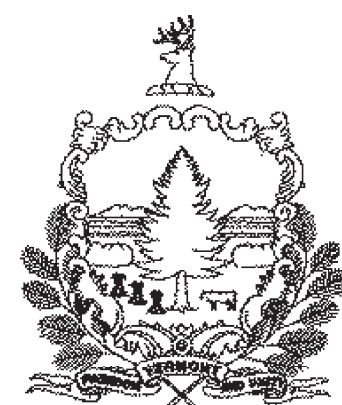


STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

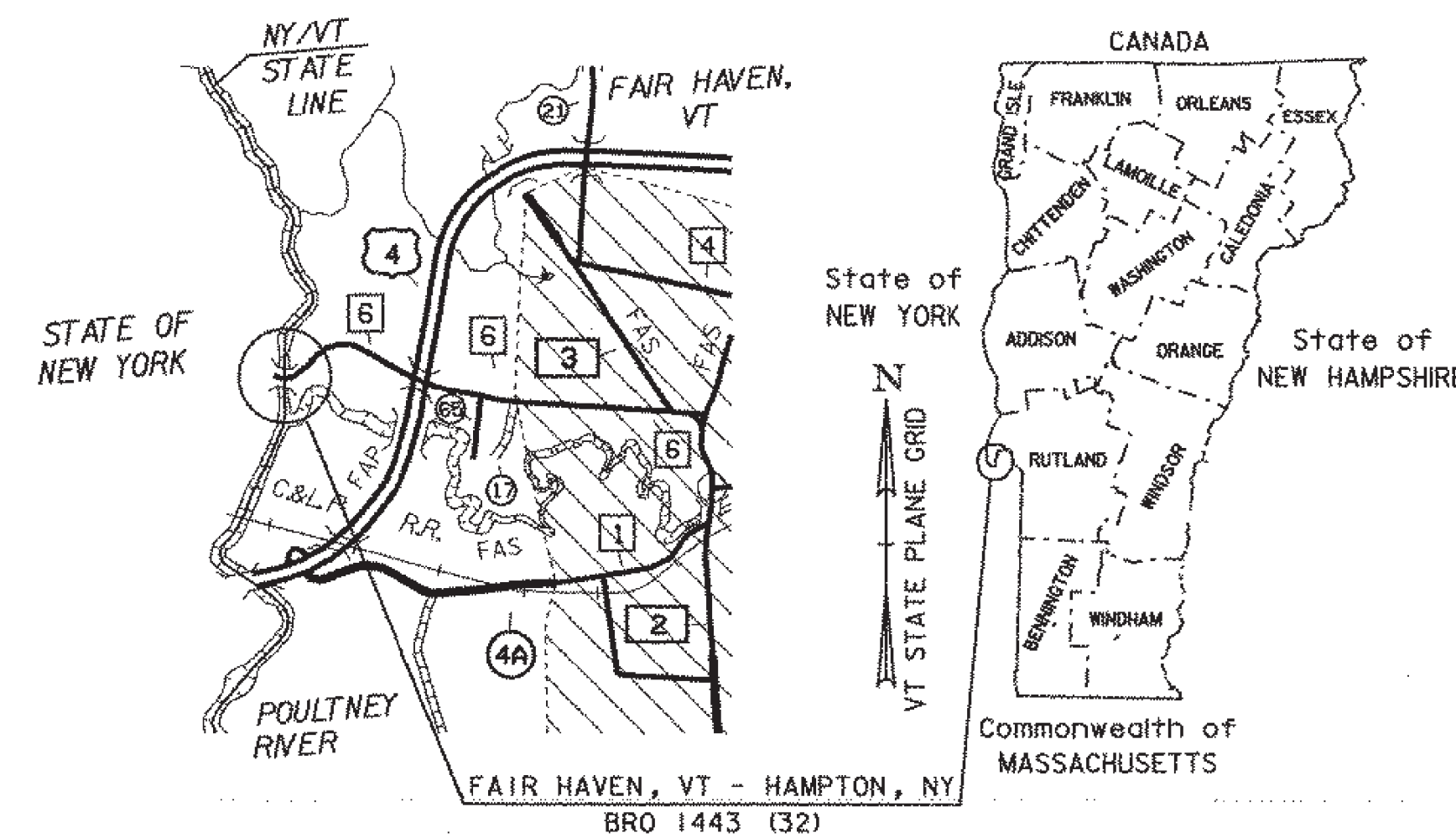
TOWN OF FAIR HAVEN, VT - HAMPTON, NY
COUNTY OF RUTLAND

ROUTE NO : TH 6, CL 2 LOCAL BRIDGE NO : 6

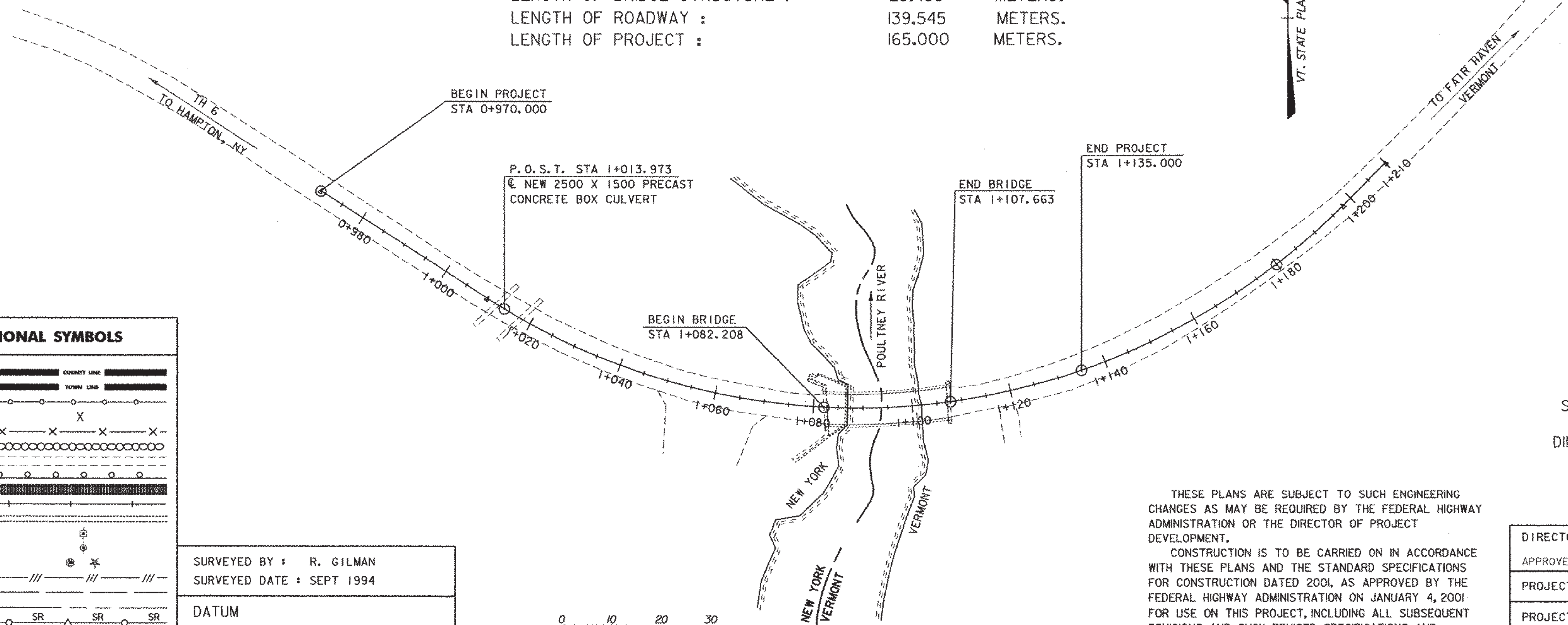
PROJECT LOCATION : LOCATED IN THE COUNTY OF RUTLAND, TOWN OF FAIR HAVEN, VT AND IN THE COUNTY OF WASHINGTON, TOWN OF HAMPTON, NY, ON TH 6, AT THE VERMONT-NEW YORK BORDER OVER THE POULTNEY RIVER.

