

STRUCTURE SURVEY TEMPLATE







				DATE	
ROAD NAME	Confluence with Bouquet Cr.			COUNTY	
STREAM NAME	Dry			PHOTO ID #	
STRUCTURE #	H	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)		Dry & Bouquet are both conc lined			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Millway Tunnel 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) Bitumous 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

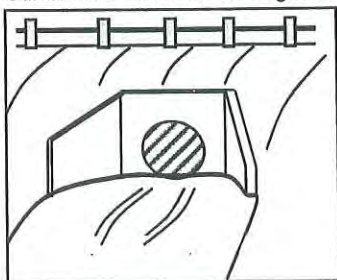


Types (Shape) of Culvert

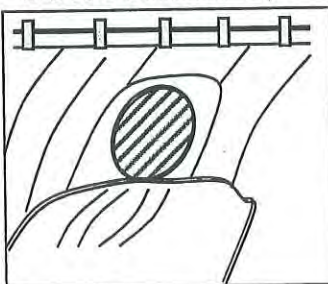
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

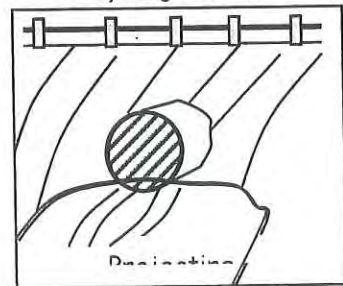
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

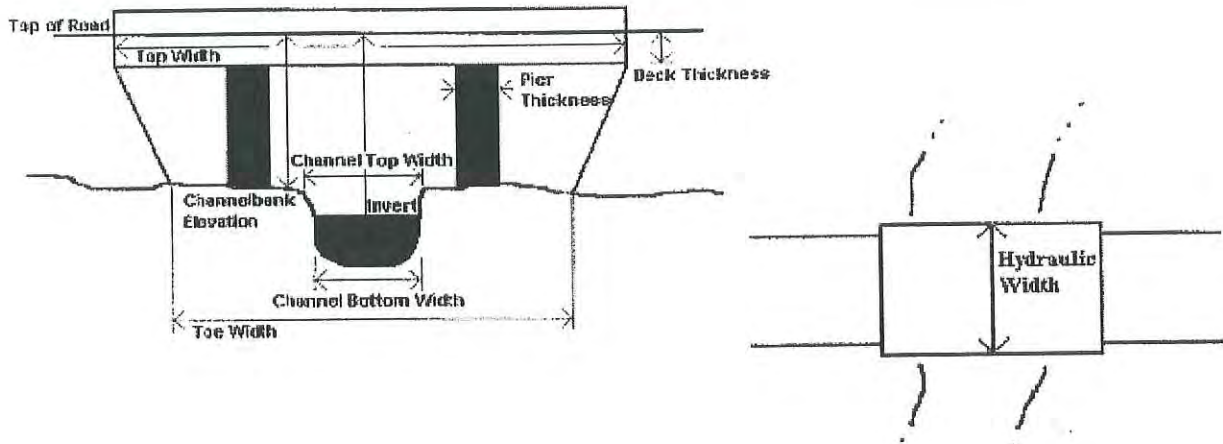


CHANNEL INFORMATION

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

*Bouquet
is vert. wall
conc channel
dry is trapezoidal*

ADDITIONAL CHANNEL INFORMATION

d/s = shopping mall
u/s = residential

Land Use

none

Vegetative Cover

concrete lined

Bed Material

clean

General Channel Condition

conc.

Banks

developed

Overbanks

d/s reach of Troy Cen
bottom width widened out
& bit for two
lower ~ 150'

STRUCTURE SURVEY TEMPLATE







				DATE	10.22.08
ROAD NAME	Festival Road to Ave			COUNTY	LA
STREAM NAME	Dry			PHOTO ID #	
STRUCTURE #	101	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)		Clear span bridge			
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 Millway Jersey 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) Bitumus 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

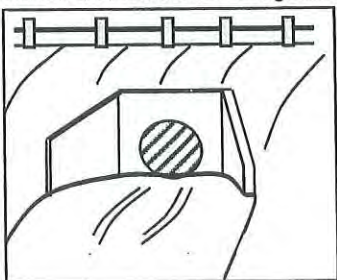


Types (Shape) of Culvert

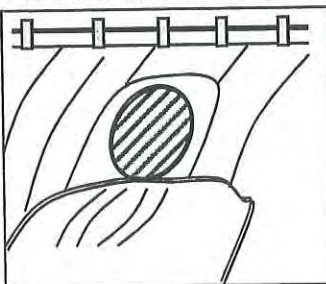
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

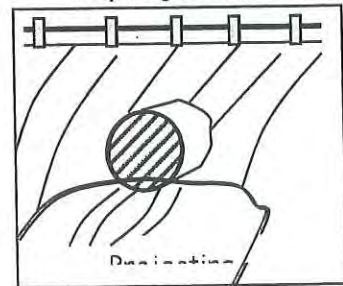
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

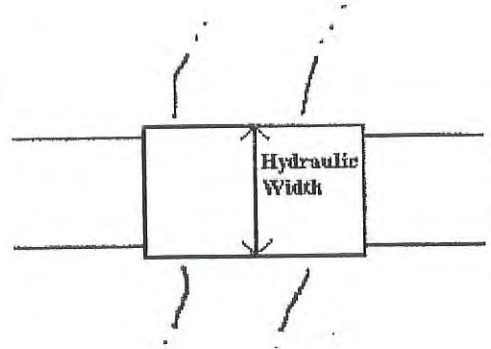
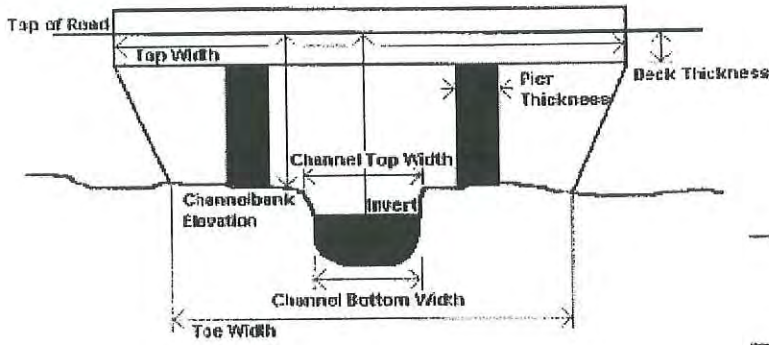


