STRUCTURE SURVEY TEMPLATE

				DATE	11-8-08
ROAD NAME	Commerce Center Dr 2			COUNTY	CA
STREAM NAME	Hasley Cyn			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)	Bridge with 1 pier - see plans for bridge + channel				
HIGH WATER MARK (Description, Witness, and Date)	note: for crossing No: 1 - see Castaic Cr #2				

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)	

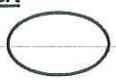
Pier Shape

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

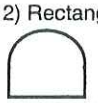
Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

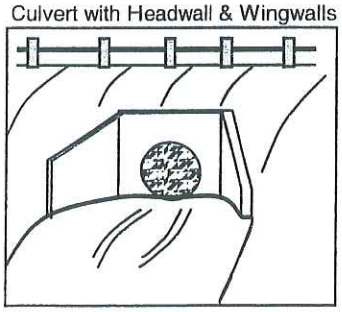

5) Elevated Arch


6) Pipe Arch

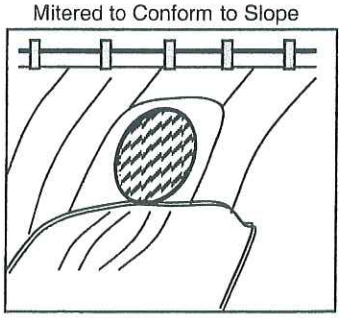
7) Other

Inlet/Outlet Type

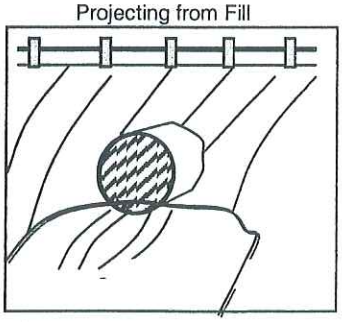
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

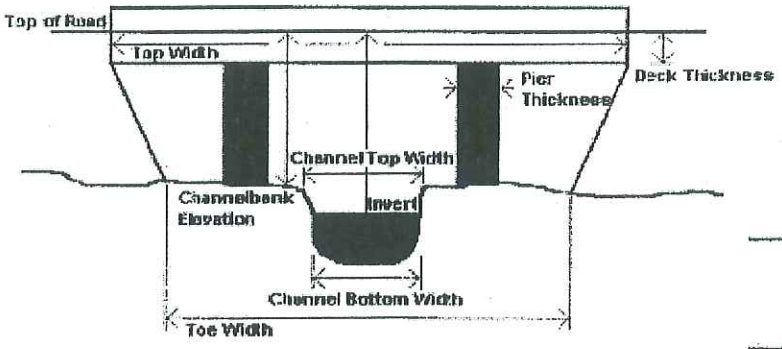


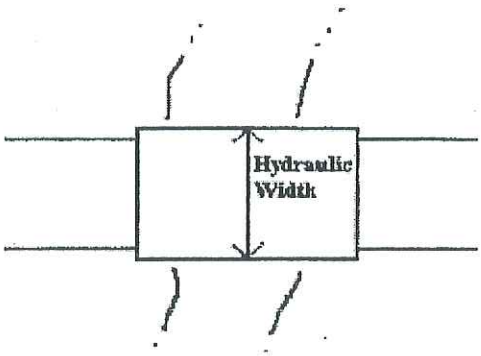
CHANNEL INFORMATION

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
	Channel is soft bottom with conc or soil-cement drops - see plans
	Channel bottom appears to have accumulated sediment - drops are almost buried.

ADDITIONAL CHANNEL INFORMATION

Land Use: industrial

Vegetative Cover: some trees + brush

Bed Material: sand + gravel

General Channel Condition: mostly good, sed. accumulation evident – check against design plans

Banks: engineered - 1.5:1? – conc or soil cement

Overbanks: higher slope, then development.

note: channel is filled with willows d/s of flus X ing.

