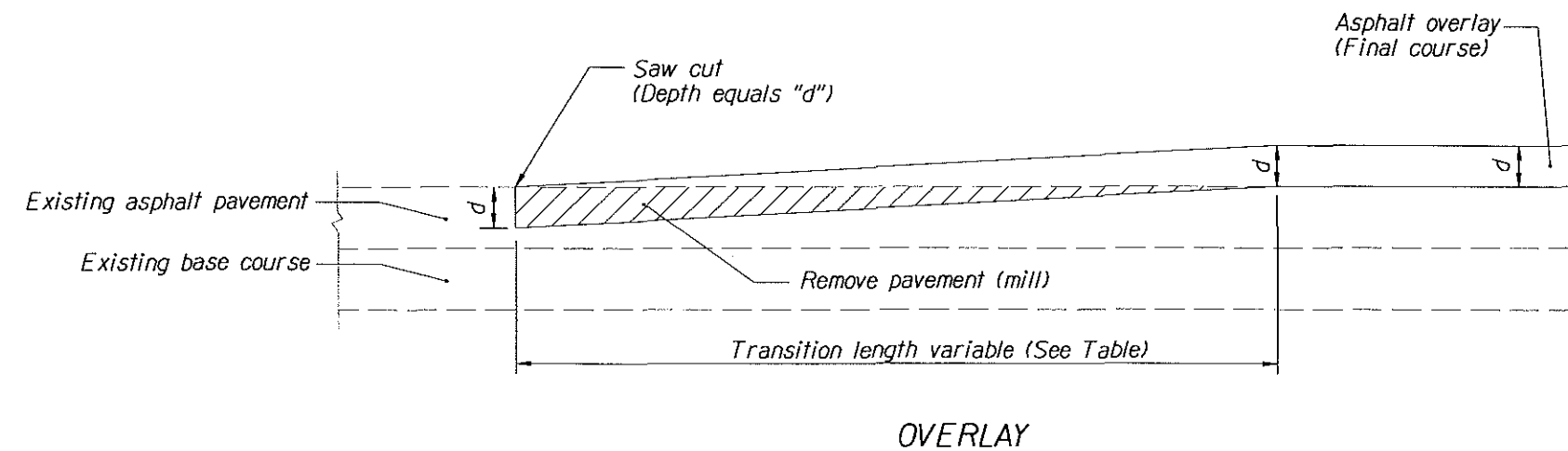
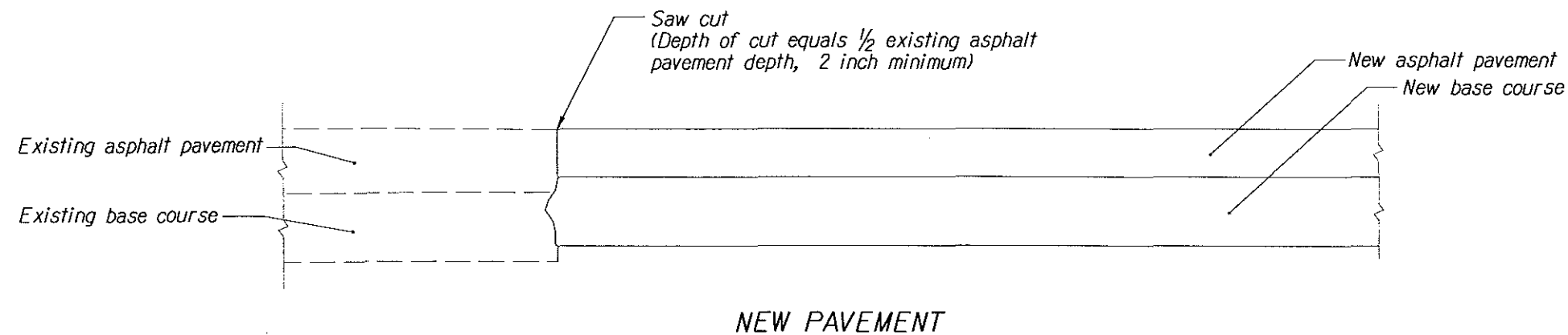
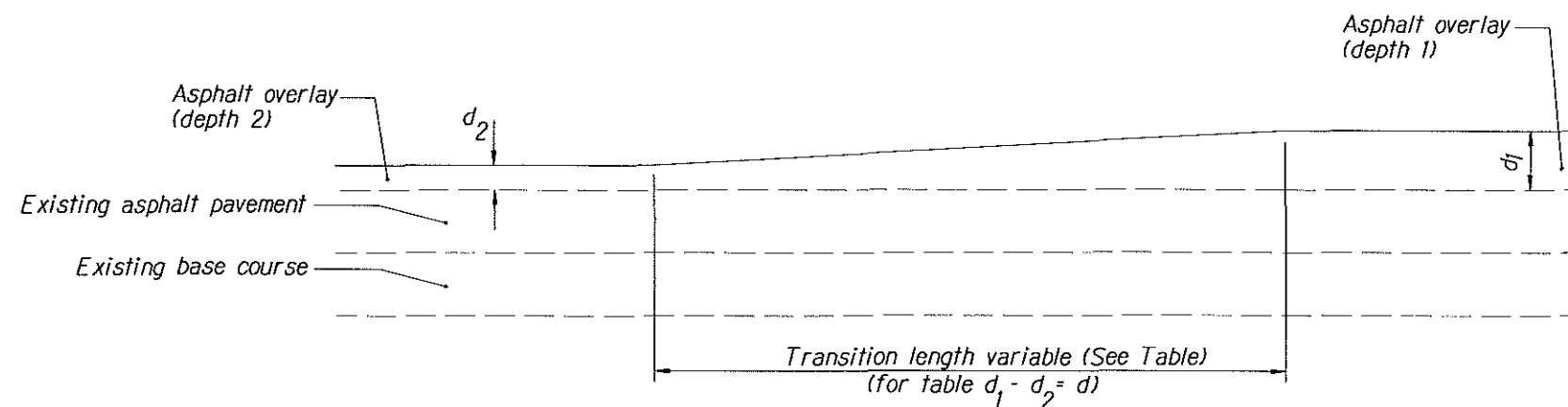


STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD/STP 6(3) # 200K1	J1	J2

NOTE:
Pavement milling shall be considered subsidiary to the asphalt pavement pay item. Dispose of millings off of the project.



TRANSITION TABLE	
d - in	Transition Length - Feet
1	15
1-1/2	30
2	40
2-1/2	50
3	65
4	80



BRUCE K. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

The work was prepared by me or under my supervision and construction of this project will be under my observation.
Expiration Date of License 4/2016

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SPECIAL (HDOT M40H-1)
PAVEMENT TRANSITIONS

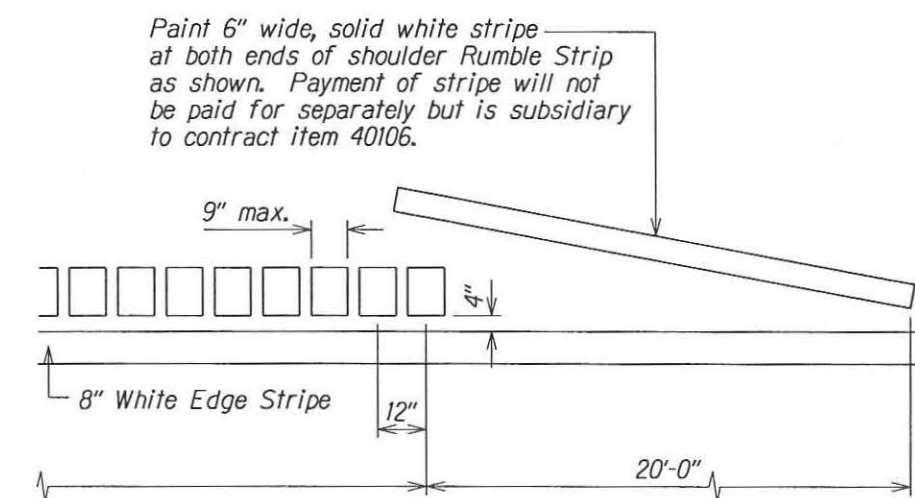
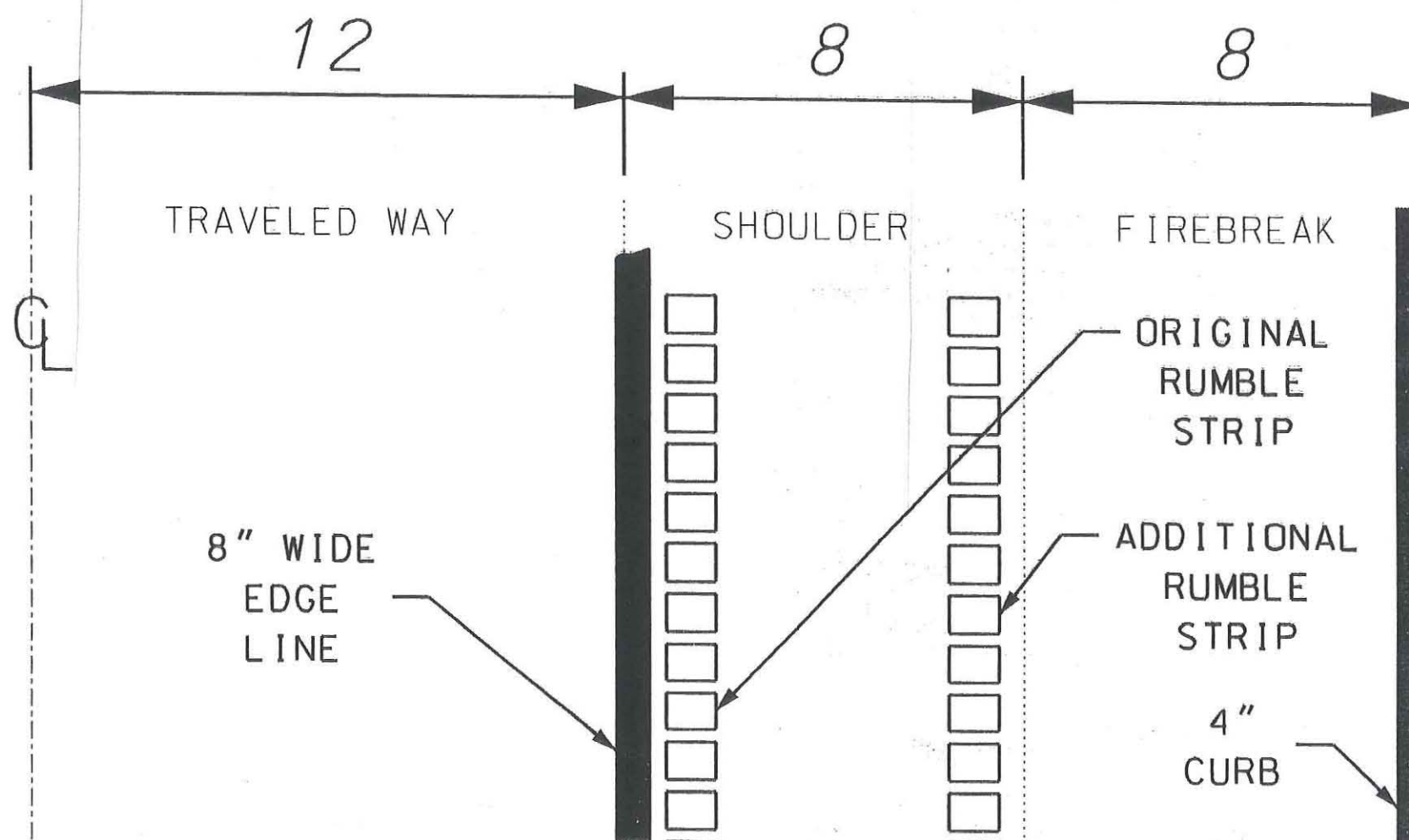
Scale: N.T.S. Date: December 5, 2005

SHEET No. 1 OF 1

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD/STP 6(3) & 200(1)	J2	J2



Page 4 of 6



It the Milled Rumble Strip construction method to the acting Officer for acceptance prior to the actual work.

ruction of the Milled Rumble Strip is paid for under No. 40106. The Rumble Strip and related Striping are dered incidental to Item No. 40106 and will not be paid for ately.

