STRUCTURE SURVEY TEMPLATE

DATE	11/14/07		
ROAD NAME	RR xing @ d/s end of EB	COUNTY	Ventura.
STREAM NAME	Edwards Barranca	PHOTO ID #	
STRUCTURE #	EB1	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)	dense vegetation 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	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)

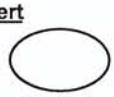
Pier Shape

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

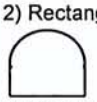
Types (Shape) of Culvert

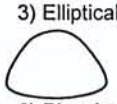

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

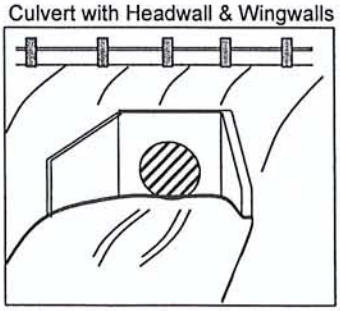

5) Elevated Arch


6) Pipe Arch

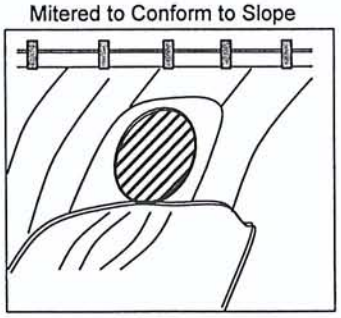
7) Other

Inlet/Outlet Type

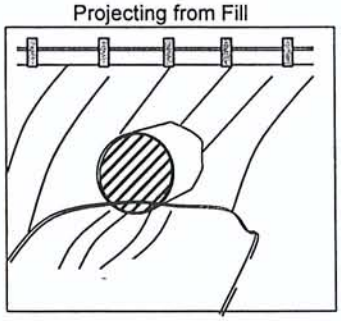
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

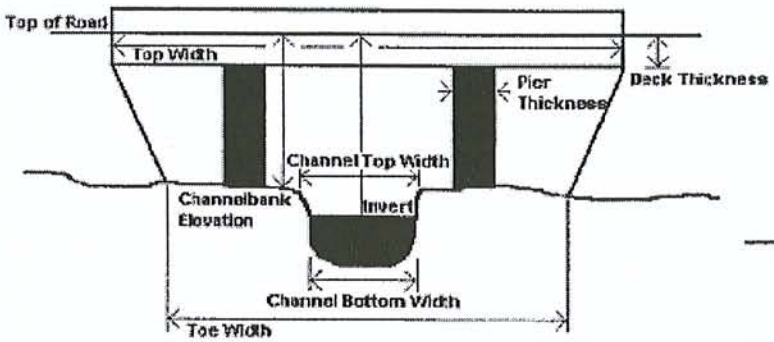


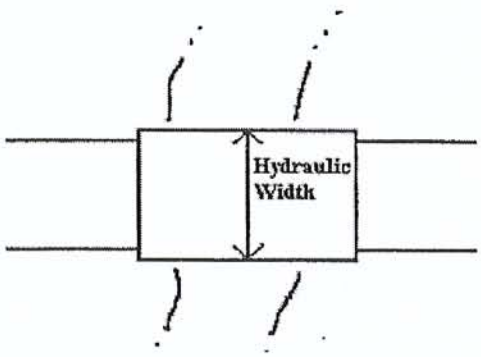
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

