STRUCTURE SURVEY TEMPLATE

				DATE	11/14/07
ROAD NAME	RR x-ing near HWY 126			COUNTY	Ventura
STREAM NAME	Todd Barranca			PHOTO ID #	
STRUCTURE #	TB1		X,Y COORDINATE		

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		40' clear span		Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	Vertical concrete abutments
HIGH WATER MARK (Description, Witness, and Date)	

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge		Number of Barrels	RCP (Reinforced Concrete Pipe)		Headwall
Span Bridge			CMP (Corrugated Metal Pipe)	Height from Top of Road to Invert	Wingwalls Type 0^0, 45^0, 90^0
Pier Shape		1) Circular	Bitmus Coated		Projecting
Culvert		2) Rectangle (Span X Rise)	Steel		Flush with Slope
Dam		3) Elliptical	Timber	Top of Road EL	MES (Mitered End Section)
Spillway		4) Con/Span	Ductile		FES (Flared End Section)
Riser Barrel		5) Elevated Arch	Clay	From Topo Map (FT.NGVD) or (FT.NAVD)	
Outlet		6) Pipe Arch	Masonry Rock + concrete		
		7) Other			

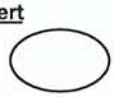
Pier Shape

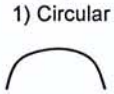
1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

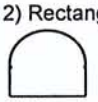
Types (Shape) of Culvert

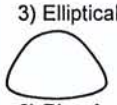

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

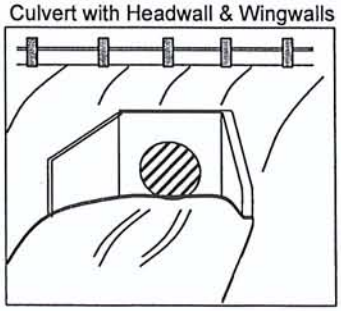

5) Elevated Arch


6) Pipe Arch

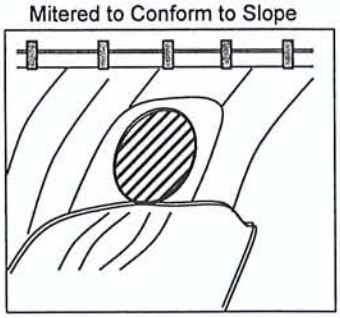
7) Other

Inlet/Outlet Type

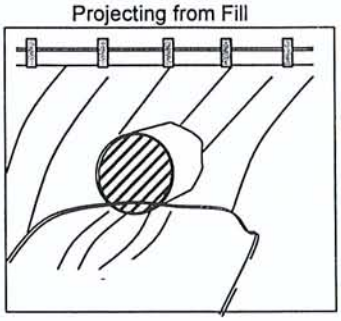
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

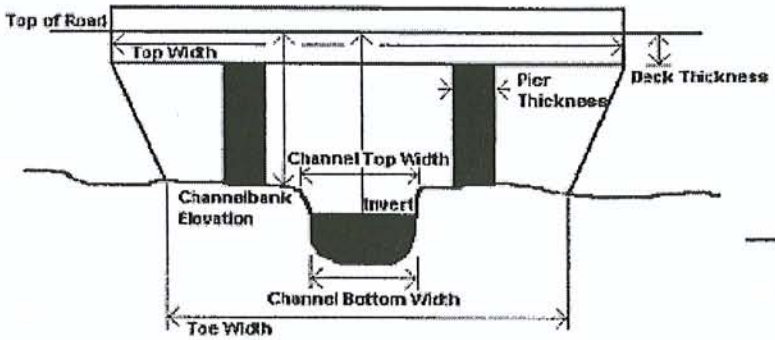


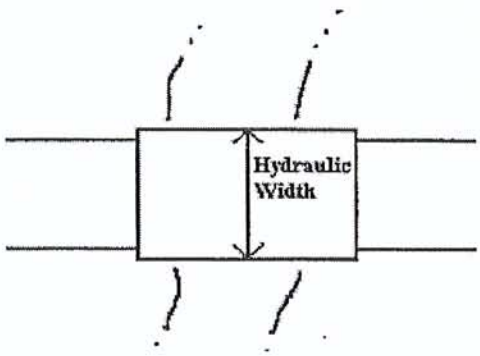
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH
	40'	

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
5' ±	40'	
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
40'	0	





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

Ventura County Jail d/s on left over bank
lemon orchards either side

Land Use

dense vegetation u/s + d/s
arroyo. willow + eucalyptus

Vegetative Cover

sandy material

Bed Material

overgrown w/ somewhat steep, erodable banks
~2:1 to 3:1 slope (H:V)

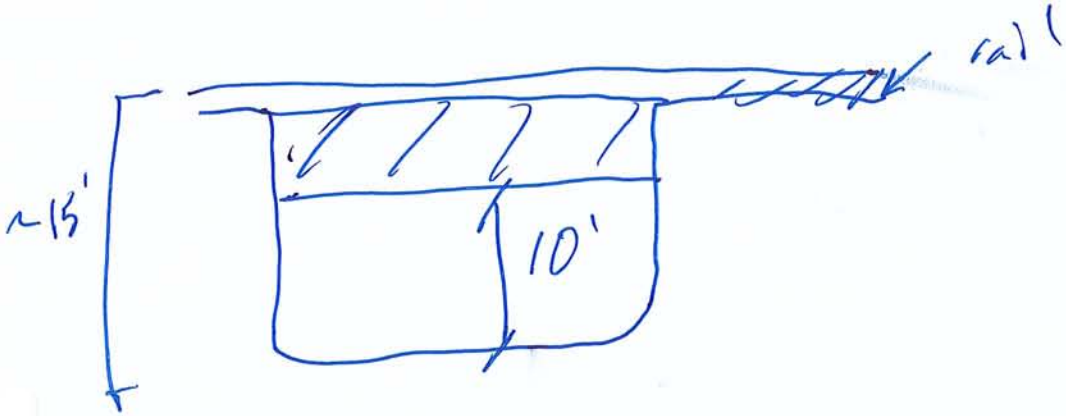
General Channel Condition

left bank grouted revetment @ d/s end.
extends 40 yds d/s from bridge.

Banks

erosive sandy-gravel material both banks u/s and right bank d/s
agriculture.

Overbanks



STRUCTURE SURVEY TEMPLATE

				DATE	11/14/07
ROAD NAME	Telegraph Rd			COUNTY	Ventura
STREAM NAME	Todd Barranca			PHOTO ID #	
STRUCTURE #	TB2		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		~ 55' x 10'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	drop concrete drop @ d/s end				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock concrete	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

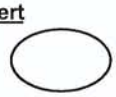
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

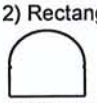
Types (Shape) of Culvert

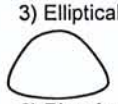

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

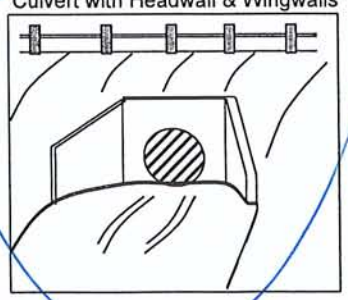

5) Elevated Arch


6) Pipe Arch

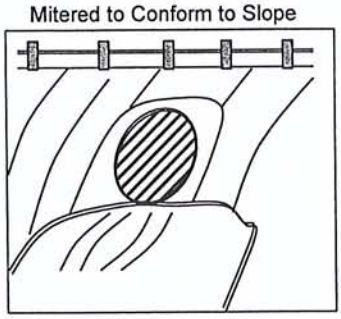
7) Other

Inlet/Outlet Type

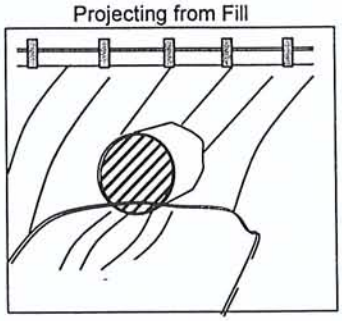
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

