

STRUCTURE SURVEY TEMPLATE

				DATE	3-5-08
ROAD NAME		Hwy 126		COUNTY	
STREAM NAME		Santa Paula Creek		PHOTO ID #	
STRUCTURE #		1		X,Y COORDINATE	
TYPE		LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed
Railroad Bridge		See plans			INLET/OUTLET TYPE
					Top of Road EL
SPECIAL NOTE (Conditions, Blockage, etc)		bridge soffit appears to be higher than L bank vertical wall			
HIGH WATER MARK (Description, Witness, and Date)		note: underpass trail on left side ..			
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)

2 piers
wells w/ window
(actually 2 bridges)
debris noses
v/s

Pier Shape

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



Types (Shape) of Culvert

- 1) Circular
- 4) Con/Span

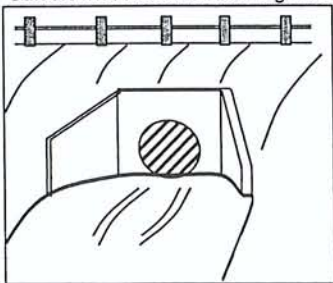
- 2) Rectangle
- 5) Elevated Arch

- 3) Elliptical
- 6) Pipe Arch

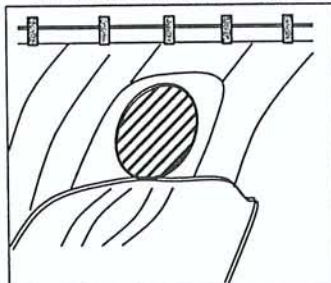
7) Other

Inlet/Outlet Type

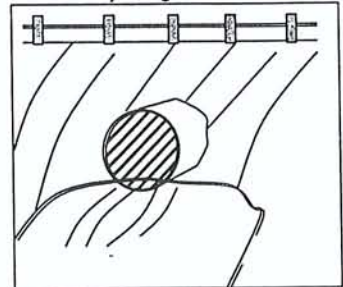
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

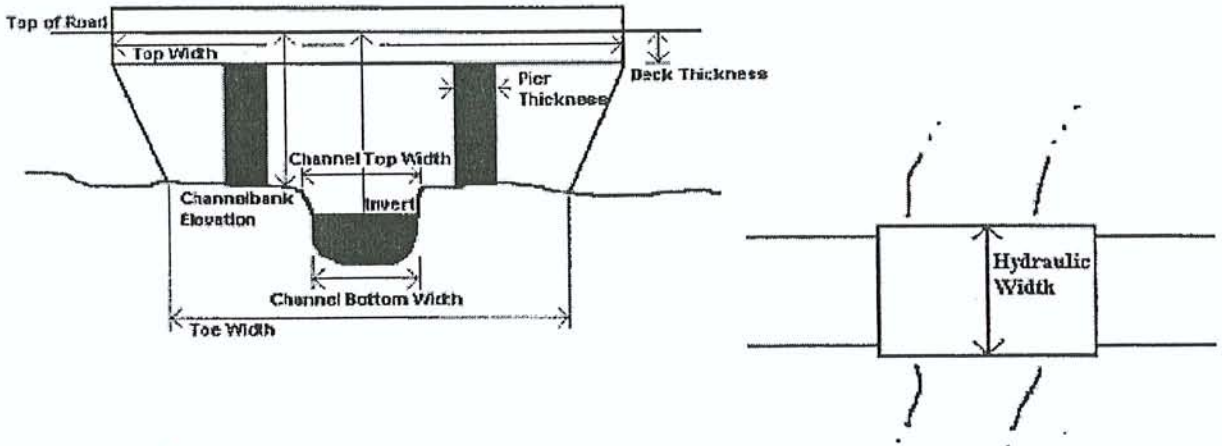


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



< Photo List >

SPC1 #182 ~ #185

PHOTOS	
Name	Description
Vertical conc wall L side	<p>Plenty of rocks & boulders</p> <p>grouted rock R side</p> <p>note: 1/2 of 126, R bank is much higher than over bank</p>

ADDITIONAL CHANNEL INFORMATION

truck repair 1/3 R -- much lower
than top of levee...

Land Use

occasional trees - eucalyptus
adj. to channel

Vegetative Cover

large boulders
in abundance of material

Bed Material

lots of bars & deposition
very steep

General Channel Condition

engineered 1/3 (see sketch prev pg)
natural 2/3

Banks

industrial on L & R (1/2)
open on R 1/3 - flat

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	3-5-08
ROAD NAME				COUNTY	
STREAM NAME				PHOTO ID #	
STRUCTURE #		X,Y COORDINATE			
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge	see plans/ topo			Top of Road EL	high pt in 5066 ft.
SPECIAL NOTE (Conditions, Blockage, etc)		Clear span - slight arch vertical walls both sides top of arch is top of wall el.			
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	Clear span	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

