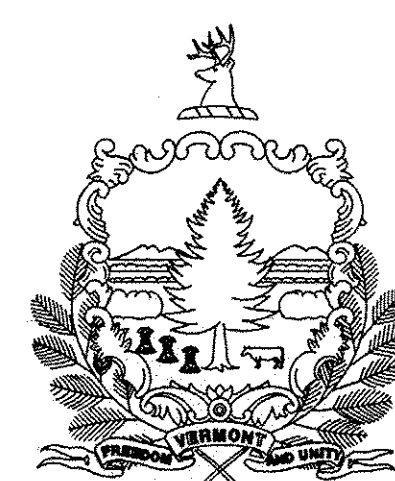


INDEX OF SHEETS

SEE PRELIMINARY INFORMATION SHEET, SHEET 2

STATE OF VERMONT AGENCY OF TRANSPORTATION



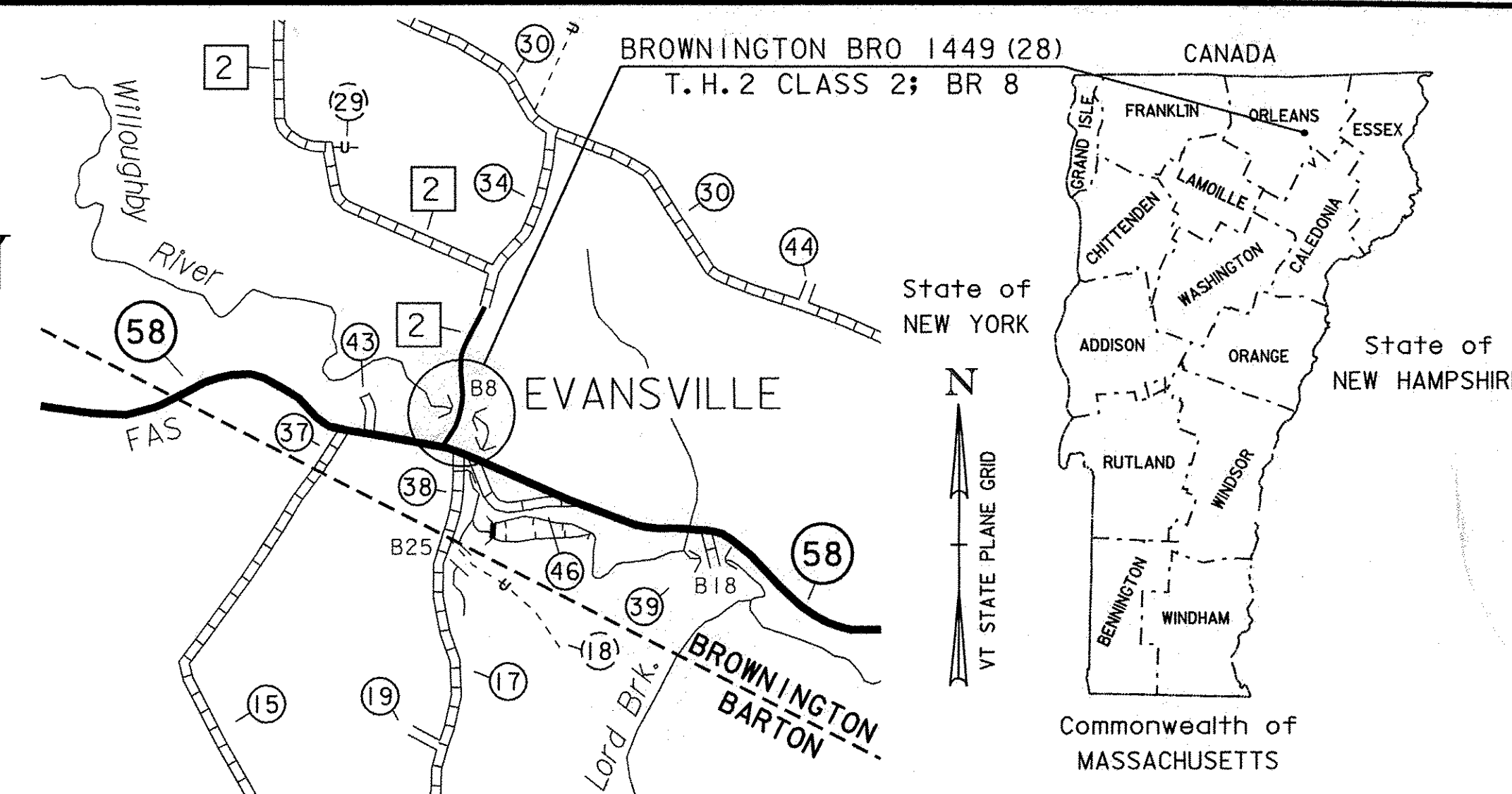
PROPOSED IMPROVEMENT BRIDGE PROJECT TOWN OF BROWNINGTON COUNTY OF ORLEANS

ROUTE NO : T.H. 2 CL.2 BRIDGE NO : BR 8

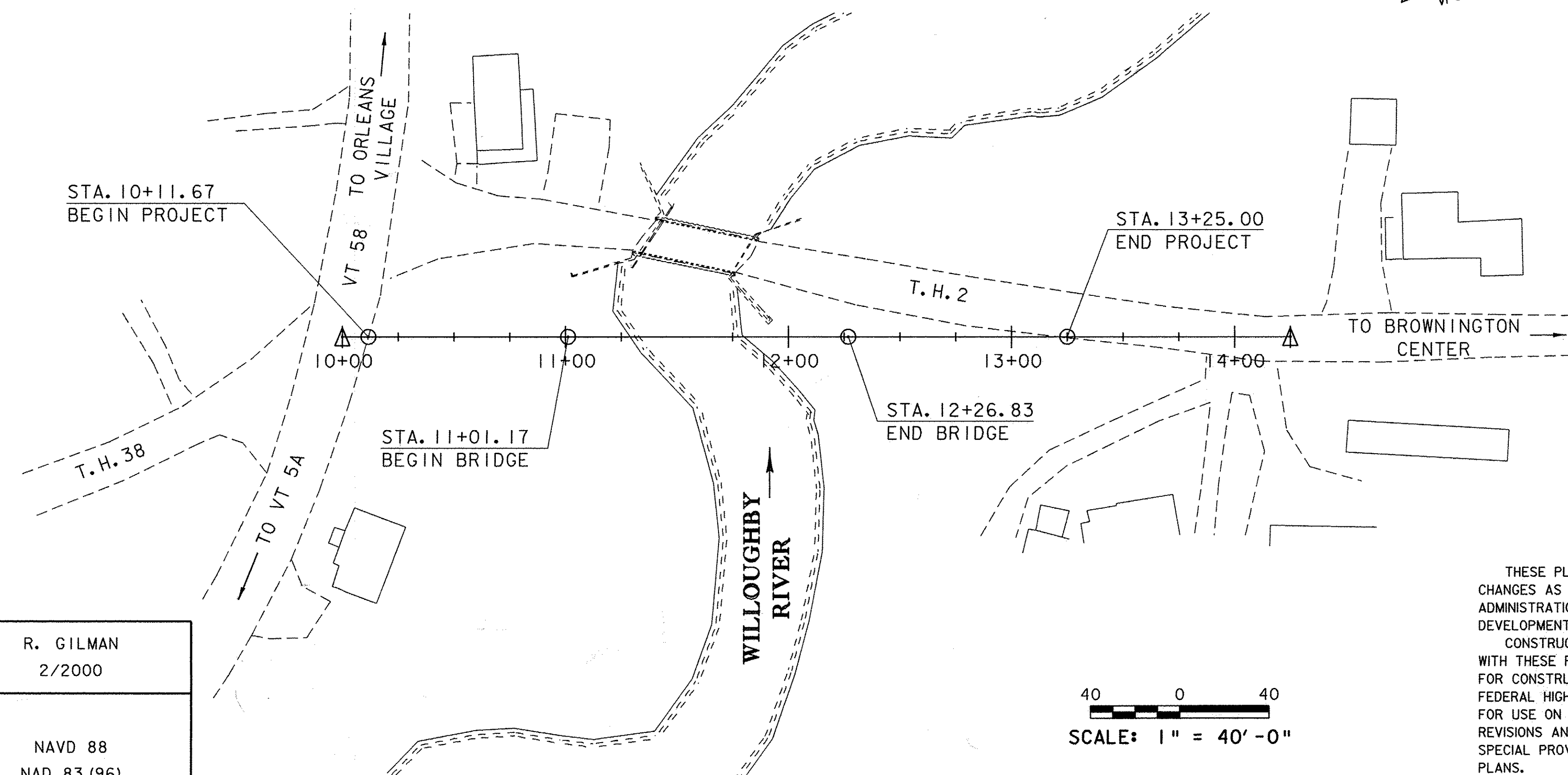
PROJECT LOCATION : BEGINNING AT THE INTERSECTION OF T.H. 2 AND VT 58 AND
EXTENDING NORTHERLY ALONG T.H. 2 FOR 0.06 MILES.

PROJECT DESCRIPTION : REPLACEMENT OF THE EXISTING BRIDGE WITH A NEW STRUCTURE,
INCLUDING RELATED CHANNEL AND APPROACH ROADWAY WORK.

LENGTH OF STRUCTURE : 125.66 FEET.
LENGTH OF ROADWAY : 187.67 FEET.
LENGTH OF PROJECT : 313.33 FEET.



LOCATION MAP



CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : R. GILMAN
SURVEYED DATE : 2/2000

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (96)

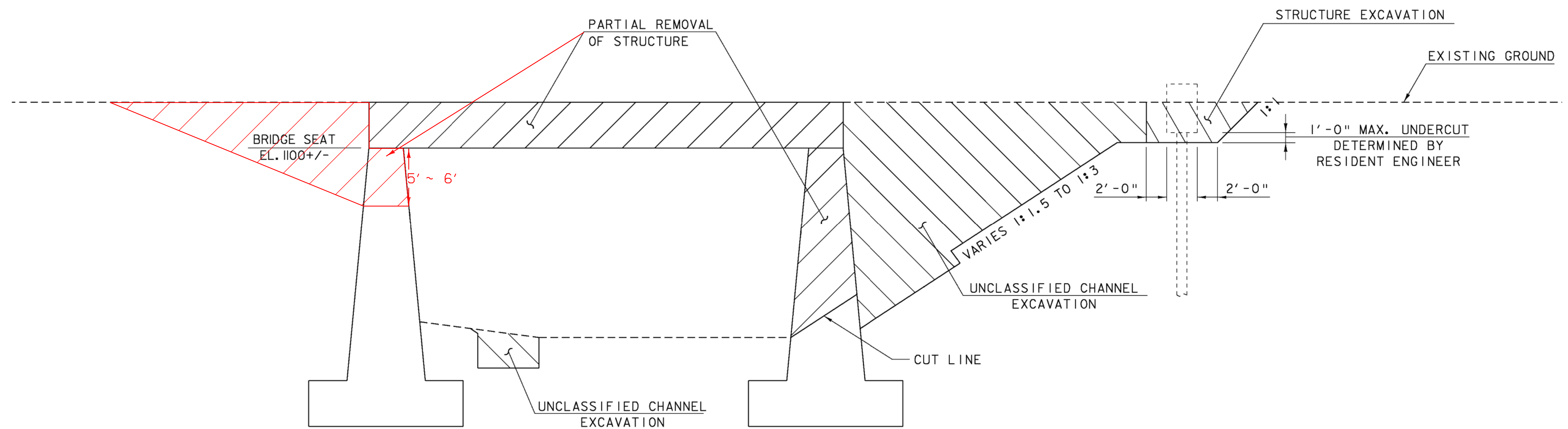
RECORD PLANS	
CONTRACTOR:	AUSTIN CONSTRUCTION INC. - CONCORD, VT
RESIDENT ENGINEER:	SHANE MORIN
CONSTRUCTION BEGAN:	JULY 1, 2009
CONSTRUCTION COMPLETE:	AUGUST 12, 2010
RECORD PLANS BY:	SHANE MORIN & AMOS KEMPTON
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY	RESIDENT ENGINEER
DATE	8/2/2011
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.	

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

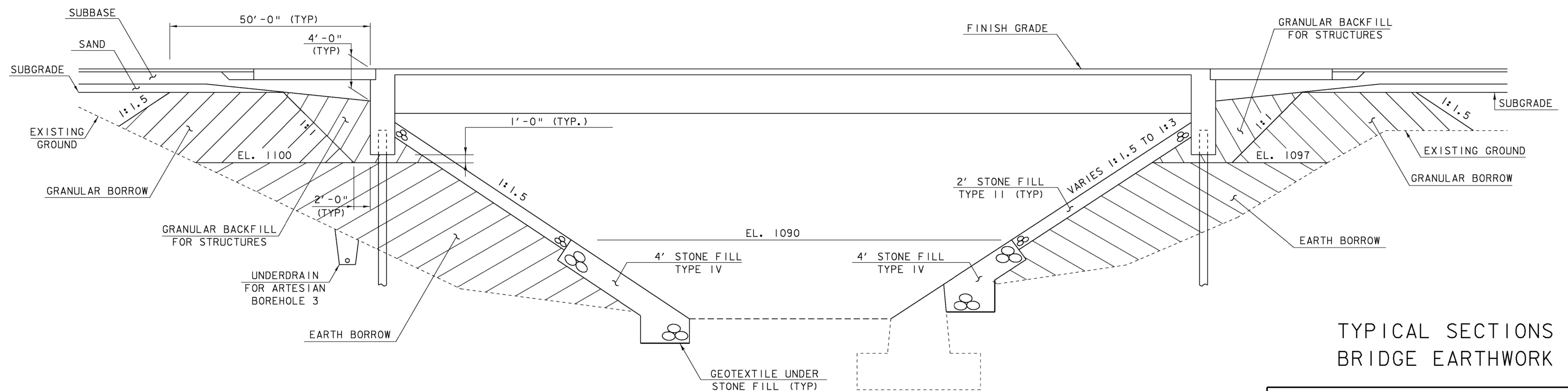
40 0 40
SCALE: 1" = 40' - 0"

99j246/structures/sj246bdr.dgn sj246tit.i 22-DEC-2008

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED	DATE 12-22-08
PROJECT MANAGER : R. R. WHITCOMB	
PROJECT NAME : BROWNINGTON	
PROJECT NUMBER : BRO 1449 (28)	
SHEET 1 OF 58 SHEETS	



EXISTING ABUTMENT EXCAVATIONS & REMOVALS
(NOT TO SCALE)



NEW ABUTMENT FILLS
(NOT TO SCALE)

TYPICAL SECTIONS BRIDGE EARTHWORK

PROJECT NAME: BROWNINGTON
PROJECT NUMBER: BRO 1449 (28)

FILE NAME: sj246+ty3.1
PROJECT MANAGER: R. WHITCOMB
DESIGNED BY: T. LACKEY
99j246/str/sj246typ.dgn

PLOT DATE: 19-DEC-2008
DRAWN BY: T. LACKEY
CHECKED BY: R. WHITCOMB
SHEET 6 OF 58

STATE OF VERMONT AGENCY OF TRANSPORTATION														QUANTITY SHEET 1																									
SUMMARY OF ESTIMATED QUANTITIES														TOTALS		DESCRIPTIONS						DETAILED SUMMARY OF QUANTITIES																	
									ROADWAY	EROSION CONTROL	BRIDGE	FULL C.E. ITEMS		GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS																	
									1					1	1	LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10				EARTHWORK SUMMARY																	
									480					480		CY	COMMON EXCAVATION	203.15			1,281	CY	FILL REQUIRED COMMON FILL (1.15*1114 CY)																
									10					10	0	CY	SOLID ROCK EXCAVATION	203.16					FILL AVAILABLE																
											1320			1320		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27			96	CY	COMMON EXCAVATION (0.2*480 CY)																
									670					670	779.13	CY	EARTH BORROW	203.30			1	CY	SOLID ROCK EXCAVATION (0.1*10 CY)																
									220					220	248.76	CY	SAND BORROW	203.31			396	CY	UNCLASSIFIED CHANNEL EXCAVATION (0.3*1320 CY)																
									810					810	641.73	CY	GRANULAR BORROW	203.32			84	CY	TRENCH EXCAVATION OF EARTH (0.3*280 CY)																
									280	10				290	258.12	CY	TRENCH EXCAVATION OF EARTH	204.20			40	CY	STRUCTURE EXCAVATION (0.5*80 CY)																
									10					10	18.2	CY	TRENCH EXCAVATION OF ROCK	204.21			--																		
									1					1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22			664	CY	EARTH BORROW, CALC.																
											80			80	47.38	CY	STRUCTURE EXCAVATION	204.25			20	CY	EARTH BORROW, MIN.																
											220			220	162.42	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30			--																		
									390					390	398.67	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10			664	CY	EARTH BORROW, CALC.																
									660	30				690	635.47	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35			670	CY	EARTH BORROW, ROUND																
									40					40	28.7	CY	AGGREGATE SURFACE COURSE	401.10																					
									3					3	3	CWT	EMULSIFIED ASPHALT	404.65																					
									1					1	-488.22	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50																					
											66			66	61.9	CY	CONCRETE, HIGH PERFORMANCE CLASS B	501.34																					
											1			1	1	LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10																					
											796			796	568.34	LF	STEEL PILING FOR INTEGRAL ABUTMENTS, HP 12 X 84	505.265																					
											2			2	3	EACH	DYNAMIC PILE LOADING TEST	505.45																					
											115850			115850	115392	LB	STRUCTURAL STEEL, PLATE GIRDER	506.55																					
											46541			46541	47332	LB	EPOXY COATED REINFORCING STEEL	507.17																					
											1			1	1	LS	SHEAR CONNECTORS (752 - 7/8" DIA. x 7")	508.15																					
											41			41	45	GAL	WATER REPELLENT, SILANE	514.10																					
											44			44	44	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10																					
											262.5			262.5	262.5	LF	BRIDGE RAILING, GALVANIZED HD STEEL BEAM/FASCIA MOUNTED	525.41																					
									1					1	1	LS	MAINTENANCE OF STRUCTURES AND APPROACHES	527.10																					
											90			90	89.56	SY	REMOVAL OF BRIDGE PAVEMENT	529.10																					
											1			1	1	EACH	PARTIAL REMOVAL OF STRUCTURE	529.20																					
																	BEGIN OPTION AA																						
									236					236	240	LF	24" CAAP .105 (2-2/3 X 1/2)	601.0227																					
									236					236		LF	24" PCCSP .109 (2-2/3 X 1/2)	601.0427																					
																	END OPTION AA																						
									2					2	2	EACH	PRECAST REINFORCED CONCRETE PIPE DI WITH CAST IRON GRATE	604.25																					
									46					46	75	LF	6 INCH UNDERDRAIN PIPE	605.10																					
										10				10		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25																					
									1					1	0	MGAL	DUST CONTROL WITH WATER	609.10																					
									1					1	0	TON	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15																					
									20	10				30	21.7	CY	STONE FILL, TYPE I	613.10																					
																				PROJECT NAME: BROWNINGTON																			
																				PROJECT NUMBER: BRO 1449 (28)																			
																				FILE NAME: sj246qty.xls										PLOT DATE: 01/05/2009									
																				PROJECT MANAGER: R. Whitcomb										DRAWN BY: T. Lackey									
																				DESIGNED BY T. Lackey										CHECKED BY: R. Whitcomb									
																				QUANTITY SHEET #1										SHEET 7 OF 58									

QUANTITY SHEET 3

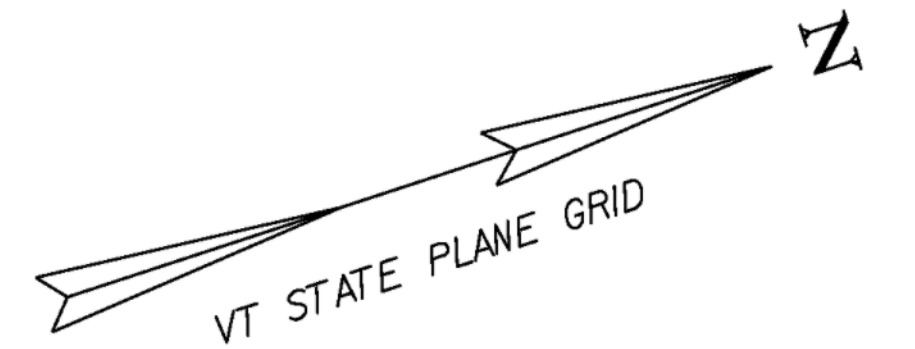
[illegible]

QUANTITY SHEET 4

[illegible]

APPROX. AERIAL T&E RELOCATION BY
BARTON VILLAGE, INC.
& VERIZON NEW ENGLAND

APPROX. WATER LINE LOCATION
PROVIDED BY
VILLAGE OF ORLEANS



1 1/2" COLD PLANING
TO MATCH TOP LIFT

STA. 10+11.67
BEGIN PROJECT

STA. 9+95.31
BEGIN APPROACH
MATCH EXISTING

~~REPLACE &
RELOCATE
4.5' x 7.5'
WOOD STEPS~~

STA. 21 + 08.75
END DRIVE

REMOVE AND RESET FENCE

CHAIN LINK FENCE, 6 FT

2'-0" STONE
FILL, TYPE II

STA. 12+26.83
END BRIDGE
F.G. = 1109.65

STA. 13+25.00
END PROJECT
BEGIN APPROACH

STA. 14+25.00
END APPROACH
MATCH EXISTING

1'-0" STONE
FILL, TYPE I

TO BROWNINGTON
CENTER

3-ROD R.O.W.

STA. 11+01.17
BEGIN BRIDGE
F.G. = 1112.09

4'-0" STONE
FILL, TYPE IV

2'-0" STONE
FILL, TYPE II

4'-0" STONE
FILL, TYPE IV

REPLACE &
RELOCATE
6' x 6' WOOD DECK
& STEPS

~~RELOCATE MAILBOX,
SINGLE SUPPORT~~

ML 10+76 LT
ML 13+66 LT

~~SPECIAL PROVISION (REMOVE AND
RELOCATE EXISTING TIMBER STAIRWAY)~~

~~10+94 LT 108 TO 10+89 LT 108~~

~~SPECIAL PROVISION (REMOVE AND RELOCATE
EXISTING TIMBER DECK AND STAIRWAY)~~

~~12+23 RT 50 TO 12+28 RT 88~~

~~REMOVING AND RESETTNG
PROPERTY MARKERS~~

~~STA 14+06.34 RT 23.82~~

~~SLEEVES FOR UTILITIES (1X24")~~

~~ML 10+63 RT 33 TO ML 10+94 LT 30~~

~~REMOVE HYDRANT~~

~~ML 10+95 LT 31~~

~~HYDRANT~~

~~ML 10+95 LT 31~~

~~BRIDGE RAILING, GALVANIZED
HDSB/FASCIA MOUNTED~~

ML 10+98.4 LT TO 12+29.6 LT
ML 10+98.4 RT TO 12+29.6 RT

~~CONSTRUCT PAVED APRON~~

~~ML 14+00 RT~~

~~CONSTRUCT PAVED DRIVE~~

~~ML 10+75 LT~~

~~WOOD MARKER POSTS~~

~~DR 20+45 TO 21+61 RT~~

~~CHAIN LINK FENCE, 6 FEET~~

~~DR 20+55 TO 21+10 RT~~

~~REMOVING AND RESETTNG FENCE~~

~~10+92 LT 79 TO 11+23 LT 98 32'
DR 21+10~~

~~HDSB GUARD RAIL, GALVANIZED~~

DR 20+45.5 RT TO ML 10+98.4 LT (WW1)
ML 10+23.8 RT TO 10+98.4 RT (WW2)
ML 12+29.6 LT TO 13+60.5 LT (WW3)
ML 12+29.6 RT TO 12+98.0 RT (WW4)

~~ANCHOR FOR STEEL BEAM RAIL~~

ML 13+ 48.5 LT
ML 10+ 36 RT & ML 12+ 86 RT

~~REMOVAL AND DISPOSAL
OF GUARD RAIL~~

ML 10+39 LT TO 11+30 LT (WW2)
ML 11+87 LT TO 13+52 LT (WW3)
ML 11+76 LT TO 13+03 RT (WW4)

DRAINAGE

- 1 REMOVE EXISTING CULVERTS
- 2 STA 9+ 96, 22' LT
NEW 24" X 132' PIPE OPTION
- 3 STA 14+16, 30' RT
NEW 24" X 32' PIPE OPTION
INLET RC DI WITH GRATE
OUTLET RC DI WITH GRATE
- 4 STA 14+08
NEW 24" X 72' PIPE OPTION
INLET RC DI WITH GRATE
OUTLET STONE FILL TYPE I
- 5 STA 10+91, 35' RT
NEW 6" X 46' UNDERDRAIN

LAYOUT PLAN

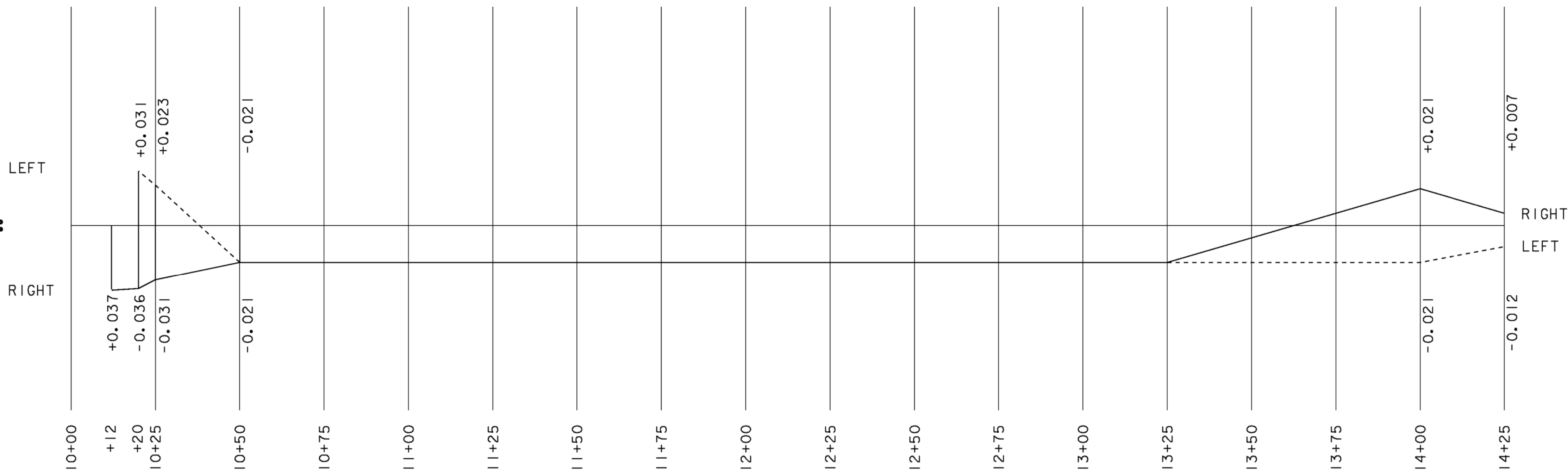
PROJECT NAME: BROWNINGTON
PROJECT NUMBER: BRO 1449 (28)

FILE NAME: sj246pl1
PROJECT MANAGER: R. WHITCOMB
DESIGNED BY: T. LACKY
99J246/str/sj246bdr.dgn

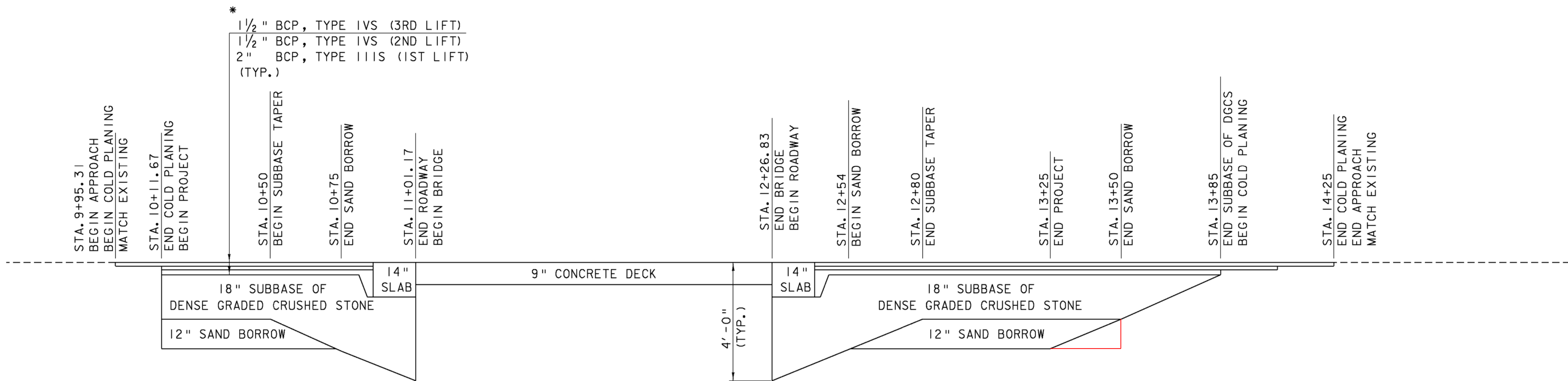
PLOT DATE: 06-JAN-2009
DRAWN BY: T. LACKY
CHECKED BY: R. WHITCOMB
SHEET 13 OF 58

20 0 20
SCALE: 1" = 20'-0"

Superelevation:

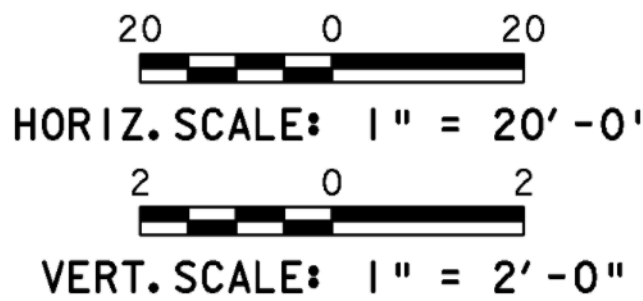


SUPERELEVATION



*
BCP SHALL BE READ AS BITUMINOUS CONCRETE PAVEMENT
AND SHALL BE PAID FOR UNDER SPECIAL PROVISION
BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)

