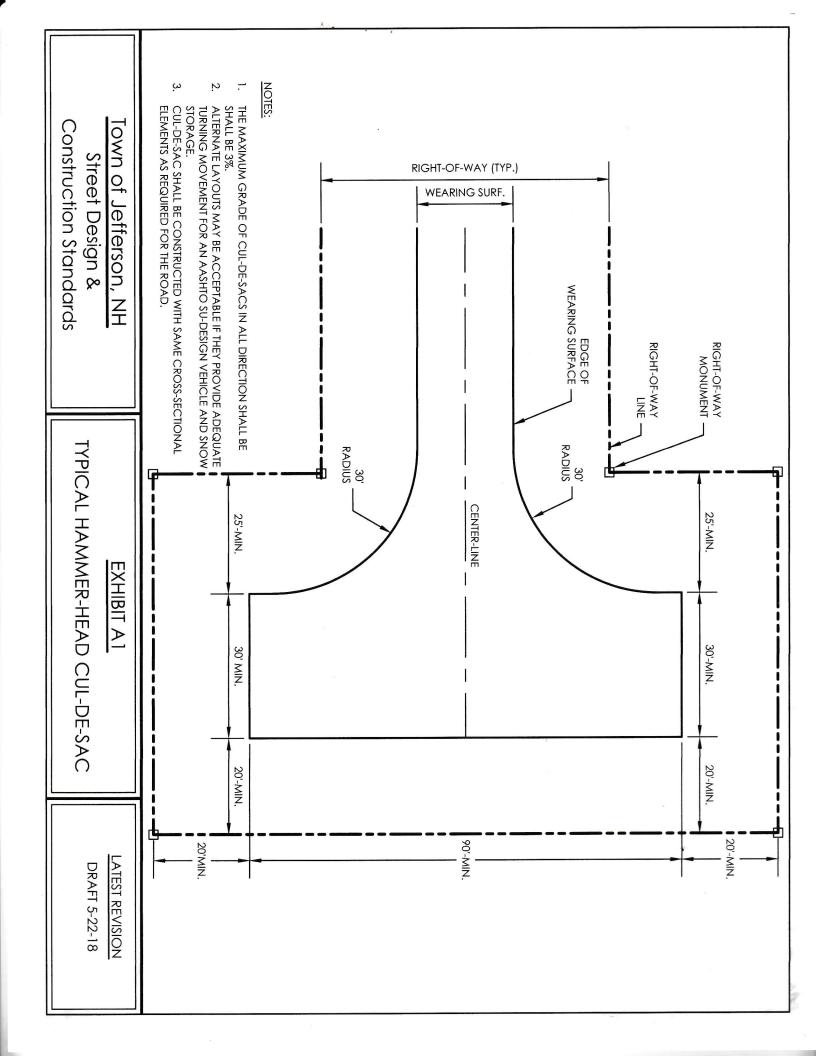
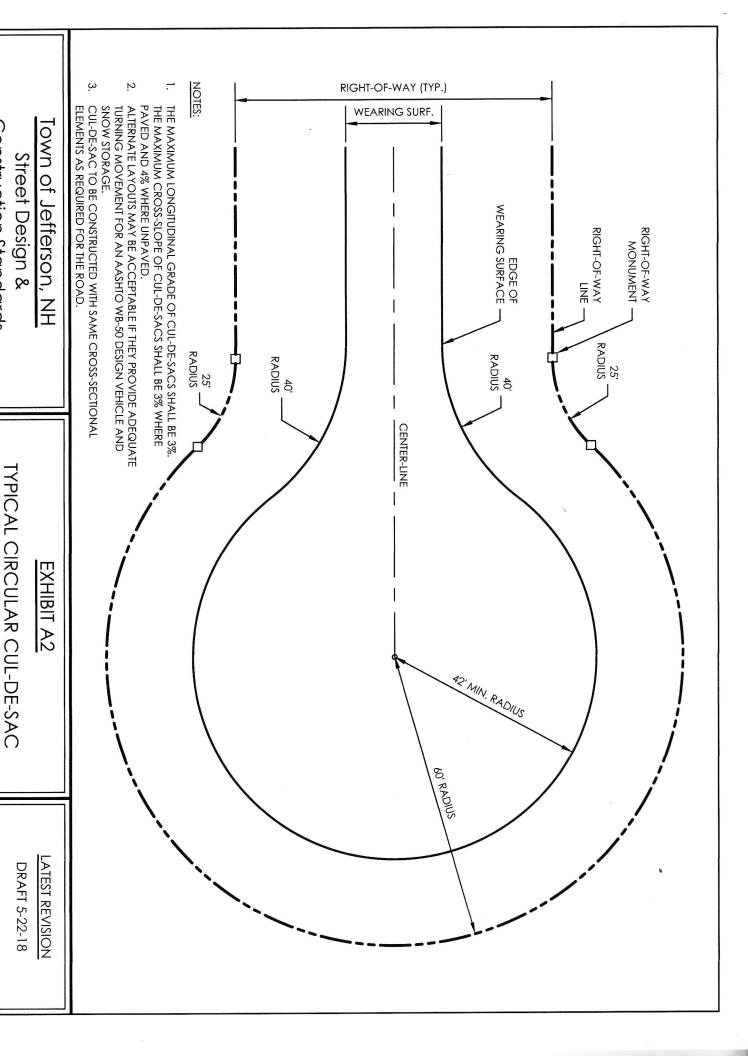
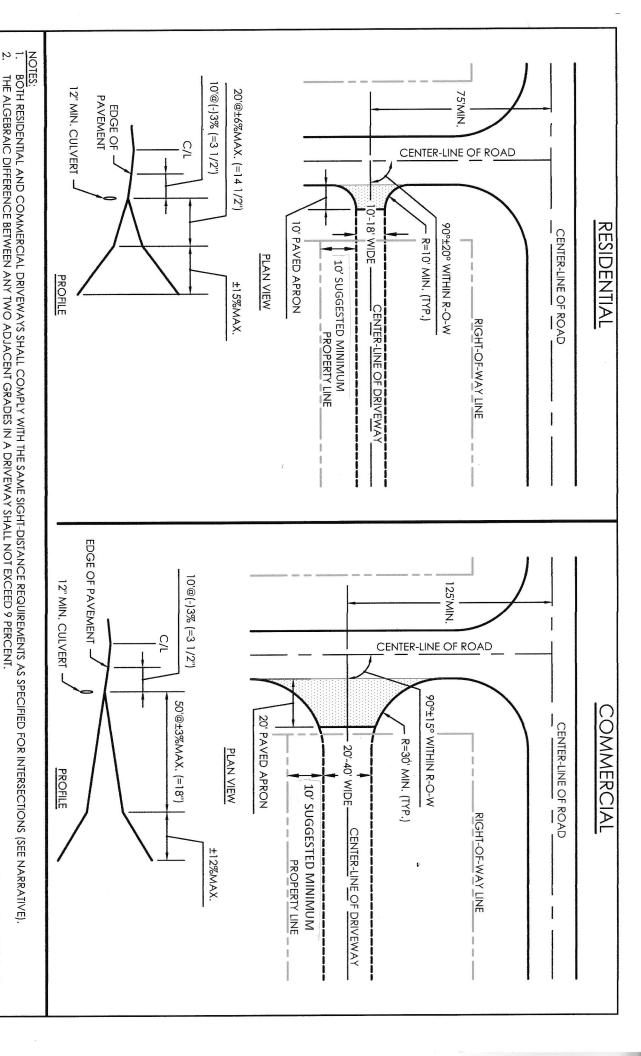
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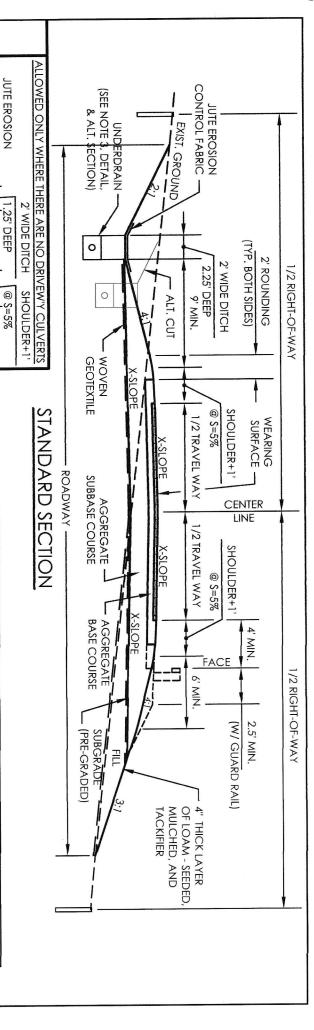
Construction Standards



