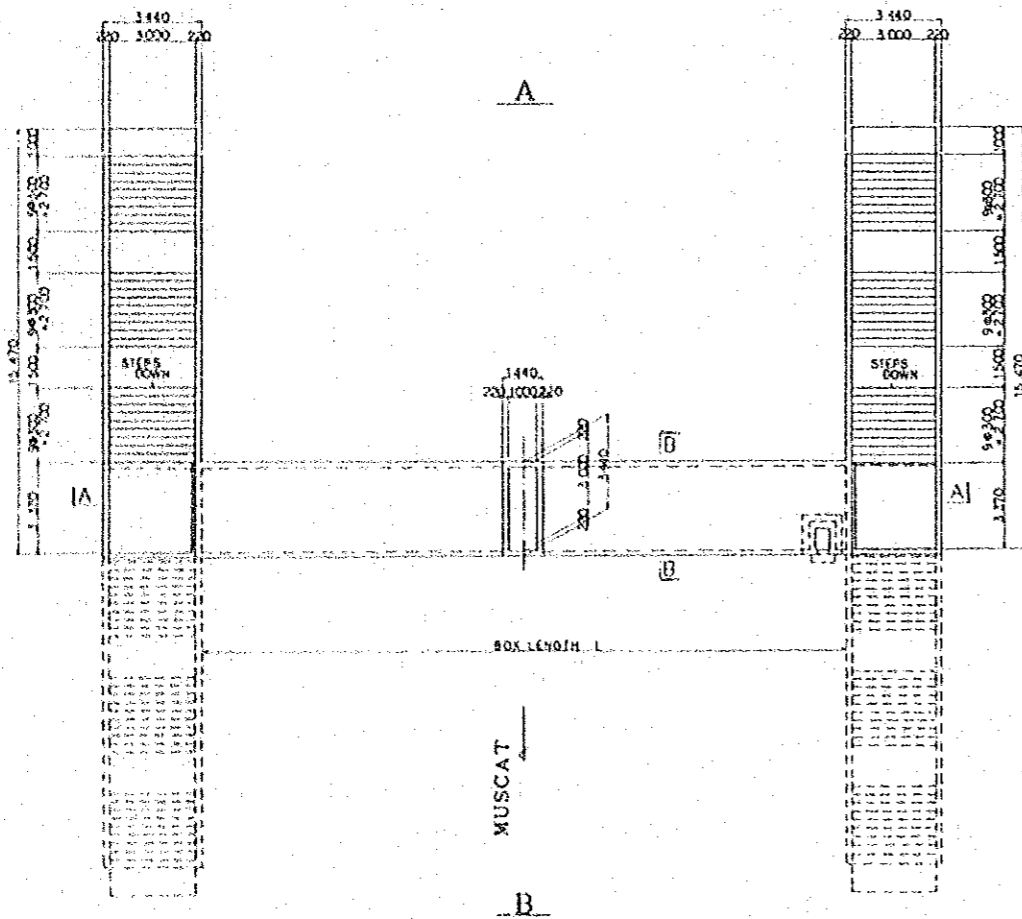
SECTION A-A  
SCALE 1:200



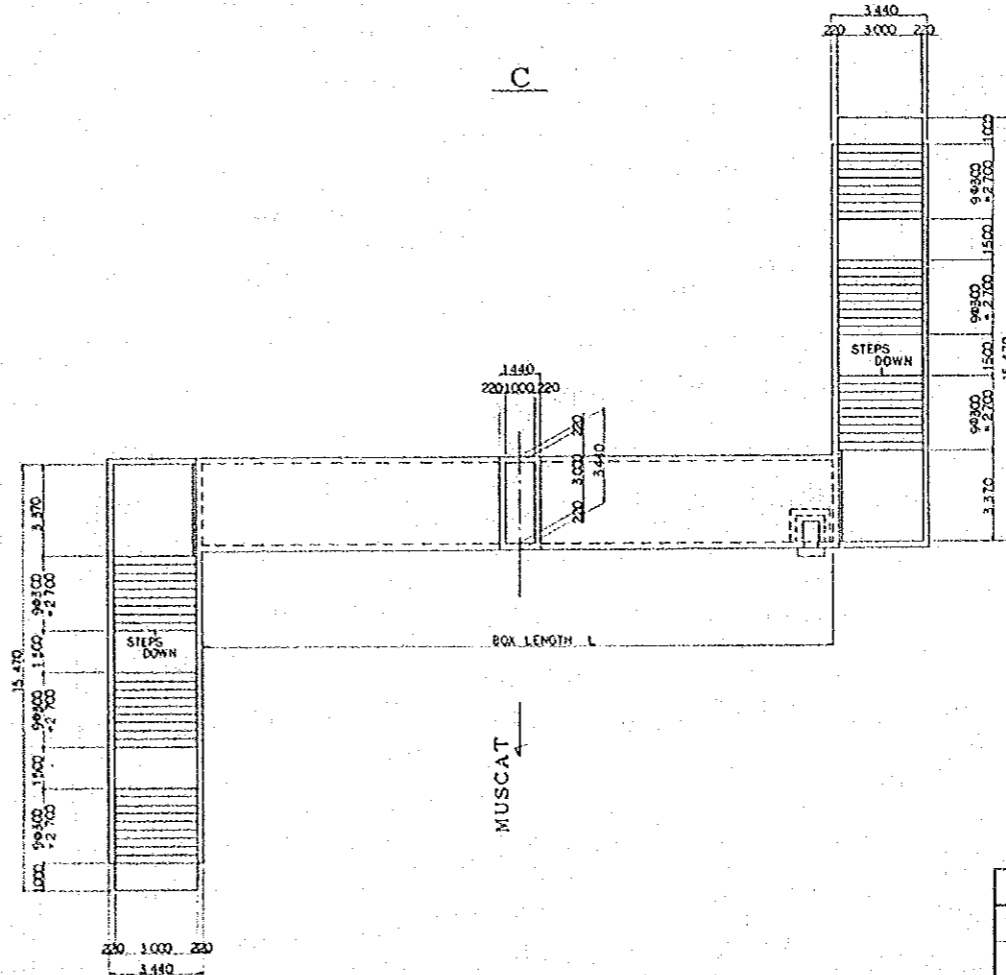
SECTION B-B  
SCALE 1:200

LOCATION AND BOX LENGTH

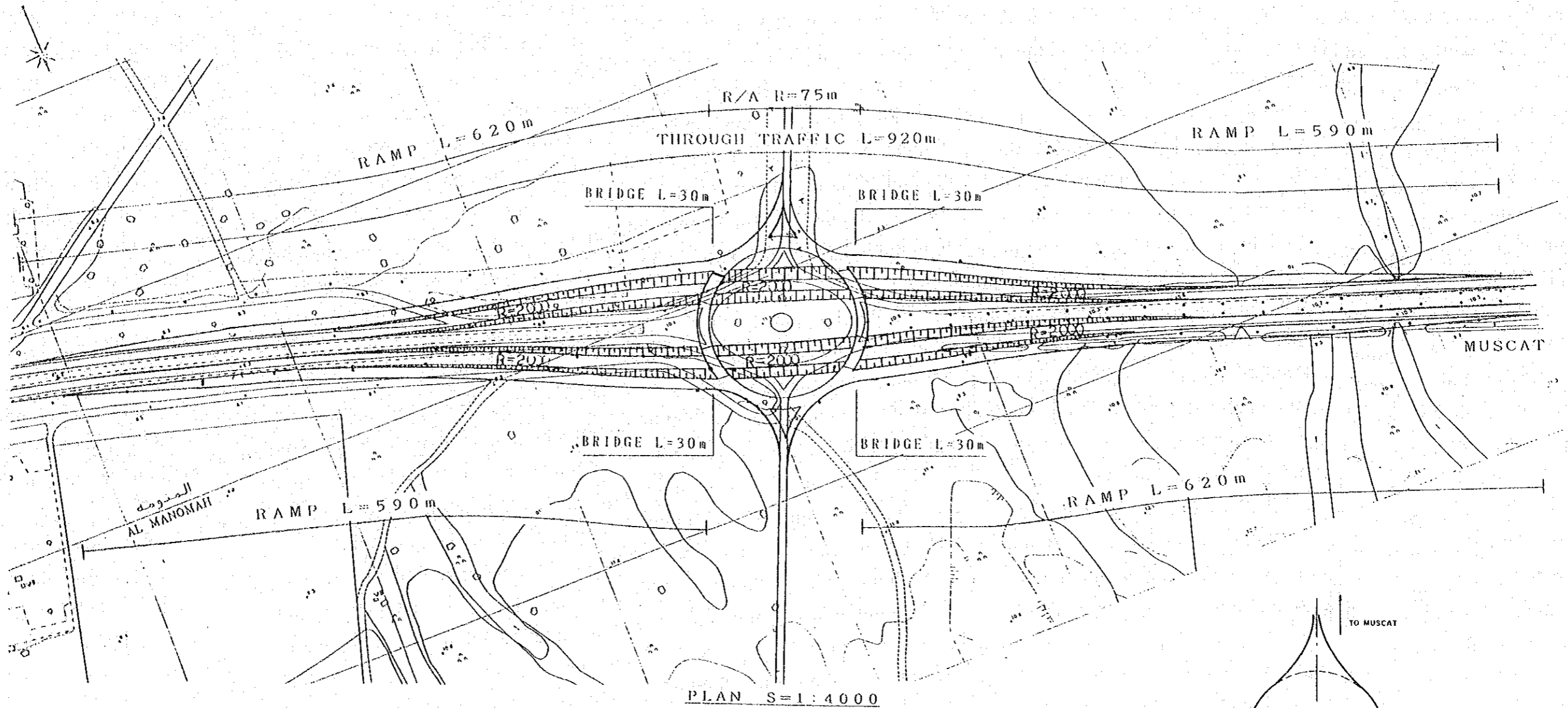
| No | Type | L (m)  | REMARKS |
|----|------|--------|---------|
| 1  | B    | 36.000 |         |
| 2  | B    | 43.000 |         |
| 3  | A    | 33.000 |         |
| 4  | A    | 41.500 |         |
| 5  | B    | 35.000 |         |
| 6  | A    | 36.000 |         |
| 7  | C    | 39.000 |         |
| 8  | B    | 39.000 |         |
| 9  | B    | 35.000 |         |
| 10 | B    | 37.000 |         |
| 11 | B    | 39.000 |         |
| 12 | B    | 33.000 |         |