MATERIAL TRANSITION DETAIL

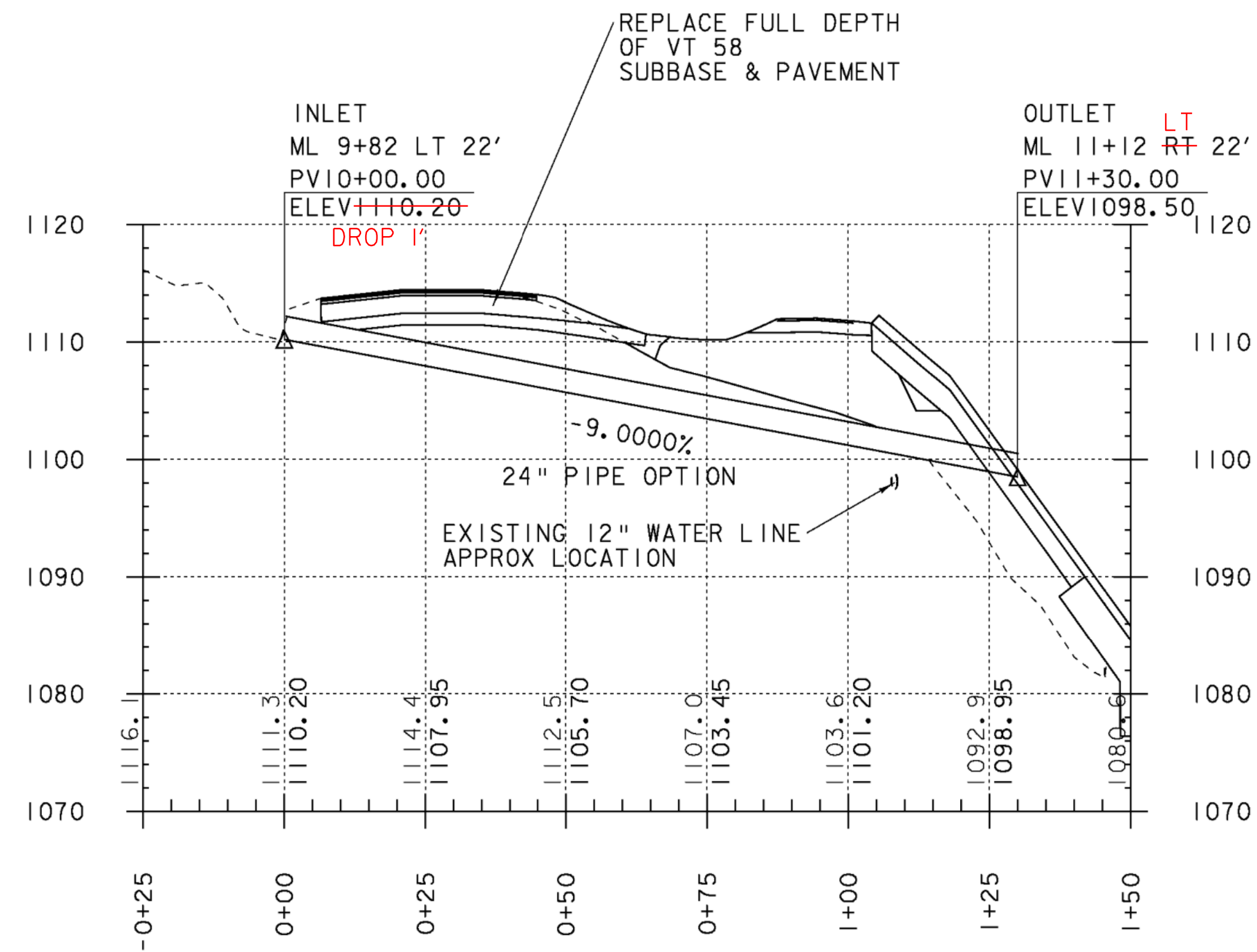


MAINLINE
SUPERELEVATION &
MATERIAL TRANSITION

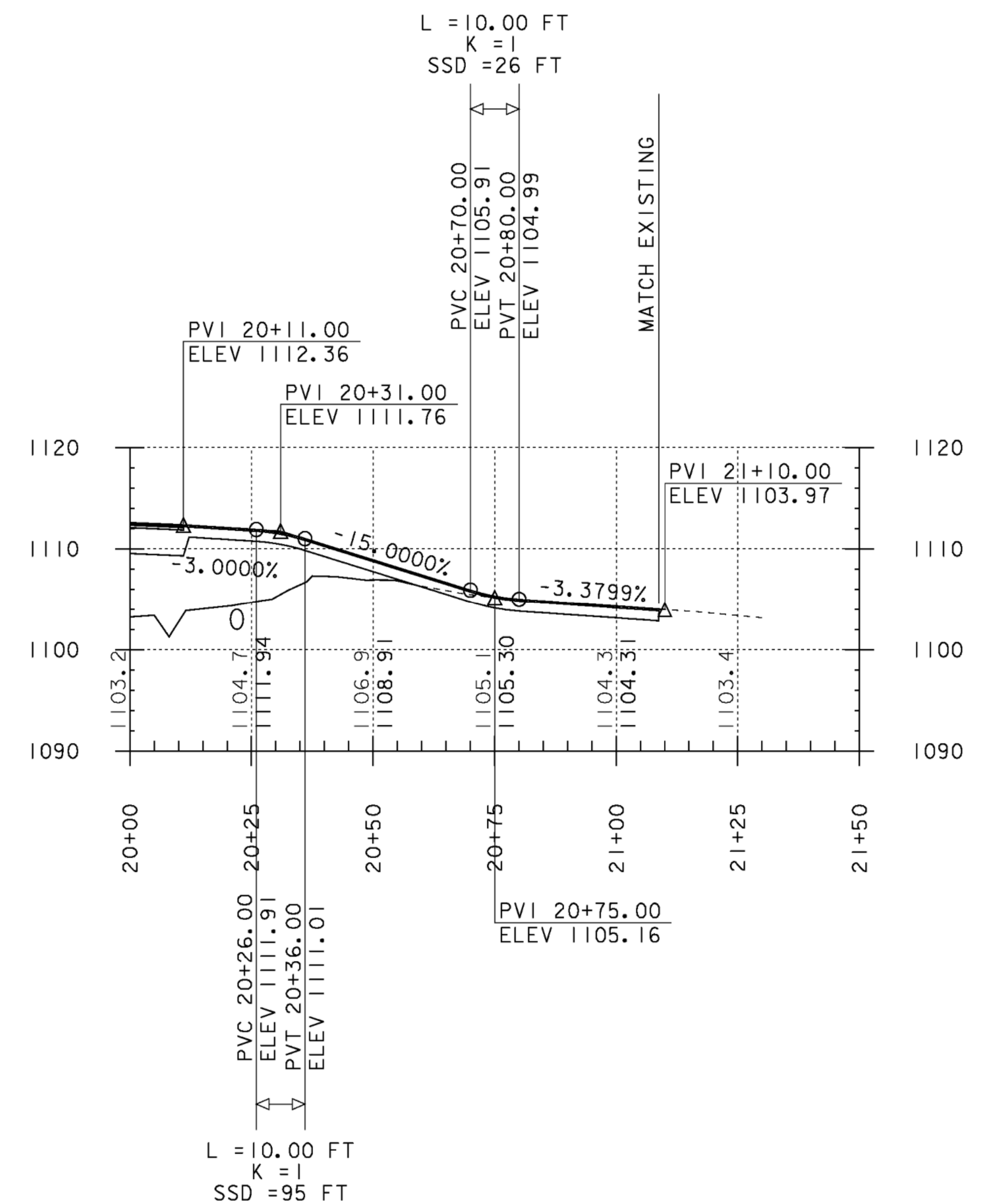
PROJECT NAME: BROWNINGTON
PROJECT NUMBER: BRO 1449 (28)

FILE NAME: sj246pf2.1
PROJECT MANAGER: R. WHITCOMB
DESIGNED BY: T. LACKEY
99J246/str/sj246xs.dgn

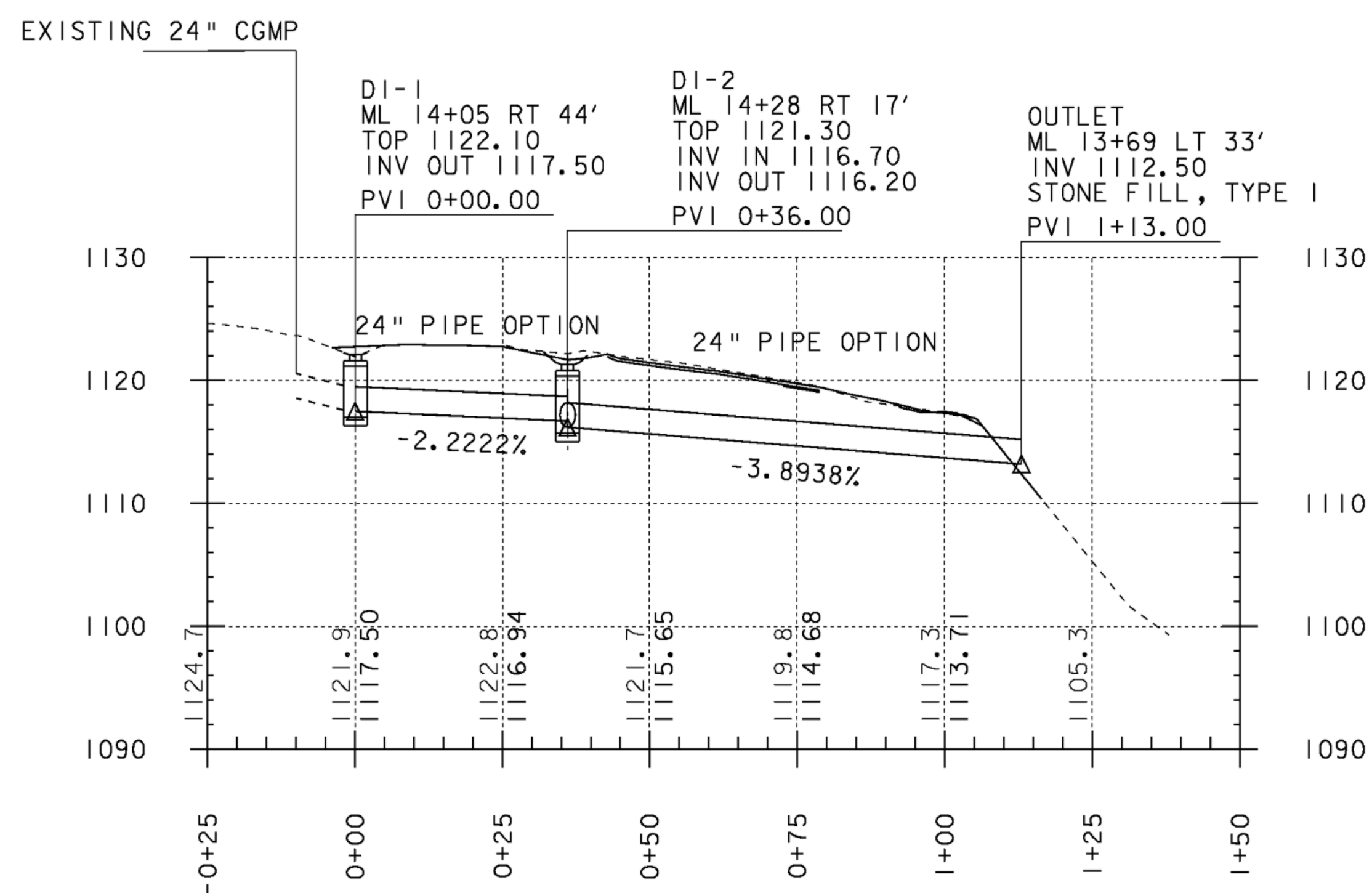
PLOT DATE: 19-DEC-2008
DRAWN BY: T. LACKEY
CHECKED BY: R. WHITCOMB
SHEET 15 OF 58



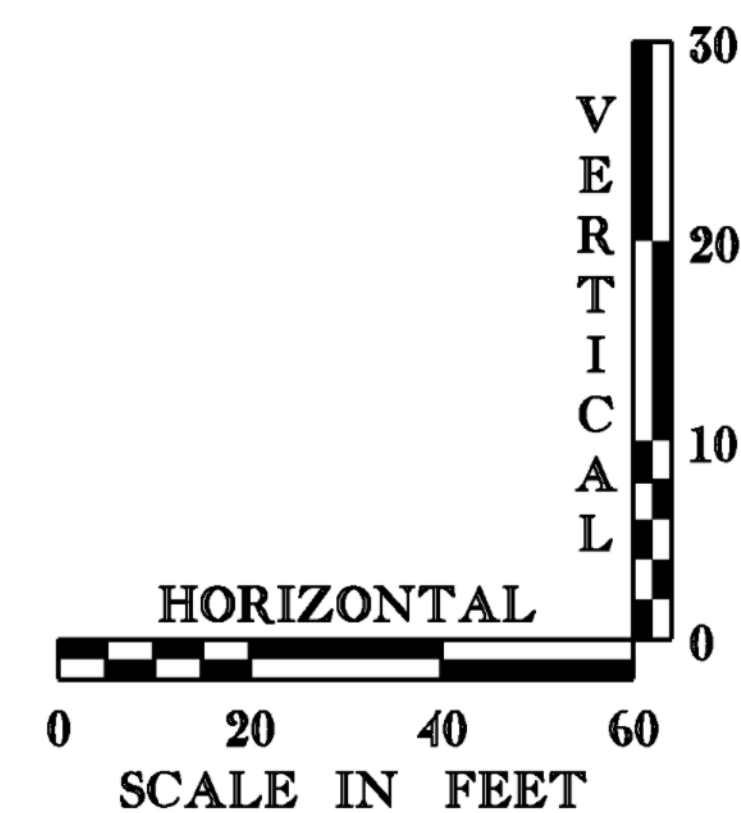
CULVERT 2 PROFILE
DR 20+22



DRIVEWAY PROFILE
ML 10+76



CULVERT 3 & 4 PROFILE
ML 14+08

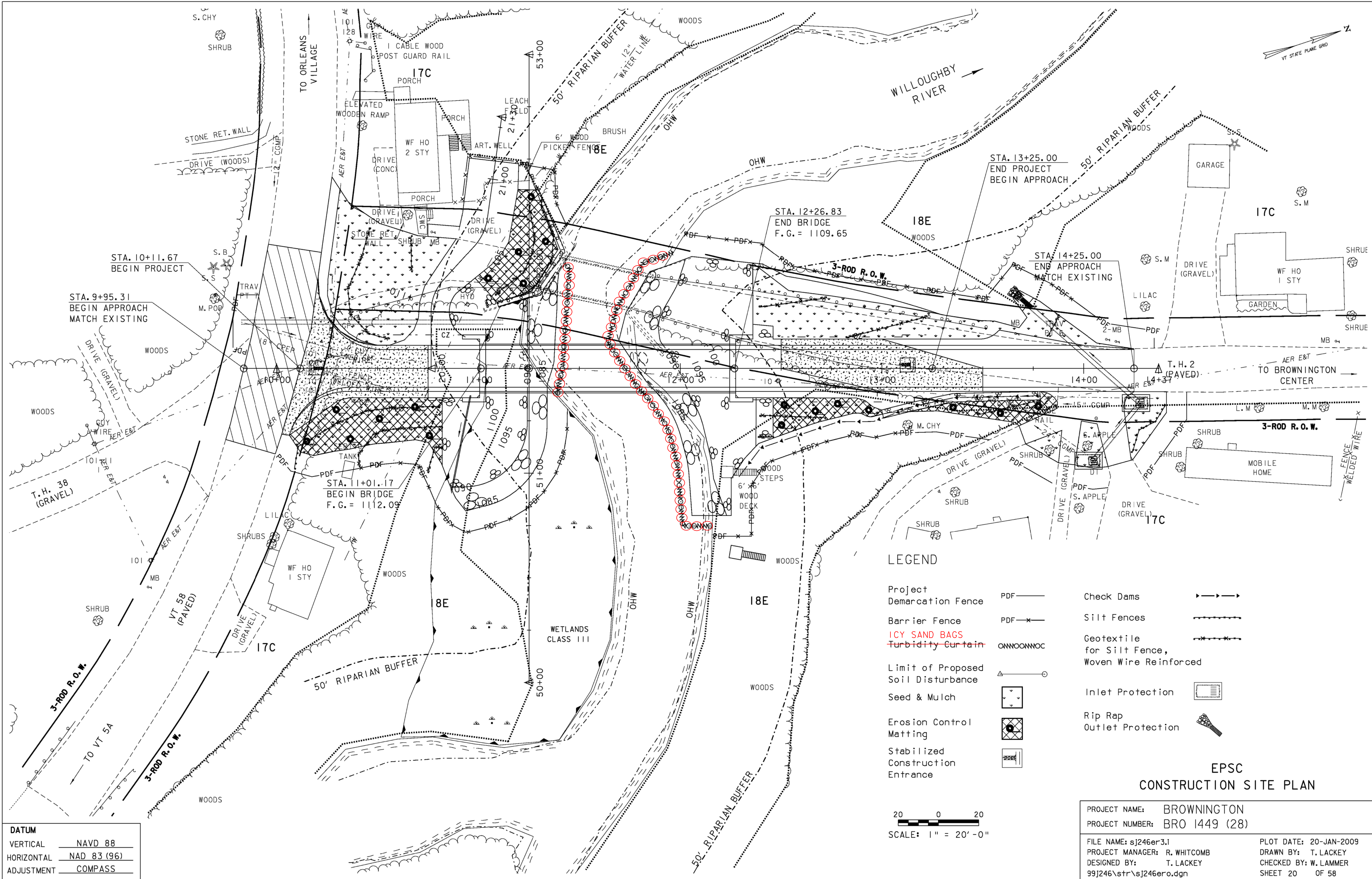


DRIVEWAY & CULVERT PROFILES

PROJECT NAME: BROWNINGTON
PROJECT NUMBER: BRO 1449 (28)

FILE NAME: sj246pf3.1
PROJECT MANAGER: R. WHITCOMB
DESIGNED BY: T. LACKEY
99j246/str/sj246xs.dgn

PLOT DATE: 19-DEC-2008
DRAWN BY: T. LACKEY
CHECKED BY: R. WHITCOMB
SHEET 16 OF 58

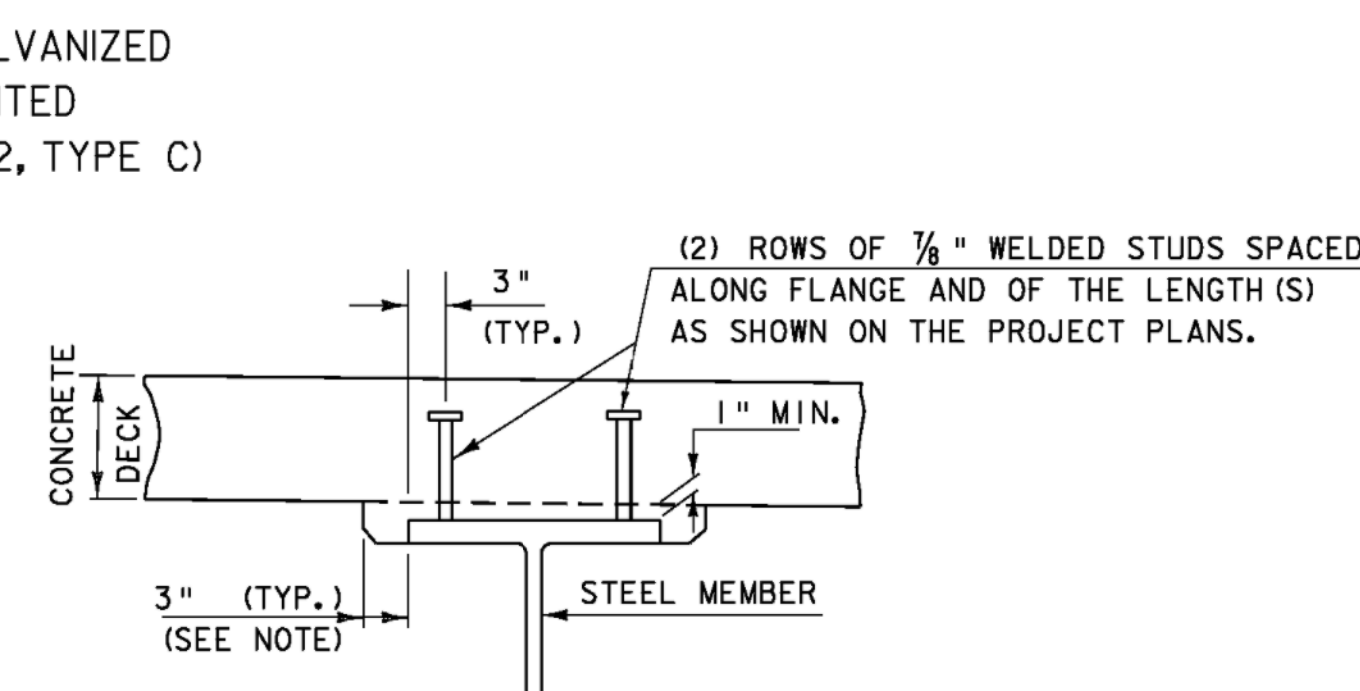
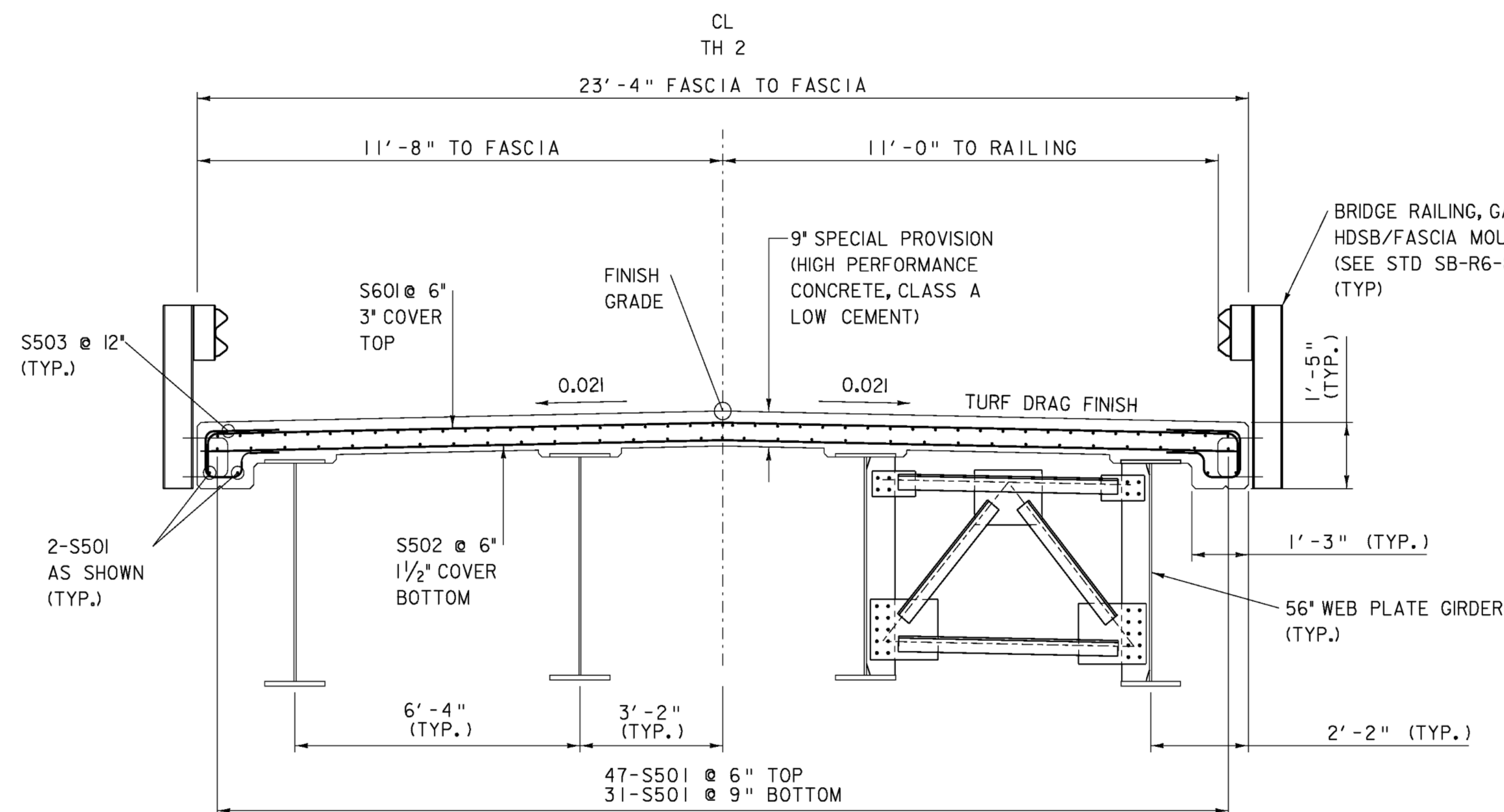
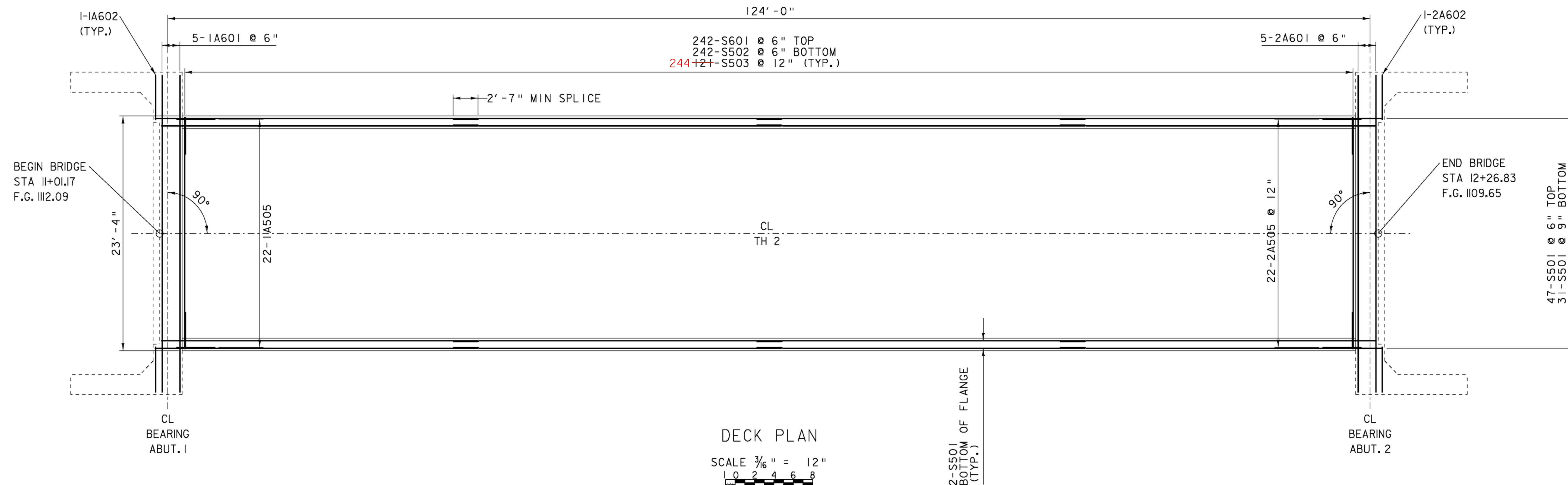


DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (96)
ADJUSTMENT COMPASS

20 0 20
SCALE: 1" = 20'-0"

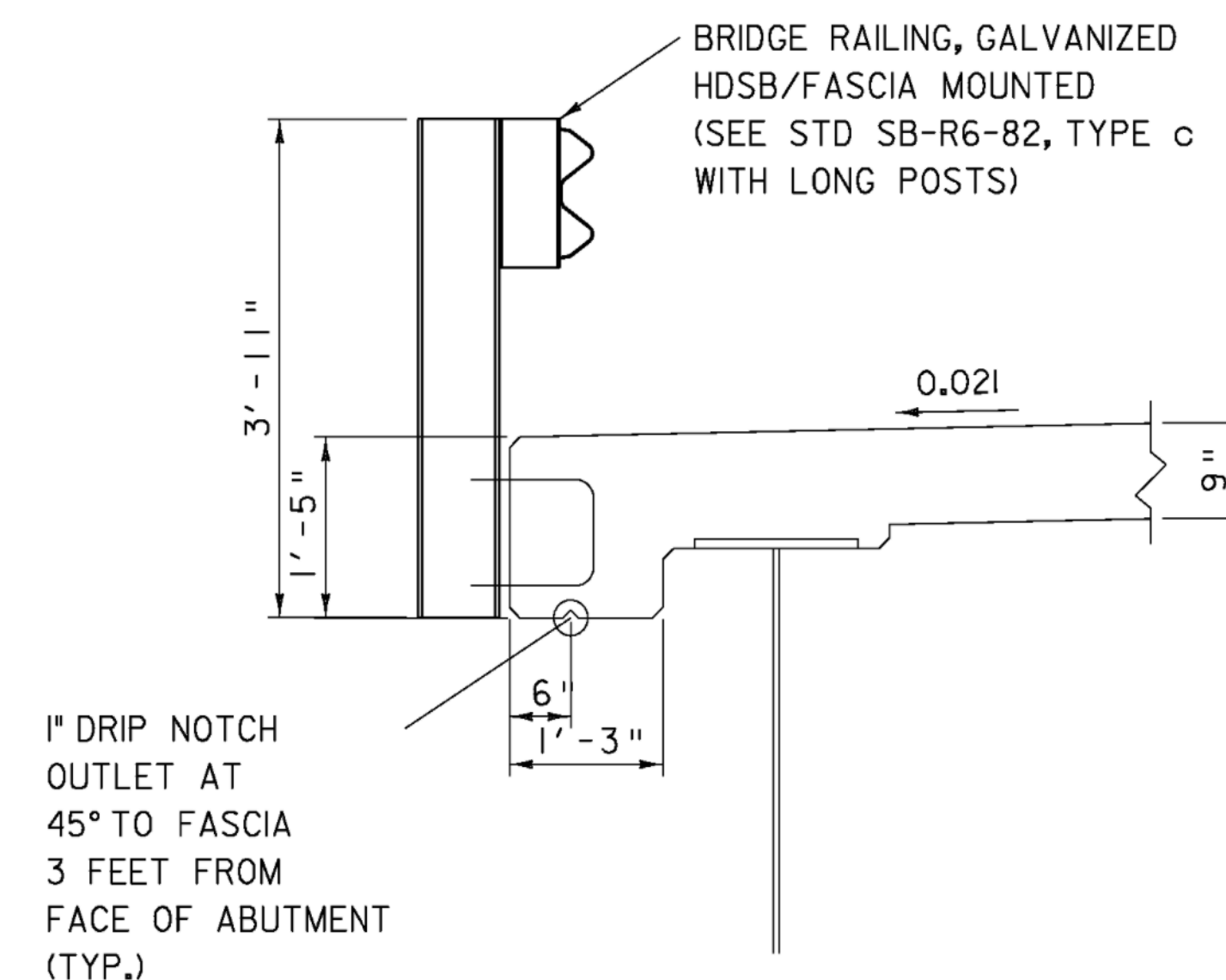
EPSC
CONSTRUCTION SITE PLAN

PROJECT NAME:	BROWNINGTON	PLOT DATE:	20-JAN-2009
PROJECT NUMBER:	BRO 1449 (28)	DRAWN BY:	T. LACKEY
FILE NAME:	sj246or3.1	CHECKED BY:	W. LAMMER
PROJECT MANAGER:	R. WHITCOMB	SHEET	20 OF 58
DESIGNED BY:	T. LACKEY		
99j246\str\sj246ero.dgn			



NOTE: THE 3" HORIZONTAL SECTION MAY BE ELIMINATED FOR FORMING SYSTEMS DESIGNED FOR THE CONSTRUCTION OF VERTICAL HAUNCHES. ANY VOIDS RESULTING FROM FORMING SYSTEM ELEMENTS SHALL BE FILLED WITH JOINT SEALER, POLYURETHANE MEETING THE REQUIREMENTS OF SECTION 524. THE COST OF THE JOINT SEALER, POLYURETHANE SHALL BE INCIDENTAL TO THE ADJACENT CONCRETE.

