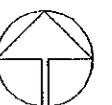
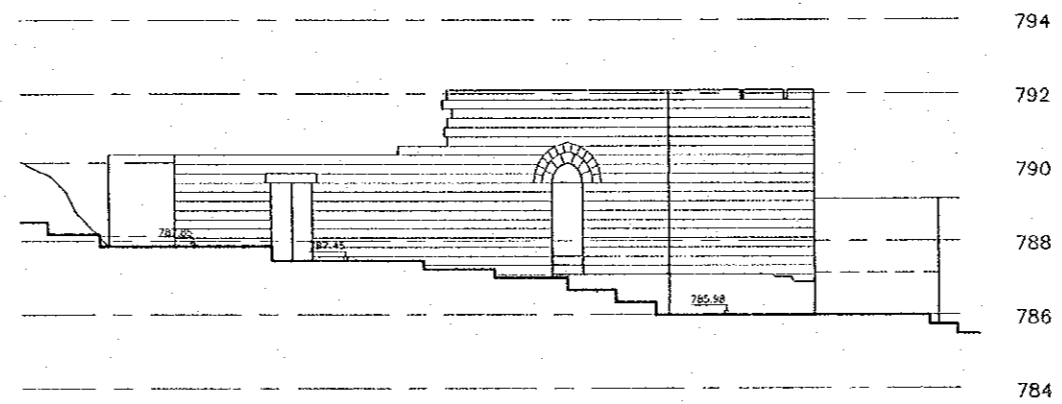
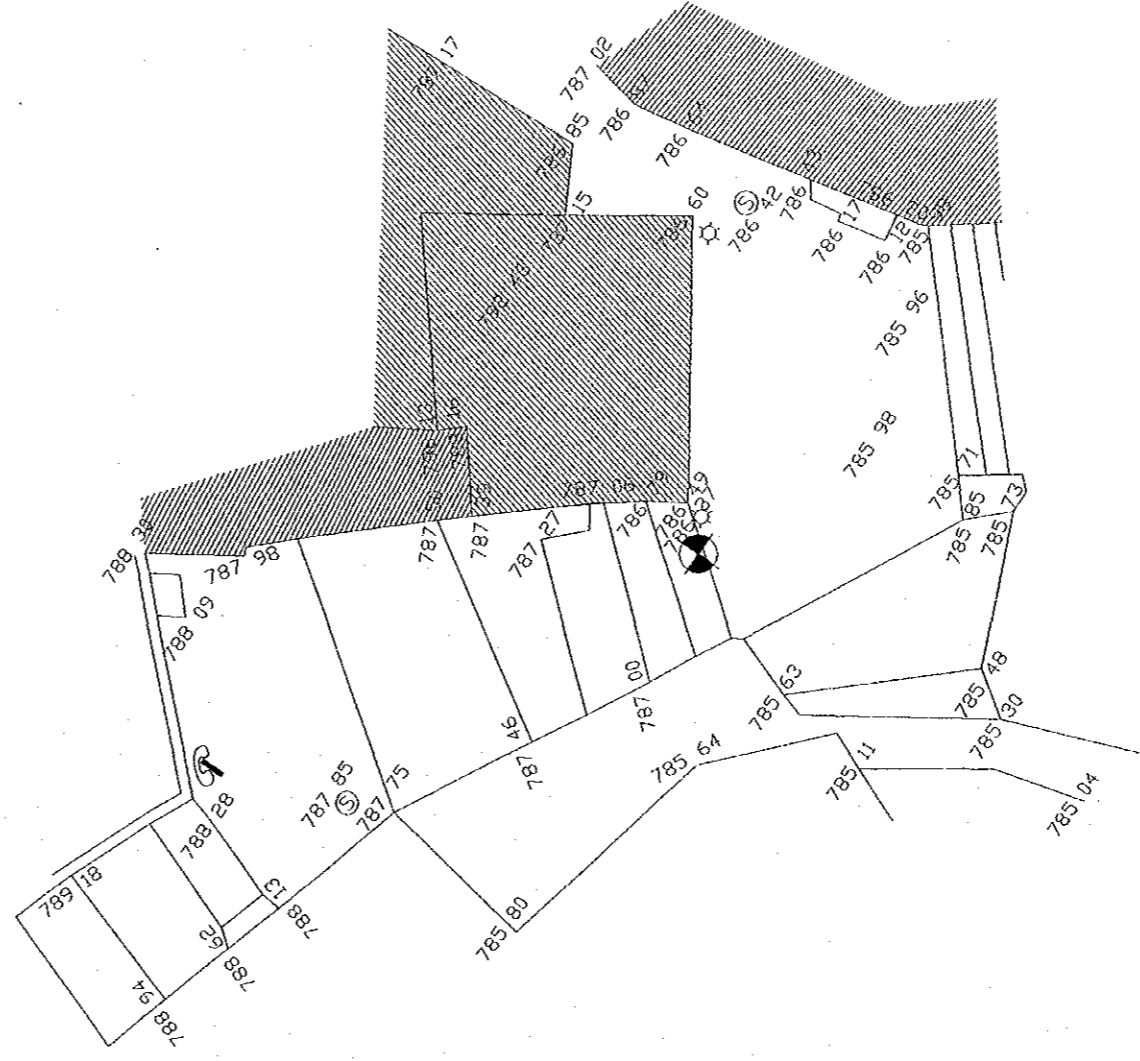
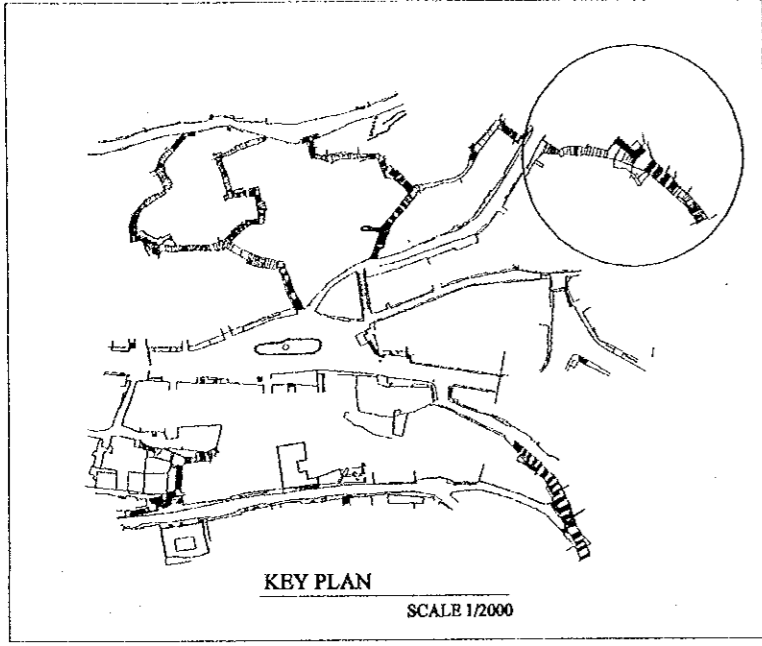


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Architects, Engineers

DATE: JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
**Rummanat Stairway**  
Existing Building Elevation

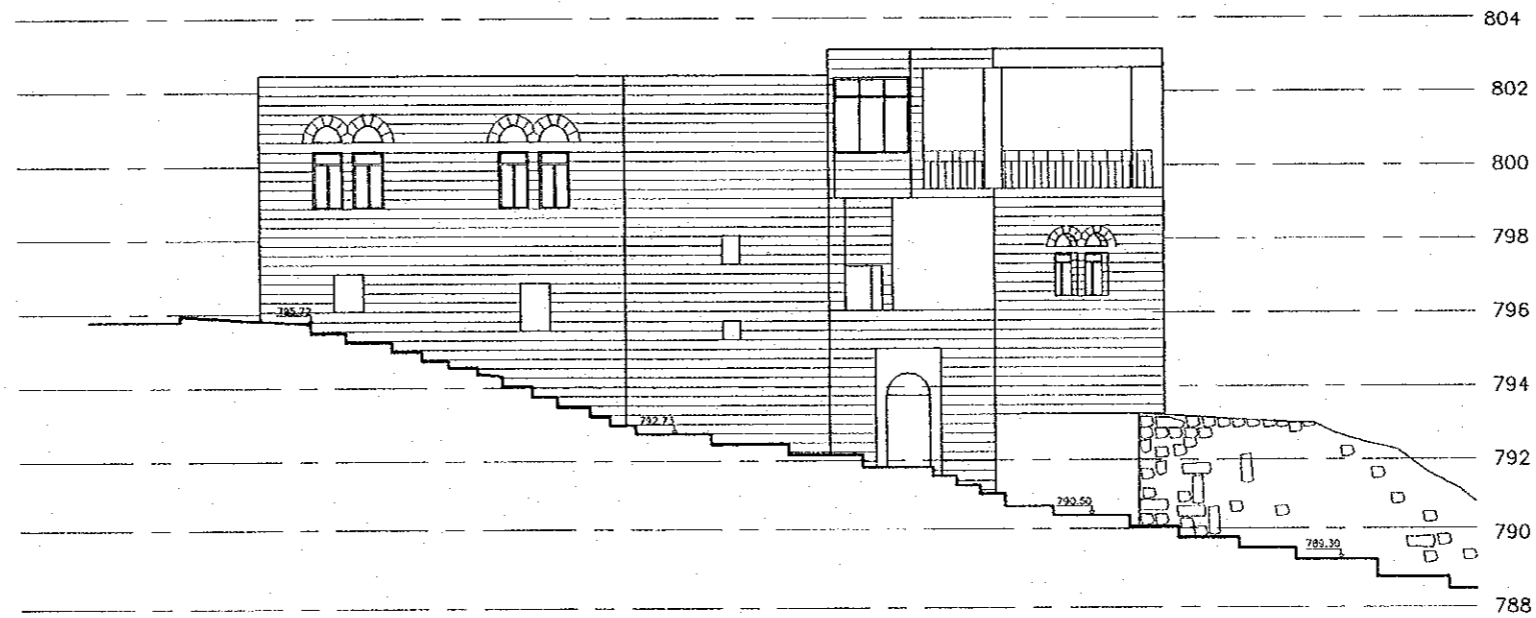
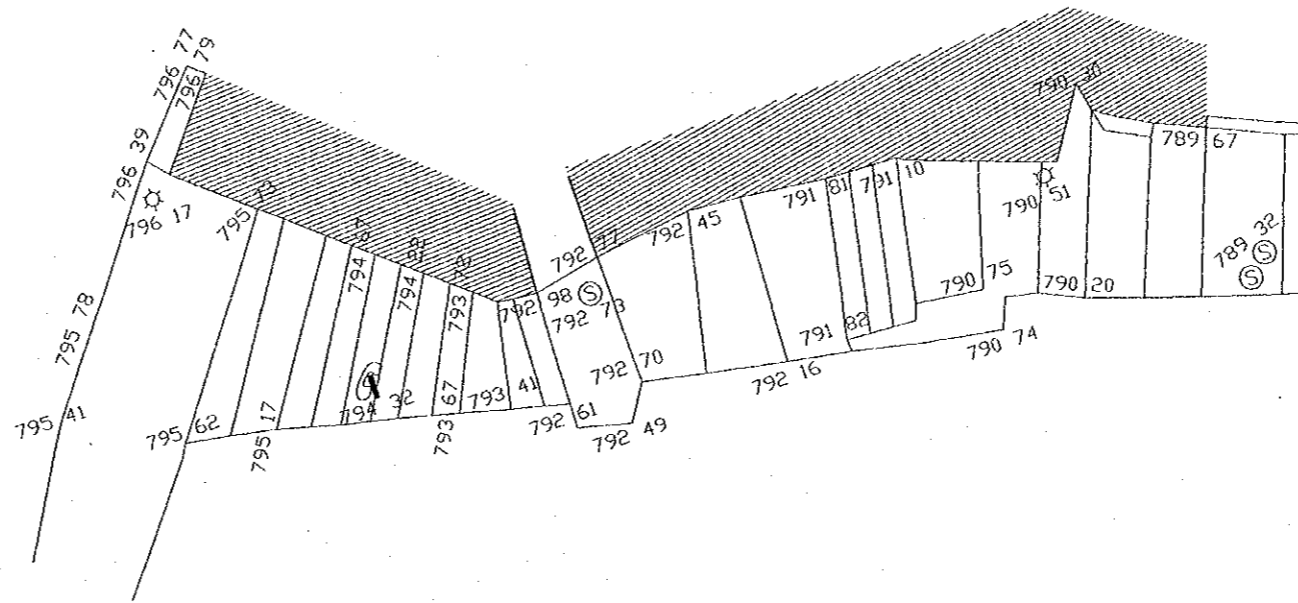
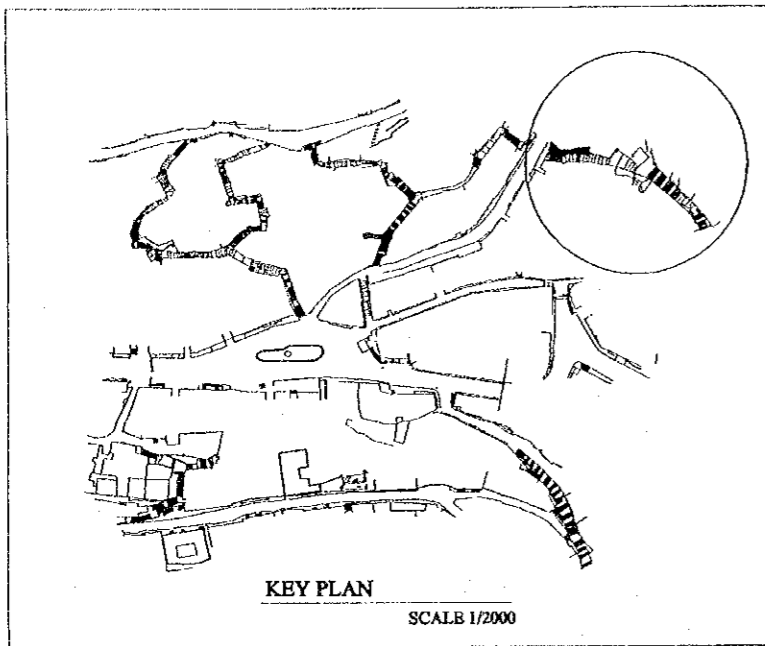
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Tourism Sector Development Project  
In the Hashemite Kingdom of Jordan

The Government of  
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The Ministry of Tourism and Antiquities  
The Ministry of Planning

Sub-Project:  
Historic Old Salt Development

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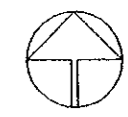
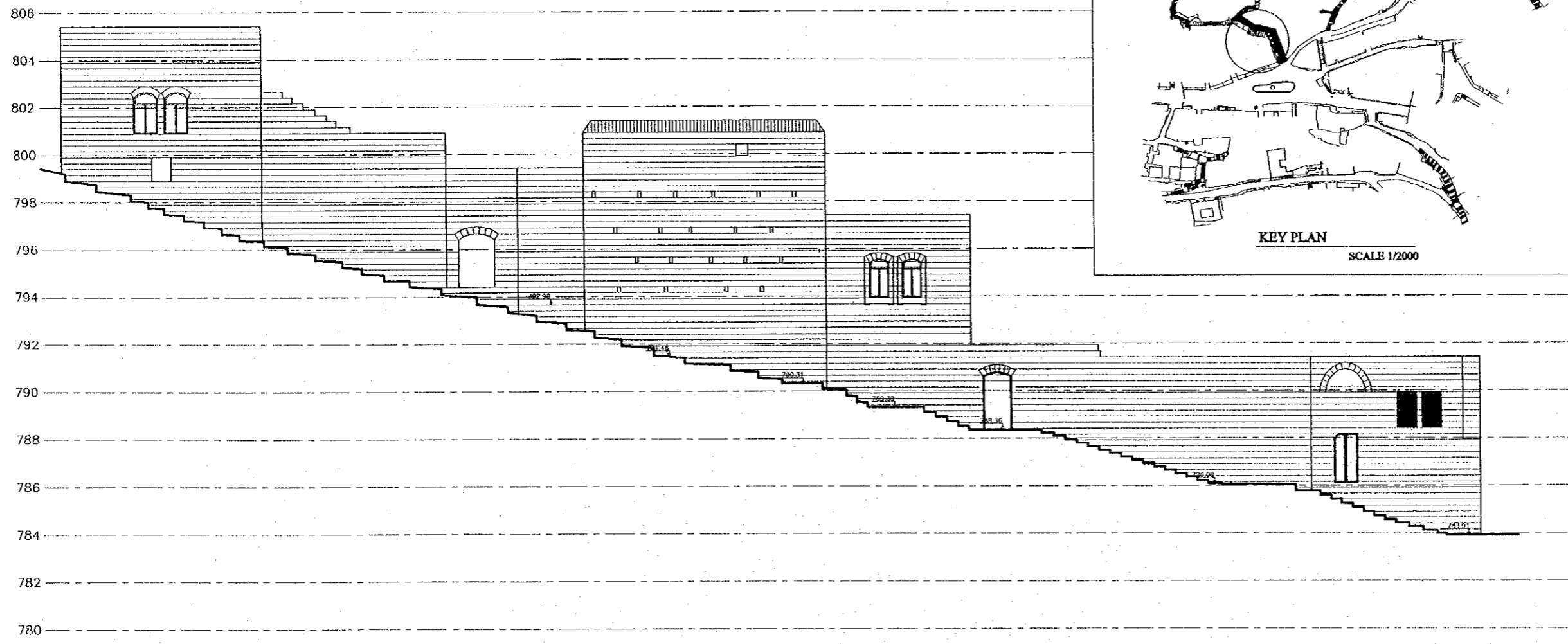
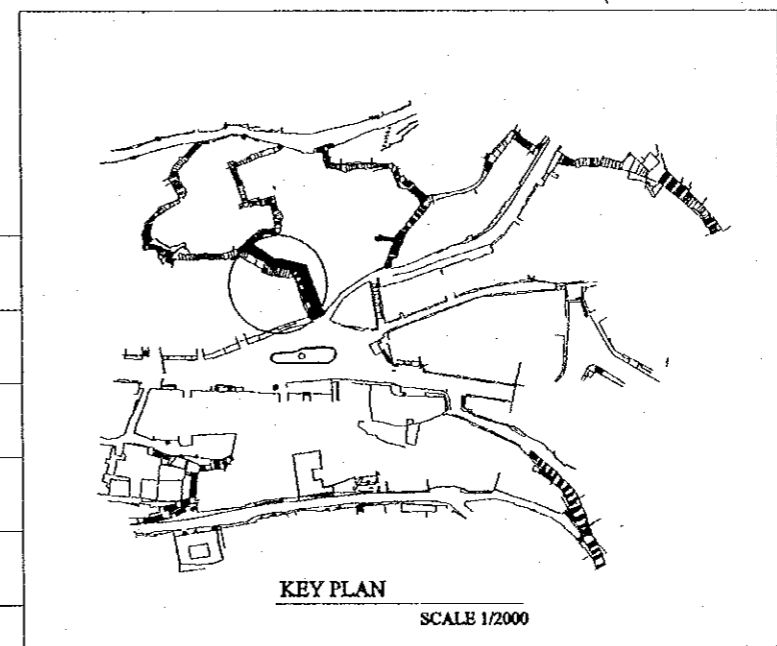
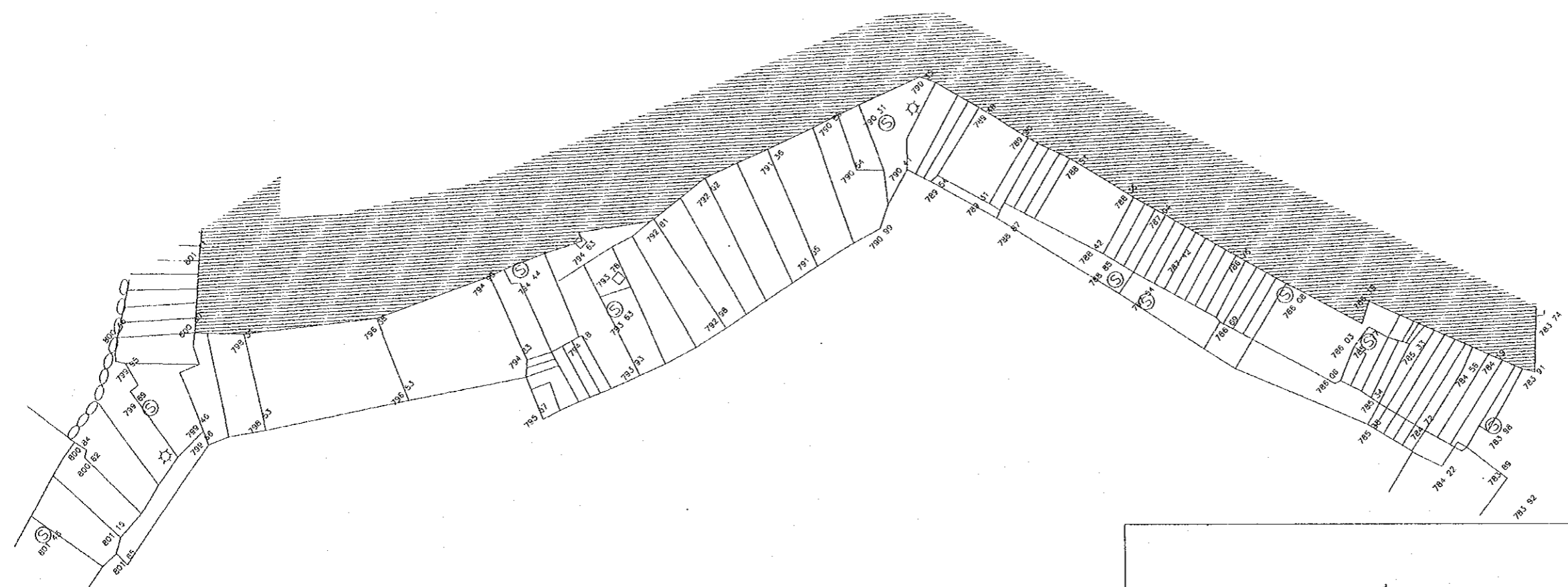
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**TIBAH** Consultants  
Architects, Engineers  
*مهندسين معماريين*

DATE MARCH - 31 / 2000

Tourist Trails  
Drawing Title:  
Rummanat Stairway  
Existing Building Elevation

Scale: 1:100 Drawing No.: SD.ATS-02

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مهندسين معماريين ومهندسين ميكانيكيين

DATE: JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
Haddaden stairway - 1A  
Existing Building Elevation

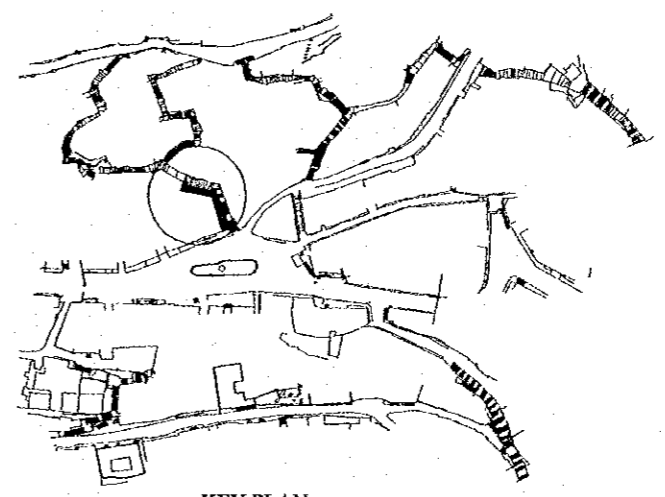
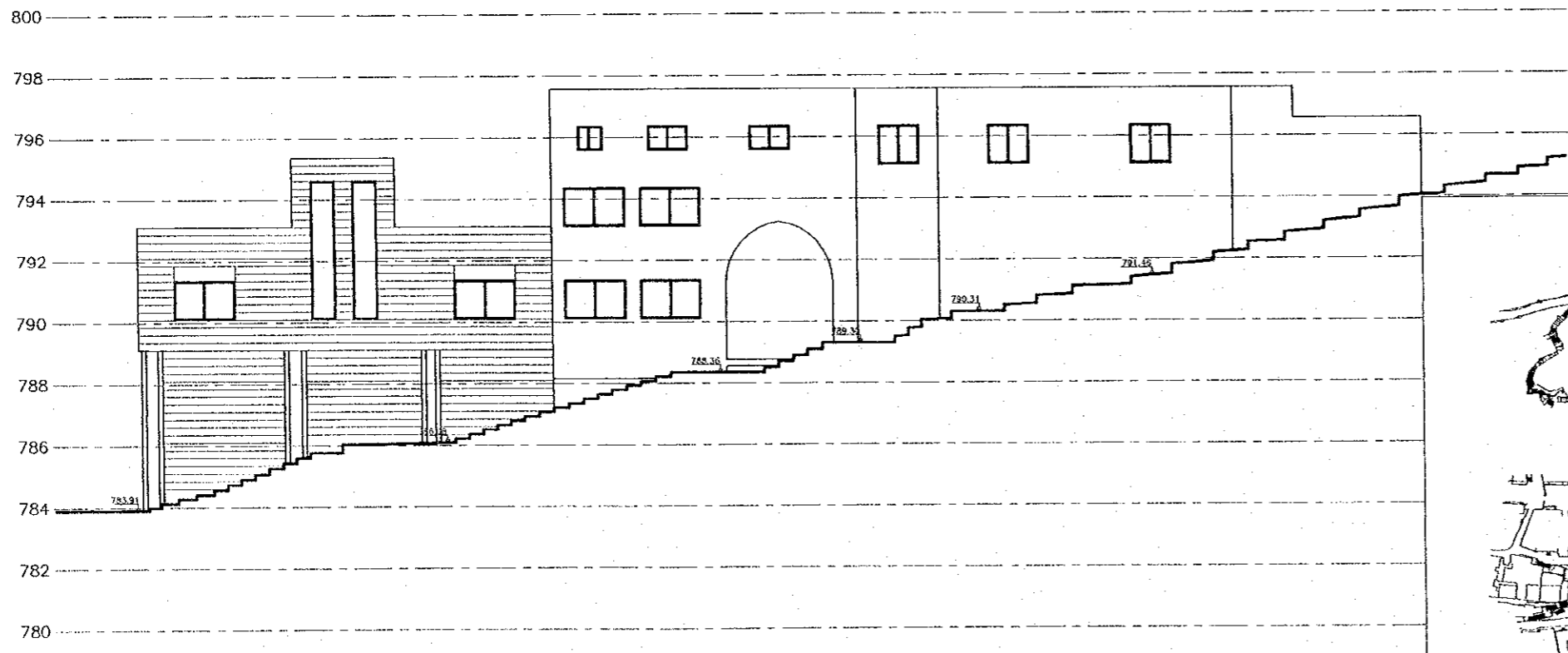
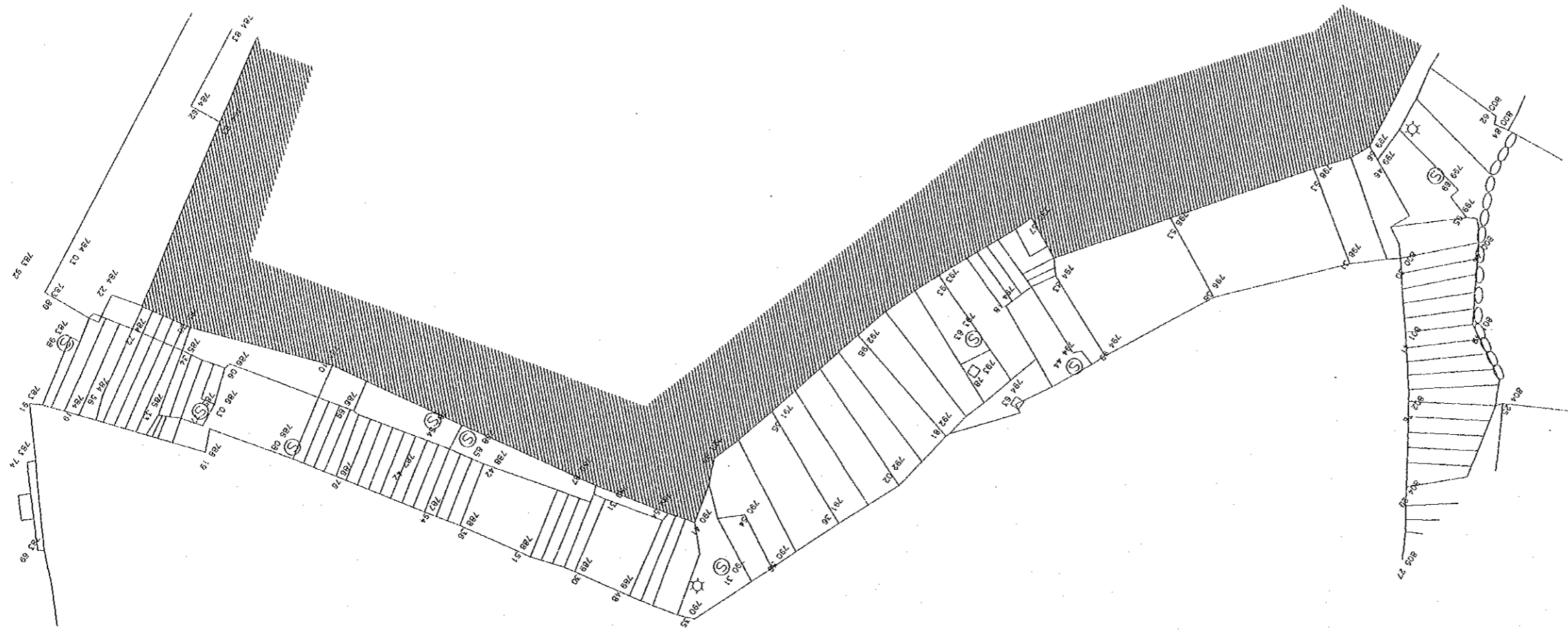
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Tourism Sector Development Project  
in the Hashemite Kingdom of Jordan