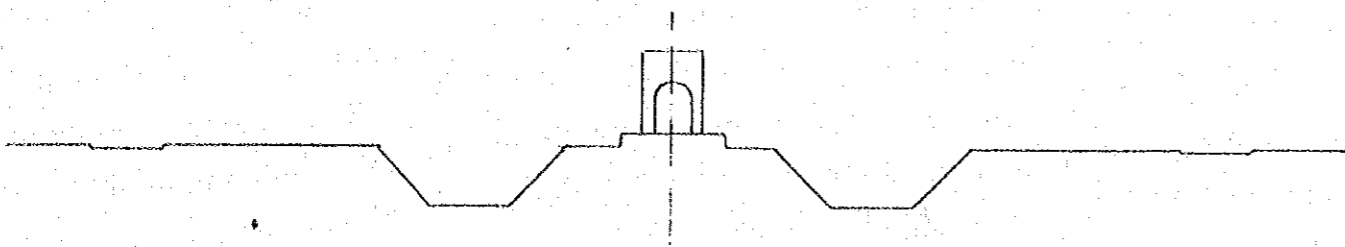
PLAN  
SCALE 1:200



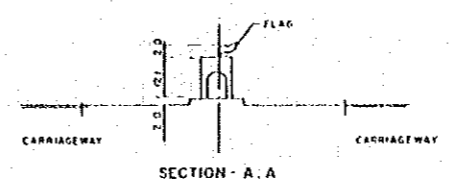
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
|---------------------------------------|--|
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | PEDESTRIAN UNDERPASS<br>(PRELIMINARY DESIGN)<br>GENERAL VIEW |
| SHEET NO.                             | 51 / 61  |