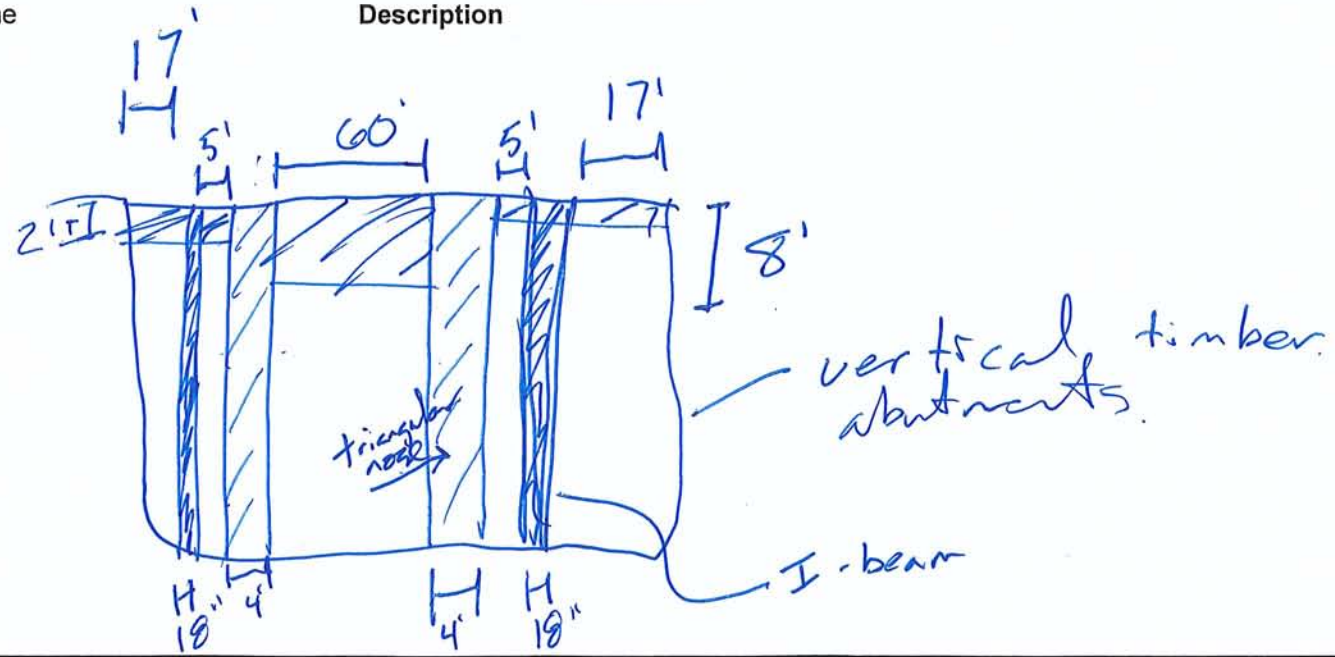
DECK THICKNESS	TOP WIDTH	TOE WIDTH
Varies		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	4	Varies 18" - 4'





PHOTOS

Name **Description**



ADDITIONAL CHANNEL INFORMATION

Land Use

strawberry fields @ d/s end
lemon orchards @ u/s end
both overbanks
dense vegetation - arundo, willow + eucalyptus

Vegetative Cover

cobbles

Bed Material

Overgrown

General Channel Condition

natural sandy, erosive soil
very dense vegetation $n > 0.1$

Banks

Ag.

Overbanks

STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	Telegraph	COUNTY	Ventura
STREAM NAME	Unnamed Unsworth Barranca	PHOTO ID #	
STRUCTURE #	EB2	X Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
road Railroad Bridge		~ 2 40'x15'		Top of Road EL	

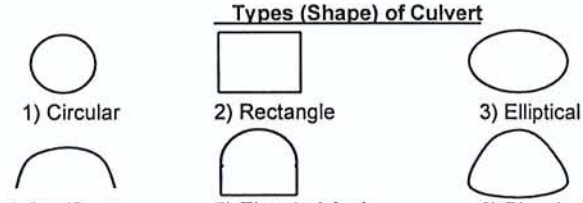
SPECIAL NOTE (Conditions, Blockage, etc)	significant debris accumulation @ u/s end of pier ~ 10' wide by 5' high
HIGH WATER MARK (Description, Witness, and Date)	

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge		Number of Barrels 2	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