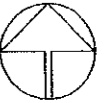
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The Ministry of Planning

Sub-Project:  
Historic Old Salt Development

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DATE: JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
Haddaden stairway - 1B  
Existing Building Elevation

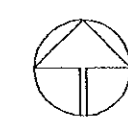
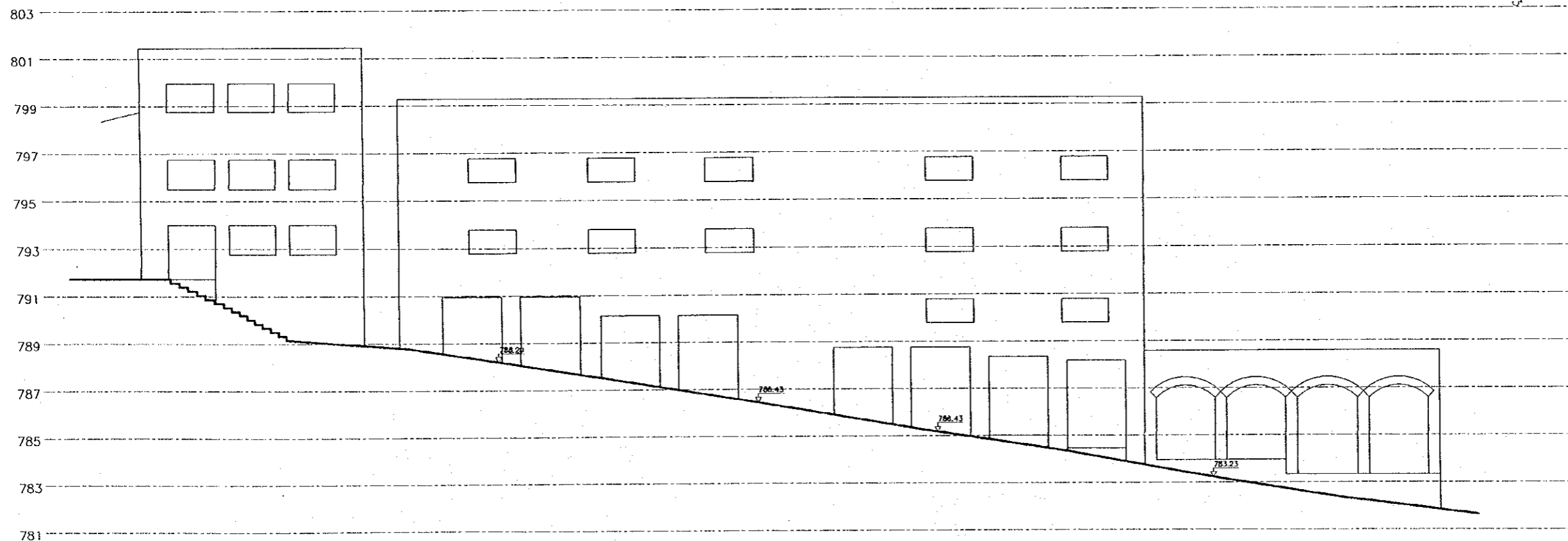
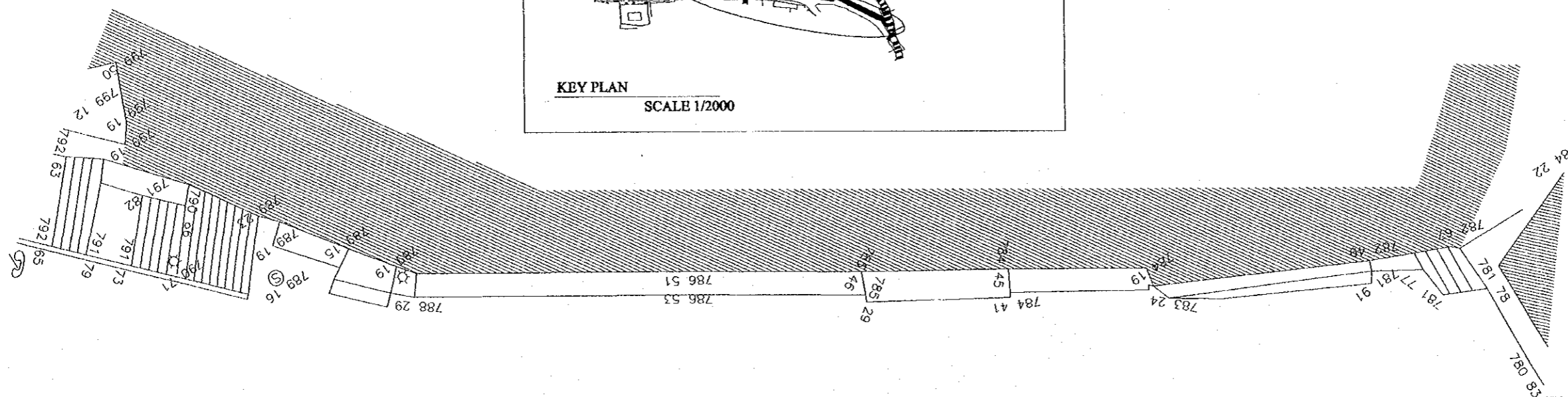
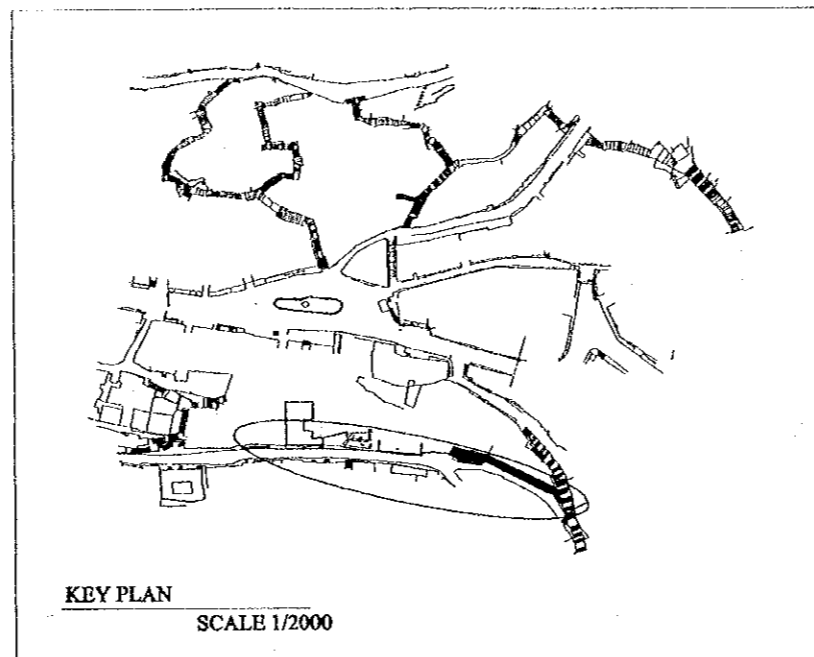
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Drawing No.: SD.ATS-04

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Architects, Engineers

DATE: JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
Lower Jadaa Street-A  
Existing Building Elevation

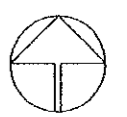
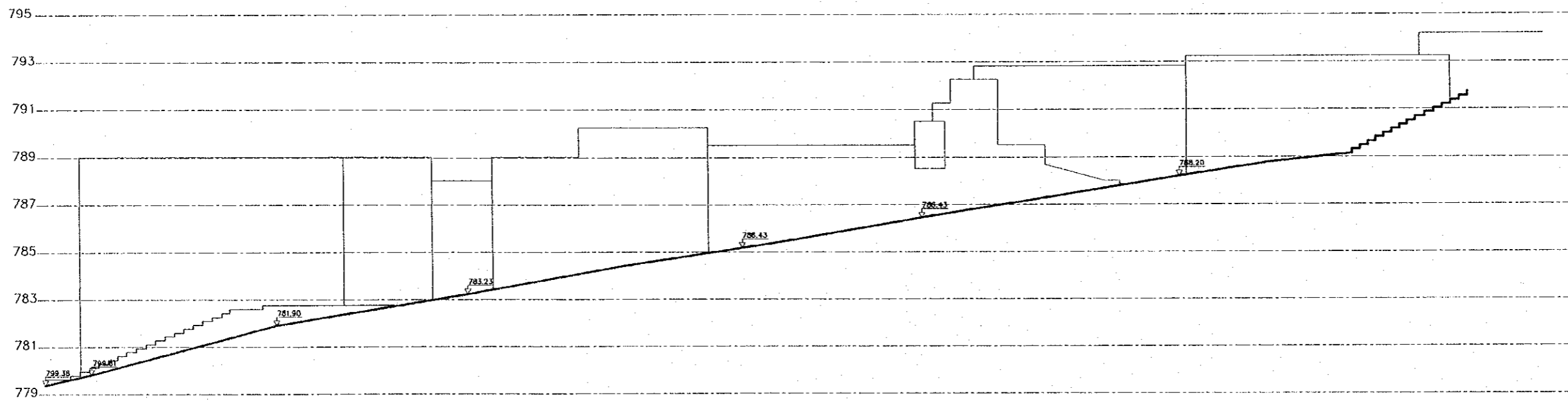
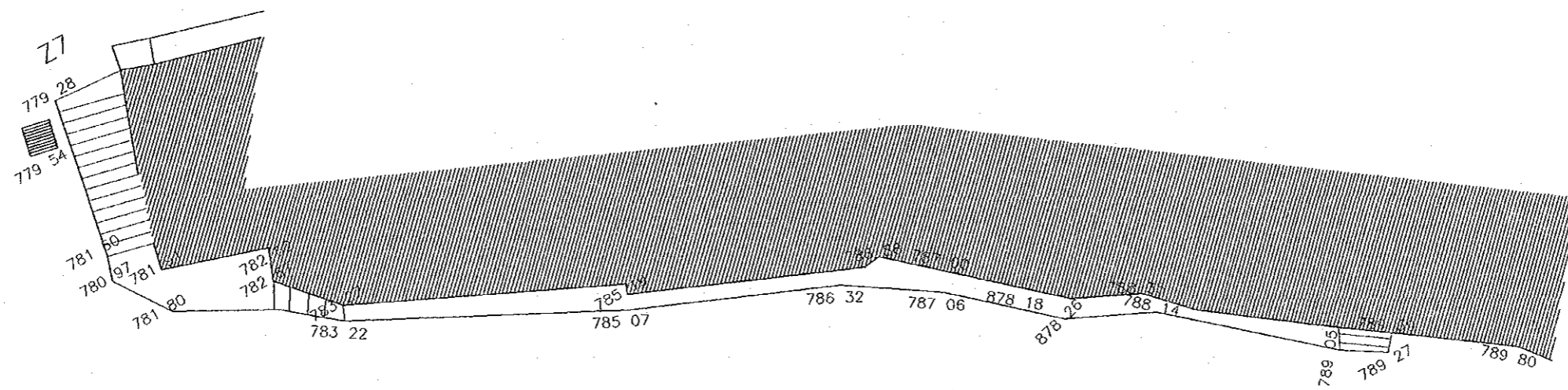
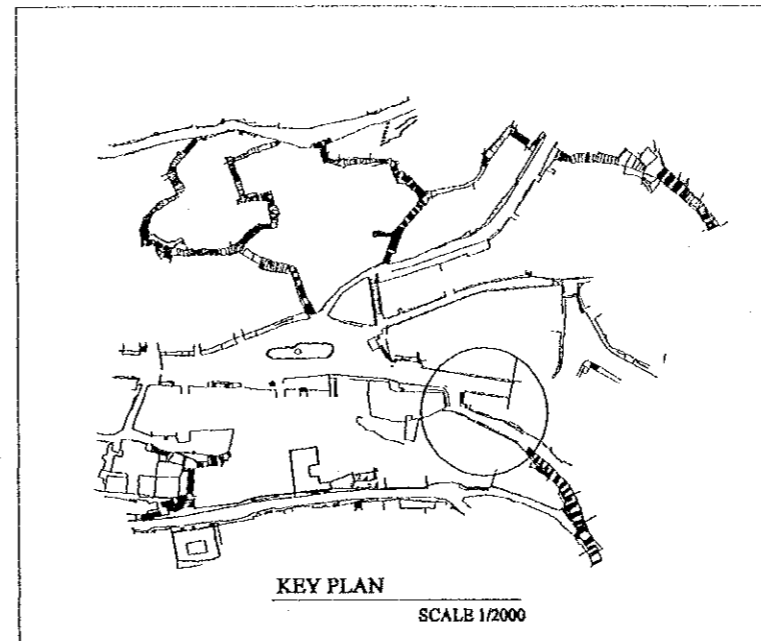
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Drawing No.: SD.ATS-05

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Sub-Project:  
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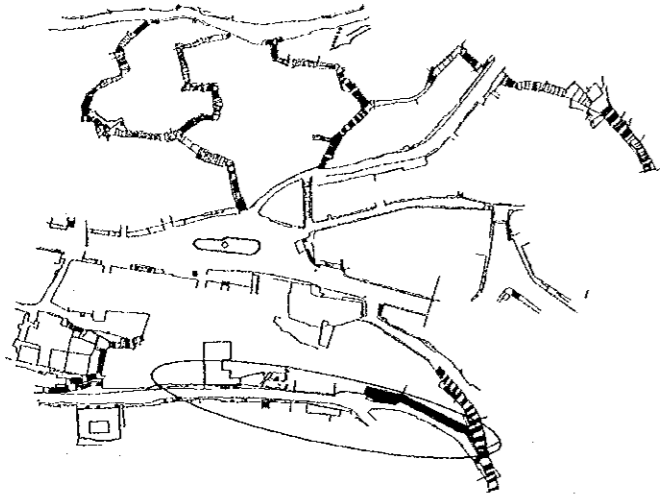


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Architects, Engineers  
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DATE JUNE - 10 / 2000

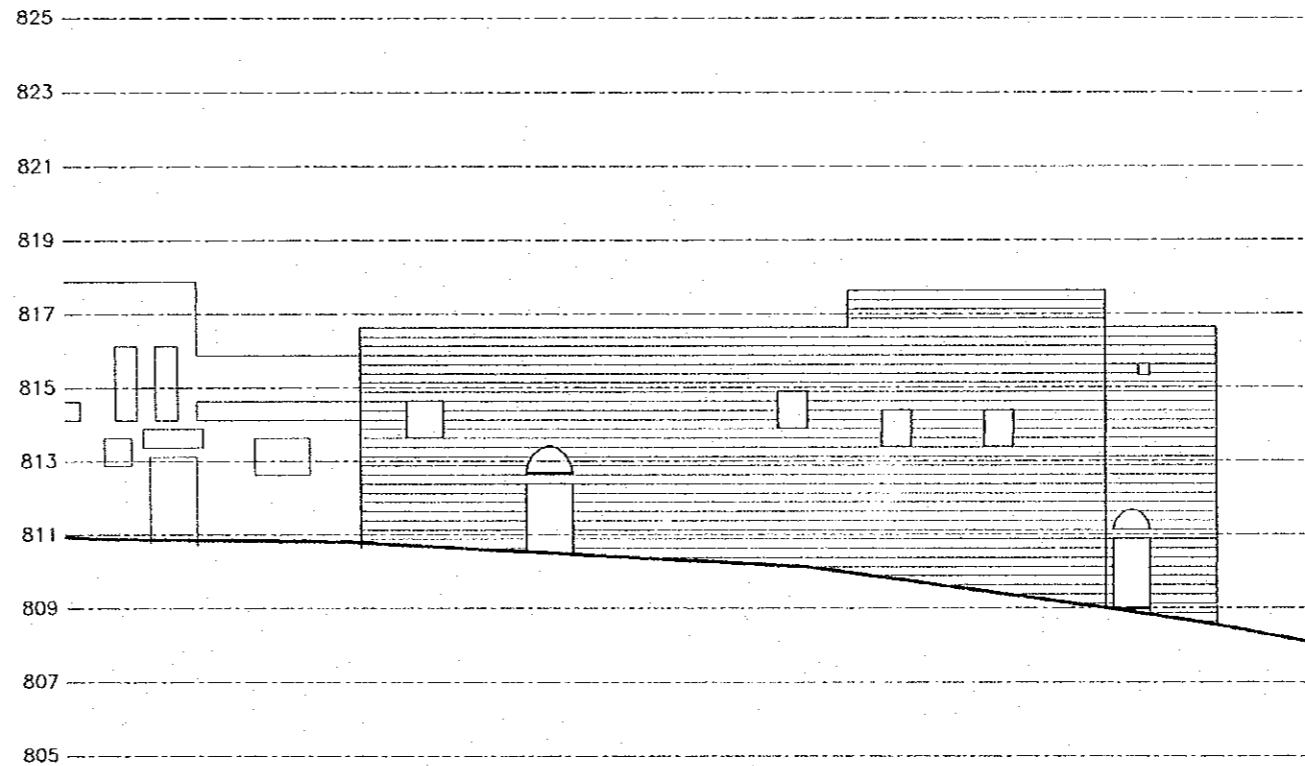
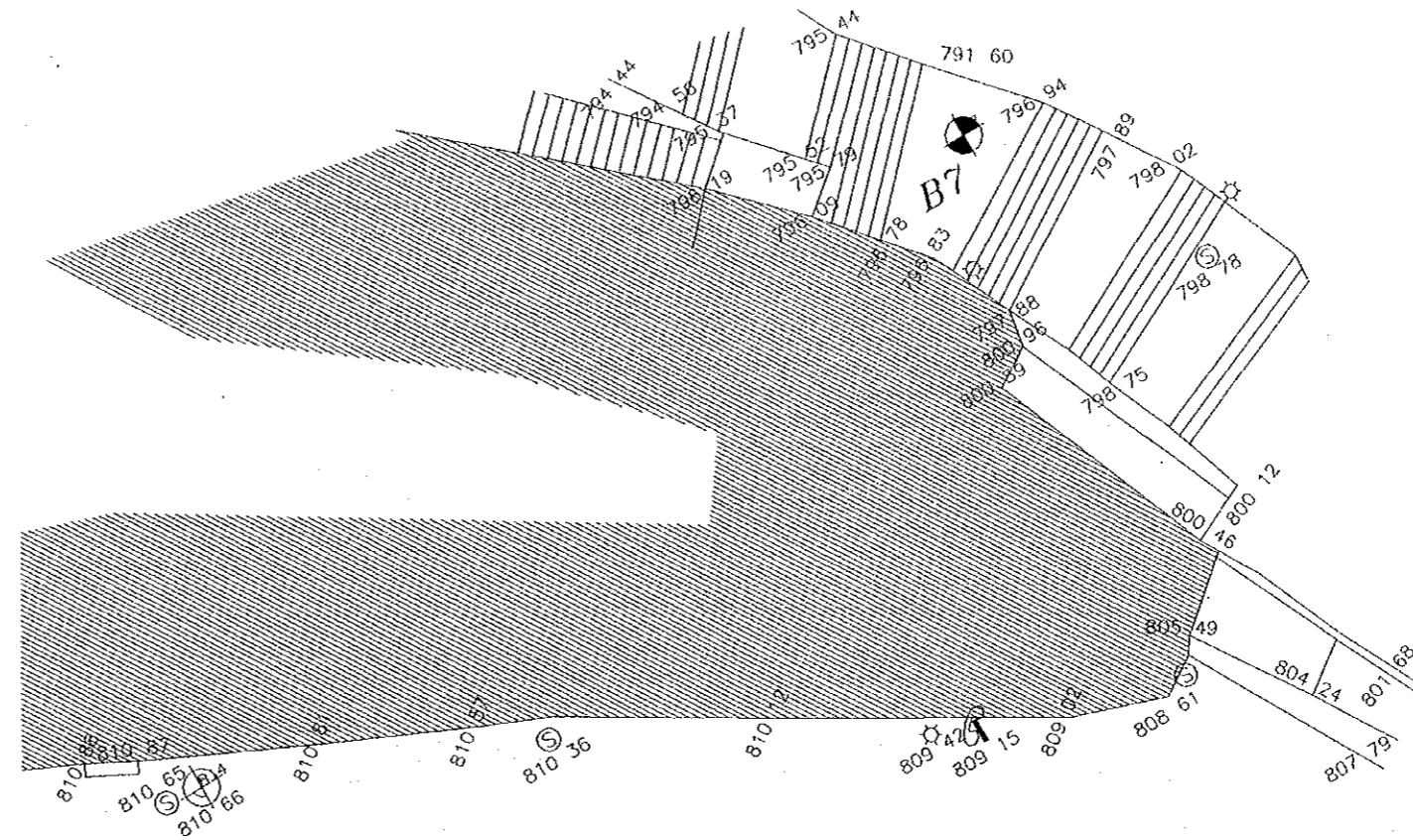
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Drawing Title:  
Lower Jadaa Street-B  
Existing Building Elevation

Scale: 1:100 Drawing No.: SD.ATS-06



KEY PLAN

SCALE 1/2000

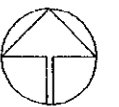


Tourism Sector Development Project  
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Sub-Project:  
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Architects, Engineers

DATE | JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
Upper Jadaa Street A1  
Existing Building Elevation

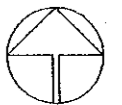
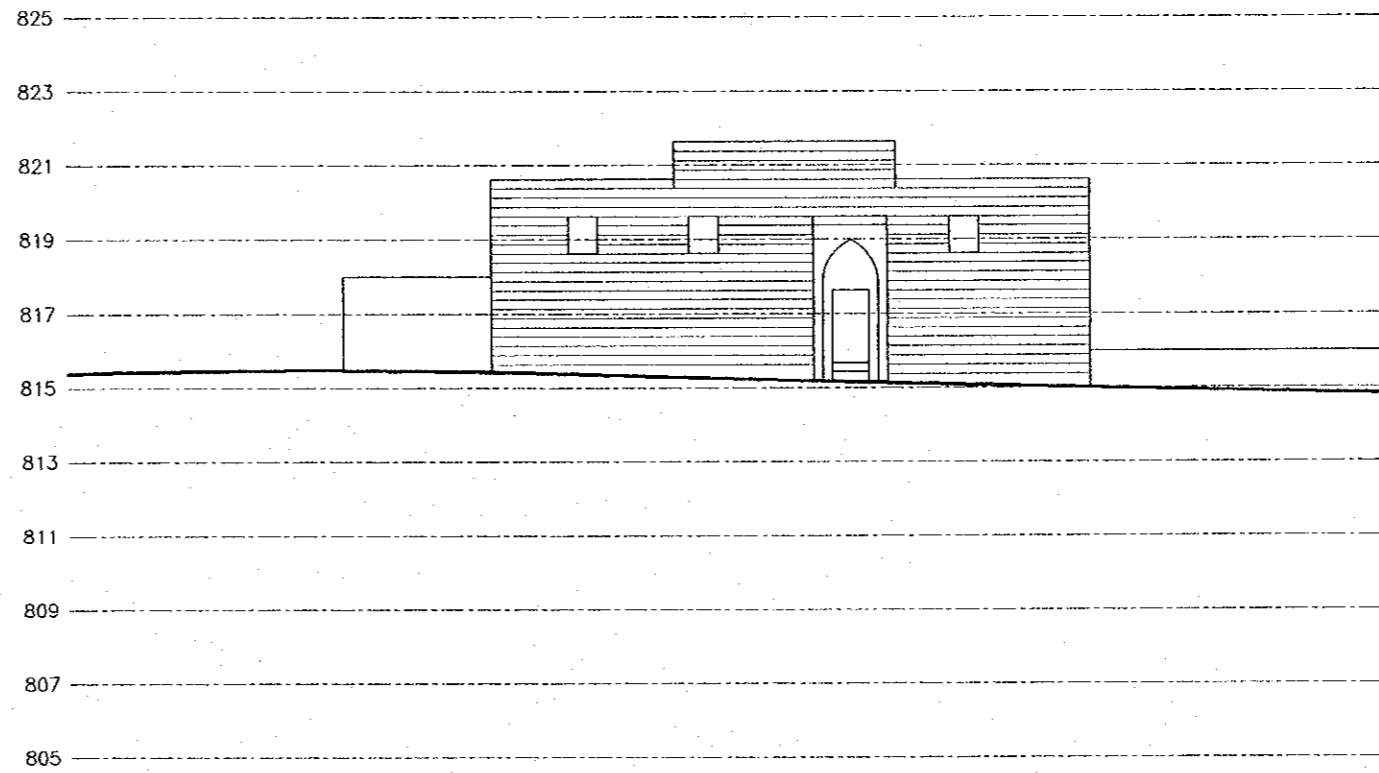
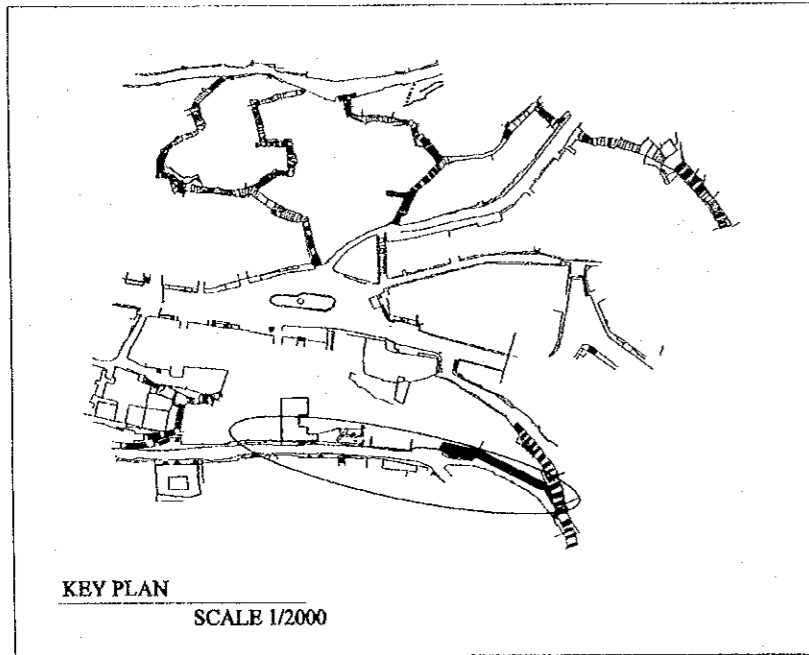
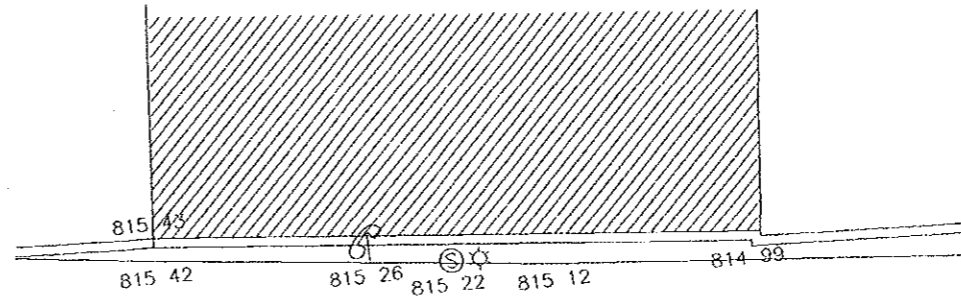
Scale: | Drawing No.:  
1:100 | SD.ATS-07

