

STRUCTURE SURVEY TEMPLATE

				DATE	3-31-10
ROAD NAME		Carson Mesa		COUNTY	CA
STREAM NAME		Soledad Cyn		PHOTO ID #	829-831
STRUCTURE #		①		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)		DIP crossing			
HIGH WATER MARK (Description, Witness, and Date)		3 pictures → 1 VLS #829 1 BLS #830 1 looking down rd #831			
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°, 45°, 90°
Pier Shape			Bitmus Coated		Projecting
Culvert		1) Circular	Steel	Top of Road EL	Flush with Slope
Dam		2) Rectangle (Span X Rise)	Timber		MES (Mitered End Section)
Spillway		3) Elliptical	Ductile		FES (Flared End Section)
Riser Barrel		4) Con/Span	Clay		
Outlet		5) Elevated Arch	Masonry Rock	From Topo Map (FT.NGVD) or (FT.NAVD)	
		6) Pipe Arch			
		7) Other			

Pier Shape

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

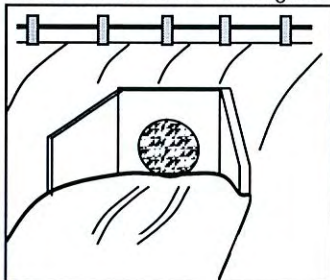


Types (Shape) of Culvert

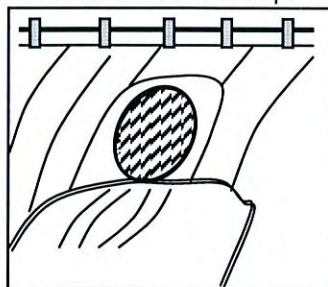
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

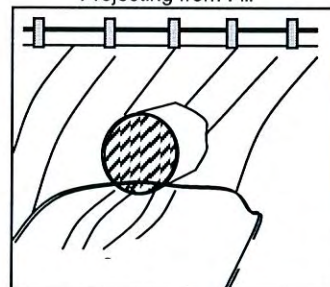
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