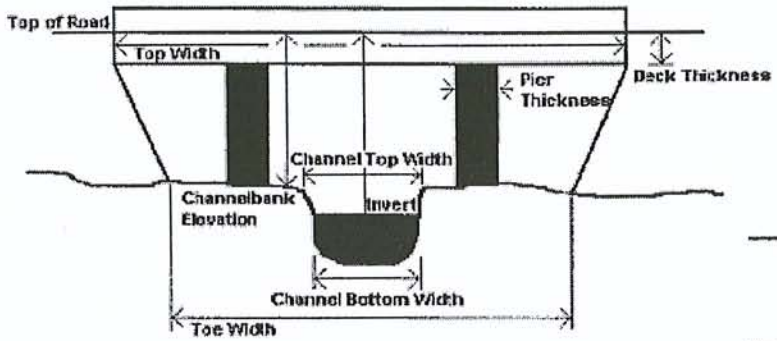


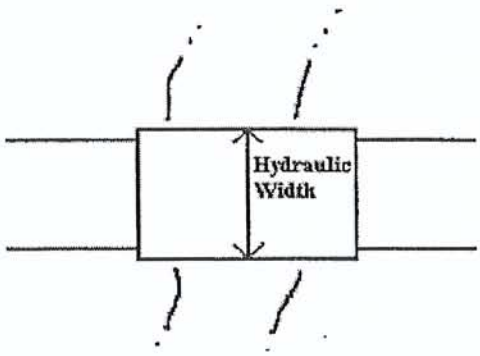
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	0	

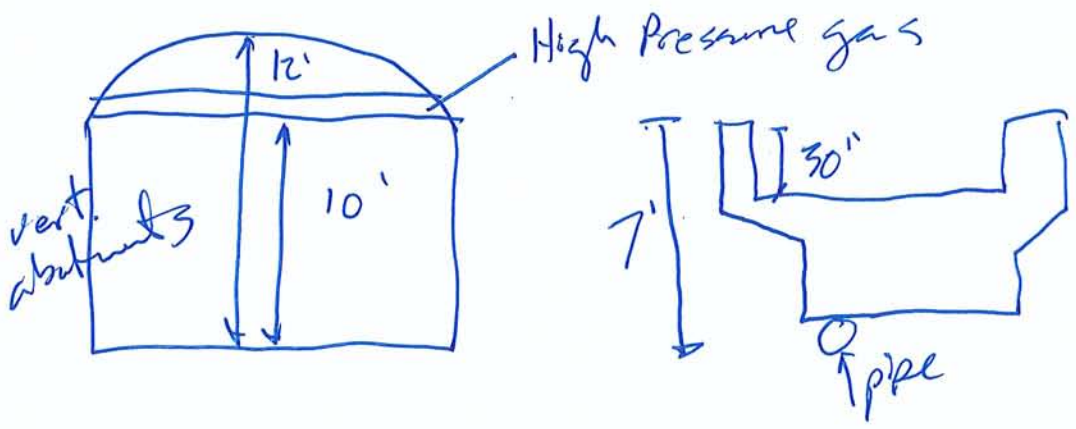




PHOTOS

Name

Description



ADDITIONAL CHANNEL INFORMATION

Land Use

primarily willow

Vegetative Cover

sandy silt material.

Bed Material

right abutment @ u/s side is being eroded
channel filled-in slightly on left

General Channel Condition

left and right banks are severly eroded, sandy material

Banks

left overbank d/s has Floodwall ~5' on far side of Todd Rd. -

Overbanks

Orchard (on left side u/s) is encroaching on channel, forcing flow to right + eroding behind right abutment.

STRUCTURE SURVEY TEMPLATE

				DATE	
ROAD NAME	Ranch Rd (on Thomas Guide)			COUNTY	
STREAM NAME	Todd Branch			PHOTO ID #	
STRUCTURE #	TB 3		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	very eroded abutments				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet flatcar bridge	Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0^0, 45^0, 90^0 Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

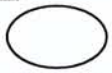
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

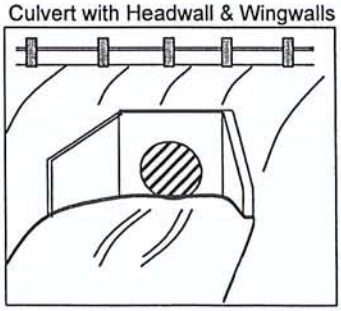

5) Elevated Arch


6) Pipe Arch

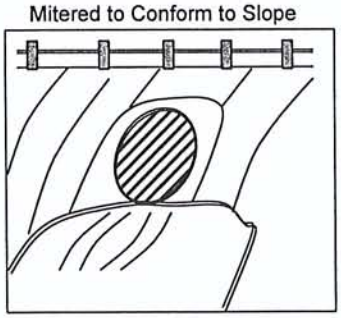
7) Other

Inlet/Outlet Type

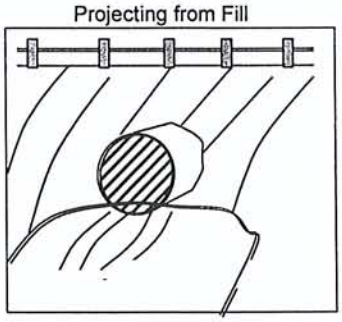
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

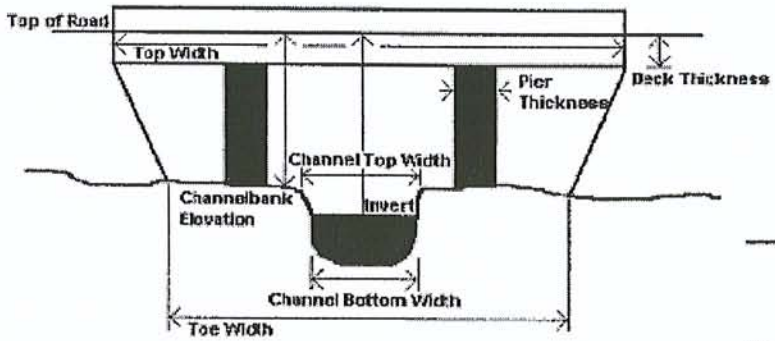


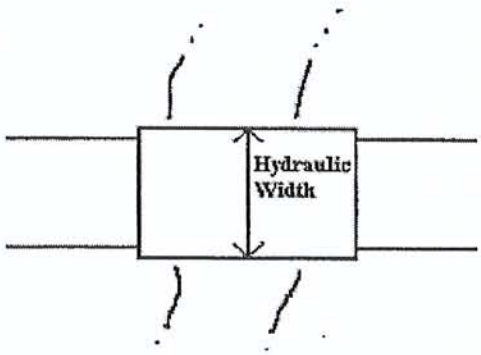
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
3'		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	0	





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

Land Use

willows + a few palm trees.