R/A      HIGHWAY      HIGHWAY      R/A

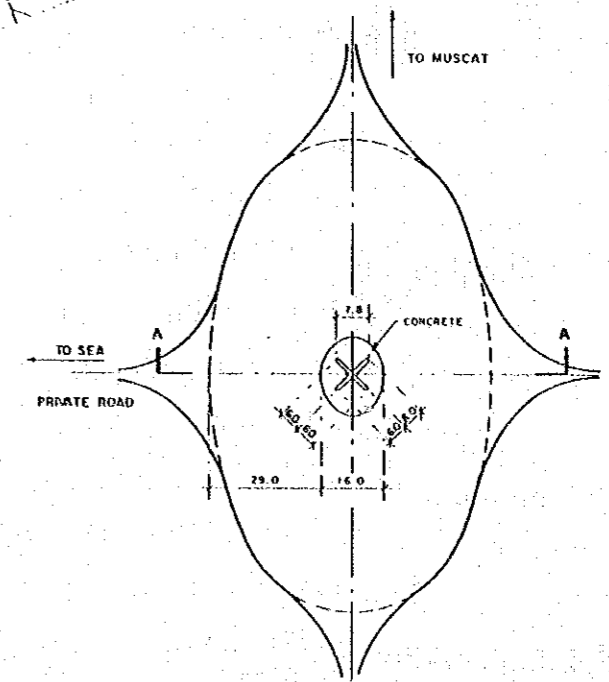


CROSS SECTION AT R/A S=1:1000

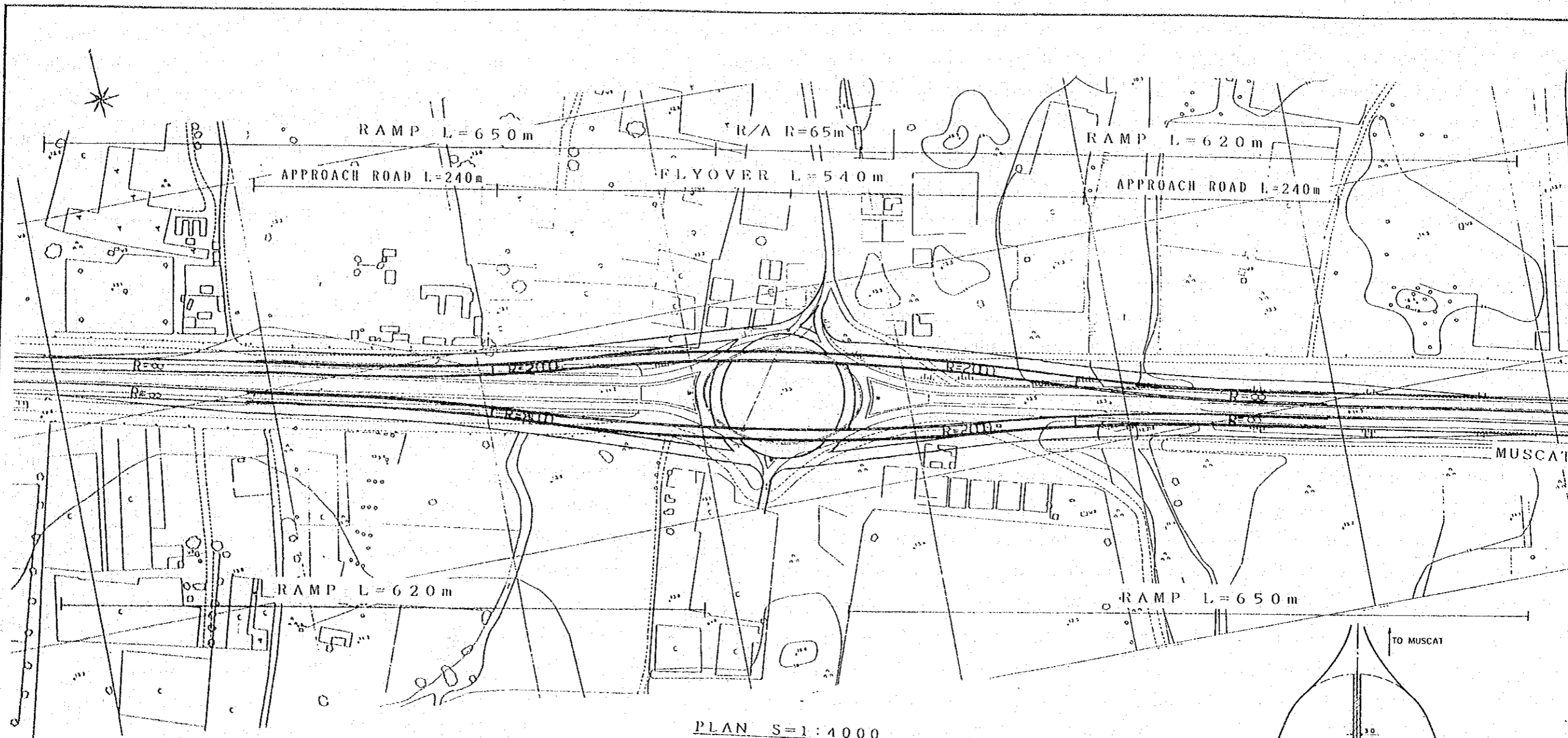


SECTION - A.A

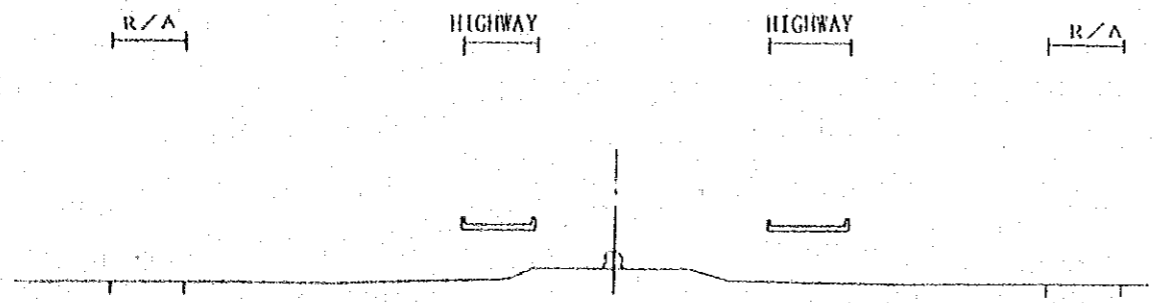
DETAILS IN EXISTING R/A NOSCALE



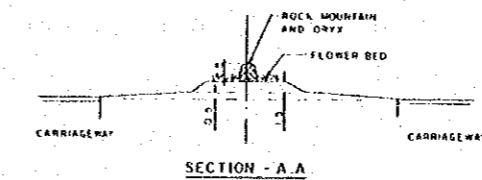
|  |   |                             |  |   |
|--|---|-----------------------------|--|---|
| <p>THE STUDY ON<br/>ROAD DEVELOPMENT PROJECT</p> | <p>JAPAN INTERNATIONAL<br/>COOPERATION AGENCY</p> | <p>R/A1 BAIT AL BARAKAH</p> | <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p> |   |
|  |   |                             | <p>ROUTE</p>                                 | <p>BATINAH HIGHWAY</p>  |
|  |   |                             | <p>TITLE</p>                                 | <p>APPENDIX (CONCEPTUAL DESIGN)<br/>GENERAL PLAN OF R/A-1<br/>(BAIT AL BALAKAH)</p> |
|  |   |                             | <p>SHEET NO.</p>                             | <p>52 / 61</p>  |