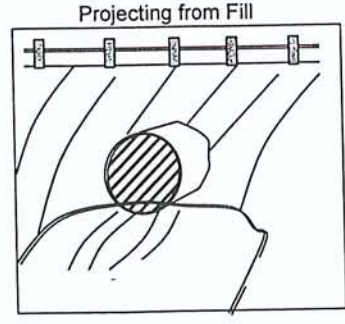
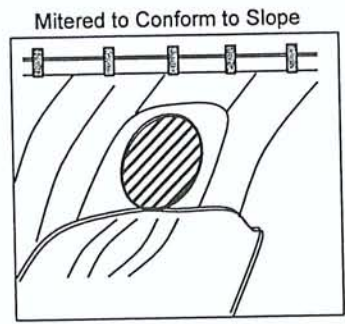
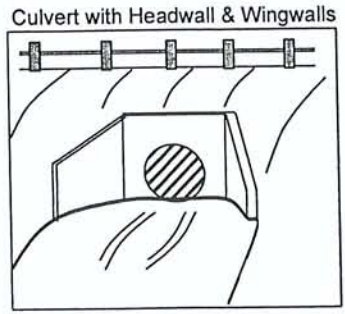
- 1) Circular pier
- 2) Twin-Cylinder piers
- 3) Elongated pier
- 4) Triangular nose
- 5) Square nose



Types (Shape) of Culvert

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

Inlet/Outlet Type

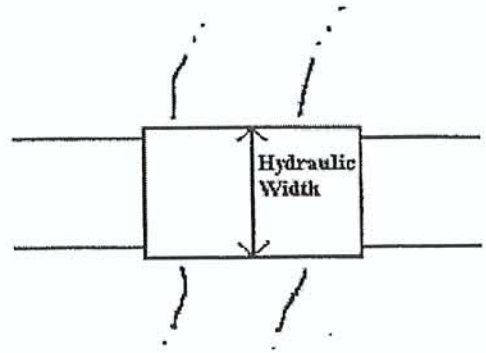
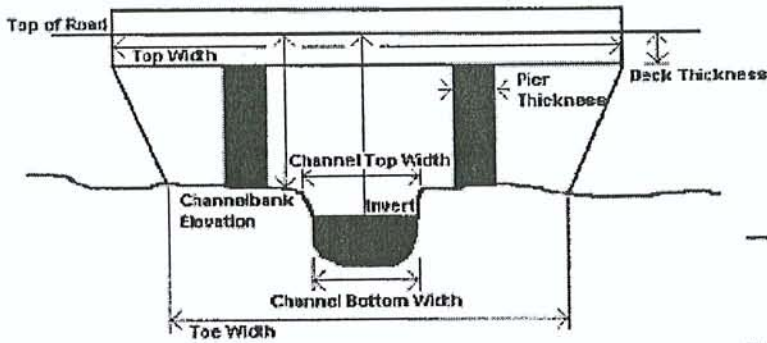


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



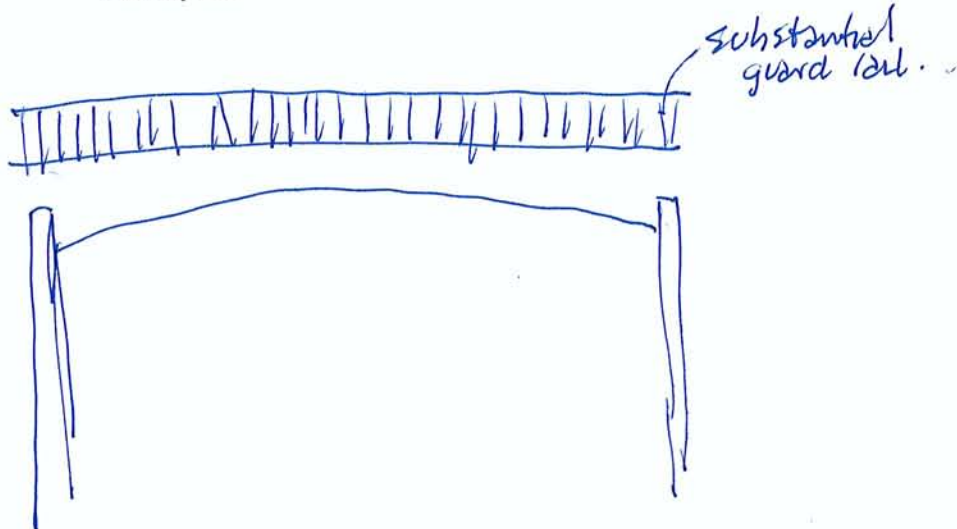
< Photo List >

SPC.2 #186~#188

PHOTOS

Name

Description



ADDITIONAL CHANNEL INFORMATION

Mixed

Land Use

None

Vegetative Cover

Large material

Bed Material

gravel bars, very steep
well defined by walls

General Channel Condition

vertical concrete

Banks

flat

Overbanks

STRUCTURE SURVEY TEMPLATE

3-5-08

ROAD NAME				DATE	
RR				3.5.08	
STREAM NAME				COUNTY	
Scouts Park					
STRUCTURE #		X,Y COORDINATE			
3					
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge	See topo/ plans			Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		Combo truss + clear span 1 pier support..			
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
- 4) Con/Span