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



Name	Description	PHOTOS
<i>walls</i>		<i>4 picts</i>
		<i>walls</i> <i>main rd 1/2 L on R side</i> <i>only</i> <i>both</i>

ADDITIONAL CHANNEL INFORMATION

Land Use *residential*

Vegetative Cover *none*

Bed Material *conc*

General Channel Condition *clean*

Banks *conc*

Overbanks *developed*

STRUCTURE SURVEY TEMPLATE







				DATE	10-22-08
ROAD NAME	Gardner Tr			COUNTY	LA
STREAM NAME	Dry			PHOTO ID #	
STRUCTURE #	82		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)		Clear span bridge			
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 Millway User Barrel Outlet	clear	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

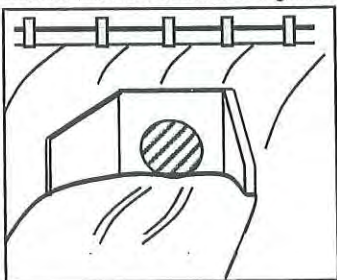


Types (Shape) of Culvert

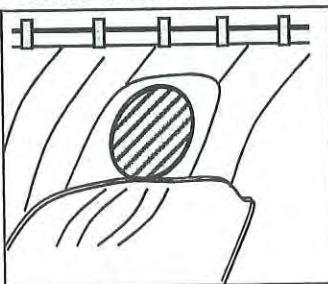
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

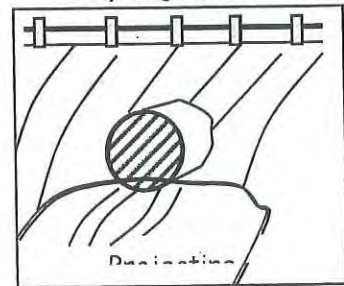
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

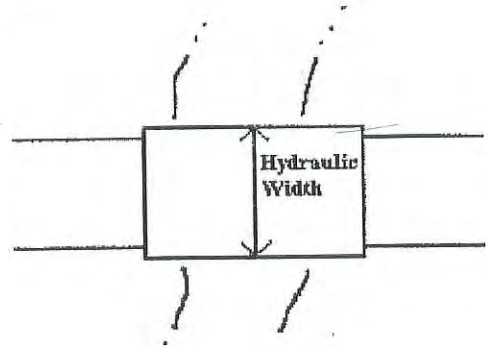
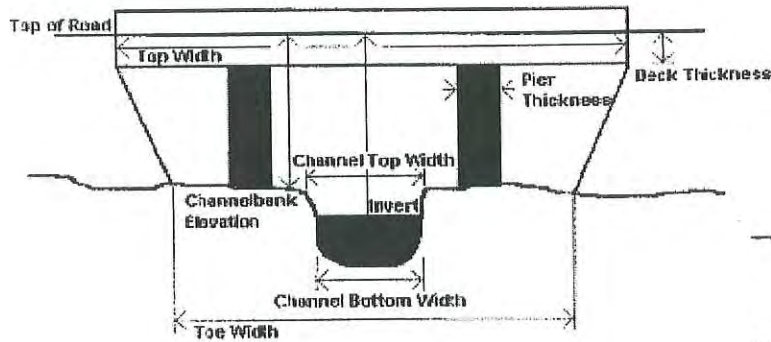


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

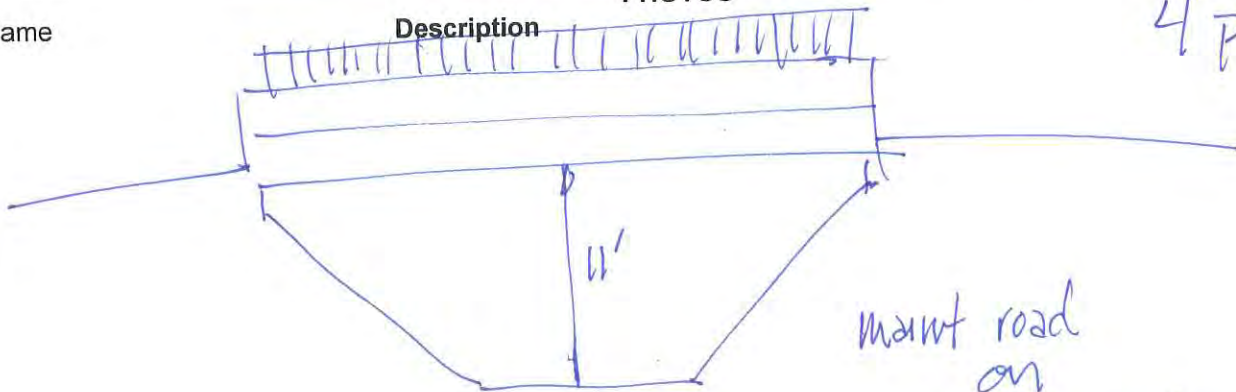


PHOTOS

Name

Description

4 pnts



maint road on L side only

ADDITIONAL CHANNEL INFORMATION

Land Use residential

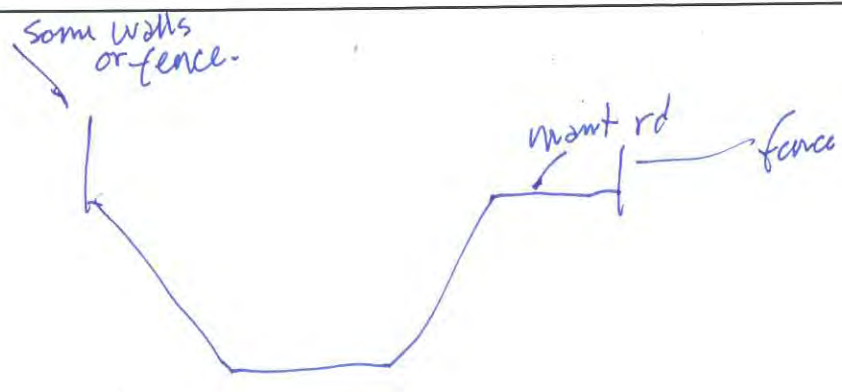
Vegetative Cover none

Bed Material conc.