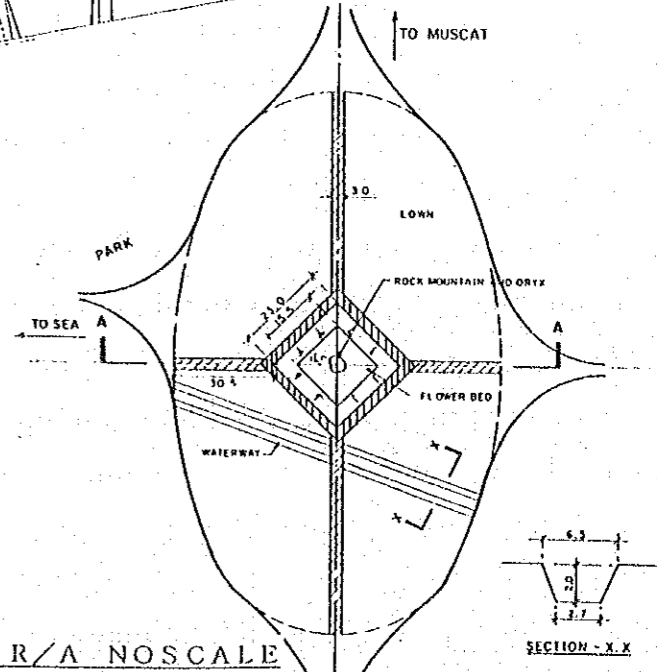
PLAN S=1:4000



CROSS SECTION AT R/A S=1:1000



SECTION - A A  
DETAILS IN EXISTING R/A NOSCALE



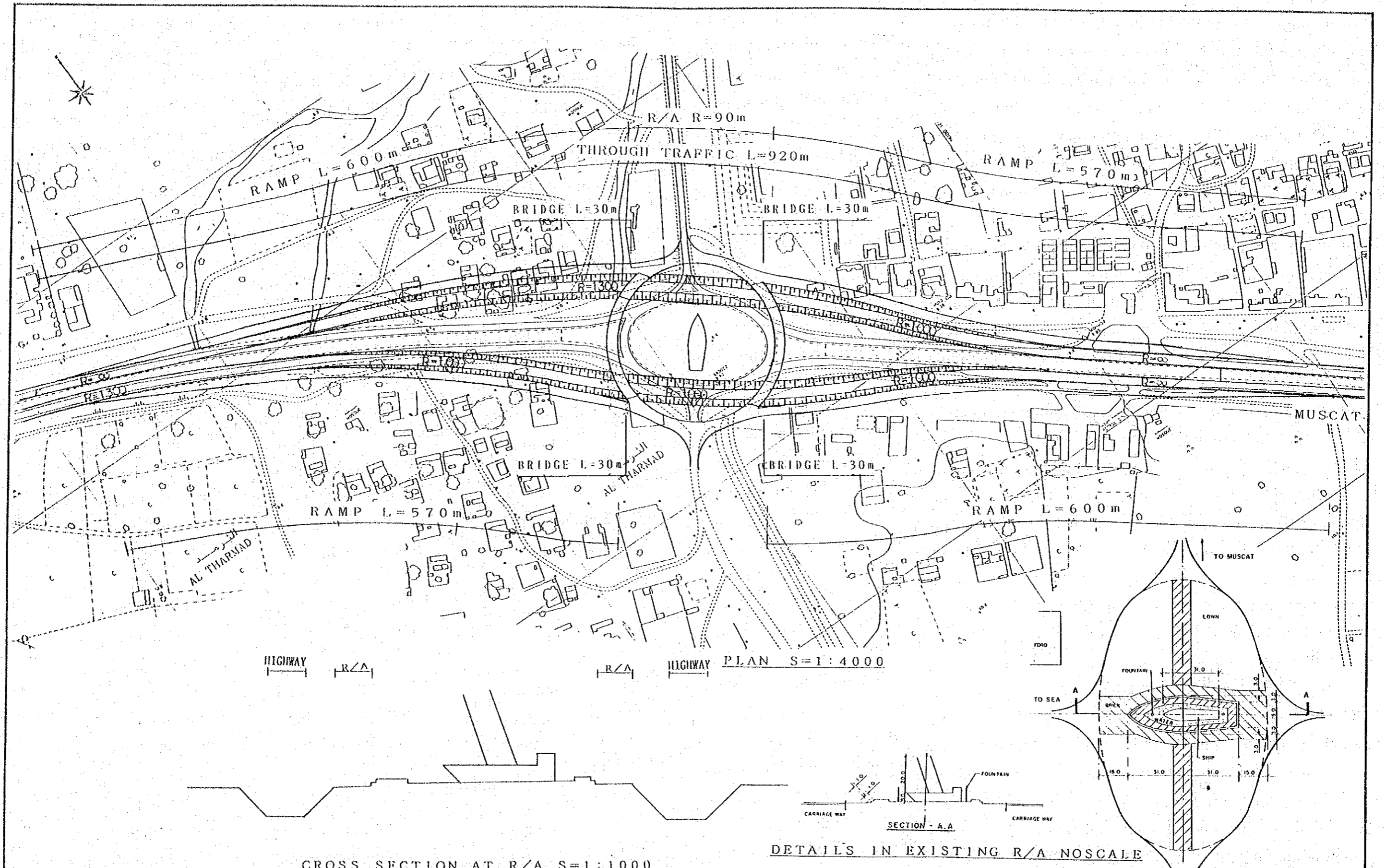
SECTION - X X

THE STUDY ON  
ROAD DEVELOPMENT PROJECT

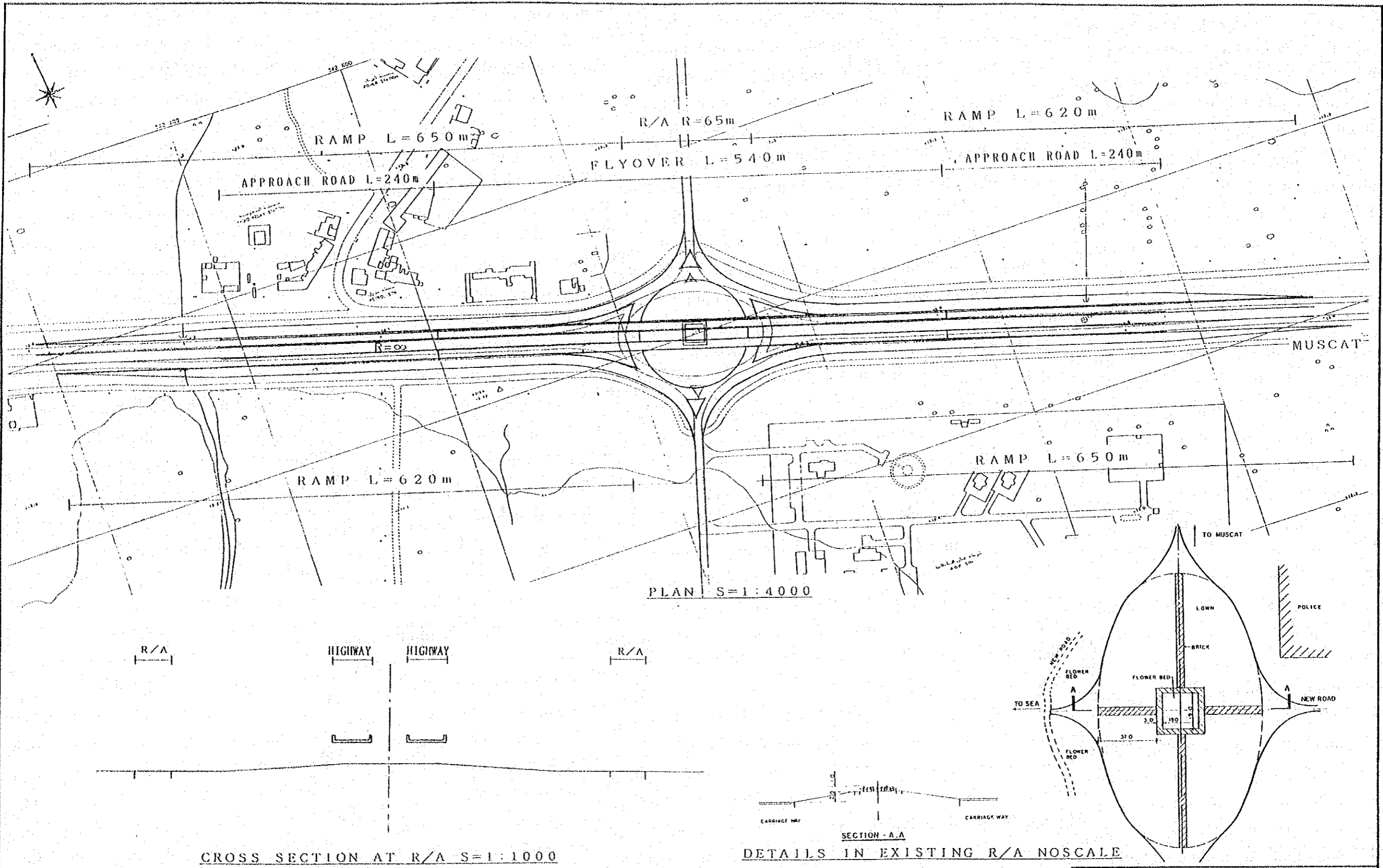
JAPAN INTERNATIONAL  
COOPERATION AGENCY

R/A4 MASNA'AH

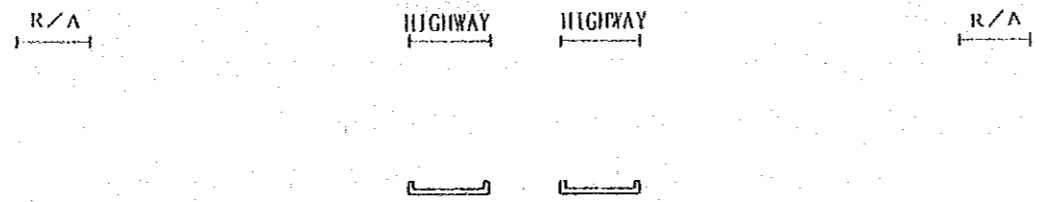
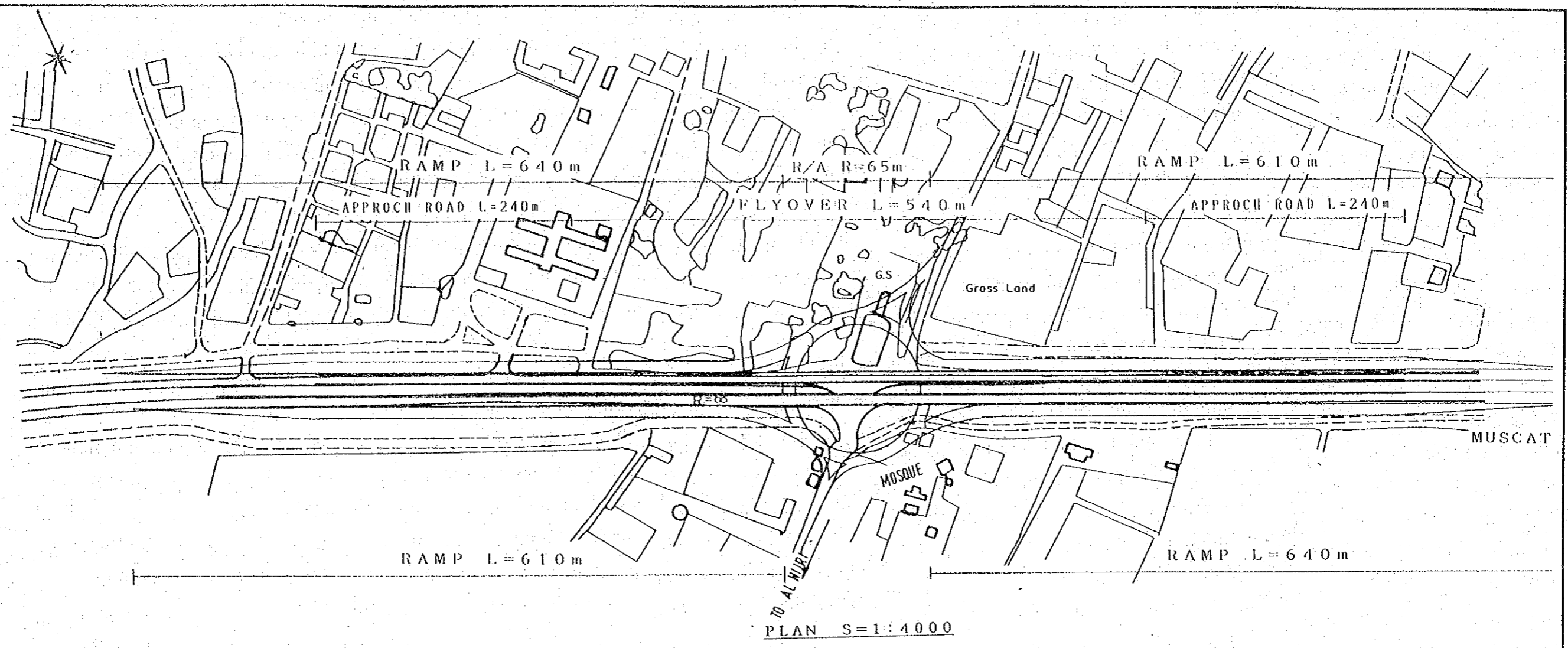
|                                       |  |
|---------------------------------------|--|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | APPENDIX(CONCEPTUAL DESIGN)<br>GENERAL PLAN OF R/A-4<br>(MASNA AH) |
| SHEET NO.                             | 53 / 61  |



|  |   |   |
|--|---|---|
| <b>THE STUDY ON<br/>ROAD DEVELOPMENT PROJECT</b> | <b>THE STUDY ON ROAD DEVELOPMENT PROJECT</b>      |   |
|  | <b>JAPAN INTERNATIONAL<br/>COOPERATION AGENCY</b> | <b>BATINAH HIGHWAY</b>  |
|  | <b>R/A6 WUDAM AS SAHIL</b>                        | <b>APPENDIX(CONCEPTUAL DESIGN)<br/>GENERAL PLAN OF R/A-6<br/>(WUDAM AS SAHIL)</b> |
|  |   | <b>SHEET NO. 54 / 61</b>  |



