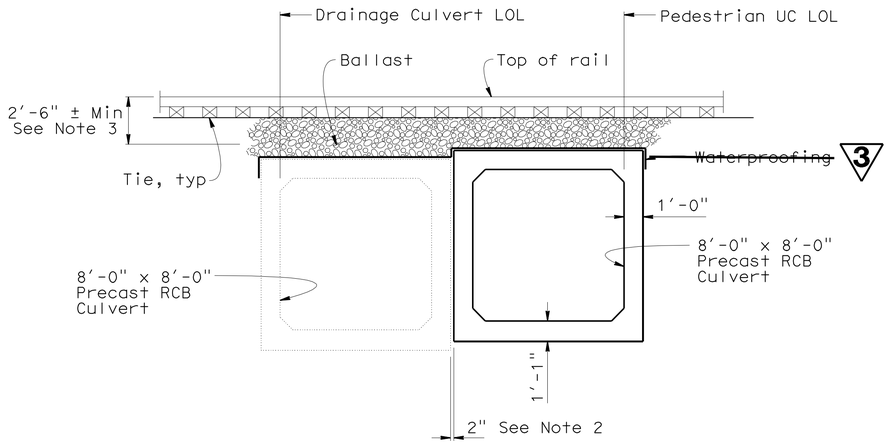
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven,SB	101	R39.8/R43.6, 0.0/2.2	571	757

Mahmoud Fustok 10-18-10
REGISTERED CIVIL ENGINEER DATE

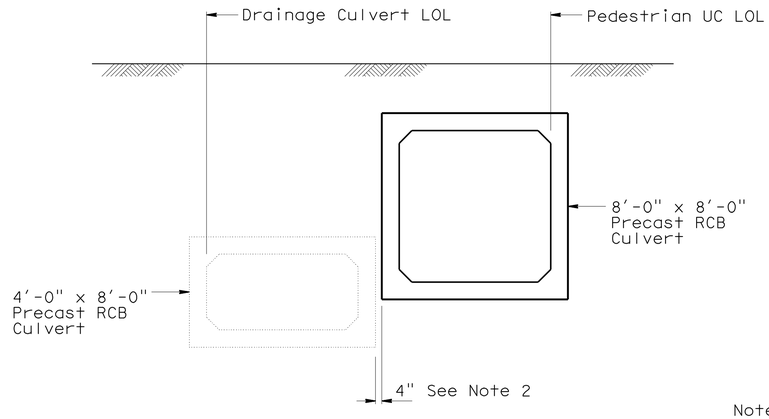
6-20-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAHMOUD FUSTOK No. C51502 Exp. 06-30-12 CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



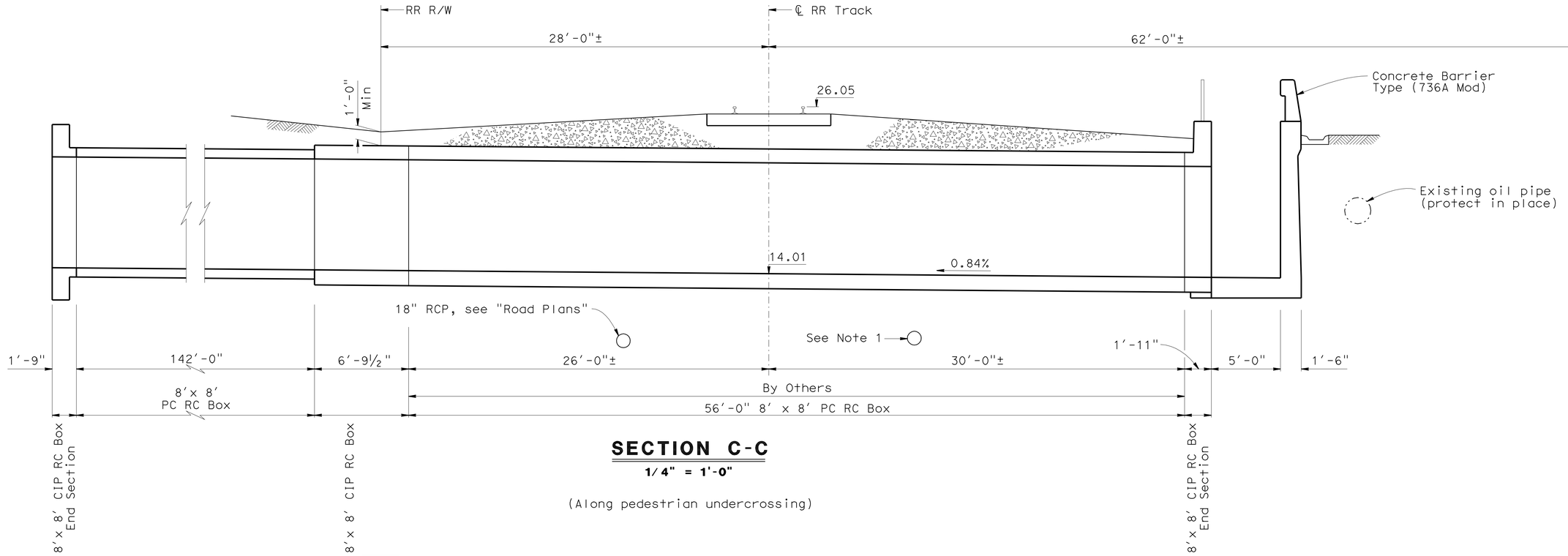
SECTION A-A
1/4" = 1'-0"



SECTION B-B
1/4" = 1'-0"

Notes:

1. Fiber optic conduits to be relocated below ground.
2. Gaps between culverts to be filled with slurry cement backfill.
3. Match existing top of rail grades.



SECTION C-C
1/4" = 1'-0"

(Along pedestrian undercrossing)

3 REVISED PER ADDENDUM No. 3 DATED NOVEMBER 23, 2011

DESIGN	BY M. Fustok	CHECKED W. Addlespurger	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE DESIGN LOAD			
DETAILS	BY Various	CHECKED M. Fustok	LAYOUT	BY F. Fustok	CHECKED W. Addlespurger		
QUANTITIES	BY M. Fustok	CHECKED W. Addlespurger	SPECIFICATIONS	BY Erwin Rufino	PLANS AND SPECS COMPARED Erwin Rufino		

Matt Holm
DESIGN ENGINEER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 12

BRIDGE NO. 52-0467
POST MILE 41.58

PEDESTRIAN UC
GENERAL PLAN NO. 2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 260701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 7-23-10 | 1-6-10 | 2-14-11 | 2-18-11 | 3-2-11 | 4-18-11

SHEET 2 OF 29

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => b-52-0467-a-gp02.add

USERNAME => s12161 4 DATE PLOTTED => 22-NOV-2011 TIME PLOTTED => 10:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven,SB	101	R39.8/R43.6, 0.0/2.2	572	757

Mahmoud Fustok 10-18-10
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAHMOUD FUSTOK No. C51502 Exp. 06-30-12 CIVIL — STATE OF CALIFORNIA

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GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: CALTRANS BRIDGE DESIGN SPECIFICATIONS - April 2000 (LFD)
(1996 AASHTO with Interims and Revisions by CALTRANS)

RETAINING WALL (SERVICE LOAD DESIGN):
f_s = 24,000 psi
f'_c = 1,400 psi
n = 9

LIVE LOADING SURCHARGE: 240 lbs / Sq Ft

REINFORCED CONCRETE:
f_y = 60,000 psi
f'_c = 3,600 psi

FOR CAST-IN-PLACE RCB CULVERT

DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO specifications with Revisions by CALTRANS)

FOR LOADS AND LOAD FACTORS SEE: D82

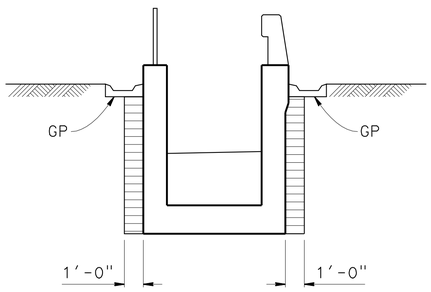
ALLOWABLE FOOTING PRESSURE: 9.2 kips per Sq Ft

QUANTITIES

STRUCTURE EXCAVATION (PETROLEUM HYDROCARBON)	223	CY
STRUCTURE EXCAVATION (RETAINING WALL)	322	CY
SLURRY FILL	89	CY
STRUCTURE BACKFILL (RETAINING WALL)	200	CY
STRUCTURAL CONCRETE, RETAINING WALL	221	CY
STRUCTURAL CONCRETE, BOX CULVERT	18	CY
8'X 8' PRECAST REINFORCED CONCRETE BOX CULVERT	142	LF
ARCHITECTURAL TEXTURE (SEASIDE MOTIF)	3,304	SQFT
BAR REINFORCING STEEL (EPOXY COATED) (RETAINING WALL)	19,800	LB
BAR REINFORCING STEEL (EPOXY COATED) (BOX CULVERT)	3,018	LB
MINOR CONCRETE (SIDEWALK)	30	CY
MINOR CONCRETE (GUTTER)	343	LF
~~WATERPROOFING~~	~~616~~	~~SQFT~~
PIPE HANDRAILING (MODIFIED)	768	LF
CABLE RAILING	200	LF
CONCRETE BARRIER (TYPE 736A MODIFIED)	179	LF

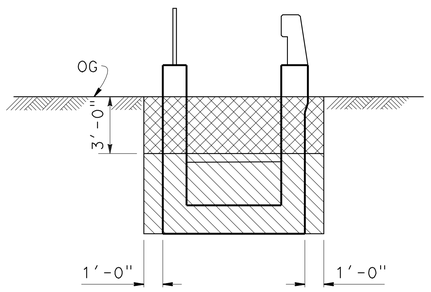
3

INDEX TO PLANS



PAY LIMITS BACKFILL
1/4" = 1'-0"

Structure backfill (Retaining wall)



PAY LIMITS EXCAVATION
1/4" = 1'-0"

Structure excavation (Retaining wall)

Structure excavation (Petroleum Hydrocarbon)

STANDARD PLANS DATED MAY 2006

A10A	ACRONYMS AND ABBREVIATIONS (A-L)
A10B	ACRONYMS AND ABBREVIATIONS (M-Z)
A87-A	CURBS AND DRIVEWAYS
A88-A	CURB RAMP DETAILS
B0-3	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B3-8	RETAINING WALL DETAILS NO. 1
B3-9	RETAINING WALL DETAILS NO. 2
B11-47	CABLE RAILING
B11-55	CONCRETE BARRIER TYPE 732
D75-A	STEEL PIPE INLETS
D82	CAST-IN-PLACE REINFORCED CONCRETE BOX CULVERT MISCELLANEOUS DETAILS

3 **REVISED PER ADDENDUM No. 3 DATED NOVEMBER 23, 2011**

DESIGN	BY W. Fustok	CHECKED W. Addlespurger
DETAILS	BY Various	CHECKED M. Fustok
QUANTITIES	BY W. Fustok	CHECKED W. Addlespurger

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 12

BRIDGE NO. 52-0467
POST MILE 41.58

PEDESTRIAN UC
INDEX TO PLANS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 260701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 8-24-10 | 9-3-10 | 10-14-10 | 2-18-11 | 2-28-11 | 2-28-11 | 4-18-11

SHEET 3 OF 29

FILE => b-52-0467-b-itp.add

USERNAME => s1216l4 DATE PLOTTED => 22-NOV-2011 TIME PLOTTED => 10:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven,SB	101	R39.8/R43.6, 0.0/2.2	650	757

Mahmoud Fustok 10-18-10
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAHMOUD FUSTOK No. C51502 Exp. 06-30-12 CIVIL — STATE OF CALIFORNIA

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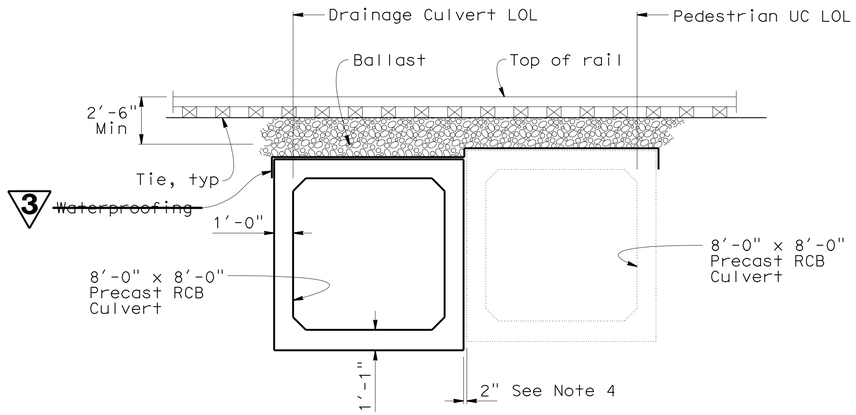
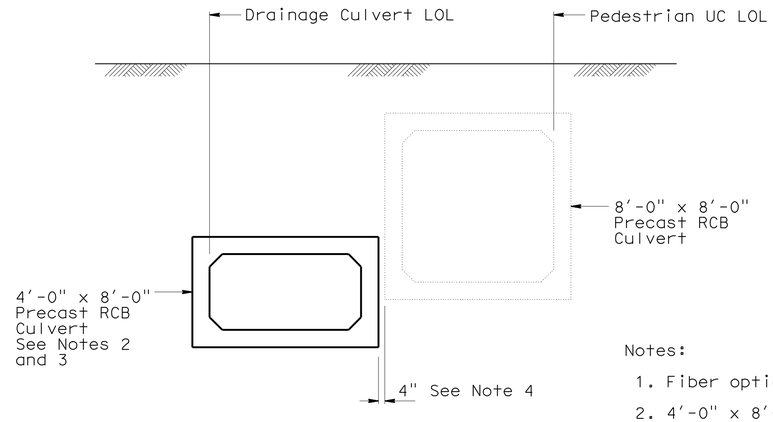


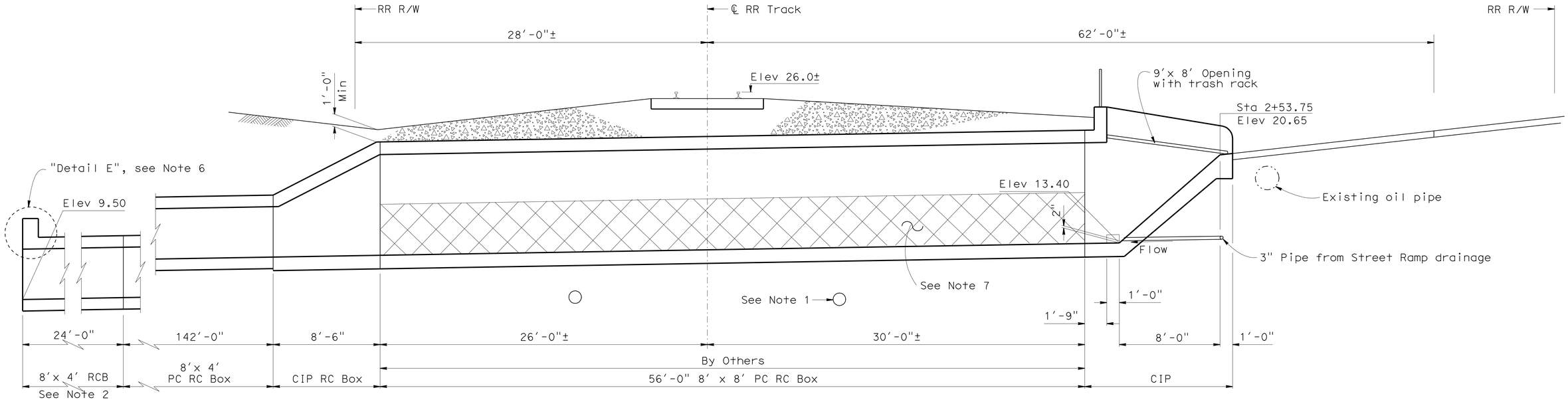
SECTION A-A
1/4" = 1'-0"



SECTION B-B
1/4" = 1'-0"

Notes:

1. Fiber optic conduits to be relocated below ground.
2. 4'-0" x 8'-0" CIP RCB, Sta 4+76.00 to Sta 5+00.00.
3. Transition from 8'-0" x 8'-0" Precast RCB to 4'-0" x 8'-0" Precast RCB Sta 3+27.50 to Sta 3+34.00.
4. Gaps between culverts to be filled with slurry cement backfill.
5. Rail, fasteners, ties and ballast to be removed and replaced per UPRR.
6. For "Detail E, see "Culvert Cross Section No. 2" sheet.
7. Remove asphalt surfacing and aggregate base.



SECTION C-C
1/4" = 1'-0"
(Along drainage culvert)

3 REVISED PER ADDENDUM No. 3 DATED NOVEMBER 23, 2011

Matt Holm DESIGN ENGINEER	DESIGN	BY M. Fustok	CHECKED W. Addlespurger	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 12	BRIDGE NO. 52-0466 POST MILE 41.58
	DETAILS	BY Various	CHECKED M. Fustok	LAYOUT	BY F. Fustok	CHECKED W. Addlespurger			DRAINAGE CULVERT GENERAL PLAN NO. 2
	QUANTITIES	BY M. Fustok	CHECKED W. Addlespurger	SPECIFICATIONS	BY Erwin Rufino	PLANS AND SPECS COMPARED Erwin Rufino			

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 260701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 7-23-10 | 8-30-10 | 9-2-10 | 1-4-11 | 1-28-11 | 2-15-11 | 2-22-11 | 6-19-11

SHEET 2 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => d-52-0466-a-gp02.add

USERNAME => s12614 DATE PLOTTED => 22-NOV-2011 TIME PLOTTED => 10:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven,SB	101	R39.8/R43.6, 0.0/2.2	651	757

Mahmoud Fustok 10-18-10
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAHMOUD FUSTOK
No. C51502
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: CALTRANS BRIDGE DESIGN SPECIFICATIONS - April 2000 (LFD)
(1996 AASHTO with Interims and Revisions by CALTRANS)

REINFORCED CONCRETE: f_y = 60,000 psi

f'_c = 3,600 psi

FOR CAST-IN-PLACE RCB CULVERT

DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO specifications with Revisions by CALTRANS)

FOR LOADS AND LOAD FACTORS SEE: D82

ALLOWABLE FOOTING PRESSURE: 9.2 kips per Sq Ft

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING AND AGGREGATE BASE	56	CY
REMOVE CULVERT	165	LF
4'X8' PRECAST REINFORCED CONCRETE BOX CULVERT	142	LF
STRUCTURAL CONCRETE, BOX CULVERT	45	CY
MINOR CONCRETE (APRON)	6	CY
BAR REINFORCING STEEL (EPOXY COATED) (BOX CULVERT)	8,670	LB
~~WATERPROOFING~~	~~616~~	~~SQFT~~
MISCELLANEOUS METAL (BRIDGE)	762	LB
CABLE RAILING	10	LF

3

INDEX TO PLANS

STANDARD PLANS DATED MAY 2006

A10A	ACRONYMS AND ABBREVIATIONS (A-L)
A10B	ACRONYMS AND ABBREVIATIONS (M-Z)
D82	CAST-IN-PLACE REINFORCED CONCRETE BOX CULVERT MISCELLANEOUS DETAILS

3 **REVISED PER ADDENDUM No. 3 DATED NOVEMBER 23, 2011**

DESIGN	BY M. Fustok	CHECKED C. Hensel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 12	BRIDGE NO. 52-0466
DETAILS	BY Various	CHECKED M. Fustok			POST MILE 41.58
QUANTITIES	BY C. Hensel	CHECKED M. Fustok			

DRAINAGE CULVERT
INDEX TO PLANS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 260701

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: ~~9-12-10~~ ~~8-30-10~~ ~~9-2-10~~ ~~2-28-11~~ 2-28-11

SHEET 3 OF 12

FILE => d-52-0466-b-itp.add

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