PROJECT DESCRIPTION : PROJECT SHALL CONSIST OF THE REPLACEMENT OF THE EXISTING BRIDGE AND PLACEMENT OF A CONCRETE BOX CULVERT.

LENGTH OF BRIDGE STRUCTURE :	25.455	METERS.
LENGTH OF ROADWAY :	139.545	METERS.
LENGTH OF PROJECT :	165.000	METERS.



RECORD PLANS	
CONTRACTOR:	AUSTIN CONSTRUCTION - CONCORD, VT
RESIDENT ENGINEER:	TONY COARSE
CONSTRUCTION BEGAN:	MARCH 31, 2003
CONSTRUCTION COMPLETE:	JUNE 6, 2004
RECORD PLANS BY:	K. NORTH, N. GARBACIK
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	<i>[Signature]</i> RESIDENT ENGINEER
DATE:	Jan 17, 2005
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.	



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 : SEPT 1994

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROJECT DEVELOPMENT.

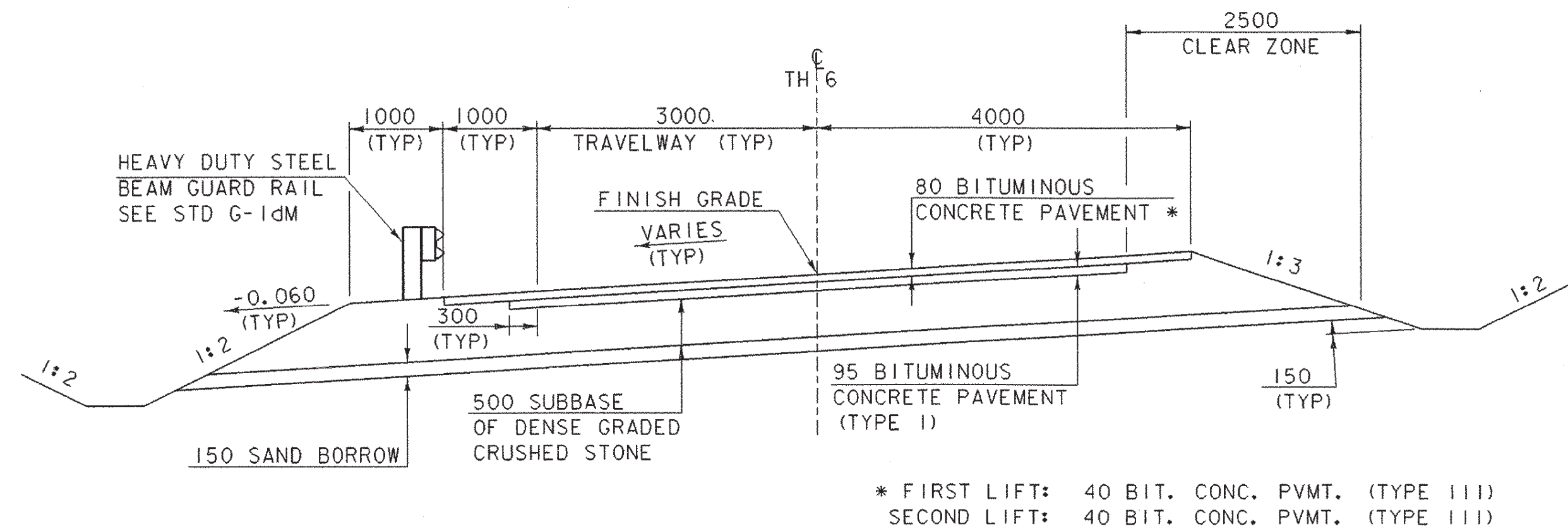
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

/s/rl/93j021/sj021bdr.dgn eJ021t1.1 PLOTTED:18-DEC-2002

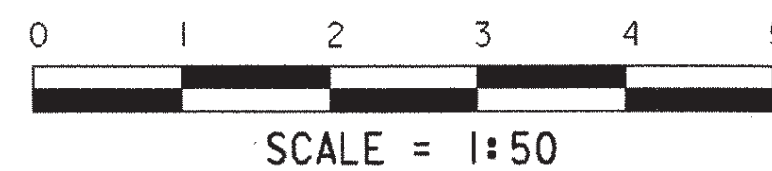
DIRECTOR OF PROJECT DEVELOPMENT
APPROVED *[Signature]* DATE 12/18/02
PROJECT MANAGER : GARY S. ROGERS
PROJECT NAME : FAIR HAVEN, VT - HAMPTON, NY
PROJECT NUMBER : BRO 1443 (32)
SHEET 1 OF 53 SHEETS