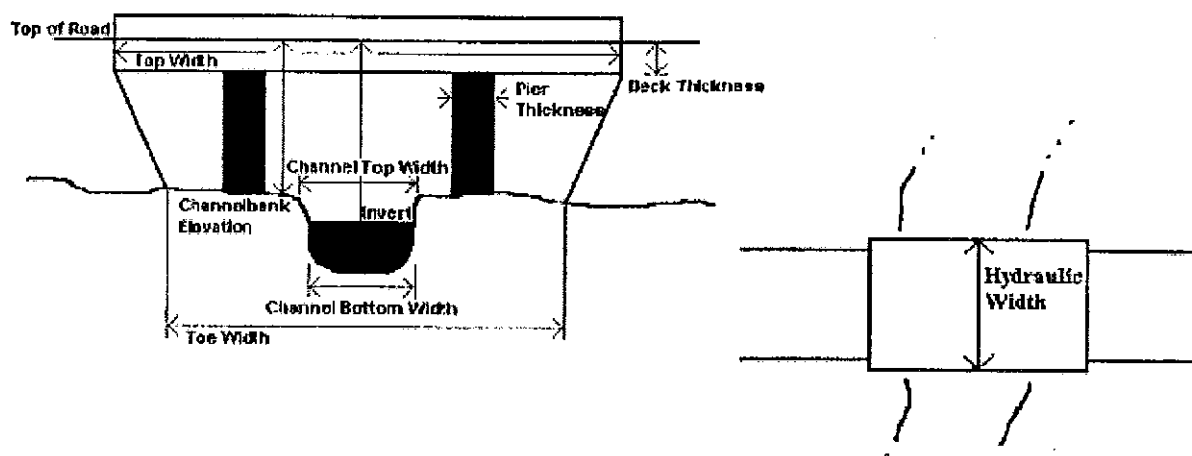


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



PHOTOS

Name

Description

ADDITIONAL CHANNEL INFORMATION

Land Use

open

Vegetative Cover

brush

Bed Material

Sandy gravel

General Channel Condition

undefined

Banks

undefined

Overbanks

banks w/ brush

broad, undefined braiding channel

STRUCTURE SURVEY TEMPLATE

				DATE	3-31-10
ROAD NAME		Carson Mesa / unnamed dirt rd.		COUNTY	LA
STREAM NAME		SOLIDAD Cyn		PHOTO ID #	832-834
STRUCTURE #		2		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)		dip crossing -- dirt road			
HIGH WATER MARK (Description, Witness, and Date)		photos: # 832 - looking N/S # 833 - looking W/S # 834 - looking @ dip			
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°, 45°, 90°
Pier Shape			Bitum Coated		Projecting
Culvert		1) Circular	Steel	Top of Road EL	Flush with Slope
Dam		2) Rectangle (Span X Rise)	Timber		MES (Mitered End Section)
Spillway		3) Elliptical	Ductile		FES (Flared End Section)
Riser Barrel		4) Con/Span	Clay	From Topo Map (FT.NGVD) or (FT.NAVD)	
Outlet		5) Elevated Arch	Masonry Rock		
		6) Pipe Arch			
		7) Other			

Pier Shape

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

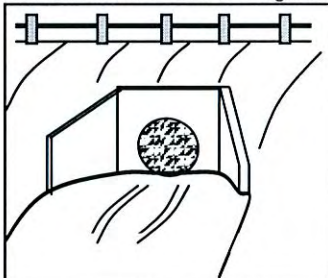


Types (Shape) of Culvert

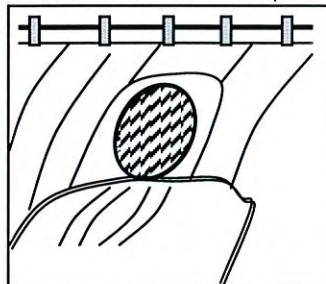
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

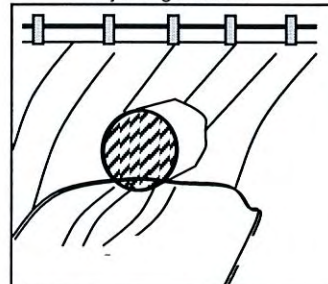
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

