

STRUCTURE SURVEY TEMPLATE







				DATE	10.19.08
ROAD NAME	Railroad			COUNTY	CA
STREAM NAME	Chiquito			PHOTO ID #	
STRUCTURE #			X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge			wood	Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		low trestle bridge piers not well aligned to flow			
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
Pier Shape			Bitmus Coated	From Topo Map (FT.NGVD) or (FT.NAVD)	
Culvert		1) Circular	Steel		
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		
		6) Pipe Arch			
		7) Other			

Pier Shape

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

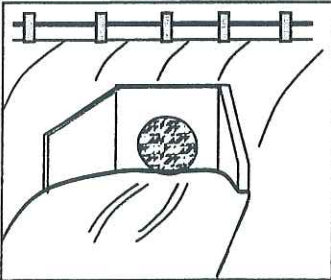


Types (Shape) of Culvert

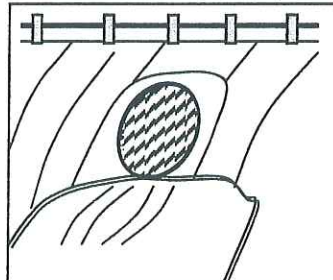
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

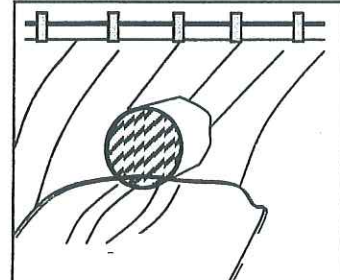
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

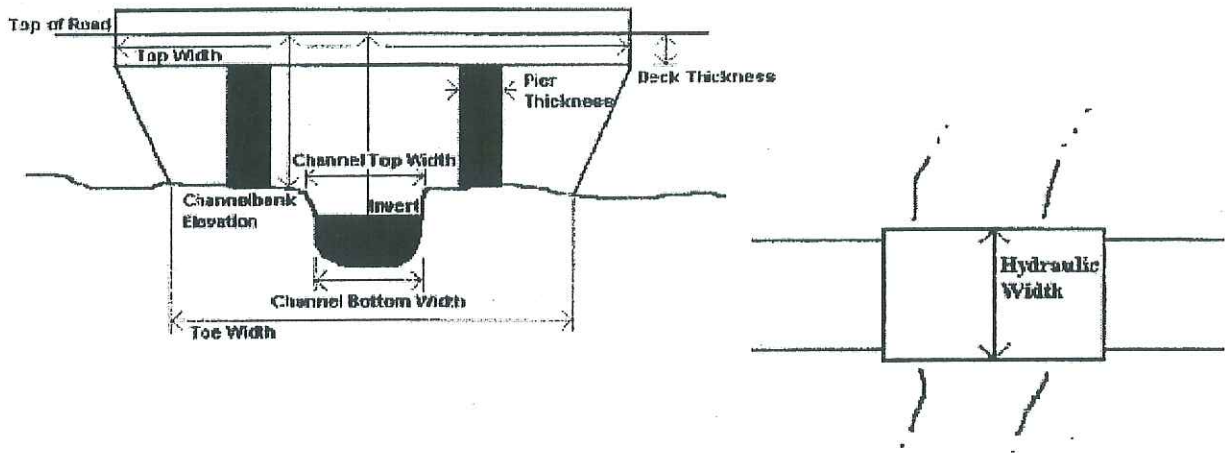


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

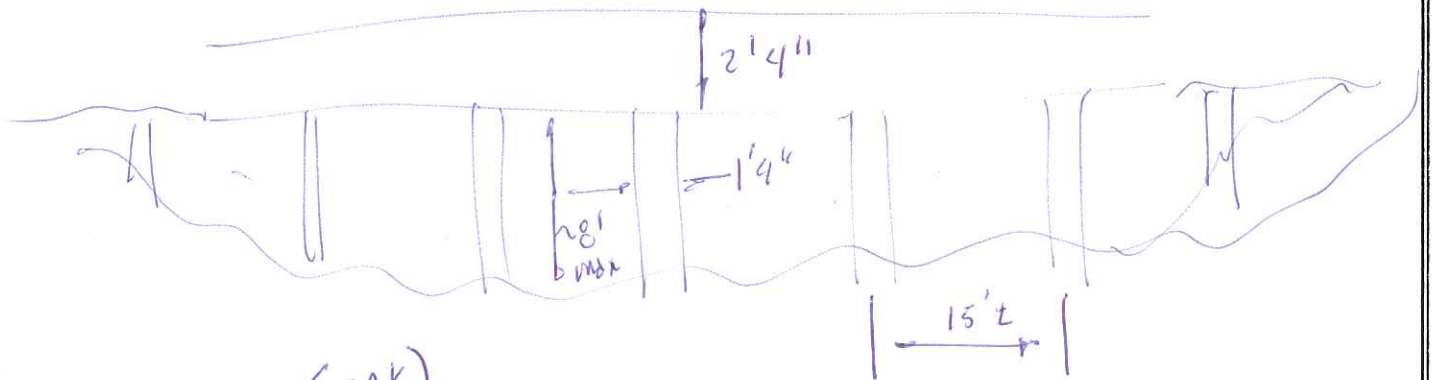
DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name

Description



big tree (oak)
growing in the middle -- see picture

ADDITIONAL CHANNEL INFORMATION

Land Use

open

Vegetative Cover

brush + trees

Bed Material

sand + gravel

General Channel Condition

not bad

Banks

low, undefined

Overbanks

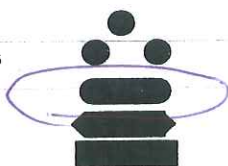
open brush + ag d/s

STRUCTURE SURVEY TEMPLATE

				DATE	11-19-08
ROAD NAME	Hwy 126			COUNTY	CA
STREAM NAME	Cmquito Crn			PHOTO ID #	
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)		frp box 14' w x 4' to 6' H (sediment + debris)			
HIGH WATER MARK (Description, Witness, and Date)		note: @ D/S end H ~ 8' - man less sed.			
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 3 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 <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

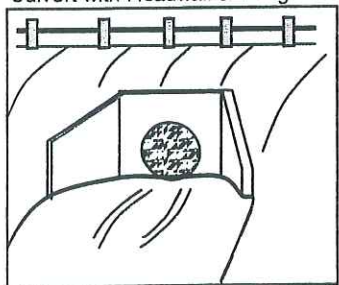


Types (Shape) of Culvert

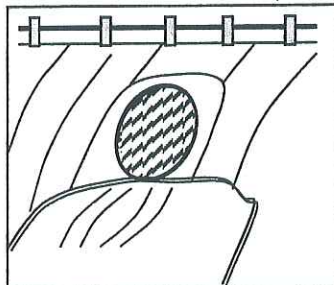
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

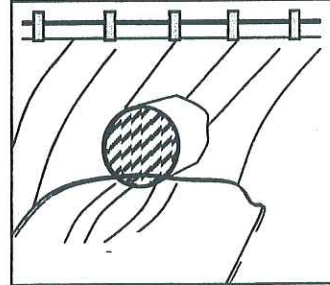
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