Metric

UNLESS NOTED OTHERWISE
STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS

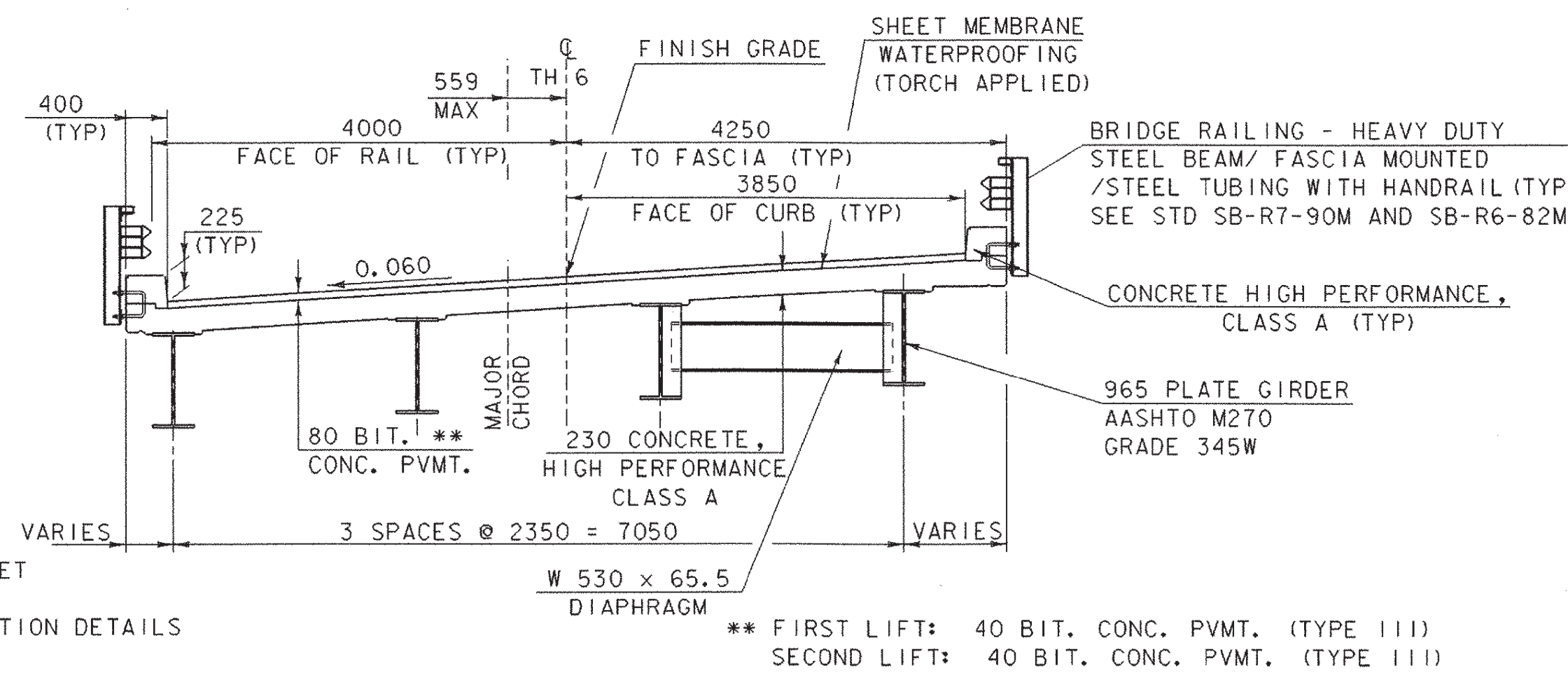


ROADWAY TYPICAL

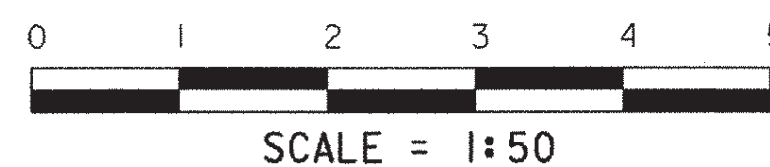


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2. PRELIMINARY INFORMATION SHEET
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- 6-7. RIGHT-OF-WAY PLAN SHEETS
8. TIE SHEET
9. LAYOUT SHEET 1
10. LAYOUT SHEET 2
- 11-12. MAINLINE PROFILE
13. TRAFFIC DETOUR SHEET #1
14. TRAFFIC DETOUR SHEET #2
15. TRAFFIC DETOUR SIGNING SHEET
16. PLAN AND ELEVATION SHEET
17. EROSION CONTROL SHEET 1
18. EROSION CONTROL SHEET 2
19. GENERAL NOTES
20. DECK REINFORCING PLAN
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24. APPROACH SLAB DETAILS
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32. HEADWALL NUMBER 1
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34. PAVEMENT MARKING AND SIGN SHEET
35. BANKING DIAGRAM
36. SUBBASE TRANSITION AND EXCAVATION DETAILS
- 37-43. MAINLINE CROSS SECTIONS
- 44-48. CHANNEL LINE CROSS SECTIONS
- 49-53. BOX CULVERT CROSS SECTIONS

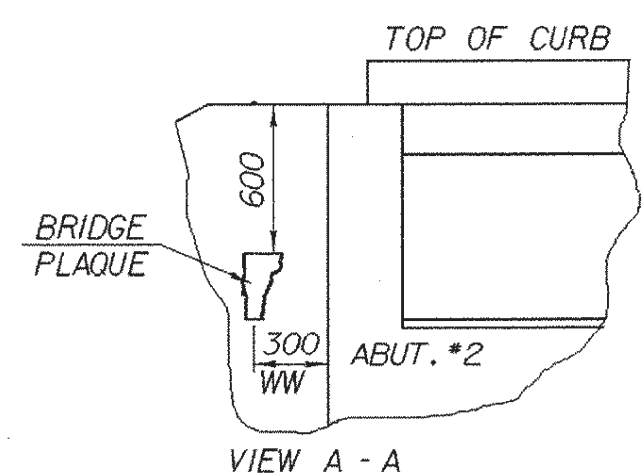


BRIDGE TYPICAL



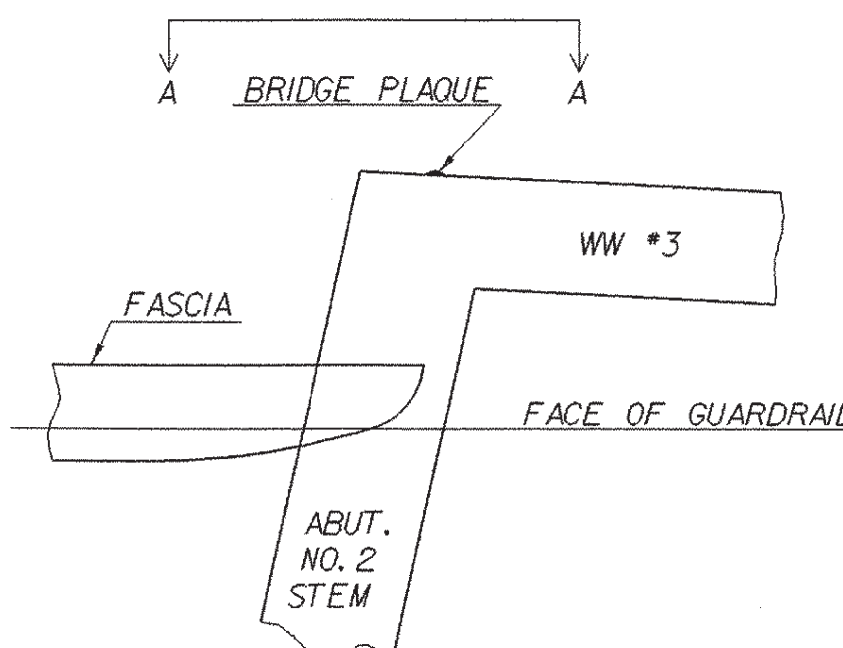
LIST OF STANDARDS

- | | |
|-----------|----------|
| A-61M | 6-13-97 |
| B-5M | 1-03-00 |
| D-2M | 6-13-97 |
| E-100aM | 2-02-98 |
| E-100M | 6-13-97 |
| E-102aM | 6-13-97 |
| E-102M | 6-13-97 |
| E-107aM | 6-13-97 |
| E-107M | 6-13-97 |
| E-193M | 6-13-97 |
| G-1dM | 1-03-00 |
| G-1M | 1-03-00 |
| G-19M | 10-21-98 |
| SB-R6-82M | 7-10-97 |
| SB-R7-90M | 7-10-97 |
| T-1M | 6-13-97 |
| T-2M | 6-13-97 |



LOCATE BRIDGE PLAQUE

THE BRIDGE PLAQUE WILL BE SUPPLIED BY THE AGENCY OF TRANSPORTATION AND SHALL BE INSTALLED BY THE CONTRACTOR AT ABUTMENT #2 ON THE LEFT SIDE AS SHOWN OR AS DIRECTED BY THE ENGINEER. (DETAILS ABOVE ARE NOT MEANT TO BE SITE SPECIFIC.)



PLAN

HYDROLOGIC DATA

DRAINAGE AREA= 453 sq. km
 CHARACTER OF TERRAIN: ROLLING, AGRICULTURAL AND MIXED COVER
 CHARACTER & TYPE OF STREAM: MODERATE RELIEF, NARROW AND CONFINED
 CHANNEL IN IMMEDIATE VICINITY OF BRIDGE
 NATURE OF STREAMBED: AT BRIDGE, LEDGE ON BOTH BANKS AND CHANNEL BOTTOM

02.33= 153 cms	050= 252 cms
010= 202 cms	0100= 269 cms
025= 232 cms	0500= 325 cms

DATE OF FLOOD OF RECORD: NOVEMBER 1927
 WATER SURFACE ELEV.: 92.6 m ESTIMATED DISCHARGE: UNKNOWN
 NATURAL STREAM VELOCITY @ Q25 = 4.83 m/s
 ICE CONDITIONS: MODERATE DEBRIS: MODERATE
 DOES THE STREAM REACH MAXIMUM HIGHWATER ELEVATION RAPIDLY? NO
 IS ORDINARY RISE RAPID? NO
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? NO
 IF YES, DESCRIBE.

WATERSHED STORAGE 1% HEADWATERS UNIFORM THROUGHOUT WATERSHED X IMMEDIATELY ABOVE SITE

PROPOSED STRUCTURE

STRUCTURE TYPE: SINGLE SPAN, PLATE GIRDER
 CLEAR SPAN (NORMAL TO STREAM): 24 m (17 m EFFECTIVE)
 VERTICAL CLEARANCE ABOVE STREAMBED: 5.8 m
 WATERWAY OF FULL OPENING: 90 sq. m

WATER SURFACE ELEV. @ Q2.33= 91.20m*	VELOCITY= 4.44 m/s*
010= 91.81m*	" = 4.84 m/s*
025= 92.13m*	" = 5.07 m/s*
050= 92.40m*	" = 5.20 m/s*
0100= 92.62m*	" = 5.31 m/s*

* WITHOUT ROADWAY OVERFLOW
 IS THE ROADWAY OVERTOPPED BELOW THE Q100? YES FREQUENCY: Q10 (EST.)
 RELIEF ELEVATION: 90.8 m DISCHARGE OVER ROAD @ Q100: UNKNOWN

AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 92.6 m
 VERTICAL CLEARANCE @ Q25 = 0.93 m