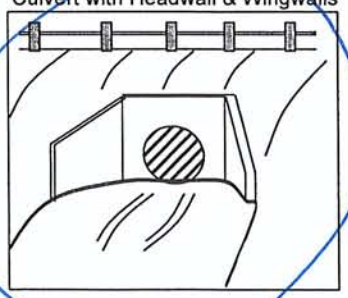
Types (Shape) of Culvert



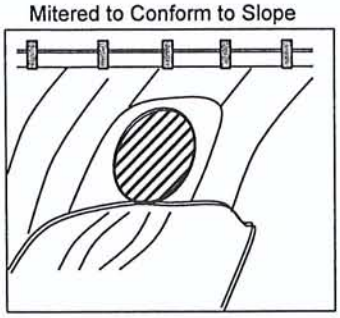
7) Other

Inlet/Outlet Type

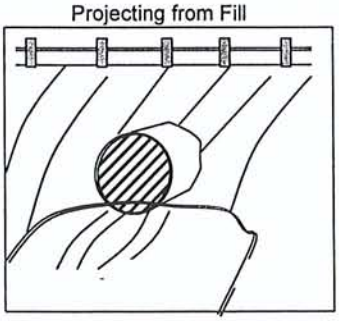
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

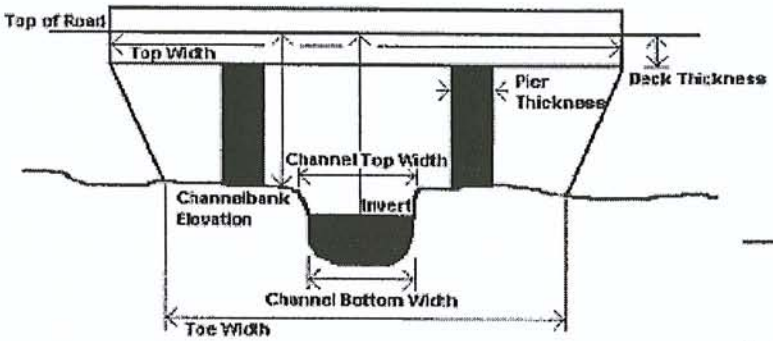


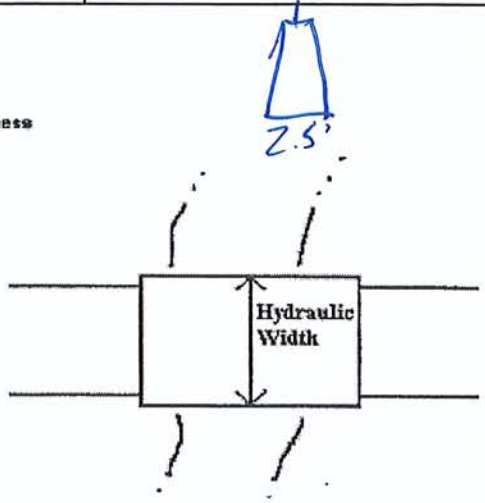
CHANNEL INFORMATION

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	1' 10 2.5'





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

Agriculture on right overbank + left overbank.

Land Use

dense vegetation, willow, arrundo, + eucalyptus - u/s end is not as densly vegetated as d/s end in channel

Vegetative Cover

scratch channel bottom under bridge gravel + cobble material u/s of bridge ~ 3" d_{50}

