STRUCTURE SURVEY TEMPLATE

				DATE	3/4/08
ROAD NAME	North Bank Dr.			COUNTY	
STREAM NAME				PHOTO ID #	
STRUCTURE #	SB 88		X, Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		30' x 8'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	There is a large (24"Φ) pipe under the bridge limiting clearance to 8' from channel bottom				
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

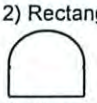
Types (Shape) of Culvert

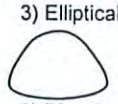

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

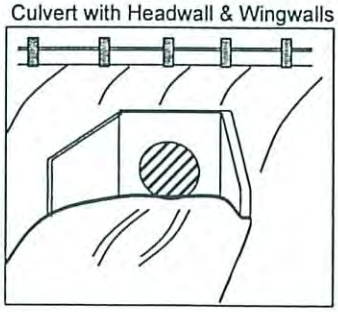

5) Elevated Arch


6) Pipe Arch

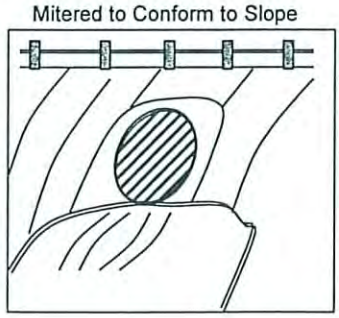
7) Other

Inlet/Outlet Type

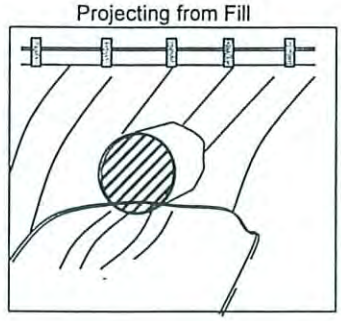
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

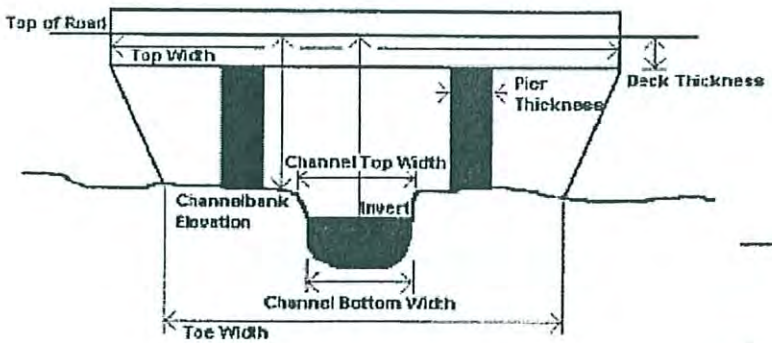


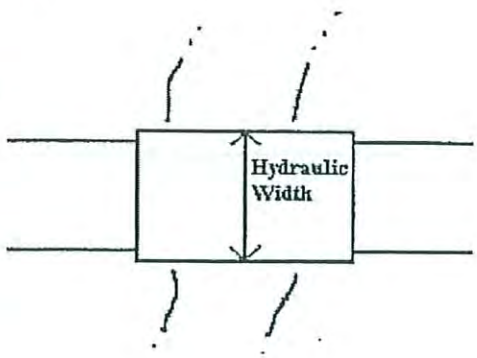
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





PHOTOS

Name	Description
01	u/s side of culvert looking d/s
02	d/s side of bridge looking d/s at baffels.
03	d/s side of bridge looking u/s

ADDITIONAL CHANNEL INFORMATION

Land Use

dense vegetation (brush + grasses) @ confluence w/ SCR

Vegetative Cover

sand + gravel

Bed Material

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

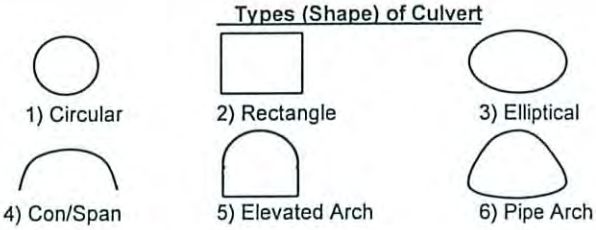
				DATE	3/5/08
ROAD NAME				COUNTY	
STREAM NAME	Sudden Barranca			PHOTO ID #	
STRUCTURE #	SB 89		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	We started @ the d/s end, so SB89 is the furthest d/s on Sudden Barranca				
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

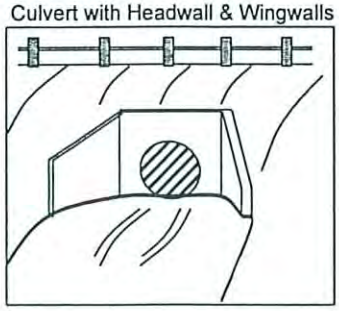
Types (Shape) of Culvert



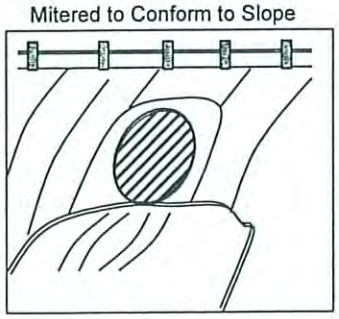
7) Other

Inlet/Outlet Type

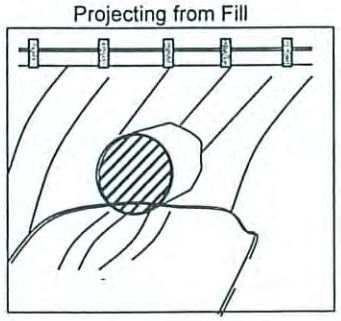
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

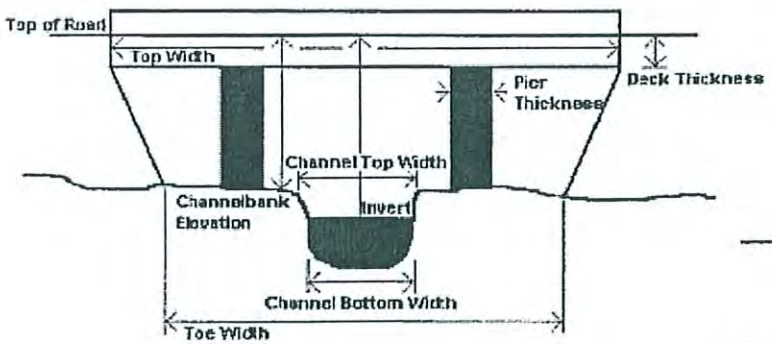


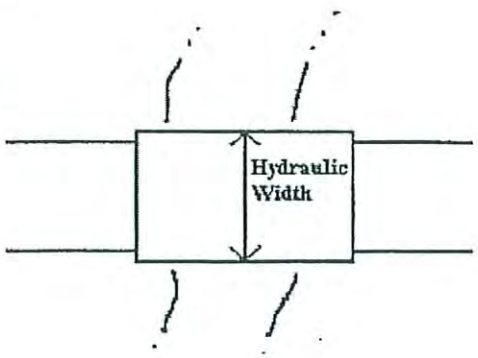
CHANNEL INFORMATION

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
79	d/s side of drop structure d/s of RR.
80	channel d/s of drop structure looking d/s.

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Sand + cobble $d_{50} \sim 6''$

Bed Material

General Channel Condition

Trapezoid channel sand + gravel banks

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/5/08
ROAD NAME	RR			COUNTY	
STREAM NAME	Sudden Branch			PHOTO ID #	
STRUCTURE #	SB90		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		8' x 7'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)					
HIGH WATER MARK (Description, Witness, and Date)					

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

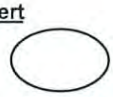
Pier Shape

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

Types (Shape) of Culvert

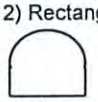
1) Circular

2) Rectangle



3) Elliptical

4) Con/Span



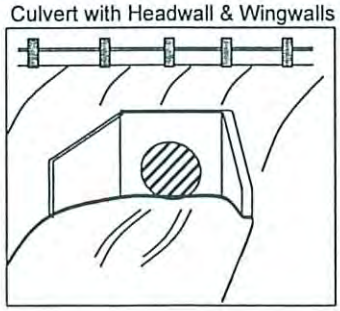
5) Elevated Arch

6) Pipe Arch

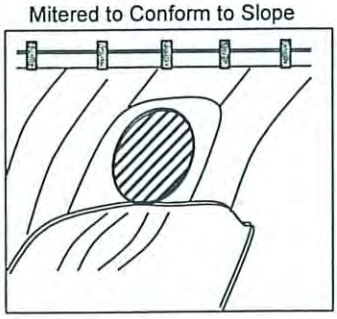
7) Other

Inlet/Outlet Type

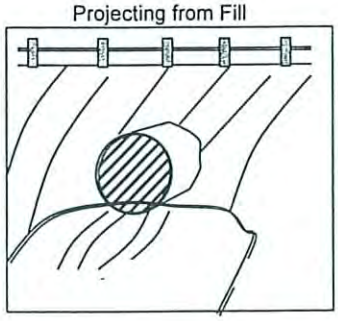
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

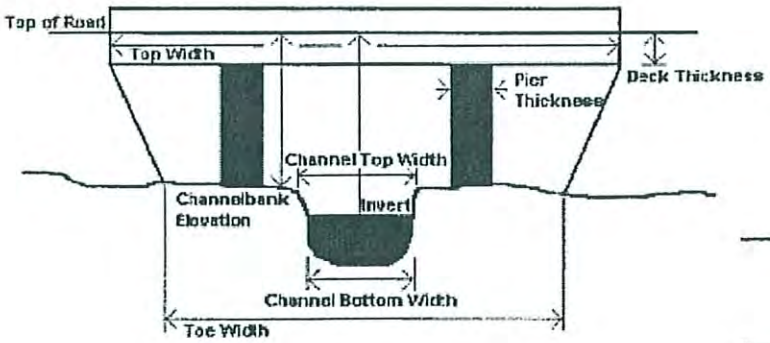


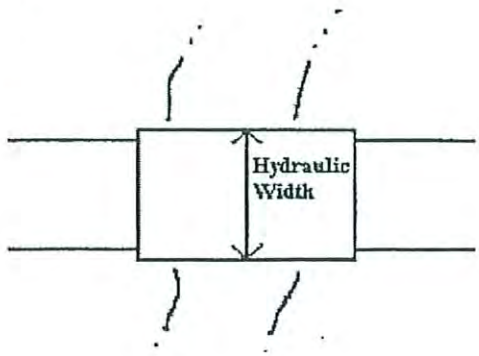
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
~5'		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





PHOTOS

Name	Description
76.	u/s side of culvert looking d/s
77	d/s side of culvert looking d/s
78	d/s side of culvert looking u/s

~ 4'

ADDITIONAL CHANNEL INFORMATION

large diameter ^ tributary coming in on rt bank d/s of RR bridge.

Land Use

Vegetative Cover

concrete severly damaged under culvert, eroded @ d/s end.
— d/s of culvert there is some grass, sand + cobble bed material.

Bed Material

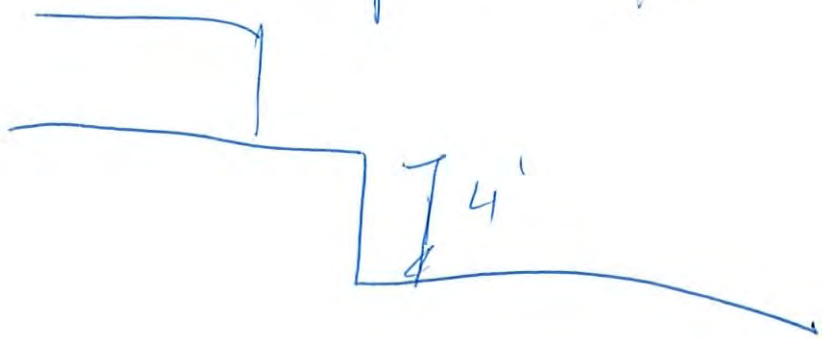
u/s of culvert ch is concrete lined, d/s of bridge channel is trapezoidal earthen material

General Channel Condition

Banks

Overbanks

4' drop on d/s side of culvert



STRUCTURE SURVEY TEMPLATE

				DATE	3/5/08
ROAD NAME	Halifax			COUNTY	
STREAM NAME	Sudden Branch			PHOTO ID #	
STRUCTURE #	SB91		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		9' x 6.5'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)					
HIGH WATER MARK (Description, Witness, and Date)					

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

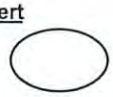
Pier Shape

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

Types (Shape) of Culvert

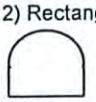
1) Circular

2) Rectangle



3) Elliptical

4) Con/Span



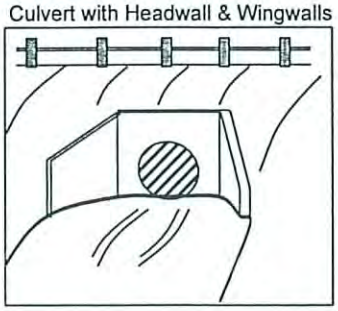
5) Elevated Arch

6) Pipe Arch

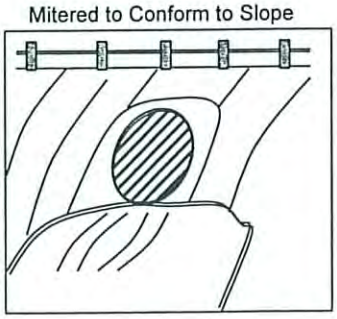
7) Other

Inlet/Outlet Type

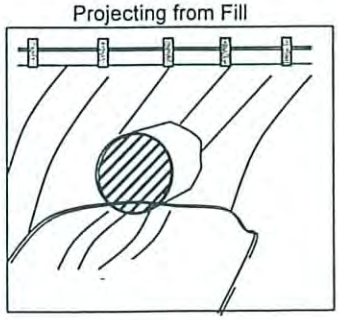
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

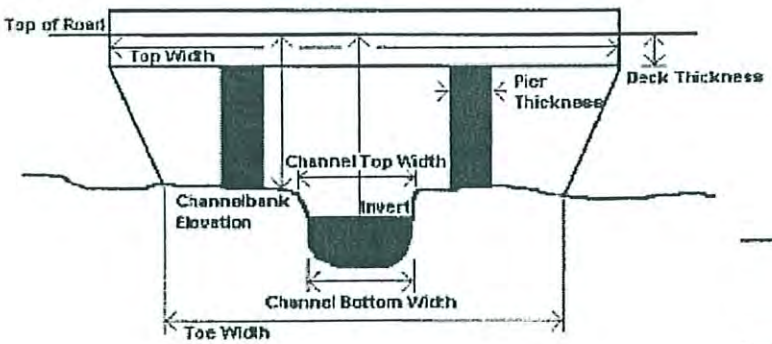


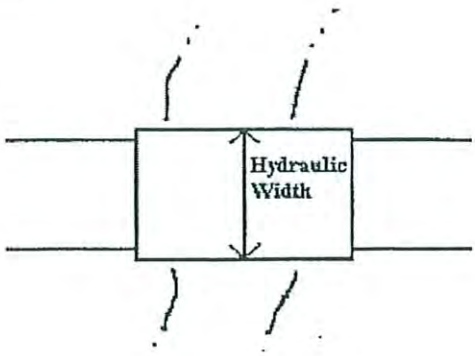
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





PHOTOS

Name	Description
74	u/s side of culvert looking d/s
75	d/s side of culvert looking u/s

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

rectangular channel

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

		DATE	3/5/08
ROAD NAME	Lake Vista	COUNTY	
STREAM NAME	Sudden Barranca	PHOTO ID #	
STRUCTURE #	SB92	X,Y COORDINATE	

TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		~ 7'x8'	concrete	Top of Road EL	

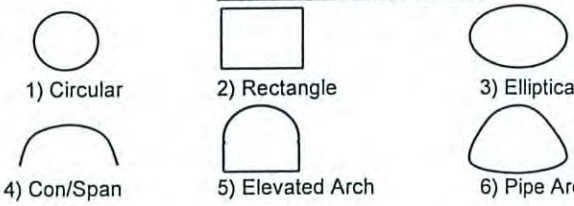
SPECIAL NOTE (Conditions, Blockage, etc)	could not get in to measure.
HIGH WATER MARK (Description, Witness, and Date)	

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

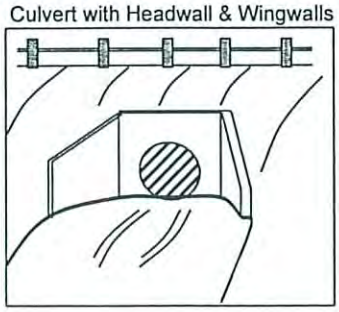
Types (Shape) of Culvert



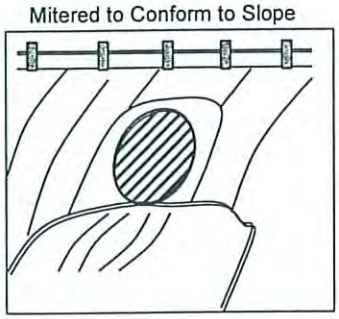
7) Other

Inlet/Outlet Type

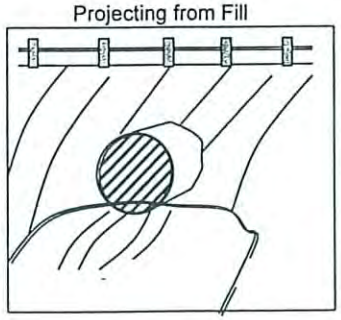
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

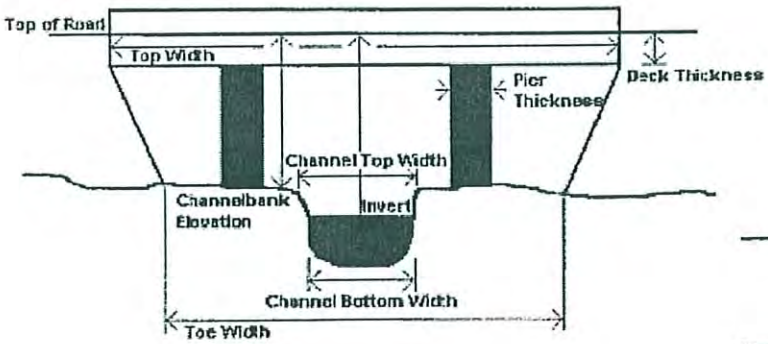


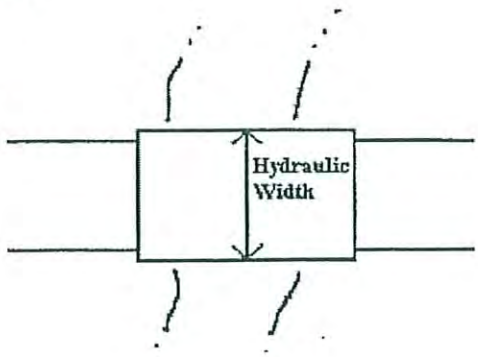
CHANNEL INFORMATION

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**





PHOTOS

Name	Description
72	d/s side of culvert looking u/s
73	d/s side of culvert looking d/s channel is underground from Lake Vista to Las Cruces, and daylights d/s of Lake Vista.

ADDITIONAL CHANNEL INFORMATION

Residential

Land Use

Vegetative Cover

Bed Material

Rectangular concrete channel.

General Channel Condition

Banks

maintenance Rd on right overbank

Overbanks

STRUCTURE SURVEY TEMPLATE

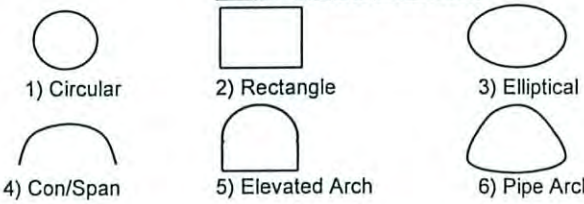
				DATE	3/5/08
ROAD NAME	Las Cruces			COUNTY	
STREAM NAME	Sudden Barranca			PHOTO ID #	
STRUCTURE #	SB93		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		7.25' x 9'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	Culvert appears to turn left under Las Cruces,				
HIGH WATER MARK (Description, Witness, and Date)	Culvert is buried from Las Cruces to Lake Vista.				

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

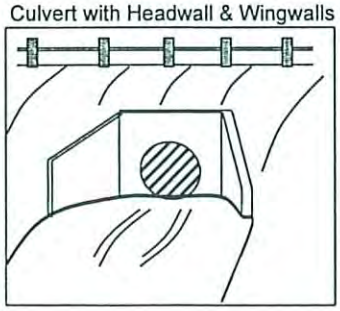
Types (Shape) of Culvert



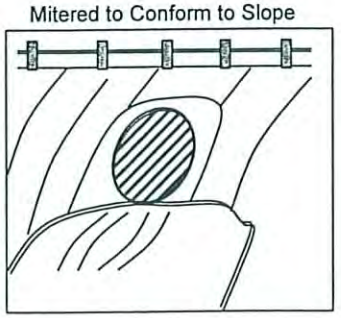
7) Other

Inlet/Outlet Type

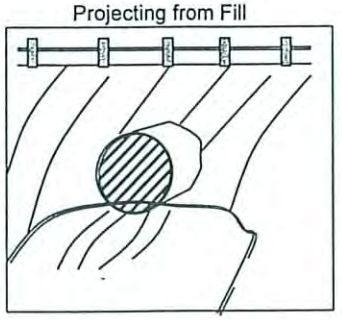
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

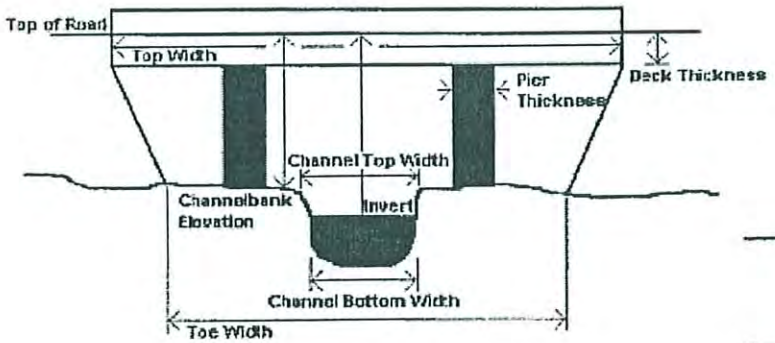


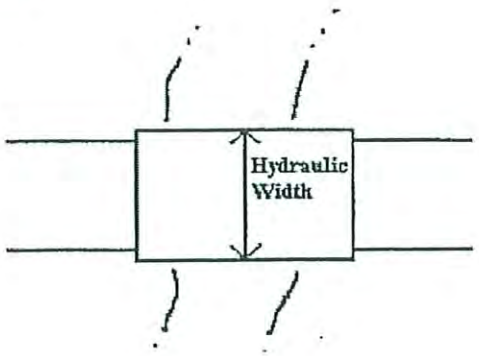
CHANNEL INFORMATION

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**





PHOTOS

Name	Description
70	u/s side of culvert looking d/s
71	u/s side of culvert looking u/s

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/5/08
ROAD NAME	Pueblo St			COUNTY	
STREAM NAME	Sudden Barranca			PHOTO ID #	
STRUCTURE #	SB94		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		10'x6'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		Concrete rectangular channel			
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)

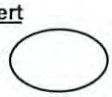
Pier Shape

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

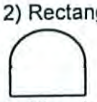
Types (Shape) of Culvert

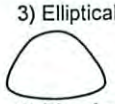

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

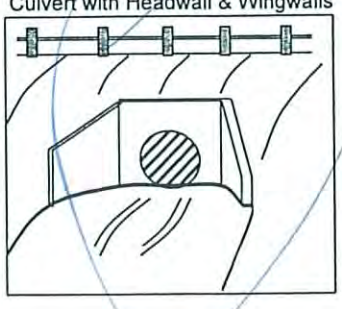

5) Elevated Arch


6) Pipe Arch

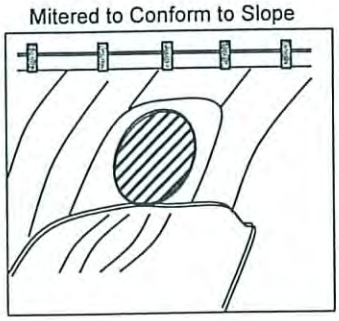
7) Other

Inlet/Outlet Type

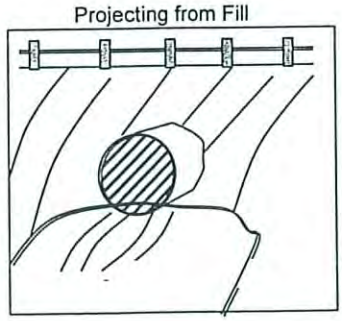
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

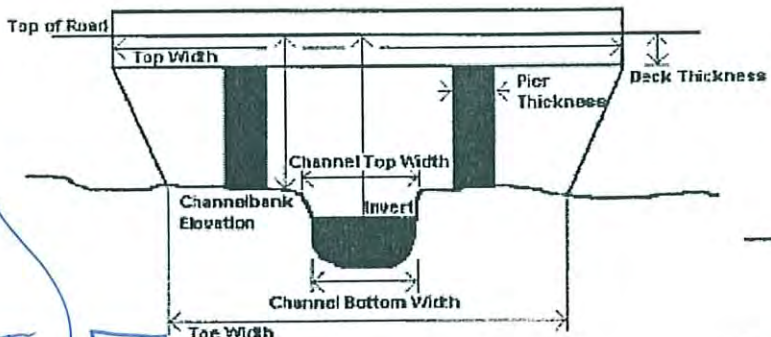


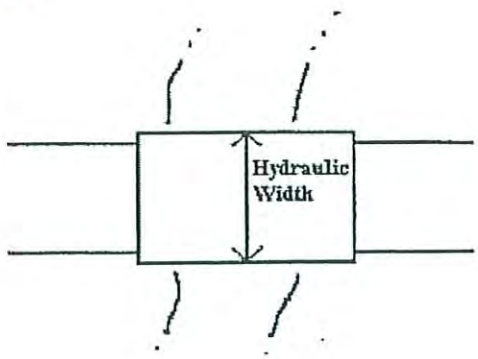
CHANNEL INFORMATION

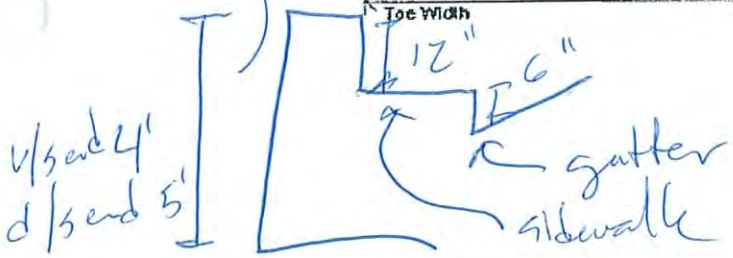
ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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







PHOTOS

Name	Description
C4	u/s of culvert looking d/s.
C8	d/s of culvert looking u/s

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

rectangular concrete channel

~ 6' deep.

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/5/08
ROAD NAME	Darling Rd			COUNTY	
STREAM NAME				PHOTO ID #	
STRUCTURE #	SB 95		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		10'x6'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		Flow is below ground from Henderson Rd to Darling Rd.			
HIGH WATER MARK (Description, Witness, and Date)					

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

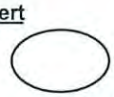
Pier Shape

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

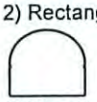
Types (Shape) of Culvert

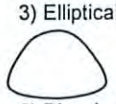

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

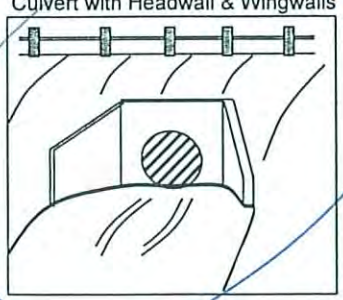

5) Elevated Arch


6) Pipe Arch

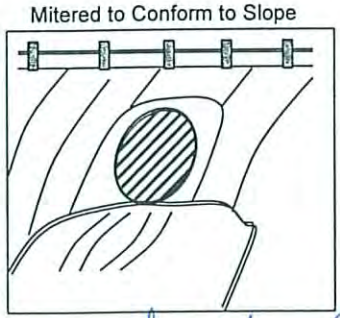
7) Other

Inlet/Outlet Type

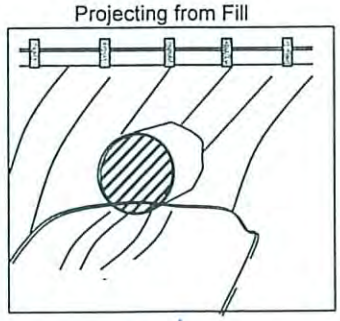
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill



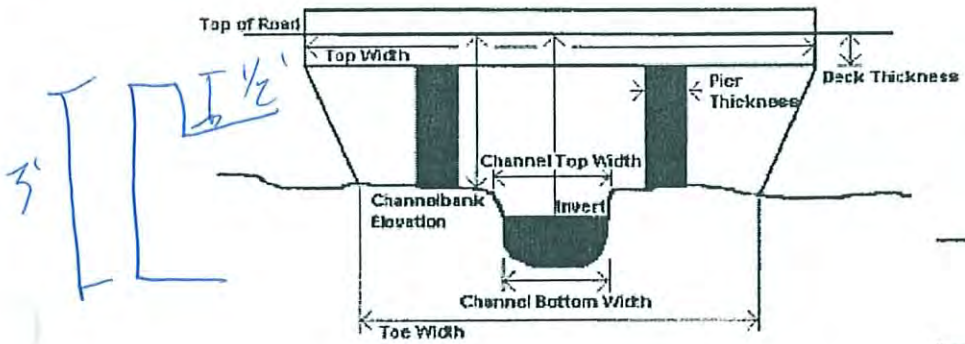
rectangular channel d/s of Darling Rd

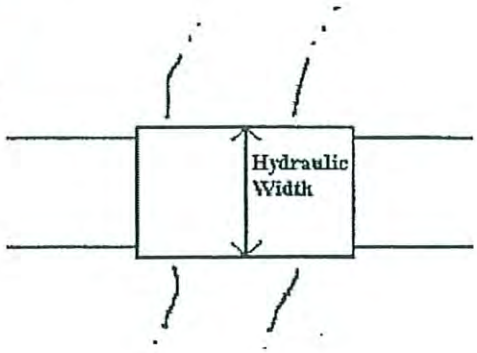
CHANNEL INFORMATION

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**





PHOTOS

Name	Description
66	d/s side of culvert looking u/s
67	d/s of culvert looking d/s

ADDITIONAL CHANNEL INFORMATION

Land Use Residential

Vegetative Cover

Bed Material rectangular concrete channel

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

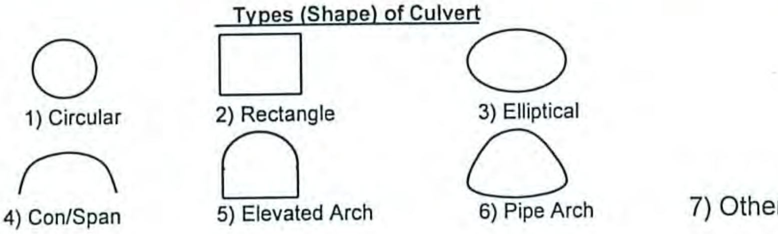
				DATE	3/5/08
ROAD NAME	Henderson			COUNTY	
STREAM NAME	Sudden Barranca			PHOTO ID #	
STRUCTURE #	SB96		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		~4'x5'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	small portion of open channel btwn Hwy 126 + ~~[illegible]~~ Henderson				
HIGH WATER MARK (Description, Witness, and Date)	3cells				

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert 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 **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

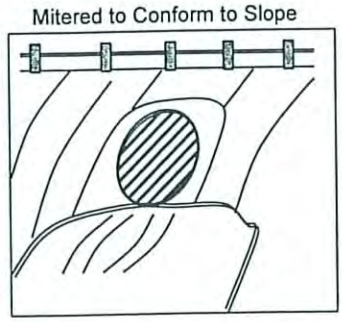
Types (Shape) of Culvert



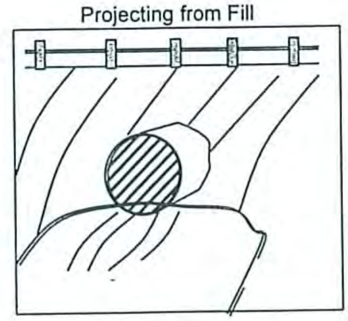
Inlet/Outlet Type

Culvert with Headwall & Wingwalls

Mitered to Conform to Slope



Projecting from Fill

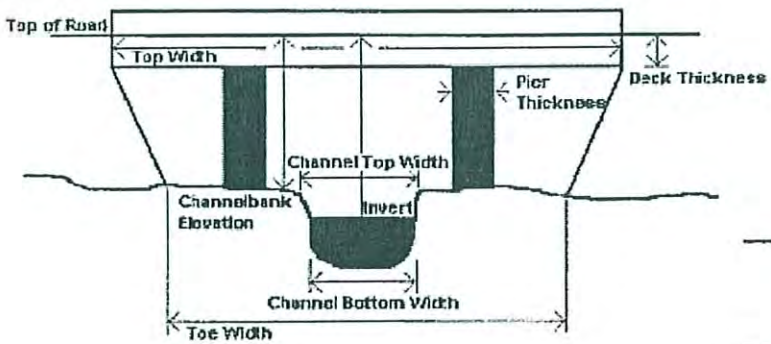


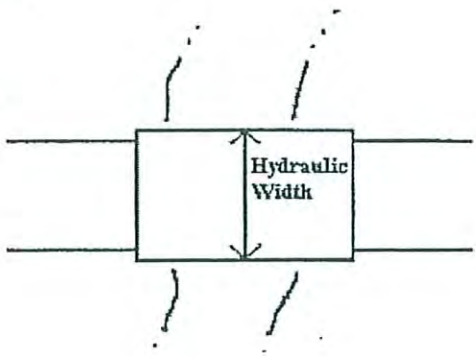
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





PHOTOS

Name	Description
C6	d/s side at looking at Herberan culvert looking u/s.

Flow is contained underground below new development (school). to Barlow Rd
Citrus Glen Elementary school

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/5/08
ROAD NAME	Telegraph			COUNTY	
STREAM NAME	Sudden Barranca			PHOTO ID #	
STRUCTURE #	SB 97		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		6' x 5'8"		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	u/s entrance @ telegraph appears to lead to underground culvert. Could not find d/s end.				
HIGH WATER MARK (Description, Witness, and Date)	2 steep portion of channel leading into culvert				

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge	Number of Barrels		RCR (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)	Bitmus 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

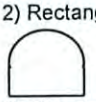
Types (Shape) of Culvert

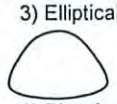

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

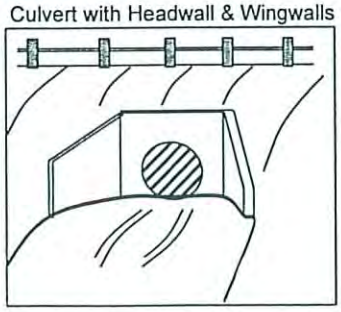

5) Elevated Arch


6) Pipe Arch

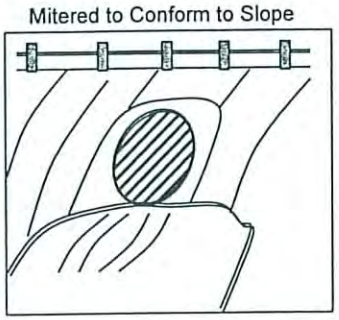
7) Other

Inlet/Outlet Type

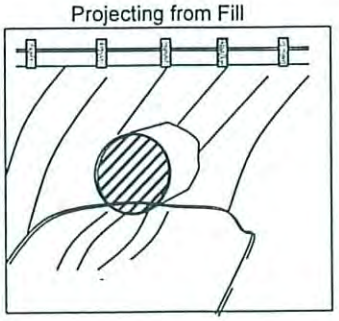
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

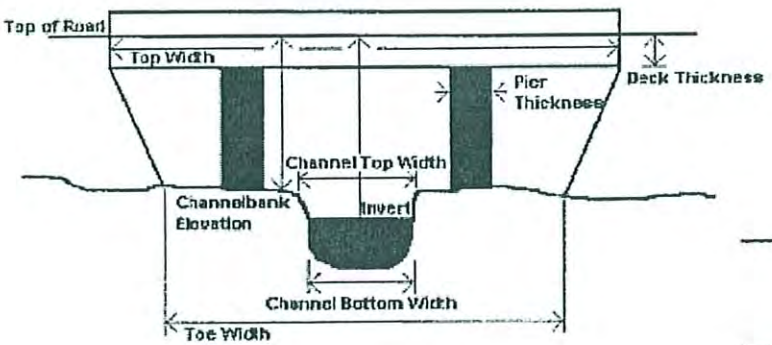


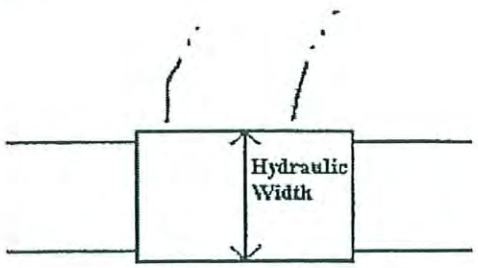
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
3'		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





buried culvert from Telegraph Rd. to Henderson. There is a small open channel section btwn Henderson Hwy #126, then the channel goes underground again.

PHOTOS

Name	Description
63	u/s end of culvert looking d/s
64	u/s end of culvert looking u/s

ADDITIONAL CHANNEL INFORMATION

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

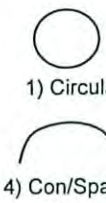
				DATE	3/5/08
ROAD NAME				COUNTY	
STREAM NAME	Sudden Branch			PHOTO ID #	
STRUCTURE #	SB 98		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		8 w x 3.5'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		Pedestrian Bridge d/s of Foothill			
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		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

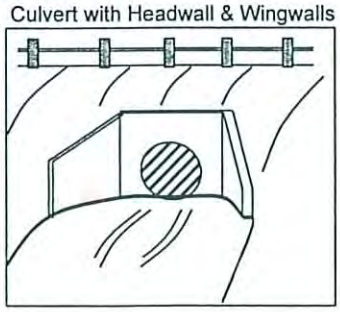
1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

Types (Shape) of Culvert

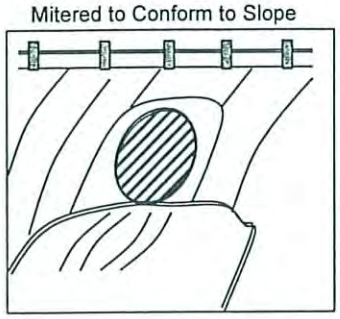


Inlet/Outlet Type

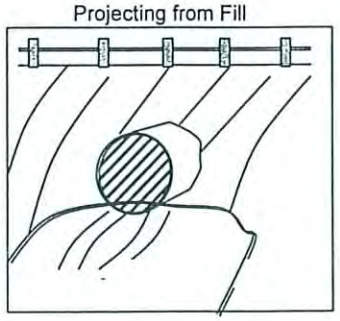
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

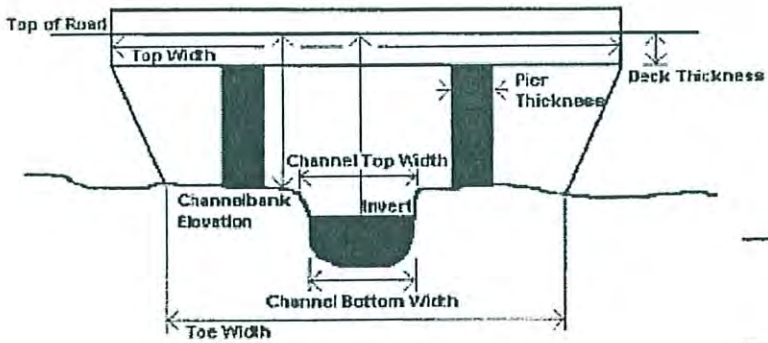


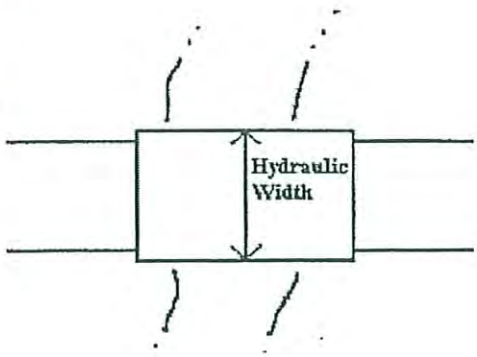
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





PHOTOS

Name	Description
GZ	u/s toe of ped. walk looking d/s

ADDITIONAL CHANNEL INFORMATION

lawn + orchard.

Land Use

Vegetative Cover

concrete channel.

Bed Material

concrete lined.

General Channel Condition

Banks

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3/5/08
ROAD NAME	Foothill			COUNTY	
STREAM NAME	Sudden Barranca			PHOTO ID #	
STRUCTURE #	SD98		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		6' x 6'		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		U/S side is drop from channel to culvert.			
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)

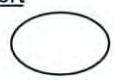
Pier Shape

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

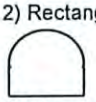
Types (Shape) of Culvert

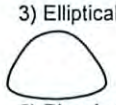

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

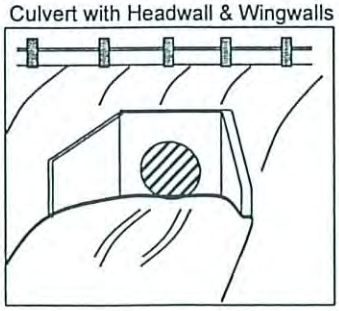

5) Elevated Arch


6) Pipe Arch

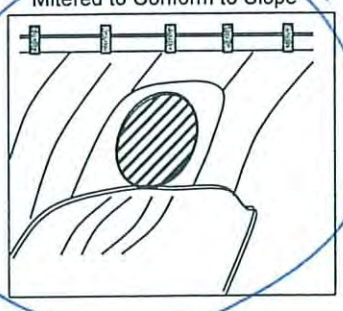
7) Other

Inlet/Outlet Type

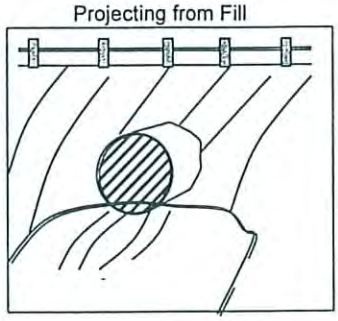
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

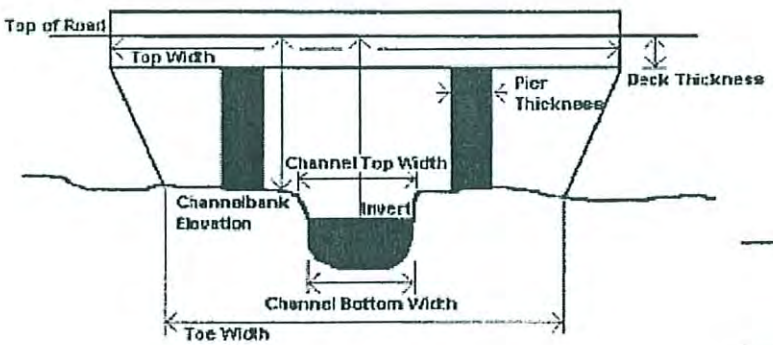


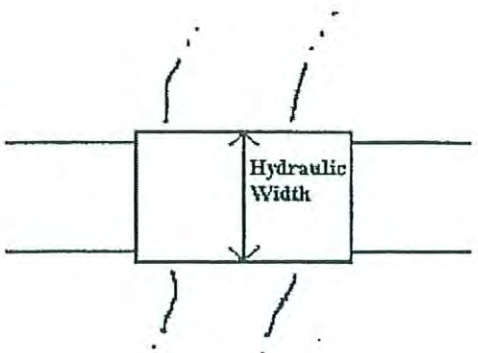
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
4' u/s side		
HYDRAULIC WIDTH	**NUMBER OF PIERS**	**PIER THICKNESS**





PHOTOS

Name	Description
58	u/s side of sudden Barrack looking d/s
59	u/s of culvert looking u/s
60	d/s of culvert looking u/s
61	d/s of culvert looking d/s

ADDITIONAL CHANNEL INFORMATION

Land Use

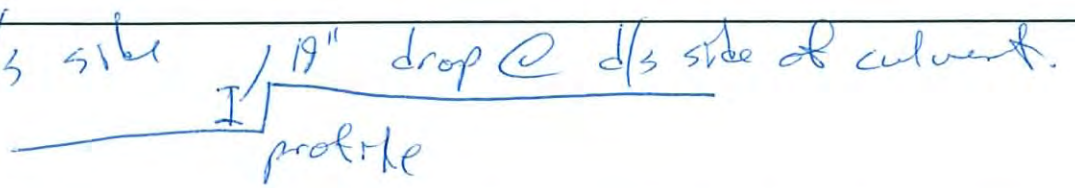
Vegetative Cover

Bed Material

concrete channel u/s

General Channel Condition

Banks



Overbanks