SCOUR: NONE ANTICIPATED DUE TO LEDGE
 REQUIRED CHANNEL PROTECTION: NONE

EXISTING STRUCTURE

STRUCTURE TYPE: SINGLE SPAN, STEEL BEAM - CONC. DECK YEAR BUILT: UNKNOWN
 CLEAR SPAN (NORMAL TO STREAM): 24 m (17 m EFFECTIVE)
 VERTICAL CLEARANCE ABOVE STREAMBED: 5.8 m
 WATERWAY OF FULL OPENING: 90 sq. m +/-
 DISPOSITION OF STRUCTURE: REMOVE SUPERSTRUCTURE & ABUTMENT NO. 2 REHABILITATE ABUTMENT #1
 TYPE OF MATERIAL UNDER SUBSTRUCTURE: LEDGE UNDER EACH ABUTMENT

WATER SURFACE ELEV. @ Q2.33= 91.16m*	VELOCITY= 4.44 m/s*
010= 91.79m*	" = 4.84 m/s*
025= 92.11m*	" = 5.07 m/s*
050= 92.39m*	" = 5.20 m/s*
0100= 92.61m*	" = 5.31 m/s*

* WITHOUT ROADWAY OVERFLOW
 LONG TERM STREAM BED CHANGES: NONE

IS THE ROADWAY OVERTOPPED BELOW THE Q100? YES FREQUENCY: Q10 (EST.)
 RELIEF ELEVATION: 90.8 m DISCHARGE OVER ROAD @ Q100: UNKNOWN

PERMIT INFORMATION

AVERAGE DAILY FLOW: 10.3 cms
 ORDINARY LOW WATER: 4.5 cms DEPTH: 0.9 m
 ORDINARY HIGH WATER: 65.6 cms DEPTH: 3.2 m

ADDITIONAL COMMENTS

SURVEY DATA IS INADEQUATE TO ACCURATELY MODEL OVERFLOW ON THE WESTERN APPROACH. WATER SURFACE ELEVATIONS AND VELOCITIES REPRESENT THE MOST CONSERVATIVE, NO OVERFLOW CASE. THE Q10 OVERFLOW FREQUENCY VALUE IS AN ESTIMATE ONLY, ASSUMING THERE IS SOME OVERFLOW. REAL WATER SURFACE ELEVATIONS WILL BE LOWER. THE HYDRAULIC CONDITIONS OF THE NEW BRIDGE WILL BE NEARLY IDENTICAL TO THOSE OF THE EXISTING.

LOAD FACTOR LOAD RATING (METRIC TONS)

LOADING LEVELS (LOAD FACTOR)	TRUCK						
	M	MS	3S2	6 AXLE	3A.STR.	4A.STR.	5A.SEMI
INVENTORY A=2.17; B=1.00	36	49					
POSTED A=1.55; B=1.40	51	69	82		63	64	75
OPERATING A=1.30; B=1.67		82	97	116	75	77	

STRENGTH RF = $\frac{0.85 M_N - 1.3 M_{DL}}{A \times M_{LL+1}}$ SERVICEABILITY RF = $\frac{0.95 F_y S_{LL+1} - M_{DL} \frac{S_{LL+1}}{S_{DL}} - M_{SDL} \frac{S_{LL+1}}{S_{SDL}}}{1.67 M_{LL+1}}$

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	% ADTT
1997	490	70	55	6	5
2017	670	95	55	7	7

20 year ESAL for flexible pavement from 1997 to 2017: 241,000
 40 year ESAL for flexible pavement from 2017 to 2037: 643,000
 Design speed: 50km/h

DESIGN CRITERIA:

1. DESIGN LIVE LOAD AASHTO MS 22.5
2. DESIGN SPAN 25 m @ BRG TO Q BRG
3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL N/A ON LEDGE 480 kPa (ASSUMED)
4. ALLOWABLE LOAD FOR PILING N/A TYPE ESTIMATED LENGTH N/A
5. ALLOWABLE STRESS FOR STRUCTURAL STEEL AASHTO M270 GRADE 345W TENSION
6. ALLOWABLE STRESS FOR REINFORCING STEEL GRADE 420 TENSION
7. ALLOWABLE STRESS FOR CONCRETE HIGH PERFORMANCE CLASS A f'_c 30 MPa HIGH PERFORMANCE CLASS B f'_c 25 MPa

TRAFFIC MAINTENANCE:

1. IS TRAFFIC TO BE MAINTAINED? NO
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY N/A

MATERIAL ITEM	TOLERANCE
PAVEMENT	±5 mm TOTAL THICKNESS
AGGREGATE SURFACE COURSE	±10 mm
SUBBASE	±30 mm
SAND BORROW	±30 mm
GRANULAR BORROW	±30 mm

SHEET NAME: PRELIMINARY INFORMATION SHEET

PROJECT NAME: FAIR HAVEN-HAMPTON HIGHWAY NO.: TH 6
 PROJECT NUMBER: BRO I443(32) BRIDGE NO.: 6
 OVER: POULTNEY RIVER

FILE NAME: /str1/93j021/sj021pi.dgn PLOT DATE: 28-JAN-2003
 PROJECT MANAGER: G.S. ROGERS DRAWN BY: STRI
 DESIGNED BY: C. MEUNIER IPARM NAME: sj021pi.1
 BRIDGE SHEET NUMBER: SHEET 2 OF 53

QUANTITY SHEET



SUMMARY OF ESTIMATED QUANTITIES													TOTALS			DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
ROADWAY	SUPER-STRUCT.	ABUT. NO 1	ABUT. NO 2	APPR SLAB NO 1	APPR SLAB NO 2	BOX	EROSION CONTROL	FULL E & C	BRIDGE QUANTITY	ROUND	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS			
1											1		LS	CLEARING AND GRUBBING (INCLUDING INDIVIDUAL TREES AND STUMPS)	201.1						
1170											1170		CM	COMMON EXCAVATION	203.15						
130											130		CM	SOLID ROCK EXCAVATION	203.16						
						10					10		CM	UNCLASSIFIED CHANNEL EXCAVATION	203.27						
260											260		CM	SAND BORROW	203.31						
1300											1300		SM	FINE GRADING-SUBGRADE	203.40						
							20				20		CM	TRENCH EXCAVATION OF EARTH	204.20						
		10	40			310					360		CM	STRUCTURE EXCAVATION	204.25						
		20	30			200					250		CM	GRANULAR BACKFILL FOR STRUCTURES	204.30						
330											330		SM	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	205.20						
170											170		SM	COLD PLANING-BIT.PAVEMENT	210.10						
1010							60				1070		CM	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35						
40											40		CM	AGGREGATE SURFACE COURSE	401.10						
						50					50		L	TAR EMULSION	404.45						
200											200		KG	EMULSIFIED ASPHALT	404.65						
512	38			7	7						564		T	MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT	406.27						
	67										67		CM	CONCRETE, HIGH PERFORMANCE CLASS A	501.33						
		17	22	13	13	44					109		CM	CONCRETE, HIGH PERFORMANCE CLASS B	501.34						
		30565									30565		KG	STRUCTURAL STEEL(PLATE GIRDER)	506.55						
			1320	1540		2150					5010		KG	REINFORCING STEEL	507.15						
			36	28							64		M	DRILLING AND GROUTING DOWELS	507.16						
		7380			760	760					8900		KG	EPOXY COATED REINFORCING STEEL	507.17						
		1									1		LS	SHEAR CONNECTORS (880-22 X 178 STUDS)	508.15						
		20	65	15		15					115		L	WATER REPELLENT	514.10						
		8									8		M	BRIDGE EXPANSION JOINT(ASPHALTIC TYPE PLUG)	516.10						
						61					61		SM	SHEET MEMBRANE WATERPROOFING	519.20						
		198			36	36					270		SM	SHEET MEMBRANE WATERPROOFING (TORCH APPLIED)	519.20						
		54									54		M	BRIDGE RAILING - HDSB/FASCIA MOUNTED/STEEL TUBING W/ HANDRAIL	525.44						
		140									140		SM	REMOVAL OF BRIDGE PAVEMENT	529.10						
		1									1		LS	PARTIAL REMOVAL OF STRUCTURE	529.20						
			25								25		CM	REMOVAL OF CONCRETE OR MASONRY	529.25						
		8									8		EACH	BEARING DEVICE ASSEMBLY	531.10						
						1					1		LS	PRECAST CONCRETE BOX CULVERT (2500x1600x14400)	540.10						
							1				1		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (NABI)	608.25						
80							10				90		CM	STONE FILL, TYPE I	613.10						
						20					20		CM	STONE FILL TYPE II	613.11						
14											14		M	GATE FOR CHAIN-LINK FENCE, 1.8 METERS (MOD)	620.16						
66											66		M	REMOVING AND RESETTING FENCE (MOD)	620.50						
20											20		M	REMOVAL OF EXISTING FENCE	620.55						
36											36		M	BARBED WIRE FENCE	620.60						
70											70		M	SNOW FENCE (MOD)	620.70						
176											176		M	HEAVY DUTY STEEL BEAM GUARD RAIL	621.21						
8											8		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60						
17											17		M	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80						