Vegetative Cover

gravel bottom material

Bed Material

steep banks, but

General Channel Condition

severly eroded abutments steep banks, not much vegetation in the channel.

Banks

residents on left, agriculture (celery) on the right

Overbanks

STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	Foothills Rd	COUNTY	Ventura
STREAM NAME		PHOTO ID #	
STRUCTURE #	TB4	X Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		20x14'		Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock concrete	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

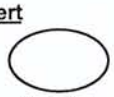
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

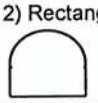
Types (Shape) of Culvert

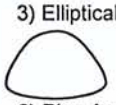

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

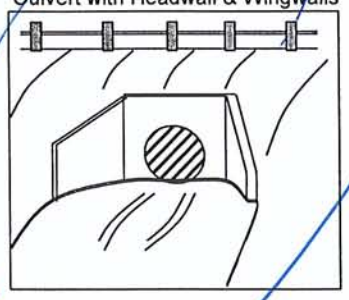

5) Elevated Arch


6) Pipe Arch

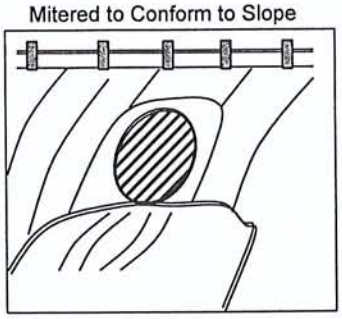
7) Other

Inlet/Outlet Type

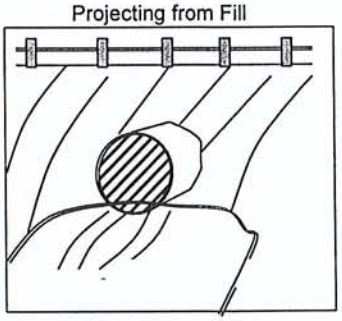
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

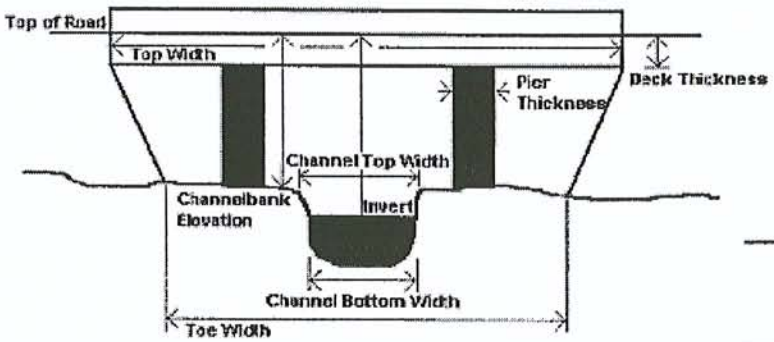


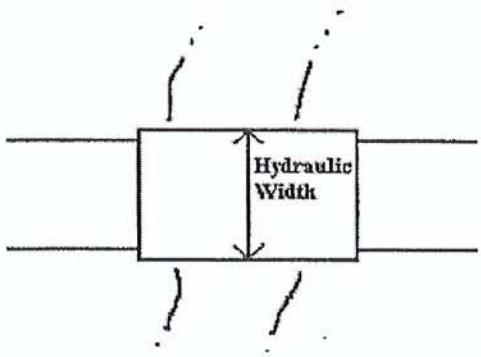
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

d/s u/s
Avocado + lemons

Land Use

grasses + shrubs - trees along bank

Vegetative Cover

gravel + cobbles

Bed Material

large, open channel

General Channel Condition

rt bank u/s of bridge severly eroded ~ 50'
erosive, sandy banks

Banks left bank d/s is grouted rock around bend along the toe.
drainage ditch on far side of road along the left overbank.

Overbanks

STRUCTURE SURVEY TEMPLATE

	Private Road	DATE	11/14/07
ROAD NAME	Hampton Canyon Ranch	COUNTY	
STREAM NAME	Todd Barranca (Wheeler Canyon	PHOTO ID #	
STRUCTURE #	TB5	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
~~road~~ Railroad Bridge		~25'x12' verify on topo		Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber & concrete Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

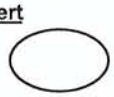
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

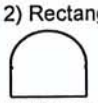
Types (Shape) of Culvert

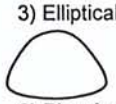

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

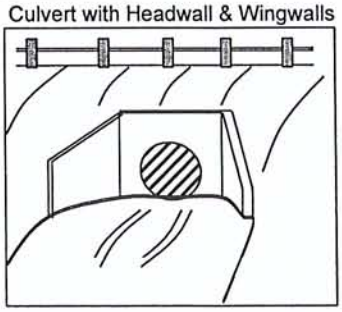

5) Elevated Arch


6) Pipe Arch

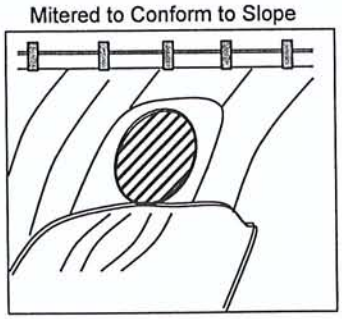
7) Other

Inlet/Outlet Type

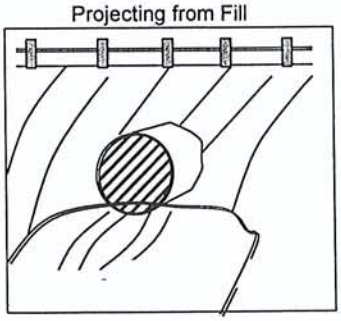
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

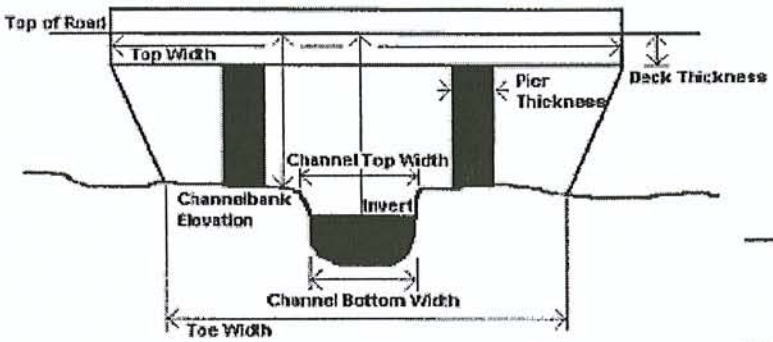


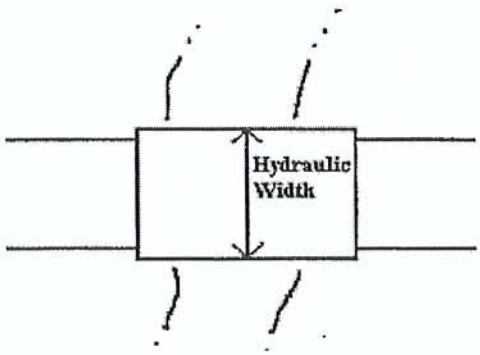
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	0	

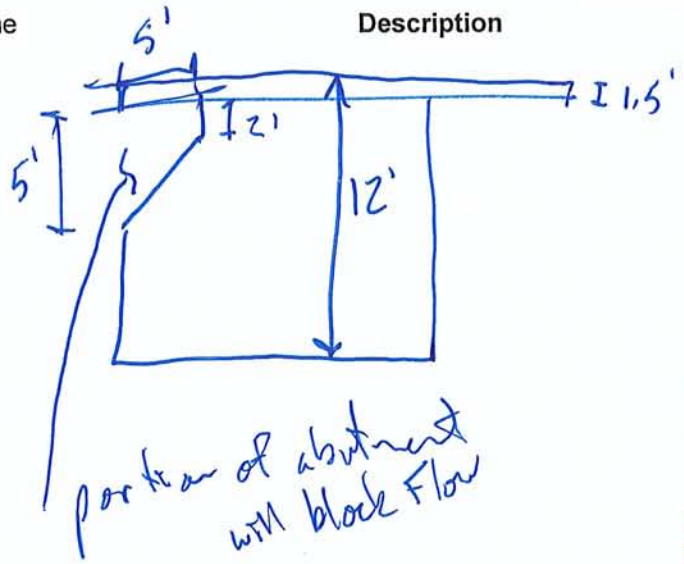


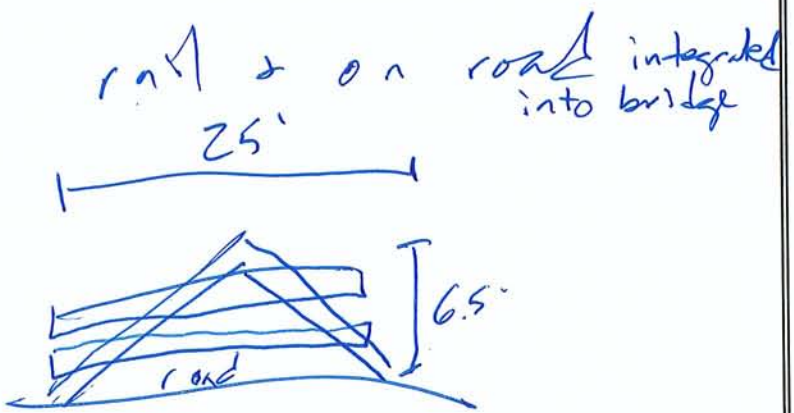


PHOTOS

Name

Description





ADDITIONAL CHANNEL INFORMATION

Land Use

open ranch land

Vegetative Cover

grasses + some trees - grazing land.

Bed Material

severly eroded banks d/s

General Channel Condition

Banks

vegetated banks u/s (dense), severly eroded banks d/s
~~right~~ banks u/s ~~is~~ have vertical gabion retaining walls

Overbanks

rock on right overbank

STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	Wheeler Canyon Rd	COUNTY	Ventura
STREAM NAME		PHOTO ID #	
STRUCTURE #	TBG	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
road Railroad Bridge		~~8'~~ x 8' 30°		Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	
HIGH WATER MARK (Description, Witness, and Date)	

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge		Number of Barrels 1	RCP (Reinforced Concrete Pipe)	Height from Top of Road to Invert	Headwall
Span Bridge			CMP (Corrugated Metal Pipe)		Wingwalls Type 0°, 45°, 90°
Pier Shape		1) Circular	Bitmus Coated		Projecting
Culvert		2) Rectangle (Span X Rise)	Steel		Flush with Slope
Dam		3) Elliptical	Timber	Top of Road EL	MES (Mitered End Section)
Spillway		4) Con/Span	Ductile		FES (Flared End Section)
Riser Barrel		5) Elevated Arch	Clay	From Topo Map (FT.NGVD) or (FT.NAVD)	
Outlet		6) Pipe Arch	Masonry Rock		
		7) Other	concrete		

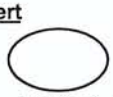
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

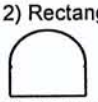
Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

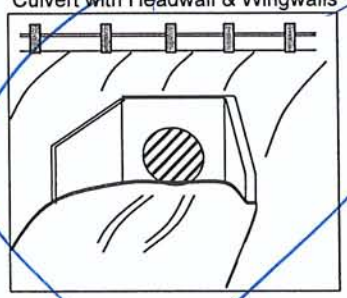

5) Elevated Arch


6) Pipe Arch

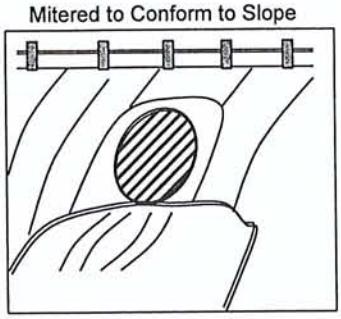
7) Other

Inlet/Outlet Type

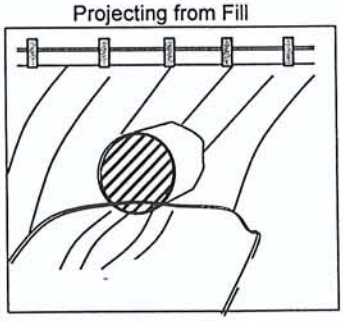
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

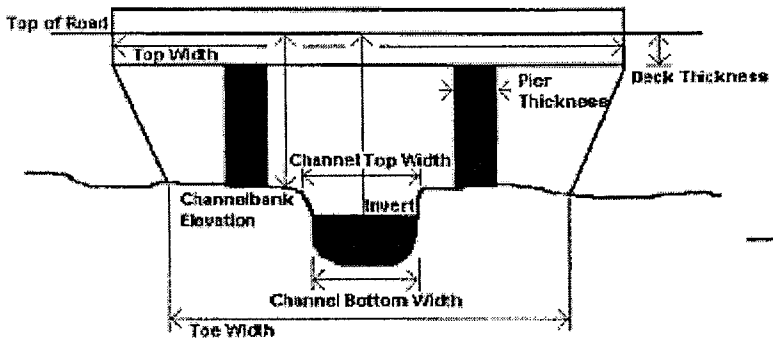


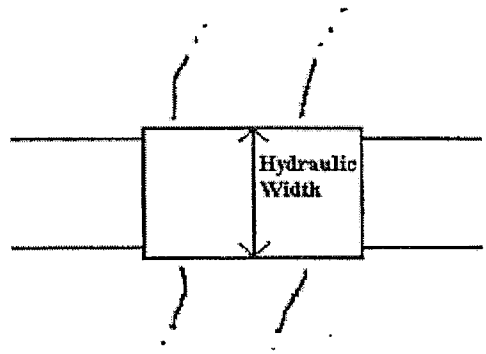
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	0	





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

ranch land

Land Use

u/s channel + banks have little vegetation
d/s bt^n TT56 + TT55, dense vegetation

Vegetative Cover oak, willow, eucalyptus, tree tobacco.

sandy gravel material

Bed Material

General Channel Condition

u/s wide, relatively flat banks
d/s right bank very high + nearly vertical

Banks sandy, erosive soil

Overbanks

STRUCTURE SURVEY TEMPLATE

		DATE	11/14
ROAD NAME	Wheeler Canyon Rd → Private Rd	COUNTY	Ventura
STREAM NAME		PHOTO ID #	
STRUCTURE #	TB7	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		35'		Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	several eroded banks u/s
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock *Concrete	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

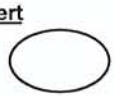
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