NOTE:
NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE
▲ = CUT TO FIT IN FIELD
3" COVER UNLESS OTHERWISE SPECIFIED ON THE PLANS.
2'-2" BAR LAP UNLESS OTHERWISE SPECIFIED ON THE PLANS.

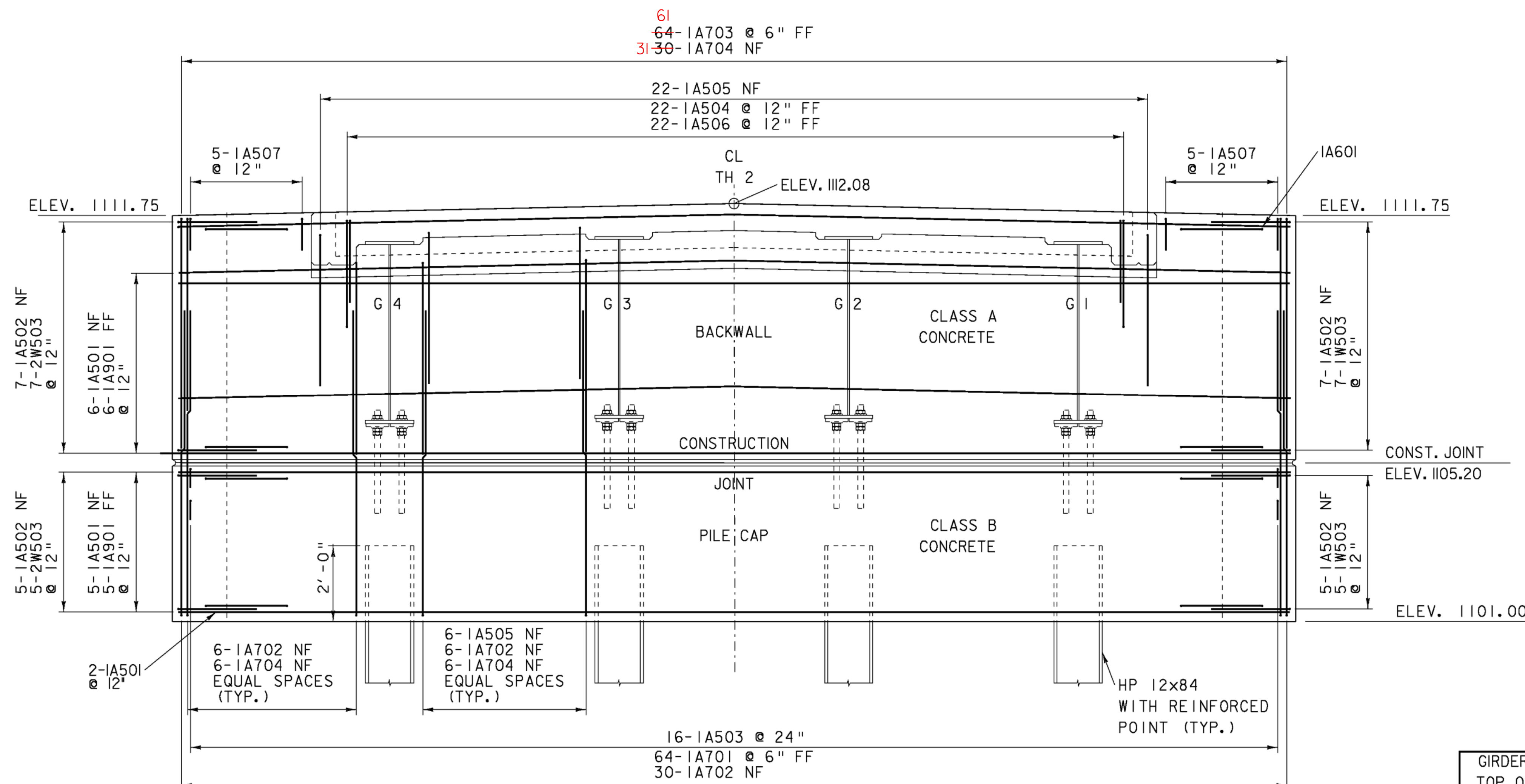


SUPERSTRUCTURE DECK

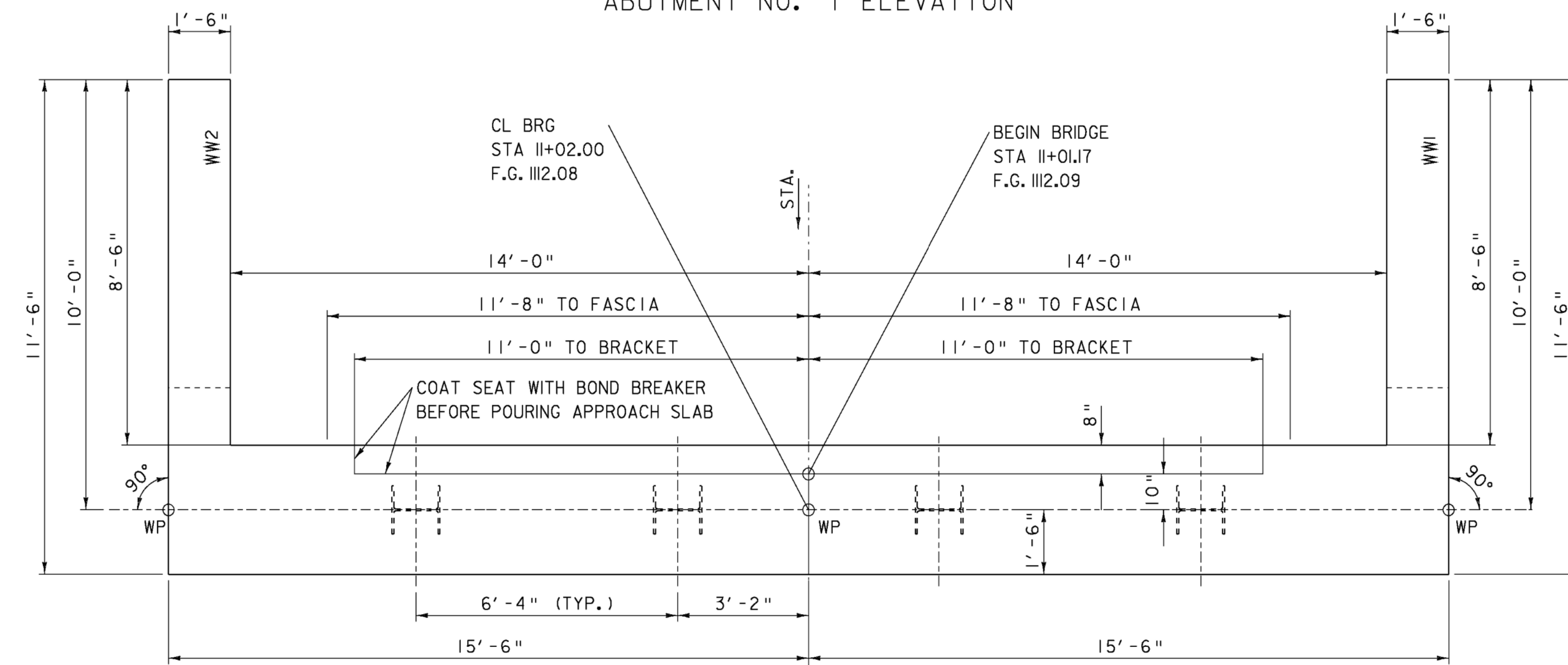
PROJECT NAME: BROWNINGTON
PROJECT NUMBER: BRO 1449 (28)

FILE NAME: sj246s01.1
PROJECT LEADER: R. WHITCOMB
DESIGNED BY: T. LACKEY
99j246/str/sj246str.dgn

PLOT DATE: 19-DEC-2008
DRAWN BY: C. MOONEY
CHECKED BY: R. WHITCOMB
SHEET 32 OF 58



ABUTMENT NO. 1 ELEVATION

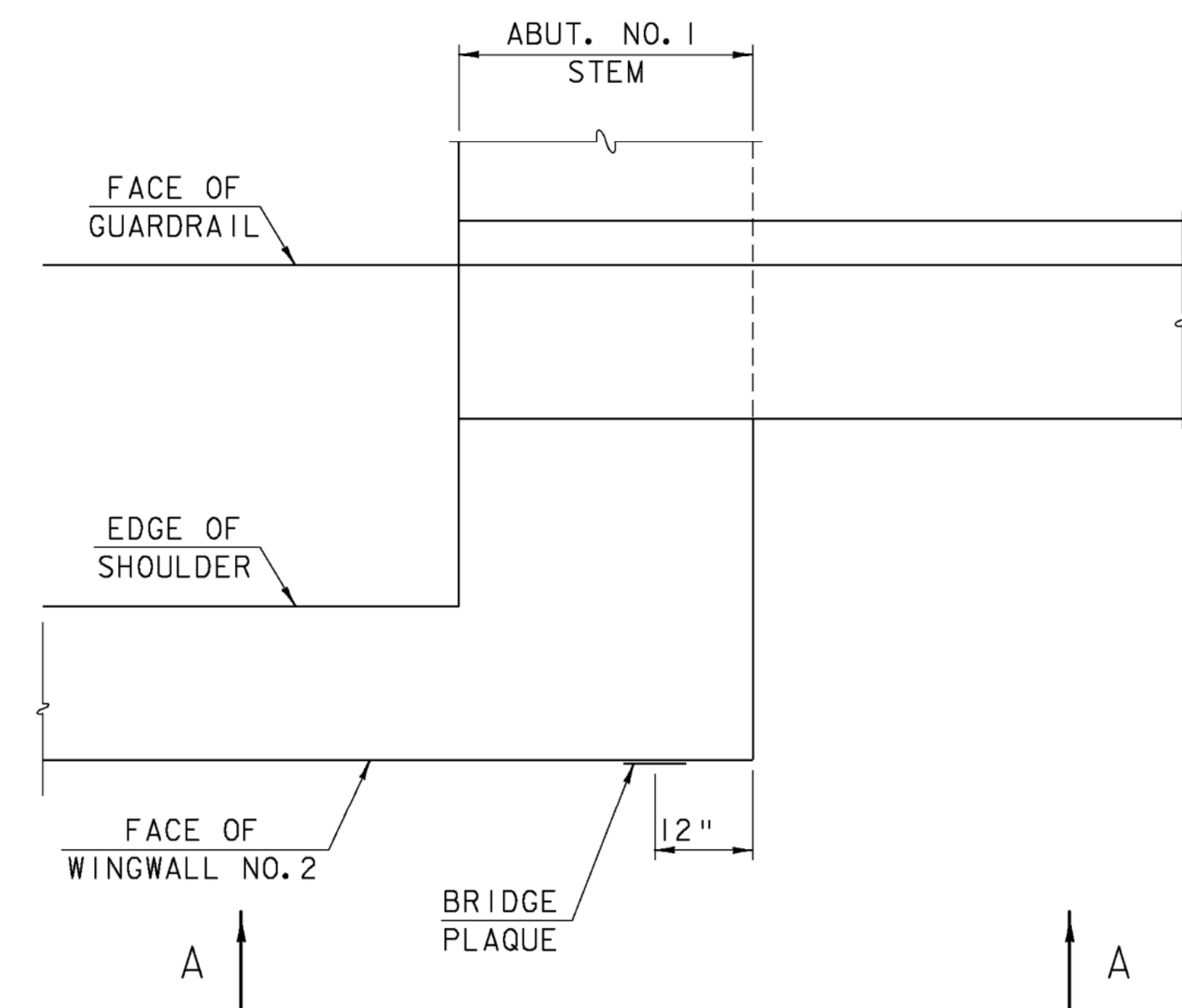


ABUTMENT NO. 1 PLAN

SCALE $\frac{1}{2}$ " = 12"
0 1 2

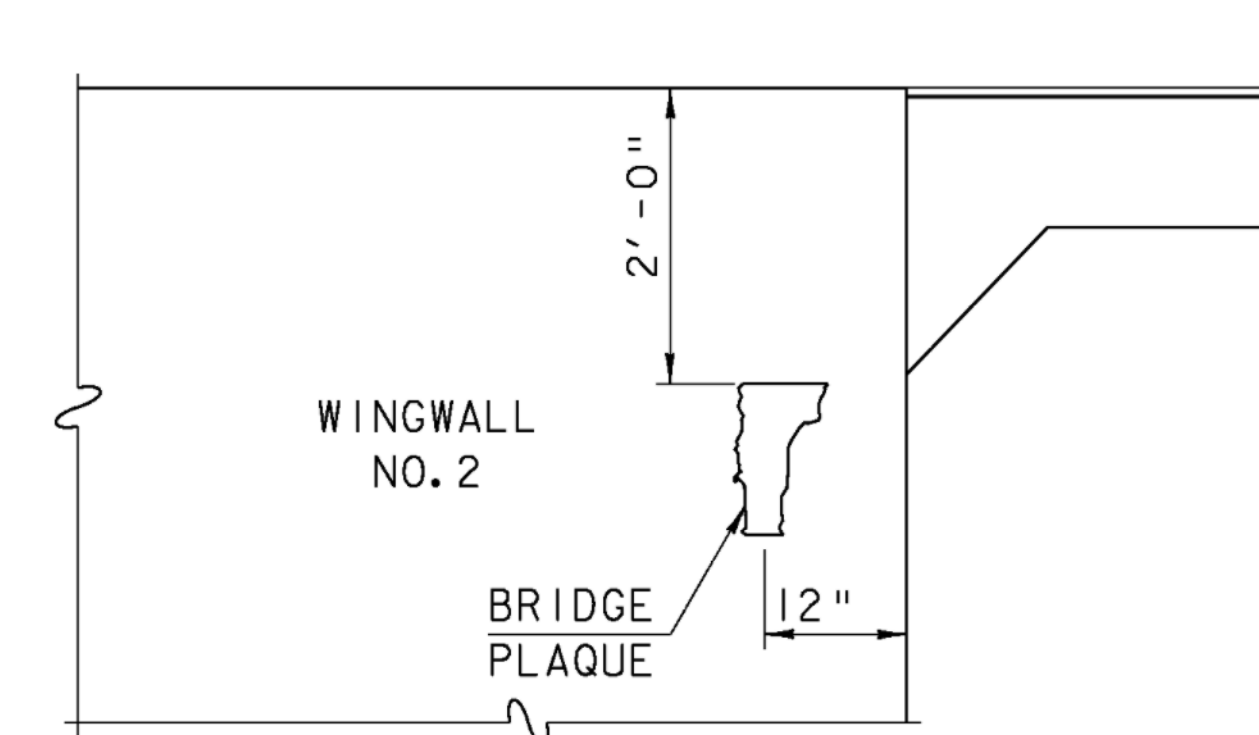
GIRDER SEAT ELEVATIONS
TOP OF LEVELING PLATES

GIRDER 1 - 1105.91
GIRDER 2 - 1106.04
GIRDER 3 - 1106.04
GIRDER 4 - 1105.91



BRIDGE PLAQUE PLAN

NOT TO SCALE



BRIDGE PLAQUE VIEW "A-A"

NOT TO SCALE

BRIDGE PLAQUE NOTES

1. VTRANS WILL SUPPLY THE BRIDGE PLAQUE.
2. INSTALL THE PLAQUE AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. INCLUDE PAYMENT FOR INSTALLATION IN ITEM 900.608, SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, CLASS A LOW CEMENT).

NOTE:

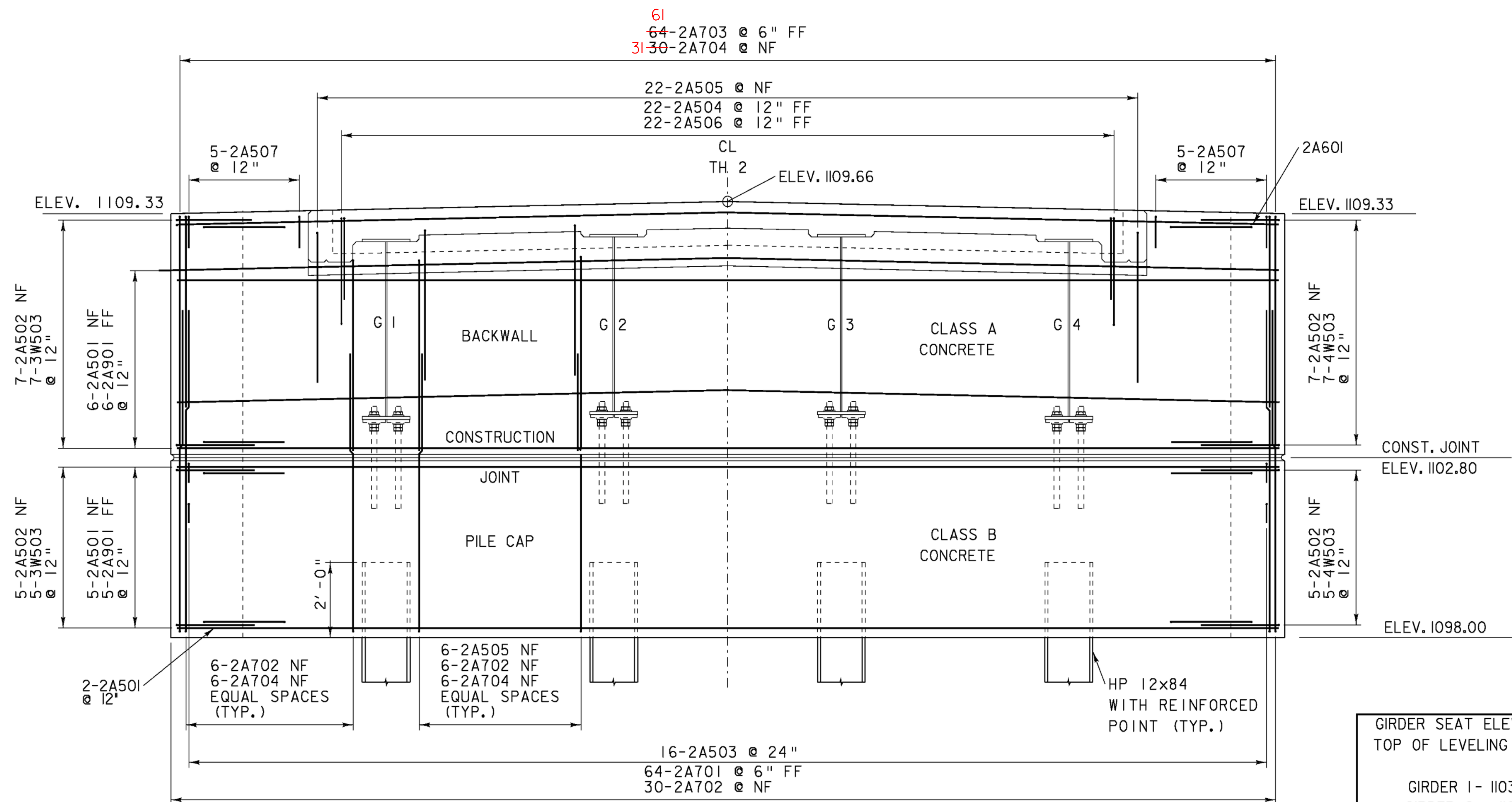
NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE
▲ = CUT TO FIT IN FIELD
3" COVER UNLESS OTHERWISE
SPECIFIED ON THE PLANS.
2'-2" BAR LAP UNLESS OTHERWISE
SPECIFIED ON THE PLANS.

SUBSTRUCTURE ABUTMENT 1

PROJECT NAME: BROWNINGTON
PROJECT NUMBER: BRO 1449 (28)

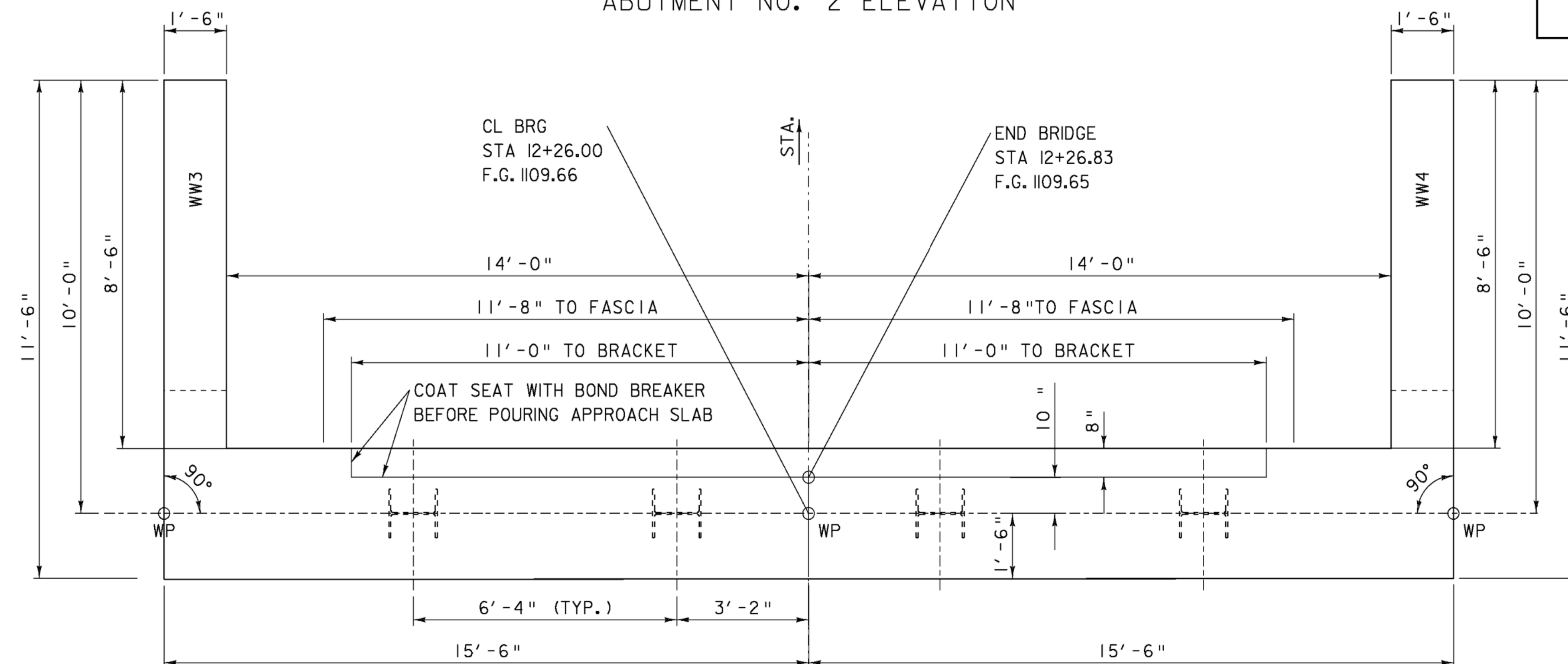
FILE NAME: sj246s07.1
PROJECT LEADER: R. WHITCOMB
DESIGNED BY: T. LACKEY
99J246/str/sj246str.dgn

PLOT DATE: 19-DEC-2008
DRAWN BY: C. MOONEY
CHECKED BY: R. WHITCOMB
SHEET 38 OF 58



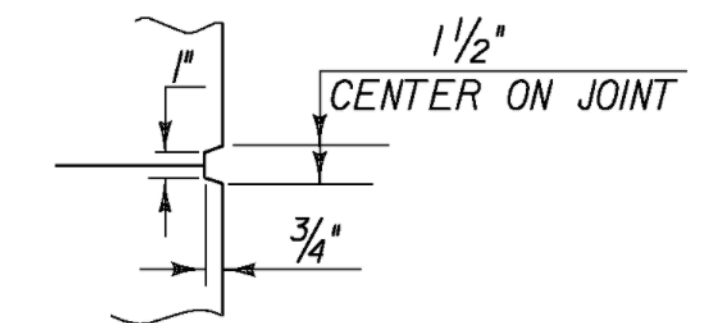
ABUTMENT NO. 2 ELEVATION

GIRDER SEAT ELEVATIONS TOP OF LEVELING PLATES	
GIRDER 1 -	1103.48
GIRDER 2 -	1103.61
GIRDER 3 -	1103.61
GIRDER 4 -	1103.48

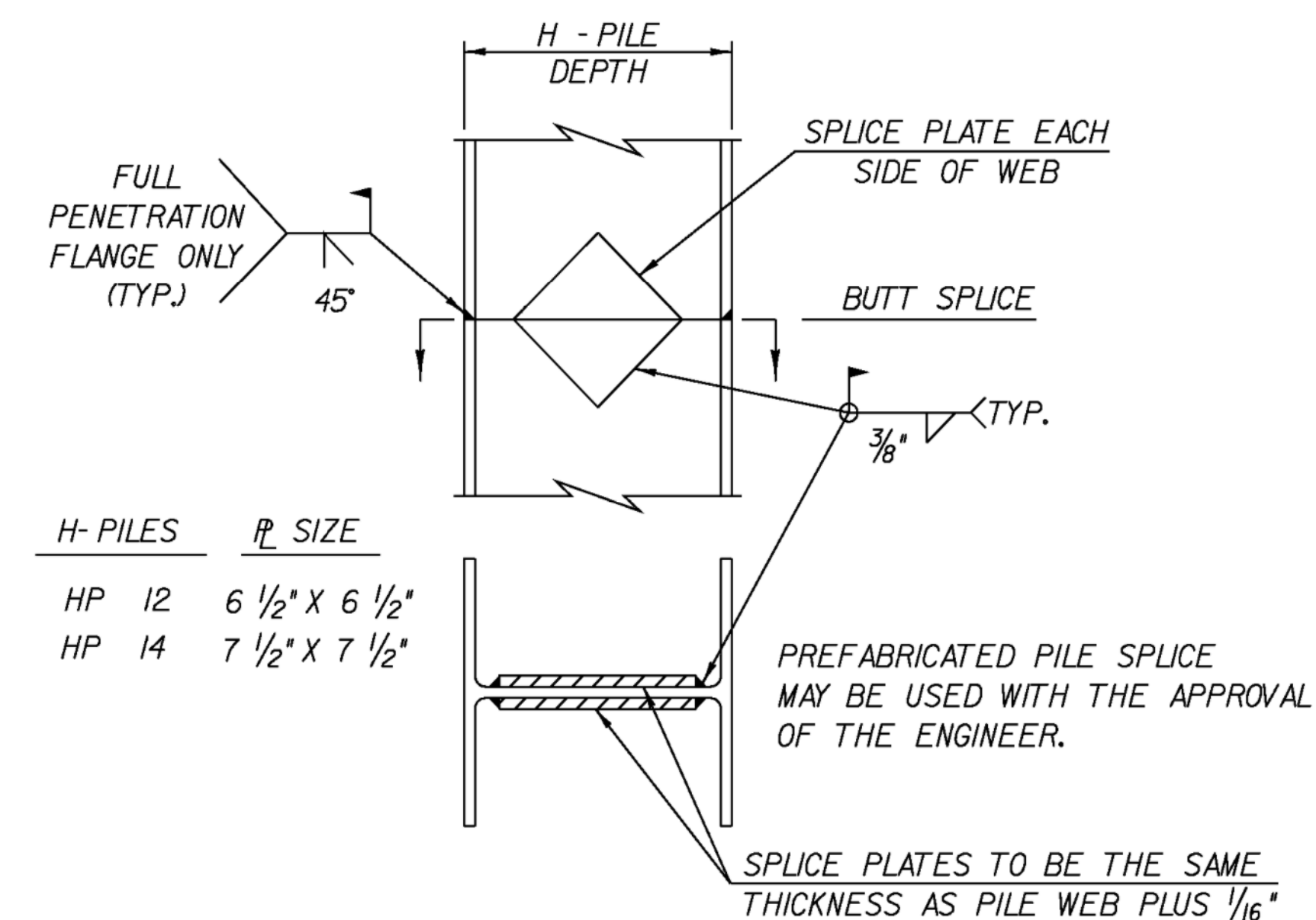


ABUTMENT NO. 2 PLAN

SCALE 1/2" = 12"