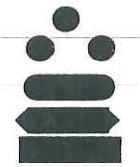
STRUCTURE SURVEY TEMPLATE

				DATE	11.20.08
ROAD NAME	Del Valle			COUNTY	C.A.
STREAM NAME	Hasley Cyn			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)	paved dip crossing grouted rock drop – very long.				
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			

Pier Shape

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



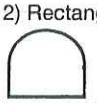
Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

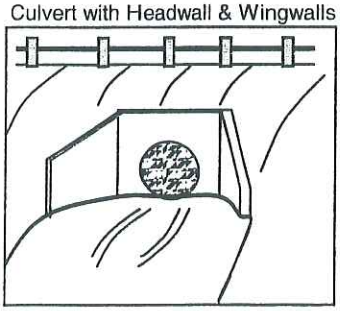

5) Elevated Arch


6) Pipe Arch

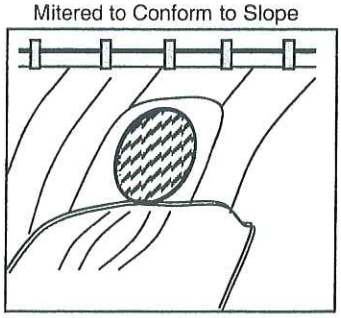
7) Other

Inlet/Outlet Type

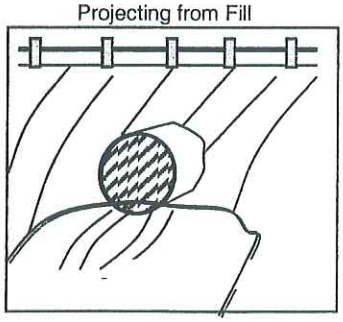
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

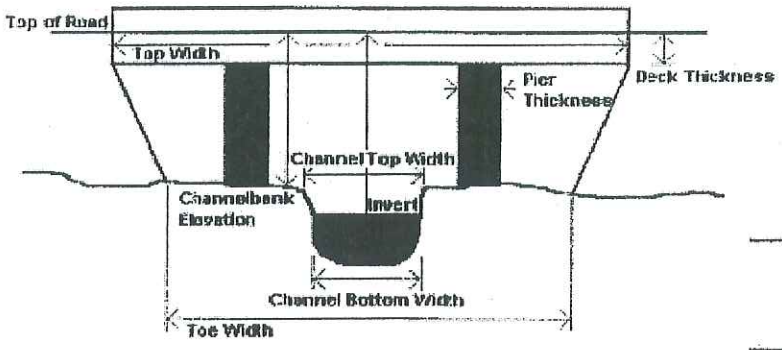


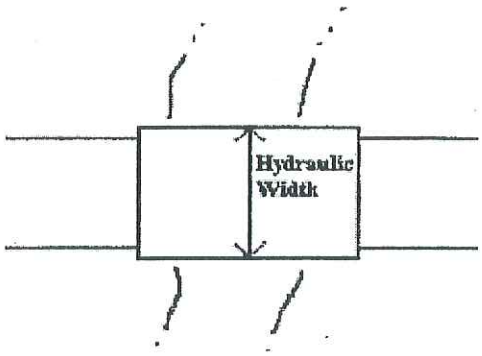
CHANNEL INFORMATION

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
	Channel is improved d/s

ADDITIONAL CHANNEL INFORMATION

Land Use: open + mixed oil commercial

Vegetative Cover: open

Bed Material: sand + gravel

General Channel Condition: open & incised d/s of drop
wide & leveled with piles of sediment u/s

Banks: incised - vertical low channel | d/s
rock bank on R. side
u/s = piles of sediment

Overbanks: flat / light brush + oil tanks u/s
& commercial -

new: horse trail on r side
mowed road on L side | d/s

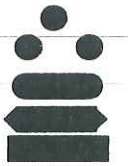
STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME	Romero Cyn Rd			COUNTY	L.A.
STREAM NAME	Haslem 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)	5 cell culvert w/ brg drop d/s 12 x 8 ea				
HIGH WATER MARK (Description, Witness, and Date)	conc lined chute u/s				

