STRUCTURE SURVEY TEMPLATE

				DATE	
ROAD NAME	Also Cin Rd			COUNTY	
STREAM NAME	Tizde Post			PHOTO ID #	
STRUCTURE #	1 (no structure) TP1		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)	At Grade Crossing				
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

2 photos.

Also Canyon Rd is paved..

ADDITIONAL CHANNEL INFORMATION

Land Use: Ranches + open space

Vegetative Cover: Brush

Bed Material: sand + gravel

General Channel Condition: what channel? undefined

Banks: none - gentle swale

Overbanks: neighboring homes / ranches ..

note: no defined channel at this location ..

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-08
ROAD NAME	RR			COUNTY	LA
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP 2		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		36" RCP		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	opening is buried ~6" at u/s end..				
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

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

4 photos

area u/s of RR probably acts as a detention basin..

Structure No. 42392 stamped on u/s side..

ADDITIONAL CHANNEL INFORMATION

Land Use open / ranch ds fenced area ROB u/s

Vegetative Cover brush, horse pasture P/S

Bed Material sand + gravel

General Channel Condition undefined

Banks undefined

Overbanks broad, brushy

STRUCTURE SURVEY TEMPLATE

				DATE	7·28·2008
ROAD NAME	Soledad Cyn Rd			COUNTY	LA
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP3 (small parallel crossing)		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		24" RCP		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)		D/S side, buried ~6"			
HIGH WATER MARK (Description, Witness, and Date)					

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

Pier Shape

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

Types (Shape) of Culvert

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

Inlet/Outlet Type

Culvert with Headwall & Wingwalls

Mitered to Conform to Slope

Projecting from Fill

CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

PHOTOS

Name	Description
looks like most flow goes over the road..	
U/S side looks like a drop inlet.	

ADDITIONAL CHANNEL INFORMATION

open d/s
open + sandus u/s

Land Use

brush, nearly cleared

Vegetative Cover

Sand & gravel

Bed Material

broad, undefined

General Channel Condition

none - gentle swale

Banks

some RV parking, mostly open..

Overbanks

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-2008
ROAD NAME	Soledad Cyn Rd			COUNTY	LA
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP 3 (connected)		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	DBL 7wx 6H box – appears new 9" wide pier				
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
~45° wing walls U/S & D/S paved outlet shelf.	4 photos (note: earlier photos of smaller, parallel crossing)

ADDITIONAL CHANNEL INFORMATION

Land Use: industrial (storage + retail) on L Bank, ds
ranches + open u/s

Vegetative Cover: brush

Bed Material: sand + gravel

General Channel Condition: broad, undefined, more defined u/s

Banks: some new rock on L side D/s

Overbanks: major trib from R. side, u/s.

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-08
ROAD NAME	Santiago Cyn Rd			COUNTY	LA
STREAM NAME	Trade Posa			PHOTO ID #	
STRUCTURE #	TP #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)	at grade crossing				
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

2 photos

ADDITIONAL CHANNEL INFORMATION

Land Use: open u/s
open + some residential d/s

Vegetative Cover: brush - some pretty tall

Bed Material: sand + gravel

General Channel Condition: incised immediately d/s of paved road.
u/s undefined (along road?)

Banks: R bank vertical D/s

Overbanks: brush.

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-2008
ROAD NAME	Hwy 14			COUNTY	CA
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP 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)	dbl RCP 6'dia + 4'H x 8'W box				
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

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
Trade Post @ Hwy 14 TP #5	8' × 4' box culvert; comes out at a skew.. big rocks immed d/s; immed turn to L
	dbl 6' dia projecting..
	3 photos d/s side.
	note: U/s side = CMP; D/s side = RCP..
	could not find box inlet; need plans..

ADDITIONAL CHANNEL INFORMATION

Land Use: open w/s, above sierra hwy = retail..

Vegetative Cover: brush

Bed Material: sand & gravel

General Channel Condition: semi defined

Banks: ~3' tall vertical b/s

Overbanks: brush.

STRUCTURE SURVEY TEMPLATE

				DATE	7-28-08
ROAD NAME	Sierra Highway + U/S complex			COUNTY	LA.
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP 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)	long culvert below retail center & Sierra Highway				
HIGH WATER MARK (Description, Witness, and Date)	Rd 2226 Inlet LA County				

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 72" x 69" 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
Co of L.A. NTD 1702	
outlet	sign @ D/s side of Sierra Highway
PD 2226	
Inlet	sign @ U/s end of retail center
	debris grate @ d/s end.
	grouted rock/drop @ outlet.

} See plans.

note: inlet looks bigger than outlet.

ADDITIONAL CHANNEL INFORMATION

Land Use: on top and U/S = retail + ranches; d/S = Hwy 14

Vegetative Cover: brush D/S, pasture + detention basin (?) U/S

Bed Material: Sand & gravel

General Channel Condition: undefined D/S, swale U/S

Banks: undefined

Overbanks: brush D/S, ranches U/S

STRUCTURE SURVEY TEMPLATE

				DATE	7·28·09
ROAD NAME	Cattle Creek Rd.			COUNTY	LA
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP 7		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge		116" x 82"		Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	wing walls u/s & d/s				
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) 116" 82" 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
pwld drop in apron @ U/S end	4 pictures

ADDITIONAL CHANNEL INFORMATION

Land Use: ranches / pasture U/S vineyard + open space D/S + detention D/S

Vegetative Cover: light brush

Bed Material: sand & gravel

General Channel Condition: fairly clean, no definition

Banks: general topo

Overbanks: ranches / residences.

STRUCTURE SURVEY TEMPLATE

				DATE	7·28·08
ROAD NAME	Mary Rd			COUNTY	LA
STREAM NAME	Trade Post			PHOTO ID #	
STRUCTURE #	TP 8		X,Y COORDINATE		
TYPE	LENGTH	SIZE (W X H) & SHAPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Railroad Bridge				Top of Road EL	
SPECIAL NOTE (Conditions, Blockage, etc)	detention basin -- need plans --				
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

recent development

drainage improvements

some likely underground..

1 picture

ADDITIONAL CHANNEL INFORMATION

Land Use open u/s residential d/s

Vegetative Cover light brush

Bed Material

General Channel Condition

Banks

Overbanks

held plans