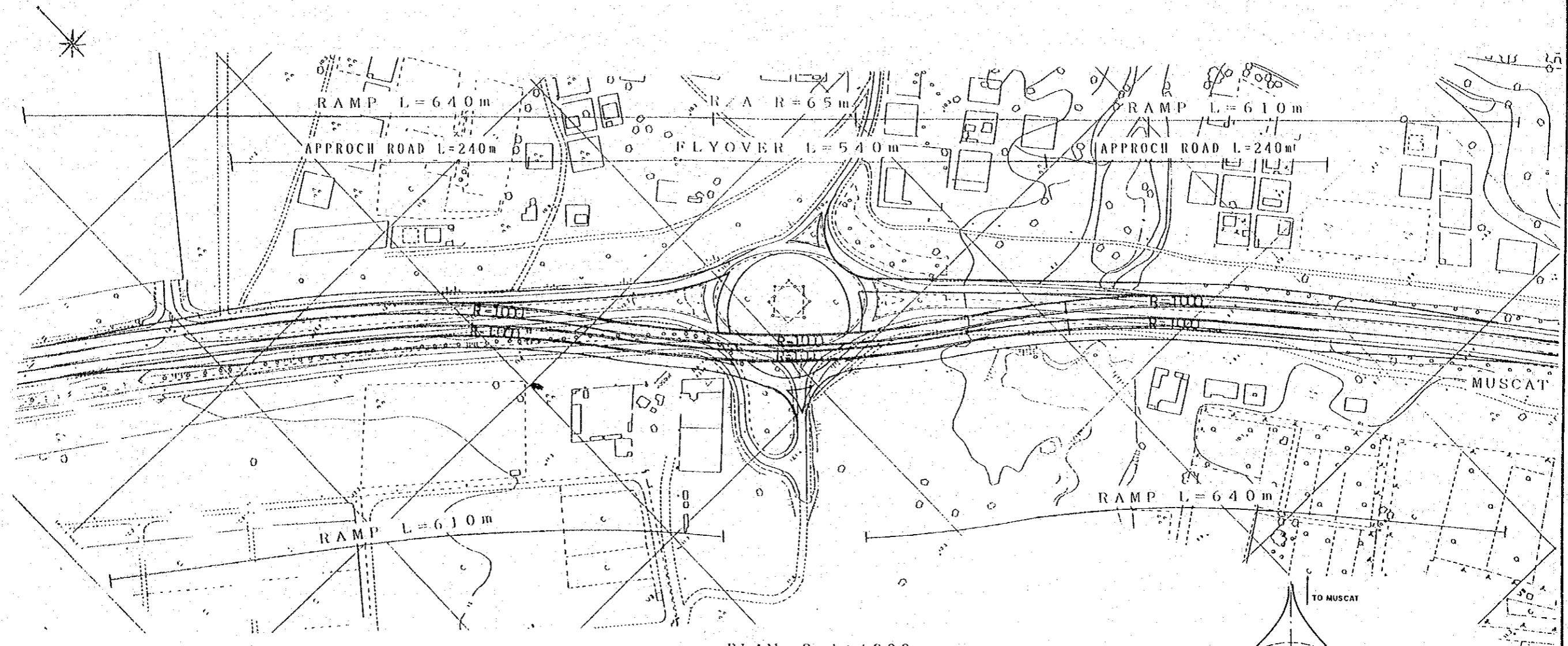
|   |  |  |  |   |
|---|--|--|--|---|
| <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p>  |  |  | <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p> |   |
|   |  |  | <p>ROUTE</p>                                 | <p>BATINAH HIGHWAY</p>  |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p> |  |  | <p>TITLE</p>                                 | <p>APPENDIX(CONCEPTUAL DESIGN)<br/>GENERAL PLAN OF R/A-7 (SUWEIQ)</p> |
|   |  |  | <p>SHEET NO.</p>                             | <p>55 / 61</p>  |
| <p>R/A7 SUWEIQ</p>                            |  |  |  |   |



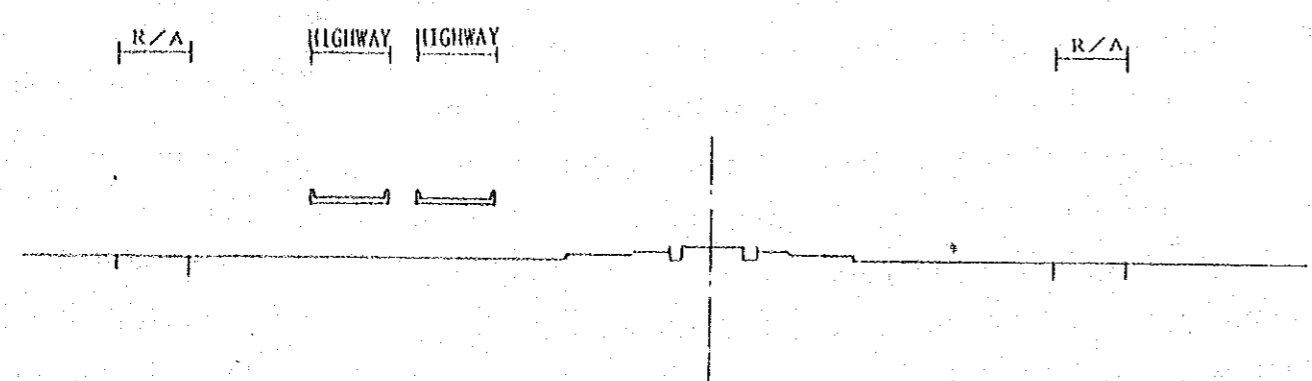
CROSS SECTION AT R/A S=1:1000

|  |   |             |                                       |  |
|--|---|-------------|---------------------------------------|--|
| THE STUDY ON<br>ROAD DEVELOPMENT PROJECT | JAPAN INTERNATIONAL<br>COOPERATION AGENCY | R/A9 HIJARI | THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
|  |   |             | ROUTE                                 | BATINAH HIGHWAY  |
|  |   |             | TITLE                                 | APPENDIX(CONCEPTUAL DESIGN)<br>GENERAL PLAN OF R/A-9<br>(AL HIJARI JUNCTION) |
|  |   |             | SHEET NO.                             | 56 / 61  |

