

STRUCTURE SURVEY TEMPLATE

				DATE	3/4/08
ROAD NAME		North Bank Dr		COUNTY	Ventura
STREAM NAME		Clark Barranca		PHOTO ID #	
STRUCTURE #		LBI		X,Y COORDINATE	
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge			Concrete	Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)			Outlet to SCR - Grabe Control structure		
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

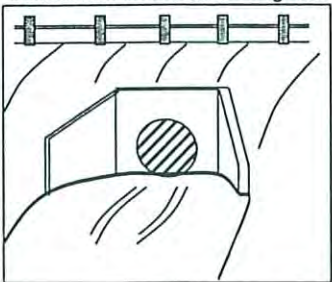


Types (Shape) of Culvert

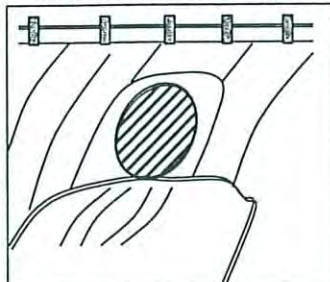
- | | | |
|-------------|------------------|---------------|
| | | |
| 1) Circular | 2) Rectangle | 3) Elliptical |
| | | |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

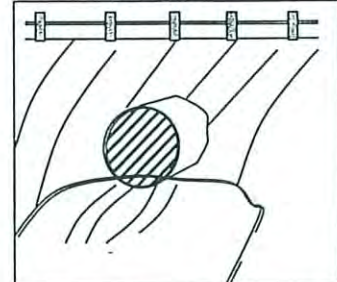
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

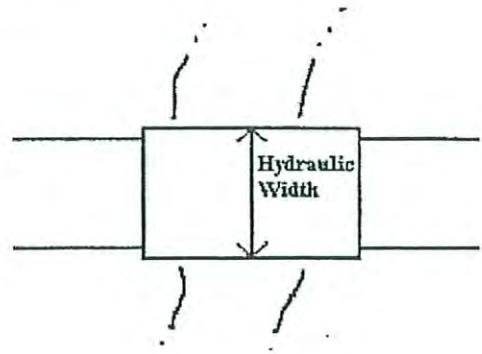
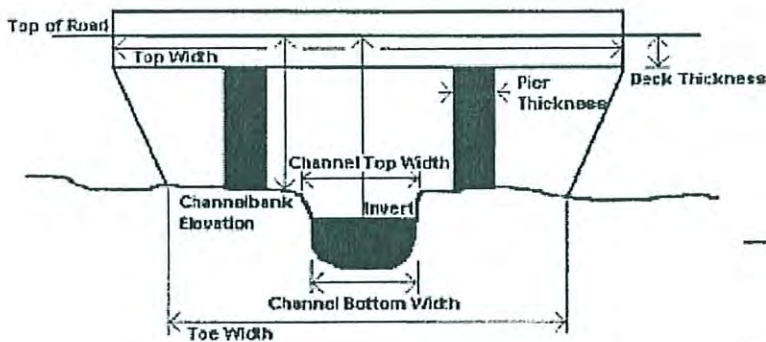


CHANNEL INFORMATION

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
36.	looking @ baffle structure @ d/s outlet
37.	looking @ SCR from CTS channel outlet
38.	looking u/s from baffle structure

ADDITIONAL CHANNEL INFORMATION

residential

Land Use

dense brush + shrubs d/s

Vegetative Cover

silty sand w/s w/ some rocks

Bed Material

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE







				DATE	3/4/08
ROAD NAME				COUNTY	
STREAM NAME				PHOTO ID #	
STRUCTURE #		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)		Steel pedestrian bridge between North view A + the CB outlet			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		GULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge <u>Span Bridge</u> 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 <u>Steel</u> Timber Ductile Clay Masonry Rock	Height from Top of Road to Invert <u>Top of Road EL</u> 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

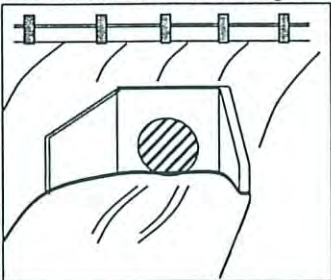


Types (Shape) of Culvert

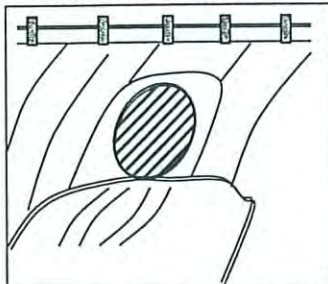
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

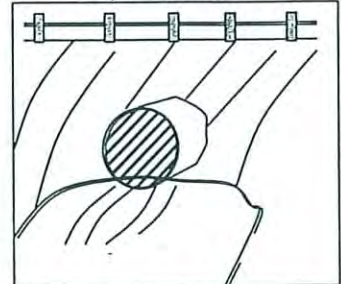
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