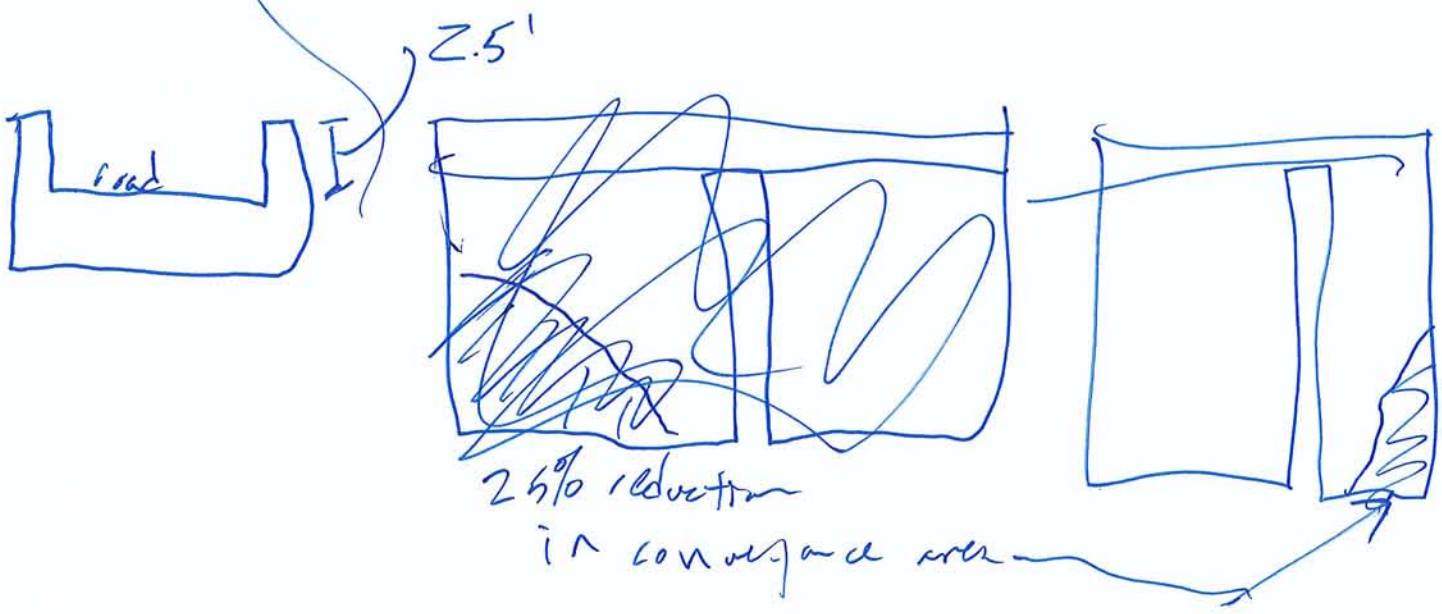
Bed Material

overgrown vegetation - significant soil accumulation in right barrel blocking flow @ u/s end

General Channel Condition

Avocado on right overbank d/s, less Avocado on right overbank @ u/s end. a few houses on left overbank @ u/s end.

Overbanks



STRUCTURE SURVEY TEMPLATE

		DATE	11/14/07
ROAD NAME	Foothills Rd	COUNTY	Ventura
STREAM NAME	Ellsworth Barranca	PHOTO ID #	
STRUCTURE #	EB 3	X,Y COORDINATE	

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

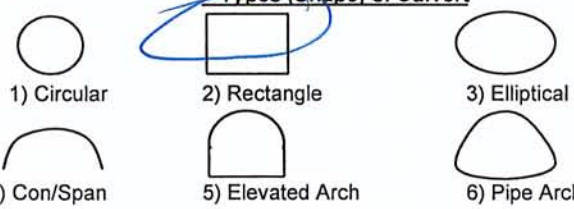
SPECIAL NOTE (Conditions, Blockage, etc)	significant debris accumulation @ u/s end of pier, left barrel filled 4' w/ sand.
HIGH WATER MARK (Description, Witness, and Date)	

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	Wingwalls Type 0^0, 45^0, 90^0
Pier Shape		1) Circular	Bitmus Coated	Road to Invert	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	
Outlet		6) Pipe Arch	Masonry Rock	(FT.NGVD) or	
		7) Other		(FT.NAVD)	

Pier Shape

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

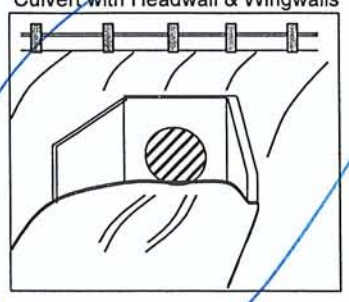
Types (Shape) of Culvert



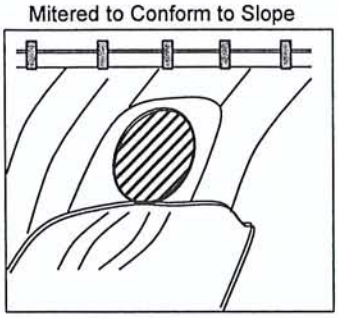
7) Other

Inlet/Outlet Type

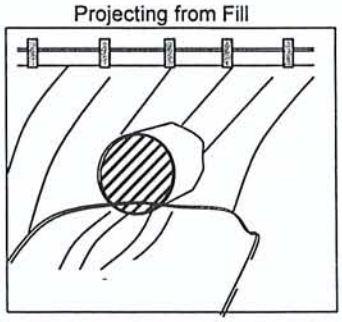
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

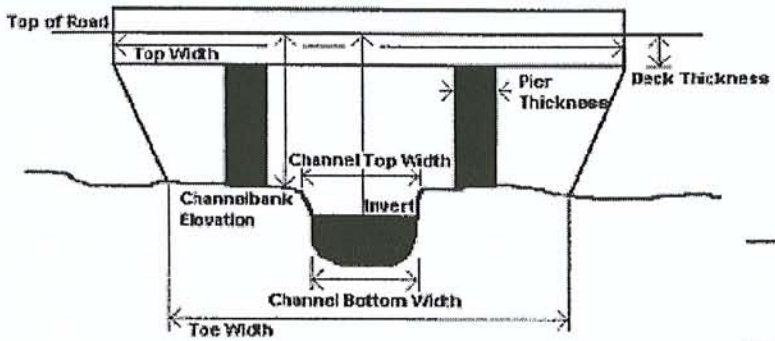


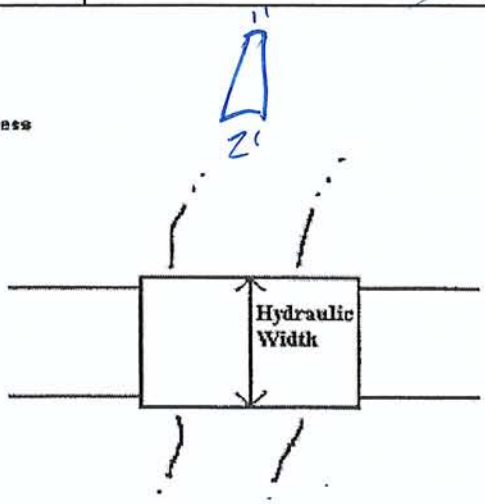
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

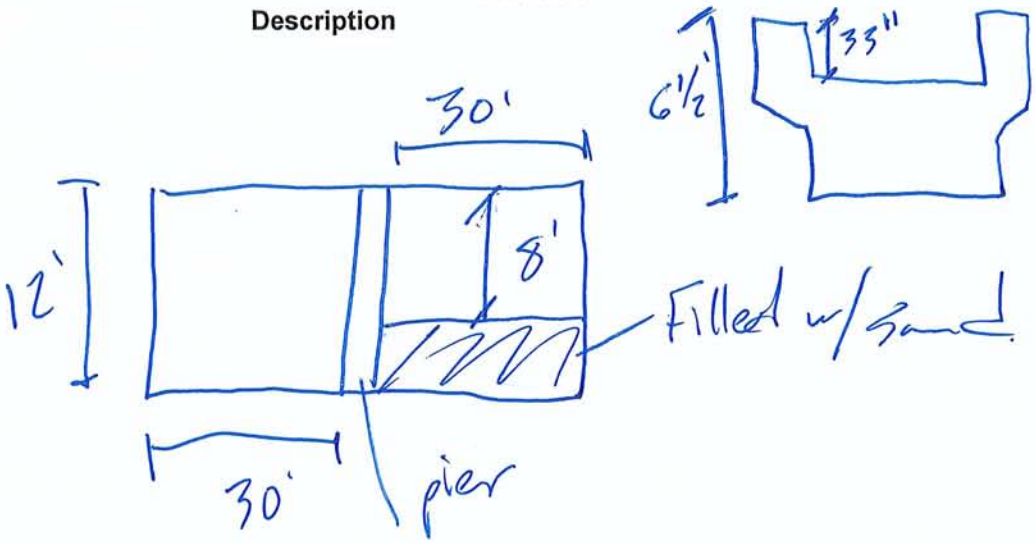
DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
	1	1'-2'





PHOTOS

Name **Description**



ADDITIONAL CHANNEL INFORMATION

Agriculture

Land Use

shrub + brush material - looks like vegetation was cleared recently + this is regrowth.

Vegetative Cover

sandy cobble + rock

Bed Material

Bed d/s of bridge, right abutment appears to block some flow - the river may have shifted here

General Channel Condition

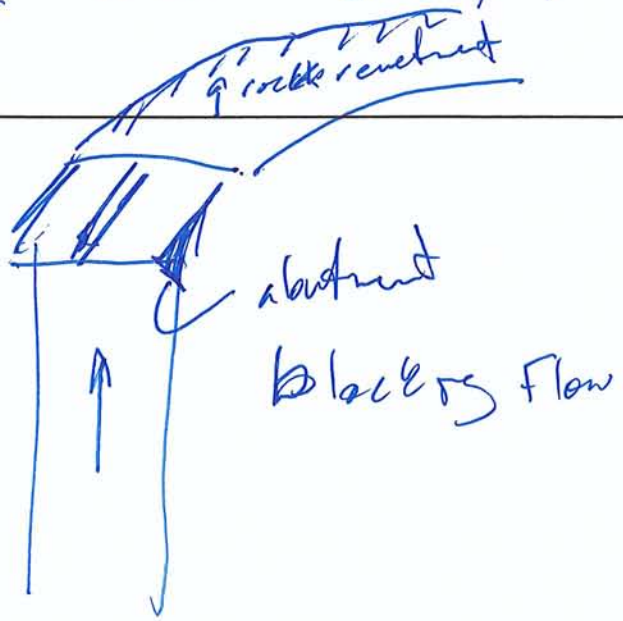
grouted rock revetment along left bank d/s of bridge through the bend.

right bank is vertical - 30yds u/s of bridge

Banks - sandy erosive material - right bank d/s of bridge is severely erodeb 50 yds

left overbank d/s of bridge may provide some detention

Overbanks



STRUCTURE SURVEY TEMPLATE

				DATE	11/14/07
ROAD NAME	Alisa Canyon			COUNTY	Ventura
STREAM NAME	Ellsworth Barranca.			PHOTO ID #	
STRUCTURE #	EB6		X,Y COORDINATE		

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge (Road)				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	RCP (Reinforced Concrete Pipe)	Height from Top of Road to Invert	Headwall
Span Bridge		CMP (Corrugated Metal Pipe)		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		
	7) Other	concrete		

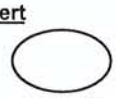
Pier Shape

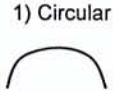
1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

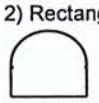
Types (Shape) of Culvert

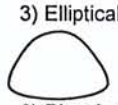

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

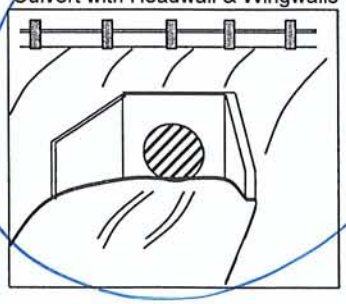

5) Elevated Arch


6) Pipe Arch

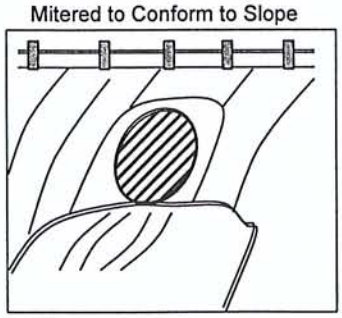
7) Other

Inlet/Outlet Type

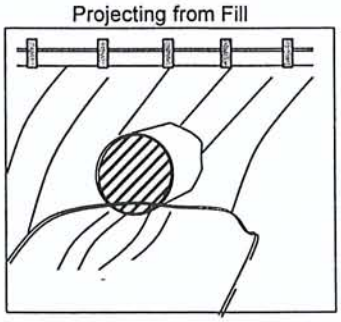
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

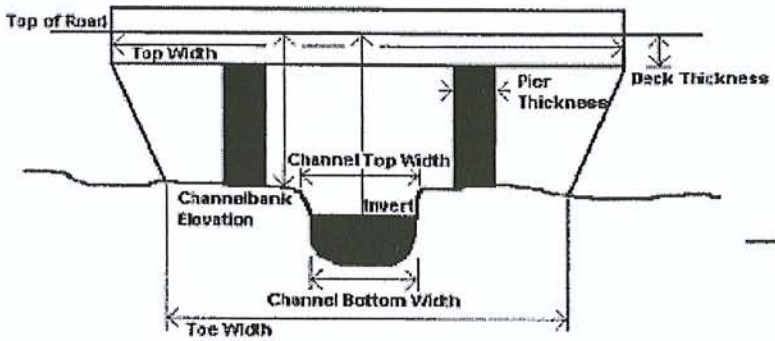


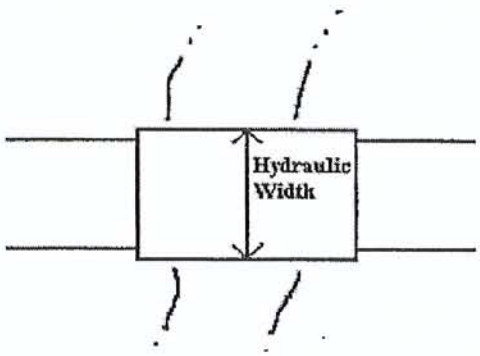
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

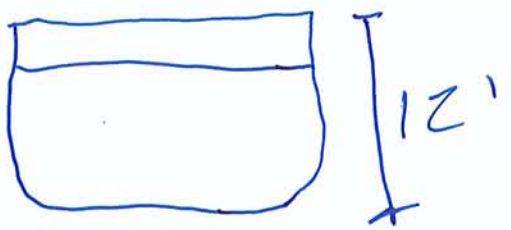
DECK THICKNESS	TOP WIDTH	TOE WIDTH
3' -		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**
2 40'	0	





PHOTOS

Name	Description



ADDITIONAL CHANNEL INFORMATION

Ag. downstream - ~~right~~

Land Use

dense vegetation u/s primarily willow
- d/s is ag.

Vegetative Cover

cobbles + large rock - upstream mean diameter ~ 1'-2'

Bed Material

overgrown u/s ~~*~~ not as dense d/s (appears to be more maintained d/s).

General Channel Condition

rt bank u/s of bridge is vertical wall supported by pole + wire, similar to gabion
left bank u/s is grouted riprap for ~ 100'

Banks

ag d/s, right overbank u/s is steep slope - Foothills
left overbank u/s is ag w/ some residential

Overbanks