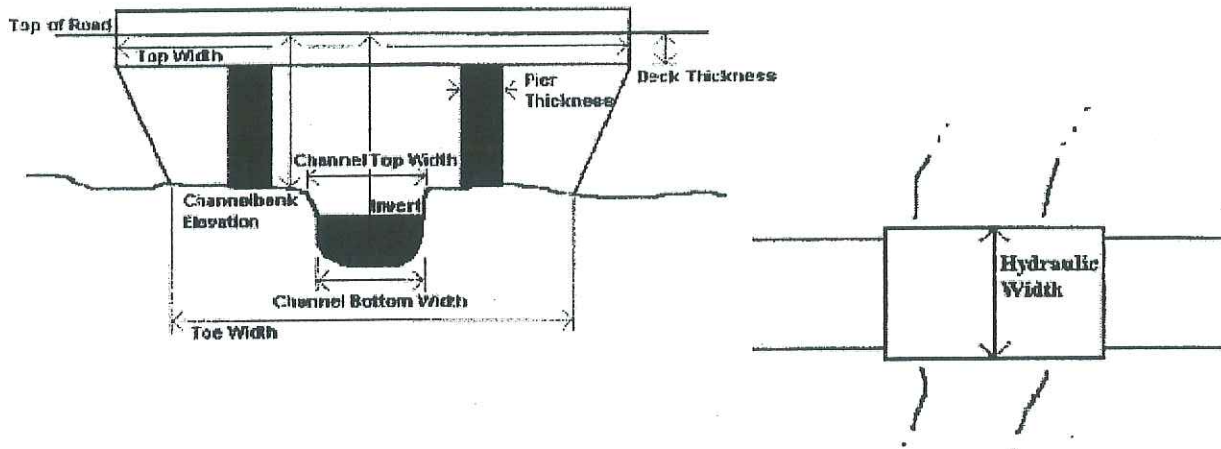


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



PHOTOS

Name

Description

local deposition + debris, crossing at a skew...



ADDITIONAL CHANNEL INFORMATION

Land Use open

brush, brush blocking $\frac{1}{3}$ outlet

Vegetative Cover

sand + some gravel

Bed Material

fairly clear

General Channel Condition

some riprap, $\frac{1}{3}$

Banks

brush.


Overbanks

STRUCTURE SURVEY TEMPLATE


				DATE	11-19-08
ROAD NAME	Old Road			COUNTY	CA
STREAM NAME	Chiquito			PHOTO ID #	
STRUCTURE #	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)		Single Arch 20' W x 13' fall			
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
Pier Shape			Bitumus Coated	From Topo Map (FT.NGVD) or (FT.NAVD)	Projecting
Culvert		1) Circular	Steel		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		
		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




4) Con/Span




2) Rectangle



5) Elevated Arch



3) Elliptical

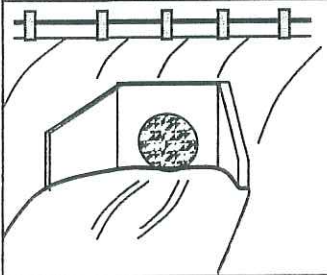


6) Pipe Arch

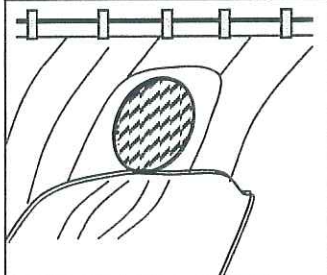
7) Other

Inlet/Outlet Type

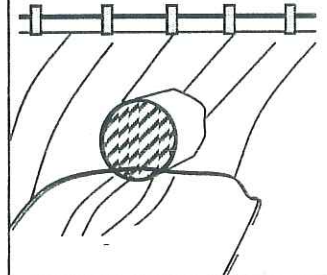
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

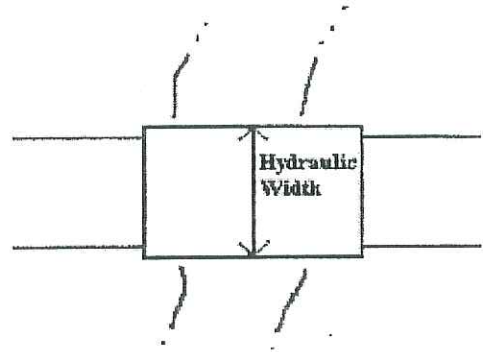
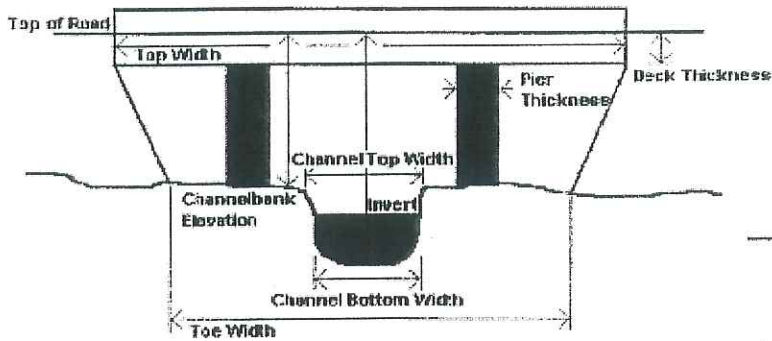


CHANNEL INFORMATION

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
		<p>Hand-drawn sketches in blue ink. On the left is a semi-circular pier with a vertical line through its center. The top of the semi-circle is labeled 'B1' and the bottom width is labeled '20''. On the right is a sketch of a pier with wing walls. The wing walls are labeled 'wing walls' and '4/5 of d/s'. The angle between the wing wall and the pier is labeled '~70°'. An arrow labeled 'Flow' points downwards from the pier.</p>

ADDITIONAL CHANNEL INFORMATION

Land Use

open

Vegetative Cover

light brush 1/5

Bed Material

sand + gravel

General Channel Condition

shut locally, undefined 1/5

Banks

general topography - open

Overbanks

STRUCTURE SURVEY TEMPLATE







					DATE	11-20-08
ROAD NAME			Chiquito Cyn Rd 1		COUNTY	LA
STREAM NAME			Chiquito Cyn		PHOTO ID #	
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)			conc. span bridge w/ pier			
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)	Top of Road EL	Wingwalls Type 0°, 45°, 90°	
Pier Shape		2) Rectangle (Span X Rise)	Bitmus Coated	From Topo Map (FT.NGVD) or (FT.NAVD)	Projecting	
Culvert		3) Elliptical	Steel		Flush with Slope	
Dam		4) Con/Span	Timber		MES (Mitered End Section)	
Spillway		5) Elevated Arch	Ductile		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

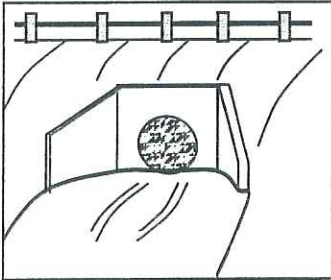


Types (Shape) of Culvert

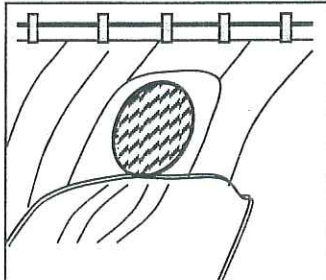
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

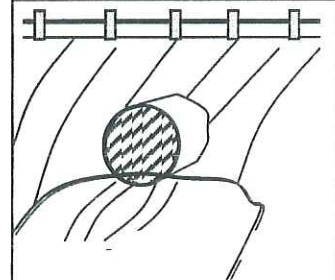
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

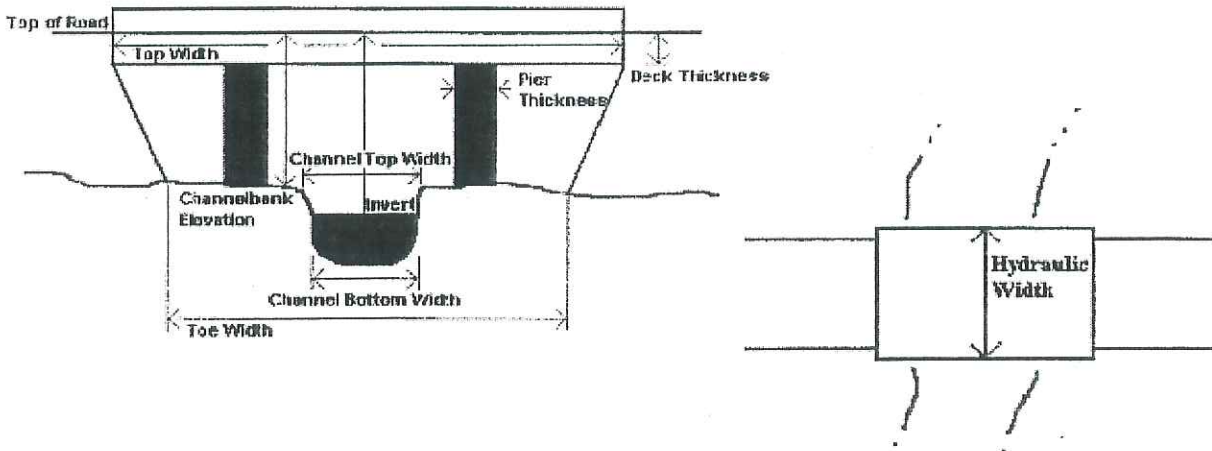


CHANNEL INFORMATION

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
bridge crosses at a skew	some sediment in R opening.	