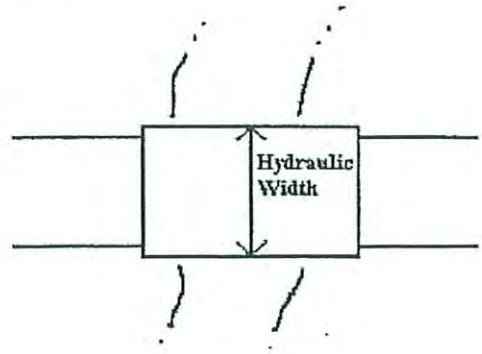
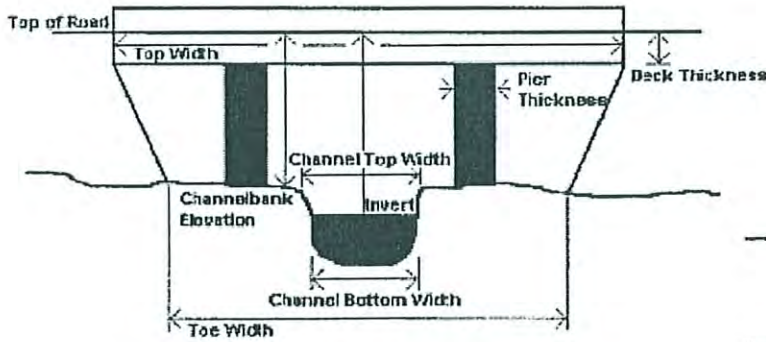


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
~ 2'	12' ~	
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name

Description

39

d/s side of ped bridge looking
u/s

40

u/s side of bridge looking d/s

ADDITIONAL CHANNEL INFORMATION

Land Use

dense vegetation, small trees + shrubs

Vegetative Cover

clay + sand soil, small cobbles

Bed Material

overflow channel, eroded banks.

General Channel Condition

Banks


Overbanks

STRUCTURE SURVEY TEMPLATE


				DATE	3/4/08
ROAD NAME		North View Dr.		COUNTY	
STREAM NAME		Clark Barranca		PHOTO ID #	
STRUCTURE #		CB3		X,Y COORDINATE	
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		7'x7'	concrete	Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		sand + silt batter, evidence of low velocity.			
HIGH WATER MARK (Description, Witness, and Date)		CB appears to be buried culvert from this outfall			
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) Bitum 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

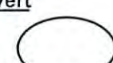
- 1) Circular pier
- 2) Twin-Cylinder piers
- 3) Elongated pier
- 4) Triangular nose
- 5) Square nose

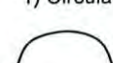



Types (Shape) of Culvert



1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

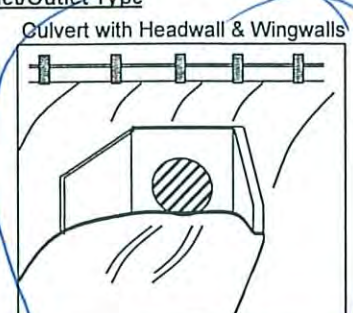

5) Elevated Arch


6) Pipe Arch

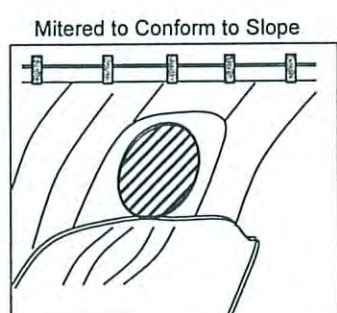
7) Other

Inlet/Outlet Type

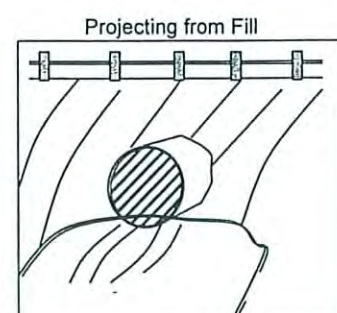
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill



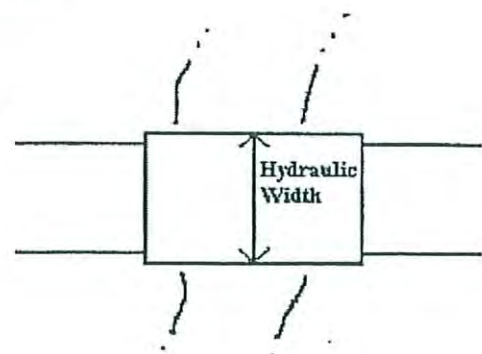
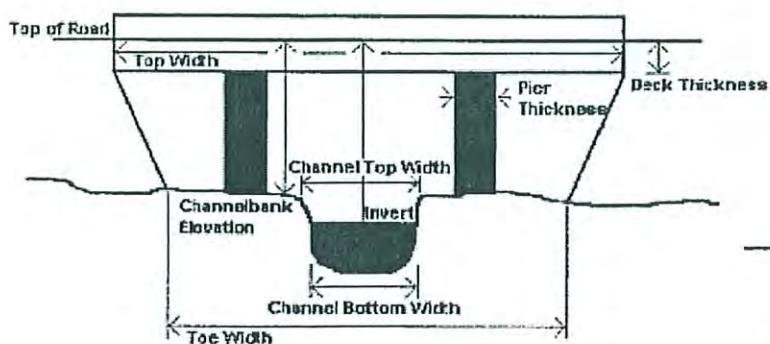
Wingwalls are parallel to culverts

CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
1.5'		
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name	Description	PHOTOS
41	d/s side of culvert looking up/s	

ADDITIONAL CHANNEL INFORMATION

Land Use

dense brush & small trees

Vegetative Cover

gandy, silt

Bed Material

d/s side of culvert is grouted riprap
overgrown channel, dense vegetation, eroded banks.

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE


downstream of

ROAD NAME	<i>Lakewood + Blackburn</i>	DATE	<i>3/4/08</i>
STREAM NAME	<i>Clark Barranca.</i>	COUNTY	
STRUCTURE #	<i>CB 4</i>	PHOTO ID #	
TYPE	LENGTH	SIZE (W X H) & SHAPE	XY COORDINATE
Railroad Bridge		<i>10' x 4'</i>	
SPECIAL NOTE (Conditions, Blockage, etc)		<i>Culvert is buried from Lakewood + Blackburn downstream to CB 3 @ Northview Drive</i>	

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

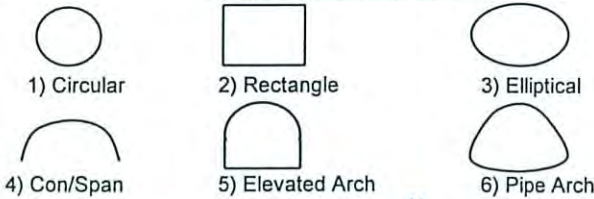
Pier Shape

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



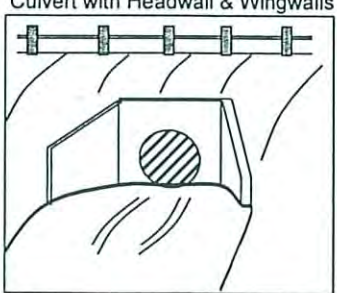
Types (Shape) of Culvert

- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

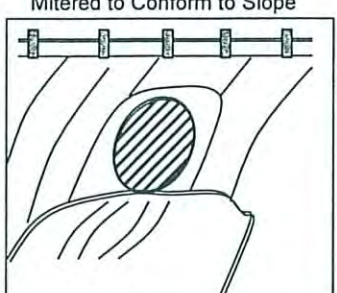


Inlet/Outlet Type

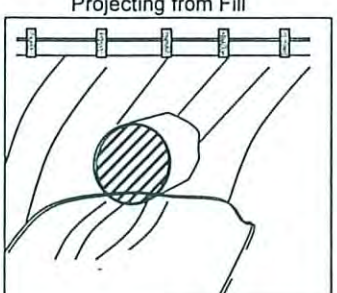
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill



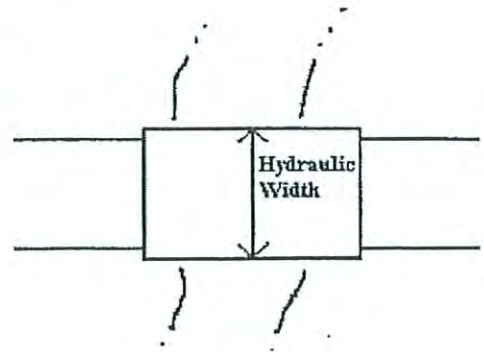
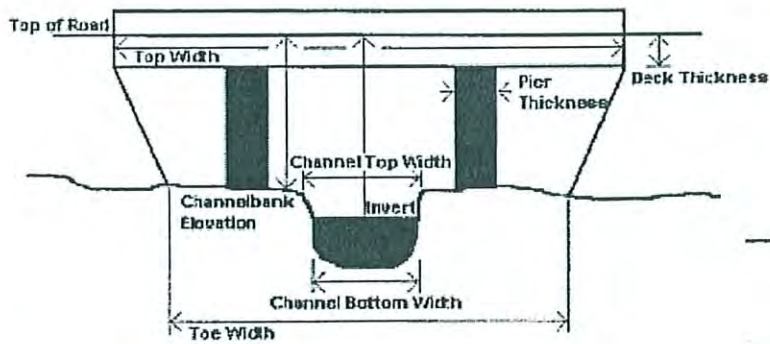
no headwall or wingwalls

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
42	u/s entrance to culvert @ Hwy 126 looking d/s.

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

Concrete trapezoidal channel.

General Channel Condition

Banks


Overbanks

STRUCTURE SURVEY TEMPLATE

ROAD NAME				DATE	
Lakewood + blackburn				3/4/08	
STREAM NAME				COUNTY	
STRUCTURE #		XY COORDINATE		PHOTO ID #	
CB5					
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		10' x 4' d/s			
				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)				this is the lakewood crossing w/3 of the culvert inlet CB4.	
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°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

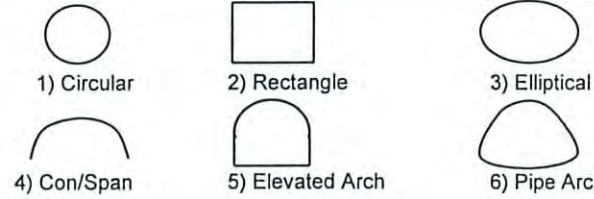
Pier Shape

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



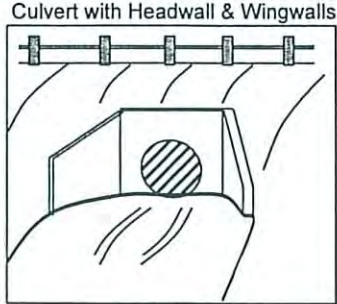
Types (Shape) of Culvert

- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other




Inlet/Outlet Type

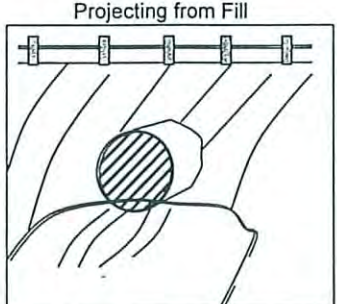
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