II Milled Rumble Strips along all shoulders, except at right deceleration and acceleration lanes and through major sections. Refer to sheet P56.

It place Type "C" markers within 2 ft. of the 13 ft. Rumble opening.

II Milled Rumble Strips after installation of the edge of ment striping and before installation of the Type "C" markers.

CM 006

REVISED RUMBLE STRIP

375+00 - 568+00 RT
361+00 - 568+00 LT

LONGITUDINAL SECTION

BRUCE K. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

The work was prepared by me or under my supervision and construction of this project will be under my supervision.

Expiration Date of License 4/06.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**SHOULDER RUMBLE STRIP
DETAILS & NOTES**

Scale: N.T.S. Date: December 5, 2005

SHEET No. 1 OF 1

Rec'd 5/22/07

SUBMITTAL TRANSMITTAL

DATE:

5/17/07

TRANSMITTAL NO.

6467-349

SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be submitted by the contractor)

TO:

Federal Highways Administration, CFLHD
P.O. Box 4968 (714 Kanoelohua Ave., Suite 201)
Hilo, HI 96720-0968

FROM:

Goodfellow Bros., Inc.
P.O. Box 383729
Waikoloa, HI 96738

CONTRACT NO.

DTFH68-06-C-00010
HI A-AD/STP 6(3) & 200(1)

CHECK ONE

☒ THIS IS A NEW TRANSMITTAL
☐ THIS IS A RESUBMITTAL OF
TRANSMITTAL

SPECIFICATION SEC. NO. (Cover only one section with each transmittal)

FP & SCR 152.03(g)

PROJECT TITLE AND LOCATION

Saddle Road 3, Pohakuloa Training Area, Hawaii County, Hawaii

CHECK ONE: THIS TRANSMITTAL IS

FOR ☐ FIO ☒ GOV'T APPROVALITEM
NO.

DESCRIPTION OF ITEM SUBMITTED

(Type, size, model number, etc.)

MFG. OR CONTR.
CAT., CURVEDRAWING OR
BROCHURE NO.
(see instruction no. 8)NO.
OF
COPIESCONTRACT REFERENCE
DOCUMENTSPEC
PARA. NO.DRAWING
SHEET NO.VARIATION
(See
instruction
no. 8)FHWA
ACTION
USE
CODE

a.

b.

c.

d.

e.

f.

g.

h.

i.

1

Culvert Extension 0+00 - Plan

Drawing

2

FP & SCR
152.03(g)

1

A

2

Culvert Extension 0+00 - Section

Drawing

2

FP & SCR
152.03(g)

A

3

Culvert Extension 0+00 - Details 1 of 2

Drawing

2

FP & SCR
152.03(g)

A

4

Culvert Extions 0+00 - Details 2 of 2

Drawing

2

FP & SCR
152.03(g)

A

REMARKS:

I hereby certify that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated with Contract No. DTFH68-06-C-00010, is in compliance with the Contract drawings and specifications, can be installed in the allocated spaces, and is ☒ approved for use, ☐ approved for use subject to Government approval of proposed variation.

Certified by the Submittal Reviewer Steve Bartholomew
Date 5/17/07

SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)

NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY

W. Allen Reeves, Asst. Proj. Eng.
W. Allen Reeves

DATE

5/24/07

SHEET ____ OF ____

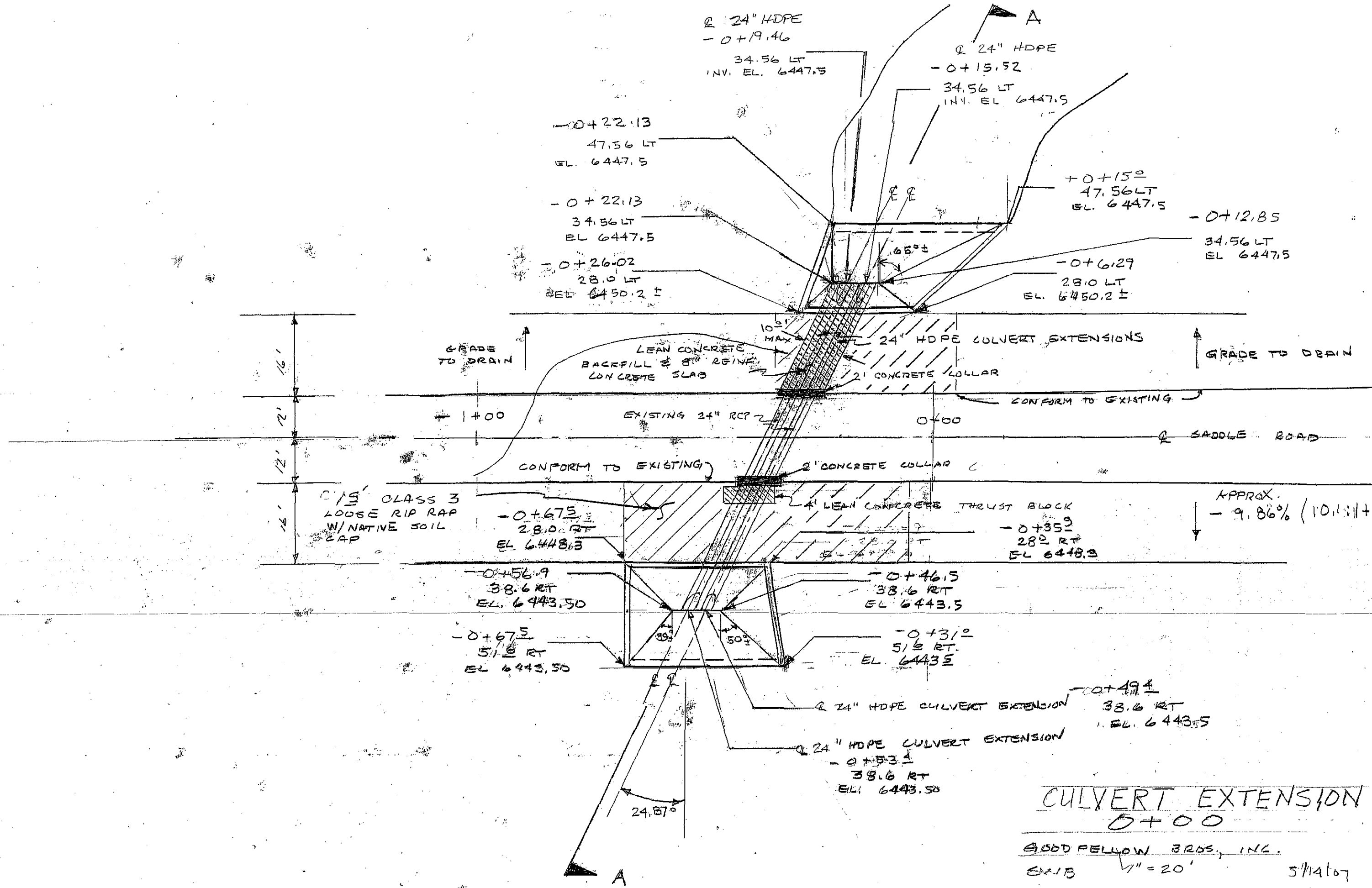
No. 2272 P. 1

969-9003

FHWA (808)

9:00 AM

May 24, 2007



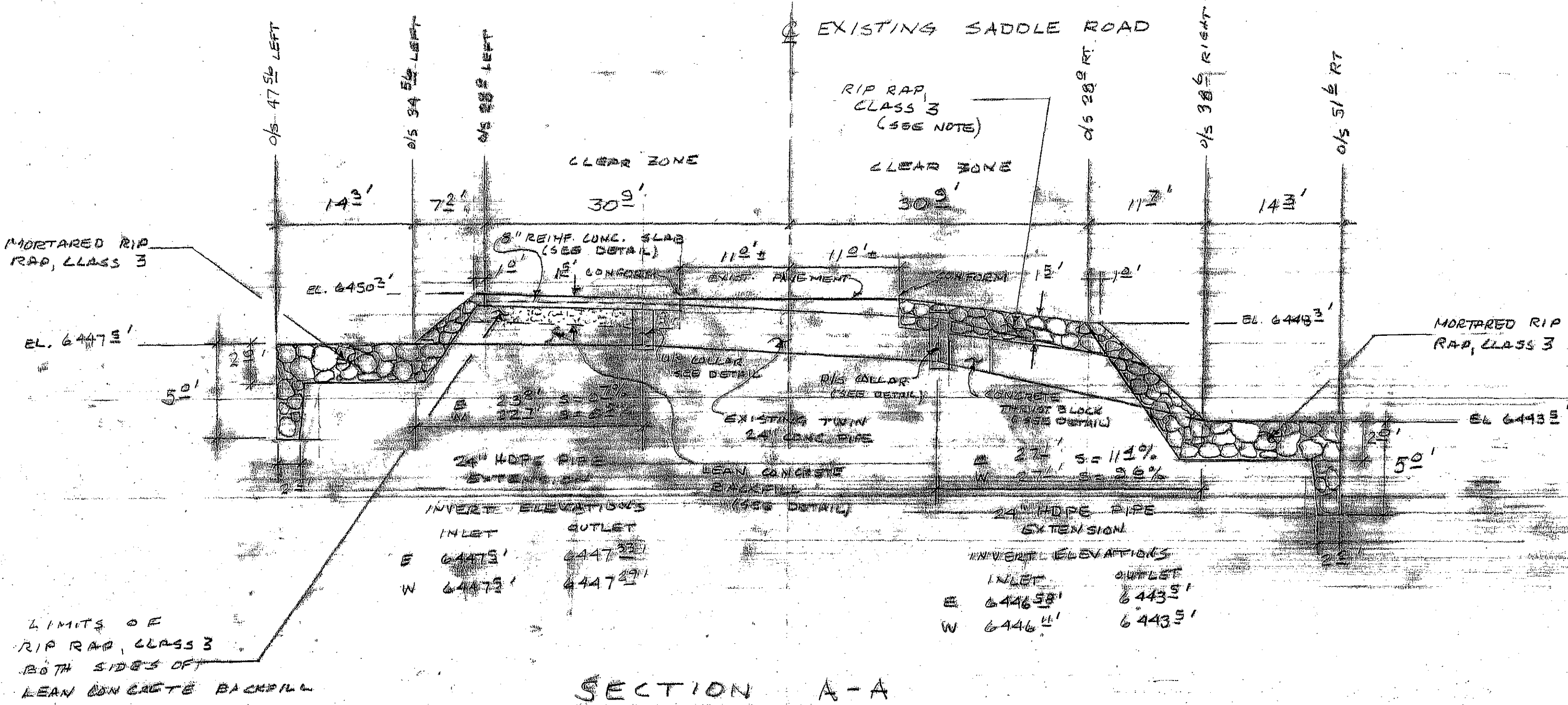
CULVERT EXTENSION 0+00

SADDLE FELLOW BROS., INC.

SMB 1" = 20'

5/14/07

REV 5/16/07



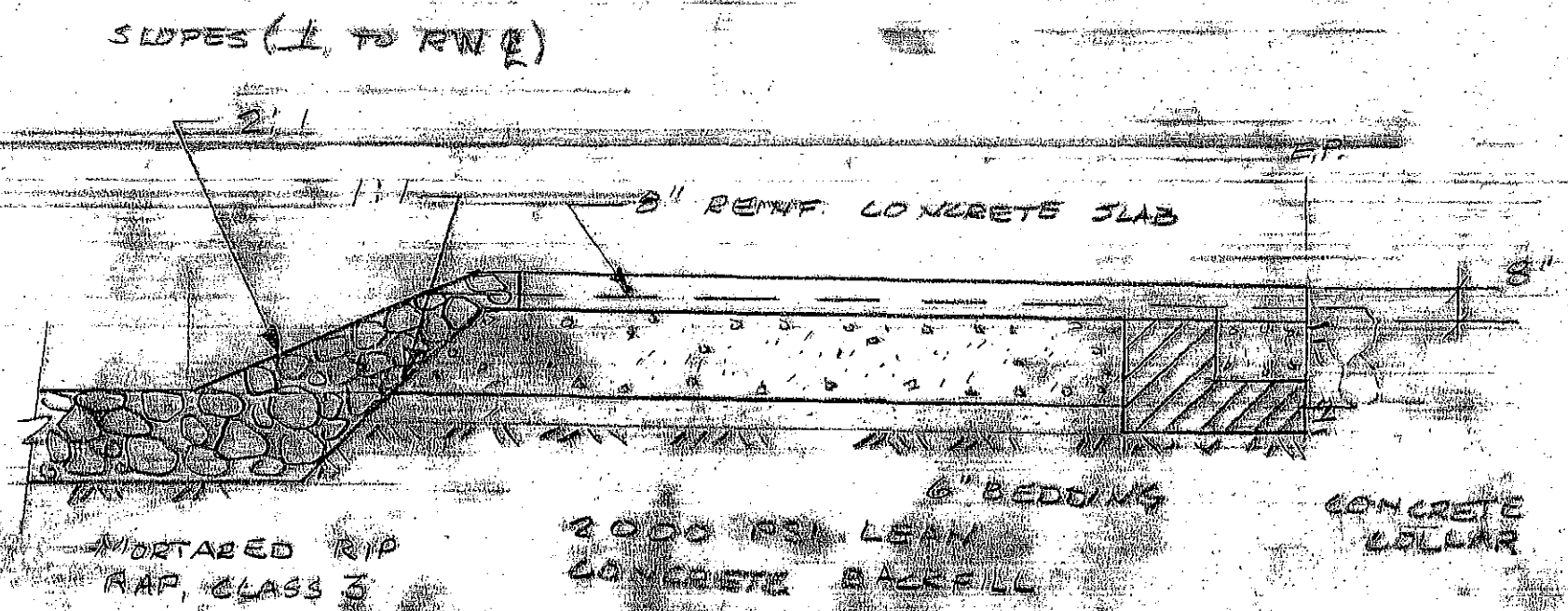
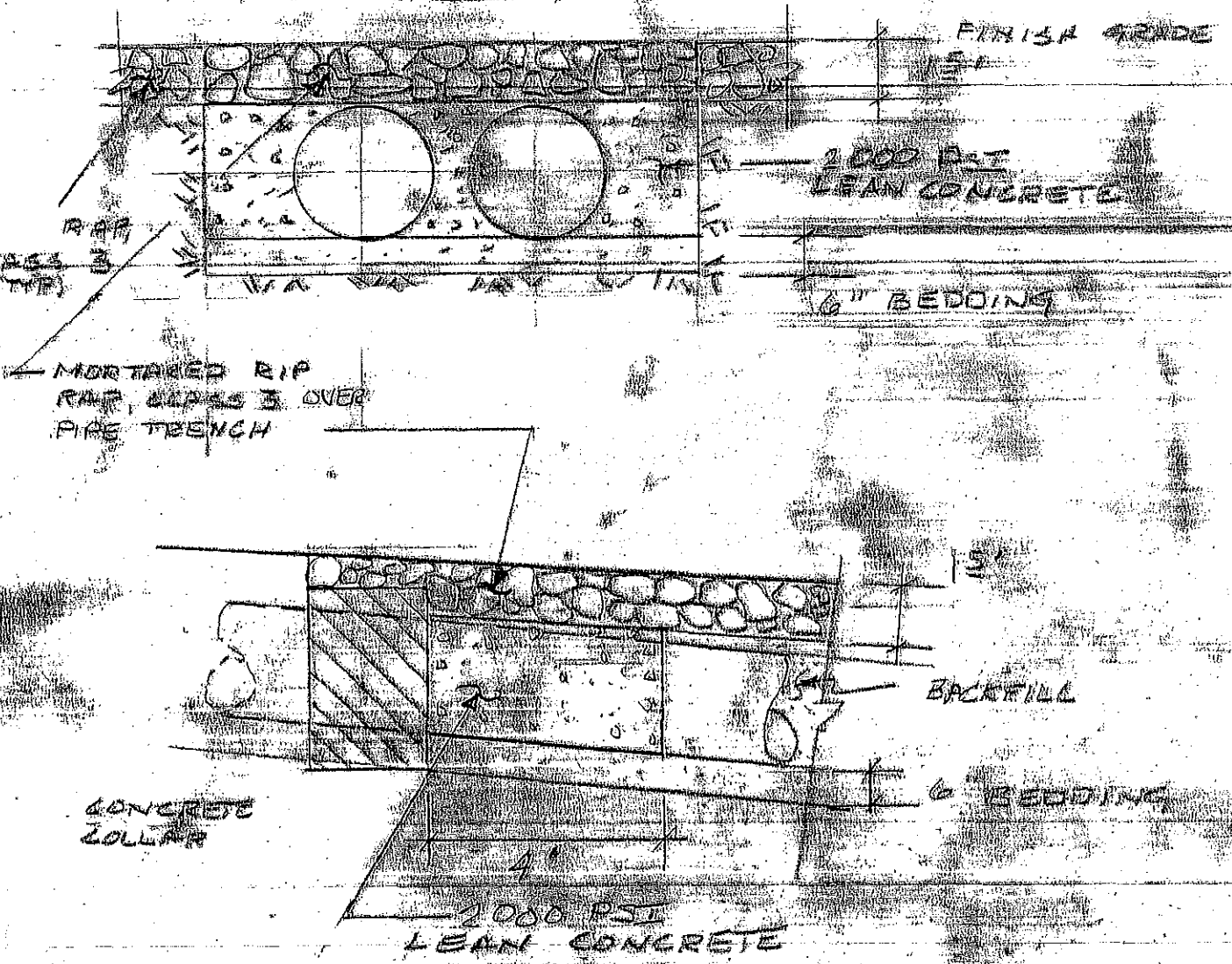
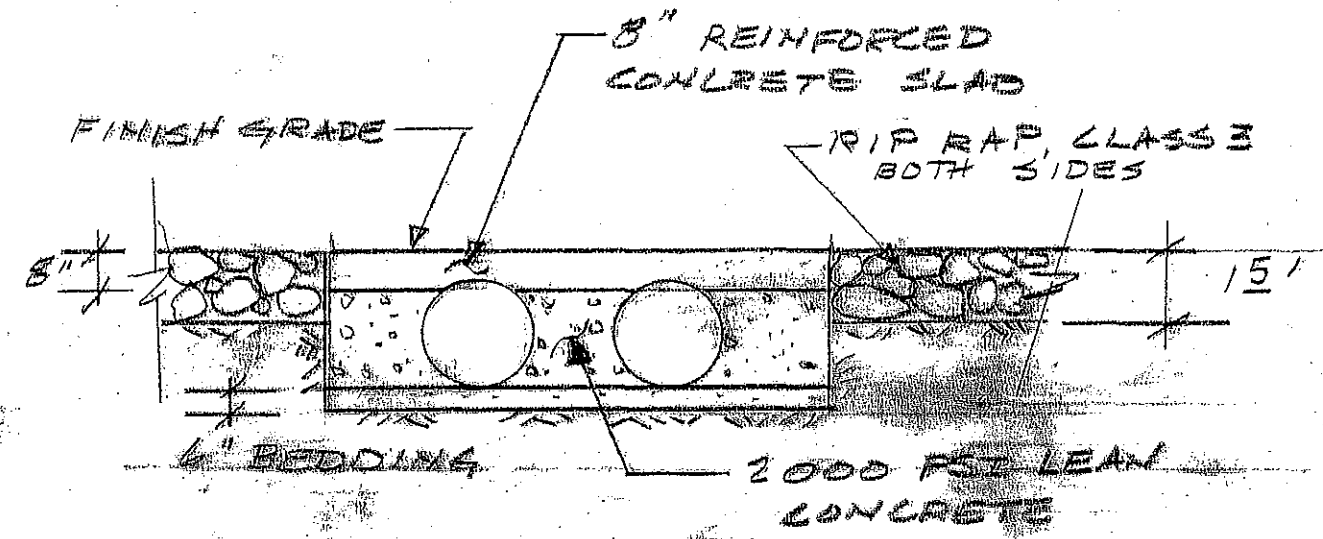
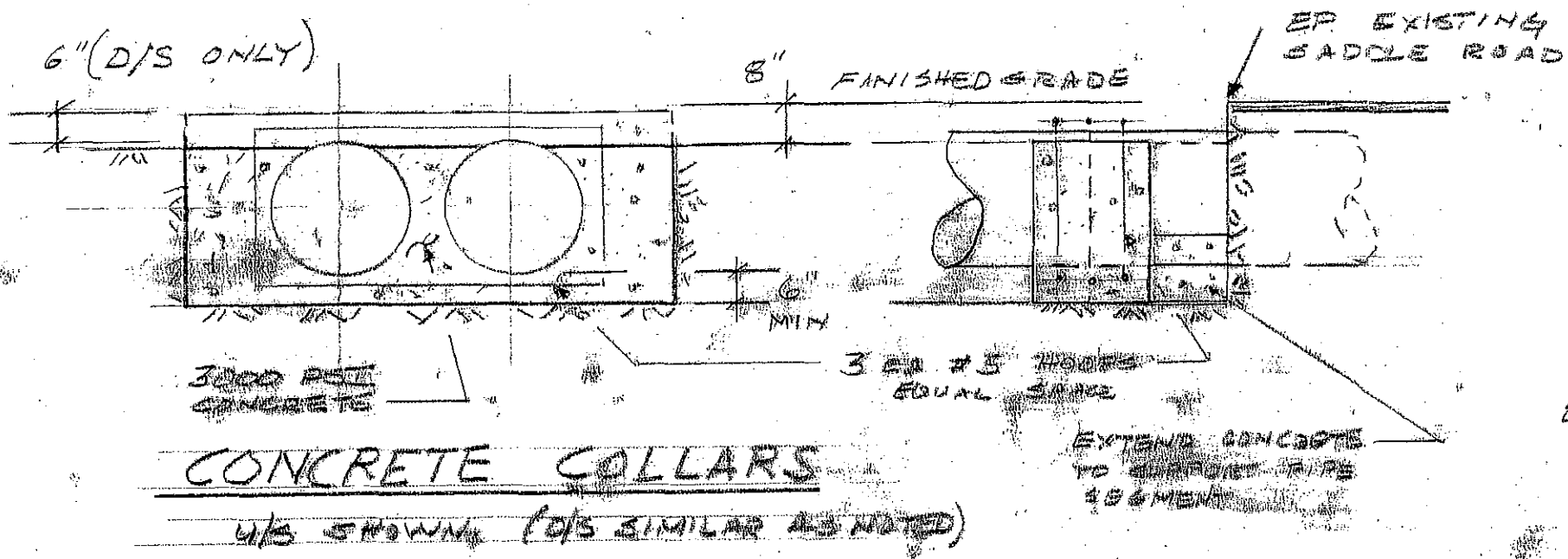
GOOD FELLOW BROS., INC.

SWB 5/16/07

1" = 10' HOR

1" = 5' VERT

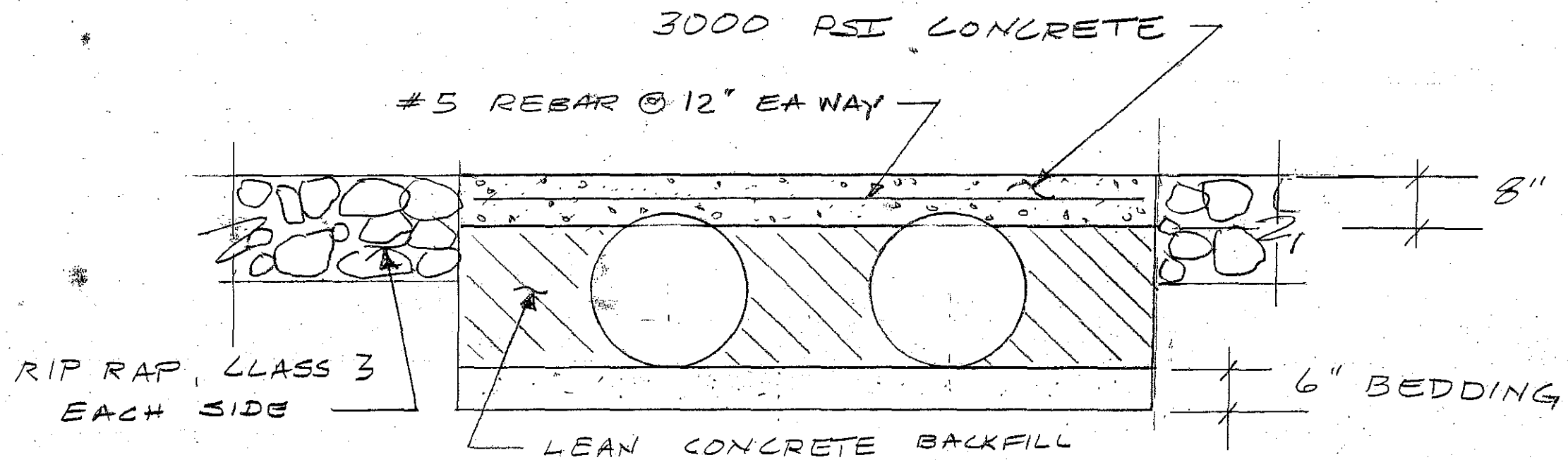
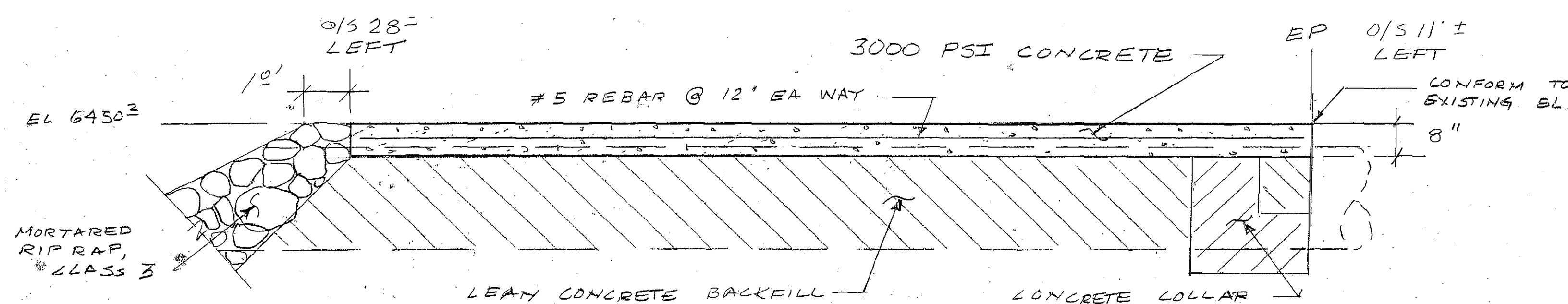
6" (D/S ONLY)



U/S LEAN CONCRETE BACKFILL

CULVERT EXTENSION 0+00 DETAILS 1 OF 2

D/S THRUST BLOCK



U/S REINF. CONCRETE SLAB

CULVERT EXTENSION 0+00

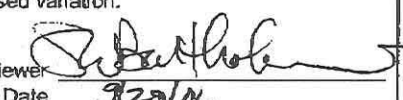
DETAILS 2 OF 2

GOODFELLOW BROS., INC.

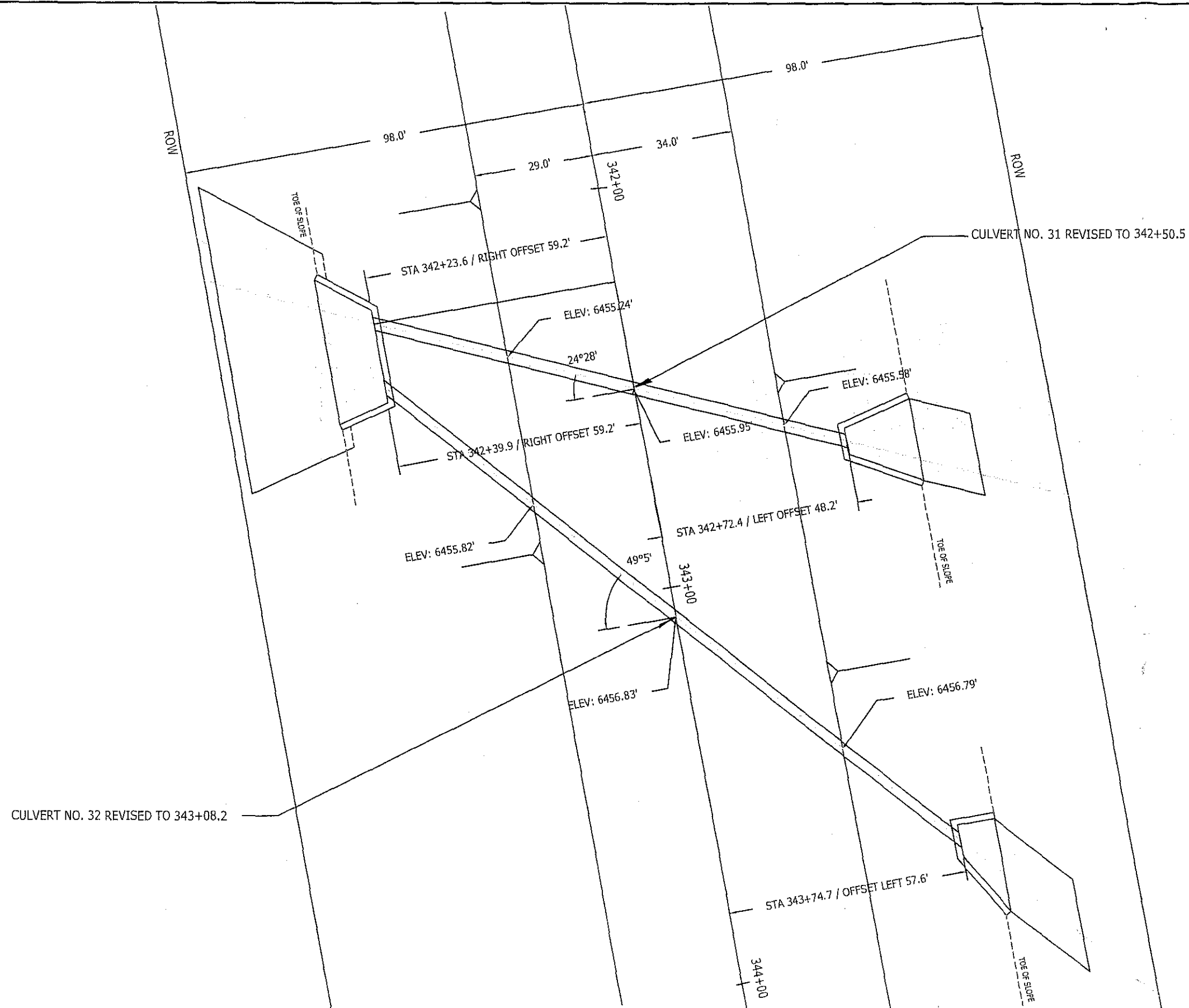
5/17/07

SWB

Rec'd 10/2/06

SUBMITTAL TRANSMITTAL					DATE: 9/29/06		TRANSMITTAL NO. 6467-071	
SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be submitted by the contractor)								
TO: Federal Highways Administration, CFLHD P.O. Box 4968 (714 Kanoelehua Ave., Suite 201) Hilo, HI 96720-0968			FROM: Goodfellow Bros., Inc. P.O. Box 383729 Waikoloa, HI 96738		CONTRACT NO. DTFH68-06-C-00010 HI A-AD/STP 6(3) & 200(1)		CHECK ONE ☒ THIS IS A NEW TRANSMITTAL ☐ THIS IS A RESUBMITTAL OF TRANSMITTAL	
SPECIFICATION SEC. NO. (Cover only this section with each transmittal) FP & SCR 152.03(g)			PROJECT TITLE AND LOCATION Saddle Road 3, Pohakuloa Training Area, Hawaii County, Hawaii			CHECK ONE: THIS TRANSMITTAL IS FOR ☐ FIO x GOV'T APPROVAL		
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, size, model number, etc.)	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (see instruction no. 6)	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		VARIATION (See instruction no. 6)	FHWA ACTION USE CODE	
				SPEC PARA. NO.	DRAWING SHEET NO.			
1	Culvert 31 & 32 Field Design Worksheet - Plan View		1	FP & SCR 152.03(g)		1	A	
2	Culvert 31 & 32 Field Design Worksheet - Section View		1	FP & SCR 152.03(g)			B	
③	Temp Culvert 8+21.51 Field Design Worksheet		1	FP & SCR 152.03(g)			E	
NOTE: TEMP CULVERT REMOVED BY PROJECT HI-A/AD 6 (5)								
REMARKS: ③ Inlet invert elevation is not correct. Need 2% minimum slope on pipe. Pipe ends need to be staggered.				I hereby certify that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated with Contract No. DTFH68-06-C-00010, is in compliance with the Contract drawings and specifications, can be installed in the allocated spaces, and is ☒ approved for use. ☐ approved for use subject to Government approval of proposed variation. Certified by the Submittal Reviewer  Date 9/29/06				
SECTION II - APPROVAL ACTION								
ENCLOSURES RETURNED (List by Item No.) Item 3			NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY				DATE	

Oct. 13. 2006 8:23AM FHWA (808) 969-9503 No. 0806 P. 1



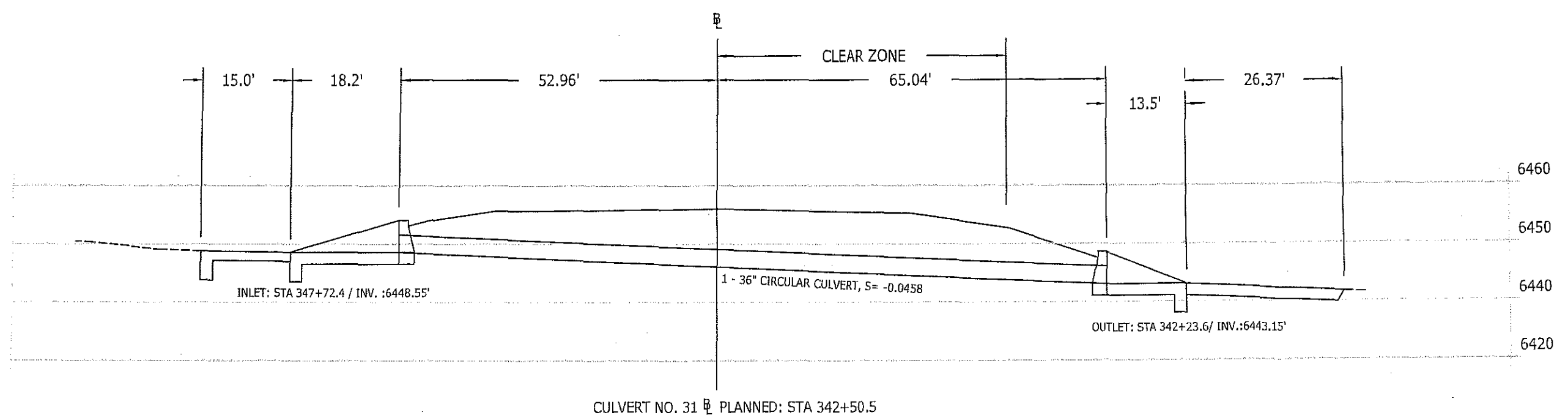
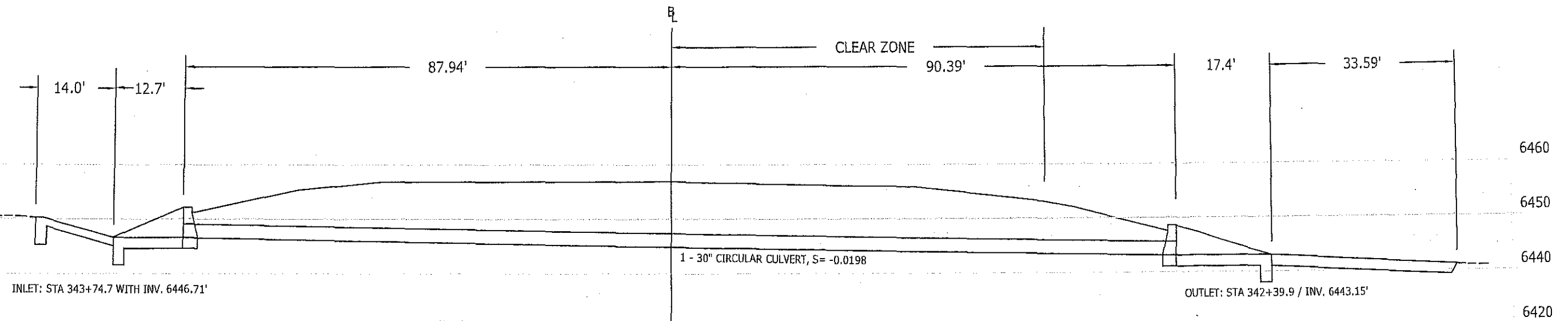
SCALE: 1" = 30'



GOODFELLOW BROS., INC.

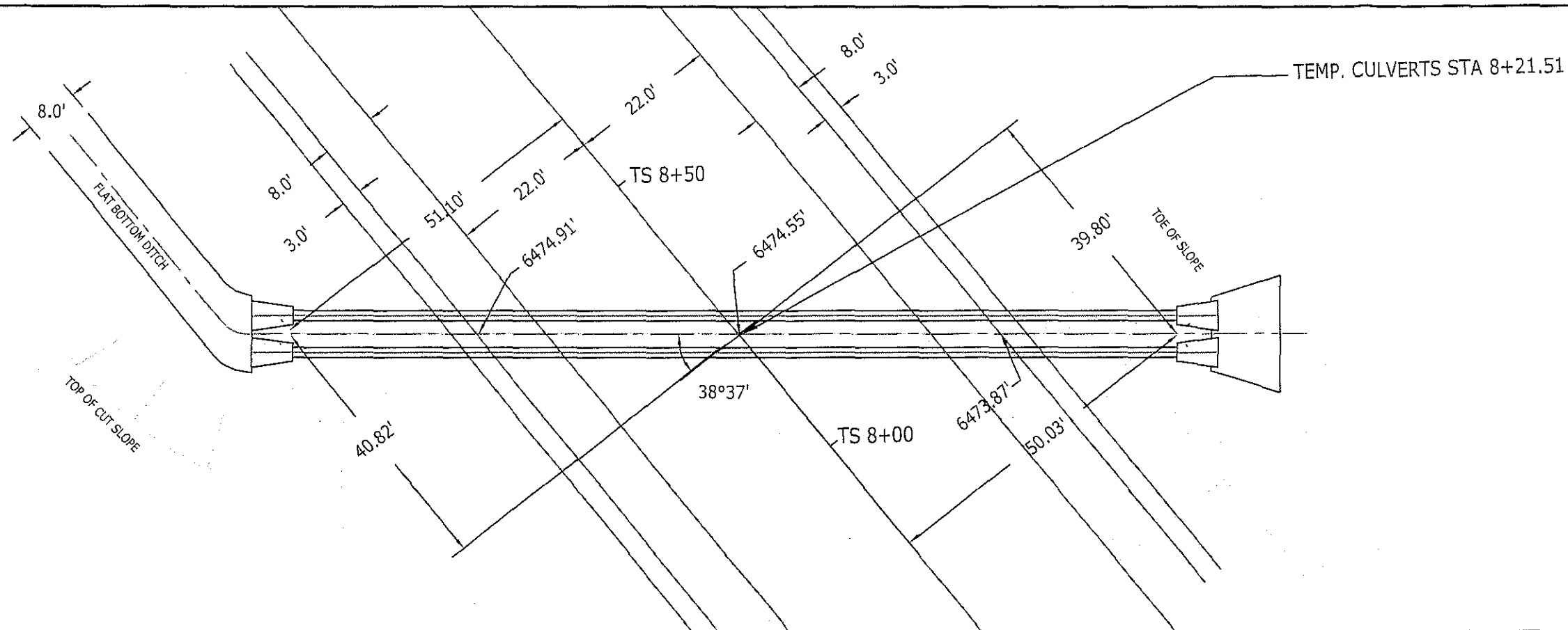
SADDLE ROAD HI A-AD/STP 6(3) AND 200(1)
CULVERT FIELD DESIGN WORKSHEET

SHEET
1 OF 4

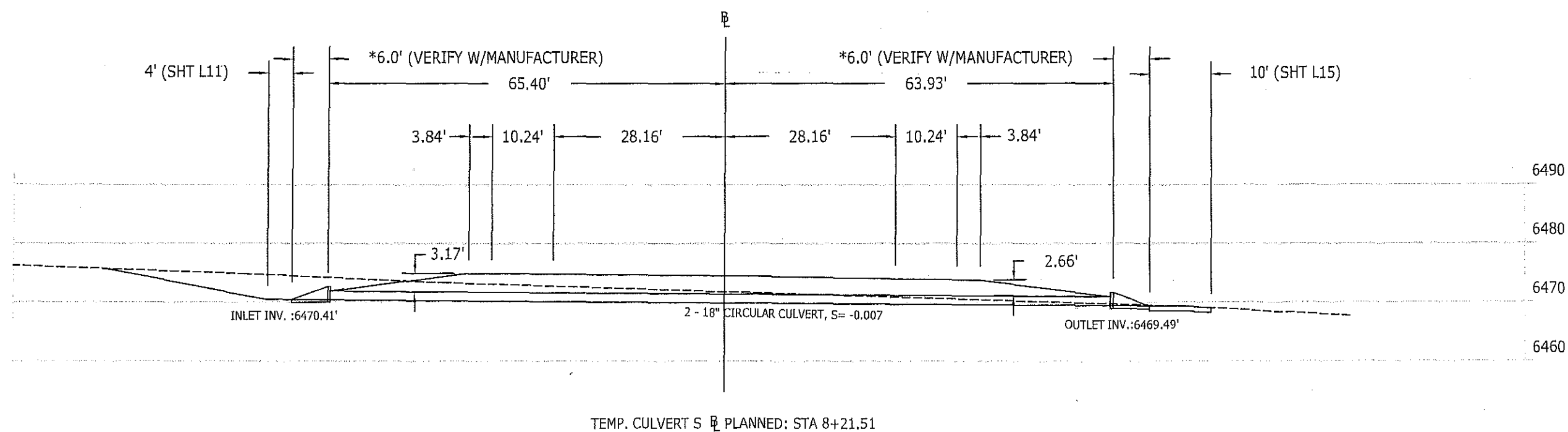


SCALE: 1" = 20' (H&V)





SCALE: 1" = 20'



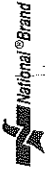
SCALE: 1" = 20'



GOODFELLOW BROS., INC.

SADDLE ROAD HI A-AD/STP 6(3) AND 200(1)
CULVERT FIELD DESIGN WORKSHEET

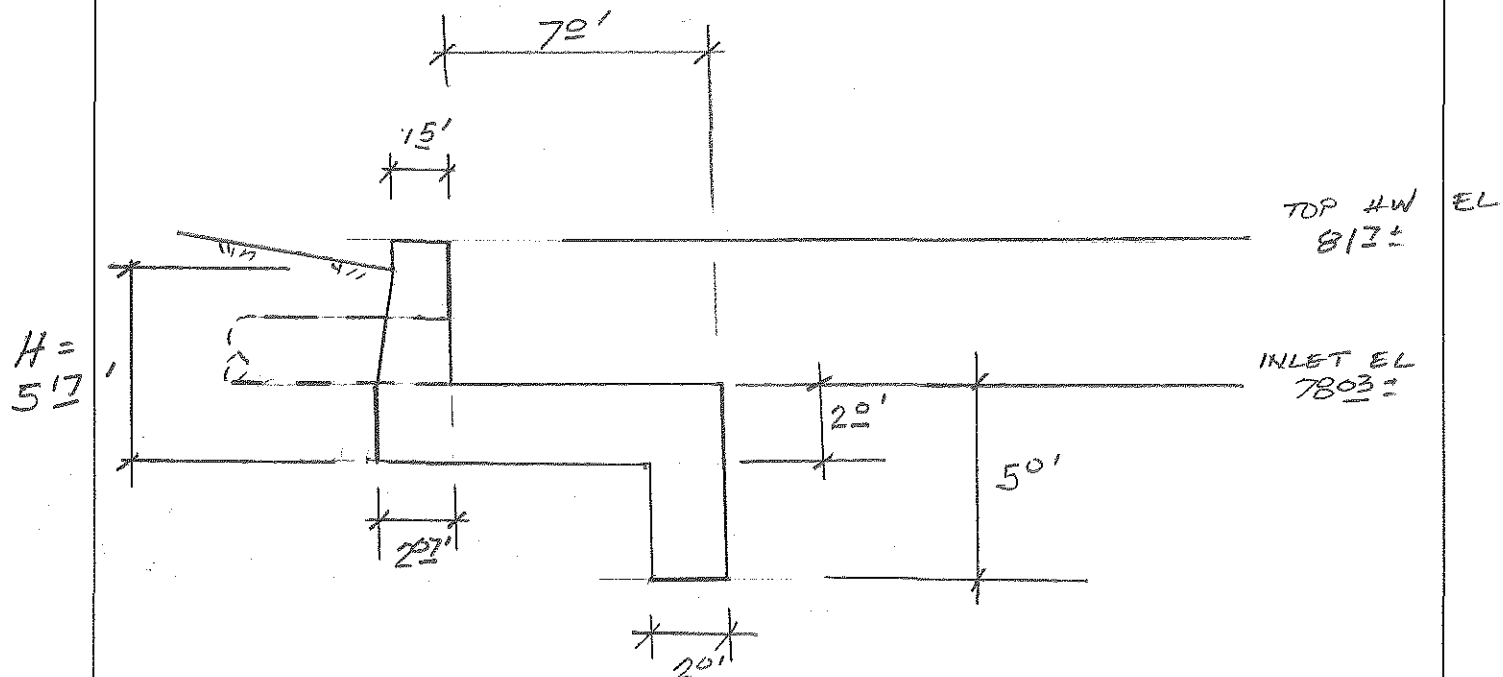
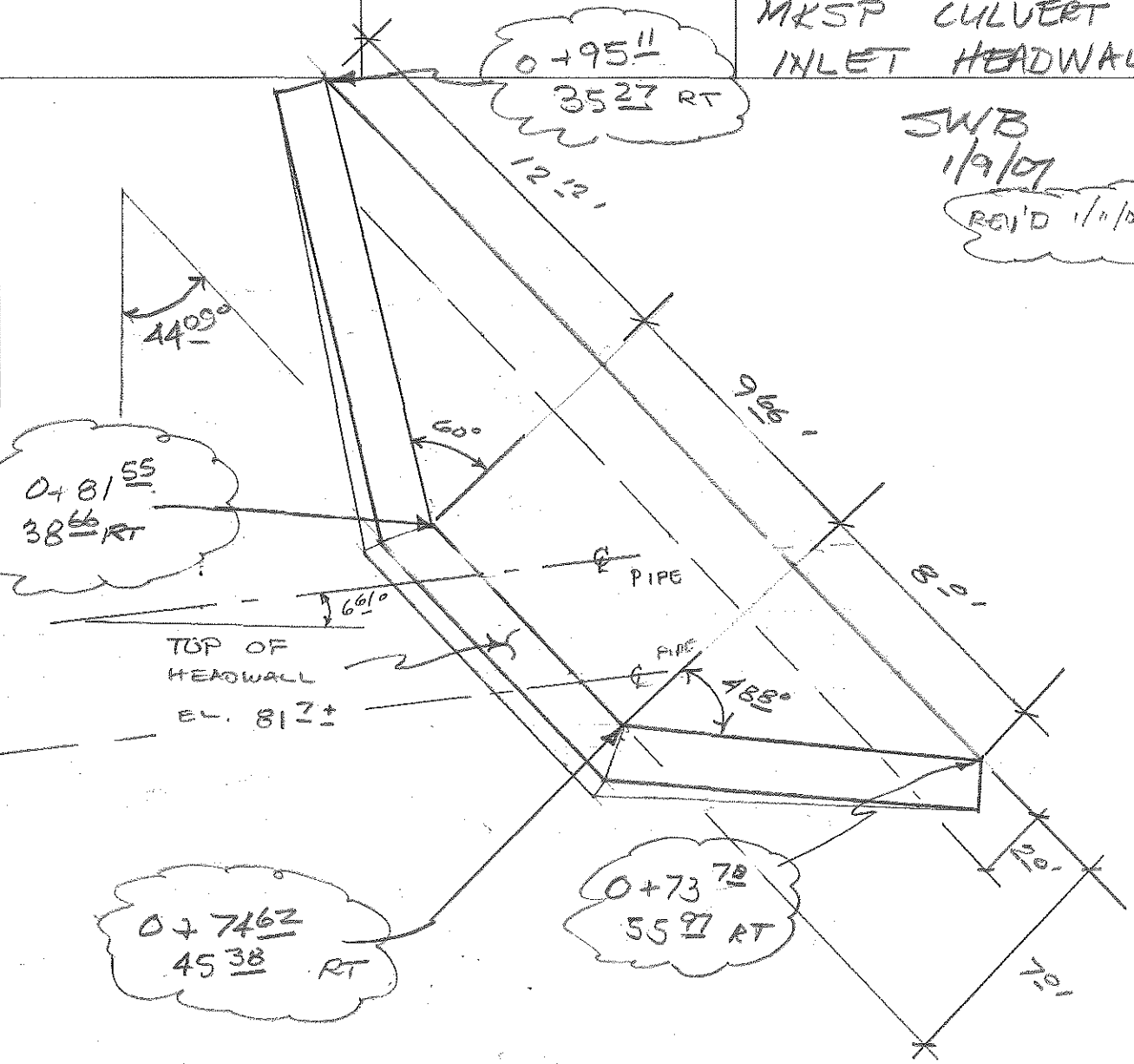
SHEET
3 OF 4

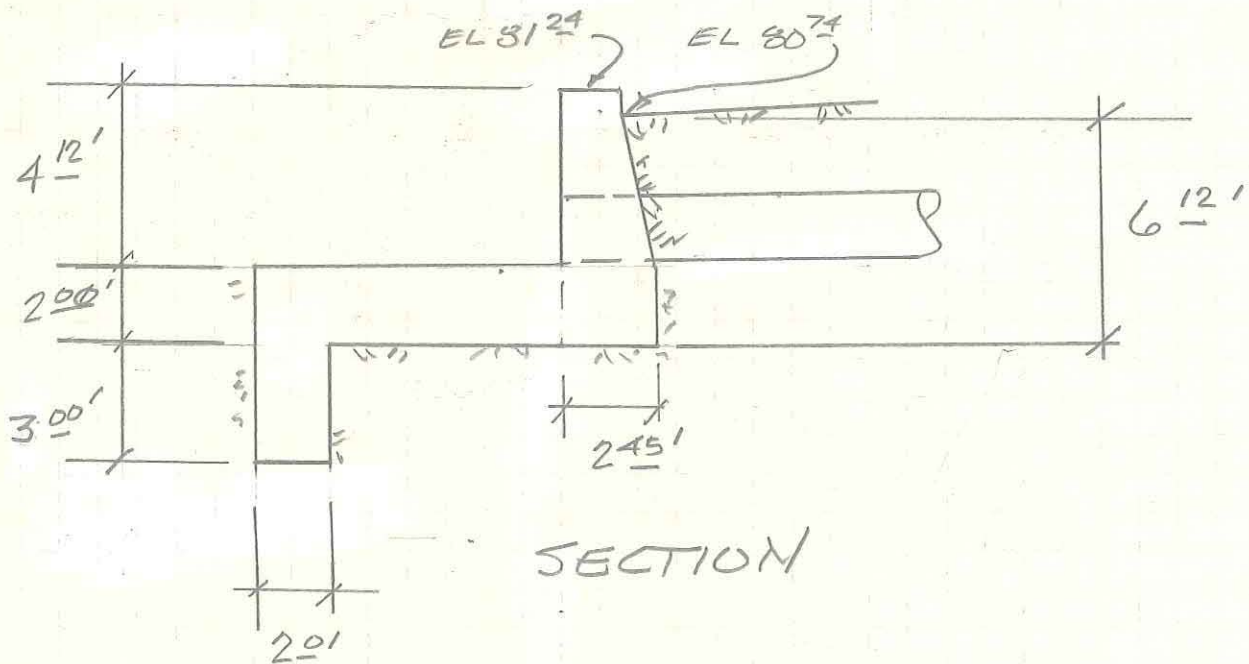
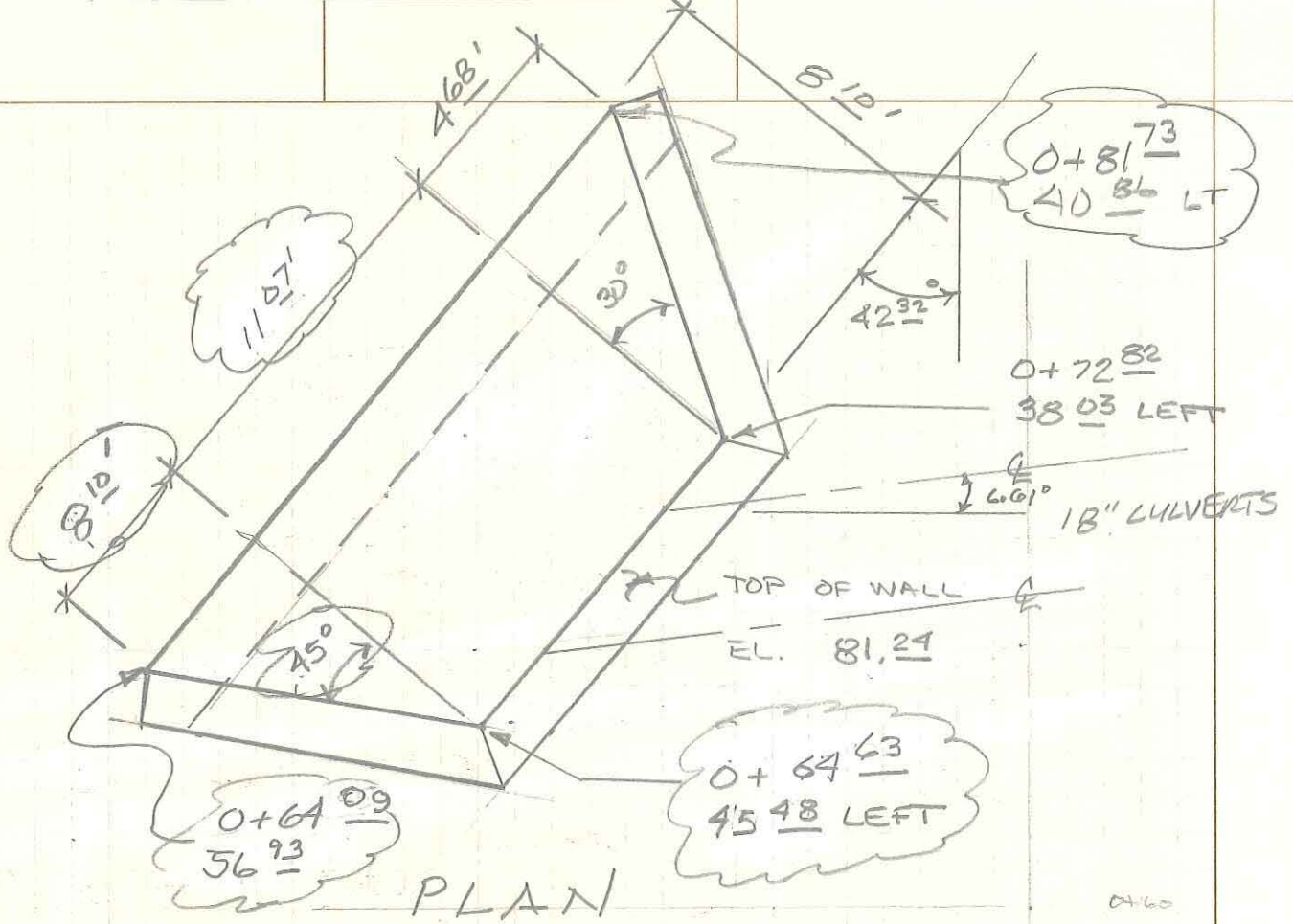


MXSP CULVERT INLET HEADWALL

SWB
1/9/07

REV'D 1/11/07

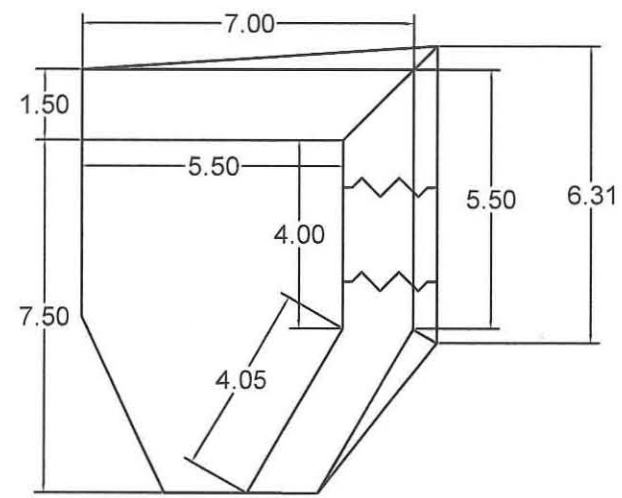




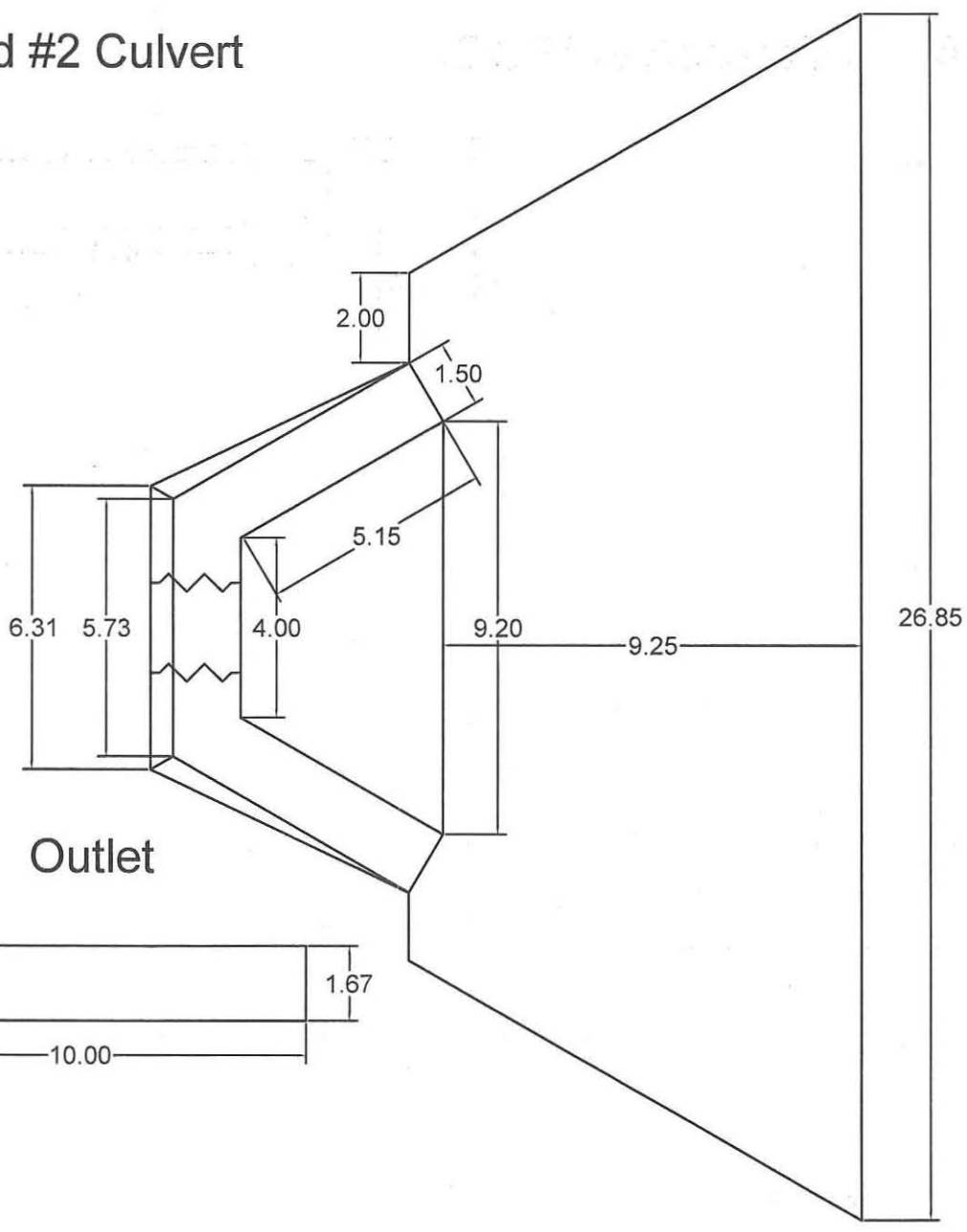
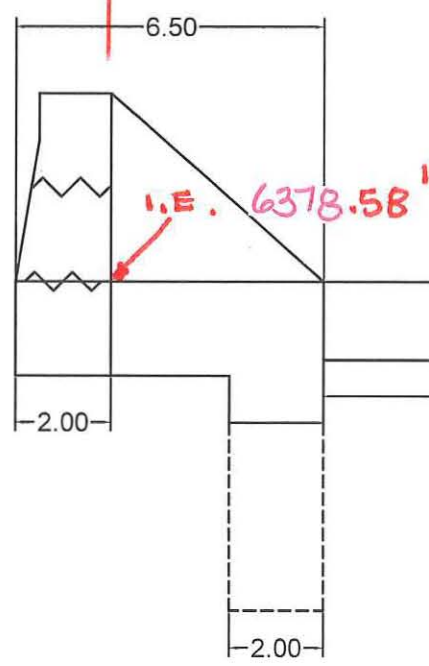
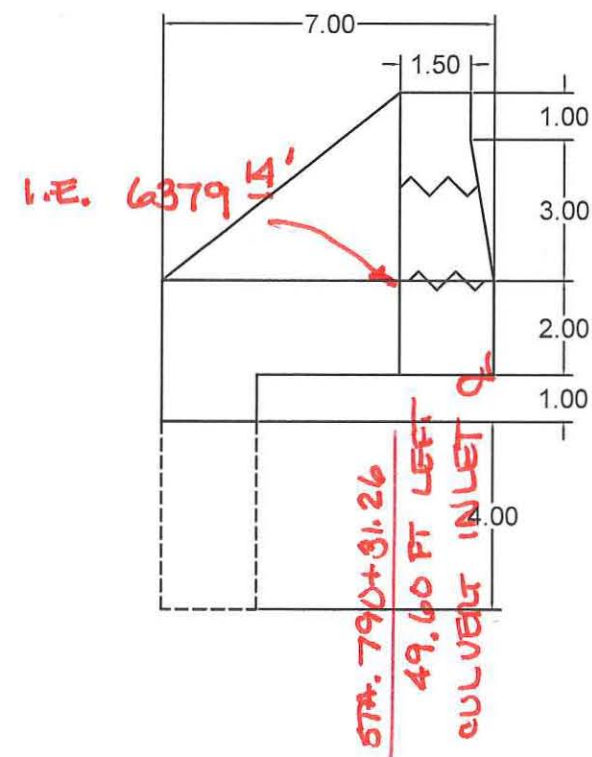
MKSP CULVERT
 OUTLET
 HEADWALL

REV 1/11/07 SUB 1/10/07

DOFAW Access Road #2 Culvert



Inlet



Outlet

Rec'd 12/17/07

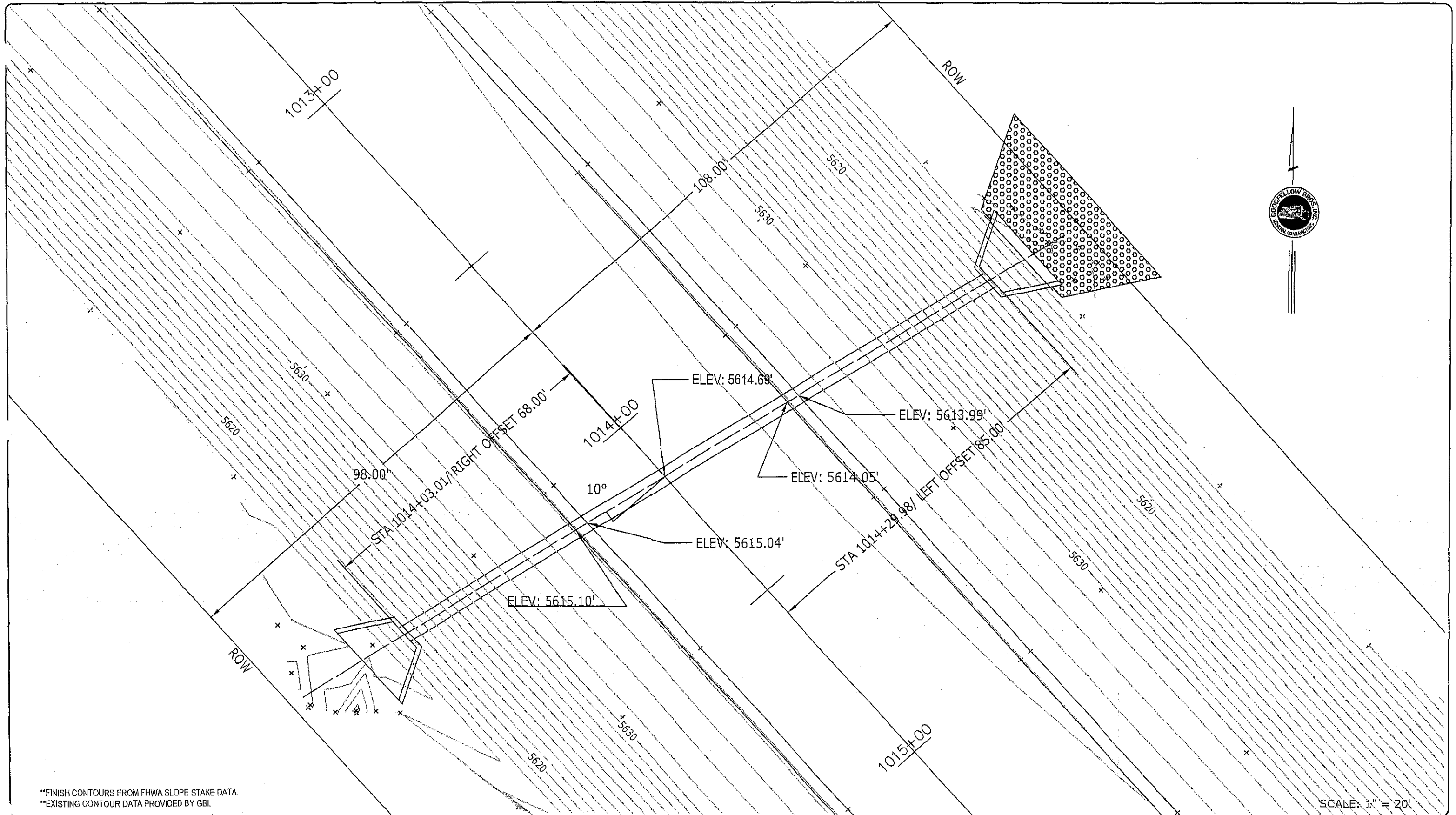
SUBMITTAL TRANSMITTAL				DATE: 12/13/07		TRANSMITTAL NO. 6467-549	
SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be submitted by the contractor)							
TO: Federal Highways Administration, CFLHD P.O. Box 4968 (714 Kanoolehua Ave., Suite 201) Hilo, HI 96720-0968			FROM: Goodfellow Bros., Inc. P.O. Box 383729 Waikoloa, HI 96738		CONTRACT NO. DTFH68-06-C-00010 HI A-AD/STP 6(3) & 200(1)		CHECK ONE ☒ THIS IS A NEW TRANSMITTAL ☐ THIS IS A RESUBMITTAL OF TRANSMITTAL
SPECIFICATION SEC. NO. (Cover only one section with each transmittal) FP & SCR 152.03(g)			PROJECT TITLE AND LOCATION Saddle Road 3, Pohakuloa Training Area, Hawaii County, Hawaii			CHECK ONE: THIS TRANSMITTAL IS FOR ☐ FIO ☒ GOV'T APPROVAL	
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, size, model number, etc.)	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (see instruction no. 8)	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		VARIATION (See instruction no. 6)	FHWA ACTION USE CODE
				SPEC PARA. NO.	DRAWING SHEET NO.		
a	b	c	d	e	f	g	h
1	Culvert 58 Field Design Worksheet		1	FP & SCR 152.03(g)		1	A
REMARKS:				I hereby certify that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated with Contract No. DTFH68-06-C-00010, is in compliance with the Contract drawings and specifications, can be installed in the allocated spaces, and is ☒ approved for use, ☐ approved for use subject to Government approval of proposed variation. Certified by the Submittal Reviewer <u>W. Allen Reaves</u> Date <u>12/13/07</u>			
SECTION II - APPROVAL ACTION							
ENCLOSURES RETURNED (List by Item No.)			NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY W. Allen Reaves, Asst. Proj. Eng. W. Allen Reaves			DATE 12/21/07	

SHEET ____ OF ____

Dec. 21, 2007 11:55AM

FHWA (808) 969-9503

No. 3091 P. 1/1



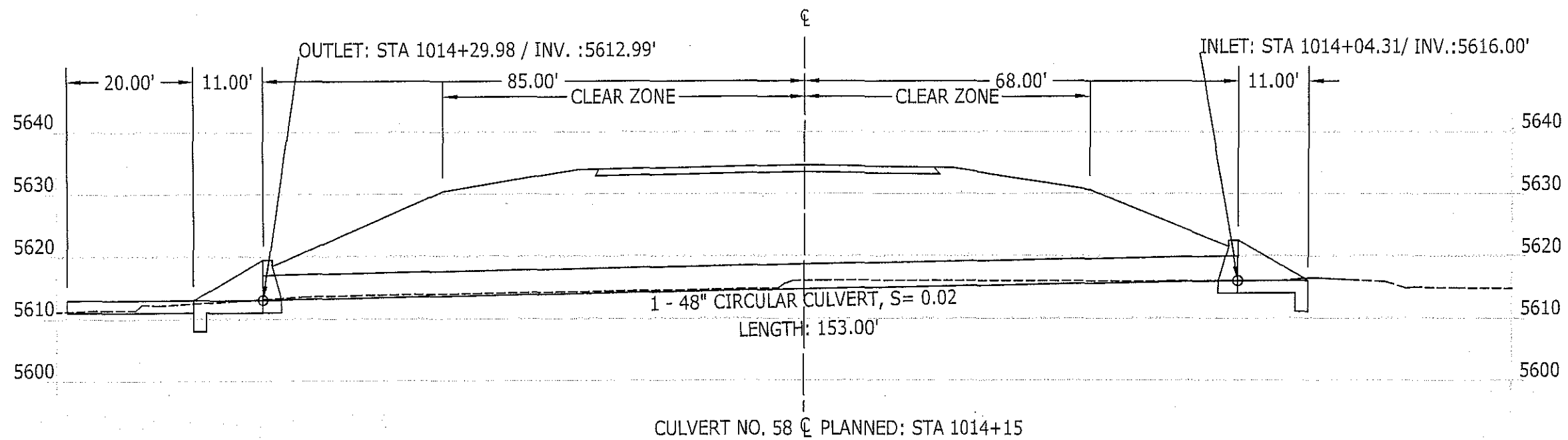
**FINISH CONTOURS FROM FHWA SLOPE STAKE DATA.
 **EXISTING CONTOUR DATA PROVIDED BY GBI.



GOODFELLOW BROS., INC.

SADDLE ROAD HI A-AD/STP 6(3) AND 200(1)
 CULVERT FIELD DESIGN WORKSHEET - CULVERT 58

SHEET
 1 OF 2



SCALE: 1" = 20' (H&V)



GOODFELLOW BROS., INC.

SADDLE ROAD HI A-AD/STP 6(3) AND 200(1)
CULVERT FIELD DESIGN WORKSHEET - CULVERT 58

SHEET
2 OF 2

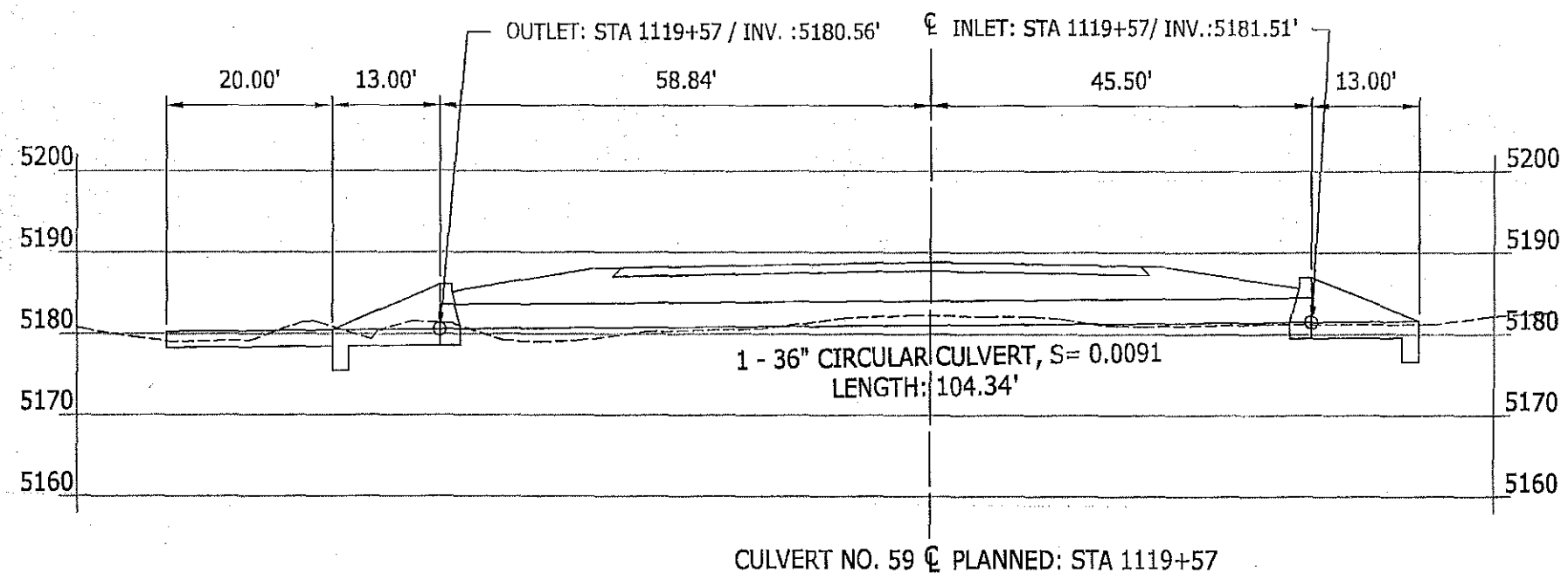
SUBMITTAL TRANSMITTAL					DATE: 2/21/08		TRANSMITTAL NO. 6467-626R2	
SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be submitted by the contractor)								
TO: Federal Highways Administration, CFLHD P.O. Box 4966 (714 Kanoelehua Ave., Suite 201) Hilo, HI 96720-0966			FROM: Goodfellow Bros., Inc. P.O. Box 383729 Waikoloa, HI 96738		CONTRACT NO. DTFH68-06-C-00010 HI A-AD/STP 6(3) & 200(1)		CHECK ONE ☒ THIS IS A NEW TRANSMITTAL ☐ THIS IS A RESUBMITTAL OF TRANSMITTAL	
SPECIFICATION SEC. NO. (Cover only one section with each transmittal) FP & SCR 152.03(g)			PROJECT TITLE AND LOCATION Saddle Road 3, Pohakuloa Training Area, Hawaii County, Hawaii				CHECK ONE: THIS TRANSMITTAL IS FOR ☐ FHWA ☒ GOVT APPROVAL	
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, size, model number, etc.)	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (see instruction no. 6)	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		VARIATION (see instruction no. 6)	FHWA ACTION USE CODE	
				SPEC PARA. NO.	DRAWING SHEET NO.			
1	Revised Culvert 59 Field Design Worksheet		1	FP & SCR 152.03(g)		1	A	
REMARKS:				I hereby certify that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated with Contract No. DTFH68-06-C-00010, is in compliance with the Contract drawings and specifications, can be installed in the allocated spaces, and is ☒ approved for use, ☐ approved for use subject to Government approval of proposed variation. Certified by the Submittal Reviewer <u>M. L. L.</u> Date <u>2/21/08</u>				
SECTION II - APPROVAL ACTION								
ENCLOSURES RETURNED (List by Item No.)			NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY W. Allen Reaves, Asst. Proj. Eng. W. Allen Reaves			DATE 2/22/08		

SHEET ____ OF ____

RECEIVED

FEB 21 2008

BY: WAR



** CLEAR ZONE REQUIREMENTS
SLOPE = 4:1 ~ 30'
SLOPE = 6:1 ~ 40'

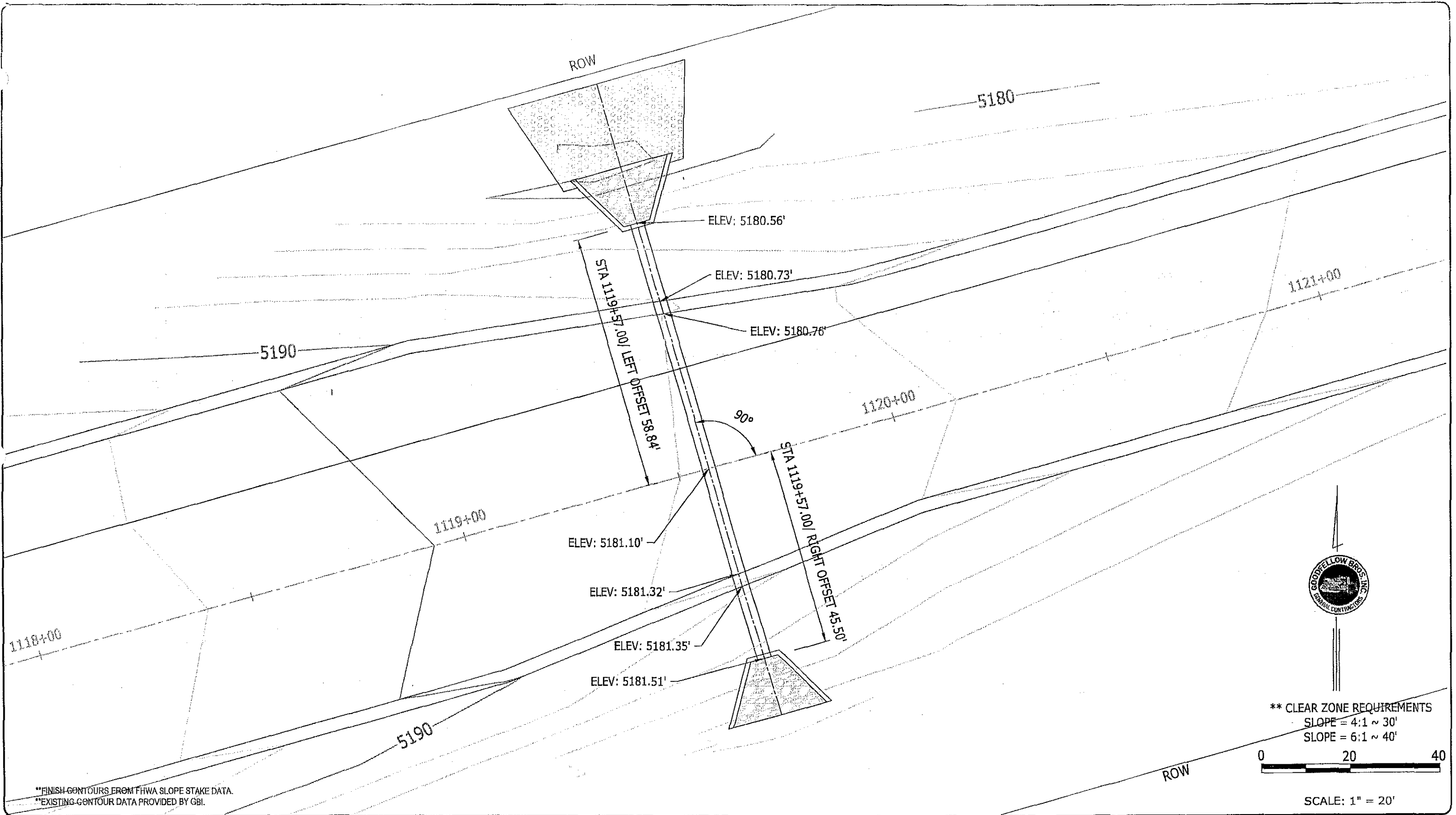
0 20 40
SCALE IN FEET
SCALE: 1" = 20' (H&V)



GOODFELLOW BROS., INC.

SADDLE ROAD HI A-AD/STP 6(3) AND 200(1)
CULVERT FIELD DESIGN WORKSHEET - CULVERT 59

SHEET
2 OF 2



GOODFELLOW BROS., INC.

SADDLE ROAD HI A-AD/STP 6(3) AND 200(1)
CULVERT FIELD DESIGN WORKSHEET - CULVERT 59

SHEET
1 OF 2