ADDITIONAL CHANNEL INFORMATION

Land Use open

Vegetative Cover light brush

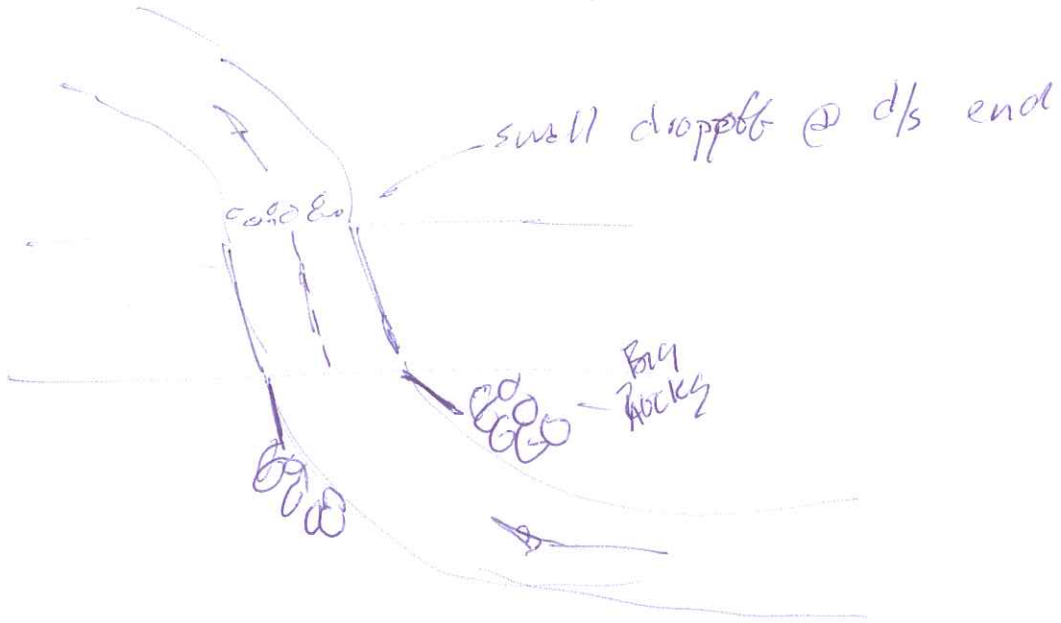
Bed Material sand + gravel

General Channel Condition fairly clear - broad and not well defined
u/s & d/s

Banks low -

Overbanks brush, grass + scattered oaks.

bridge is at bend




STRUCTURE SURVEY TEMPLATE


				DATE	11-20-08
ROAD NAME	Lincoln Ave			COUNTY	LA
STREAM NAME	Cmquito Cyn			PHOTO ID #	
STRUCTURE #	5	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)		paved dip crossing with buried pipe (completely filled with dirt)			
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)		
Pier Shape			Bitmus Coated	Top of Road EL	Projecting
Culvert		1) Circular	Steel		Flush with Slope
Dam		2) Rectangle (Span X Rise)	Timber	From Topo Map (FT.NGVD) or (FT.NAVD)	MES (Mitered End Section)
Spillway		3) Elliptical	Ductile		FES (Flared End Section)
Riser Barrel		4) Con/Span	Clay		
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




4) Con/Span




2) Rectangle



5) Elevated Arch



3) Elliptical

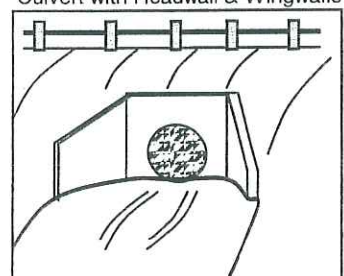


6) Pipe Arch

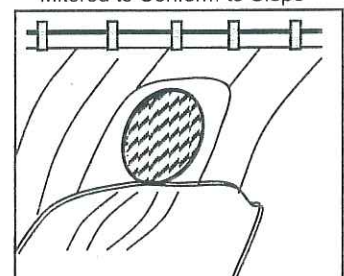
7) Other

Inlet/Outlet Type

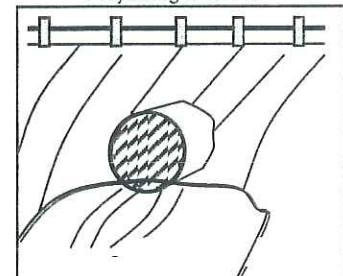
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

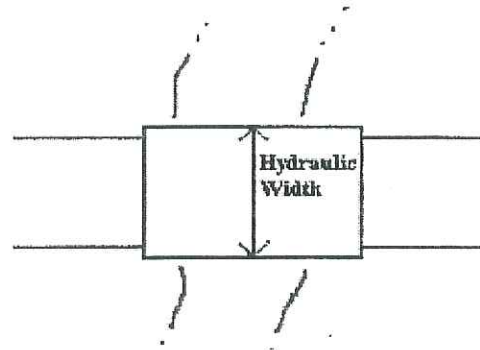
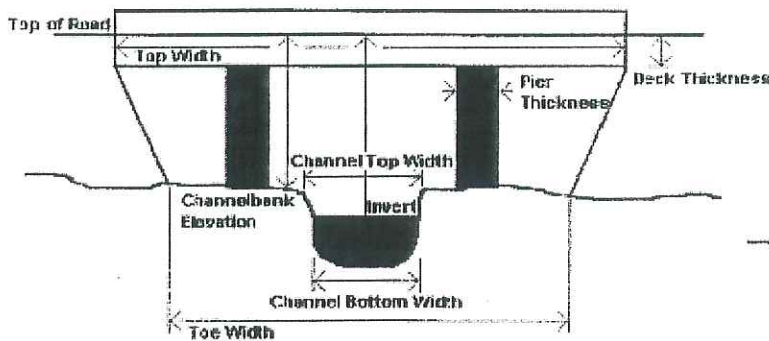


CHANNEL INFORMATION

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
	<p>Looks like CMP was ~ 3' dia.</p> <p>recent excavation ups & d/s attempting to clear channel & crossing</p>	

ADDITIONAL CHANNEL INFORMATION

Land Use

residential + open

Vegetative Cover

brush + trees - mostly willows

Bed Material

sand + silt

General Channel Condition

not well defined, lots of deposition

Banks

none visible - broad channel bordered by
homes + canyon walls

Overbanks

homes, some with walls

STRUCTURE SURVEY TEMPLATE







				DATE	10-20-08
ROAD NAME	Madison			COUNTY	LA
STREAM NAME	Cinquito Cyn			PHOTO ID #	
STRUCTURE #	6	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)		paved chip crossing + grade control			
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			CMP (Corrugated Metal Pipe)		
Pier Shape			Bitumus Coated	Top of Road EL	MES (Mitered End Section) FES (Flared End Section)
Culvert		1) Circular	Steel	From Topo Map (FT.NGVD) or (FT.NAVD)	
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			

Pier Shape

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

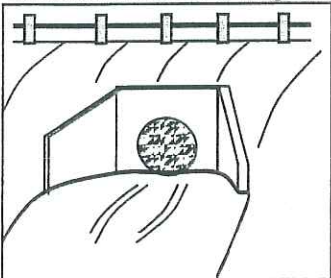


Types (Shape) of Culvert

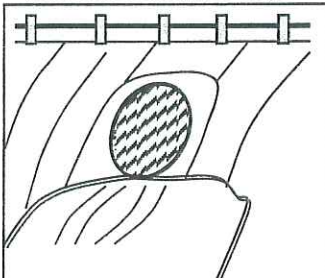
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

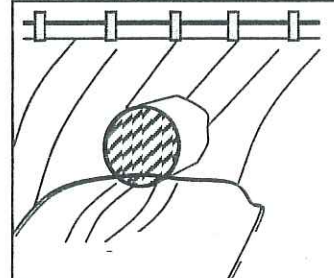
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

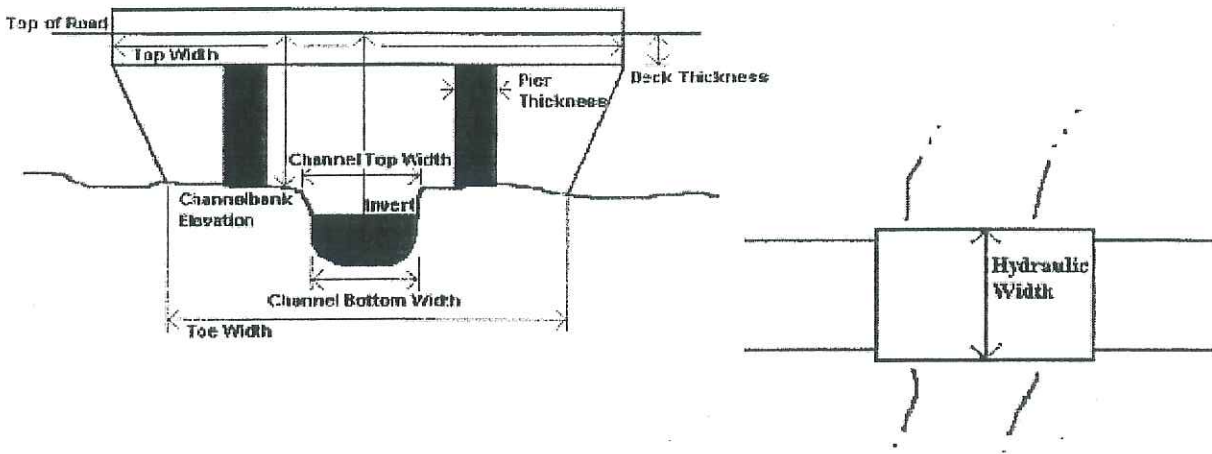


CHANNEL INFORMATION

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	
	<p>cone drop + big rocks</p>	

ADDITIONAL CHANNEL INFORMATION

Land Use

residential

Vegetative Cover

oaks, pines

Bed Material

sand & gravel

General Channel Condition

incised

Banks

vertical + pole & wire

L bank U/S

R bank D/S

Overbanks

residences

STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME	Taylor St			COUNTY	
STREAM NAME	Cinjito Cyn			PHOTO ID #	
STRUCTURE #	7		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)


paved dip crossing - small drop d/s, some rocks

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°, 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	From Topo Map (FT.NGVD) or (FT.NAVD)	FES (Flared End Section)
Riser Barrel	4) Con/Span	Clay		
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

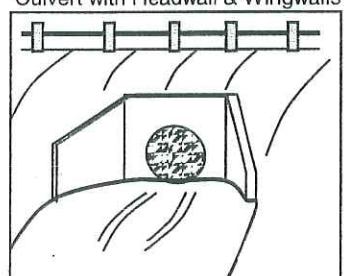

 5) Elevated Arch


 6) Pipe Arch

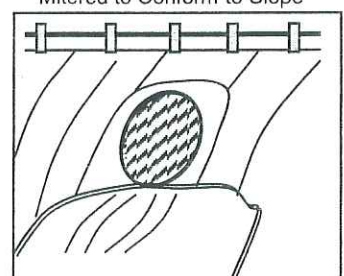
7) Other

Inlet/Outlet Type

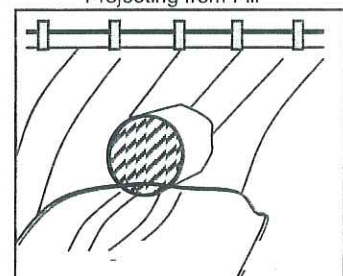
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

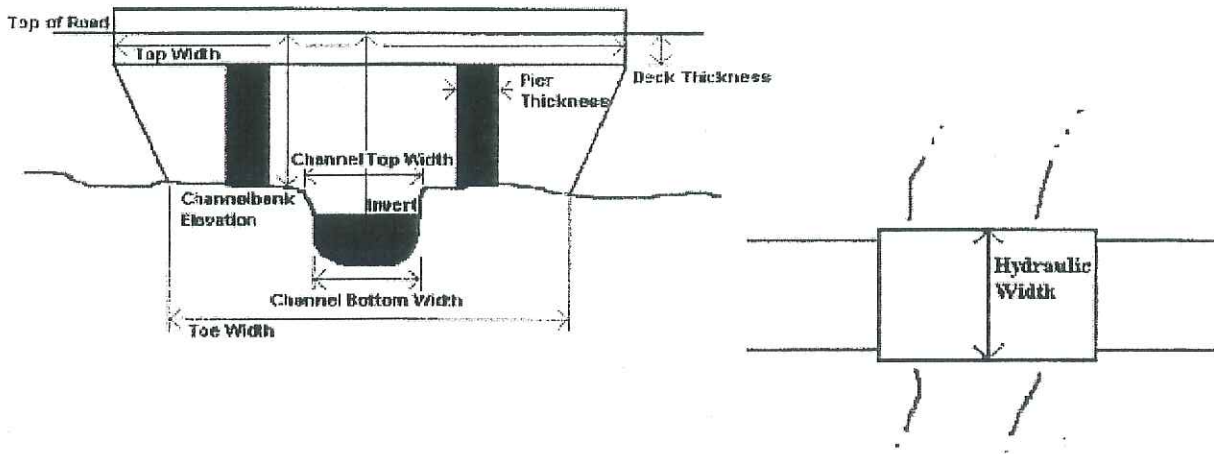


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



PHOTOS		
Name	Description	PHOTOS
		<p>A hand-drawn sketch of a road cross-section. It shows a horizontal line representing the road surface. Above the line, the word 'Asphalt' is written in purple. Below the line, the word 'Conc' is written in purple. Below 'Conc', the word 'Rocks' is written in purple. There are also some scribbles and lines representing the road's profile.</p>

ADDITIONAL CHANNEL INFORMATION

residential + open

Land Use

oak trees

Vegetative Cover

sand, gravel + cobbles

Bed Material

winding, generally clear

General Channel Condition

vertical, pole + wire on R d/s - ill-defined v/s

Banks

residential + open lot (on L d/s)

Overbanks

canyon walls on L v/s

brush + trees on R
v/s + d/s

STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME	Chiquito Cyn Rd 2			COUNTY	
STREAM NAME	Chiquito Cyn			PHOTO ID #	
STRUCTURE #	8	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)		clear span bridge 27' W x 5'4" H			
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

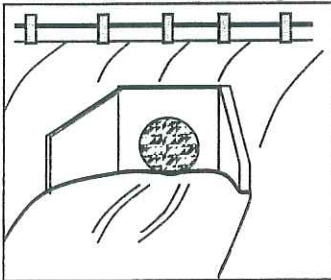


Types (Shape) of Culvert

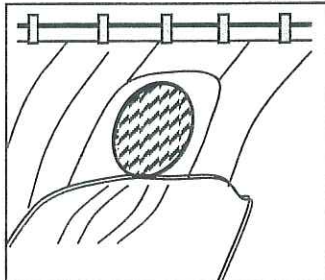
- | | | |
|-------------|------------------|---------------|
| | | |
| 1) Circular | 2) Rectangle | 3) Elliptical |
| | | |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

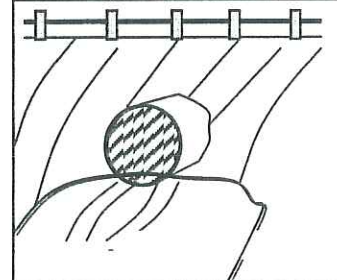
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

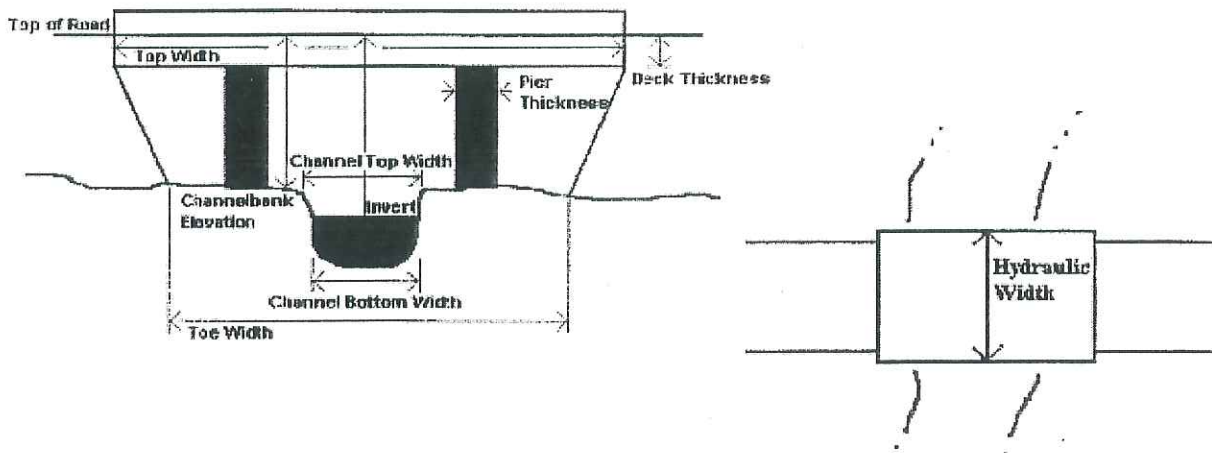


CHANNEL INFORMATION

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	PHOTOS
		<p>conc lined chute $\frac{1}{3}$ earth lined $\frac{2}{3}$</p>

ADDITIONAL CHANNEL INFORMATION

residential + open

Land Use

Some trees, oaks + eucalyptus

Vegetative Cover

local cone (mang), sand + gravel vs $\frac{1}{2}$ ds

Bed Material

clear

General Channel Condition

pole + wire (~3' tall) vs, on L bank P/s (ds is an abrupt bend to the L)

Banks

residential + roads + open

Overbanks

STRUCTURE SURVEY TEMPLATE







				DATE	11-20-08
ROAD NAME	Wooden foot bridge			COUNTY	
STREAM NAME	Chiquito Cr.			PHOTO ID #	
STRUCTURE #	9	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)		wooden arch - clear span see drawing			
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

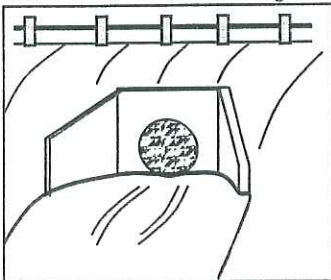


Types (Shape) of Culvert

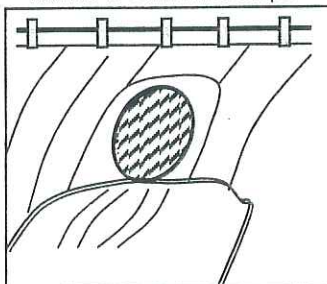
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

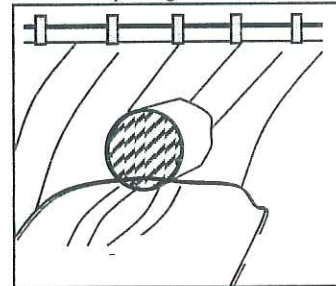
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

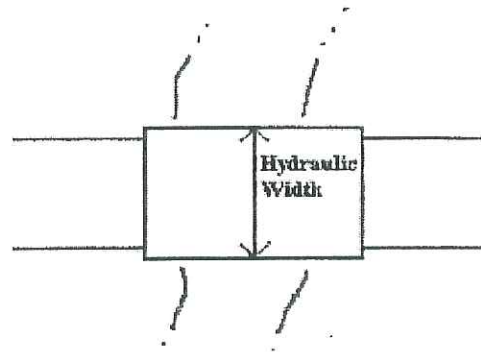
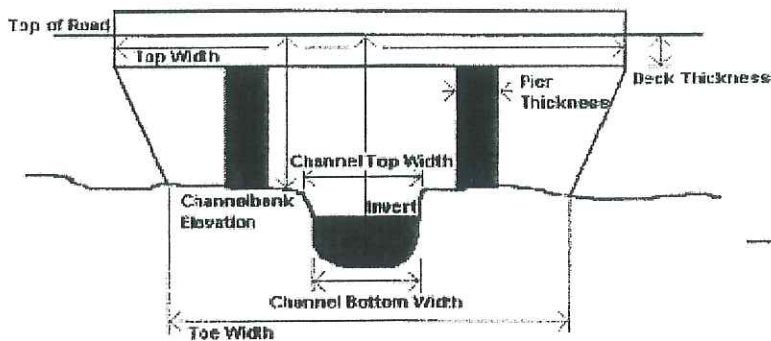


CHANNEL INFORMATION

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
	<p>19" 11'4" broken pole + wire...</p>

ADDITIONAL CHANNEL INFORMATION

Land Use
park + school

Vegetative Cover
trees - pines + oaks

Bed Material
sand + gravel

General Channel Condition
incised

Banks
pole & wire on L, vertical wooden work on R.

Overbanks
park + parking lot.

note: bridge is perched above
surrounding ground. -

STRUCTURE SURVEY TEMPLATE

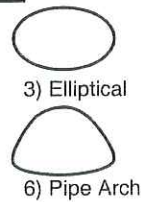
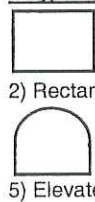
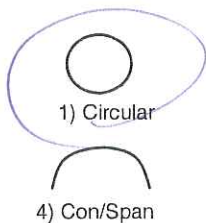
				DATE	11-20-08
ROAD NAME	Parker Ave.			COUNTY	LA
STREAM NAME	Chiquito Crn			PHOTO ID #	
STRUCTURE #	10	X,Y COORDINATE			
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		3 rcp's + D/S drops			
HIGH WATER MARK (Description, Witness, and Date)		2-4.5' deep, 1-6'-dia.			
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 3 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) Bitumus Coated Steel 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



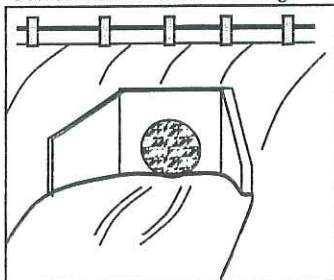
Types (Shape) of Culvert



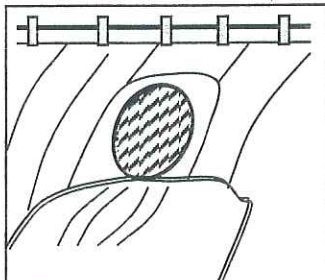
7) Other

Inlet/Outlet Type

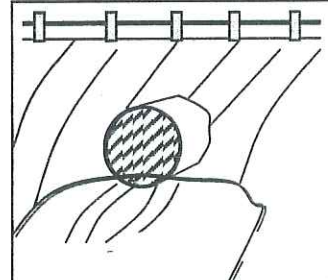
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

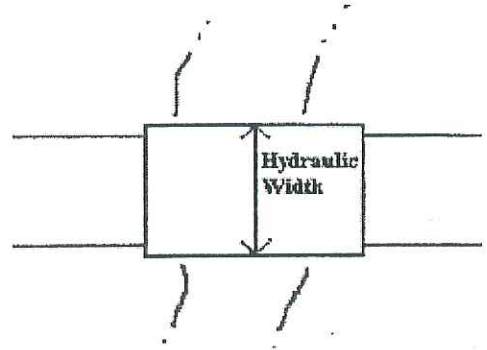
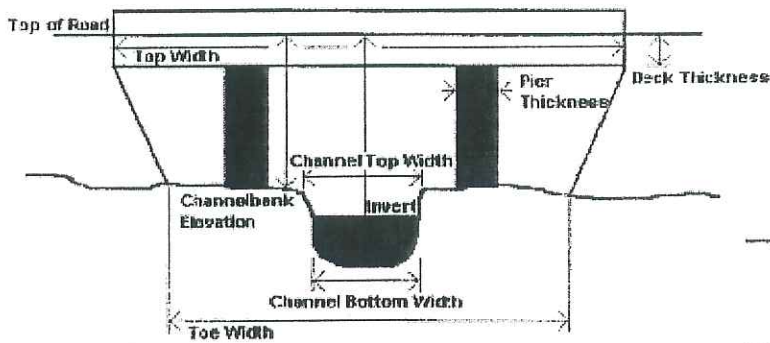


CHANNEL INFORMATION

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	PHOTOS
		<p>Hand-drawn sketches of bridge components. The left sketch shows three circular piers with diameters of 4.5', 6', and 4.5'. The right sketch shows a cross-section of a pier with dimensions 1'9" and 2'9", and the text 'conc + steel'.</p>

ADDITIONAL CHANNEL INFORMATION

school

Land Use

variety of trees

Vegetative Cover

sand to cobbles

Bed Material

clear, incised

General Channel Condition

pole + wire banks, vertical, $\frac{7}{8}$
vertical rock walls $\frac{4}{5}$

Banks

parking lot + school.

Overbanks

entry to culverts $\frac{4}{5}$
somewhat blocked
with broken concrete.

STRUCTURE SURVEY TEMPLATE







				DATE	11-20-08
ROAD NAME	Kensington Rd			COUNTY	LA
STREAM NAME	Chiquito Cyn			PHOTO ID #	
STRUCTURE #	11		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)		paved dip with grout-lined drop d/s			
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) Bitmus Coated		
Pier Shape		2) Rectangle (Span X Rise)	Steel	From Topo Map (FT.NGVD) or (FT.NAVD)	
Culvert		3) Elliptical	Timber		
Dam		4) Con/Span	Ductile		
Spillway		5) Elevated Arch	Clay		
Riser Barrel		6) Pipe Arch	Masonry Rock		
Outlet		7) Other			

Pier Shape

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

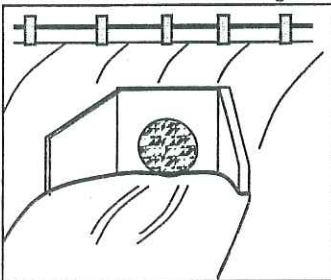


Types (Shape) of Culvert

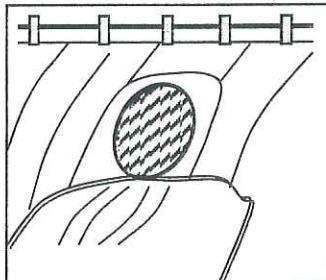
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

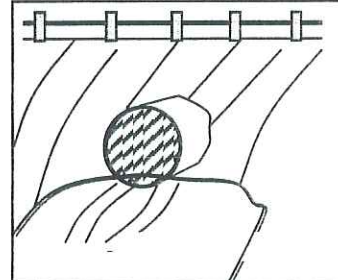
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

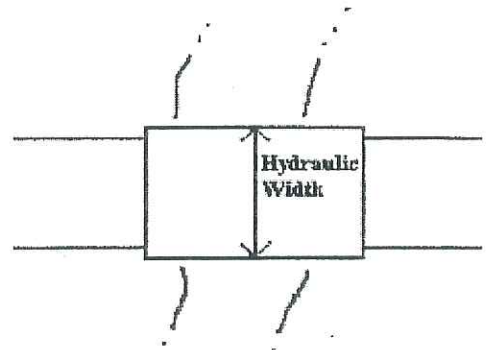
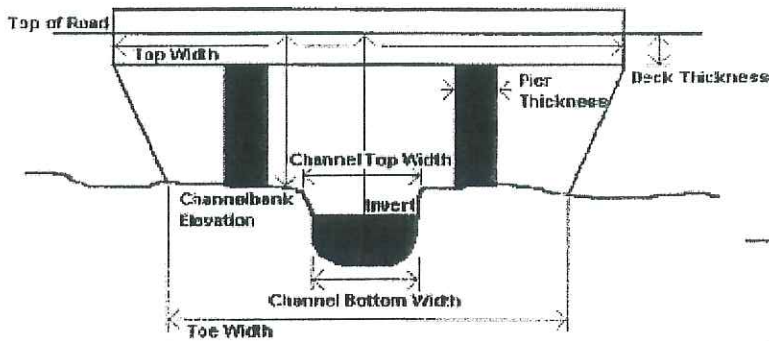


CHANNEL INFORMATION

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	
		<p>A hand-drawn sketch of a bridge structure. The bridge deck is labeled 'asphalt' and the approach area is labeled 'gravel'. The sketch shows a cross-section of the bridge with a central pier and sloping approach areas.</p>

ADDITIONAL CHANNEL INFORMATION

residential

Land Use

frass - oaks + willows, more v/s

Vegetative Cover

sand + gravel

Bed Material

incised, especially d/s

General Channel Condition

vertical banks, sporadic rock wall seal
(large rock riprap on banks v/s) pole + wire

Banks

residences.


Overbanks

STRUCTURE SURVEY TEMPLATE


				DATE	11-20-08
ROAD NAME	San Martinez Rd (at intersection w/ Paradise Rd)			COUNTY	LA
STREAM NAME	Cinquito Crn			PHOTO ID #	
STRUCTURE #	12		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)		clear span bridge 18' wide x 3'10" tall			
HIGH WATER MARK (Description, Witness, and Date)		(at the bottom)			
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			CMP (Corrugated Metal Pipe) Bitumus Coated		
Pier Shape			Steel	From Topo Map (FT.NGVD) or (FT.NAVD)	
Culvert		1) Circular	Timber		
Dam		2) Rectangle (Span X Rise)	Ductile		
Spillway		3) Elliptical	Clay		
Riser Barrel		4) Con/Span	Masonry Rock		
Outlet		5) Elevated Arch			
		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




4) Con/Span




2) Rectangle



5) Elevated Arch



3) Elliptical

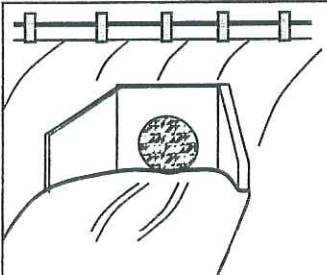


6) Pipe Arch

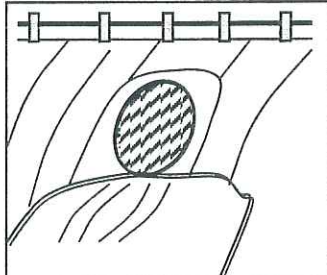
7) Other

Inlet/Outlet Type

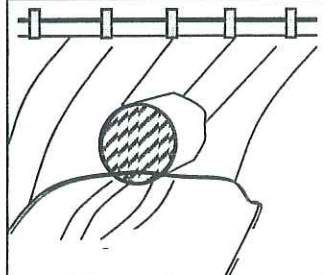
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

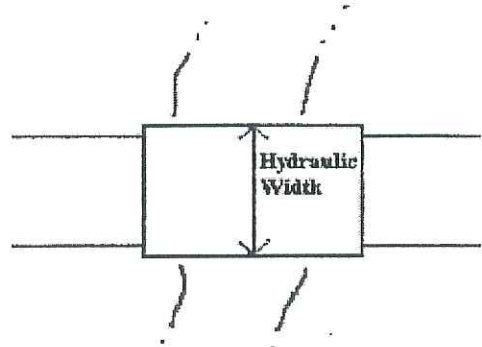
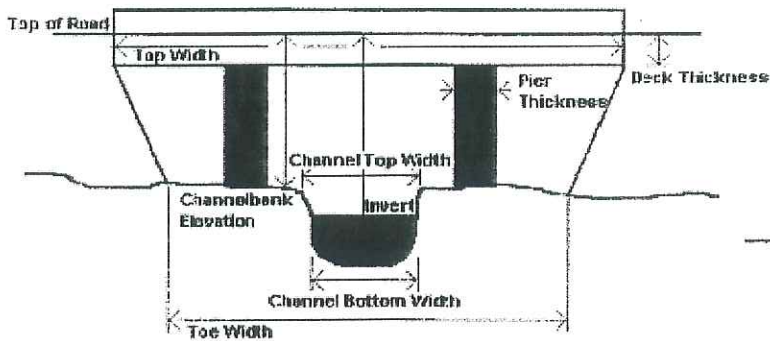


CHANNEL INFORMATION

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
		<p>conc. wing walls 4/5</p> <p>A hand-drawn sketch of a bridge structure. It shows a central pier and two wing walls. The dimensions are: 29" for the pier height, 3' 10" for the pier width, and 18' for the total width of the bridge structure.</p>

ADDITIONAL CHANNEL INFORMATION

Land Use

residential

Vegetative Cover

trees - oaks + eucalyptus + etc.

Bed Material

sand to cobbles

General Channel Condition

pretty clear

Banks

buried pole + wire on L bank, v/s
veg/tree banks P/s

Overbanks


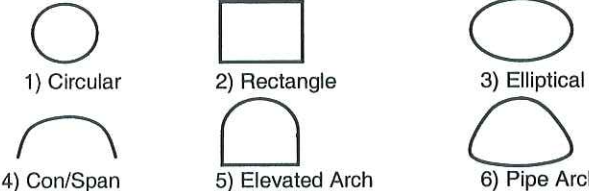
residential

Culvert is diagonal across road.

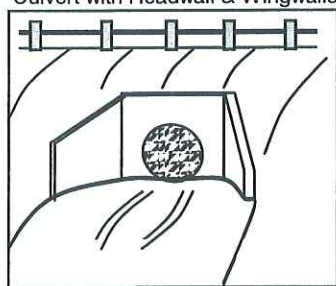
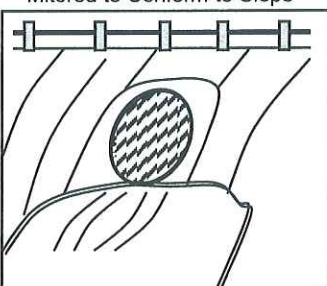
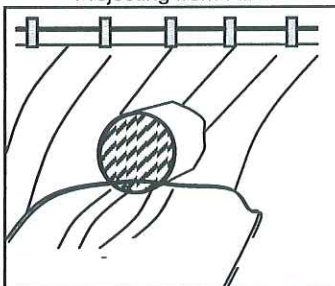
STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME	Verdale Ave			COUNTY	CA
STREAM NAME	Cinquito Cyn			PHOTO ID #	
STRUCTURE #	13	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)		10'8" x 28" box culvert with conc lined inlet chute.			
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	
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Inlet/Outlet Type

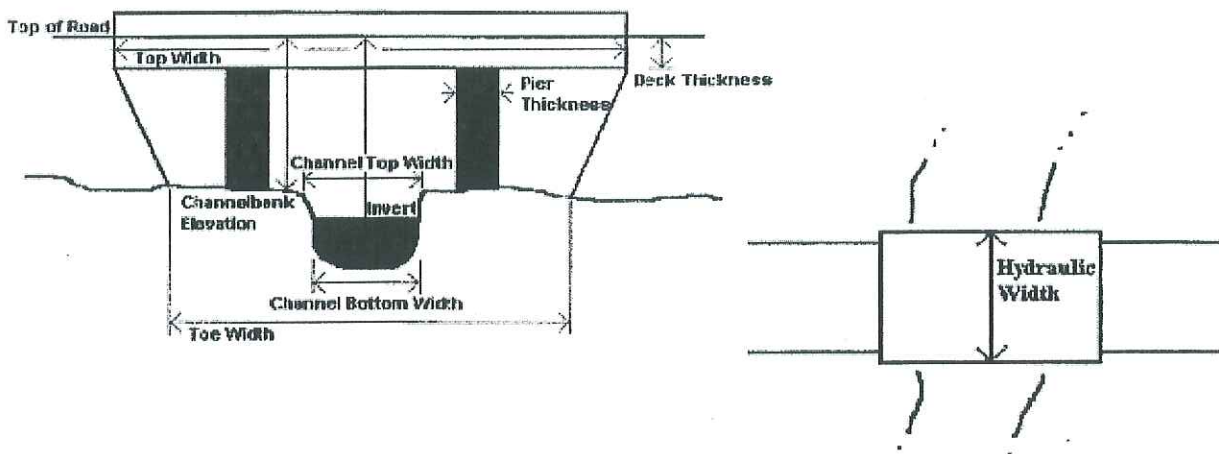
Culvert with Headwall & Wingwalls 	Mitered to Conform to Slope 	Projecting from Fill 
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CHANNEL INFORMATION

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	
		<p>A hand-drawn sketch of a rectangular bridge pier. The overall width is labeled as 10' 8". The top width is labeled as 16". The height of the pier is labeled as 1' 5". The bottom width is labeled as 20".</p>

ADDITIONAL CHANNEL INFORMATION

residential + ranch

Land Use

fields - pepper mostly

Vegetative Cover

sand + gravel, conc lined inlet chute

Bed Material

fairly clear

General Channel Condition

bushy ~ 1:1

Banks

open lots, residences, road, ranches..

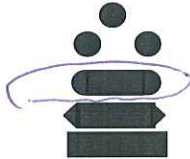
Overbanks

STRUCTURE SURVEY TEMPLATE







				DATE	11-20-08
ROAD NAME	Delwood St near Vedito Pl			COUNTY	LA
STREAM NAME	Cmquito Cyn			PHOTO ID #	
STRUCTURE #	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)		dbl 9'w x 81" H culvert big drop D/S			
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 <u>2</u> 1) Circular <u>9' 81"</u> 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 <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

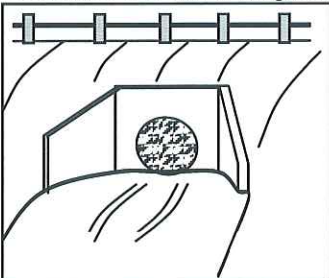


Types (Shape) of Culvert

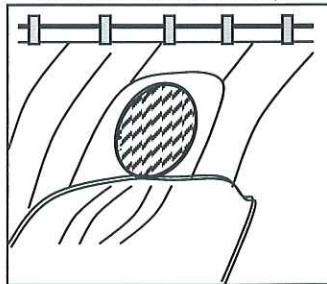
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

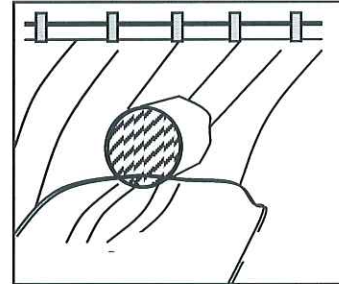
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

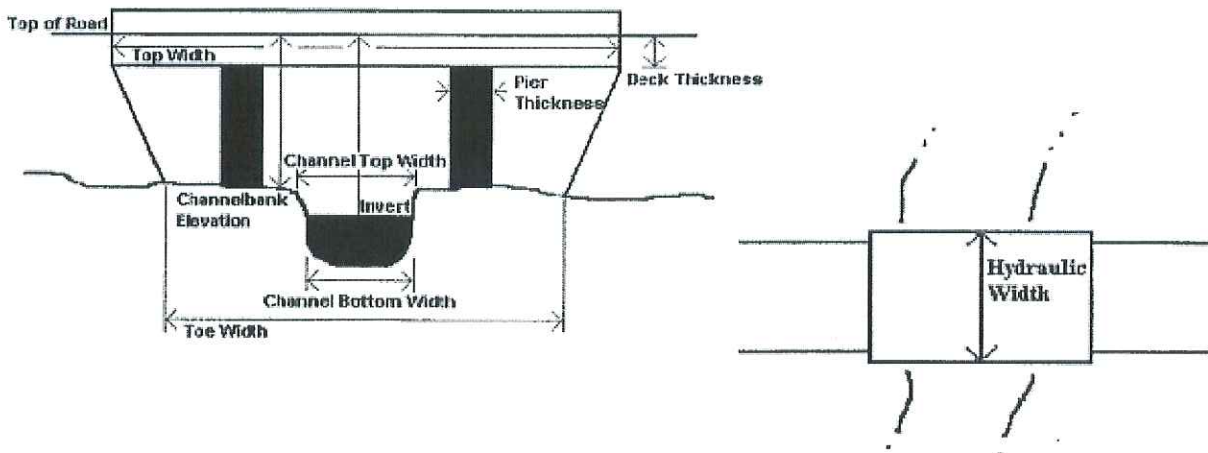


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



		PHOTOS
Name	Description	
		<p>A hand-drawn sketch in blue ink showing a cross-section of a bridge pier and wing walls. The pier is a vertical rectangle with a width of 9 feet and a height of 8 feet. The wing walls are sloped structures on either side. A vertical dimension of 4 feet is shown for the top part of the wing wall. The word 'wingwalls' is written in cursive. The word 'sand' is written at the base of the pier. A label '9" pier' points to the pier's width. The sketch is drawn on a background of a road and channel cross-section from the previous diagram.</p>

ADDITIONAL CHANNEL INFORMATION

Land Use

open + residential

Vegetative Cover

trees, more-so d/s

Bed Material

sand + gravel

General Channel Condition

fairly clear

Banks

pole + wire + walls (vertical) d/s
earthm banks ~ 2:1 u/s

Overbanks

open + residential u/s
residential d/s

STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08	
ROAD NAME			San Martinez		COUNTY	LA
STREAM NAME			Chiquito Crr		PHOTO ID #	
STRUCTURE #		15		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)			clear span bridge 90° angle to ups flow			
HIGH WATER MARK (Description, Witness, and Date)			17' W x 5' 3" tall			
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	
<u>Span Bridge</u>		1	CMP (Corrugated Metal Pipe)		Wingwalls Type 0°, 45°, 90°	
Pier Shape			Bitmus Coated	Top of Road EL	Projecting	
Culvert		1) Circular	Steel		Flush with Slope	
Dam		2) Rectangle (Span X Rise)	Timber	From Topo Map (FT.NGVD) or (FT.NAVD)	MES (Mitered End Section)	
Spillway		3) Elliptical	Ductile		FES (Flared End Section)	
Riser Barrel		4) Con/Span	Clay			
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

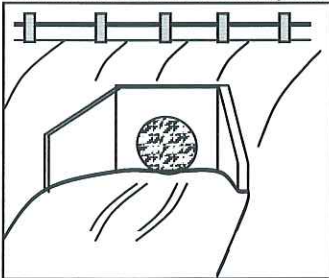


Types (Shape) of Culvert

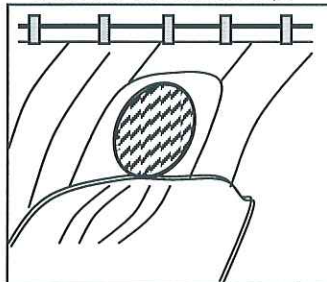
- 1) Circular
- 2) Rectangle
- 3) Elliptical
- 4) Con/Span
- 5) Elevated Arch
- 6) Pipe Arch
- 7) Other

Inlet/Outlet Type

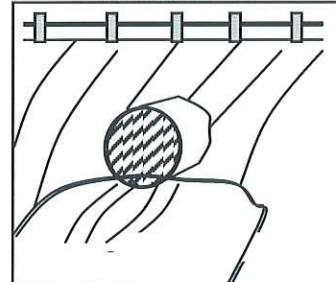
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

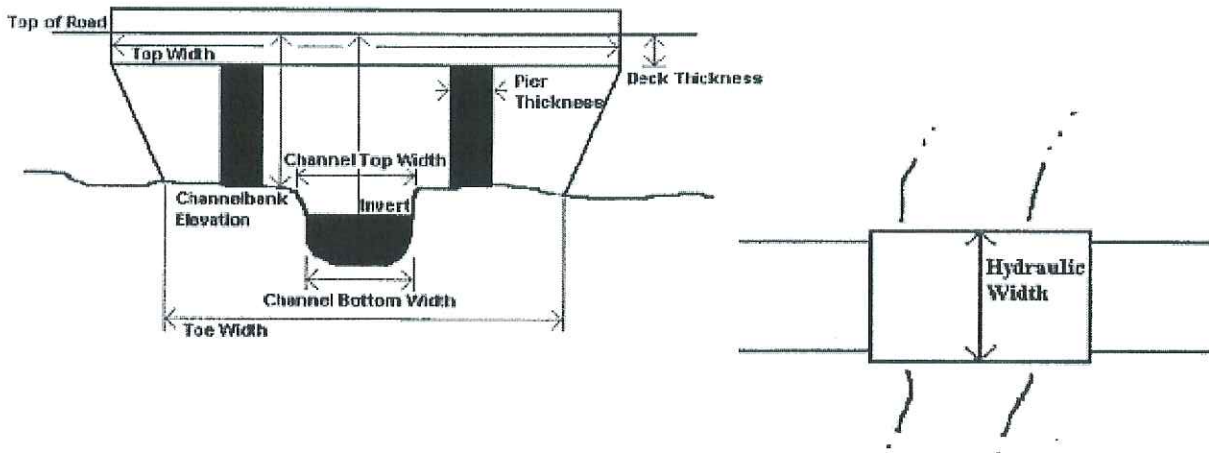


CHANNEL INFORMATION

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
		<p>23" 5' 3" 17'</p>
		<p>abrupt change in flow dir.</p>

ADDITIONAL CHANNEL INFORMATION

Land Use

open

some ^{mulefoot} brush + trees - oaks, sycamore, +

Vegetative Cover

sand to cobbles

Bed Material

windy, some brush

General Channel Condition

~ 1:1 earth

Banks

open

Overbanks