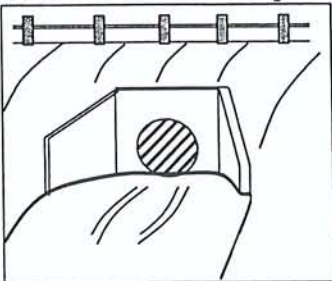
- 2) Rectangle
- 5) Elevated Arch

- 3) Elliptical
- 6) Pipe Arch

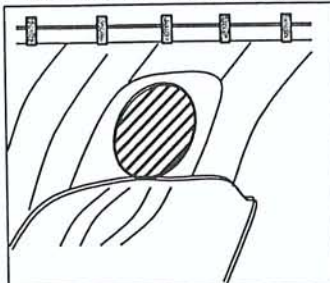
7) Other

Inlet/Outlet Type

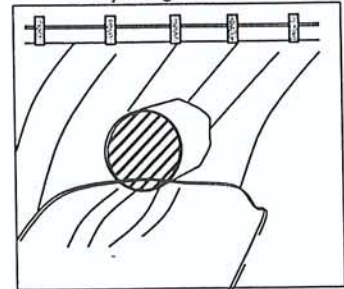
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

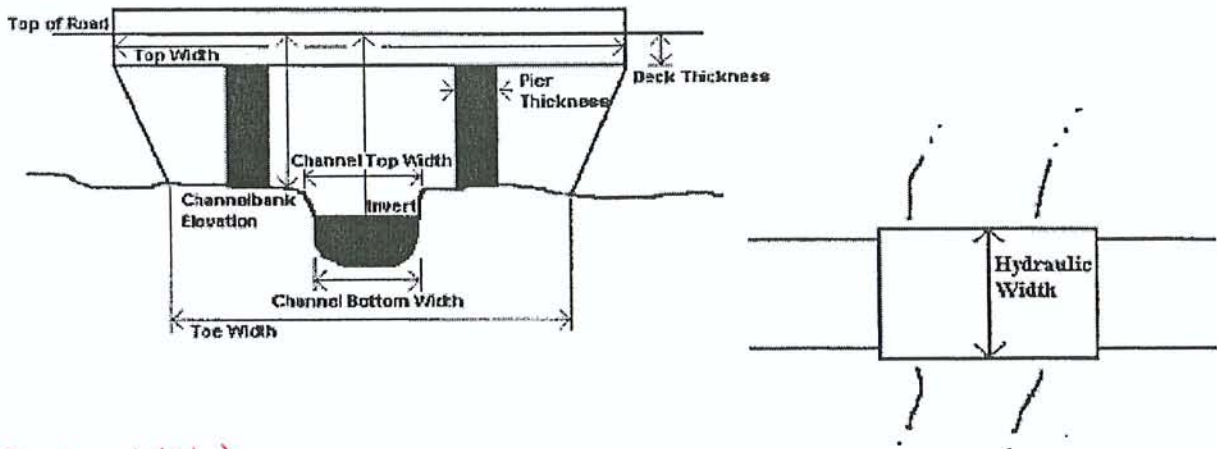


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



<Photo List>
 SPC 3 #189 ~ #192

PHOTOS	
Name	Description
	<p>large. dia pipe = support</p> <p>pier w/ debris mat</p>

ADDITIONAL CHANNEL INFORMATION

Residential on R, Industrial on L

Land Use

none

Vegetative Cover

Large material, not much veg

Bed Material

well defined between walls
bars + some deposition

General Channel Condition

Vertical concrete

Banks

flat.

Overbanks

note

channel banks transition
to grouted rock (2:1?) 1/2 ..

Maintenance roads on both banks.

STRUCTURE SURVEY TEMPLATE

				DATE	3-6-08	
ROAD NAME				COUNTY		
STREAM NAME				PHOTO ID #		
STRUCTURE #			X-Y COORDINATE			
TYPE		LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge					Top of Road EL	

SPECIAL NOTE
(Conditions, Blockage, etc)

deep canyon, steep banks "BR. # 442"

HIGH WATER MARK
(Description, Witness, and Date)

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge <u>Span Bridge</u> 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)

Very high suspension truss bridge clear span

Pier Shape

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

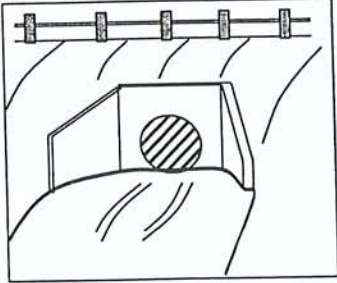


Types (Shape) of Culvert

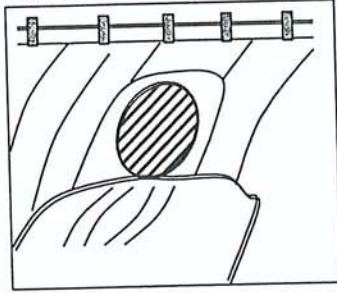
- | | | |
|-------------|------------------|---------------|
| | | |
| 1) Circular | 2) Rectangle | 3) Elliptical |
| | | |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

