U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF No. RBS - LACO - 002 - 0	
	Sheet # 1 of 47	Federal Project # EO ER - _____ ( )
	Disaster No. CA 13 - 2	PR ER - _____ ( )

Applicant	County	Incident Date (mm/dd/yyyy)	Inspection
L.A. COUNTY D.P.W.	LOS ANGELES	05/30/2013	11/25/13

Location of Damage: Per Site [✓] or [ ] Per Mile

Name of Road/Bridge: Elizabeth Lake Road (X250000739, N8280008)

PM Begin: M.M. 16.71 PM Length: 16,685 (in feet)

PM End: M.M. 19.87

Federal-aid Highway? Y for yes, if no, ineligible for ER funds [Y]

Map No 13T41, 13T42, 13T52

Functional Classification Type: Major Collector

Road/Bridge Data: Bridge No _____ Type: _____ Route # _____

Traveled Way: Width 24-36 Type: PCC [ ] AC [✓] Gravel [ ]

Shoulder: Width 44-81 Type: PCC [ ] AC [ ] Gravel [✓]

Forest Hwy? Y/N [Y] Interstate? Y/N [N]

Existing ADT: 3,354

Description of Damage: The 2013 PowerHouse Fire burned/damaged trees, created excessive sloughings .

Rec'd 11/18/2013 PS

COST ESTIMATE

	Type of Repair	Description of Work	Cost Summary	
Emergency Opening (EO)	EO- AGENCY FORCES CT Work Order #(s): _____ EA(s): _____	Replace burned/damaged traffic signs and raised pavement markers. Place road closure signs. Remove debris from culvert inlet. Install standpipes. See page 2 – for additional scope of work.	PE	68,684
			CE	29,436
			Construction	490,600
	EO- CONTRACT EO EA(s): _____		PE	
			CE	
			Construction	
	NOTE: Environmental documentation for EO is required. It is generally started after work has begun.		R/W	10,000
		Subtotal Emergency Opening		$598,720
Permanent Restoration (PR)	PR- CONSTRUCTION FA requires an approved PIF [ ] Contract [ ] FA PR EAs _____		PE	
			CE	
			Construction	
	NOTE:PRIOR AUTHORIZATION (APPROVED E-76) IS REQUIRED TO PROCEED WITH PERMANENT RESTORATION R/W & CONSTRUCTION		R/W	
	NOTE: Environmental clearance for permanent restoration is conducted through normal Federal-aid procedures	**Subtotal Permanent Restoration**		$0

Eligible	Signature	Date		
[✓] Yes [ ] No	Local Agency (if applicable):	11/13/13	PE Total	$68,684
[✓] Yes [ ] No	Caltrans: Reynaldo B. Sarmiento, 11/26/13		CE Total	$29,436
[ ] Yes [ ] No	FHWA*: NOT APPLICABLE		R/W Total	$10,000
			Construction Total	$490,600
		TOTAL ESTIMATE		**$598,720**

Agency sig. Name (print): Ray Saleh proxy

CT signature Name (print): REYNALDO SARMIENTO

FHWA Sig. Name (print): NOT APPLICABLE

DAF Prepared by (print): Tung Vu / Glenn Tong

Original: Caltrans District **Copies**: FHWA, Division of Local Assistance(local roads), Federal Resources (state hwy), HQ Major Damage Engineer (state hwy)

*Write "N/A" in FHWA signature block if the project has no Federal ER funding or Federal ER funding delegated to the State.

FHWA Signature: REQUIRED for all Federal Funded State projects. REQUIRED for any Local Agency projects with 1) any BETTERMENT, 2) more than 2 ROW takes or 3) when paving is more than 50% of the Total Estimated Cost. **Reminder: This DAF must be accompanied by photos of the damage.**

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 2 of 47

Applicant LA County Dept of Public Works

Agency EO Calc ☑ EO contract ☐ PR Calc ☐

Quantity*	Unit*	Labor, Materials, and Equipment	Unit Price	Cost
980	LF	Placement of temporary K-rails	43.88	43,000.00
1	LS	Install stand pipes & remove debris from inlets	438,000.00	438,000.00
1	LS	Emergency road closures/barricading	9,000.00	9,000.00
1	LS	Replace signage	600.00	600.00
				0.00
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				0.00
				0.00
			Total	490,600.00

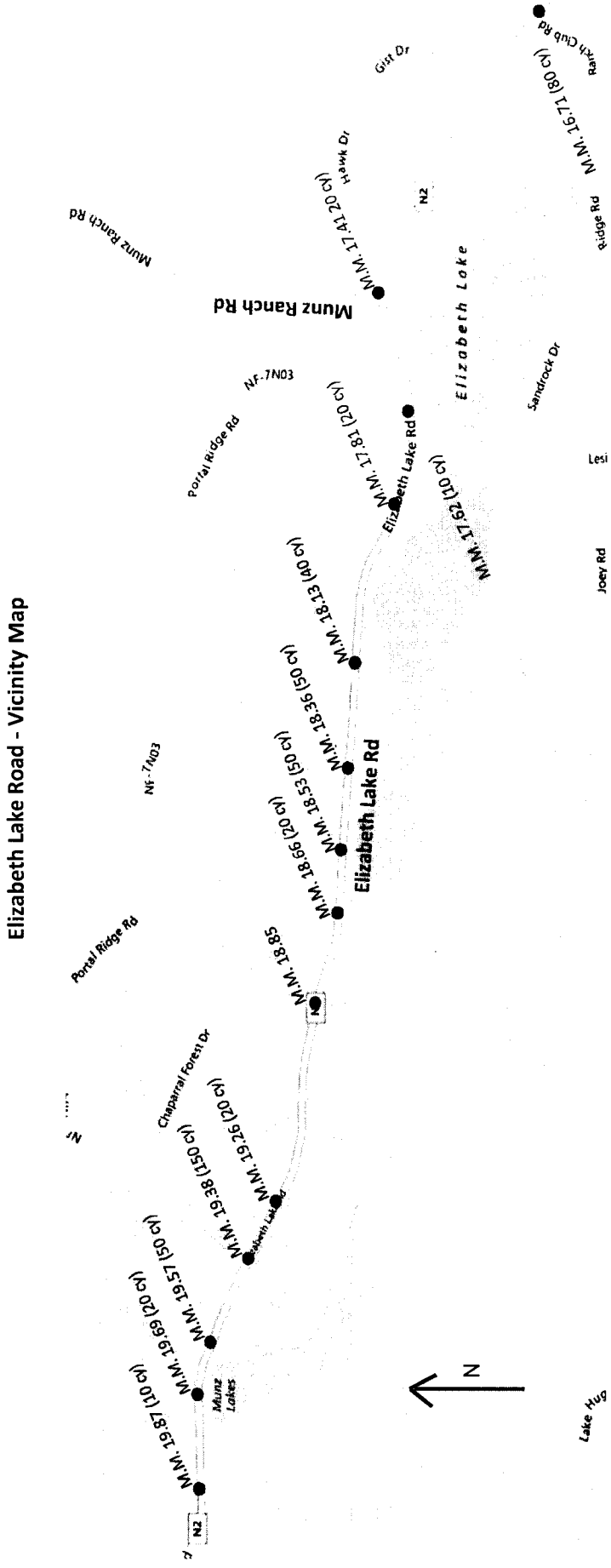
*Lump Sum will generally only be accepted for non biddable items, such as Mobilization.

Justifications/comments: Non-typical Scope, PE/CE Cost, Engineering estimates etc.

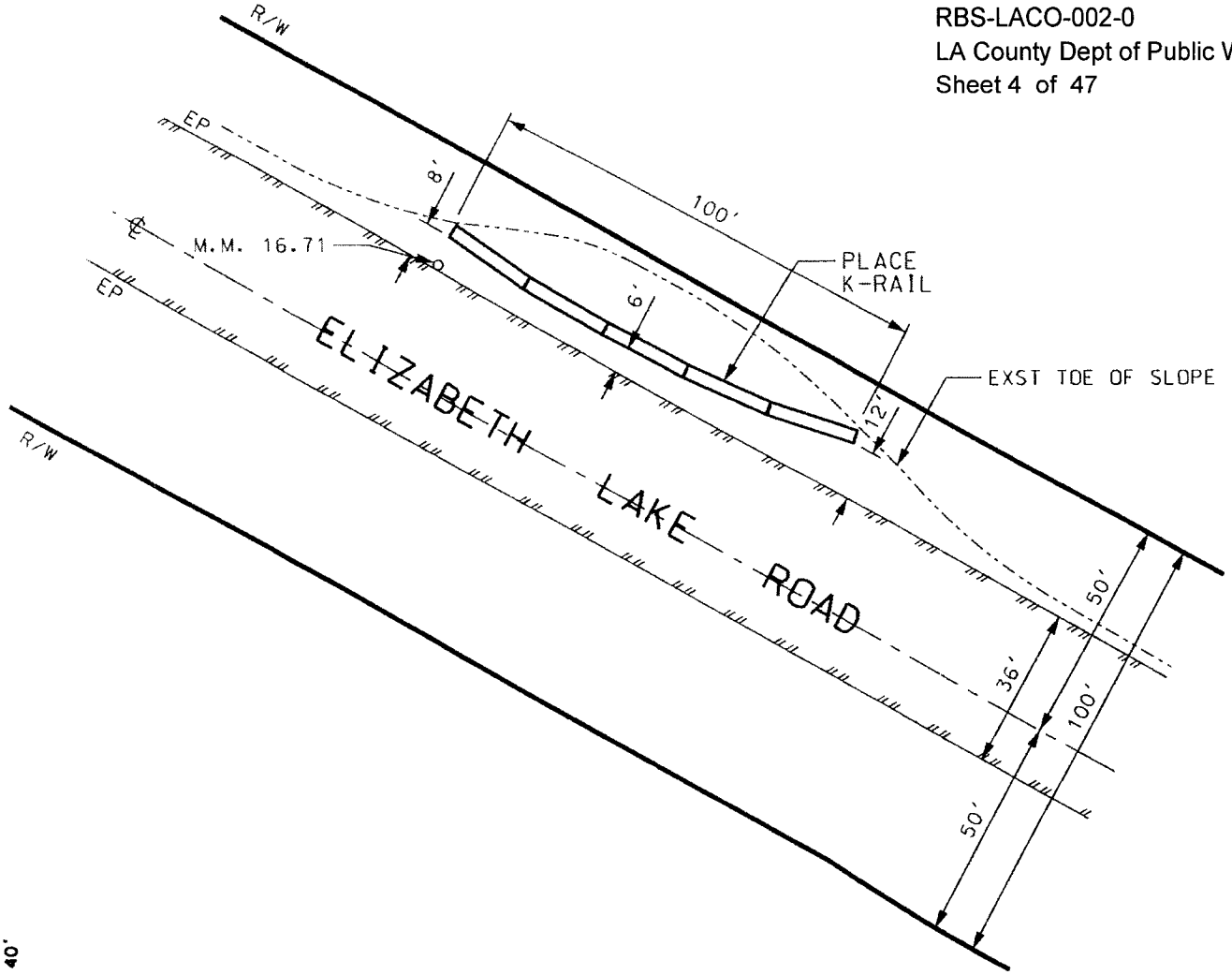
Install standpipes (14 locations) on Elizabeth Lake Road at the following Mile Markers: 16.71, 17.41, 17.62, 17.81, 18.13, 18.36, 18.53, 18.66, 18.85, 19.26, 19.38, 19.57, 19.69, and 19.87. Remove 510 cubic yards of debris above culvert inlet (13 locations, see Location Map for quantities). Place temporary k-rails along the shoulder to prevent debris flows from burned hillside during storm events from blocking the roadway. Place road closure signs. Replace damaged traffic signs.

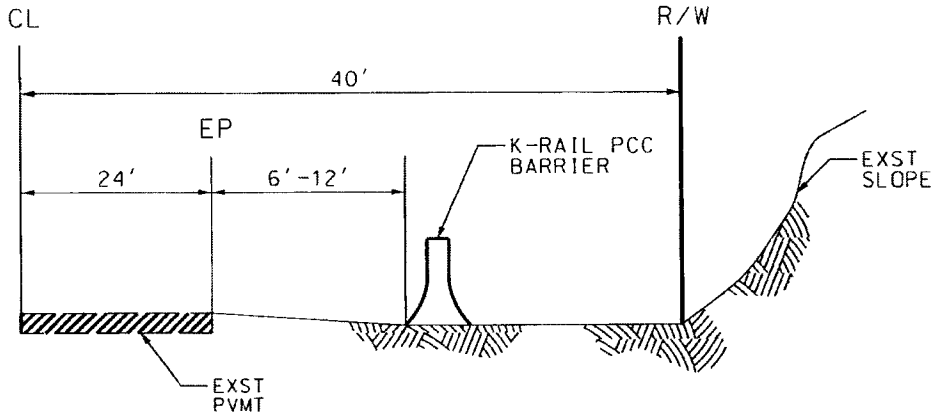
Please see Sheet 3 for debris removal justifications.

RBS-LACO-002
LA County Dept of Public Works
Sheet 3 of 47



Note: The required modification work for the roadway culvert inlets includes the installation of slotted standpipes and the removal of debris (sediment, rocks and burnt vegetation) in front of the culvert inlets. In previous storm seasons these culverts were able to pass the storm flows from the upstream drainage area satisfactorily. However, the volume of runoff from the burned upstream drainage area during storm events is increased as it contains burnt vegetation and eroded sediment. These increased debris laden flows can plug the culverts and overtop the roadway causing a flooding and safety hazard for motorist. Public Works has found that post fire installation of slotted standpipes and removal of debris at the culvert inlets mitigates inlet plugging during storm events. This facility modification work for these culvert inlets in the burned areas provides public safety benefits by stemming roadway flooding during storms.



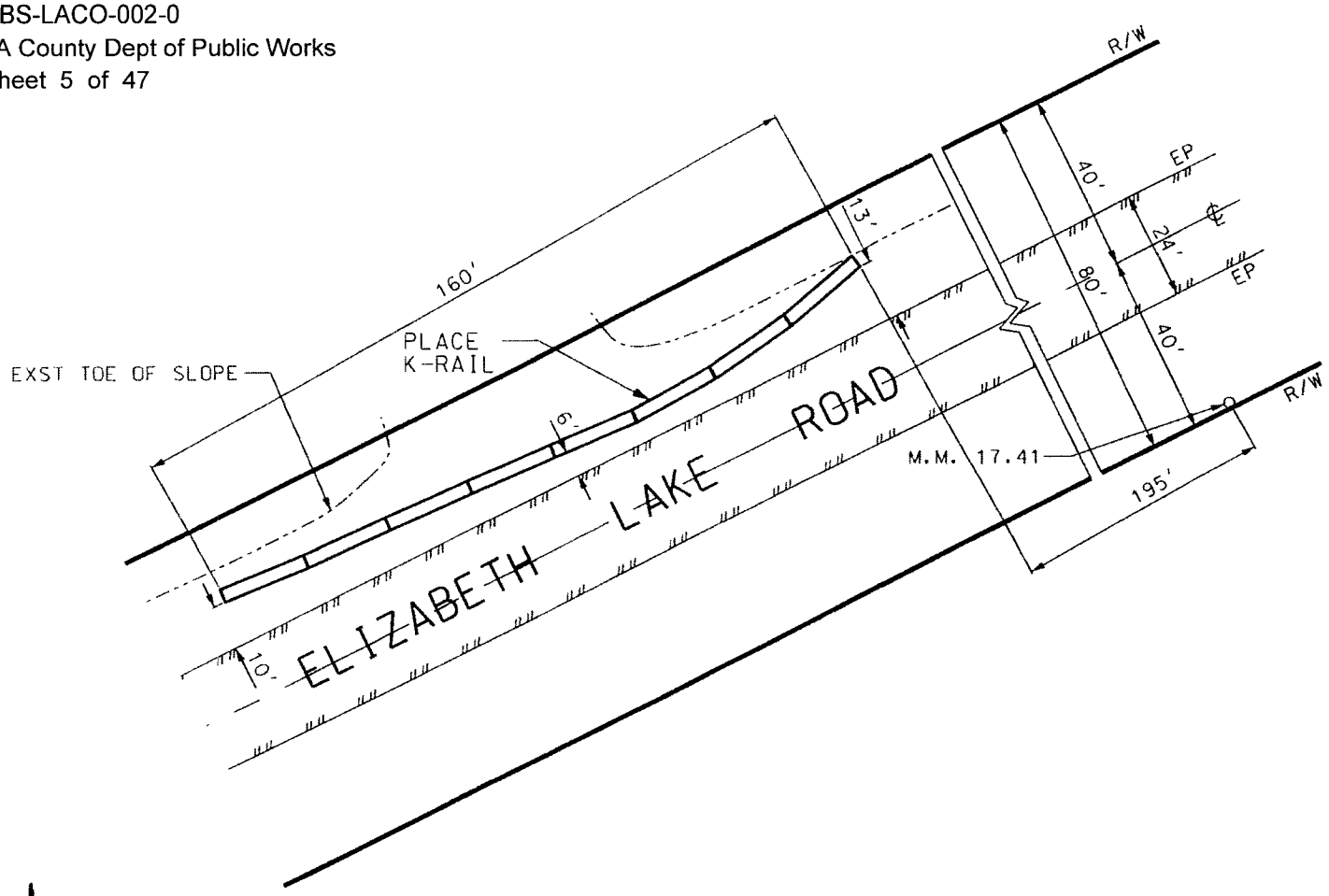


TYPICAL HALF SECTION

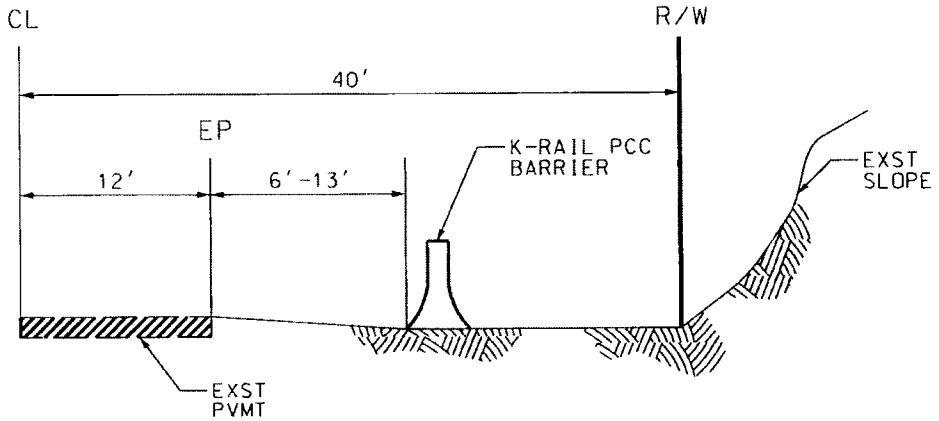
N.T.S.