Street Design & Construction Standards

<u>EXHIBIT B</u> TYPICAL DRIVEWAY LAYOUT

FOR ALL DRIVEWAYS IN EXCESS OF 500 FEET LONG, A TURN-AROUND SHALL BE PROVIDED AT THE DEAD-END TO ACCOMMODATE EMERGENCY VEHICLES (AASHTO SU Design Vehicle). FOR RESIDENTIAL DRIVEWAYS IN EXCESS OF 500' LONG, 20' WIDE BY 100' LONG SECTIONS SHALL BE SPACED NO MORE THAN 500' APART TO ALLOW EMERGENCY VEHICLES TO PASS.



	_	AVERAGE DAILY TRAFFIC (ADT	TRAFFIC (ADT)	<50	50-400	400-1,500***	1,500 - 2,000***
		TRAVELED	WIDTH	18'	20'	20'	22'
		WAY	TYPE	HOT BIT. PAV'T**	HOT BIT. PAV'T	HOT BIT. PAV'T	HOT BIT. PAV'
			HTDIW	1'	2'	4'	6'
1		SHOULDER	TYPE	GRAVEL	GRAVEL	GRAVEL	GRAVEL
		WEARING	WEAR COURSE	2" THICK	1"THICK	1" THICK	1.5" THICK
₽		SURFACE	BASE BASE	SINGLE-COURSE	2" THICK	2.25" THICK	2.5" THICK
VIL)		AGGREGATE	BASE	6" THICK	6" THICK	6" THICK	6" THICK
		COURSES	SUBBASE	18" THICK*	12" THICK*	18" THICK	18" THICK

ALT. CUT

EXIST. GRD

CTRL FABRIC

5' MIN.

SECT'N

STD.

3.0' MIN

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6"Ø MIN. UNDERDRA

-SLOPE

(SEE NOTE 3 & DETAI

NOTES

X-SLOPE

3%*

2%

2%

CONSISTS OF GLACIAL OUTWASH SAND AND GRAVELS TO A DEPTH OF 4 FT BELOW FINISHED GRADE. THE AGGREGATE SUBBASE DEPTH MAY BE REDUCED BY 6 INCHES AND THE GEOTEXTILE OMITTED WHERE THE SOIL * SEE NOTE 1, ** SEE NOTE 5. *** SEE NOTE

EXCEPT FOR THE ALTERNATE SECTION (UNDERDRAIN), THE AGGREGATE BASE AND SUBBASE COURSES SHALL EXTEND TO DAYLIGHT, EITHER BY ELEVATING THE ROAD OR BY CONSTRUCTING DITCHES WITH FREE-DRAINING OUTLETS

UNDERDRAINS SHALL BE CONSTRUCTED (WITH FREE-DRAINING OUTLETS) UNDER ALL DITCHES WHERE THE SEASONAL HIGH GROUNDWATER TABLE IS LESS THAN 1.5 FT BELOW THE DITCH INVERT SHOWN IN THE STANDARD SECTION..