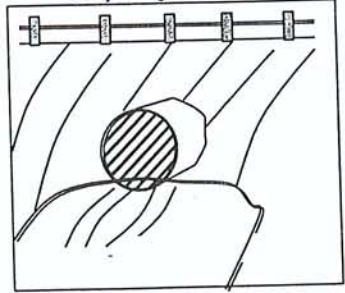
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

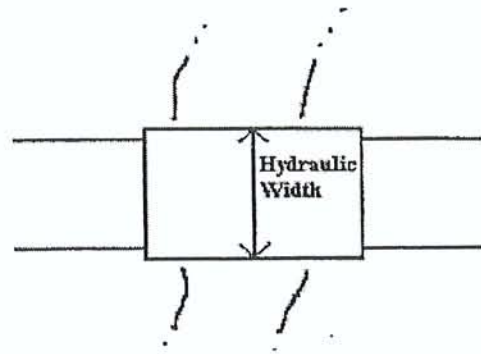
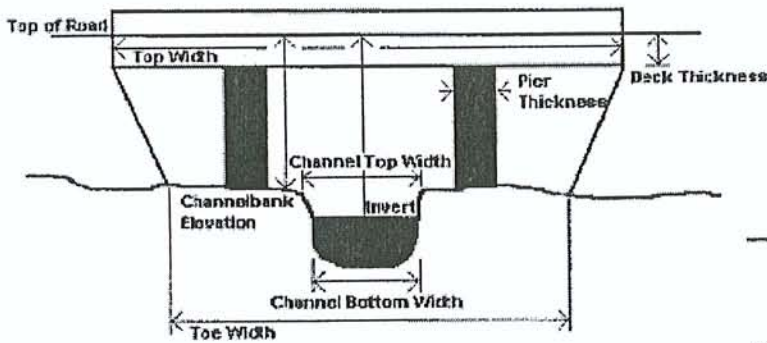


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
	~130'	
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS
	Ø	



< Photo List >

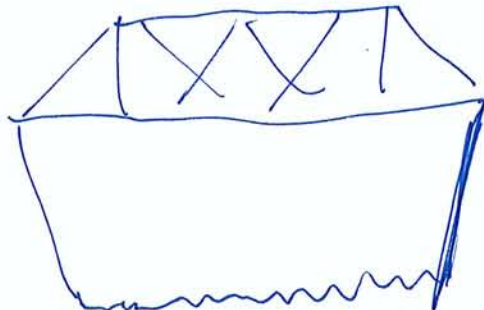
SPC4 #193~#195

PHOTOS

Name

Description

grout / concrete protection on ^{Right} both banks beneath bridge.



ADDITIONAL CHANNEL INFORMATION

sq, residences & open

Land Use

some tree cover - variety
oak, willow

Vegetative Cover

cobbles & boulders

Bed Material

winding wild river, not much veg on bottom

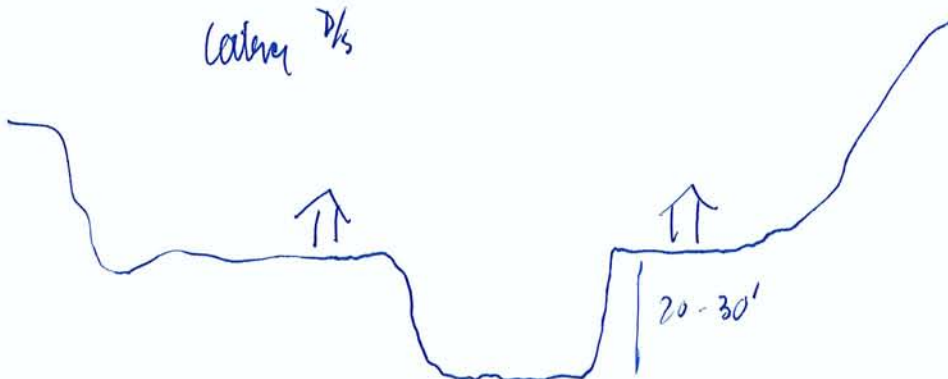
General Channel Condition

very steep

Banks

within a larger valley

Overbanks



STRUCTURE SURVEY TEMPLATE

				DATE	3-6-08
ROAD NAME	Irrigator Diversion Structure Near Rafferty Rd			COUNTY	
STREAM NAME	Santa Paula Cr			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)

grant grade control & confluence

HIGH WATER MARK
(Description, Witness, and Date)