SCORE MARK DETAIL



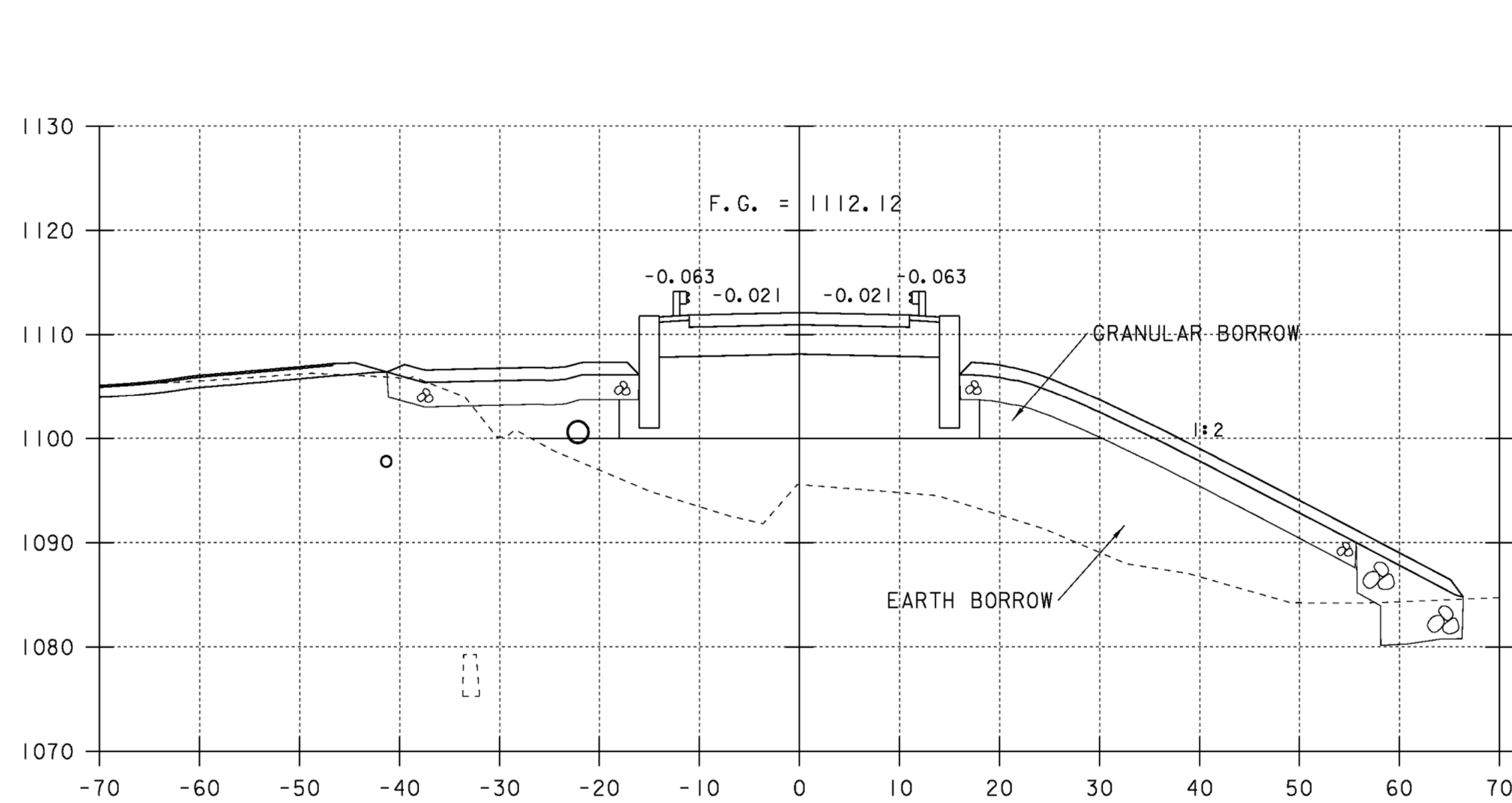
DETAIL OF PILE SPLICE

NOTE:

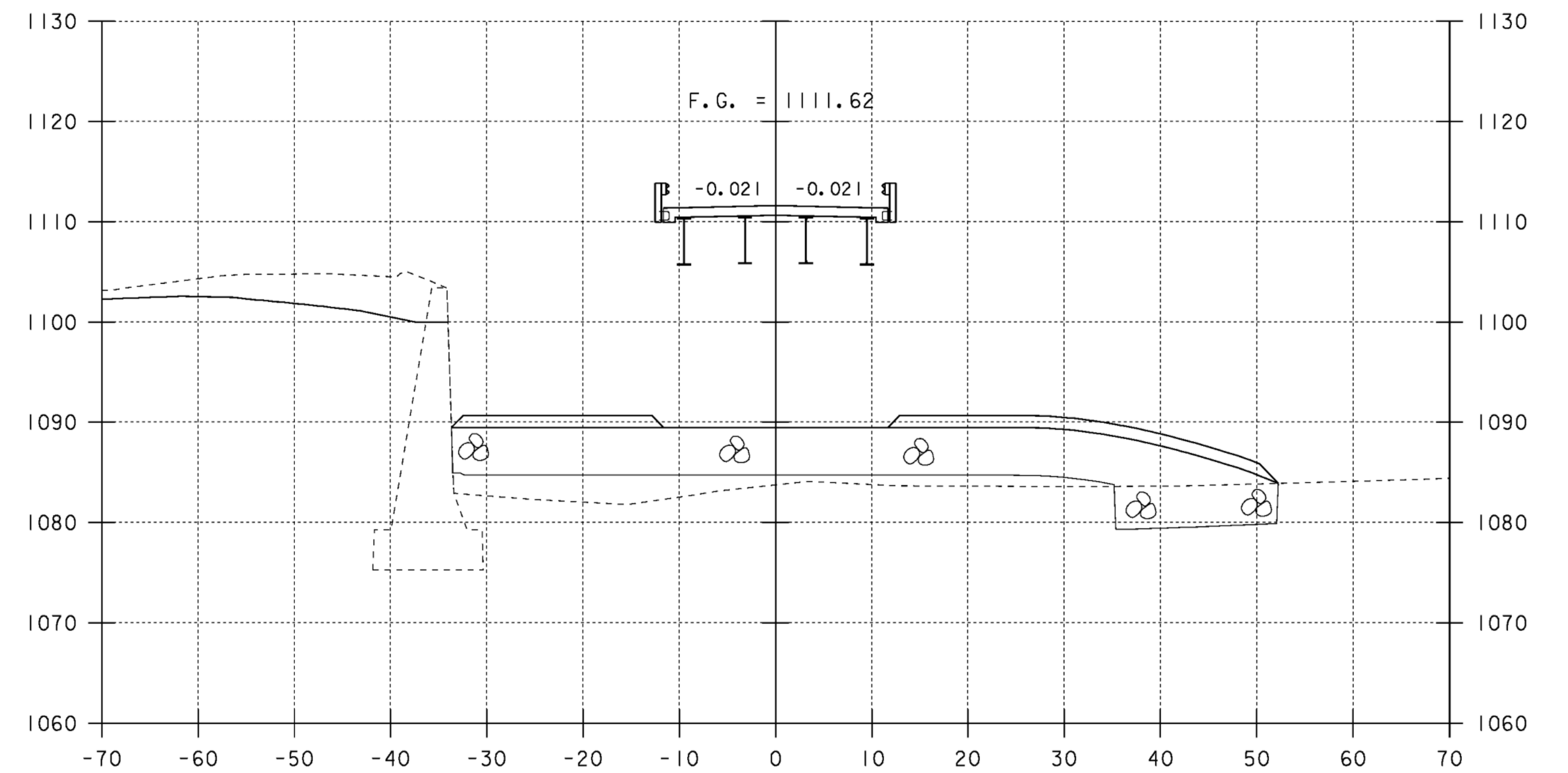
NF = NEAR FACE
 FF = FAR FACE
 EF = EACH FACE
 ▲ = CUT TO FIT IN FIELD
 3" COVER UNLESS OTHERWISE SPECIFIED ON THE PLANS.
 2'-2" BAR LAP UNLESS OTHERWISE SPECIFIED ON THE PLANS.

SUBSTRUCTURE ABUTMENT 2

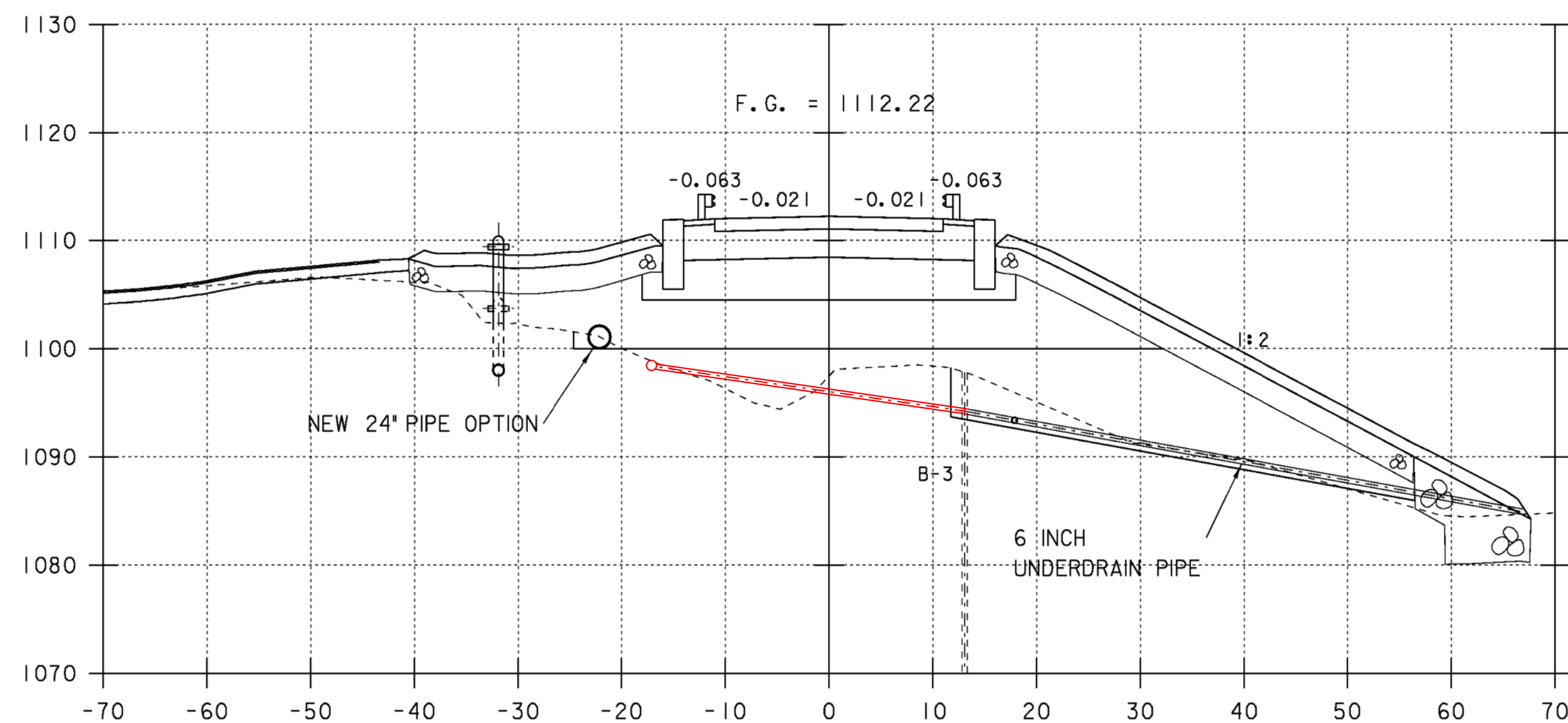
PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246s08.i	PLOT DATE: 06-JAN-2009
PROJECT LEADER: R. WHITCOMB	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: R. WHITCOMB
99J246/str/sj246str.dgn	SHEET 39 OF 58



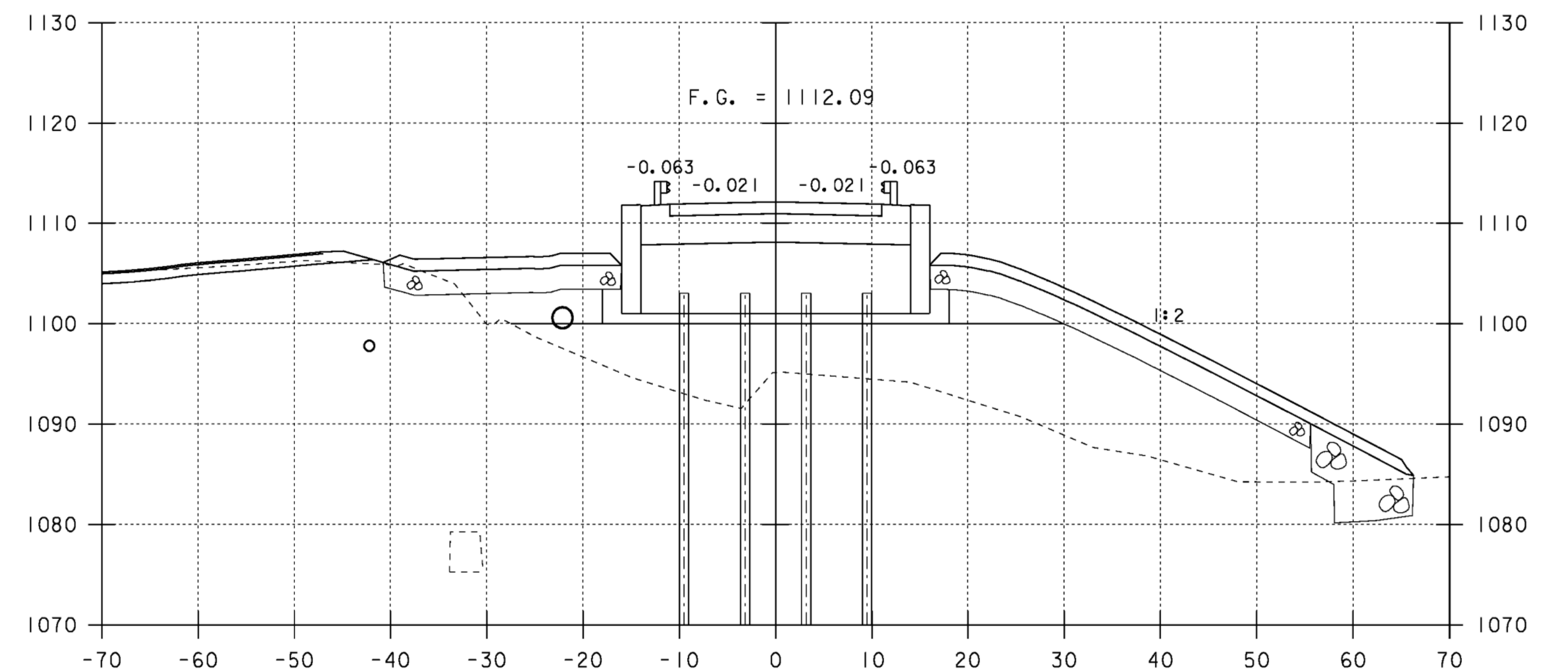
11+00



11+25



10+95



11+01.17

ROADWAY CROSS SECTIONS 2

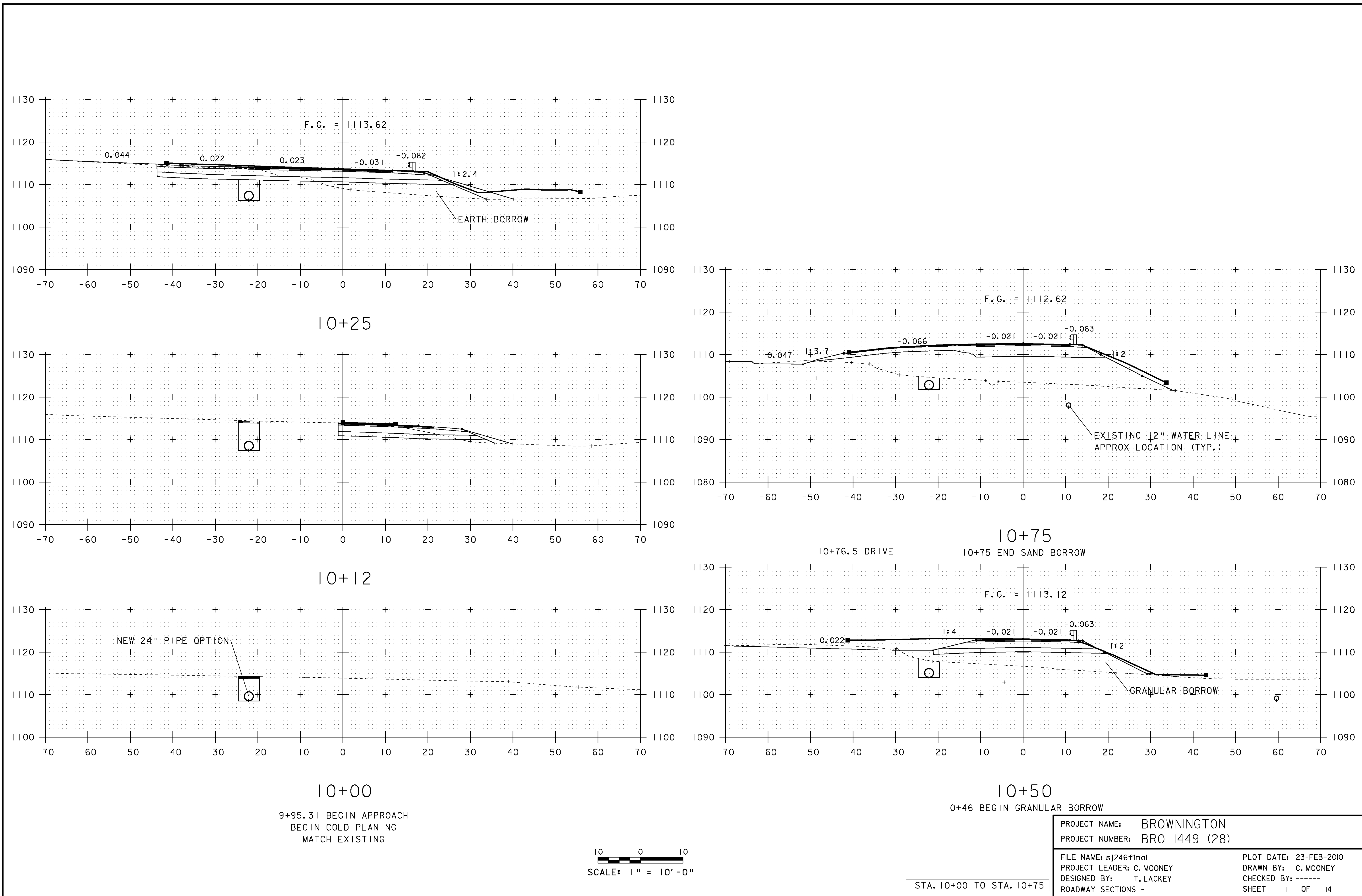
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PROJECT NUMBER: BRO 1449 (28)

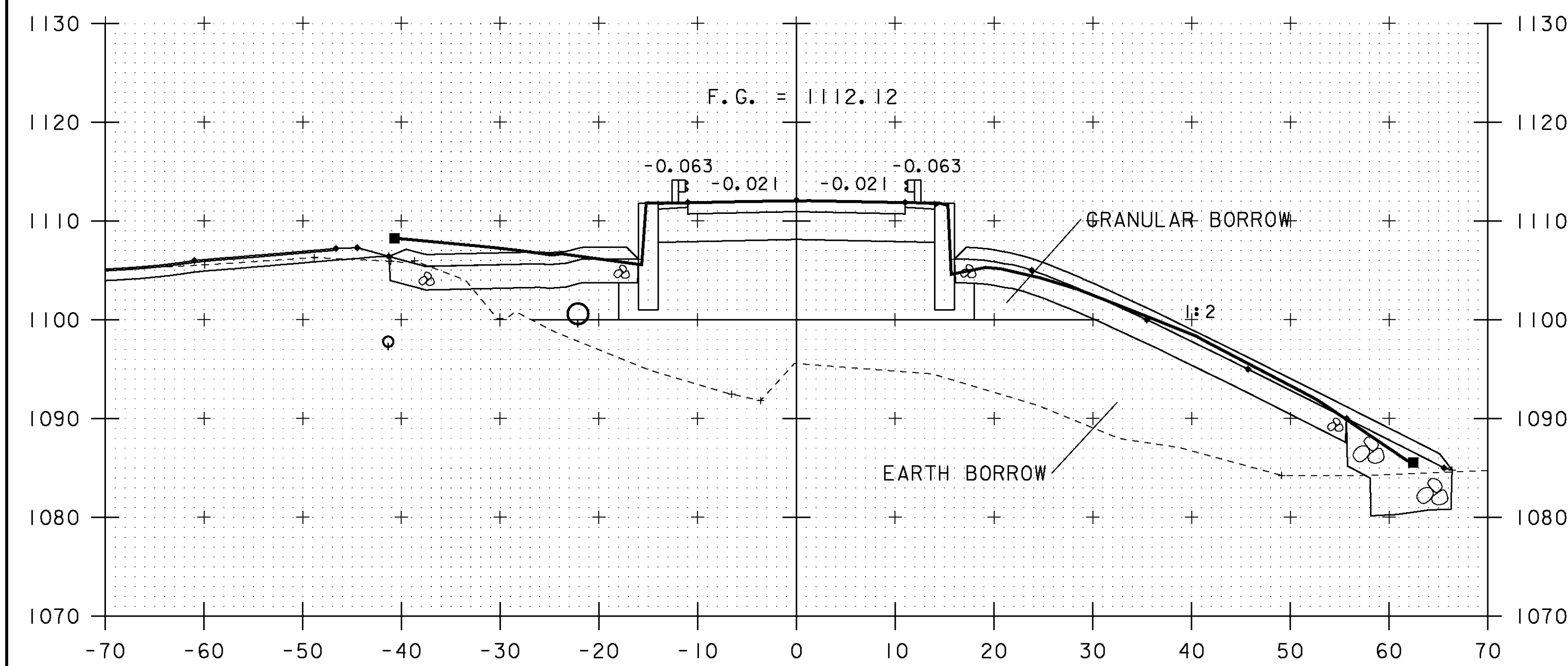
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PROJECT LEADER: R. WHITCOMB
DESIGNED BY: T. LACKEY
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PLOT DATE: 19-DEC-2008
DRAWN BY: T. LACKEY
CHECKED BY: R. WHITCOMB
SHEET 43 OF 58

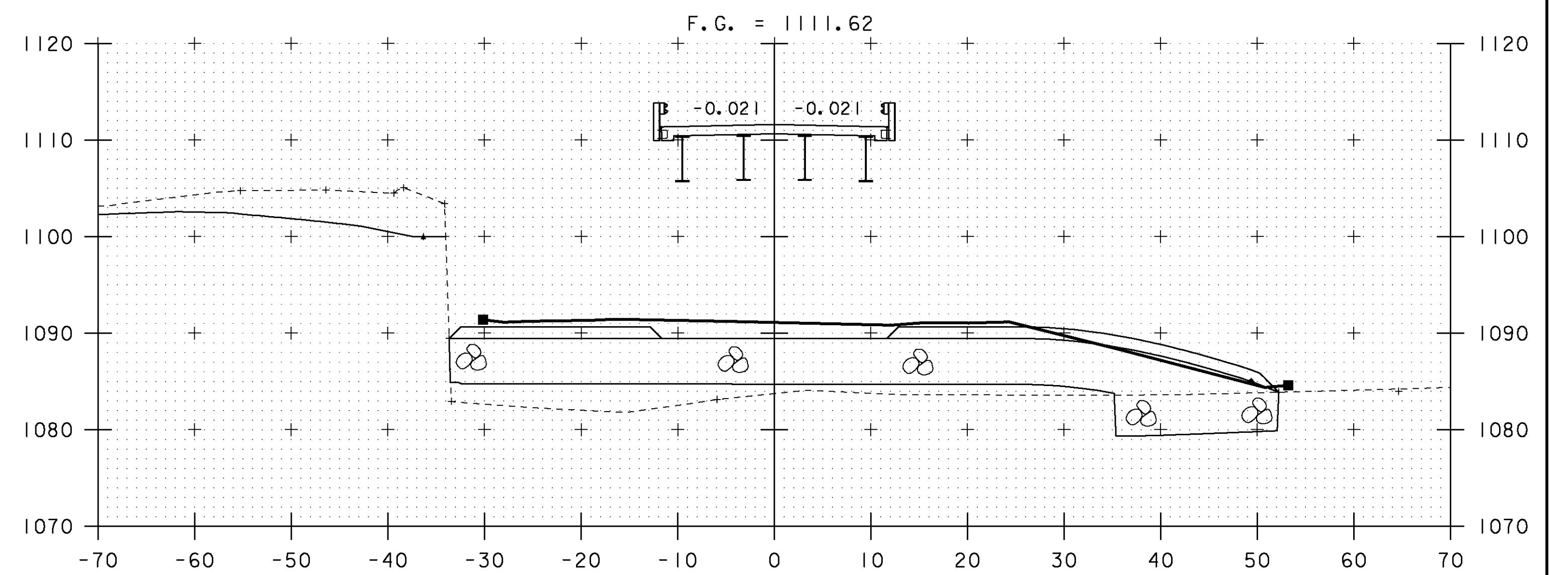
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STA. 10+95 TO STA. 11+25