CUT AND FILL SLOPES MAY BE FLATTER THAN SHOWN.

UNDERDRAIN DETAIL

3/4" BEDDING

STONE

GRAVEL 2" CRUSHED

2' MIN.

NON-WOVEN

DITCH LINING 1 1/2" CRUSHED

GRAVEL

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2

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GEOTEXTILE

PERF. PIPE

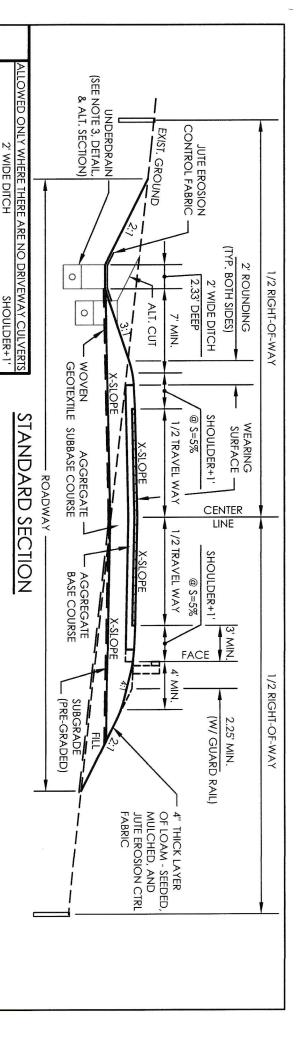
4 7 REFER TO THE NARRATIVE OF THESE ROAD STANDARDS FOR ADDITIONAL SPECIFICATIONS/REQUIREMENTS. BE APPLIED TO THE GRAVEL WEARING SURFACE. HOWEVER, BEFORE SUCH ROAD MAY BE ACCEPTED AS A TOWN FOR ROADS WITH AN ADT FROM 0 TO 50, THE HOT BITUMINOUS PAVING MAY BE REPLACED WITH A 3-INCH THICK ROAD, IT SHALL BE PAVED (HOT BIT.) COMPLYING WITH THE TOWN ROAD STANDARDS IN EFFECT AT THE TIME. Gravel wearing surface. If the Grade of such road exceeds 6%, an asphalt surface treatment shali

FOR ADT <400, ALSO MUST COMPLY WITH "ROADSIDE DESIGN GUIDE" BY AASHTO, LATEST EDITION.

Construction Standards own of Jefferson, NH Street Design &

EXHIBIT C1

STANDARD ROAD CROSS-SECTION



* SEE NOTE 1, ** SEE NOTE 5.	* SEE NOT			
3%	3%*	OPE	X-SLOPE	
18" THICK*	18" THICK*	SUBBASE	COURSES	
6" THICK	6" THICK	BASE	AGGREGATE	
2" THICK	SINGLE-COURSE	BASE BASE	SURFACE	
1" THICK	2" THICK	WEAR COURSE	WEARING	
GRAVEL	GRAVEL	TYPE	SHOULDER	
2'	1'	HIDIM	SEO III DEB	
HOT BIT. PAV'T	HOT BIT. PAV'T**	TYPE	WAY	
20'	18'	WIDTH	TRAVELED	
50-400	<50	TRAFFIC (ADT)	AVERAGE DAILY TRAFFIC (ADT	

ALT. CUT

JUTE EROSION 1.33' DEEP

4' MIN.

@ S=5%

CTRL FABRIC

SECT'N

3.0' MIN.

6

6"Ø MIN. UNDERDRAII (SEE NOTE 3 & DETAIL

X-SLOPE

STD.