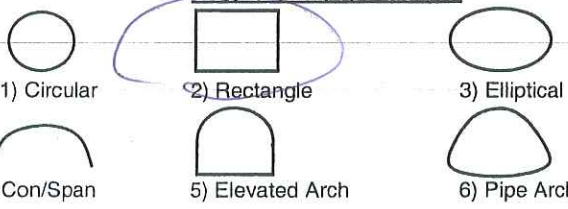
TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge	Number of Barrels 5	RCP (Reinforced Concrete Pipe)		Headwall
Span Bridge		CMP (Corrugated Metal Pipe)	Height from Top of	Wingwalls Type 0°, 45°, 90°
Pier Shape	1) Circular 12' 8'	Bitmus Coated	Road to Invert	Projecting
Culvert	2) Rectangle (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

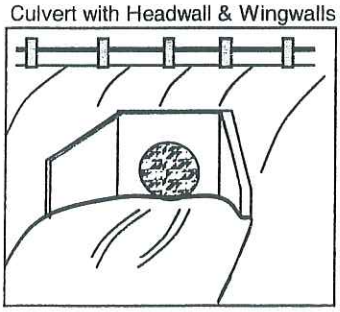


Types (Shape) of Culvert

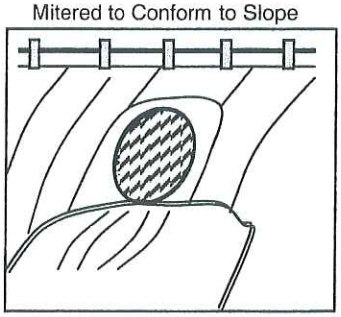


Inlet/Outlet Type

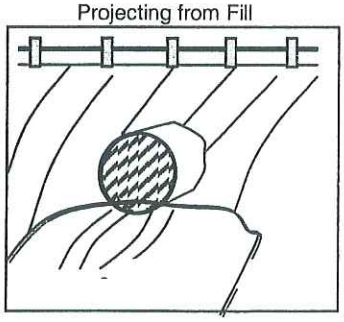
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

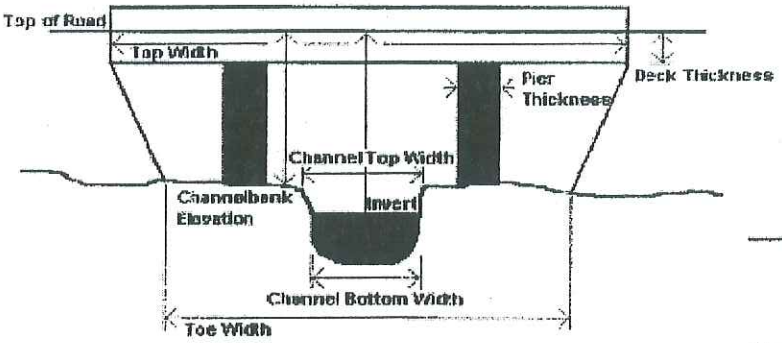


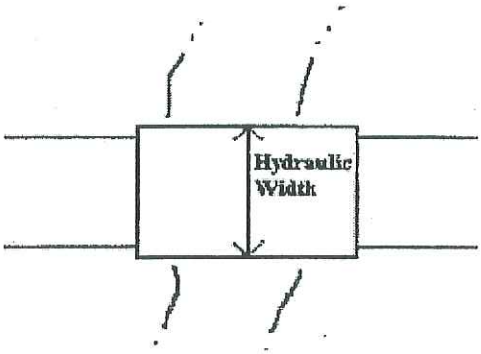
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