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Sub-Project:  
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Tourist Trails  
Drawing Title:  
Upper Jadaa Street A2  
Existing Building Elevation

Scale: 1:100 Drawing No.: SD.ATS-08



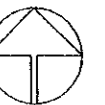
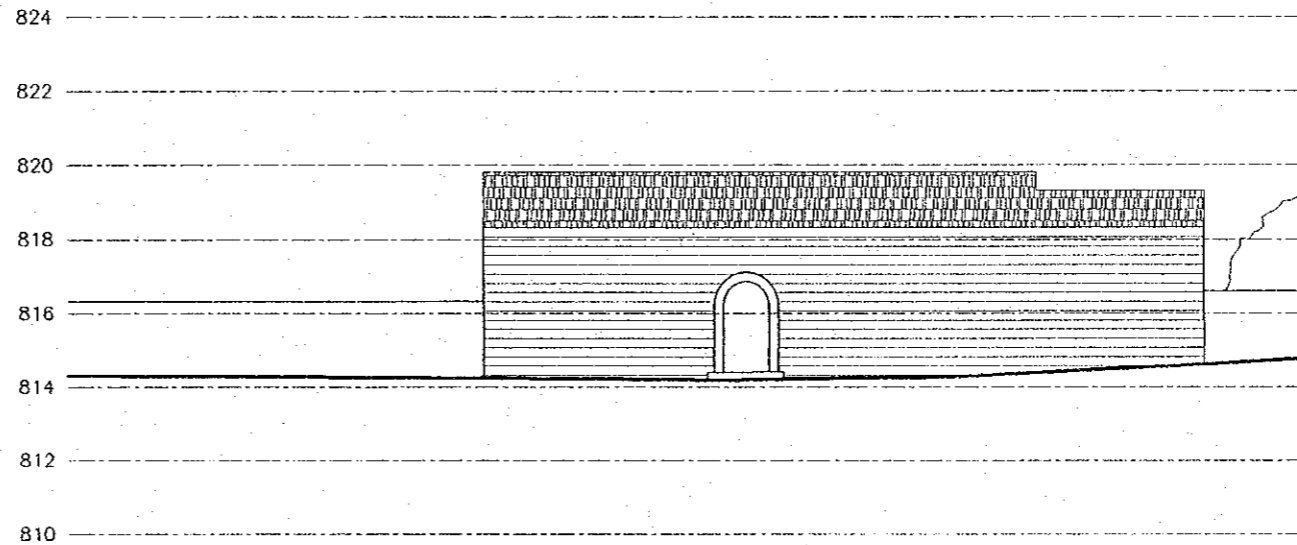
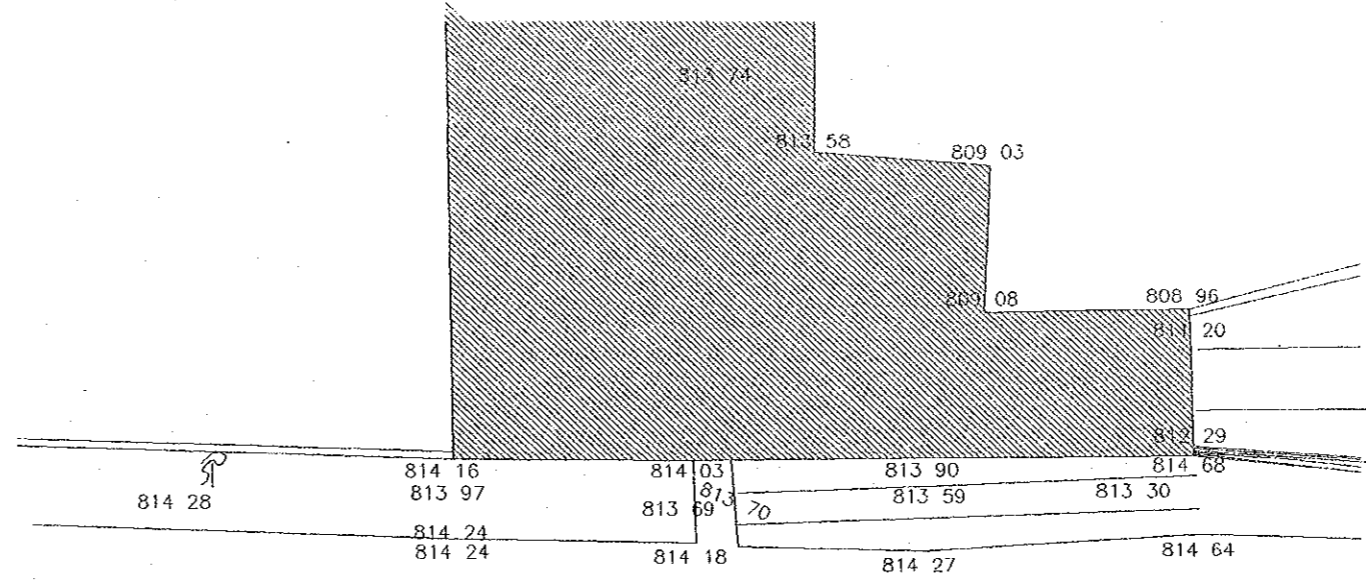
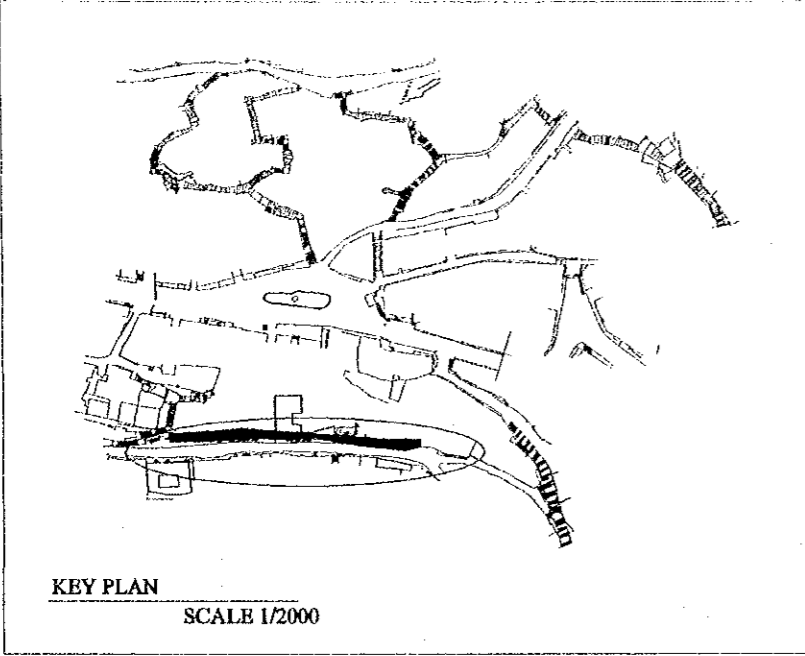
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The Ministry of Planning

Sub-Project:  
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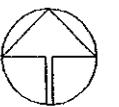
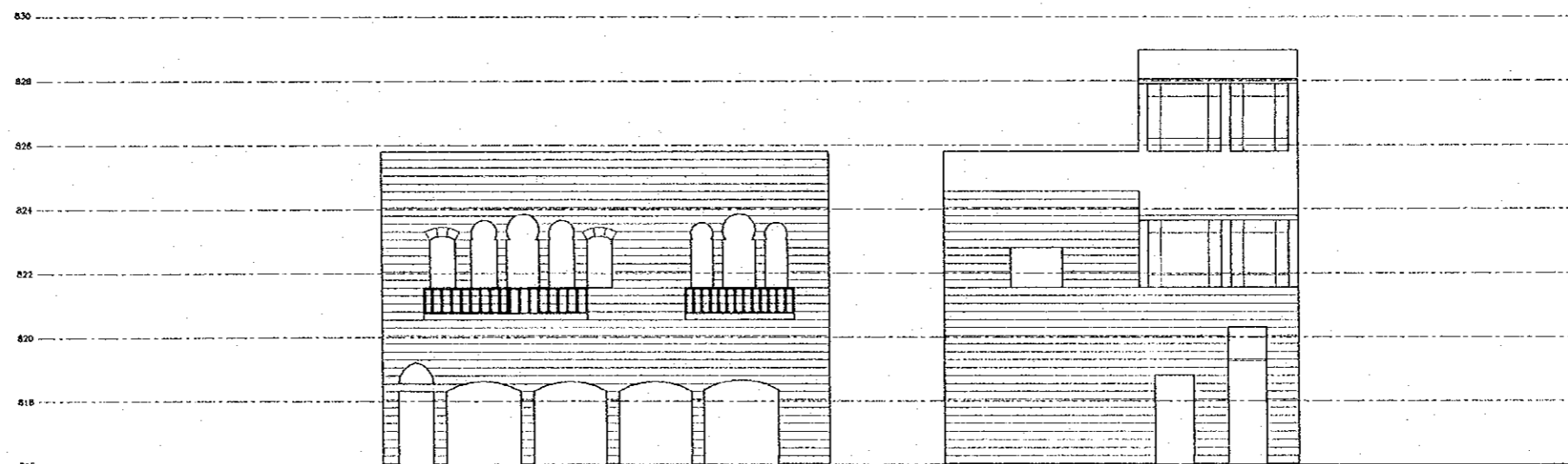
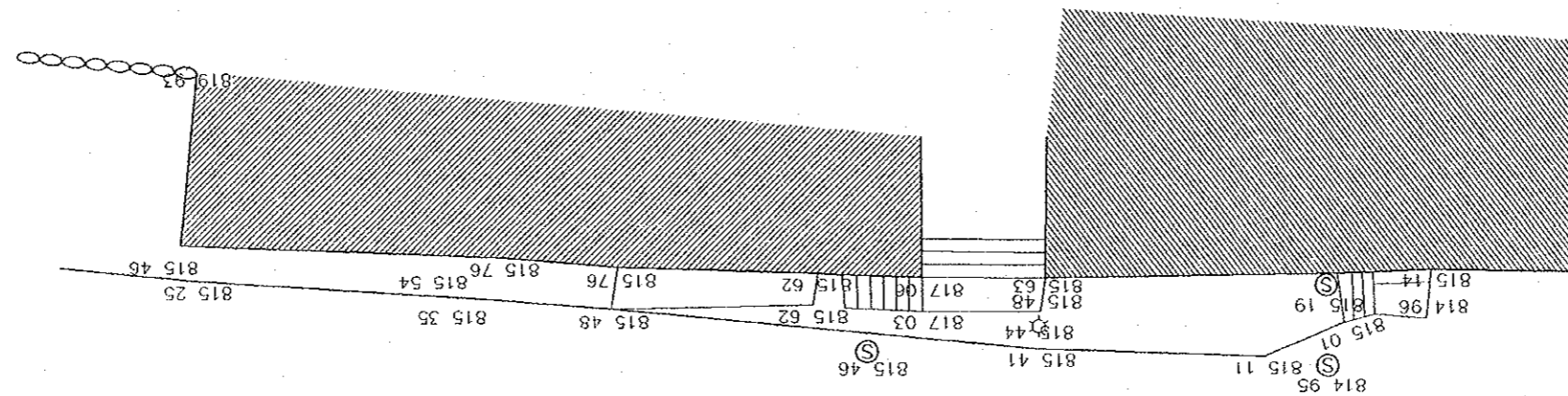
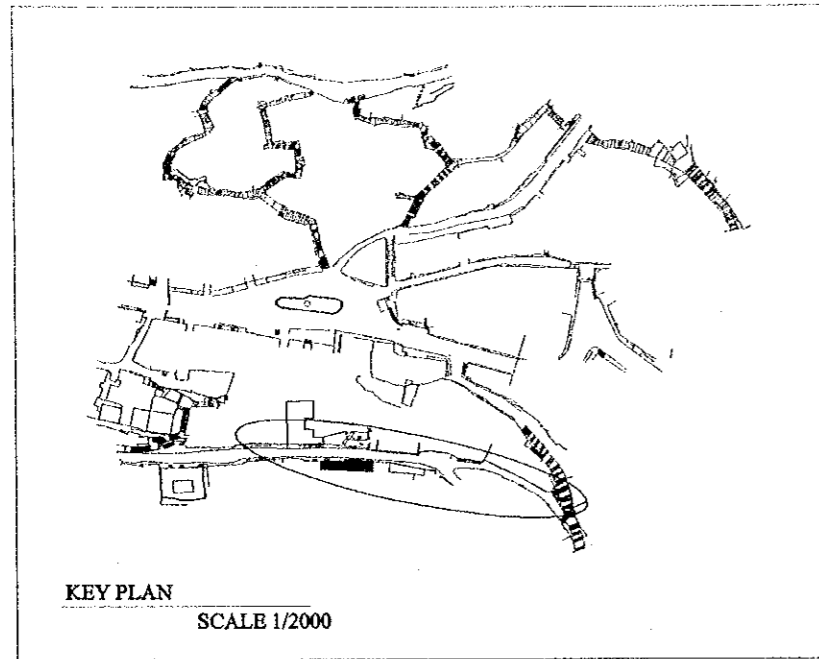
Subcontracted Local Consultant:  
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Tourist Trails  
Drawing Title:  
Upper Jadaa Street A3  
Existing Building Elevation

Scale: | Drawing No.:  
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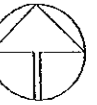
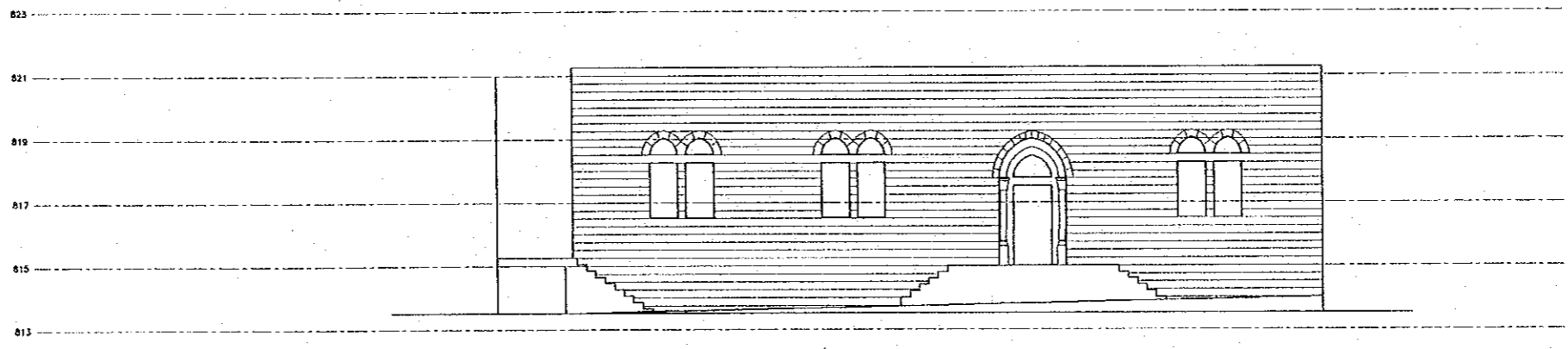
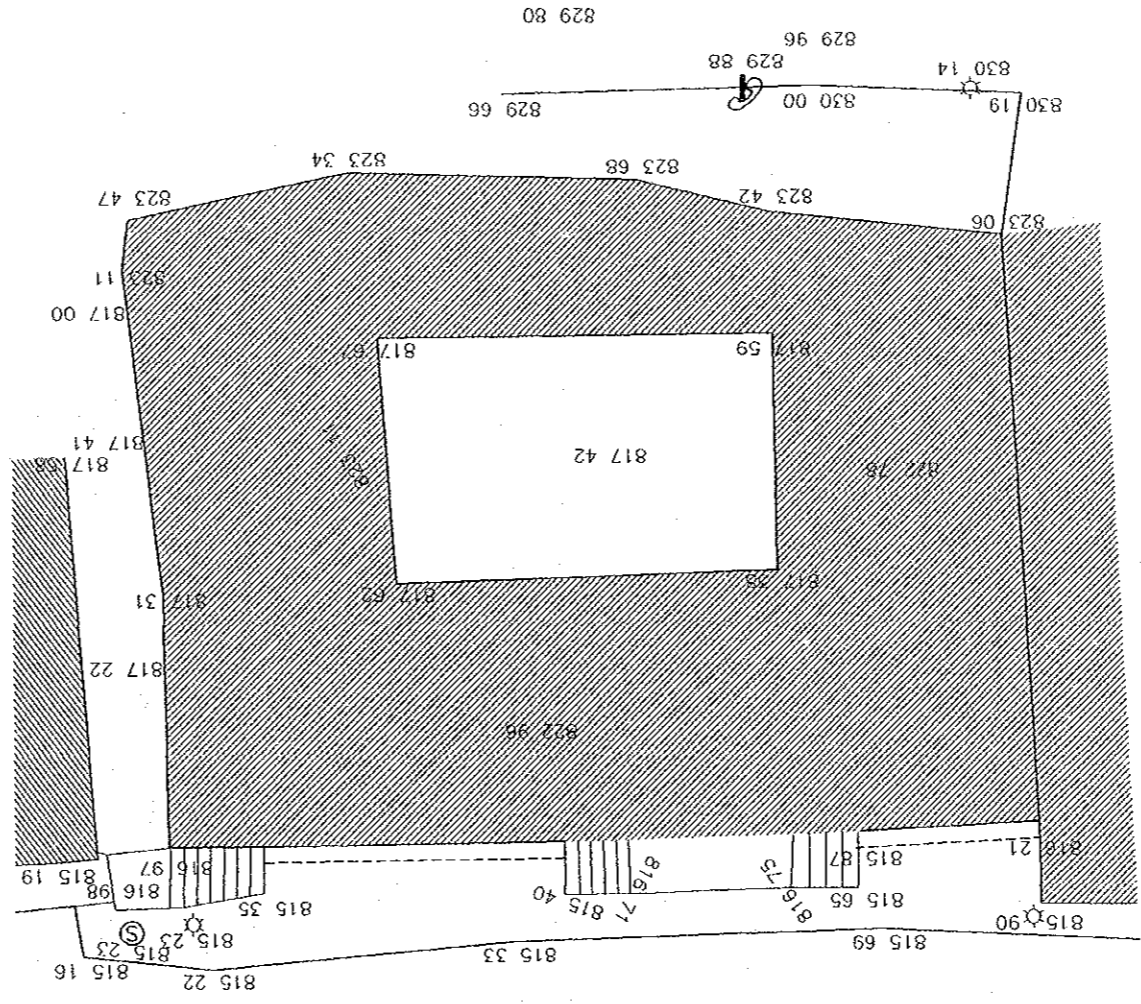
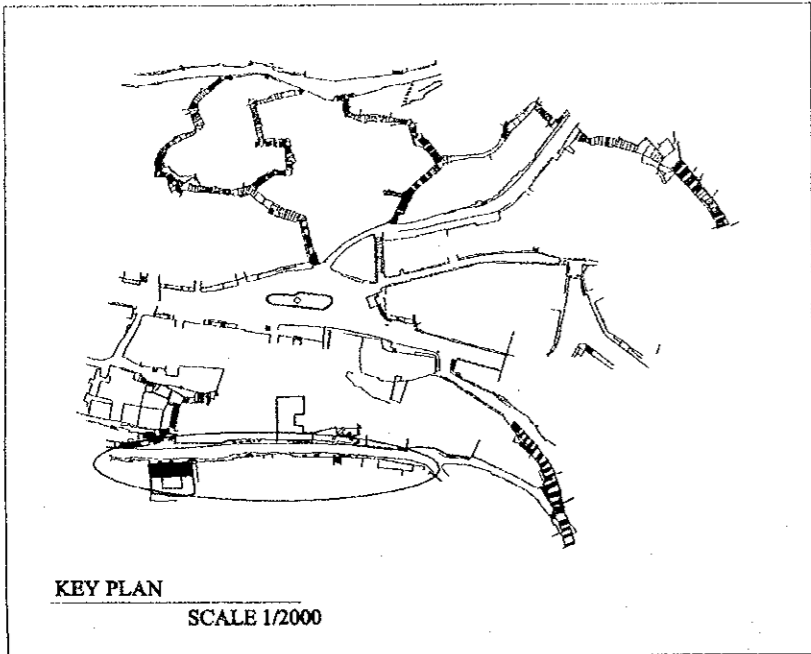
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DATE: JUNE - 10 / 2000

Drawing Title:  
Tourist Trails  
Upper Jadaa Street B1  
Existing Building Elevation

Scale: 1:100  
Drawing No.: SD.ATS-10

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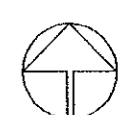
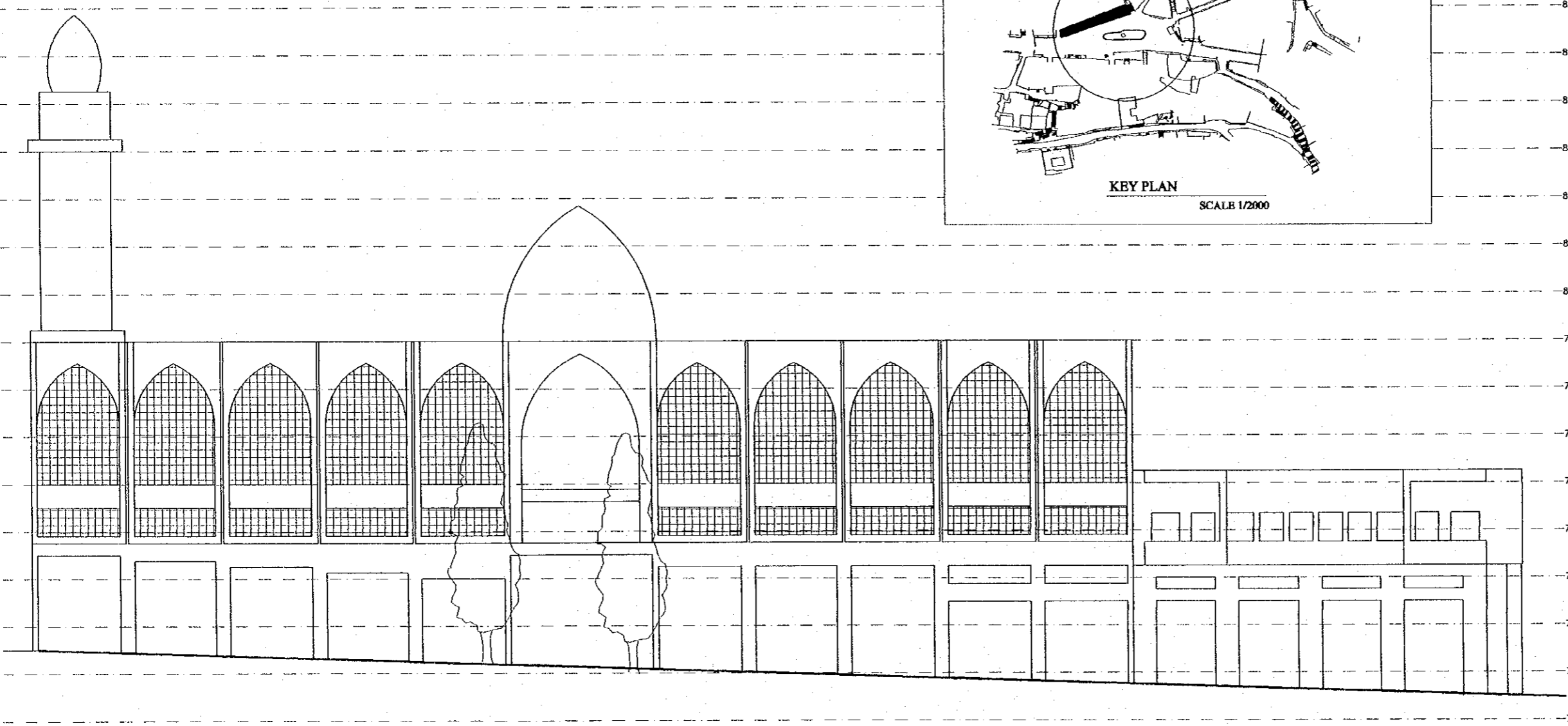
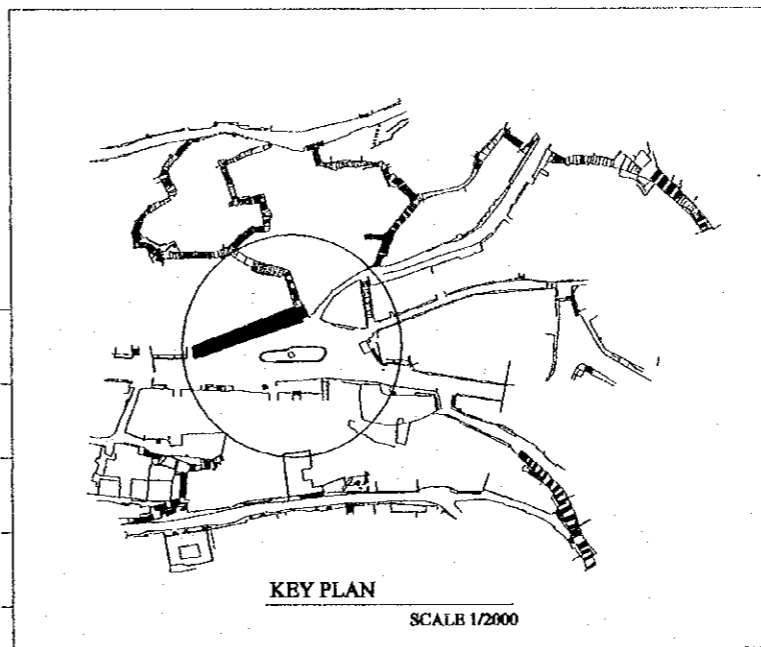
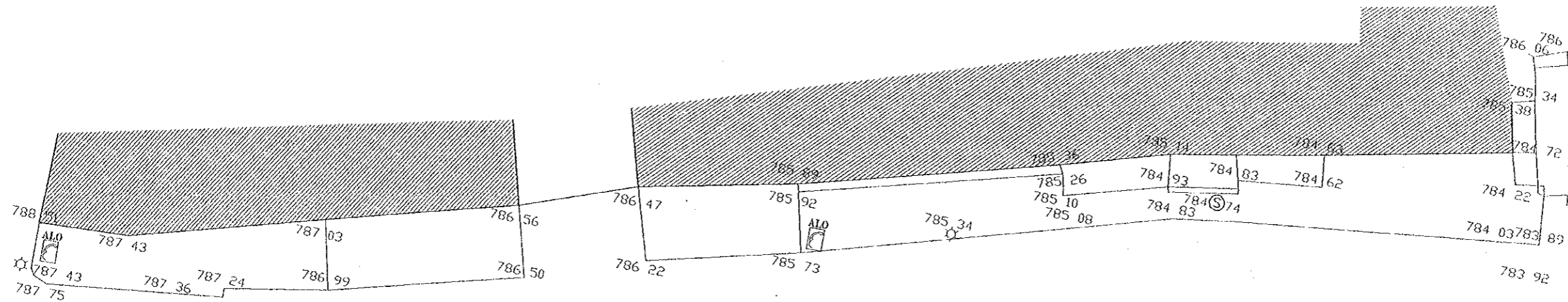
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TIBAH Consultants Architects, Engineers

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Tourist Trails  
Drawing Title:  
Upper Jadaa Street B2  
Existing Building Elevation

Scale: 1:100  
Drawing No.: SD.ATS-11

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DATE: JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
Plazas: Ain I  
Existing Building Elevation