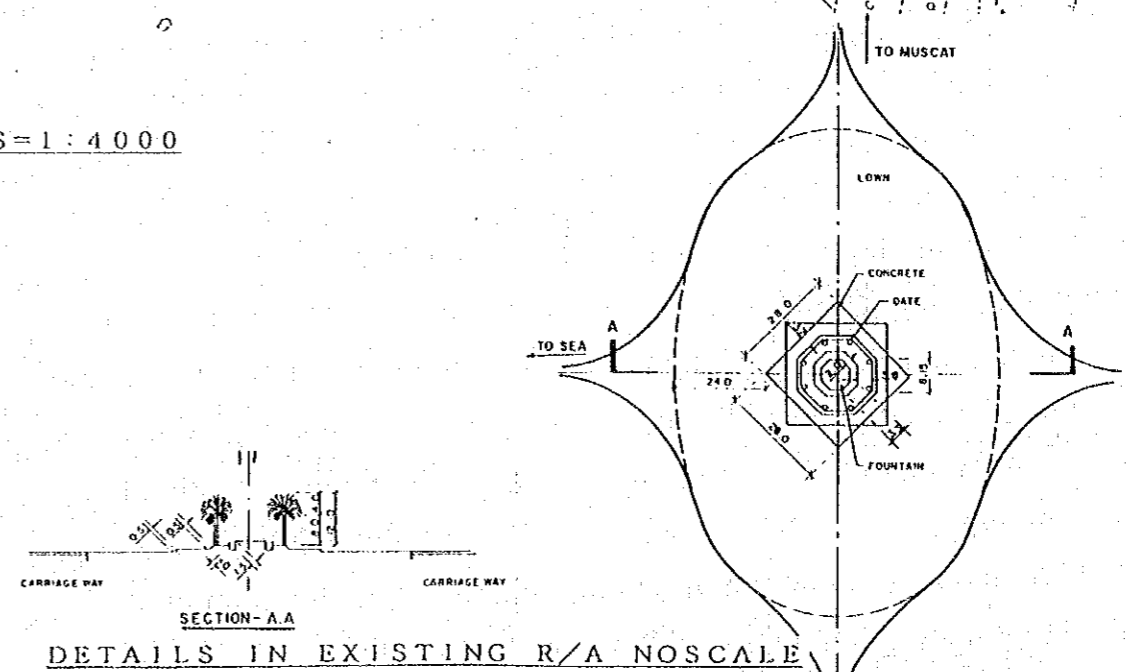




PLAN S=1:4000



CROSS SECTION AT R/A S=1:1000

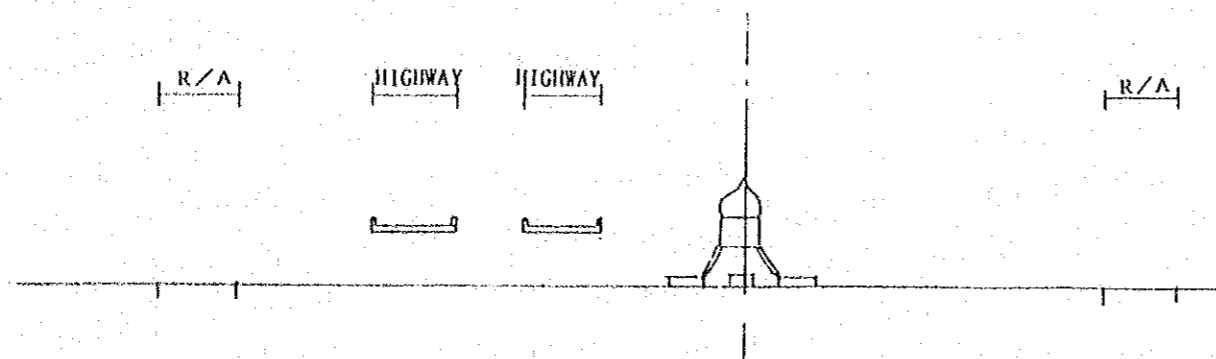
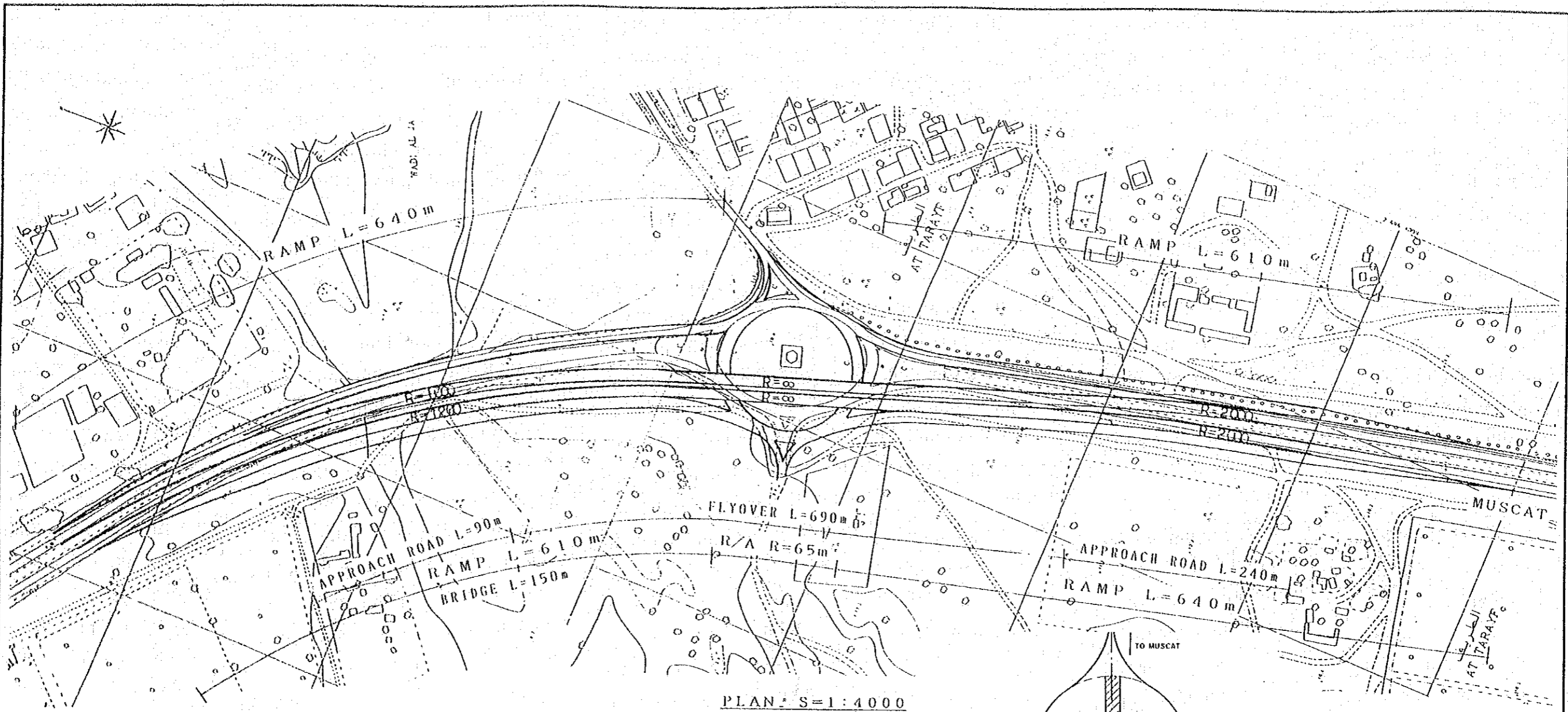


THE STUDY ON  
ROAD DEVELOPMENT PROJECT

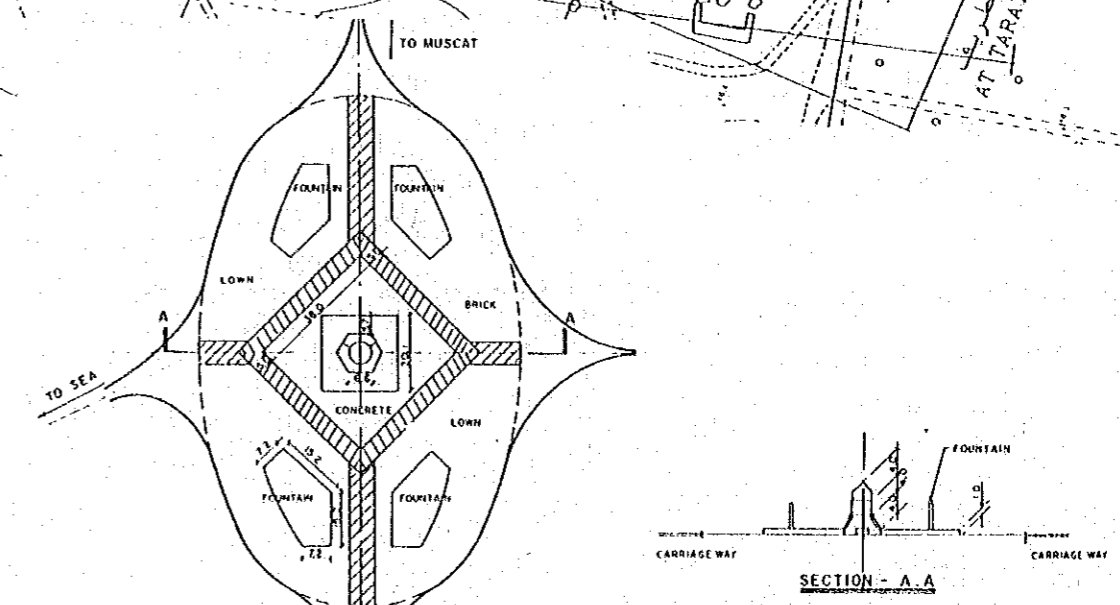
JAPAN INTERNATIONAL  
COOPERATION AGENCY

R/A11 SUWAIHRAH

|                                       |  |
|---------------------------------------|--|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | APPENDIX(CONCEPTUAL DESIGN)<br>GENERAL PLAN OF R/A-11<br>(SUWAIHRAH) |
| SHEET NO.                             | 57 / 61  |