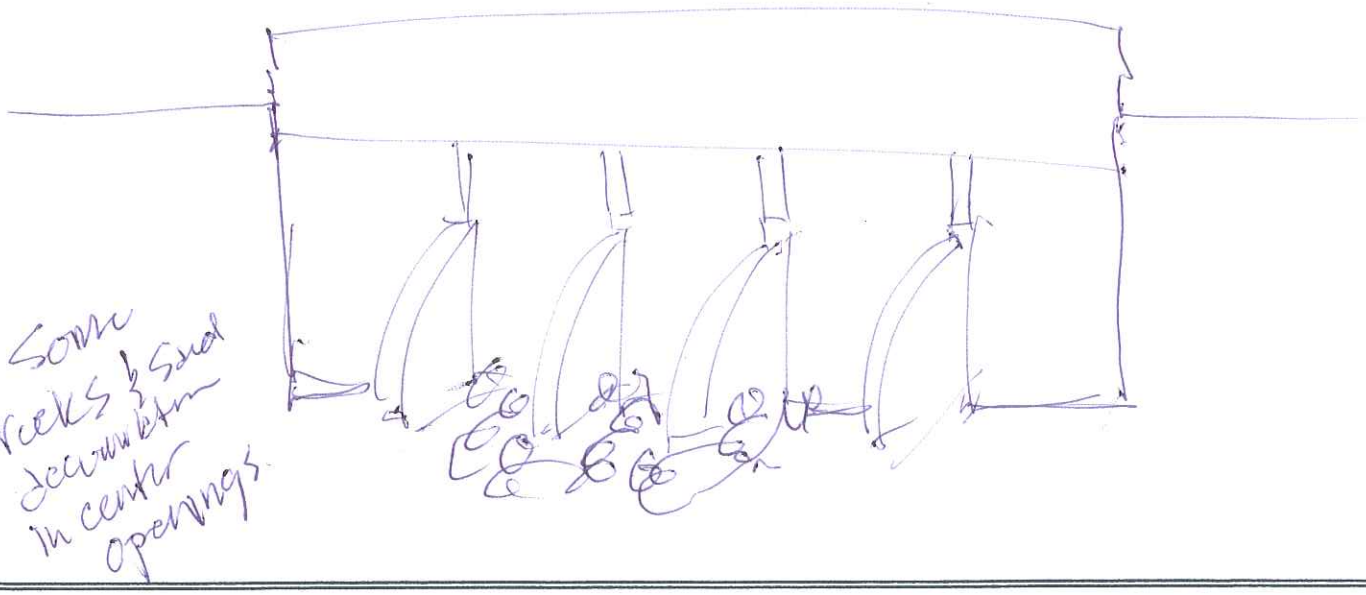




PHOTOS

Name

Description



Some rocks & sand accumulation in center openings

ADDITIONAL CHANNEL INFORMATION

residential + ranch

Land Use

some trees u/s

Vegetative Cover

cobbles

Bed Material

fairly clear

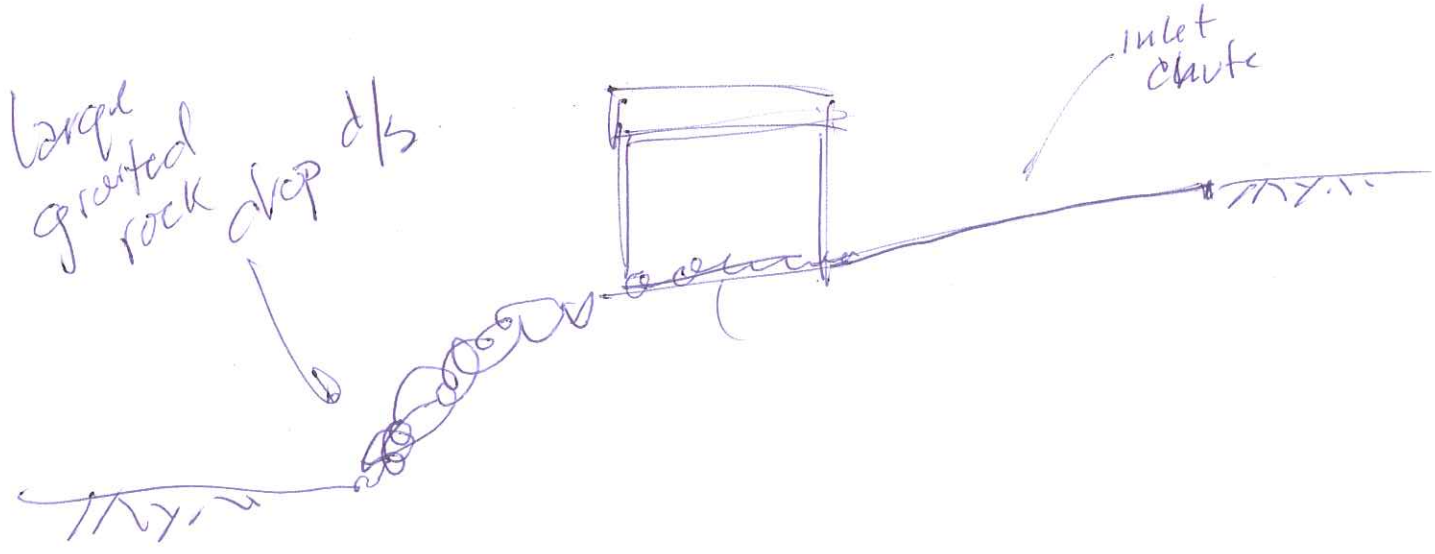
General Channel Condition

conc lined u/s - inlet chute / natural crn above & below

Banks

developed / open

Overbanks



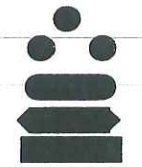
STRUCTURE SURVEY TEMPLATE

				DATE	11·20·08
ROAD NAME	Cellmore			COUNTY	L.A.
STREAM NAME	Hasley 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)	small pipes - U/S = 1 50" cast iron pipe d/s = 1-36", & 1-24"				
HIGH WATER MARK (Description, Witness, and Date)	— mystery in between...				

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°, 45°, 90°
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


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

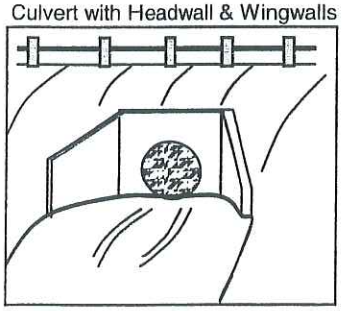

5) Elevated Arch


6) Pipe Arch

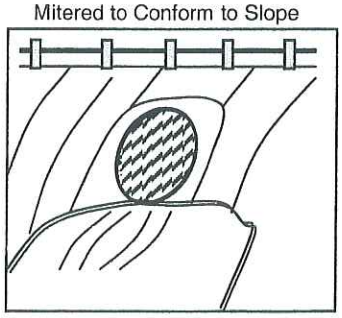
7) Other

Inlet/Outlet Type

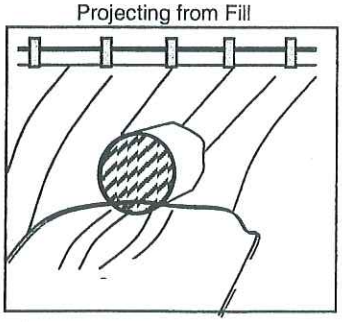
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

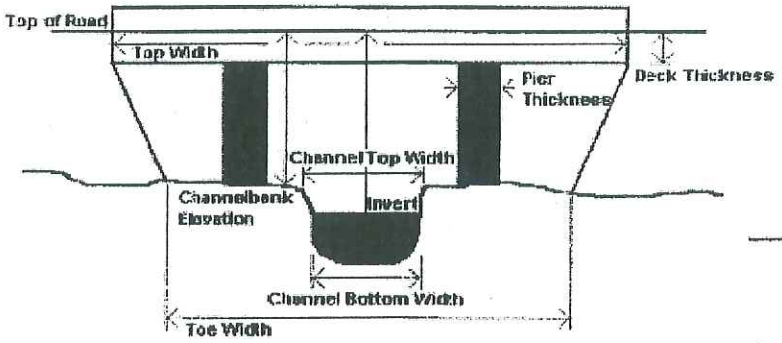


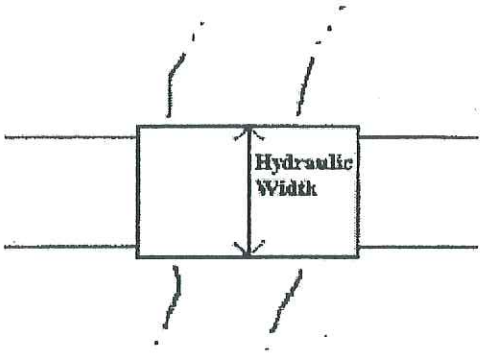
CHANNEL INFORMATION

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

Ranches + open

Land Use

oak trees

Vegetative Cover

cobbles + sand

Bed Material

dinky -- not much capacity

General Channel Condition

variable -- some brick lining on L. side D/S

Banks

Rudes / hillside...

Overbanks

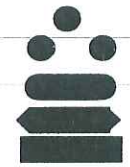
STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME	Burlwood Dr			COUNTY	LA
STREAM NAME	Hasley 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)	2 - arches (or ½ filled pipes)				
HIGH WATER MARK (Description, Witness, and Date)	∩ ∩ 7' wide, 4' tall				

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



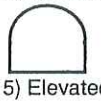
Types (Shape) of Culvert

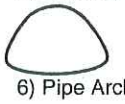

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

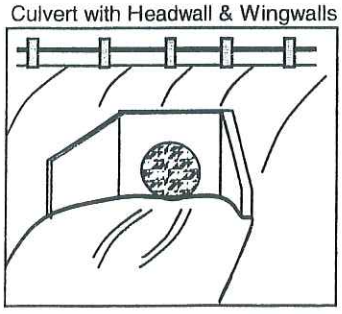

5) Elevated Arch


6) Pipe Arch

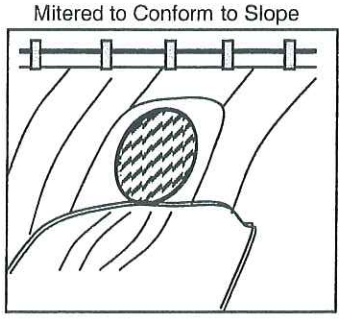
7) Other

Inlet/Outlet Type

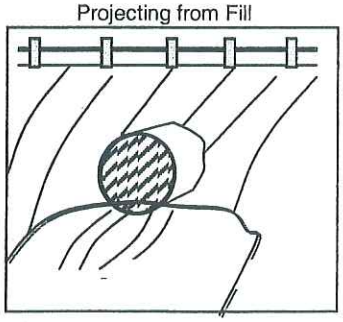
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

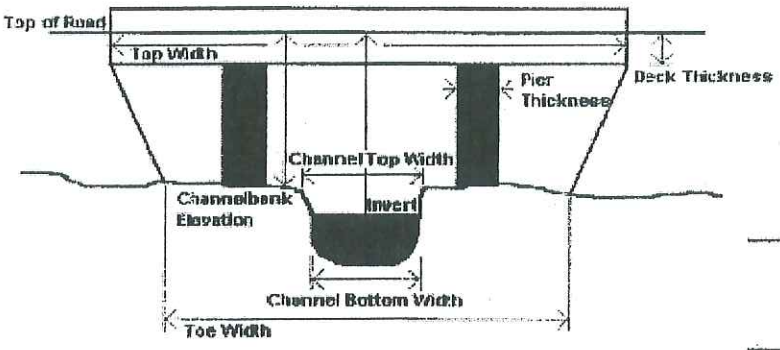


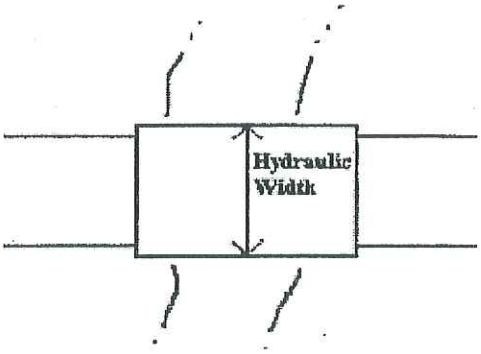
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

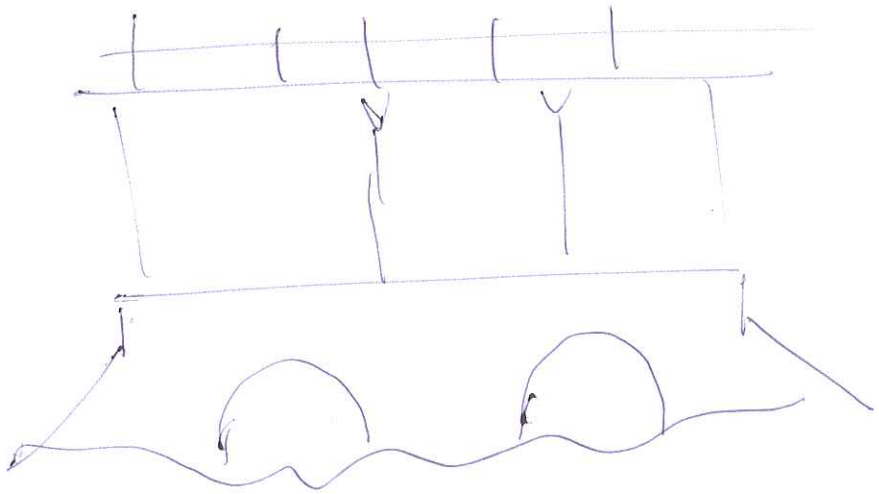
DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





PHOTOS

Name **Description**



ADDITIONAL CHANNEL INFORMATION

Land Use: ranches

Vegetative Cover: oaks

Bed Material: cobbles - sand

General Channel Condition: windy, incised - lots of capacity here.

Banks: steep, earthen

Overbanks: ranches

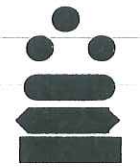
STRUCTURE SURVEY TEMPLATE

				DATE	11-20-08
ROAD NAME				COUNTY	LA
STREAM NAME	Hasley 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)	U/S not accessable - private 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)		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)	

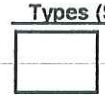
Pier Shape

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



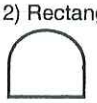
Types (Shape) of Culvert


1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

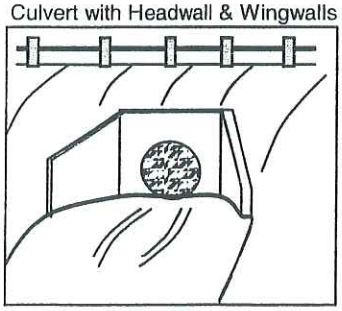

5) Elevated Arch


6) Pipe Arch

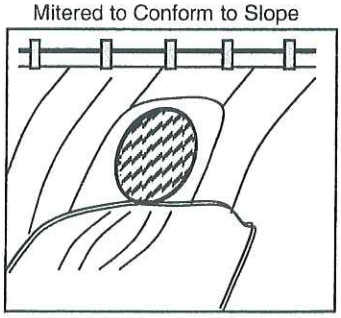
7) Other

Inlet/Outlet Type

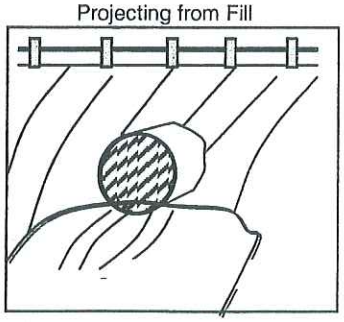
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

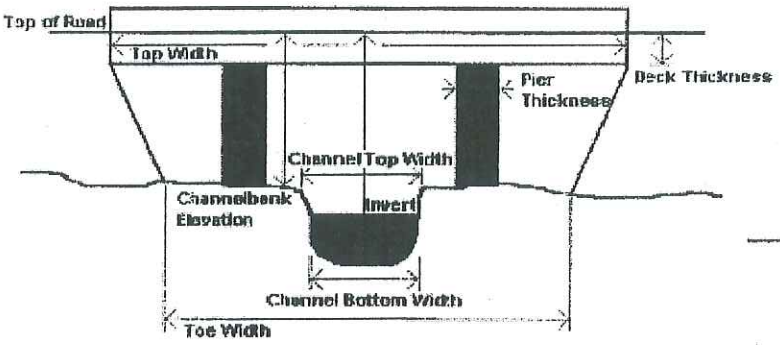


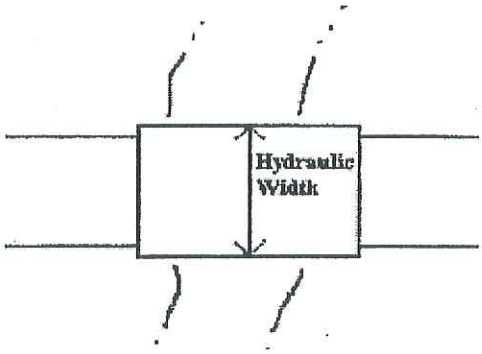
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





PHOTOS

Name	Description

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks