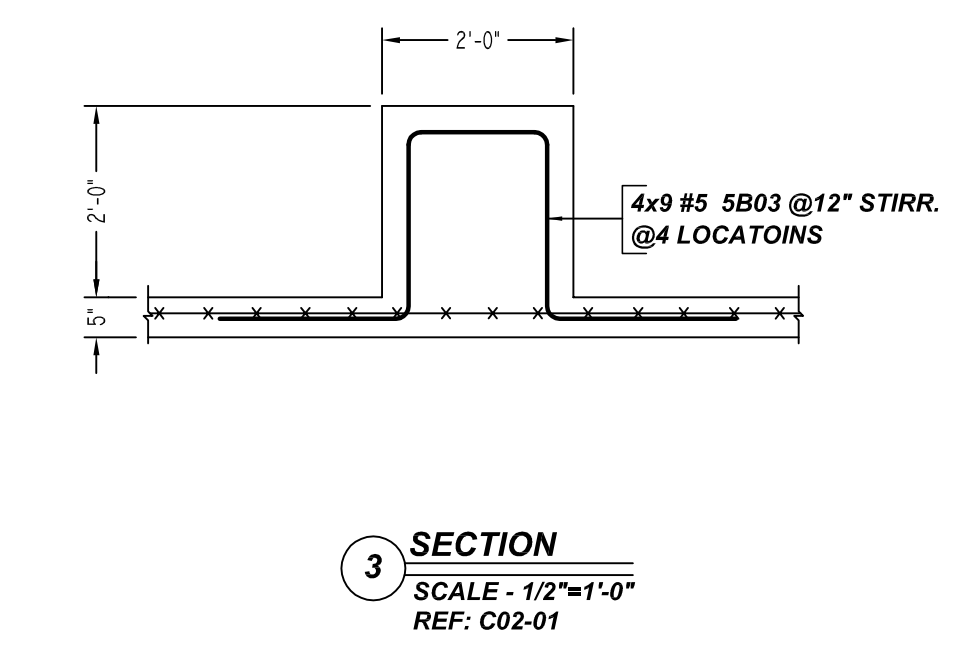
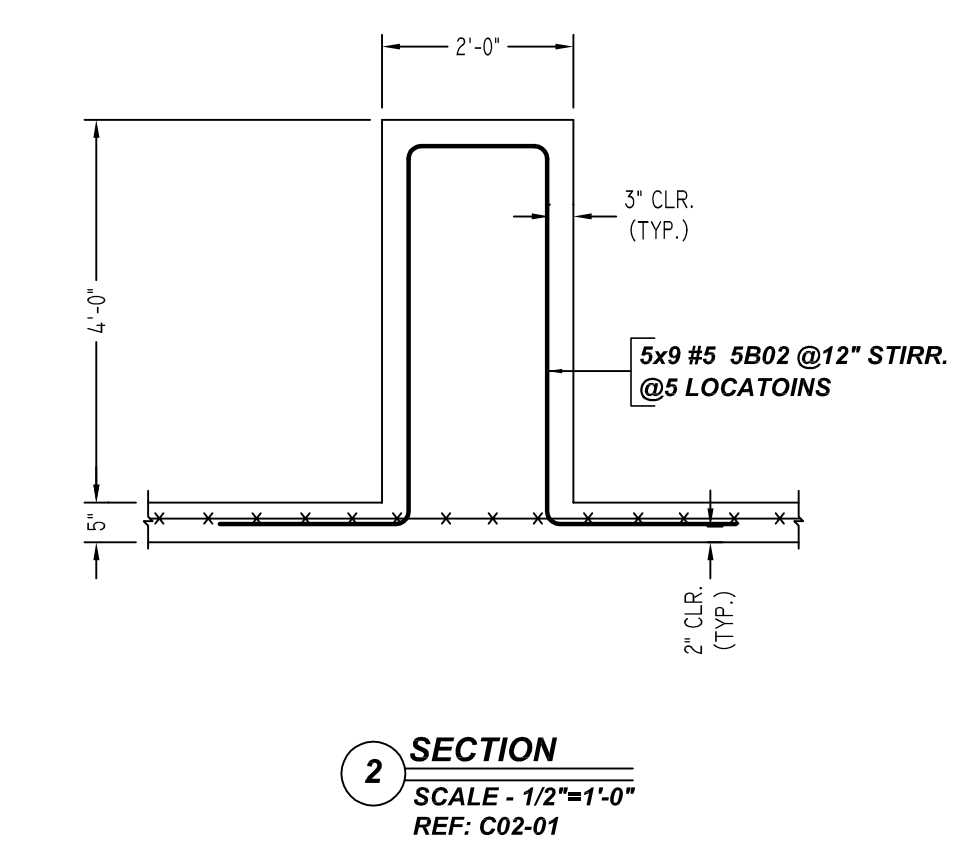
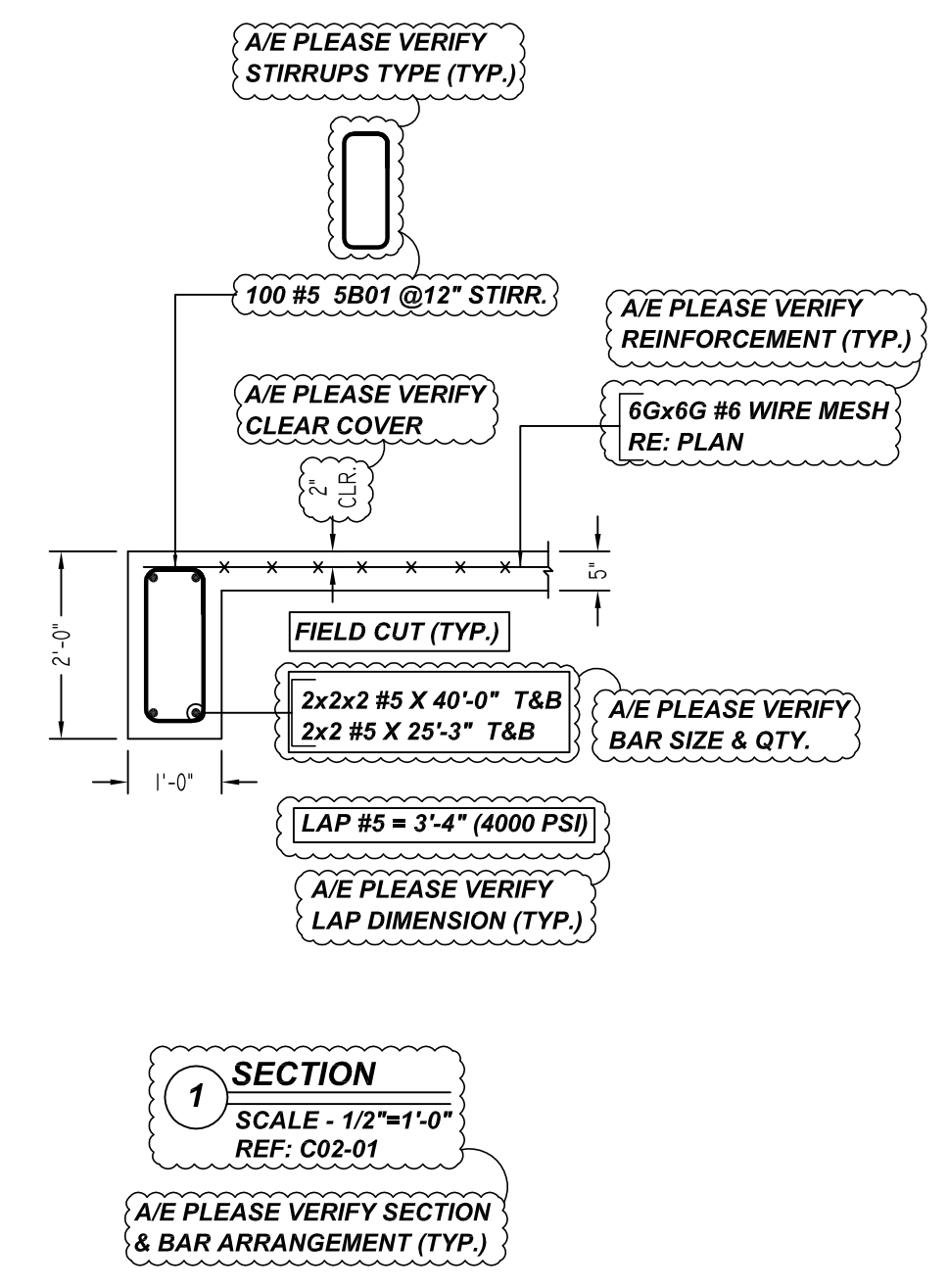
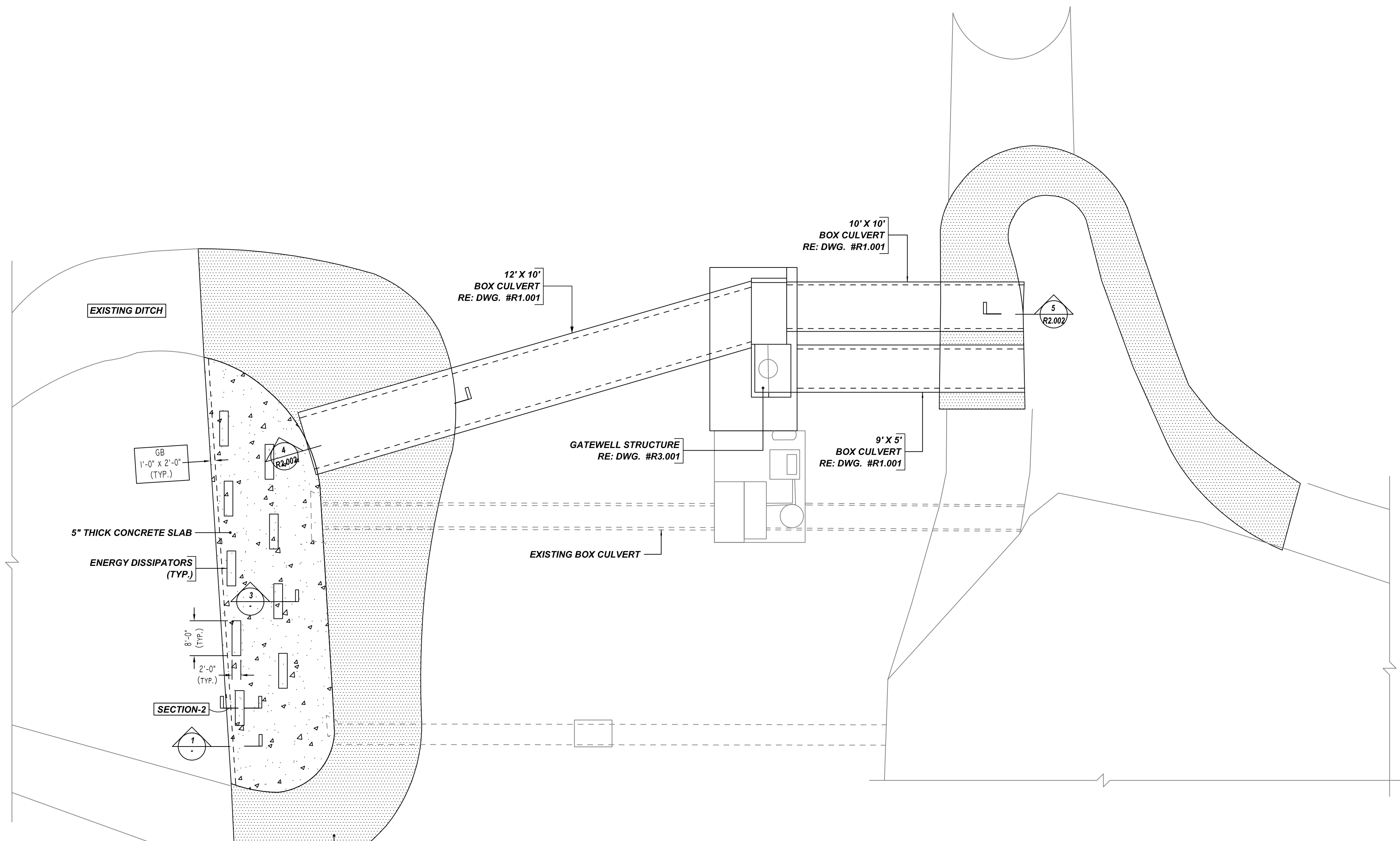
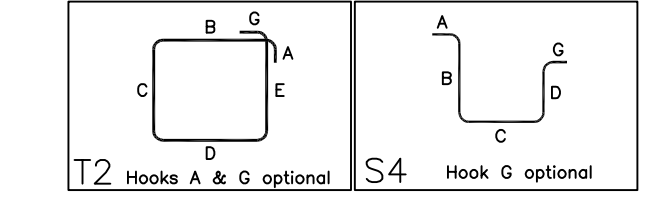


Release Number: R2.001		REINFORCING DETAILS															
Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	T'	U'	V'	W'	X'	Y'	Z'	X'	Y'	
5B01	100	#5	5'-8"	T2	0'-6"	0'-8"	1'-8"	0'-8"	1'-8"	1'-8"	0'-6"						
5B02	45	#5	15'-6"	S4	2'-0"	4'-0"	1'-6"	4'-0"			2'-0"						
5B03	36	#5	9'-6"	S4	2'-0"	2'-0"	1'-6"	2'-0"			2'-0"						



S. NO	ELEMENT	BAR REINFORCEMENT	AREA	REMARK
1	5" THK. RIP RAP	335 #5 X 40'-0" @ 12" EW	5770 SQ.FT	LAP #5=2'-1"

A/E PLEASE VERIFY FIELD CUT AND ADJUST

S. NO	ELEMENT	MESH SIZE	SHEETS	AREA	REMARK
1	5" THK. SLAB	6Gx6G #6 WIRE MESH	20	2490 SQ.FT	8'-0" X 20'-0" SHEET SIZE (15% LAP ADDED) A/E PLEASE VERIFY SHEET SIZE

SITE STRUCTURE REINFORCEMENT DETAILS
SCALE - 1/16"=1'-0"
REF: C01-01

A/E PLEASE VERIFY LAP VALUE

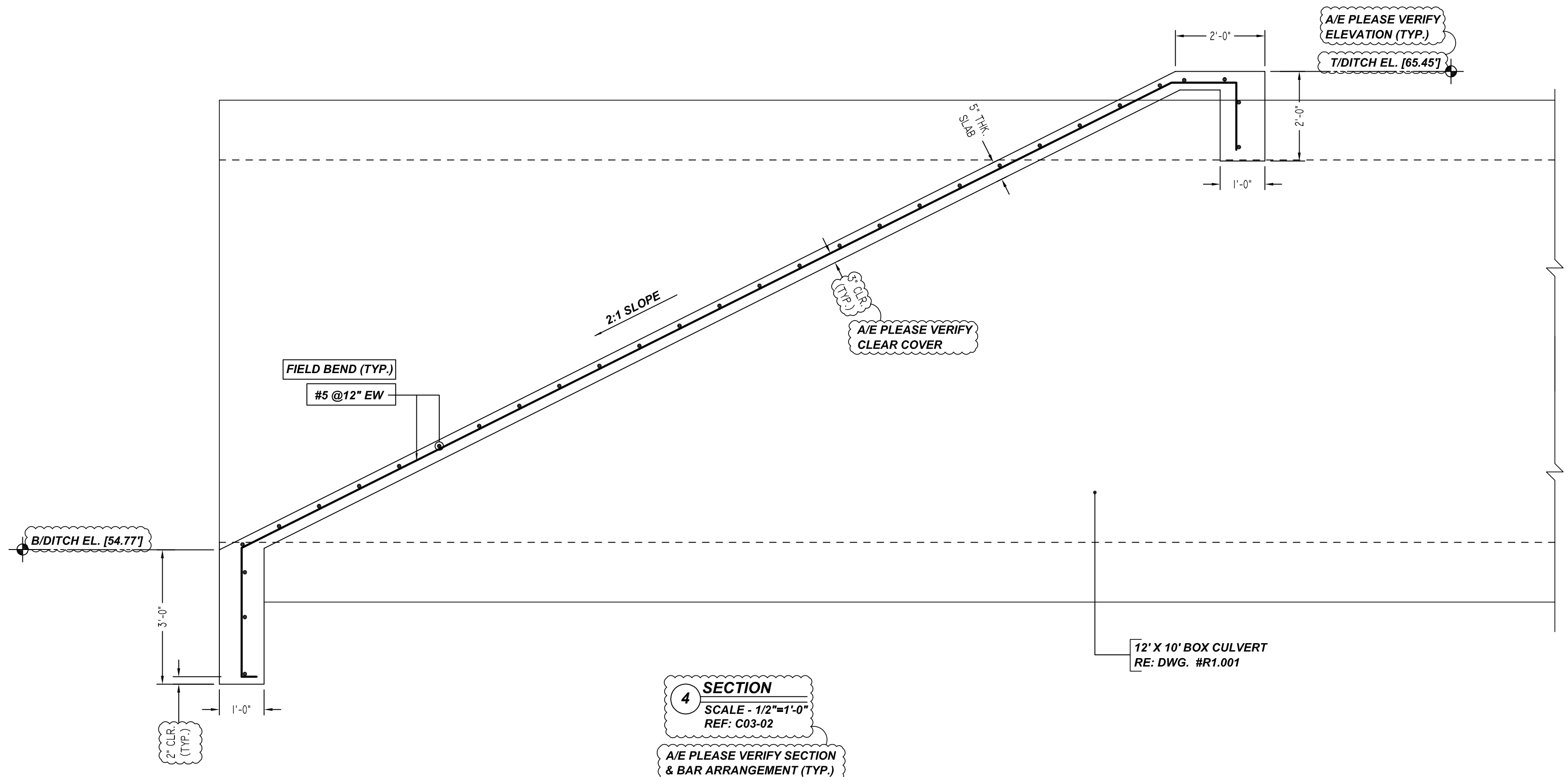
SIZE	40 Ø LAP
#3	15"
#4	20"
#5	25"
#6	30"
#7	35"
#8	40"
#9	45"
#10	50"
#11	55"

A/E PLEASE VERIFY COVER VALUE

LOCATION	MIN. COVER
5" THK. SLAB TOP	2" CLR
BEAM	2" CLR
5" THK. RIP RAP SLAB BOT.	3" CLR

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

SUBMITTAL RECORD		PROJECT INFORMATION		DRAWING
DATE: 11/03/21	FOR: APPROVAL	CUSTOMER: CASTLE ENTERPRISES, LLC	JOB #: 5087	R2.001
DATE: -	FOR: -	JOB NAME: MESLACO DRAIN	DETAILER: BCS	
DATE: -	FOR: -	LOCATION: MESLACO, TX	EMAIL: dper@cpusupply.com	
DATE: -	FOR: -	PHONE: 281-659-5864		
DATE: -	FOR: -	DESCRIPTION: SITE STRUCTURE REINFORCEMENT DETAILS		



4 SECTION
 SCALE - 1/2"=1'-0"
 REF: C03-02
 A/E PLEASE VERIFY SECTION & BAR ARRANGEMENT (TYP.)

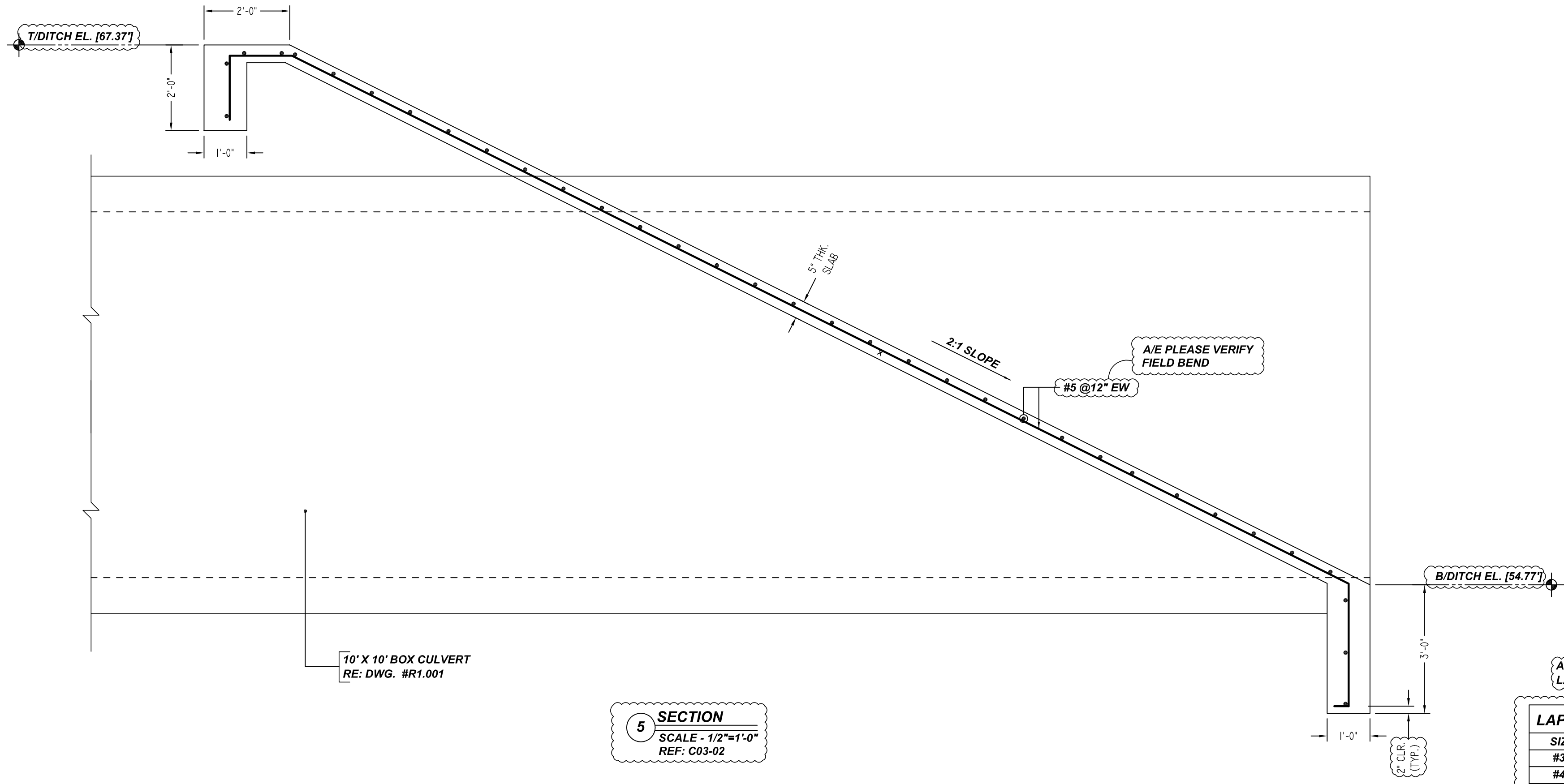
12' X 10' BOX CULVERT
 RE: DWG. #R1.001

A/E PLEASE VERIFY ELEVATION (TYP.)
 T/DITCH EL. [65.451]

A/E PLEASE VERIFY CLEAR COVER

FIELD BEND (TYP.)
 #5 @12" EW

2" CLR (TYP.)



5 SECTION
 SCALE - 1/2"=1'-0"
 REF: C03-02
 A/E PLEASE VERIFY FIELD BEND

10' X 10' BOX CULVERT
 RE: DWG. #R1.001

A/E PLEASE VERIFY LAP VALUE

SIZE	40 Ø LAP
#3	15"
#4	20"
#5	25"
#6	30"
#7	35"
#8	40"
#9	45"
#10	50"
#11	55"

A/E PLEASE VERIFY COVER VALUE

LOCATION	MIN. COVER
5" THK. SLAB TOP	2" CLR
BEAM	2" CLR
5" THK. RIP RAP SLAB BOTT.	3" CLR

**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**

ACCESSORIES DETAILS

S. NO	ELEMENT	DESCRIPTION	PCS	LFT/SQ.FT	REMARK
1	5" THK. RIP RAP	2" IHC	370 EACH	5770 SQ.FT	SLAB BOTTOM
2	5" THK. SLAB	3" IHC	145 EACH	2195 SQ.FT	FOR MESH SUPPORT (@ BOTTOM)
3	GRADE BEAM	2" BEAM BOLSTER 5'-0" LENGTH @48" O.C	25 EACH	99 LFT	-
4	ENERGY DISSIPATORS	2" BEAM BOLSTER 5'-0" LENGTH @48" O.C	20 EACH	72 LFT	-

A/E PLEASE VERIFY ACCESSORIES DETAILS

SUBMITTAL RECORD		PROJECT INFORMATION		DRAWING
DATE: 11/03/21	FOR: APPROVAL	CUSTOMER: CASTLE ENTERPRISES, LLC	JOB #: 5097	R2.002
DATE: -	FOR: -	JOB NAME: MESQUITE DRAIN	DETAILER: BCS	
DATE: -	FOR: -	LOCATION: MESQUITE, TX	EMAIL: dper@cpucitycler.com	
DATE: -	FOR: -	PHONE: 281-659-5864		
DATE: -	FOR: -	DESCRIPTION: SITE STRUCTURE REINFORCEMENT DETAILS		