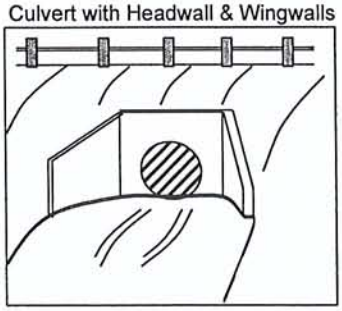

5) Elevated Arch


6) Pipe Arch

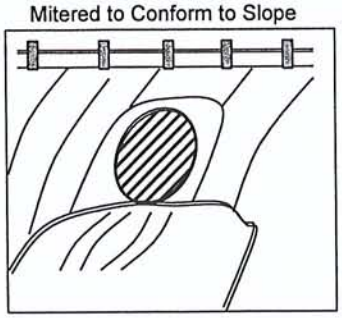
7) Other

Inlet/Outlet Type

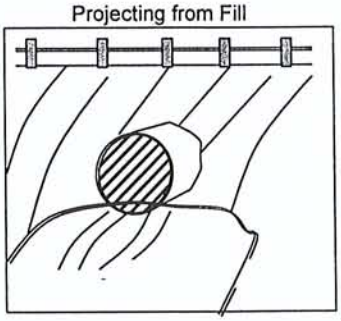
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

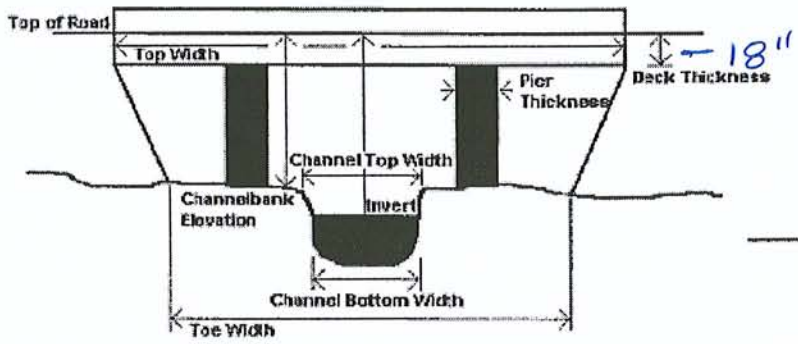


CHANNEL INFORMATION

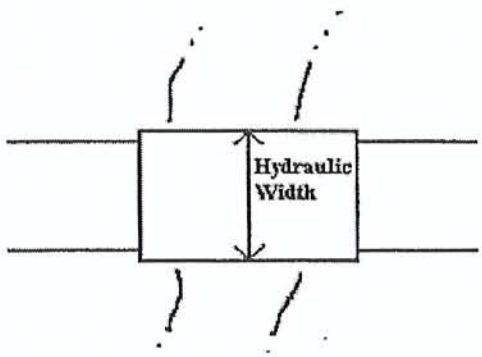
ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**



~18"



PHOTOS

Name	Description
	nearly vertical ~~from~~ embankments

ADDITIONAL CHANNEL INFORMATION

ranch

Land Use

thick vegetation d/s

Vegetative Cover

sand + gravel bottom

Bed Material

General Channel Condition

u/s banks severely eroded

Banks

Overbanks

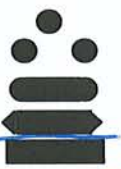
STRUCTURE SURVEY TEMPLATE

				DATE	11/14/07
ROAD NAME	Wheeler Canyon			COUNTY	Ventura
STREAM NAME				PHOTO ID #	
STRUCTURE #	TT39 / BR108 painted on rail		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		2 - 10'x13'	Concrete	Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)					
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0^0, 45^0, 90^0 Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

Pier Shape

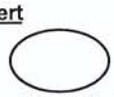
1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose



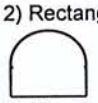
Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

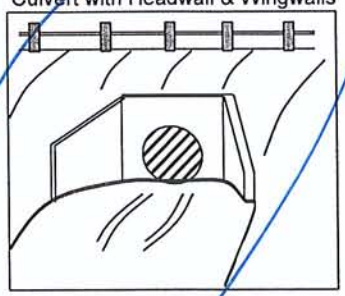

5) Elevated Arch


6) Pipe Arch

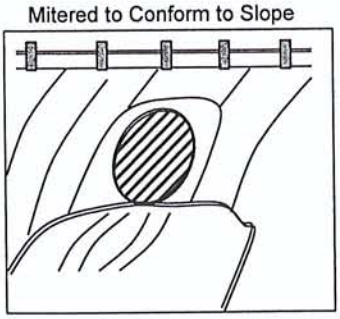
7) Other

Inlet/Outlet Type

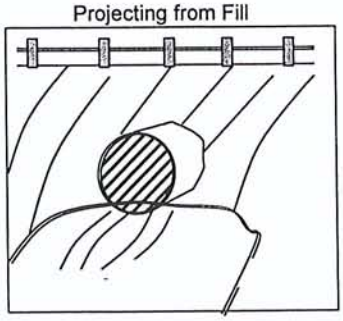
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

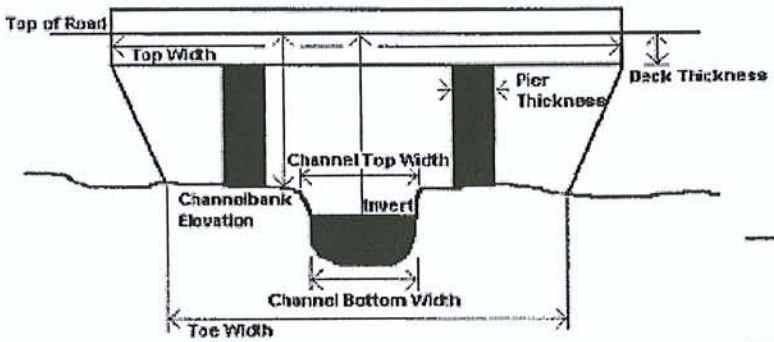


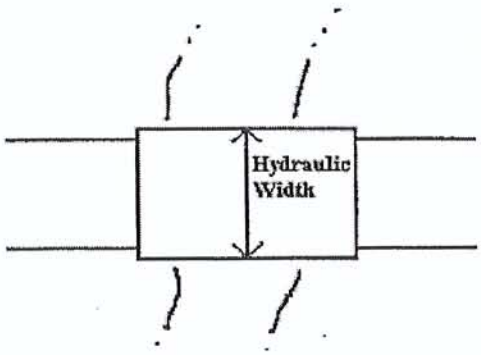
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

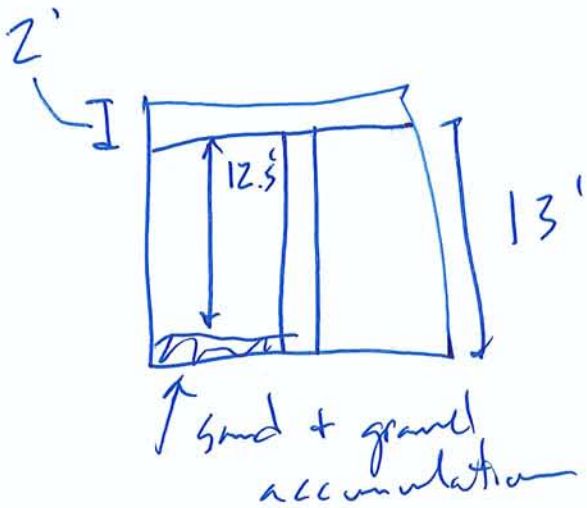
DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	1	12"





PHOTOS

Name	Description



ADDITIONAL CHANNEL INFORMATION

open ranch land.