Scale: 1:100  
Drawing No.: SD.APS-01

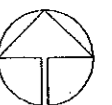
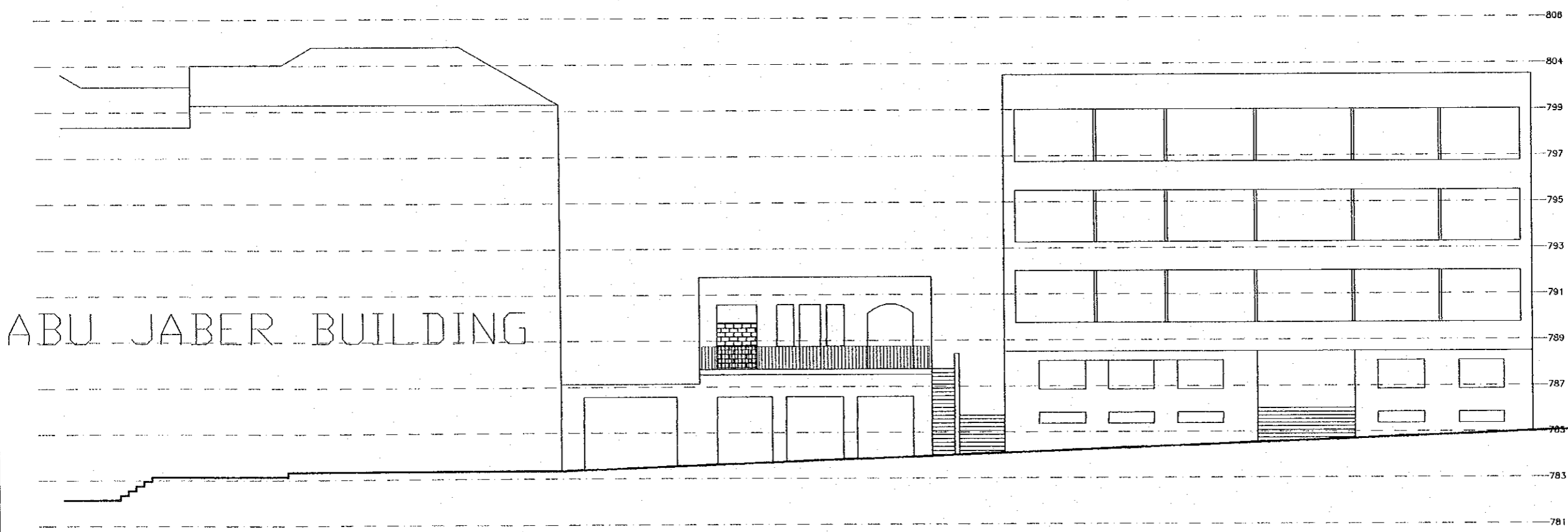
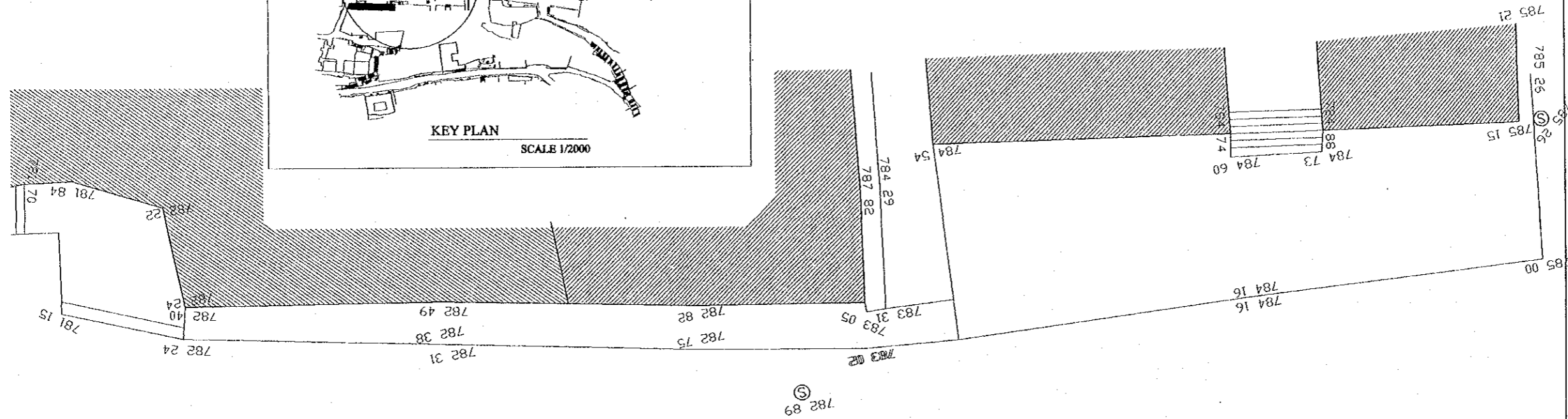
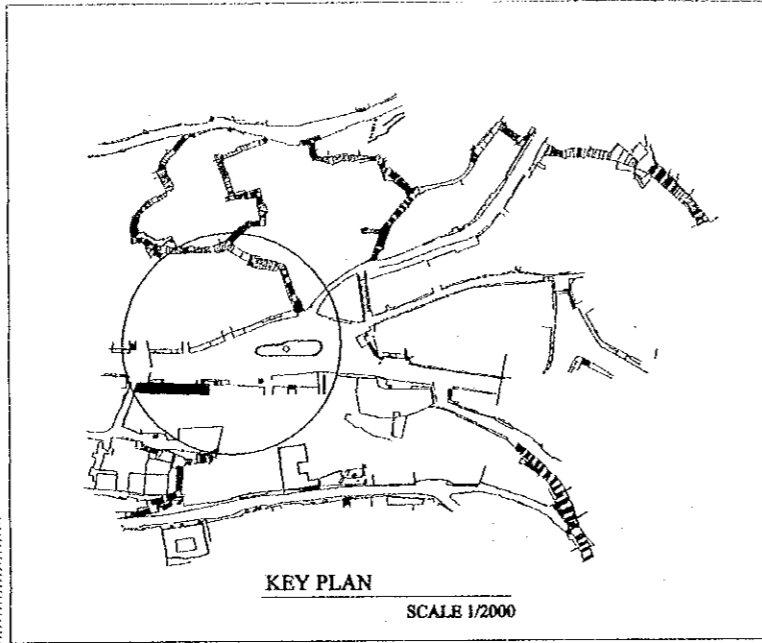


Tourism Sector Development Project  
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The Government of  
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The Ministry of Planning

Sub-Project:  
Historic Old Salt Development

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Tourist Trails  
Drawing title:  
Plazas: Ain 3  
Existing Building Elevation

Scale: 1:100  
Drawing No.: SD.APS-03





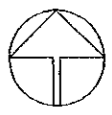
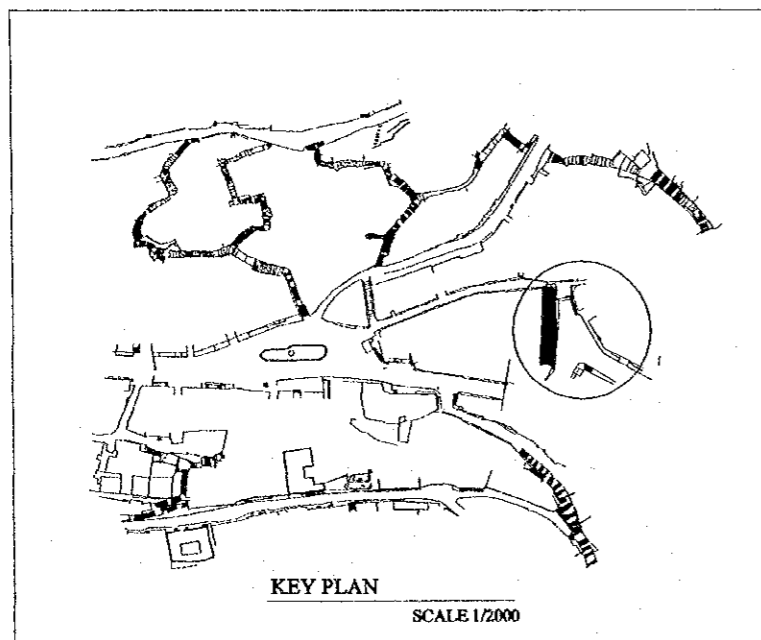
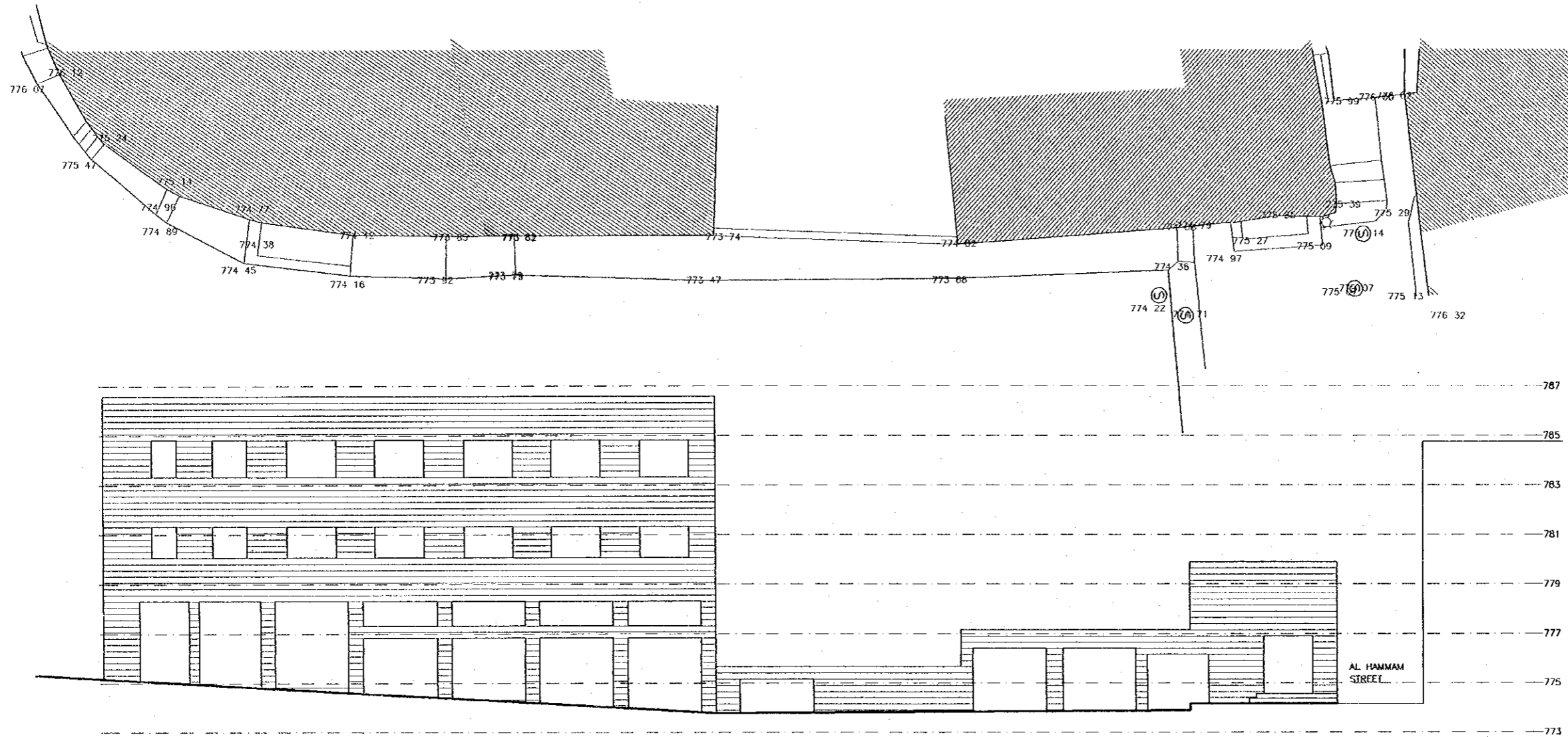
Tourism Sector Development Project  
in the Hashemite Kingdom of Jordan

The Government of  
the Hashemite Kingdom of Jordan  
The Ministry of Tourism and Antiquities  
The Ministry of Planning

Sub-Project:  
Historic Old Salt Development

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Subcontracted Local Consultant:  
TIBAH Consultants  
Architects, Engineers

DATE | JUNE - 10 / 2000

Tourist Trails

Drawing Title:  
Plazas: Baladieh 2  
Existing Building Elevation

Scale: | Drawing No.:  
1:100 | SD.APS-05



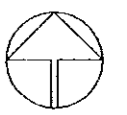
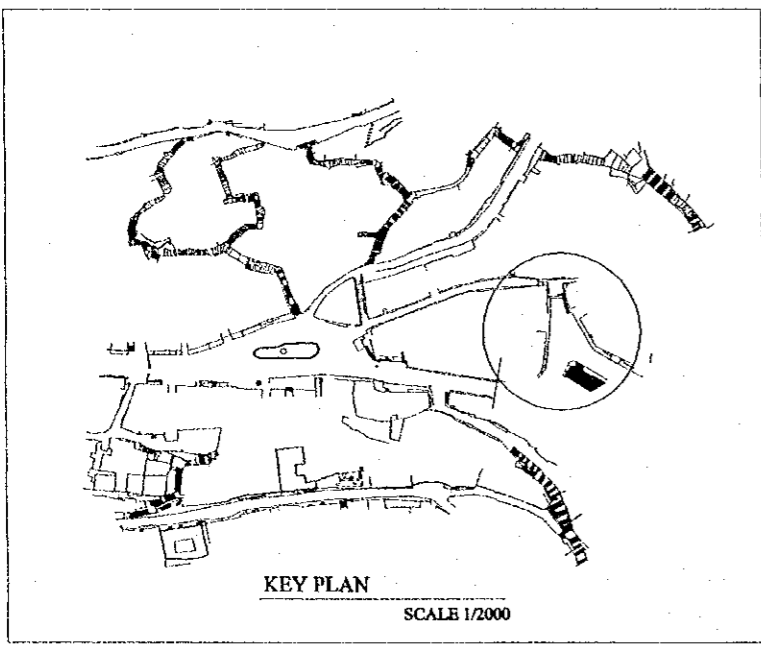
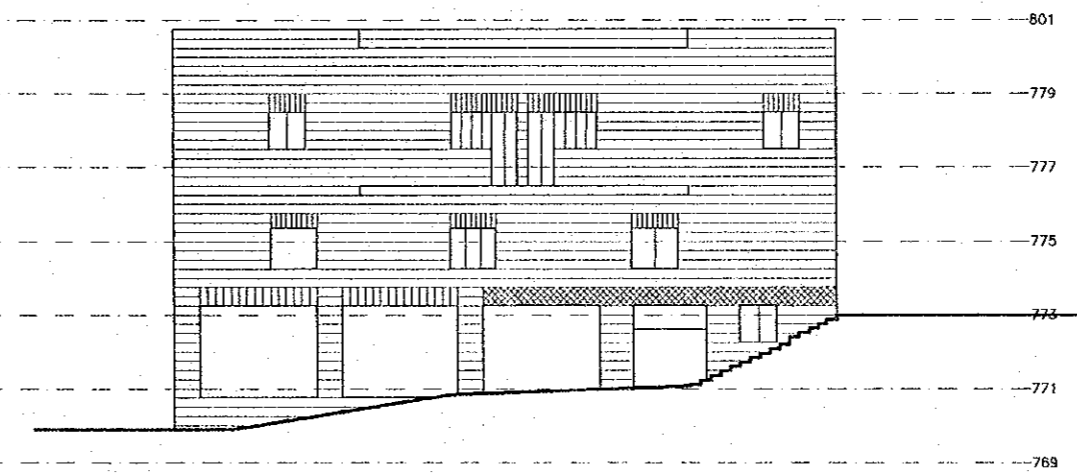
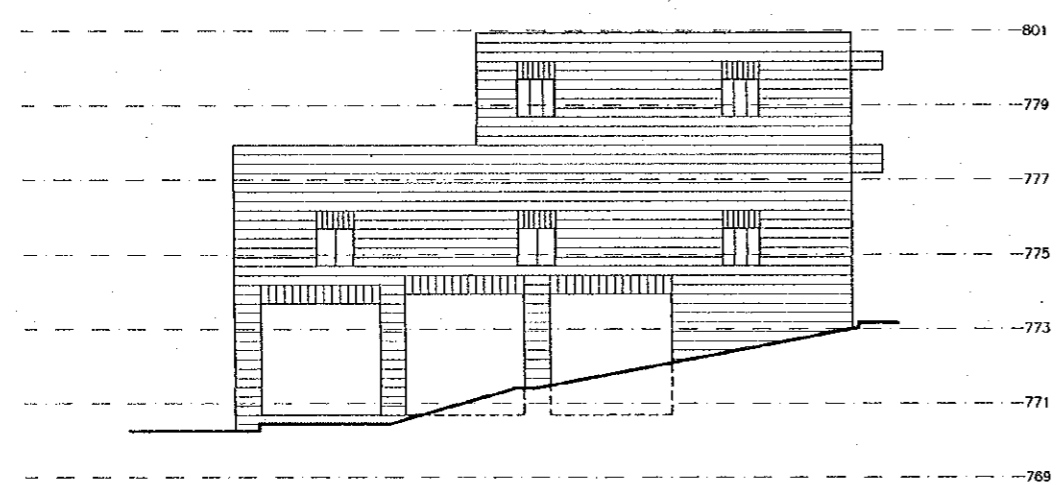
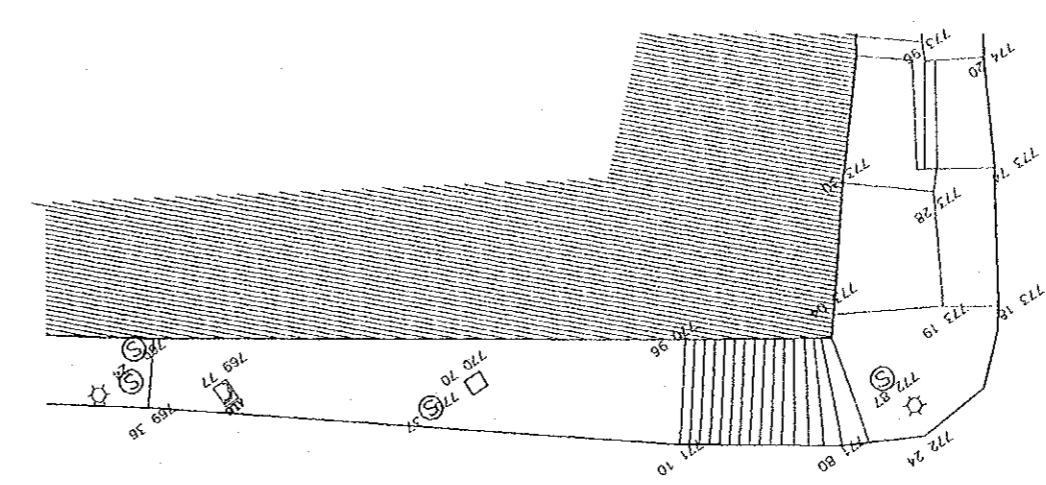
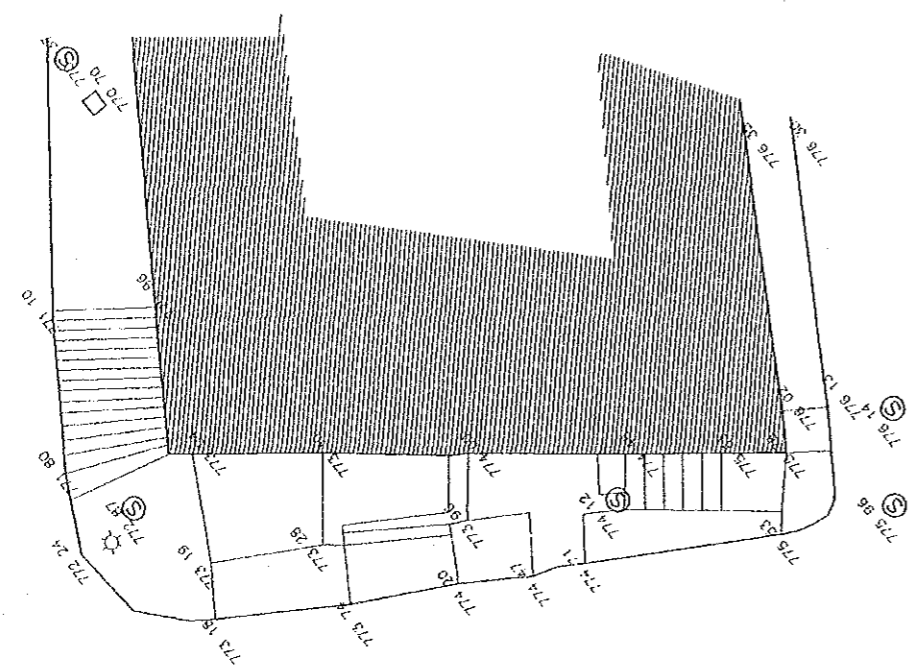
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DATE: JUNE - 10 / 2000

Tourist Trails  
Drawing Title:  
Plazas: Baladieh 3  
Existing Building Elevation

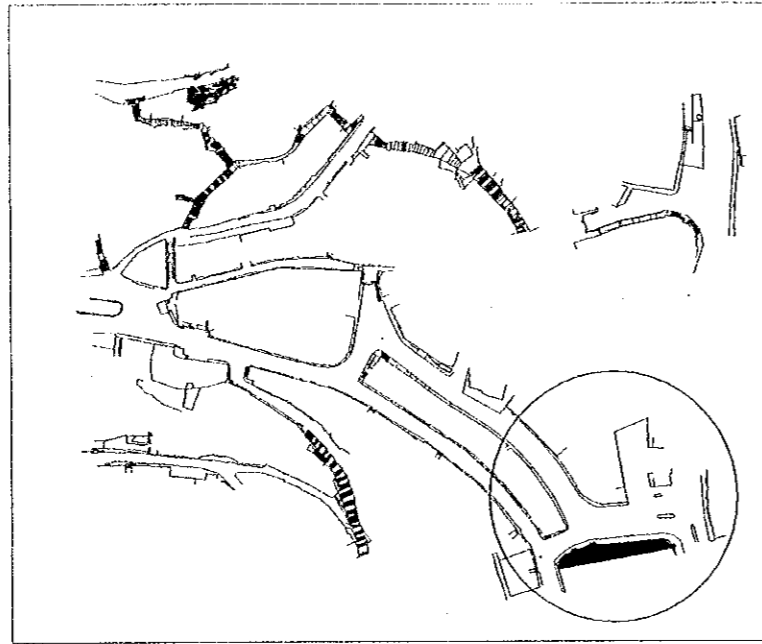
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Tourism Sector Development Project  
in the Hashemite Kingdom of Jordan

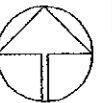
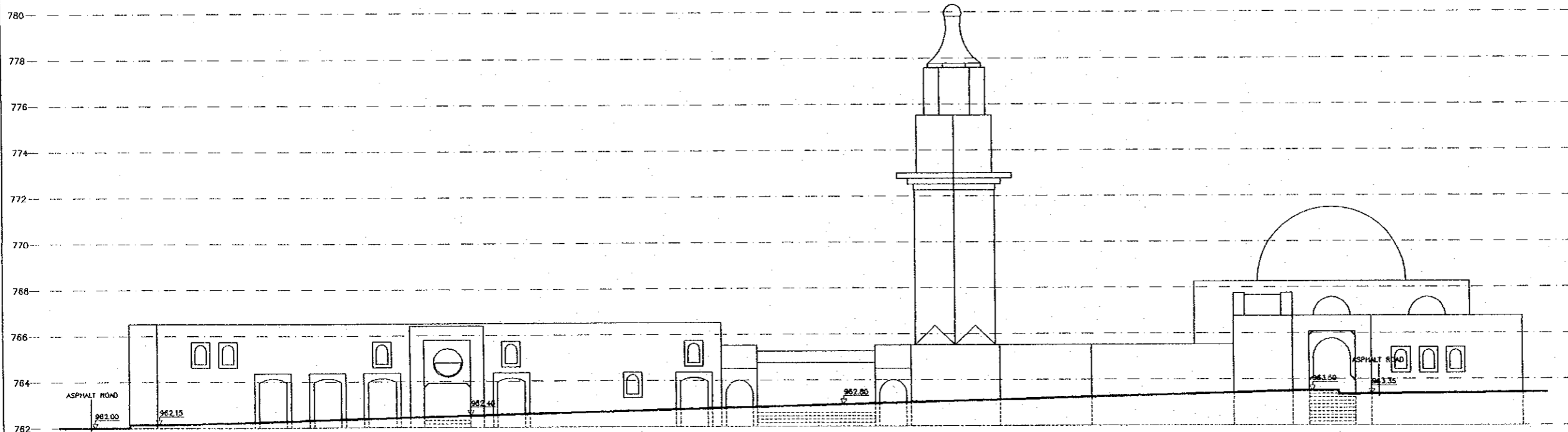
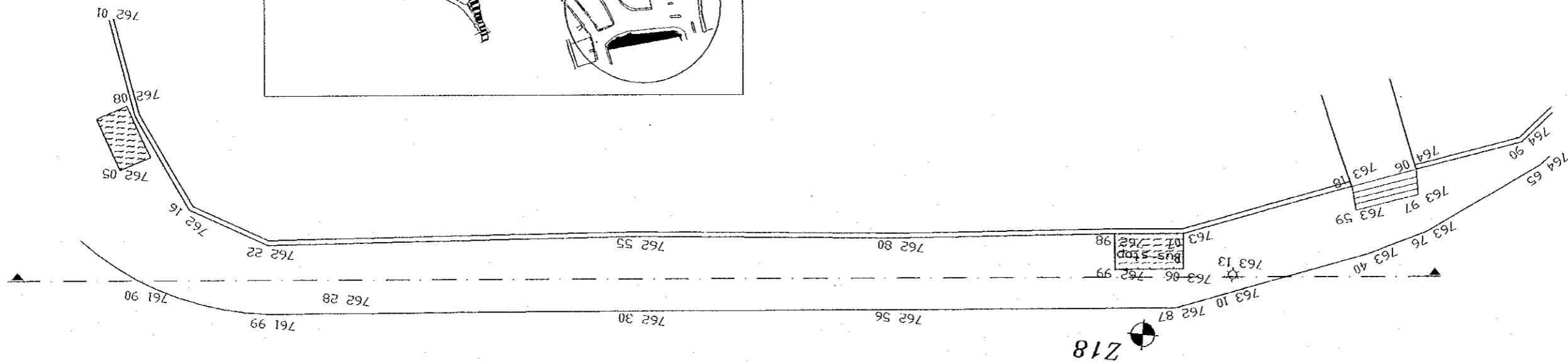
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Historic Old Salt Development

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KEY PLAN  
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Architects, Engineers

DATE JUNE - 10 / 2000

Tourist Trails

Drawing Title:  
Plazas: Maidan i  
Existing Building Elevation

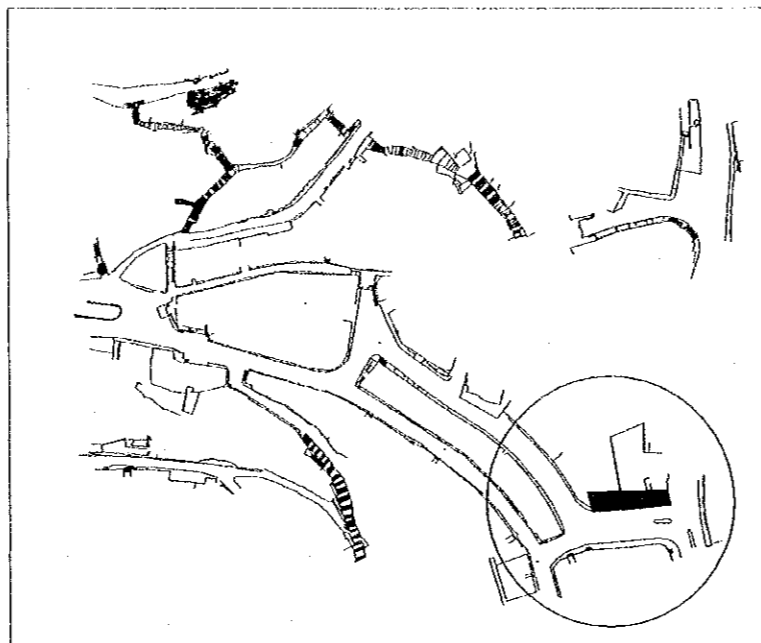
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Tourism Sector Development Project  
in the Hashemite Kingdom of Jordan