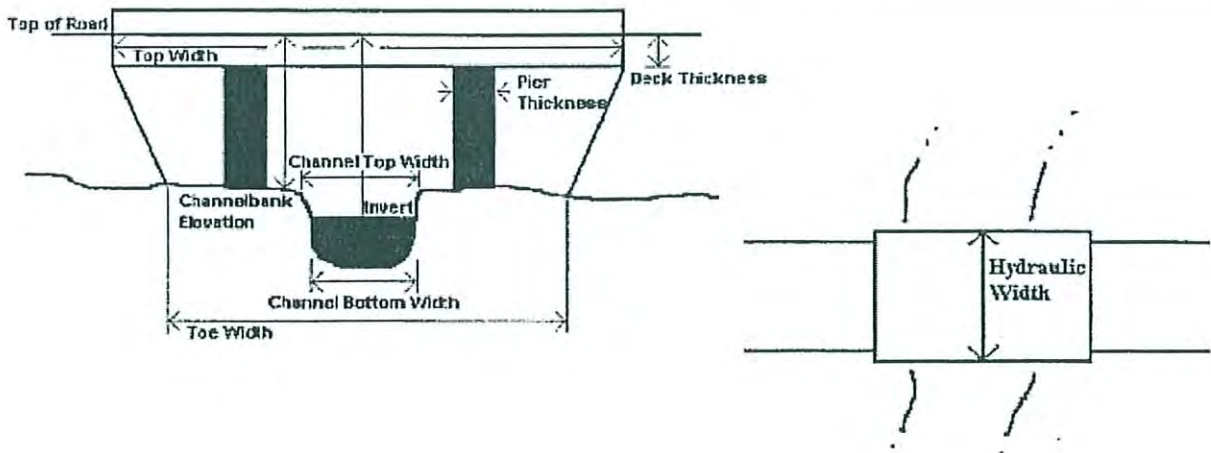


CHANNEL INFORMATION

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
43	lakewood + blackburn of culvert looking ups. of lakewood street culvert. d/s side
44	v/s side of culvert looking d/s.

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

concrete + riprap

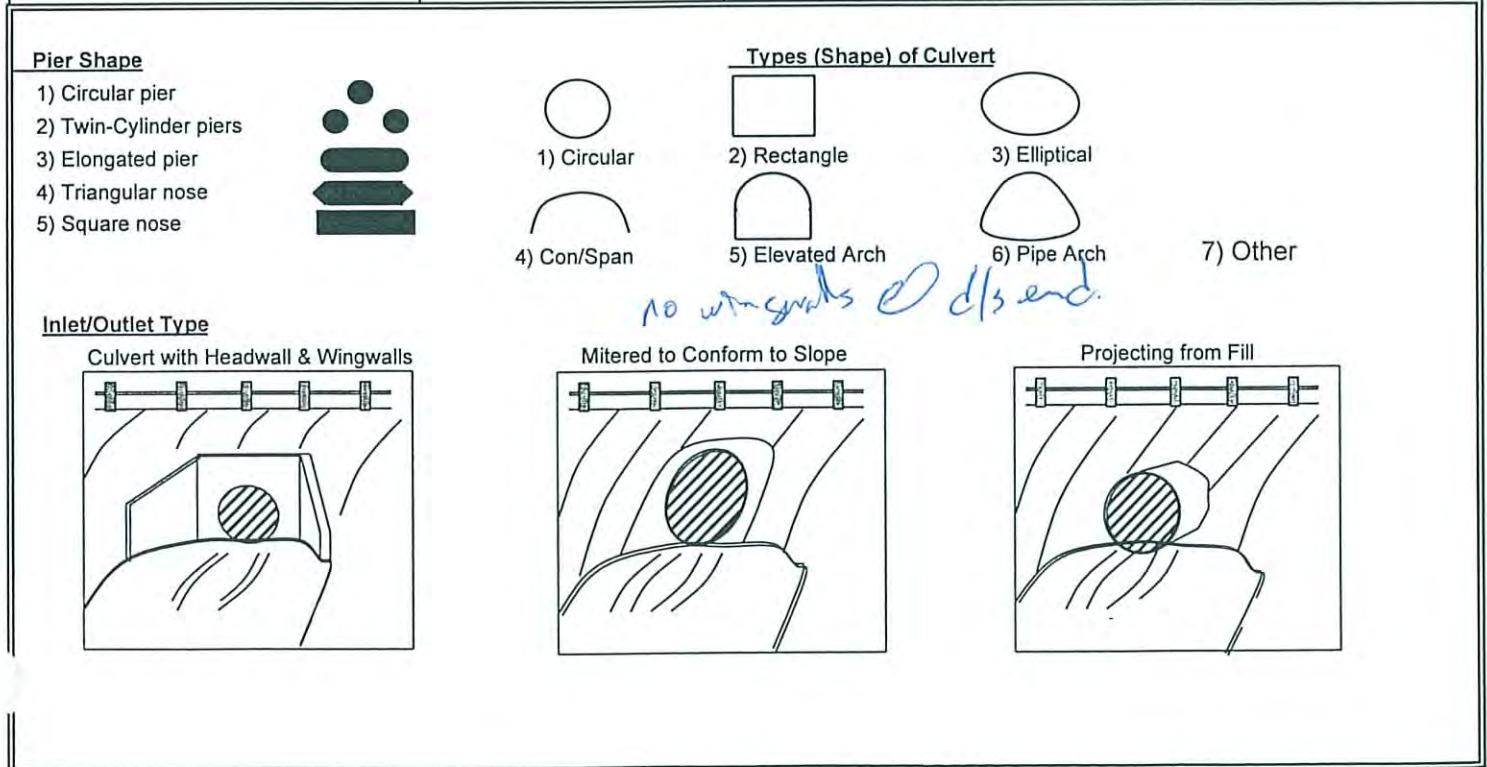
General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/4/08
ROAD NAME		Blackburn + banner		COUNTY	
STREAM NAME		Clark Barranca		PHOTO ID #	
STRUCTURE #		C36		X,Y COORDINATE	
TYPE		LENGTH		SIZE (W X H) & SHAPE	
Railroad Bridge				d/s 8' x 3.5'	
				u/s 8' x 3'	
				MATERIAL	
				concrete	
				Road to Bed	
				INLET/OUTLET TYPE	
				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		2' from ground to low chord @ u/s			
HIGH WATER MARK (Description, Witness, and Date)		Buried Culvert takes a 90° bend between u/s and d/s ends			
TYPE		GULVERT TYPE		MATERIAL	
Bridge		Number of Barrels		RCP (Reinforced Concrete Pipe)	
Span Bridge				CMP (Corrugated Metal Pipe)	
Pier Shape				Bitum Coated	
Culvert		1) Circular		Steel	
Dam		2) Rectangle (Span X Rise)		Timber	
Spillway		3) Elliptical		Ductile	
Riser Barrel		4) Con/Span		Clay	
Outlet		5) Elevated Arch		Masonry Rock	
		6) Pipe Arch			
		7) Other			
				Road to Bed	
				INLET/OUTLET TYPE	
				Headwall	
				Wingwalls Type 0°, 45°, 90°	
				Projecting	
				Flush with Slope	
				MES (Mitered End Section)	
				FES (Flared End Section)	
				Top of Road EL	
				From Topo Map (FT.NGVD) or (FT.NAVD)	

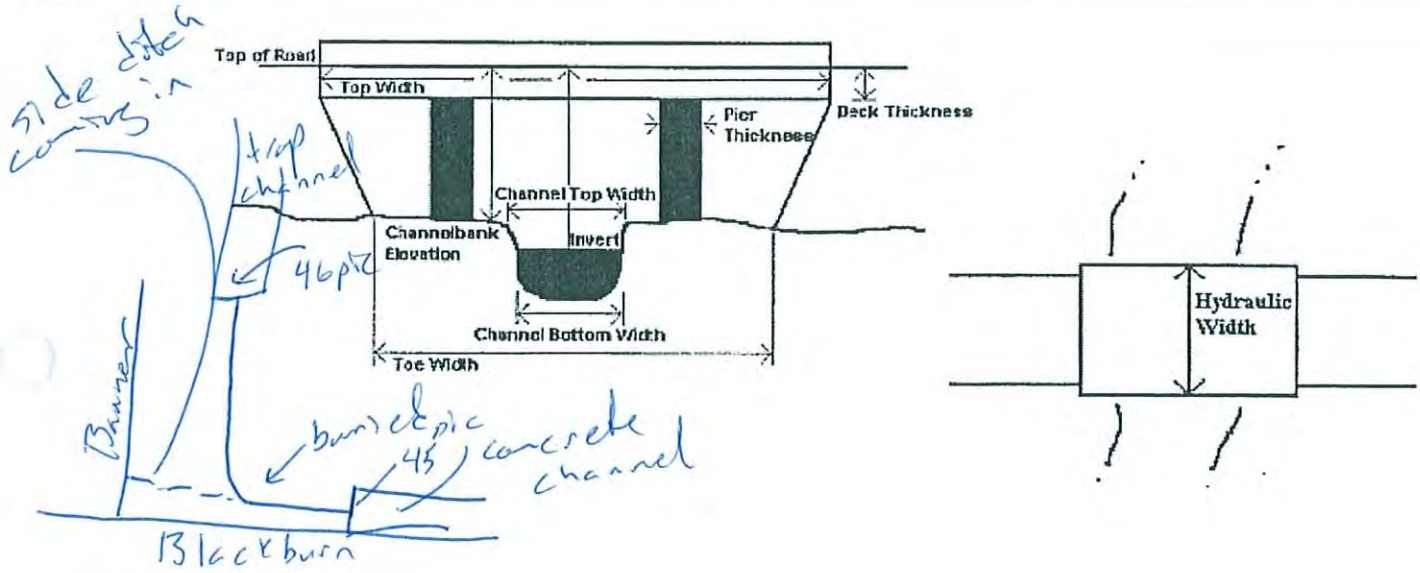


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
1/2' @ d/s end 2' @ v/s end		
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name	Description
45	d/s side of culvert d/s of banner st.
46	v/s side of culvert looking d/s

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

concrete trough

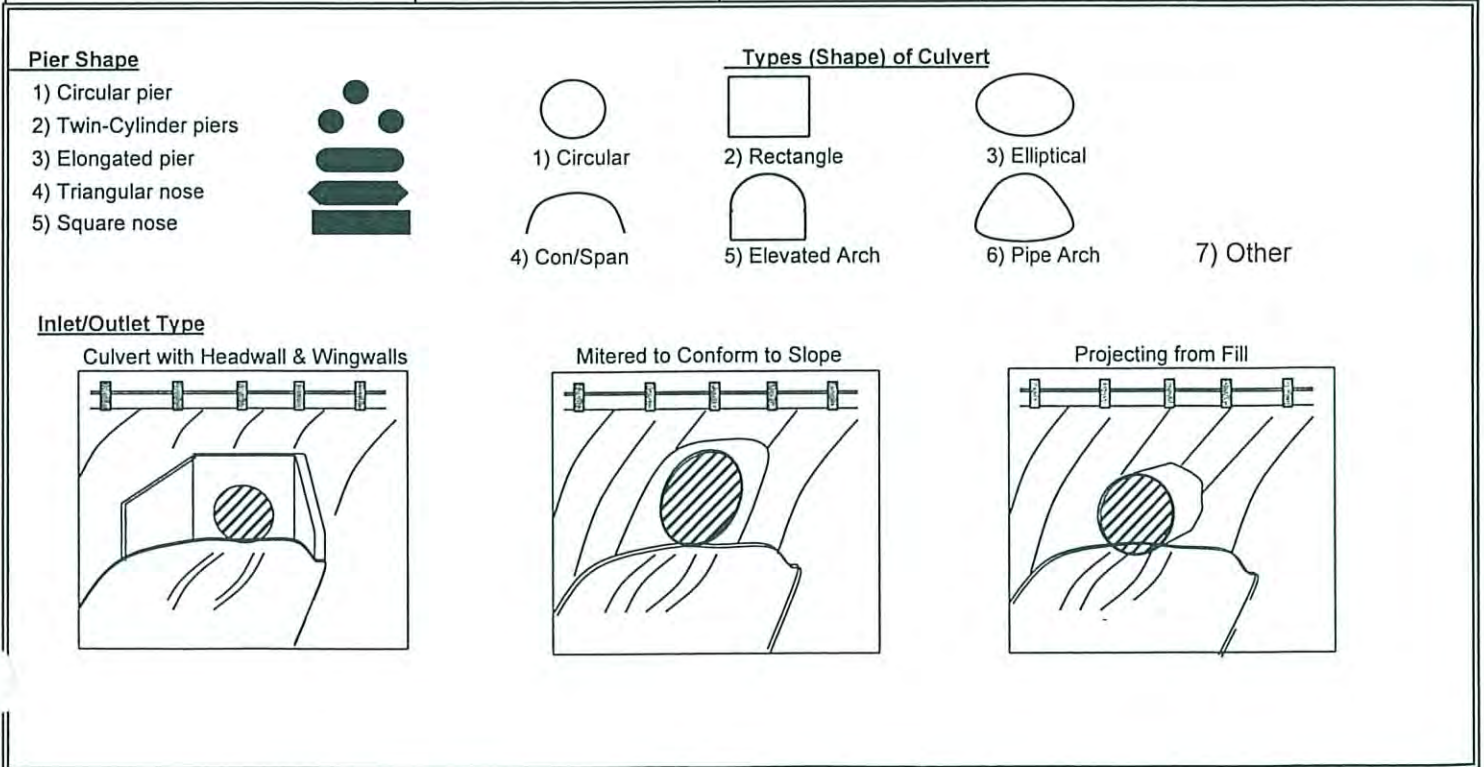
General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/4/08
ROAD NAME				COUNTY	
STREAM NAME				PHOTO ID #	
STRUCTURE #		X,Y COORDINATE			
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		8' x 3.5'		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°, 45°, 90° Projecting Flush with Slope MES (Mitered End Section) FES (Flared End Section)

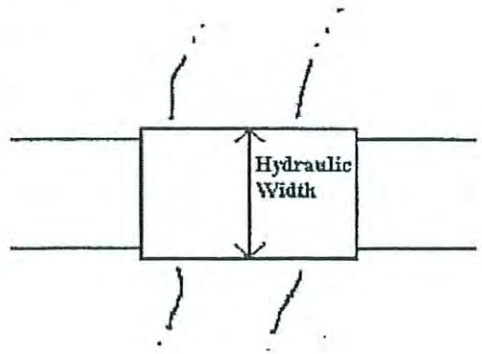
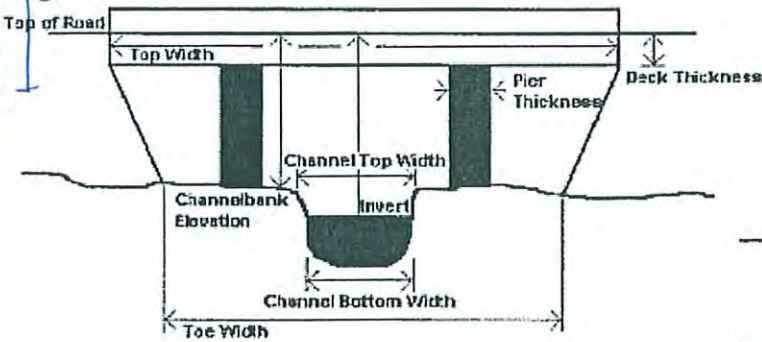
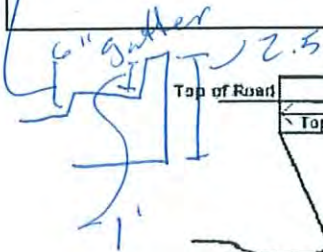


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
<i>d/s end & v/s.</i>		
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name	Description
47	<i>d/s side of culvert looking v/s.</i>
48	<i>v/s side of culvert looking d/s</i>

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

concrete channel

General Channel Condition

Banks

left overbank has wood fence ups and d/s; this fence probably does not help for flood control.


Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/4/08
ROAD NAME			Telegraph Rd		
STREAM NAME					
STRUCTURE #			CTB8		
TYPE			X,Y COORDINATE		
LENGTH		SIZE (W X H) & SHAPE		MATERIAL	
		13' x 4.5'			
Railroad Bridge		Culvert		Road to Bed	
				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)			appears to change direction under Telegraph Rd.		
HIGH WATER MARK (Description, Witness, and Date)			Culvert appears to be underground from Telegraph Rd upstream to El Dorado channel is trapezoidal graded approx from		
TYPE		CULVERT TYPE		MATERIAL	
Bridge		Number of Barrels		RCP (Reinforced Concrete Pipe)	
Span Bridge				CMP (Corrugated Metal Pipe)	
Pier Shape		1) Circular		Bitmus Coated	
Culvert		2) Rectangle (Span X Rise)		Steel	
Dam		3) Elliptical		Timber	
Spillway		4) Con/Span		Ductile	
Riser Barrel		5) Elevated Arch		Clay	
Outlet		6) Pipe Arch		Masonry Rock	
		7) Other			
				Road to Bed	
				Height from Top of Road to Invert	
				Top of Road EL	
				From Topo Map (FT.NGVD) or (FT.NAVD)	
				INLET/OUTLET TYPE	
				Headwall	
				Wingwalls Type 0°, 45°, 90°	
				Projecting	
				Flush with Slope	
				MES (Mitered End Section)	
				FES (Flared End Section)	

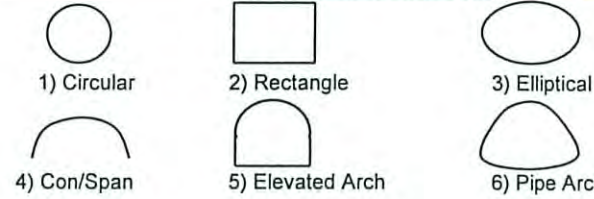
Pier Shape

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



Types (Shape) of Culvert

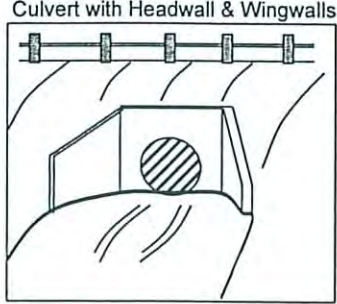
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other



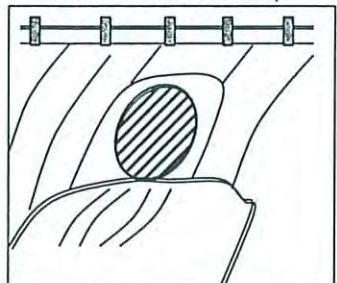
north side of El Dorado upstream

Inlet/Outlet Type

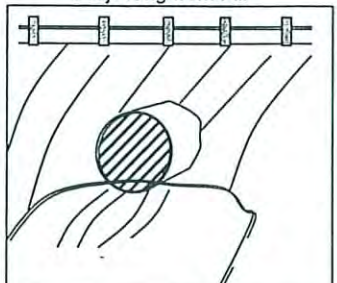
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

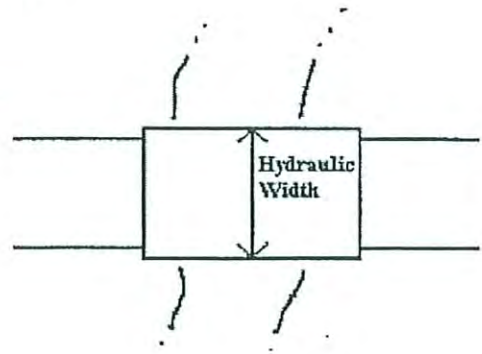
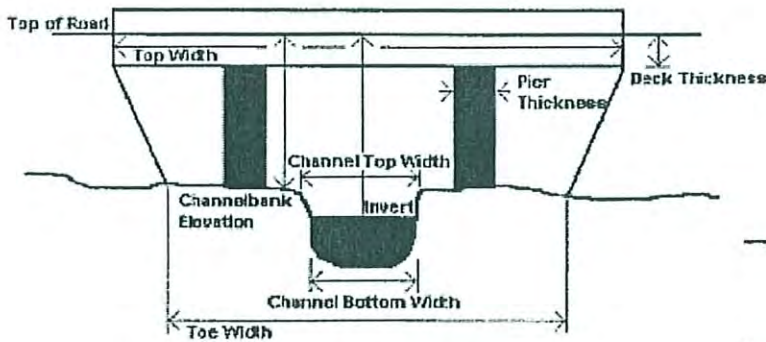


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
20"		
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name

Description

49

d/s side of culvert looking u/s.

50

d/s side of culvert looking d/s.

51

u/s side of culvert entrance @ El Dorado looking u/s.

52

u/s side of culvert looking @ tributary culvert u/s.

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Bank Floodwall on left bank extending ~ 75' d/s
of culvert x
150' d/s of culvert on R+ bank


Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/4/08
ROAD NAME				Calaveras and Footwall Rd <i>Culverts appear to be same size</i>	
STREAM NAME				COUNTY	
STRUCTURE #				CB9 + CB10	
TYPE				X,Y COORDINATE	
LENGTH		SIZE (W X H) & SHAPE		MATERIAL	
Railroad Bridge		4'x4' - For all culverts		Road to Bed	
				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)				Can't get into the gully to measure culvert.	
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE		MATERIAL	
Bridge		Number of Barrels		RCP (Reinforced Concrete Pipe)	
Span Bridge		1) Circular		CMP (Corrugated Metal Pipe)	
Pier Shape		2) Rectangle (Span X Rise)		Bitumous Coated	
Culvert		3) Elliptical		Steel	
Dam		4) Con/Span		Timber	
Spillway		5) Elevated Arch		Ductile	
Riser Barrel		6) Pipe Arch		Clay	
Outlet		7) Other		Masonry Rock	
				Road to Bed	
				Top of Road EL	
				Height from Top of Road to Invert	
				From Topo Map (FT.NGVD) or (FT.NAVD)	
				INLET/OUTLET TYPE	
				Headwall	
				Wingwalls Type 0°, 45°, 90°	
				Projecting	
				Flush with Slope	
				MES (Mitered End Section)	
				FES (Flared End Section)	

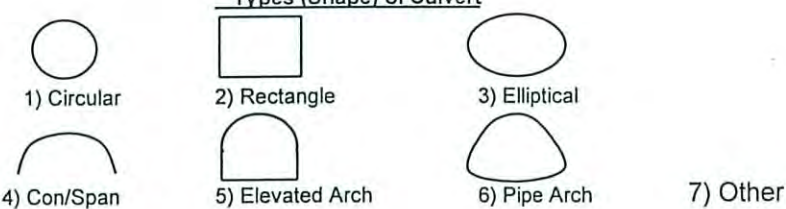
Pier Shape

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



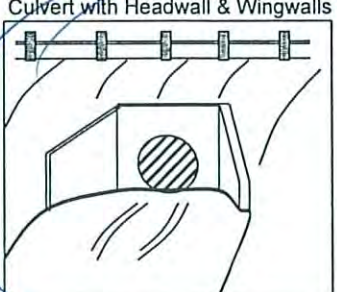
Types (Shape) of Culvert

- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

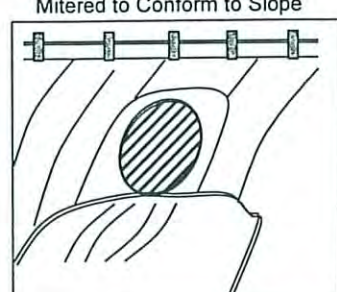


Inlet/Outlet Type

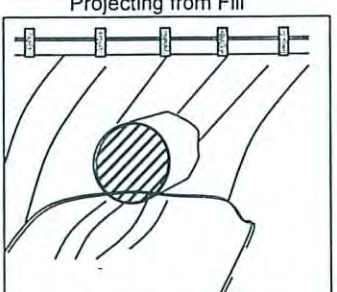
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

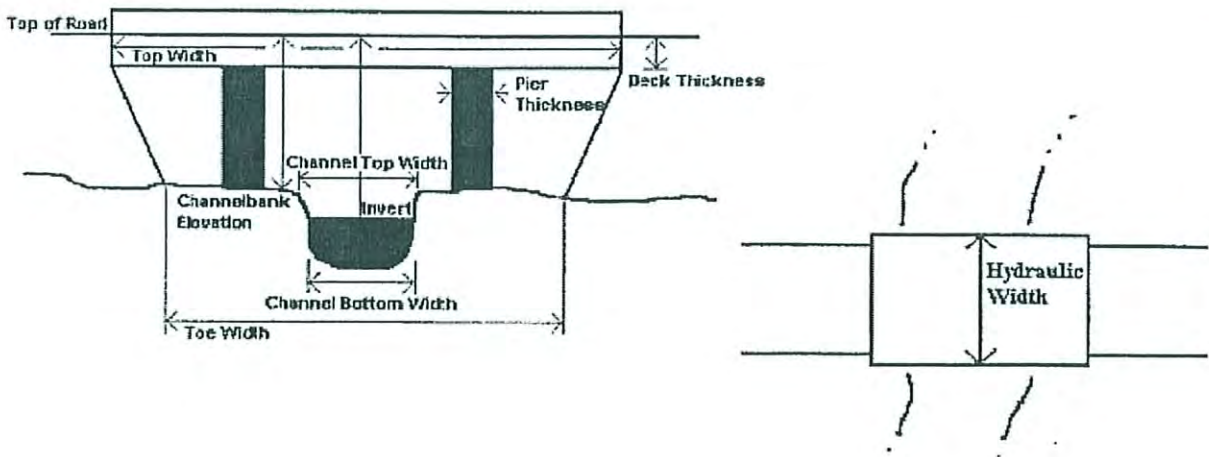


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
1.5' @ Foothill v/s side - can't get into fence to measure d/s side of Foothill.		
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



Name	Description	PHOTOS
53		d/s of calaveras looking d/s -
54		v/s side of calaveras looking v/s @ Foothill Rd culvert.
55		d/s side of Foothill looking at v/s side of calaveras culvert.
56		v/s side of Foothill looking d/s.
57		v/s side of Foothill looking v/s

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

concrete 2/3 of Footwall; erodible
soil 1/3 of Footwall

General Channel Condition

Banks

Overbanks