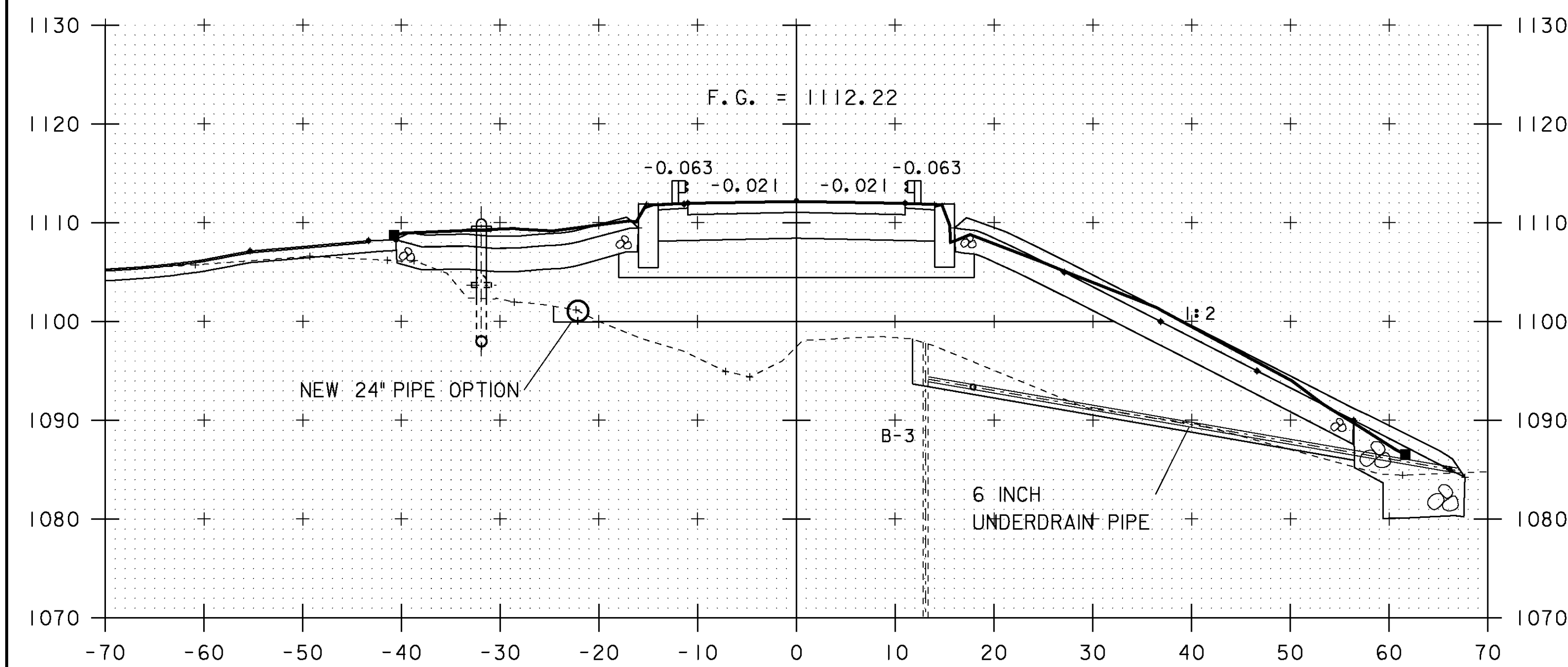




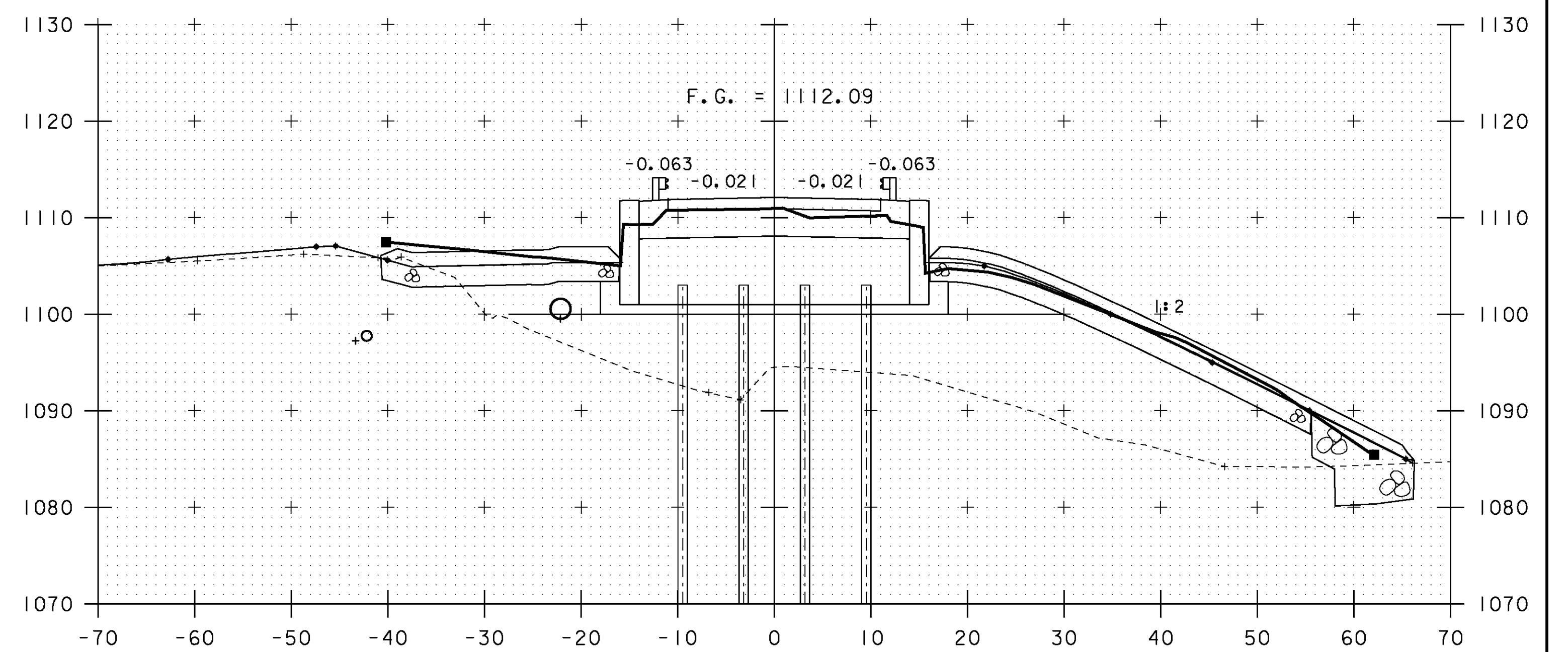
11+00



11+25



10+95



11+01.17 BEGIN BRIDGE

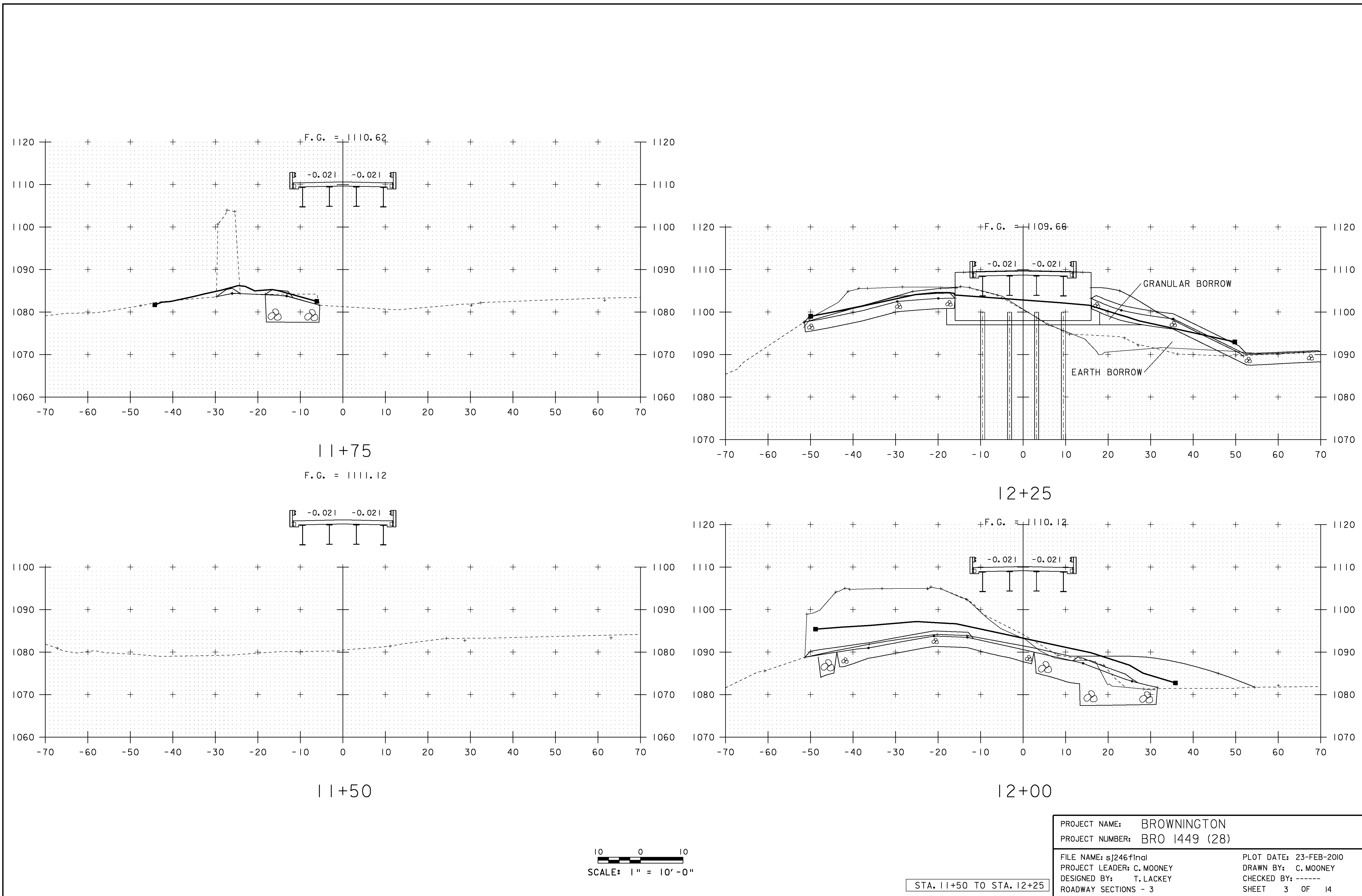
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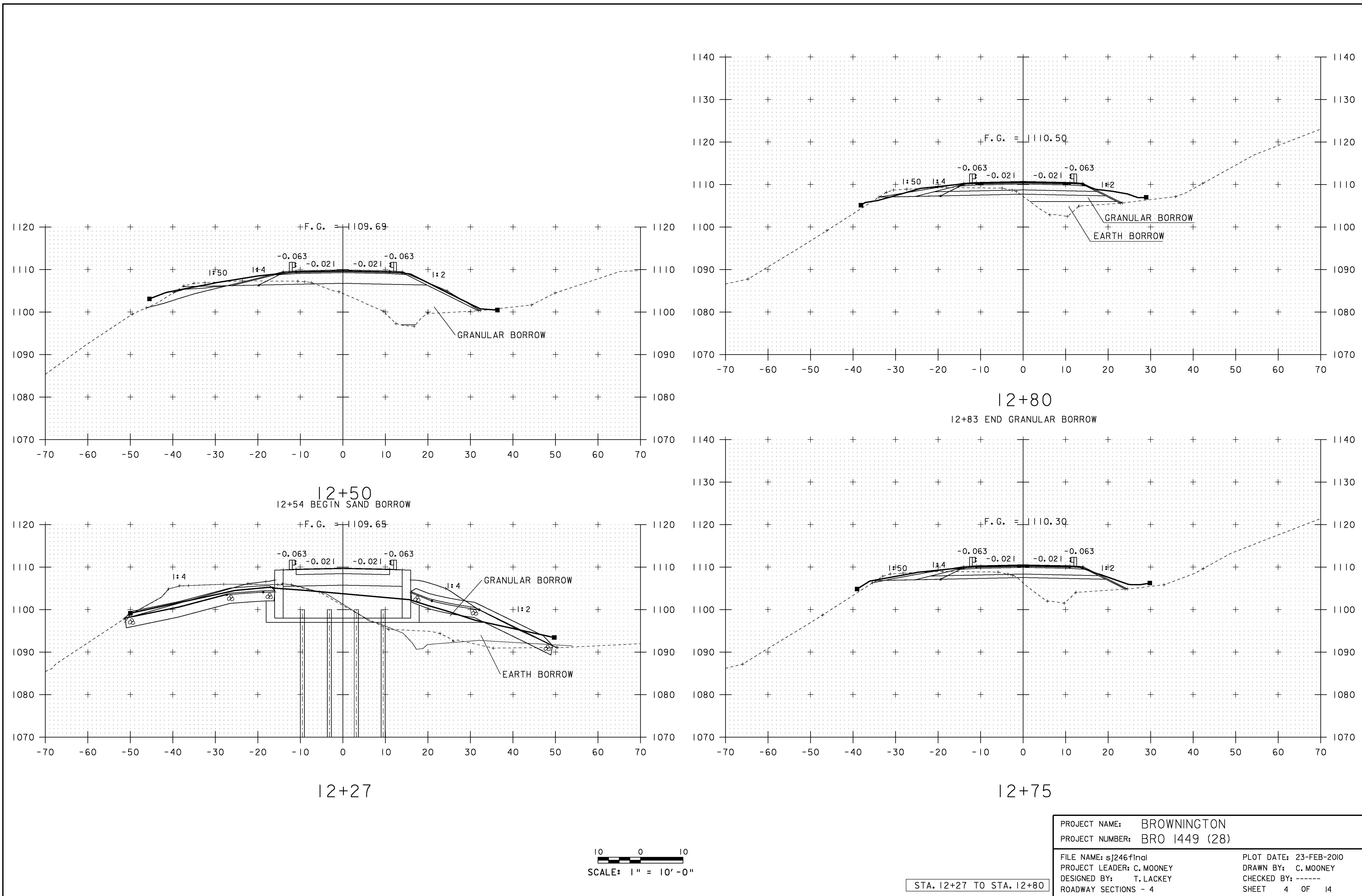
STA. 10+95 TO STA. 11+25

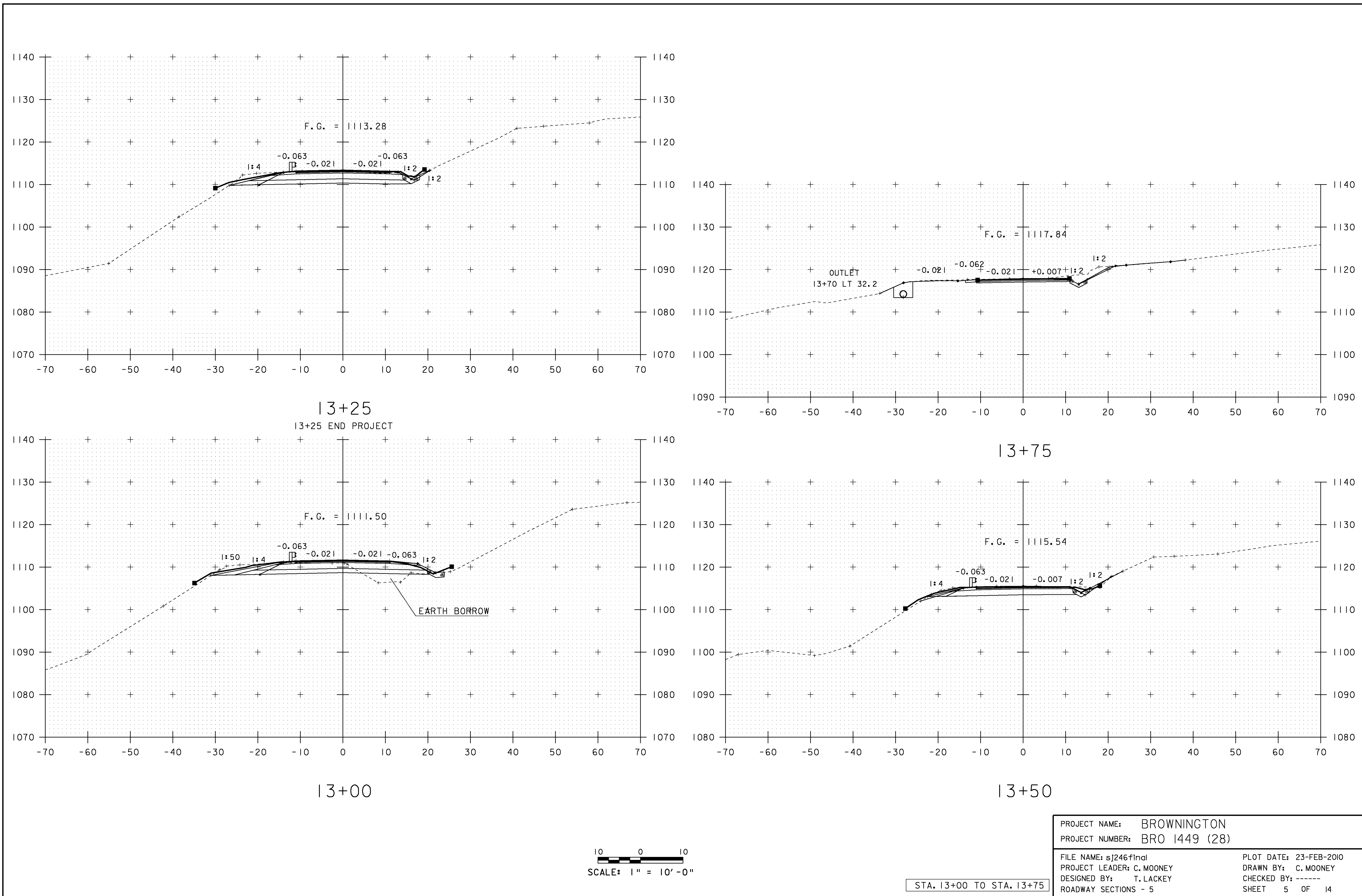
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PROJECT NUMBER: BRO 1449 (28)

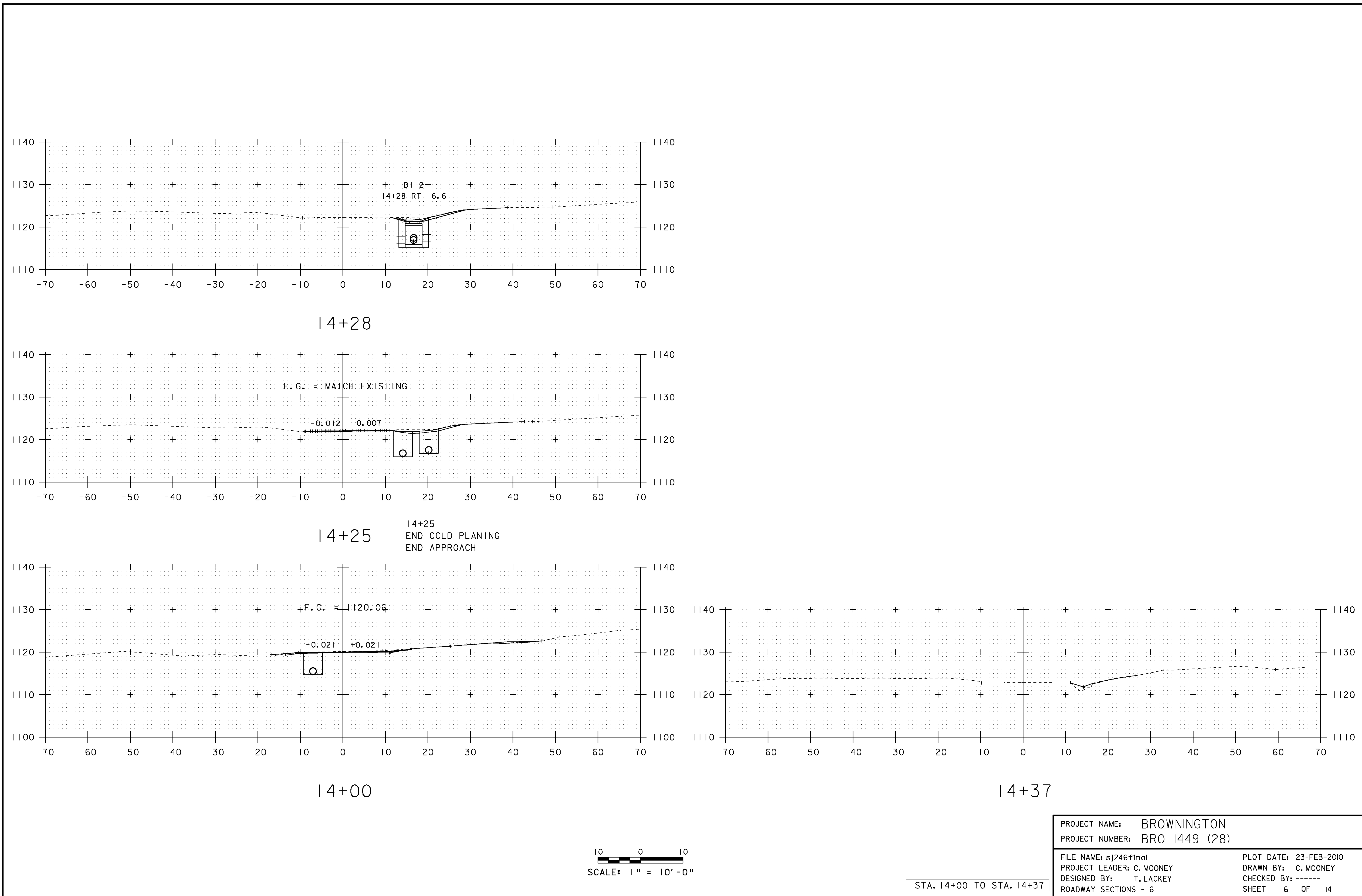
FILE NAME: sj2461.mxd
PROJECT LEADER: C. MOONEY
DESIGNED BY: T. LACKEY
ROADWAY SECTIONS - 2

PLOT DATE: 23-FEB-2010
DRAWN BY: C. MOONEY
CHECKED BY: -----
SHEET 2 OF 14





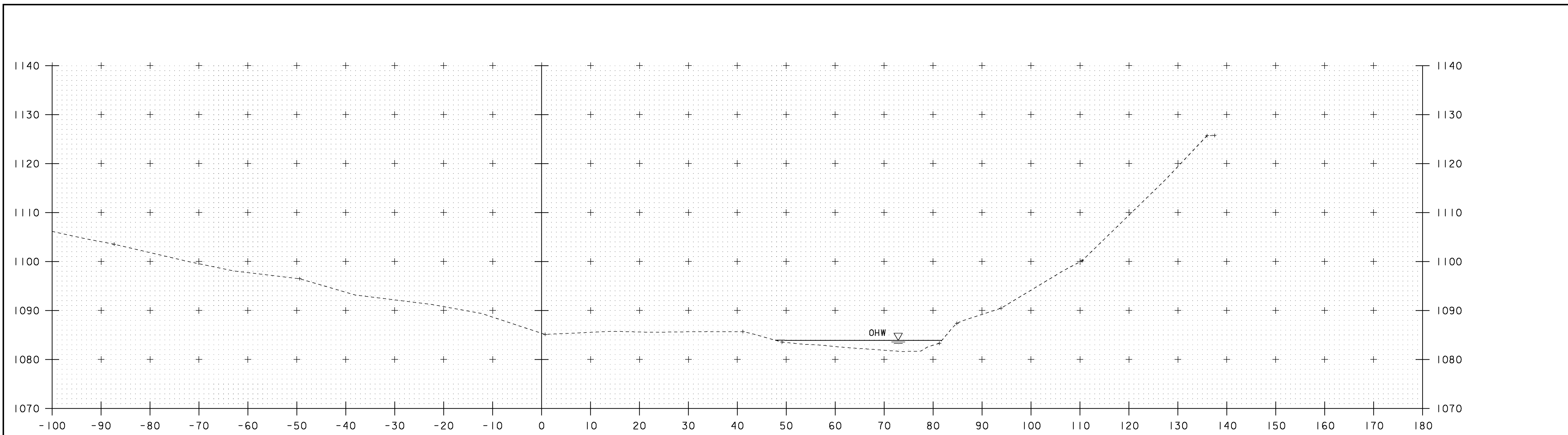




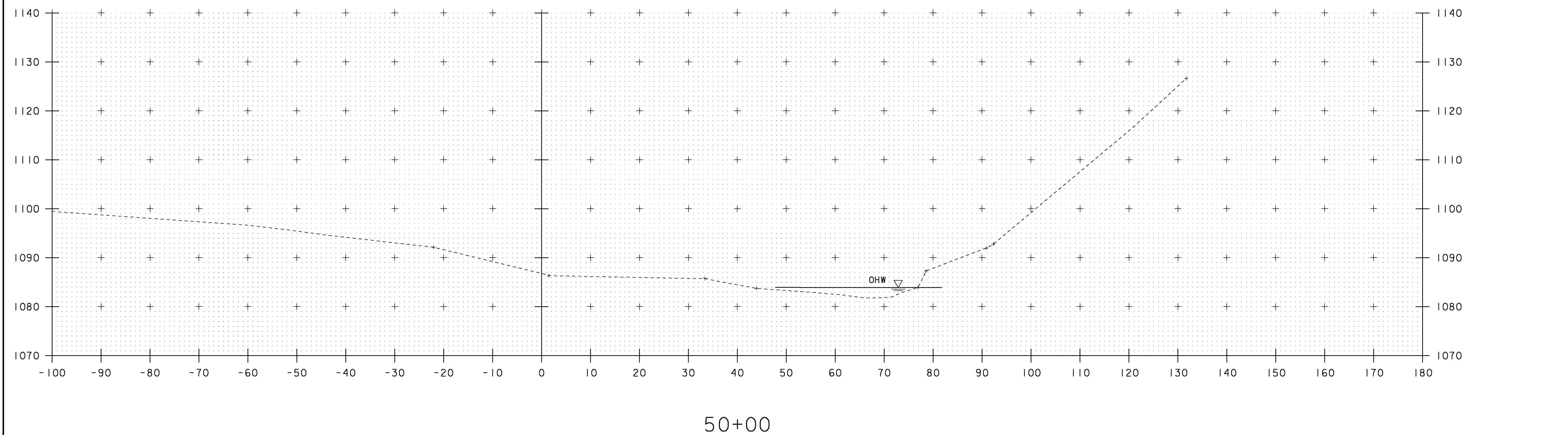
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SCALE: 1" = 10' - 0"

STA. 14+00 TO STA. 14+37

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246final	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
ROADWAY SECTIONS - 6	SHEET 6 OF 14



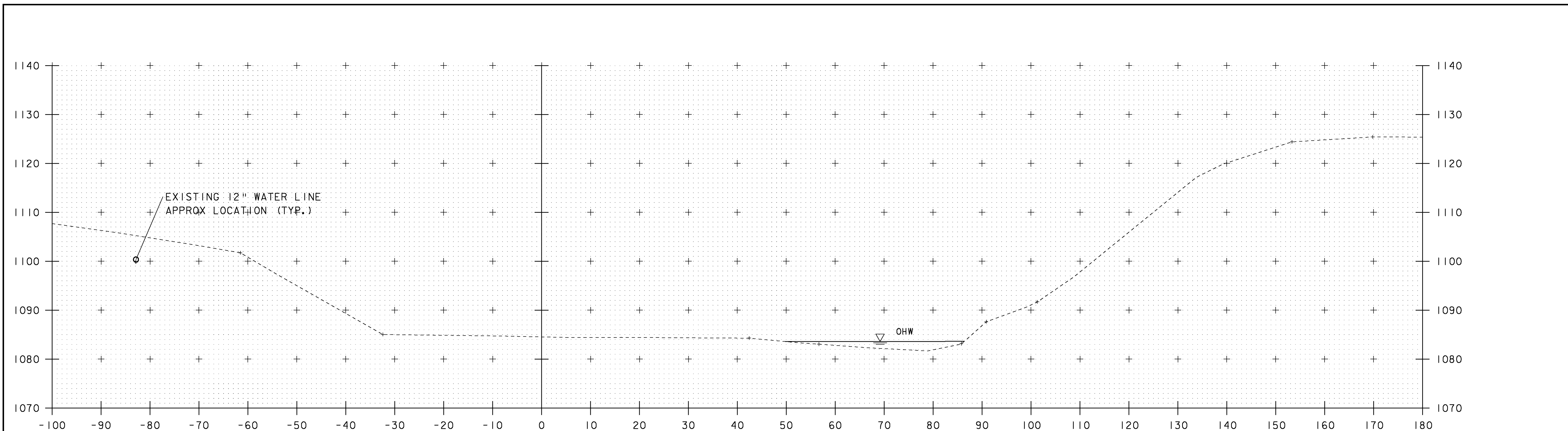
50+25



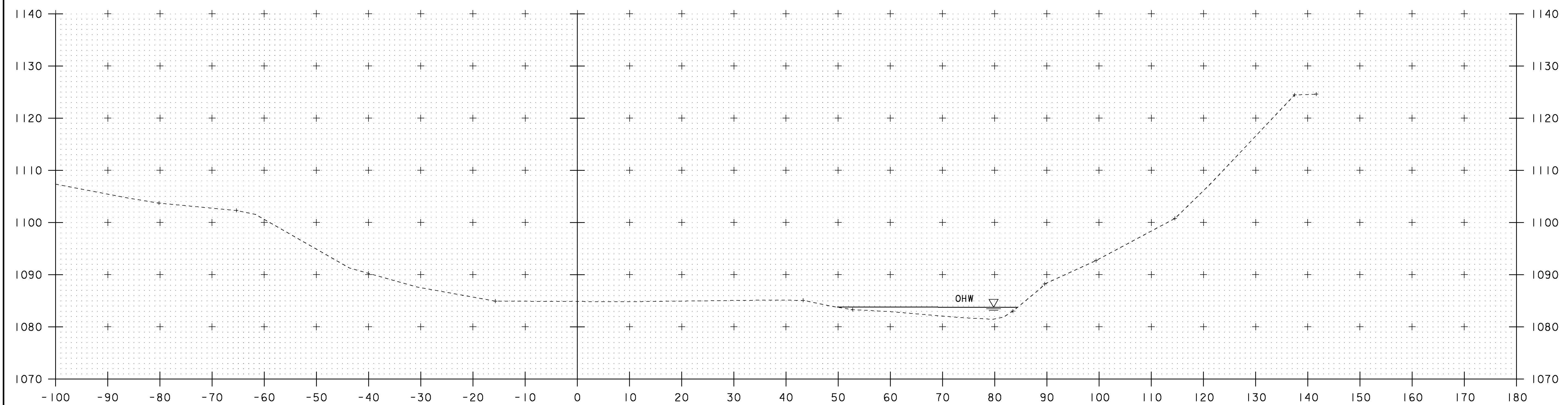
50+00

STA. 50+00 TO STA. 50+25

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj2461.mxd	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 7 OF 14



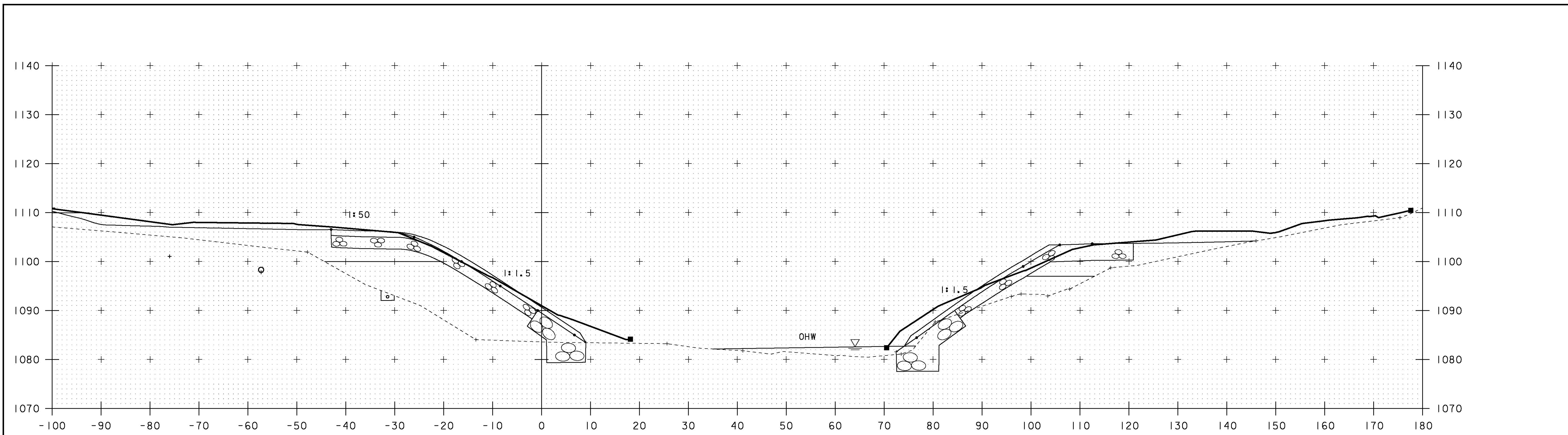
50+75



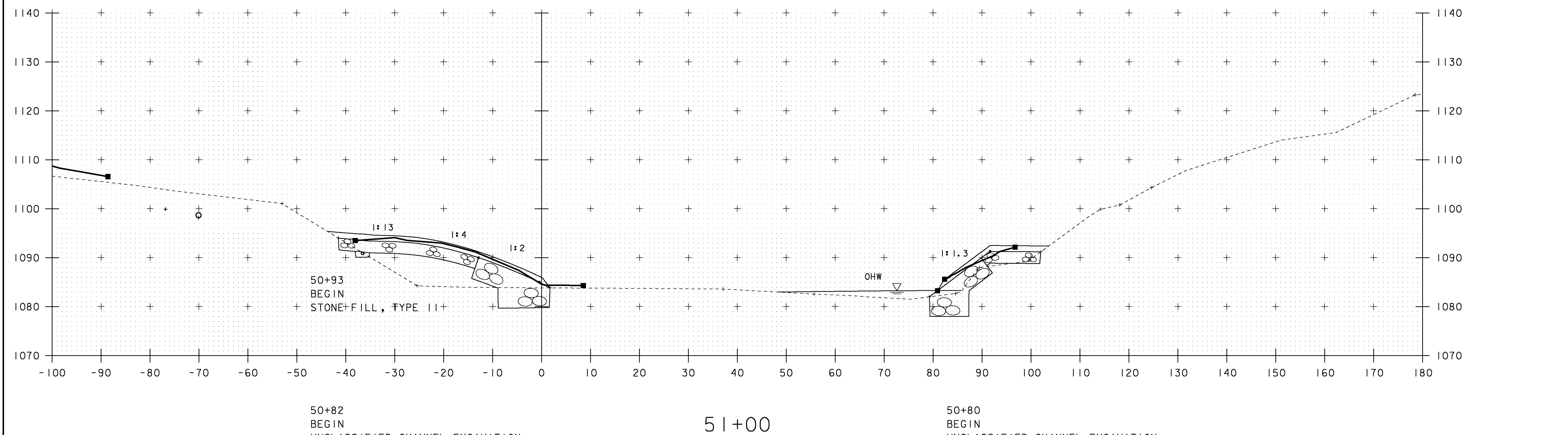
50+50

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj2461.mxd	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 8 OF 14

STA. 50+50 TO STA. 50+75



51+25



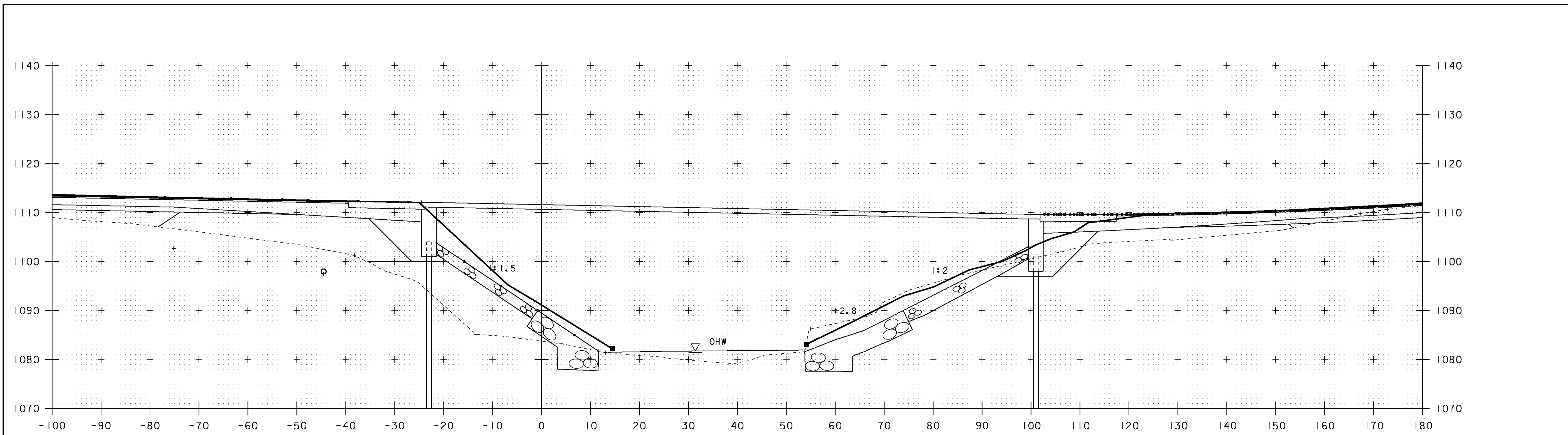
51+00

50+82
BEGIN
UNCLASSIFIED CHANNEL EXCAVATION
STONE FILL, TYPE IV
GEOTEXTILE UNDER STONE FILL
GRUBBING MATERIAL

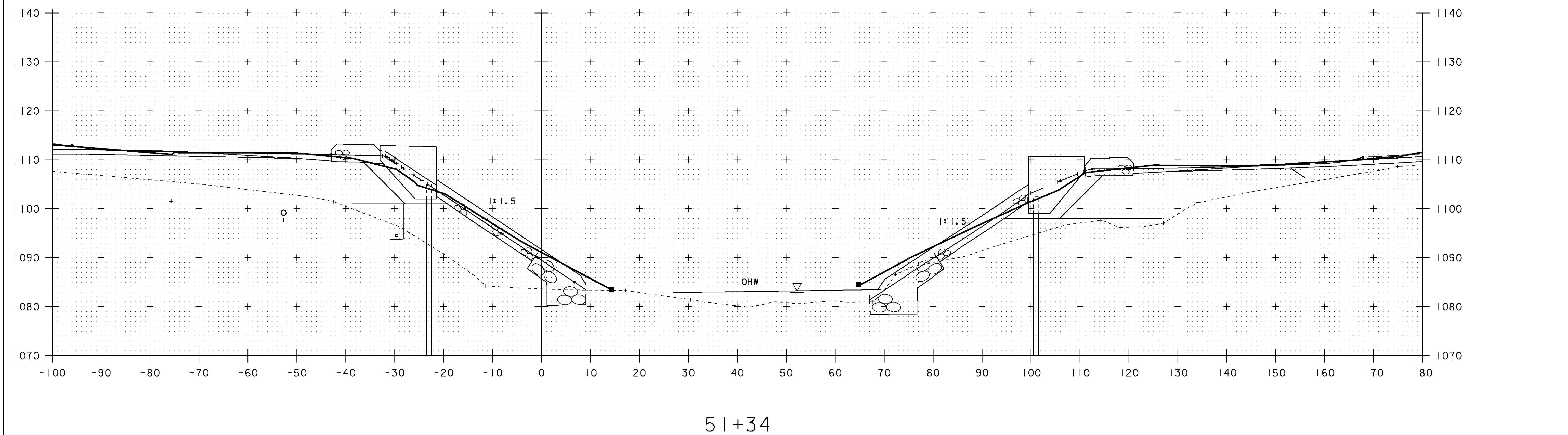
50+80
BEGIN
UNCLASSIFIED CHANNEL EXCAVATION
STONE FILL, TYPE II
STONE FILL, TYPE IV
GEOTEXTILE UNDER STONE FILL
GRUBBING MATERIAL

STA. 51+00 TO STA. 51+25

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246f1nd	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 9 OF 14



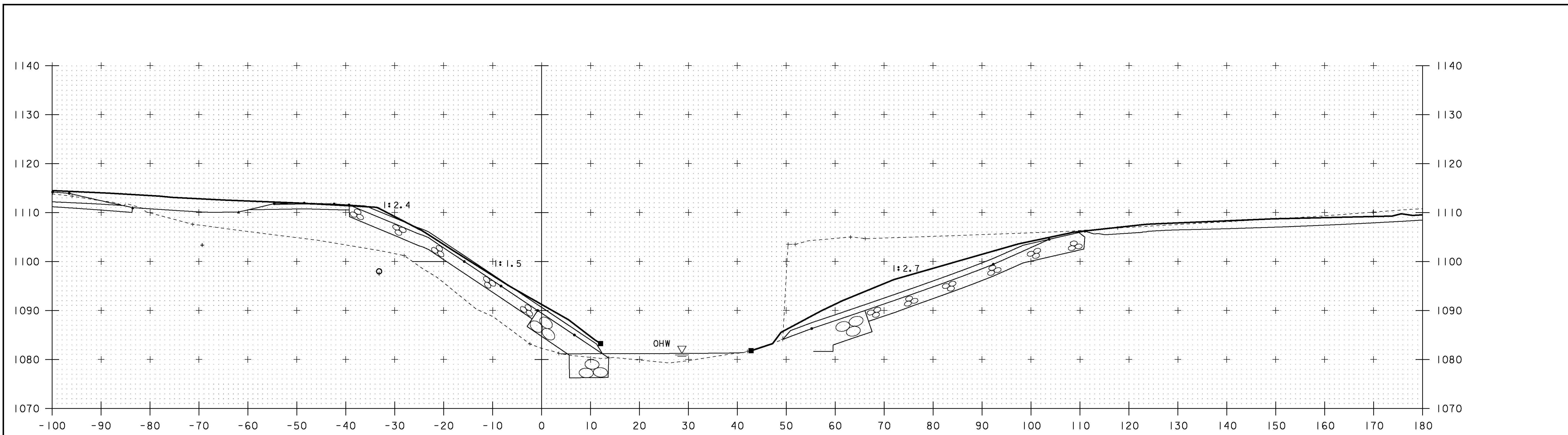
51+50



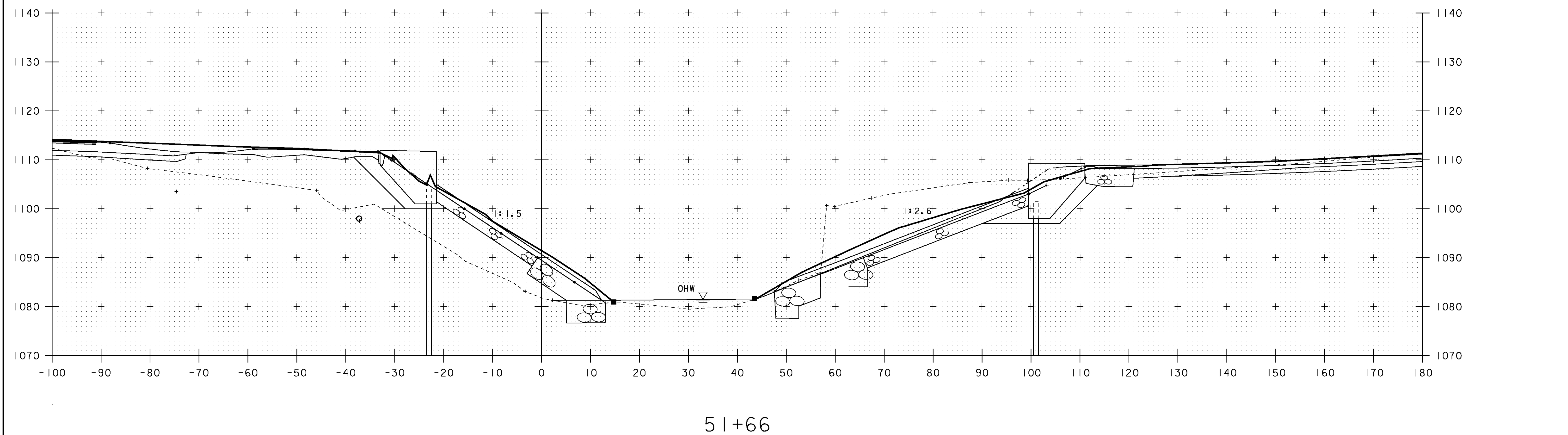
51+34

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246final	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 10 OF 14

STA. 51+34 TO STA. 51+50



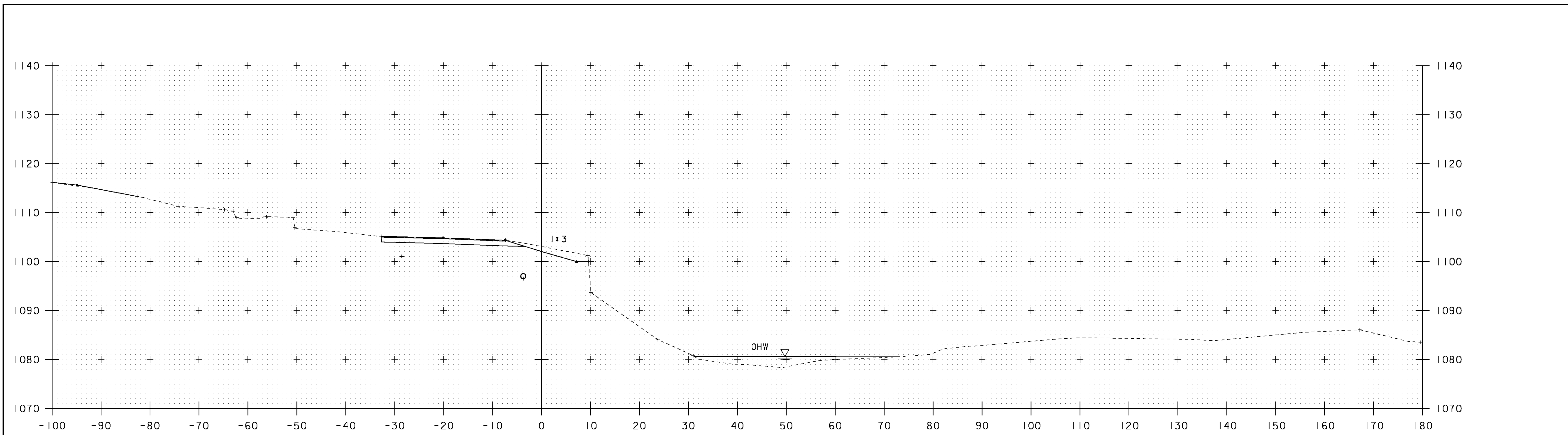
51+75



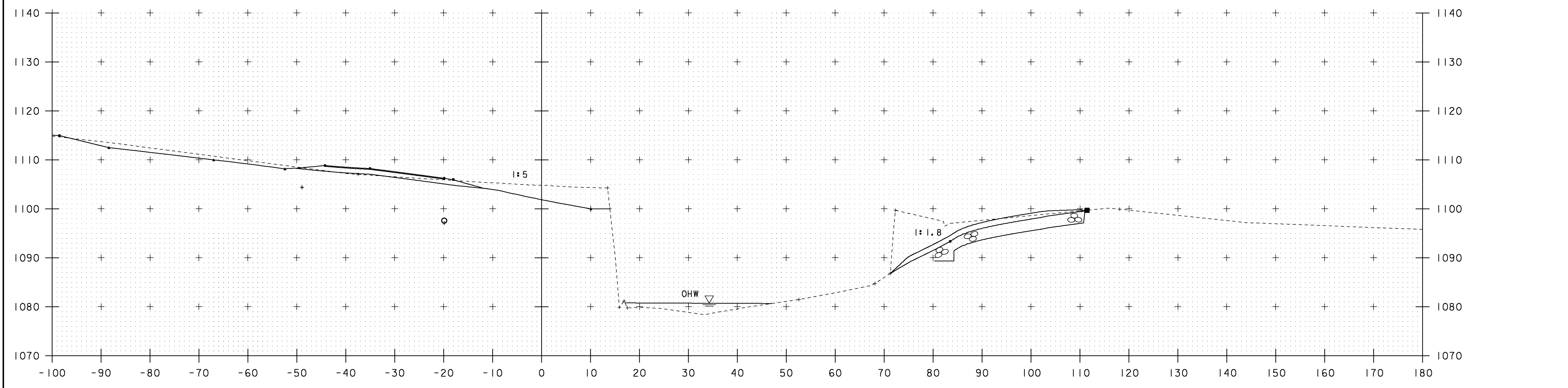
51+66

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246final	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - I	SHEET II OF 14

STA. 51+66 TO STA. 51+75



52+25



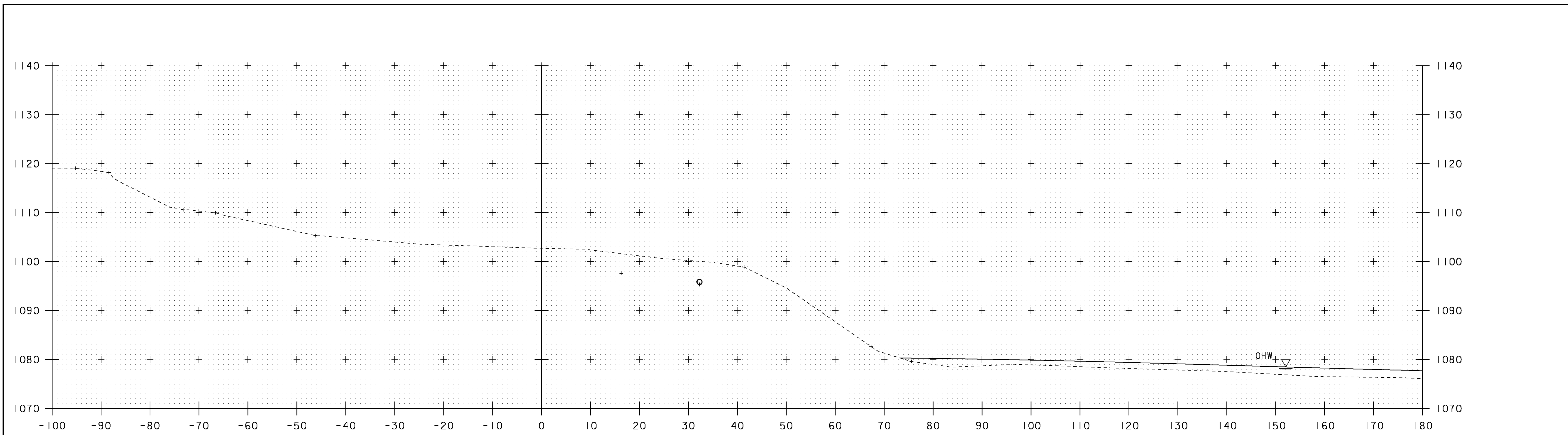
52+00

51+96
END
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STONE FILL, TYPE II
STONE FILL, TYPE IV
GEOTEXTILE UNDER STONE FILL
GRUBBING MATERIAL

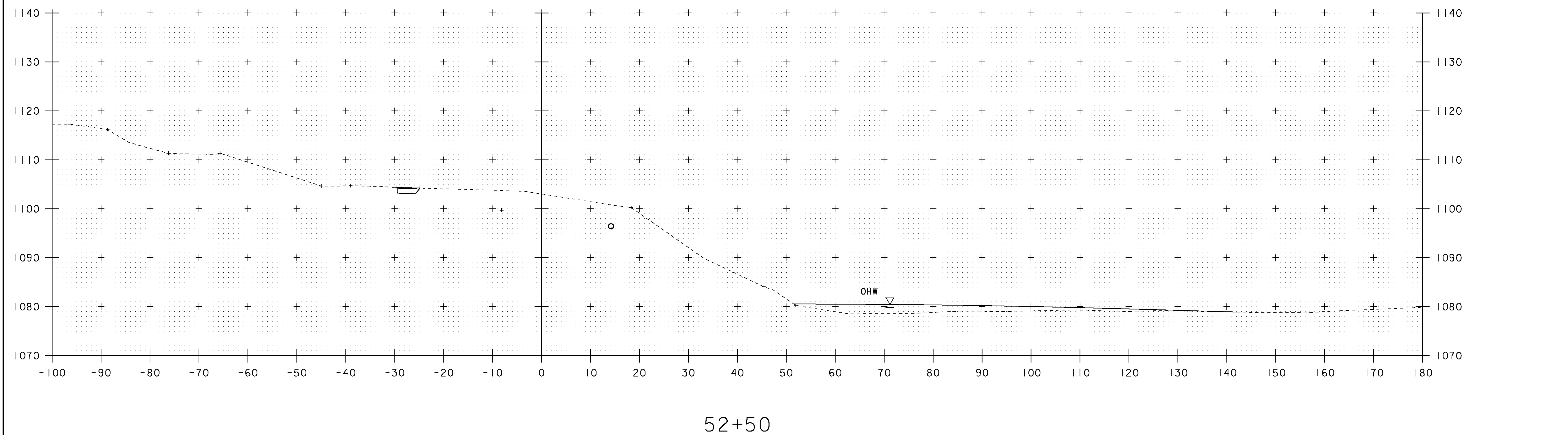
52+02
END
UNCLASSIFIED CHANNEL EXCAVATION
STONE FILL, TYPE II
STONE FILL, TYPE IV
GEOTEXTILE UNDER STONE FILL
GRUBBING MATERIAL

STA. 52+00 TO STA. 52+25

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246f1nd	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 12 OF 14



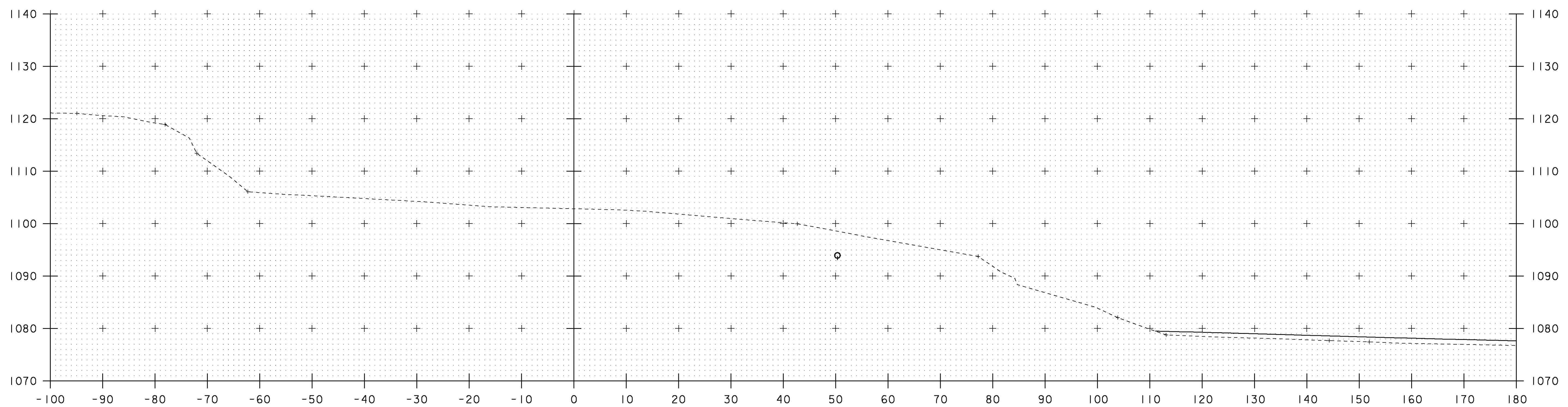
52+75



52+50

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj2461.mxd	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 13 OF 14

STA. 52+50 TO STA. 52+75



53+00

STA. 53+00 TO STA. 53+00

PROJECT NAME: BROWNINGTON	
PROJECT NUMBER: BRO 1449 (28)	
FILE NAME: sj246final	PLOT DATE: 23-FEB-2010
PROJECT LEADER: C. MOONEY	DRAWN BY: C. MOONEY
DESIGNED BY: T. LACKEY	CHECKED BY: -----
CHANNEL SECTIONS - 1	SHEET 14 OF 14

04/29/2009 08:33 FAX 2072821178

CASCO BAY STEEL

0002

Casco Bay Steel Structures, Inc.

5 Industry Road

South Portland, Maine 04106

Fax: (207) 772-0580

Phone: (207) 772-2533

WELDING PROCEDURE SPECIFICATION

Material specification ASTM A36-06-50W (250-345W)
Welding process Shielded Metal Arc Welding (SMAW)
Manual or machine Manual
Position of welding Flat (1F), Horizontal (2F)
Filler metal specification AWS A5.1 - E7018
Filler metal classification E7018 - R01A 5/8 - 7/8
Flux NA
Shielding gas NA Flow rate NA
Single or multiple pass Single and multiple
Single or multiple arc Single
Welding current AC / DC
Polarity STRAIGHT / REVERSE
Welding progression Left AWS SPECIFICATION
Preheat and interpass temperatures Preheat AWS SPECIFICATION
Postheat temperature NA
Heat Input: Min NA Max NA

VTADJ
Brownington
8/28/08 Proj BR044962
CBSS-396

WELDING PROCEDURE

(Metric)		Welding current		Travel speed	Joint detail
Pass no.	Electrode size	Amps	Volts		
AS REQ	<u>7018</u> 1/8 (3-2)	70-170	22-26	AS REQ	AWS D1.5 1F Fillet
	5/32 (3-9)	120-225	22-26		
	3/16 (4-8)	170-300	24-27		
	<u>7018</u> 1/8 (3-2)	90-160	22-26		
AS REQ	5/32 (3-9)	120-225	22-26	AS REQ	AWS D1.5 2F Fillet
	3/16 (4-8)	180-290	24-27		
	<u>7018</u> 1/8 (3-2)	170-270	22-26		
	5/32 (3-9)	210-330	24-27		

This procedure may vary due to production sequence, fit-up, pass size, etc., within the limitation of variables given in applicable codes or contract specifications

Procedure no. 401 Contractor Casco Bay Steel
Revision no. TRANS Authorized By Paul E. Woodale
Form title RECEIVED Date 3/2/00
ORD BY TWC OK'D BY TWC

MAY 1 2009

REVISION APPROVED

75 Spring Hill Road
Saco, Maine 04072

Phone: (207) 282-7360

Fax: (207) 282-1179

WELDING PROCEDURE SPECIFICATION

Material specification ASTM A209 - Gr 36-50-50W / A209M - Gr 250-345-345W
Welding process Submerged arc welding (SAW)
Manual or machine Machine
Position of welding Flat
Filler metal specification AWS A5-23
Filler metal classification E802-E81K-Ni1
Flux Lincoln 760 with LA75 Elec. - Elec Ex.
Shielding gas Ar Flow rate Ar
Single or multiple pass
Welding current
Polarity DC EN
Welding progression See details
Root treatment Wire brush and take free of loose scale, slag, rust and moisture
Preheat and interpass temperature 20° (36) 10 (50) 20 (36) 10 (50) 20 (36) 10 (50) 20 (36) 10 (50)
Postheat temperature NA
Heat input Min 41.1 Max 64.5 PQR-FCM 3A-5B.7K.9m

WELDING PROCEDURE

Pass no.	Electrode size	Welding current		Travel speed
		Amps	Volts	
		597	295	18 IPM
	5/32	547	27	16
		70	30	16
		627	31	21

Side - 1

This procedure may vary due to fabrication sequence, fit-up, pass size, etc., within the limitation of variables given in applicable A.W.S. codes or contract specifications.

Procedure no. 202

Revision no. 1-Rev 02

Form 11-2

Contractor Casco Bay Steel

Authorized By Paul E. [Signature]

Date 12-6-06

RECEIVED

OK'D BY JWC

OK'D BY JWC

MAY 1 2009

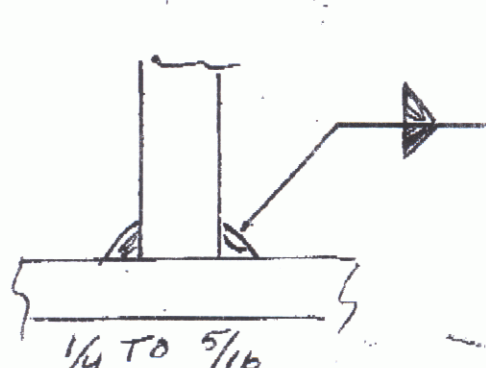
RESUBMIT APPROVED

WELDING PROCEDURE SPECIFICATION

Material specification ASTM A 572 Gr 50 - 345-425
Welding process Submerged Arc Welding (SAW)
Manual or machine Machine
Position of welding Flat 1F - Horizontal 2F
Filler metal specification AWS A5-23 E6010-EN1-11
Filler metal classification Lincoln LA 70 E6010-EN1-11
Flux Lincoln 960
Shielding gas Ar Flow rate Ar
Single or multiple pass Single and Multiple Pass
Single or multiple arc Single
Welding current DC
Polarity DCEN
Welding progression See Joint Detail
Root treatment As per AWS Specification
Preheat and interpass temperature 74-50, 74 to 150, 150 to 225, 225 to 275
Postheat temperature Ar
Heat Input Min 30 KJ/in Max 40 KJ/in per FCM 42.8 KJ/in

WELDING PROCEDURE

Pass no.	Electrode size	Welding current		Travel speed
		Amperes	Volts	
1	3/32	293	32	13 IPM
		264	30	11
		70	70	70
		322	34	15



VTADT
Brownington
AWS-Prj BR044962E
CBSS-396

This procedure may vary due to fabrication sequence, fix-up, pass size, etc., within the limitation of applicable A.W.S. codes or contract specifications

Procedure no. 250 Contractor Casco Bay Steel
Revision no. 1 new PQR Authorized By Paul C. Fernald
Form III-2 TRANS Date 11-1-06
RECEIVED

Casco Bay Steel Structures, Inc.

75 Spring Hill Road
Saco, Maine 04072

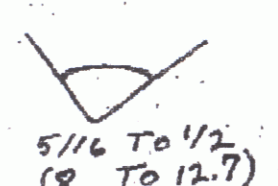
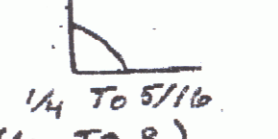
Phone: (207) 282-7360

Fax: (207) 282-1179

WELDING PROCEDURE SPECIFICATION

Material specification ASTM A709 Gr 50-50W (250-345-245W)
Welding process Submerged Arc Welding - AUTO (GAW)
Manual or machine Machine
Position of welding Flat (F) Horizontal (H)
Filler metal specification AWS A5.17-A5.23
Filler metal designation ER70S-B2H11-LINCOLN
Filler 940 Flux-Lincoln Weld-LA-75 Electrode
Shielding gas Ar Flow rate N/A
Single or multiple pass both
Single or multiple arc single
Welding current Direct
Polarity Reverse Electrode Positive
Welding progression Meet AWS Specification
Preheat and interpass temperature To 34 (19) to 40 (40) 32 (19) to 40 (40) 30 (19) to 40 (40) 28 (19) to 40 (40) 26 (19) to 40 (40) 24 (19) to 40 (40) 22 (19) to 40 (40) 20 (19) to 40 (40) 18 (19) to 40 (40) 16 (19) to 40 (40) 14 (19) to 40 (40) 12 (19) to 40 (40) 10 (19) to 40 (40) 8 (19) to 40 (40) 6 (19) to 40 (40) 4 (19) to 40 (40) 2 (19) to 40 (40) 0 (19) to 40 (40) over 2 1/2 (63.5) - 2.25 (56.5)
Postheat temperature Ar
Heat Input Min 41.65 Max 45.45 POR 1-59.5 V.T.A.C.T.
Brownington
Ar 75-Arg 8R04449624
C085-376

WELDING PROCEDURE

Pass no.	Electrode size	Welding current		Travel speed	Joint detail
		Amps	Volts		
5/32	605	29.5	18.5	AWS D1.5 1F	 5/16 To 1/2 (8 To 12.7)
	544.6 To	27.4 To	15.3 To		
	665.5	31.56	20.7		
3/9	MAT'L	29.5	459.2	2F	 1/4 To 5/16 (6 To 8)
	605	27.4 To	884.6 To		
	665.5	31.56	525.8		

This procedure may vary due to fabrication sequence, fit-up, pass size, etc., within the limitation of variables given in applicable A.W.S. codes or contract specifications.