General Channel Condition clean

Banks conc

Overbanks developed -



STRUCTURE SURVEY TEMPLATE







				DATE	10-22-08	
AD NAME	Decano			COUNTY	LA	
STREAM NAME	Dry			PHOTO ID #		
STRUCTURE #	8/3		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)			clear span bridge, conc lined channel			
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	clear span	1) Circular	CMP (Corrugated Metal Pipe)		Wingwalls Type 0°, 45°, 90°	
Pier Shape		2) Rectangle (Span X Rise)	Bitumus Coated	Top of Road EL	Projecting	
Culvert		3) Elliptical	Steel		Flush with Slope	
Dam		4) Con/Span	Timber	From Topo Map (FT.NGVD) or (FT.NAVD)	MES (Mitered End Section)	
ailway		5) Elevated Arch	Ductile		FES (Flared End Section)	
ser 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

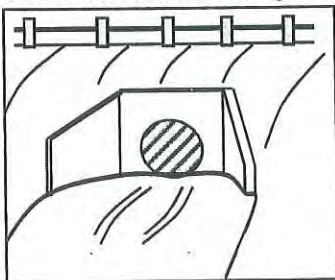


Types (Shape) of Culvert

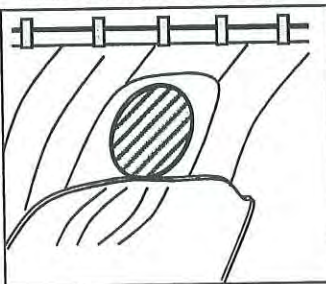
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

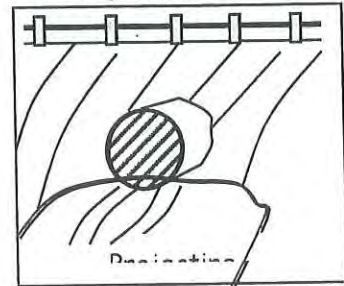
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

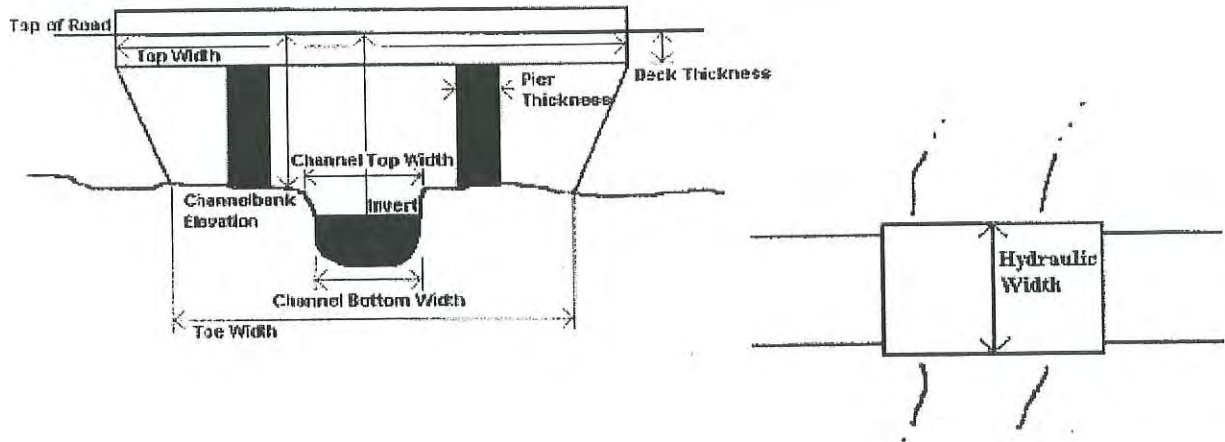


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

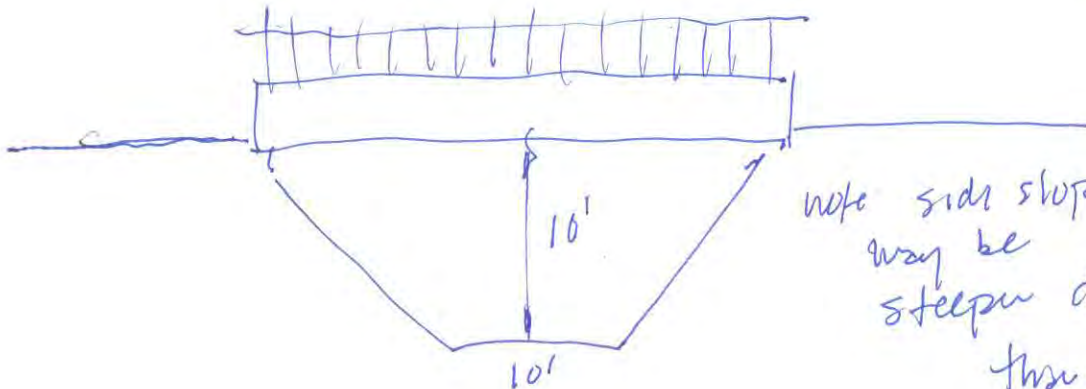


PHOTOS

Name

Description

4 piers



*note side slopes
may be
steeper d/s
than 1/5*

- need to verify...

