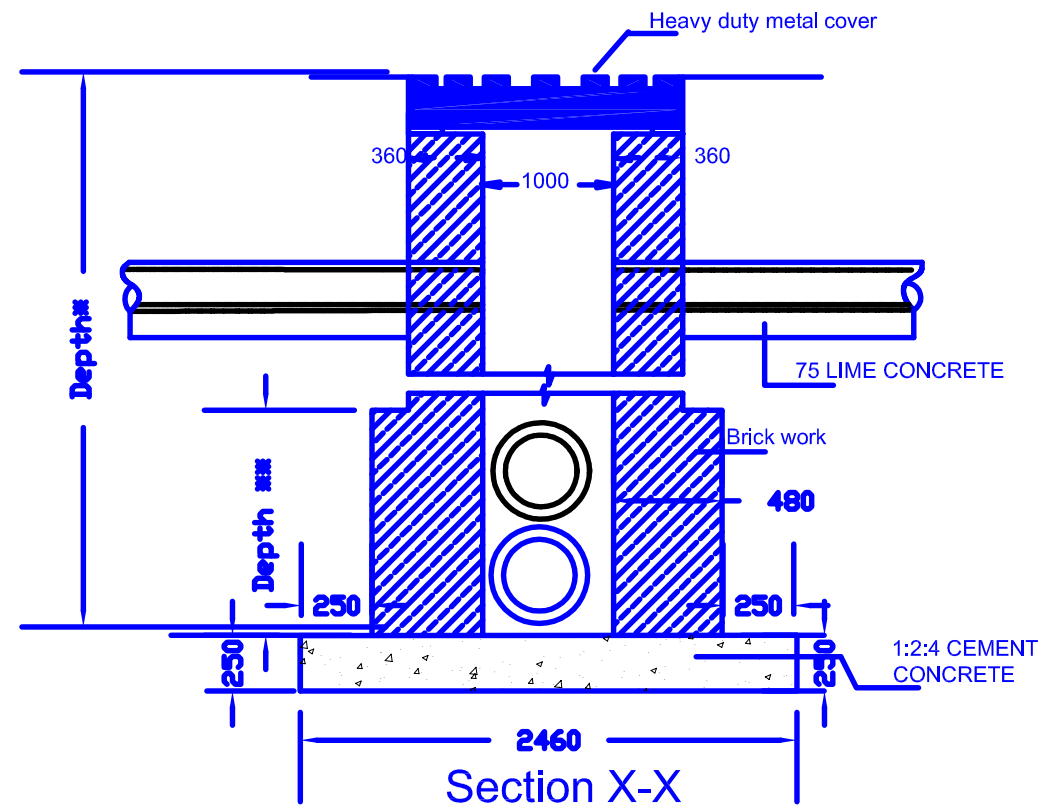


Note : All Dimensions in (mm)

Detail of Squared Catch Basin  
(Inlet ) 800x800 -Type B

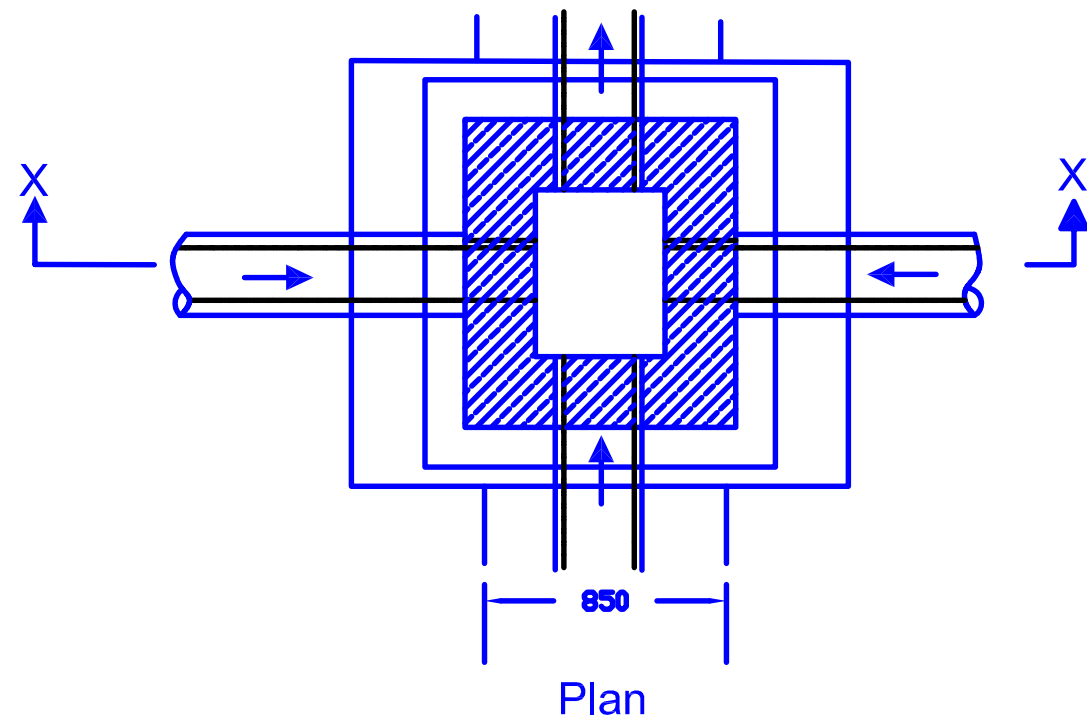
Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	Drawing No. D-12	Rev: 0	Drawn by : H.A
			Dwg Title: Detail of catch basin (inlet) Type B	Scale not to scale	Date: 8-5-2005	Checked by: H.A



Depth \* =The depth above the crown level of the highest pipe (either inflow or outflow pipe) should be least 600 and the depth below the invert level of the lowest pipe should be at least 200 mm.

Depth \*\* =1/3 of the total depth of manhole from bottom

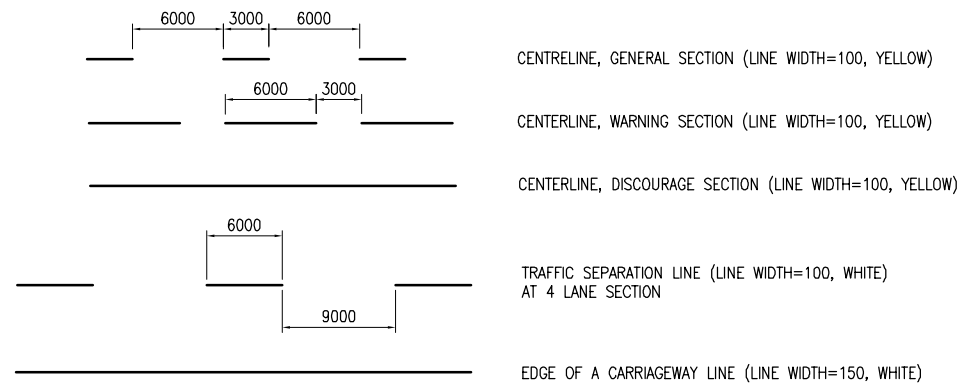
Note :1- The crown level of the outlet pipe should be the invert of the lowest inlet pipe  
2- All dimensions are in (mm)



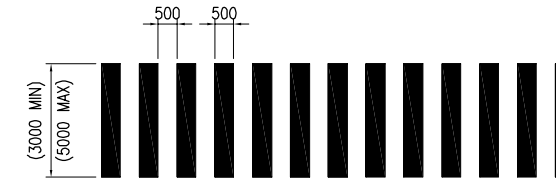
Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	Drawing No. D-13	Rev: 0	Drawn by : H.A
			Dwg Title: DETAIL OF MANHOLE	Scale not to scale	Date: 8-5-2005	Checked by: H.A

# ROAD MARKING DETAILS

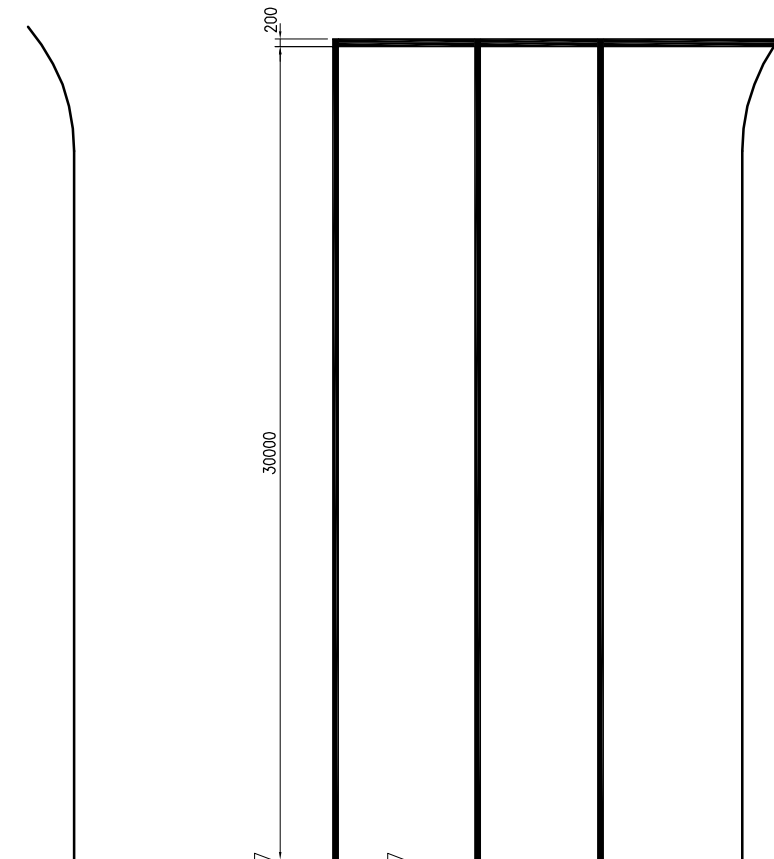
## LINE MARKINGS



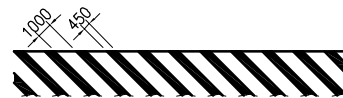
## PEDESTRIAN CROSSING MARKING



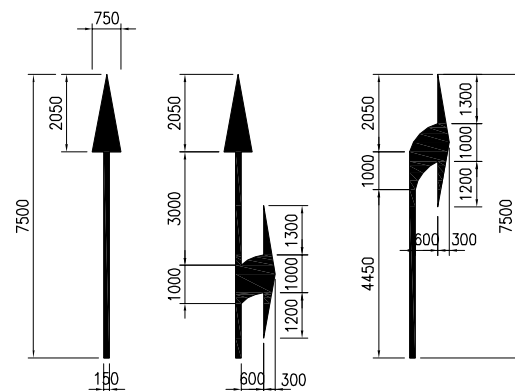
## STOP LINE MARKING



## ZEBRA MARKING



## ARROWS

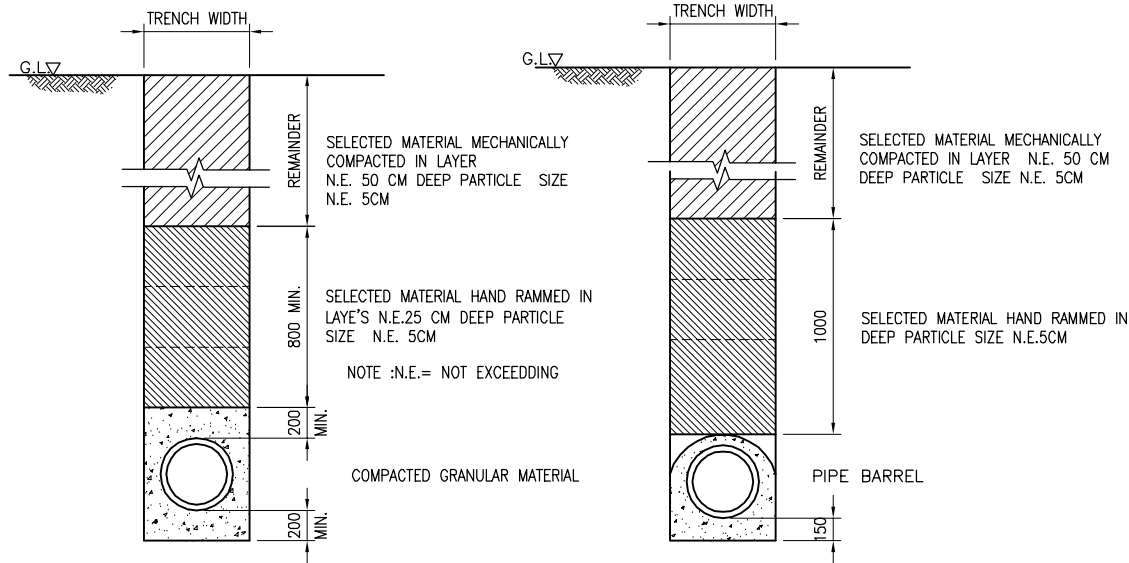


C:\I\BAG\FROM APRIL 2005\WORKING DRAWINGS\05\ E-01 ROAD MARKING DETAILS.DWG Modified: May 05, 2005 4:38 PM

Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : <b>REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN</b>	Drawing No. E-1	Rev:	Drawn by :
			Dwg Title: <b>ROAD MARKING DETAILS</b>	Scale AS SHOWN	Date:	Checked by:

**SPECIFIED SCHEDULE OF BACKFILLING OF PIPE EXCAVATIONS**

SCALE 1:50

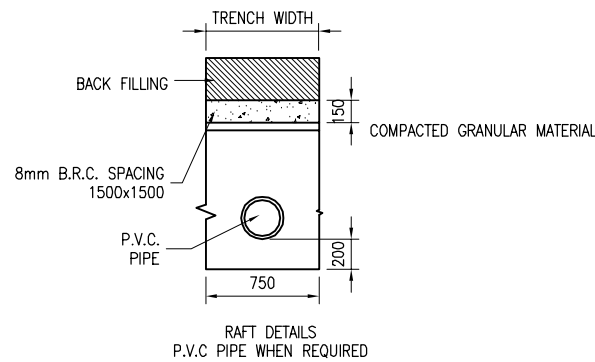


**METHOD A**

TRENCH OVER PIPE LAID WITHOUT CONCRETE PROTECTION

**METHOD B**

TRENCH OVER PIPE LAID WITH CONCRETE PROTECTION (BEDDING HAUNCHING & COMPLETE SURROUND)

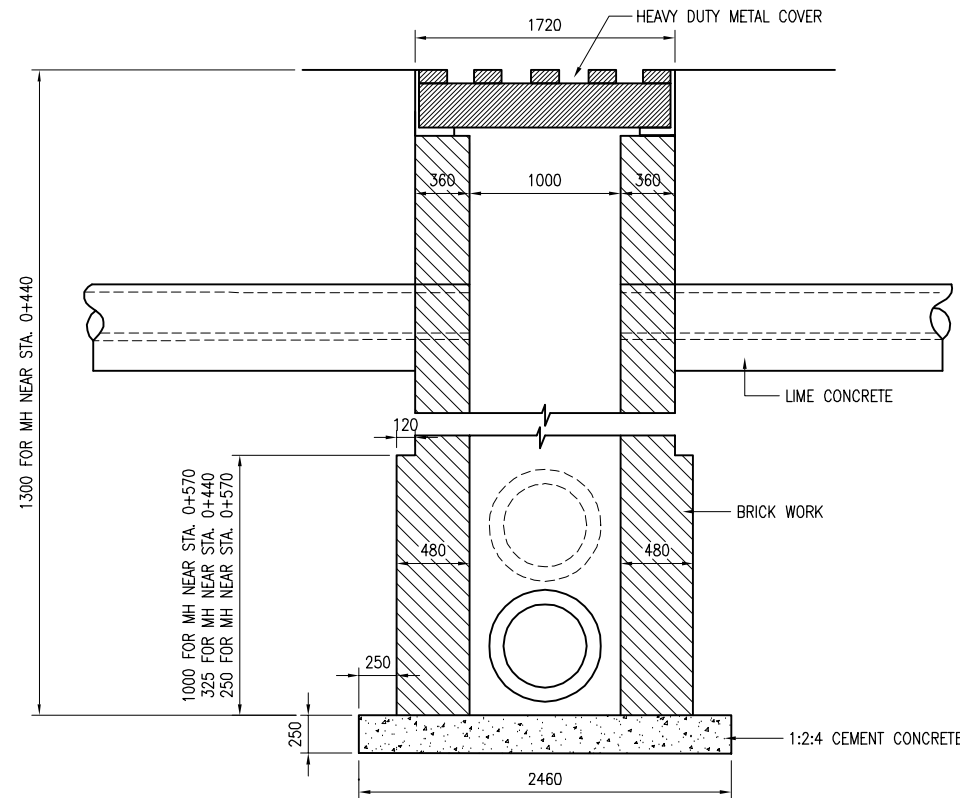


**COMPACTED GRANULAR MATERIAL**

MIXTURE OF COARSE SANDS AND GRAVELS WITH MAX PARTICLE SIZE OF 20MM INCLUDING VARIOUSLY GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINE GENERALLY GRANULAR AND NON COHESIVE EITHER WET OR DRY

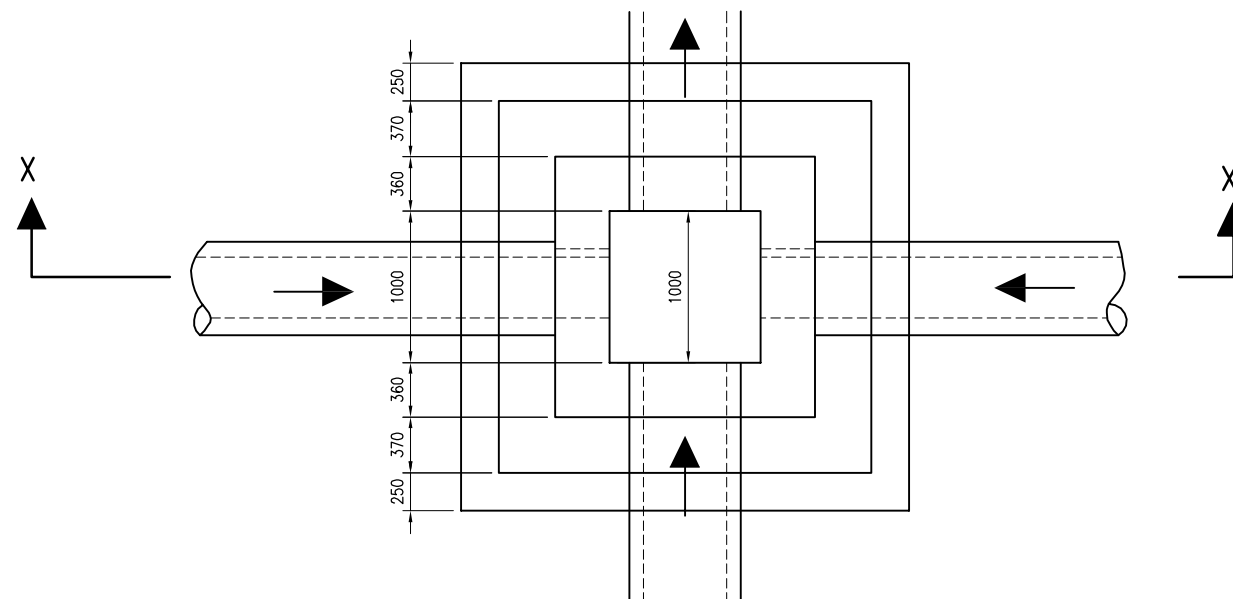
**MANHOLE DETAIL**

SECTION X-X  
SCALE 1:50



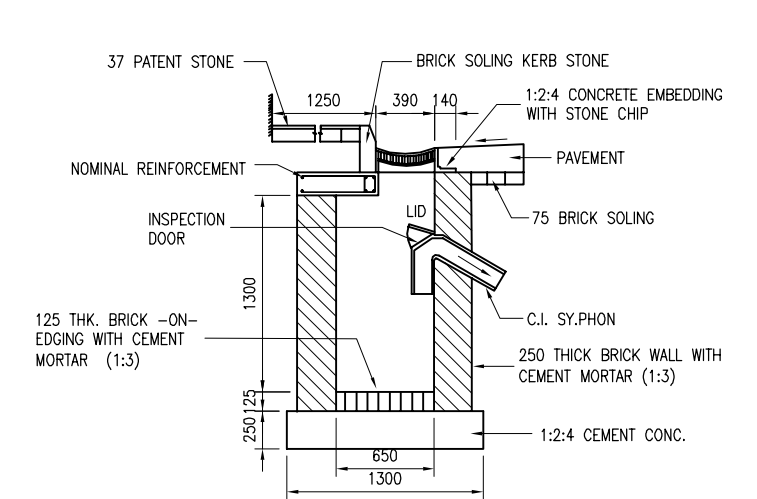
NOTE:  
THE CROWN LEVEL OF THE OUTLET PIPE SHOULD BE THE INVERT OF THE LOWEST INLET PIPE

PLAN  
SCALE 1:50



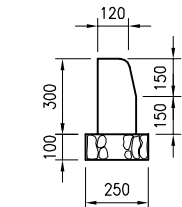
**INLET DETAIL**

SCALE 1:50



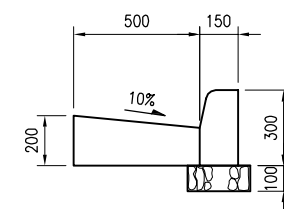
**CURB TYPE-A**

SCALE 1:30



**L-GUTTER TYPE-B**

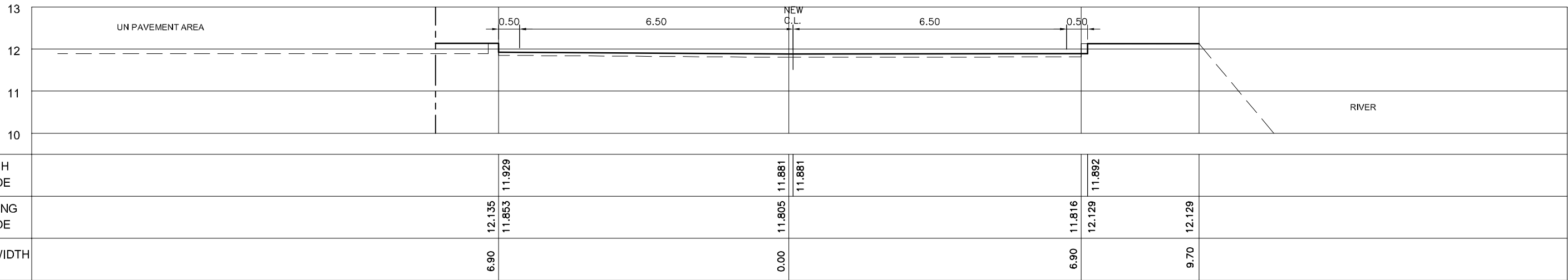
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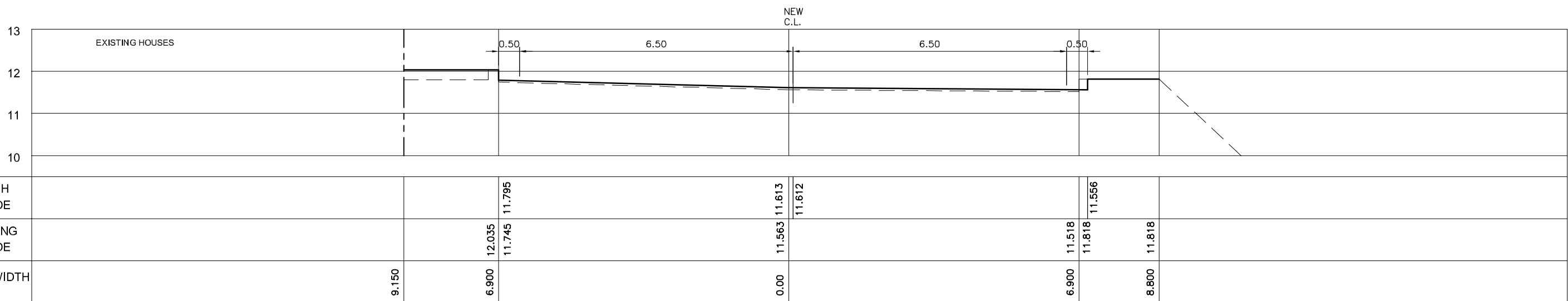
C:\PRACTICE\2005\WORKING DRAWINGS\06\E-02 CURB, L-GUTTER, INLET ETC.DWG A3 File: May 06, 2005 6:59 PM

Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : <b>REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN</b>	Drawing No. E-2	Rev:	Drawn by :
			Dwg Title: <b>DETAIL OF CONCRETE CURB, L-GUTTER, INLET, MANHOLE PIPE EXCAVATION</b>	Scale AS SHOWN	Date:	Checked by:

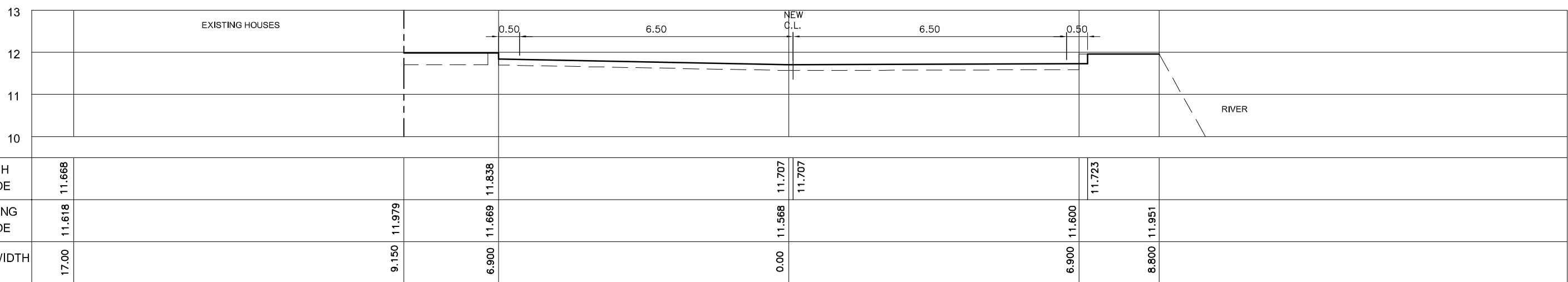
C:\IPAC\FROM APRIL 2015 WORKING DRAWINGS\06A E-03 CROSS SECTION.DWG (1) May 08, 2005 2:44 PM



STA. 0+200



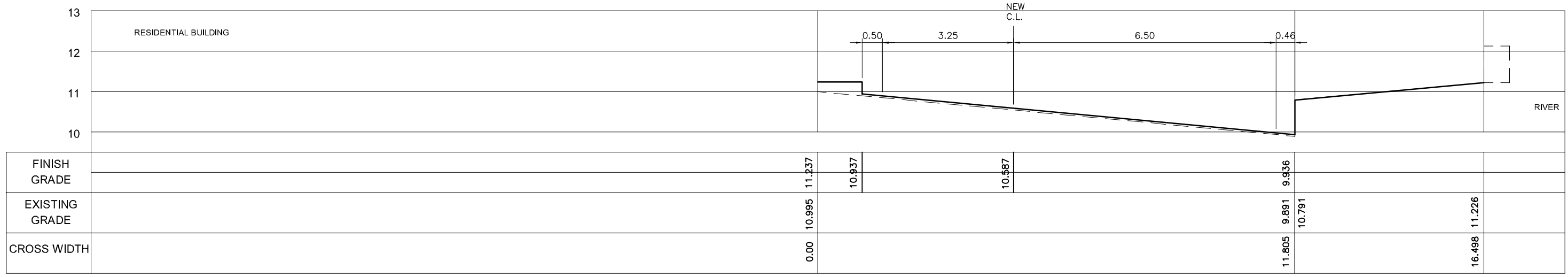
STA. 0+100



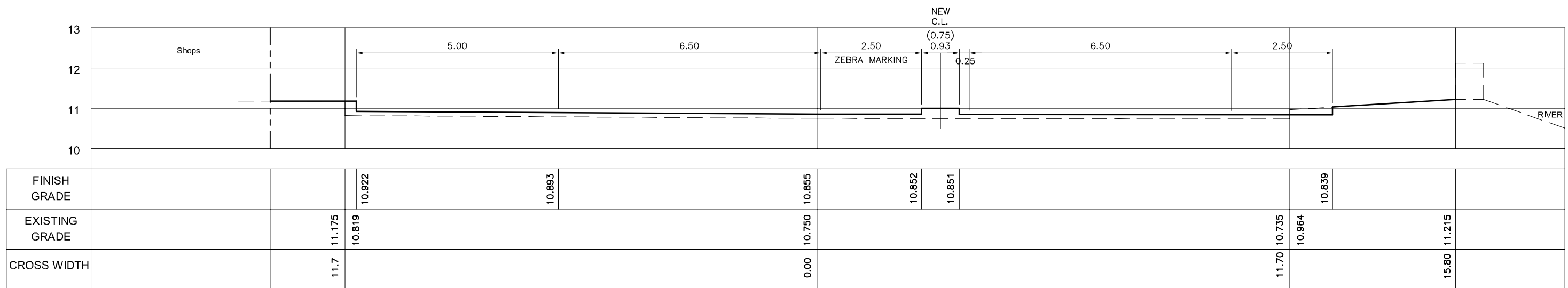
STA. 0+030

<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> E-3	<b>Rev:</b>	<b>Drawn by :</b>
			<b>Dwg Title:</b> CORNISH STREET CROSS SECTION (1/5)	<b>Scale</b> 1:100	<b>Date:</b>	<b>Checked by:</b>

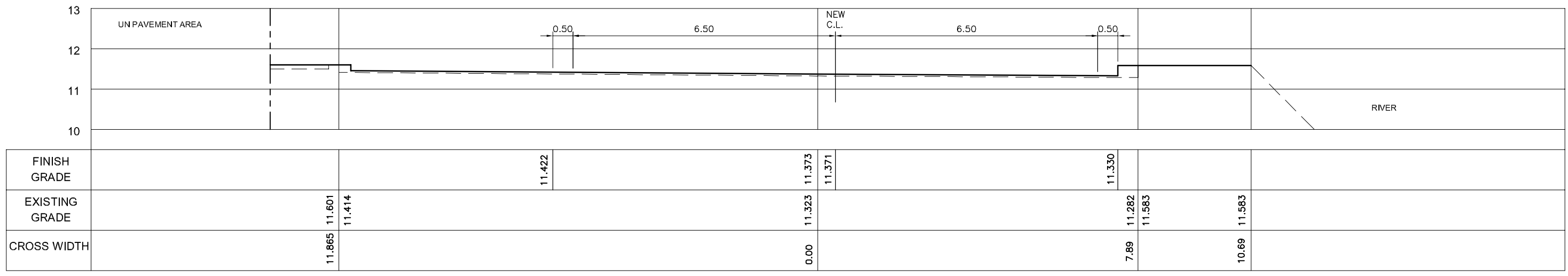
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STA. 0+500