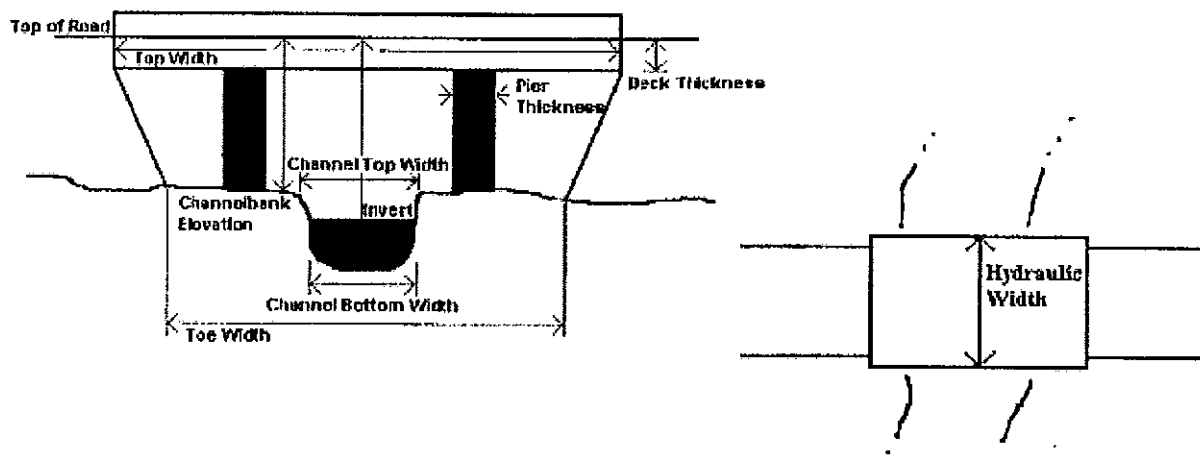


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



Name	Description	PHOTOS

ADDITIONAL CHANNEL INFORMATION

Land Use

see notes for crossing 1

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

broad undefined
braided channel

STRUCTURE SURVEY TEMPLATE

				DATE	3-31-10
ROAD NAME		Carson Mesa		COUNTY	LA
STREAM NAME		Soledad Crn		PHOTO ID #	835 - 837
STRUCTURE #		2		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)		- stream crosses the paved road - undefined			
HIGH WATER MARK (Description, Witness, and Date)		Photos: looking N/E 835 looking S/E 836 looking @ road = 837 crossm			
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) Bitumastic 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

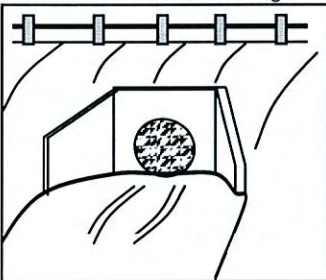


Types (Shape) of Culvert

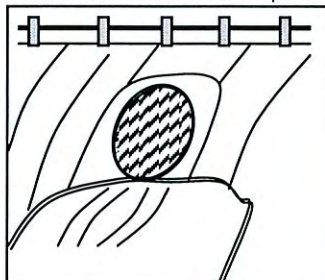
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

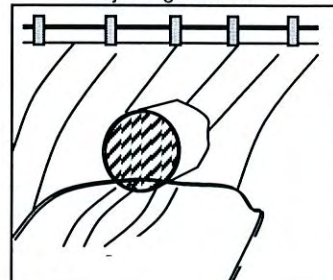
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

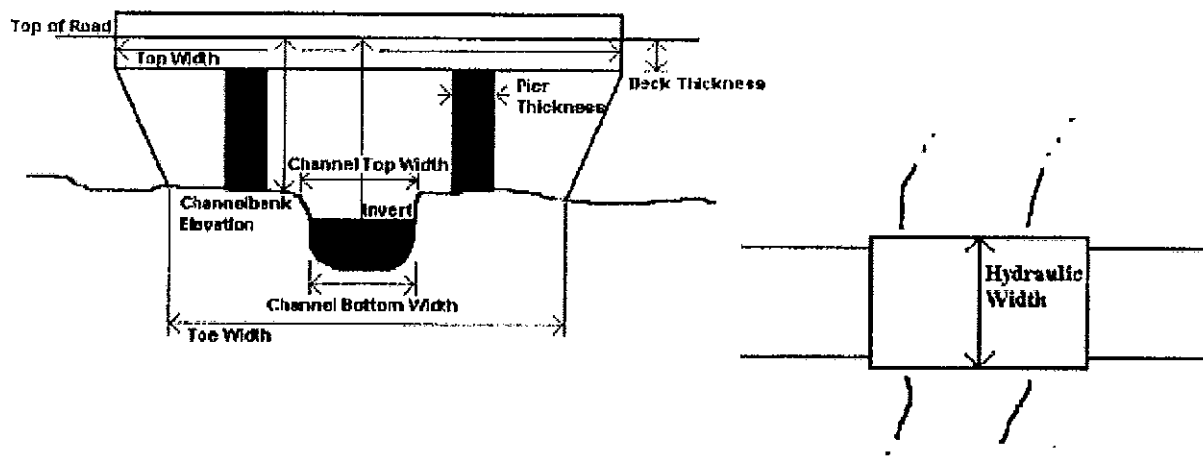


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

[illegible]

ADDITIONAL CHANNEL INFORMATION

Land Use

Some residential/road - appear to be in the floodplain

Vegetative Cover

veg

Bed Material

sandy gravel

General Channel Condition

undefined

Banks

undefined

Overbanks

stream appears to cross the road in an undefined manner
— sheet flow.