ADDITIONAL CHANNEL INFORMATION

U/S: R = open, L = school
D/S: R = school, L = residential

Land Use

none, few residential & school trees

Vegetative Cover

conc. lined

Bed Material

clean

General Channel Condition

conc lined

Banks

roads, development

Overbanks

STRUCTURE SURVEY TEMPLATE







				DATE	
ROAD NAME	Pamplico Tr			COUNTY	
STREAM NAME	dry			PHOTO ID #	
STRUCTURE #	74		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)		Very similar to crossname # 6			
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	clear span	1) Circular	CMP (Corrugated Metal Pipe)		Top of Road EL
Pier Shape		2) Rectangle (Span X Rise)	Bitumus Coated		Projecting
Culvert		3) Elliptical	Steel	From Topo Map (FT.NGVD) or (FT.NAVD)	MES (Mitered End Section)
Dam		4) Con/Span	Timber		FES (Flared End Section)
Millway		5) Elevated Arch	Ductile		
Water 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

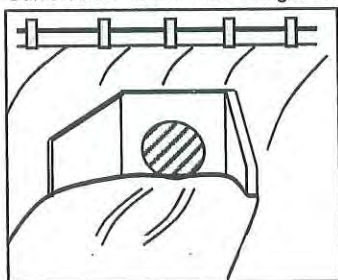


Types (Shape) of Culvert

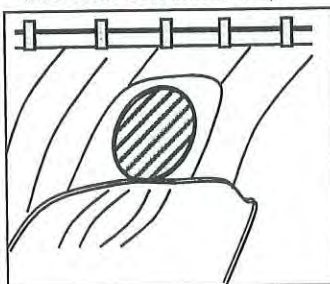
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

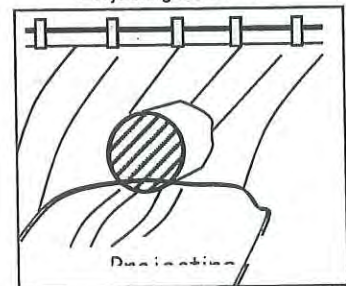
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

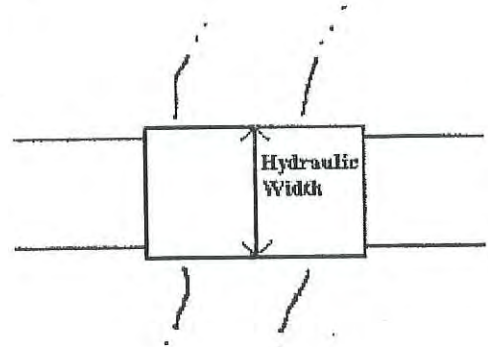
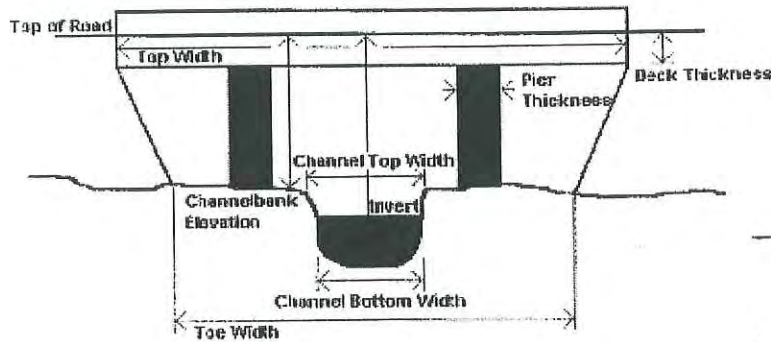


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



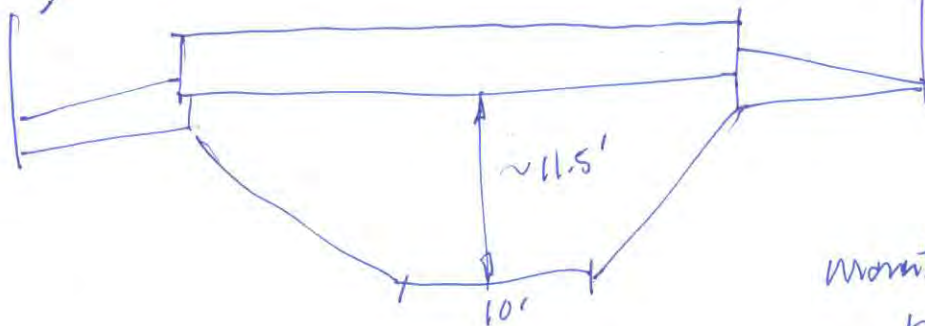
PHOTOS

Name

Some walls

Description

Some walls or faces



Mount rd on both sides

ADDITIONAL CHANNEL INFORMATION

Land Use

residential

Vegetative Cover

none

Bed Material

conc

General Channel Condition

clean

Banks

trap conc

Overbanks

residential

STRUCTURE SURVEY TEMPLATE







				DATE	10.22.08
ROAD NAME	Tupelo Ridge			COUNTY	LA
STREAM NAME	Dry			PHOTO ID #	
STRUCTURE #	Le 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)		clear span over top of lining...			
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 Millway Moser 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

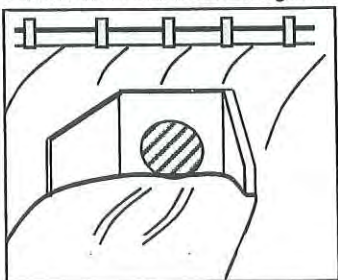


Types (Shape) of Culvert

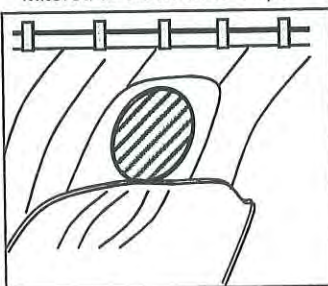
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

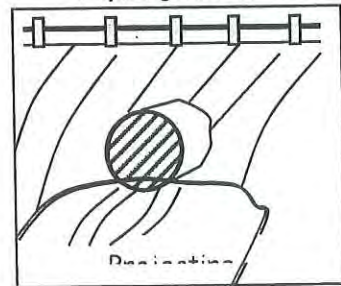
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

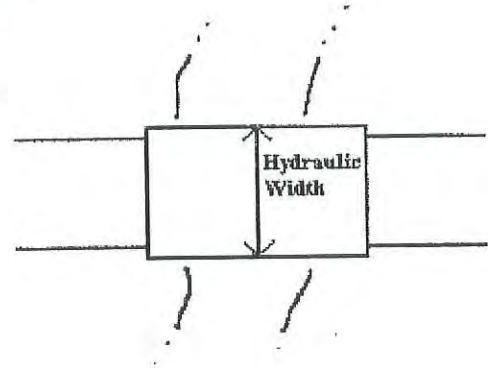
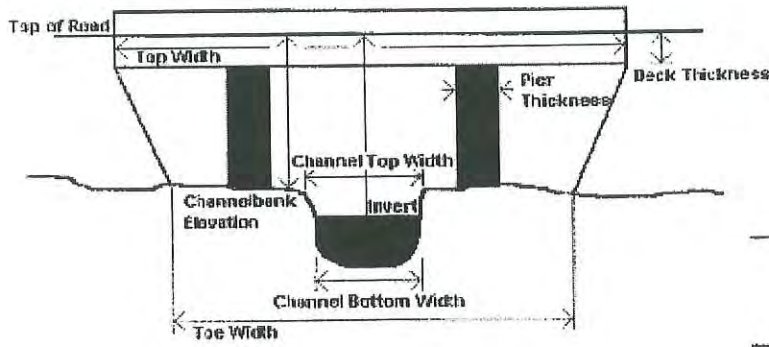