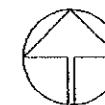
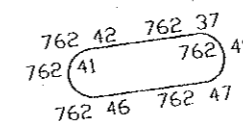
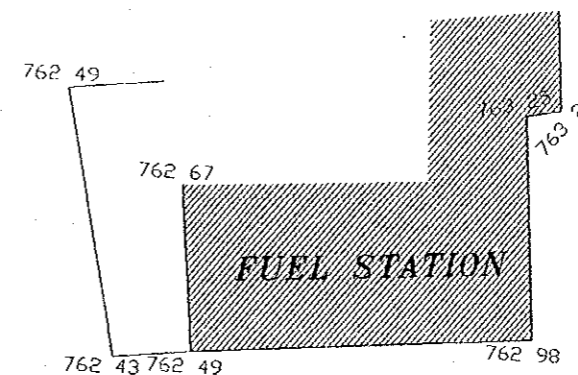
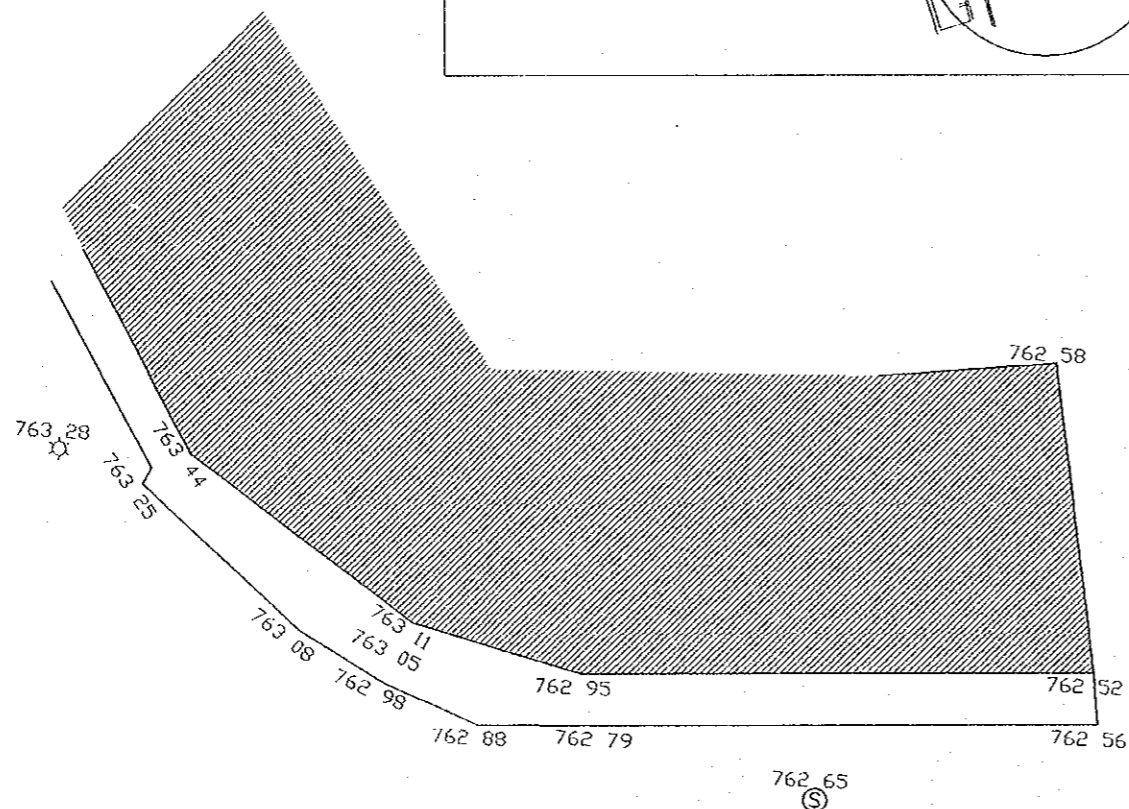
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The Ministry of Planning

Sub-Project:  
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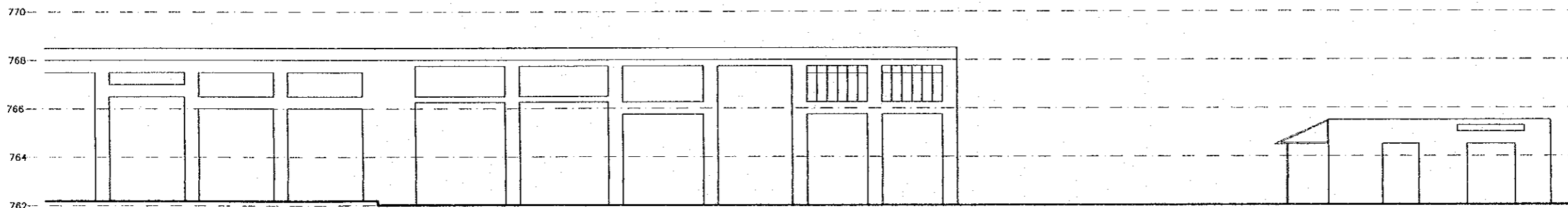
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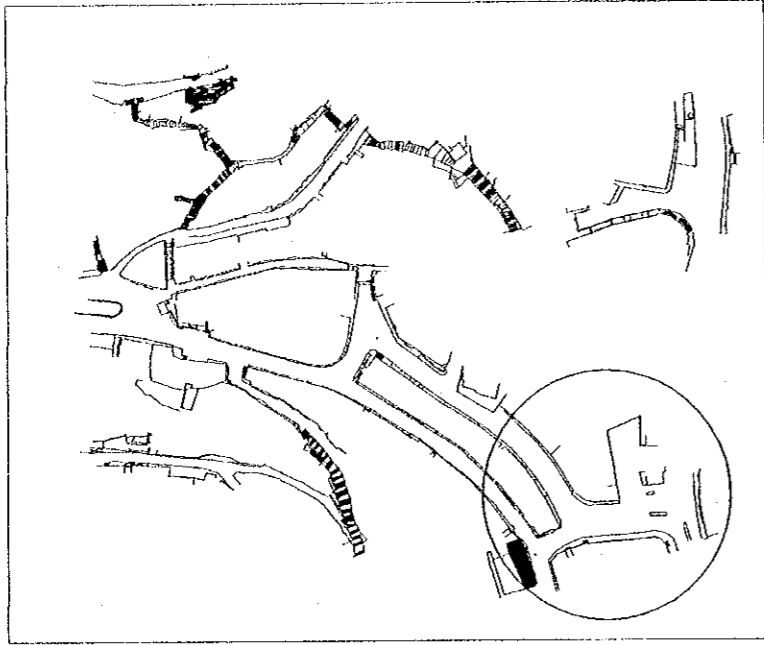
Subcontracted Local Consultant:  
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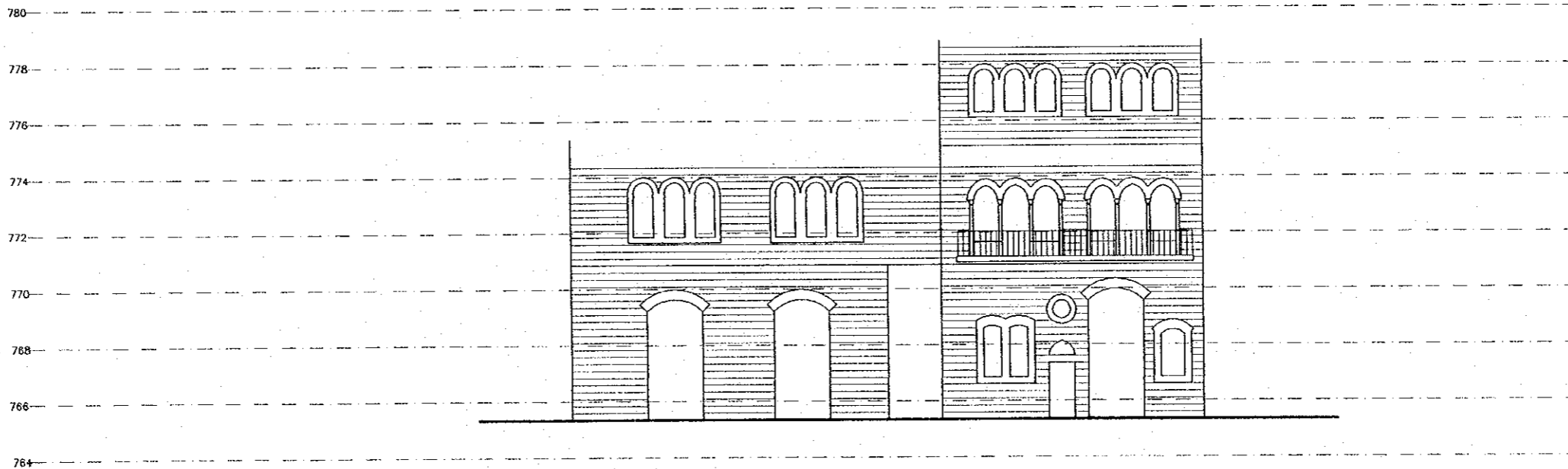
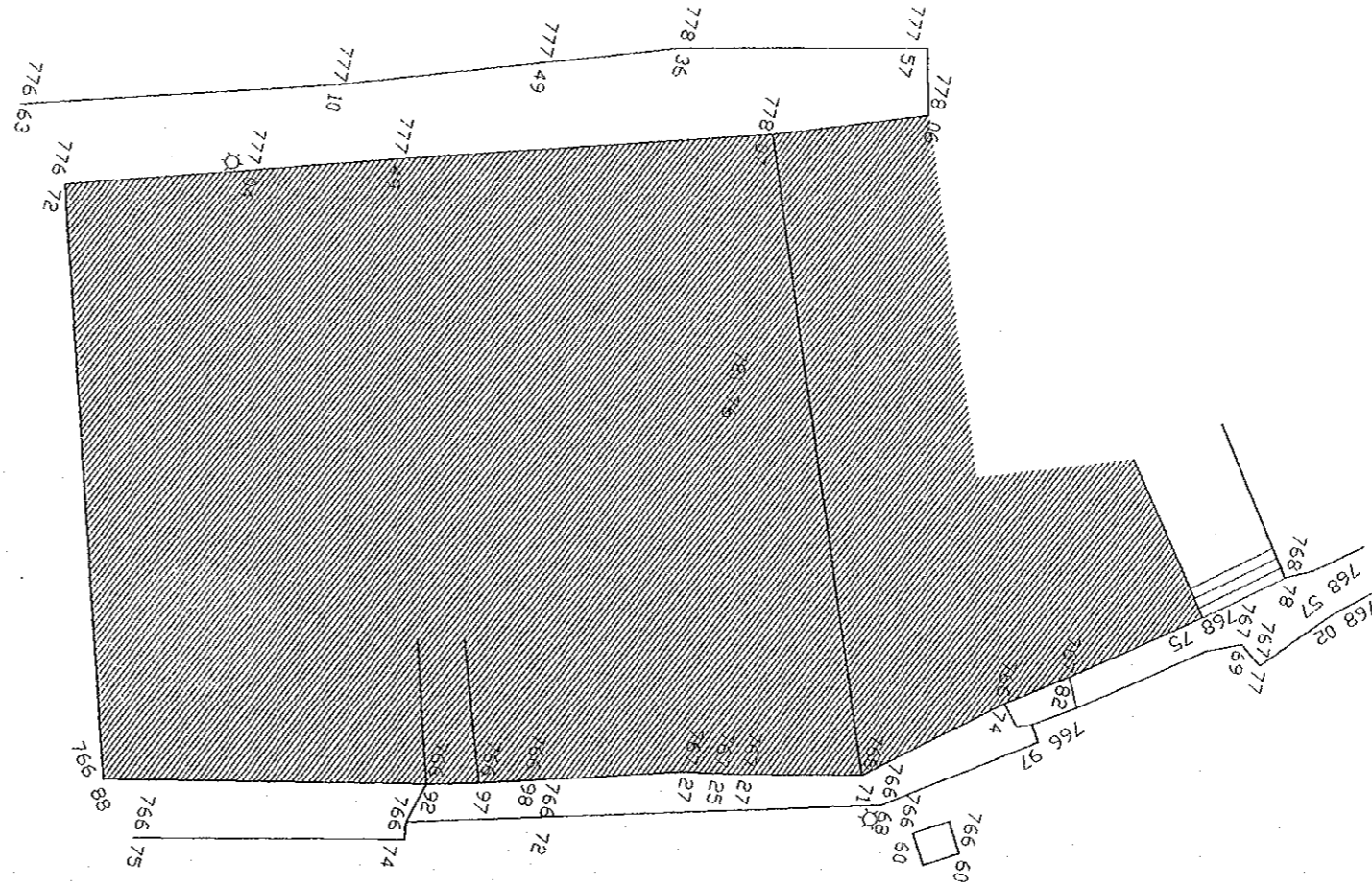
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Plazas: Maidan 2  
Existing Building Elevation

Scale: 1:100  
Drawing No.: SD.APS-08





KEY PLAN  
SCALE 1/2000

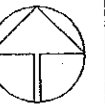


Tourism Sector Development Project  
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Tourist Trails

Drawing Title:  
Plazas: Maidan 3  
Existing Building Elevation

Scale: 1:100  
Drawing No.: SD.APS-09

**CODE OF PRACTICE**

Design, detailing and workmanship shall be according to the Jordan Code for Reinforced Concrete

**DIMENSIONS**

All Dimensions are in Centimetres.

**DRAWINGS**

- 1- Structural drawings shall be read in conjunction with Architectural, Mechanical and Electrical drawings.
- 2- Sleeves and openings smaller than 200x200 mm are not shown on the Structural drawings. For required openings refer to Architectural, Mechanical and Electrical drawings.
- 3- Contractor shall prepare working drawings and bar bending schedules for reinforcement in a format agreed with the engineer.
- 4- Drawings are not necessarily to scale.
- 5- Chamfers for fair faced concrete are not shown on Structural Drawings. Reference should be made to Architectural details for such purpose.

**PLAIN CONCRETE**

The following two types of plain concrete shall be employed:

C15 - Grade 15 for all plain concrete blinding under foundations.

C20 - Grade 20 for all plain concrete backing for stone walls.

Characteristic Strength as defined by a 150 mm cube at age of 28 days shall be:

C15 - 15 MPa  
C20 - 20 MPa

Minimum cement content, per cubic metre, shall be:

C15 - 200 kilograms  
C20 - 250 kilograms

Maximum water-cement ratio shall be:

C15 - 0.70  
C20 - 0.65

**COVER**

Clear concrete cover to reinforcement shall be:

- 50 mm for concrete below grade.
- 25 mm for internal concrete faces above grade.
- 30 mm for exposed fair faced concrete surfaces.

**AGGREGATES**

Maximum aggregate size shall be 20 mm.

**PROTECTION OF SUBSTRUCTURE**

Bituminous Waterproofing Membrane shall be employed to protect and seal all reinforced concrete below grade or in contact with soil, including:

- bottom, side faces and top of footings,
- bottom, side faces and top of grade beams,
- side faces of columns and walls below grade,
- bottom of reinforced slab on grade.

**REINFORCED CONCRETE**

The following two types of reinforced concrete shall be employed:

C25 - Grade 25 for all reinforced concrete members except columns.

C30 - Grade 30 for all reinforced concrete Columns.

Characteristic Strength as defined by a 150 mm cube at age of 28 days shall be:

C25 - 25 MPa  
C30 - 30 MPa

Minimum cement content, per cubic metre, shall be:

C25 - 300 kilograms  
C30 - 350 kilograms

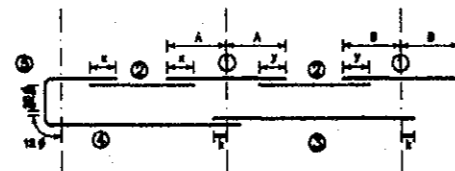
Maximum water-cement ratio shall be:

C25 - 0.60  
C30 - 0.55

**REINFORCEMENT**

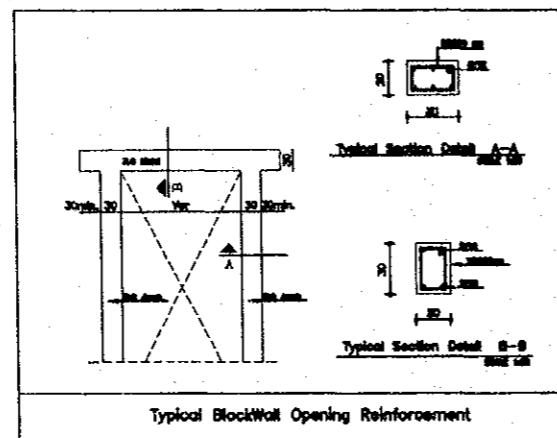
- 1- All reinforcing bars of a diameter larger than 8 millimetres shall be deformed high strength steel bars of Characteristic Strength equal to:  
 $f_y=420$  MPa.
- 2- Bars of 8 and 8 millimetres diameter shall be of mild steel of Characteristic Strength equal to:  
 $f_y=280$  MPa.
- 3- Reinforcement shall comply with BS4449, BS4461 or BS4483.
- 4- Reinforcement shall be placed as shown on the drawings and in the lengths specified.
- 5- Where bar length is not specified, longest practicable bar length shall be employed with staggered lap splices. Lap length shall be 56 times bar diameter.
- 6- Bar crank shall not exceed 1:12.

**PLACEMENT RULES FOR BEAM REINFORCEMENT**

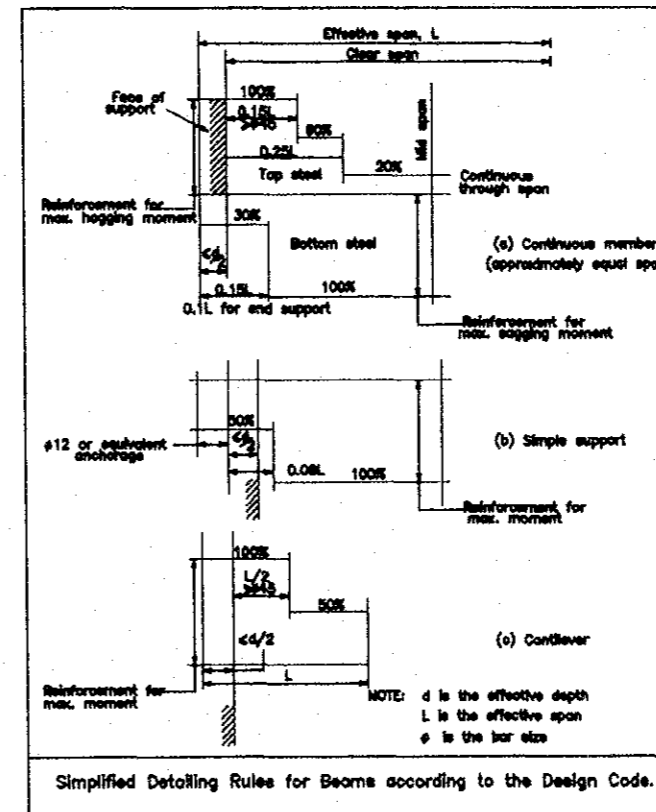
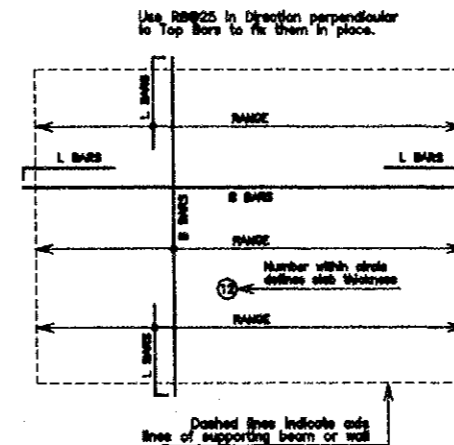


Placement of bars shall be as follows, unless indicated otherwise:

- 1- Top bars at interior supports shall be placed centrally on the support axis lines, for approximately equal span.
- 2- Top bars in spans shall be placed to lap equal lengths with support top bars at both left and right.
- 3- Bottom bars in interior spans shall be placed to extend equal lengths beyond support centerlines at both left and right.
- 4- Bottom bars in exterior spans shall be placed such that they extend a length equal to 12 times bar size beyond the centerline of the exterior support. This length may include a 90 degree bend if sufficient room does not exist.
- 5- L bars as top reinforcement at exterior supports shall extend 25 times the bar size beyond the bend.



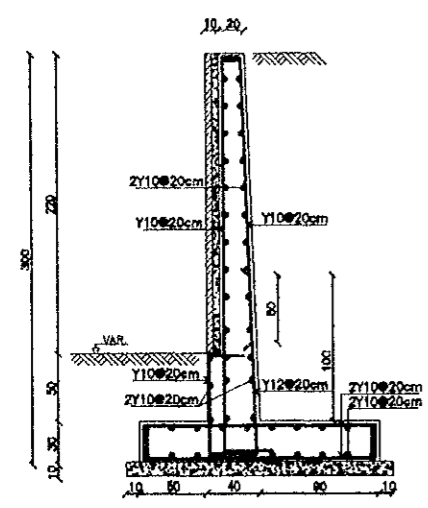
**Notation Employed for Solid Slab Panels**



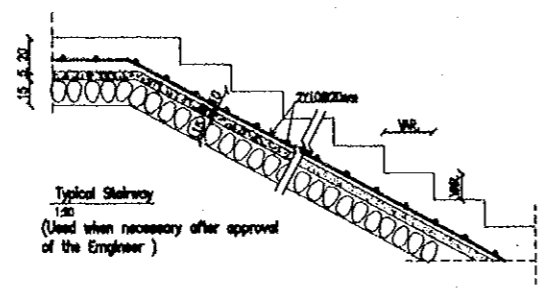
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Sub-Project:  
 Historic Old Salt Development

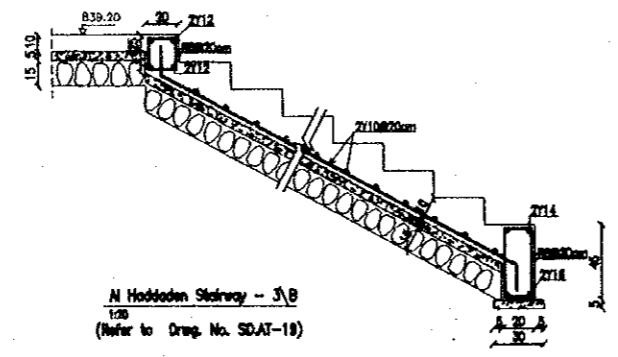
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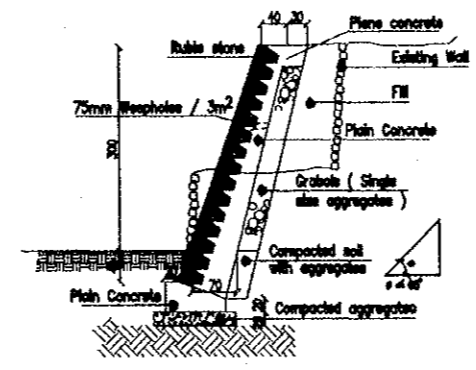
N Ain Plaza  
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 (Refer to Draw. No. SDJP-AD 70 04)



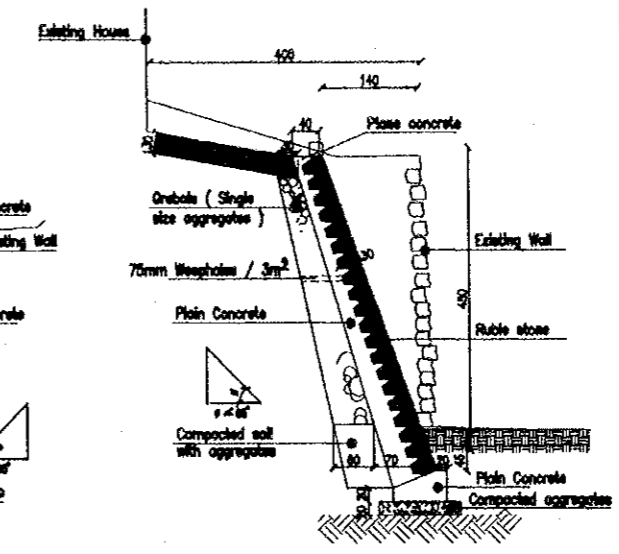
Typical Stairway  
 120  
 (Used when necessary after approval of the Engineer)



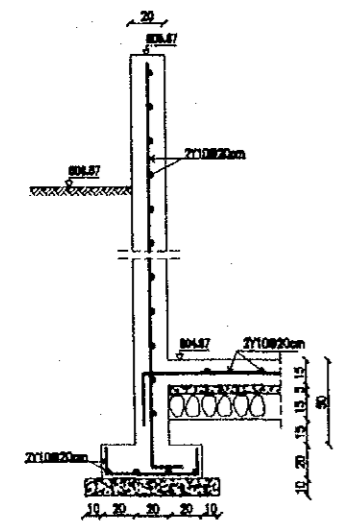
N Haddaden Stairway - 3/B  
 120  
 (Refer to Draw. No. SDAT-19)



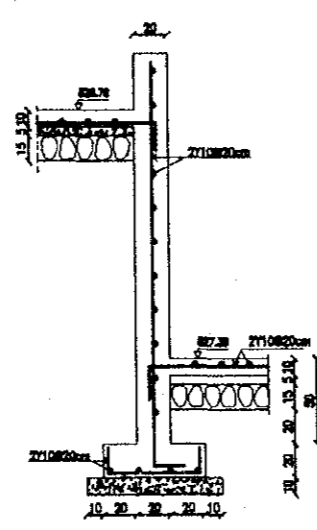
Section A - A  
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 (Refer to D-08 in Draw. No. SDAD-02)



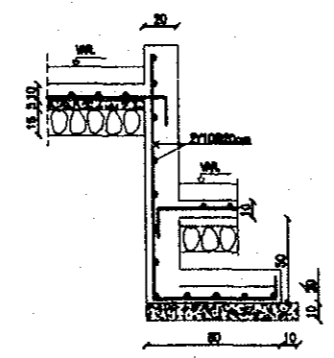
Section A - A  
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 (Refer to D-10 in Draw. No. SDAD-02)



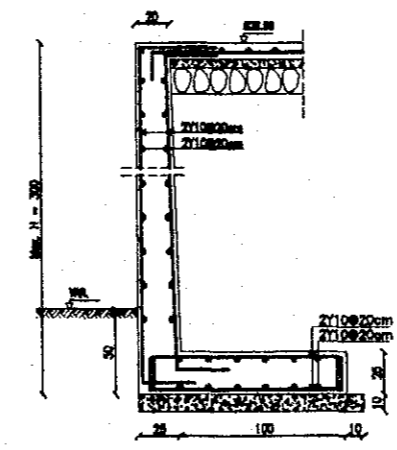
Section D - C  
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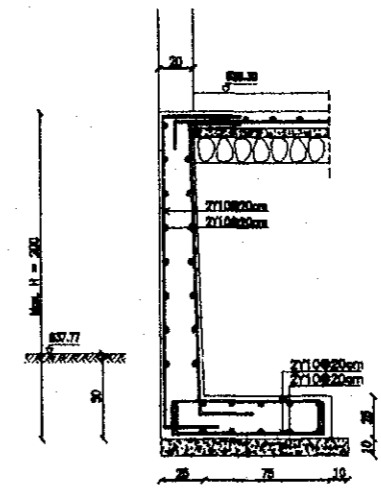
Section A - A  
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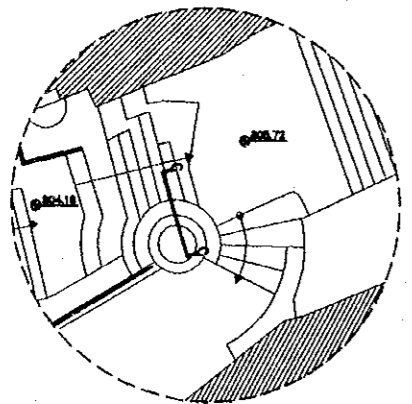
Section B - B  
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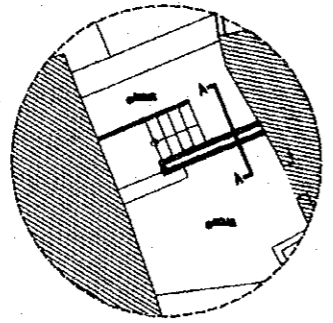
Section D - D  
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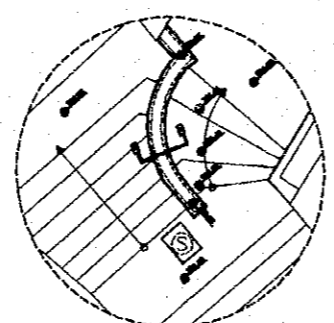
Section E - E  
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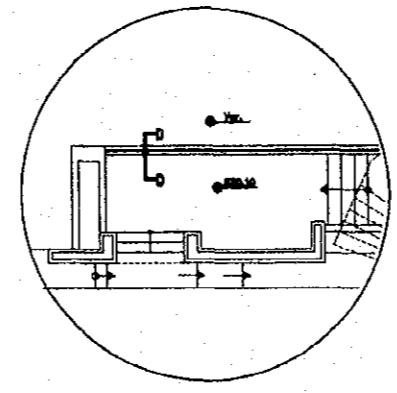
Detail (DT-20)  
 (East Jordan Stairway)  
 (Refer to Draw. No. SDAT-25)