K-RAIL COORDINATES:
N: 34° 39' 48.87" W: 118° 23' 08.76"

PROJECT NAME	K-RAILS - ELIZABETH LAKE ROAD @ M.M. 16.71					PROJECT I.D. NO.	
PROJECT ENGINEER	G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. R8B551004	SCALE 1" = 40'	SHEET 3 OF 8



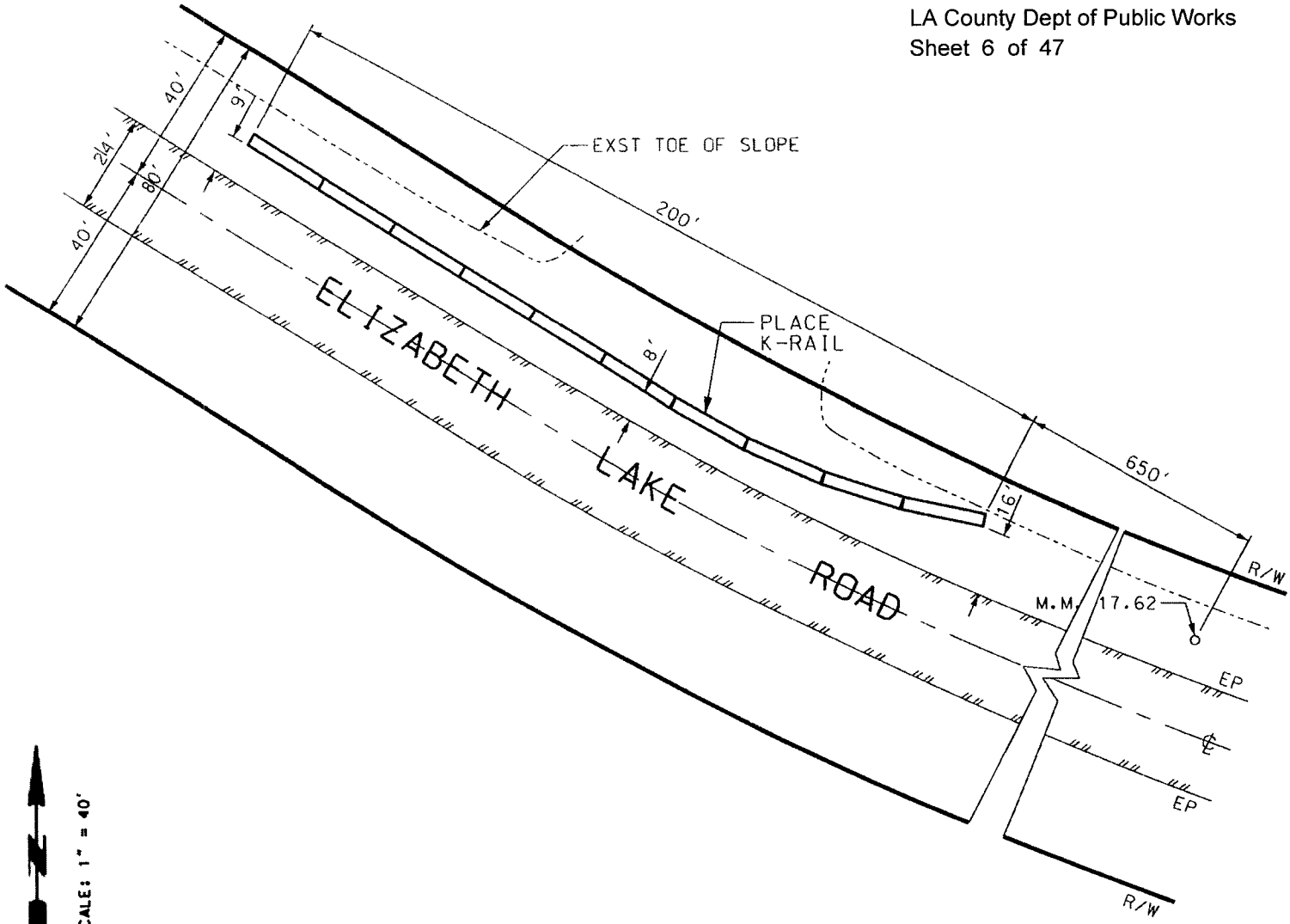
SCALE: 1" = 40'



TYPICAL HALF SECTION
N.T.S.

K-RAIL COORDINATES:
N: 34° 40' 05.47" W: 118° 23' 48.36"

PROJECT NAME: K-RAILS - ELIZABETH LAKE ROAD 195' W/O M.M. 17.41						PROJECT I.D. NO. -	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. R8B551004	SCALE 1" = 40'	SHEET 4 OF 8	



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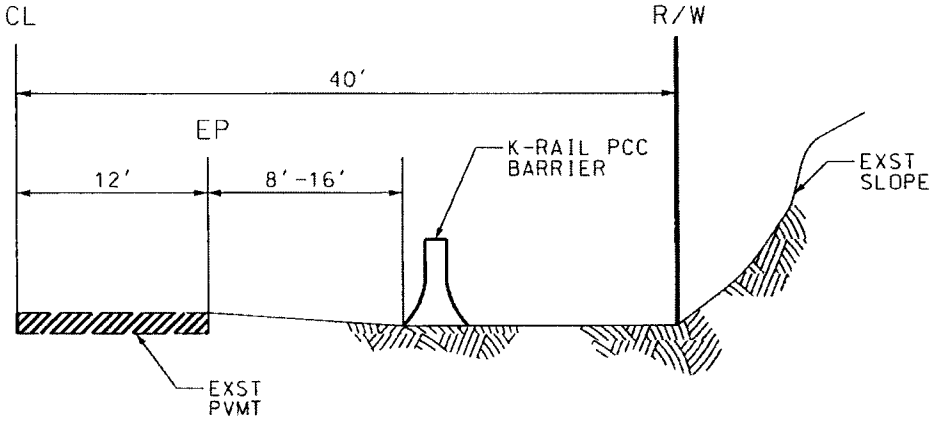
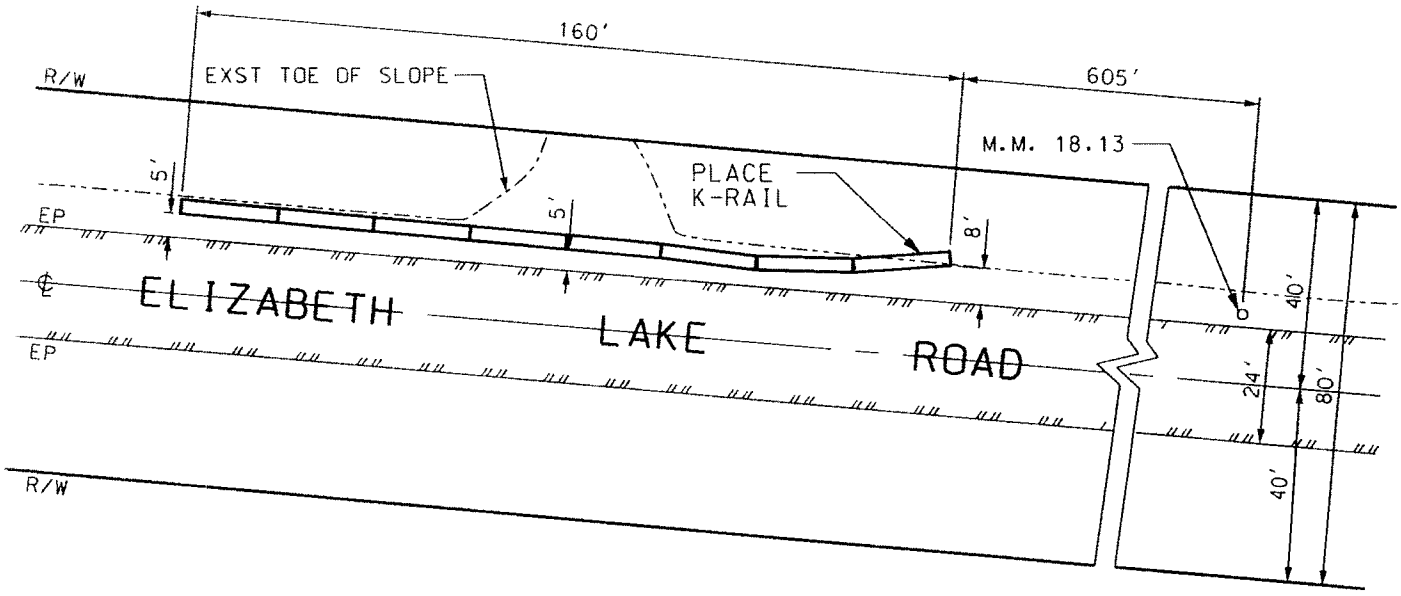


TYPICAL HALF SECTION

N.T.S.

K-RAIL COORDINATES:
N: 34° 40' 03.84" W: 118° 24' 06.25"

PROJECT NAME	K-RAILS - ELIZABETH LAKE ROAD 650' W/O M.M. 17.62					PROJECT I.D. NO.	
PROJECT ENGINEER	G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. R8B551004	SCALE 1" = 40'	SHEET 5 OF 8



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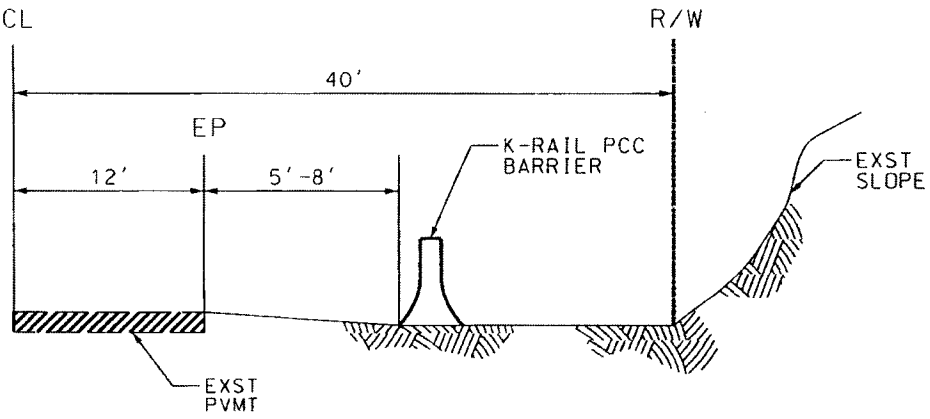
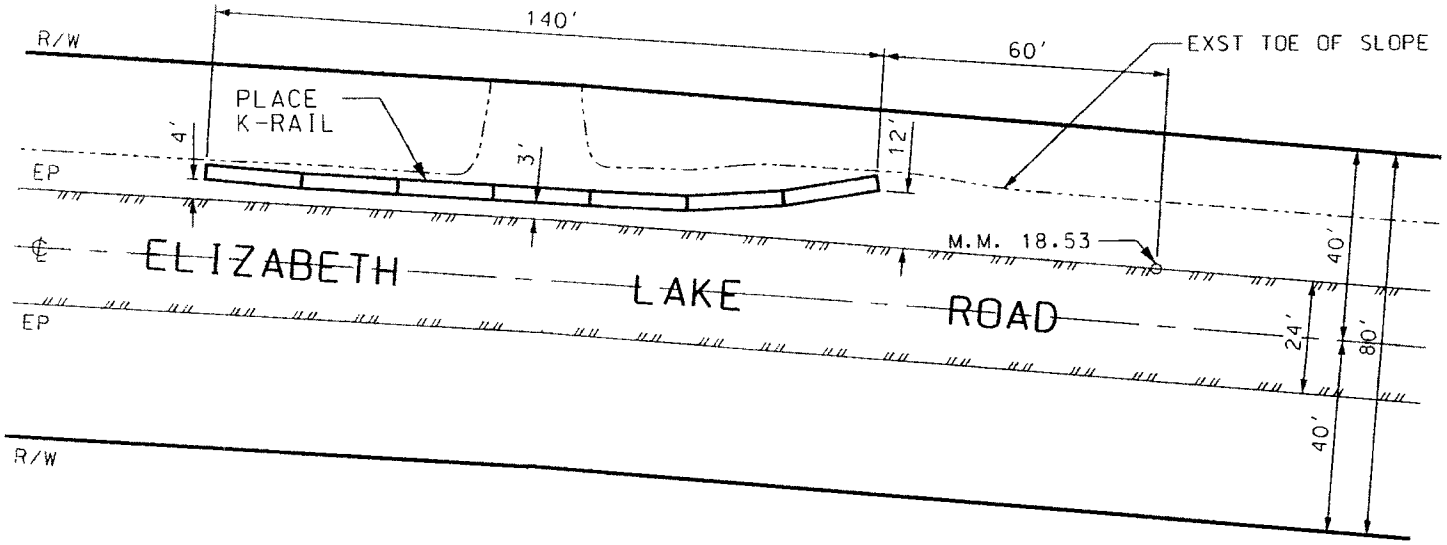


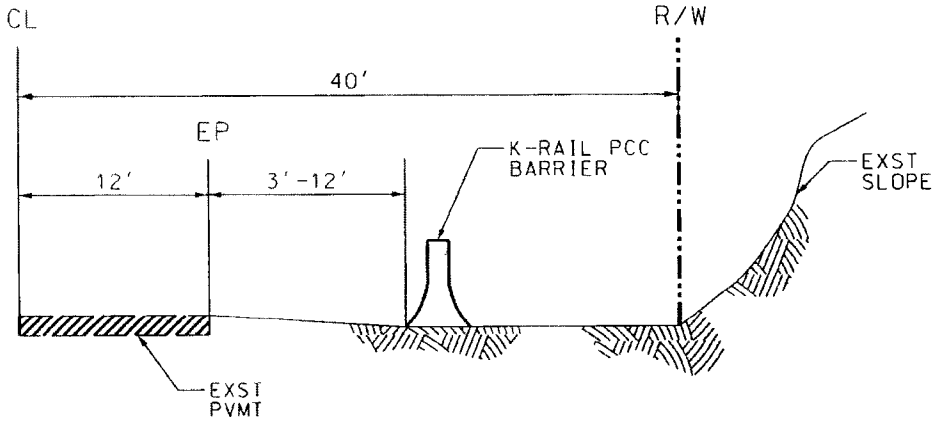
TYPICAL HALF SECTION

N.T.S.

K-RAIL COORDINATES:
N: 34° 40' 09.94" W: 118° 24' 36.04"

PROJECT NAME: K-RAILS - ELIZABETH LAKE ROAD 605' W/O M.M. 18.13					PROJECT I.D. NO. -	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. R8B551004	SCALE 1" = 40'	SHEET 6 OF 8



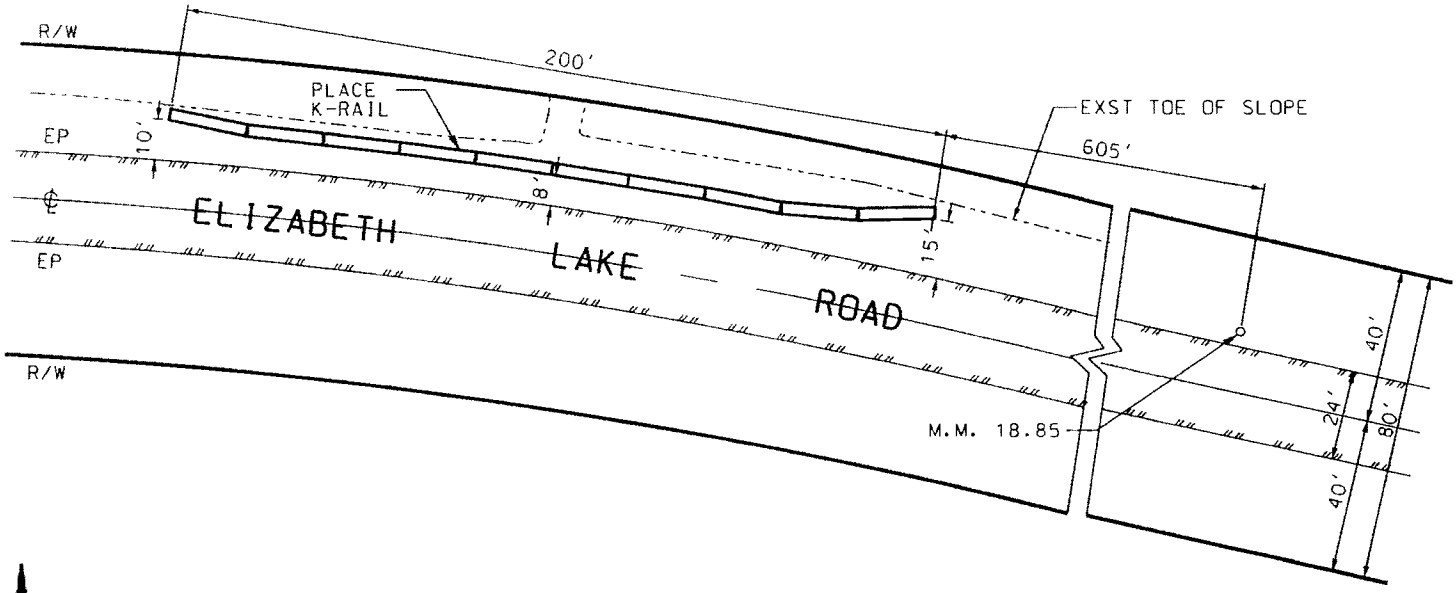


TYPICAL HALF SECTION

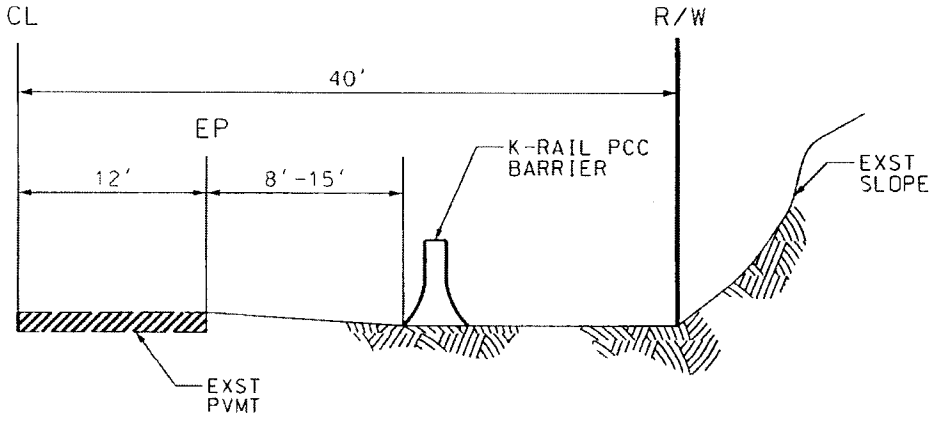
N.T.S.

K-RAIL COORDINATES:
N: 34° 40' 11.22" W: 118° 24' 55.35"

PROJECT NAME	K-RAILS - ELIZABETH LAKE ROAD 60' W/O M.M. 18.53					PROJECT I.D. NO. -
PROJECT ENGINEER	G. TONG	C.E. NO. C 60509	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. R8B551004	SCALE 1" = 40'	SHEET 7 OF 8



SCALE: 1" = 50'

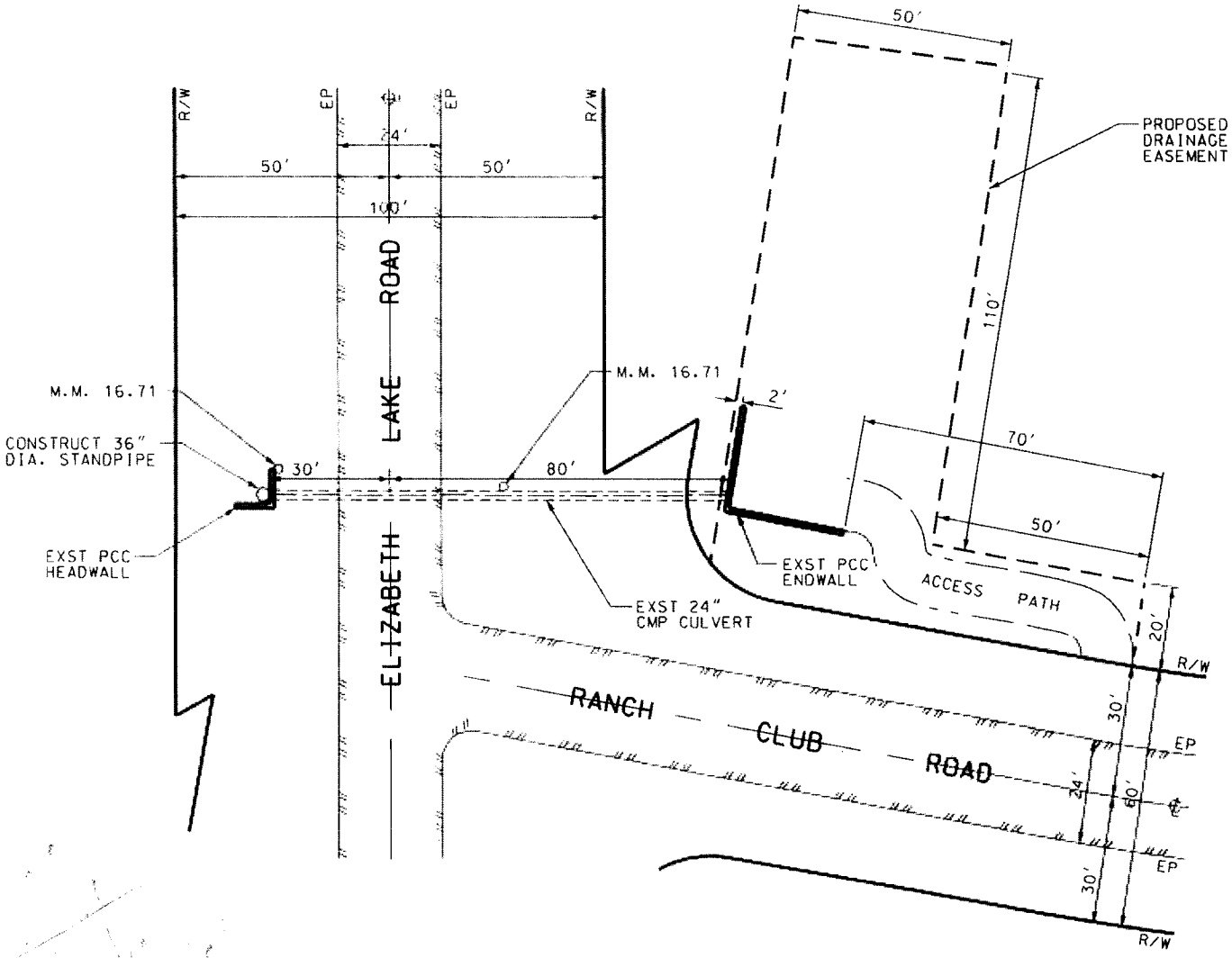


TYPICAL HALF SECTION

N.T.S.

K-RAIL COORDINATES:
N: 34° 40' 15.48" W: 118° 25' 20.33"

PROJECT NAME: K-RAILS - ELIZABETH LAKE ROAD 605' W/O M.M. 18.85						PROJECT I.D. NO. -	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. R8B551004	SCALE 1" = 50'	SHEET 8 OF 8	

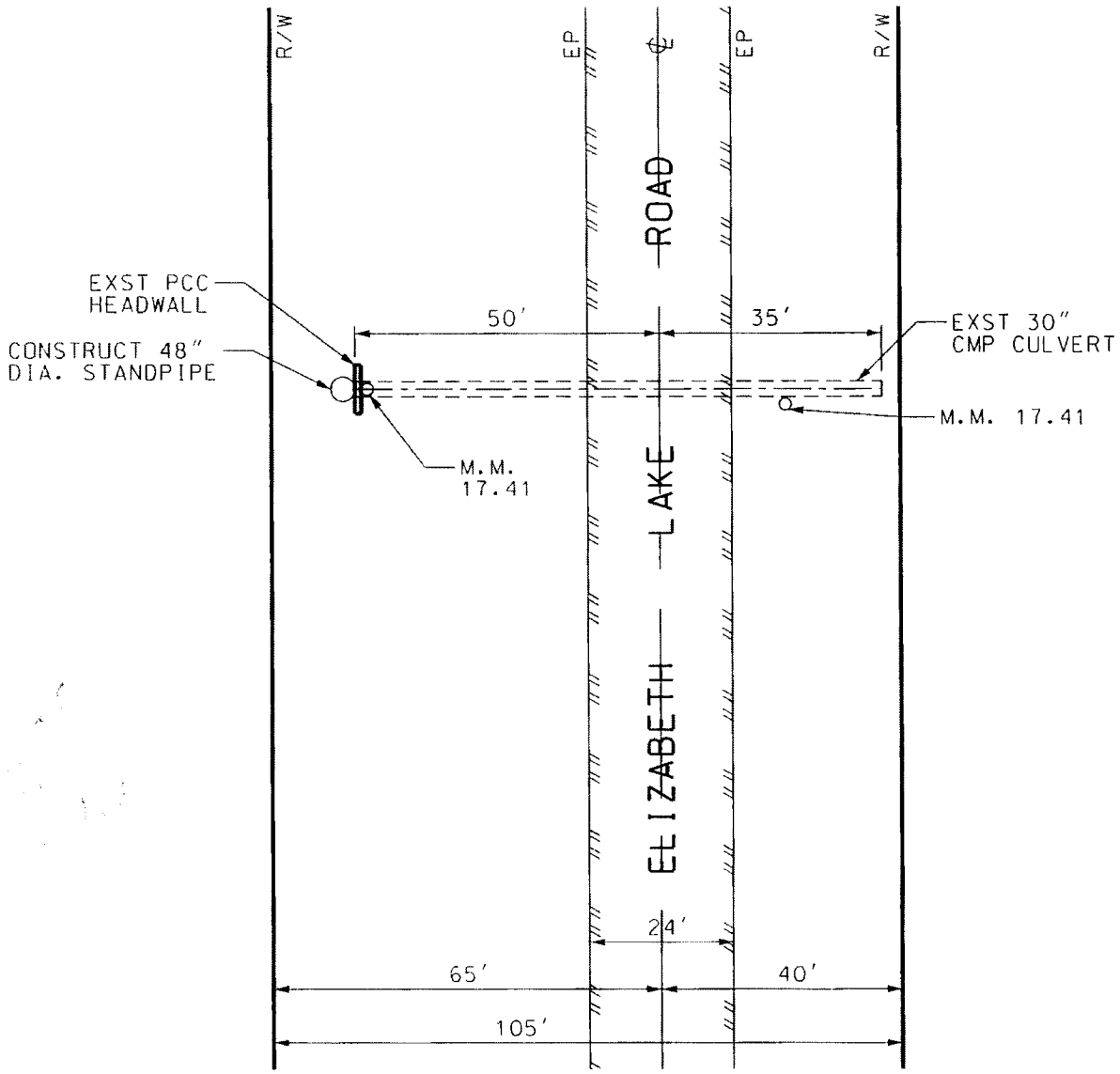


SCALE: 1" = 40'

INLET COORDINATES:
N: 34° 39' 48.87" W: 118° 23' 08.76"

REGISTERED PROFESSIONAL ENGINEER
GLENN TONG
No. C 60609
EXP. 12/31/14
CIVIL
STATE OF CALIFORNIA

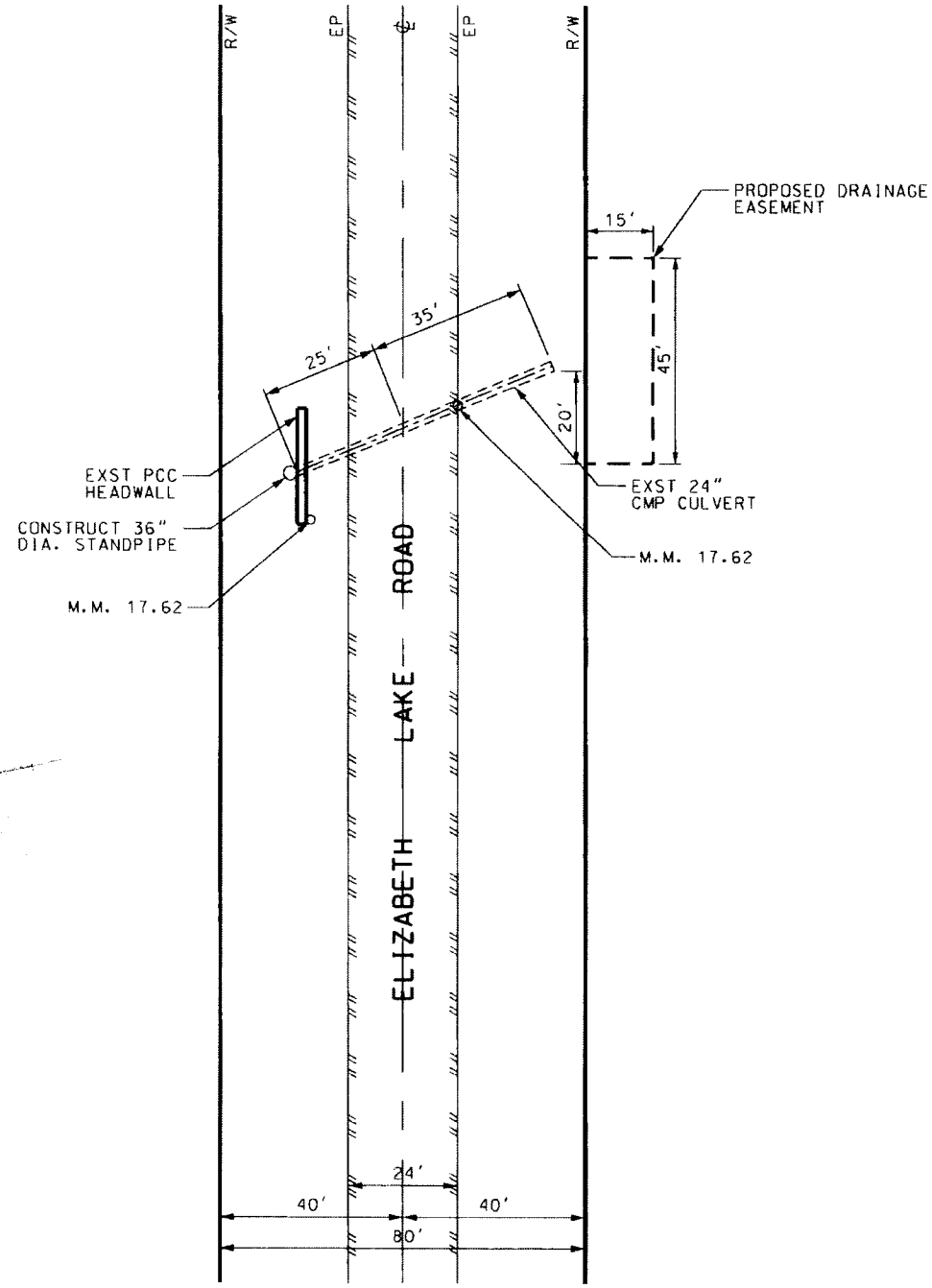
PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 16.71						PROJECT No.: RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO.: C 60609	APPROVED BY: Jeffrey S. Harkins	DATE: 7-18-13			PROJECT I.D. No.: X250000739	
DESIGNER: N. OLGUIN	DATE: 7/17/13	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G.: 4102	2013 PowerHouse Fire		SCALE: 1" = 40'	SHEET: 1 OF 14



SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 06.48" W: 118° 23' 46.57"

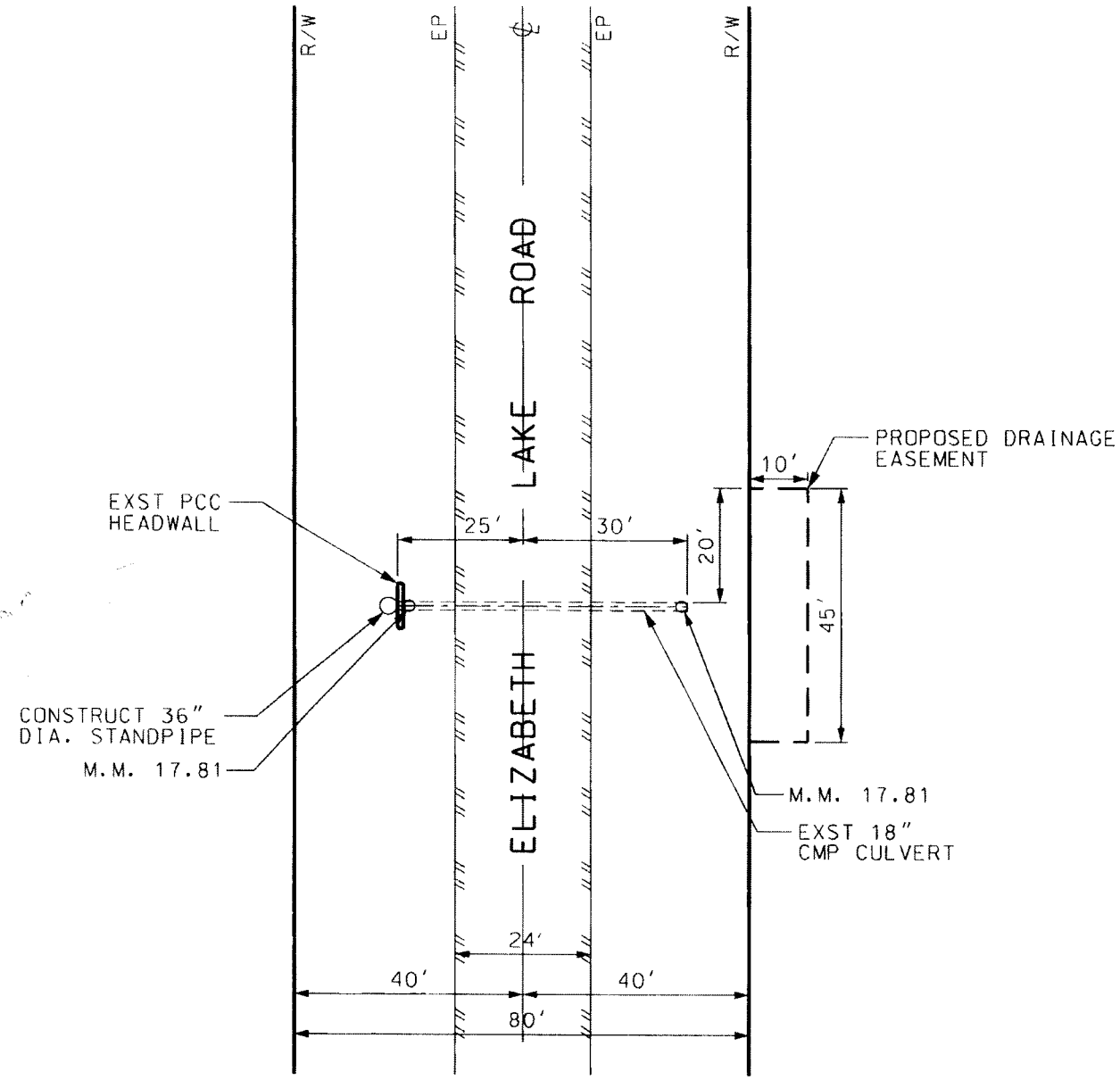
PROJECT NAME	ELIZABETH LAKE ROAD @ M.M. 17.41					PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER	G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 2 OF 14



SCALE: 1" = 40'

INLET COORDINATES:
N: 34° 40' 03.5" W: 118° 23' 53.66"

PROJECT NAME	ELIZABETH LAKE ROAD @ M.M. 17.62				PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER	G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. X250000739	SCALE 1" = 40'	SHEET 3 OF 14

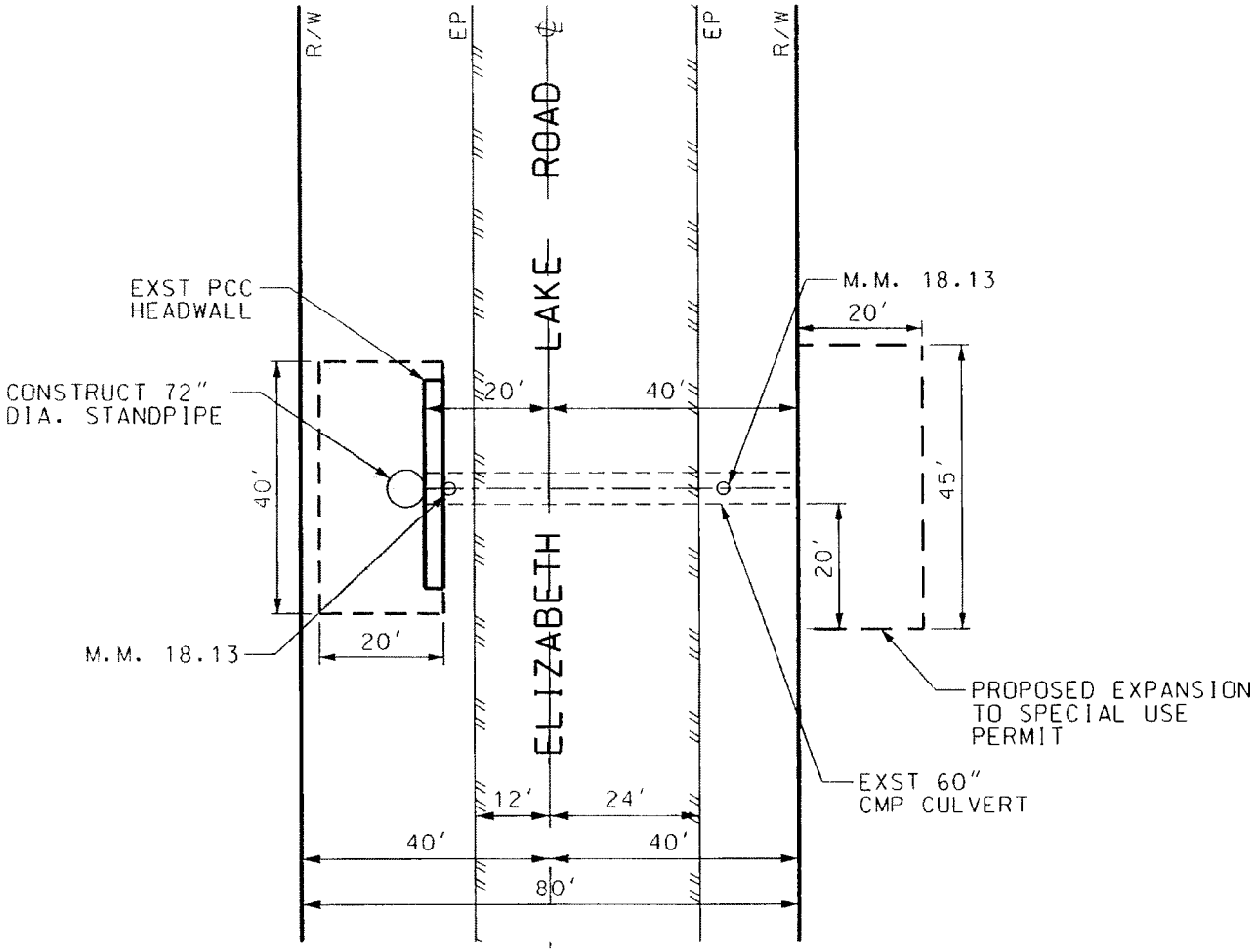


SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 04.86" W: 118° 24' 10.18"

PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 17.81						PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. X250000739	SCALE 1" = 30'	SHEET 4 OF 14	

ANGELES NATIONAL FOREST



DEBRIS REMOVAL AREA / AREA TO BE GRADED SHOWN SHADED

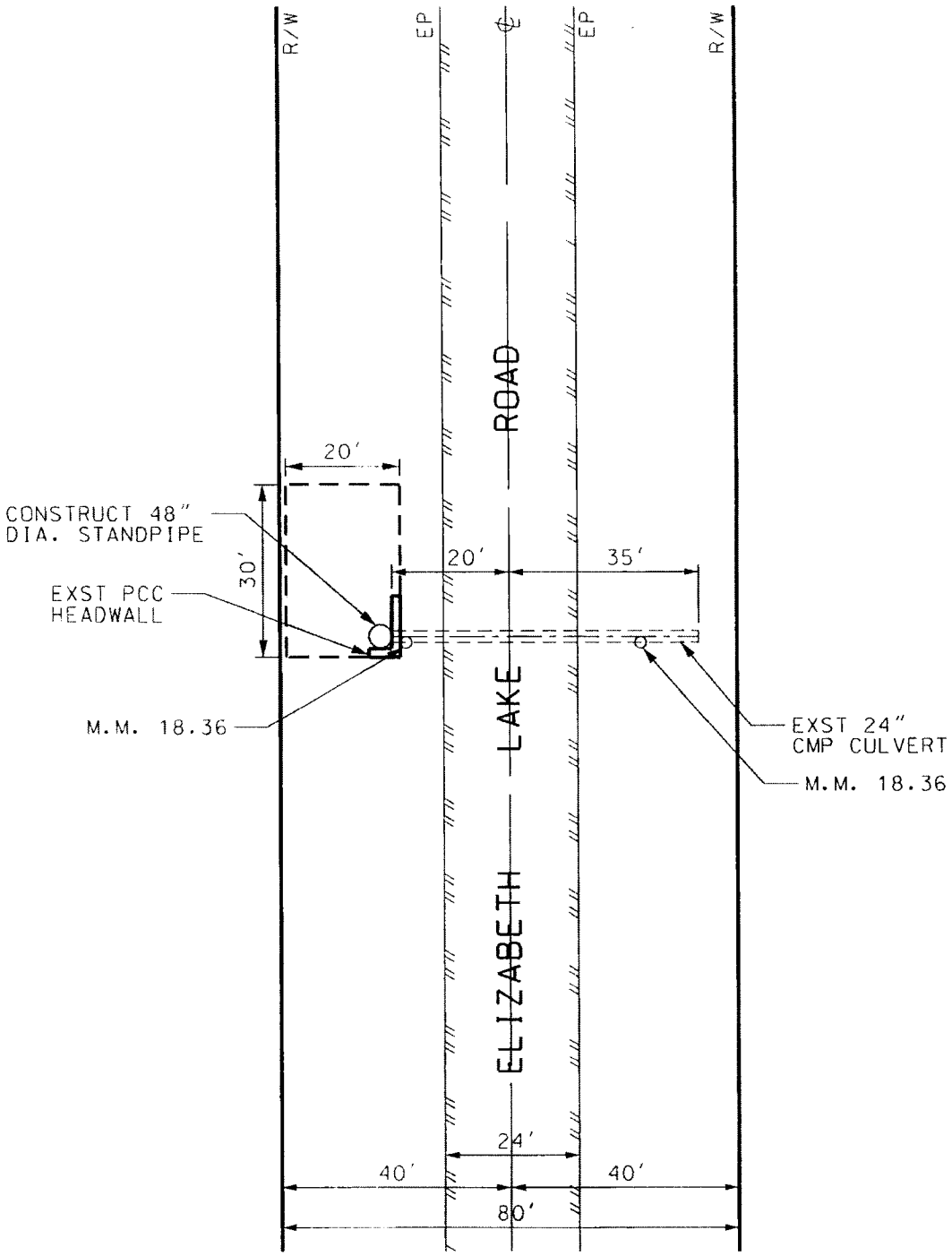
SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 09.59" W: 118° 24' 28.93"

PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 18.13						PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 5 OF 14	

ANGELES NATIONAL FOREST

RBS-LACO-002-0
LA County Dept of Public Works
Sheet 15 of 47

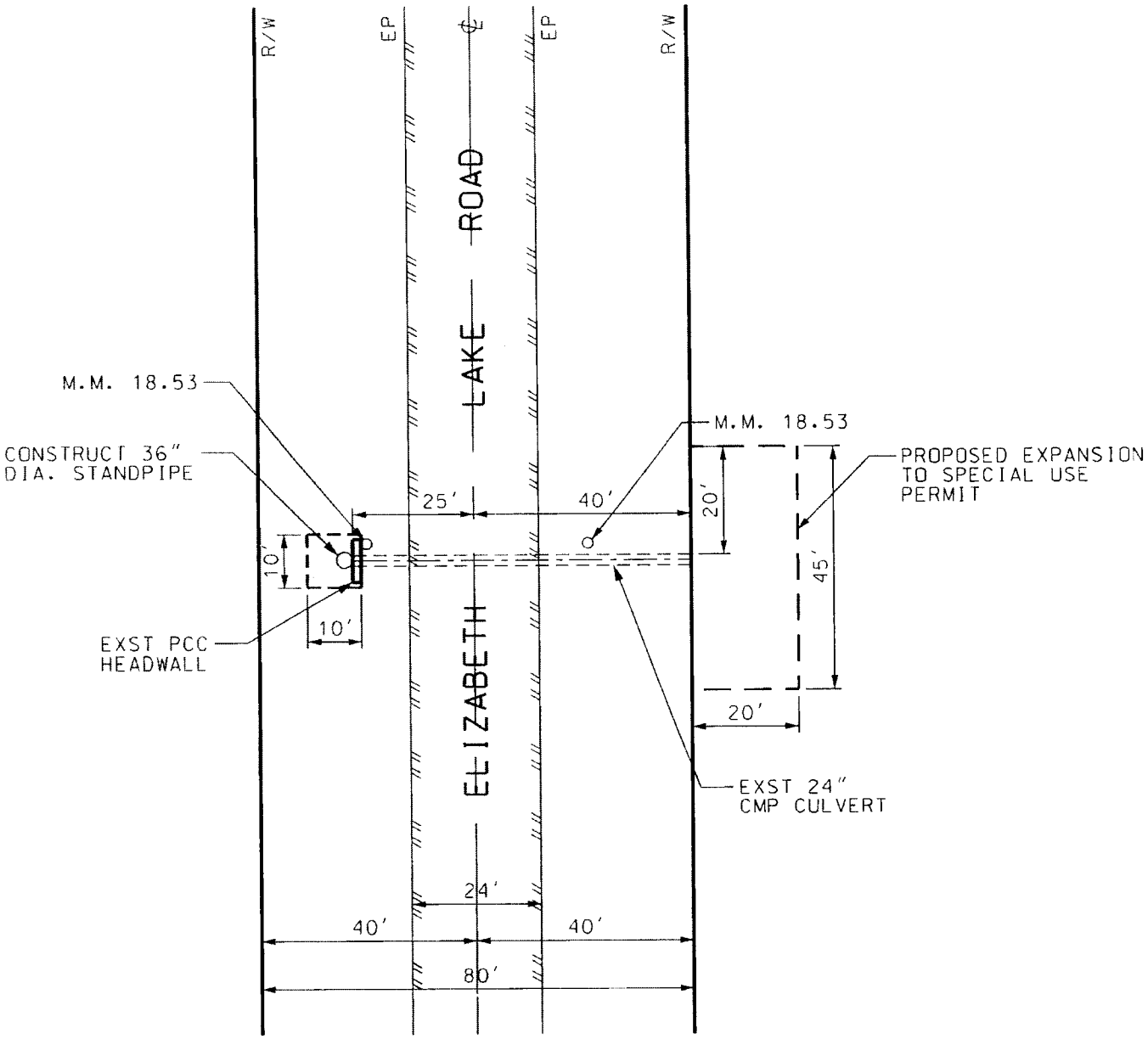


DEBRIS REMOVAL AREA / AREA TO BE GRADED SHOWN SHADED

SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 10.38" W: 118° 24' 43.65"

PROJECT NAME						PROJECT I.D. NO.
ELIZABETH LAKE ROAD @ M.M. 18.36						RDC0015902
PROJECT ENGINEER	C.E. NO.	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G.	PROJECT NO.	SCALE	SHEET
G. TONG	C 60609		4102	x250000739	1" = 30'	6 OF 14

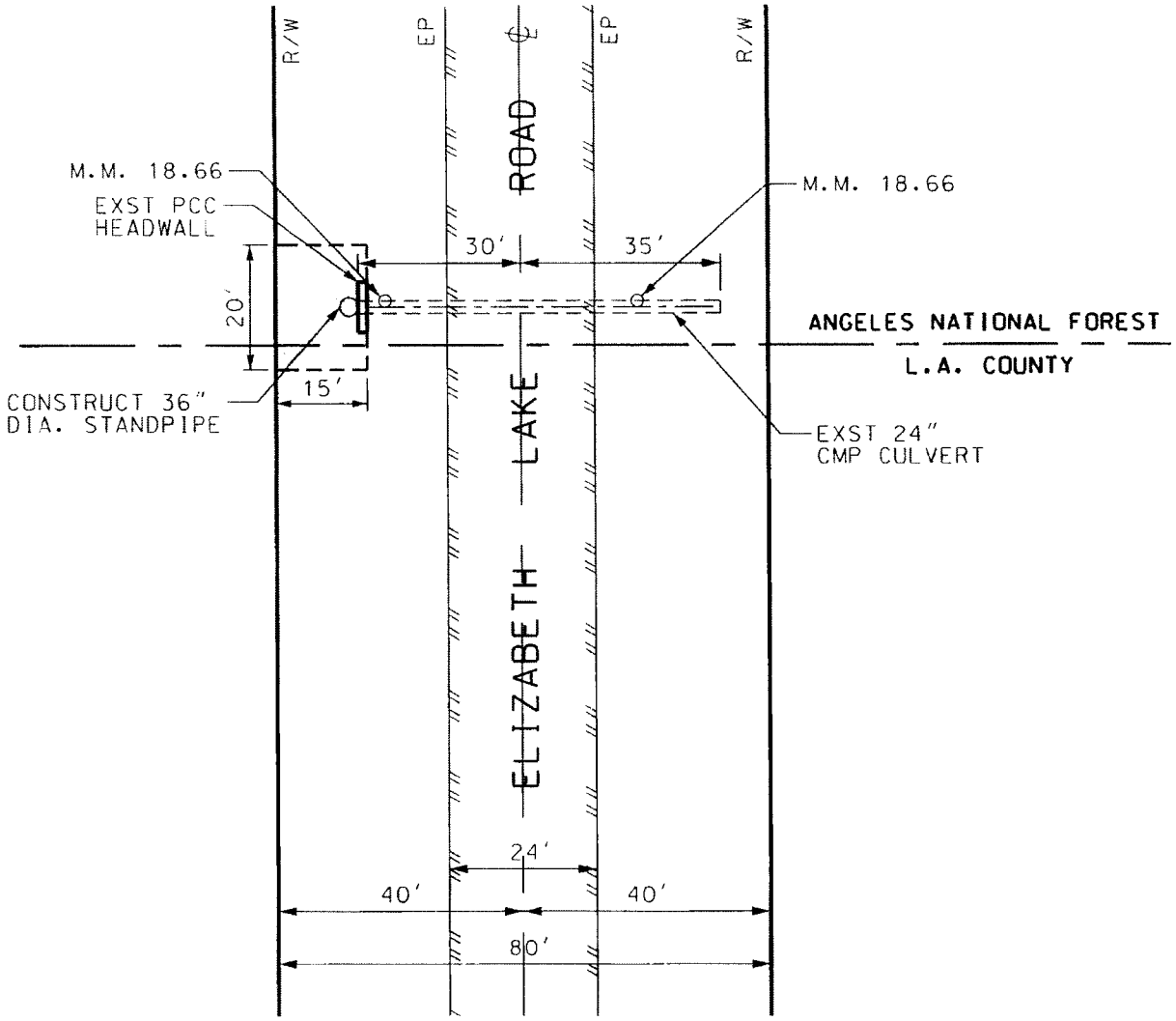


DEBRIS REMOVAL AREA / AREA TO BE GRADED SHOWN SHADED

SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 11.20" W: 118° 24' 53.88"

PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 18.53						PROJECT I.D. NO. RDC0015902
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 7 OF 14

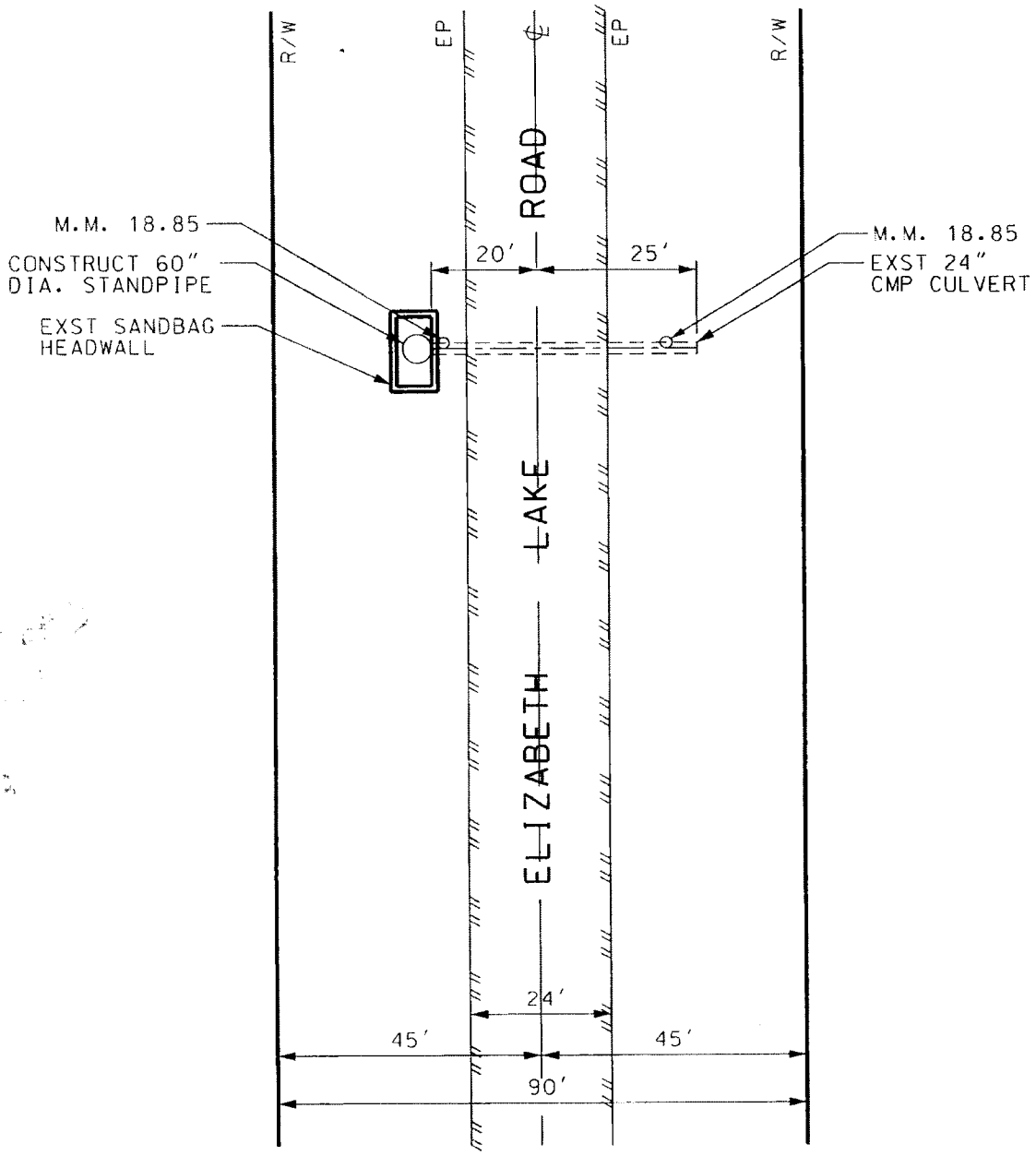


DEBRIS REMOVAL AREA / AREA TO BE GRADED SHOWN SHADED

SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 12.79" W: 118° 25' 01.71"

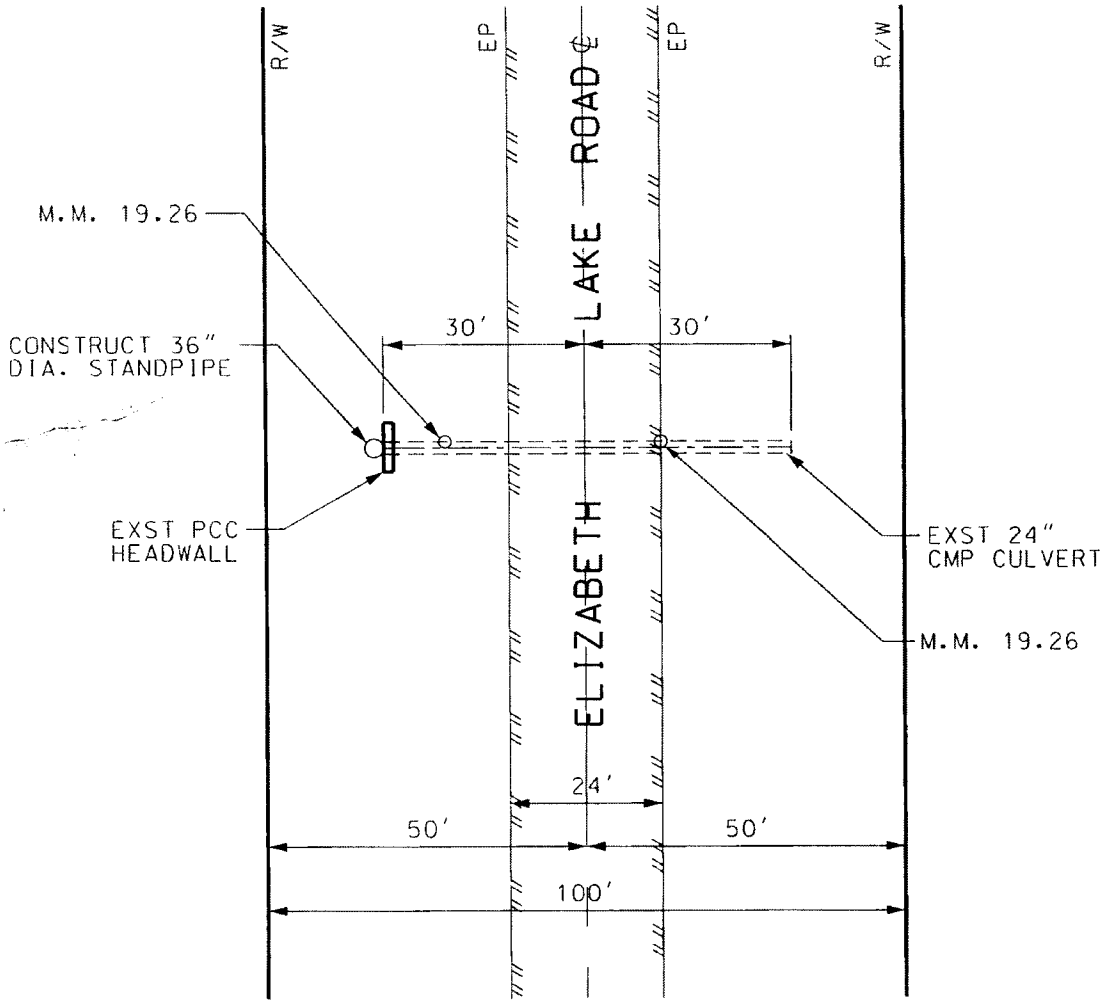
PROJECT NAME	ELIZABETH LAKE ROAD @ M.M. 18.66					PROJECT I.D. NO.	RDC0015902
PROJECT ENGINEER	G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 8 OF 14



SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 14.14" W: 118° 25' 13.09"

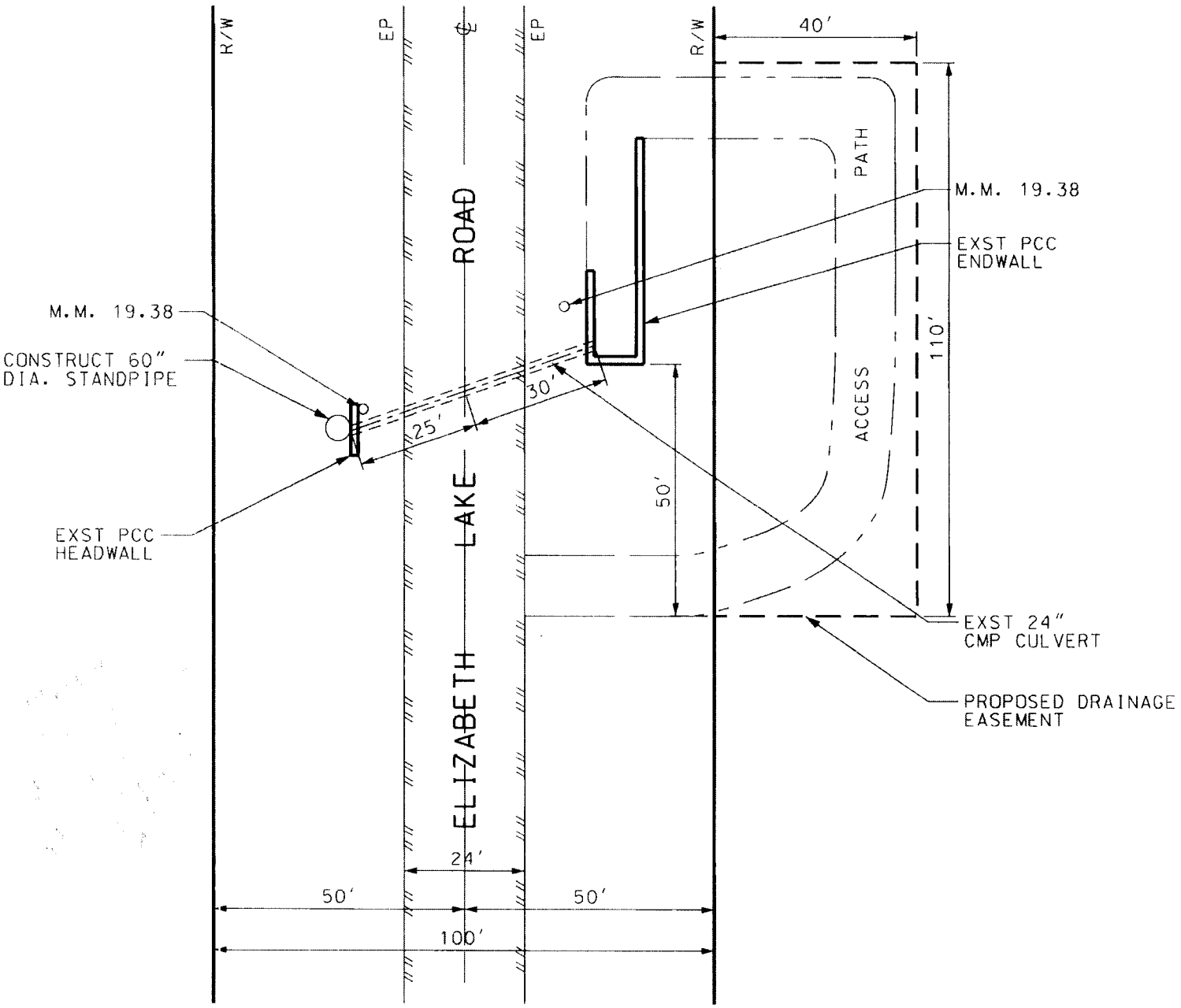
PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 18.85						PROJECT I.D. NO. RDC0015902
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 9 OF 14



SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 18.48" W: 118° 25' 38.01"

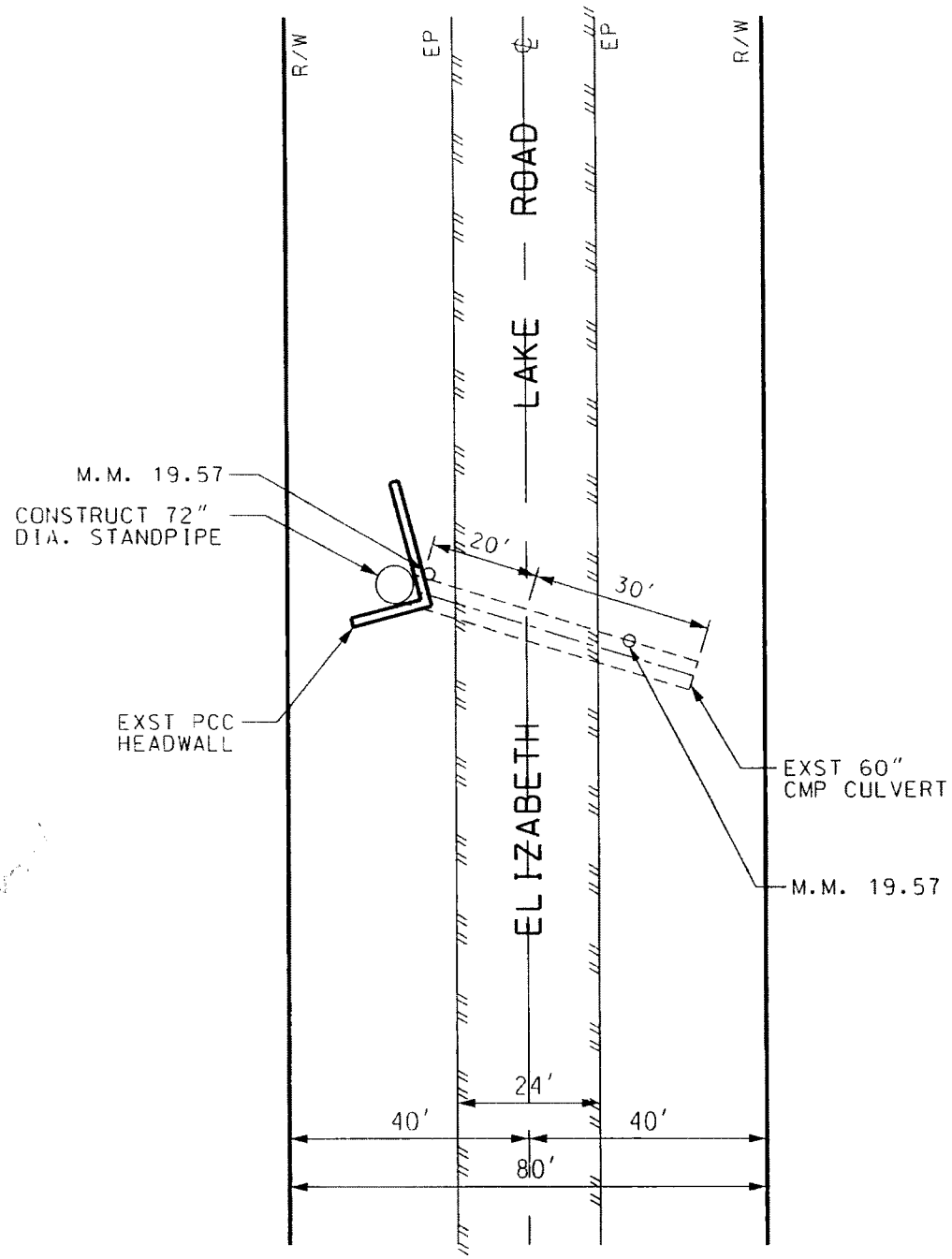
PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 19.26						PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 10 OF 14	



SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 21.48" W: 118° 25' 44.73"

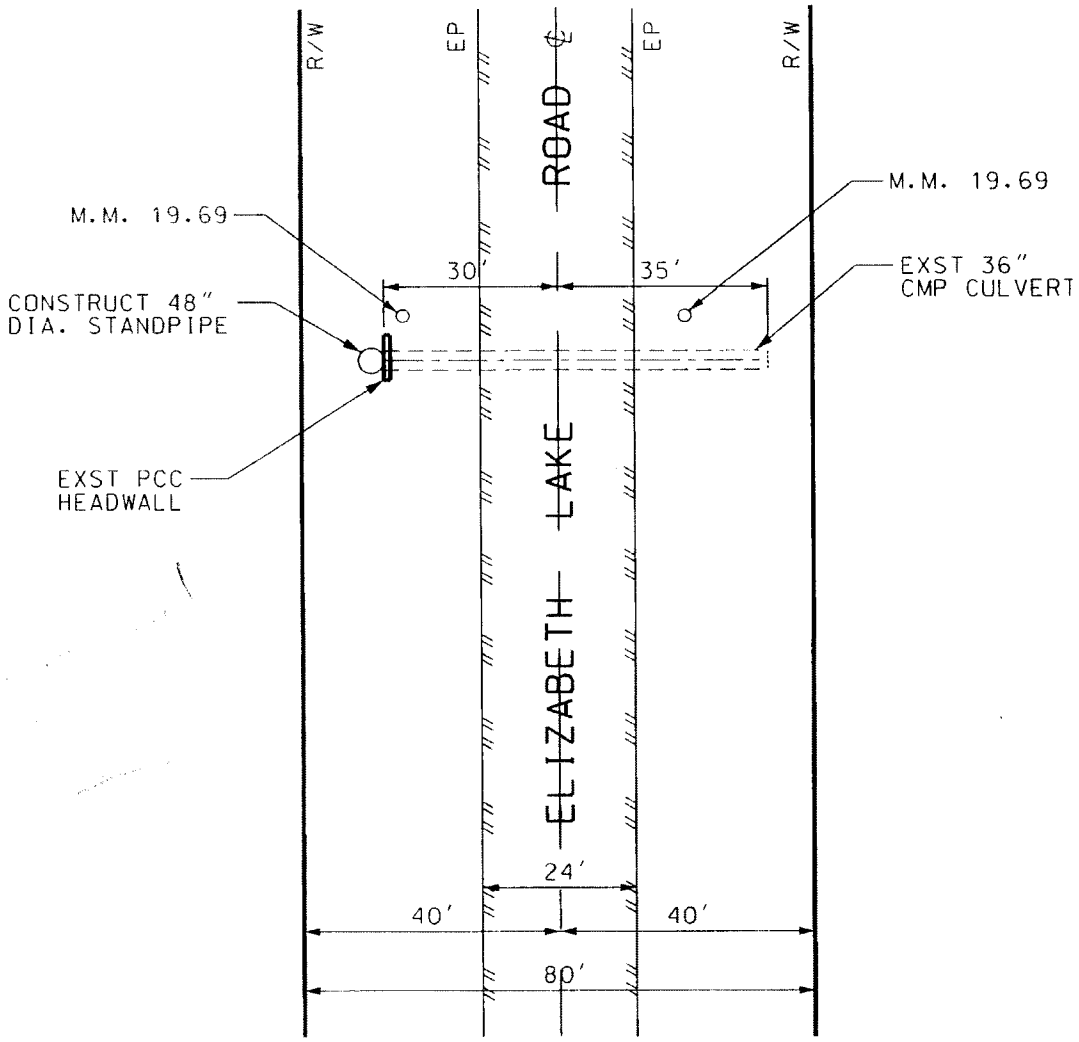
PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 19.38						PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 11 OF 14	



SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 26.04" W: 118° 25' 55.55"

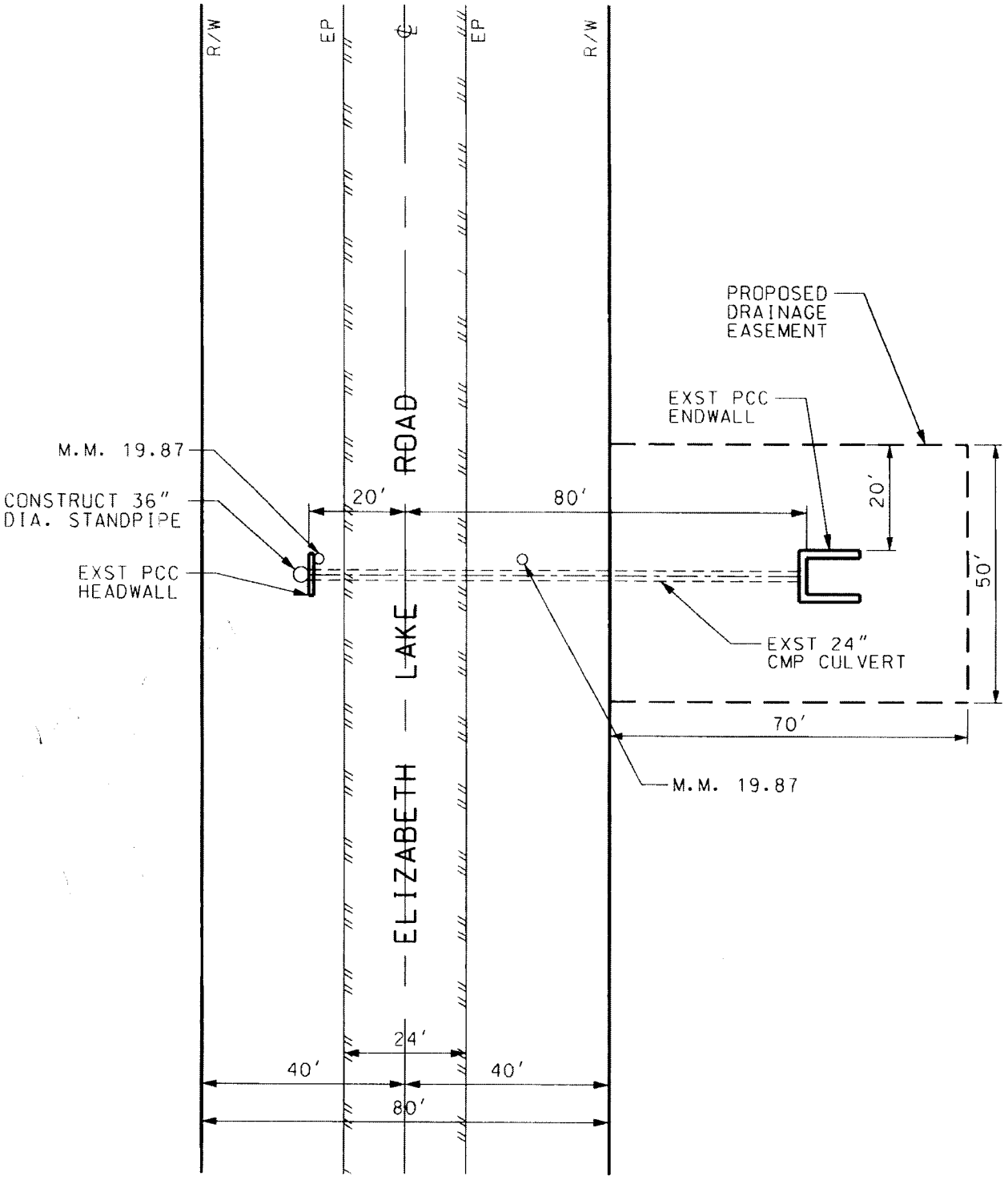
PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 19.57						PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 12 OF 14	



SCALE: 1" = 30'

INLET COORDINATES:
N: 34° 40' 27.43" W: 118° 26' 02.89"

PROJECT NAME: ELIZABETH LAKE ROAD @ M.M. 19.69						PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER: G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. x250000739	SCALE 1" = 30'	SHEET 13 OF 14	



SCALE: 1" = 30'

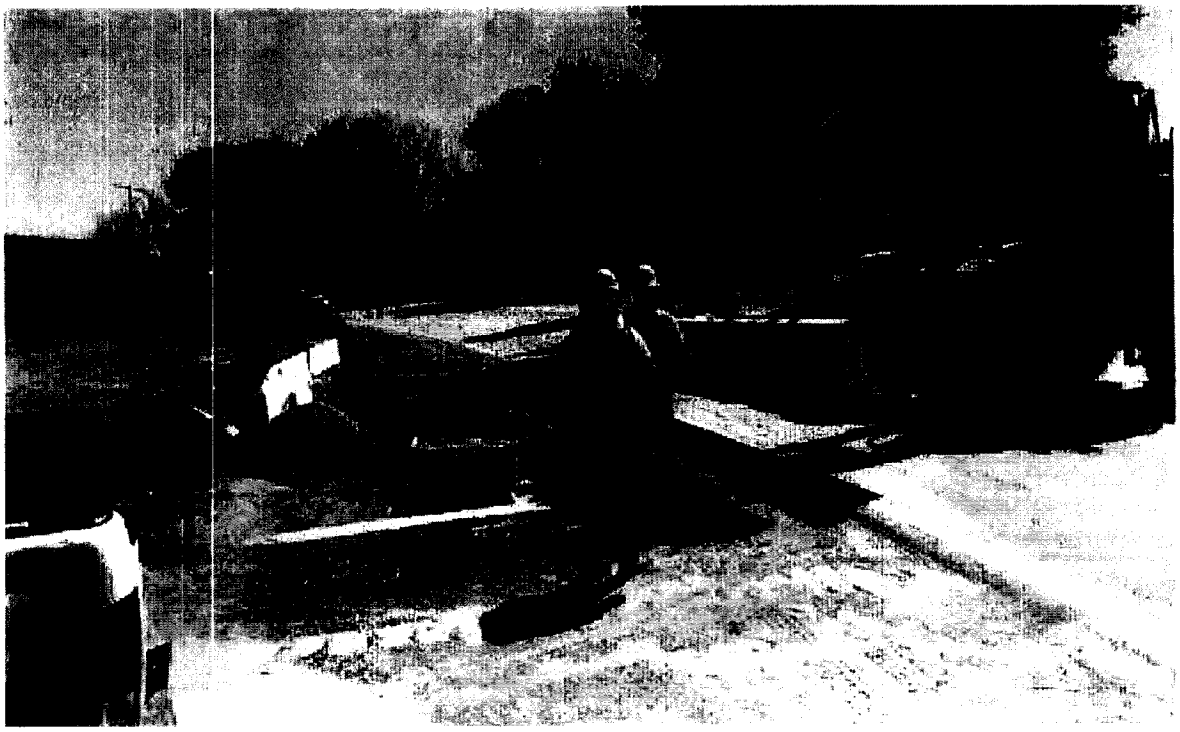
INLET COORDINATES:
N: 34° 40' 26.87" W: 118° 26' 14.60"

PROJECT NAME	ELIZABETH LAKE ROAD @ M.M. 19.87					PROJECT I.D. NO. RDC0015902	
PROJECT ENGINEER	G. TONG	C.E. NO. C 60609	LOS ANGELES COUNTY DEPT OF PUBLIC WORKS ROAD MAINTENANCE DIVISION - DISTRICT 5	T.G. 4102	PROJECT NO. X250000739	SCALE 1" = 30'	SHEET 14 OF 14

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 24 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - During K-rail Placement



Above: Elizabeth Lake Rd @ W/o MM 16.71

Right: Elizabeth Lake Rd W/o MM 17.41

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

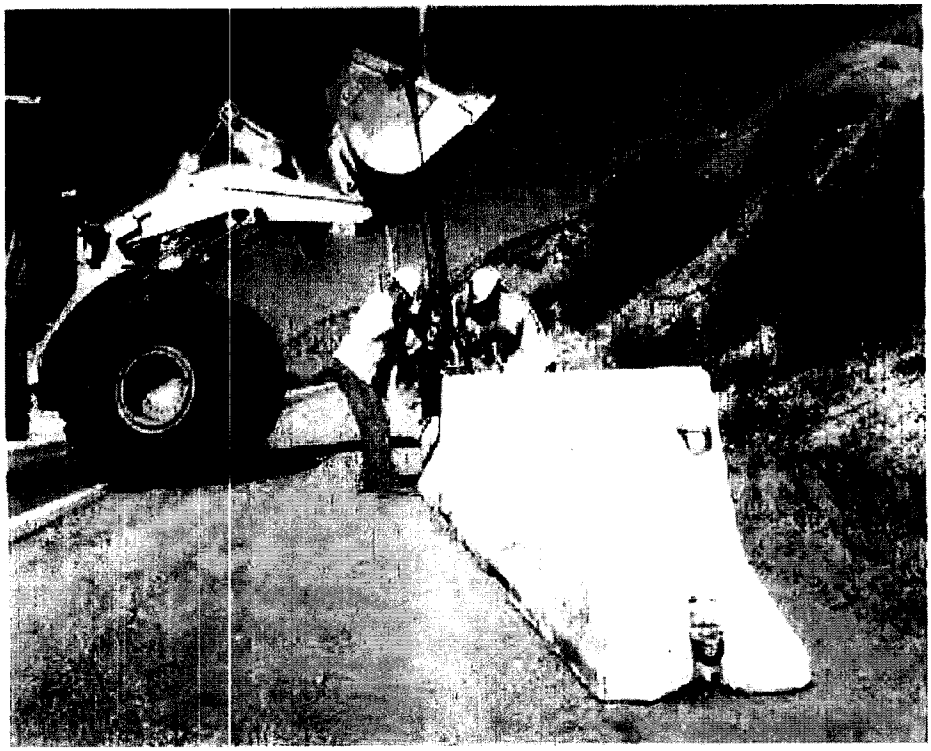
Sheet # 25 of 47

Applicant

LA County Dept of Public Works

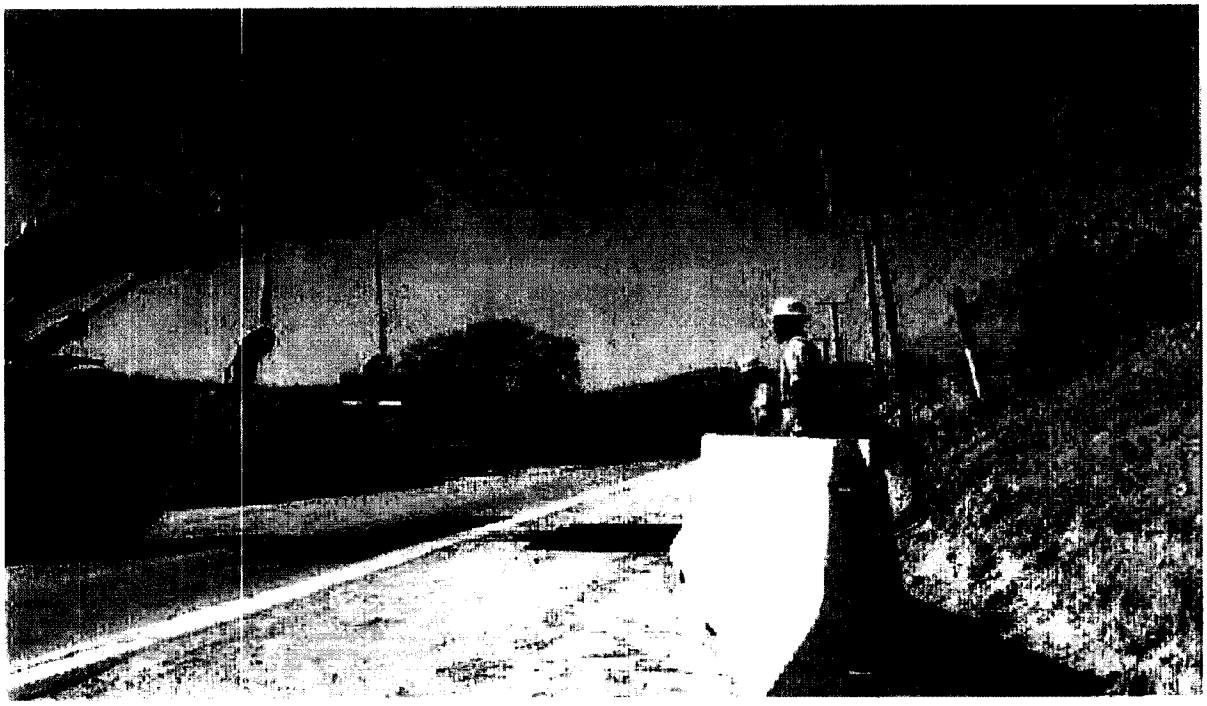
Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - During K-rail Placement



Left: Elizabeth Lake Rd @ W/o MM 17.62

Below: Elizabeth Lake Rd W/o MM 18.13



U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

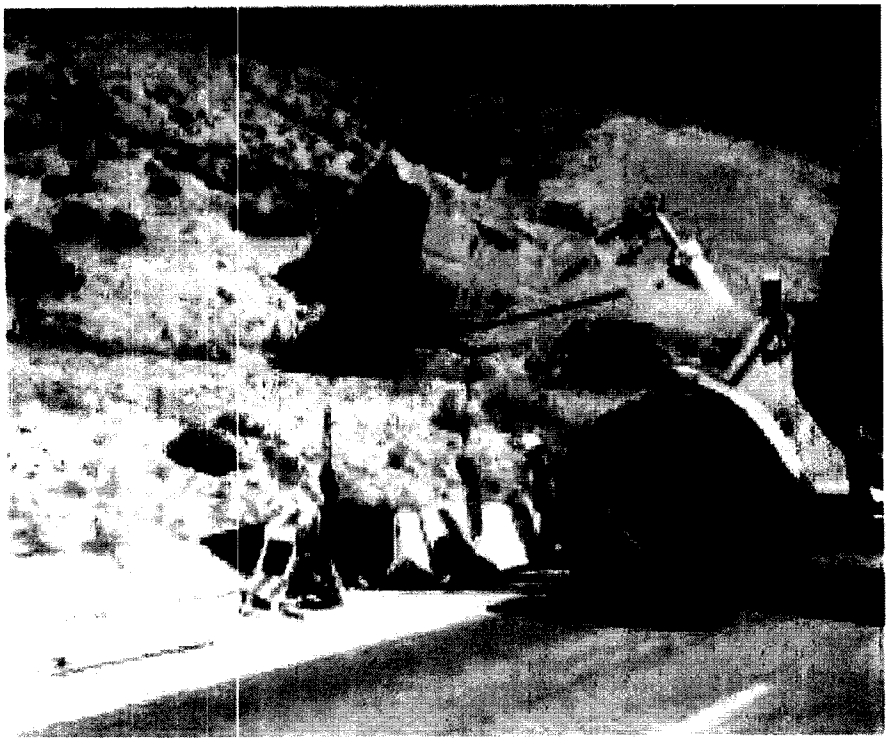
Sheet # 26 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - During K-rail Placement



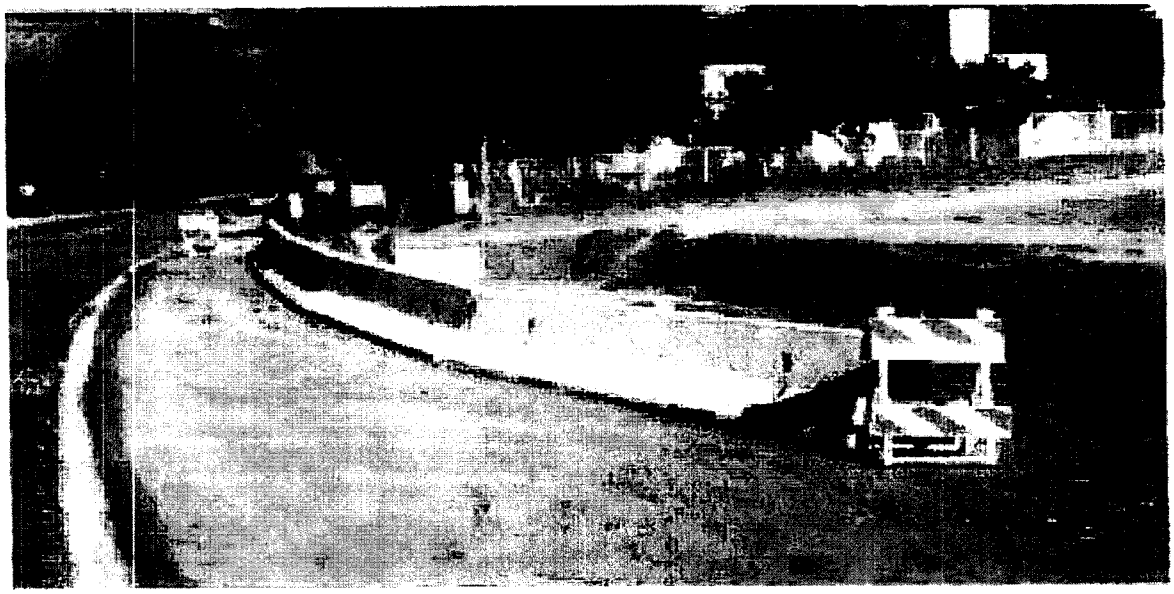
Left: Elizabeth Lake Rd @ W/o MM 18.53

Below: Elizabeth Lake Rd W/o MM 18.65

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 27 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - After K-rail Placement



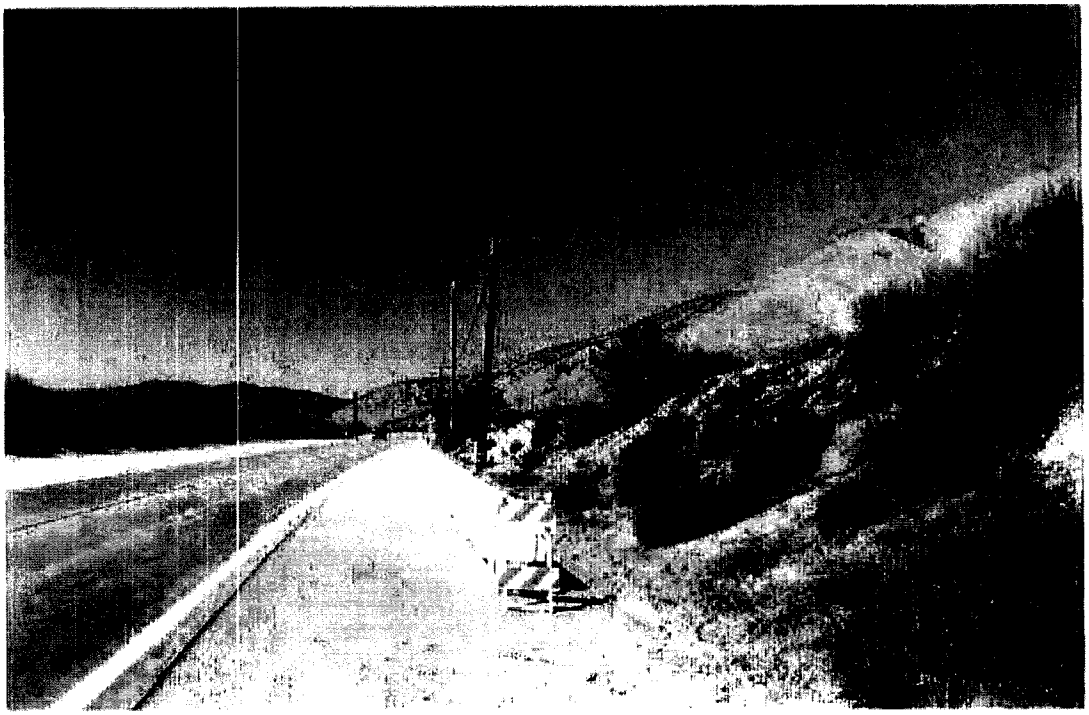
Elizabeth Lake Road @ M.M. 16.71 - After

Elikzabeth Lake Rd @ W/o MM 17.41

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 28 of 47 Applicant LA County Dept of Public Works

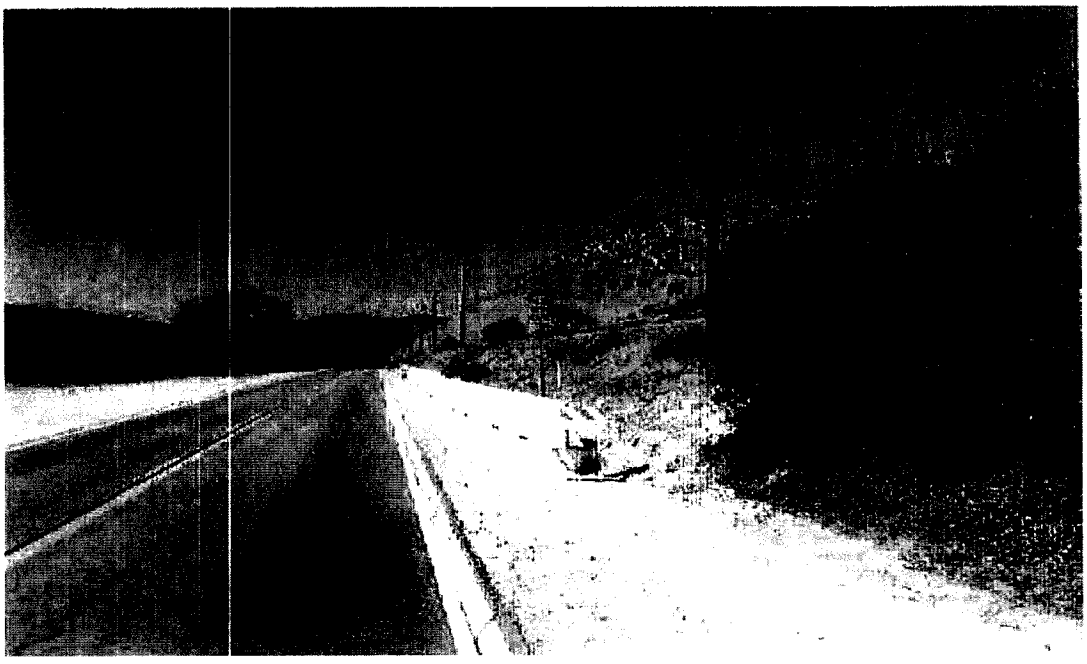
Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - After K-rail Placement



Left: Elizabeth Lake Rd @ W/o MM 17.62

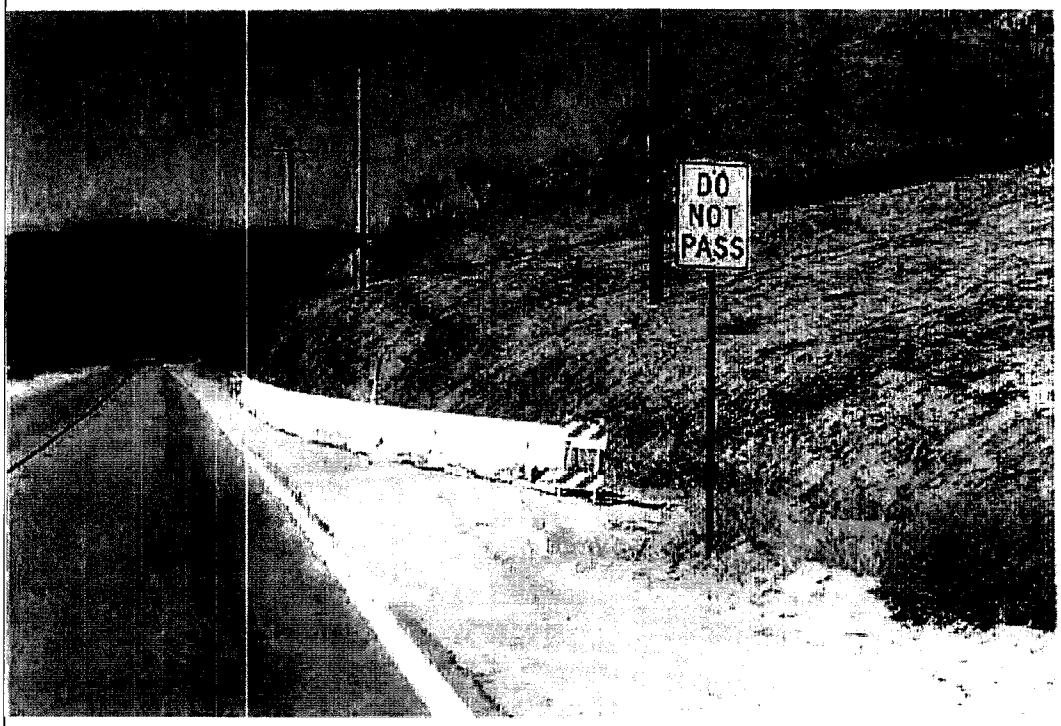
Below: Elizabeth Lake Rd W/o MM 18.13

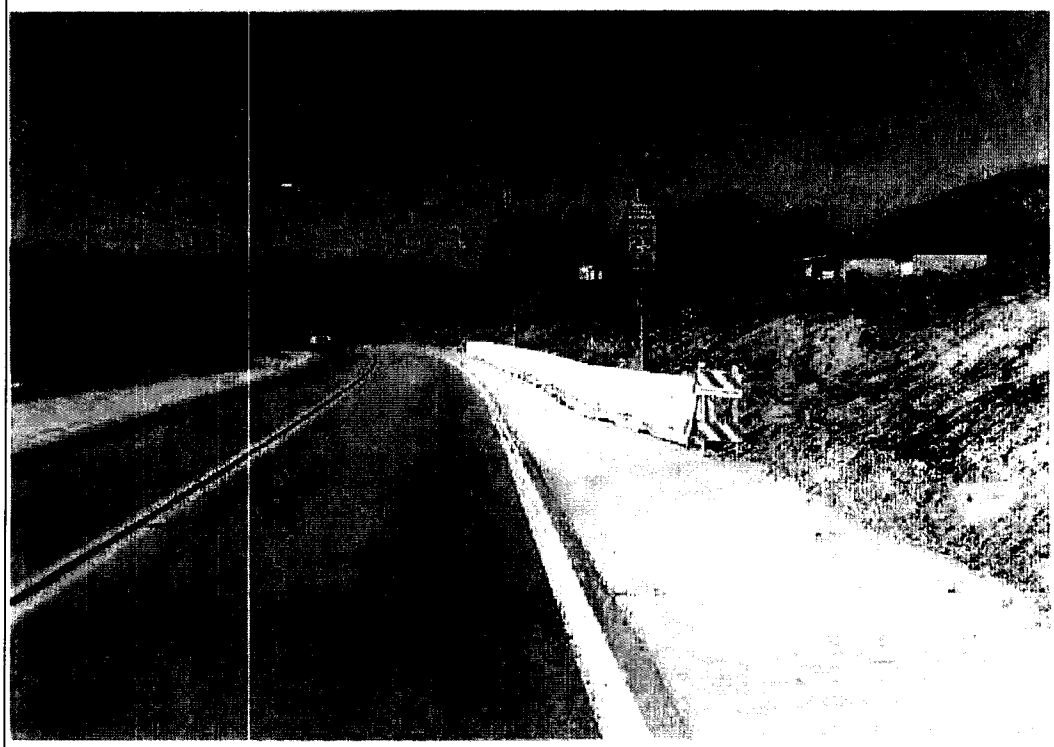


U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 29 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - After K-rail Placement





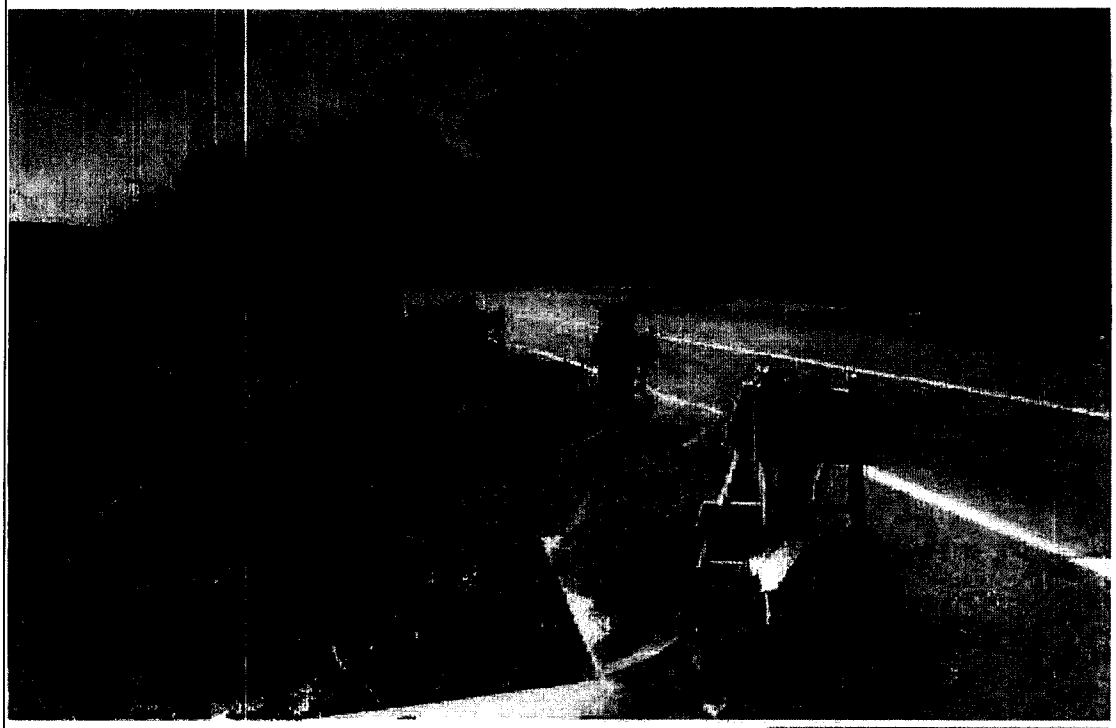
Left: Elizabeth Lake Rd @ W/o MM 18.53

Below: Elizabeth Lake Rd W/o MM 18.85

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 33 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Barricading



Left - Elizabeth Lake Road @ Ranch Club Road, looking easterly

Below - Elizabeth Lake Road @ San Francisquito Canyon Road, looking westerly

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 31 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

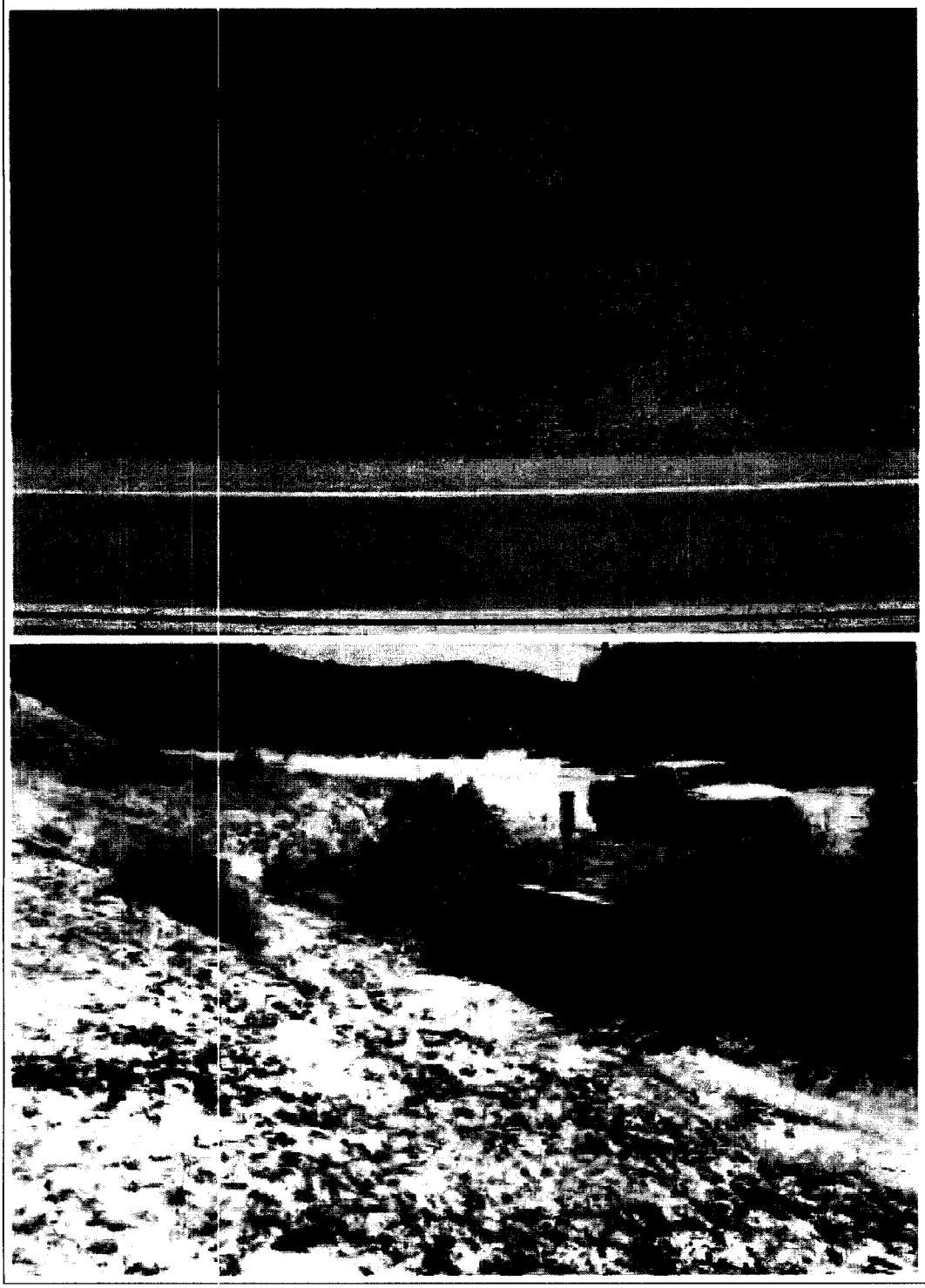
Left - Elizabeth Lake Road @ MM 16.71

Below - Elizabeth Lake Road @ MM 16.71

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 32 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before



Left - Elizabeth Lake Road W/o MM 17.41
Below - Elizabeth Lake Road @ MM 17.41

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

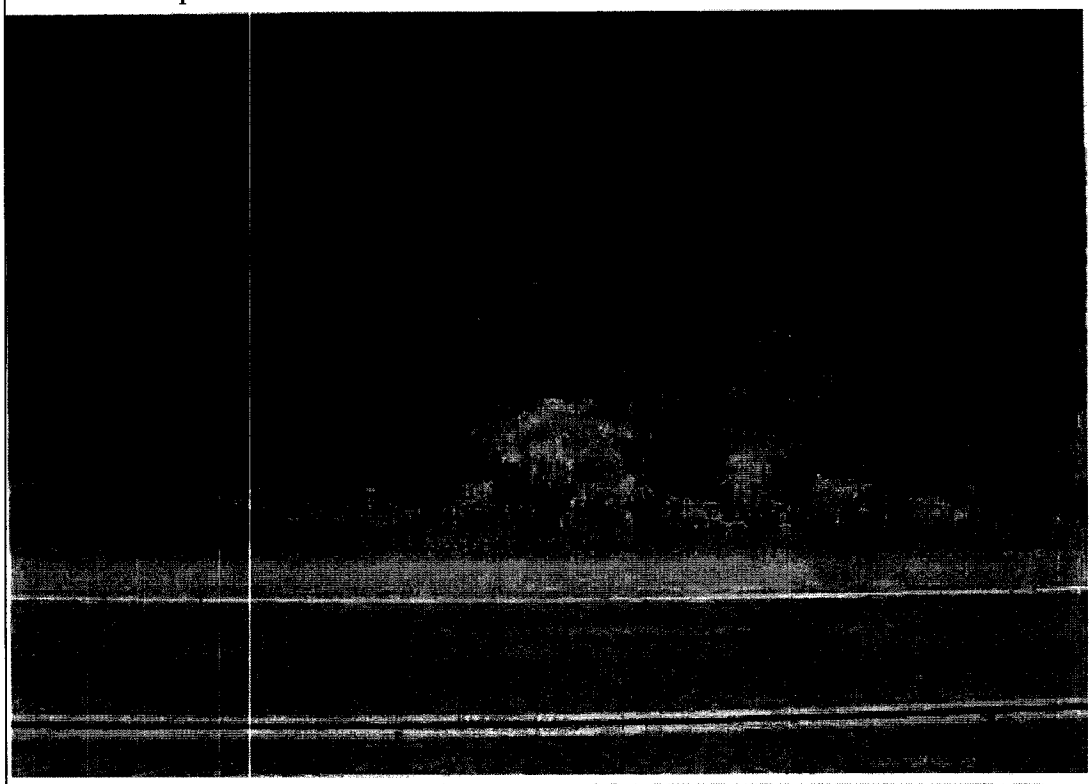
Sheet # 33 of 47

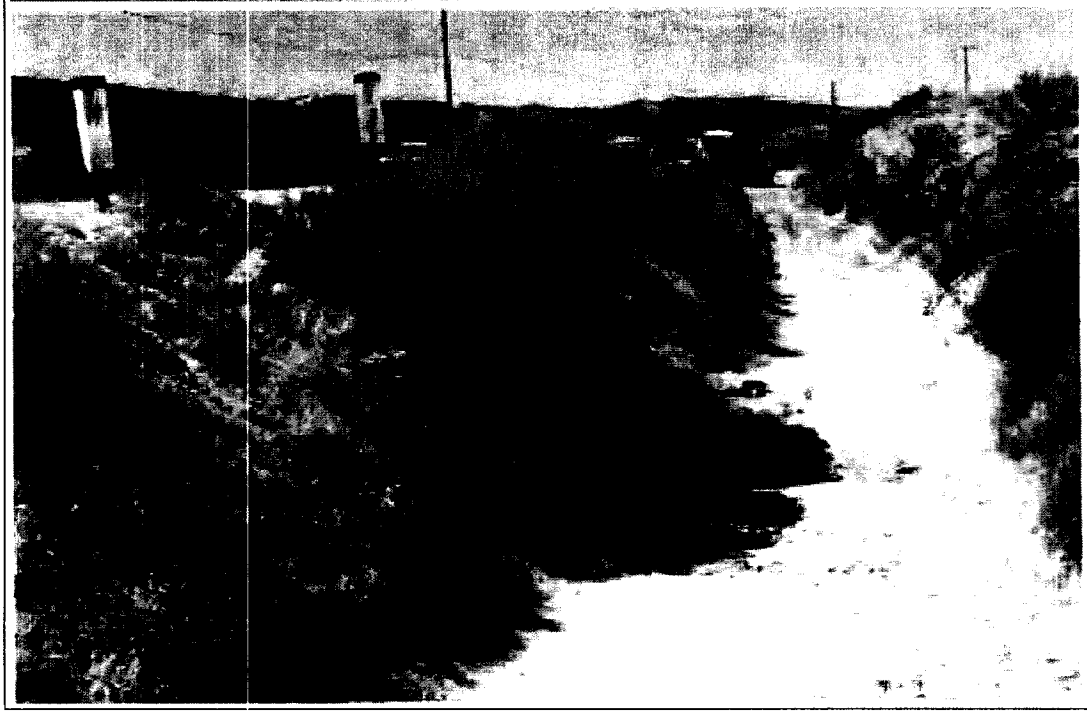
Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before





Left - Elizabeth Lake Road W/o MM 17.62
Below - Elizabeth Lake Road @ MM 17.62

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 34 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Elizabeth Lake Road W/o MM 17.81

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LACO - 0 0 2 - 0 Sheet # 35 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Left - Elizabeth Lake Road W/o MM 18.13
Below - Elizabeth Lake Road W/o MM 18.13

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 36 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Photo description:

Elizabeth Lake Road @ MM 18.36

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

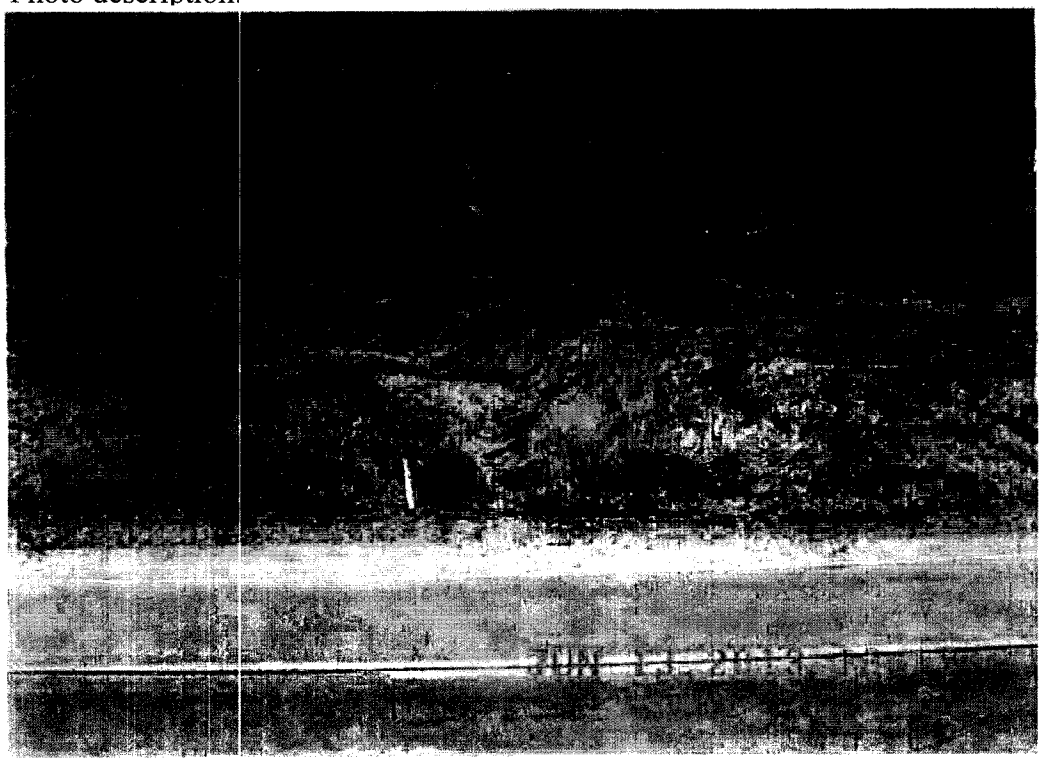
Sheet # 37 of 47

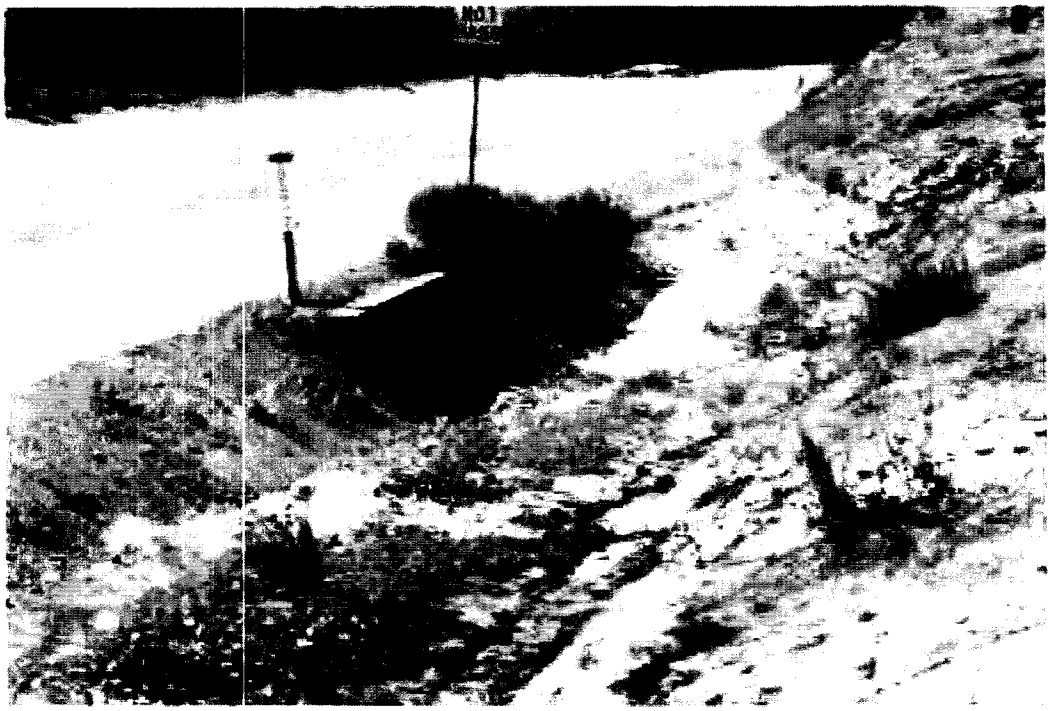
Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before





Left - Elizabeth Lake Road W/o MM 18.53
Below - Elizabeth Lake Road W/o MM 18.53

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 38 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Elizabeth Lake Road @ MM 18.66

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 39 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Left - Elizabeth Lake Road W/o MM 18.85
Below - Elizabeth Lake Road @ MM 18.85

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 41 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Left - Elizabeth Lake Road @ MM 19.26
Below - Elizabeth Lake Road @ MM 19.38

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

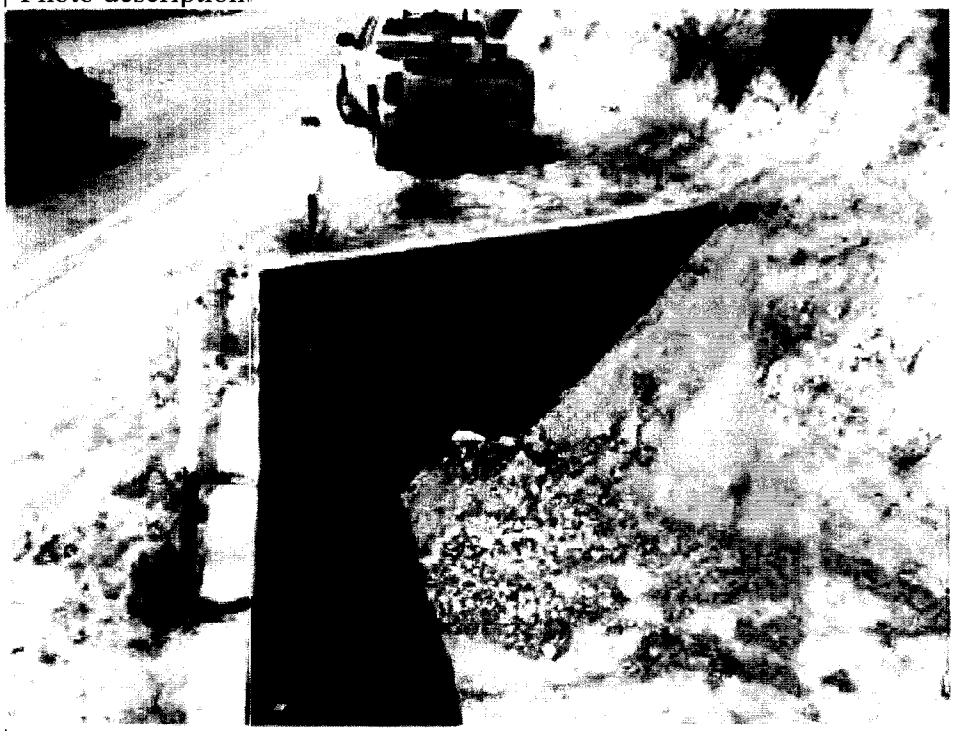
Sheet # 41 of 47

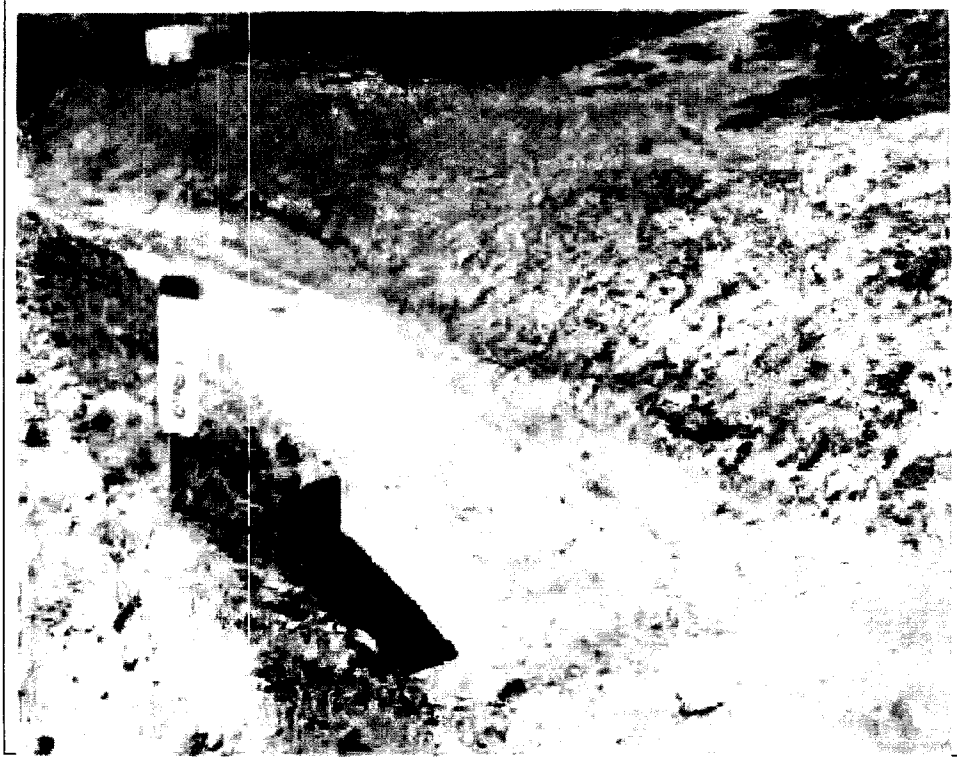
Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before





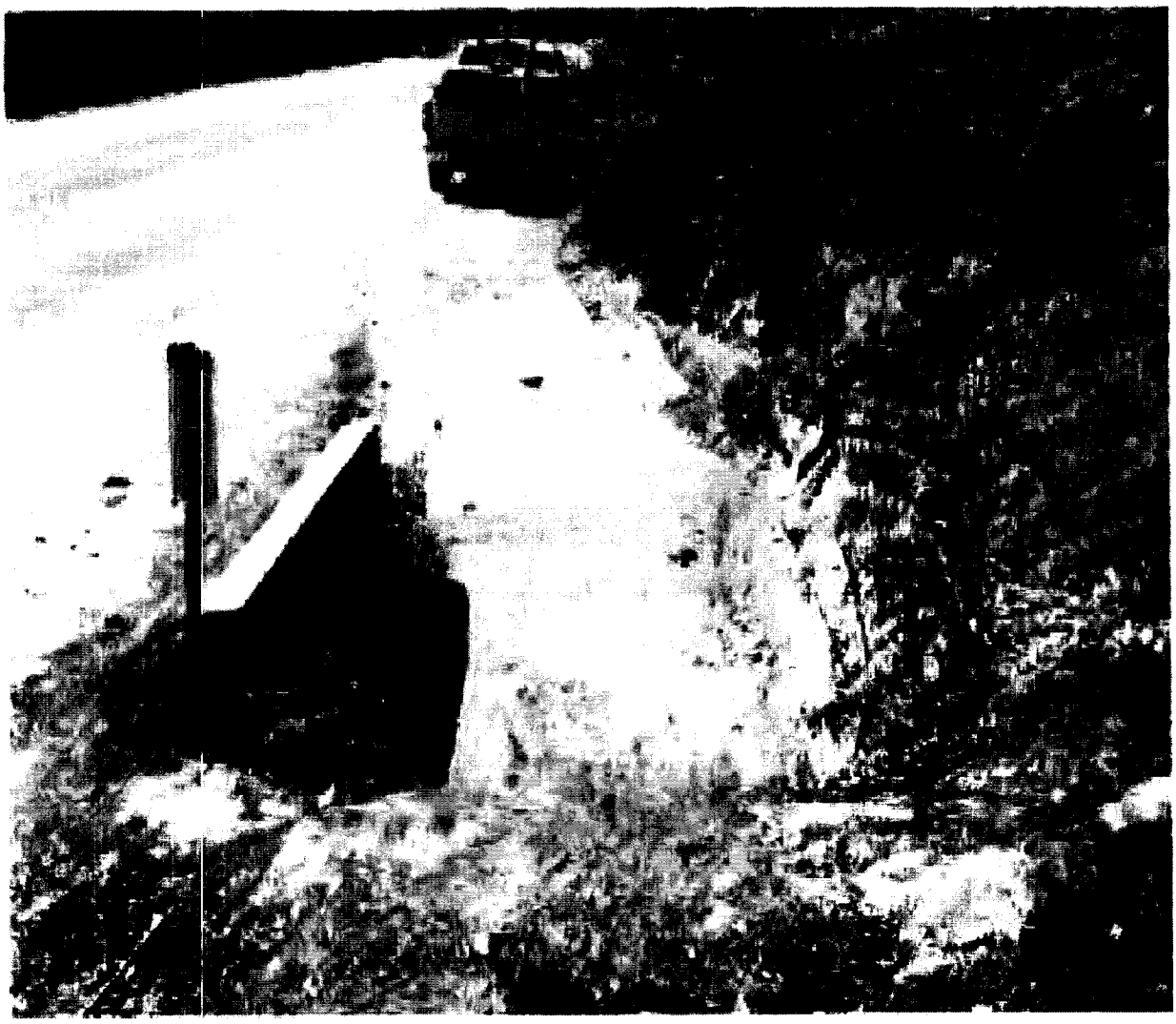
Left - Elizabeth Lake Road @ MM 19.57
Below - Elizabeth Lake Road @ MM 19.69

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)	DAF # RBS - LAXCOD - 0 0 2 - 0 Sheet # 42 of 47 Applicant LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - Culvert Repair/Clean Out Before

Elizabeth Lake Road @ MM 19.81



U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

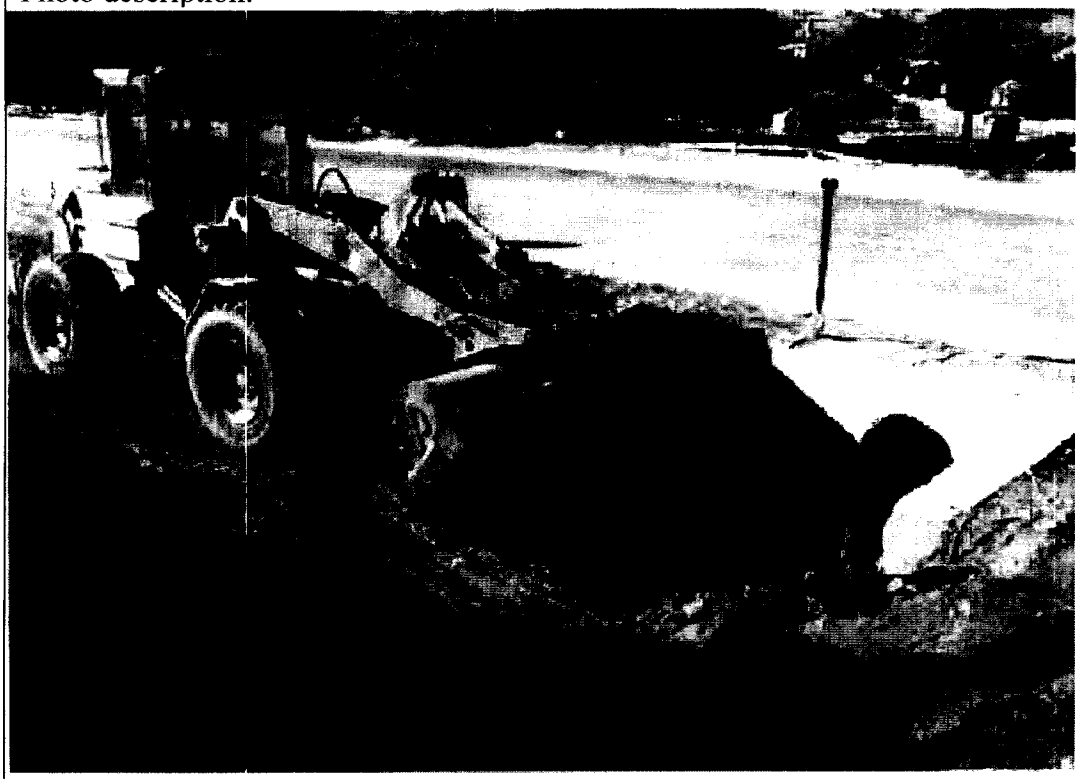
Sheet # 43 of 47

Applicant

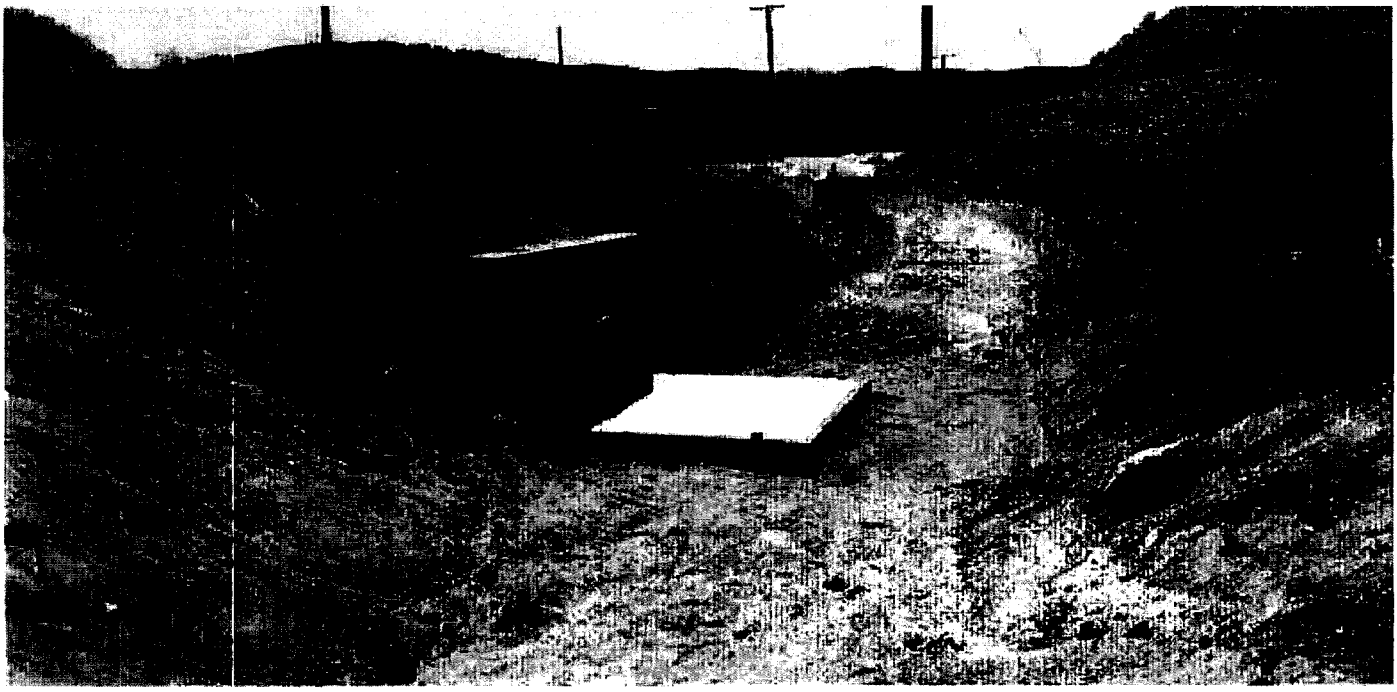
LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - During culvert clean out



Left - Elizabeth Lake Road @ MM 16.71
Below - Elizabeth Lake Road @ MM 17.41



U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

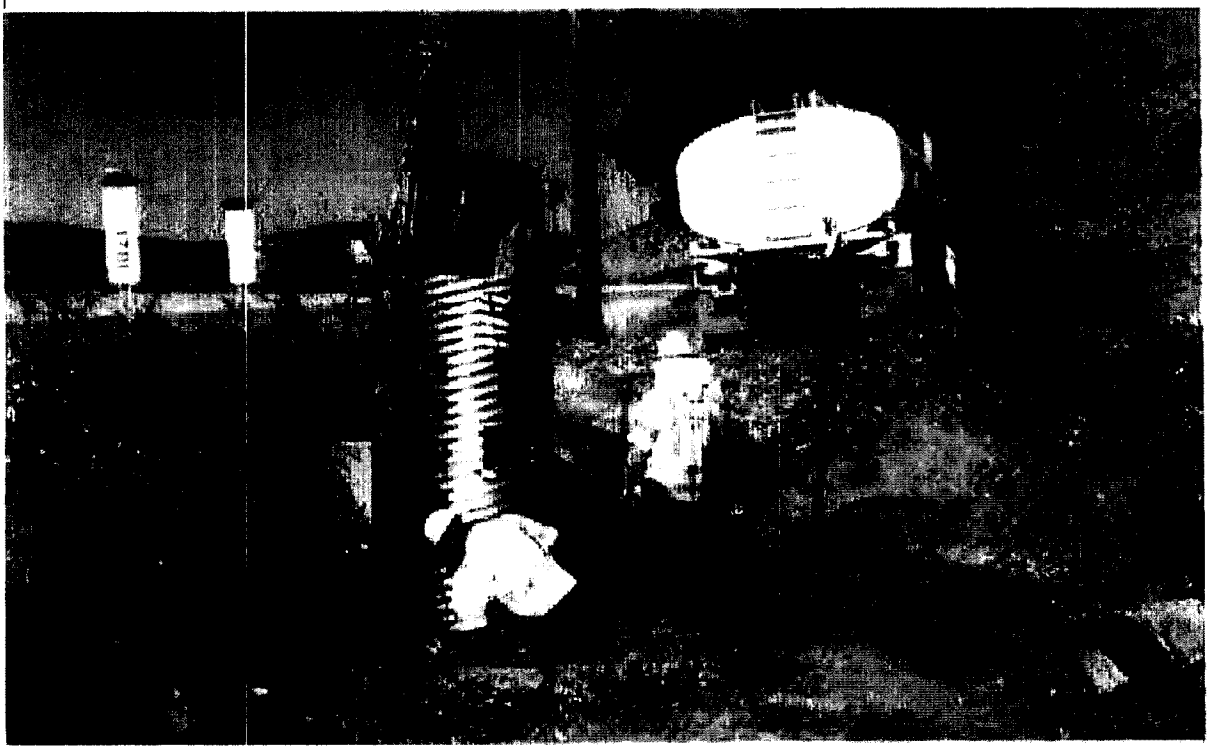
Sheet # 44 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - During culvert clean out



Left - Elizabeth Lake Road @ MM 17.62
Below - Elizabeth Lake Road @ MM 17.81

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 45 of 47

Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description: Elizabeth Lake Rd - During culvert clean out

Left - Elizabeth Lake Road @ MM 18.85
Below - Elizabeth Lake Road @ MM 19.26

U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 46 of 47

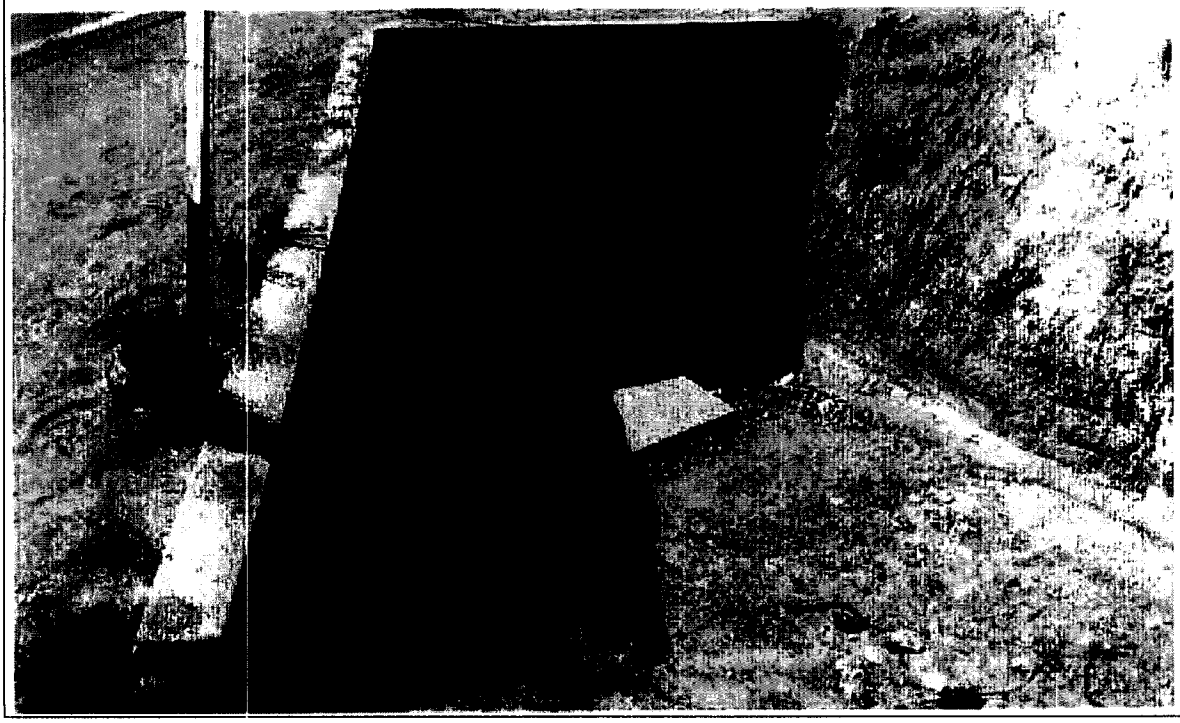
Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description

Left - Elizabeth Lake Road @ MM 19.38
Below - Elizabeth Lake Road @ MM 19.57



U.S. Department of Transportation
Federal Highway Administration-
California Division- Title 23
Damage Assessment Form (DAF)

DAF # RBS - LACO - 0 0 2 - 0

Sheet # 47 of 47

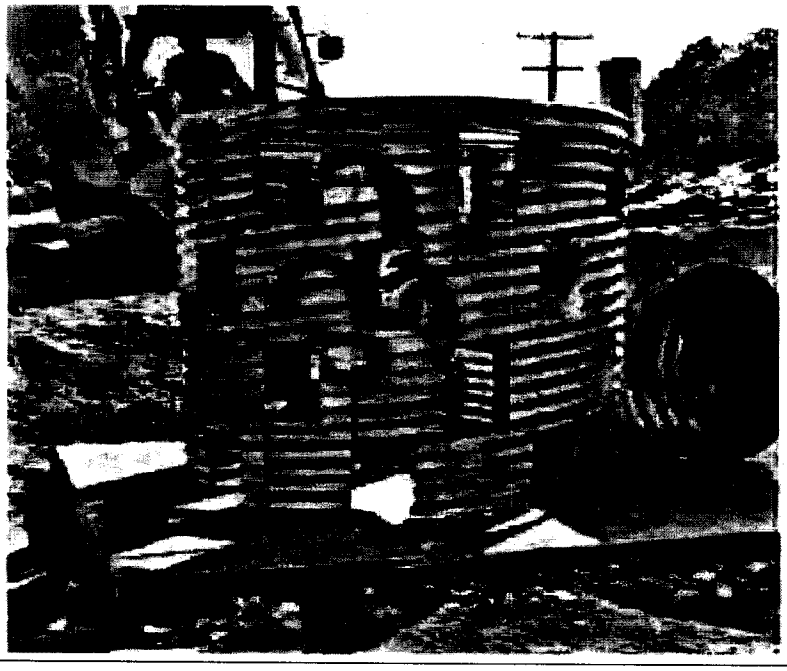
Applicant

LA County Dept of Public Works

Photos, Sketches and/or Narrative

Photo description:

Left - Elizabeth Lake Road @ MM 19.69
Below - Elizabeth Lake Road @ MM 19.87



Federal Aid Data System

HELP (Rev 1/2013)

Tuesday, November 26, 2013
You are logged in as:
S127512 REYNALDO SARMIENTO

Project Request | DAF | Reports | User Profile | Administration | Log Off | Home

Listing of Revisions for This DAF

Select Edit to update the DAF below. Select Delete to delete the DAF. Select Create Revision to create a revision for this DAF.

Report No: RBS-LACO -002 Disaster No: CA2013-2 County: 037 - LA

	Rev No	Created By	Create Date	Last Updated By	Update Date
Edit Delete	0	SARMIENTO, REYNALDO	11/21/2013	SARMIENTO, REYNALDO	11/26/2013

Create Revision

DAF | DAF Status

Report No: RBS-LACO -002-0 Disaster No: CA2013-2 County: 037 - LA Incident Date: 05/30/2013 mm/dd/yyyy Inspect Date: 11/25/2013

District: 07 Admin: LOCAL Responsible Agency: 5953

Applicant: LOS ANGELES CO DEPT OF PUBLIC WOR Func. Class Code: UC - UNDIVIDED/COLLECTOR (MAJOR)

Save

Road/Bridge Name: ELIZABETH LAKE RD Per Site or Per Mile: PER SITE Begin PM: 16.71 End PM: 19.87 Total Feet: 16685.00

Bridge No: Type:

Traveled Way Width: 24-36 Type: AC

Shoulder Width: 44-81 Type: GRAVEL

Federal Aid Hwy: ○ Yes ○ No Map No: 13T41

Forest Hwy System: ○ Yes ◉ No State/Local Rte No:

Interstate: ○ Yes ◉ No ADT (Existing): 3354

Damage Description (at most 400 characters):

THE 2013 POWERHOUSE FIRE BURNED / DAMAGED TREES, CREATED EXCESSIVE SLOUGHINGS

COST ESTIMATE

Emergency Opening Agency Forces

Description of Work: REPLACED BURNED / DAMAGED TRAFFIC SIGNS & RAISED PAVMNT MARKERS; PLACED ROAD CLOSURE SIGNS; PLACED CLOSURE SIGNS; REMOVED DEBRIS FROM CULVERT INLETS; SEE DAF FOR ADDITIONAL SCOPE OF WORK

SPN/Contract No:

CT Work Order No: 1: 2: 3: 4: 5:

Cost Summary

PE: 68,684.00
CE: 29,436.00
CON: 490,600.00

Emergency Opening Contract

Description of Work

SPN/Contract No:

Cost Summary

PE:
CE:
CON:
R/W: 10,000.00

Subtotal Emergency Opening: 598,720.00

Permanent Restoration

Description of Work

Contract Type: Select one

SPN:

Cost Summary

PE:
CE:
CON:
R/W:

Subtotal Permanent Restoration:

Preliminary Engineering Total:	68,684.00
Construction Engineering Total:	29,436.00
Right of Way Total:	10,000.00
Construction Total:	490,600.00
Total Estimated:	598,720.00

Eligible		Last Name	First Name	Date
◉ Yes ○ No ○ N/A	Local Agency:	SALEHPOUR	RAY	11/13/2013 mm/dd/yyyy
◉ Yes ○ No	Caltrans:	SARMIENTO	REYNALDO	11/26/2013 mm/dd/yyyy
○ Yes ○ No ◉ N/A	FHWA:			mm/dd/yyyy

Created By: SARMIENTO , REYNALDO Date: 11/21/2013 Last Updated By: SARMIENTO, REYNALDO Date: 11/26/2013

Save Reset