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

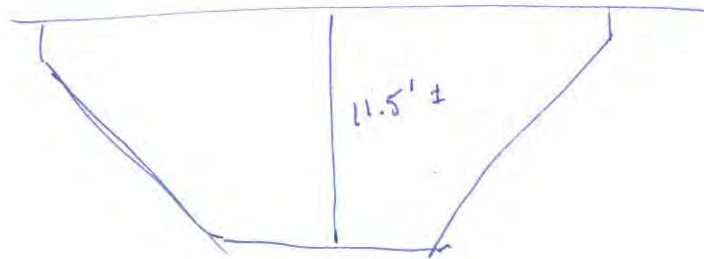


PHOTOS

Name

Description

4 picts



No transitions
clear span

ADDITIONAL CHANNEL INFORMATION

residential

Land Use

some trees near house

Vegetative Cover

conc.

Bed Material

clean

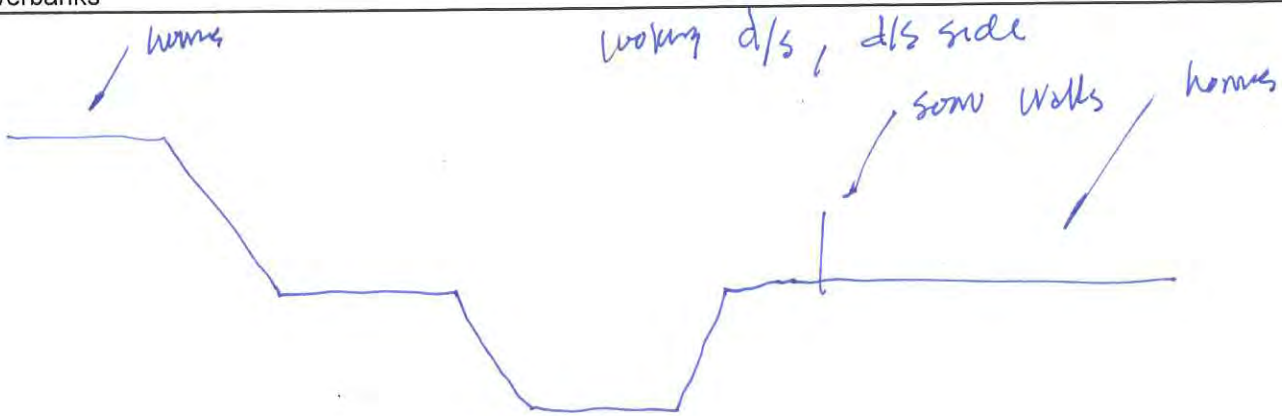
General Channel Condition

conc trap

Banks

residential + roads

Overbanks



maint road on both sides

STRUCTURE SURVEY TEMPLATE







				DATE	10.22.08
ROAD NAME	Copper Hill			COUNTY	LA
STREAM NAME	Dry			PHOTO ID #	
STRUCTURE #	86	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)		Same - similar to 1/2 crossings now BW = 14.5'			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Millway Culver Barrel Outlet		Number of Barrels 1 1) Circular 14.5' x 10' 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

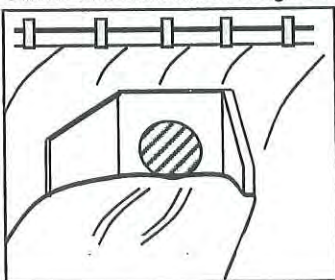


Types (Shape) of Culvert

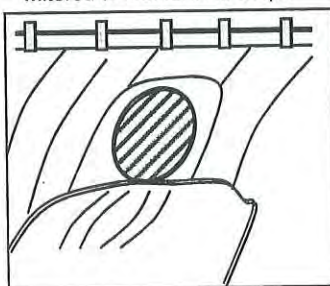
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|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

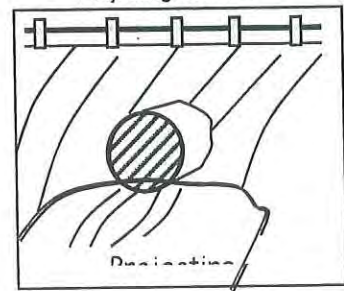
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

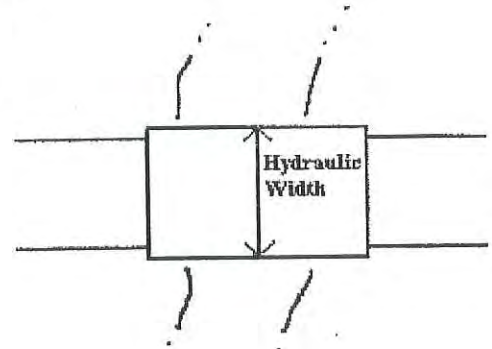
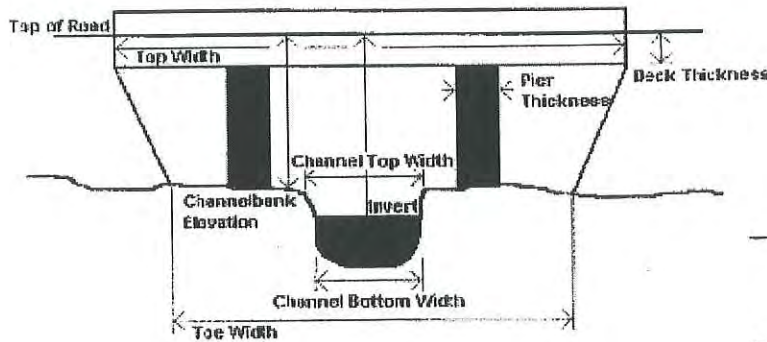