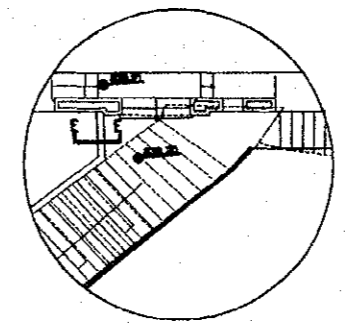
Detail (DT-15)  
 (N Haddaden Stairway - 3/B)  
 (Refer to Draw. No. SDAT-19)



Detail (DT-2)  
 (Al Rammanat Stairway)  
 (Refer to Draw. No. SDAT-02)



Detail (DT-12)  
 (Refer to Draw. No. SDAT-21)



Detail (DT-16)  
 (Refer to Draw. No. SDAT-16)

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Tourist Trails

Drawing Title:  
 Trails  
 Miscellaneous R.C. Details

Scale: As shown Drawing No.: SD.ST-002

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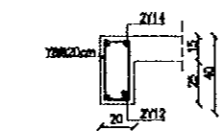
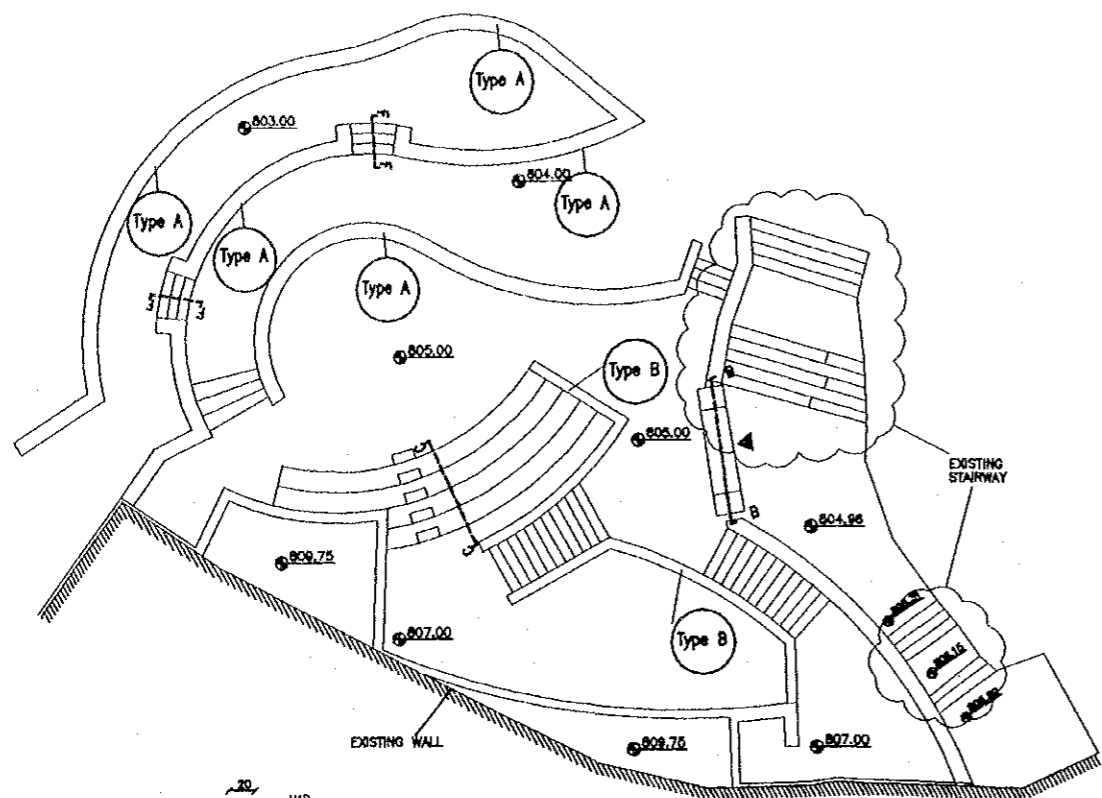
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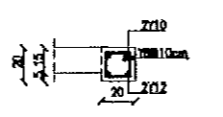
Tourist Trails

Drawing title:  
Madrasah Lookout  
R.C. Details

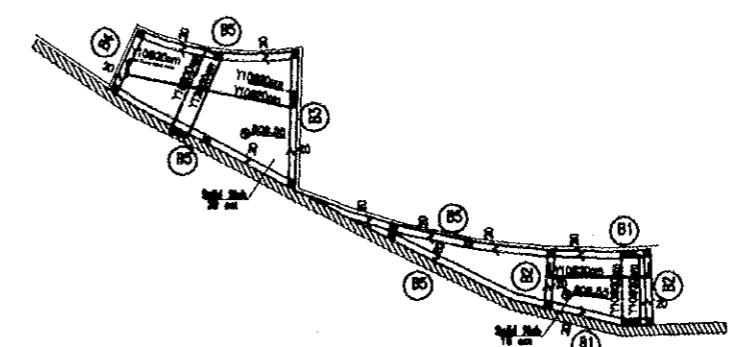
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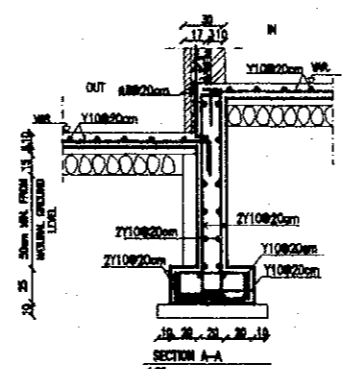
Cross Section in Beam B1  
1:20



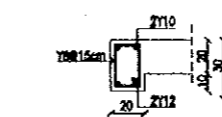
Cross Section in Beam B2  
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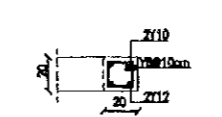
Entrance Roof Framing Plan @ Level 826.40  
1:100



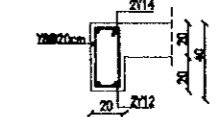
SECTION A-A  
1:20



Cross Section in Beam B3  
1:20

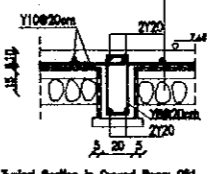


Cross Section in Beam B4  
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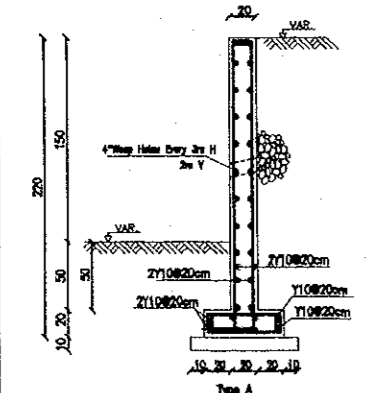


Cross Section in Beam B5  
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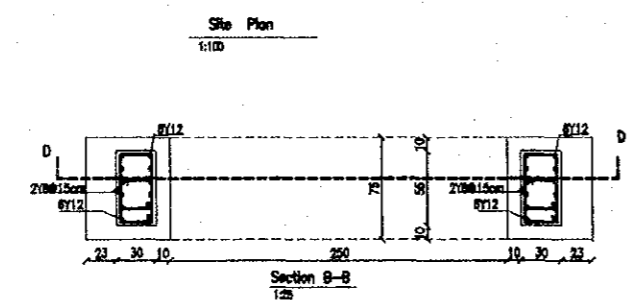
10 cm RC Slab
1cm Water Proofing
5 cm Blinding
15 cm Hard Core



Typical Section in Ground Beam GB1  
1:20

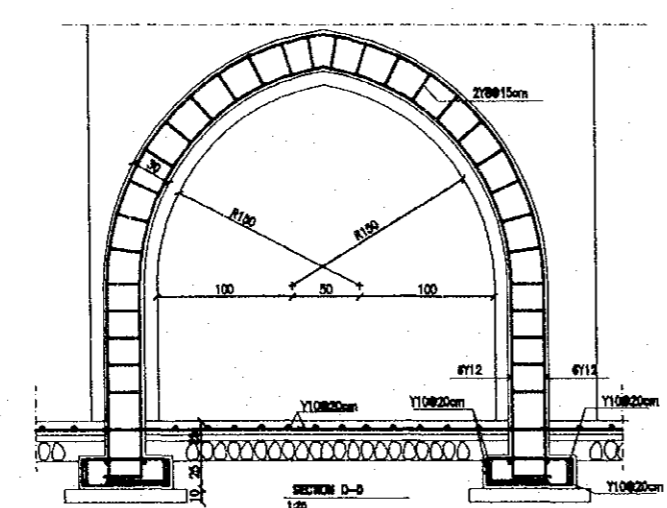


Type A  
1:25

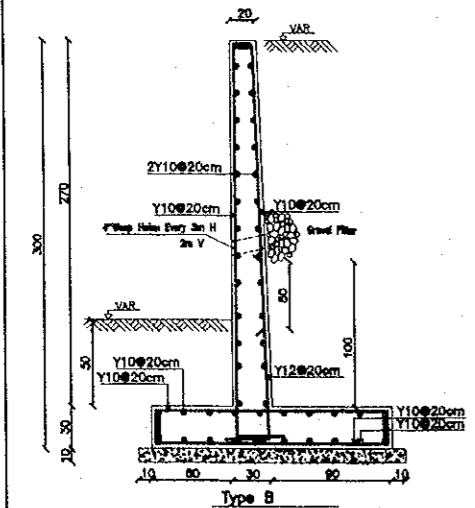


Site Plan  
1:100

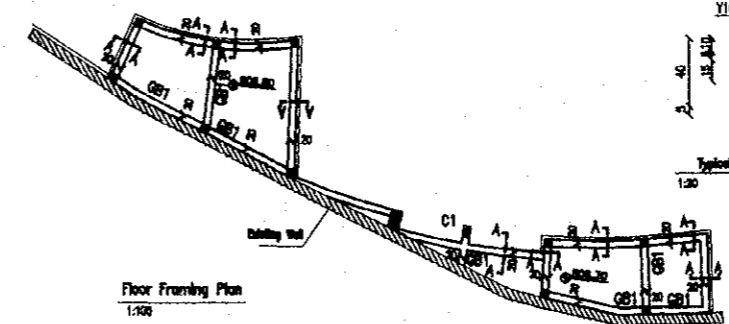
Section B-B  
1:25



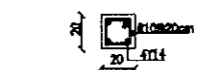
SECTION D-D  
1:20



Type B  
1:25



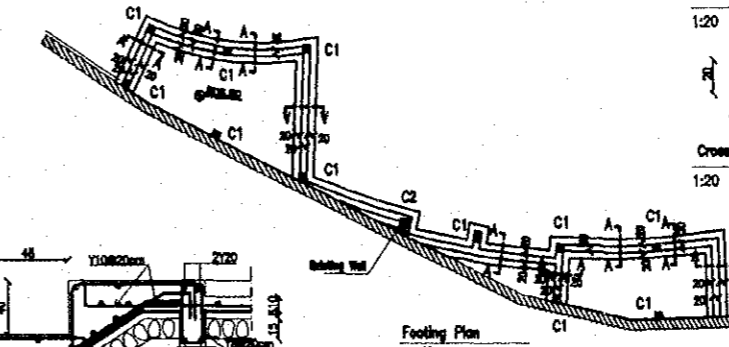
Floor Framing Plan  
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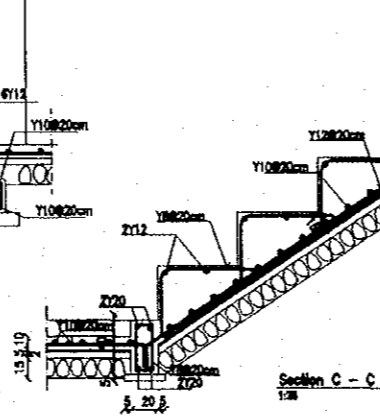
Cross Section in Column C1  
1:20



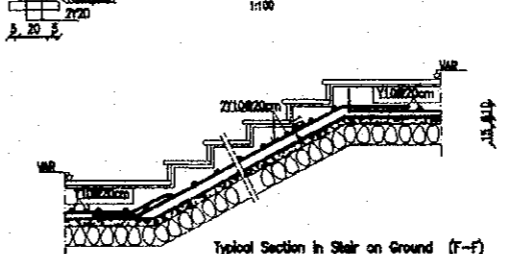
Cross Section in Column C2  
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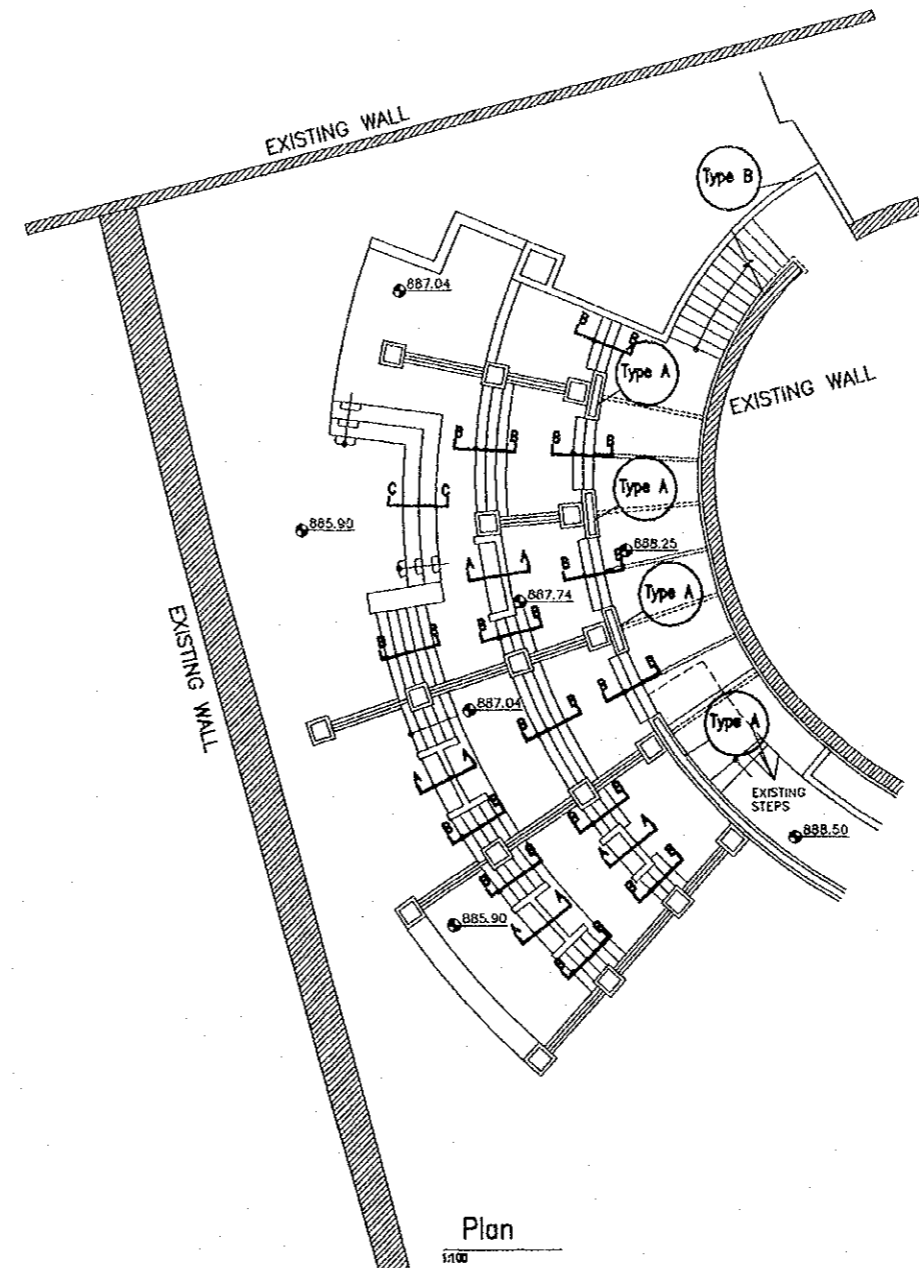
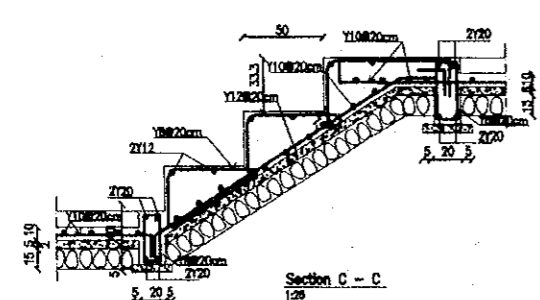
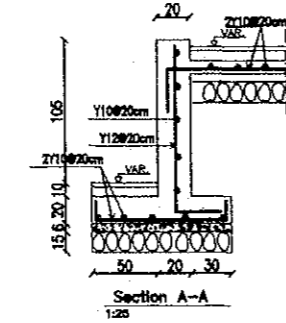
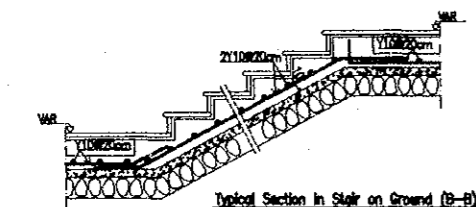
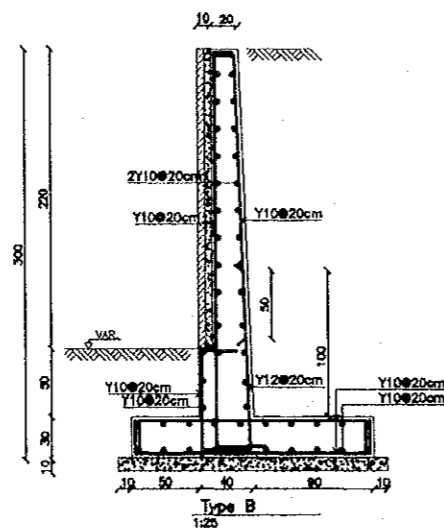
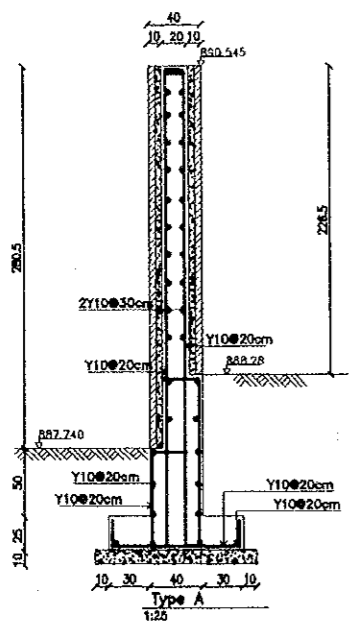
Footing Plan  
1:100



Section C - C  
1:25



Typical Section in Stair on Ground (T-T)  
1:25



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The depth of excavation for footing and bearing  
capacity of the soil should be verified by the  
contractor according to site soil conditions.  
The assumed bearing capacity for the soil is 2  
kg/cm<sup>2</sup>.

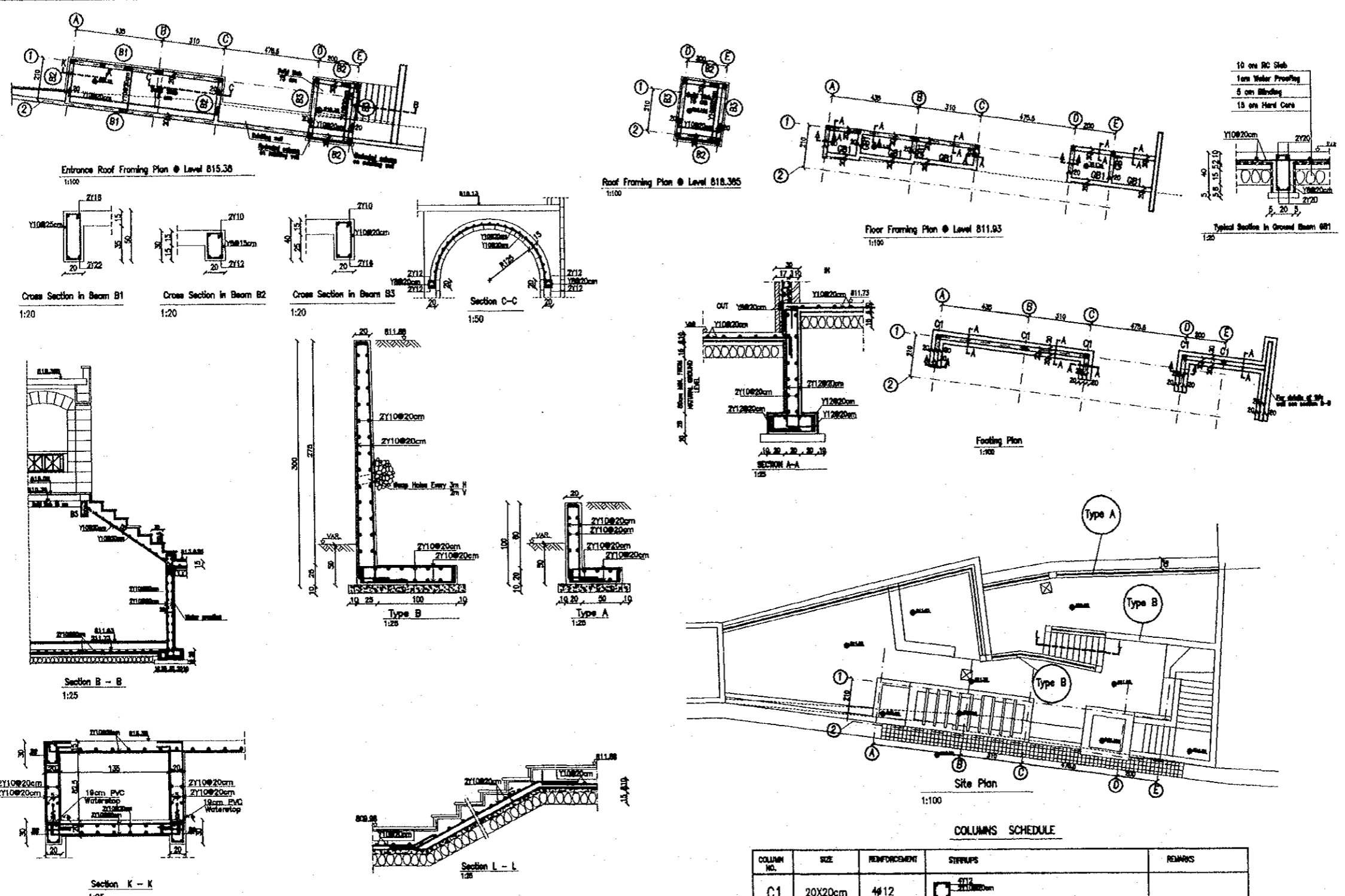
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Tourist Trails  
Drawing Title:  
Al - Shaer Lookout  
R.C. Details

Scale: | Drawing No.:  
As shown | SD.SL-004



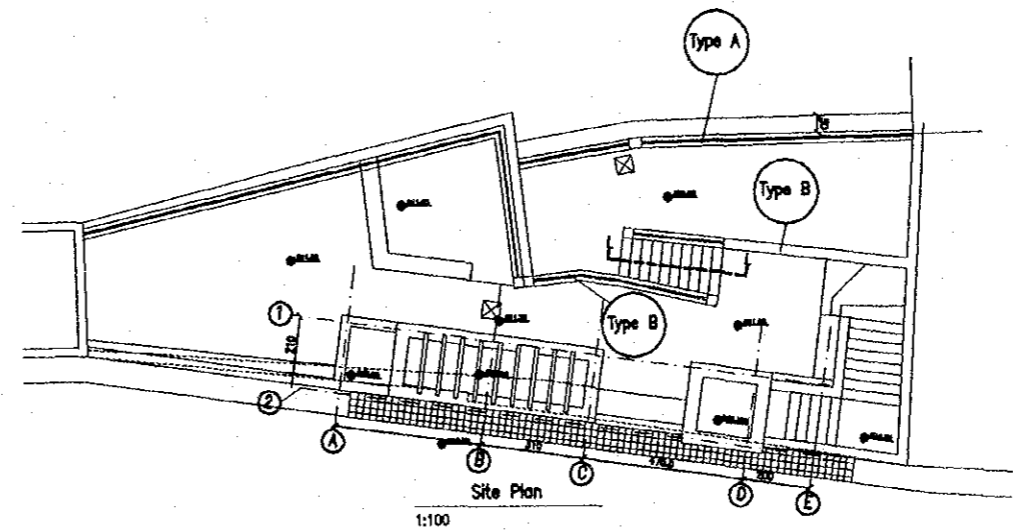
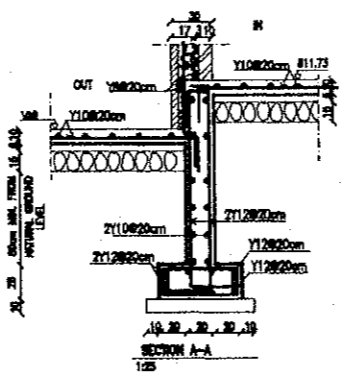
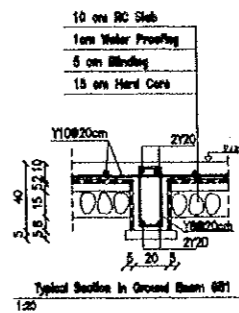


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The assumed bearing capacity for the soil is 2 kg/cm<sup>2</sup>.



COLUMNS SCHEDULE

COLUMN NO.	SIZE	REINFORCEMENT	STIRRUPS	REMARKS
C1	20X20cm	4φ12	□ Z120	

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Tourist Trails

Drawing Title:  
Jadaa Lookout  
R.C. Details

Scale: As shown Drawing No.: SD.SL-005

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**GENERAL NOTE :-**

IF THERE IS ANY DISCREPANCY BETWEEN THE FOLLOWING NOTES AND THE TECHNICAL SPECIFICATION, THE TECHNICAL SPECIFICATION SUPERSEDES THESE NOTES.

**A- AIR CONDITIONING & HEATING VENTILATION :-**

- 1- THESE MECHANICAL DRAWING SHALL BE USED FOR ALL AIR CONDITIONING, HEATING VENTILATING SYSTEM PURPOSE ONLY. DO NOT SCALE FROM THESE DRAWING.
- 2- THESE MECHANICAL DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS OF DIFFERENT TRADES FOR CO-ORDINATION PURPOSE.
- 3- THE CONTRACTOR OR CONTRACTORS SHALL PROVIDE COMPLETE SHOP DRAWINGS PRIOR TO COMMENCING OF WORK.
- 4- ALL MECHANICAL EQUIPMENTS AND ITEM REGARDING TO HVAC WORKS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ORDERING.
- 5- ALL INDICATING SIZES OF AIR OUTLETS ( DIFFUSERS, REGISTERS, GRILLES ) ARE THE ACTUAL NECK SIZES.
- 6- ALL REFRIGERANT SUCTION LINE SHALL BE COVERED WITH 1" ARMAFLEX INSULATION.
- 7- ALL REFRIGERANT SUCTION & LIQUID LINE EXPOSED ON ROOF SHALL HAVE AN ADDITIONAL 22 GAUGE ALUMINUM METAL COVER.
- 8- ALL A/C EQUIPMENT DRAIN TO BE CONNECTED TO NEAREST FLOOR DRAIN, UNLESS INDICATED OTHERWISE ON DRAWINGS.
- 9- ALL CHILLED, HOT & COOLING TOWER PIPING SHALL BE WELDED BLACK STEEL STANDARD WEIGHT WITH WALLEABLE WROUGHT IRON SCREWED FITTING FOR PIPES UP TO 2" IN DIAMETER AND WELDED FITTINGS FOR PIPES OVER 2" IN DIAMETER.
- 10- THE AUTOMATIC AIR VENT SHALL BE INSTALLED ON HIGHEST POINT OF SYSTEM INDIVIDUALLY ON EACH SEPERATE RISER.
- 11- ALL CONDENSATE DRAIN PIPING SHALL BE GALVANIZED STEEL WITH GALVANIZED SCREWED FITTINGS OR PVC TO BS4514.
- 12- INSULATION OF HVAC PIPING SYSTEM SHALL BE AS PER TECHNICAL SPECIFICATION.
- 13- HEATING PIPE IN THE BOILER ROOM AND IN THE SHAFTS SHOULD BE BLACK STEEL PIPES & ALL PIPES UNDER TILE SHOULD BE PEX PIPE IN SLEEVES.

**B- PLUMBING :-**

- 1- THESE PLUMBING DRAWINGS SHALL BE USED FOR PLUMBING PURPOSE ONLY. DO NOT SCALE FROM THESE DRAWINGS.
- 2- THESE PLUMBING DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS OF DIFFERENT TRADES FOR CO-ORDINATION PURPOSE.
- 3- THE CONTRACTOR OR CONTRACTORS SHALL PROVIDE COMPLETE SHOP DRAWINGS PRIOR TO COMMENCING OF WORK.
- 4- ALL EQUIPMENTS & SANITARY FIXTURES AND ANY ITEM RELATED TO PLUMBING WORKS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ORDERING.
- 5- ALL ABOVE GROUND DRAINAGE PIPE WORKS (RAIN WATER, SOIL, WASTE & VENT PIPES) SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ORDERING.
- 6- ALL COLD & HOT WATER LINE S SHALL BE GALVANIZED IRON PIPES & PEX PIPES WITH SLEEVES.
- 7- ISOLATING GATE VALVE SHOULD BE PROVIDED IN EVERY INDIVIDUAL TOILETS BATH ROOM & KITCHEN.
- 8- ALL UNDER GROUND DRAINAGE PIPES CONNECTED TO MANHOLES, SEPTIC TANK PER COLATING PIT, SHALL BE UPVC TO BS 4680 AS MANUFACTURED BY MARLEY OF APPROVED EQUAL.
- 9- ALL DOMESTIC WATER PIPES SHALL BE INSULATED AS PER TECHNICAL SPECIFICATION.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—S—	SOIL PIPE / WASTE PIPE	FD	FREE DISCHARGE
—RW—	RAIN WATER PIPE	M	MANHOLE
—OF—	OVER FLOW PIPE	HL	HIGH LEVEL
—V—	VENT PIPE	CL	COVERT LEVEL
—DCWS—	DOMESTIC COLD WATER SUPPLY	INLL	INLET LEVEL
—DHS—	DOMESTIC HOT WATER SUPPLY	OUTL	OUTLET LEVEL
—DHR—	DOMESTIC HOT WATER RETURN	UT	UNDER TILE
—I—	IRRIGATION WATER	UG	UNDER GROUND
—TS—	TANK SUPPLY PIPE	US	UNDER SLAB
—PW—	POTABLE WATER PIPE	T.L.O.P	TOP LEVEL OF PIPE
—EXP—	EXPANSION LINE	B.L.O.P	BOTTOM LEVEL OF PIPE
—HWS—	HEATING WATER SUPPLY PIPE	C.L.P	CALVANISED LINE PIPE
—HWR—	HEATING WATER RETURN PIPE	DM	DROP MANHOLE
HB	HOSE BIB	WM	WATER METER
—FV—	FLOAT VALVE	WCO	WALL CLEAN OUT
—PEU—	PIPE ELBOW UP	FCO	FLOOR CLEAN OUT
—PTU—	PIPE TEE UP	BFS	BELOW FLOOR SLAB
—PED—	PIPE ELBOW DOWN	UG	UNDER GROUND
—PTD—	PIPE TEE DOWN	IW	IN WALL
—CIR—	CAST IRON RADIATOR	DN	DOWN
SS/SV	SOIL STACK / STACK VENT	□	MANHOLE
W	WASTE	■	BALCONY DRAIN
VS	VENT STACK	■	ROOF DRAIN
RW	RAIN WATER	■	FLOOR DRAIN
FD	FLOOR DRAIN	⊙	ROOF VENT CAP
RD/BD	ROOF DRAIN / BALCONY DRAIN	—E—	CLAENOUT FOR UNBURRIED PIPES
RVC	ROOF VENT CAP	FHC	FIRE HOSE REEL CABINETES

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Tourist Trails

Drawing Title:  
GENERAL NOTES & LEGEND

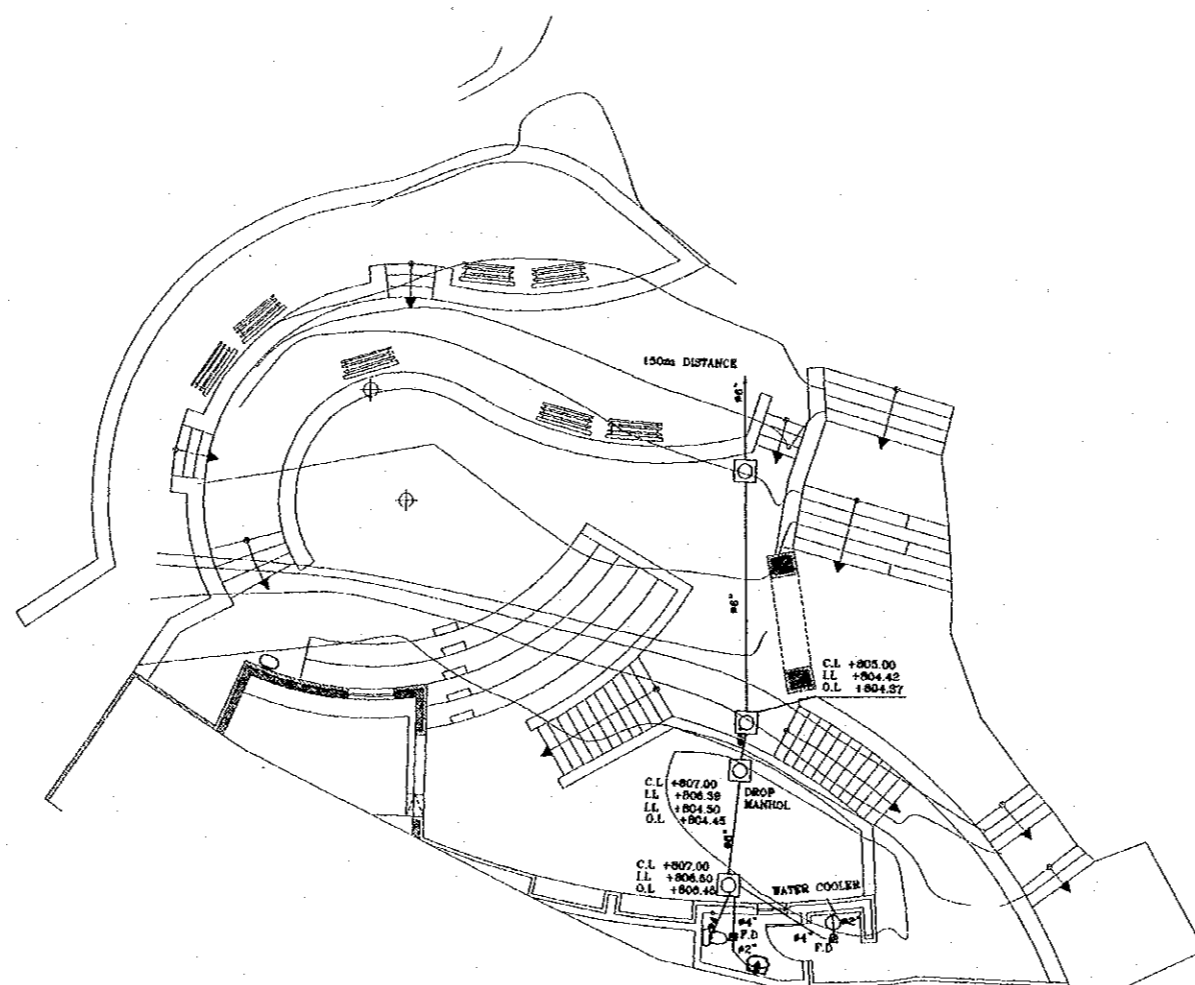
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Lookouts

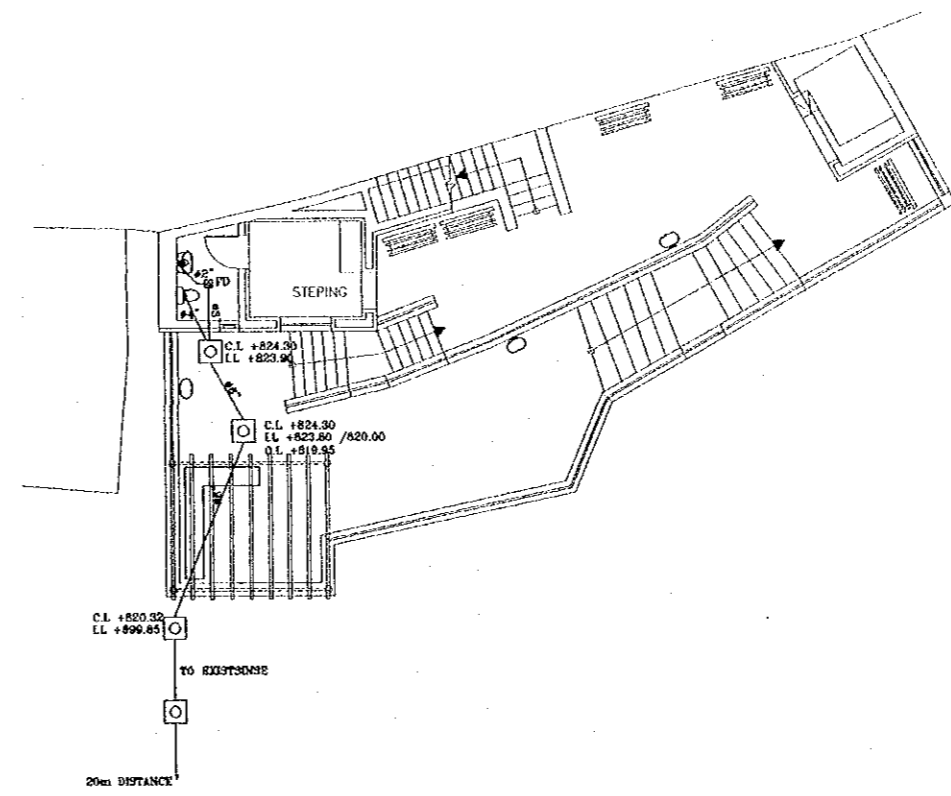
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DRAINAGE SYSTEM

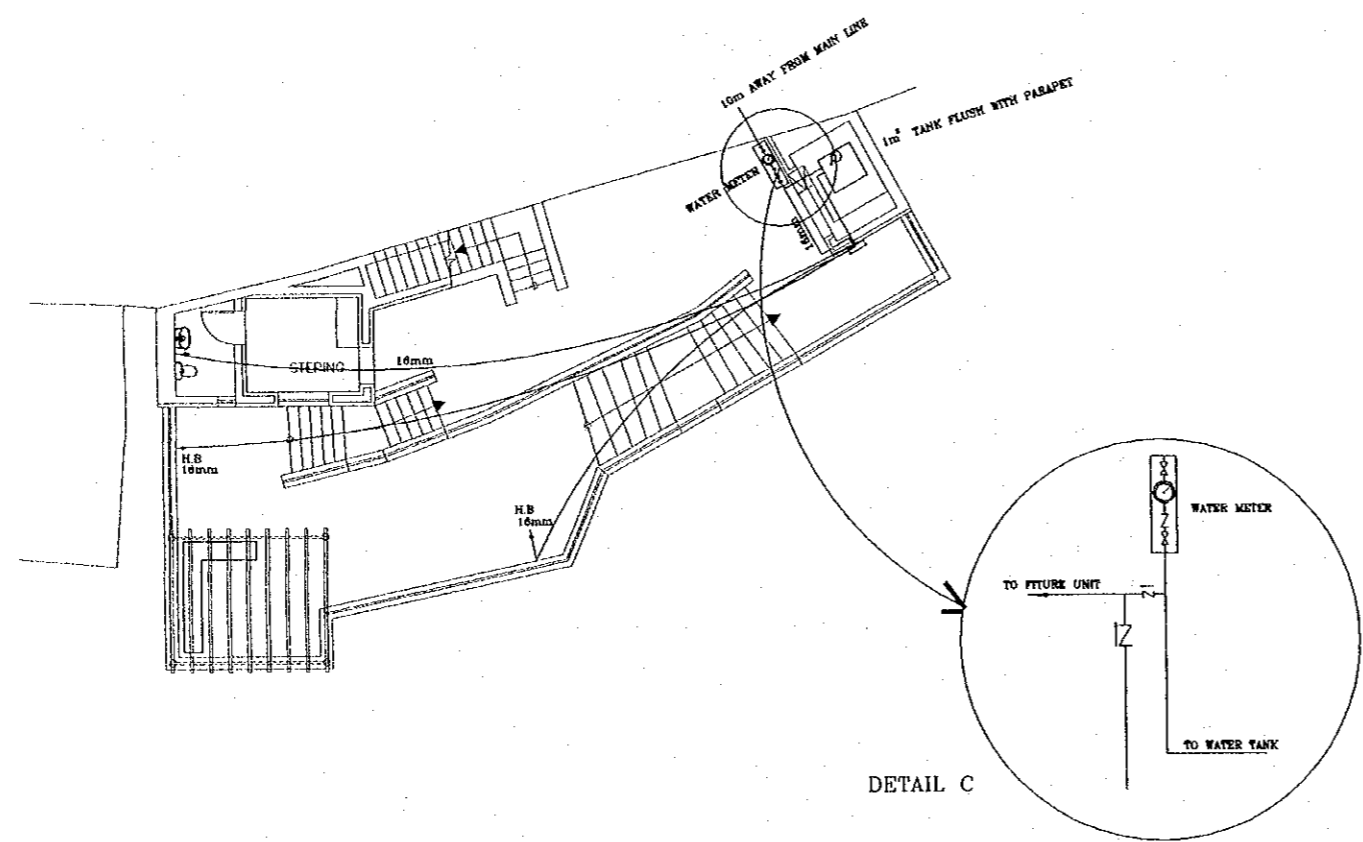
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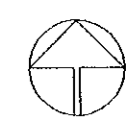
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DRAINAGE SYSTEM FOR AL-QALAA



WATER SYSTEM FOR AL-QALAA



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Lookouts  
Drawing Title:  
Qalaa Lookout  
Drainage System & WATER SYSTEM

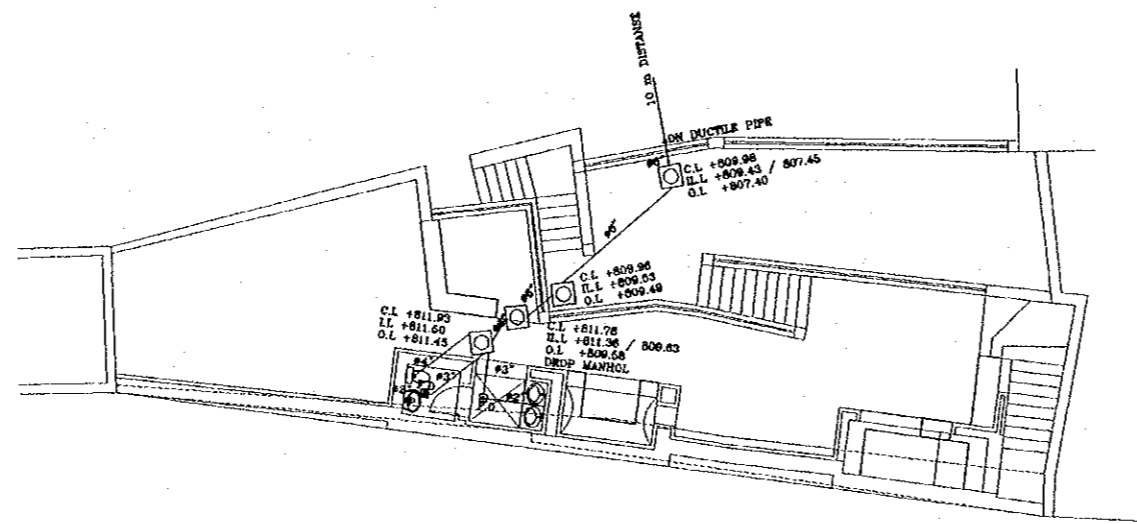
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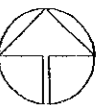
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DRAINAGE SYSTEM FOR JADAA



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Drawing Title:  
JADAA LOOKOUT  
DRAINAGE SYSTEM

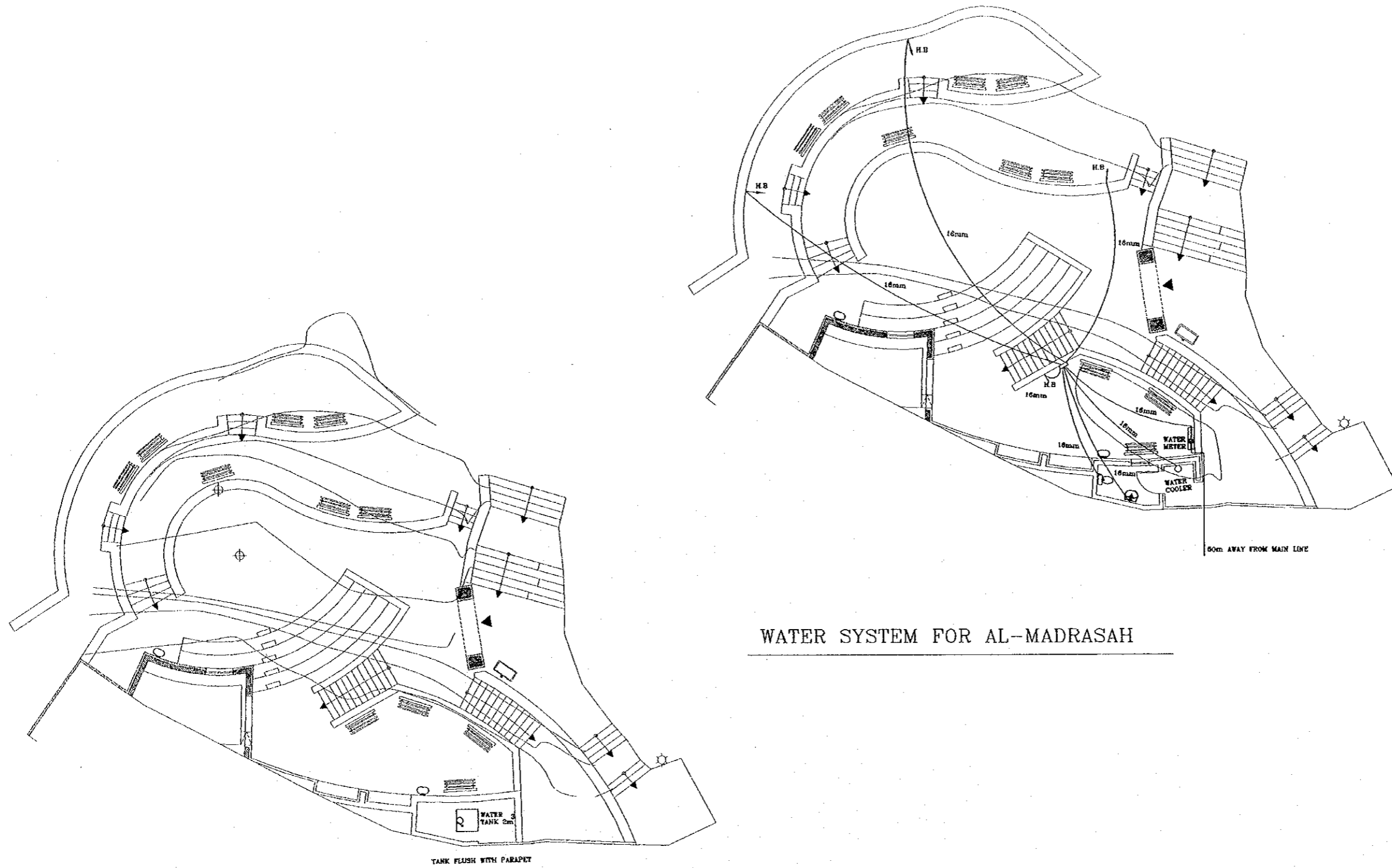
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Tourism Sector Development Project  
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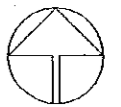
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WATER SYSTEM FOR AL-MADRASAH



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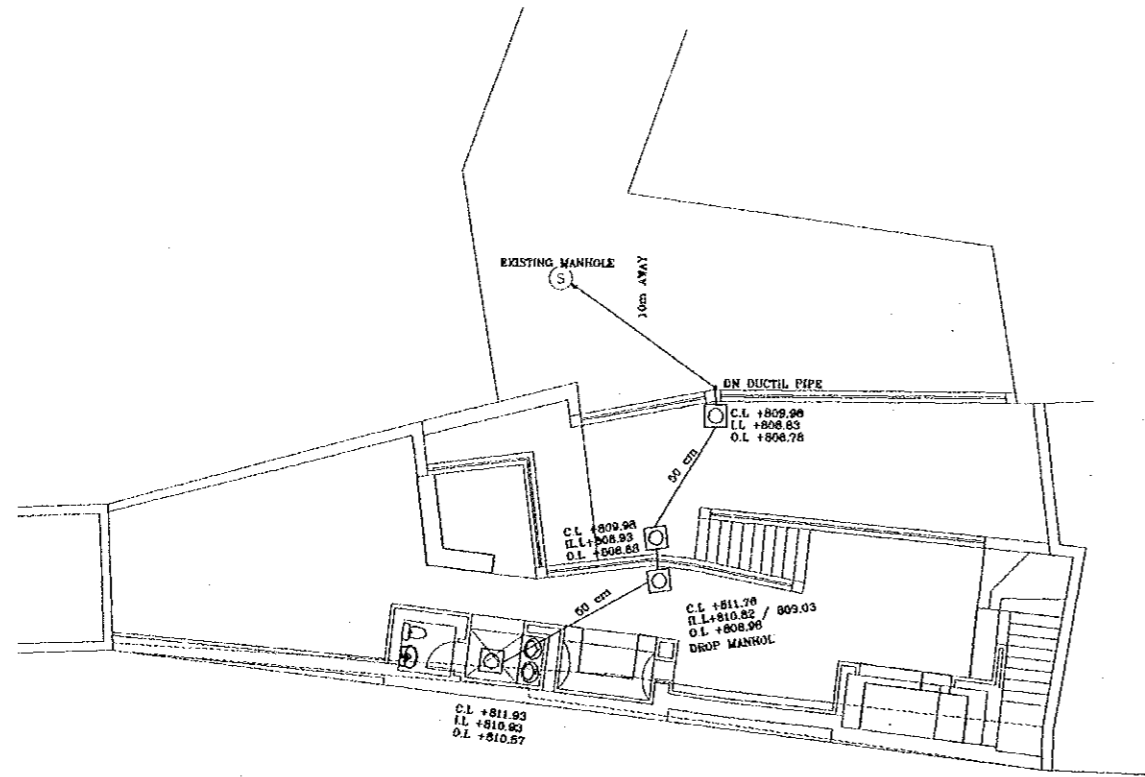
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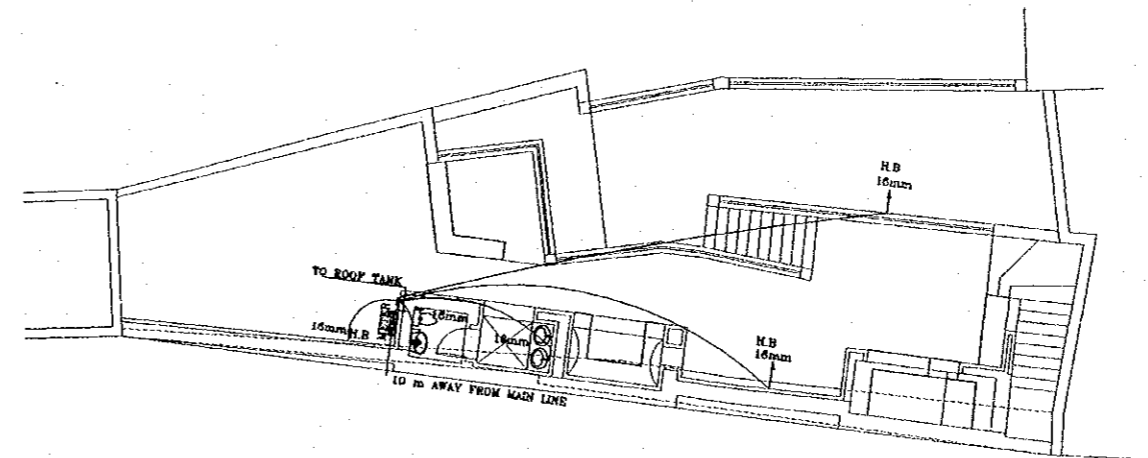
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Lookouts  
Drawing Title:  
MADRASAH LOOKOUT  
WATER SYSTEM

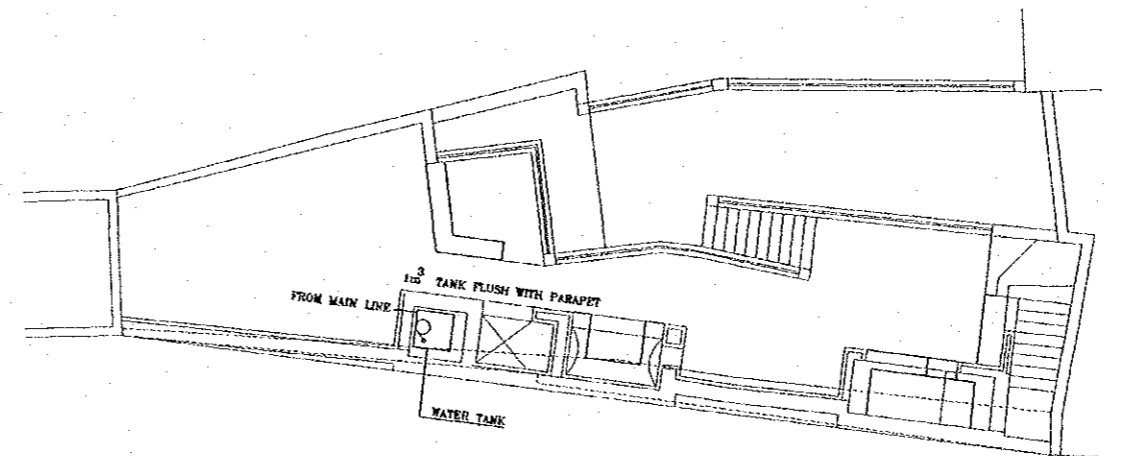
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RAIN WATER SYSTEM FOR JADAA



WATER SYSTEM FOR JADAA

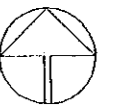


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Lookouts  
Drawing Title:  
JADAA LOOKOUT  
RAIN WATER SYSTEM  
WATER SYSTEM

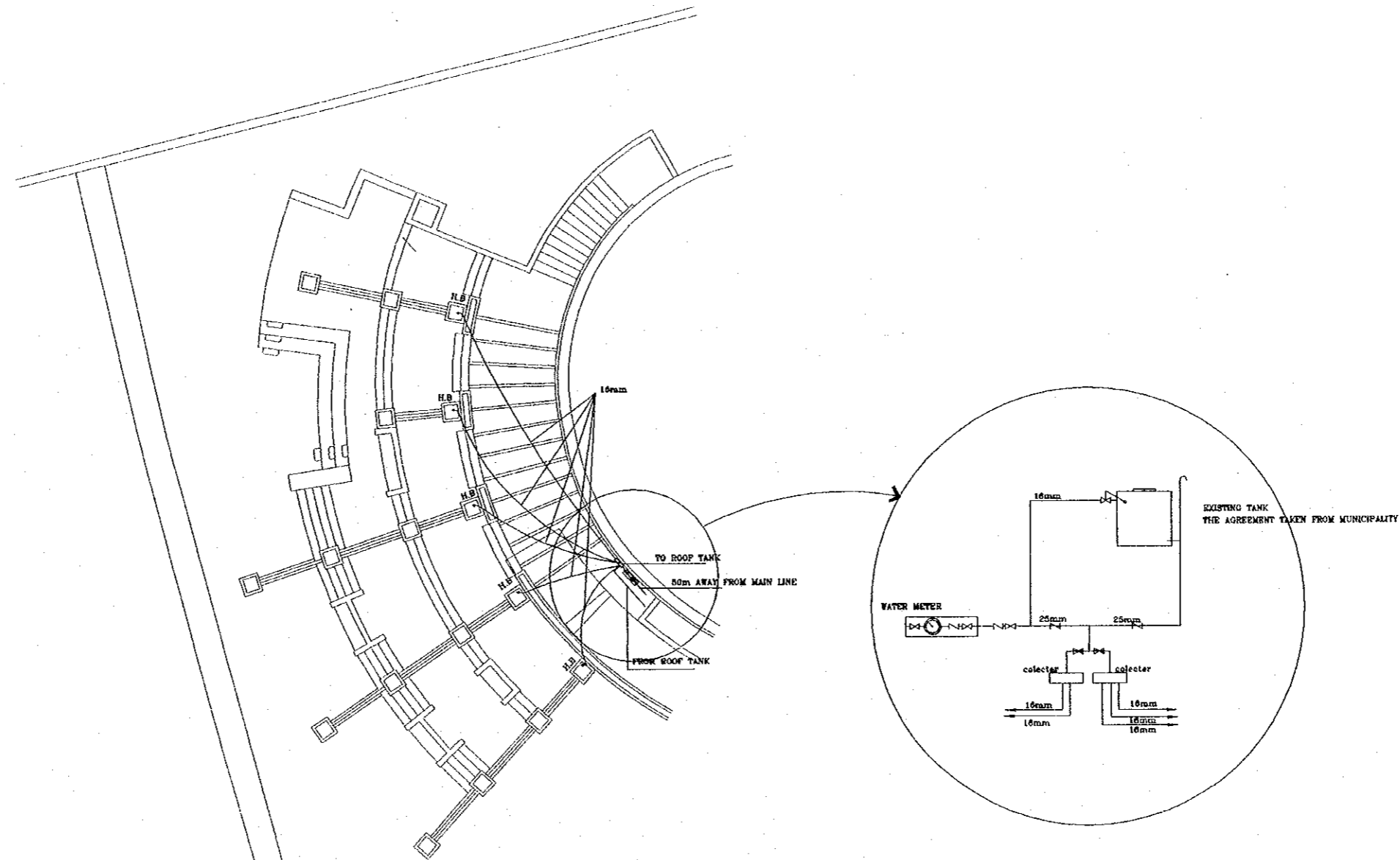
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DETAIL B

WATER SYSTEM FOR KAMAL AL-SHAER

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Lookouts  
Drawing Title:  
Kamal Al-Shaer  
WATER SYSTEM

Scale: 1:100  
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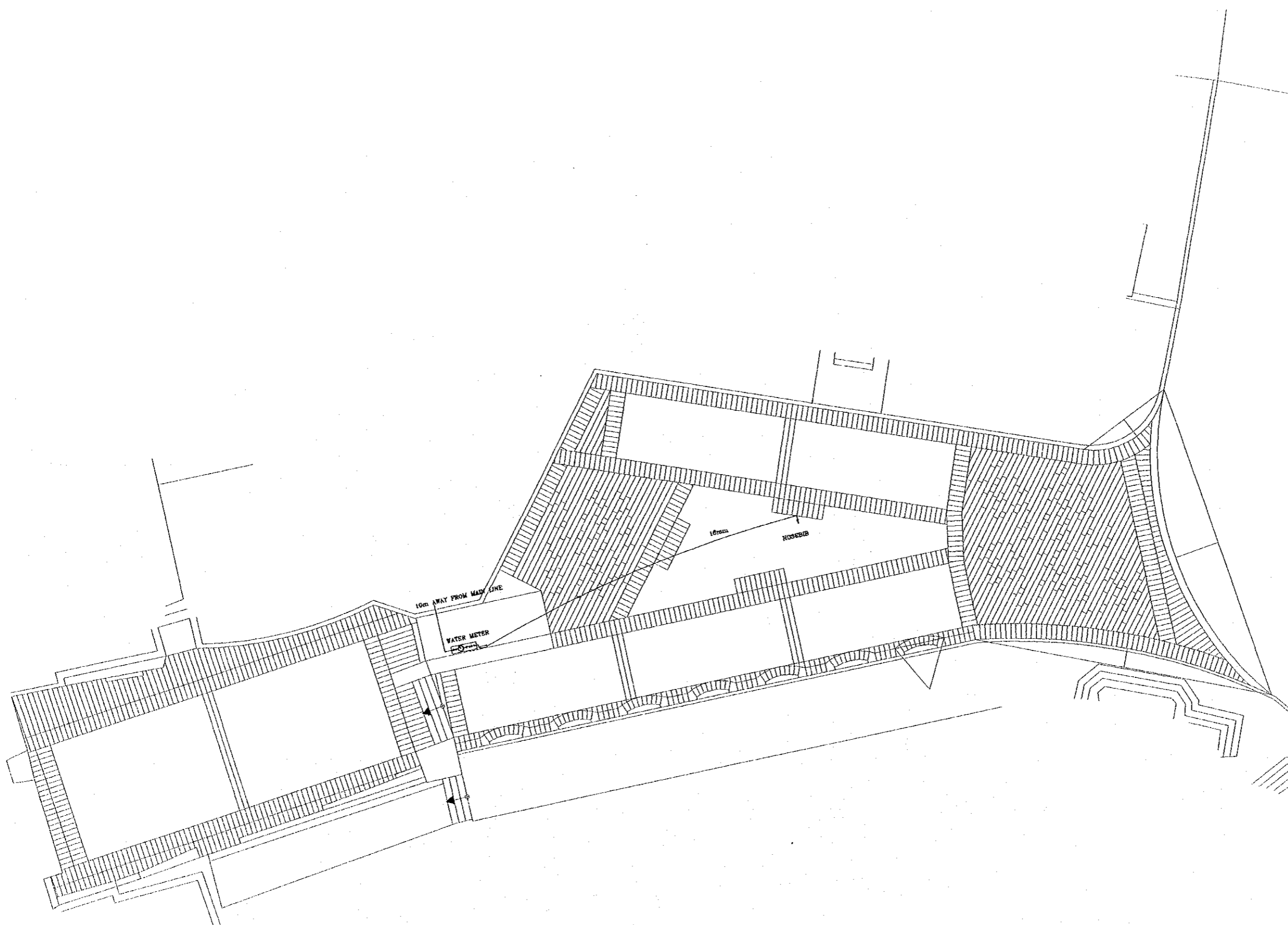


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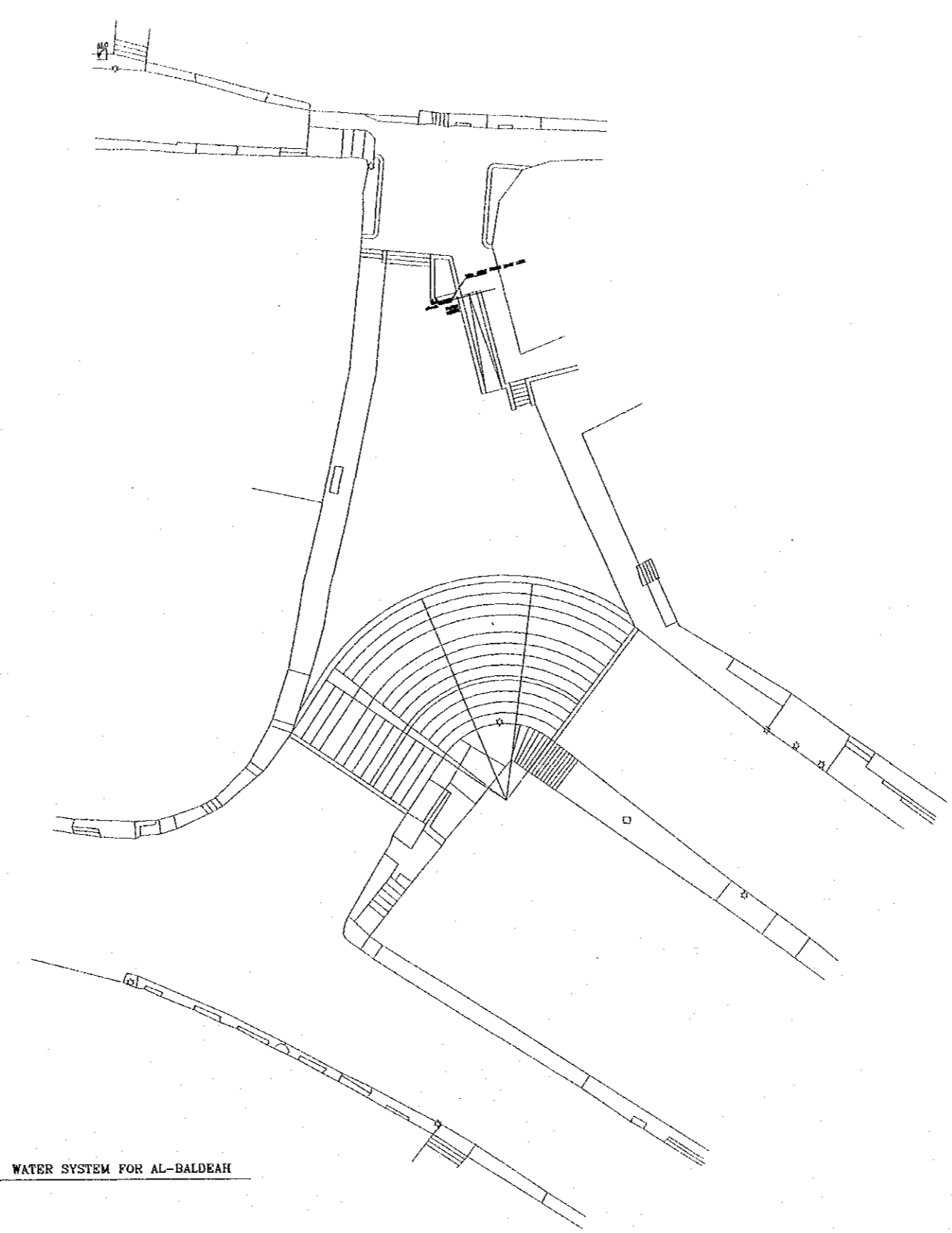
WATER SYSTM FOR AL-HAMMAM

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DATE | JUNE- 10 / 2000

Plazas  
Drawing Title:  
HAMMAM plaza  
WATER SYSTEM

Scale: | Drawing No.:  
1:200 | SD.MP-01



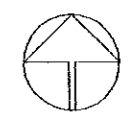
WATER SYSTEM FOR AL-BALDEAH

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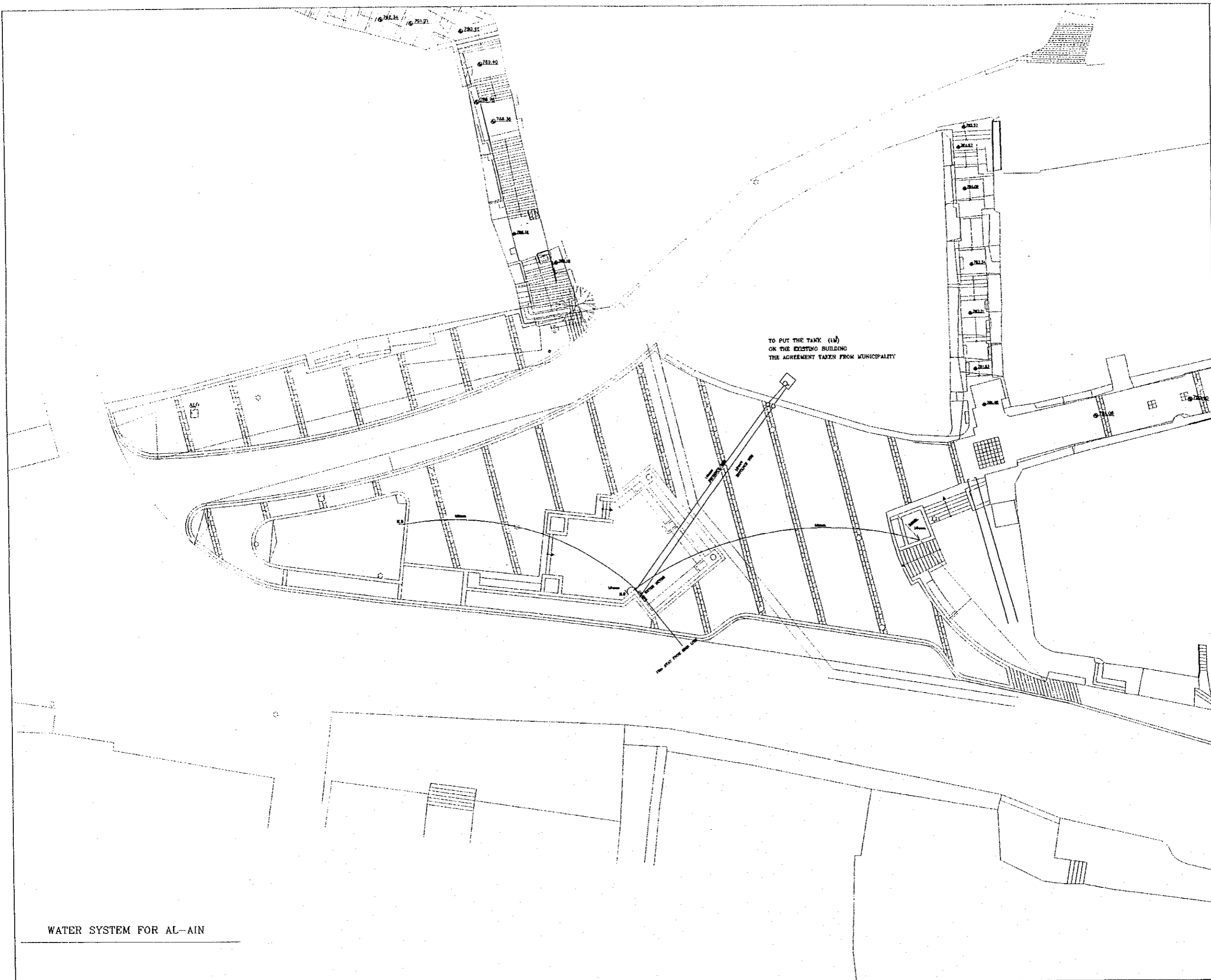


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PLAZAS  
Drawing Title:  
BALDEAH PLAZA  
WATER SYSTEM

Scale: 1:200	Drawing No.: SD.MP-02
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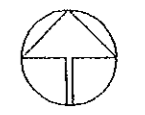
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TO PUT THE TANK (1M)  
 ON THE EXISTING BUILDING  
 THE AGREEMENT TAKEN FROM MUNICIPALITY



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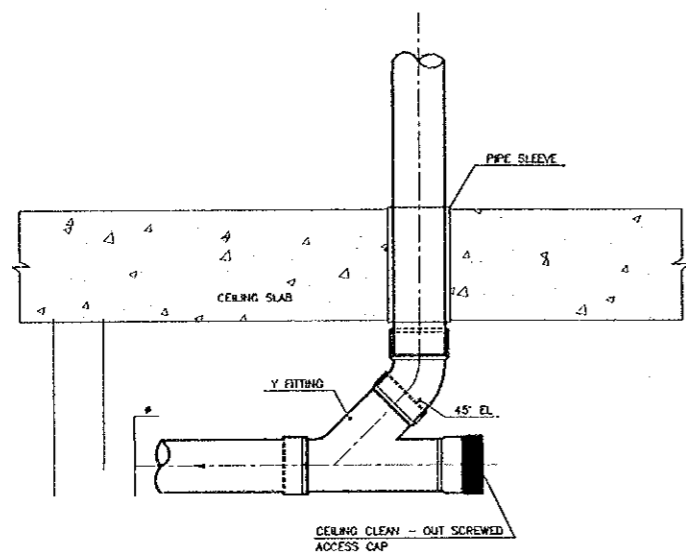
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Drawing Title:  
**Plazas**  
 Ain Plaza  
 WATER SYSTEM

Scale: 1:150	Drawing No.: SD.MP-03
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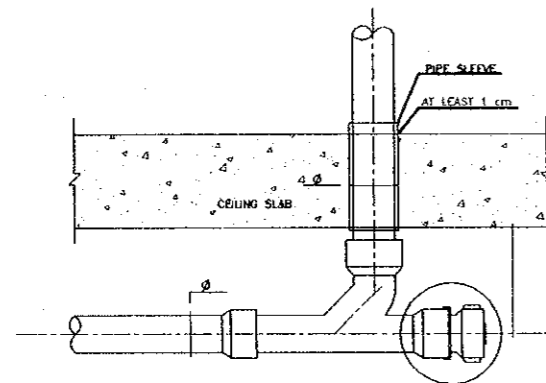
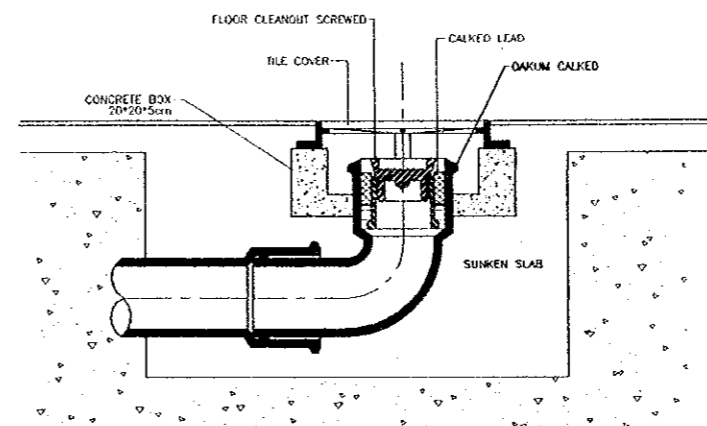
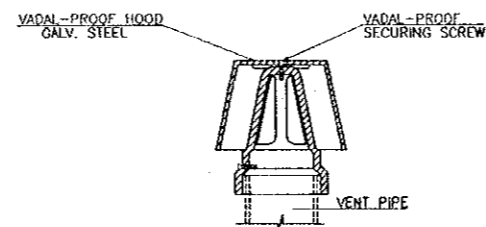
WATER SYSTEM FOR AL-AIN

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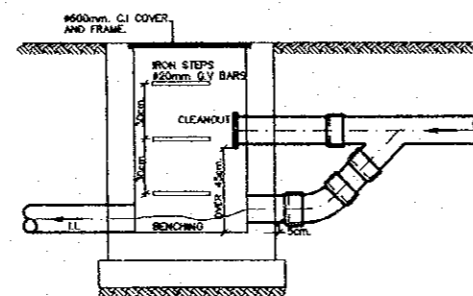
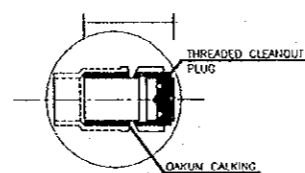
UPVC CEILING CLEAN-OUT DETAIL

	3" (150mm)	4" (150mm)	6" (150mm)
o	255mm	310mm	440mm
o	220mm	250mm	360mm

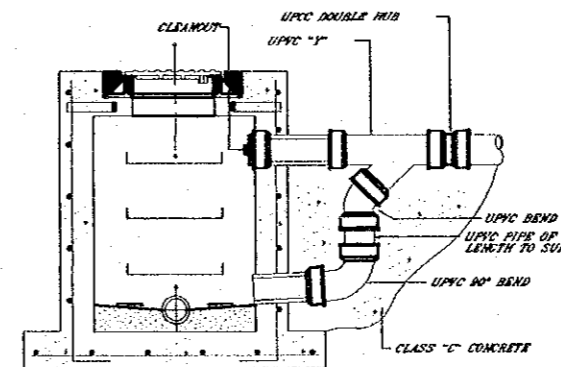


CEILING CLEANOUT  
DETAIL

	3"	4"	5"
o	28.8 cm	30.8 cm	39.7 cm
C	12 cm	12.7 cm	12.7 cm

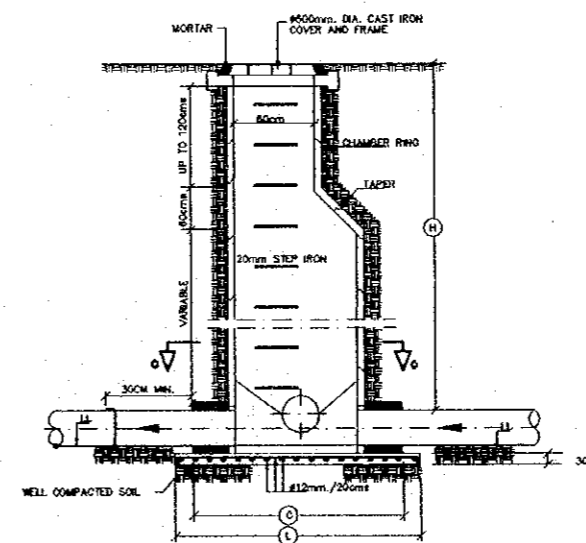


DROP MANHOLE DETAIL



NOTE:  
ALL OTHER DETAILS SAME AS REGULAR MANHOLE

DROP MANHOLE



SEWAGE MANHOLE DETAIL

Designed by:  
Japan International Cooperation  
Agency (JICA)

JICA Study Team:  
Joint Venture of  
Pacific Consultants International and  
Yamasita Sekkei Inc.

Subcontracted Local Consultant:  
TBAH Consultants  
Architects, Engineers

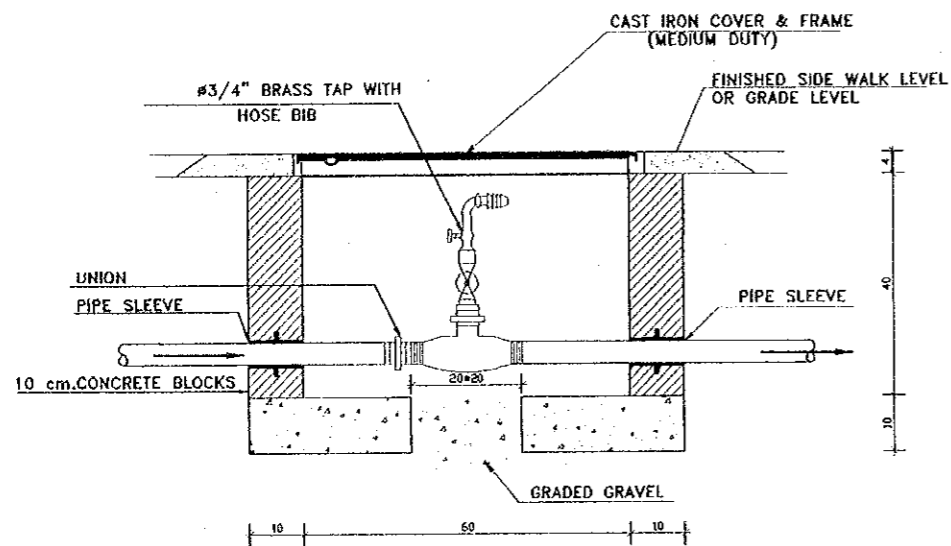
DATE: JUNE-10 / 2000

Tourist Trails

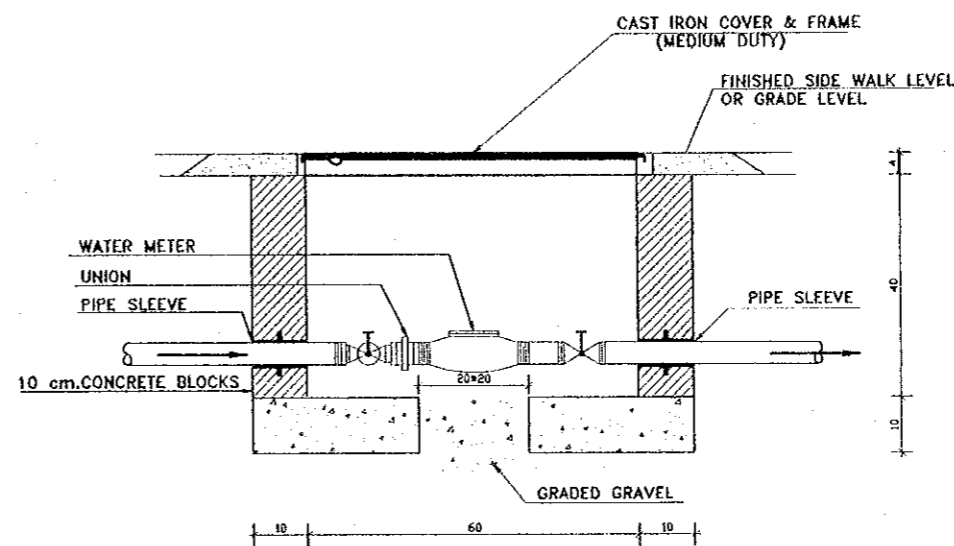
Drawing Title:  
DETAILS-1

Scale:  
Drawing No.:  
SD.MD-01

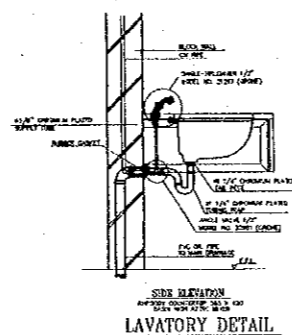
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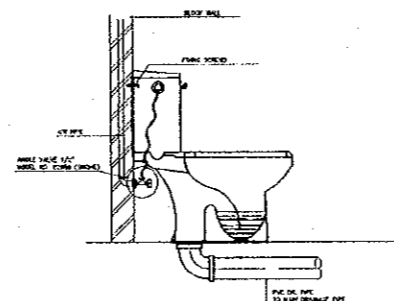
**WATER METER MANHOLE  
DETAIL**  
SCALE 1:10



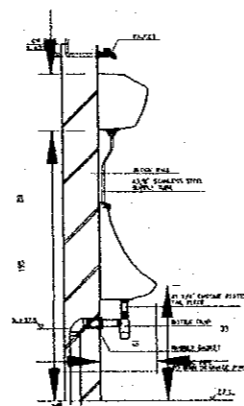
**WATER METER MANHOLE  
DETAIL**  
SCALE 1:10



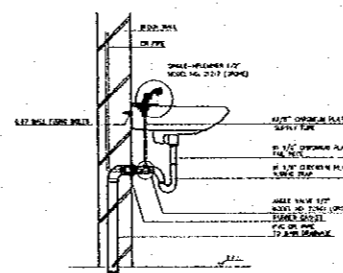
**LAVATORY DETAIL**



**W.C. DETAIL**



**URINAL DETAIL**



**LAVATORY DETAIL**

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JICA Study Team:  
Joint Venture of  
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Yamashita Sekkei Inc.

Subcontracted Local Consultant:  
**TIBAH** Consultants  
Architects, Engineers

DATE: JUNE-10 / 2000

Tourist Trails  
Drawing Title:  
DETAILS-1

Scale: Drawing No.:  
SD.MD-02