Land Use

Vegetative Cover

sandy gravel

Bed Material

large grantels & rock drop structure d/s of bridge. 4

General Channel Condition

left bank d/s of drop structure is grouted, and the grout is being undercut.

Banks u/s pole + wire on right bank

Overbanks

B.M., Ventura County Surveyor
89-11 Bench Mark

debris accumulation on u/s end in pier.

STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	Wheeler Canyon	COUNTY	Ventura
STREAM NAME		PHOTO ID #	
STRUCTURE #	TB10	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		25' x ?		Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	drop structure d/s
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0^0, 45^0, 90^0 Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

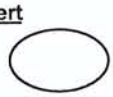
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

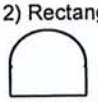
Types (Shape) of Culvert

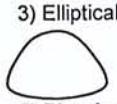

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

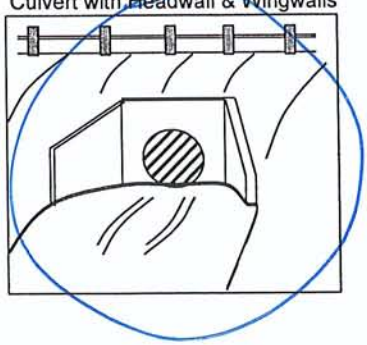

5) Elevated Arch


6) Pipe Arch

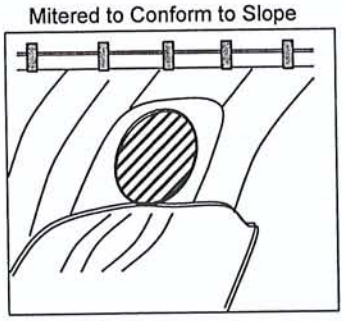
7) Other

Inlet/Outlet Type

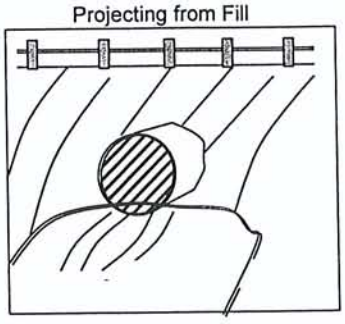
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

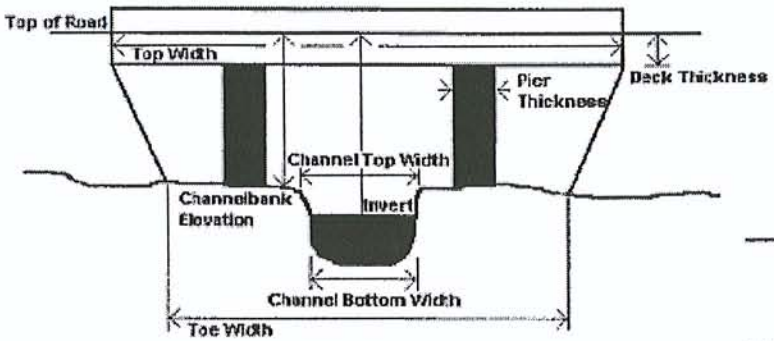


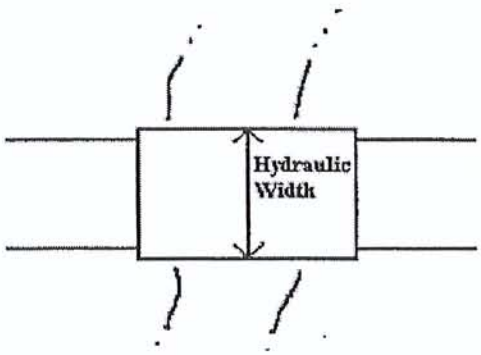
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**

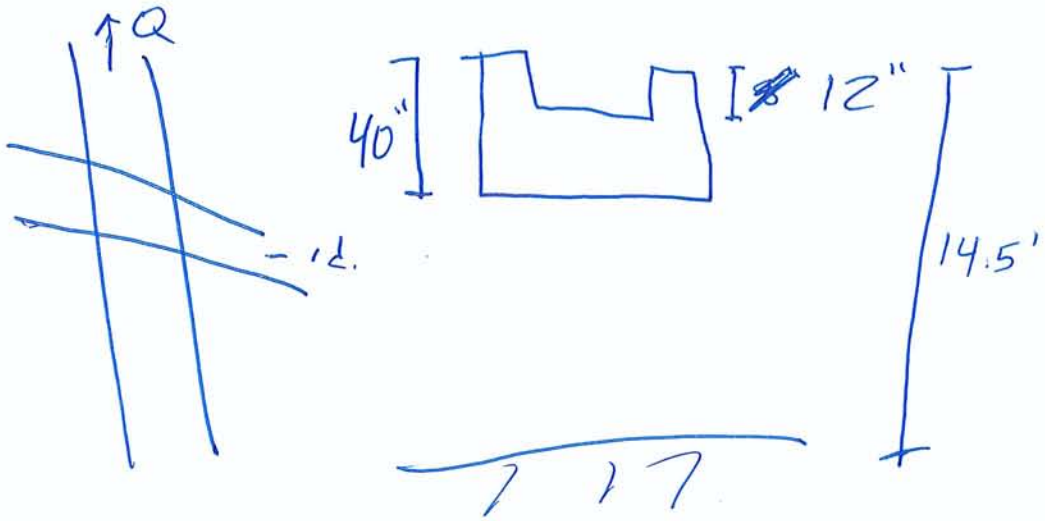




PHOTOS

Name

Description



ADDITIONAL CHANNEL INFORMATION

ranch open

Land Use

Vegetative Cover

sand + gravel

Bed Material

General Channel Condition

vegetated banks, .

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

		DATE	
ROAD NAME	Wheeler Canyon	COUNTY	
STREAM NAME		PHOTO ID #	
STRUCTURE #	TB11	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		30' X	Concrete	Top of Road EL	

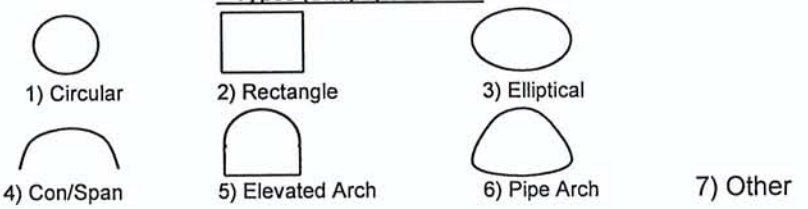
SPECIAL NOTE (Conditions, Blockage, etc)	
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0^0, 45^0, 90^0 Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

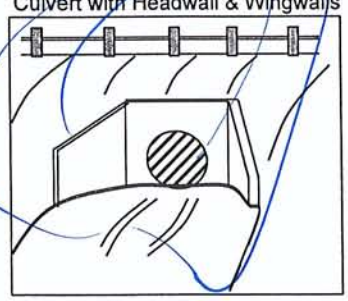
Types (Shape) of Culvert



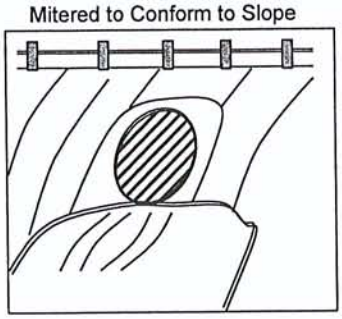
7) Other

Inlet/Outlet Type

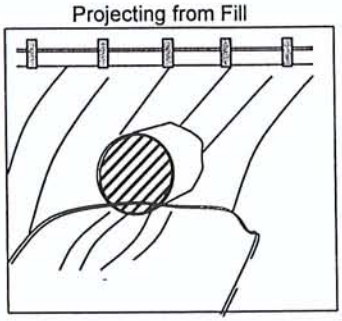
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

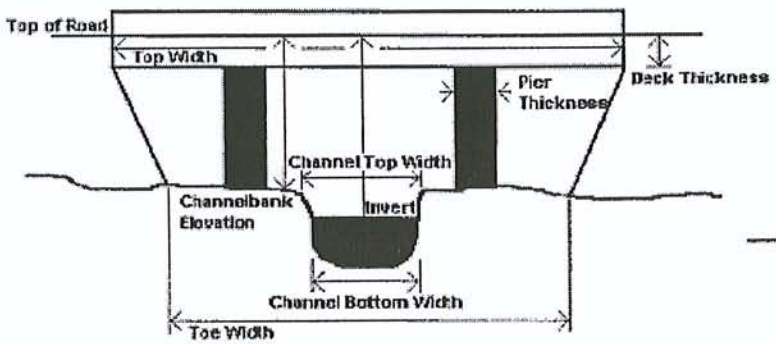


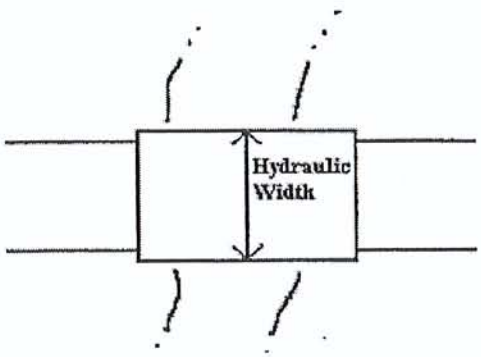
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

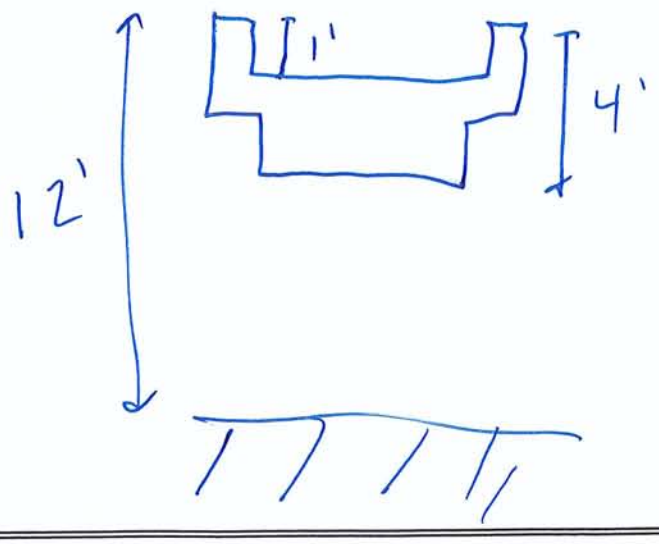
DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	0	





PHOTOS

Name	Description
	vertical abutments



ADDITIONAL CHANNEL INFORMATION

ranch / open.

Land Use

willows & cattails

Vegetative Cover

cobble bottom material

Bed Material

drop structure @ d/s end.

General Channel Condition

rt u/s bank has pole + cable retaining mat
rt d/s bank has granted riprap revetment through bend. left d/s bank soil, sandy erosion

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	Wheeler Canyon → Private Rd	COUNTY	Ventura
STREAM NAME		PHOTO ID #	
STRUCTURE #	TB 12 (2 bridges)	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	

SPECIAL NOTE (Conditions, Blockage, etc)	small pedestrian bridge immediately u/s of this bridge
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0^0, 45^0, 90^0 Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

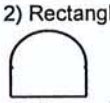
Types (Shape) of Culvert

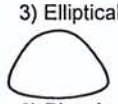

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

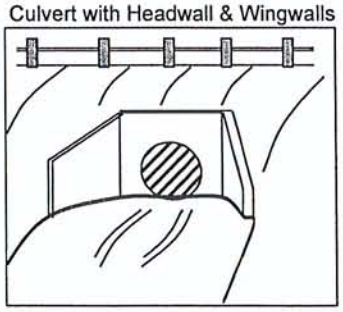

5) Elevated Arch


6) Pipe Arch

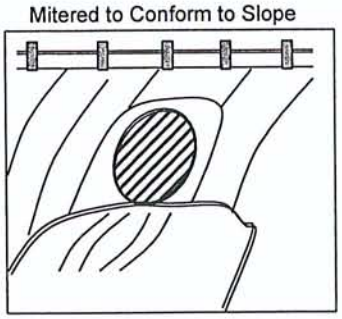
7) Other

Inlet/Outlet Type

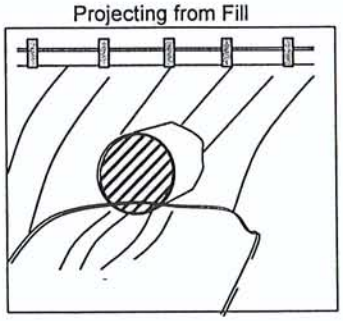
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

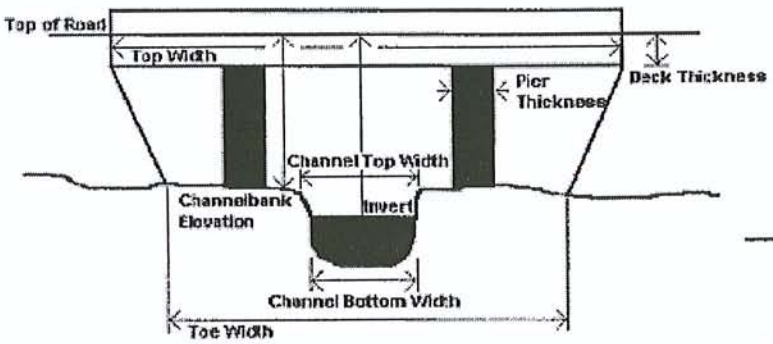


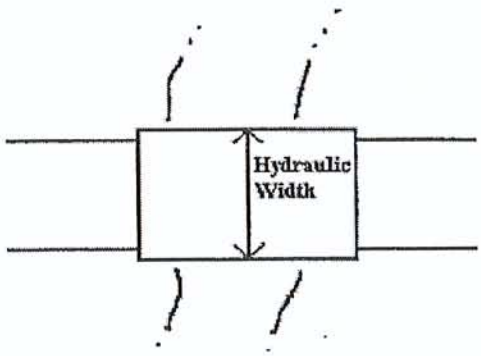
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
2'		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





PHOTOS

Name	Description
	vertical abutment walls ~10 Ft shelf ↕ 2 Ft

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	11/14
ROAD NAME	Live Oak Rd			COUNTY	
STREAM NAME				PHOTO ID #	
STRUCTURE #	TB20		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		7'W x 4'8" @ peak		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	large scour hole @ downstream end.				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

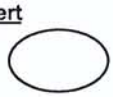
Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

Types (Shape) of Culvert

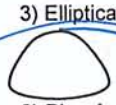

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

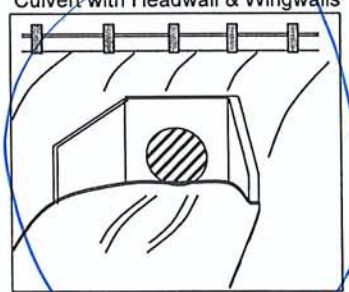

5) Elevated Arch


6) Pipe Arch

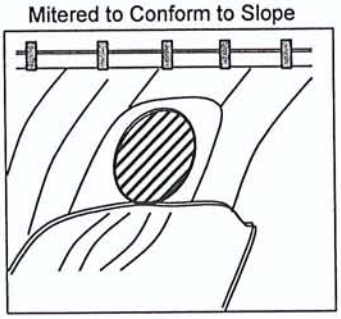
7) Other

Inlet/Outlet Type

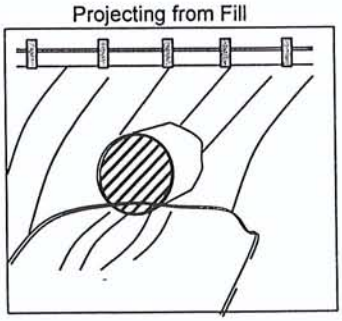
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

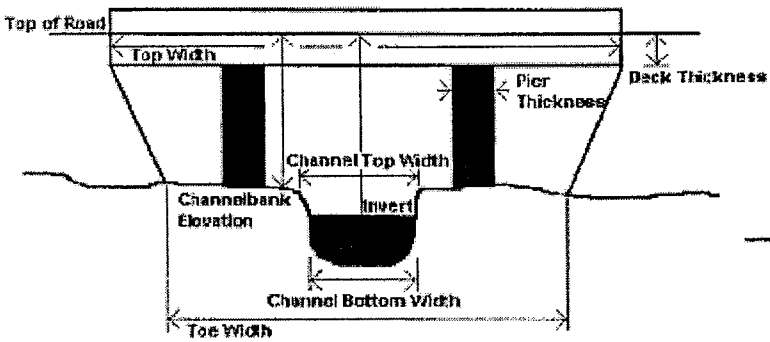


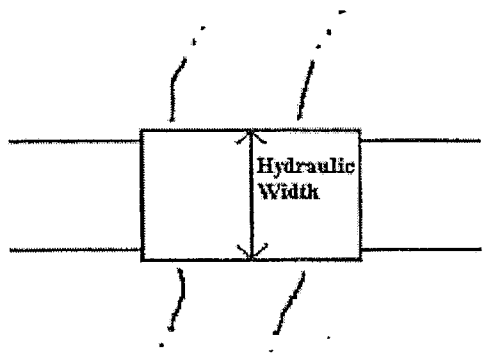
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

cobble + boulders.

Bed Material

General Channel Condition

left ~~bank~~ bank u/s has pole + cable ~~ret~~ retaining wall

Banks

Overbanks

1399 live oak Ave (crossing ~~wheeler~~ wheeler Canyon rd.

STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	6645 Willow ~~Creek~~ Canyon Willow Creek	COUNTY	
STREAM NAME	Todd Barranca 405-525-4455	PHOTO ID #	
STRUCTURE #	TB 14	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	

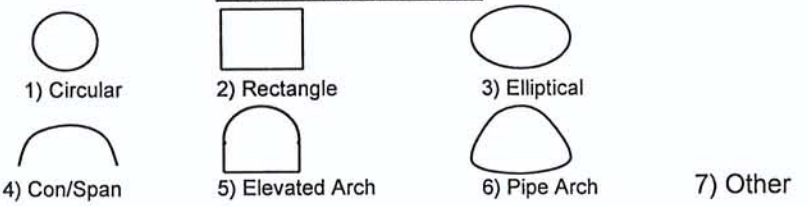
SPECIAL NOTE (Conditions, Blockage, etc)	Flow constricted to 20' wide below the bridge. Large drop structure @ d/s side
HIGH WATER MARK (Description, Witness, and Date)	

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge ~~Span Bridge~~ Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitmus Coated Steel Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert Top of Road EL From Topo Map (FT.NGVD) or (FT.NAVD)	Headwall Wingwalls Type 0^0, 45^0, 90^0 Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

Pier Shape

1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

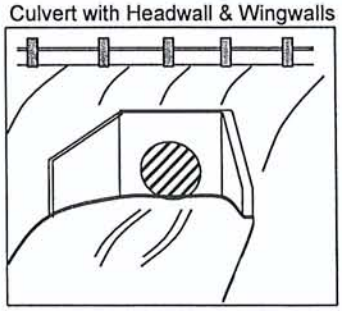
Types (Shape) of Culvert



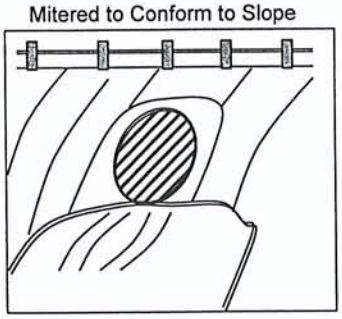
7) Other

Inlet/Outlet Type

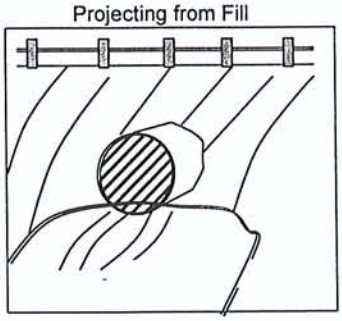
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

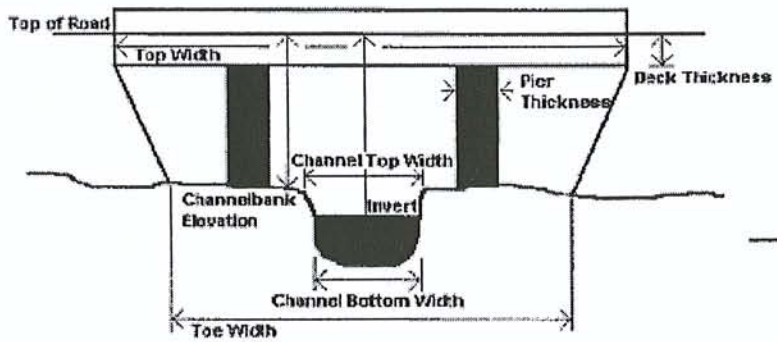


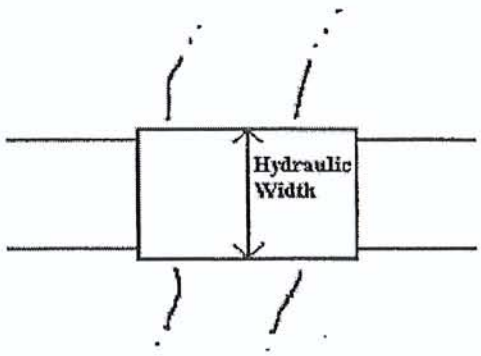
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
20'		





PHOTOS

Name	Description
	Vertical abutments
	3'

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

cobble

Bed Material

severe channel erosion u/s + d/s of bridge

General Channel Condition

Banks

Overbanks