CROSS SECTION AT R/A S=1:1000



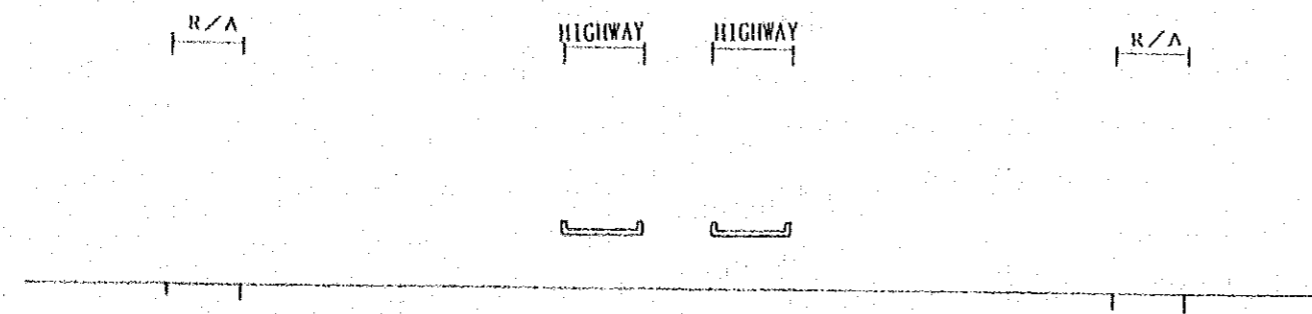
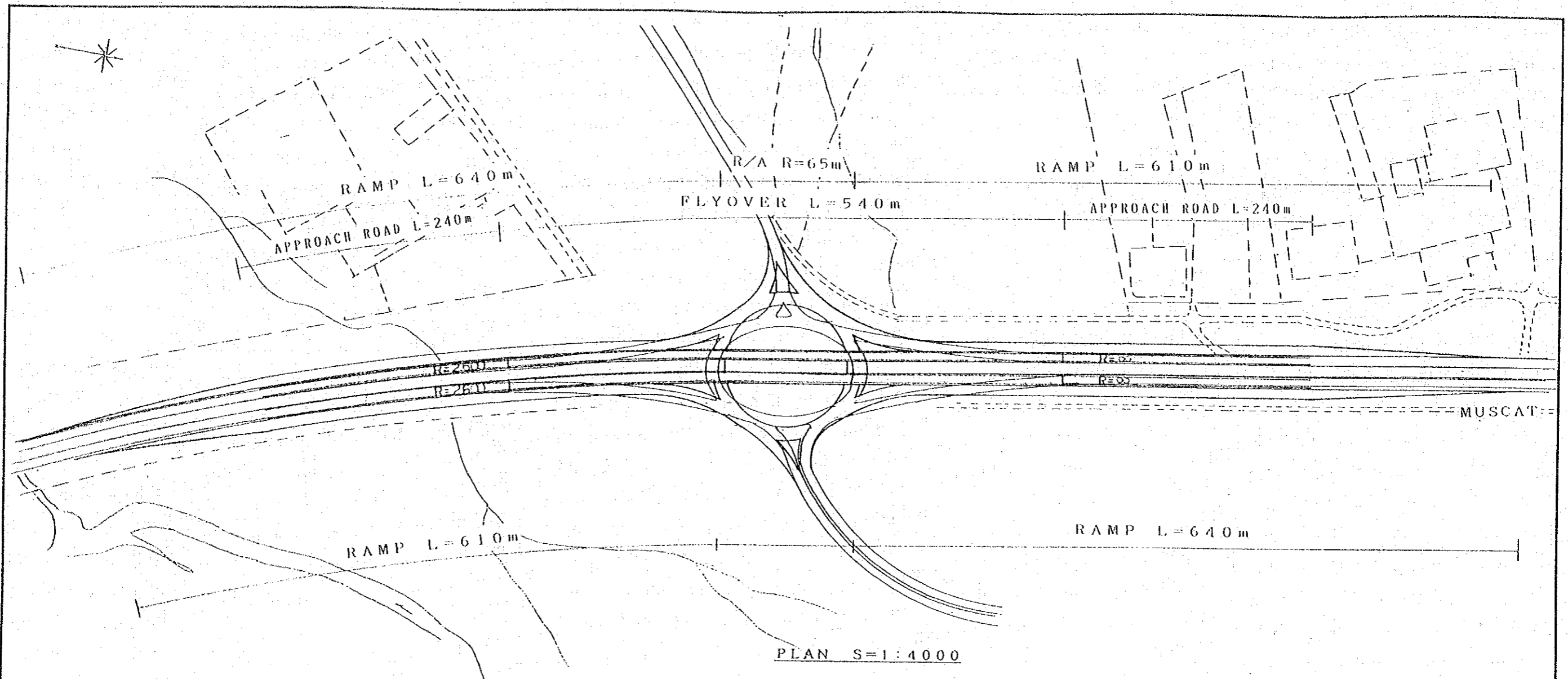
DETAILS IN EXISTING R/A NOSCALE

THE STUDY ON  
ROAD DEVELOPMENT PROJECT

JAPAN INTERNATIONAL  
COOPERATION AGENCY

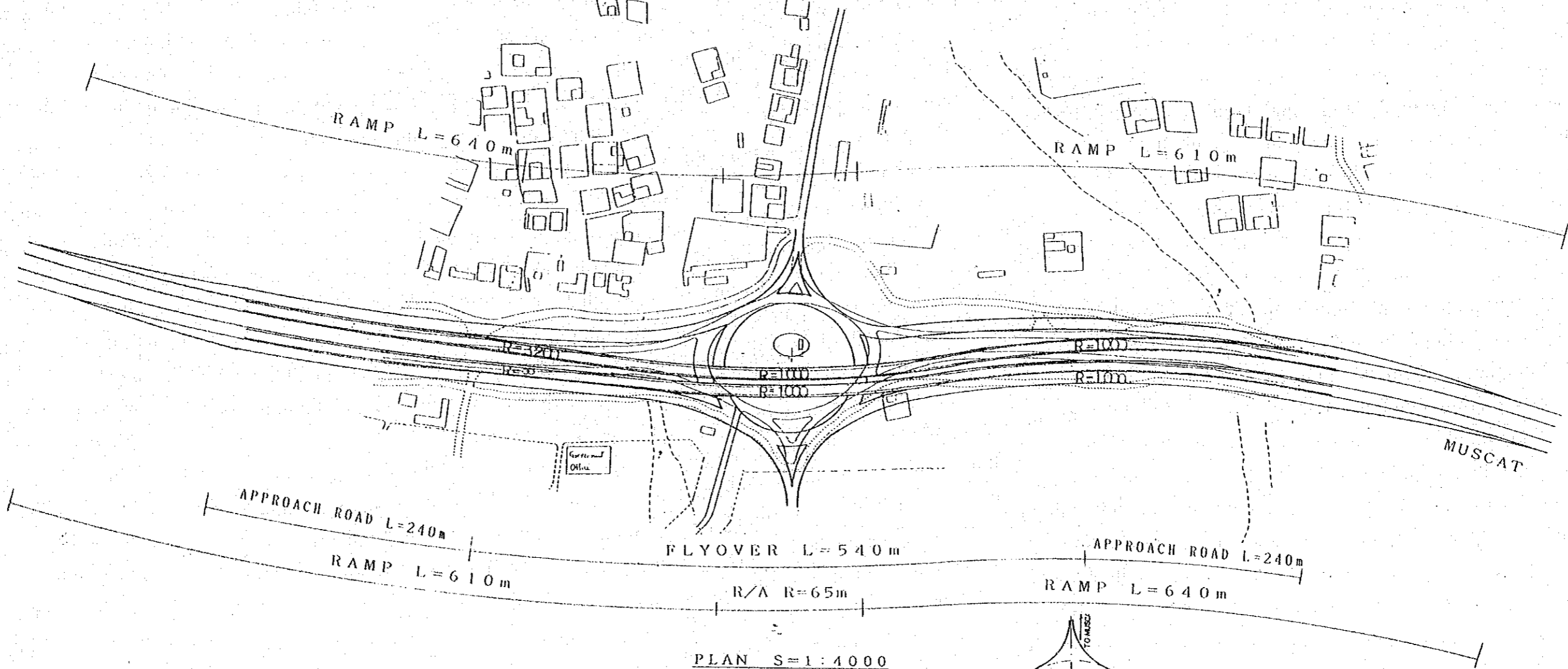
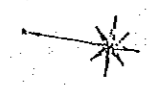
R/A13 SALLAN

|                                       |   |
|---------------------------------------|---|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |   |
| ROUTE                                 | BATINAH HIGHWAY   |
| TITLE                                 | APPENDIX(CONCEPTUAL DESIGN)<br>GENERAL PLAN OF R/A-13<br>(SALLAN) |
| SHEET NO.                             | 58 / 61   |

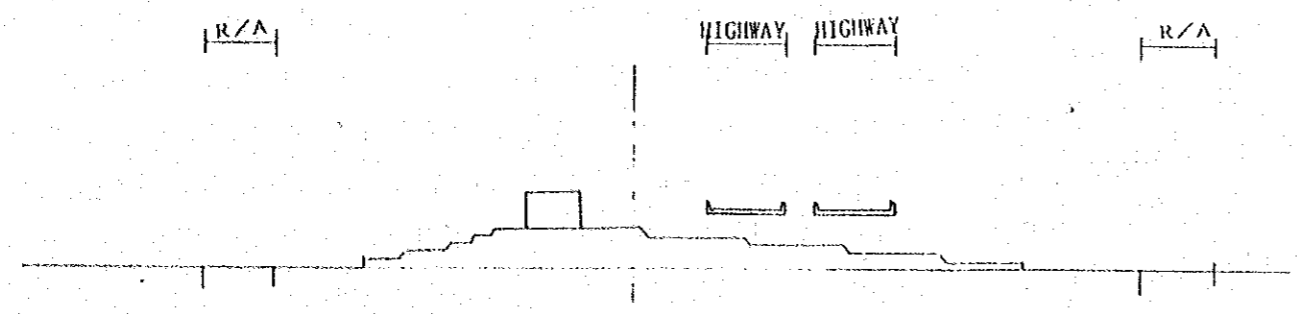


|                                       |  |             |
|---------------------------------------|--|-------------|
| THE STUDY ON ROAD DEVELOPMENT PROJECT | JAPAN INTERNATIONAL COOPERATION AGENCY | R/A15 MAJIS |
|---------------------------------------|--|-------------|

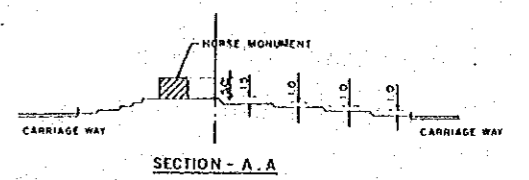
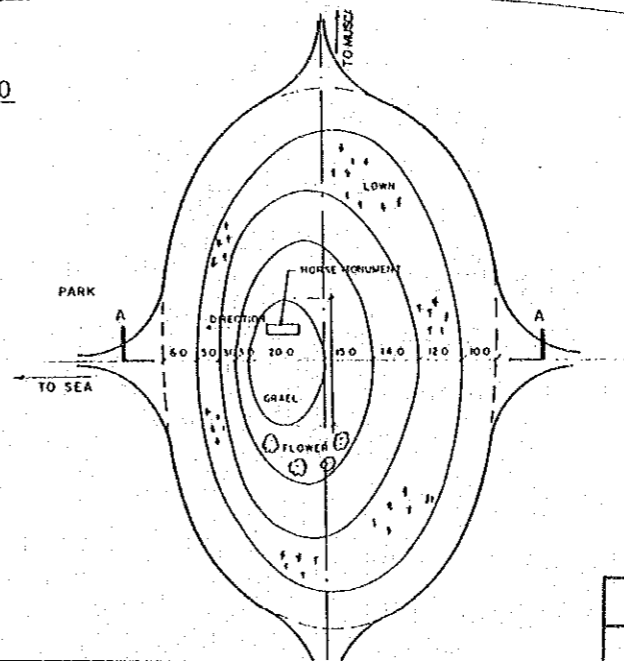
|                                       |  |
|---------------------------------------|--|
| THE STUDY ON ROAD DEVELOPMENT PROJECT |  |
| ROUTE                                 | BATINAH HIGHWAY  |
| TITLE                                 | APPENDIX (CONCEPTUAL DESIGN)<br>GENERAL PLAN OF R/A-15 (MAJIS) |
| SHEET NO.                             | 59 / 61  |



PLAN S=1:4000

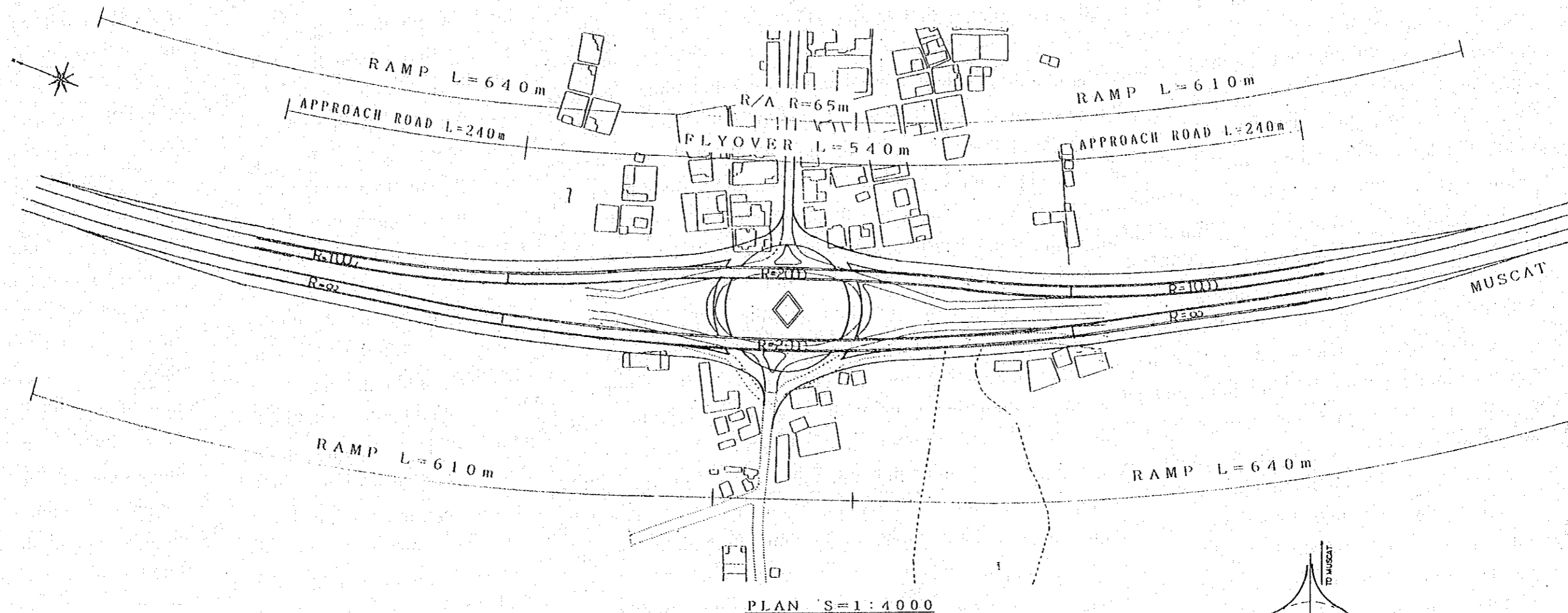


CROSS SECTION AT R/A S=1:1000

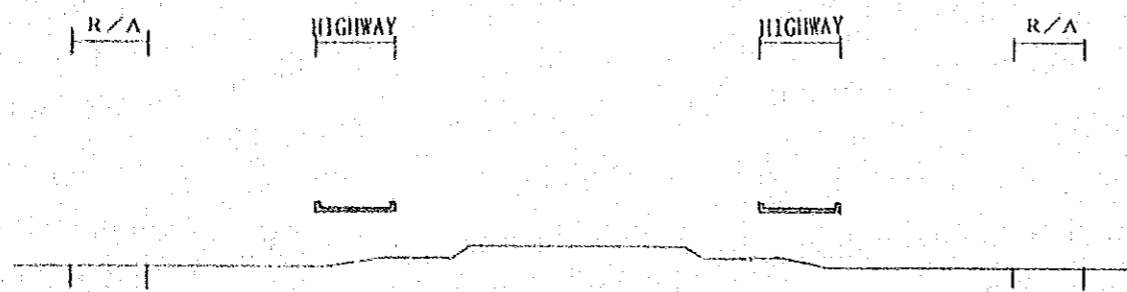


SECTION - A.A

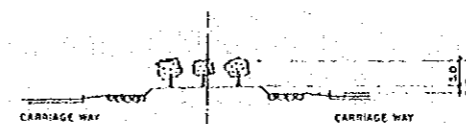
|  |   |                   |  |   |
|--|---|-------------------|--|---|
| <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p> | <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p> | <p>R/A16 LIWA</p> | <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p> |   |
|  |   |                   | <p>ROUTE</p>                                 | <p>BATINAH HIGHWAY</p>  |
|  |   |                   | <p>TITLE</p>                                 | <p>APPENDIX (CONCEPTUAL DESIGN)<br/>GENERAL PLAN OF R/A-16 (LIWA)</p> |
|  |   |                   | <p>SHEET NO.</p>                             | <p>60 / 61</p>  |



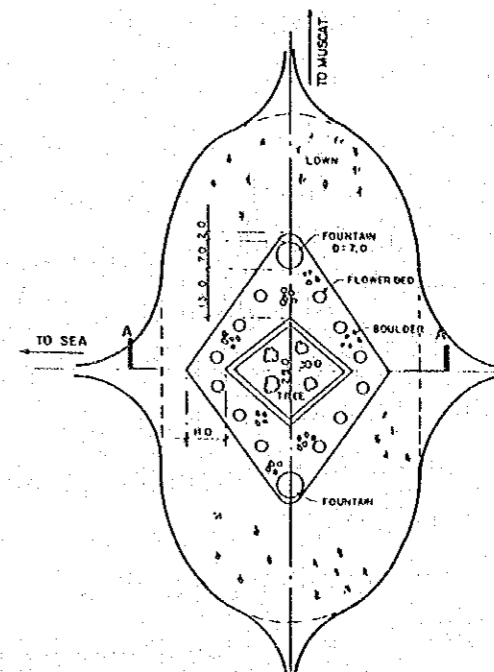
PLAN S=1:4000



CROSS SECTION AT R/A S=1:1000



SECTION - A - A



DETAILS IN EXISTING R/A NOSCALE

|   |  |  |  |
|---|--|--|--|
| <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p>  |  | <p>THE STUDY ON ROAD DEVELOPMENT PROJECT</p> |  |
|   |  | <p>ROUTE</p>                                 | <p>BATINAH HIGHWAY</p>   |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p> |  | <p>TITLE</p>                                 | <p>APPENDIX(CONCEPTUAL DESIGN)<br/>GENERAL PLAN OF R/A-17<br/>(SHINAS)</p> |
|   |  | <p>SHEET NO.</p>                             | <p>61 / 61</p>   |
| <p>R/A17 SHINAS</p>                           |  |  |  |

JICA