STRUCTURE SURVEY TEMPLATE

				DATE	3-31-10
ROAD NAME		Aliso Ckn		COUNTY	CA
STREAM NAME		Sole dad Ckn		PHOTO ID #	838-840
STRUCTURE #		4		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)		dip crossing at paved road			
HIGH WATER MARK (Description, Witness, and Date)		# 838 - looking Ws # 839 - looking Ns # 840 looking N down road @ dip			
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°, 45°, 90°
Pier Shape			Bitum Coated		Projecting
Culvert		1) Circular	Steel	Top of Road EL	Flush with Slope
Dam		2) Rectangle (Span X Rise)	Timber		MES (Mitered End Section)
Spillway		3) Elliptical	Ductile		FES (Flared End Section)
Riser Barrel		4) Con/Span	Clay	From Topo Map (FT.NGVD) or (FT.NAVD)	
Outlet		5) Elevated Arch	Masonry Rock		
		6) Pipe Arch			
		7) Other			

Pier Shape

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

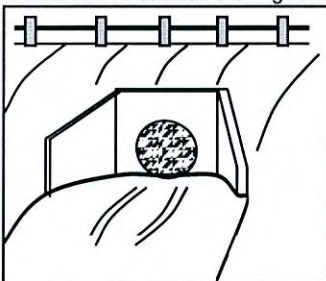


Types (Shape) of Culvert

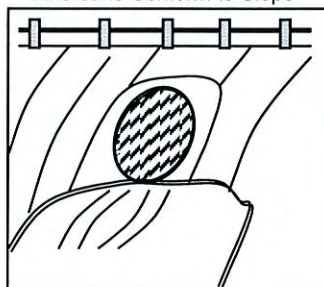
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

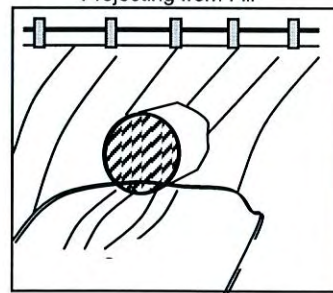
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

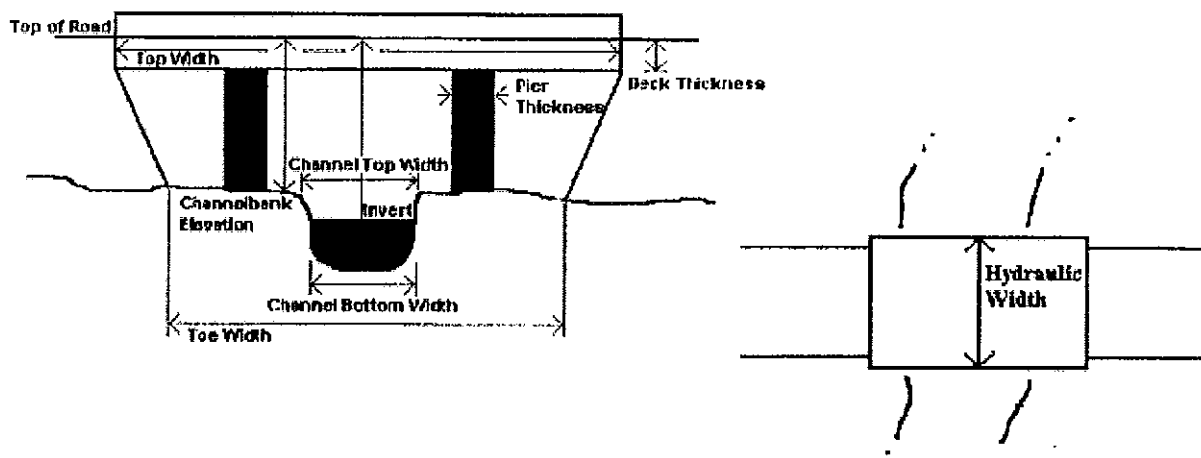


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

[illegible]

ADDITIONAL CHANNEL INFORMATION

Land Use some ranch / residential

Vegetative Cover brush

Bed Material sandy gravel

General Channel Condition undefined

Banks undefined

Overbanks undefined

sheet flow over road

STRUCTURE SURVEY TEMPLATE

				DATE	7.28.2008
ROAD NAME		Angeles Forest Hwy		COUNTY	LA
STREAM NAME		Soledad Cyn.		PHOTO ID #	
STRUCTURE #	1	SCI	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)		culvert + riser on ¹ / ₄ side of Rd crossing			
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°, 45°, 90°
Pier Shape			Bitumus Coated		Projecting
Culvert + riser		1) Circular 30" dia	Steel	Top of Road EL	MES (Mitered End Section)
Dam		2) Rectangle (Span X Rise)	Timber		FES (Flared End Section)
Spillway		3) Elliptical	Ductile		
Riser Barrel		4) Con/Span	Clay	From Topo Map (FT.NGVD) or (FT.NAVD)	
Outlet		5) Elevated Arch	Masonry Rock		
		6) Pipe Arch			
		7) Other			

Pier Shape

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

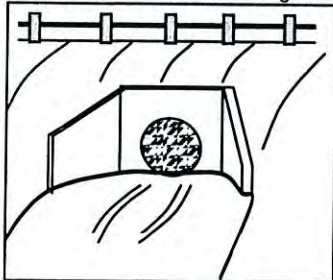


Types (Shape) of Culvert

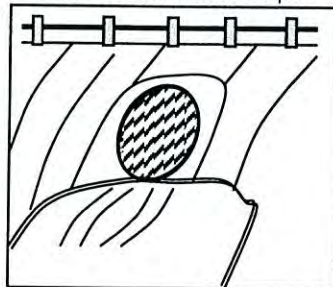
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

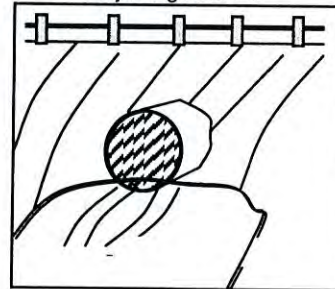
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

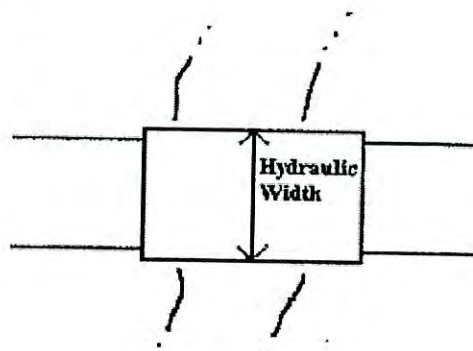
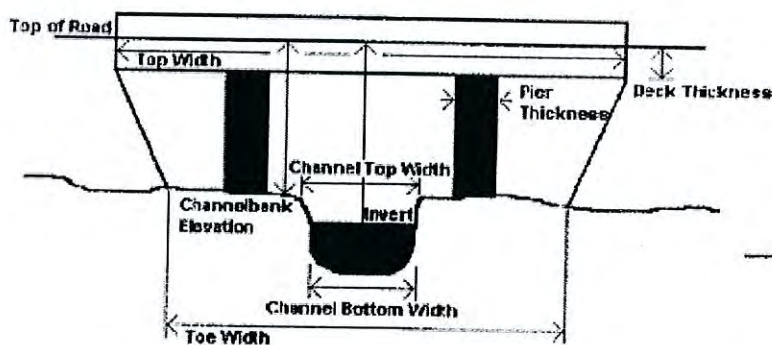


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



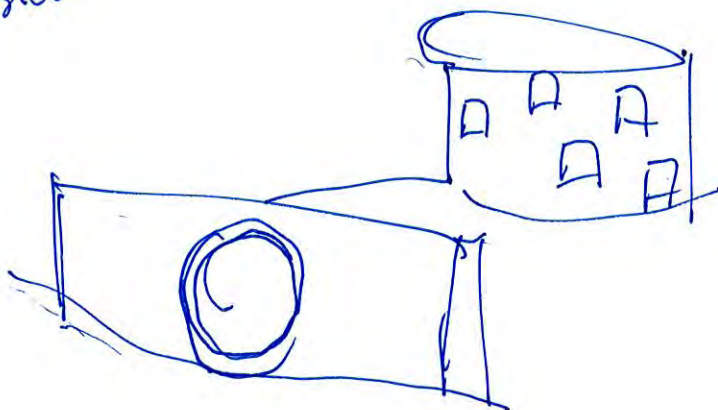
Name

Description

PHOTOS

- 4 photos -

1/2 side



ADDITIONAL CHANNEL INFORMATION

Land Use open space, some low density housing

Vegetative Cover brush

Bed Material sandy gravel

General Channel Condition ill-defined, brushy

Banks wide, brushy plain for channel, no defined banks

Overbanks same as channel

note: d/s side has
power poles & power towers in/near the
channel.

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-08
ROAD NAME	Rockford Rd.			COUNTY	LA
STREAM NAME	Soledad Cyn			PHOTO ID #	
STRUCTURE #	2	SC2	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)		two 48" CMPs			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape <u>Culvert</u> Dam Spillway Riser Barrel Outlet		Number of Barrels 2 1) Circular 48" 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) <u>CMP</u> (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

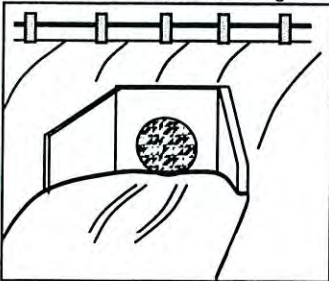


Types (Shape) of Culvert

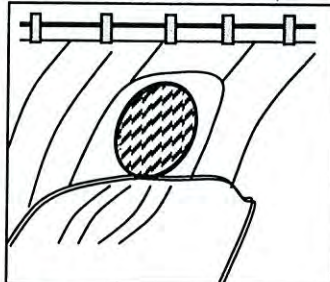
- | | | |
|-------------|------------------|---------------|
| 1) Circular | 2) Rectangle | 3) Elliptical |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

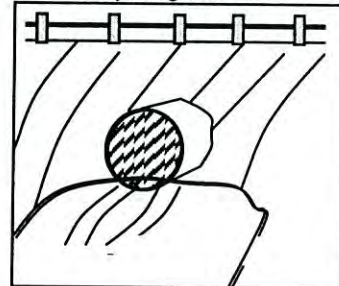
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

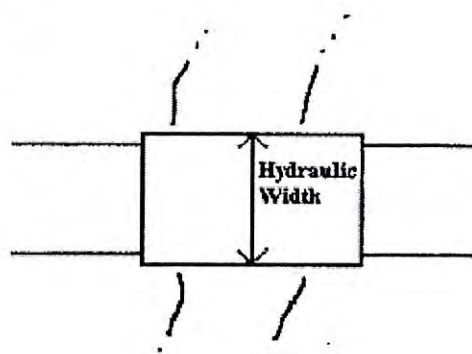
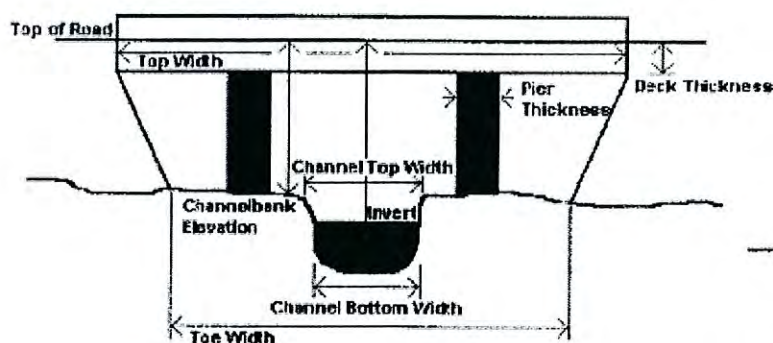


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



Name	Description	PHOTOS
		3 photos
	note: debris accumulation between culverts on 1/2 side	
	Rocky ford is a dirt road..	
	Culverts project from bank 1/2 & 1/2	

ADDITIONAL CHANNEL INFORMATION

Land Use open - power lines + tower ranches downstream

Vegetative Cover brush

Bed Material sand + gravel

General Channel Condition no definition, broad

Banks no definition

Overbanks brush

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-2008
ROAD NAME				COUNTY	CA
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)		no structure - dip - at grade crossing			
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		1) Circular	CMP (Corrugated Metal Pipe)		Wingwalls Type 0°, 45°, 90°
Pier Shape		2) Rectangle (Span X Rise)	Bitumus Coated		Projecting
Culvert		3) Elliptical	Steel	Top of Road EL	Flush with Slope
Dam		4) Con/Span	Timber		MES (Mitered End Section)
Spillway		5) Elevated Arch	Ductile	From Topo Map (FT.NGVD) or (FT.NAVD)	FES (Flared End Section)
Riser Barrel		6) Pipe Arch	Clay		
Outlet		7) Other	Masonry Rock		

Pier Shape

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

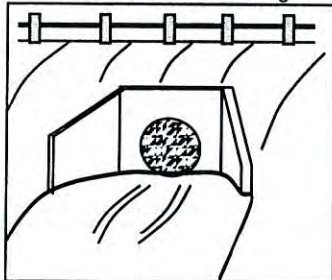


Types (Shape) of Culvert

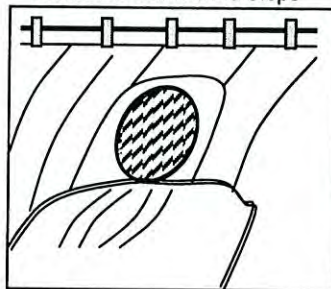
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

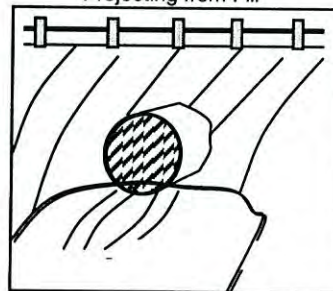
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

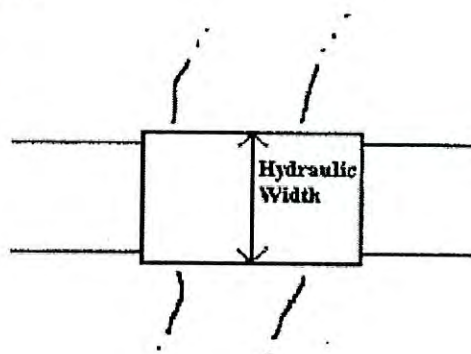
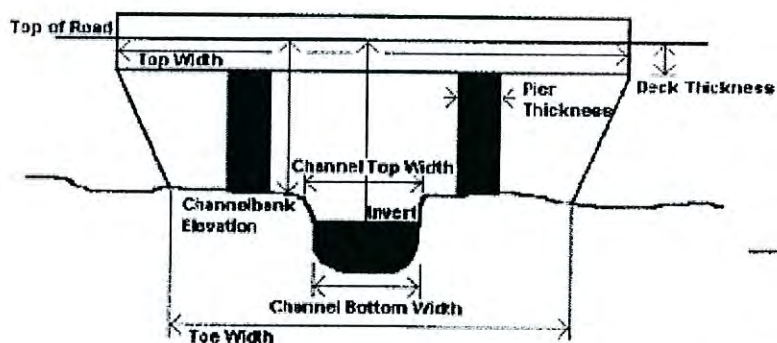


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



Name

Description

PHOTOS

2 pictures

note: dirt road @ grade

ADDITIONAL CHANNEL INFORMATION

Land Use

1/2, d/2 brushy open space

Vegetative Cover

brush

Bed Material

sand + gravel

General Channel Condition

no definition / broad

Banks

none

Overbanks

brush

STRUCTURE SURVEY TEMPLATE

				DATE	7.28.08
ROAD NAME		Carson Road		COUNTY	CA
STREAM NAME		Salsedad Ckn + Kentucky Springs Ckn		PHOTO ID #	
STRUCTURE #		(no structure) 4 SC4 KSI		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)		@ grade paved road			
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 Wingwalls Type 0°, 45°, 90° Projecting Flush with Slope
Span Bridge		1) Circular	CMP (Corrugated Metal Pipe)		
Pier Shape		2) Rectangle (Span X Rise)	Bitmus Coated	Top of Road EL	MES (Mitered End Section)
Culvert		3) Elliptical	Steel	From Topo Map (FT.NGVD) or (FT.NAVD)	FES (Flared End Section)
Dam		4) Con/Span	Timber		
Spillway		5) Elevated Arch	Ductile		
Riser Barrel		6) Pipe Arch	Clay		
Outlet		7) Other	Masonry Rock		

Pier Shape

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

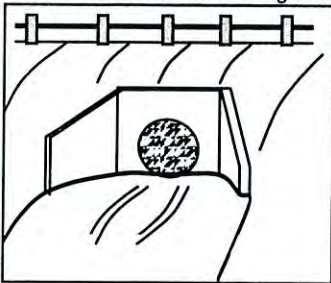


Types (Shape) of Culvert

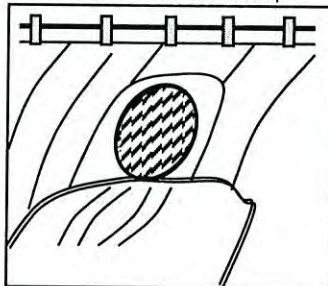
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

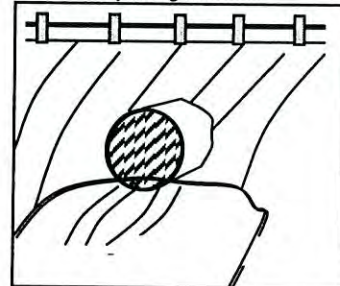
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

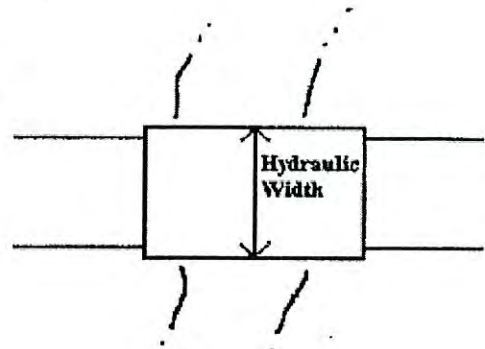
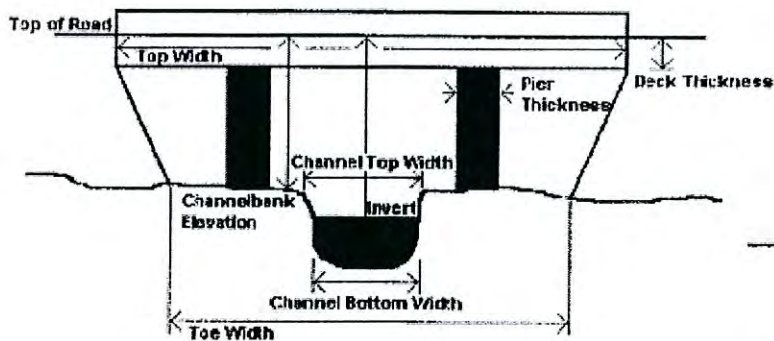


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



Name

Description

PHOTOS

3 photos

Carson Rd is paved

both Sided Car & Kentucky Springs Car

Cross @ grade

Confluence is immediately D/S.

ADDITIONAL CHANNEL INFORMATION

Land Use Open - some ranches

Vegetative Cover brush

Bed Material sand + gravel

General Channel Condition not ^{well} defined

Banks broad, brushy channel

Overbanks brush