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

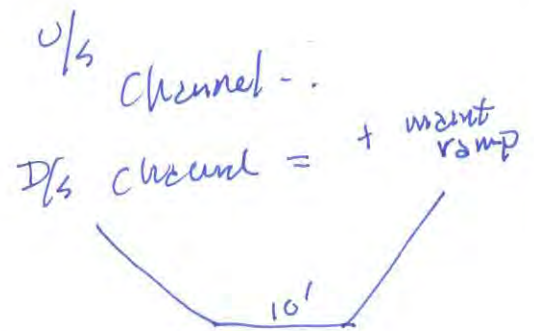
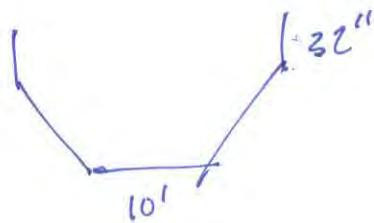
DECK THICKNESS	TOP WIDTH	TOE WIDTH
HYDRAULIC WIDTH	NUMBER OF PIERS	PIER THICKNESS



PHOTOS

Name

Description



culvert curves below street (Copper Hill)

outlets on side of shopping center...

ADDITIONAL CHANNEL INFORMATION

Land Use *4/5 residential*
aka shopping center

Vegetative Cover *none*

Bed Material *lined*

General Channel Condition *clear*

Banks *trap 1/2 vertical in box*

Overbanks *developed*

4 picts ..

STRUCTURE SURVEY TEMPLATE







				DATE	10.22.08
ROAD NAME	Banyan			COUNTY	LA
STREAM NAME	Dry			PHOTO ID #	
STRUCTURE #	47		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)		Same as crossing 3, except softest now 2' tall			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Railway Sewer 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

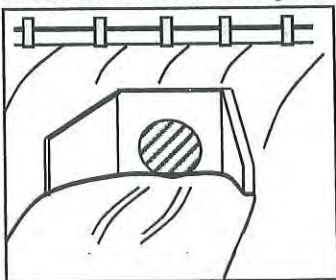


Types (Shape) of Culvert

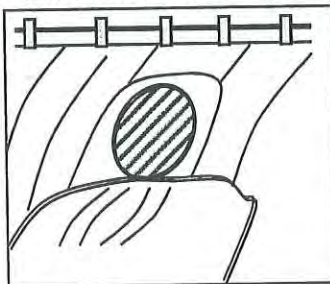
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

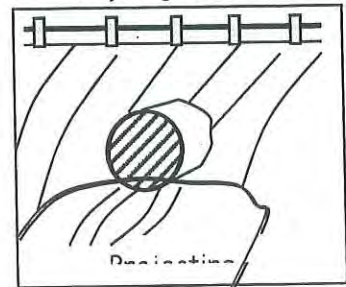
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

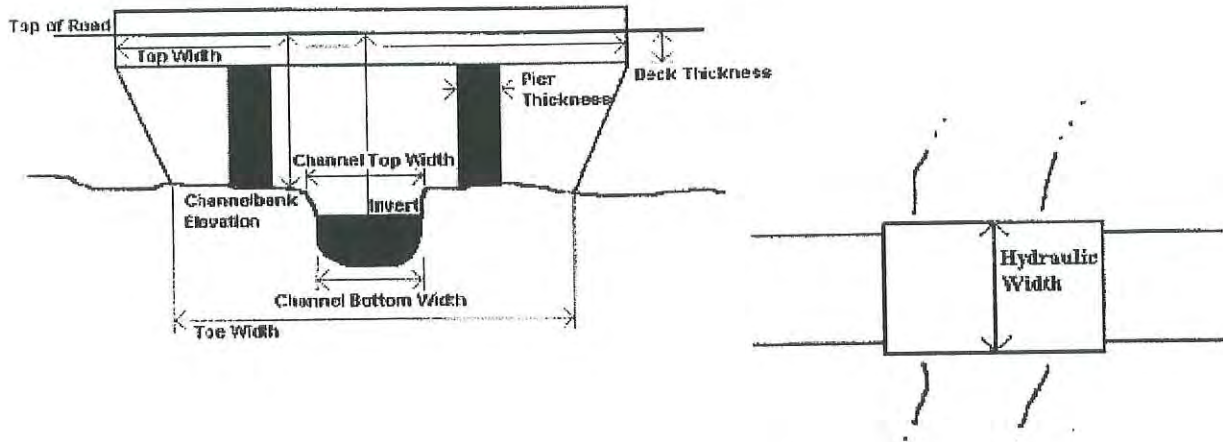


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

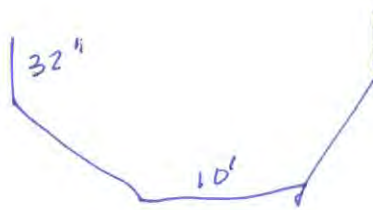


PHOTOS

Name

Description

*D/S 1/2 U/S
Channel*



ADDITIONAL CHANNEL INFORMATION

See Crossing 2

Land Use

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks



STRUCTURE SURVEY TEMPLATE







				DATE	10-22-08
ROAD NAME		TAMARACK		COUNTY	LA
STREAM NAME		Dry		PHOTO ID #	
STRUCTURE #		38		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)		Identical to crossing 2 @ Boxwood -			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Millway Sinker Barrel Outlet		Number of Barrels 1 1) Circular 2) Rectangle (Span X Rise) <u>18 10</u> 3) Elliptical 4) Con/Span 5) Elevated Arch 6) Pipe Arch 7) Other	RCP (Reinforced Concrete Pipe) CMP (Corrugated Metal Pipe) Bitumus 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

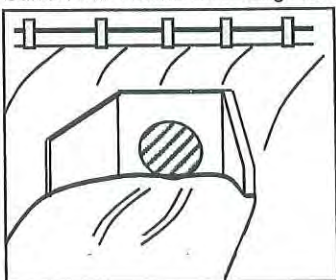


Types (Shape) of Culvert

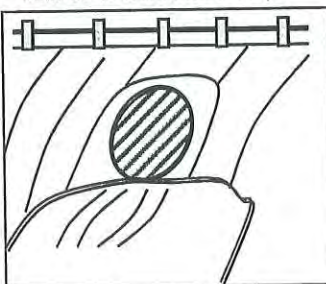
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

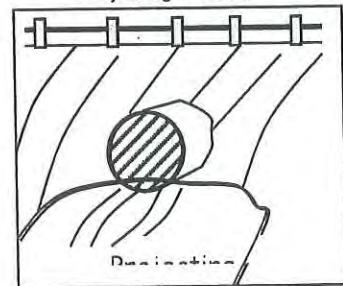
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

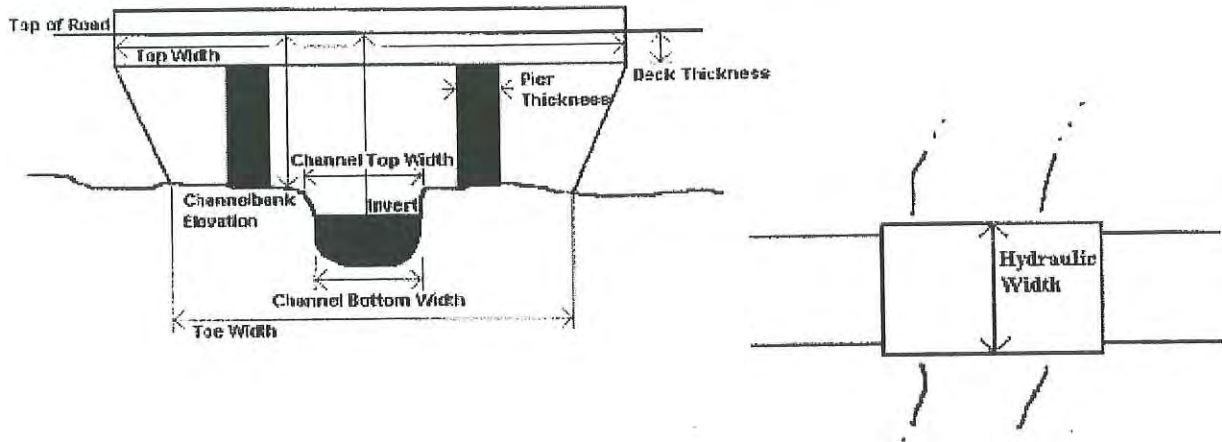


CHANNEL INFORMATION

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

4 photos

ADDITIONAL CHANNEL INFORMATION

Land Use

See Crossway 2

Vegetative Cover

Bed Material

General Channel Condition

Banks

Overbanks



STRUCTURE SURVEY TEMPLATE







				DATE	10-22-08
ROAD NAME	Boxwood			COUNTY	
STREAM NAME	Dru			PHOTO ID #	
STRUCTURE #	29		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)		clear box			
HIGH WATER MARK (Description, Witness, and Date)					
TYPE		CULVERT TYPE	MATERIAL	Road to Bed	INLET/OUTLET TYPE
Bridge Span Bridge Pier Shape Culvert Dam Millway Sewer Barrel Outlet		Number of Barrels ① 1) Circular 12 10 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

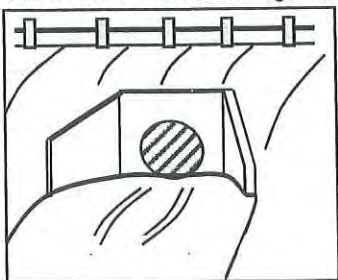


Types (Shape) of Culvert

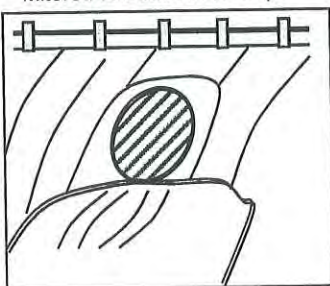
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

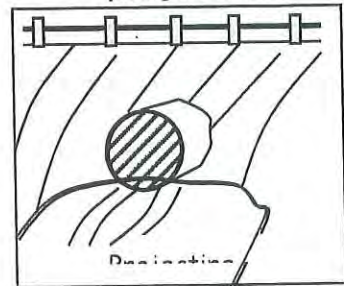
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

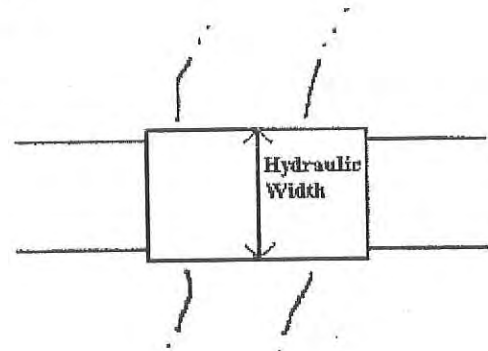
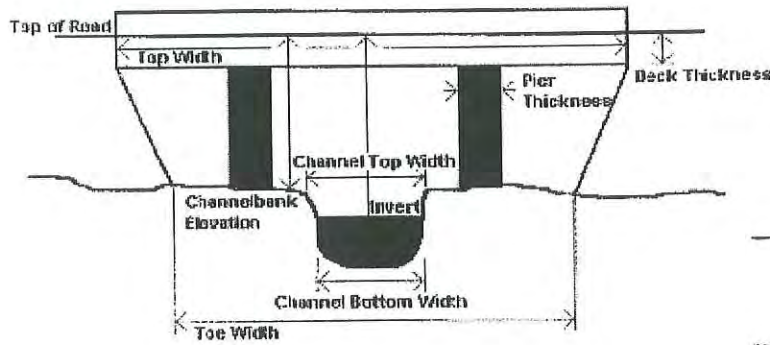


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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

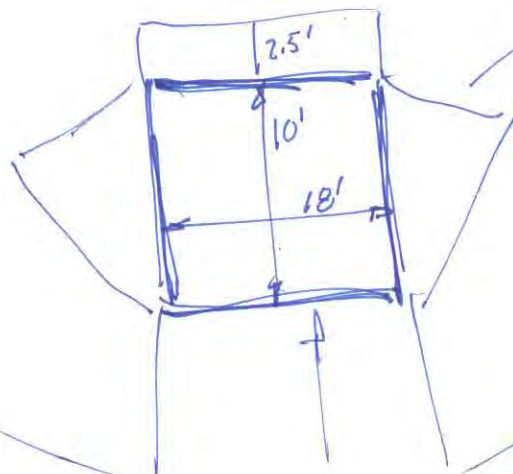


PHOTOS

Name

Description

*note
V/S Channel
bw = 10'*



*Warping
Concrete
transition*

27 *parts*

ADDITIONAL CHANNEL INFORMATION

Land Use residential

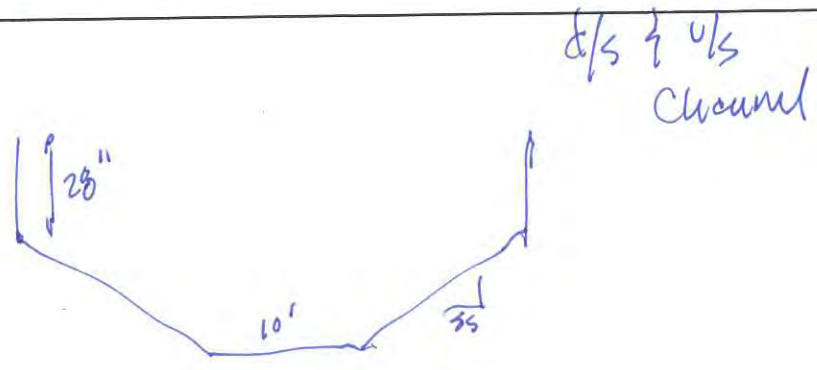
Vegetative Cover none -- conc channels -- few trees on overbank

Bed Material concrete

General Channel Condition clean

Banks trap channel, lowered below surrounding ground

Overbanks residences, some trees



STRUCTURE SURVEY TEMPLATE







				DATE	10-22-08
ROAD NAME	Dry Cyn Detention Pond			COUNTY	LA
STREAM NAME	Dry Cyn			PHOTO ID #	
STRUCTURE #	10	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 pond + spillway down to fully-lined conc channel			
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		1) Circular	CMP (Corrugated Metal Pipe)		Top of Road EL
Pier Shape		2) Rectangle (Span X Rise)	Bitmus Coated	From Topo Map (FT.NGVD) or (FT.NAVD)	Projecting
Culvert		3) Elliptical	Steel		Flush with Slope
Dam		4) Con/Span	Timber		MES (Mitered End Section)
Spillway		5) Elevated Arch	Ductile		FES (Flared End Section)
Gravel 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

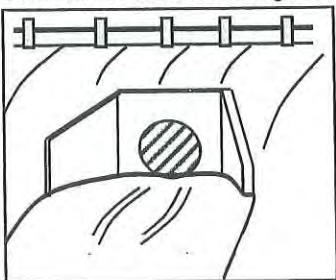


Types (Shape) of Culvert

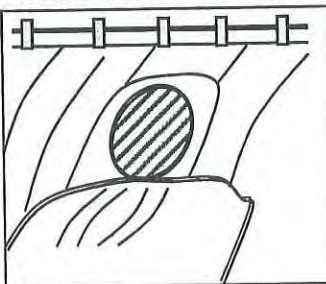
- | | | |
|---|---|---|
|  |  |  |
| 1) Circular | 2) Rectangle | 3) Elliptical |
|  |  |  |
| 4) Con/Span | 5) Elevated Arch | 6) Pipe Arch |
| 7) Other | | |

Inlet/Outlet Type

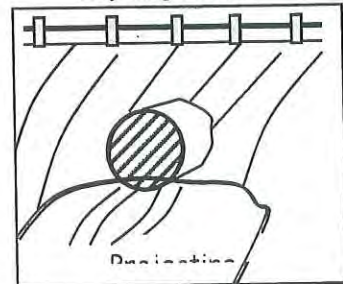
Culvert with Headwall & Wingwalls



Mitered to Conform to Slope



Projecting from Fill

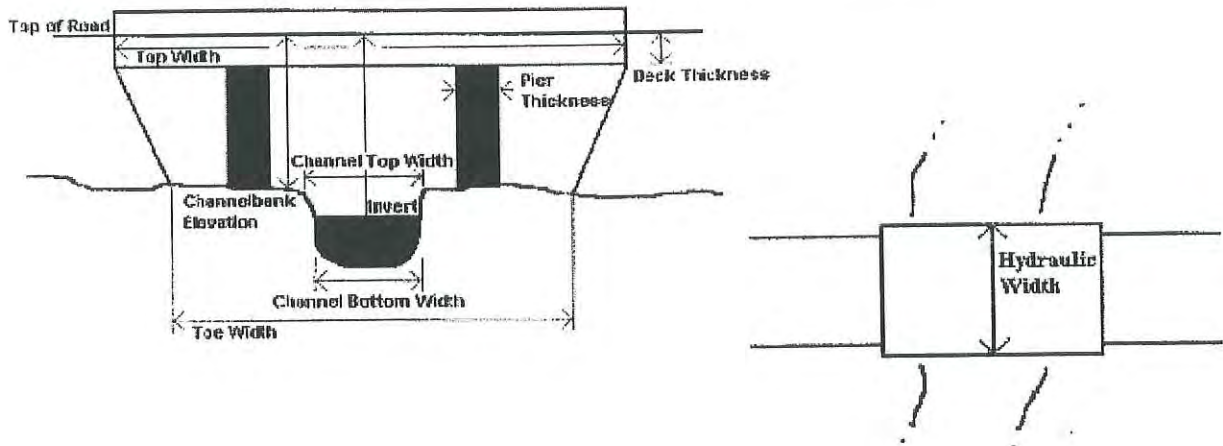


CHANNEL INFORMATION

ROAD TO BANK	CHANNEL TOP WIDTH	CHANNEL BOTTOM WIDTH

BRIDGE INFORMATION

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



PHOTOS

Name

Description

3 pictures

note: 3 inlets to detention pond
 channel d/s is fully lined conc trap
 with vertical freeboard

ADDITIONAL CHANNEL INFORMATION

big dam v/s

Land Use

residential adjacent + d/s

Vegetative Cover

none

Bed Material

sand in detention basin

General Channel Condition

clear, clean

Banks

- conc lined trap d/s

Overbanks

residential