

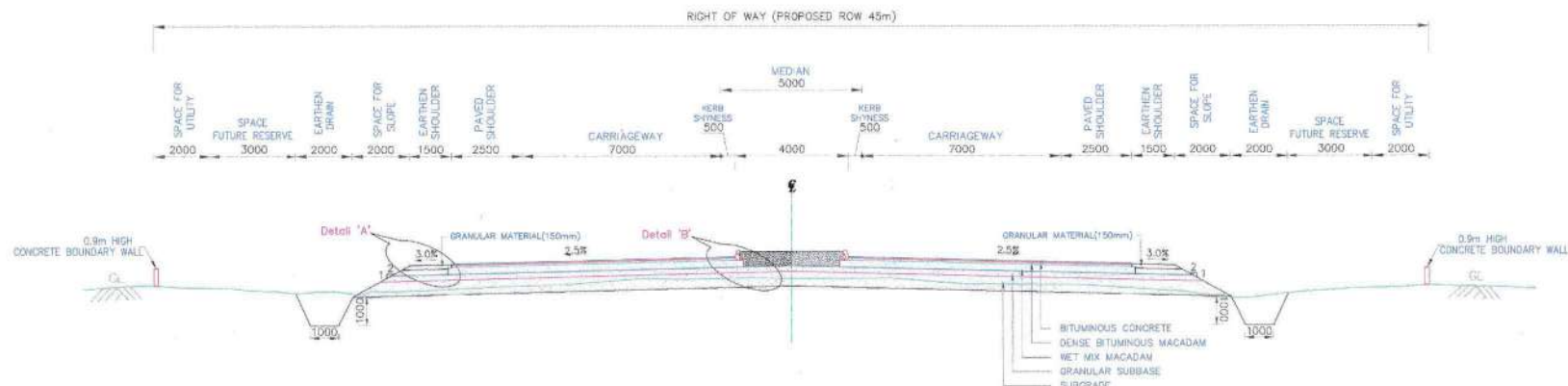


FIGURE - 2.4 (REF.-IRC:SP:84-2019)
TYPICAL CROSS SECTION FOR NEW CONSTRUCTION IN BYPASS SECTION

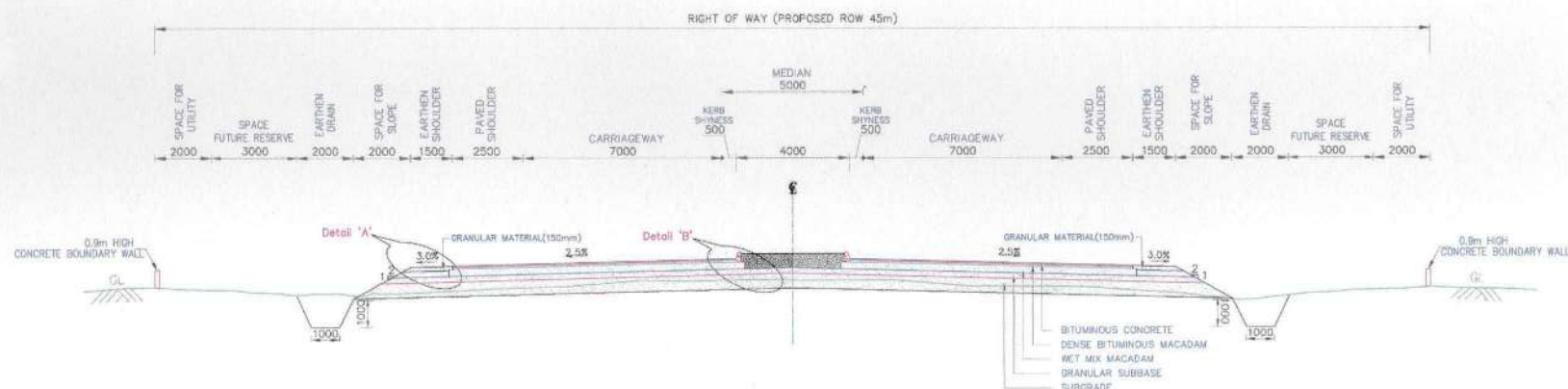


FIGURE - 2.4A (REF.-IRC:SP:84-2019)
TYPICAL CROSS SECTION FOR RECONSTRUCTION ALONG EXISTING SECTION

NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED AND ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. IF NON-BITUMINOUS LAYER IS TO BE PLACED ON THE TOP OF EXISTING ASPHALT PAVEMENT, THE PAVEMENT SHALL BE SCARIFIED.
4. MEDIAN FILL SHALL BE UP TO 25MM BELOW THE TOP OF THE KERB. REF: IRC:SP:50-1999.
5. FOR GRANULAR SUB-BASE THE MATERIAL TO BE USED SHOULD BE CLOSED GRADED FOR THE TOP LAYER AND COARSE GRADED FOR BOTTOM LAYER.
6. CHUTES SHOULD BE PROVIDED AT EVERY 10m INTERVAL WHERE EMBANKMENT HEIGHT IS BETWEEN IS MORE THAN 4m.
7. CHUTES WITH ENERGY DISSIPATION BASIN SHALL BE PROVIDED AT EVERY 10m INTERVAL WHERE THE EMBANKMENT HEIGHT IS MORE THAN 8m.
8. EMBANKMENT SLOPE SHOULD BE STONE PITCHED WHERE HEIGHT IS MORE THAN 4m.
9. FOR DETAILS TYPE 'A', 'B', 'C', 'D', 'E', 'F', & MEDIAN REF. DWG.NO.MB-G2-PR-0001-TCS-04.

Project Director
National Highways Authority of India
Regionalization Unit, Badaun

No.	DATE	REVISIONS	Drawn by	Checked by	Scale	Sheets
01	14.07.20	DRAFT DETAILED PROJECT REPORT	JIP	SMS	1:125	01 OF 04
02	07.08.19	DRAFT DETAILED PROJECT REPORT	BT	CHKD		
03	15.05.2017		PATRICK	SARALAMS		
04			BRHAGAVA	APPROVED BY		

CLIENT	NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT	CONSULTANCY SERVICES FOR FEASIBILITY STUDY AND PREPARATION OF DETAILED PROJECT REPORT FOR IMPROVEMENT AND UP-GRADATION OF NATIONAL HIGHWAYS (NH - 530 B) IN THE STATE OF UTTAR PRADESH-PKG-VII
	TYPICAL CROSS SECTION
Plot Size : (610 x 450)	DRG.NO : MB-G2-PR-0001-TCS-01

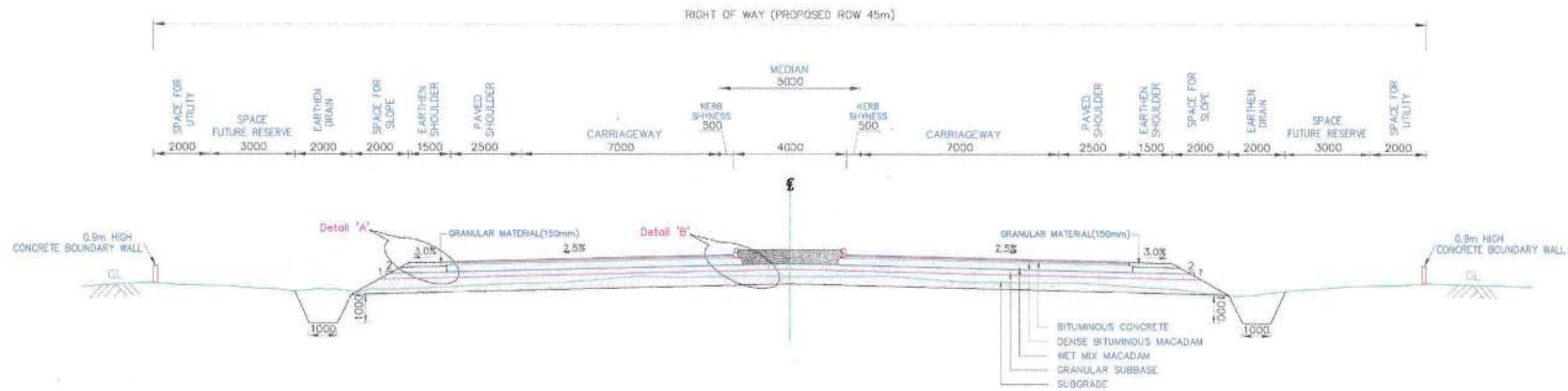


FIGURE - 2.4B (REF.-IRC: SP: 84-2019)
TYPICAL CROSS SECTION FOR NEW CONSTRUCTION ALONG REALIGNMENT/CURVE IMPROVEMENT

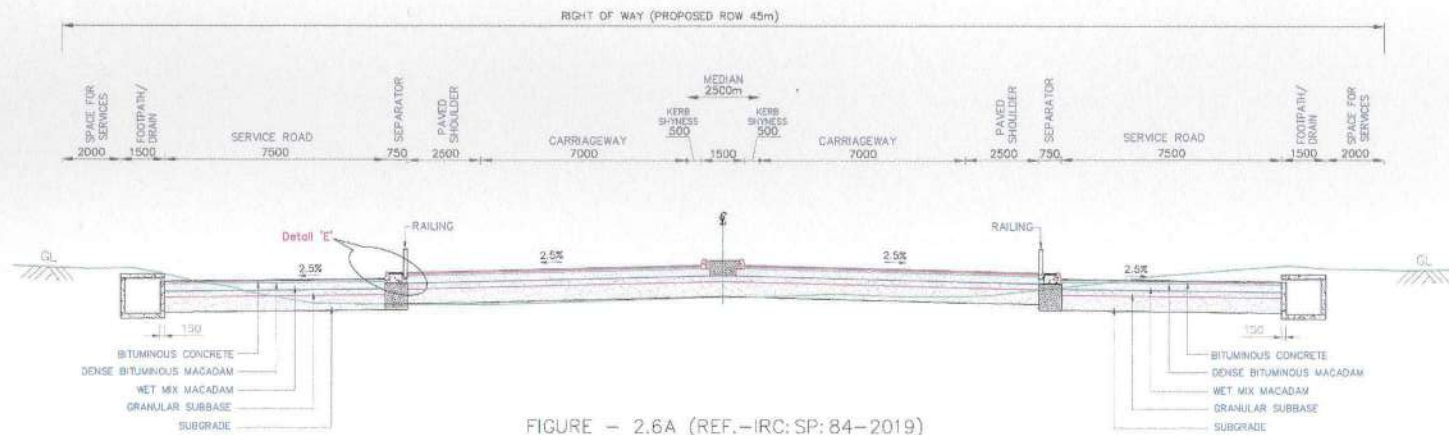


FIGURE - 2.6A (REF.-IRC: SP: 84-2019)
TYPICAL CROSS SECTION WITH SERVICE ROAD IN BUILT-UP SECTION

NOTES

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3. IF NON BITUMINOUS LAYER IS TO BE PLACED ON THE TOP OF EXISTING ASPHALT PAVEMENT, THE PAVEMENT SHALL BE SCARIFIED.
4. MEDIAN FILL SHALL BE UP TO 25MM BELOW THE TOP OF THE KERB. REF: IRC: SP: 84-2019.
5. FOR GRANULAR SUB-BASE THE MATERIAL TO BE USED SHOULD BE CLOSED GRADED FOR THE TOP LAYER AND COARSE GRADED FOR BOTTOM LAYER.
6. CHUTES SHOULD BE PROVIDED AT EVERY 10m INTERVAL WHERE EMBANKMENT HEIGHT IS BETWEEN IS MORE THAN 4m.
7. CHUTES WITH ENERGY DISSIPATION BASIN SHALL BE PROVIDED AT EVERY 10m INTERVAL WHERE THE EMBANKMENT HEIGHT IS MORE THAN 6m.
8. EMBANKMENT SLOPE SHOULD BE STONE PITCHED WHERE HEIGHT IS MORE THAN 4m.
9. FOR DETAILS TYPE 'A', 'B', 'C', 'D', 'E', 'F', & MEDIAN REF. DWG.NO: MB-02-PR-0001-TCS-04.

W H
Project Director
National Highways Authority of India
Project Implementation Unit, Badaun

01	04.07.20	DRAFT DETAILED PROJECT REPORT	JPR	SMS	MS
02	07.08.20	DRAFT DETAILED PROJECT REPORT	JPR	SMS	MS
No	DATE	REVISIONS	BY	CHKD	APPD
Date	15.05.2017	Drawn by	PATRIK	Checked by	SARALAMS
File name	TCS-01 TO 04	Designed by	BHARGAVA	Approved by	R. MEENAKSHA GUPHA
				Scale	1:125
				Sheets	02 OF 04

CLIENT	NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT	CONSULTANCY SERVICES FOR FEASIBILITY STUDY AND PREPARATION OF DETAILED PROJECT REPORT FOR IMPROVEMENT AND UP-GRADATION OF NATIONAL HIGHWAYS (NH - 530 B) IN THE STATE OF UTTAR PRADESH-PKG-VII
	TYPICAL CROSS SECTION
Plot Size : (610 x 450)	DRG.NO : MB-02-PR-0001-TCS-02

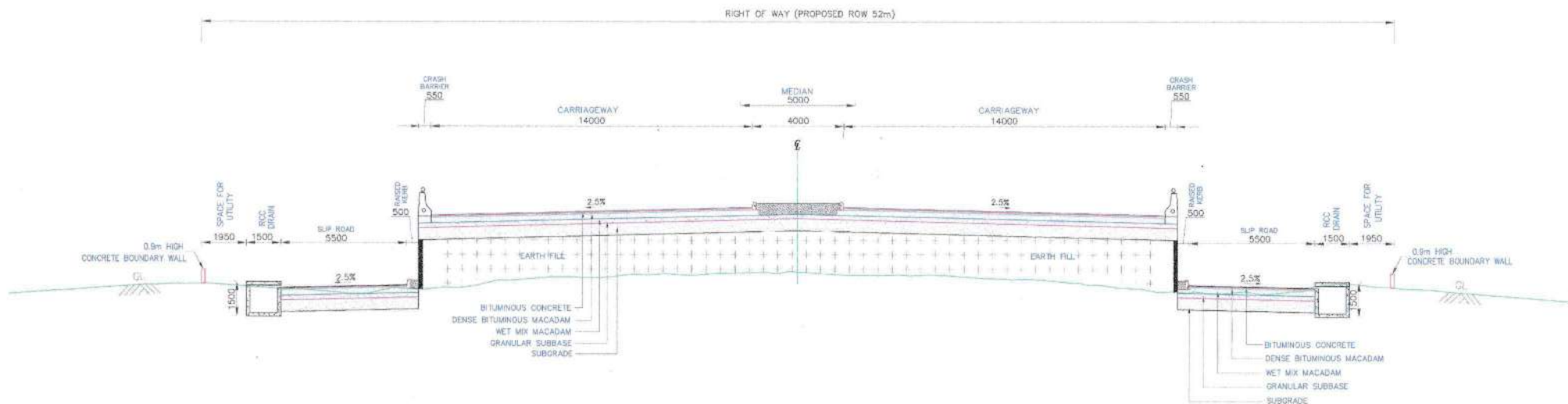


FIGURE - 7.8A (REF.-IRC:SP:84-2019)
TYPICAL CROSS SECTION FOR APPROACHES OF GRADE SEPARATED STRUCTURE

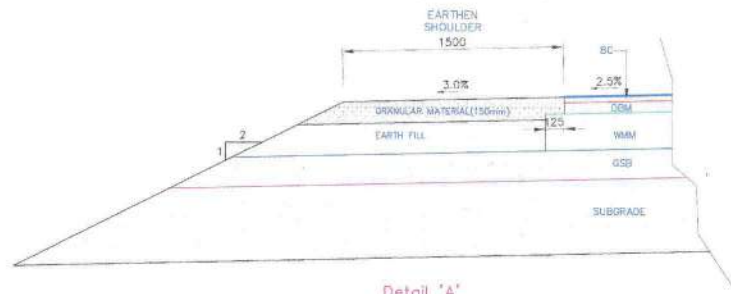
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8. EMBANKMENT SLOPE SHOULD BE STONE PITCHED WHERE HEIGHT IS MORE THAN 4m.
9. FOR DETAILS TYPE 'A', 'B', 'C', 'D', 'E', 'F', & MEDIAN REF. DWG.NO.MB-02-PR-0001-TCS-04.

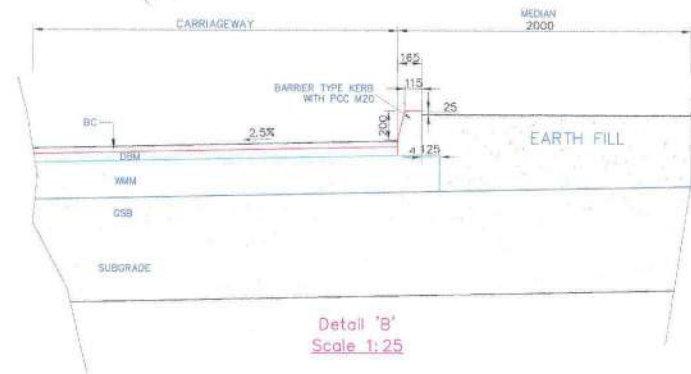
W H
Project Director
National Highways Authority of India
Project Implementation Unit, Badaun

No	DATE	REVISIONS	Drawn by	Checked by	Scale
1	15.05.2017		PATRICK	SARALAMS	1:125
2			BHARGAVA	R. MEENAKSHA GUPTA	03 OF 04

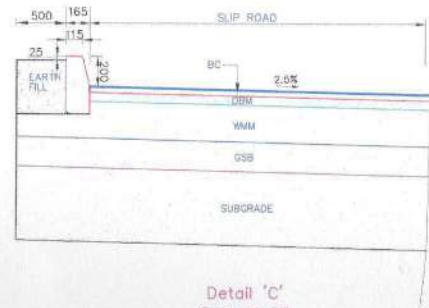
CLIENT	NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT	CONSULTANCY SERVICES FOR FEASIBILITY STUDY AND PREPARATION OF DETAILED PROJECT REPORT FOR IMPROVEMENT AND UP-GRADATION OF NATIONAL HIGHWAYS (NH - 530 B) IN THE STATE OF UTTAR PRADESH-PKG-VII
	TYPICAL CROSS SECTION
	Plot Size : (610 x 450) DRG.NO : MB-02-PR-0001-TCS-03



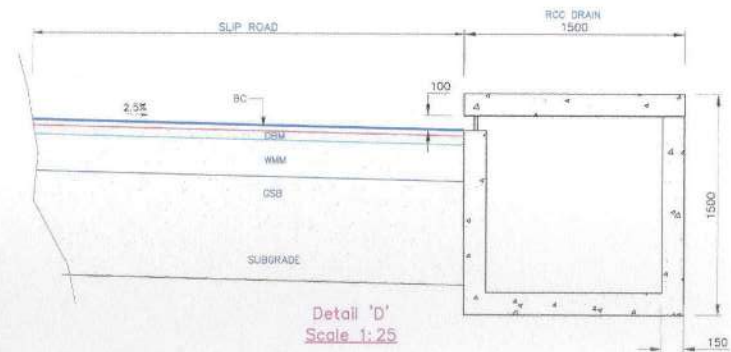
Detail 'A'
Scale 1:25



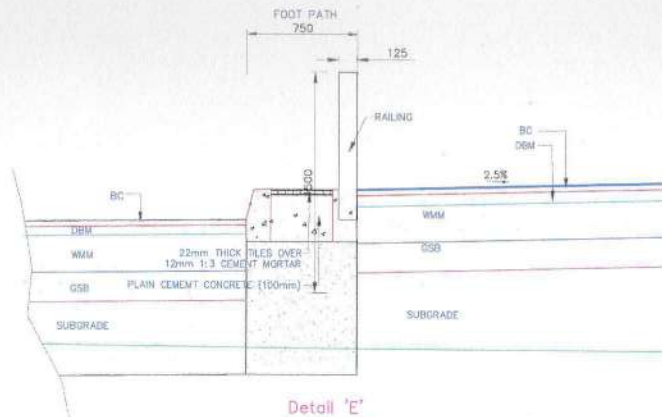
Detail 'B'
Scale 1:25



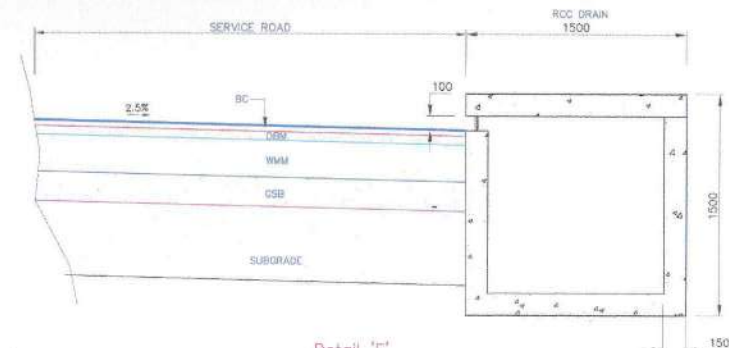
Detail 'C'
Scale 1:25



Detail 'D'
Scale 1:25



Detail 'E'
Scale 1:25



Detail 'F'
Scale 1:25

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7. CHUTES WITH ENERGY DISSIPATION BASH SHALL BE PROVIDED AT EVERY 10m INTERVAL WHERE THE EMBANKMENT HEIGHT IS MORE THAN 8m.
8. EMBANKMENT SLOPE SHOULD BE STONE PITCHED WHERE HEIGHT IS MORE THAN 4m.
9. FOR DETAILS TYPE 'A', 'B', 'C', 'D', 'E', 'F', & MEDIAN REF. DWS.NO.MB-02-PR-0001-TCS-04.

m n
Project Director
National Highways Authority of India
Project Implementation Unit, Badaun

No	DATE	REVISIONS	BY	CHKD	APPR
01	04.07.20	DRAFT DETAILED PROJECT REPORT	JTP	SMS	MG
02	07.03.19	DRAFT DETAILED PROJECT REPORT	JTP	SMS	MG
Date			Scale		
15.05.2017			1:25		
File name			Sheets		
TCS-01 TO 04			04 OF 04		

CLIENT	NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT	CONSULTANCY SERVICES FOR FEASIBILITY STUDY AND PREPARATION OF DETAILED PROJECT REPORT FOR IMPROVEMENT AND UP-GRADATION OF NATIONAL HIGHWAYS (NH - 530 B) IN THE STATE OF UTTAR PRADESH-PKG-VII
DETAILS OF TYPICAL CROSS SECTIONS	
Plot Size : (610 x 450)	DRG.NO : MB-02-PR-0001-TCS-04