Procedure no. 201 Contractor Casco Bay Steel
Revision no. 1 Authorized By Paul E. Hoodale
Date 3/2/00

OK'D BY Paul E. Hoodale OK'D BY Paul E. Hoodale

MAY 1 2009

RESUBMIT APPROVEDDATE 6/1/09

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS

- 1). ALL MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006 WITH LATEST REVISIONS AND THE SPECIAL PROVISIONS.

MATERIAL SPECIFICATIONS

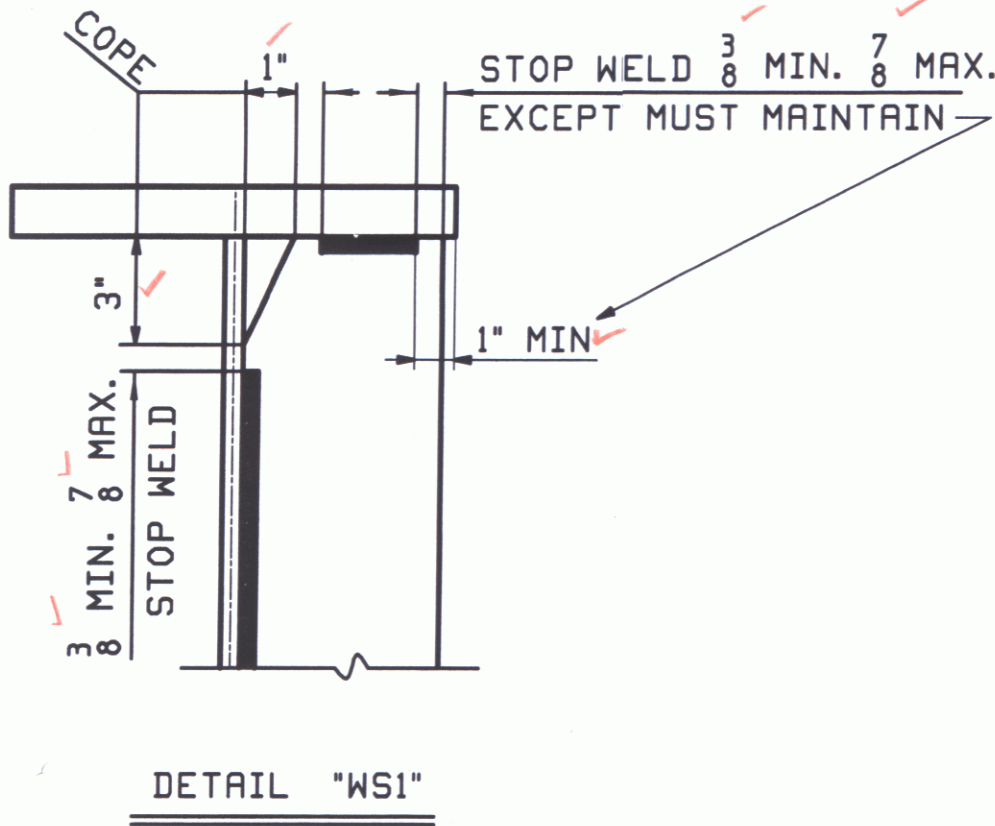
- 1). UNLESS OTHERWISE NOTED, ALL STEEL TO BE AASHTO M270M/M270, GRADE 50W. (UNPAINTED)
- 2). MATERIAL NOTED "CVN" OR "H2-3" ON DETAIL DRAWINGS SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF VERMONT STANDARD SPECIFICATIONS SECTION 714.01.
- 3). HIGH STRENGTH BOLTS: AASHTO M164 7/8" DIAMETER TYPE 3 IN 15/16" DIAMETER HOLES, UNLESS NOTED OTHERWISE. BOLTS & NUTS SHALL BE ROTATIONAL CAPACITY TESTED. DO NOT MIX NUTS & BOLTS FROM DIFFERENT CONTAINERS UNLESS ALL BOLTS & NUTS HAVE THE SAME LOT NUMBER.

FABRICATION

- 1). ALL HOLES SHALL BE PUNCHED OR DRILLED FULL SIZE (UN).

WELDING

- 1). THE CONFIGURATION OF THE WELD JOINTS AND ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO/AWS D1.5-02 BRIDGE WELDING CODE AND IN ADDITION TO SPECIFICATIONS SHOWN ABOVE. ALL WELDING WILL BE DETAILED TO PRE-QUALIFIED JOINTS, UNLESS PROHIBITED BY THE DESIGNER.
- 2). WELDING OF MAIN LOAD CARRYING MEMBERS AND ATTACHMENTS SHALL BE PERFORMED USING THE AUTOMATIC SUBMERGED ARC & SHIELDED METAL ARC PROCESSES. ALL WELDS ARE CONTINUOUS U.N.
- 3). NON DESTRUCTIVE TESTING OF WELDS SHALL BE IN ACCORDANCE WITH THE REFERENCED SPECIFICATION.
- 4). SEE DETAIL "WS1" ON THIS DRAWING FOR WELD TERMINATION DETAIL.



CLEANING & PAINTING:

- 1). ALL STEEL SHALL BE BLAST CLEANED AS PER SSPC-SP-10 PER SPEC. 506.14(a)
- 2). ALL STEEL SHALL BE UNPAINTED.

FIELD CONNECTIONS

- 1). ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER HIGH STRENGTH AASHTO M164 BOLTS (UN), INSTALLED PER SECTION 506.19(c). SEE DWG E1 FOR FIELD BOLT SIZES.
- 2). BOLTS SHALL HAVE HEAVY HEX NUT, HEX HEAD, AND AT LEAST ONE FLAT WASHER EACH. WASHER TO BE PLACED UNDER TURNED ELEMENT.
- 3). PIECE MARKS WILL BE LOCATED AS SHOWN ON ERECTION DRAWINGS.

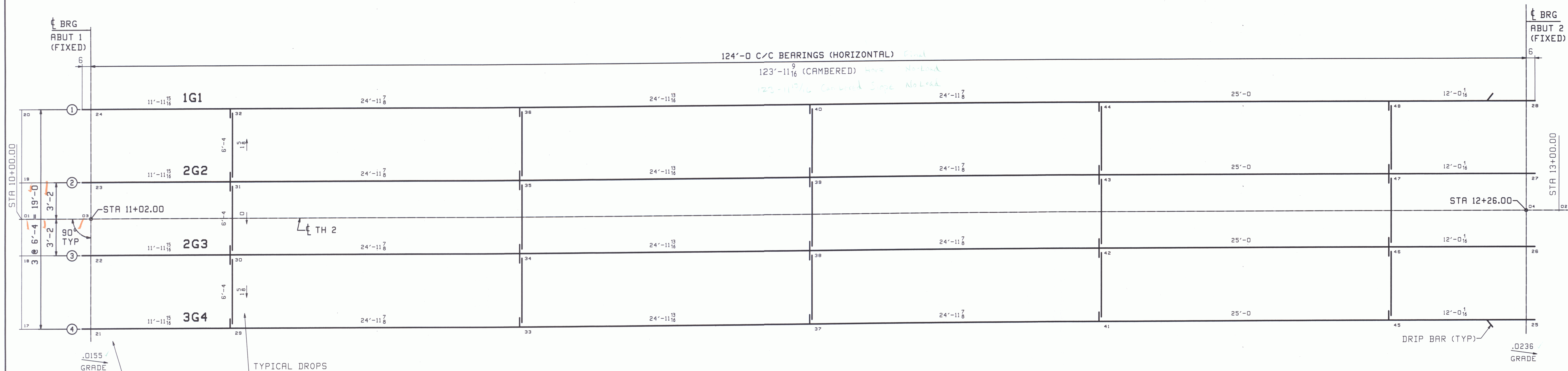
NOTE TO ENGINEER:
THESE NOTES ARE NOT INTENDED TO BE ALL INCLUSIVE AND COMPLIANCE WITH RELEVANT SPECIFICATIONS REMAIN UNCHANGED.

STRUCTURES COPY

RECEIVED
CK'D BY: CAM OK'D BY: JHL
MAY 1 2009
RESUBMIT APPROVED AS NOTED
BY: Rlw DATE 5-12-09

0					APR 22 2009	
REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:
DESCRIPTION: GENERAL NOTES						
CASCO BAY STEEL STRUCTURES, INC. 75 SPRING HILL ROAD SACO, MAINE 04072 PHONE (207) 282-7360 FAX. (207) 282-1179						
STRUCTURE:		TOWN HIGHWAY #2 OVER WILLOUGHBY RIVER BRIDGE NO. BR 8 TOWN OF BROWNINGTON COUNTY OF ORLEANS, VERMONT CONTRACTOR: AUSTIN CONSTRUCTION		DRAWN: LWD CHKD: PCP		DATE: 03/10 04/16
LOCATION:			Town of Brownington		JOB NO.	DWG NO.
PROJ NO.			BR0 1449 (2B)		396	GN1
CUSTOMER:			VERMONT ROT		REV.	△

PCP Tue, Apr 21, 2009 03:18:55 PM c:\user\john\282\282E\A01 Rev 0



CALCULATION PLAN

Grade Slope = -0.0196
Full DL Slope $\approx \frac{2.46'' - 1.90''}{12.4' \times 12'} = +0.0038$
Actual Camber @ 12.4' = 2.46"
Full DL Defl. @ 12.4' = 1.90"
Grade Slope = Full DL Slope = -0.0158

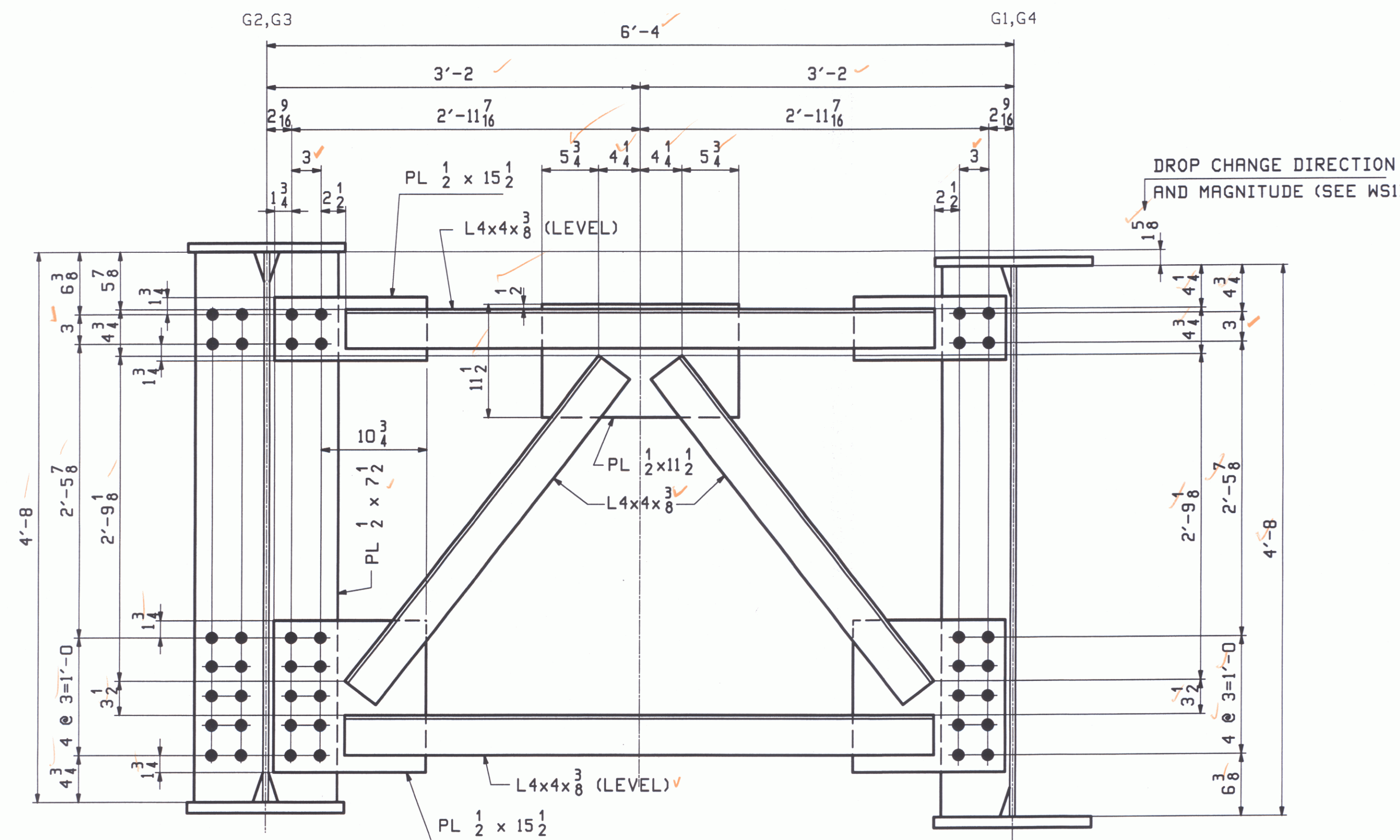
**** NOTE ****
THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS DWG IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION.

- NOTES
1. LONGITUDINAL DIMENSIONS ARE SLOPING ALONG BOTTOM OF WEBS WITH CORRECTIONS MADE FOR DL CAMBER & VERT. CURVE (UN).
 2. TRANSVERSE DIMENSIONS ARE IN A HORIZONTAL PLANE (UN).
 3. ARROW POINTS TOWARD LOW END OF MEMBER.
 4. ENDS OF GIRDERS ARE VERTICAL AFTER DL ROTATION.
 5. CROSSFRAME STIFFENERS ARE NORMAL TO GRADE.
 6. BOTTOM POINT NUMBERS = TOP POINT NUMBERS + 100
 7. FOR LAYOUTS SEE DRAWING TDI.

0		APR 22 2009	
REV.	DATE	REMARKS	DWN CHK APVL SHOP
MATERIAL: M270-50W		SURFACE PREP. & PAINT: SEE GNI	HOLES: 15/16" Ø
DESCRIPTION: CALCULATION PLAN		SHOP BOLTS: NONE	
CASCO BAY STEEL STRUCTURES, INC. 75 SPRING HILL ROAD SACO, MAINE 04072 PHONE (207) 282-7360 FAX. (207) 282-1179			
STRUCTURE: TOWN HIGHWAY #2 OVER WILLOUGHBY RIVER BRIDGE NO. BR 8 TOWN OF BROWNINGTON COUNTY OF ORLEANS, VERMONT CONTRACTOR: AUSTIN CONSTRUCTION		DRAWN: LWD CHKD: PCP	DATE: 03/10 04/16
LOCATION: Town of Brownington		JOB NO. 396	DWG NO. WS1
PROJ NO. BRO 1449 (28)		REV.	
CUSTOMER: VERMONT AOT			

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MAY 1 2009
RESUBMIT APPROVED
BY PRL DATE 5-12-09



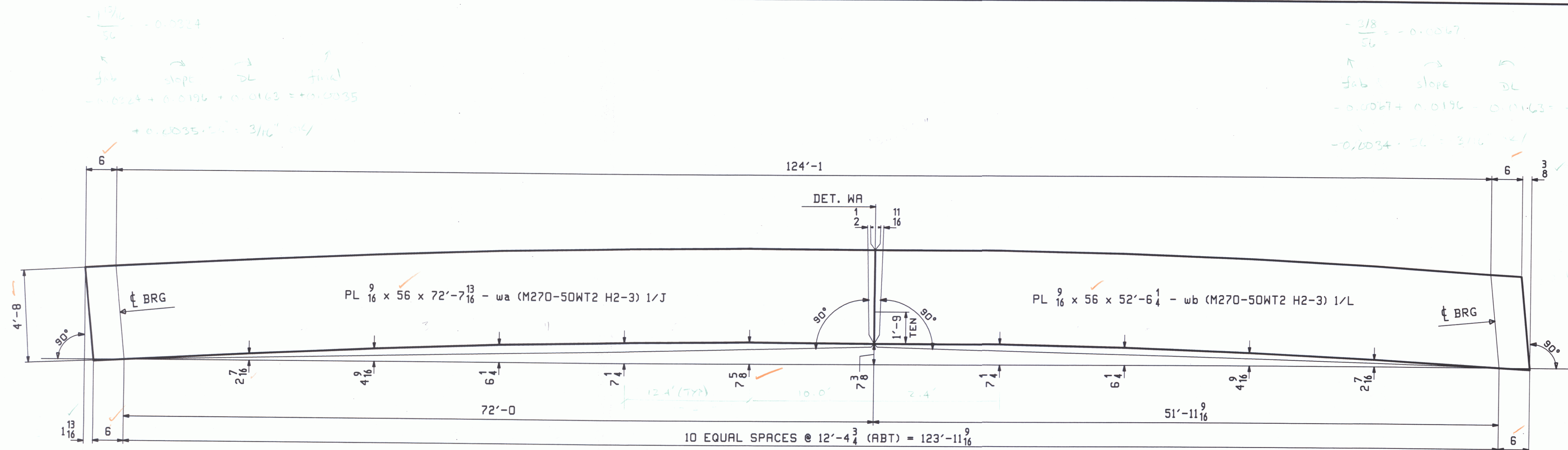


TYPICAL INT. CROSSFRAME
LOOKING BACK STATION (RE: DES 34/58)

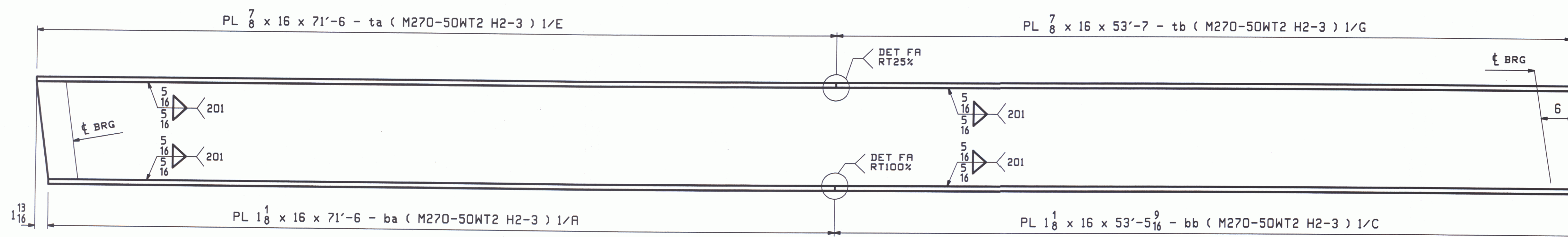
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RESUBMIT APPROVED
BY RKA DATE

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REV.	DATE	REMARKS			DWN	CHK	APVL	SHOP	
MATERIAL:		SURFACE PREP. & PAINT:			HOLES:		SHOP BOLTS:		
M270-50W		SEE GNI			15 16"Ø		NONE		
DESCRIPTION: LAYOUTS									
CASCO BAY STEEL STRUCTURES, INC.									
75 SPRING HILL ROAD					SACO, MAINE 04072				
PHONE (207) 282-7360					FAX. (207) 282-1179				
STRUCTURE: TOWN HIGHWAY #2 OVER WILLOUGHBY RIVER							DRAWN:		DATE:
BRIDGE NO. BR 8							LWD		03/10
TOWN OF BROWNINGTON							CHKD:		DATE:
COUNTY OF ORLEANS, VERMONT							PCP		04/16
CONTRACTOR: AUSTIN CONSTRUCTION									
LOCATION: Town of Brownington							JOB NO.		DWG NO.
PROJ NO. BRO 1449 (28)							396		TD 1
CUSTOMER: VERMONT AOT									REV.

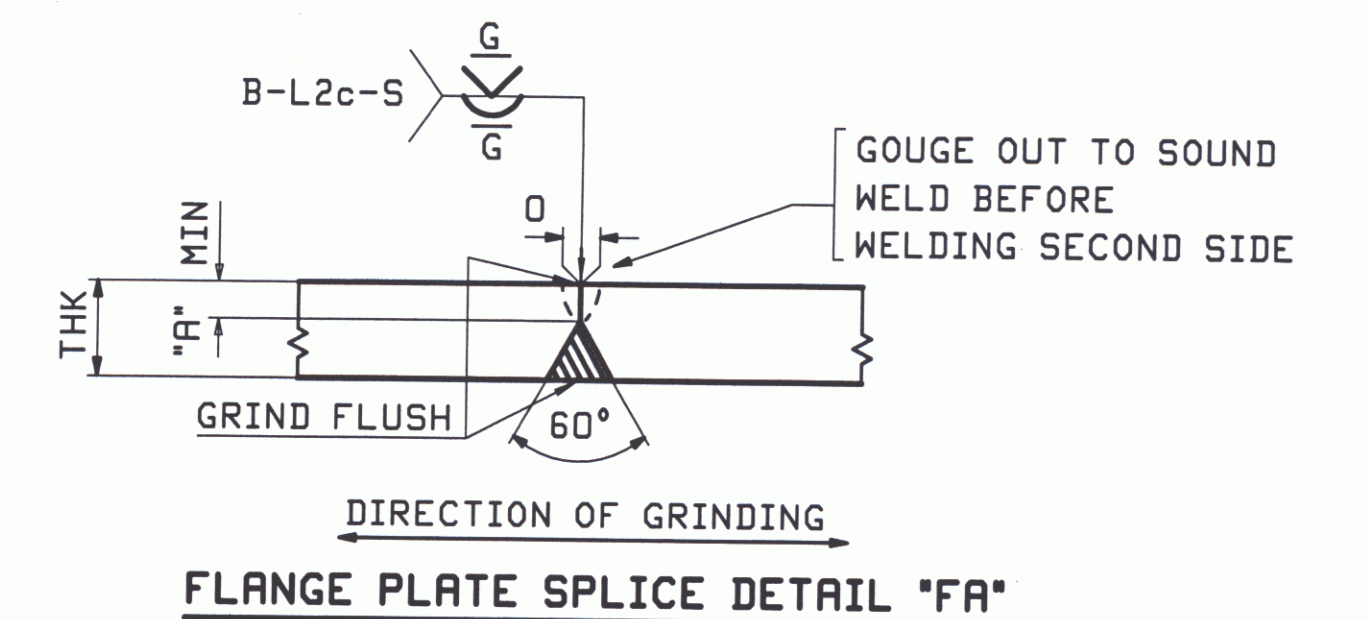
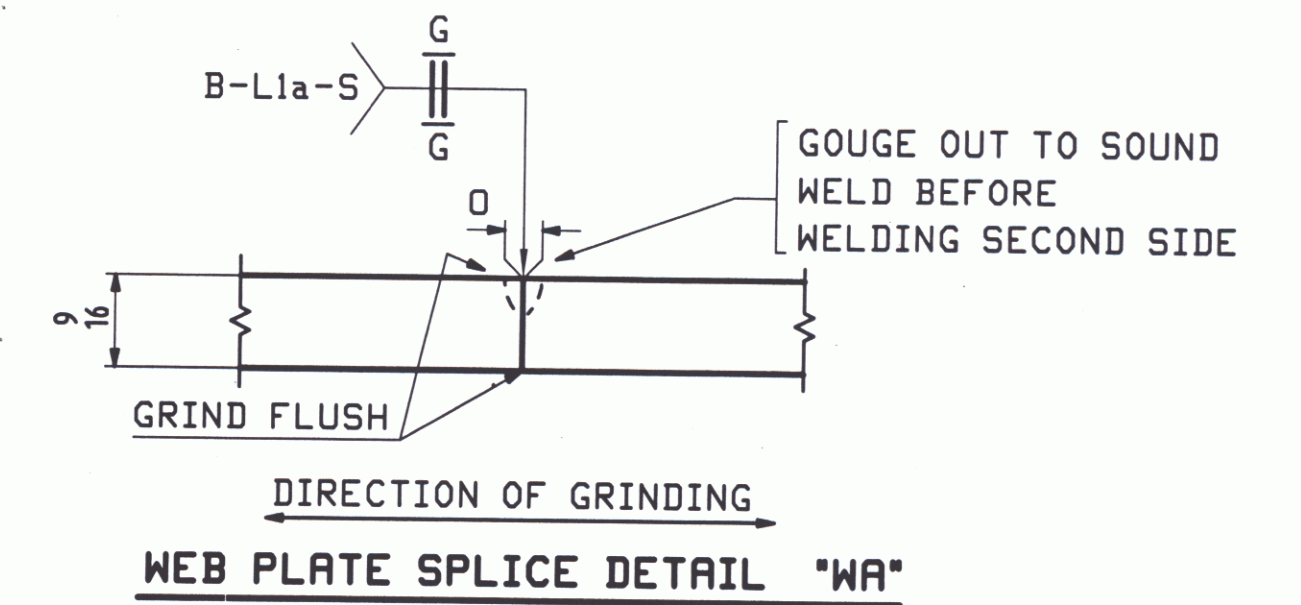
**** NOTE ****
THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION AND CONNECTION SPACING. THIS DWG IS SUBMITTED FOR INFORMATION ONLY & IS NOT INTENDED FOR SHOP FABRICATION. DETAIL DWGS WILL SHOW ALL WELDING AND DIMENSIONS REQ'D FOR FABRICATION.