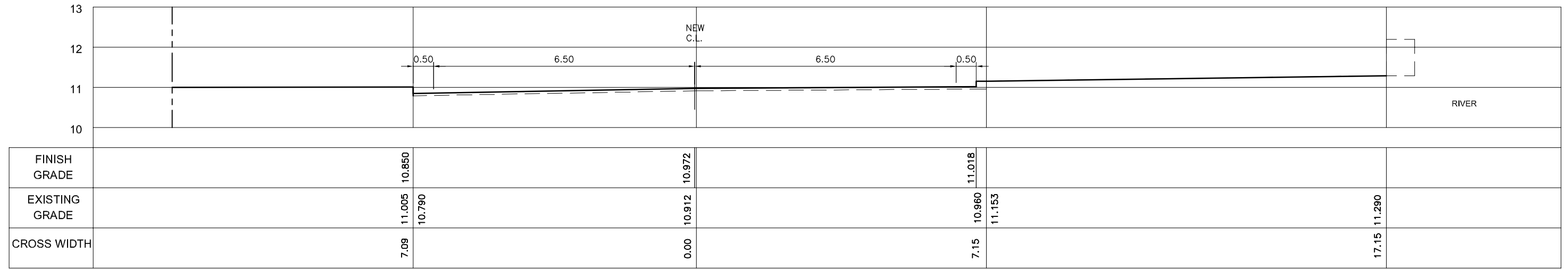
STA. 0+400



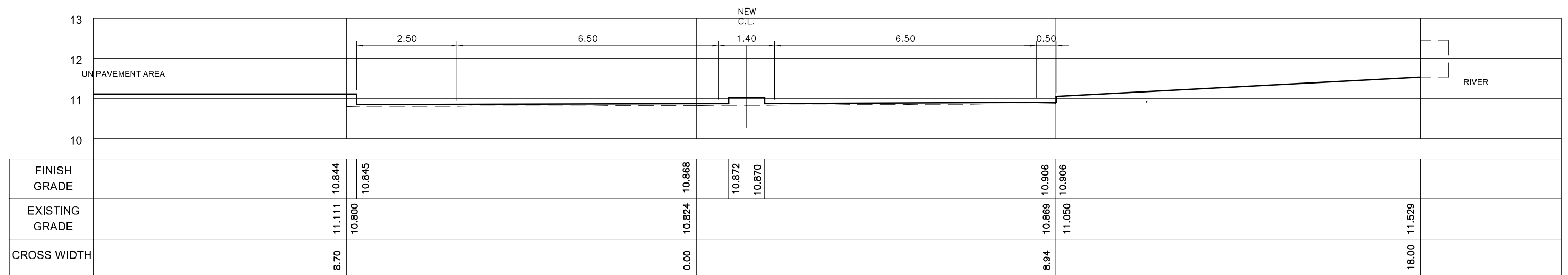
STA. 0+300

<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> E-4	<b>Rev:</b>	<b>Drawn by :</b>
			<b>Dwg Title:</b> CORNISH STREET CROSS SECTION (2/5)	<b>Scale</b> 1:100	<b>Date:</b>	<b>Checked by:</b>

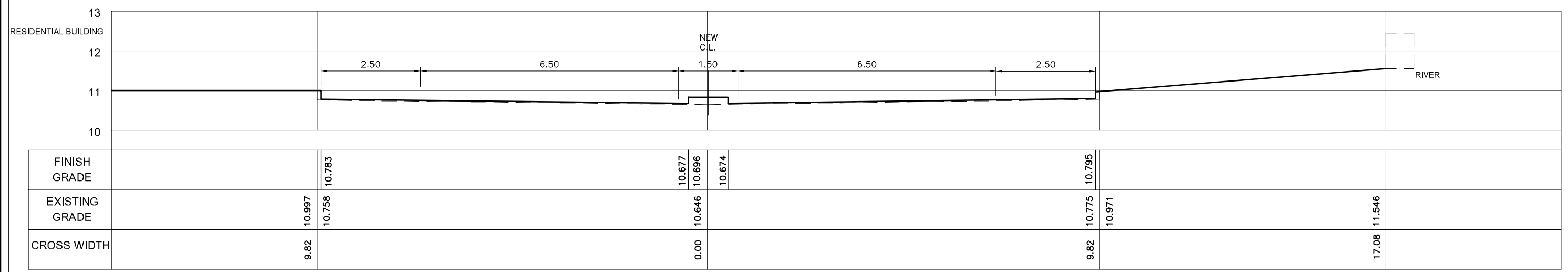
C:\PAC\FROM APRIL 2015 WORKING DRAWINGS\106A E-03 CROSS SECTION.DWG (3) May 08, 2005 2:44 PM



STA. 0+800



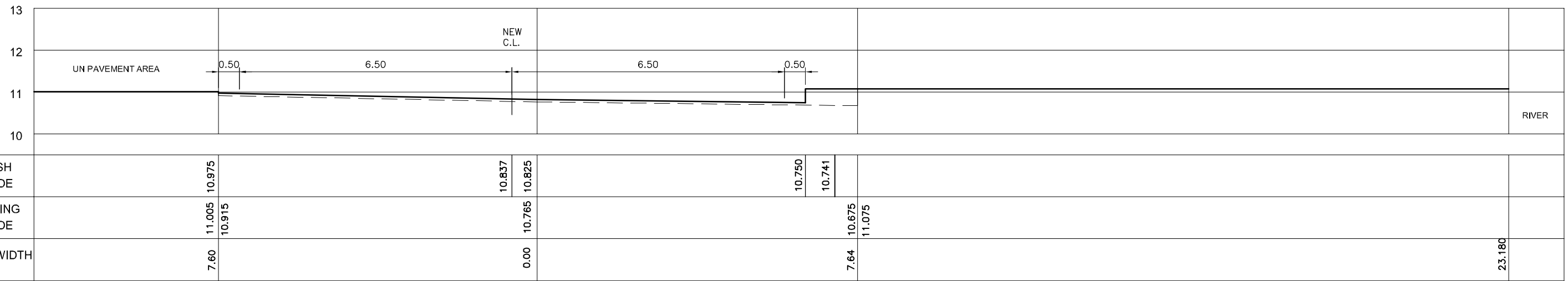
STA. 0+700



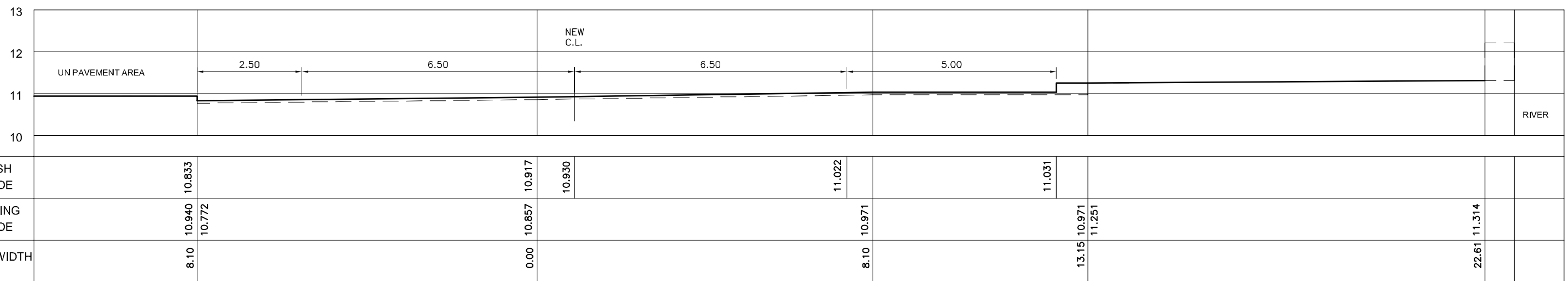
STA. 0+600

Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : <b>REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN</b>	Drawing No. E-5	Rev:	Drawn by :
			Dwg Title: CORNISH STREET CROSS SECTION (3/5)	Scale 1:100	Date:	Checked by :

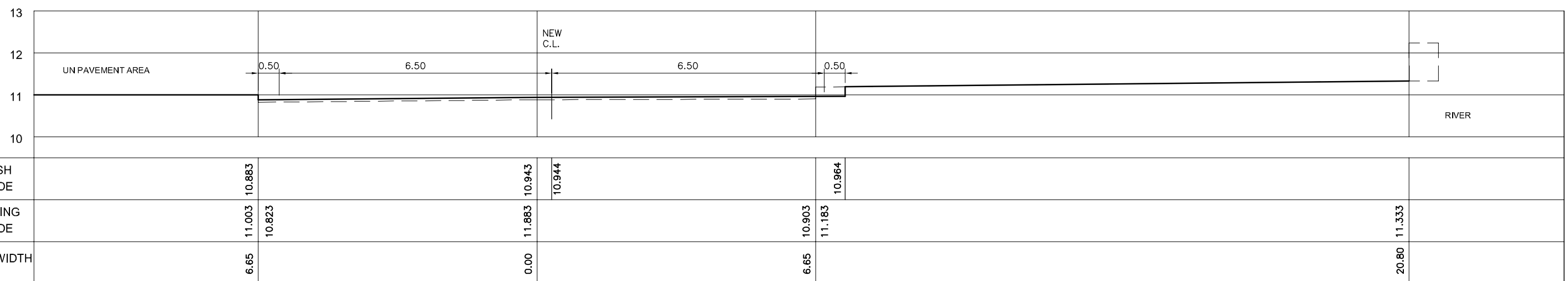
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STA. 1+100



STA. 1+000

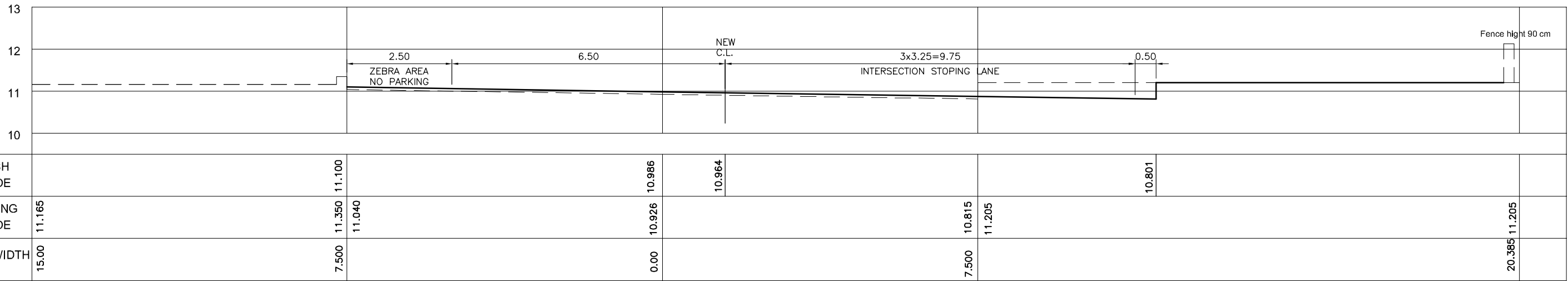


STA. 0+900

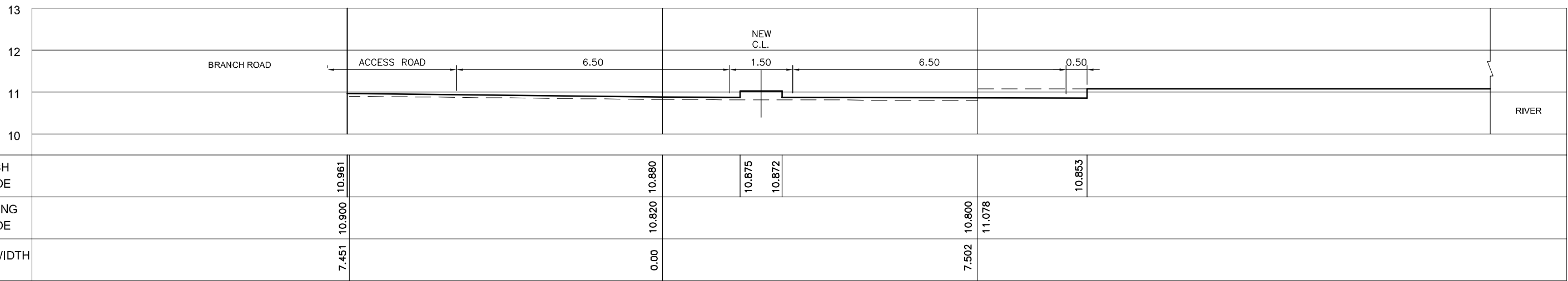
<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> E-6	<b>Rev:</b>	<b>Drawn by :</b>
			<b>Dwg Title:</b> CORNISH STREET CROSS SECTION (4/5)	<b>Scale</b> 1:100	<b>Date:</b>	<b>Checked by:</b>



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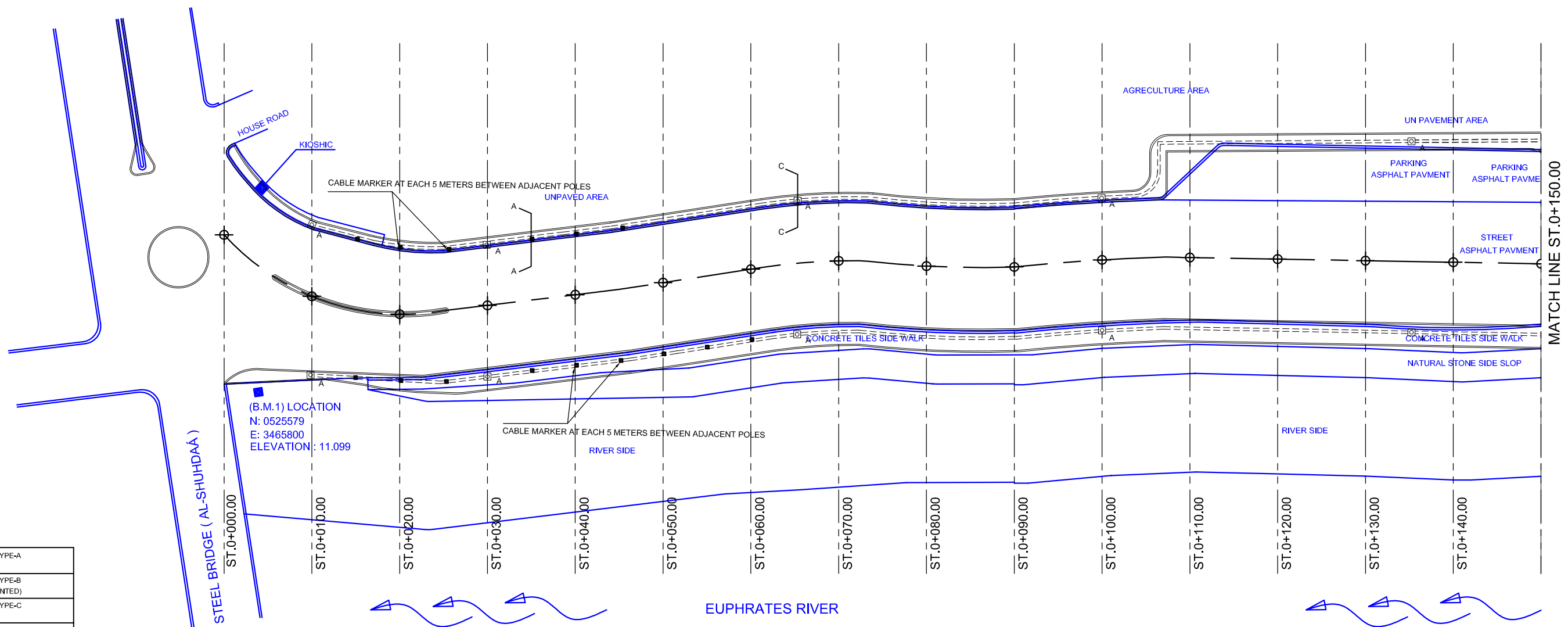


STA. 1+300



STA. 1+200

<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> E-7	<b>Rev:</b>	<b>Drawn by :</b>
			<b>Dwg Title:</b> CORNISH STREET CROSS SECTION (5/5)	<b>Scale</b> 1:100	<b>Date:</b>	<b>Checked by:</b>



	LIGHTING TYPE-A
	LIGHTING TYPE-B (WALL MOUNTED)
	LIGHTING TYPE-C
	LIGHTING TYPE-D
	MANHOLE
	DISTRIBUTION PANEL
	BALLAST BOARD
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH

Owner:  
SAMAWAH MAYORALTY  
MUTHANNA GOVERNORATE  
REPUBLIC OF IRAQ

Consultant:

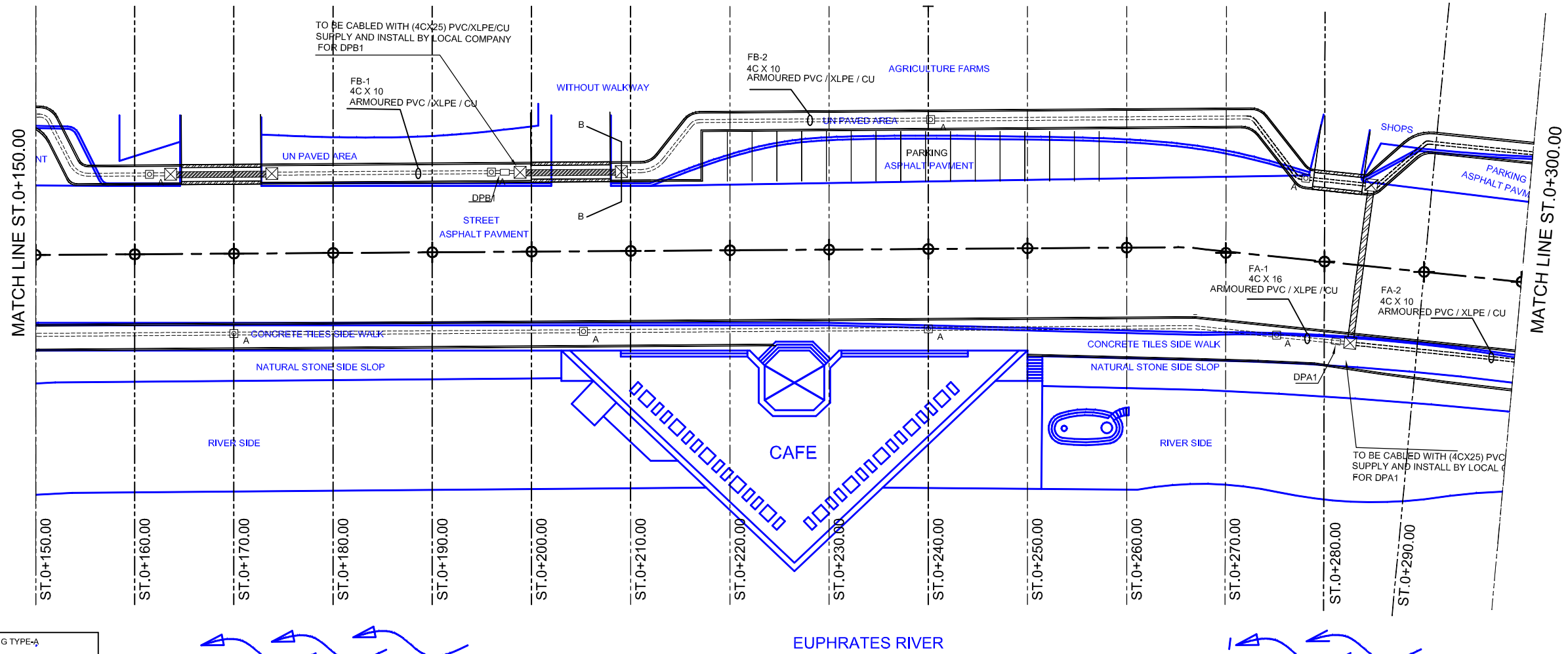
Client :

Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN  
Dwg Title: STREET LIGHTING PLAN (1-9)

Drawing No. F-1  
Scale 1:500

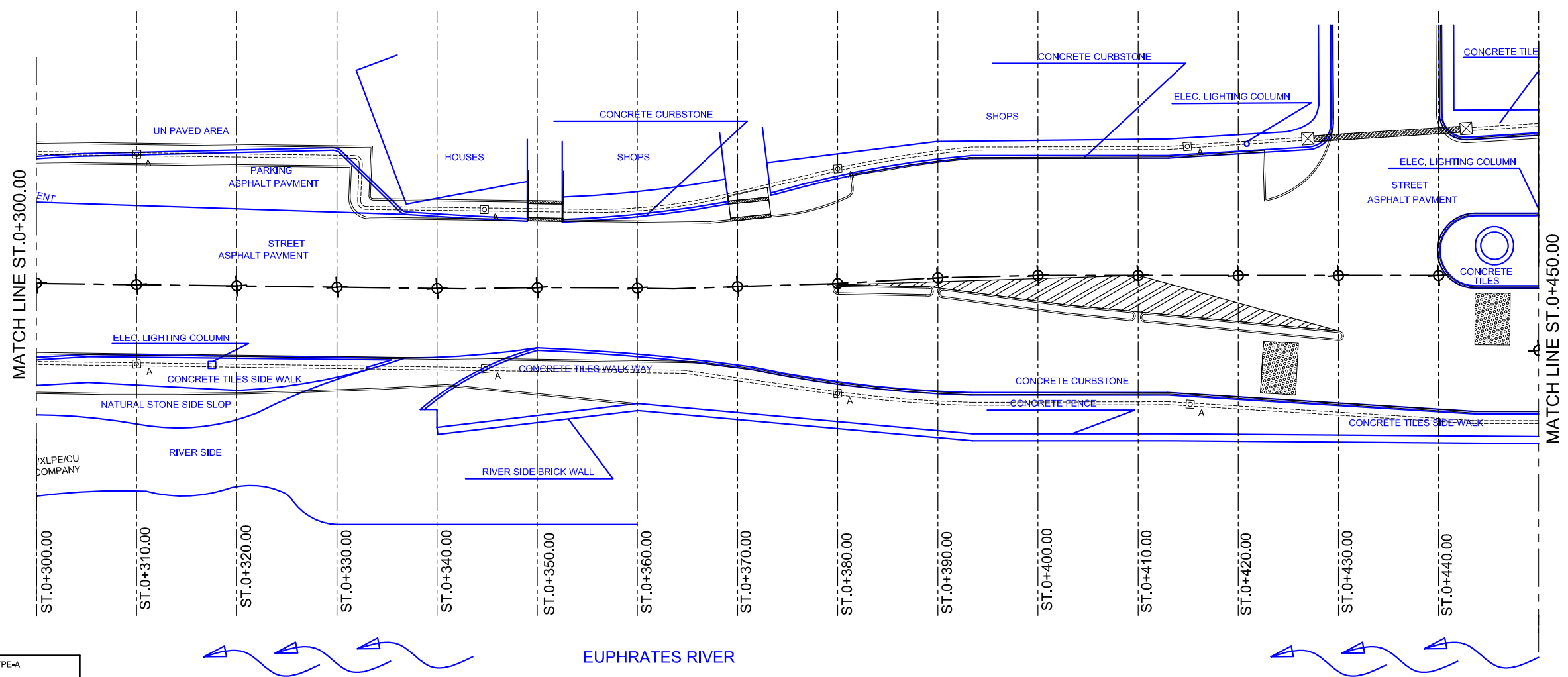
Rev: 0  
Date: 8-5-2005

Drawn by :  
Checked by :



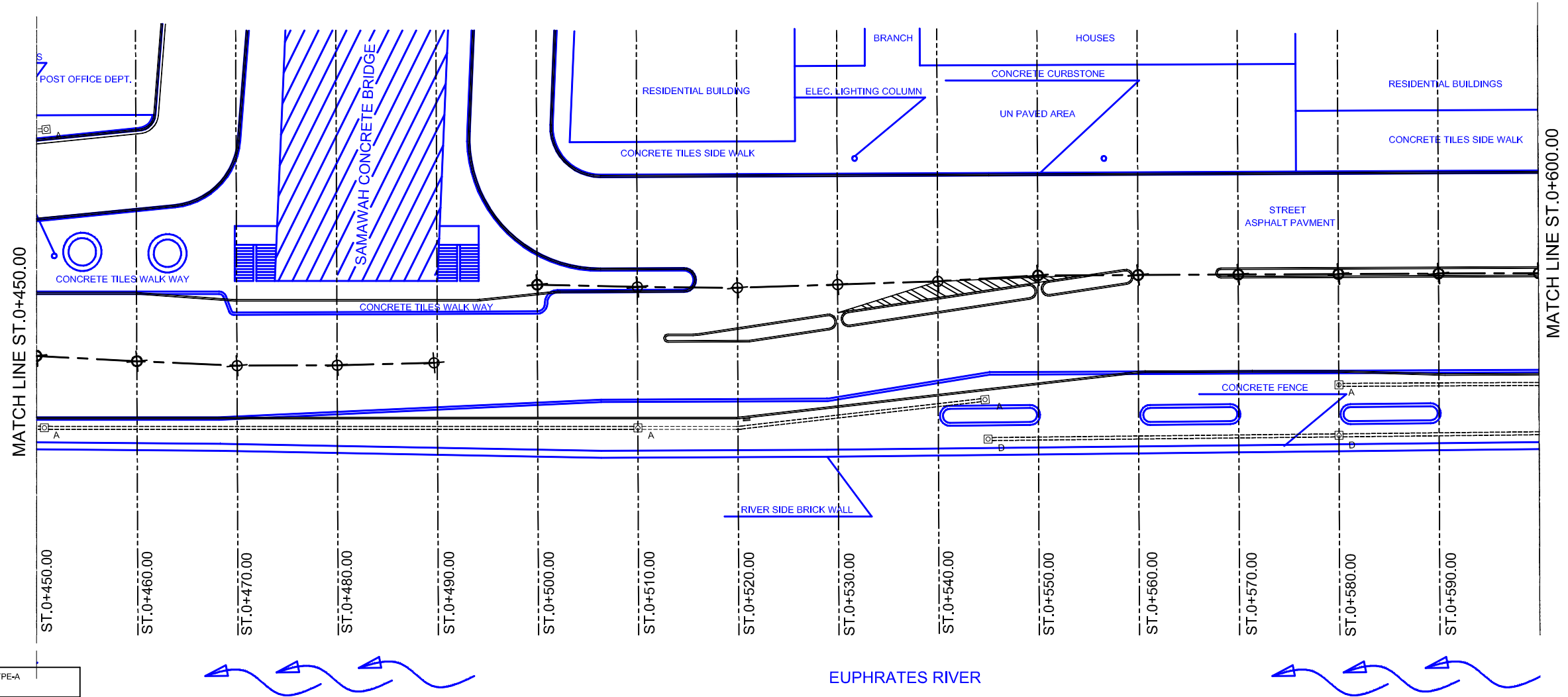
	LIGHTING TYPE-A
	LIGHTING TYPE-B (WALL MOUNTED)
	LIGHTING TYPE-C
	LIGHTING TYPE-D
	MANHOLE
	DISTRIBUTION PANEL
	BALLAST BOARD
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH

<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> F-2	<b>Rev:</b> 0	<b>Drawn by :</b>
			<b>Dwg Title:</b> STREET LIGHTING PLAN (2-9)	<b>Scale</b> 1:500	<b>Date:</b> 8-5-2005	<b>Checked by:</b>



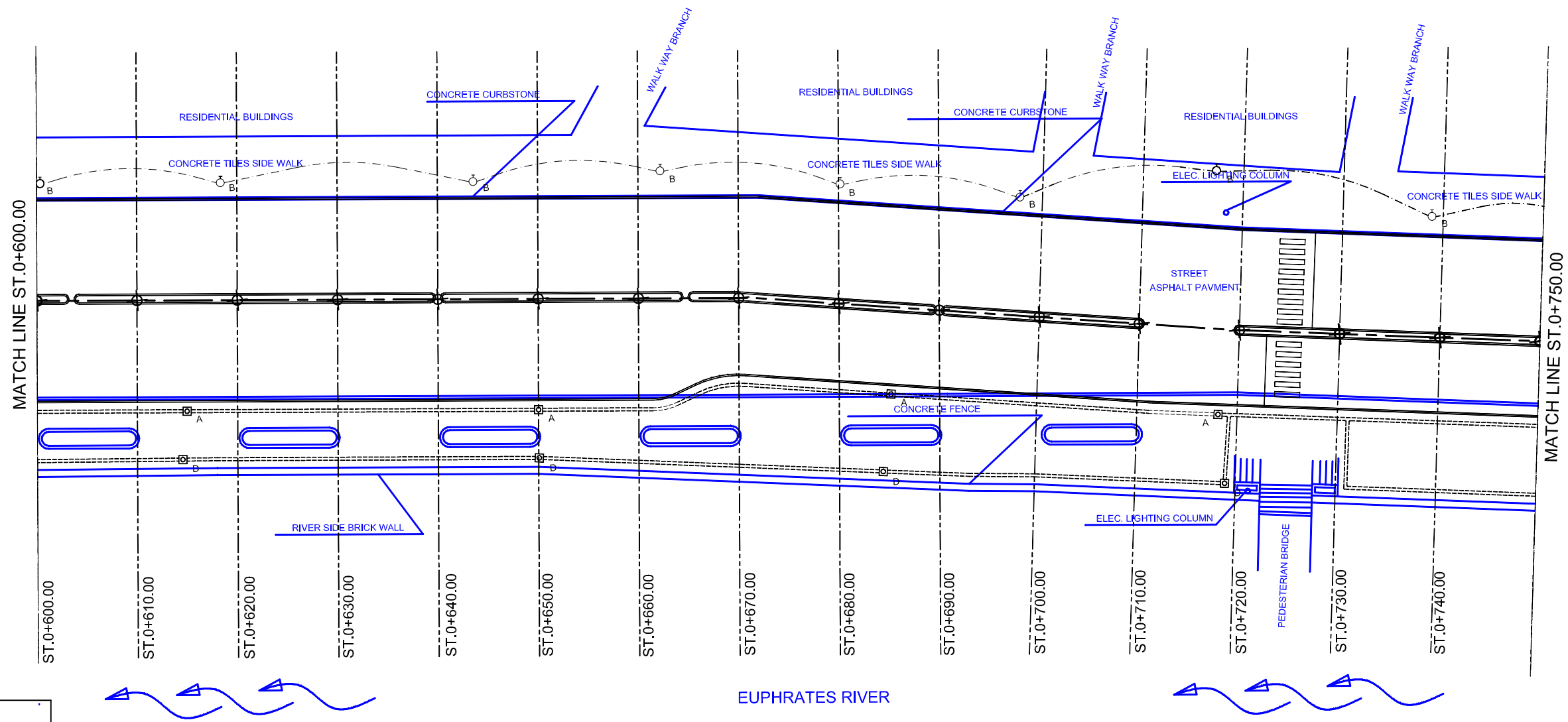
	LIGHTING TYPE-A
	LIGHTING TYPE-B (WALL MOUNTED)
	LIGHTING TYPE-C
	LIGHTING TYPE-D
	MANHOLE
	DISTRIBUTION PANEL
	BALLAST BOARD
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH

<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> F-3	<b>Rev:</b> 0	<b>Drawn by :</b>
			<b>Dwg Title:</b> STREET LIGHTING PLAN (3-9)	<b>Scale</b> 1:500	<b>Date:</b> 8-5-2005	<b>Checked by:</b>



	LIGHTING TYPE-A
	LIGHTING TYPE-B (WALL MOUNTED)
	LIGHTING TYPE-C
	LIGHTING TYPE-D
	MANHOLE
	DISTRIBUTION PANEL
	BALLAST BOARD
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH

<b>Owner:</b> SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	<b>Consultant:</b>	<b>Client :</b>	<b>Project :</b> REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	<b>Drawing No.</b> F-4	<b>Rev:</b> 0	<b>Drawn by :</b>
			<b>Dwg Title:</b> STREET LIGHTING PLAN (4-9)	<b>Scale</b> 1:500	<b>Date:</b> 8-5-2005	<b>Checked by:</b>



	LIGHTING TYPE-A
	LIGHTING TYPE-B (WALL MOUNTED)
	LIGHTING TYPE-C
	LIGHTING TYPE-D
	MANHOLE
	DISTRIBUTION PANEL
	BALLAST BOARD
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH



EUPHRATES RIVER

Owner:  
SAMAWAH MAYORALTY  
MUTHANNA GOVERNORATE  
REPUBLIC OF IRAQ

Consultant:

Client :

Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN

Dwg Title: STREET LIGHTING PLAN (5-9)

Drawing No.  
F-5

Scale  
1:500

Rev:  
0

Date:  
8-5-2005

Drawn by :

Checked by: