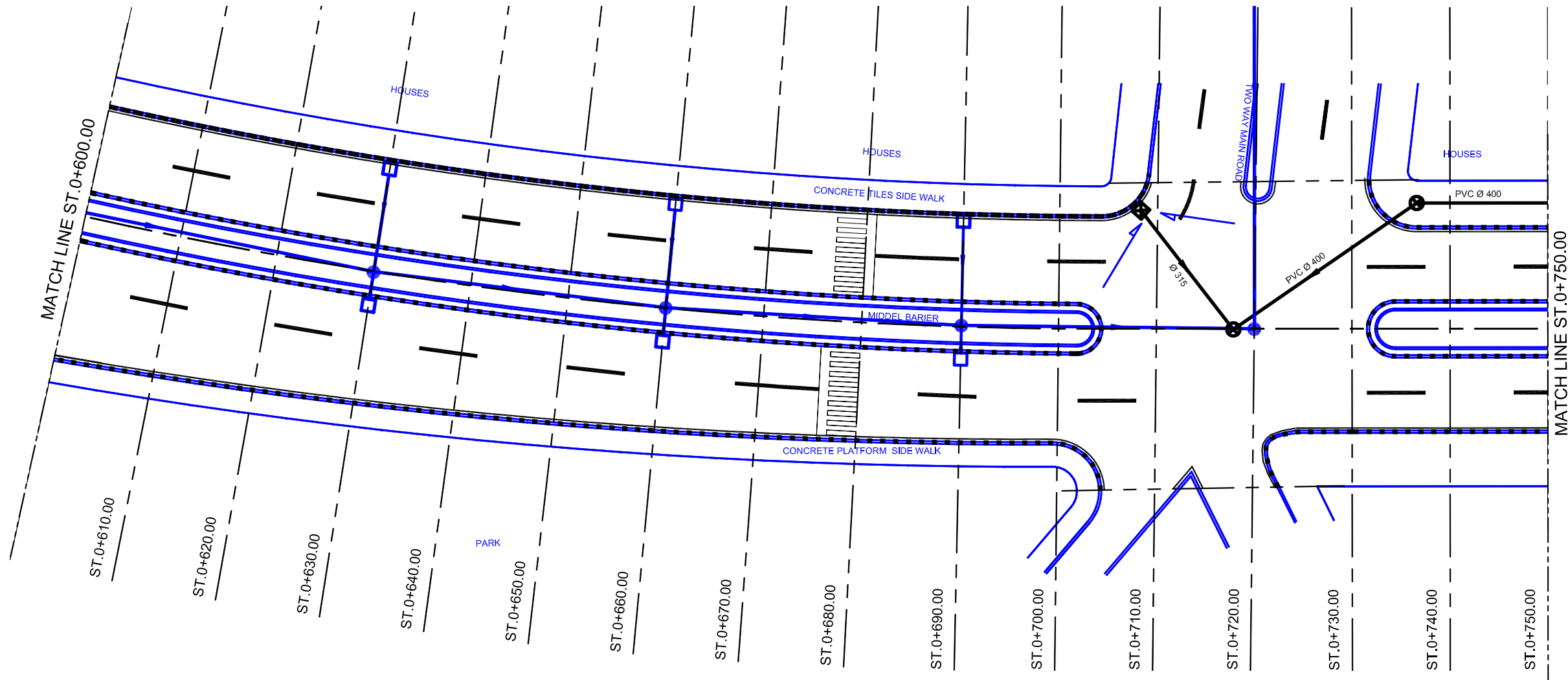




- LEGEND:
- EXISTING PIPE
 - EXISTING INLET
 - EXISTING INLET TO BE DEMOLISHED
 - EXISTING MANHOLE
 - NEW PIPE
 - NEW INLET
 - NEW MANHOLE
 - REHABILITATION OF EXISTING CURB



NOTE:

ALL THE EXISTING LAYOUTS ARE IN BLUE
ALL THE PROPOSED LAYOUT ARE IN BLACK

NOTE:

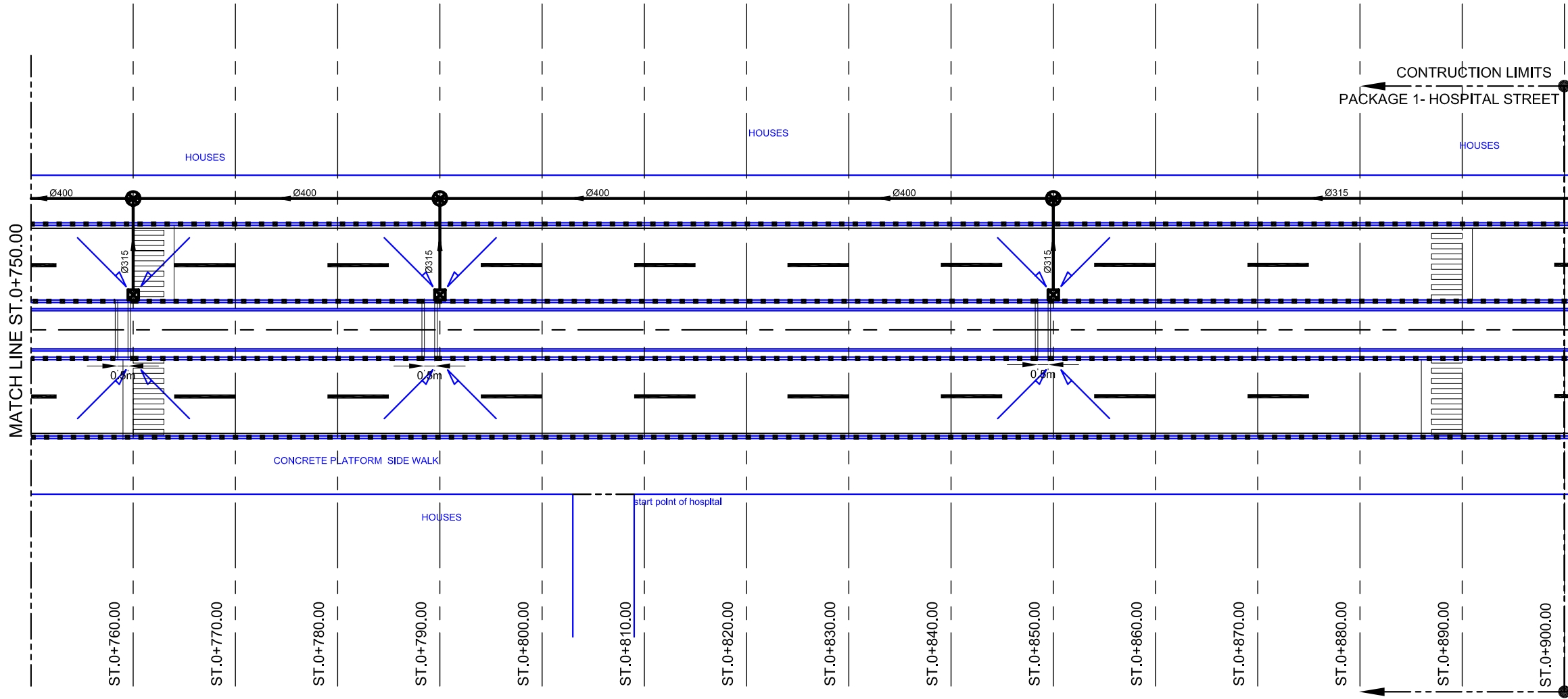
UNLESS THE INVERT ELEVATION IS INDICATED ON THE DRAWING, THE INVERT ELEVATION OF NEW INLETS AND/OR MANHOLE SHOULD BE DECIDED ON SITE, BASED ON THE INVERT ELEVATION OF EXISTING INLETS & MANHOLE WITH A CONSIDERATION OF NEW PIPE GRADIENT OF MINIMUM 0.1%.

H:\SAMAWAH\JUNE 18, 2005\PACKAGE 1\044\ D DRAINAGE PLAN.DWG (S) Jun 18, 2005-2:31 PM

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-5	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE 1) DRAINAGE SYSTEM LAYOUT (5-6)	Scale AS SHOWN	Date:	Checked by:



- LEGEND:**
- EXISTING PIPE
 - EXISTING INLET
 - EXISTING INLET TO BE DEMOLISHED
 - EXISTING MANHOLE
 - NEW PIPE
 - NEW INLET
 - NEW MANHOLE
 - REHABILITATION OF EXISTING CURB



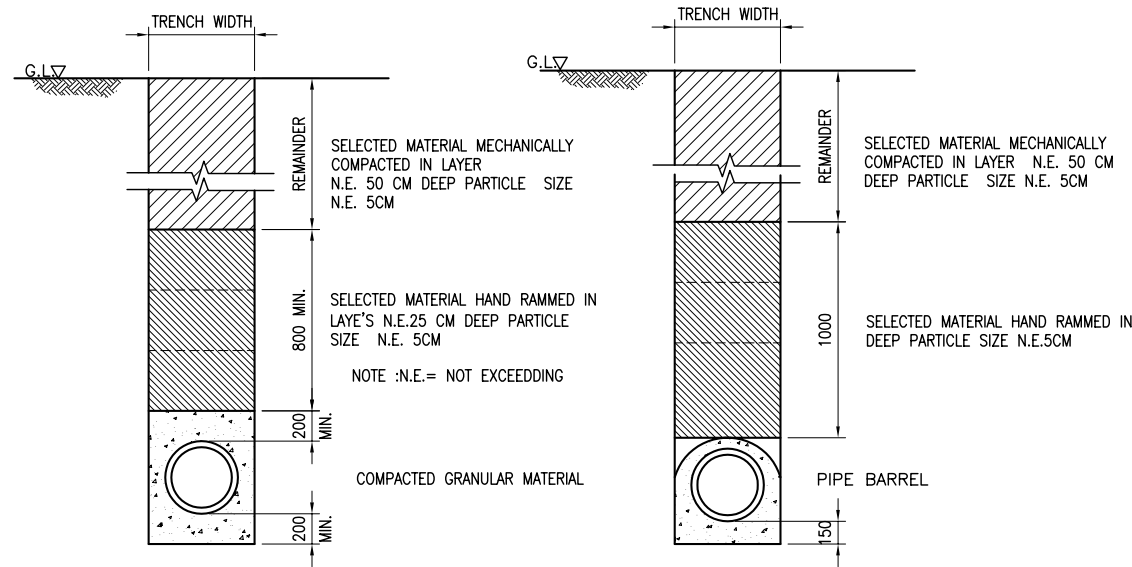
NOTE:
ALL THE EXISTING LAYOUTS ARE IN BLUE
ALL THE PROPOSED LAYOUT ARE IN BLACK

NOTE:
 UNLESS THE INVERT ELEVATION IS INDICATED ON THE DRAWING, THE INVERT ELEVATION OF NEW INLETS AND/OR MANHOLE SHOULD BE DECIDED ON SITE, BASED ON THE INVERT ELEVATION OF EXISTING INLETS & MANHOLE WITH A CONSIDERATION OF NEW PIPE GRADIENT OF MINIMUM 0.1%.

H:\SAMAWAH\JUNE 18, 2005\PACKAGE 1\044\ D DRAINAGE PLAN.DWG (6) Jun 18, 2005-2:31 PM

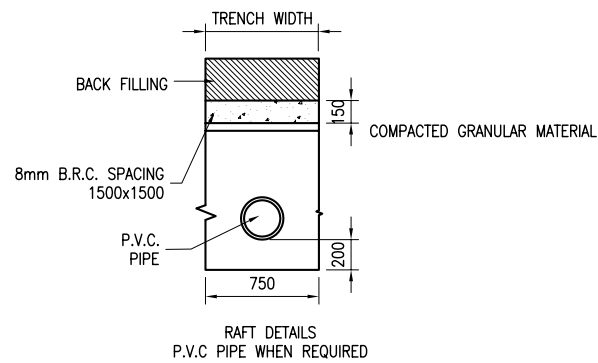
Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	Drawing No. D-6	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE 1) DRAINAGE SYSTEM LAYOUT (6-6)	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

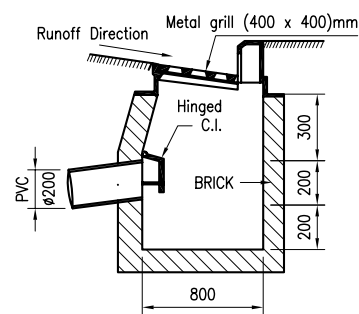
METHOD B
TRENCH OVER PIPE LAID WITH CONCRETE PROTECTION (BEDDING HAUNCHING & COMPLETE SURROUND)



RAFT DETAILS
P.V.C PIPE WHEN REQUIRED

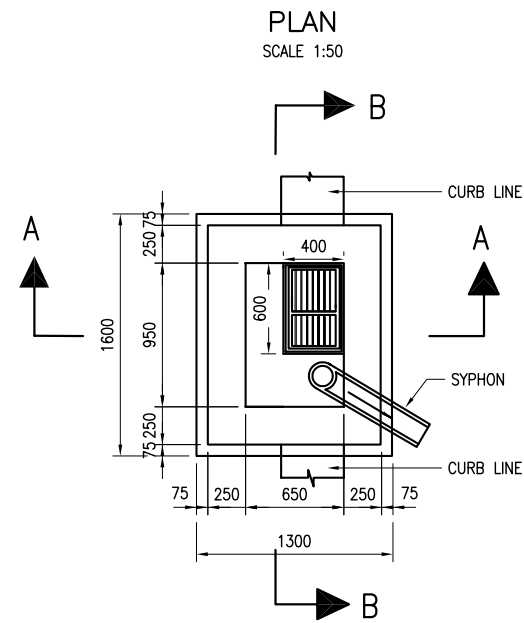
COMPACTED GRANULAR MATERIAL

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

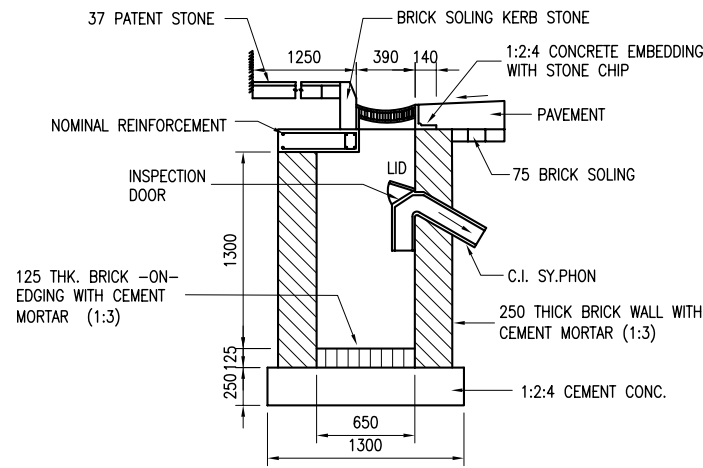


Detail of Squared Catch Basin (Inlet) 800x800 -Type B

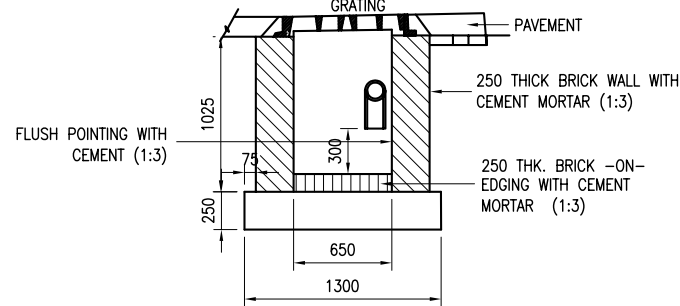
CATCH BASIN (INLET)



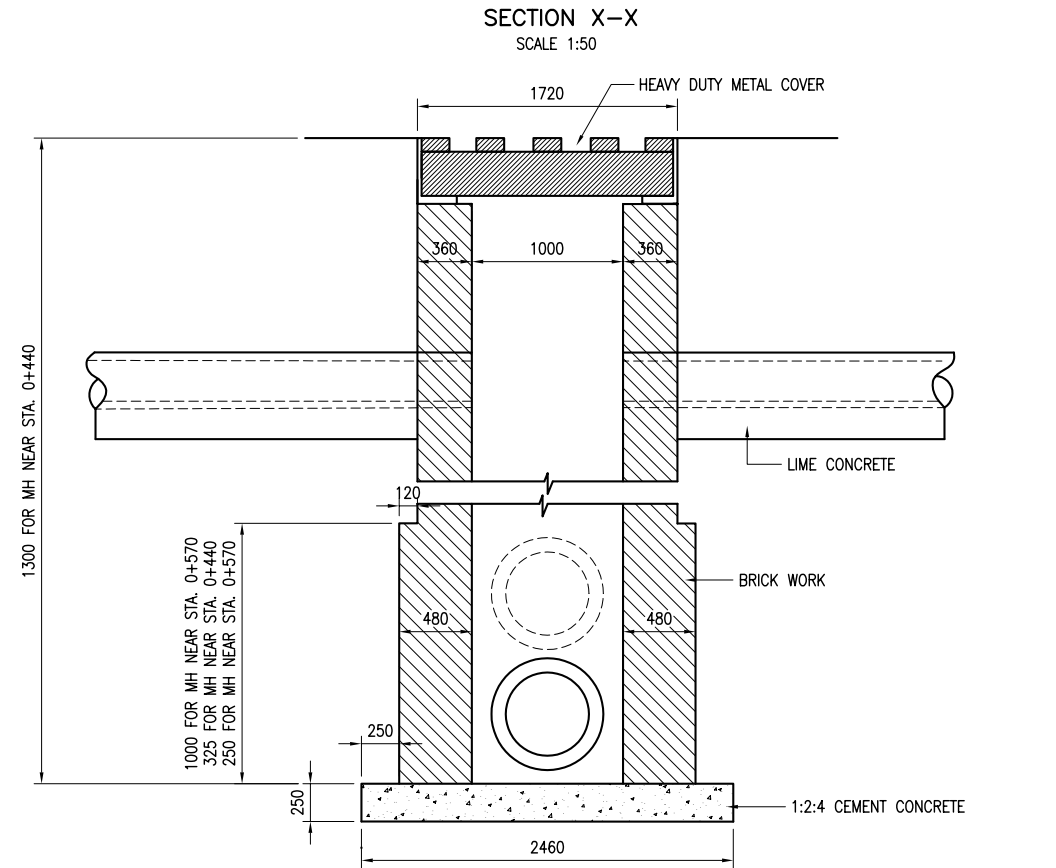
SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50

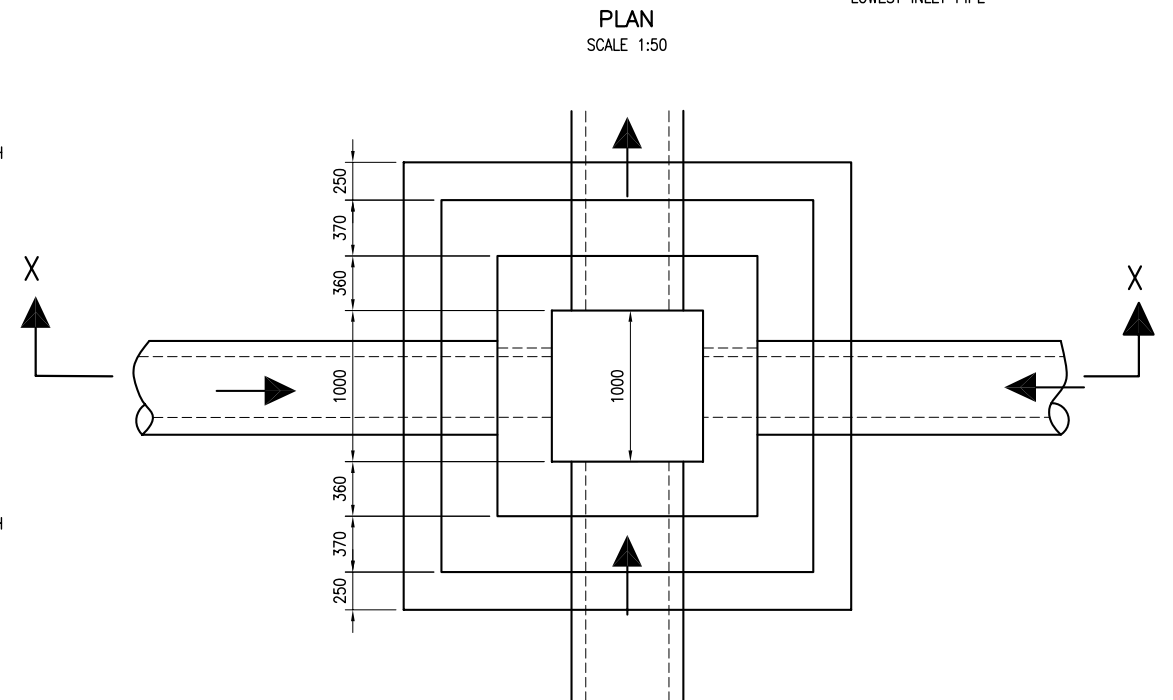


MANHOLE DETAIL



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

PLAN
SCALE 1:50

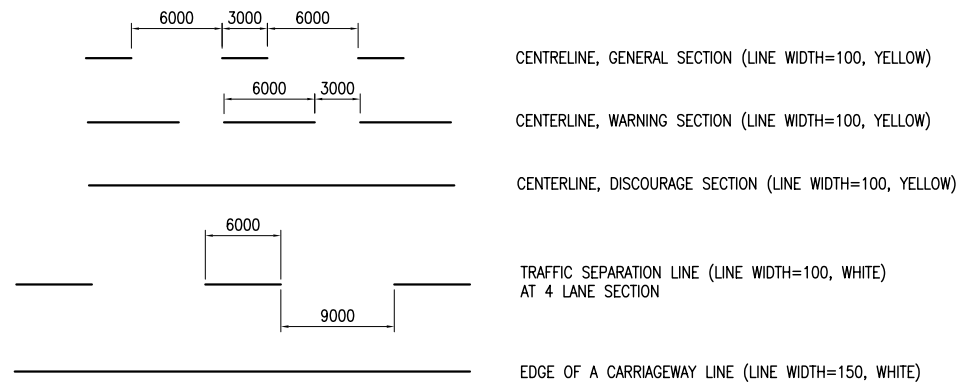


H:\SAMAWAH\JUNE 18, 2005\PACKAGE 1\04B\D-4 DETAIL OF INLET ETC....DWG A3 Plot Jun 18, 2005-2:18 PM

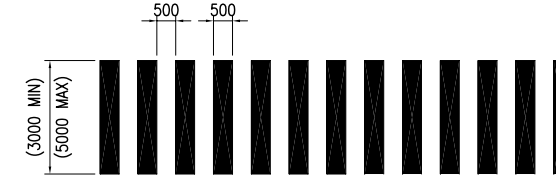
Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN	Drawing No. D-7	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE 1) DETAIL OF INLET, MANHOLE AND BACKFILLING METHOD OF PIPE EXCAVATION	Scale AS SHOWN	Date:	Checked by:

ROAD MARKING DETAILS

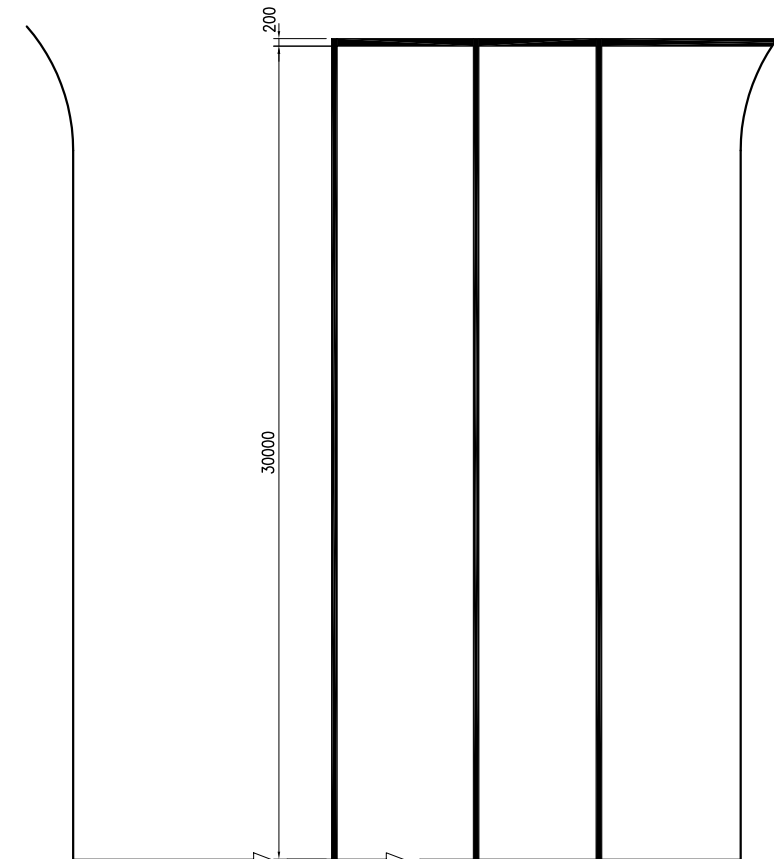
LINE MARKINGS



PEDESTRIAN CROSSING MARKING



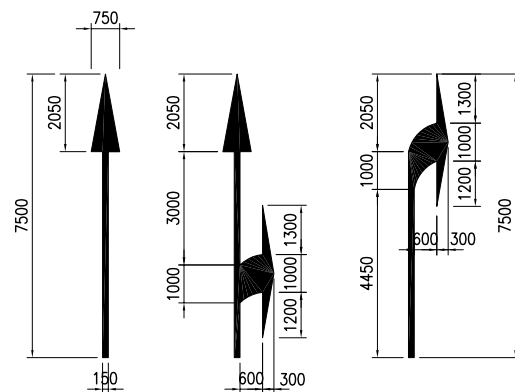
STOP LINE MARKING



ZEBRA MARKING



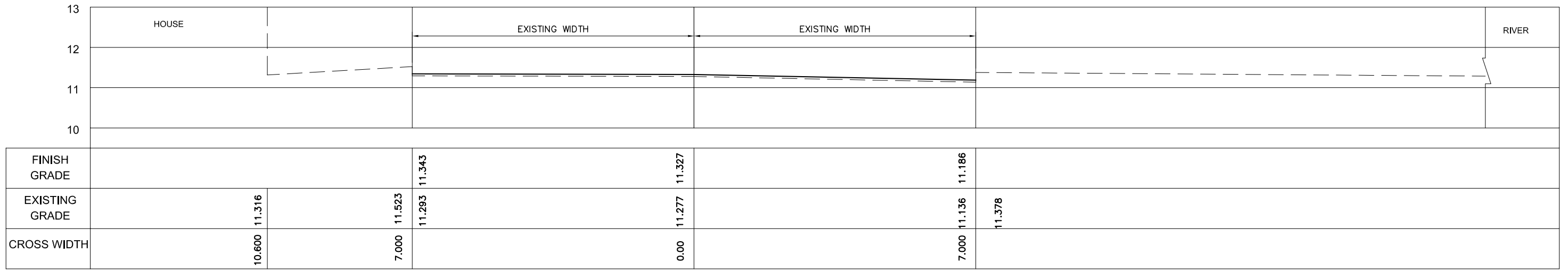
ARROWS



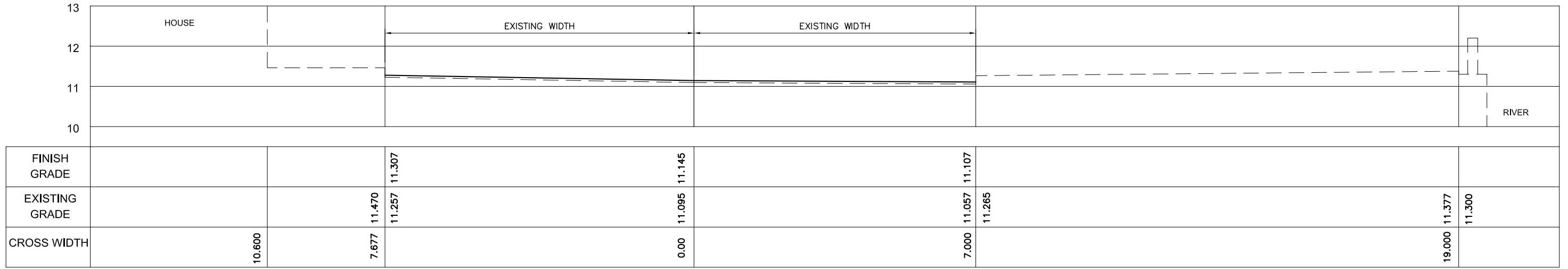
H:\SAMAWAH\JUNE 16, 2005\PACKAGE 1\05A1-E1 ROAD MARKING DETAILS.DWG Marking Jun 18, 2005 2:20 PM

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. E-1	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE 1) ROAD MARKING DETAILS	Scale AS SHOWN	Date:	Checked by:

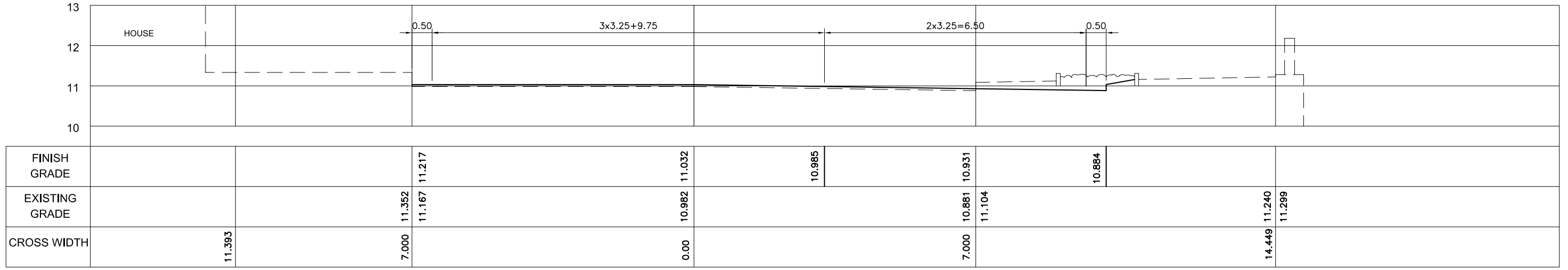
H:\SAMAWAH\JUNE 18_2005\PACKAGE 1\05B1 E-02 CROSS SECTION.DWG (1) Jun 18 2005-2:21 PM



STA. 0+200



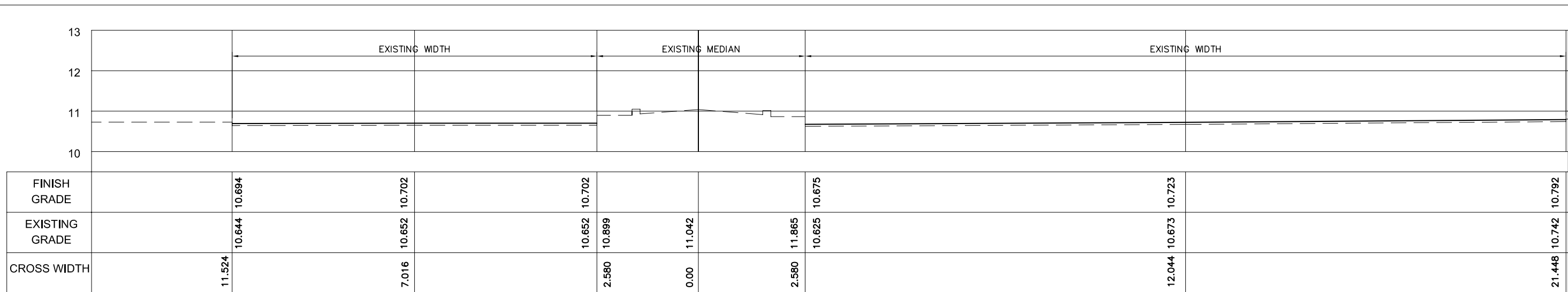
STA. 0+100



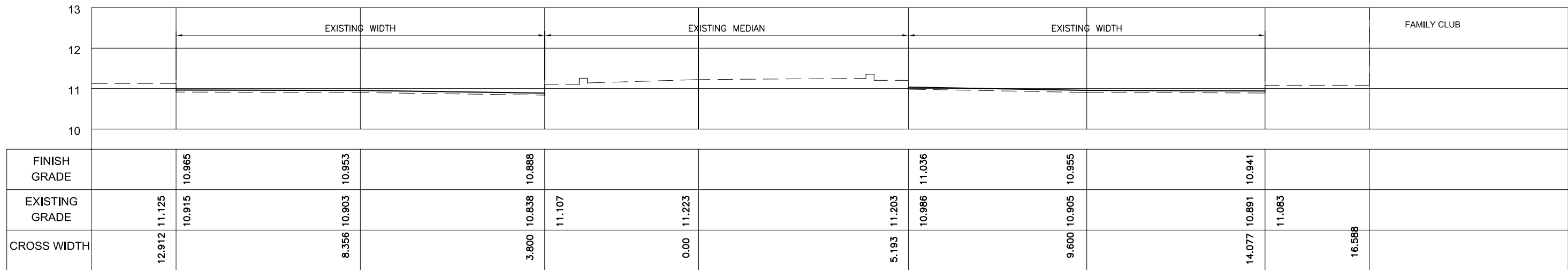
STA. 0+030

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. E-2	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE-1) CROSS SECTION (1/4)	Scale 1:100	Date:	Checked by:

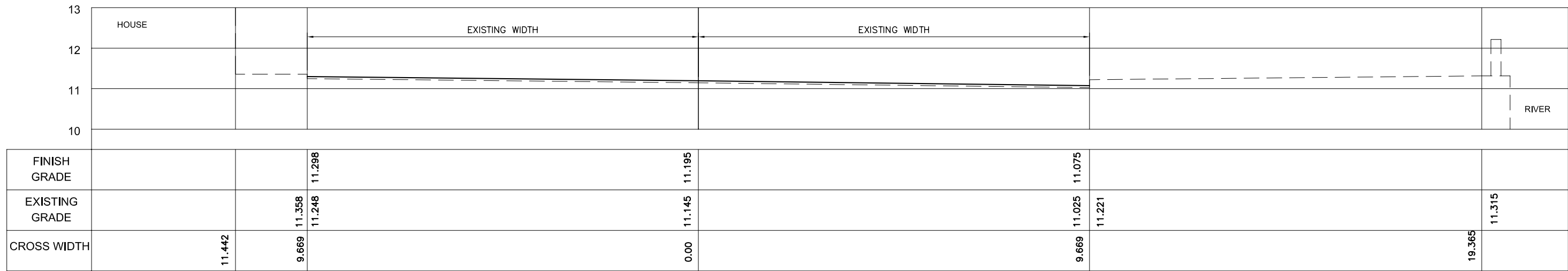
H:\SAMAWAH\JUNE 18_2005\PACKAGE 1\05B1 E-02 CROSS SECTION.DWG (2) Jun 18 2005-2:24 PM



STA. 0+500



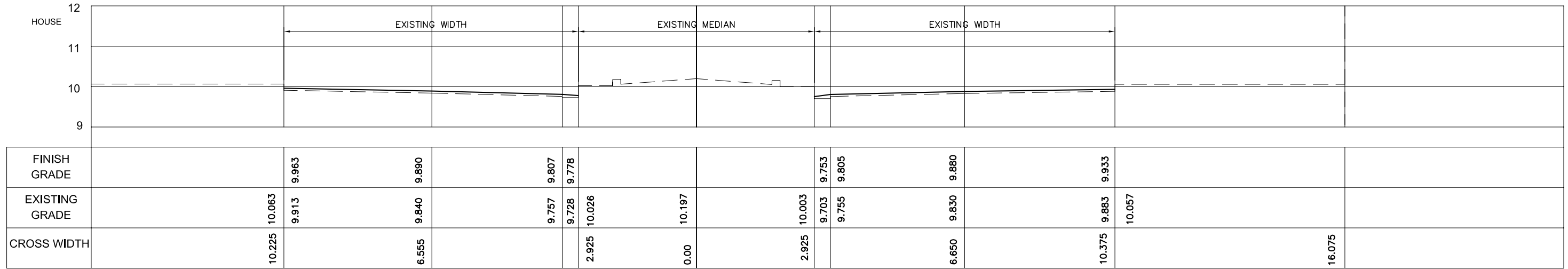
STA. 0+400



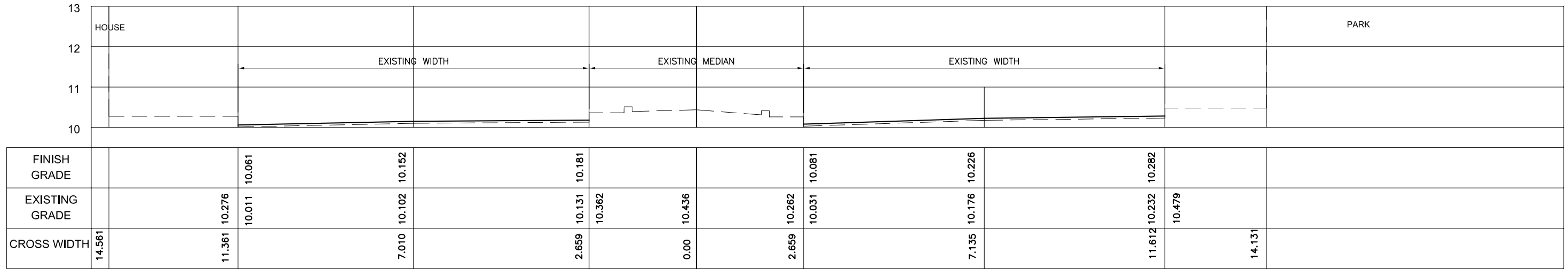
STA. 0+300

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. E-3	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE-1) CROSS SECTION (2/4)	Scale 1:100	Date:	Checked by:

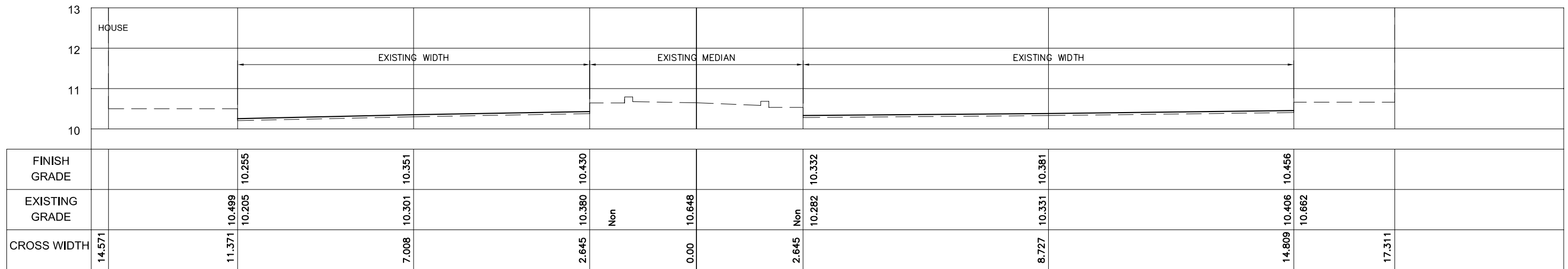
H:\SAMAWAH\JUNE 18, 2005\PACKAGE 1\05B1 E-02 CROSS SECTION.DWG (3) Jun 18, 2005-2:24 PM



STA. 0+800



STA. 0+700



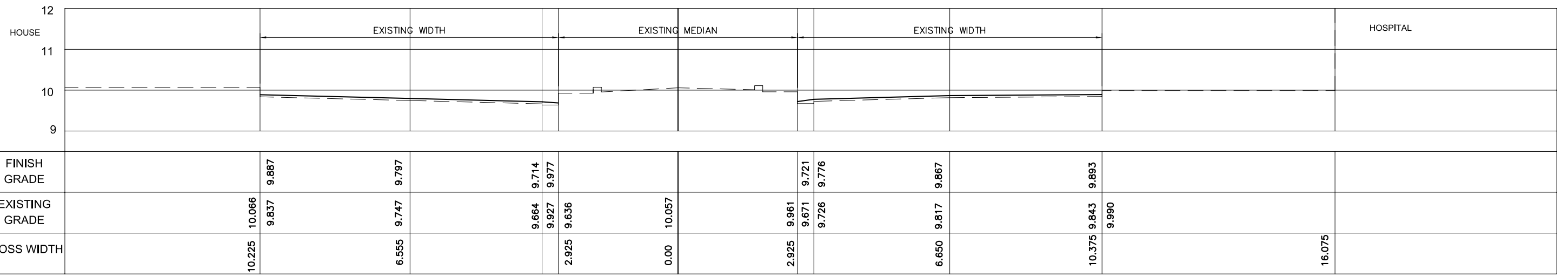
STA. 0+600

Owner: SAMAWAH MAYORALTY MUTHANNA GOVERNORATE REPUBLIC OF IRAQ	Consultant:	Client :	Project :	Drawing No.	Rev:	Drawn by :
			Dwg Title:	Scale	Date:	Checked by:

REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR
SAMAWAH PROMENADE DEVELOPMENT PLAN
HOSPITAL STREET (PACKAGE-1)
CROSS SECTION (3/4)

E-4
1:100
Date:

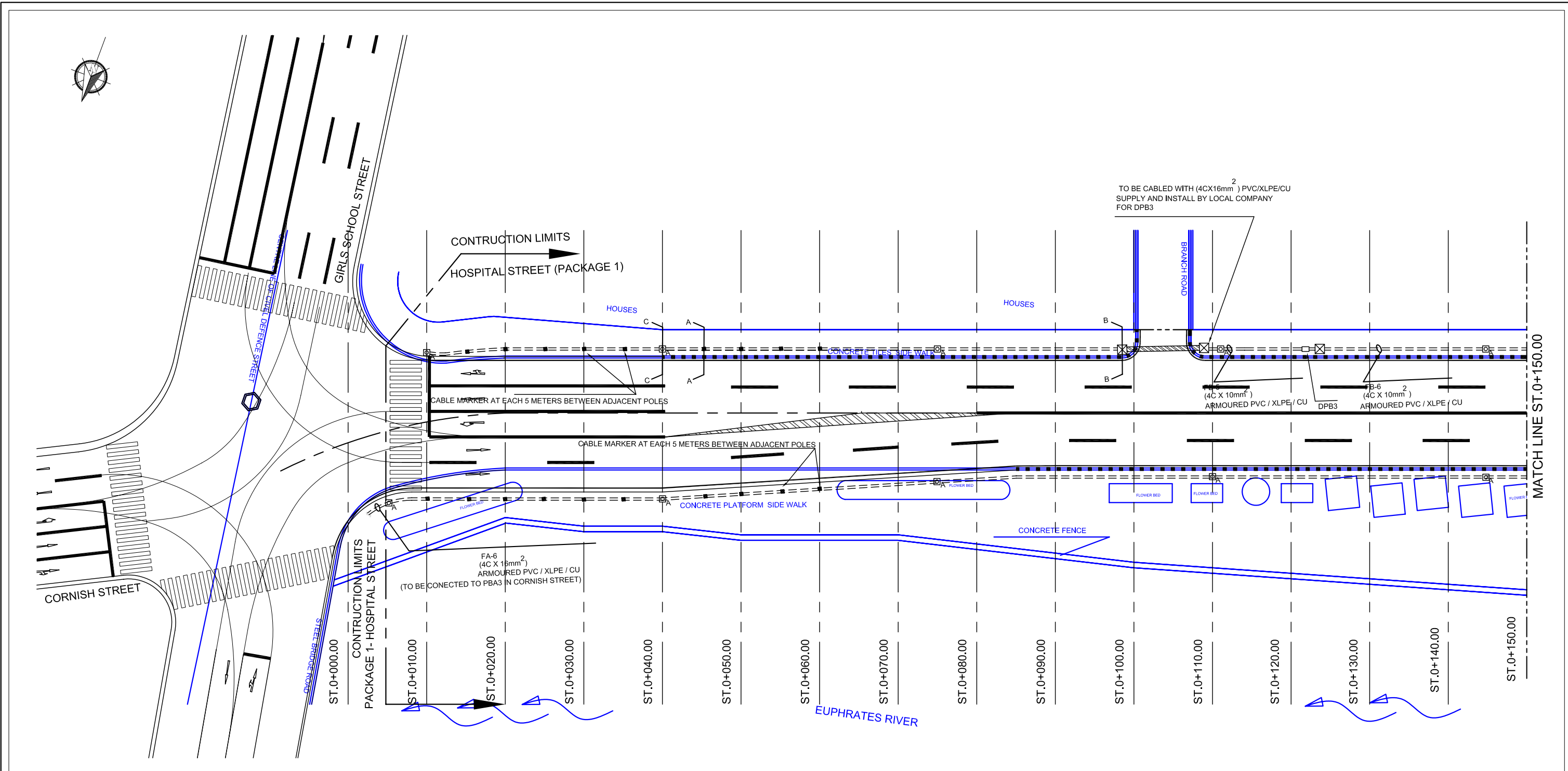
H:\SAMAWAH\JUNE 18_2005\PACKAGE 1\05B1 E-02 CROSS SECTION.DWG (4) Jun 18_2005-2:25 PM



STA. 0+900

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. E-5	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE-1) CROSS SECTION (4/4)	Scale 1:100	Date:	Checked by:

H:\SAMAWAH\JUNE_18_2005\PACKAGE_1\06A\F STREET LIGHTING PLANDWG (1) Jun 18, 2005-2:49 PM



	LIGHTING TYPE-A
	LIGHTING TYPE-C
	MANHOLE
	DISTRIBUTION PANEL
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH
	CABLE MARKER

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.:
F-1

Rev:

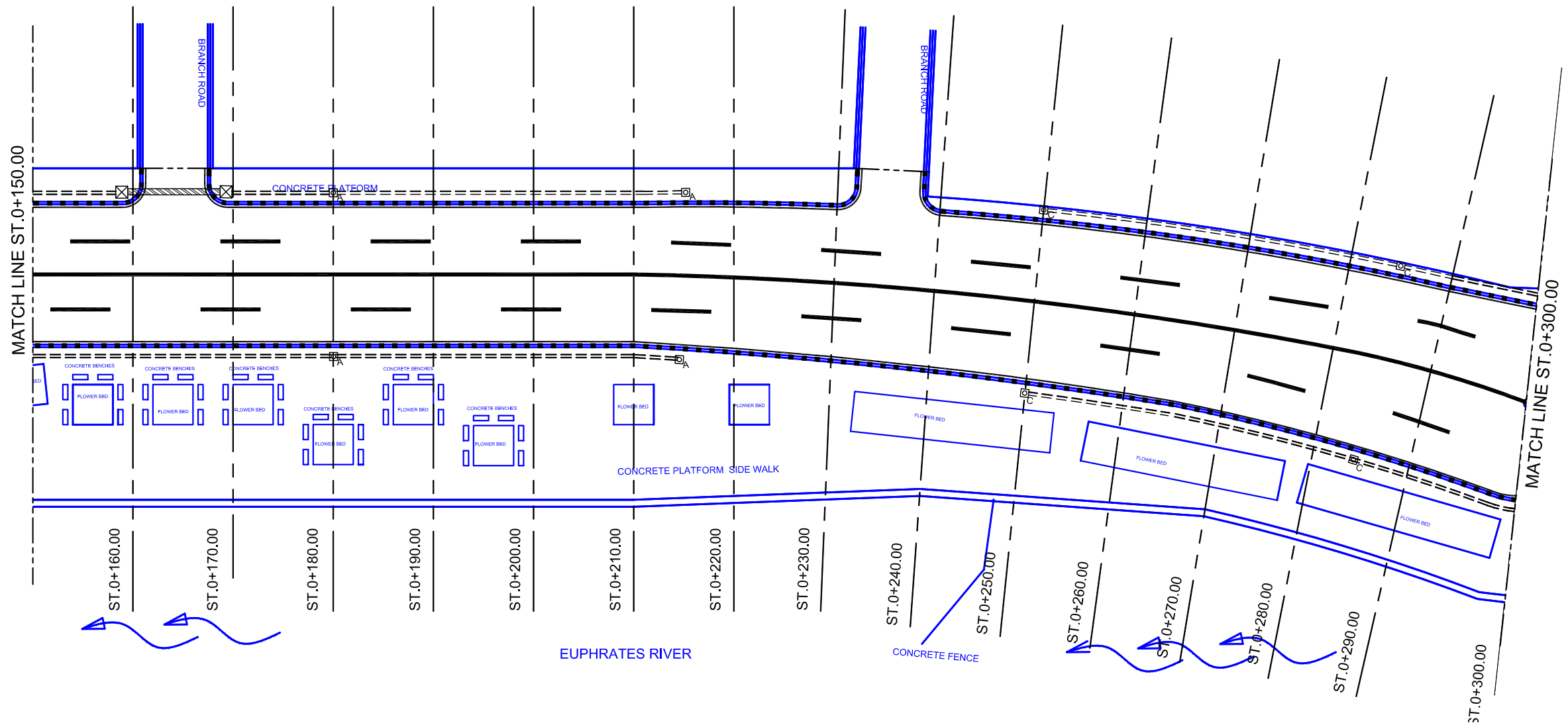
Drawn by :

Dwg Title: HOSPITAL STREET (PACKAGE 1)
STREET LIGHTING LAYOUT (1-6)

Scale:
AS SHOWN

Date:

Checked by:



	LIGHTING TYPE-A
	LIGHTING TYPE-C
	MANHOLE
	DISTRIBUTION PANEL
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH
	CABLE MARKER

H:\SAMAWAH\JUNE_18_2005\PACKAGE_1\06A\F STREET LIGHTING PLANDWG (2) Jun 18, 2005-2:49 PM

Owner:
SAMAWAH MAYORALTY
MUTHANNA GOVERNORATE
REPUBLIC OF IRAQ

Consultant:

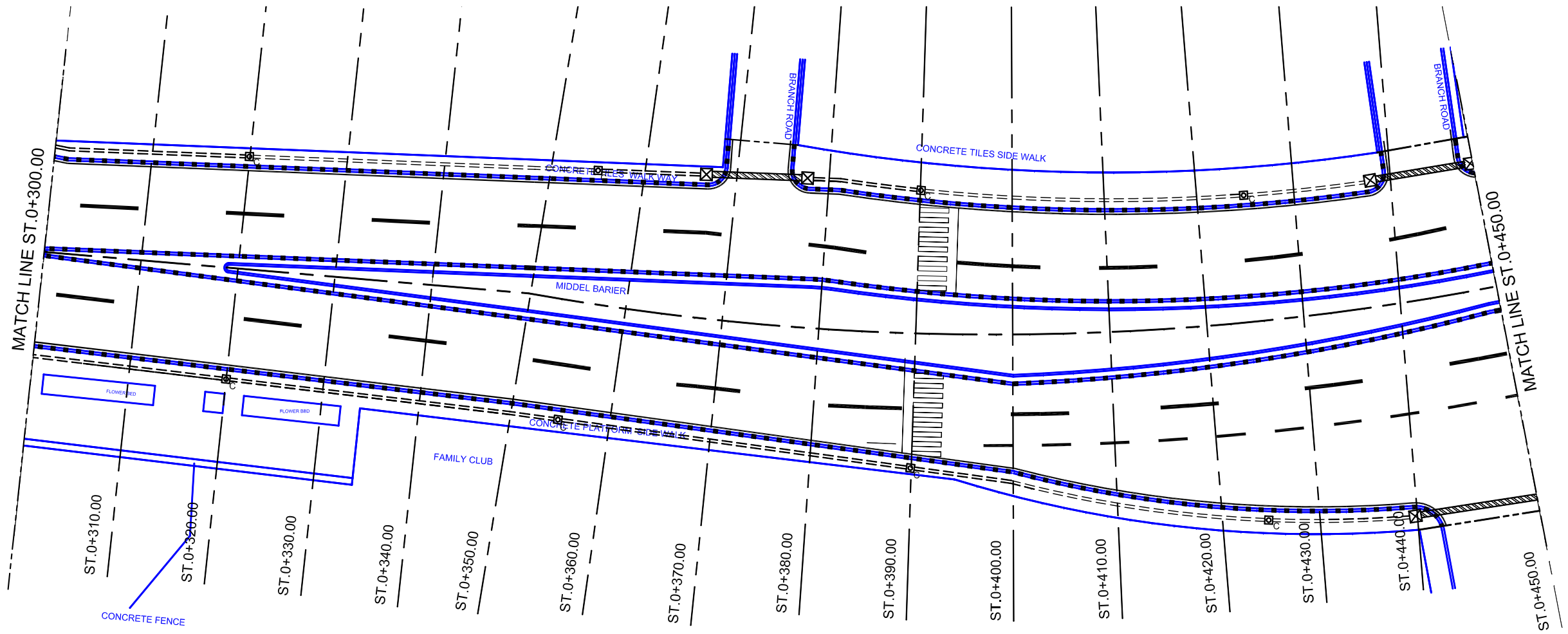
Client :

Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN
Dwg Title: HOSPITAL STREET (PACKAGE 1) STREET LIGHTING LAYOUT (2-6)

Drawing No.
F-2
Scale
AS SHOWN

Rev:
Date:

Drawn by :
Checked by:



	LIGHTING TYPE-A
	LIGHTING TYPE-C
	MANHOLE
	DISTRIBUTION PANEL
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH
	CABLE MARKER

H:\SAMAWAH\JUNE 18, 2005\PACKAGE 1\06A) F STREET LIGHTING PLANDWG (3) Jun 18, 2005-2:49 PM

Owner:
SAMAWAH MAYORALTY
MUTHANNA GOVERNORATE
REPUBLIC OF IRAQ

Consultant:

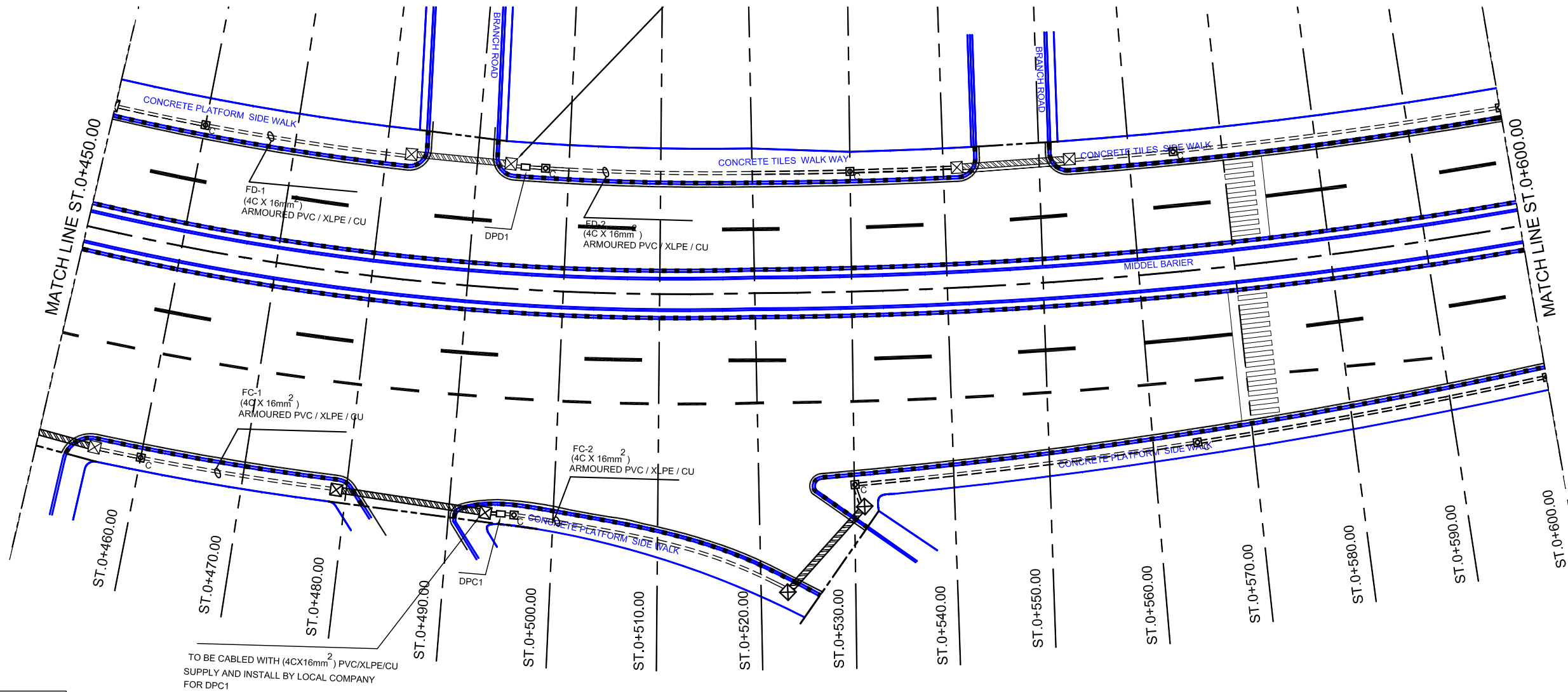
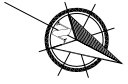
Client :

Project : REHABILITATION AND IMPROVEMENT OF THE ROADS AND ROAD SIDES IN SAMAWAH FOR SAMAWAH PROMENADE DEVELOPMENT PLAN
Dwg Title: HOSPITAL STREET (PACKAGE 1) STREET LIGHTING LAYOUT (3-6)

Drawing No.: F-3
Scale: AS SHOWN

Rev:
Date:

Drawn by :
Checked by:



TO BE CABLED WITH (4CX16mm²) PVC/XLPE/CU
 SUPPLY AND INSTALL BY LOCAL COMPANY
 FOR DPC1

	LIGHTING TYPE-A
	LIGHTING TYPE-C
	MANHOLE
	DISTRIBUTION PANEL
	CONDUIT EXPOSED
	DUCT
	CABLE TRENCH
	CABLE MARKER

H:\SAMAWAH\JUNE_18_2005\PACKAGE_1\06A\F STREET LIGHTING PLANDWG (4) Jun 18, 2005-2:49 PM

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. F-4	Rev:	Drawn by :
			Dwg Title: HOSPITAL STREET (PACKAGE 1) STREET LIGHTING LAYOUT (4-6)	Scale AS SHOWN	Date:	Checked by: