STRUCTURE SURVEY TEMPLATE

		DATE	3-5-08
ROAD NAME	Hwy 126 + frontage → Santa Maria St & Highway 126	COUNTY	
STREAM NAME	Fagan Crk	PHOTO ID #	
STRUCTURE #	1	X,Y COORDINATE	

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

SPECIAL NOTE (Conditions, Blockage, etc)	Rectangular Conc channel down stream to the SCR d/s = cobble channel - R bank improved
HIGH WATER MARK (Description, Witness, and Date)	sig. drop @ end of RC.

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge		Number of Barrels 2	RCP (Reinforced Concrete Pipe)		Headwall
Span Bridge			CMP (Corrugated Metal Pipe)	Height from Top of	Wingwalls Type 0°, 45°, 90°
Pier Shape		1) Circular 10' x 10'	Bitmus Coated	Road to Invert	Projecting
(Culvert)		(2) Rectangle (Span X Rise)	Steel		Flush with Slope
Dam		3) Elliptical 8" pier	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

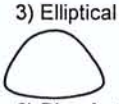

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

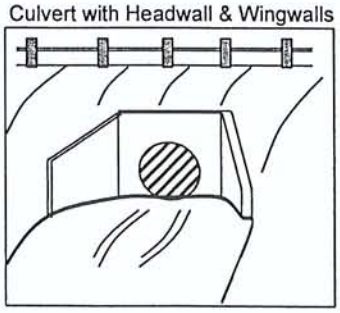

5) Elevated Arch


6) Pipe Arch

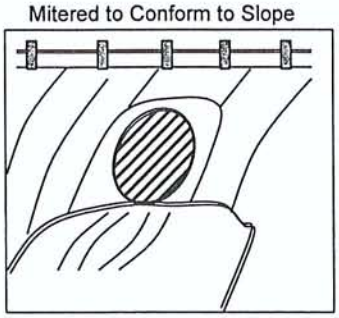
7) Other

Inlet/Outlet Type

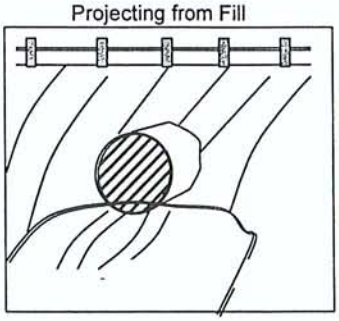
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

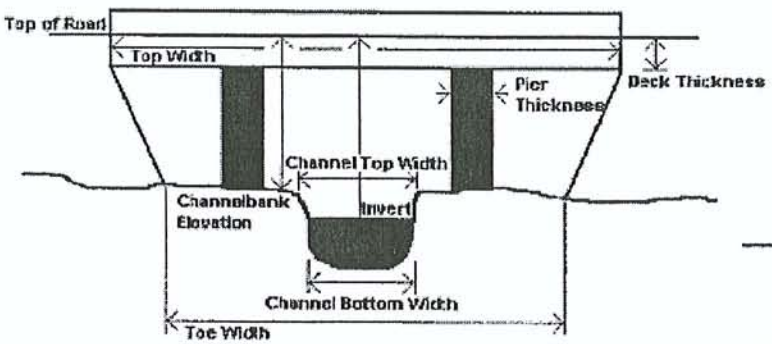


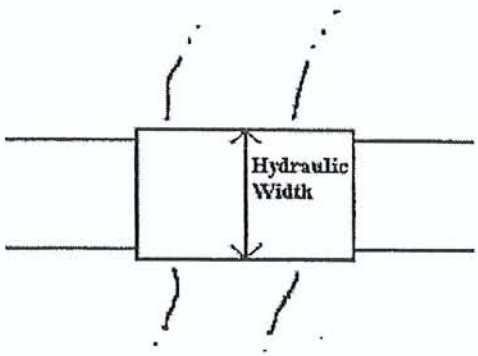
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





< Photo List >

FC1 #143 ~ #146

PHOTOS

Name	Description
	Channel D/S of crossing → wall height increases twice max = 7' Rect channel bw = 30' Channel d/s of concrete is clear of veg on bottom & R side Some brush on L bank.

ADDITIONAL CHANNEL INFORMATION

D/S R = residential D/S C = business / RV

U/S R/C = residential.

Land Use

way d/s -- few trees

local to crossing - nothing

Vegetative Cover

Clean RC channel

Bed Material

good shape

General Channel Condition

vertical → way d/s = ~2:1 earthen

veg on L bank

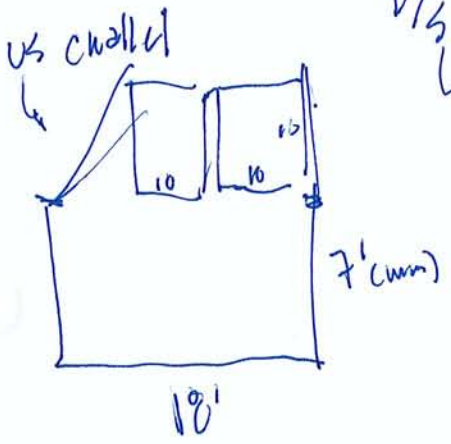
Banks

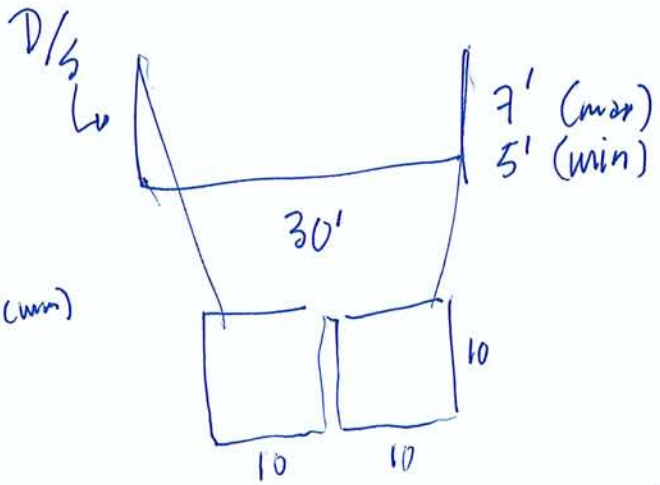
flat D/S L bank = Big Building
Maint Road - R o.b.
Fenced both sides..

Overbanks

U/S - long pier nose
+ some debris

wall height in channel
immed d/s of culvert = 5'





note: U/S bank is taller than R bank..

R = 45' L = 7'9" (?)

STRUCTURE SURVEY TEMPLATE

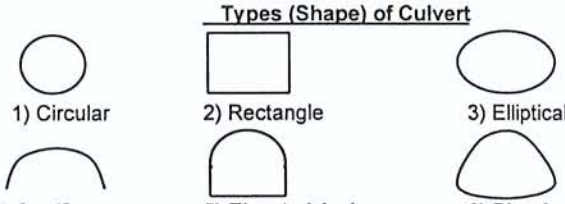
				DATE	3.5.08
ROAD NAME	~~Howard~~ Santa Anna / Stecker			COUNTY	
STREAM NAME	Egan Un			PHOTO ID #	
STRUCTURE #	2		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)					
HIGH WATER MARK (Description, Witness, and Date)					

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
(Bridge)		Number of Barrels	RCP (Reinforced Concrete Pipe)		Headwall
(Span Bridge)	20' clearspan		CMP (Corrugated Metal Pipe)	Height from Top of	Wingwalls Type 0°, 45°, 90°
Pier Shape		1) Circular	Bitmus Coated	Road to Invert	Projecting
Culvert	6' high	2) Rectangle (Span X Rise)	Steel		Flush with Slope
Dam		3) Elliptical	Timber	Top of Road EL	MES (Mitered End Section)
Spillway		4) Con/Span	Ductile		FES (Flared End Section)
Riser Barrel		5) Elevated Arch	Clay	From Topo Map	
Outlet		6) Pipe Arch	Masonry Rock	(FT.NGVD) or	
		7) Other		(FT.NAVD)	

Pier Shape

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

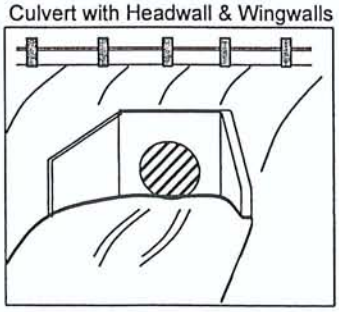
Types (Shape) of Culvert



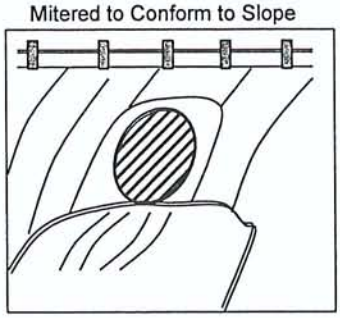
7) Other

Inlet/Outlet Type

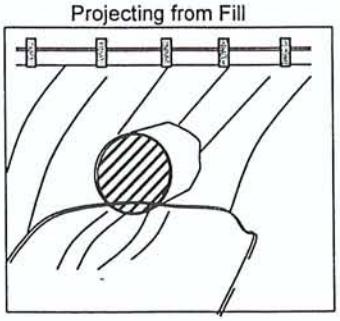
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

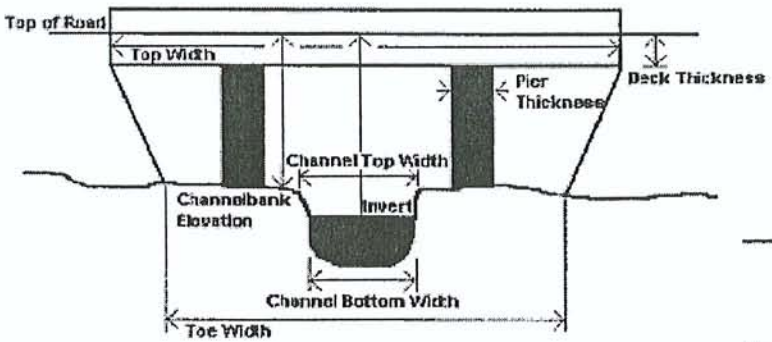


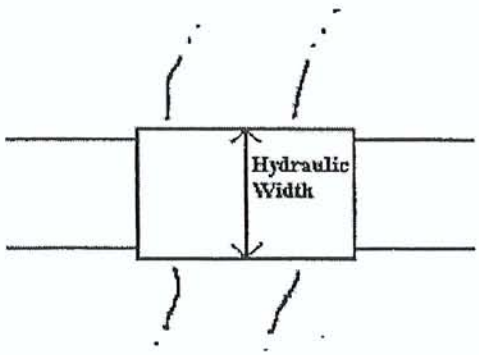
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





<Photo List>

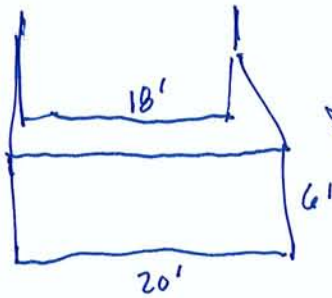
FC2 #147 ~ #150

PHOTOS

Name

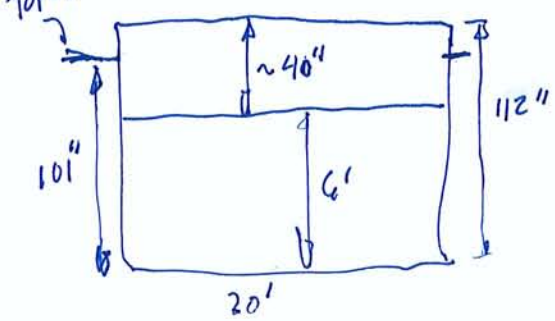
Description

d/s



u/s

Top of wall



ADDITIONAL CHANNEL INFORMATION

Residential

Land Use

Some eucalyptus U/s on R ob

Vegetative Cover

clear Reinf. Conc.

Bed Material

Clear

General Channel Condition

vertical

Banks

flat.

Overbanks

STRUCTURE SURVEY TEMPLATE

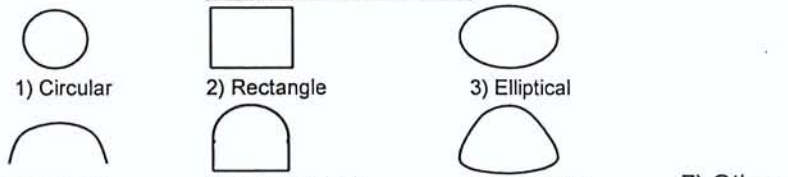
				DATE	3-5-08
ROAD NAME	Harvard			COUNTY	
STREAM NAME	Fagan Crk			PHOTO ID #	
STRUCTURE #	3		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)					
HIGH WATER MARK (Description, Witness, and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

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge		Number of Barrels	RCP (Reinforced Concrete Pipe)		Headwall
Span Bridge	Clear Span		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	6	5) Elevated Arch	Clay	From Topo Map	
Outlet	20'	6) Pipe Arch	Masonry Rock	(FT.NGVD) or	
		7) Other		(FT.NAVD)	

Pier Shape

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

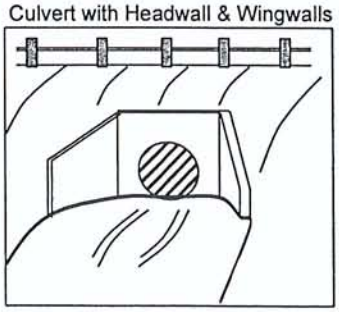
Types (Shape) of Culvert



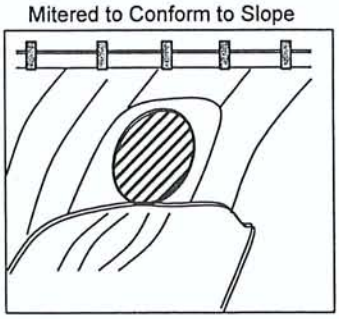
7) Other

Inlet/Outlet Type

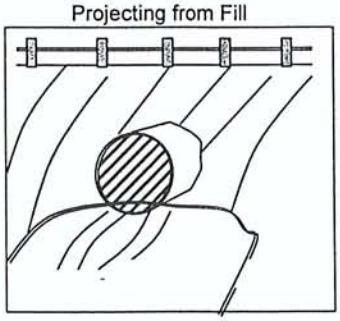
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

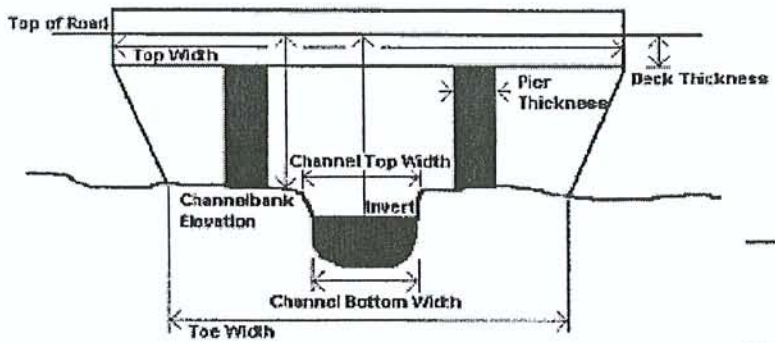


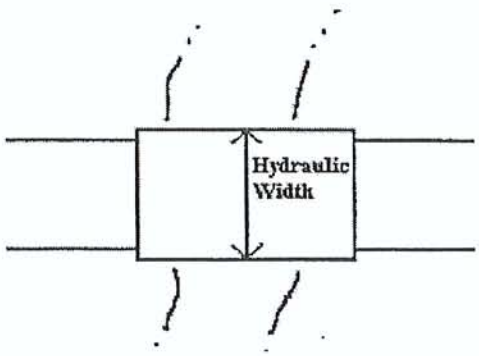
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



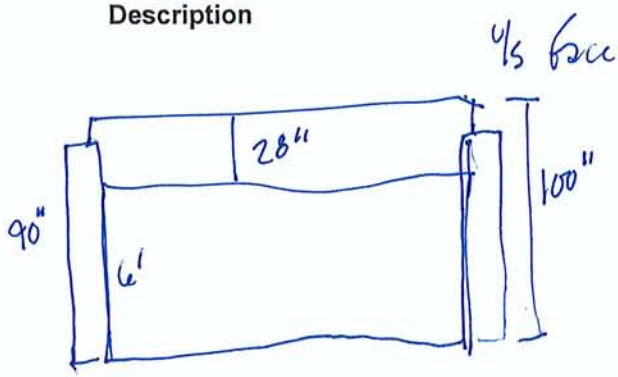


PHOTOS

Name

Description

<Photo List>
FC3 #151 ~ #154



fence on both sides.

ADDITIONAL CHANNEL INFORMATION

Mixed use park res. business

Land Use

occasional trees adjacent

Vegetative Cover

Concrete lined

Bed Material

clean, good shape

General Channel Condition

vertical

Banks

flat

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3.5-08
ROAD NAME	Ped Xing			COUNTY	
STREAM NAME	Fagan Cen			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)					
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	Clear span		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	6.5'	3) Elliptical	Timber	Top of Road EL	MES (Mitered End Section)
Spillway		4) Con/Span	Ductile		FES (Flared End Section)
Riser Barrel	20	5) Elevated Arch	Clay	From Topo Map	
Outlet		6) Pipe Arch	Masonry Rock	(FT.NGVD) or	
		7) Other		(FT.NAVD)	

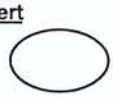
Pier Shape

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

Types (Shape) of Culvert

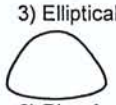

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

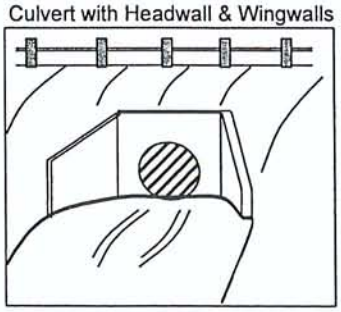

5) Elevated Arch


6) Pipe Arch

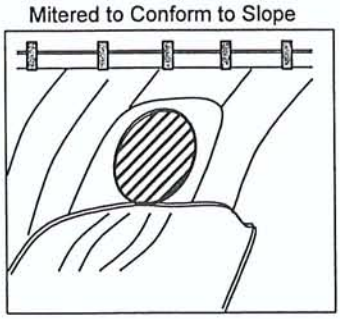
7) Other

Inlet/Outlet Type

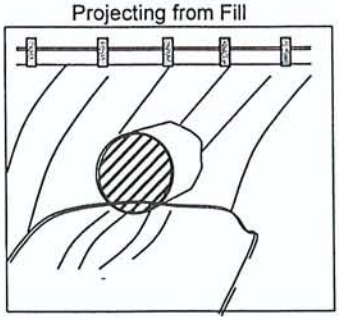
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

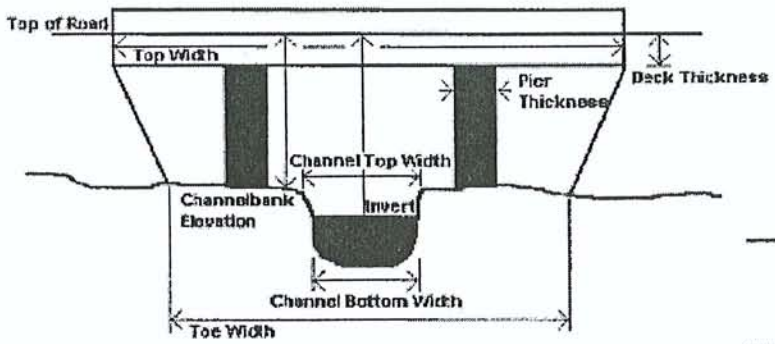


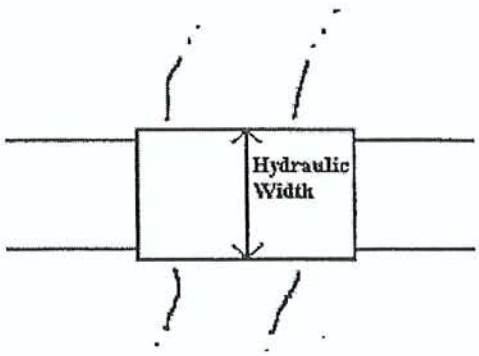
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



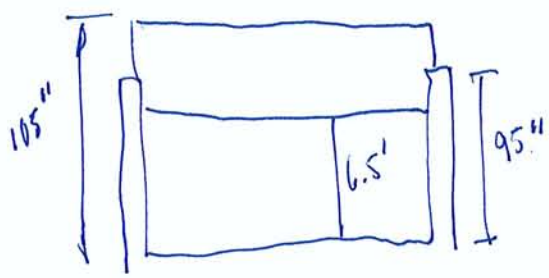


PHOTOS

Name

Description

fences both sides



<Photo List>

FC4 #155~#158

ADDITIONAL CHANNEL INFORMATION

mixed + school

Land Use

— palm tree

Vegetative Cover

clean RC channel

Bed Material

good shape

General Channel Condition

Vertical

Banks

flat

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3-5-08
ROAD NAME	Private drive			COUNTY	
STREAM NAME	Fagan 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)					
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	clear span		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	6.5'	3) Elliptical	Timber	Top of Road EL	MES (Mitered End Section)
Spillway		4) Con/Span	Ductile		FES (Flared End Section)
Riser Barrel	20'	5) Elevated Arch	Clay	From Topo Map	
Outlet		6) Pipe Arch	Masonry Rock	(FT.NGVD) or	
		7) Other		(FT.NAVD)	

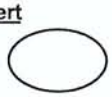
Pier Shape

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

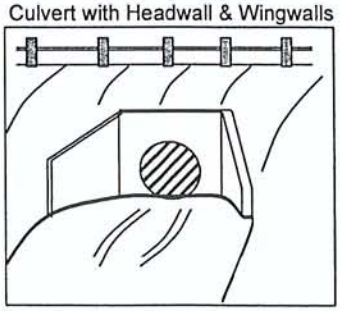

5) Elevated Arch


6) Pipe Arch

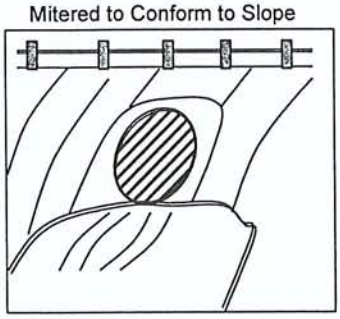
7) Other

Inlet/Outlet Type

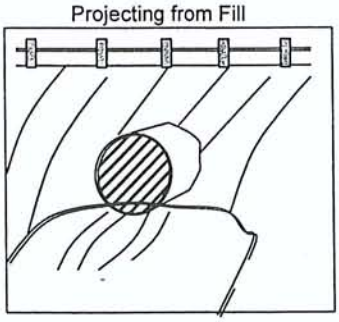
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

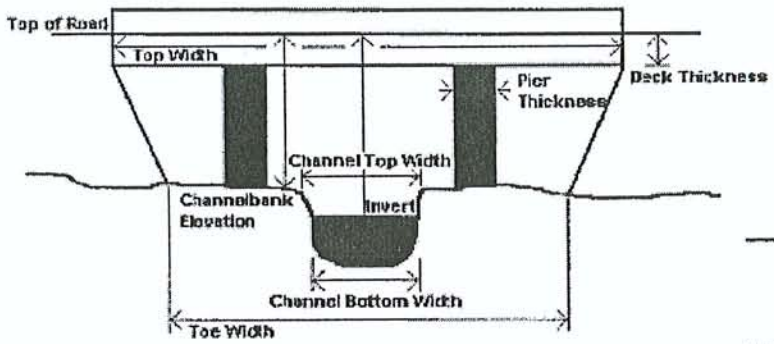


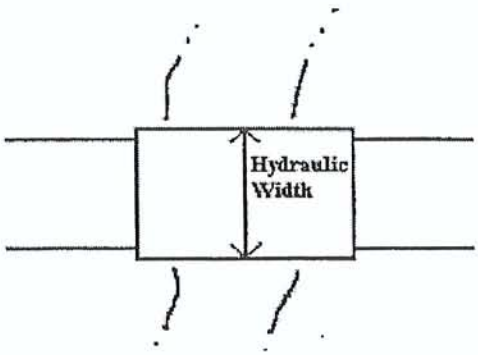
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





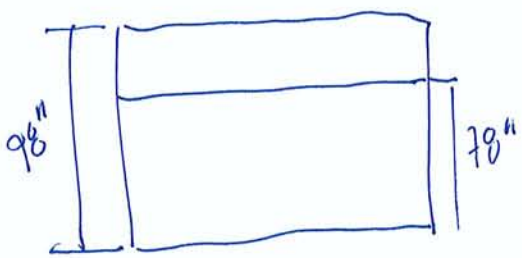
PHOTOS

Name

Description

u/s of structure, walls are taller.

~107"



< Photo List >

FCS #159 ~ #162

ADDITIONAL CHANNEL INFORMATION

mixed + school

Land Use

home

Vegetative Cover

Clean RC channel

Bed Material

good

General Channel Condition

vertical

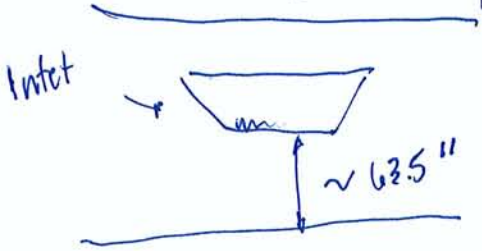
Banks

flat

Overbanks

Note: walls on R, L are taller than surrounding ground.

see trapezoidal inlet picture..



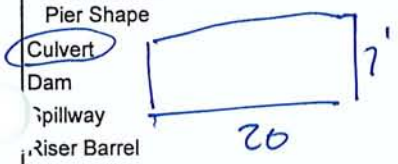
STRUCTURE SURVEY TEMPLATE

ROAD NAME	outlet of long culvert {6-1: 620ft south from Main St. 6-2: Upstream of railroad	DATE	3-5.08
STREAM NAME	Fagan Cr	COUNTY	
STRUCTURE #	6 → 6-1 & 6-2	PHOTO ID #	
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)	
HIGH WATER MARK (Description, Witness, and Date)	

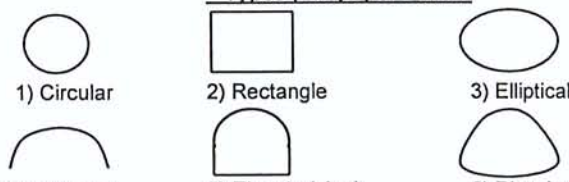
TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	Number of Barrels 1) Circular 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal 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

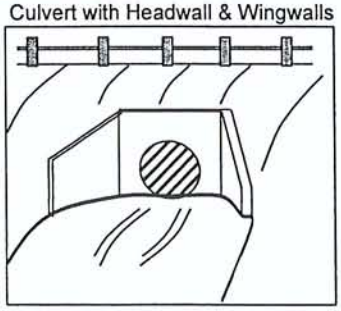
Types (Shape) of Culvert



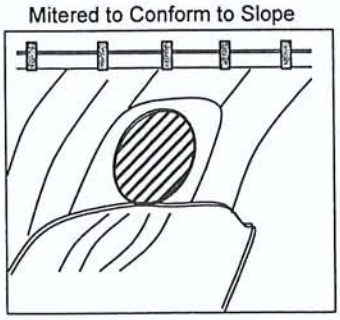
7) Other

Inlet/Outlet Type

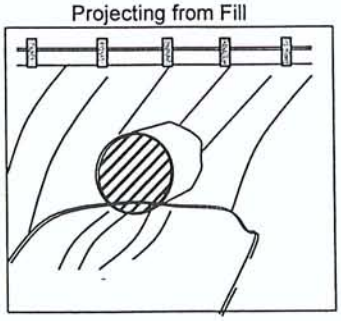
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

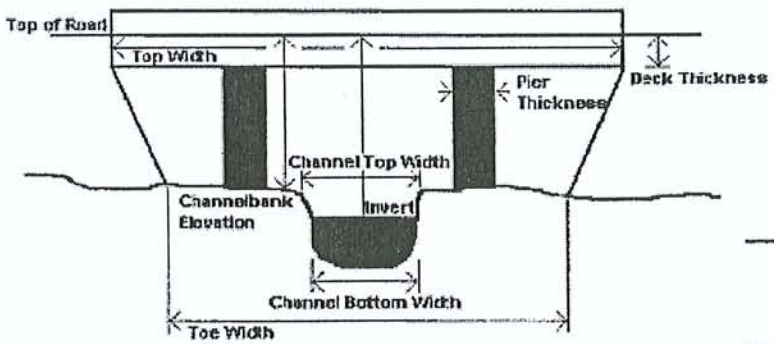


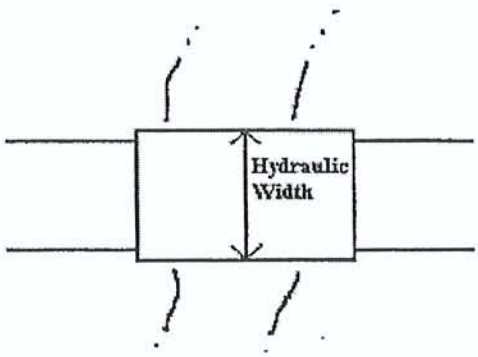
CHANNEL INFORMATION

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

< Photo List >

FC 6-1 #163 ~ #164

FC 6-2 #165 ~ #166

ADDITIONAL CHANNEL INFORMATION

Land Use: mixed

Vegetative Cover: d/s — none | u/s — many large eucalyptus trees on R bank

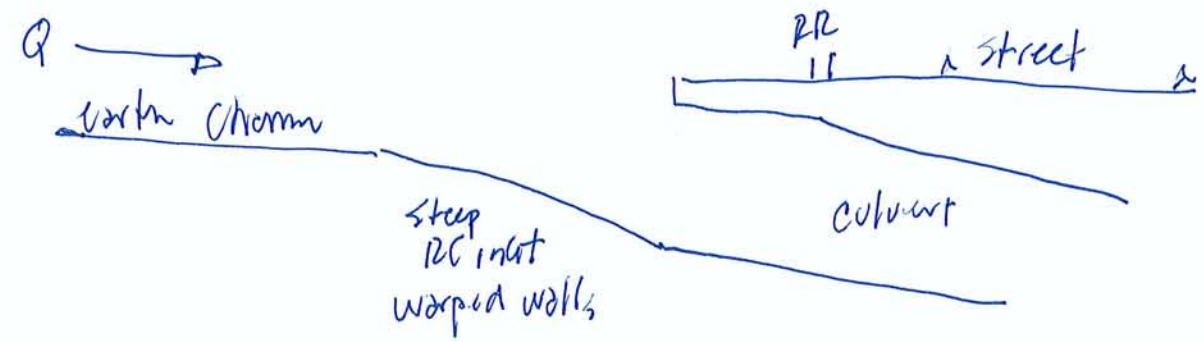
Bed Material: d/s — RC channel, clean | u/s = silty sand, earth

General Channel Condition: d/s — good | u/s earthen channel steep banks with on L & R irregular, some cattails

Banks: d/s — Vertical | u/s → steep: vertical to 1:1

Overbanks: u/s — flat | note: some walls on o.b.

note: inlet to this structure is u/s of RR.



② inlet structure is still 7 RC box.

STRUCTURE SURVEY TEMPLATE

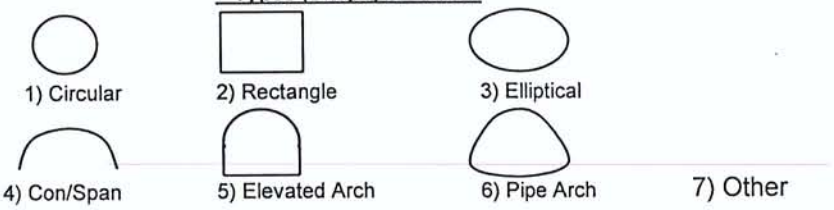
				DATE	3-5-09
ROAD NAME	Santa Paula			COUNTY	
STREAM NAME	Fagan Cnn			PHOTO ID #	
STRUCTURE #	#7		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	Several pipe confluences inside culvert				
HIGH WATER MARK (Description, Witness, and Date)					

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape (Culvert) Single box Dam Spillway Riser Barrel Outlet	Number of Barrels 1 1) Circular (2) Rectangle (Span X Rise) 12'x 9' 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

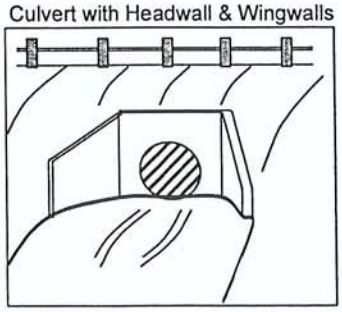
1) Circular pier
2) Twin-Cylinder piers
3) Elongated pier
4) Triangular nose
5) Square nose

Types (Shape) of Culvert

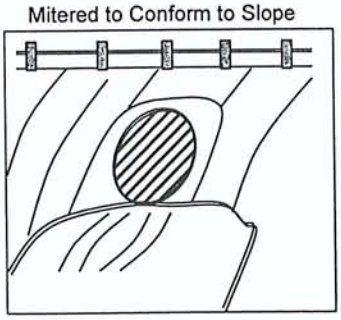


Inlet/Outlet Type

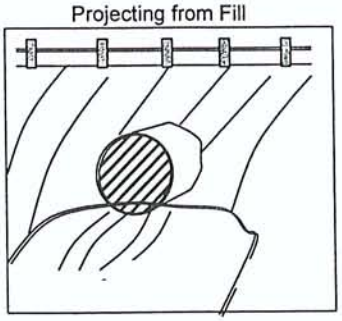
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

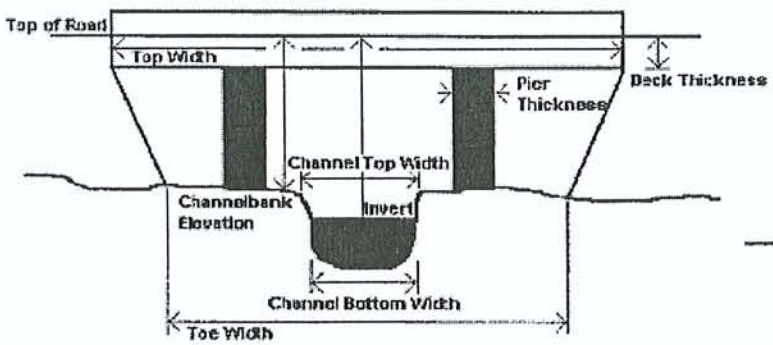


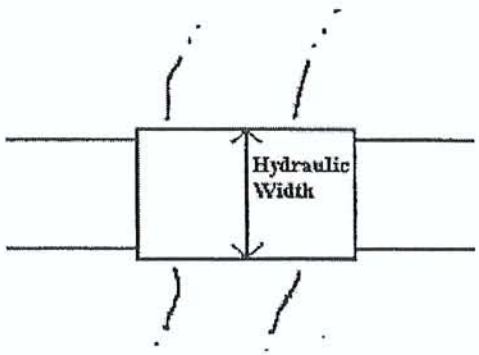
CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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





PHOTOS

Name | Description

Warped inlet and outlet walls..

< Photo List >

FC7 #167 ~ #171

ADDITIONAL CHANNEL INFORMATION

mixed: residential + cemetery (U/S, R side)

Land Use

many Eucalyptus trees d/s

d/s is a 'greenbelt' channel – Fagan Barranca Park.

Vegetative Cover

D/S = large grated rock @ outlet
some sand/gravel/cobbles
lots of free litter D/S
even more U/S..

same U/S

Bed Material

irregular, winding D/S

much more thickly vegetated U/S

General Channel Condition

steep low bank D/S  within a larger channel

Banks

flat, homes, cemetery..

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3.5.08
ROAD NAME	Pipeline Crossing -			COUNTY	
STREAM NAME	Fagan Cr			PHOTO ID #	
STRUCTURE #	7.5		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)	note: block concrete protection on L bank - should show on aerials				
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)

Suspended pipeline bridge clear span

see topo / photos / aerial for details

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

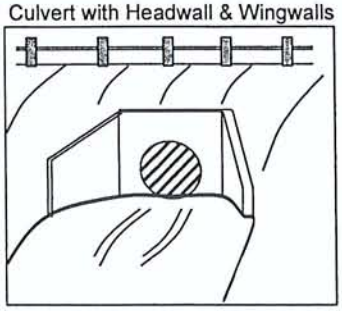

5) Elevated Arch


6) Pipe Arch

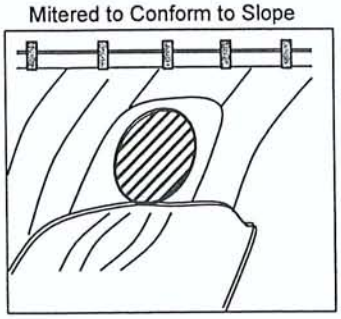
7) Other

Inlet/Outlet Type

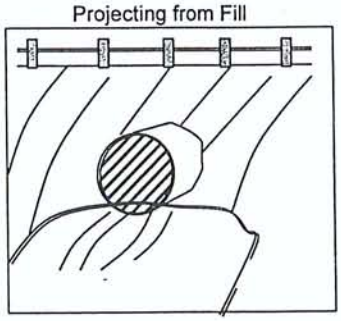
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

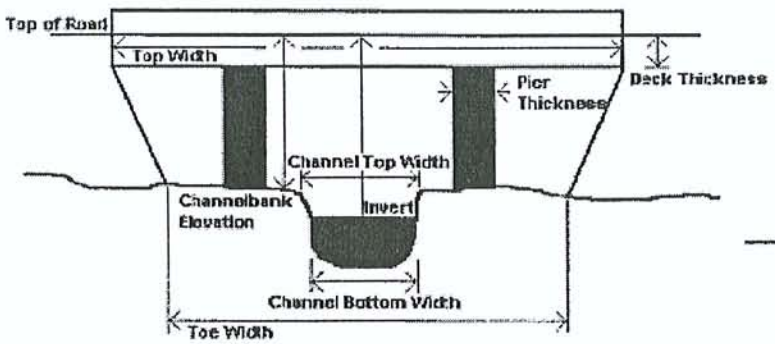


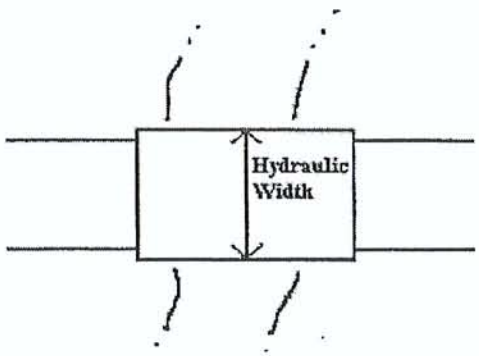
CHANNEL INFORMATION

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
<Photo List>	
FC7.5 #172	

ADDITIONAL CHANNEL INFORMATION

residences on L Bank protected by block wall

Land Use

several tall eucalyptus

Vegetative Cover

sand / gravel

Bed Material

natural

General Channel Condition

very brushy

Banks

within a deep valley.

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3-5-08
ROAD NAME	detention basin, road immed d/s			COUNTY	
STREAM NAME	Fagan Cyn			PHOTO ID #	
STRUCTURE #	8 → 8&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)	immed d/s is a dip crossing with a circular culvert. 8' dia
HIGH WATER MARK (Description, Witness, and Date)	

TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert 8' dia d/s of dam. Dam Spillway Riser Barrel Outlet		Number of Barrels 1 1) Circular 8' 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)

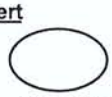
Pier Shape

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

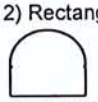
Types (Shape) of Culvert

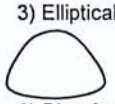

1) Circular


2) Rectangle


3) Elliptical


4) Con/Span

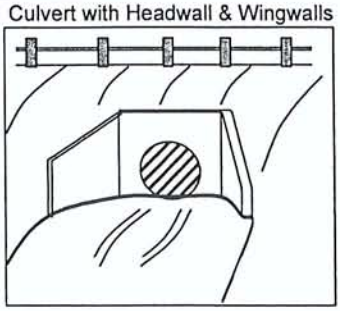

5) Elevated Arch


6) Pipe Arch

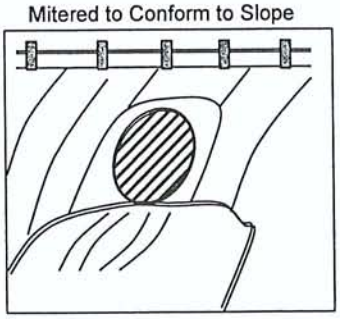
7) Other

Inlet/Outlet Type

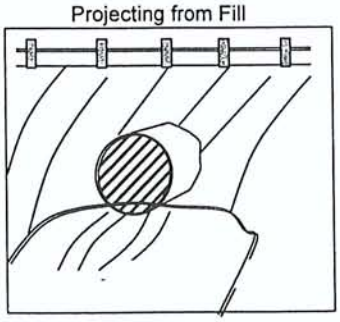
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

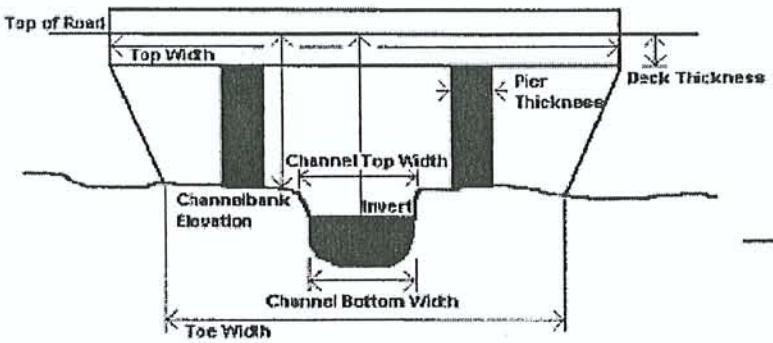


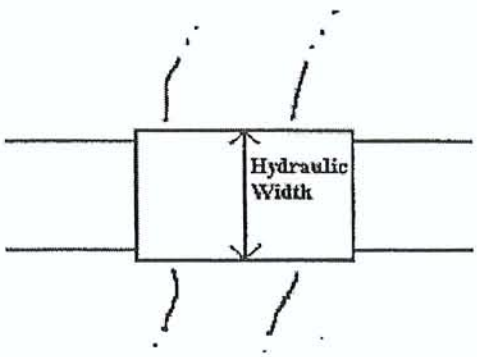
CHANNEL INFORMATION

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

<Photo List>

FC 8 # 173 ~ # 176

FC 9 # 177 ~ # 178

ADDITIONAL CHANNEL INFORMATION

open + residential

Land Use

natural - trees, brush oaks + eucalyptus.

Vegetative Cover

grouted rock @ outlet

Bed Material

Dsm U/S

Irregular D/S - natural channel

General Channel Condition

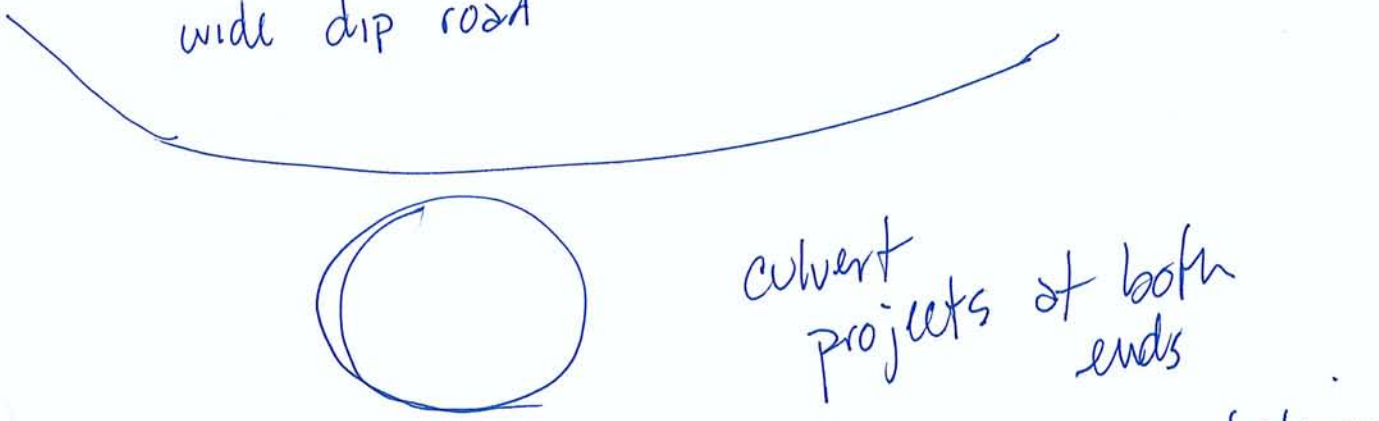
Variable - lots of brush U/S and further D/S

Banks

Channel is in a deep valley

Overbanks

wide dip road



culvert projects at both ends

grouted rock slop protection at both ends

STRUCTURE SURVEY TEMPLATE

				DATE	8-6-08
ROAD NAME	Private Orchard Rd			COUNTY	
STREAM NAME	Fagan Cyn			PHOTO ID #	
STRUCTURE #	#10		X,Y COORDINATE		

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

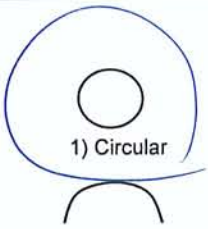
SPECIAL NOTE (Conditions, Blockage, etc)	rusted steel culvert, dirt road buried around it.
HIGH WATER MARK (Description, Witness, and Date)	looks like it has been here awhile

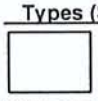
TYPE	CULVERT TYPE	MATERIAL	Road to Bed / Top of Road EL	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert (see sketch) Dam Spillway Riser Barrel Outlet	Number of Barrels 2 1) Circular 1-9.5', 1-5' dia 2) Rectangle (Span X Rise) 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (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




2) Rectangle


3) Elliptical


4) Con/Span

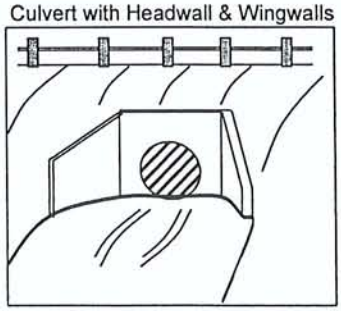

5) Elevated Arch

6) Pipe Arch

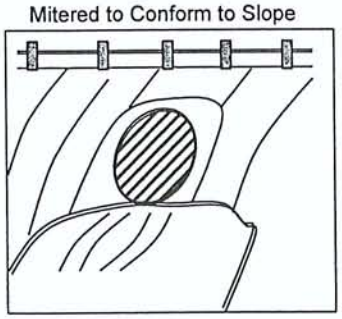
7) Other

Inlet/Outlet Type

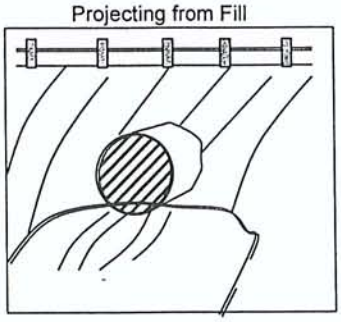
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

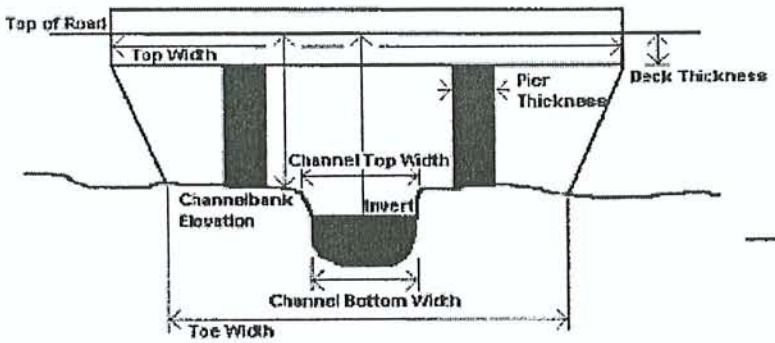


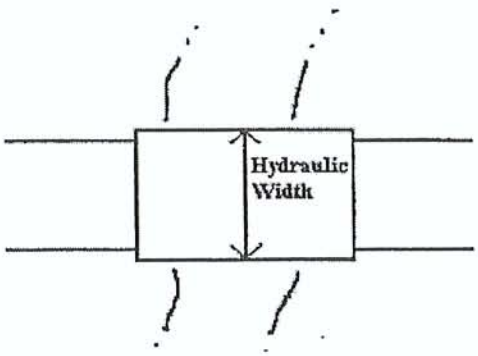
CHANNEL INFORMATION

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

Earthen dip crossing - probably washes out

No grouted rock or concrete.

<Photo List>

FC10 #179 ~ #181

ADDITIONAL CHANNEL INFORMATION

Bruce Dickensen
(landowner)

orchard + open space

Land Use

brush + some willows.

Vegetative Cover

cobbles + gravel

Bed Material

lots of veg growth - mostly willows

General Channel Condition

earth + rocks + veg

Banks

within a larger valley

Overbanks