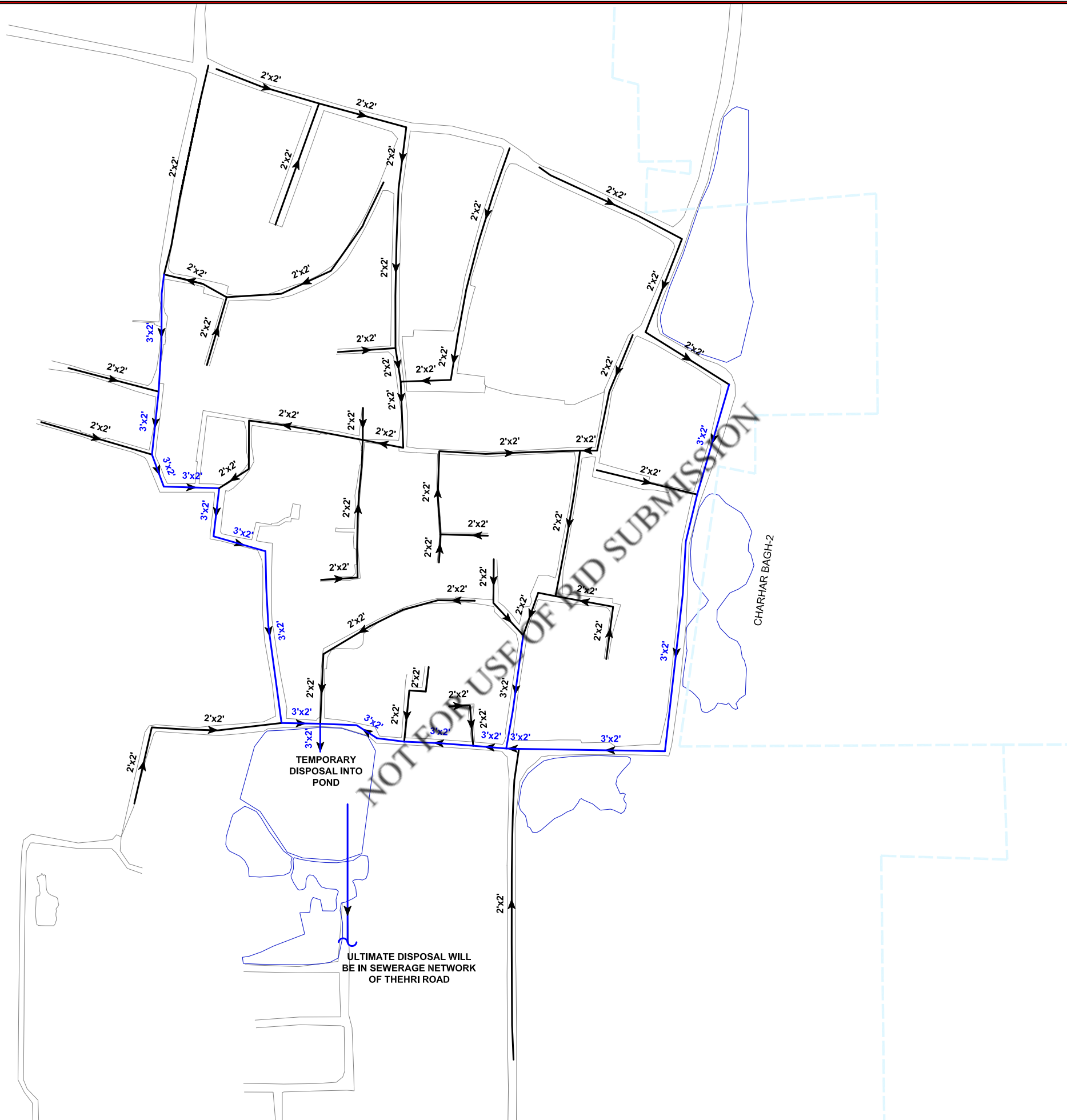




LEGEND:

- 2'x2' PROPOSED DRAIN
3'x2' PROPOSED DRAIN

NOTES

1. ALL DRAIN SIZES ARE IN FEET UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL VERIFY THE INVERT LEVELS OF ALL THE STORM WATER DRAINS AS PER SITE CONDITION BEFORE CONSTRUCTION.
3. FOR STRUCTURAL DETAILS REFER TO STRUCTURAL DRAWINGS.
4. READ THIS DRAWING IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
5. MENTIONED SIZES OF PROPOSED DRAINS ARE HYDRAULIC SIZES.
6. FREE BOARD HAS BEEN INCLUDED.
7. DISPOSAL INTO POND IS TEMPORARY AS PER INSTRUCTION OF CLIENT.

CLIENT



RAVI URBAN DEVELOPMENT
AUTHORITY (RUDA)

CONSULTANT



NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD.

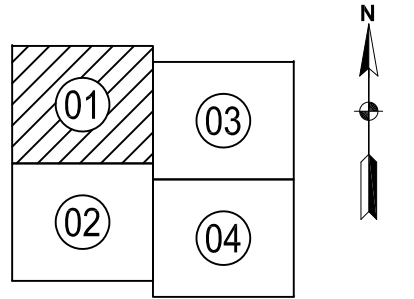
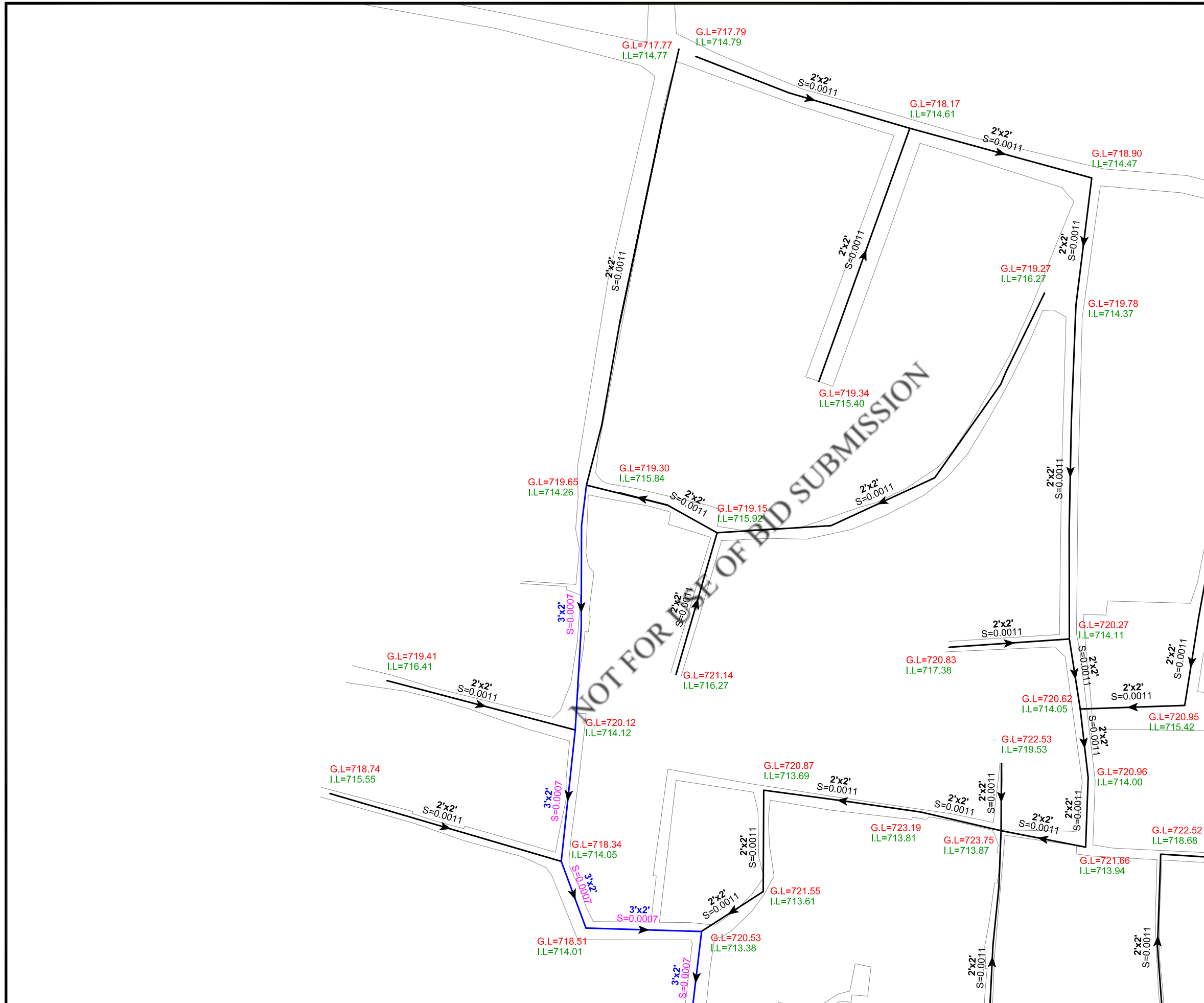
HEAD OFFICE:- NESPAK HOUSE, I-C, BLOCK-N,
MODEL TOWN EXTENSION, LAHORE, PAKISTAN.