- NOTES:

 1. THE AGGREGATE SUBBASE DEPTH MAY BE REDUCED BY 6 INCHES AND THE GEOTEXTILE OMITTED WHERE THE SOIL

 1. THE AGGREGATE SUBBASE DEPTH MAY BE REDUCED BY 6 INCHES AND THE GEOTEXTILE OMITTED WHERE THE SOIL CONSISTS OF GLACIAL OUTWASH SAND AND GRAVELS TO A DEPTH OF 4 FT BELOW FINISHED GRADE.
- EXCEPT FOR THE ALTERNATE SECTION (UNDERDRAIN), THE AGGREGATE BASE AND SUBBASE COURSES SHALL EXTEND TO DAYLIGHT, EITHER BY ELEVATING THE ROAD OR BY CONSTRUCTING DITCHES WITH FREE-DRAINING OUTLETS.
- high groundwater table is less than 1.5 ft below the ditch invert shown in the standard section. underdrains shall be constructed (with free-draining outlets) under all ditches where the seasonal
- CUT AND FILL SLOPES MAY BE FLATTER THAN SHOWN.

UNDERDRAIN DETAIL

3/4" BEDDING

STONE

/2" CRUSHED

2' MIN. GRAVEL NON-WOVEN

GEOTEXTILE

1 1/2" CRUSHED

GRAVEL

PERF. PIPE

- 6 4 0 BE APPLIED TO THE GRAVEL WEARING SURFACE. HOWEVER, BEFORE SUCH ROAD MAY BE ACCEPTED AS A TOWN FOR ROADS WITH AN ADT FROM 0 TO 50, THE HOT BITUMINOUS PAVING MAY BE REPLACED WITH A 3-INCH THICK road, it shall be paved (hot bit.) complying with the town road standards in effect at the time. Gravel wearing surface. If the grade of such road exceeds 6%, an asphalt surface treatment shall
- REFER TO THE NARRATIVE OF THESE ROAD STANDARDS FOR ADDITIONAL SPECIFICATIONS/REQUIREMENTS

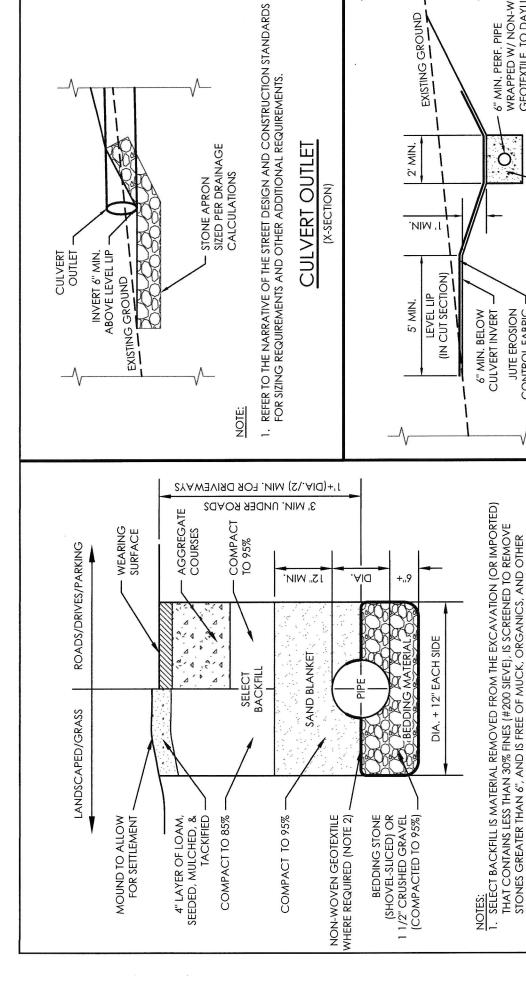
HILLSIDE TERRAIN CROSS-SECTION EXHIBIT C2

EXCEEDS 8%, PROVIDED THE ADT IS LESS THAN 400 AND THE DESIGN (MAY BE USED WHERE THE NATURAL GROUND SLOPE GENERALLY SPEED IS NO GREATER THAN 30 MPH)

Construction Standards

Street Design &

fown of Jefferson, NH



1. REFER TO THE NARRATIVE OF STREET DESIGN AND CONSTRUCTION STANDARDS FOR SIZING REQUIREMENTS AND OTHER ADDITIONAL REQUIREMENTS. LEVEL SPREADER (X-SECTION) 1 1/2" CRUSHED GRAVEL (NHDOT ITEM 304.3) NOTE:

REFER TO THE NARRATIVE OF THESE STREET DESIGN AND CONSTRUCTION STANDARDS

FOR ADDITIONAL REQUIREMENTS.

3

CULVERT TRENCH

(X-SECTION)

NON-WOVEN GEOTEXTILE REQUIRED WHEN BEDDING STONE IS USED FOR BEDDING MATERIAL AND THE SEASONAL HIGH WATER TABLE IS ABOVE THE BOTTOM OF THE

DELETERIOUS MATERIALS.

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WRAPPED W/ NON-WOVEN GEOTEXTILE, TO DAYLIGHT WITH RODENT GUARD

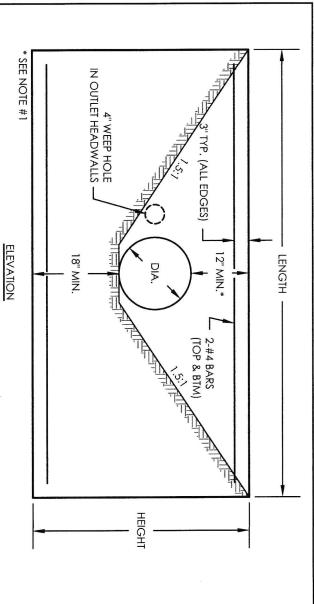
> JUTE EROSION CONTROL FABRIC

6" MIN. PERF. PIPE

EXISTING GROUND

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EXHIBIT D: CULVERT TRENCH EXHIBIT E: CULVERT OUTLET LEVEL SPREADER EXHIBIT F:



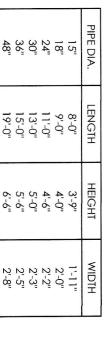
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NHDOT ITEM 304.3 CRUSHED GRAVEL COMPACTED TO 95%

2-#4 BARS

(PER ASSHTO T-99)



OTES:

- 1. IF THE HEIGHT ABOVE THE CULVERT IS INCREASED, THE HEADWALL LENGTH SHALL BE INCREASED AS REQUIRED TO MAINTAIN THE 1.5:1 EARTH SLOPE.
- EARTH SLOPES TO BE STABILIZED WITH EROSION CONTROL FABRIC OR STONE/RIPRAP AS REQUIRED TO PREVENT SCOUR/EROSION.

Town of Jefferson, NH Street Design & Construction Standards

STONE MASONRY

X-SECTION

CONCRETE

MIDIH

12" MIZ.

2" MIN.

1:4 BATTER

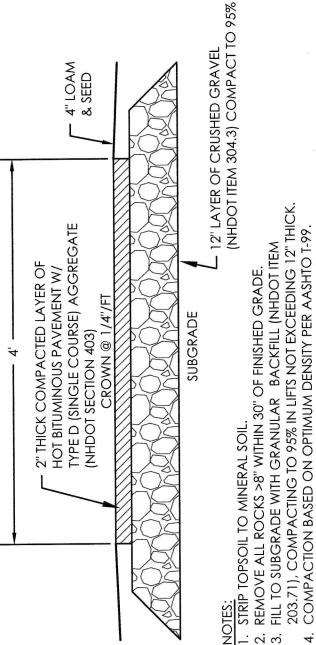
2-#4 BARS

(3,000 PSI)

NHDOT ITEM 520.12 CLASS A CONCRETE

MORTAR RUBBLE STONE MASONRY

EXHIBIT G: CULVERT HEADWALL



Construction Standards Town of Jefferson, NH Street Design &

EXHIBIT H: SIDEWALKS - ASPHALT