no bridge - just a large drop

TYPE	LENGTH	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
- 4) Con/Span

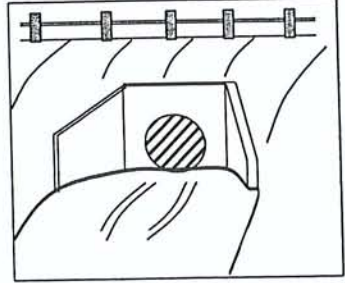
- 2) Rectangle
- 5) Elevated Arch

- 3) Elliptical
- 6) Pipe Arch

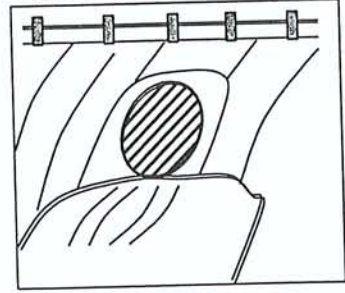
7) Other

Inlet/Outlet Type

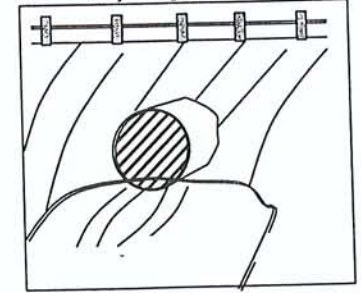
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

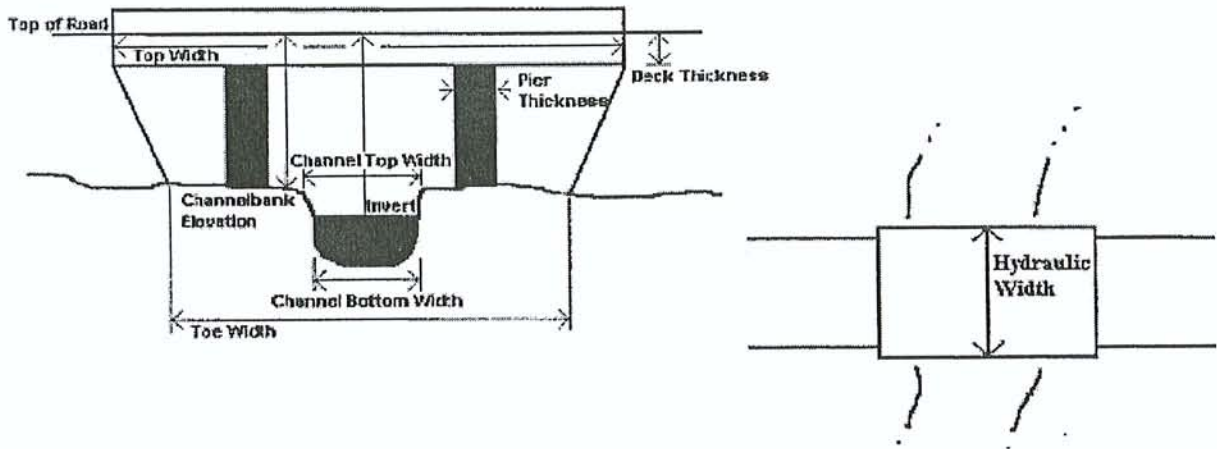


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



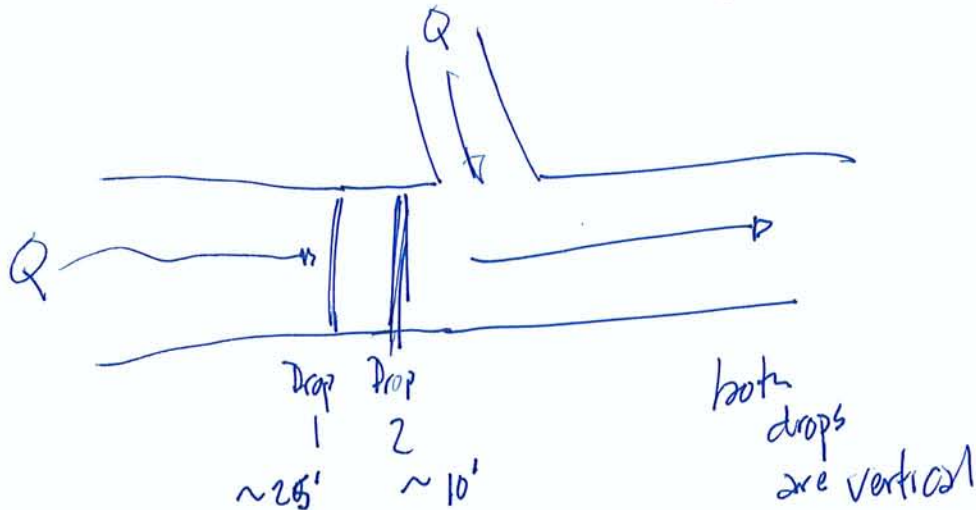
PHOTOS

Name

Description

< Photo List >

SPC5 #196~#198



ADDITIONAL CHANNEL INFORMATION

Canyon - some residue

Land Use

some large trees on banks

Vegetative Cover

large boulders d/s, large rocks & cobbles $\frac{1}{2}$ + ^{some} boulders

Bed Material

very defined d/s, more broad, sinuous, brushy $\frac{1}{2}$

General Channel Condition

~ vertical d/s - looks like solid rock.

Banks

within a larger canyon

Overbanks

grouted rock on R bank $\frac{1}{2}$ of drop
gravel bar mid channel $\frac{1}{2}$

Partial old
abutment on R bank ~ 100 yards $\frac{1}{2}$

STRUCTURE SURVEY TEMPLATE

				DATE	3-6-08
ROAD NAME			Mopo Road - in Stechel Park		COUNTY
STREAM NAME			Santa Pavia Creek		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)

need plans for soffort el.

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
- 4) Con/Span



- 2) Rectangle



- 5) Elevated Arch



- 3) Elliptical

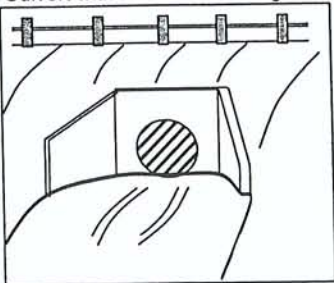


- 6) Pipe Arch

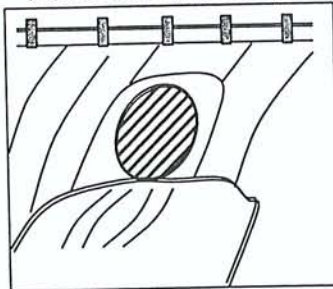
- 7) Other

Inlet/Outlet Type

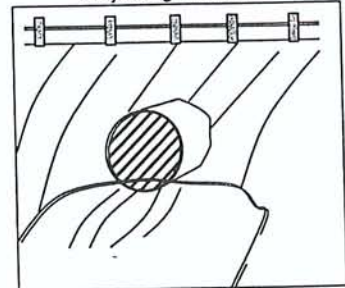
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

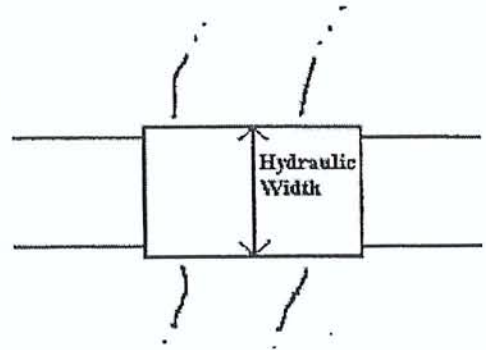
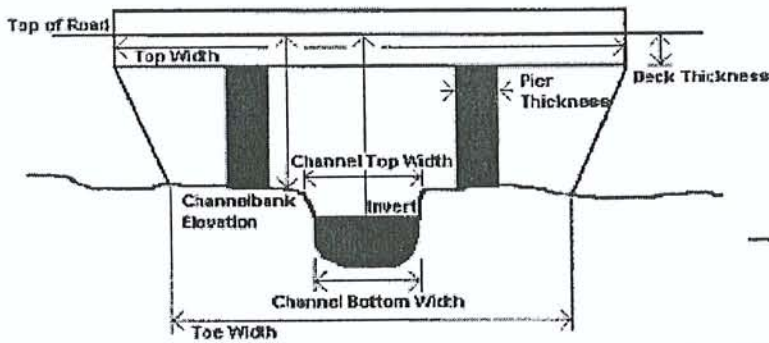


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH
	~150'	

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
see plans		
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS
		no piers