04					DRAWN	Yasir
03					SUBMITTED	
02					RECOMMENDED	
01					CHD./VER.	
REV.	DATE	DESCRIPTION	APPROVED	APPROVED		

PROJECT

INFRASTRUCTURE DEVELOPMENT
AT RUDA

PROPOSED DRAINAGE SYSTEM VILLAGE NAT KALAN LAYOUT PLAN		SCALE 1"=175'
DATE JUNE, 2024	DRAWING No. 4490/11/TD/3J101	REV. 0



INDEX OF SHEETS

LEGEND:

- 2'X2' PROPOSED DRAIN
3'X2' PROPOSED DRAIN
DRAIN SIZE & SLOPE
- 2'x2'
S=0.0011

ABBREVIATIONS

- G.L. GROUND LEVEL
I.L. INVERT LEVEL

NOTES

1. ALL DRAIN SIZES ARE IN FEET UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL VERIFY THE INVERT LEVELS OF ALL THE STORM WATER DRAINS AS PER SITE CONDITION BEFORE CONSTRUCTION.
3. FOR STRUCTURAL DETAILS REFER TO STRUCTURAL DRAWINGS.
4. READ THIS DRAWING IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
5. MENTIONED SIZES OF PROPOSED DRAINS ARE HYDRAULIC SIZES.
6. FREE BOARD HAS BEEN INCLUDED.
7. DISPOSAL INTO POND IS TEMPORARY AS PER INSTRUCTION OF CLIENT.

SHEET (01 OF 04)

CLIENT

 RAVI URBAN DEVELOPMENT AUTHORITY (RUDA)

CONSULTANT

 NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD.

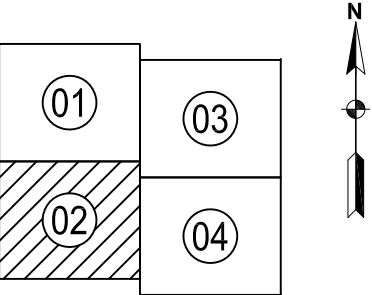
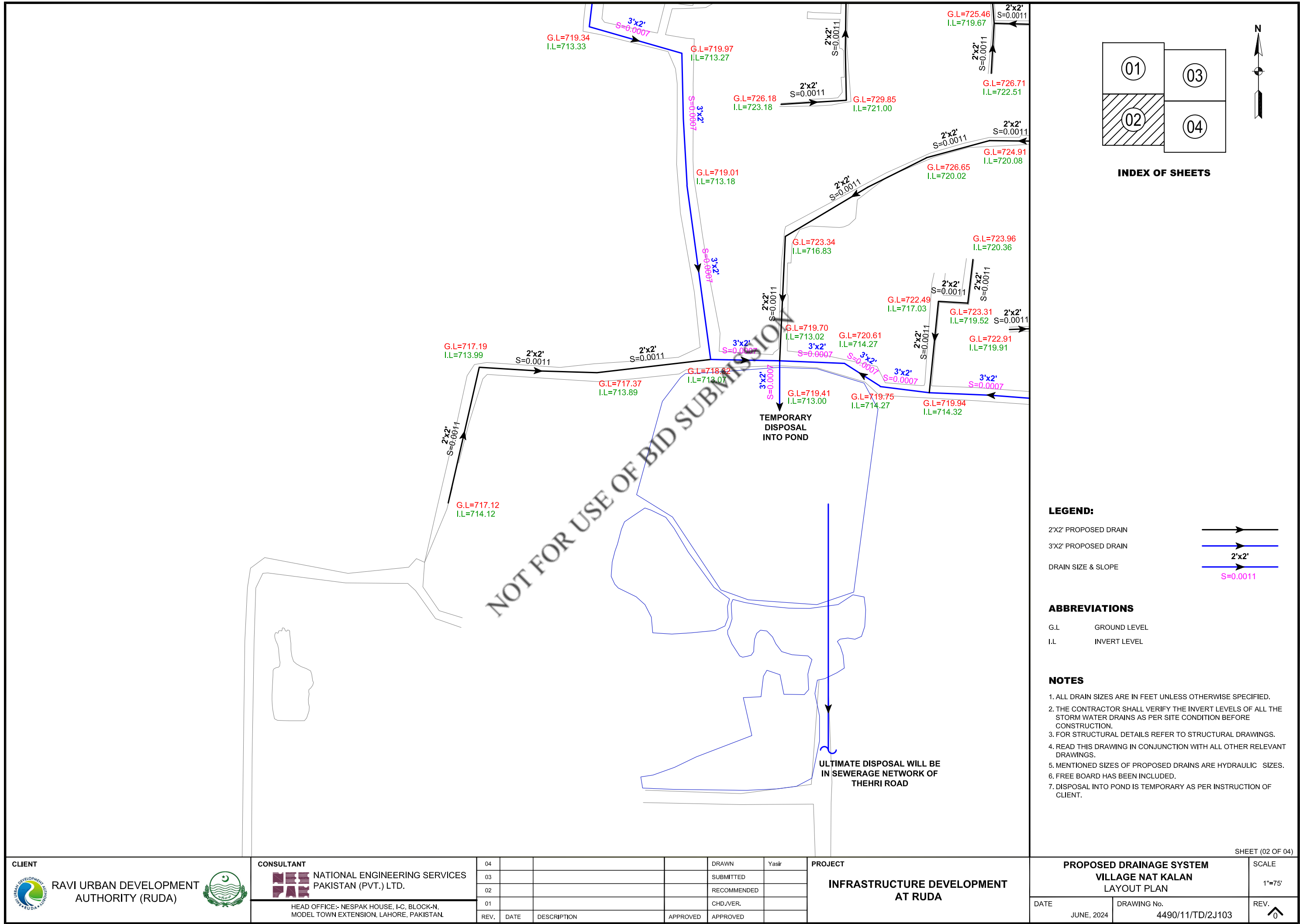
HEAD OFFICE:- NESPAK HOUSE, I-C, BLOCK-N, MODEL TOWN EXTENSION, LAHORE, PAKISTAN.

04					DRAWN	Yasir
03					SUBMITTED	
02					RECOMMENDED	
01					CHD.JVER.	
REV.	DATE	DESCRIPTION	APPROVED	APPROVED		

PROJECT

INFRASTRUCTURE DEVELOPMENT AT RUDA

PROPOSED DRAINAGE SYSTEM VILLAGE NAT KALAN LAYOUT PLAN		SCALE
DATE	DRAWING No.	REV.
JUNE, 2024	4490/11/TD/2J103	0



INDEX OF SHEETS

LEGEND:

- 2'X2' PROPOSED DRAIN
- 3'X2' PROPOSED DRAIN
- DRAIN SIZE & SLOPE

ABBREVIATIONS

- G.L. GROUND LEVEL
- I.L. INVERT LEVEL

NOTES

- 1. ALL DRAIN SIZES ARE IN FEET UNLESS OTHERWISE SPECIFIED.
- 2. THE CONTRACTOR SHALL VERIFY THE INVERT LEVELS OF ALL THE STORM WATER DRAINS AS PER SITE CONDITION BEFORE CONSTRUCTION.
- 3. FOR STRUCTURAL DETAILS REFER TO STRUCTURAL DRAWINGS.
- 4. READ THIS DRAWING IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
- 5. MENTIONED SIZES OF PROPOSED DRAINS ARE HYDRAULIC SIZES.
- 6. FREE BOARD HAS BEEN INCLUDED.
- 7. DISPOSAL INTO POND IS TEMPORARY AS PER INSTRUCTION OF CLIENT.

SHEET (02 OF 04)

CLIENT

 RAVI URBAN DEVELOPMENT
AUTHORITY (RUDA)



CONSULTANT

 NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD.

HEAD OFFICE:- NESPAK HOUSE, I-C, BLOCK-N,
MODEL TOWN EXTENSION, LAHORE, PAKISTAN.

04				DRAWN	Yasir
03				SUBMITTED	
02				RECOMMENDED	
01				CHD./VER.	
REV.	DATE	DESCRIPTION	APPROVED	APPROVED	

PROJECT

INFRASTRUCTURE DEVELOPMENT
AT RUDA

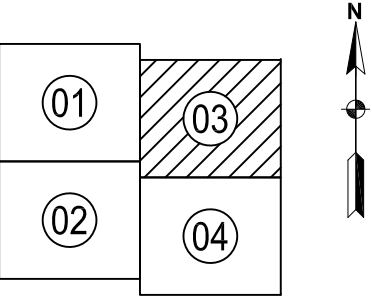
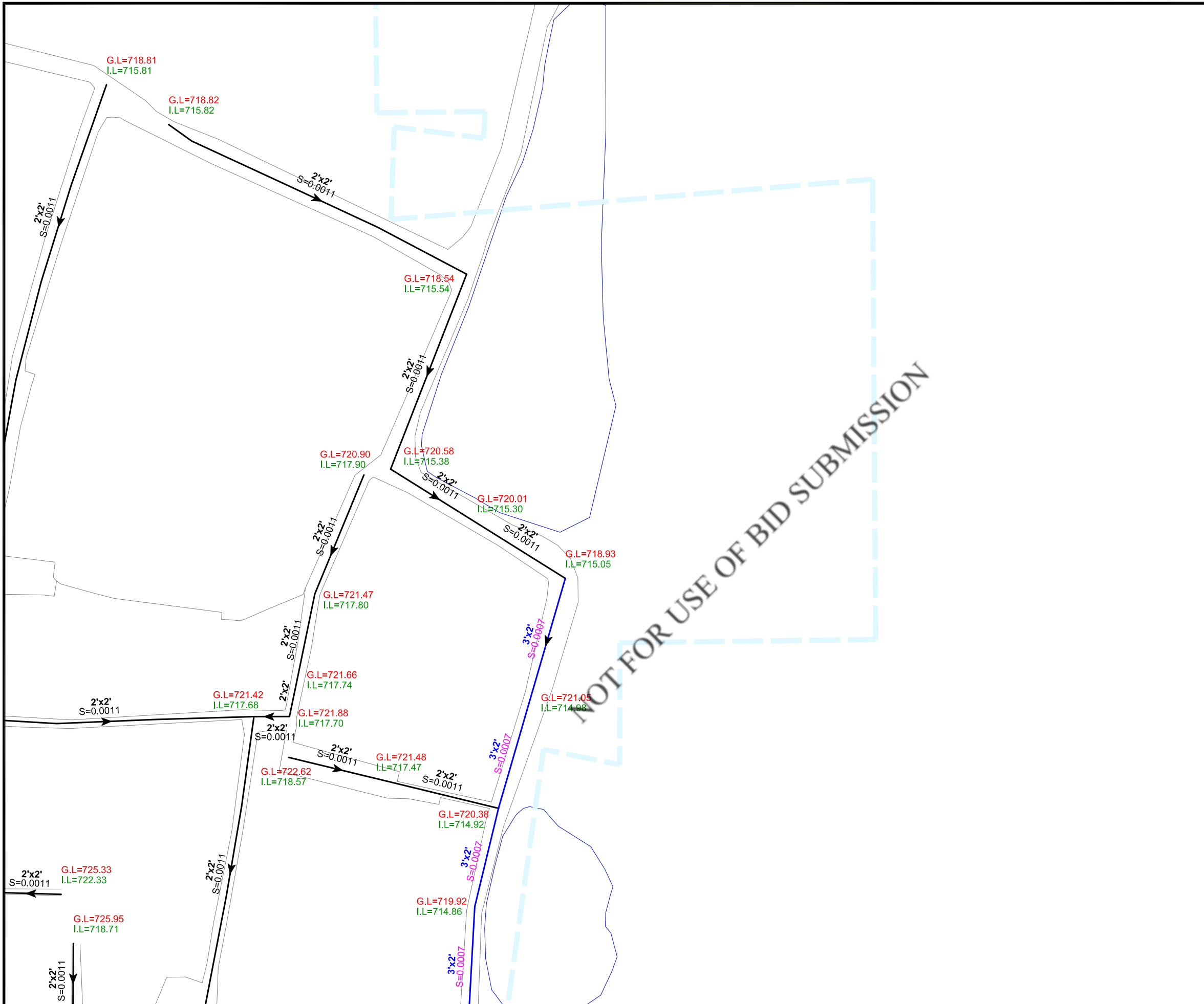
PROPOSED DRAINAGE SYSTEM
VILLAGE NAT KALAN
LAYOUT PLAN

DATE
JUNE, 2024

DRAWING No.
4490/11/TD/2J103

SCALE
1"=75'

REV.
0



INDEX OF SHEETS

LEGEND:

- 2'X2' PROPOSED DRAIN
- 3'X2' PROPOSED DRAIN
- DRAIN SIZE & SLOPE

ABBREVIATIONS

- G.L. GROUND LEVEL
- I.L. INVERT LEVEL

NOTES

- 1. ALL DRAIN SIZES ARE IN FEET UNLESS OTHERWISE SPECIFIED.
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- 4. READ THIS DRAWING IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
- 5. MENTIONED SIZES OF PROPOSED DRAINS ARE HYDRAULIC SIZES.
- 6. FREE BOARD HAS BEEN INCLUDED.
- 7. DISPOSAL INTO POND IS TEMPORARY AS PER INSTRUCTION OF CLIENT.

SHEET (03 OF 04)

CLIENT

 RAVI URBAN DEVELOPMENT
AUTHORITY (RUDA)



CONSULTANT

 NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD.

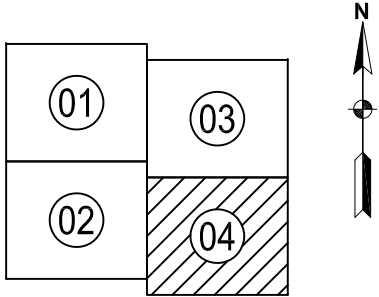
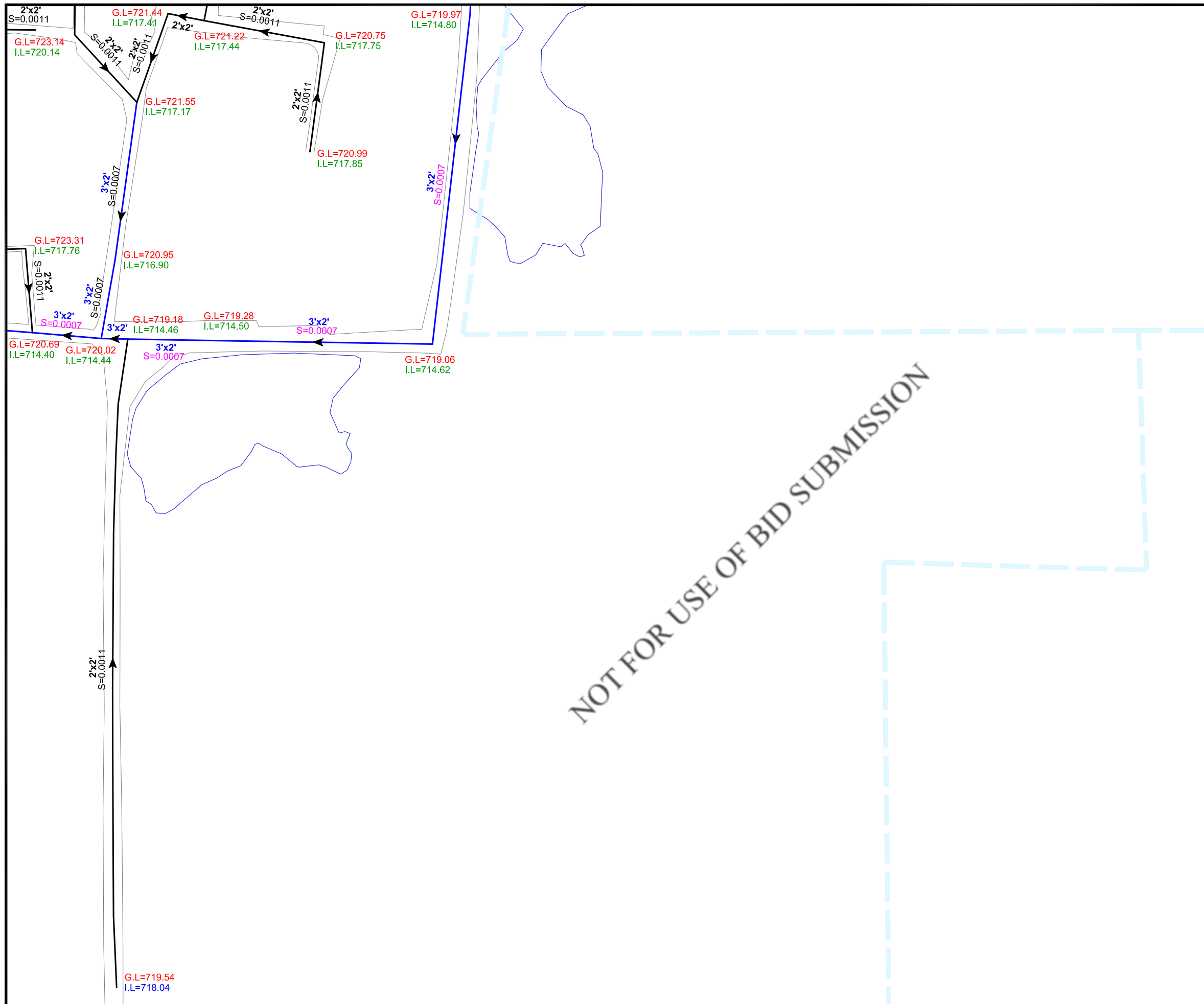
HEAD OFFICE:- NESPAK HOUSE, I-C, BLOCK-N,
MODEL TOWN EXTENSION, LAHORE, PAKISTAN.

04					DRAWN	Yasir
03					SUBMITTED	
02					RECOMMENDED	
01					CHD./VER.	
REV.	DATE	DESCRIPTION	APPROVED	APPROVED		

PROJECT

INFRASTRUCTURE DEVELOPMENT
AT RUDA

PROPOSED DRAINAGE SYSTEM VILLAGE NAT KALAN LAYOUT PLAN		SCALE 1"=75'
DATE JUNE, 2024	DRAWING No. 4490/11/TD/2J103	REV. 0



INDEX OF SHEETS

LEGEND:

- 2'X2' PROPOSED DRAIN
- 3'X2' PROPOSED DRAIN
- DRAIN SIZE & SLOPE

ABBREVIATIONS

- G.L. GROUND LEVEL
- I.L. INVERT LEVEL

NOTES

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- FOR STRUCTURAL DETAILS REFER TO STRUCTURAL DRAWINGS.
- READ THIS DRAWING IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
- MENTIONED SIZES OF PROPOSED DRAINS ARE HYDRAULIC SIZES.
- FREE BOARD HAS BEEN INCLUDED.
- DISPOSAL INTO POND IS TEMPORARY AS PER INSTRUCTION OF CLIENT.

SHEET (04 OF 04)

CLIENT

 RAVI URBAN DEVELOPMENT
AUTHORITY (RUDA)



CONSULTANT

 NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD.

HEAD OFFICE:- NESPAK HOUSE, I-C, BLOCK-N,
MODEL TOWN EXTENSION, LAHORE, PAKISTAN.

04					DRAWN	Yasir
03					SUBMITTED	
02					RECOMMENDED	
01					CHD./VER.	
REV.	DATE	DESCRIPTION	APPROVED	APPROVED		

PROJECT

INFRASTRUCTURE DEVELOPMENT
AT RUDA

PROPOSED DRAINAGE SYSTEM VILLAGE NAT KALAN LAYOUT PLAN		SCALE 1"=75'
DATE JUNE, 2024	DRAWING No. 4490/11/TD/3J103	REV. 0