CAMBER DIAGRAM FOR 1G1A, 2G2A, 2G3A AND 3G4A



FLANGE DIAGRAM FOR 1G1A, 2G2A, 2G3A AND 3G4A



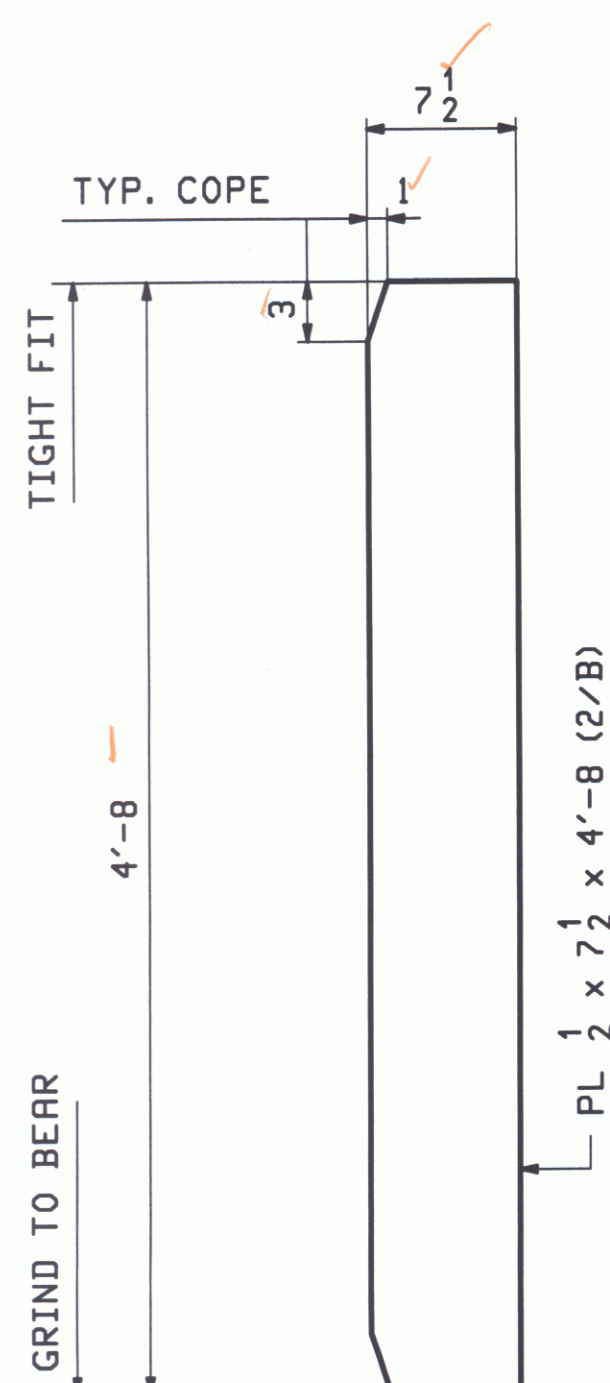
FLG THK	"A"
7/8	1/4
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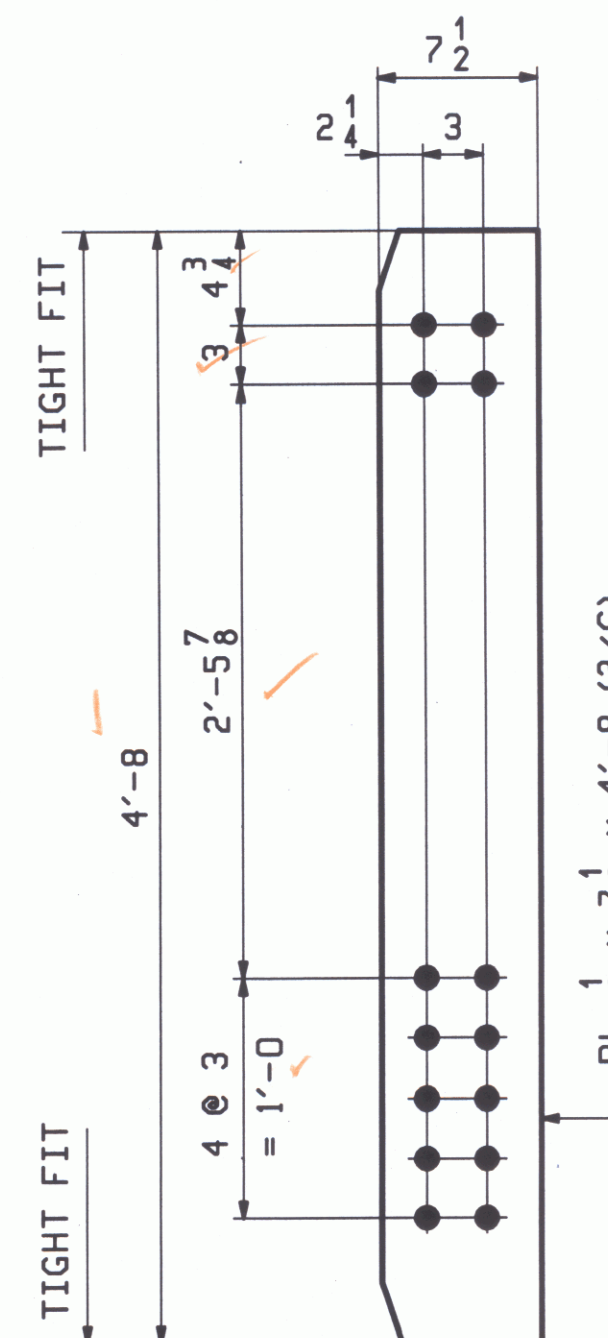
1. FOR GENERAL NOTES SEE DWG GNI.
2. H2-3 DENOTES MATERIAL SUBJECT TO CHARPY V-NOTCH TEST AT H FREQ. FOR ZONE 2

RECEIVED
CHK'D BY CRM OK'D BY T.H.L.
MAY 1 2009
RESUBMIT APPROVED
BY PKW DATE 5-12-09

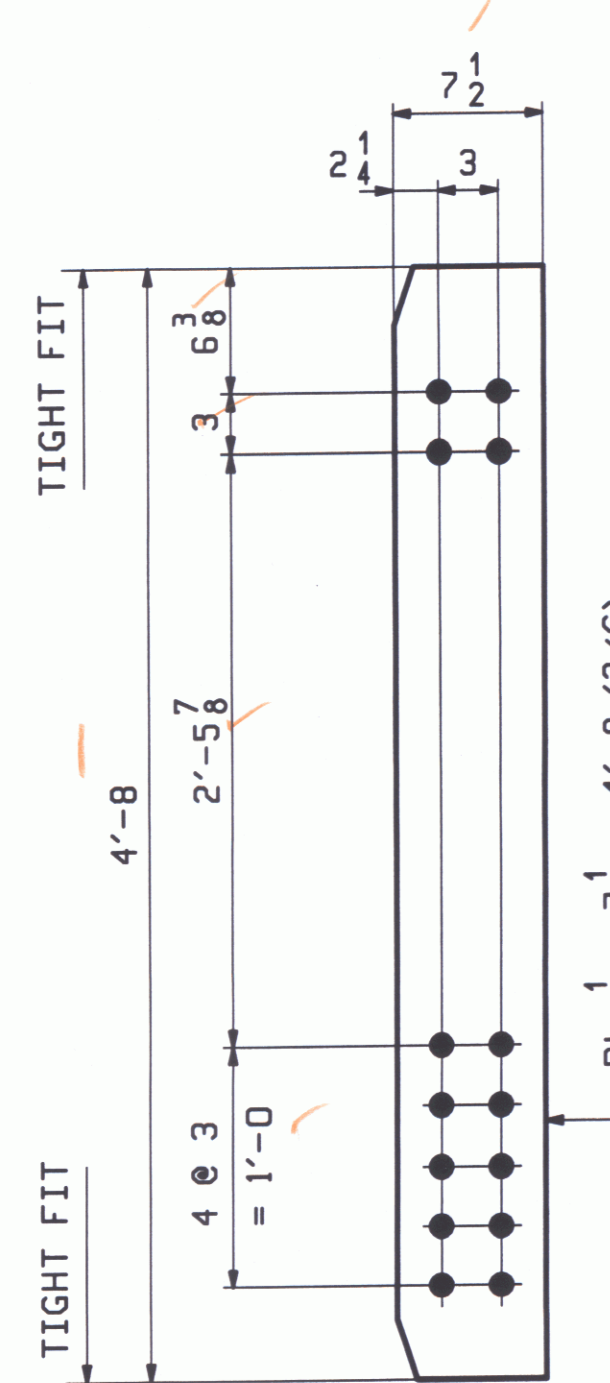
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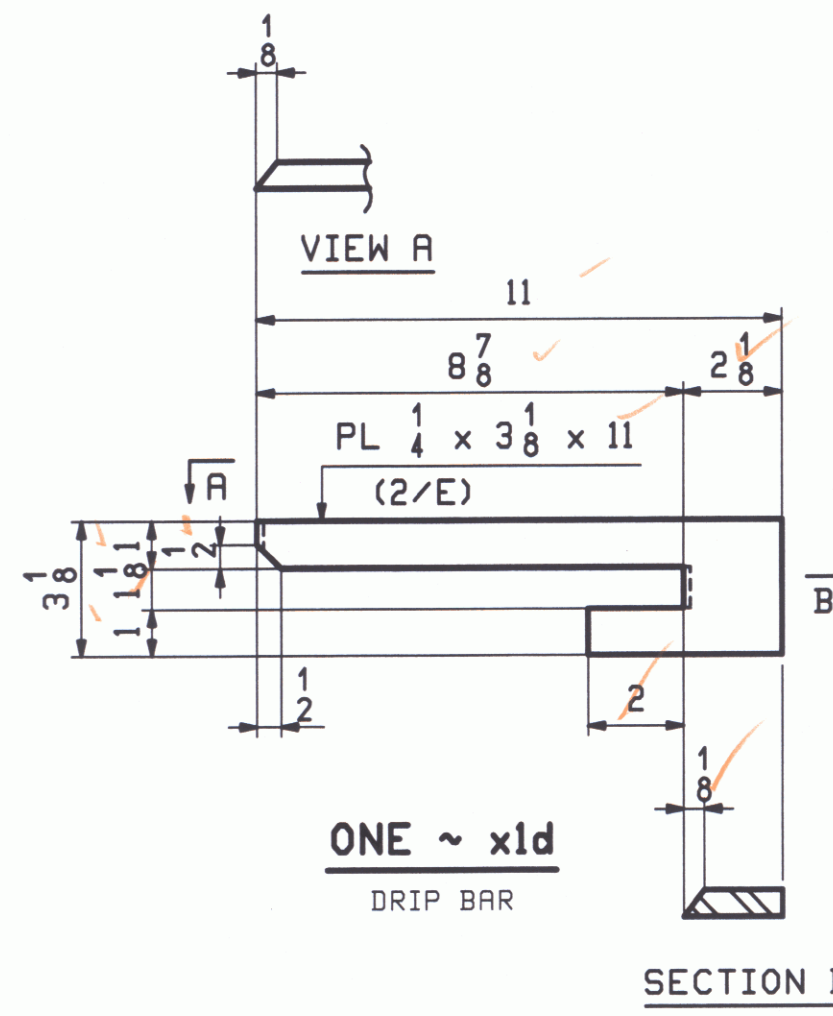
16 - x1a
BRG



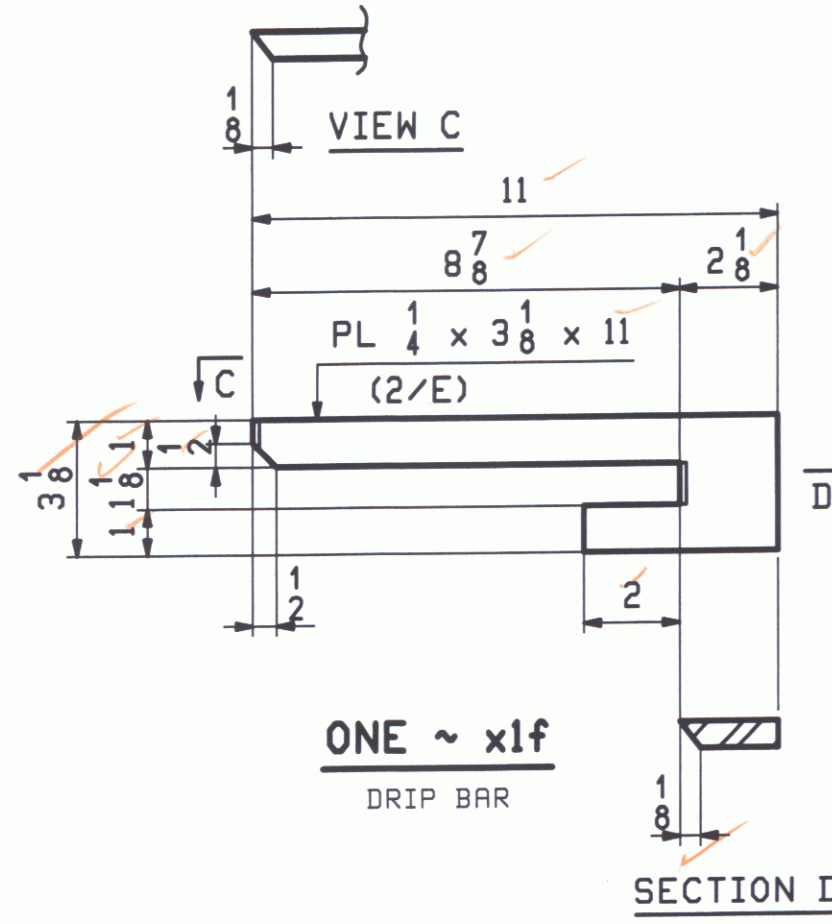
10 - x1b
INT



20 - x1c
INT



ONE ~ x1d
DRIP BAR



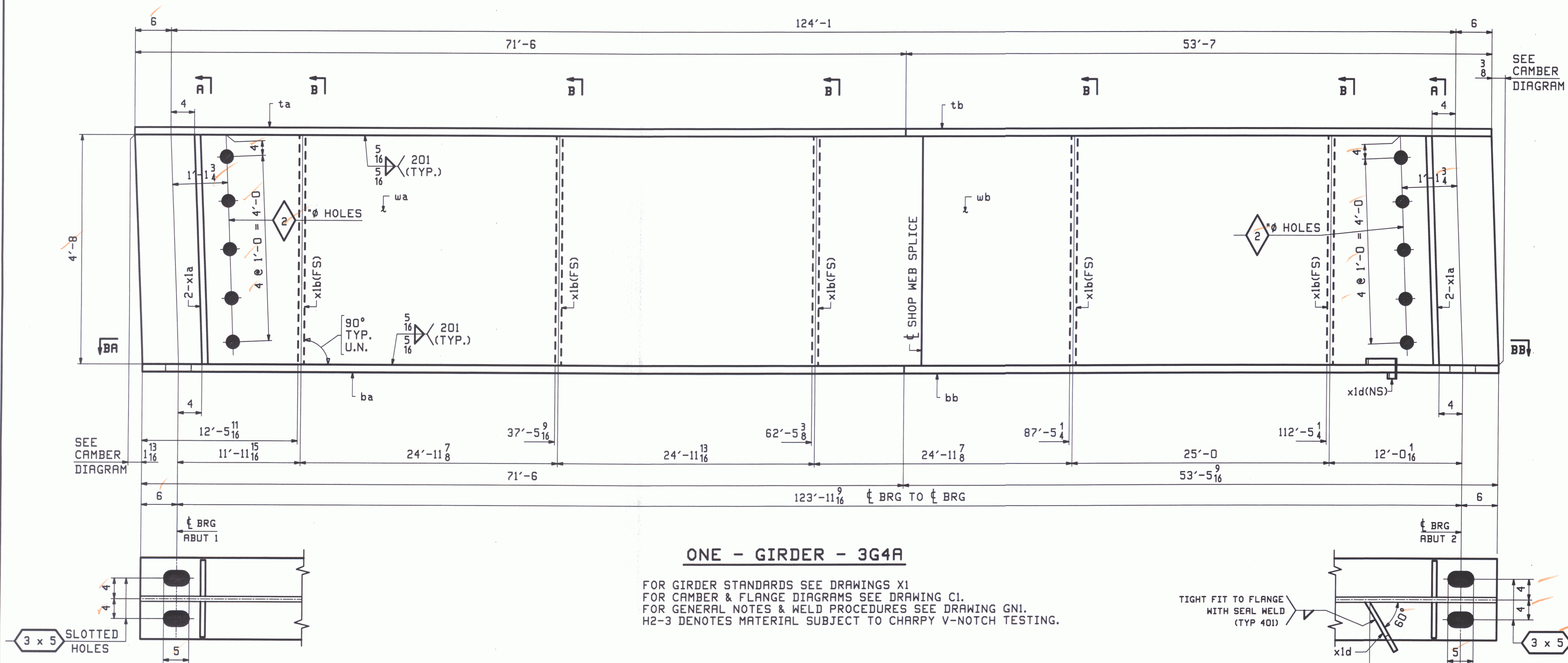
ONE ~ x1f
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FOR GENERAL NOTES SEE DRAWING GNI.

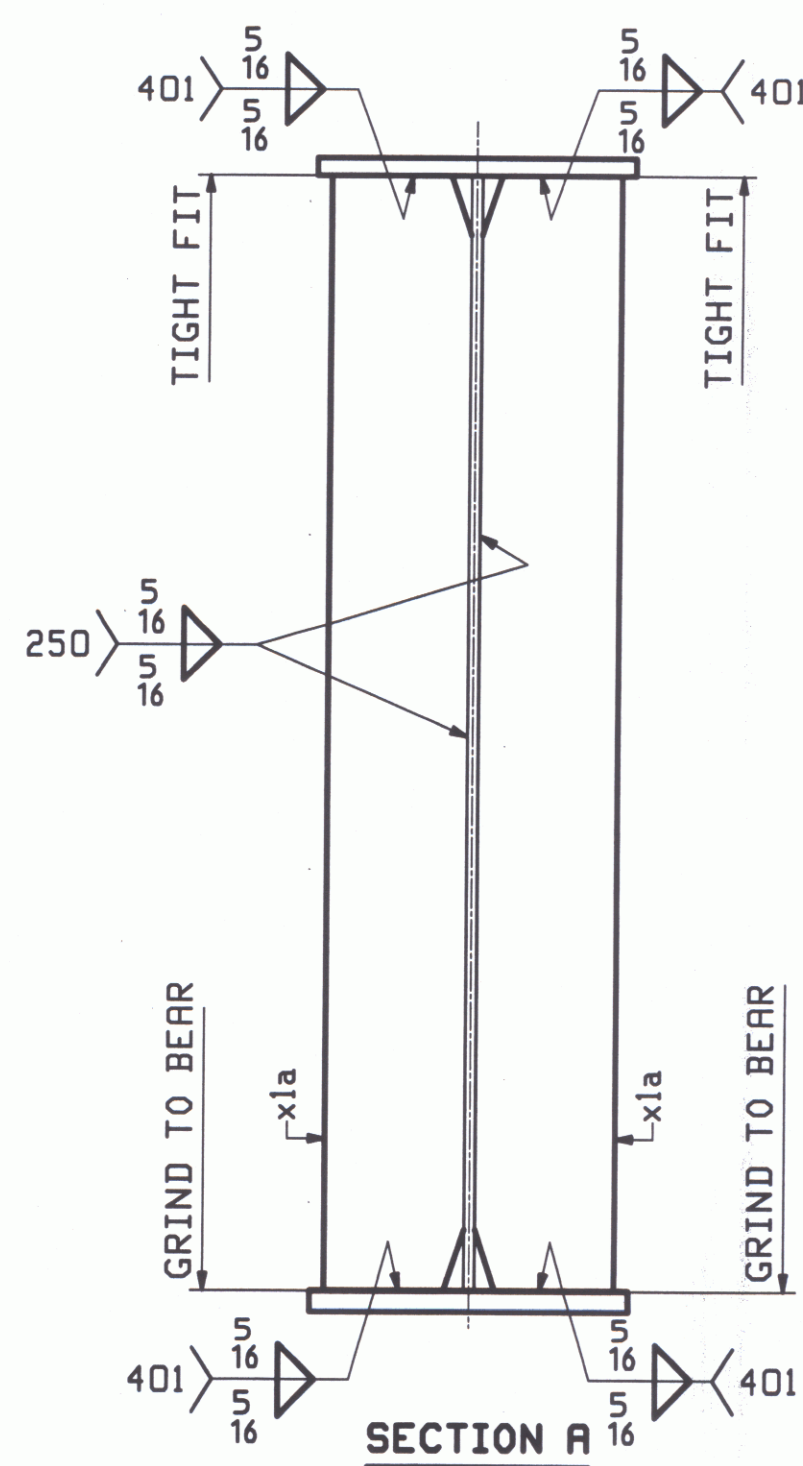
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MAY 1 2009
RESUBMIT APPROVED
BY: RKW DATE: 5-12-09

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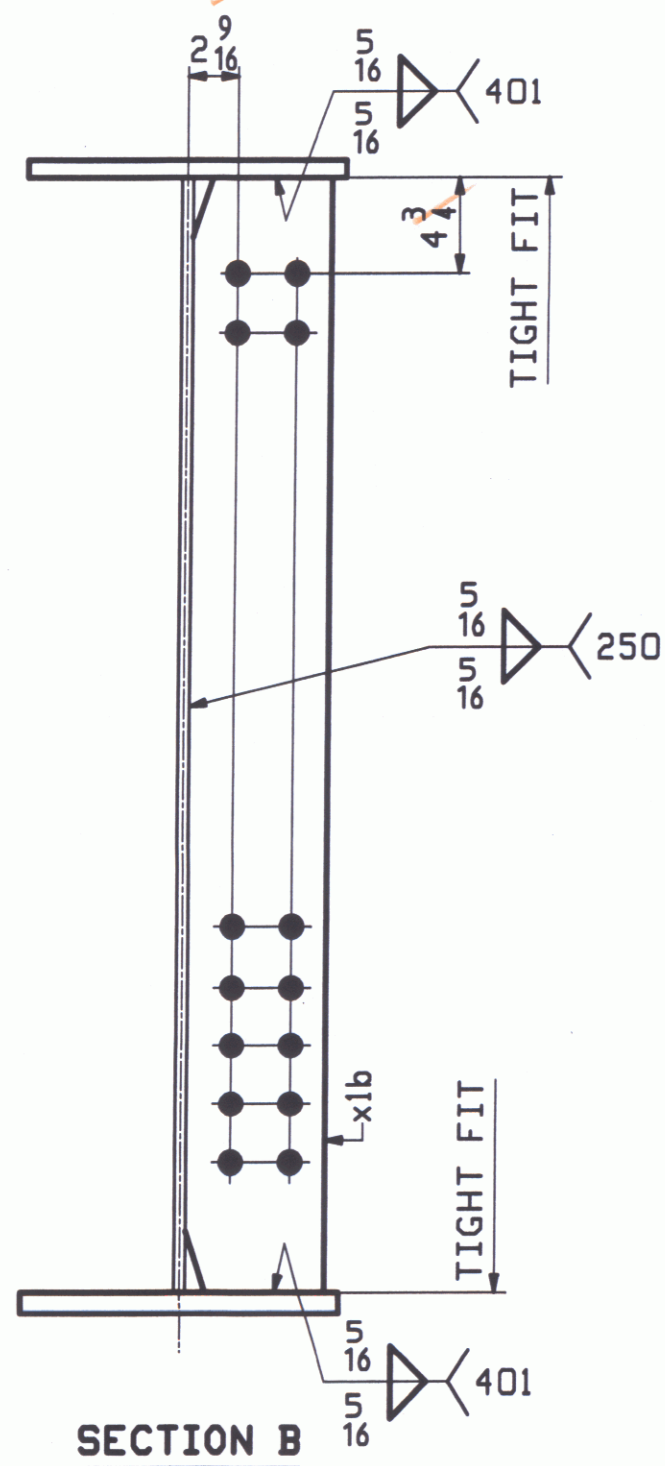
ABM INFO		SHIP	BILL OF MATERIAL				JOB NO.	DRAWING NO.	REV.
PAGE	LINE	MARK	QTY	MARK	MATERIAL	LENGTH FT INCHES	REMARKS	WT	PROCUREMENT NOTES
		3G4A	1		GIRDER			27568	
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1	L		1	wb	PL $\frac{9}{16} \times 56$	52 $\frac{6}{16}$	M270-50WT2 (H2-3)		
1	E		1	ta	PL $\frac{7}{8} \times 16$	71 $\frac{6}{16}$	M270-50WT2 (H2-3)		
1	G		1	tb	PL $\frac{7}{8} \times 16$	53 $\frac{7}{16}$	M270-50WT2 (H2-3)		
1	A		1	ba	PL $1 \frac{1}{8} \times 16$	71 $\frac{6}{16}$	M270-50WT2 (H2-3)		
1	C		1	bb	PL $1 \frac{1}{8} \times 16$	53 $\frac{9}{16}$	M270-50WT2 (H2-3)		
2	B		4	x1a	PL $\frac{1}{2} \times 7 \frac{1}{2}$	4 $\frac{8}{16}$	MIE		
2	C		5	x1b	PL $\frac{1}{2} \times 7 \frac{1}{2}$	4 $\frac{8}{16}$			
2	E		1	x1d	PL $\frac{1}{4} \times 3 \frac{1}{8}$	0 $\frac{11}{16}$	DRIP BAR		



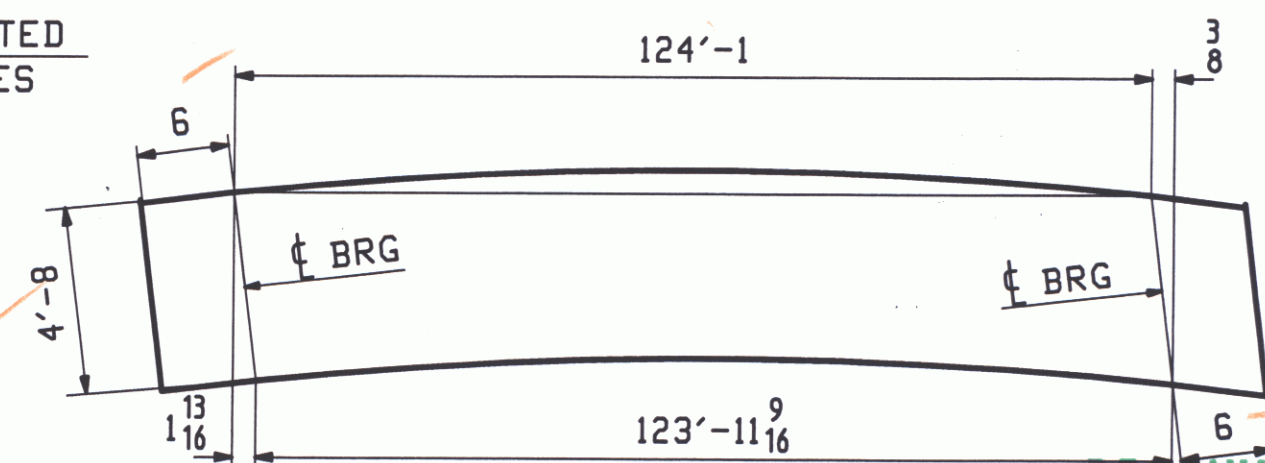
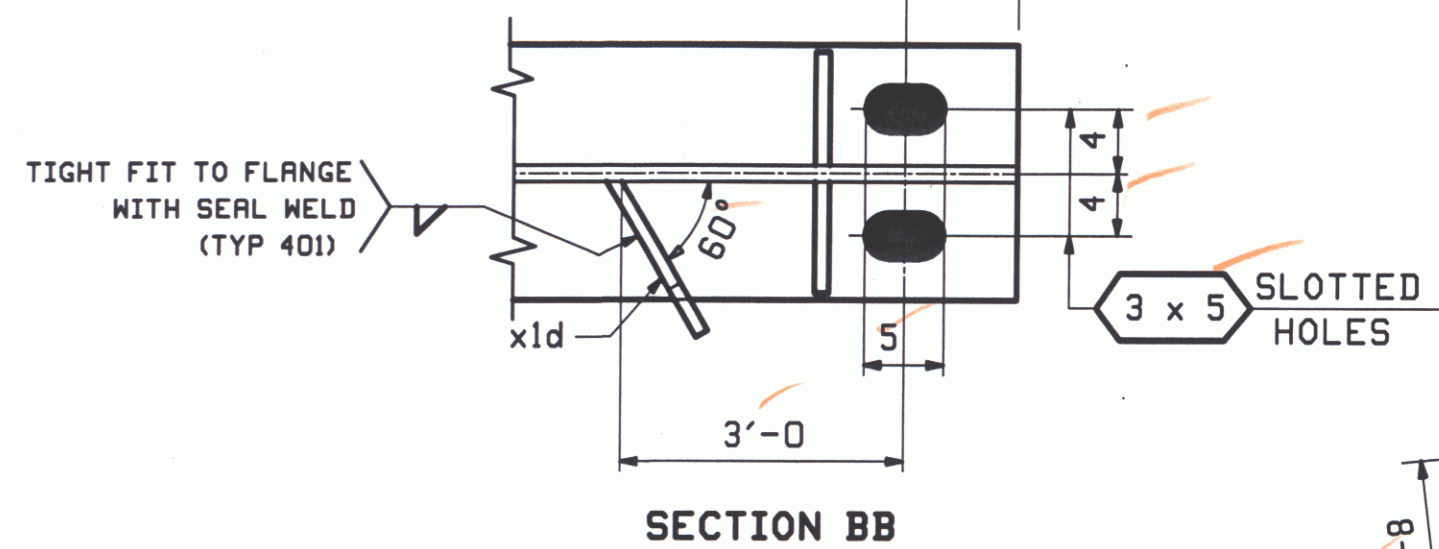
SECTION BA



SECTION B



SECTION BB



ORIENTATION DIAGRAM
FOR CAMBER SEE DWG C1

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CHK'D BY: CAM, OK'D BY: THL
MAY 1 2009
APPROVED
BY: RKL DATE: 5-12-09

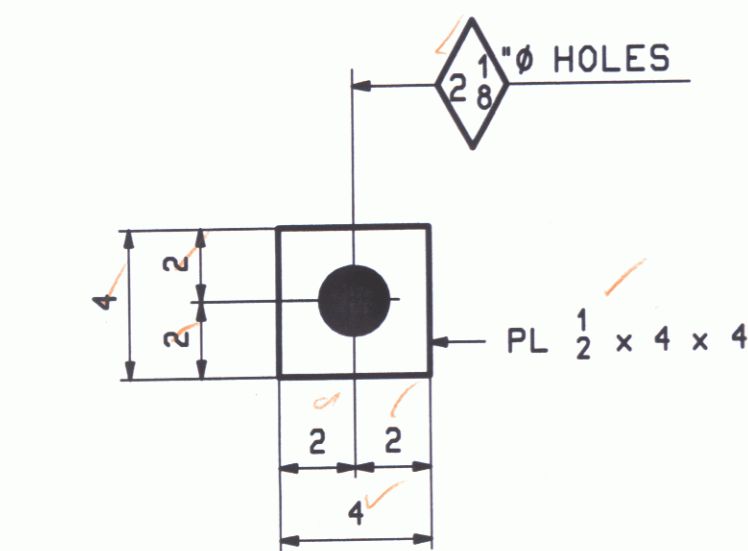
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REV.	DATE	REMARKS			DWN	CHK	APVL	SHOP	
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:			
M270-50W		SEE GNI		15 16"		NONE			
DESCRIPTION: GIRDER - 3G4A									
CASCO BAY STEEL STRUCTURES, INC.									
75 SPRING HILL ROAD				SACO, MAINE 04072					
PHONE (207) 282-7360				FAX. (207) 282-1179					
									
STRUCTURE: TOWN HIGHWAY #2 OVER WILLOUGHBY RIVER					DRAWN:		DATE:		
BRIDGE NO. BR 8					LWD		03/11		
TOWN OF BROWNINGTON					CHKD:		DATE:		
COUNTY OF ORLEANS, VERMONT					PCP		04/16		
CONTRACTOR: AUSTIN CONSTRUCTION									
LOCATION: Town of Brownington					JOB NO.		DWG NO.		
PROJ NO. BRO 1449 (28)					396		3		
CUSTOMER: VERMONT AOT							REV. 		



NOTE:
FOR STANDARD DETAILS SEE SHEET M1.

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MAY 1 2009
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BY RRW DATE 5-12-09

LWD Tue, Apr 21, 2009 04:02:58 PM /users/jobs/2056/4 : RevD



1 - EXTRA FOR TESTING
NO NUTS OR WASHERS REQ'D

RECEIVED
CK'D BY CAM OK'D BY THL
MAY 12 2000
REQUEST APPROVED as noted
BY Rhw DATE 5-12-00

O						APR 22 2009						
REV.	DATE	REMARKS						DWN	CHK	APVL	SHOP	
MATERIAL:			SURFACE PREP. & PAINT:			HOLDS:			SHOP BOLTS:			
M270-50W			SEE GNI			NOTED					NONE	
DESCRIPTION: ANCHOR BOLT DETAILS												
CASCO BAY STEEL STRUCTURES, INC.								 TENSOR 2855				
75 SPRING HILL ROAD				SACO, MAINE 04072								
PHONE (207) 282-7360				FAX. (207) 282-1179								
STRUCTURE: TOWN HIGHWAY #2 OVER WILLOUGHBY RIVER BRIDGE NO. BR 8 TOWN OF BROWNINGTON COUNTY OF ORLEANS, VERMONT CONTRACTOR: AUSTIN CONSTRUCTION								DRAWN:	DATE:			
								LWD	03/11			
								CHKD:	DATE:			
								PCP	04/16			
LOCATION: Town of Brownington								JOB NO.		DWG NO.		
PROJ NO. BRO 1449 (2B)								396		5		
CUSTOMER: VERMONT ROT										REV.		