PHOTOS

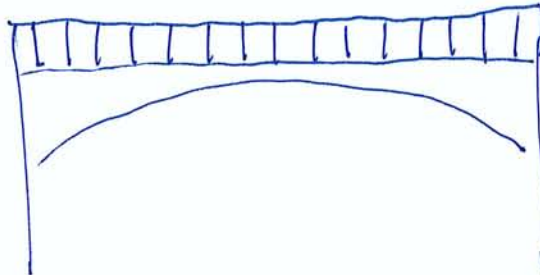
Name

Description

< Photo List >

SPC1 #199 ~ #202

Concrete structure including rail



ADDITIONAL CHANNEL INFORMATION

Steckel park

Land Use

Assorted trees / brush

Vegetative Cover

gravel + cobbles

Bed Material

natural river -- see pix

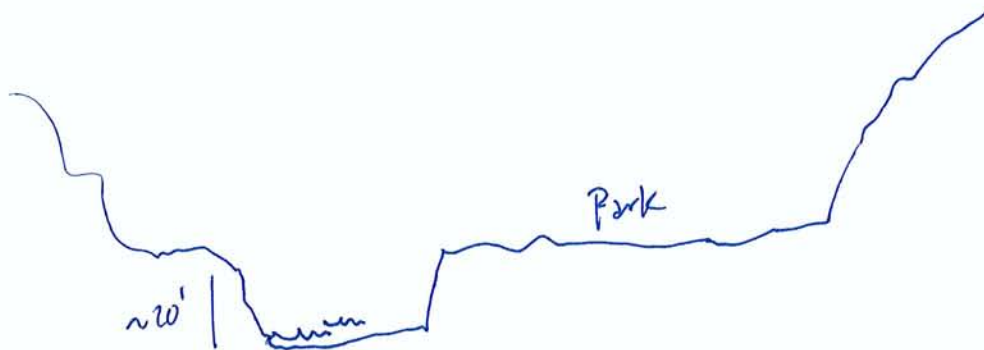
General Channel Condition

steep, some fishing brushy in spots

Banks

flat park area, wetland & larger valley area

Overbanks



STRUCTURE SURVEY TEMPLATE







				DATE	3-6-08
ROAD NAME		Hwy 150		COUNTY	
STREAM NAME		Santa Paula Ct		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)		Plans from Caltrans - only need bridge/split elevs.			
HIGH WATER MARK (Description, Witness, and Date)		bridge 52-105 150 VEN 28 ⁵⁸			
TYPE		GULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Spillway Riser Barrel Outlet	clear span @ bend	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

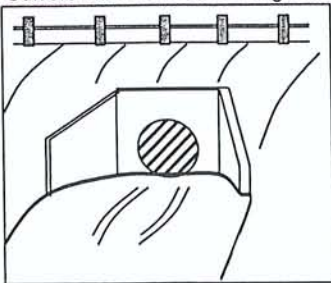


Types (Shape) of Culvert

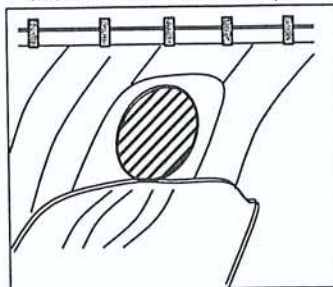
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

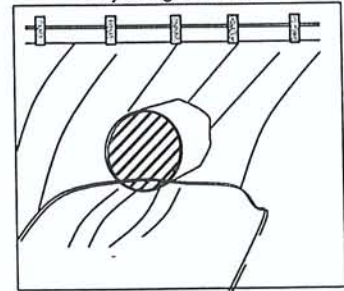
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

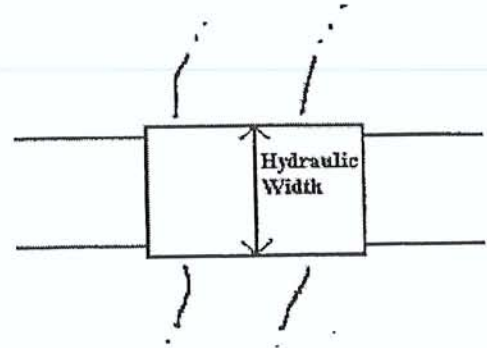
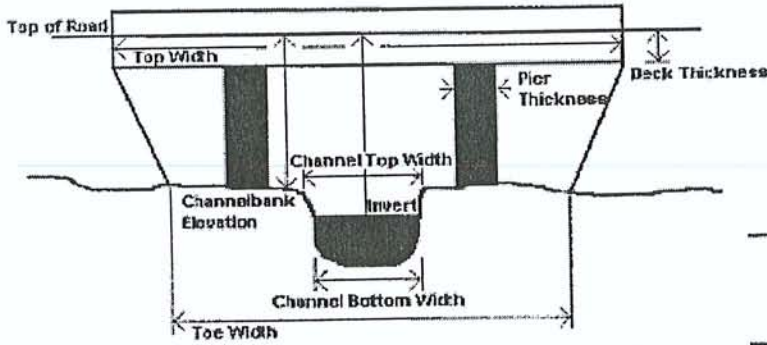


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



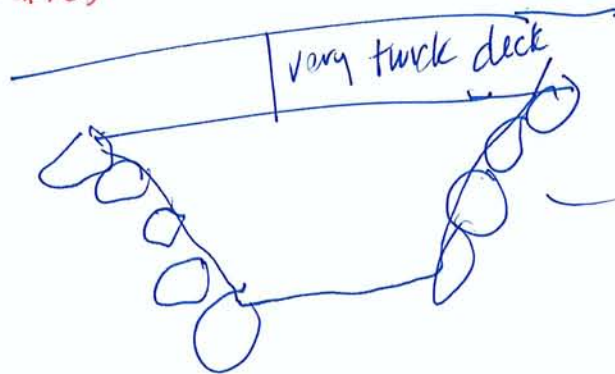
PHOTOS

Name

Description

< Photo List >

SPC7 #203 ~ #205



grouted rock.

ADDITIONAL CHANNEL INFORMATION

open area - Thomas Aquinas college on L
steep Hillside on R

Land Use

brush

Vegetative Cover

boulders - grouted locally up & d/s

Bed Material

steep mountain boulder stream

General Channel Condition

very steep

Banks

part of a deep valley.

Overbanks

STRUCTURE SURVEY TEMPLATE

ROAD NAME Highway 150				DATE 3-6-08	
STREAM NAME Santa Paula Creek				COUNTY	
STRUCTURE # 8			PHOTO ID #		
TYPE			X,Y COORDINATE		
LENGTH		SIZE (W X H) & SHAPE		MATERIAL	
Road to Bed		INLET/OUTLET TYPE			
Top of Road EL					
Railroad Bridge					

SPECIAL NOTE
(Conditions, Blockage, etc) see cat trans plans?

HIGH WATER MARK
(Description, Witness, and Date) Bridge 52-104
150 VEN R 28 ⁵⁴

TYPE	CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge <u>Span Bridge</u> Pier Shape clear span Culvert Dam Spillway Riser Barrel no pier 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

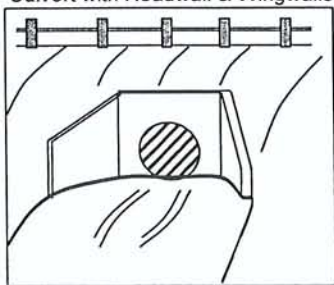


Types (Shape) of Culvert

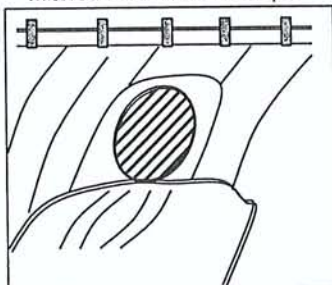
- | | | |
|-----------------|----------------------|-------------------|
|
1) Circular |
2) Rectangle |
3) Elliptical |
|
4) Con/Span |
5) Elevated Arch |
6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

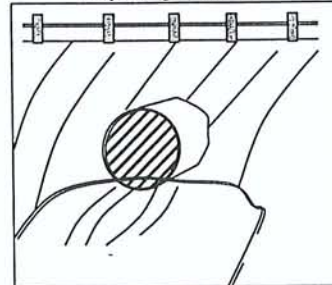
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

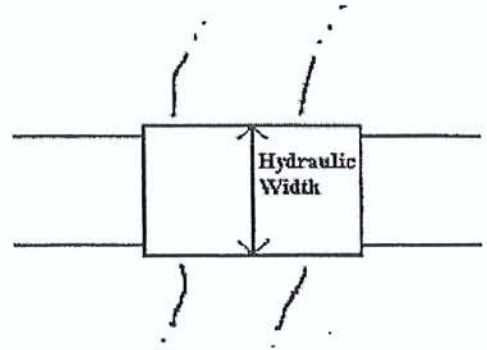
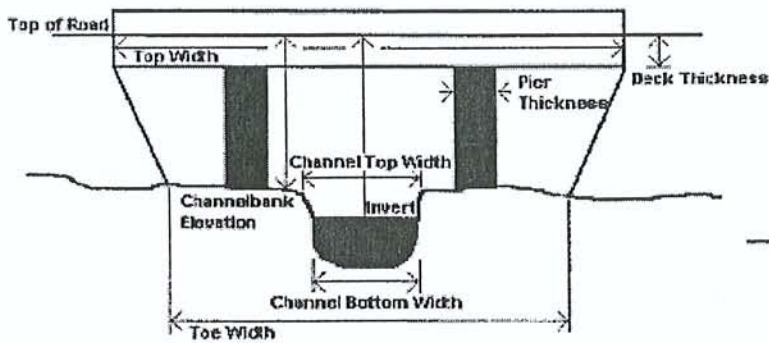


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

DECK THICKNESS	TOP WIDTH	TOE WIDTH
	~ 65'	
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS
		none



< Photo List >

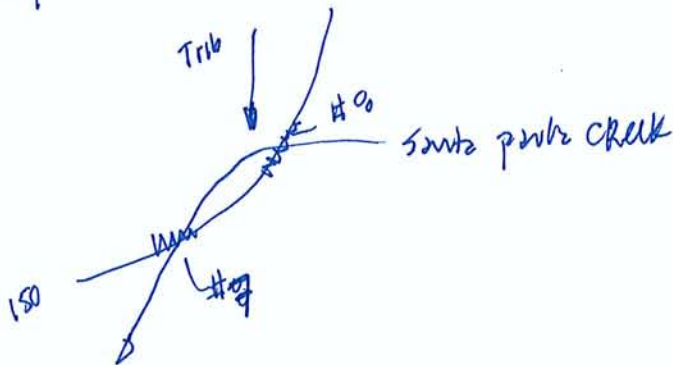
SPC8 #206 ~ #209

PHOTOS

Name

Description

R.C. Vertical wall extension v/s on L side
 bridge is in road v/s of confluence



ADDITIONAL CHANNEL INFORMATION

open space - canyon

Land Use

many tall trees, variety

Vegetative Cover

Boulders

Bed Material

steep mtn stream

General Channel Condition

irregular, steep, vertical in bridge

Banks

widened & deep canyon.

Overbanks