PROJECT NAME: **FAIR HAVEN - HAMPTON**
 PROJECT NUMBER: **BRO 1443(32)**
 FILE NAME: /Projects/93j021/sjo21qnt.xls PLOT DATE: 12/20/2002
 PROJECT LEADER: G.S. ROGERS DRAWN BY: T. HUSK
 DESIGNED BY: 0 CHECKED BY: C. MEUNIER
 QUANTITY SHEET #1 SHEET 3 OF 53

QUANTITY SHEET



SUMMARY OF ESTIMATED QUANTITIES										TOTALS			DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
ROADWAY	SUPER-STRUCT.	ABUT. NO 1	ABUT. NO 2	APPR SLAB NO 1	APPR SLAB NO 2	BOX	EROSION CONTROL	FULL E & C	BRIDGE QUANTITY	ROUND	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS
4											4		EACH	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81			
								1			1		LS	FIELD OFFICE-ENGINEERS	631.10			
								1			1		LS	TESTING EQUIPMENT - CONCRETE	631.16			
								1			1		LS	TESTING EQUIPMENT - BITUMINOUS	631.17			
								1			1		LU	FIELD OFFICE - TELEPHONE (NABI)	631.25			
1											1		LS	MOBILIZATION	635.10			
1											1		LS	TRAFFIC CONTROL	641.10			
450											450		M	100 mm WHITE LINE	646.20			
450											450		M	100 mm YELLOW LINE	646.21			
						140					140		SM	GEOTEXTILE UNDER STONE FILL	649.31			
							350				350		SM	GEOTEXTILE FOR SILT FENCE	649.51			
							40				40		SM	GEOTEXTILE FOR FILTER CURTAIN	649.61			
							10				10		KG	SEED	651.15			
							5				5		KG	SEED-WINTER RYE	651.17			
							60				60		KG	FERTILIZER	651.18			
							1				1		T	AGRICULTURAL LIMESTONE	651.20			
							1				1		T	HAY MULCH	651.25			
							10				10		EACH	HAY BALES FOR EROSION CONTROL	651.26			
							50				50		CM	TOPSOIL	651.35			
							40				40		SM	GRUBBING MATERIAL	651.40			
							30				30		SM	EROSION MATTING	654.10			
29											29		SM	TRAFFIC SIGNS, TYPE A (MOD)	675.20			
135											135		M	FLANGED CHANNEL SIGN POST (MOD)	675.301			
3											3		EACH	REMOVING SIGNS	675.50			

PROJECT NAME: **FAIR HAVEN - HAMPTON**
 PROJECT NUMBER: **BRO 1443(32)**
 FILE NAME: /Projects/93j021/ejo21qnt.xls PLOT DATE: 12/19/2002
 PROJECT LEADER: **G.S. ROGERS** DRAWN BY: **T. HUSK**
 DESIGNED BY: 0 CHECKED BY: **C. MEUNIER**
 QUANTITY SHEET #2 SHEET 4 OF 53

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET**

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	BARSALOW, WILLIAM E., SR. & BARSALOW, WILLIAM E., JR.	8,9	0+968.0 LT. 1+062.8 LT.	1+084.3 LT. 1+067.2 LT.	0.048 HA±		INSTALL (T)			HAMPTON, NY WASHINGTON CO			0.119 AC± SILT FENCE	1	7,9	PARCEL NO. 3 WETHERBY. A NEW ELECTRIC FENCE IS LOCATED LEFT OF AND BETWEEN STATIONS 1+139 AND 1+156.5. THE FENCE IS OFFSET 16.0' FROM THE LT. EDGE OF THE EXISTING ROAD.	11-27-00	S. L. D.	R. P. D.
2	HOLLISTER, JOHN H. HOLLISTER, BRIAN D. HOLLISTER, DAVID R.	8,9	0+969.5 RT. 1+030 RT. 1+053.3 RT. 1+055 RT. 1+059 RT.	1+085.3 RT. 1+058.1 RT. 1+065.2 RT. 1+063 RT.	0.049 HA±		INSTALL (T) INSTALL (T) REMOVE & RESET (T) DRIVE (T)			HAMPTON, NY WASHINGTON CO			0.121 AC± BARRIER FENCE ARCH. SENSITIVE SILT FENCE GATE POST W/STEEL CABLE 6 M (19.7') WIDE-GRAVEL			ELECTRONIC IPARMS TO STRUCTURES	11-19-02		
3A	WETHERBY, RONALD	9	1+101.7 RT. 1+112 RT. 1+112 RT. 1+117 RT. 1+117.2 RT. 1+121 RT. 1+125 RT.	1+112.0 RT. 1+117.9 RT. 1+117 RT. 1+120 RT. 1+128.7 RT. 1+140 RT.	61.5 SM±		CONST. (T) 18 SM± SLOPE (P) 14 SM± REMOVE & RESET (T) INSTALL (T) DRIVE (T) INSTALL (T)			FAIR HAVEN			662 SF± 194 SF± 150 SF± CABLE GATE SILT FENCE 4.7 M (15.4') WIDE-GRAVEL BARRIER FENCE ARCH. SENSITIVE						
3B		9	1+101.3 LT. 1+107.5 LT. 1+109.3 LT. 1+115 LT. 1+139 LT.	1+157.4 LT. 1+149.6 LT. 1+139.2 LT. 1+150 LT. 1+156.5 LT.			CONST. (T) 160 SM± SLOPE (P) 130 SM± DITCH & DRAINAGE (P) 42 SM± RESET (T) REMOVE & RESET (T)						1722 SF± 1399 SF± 452 SF± BARBED WIRE - PASTURE WIRE FENCE - ELECTRIC						
4	CENTRAL VERMONT PUBLIC SERVICE CORP.												UTILITY - FLOWAGE RIGHTS						
5	NEW ENGLAND TELEPHONE/BELL ATLANTIC												UTILITY - TELEPHONE						

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
PERMANENT EASEMENT
TEMPORARY EASEMENT

LEGEND
 --- C&T (P) --- CLEARING & TRIMMING
 ... C&T (P) ... CLEAR ZONE
 --- CONST. (T) --- CONSTRUCTION EASEMENT
 SR SLOPE RIGHTS
 P PROPERTY LINE
 △ TOP OF CUT
 ○ TOE OF SLOPE
 --- UE (P) --- PERMANENT UTILITY EASEMENT

APPROVED: LAWRENCE W. BLISS DATE: 05-17-99
CHIEF, PLANS & TITLES

R. O. W. PLANS
FAIRHAVEN-HAMPTON
BRO 1443 (32)
R. O. W. SHEET 7 OF 9 SHEETS
SHEET 5 OF 53

NOTES:

1. USE THIS SHEET IN CONJUNCTION WITH STANDARDS T1M AND T2M.
2. AN ALTERNATE EROSION CONTROL PLAN MAY BE SUBMITTED BY THE CONTRACTOR. SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER.
3. THE CONTRACTOR WILL USE OTHER TEMPORARY OR PERMANENT EROSION CONTROL MEASURES AS REQUIRED BY THE CONSTRUCTION SEQUENCE AND THE RESIDENT ENGINEER. (SEE SECTION 105.23 OF THE VERMONT STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001).
4. THE CONTRACTOR SHALL SUBMIT A PLAN FOR MAINTAINING STREAM FLOW DURING PLACEMENT OF THE PRECAST BOX UNITS PRIOR TO THE START OF THIS WORK.

REMOVAL OF EXISTING GUIDE POSTS

STA 1+010.6 RT
 STA 1+013.9 LT
 STA 1+020.7 LT
 STA 1+027.9 LT

HEAVY DUTY STEEL BEAM GUARD RAIL

STA 0+986.0 RT - STA 1+008.2 RT
 STA 1+015.8 RT - STA 1+048.8 RT
 STA 1+000.9 LT - STA 1+012.0 LT
 STA 1+019.6 LT - STA 1+035.3 LT

HEAVY DUTY STEEL BEAM GUARD RAIL (NESTED)

STA 1+008.2 RT - STA 1+015.8 RT
 STA 1+012.0 LT - STA 1+019.6 LT

CONSTRUCT STONE FILL, TYPE I, DITCH

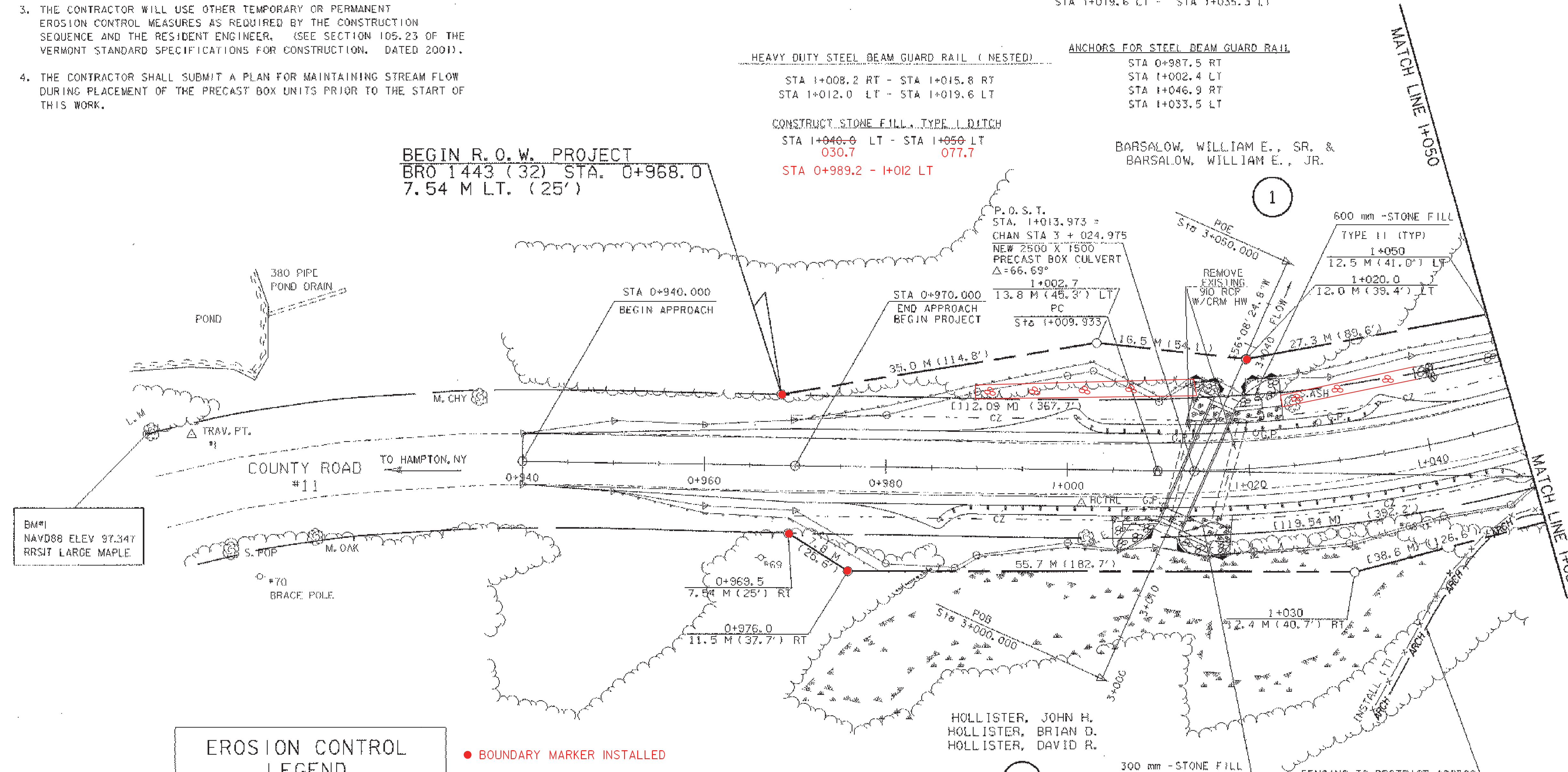
STA 1+040.0 LT - STA 1+050.0 LT
 030.7 077.7
 STA 0+989.2 - 1+012 LT

ANCHORS FOR STEEL BEAM GUARD RAIL

STA 0+987.5 RT
 STA 1+002.4 LT
 STA 1+046.9 RT
 STA 1+033.5 LT

BARSALOW, WILLIAM E., SR. &
 BARSALOW, WILLIAM E., JR.

BEGIN R.O.W. PROJECT
 BRO 1443 (32) STA. 0+968.0
 7.54 M LT. (25')

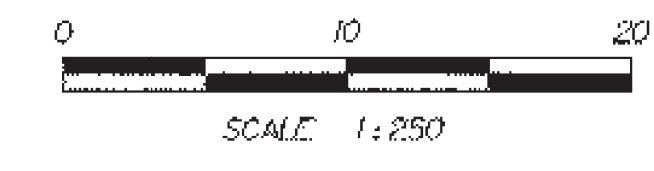


BM#1
 NAVD88 ELEV 97.347
 RRSIT LARGE MAPLE

EROSION CONTROL LEGEND	
	FILTER CURTAIN
	SILT FENCE
	ROCK CHECK DAM
	STONE FILL, TYPE I
	STONE FILL, TYPE II

● BOUNDARY MARKER INSTALLED

TOWN OF HAMPTON, N.Y.



**FOR R.O.W.
 USE ONLY**

SHEET NAME: RIGHT-OF-WAY PLAN SHEET #1	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/1/93j021/sj021bdr.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021row.1
R.O.W. SHEET 8 OF 9 SHEETS	SHEET 6 OF 53

REMOVAL OF EXISTING GUARD RAIL

STA 1+076 LT - STA 1+082 LT
 STA 1+078 RT - STA 1+082 RT
 STA 1+108 RT - STA 1+110 RT
 STA 1+108 LT - STA 1+113 LT

HEAVY DUTY STEEL BEAM GUARD RAIL

STA 1+063.5 RT - STA 1+082.0 RT
 STA 1+065.5 LT - STA 1+081.0 LT
 STA 1+108.0 RT - STA 1+118.6 RT
 STA 1+108.6 LT - STA 1+124.2 LT

**BRIDGE RAILING - HEAVY DUTY STEEL BEAM
 FASCIA MOUNTED W/ STEEL TUBING W/
 HANDRAIL**

STA 1+081.2 LT - STA 1+108.6 LT
 STA 1+082.0 RT - STA 1+108 RT

ANCHORS FOR STEEL BEAM GUARD RAIL

STA 1+065.5 RT
 STA 1+067.5 LT
 STA 1+116.6 RT
 STA 1+122.2 LT

DRILLING AND BLASTING OF SUBGRADE

STA 1+110 - STA 1+150

REMOVE FENCE

STA 1+120 RT - STA 1+160 RT
 STA 1+119 RT - STA 1+125 RT
 STA 1+056 RT - STA 1+063 RT

REMOVE AND RESET FENCE

STA 1+115 LT - STA 1+160 LT
 STA 1+139 LT - STA 1+156.5 LT
 (ELECTRIC & BARBED WIRE FENCE)

CONSTRUCT DRIVES (GRAVEL)

STA 1+059 RT
 STA 1+121 RT

CONSTRUCT STONE FILL, TYPE J DITCH

STA 1+050 LT - STA 1+070 LT
 STA 1+127.5 LT - STA 1+160 LT

NEW BARBED WIRE FENCE (2 STRANDS)

STA 1+124.5 RT - STA 1+160 RT

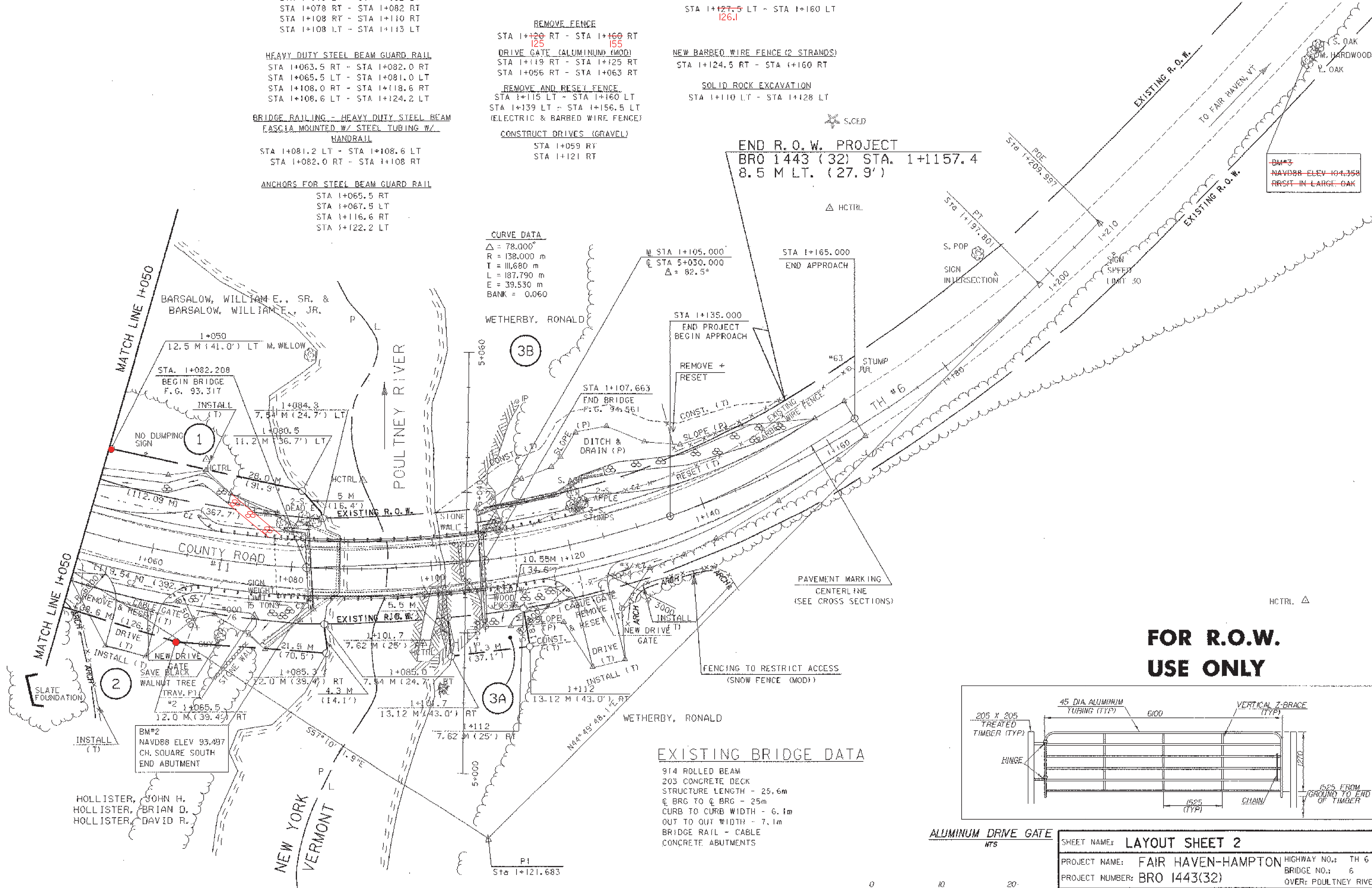
SOLID ROCK EXCAVATION

STA 1+110 LT - STA 1+128 LT

END R.O.W. PROJECT
 BRO 1443 (32) STA. 1+1157.4
 8.5 M LT. (27.9')

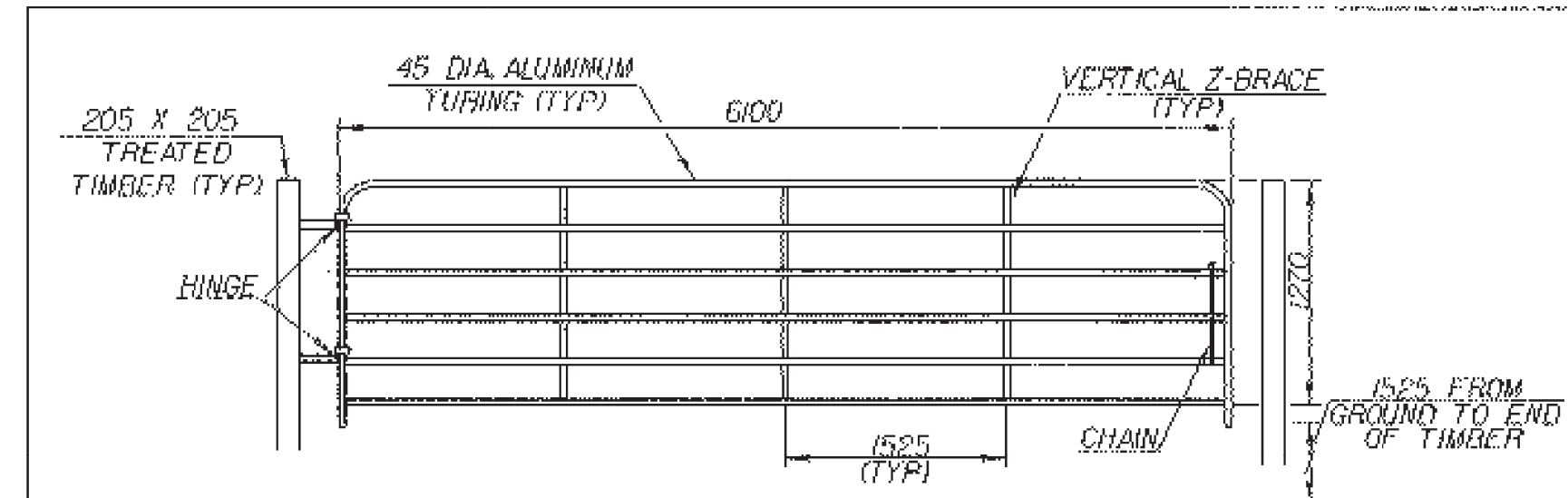
CURVE DATA

$\Delta = 78.000^\circ$
 $R = 138.000$ m
 $T = 111.680$ m
 $L = 187.790$ m
 $E = 39.530$ m
 $BANK = 0.060$



BM#3
 NAVD88 ELEV 104.358
 RESET IN LARGE OAK

**FOR R.O.W.
 USE ONLY**



EXISTING BRIDGE DATA

914 ROLLED BEAM
 203 CONCRETE DECK
 STRUCTURE LENGTH - 25.6m
 C/BRG TO C/BRG - 25m
 CURB TO CURB WIDTH - 6.1m
 OUT TO OUT WIDTH - 7.1m
 BRIDGE RAIL - CABLE
 CONCRETE ABUTMENTS

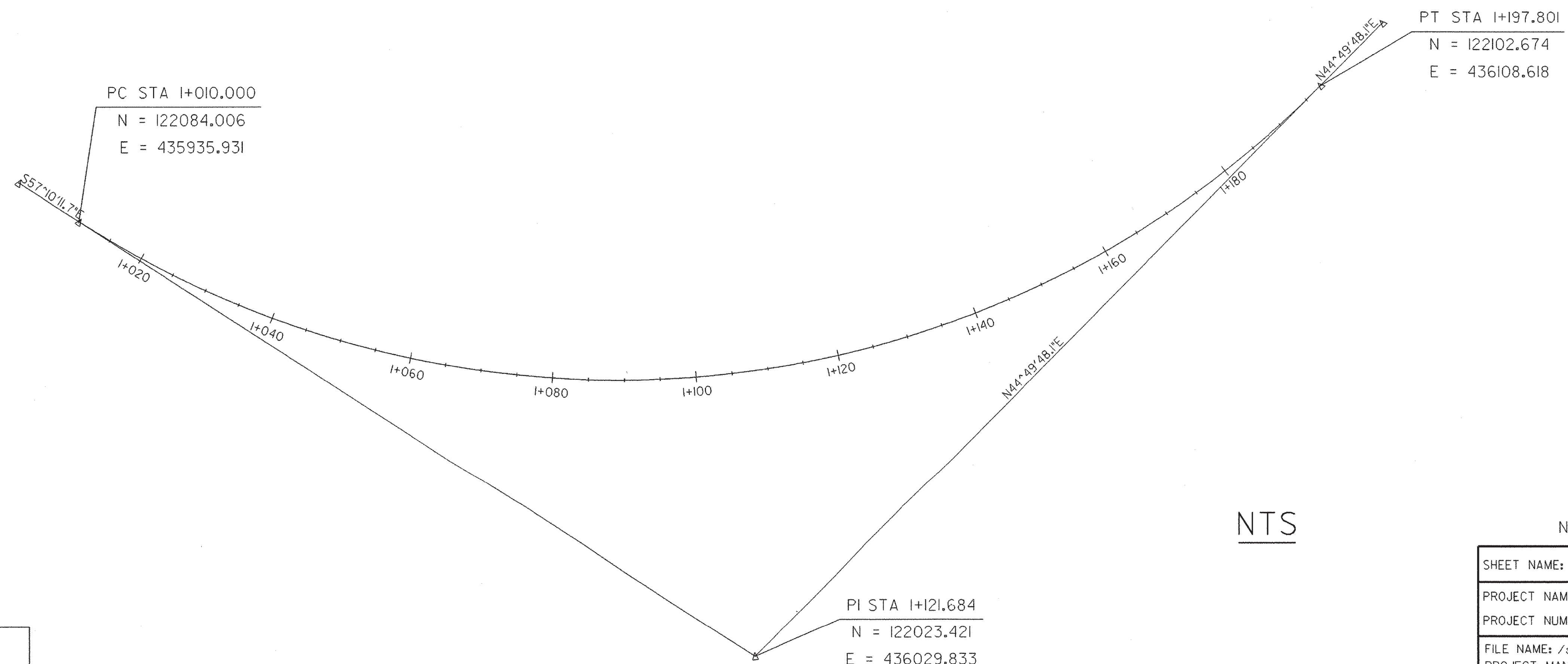
ALUMINUM DRIVE GATE

SHEET NAME: LAYOUT SHEET 2	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/93j021/sj021b.dr.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021row2.1
R.O.W. SHEET 9 OF 9 SHEETS	SHEET 7 OF 53

TRAVERSE TIES



TRAV. 1	TRAV. 2	TRAV. 3
N = 122144.1220	N = 122055.2971	N = 122158.1630
E = 435847.5540	E = 435996.4666	E = 436143.2100
ELEV. = 96.5450	ELEV. = 107.9890	ELEV. = 92.8883

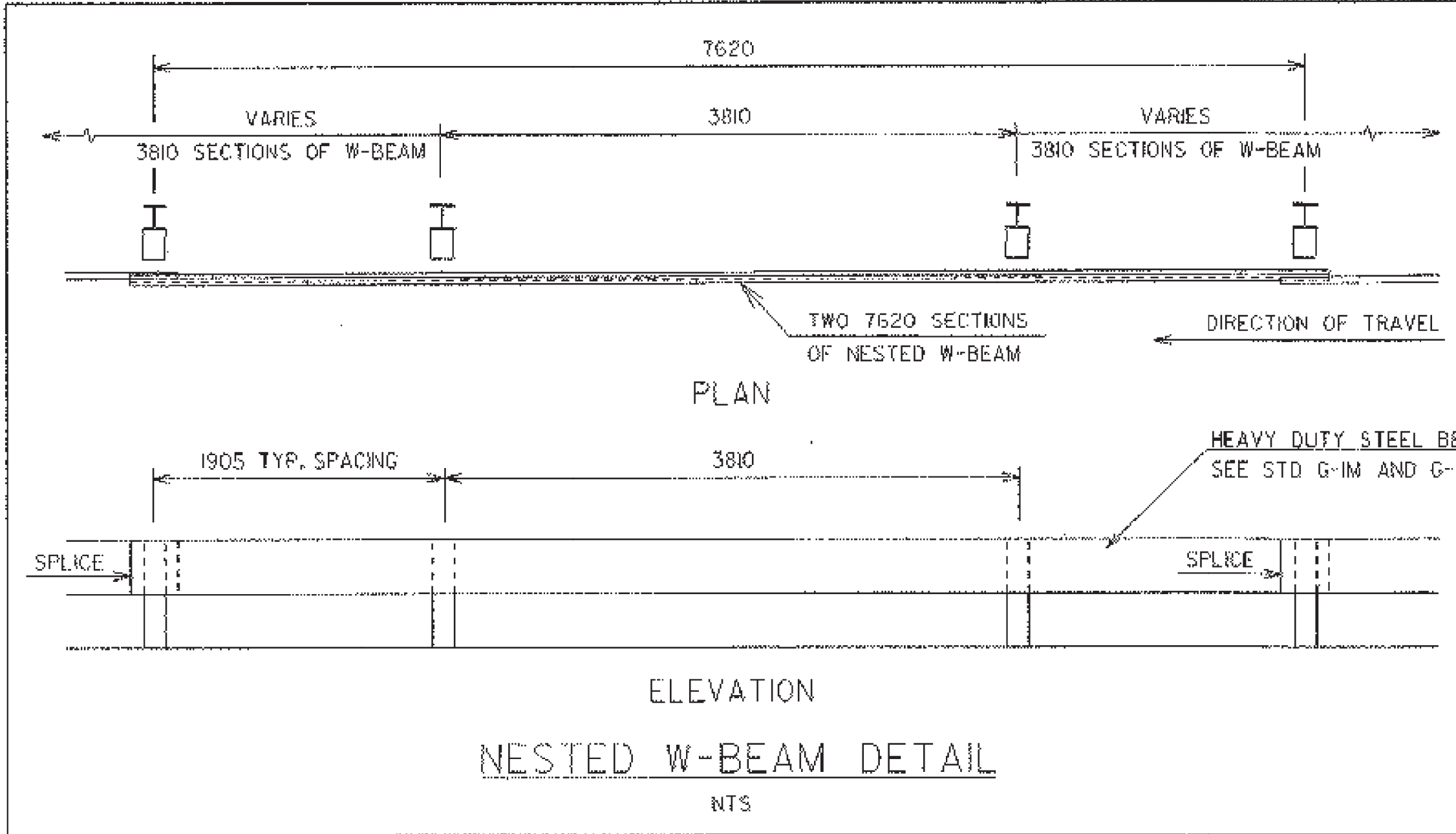


NTS

NOTE: THE TIE DISTANCES ARE IN METERS

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83

SHEET NAME: TIE SHEET	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021tie.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021tie.1
BRIDGE SHEET NUMBER:	SHEET 8 OF 53



NESTED W-BEAM NOTES

1. SEE STANDARD G-1M FOR HEAVY DUTY STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.21 HEAVY DUTY STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THIS SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.

REMOVAL OF EXISTING GUIDE POSTS

- STA 1+010.6 RT
- STA 1+013.9 LT
- STA 1+020.7 LT
- STA 1+027.9 LT

HEAVY DUTY STEEL BEAM GUARD RAIL

- STA 0+986.0 RT - STA 1+008.2 RT
- STA 1+015.8 RT - STA 1+048.8 RT
- STA 1+000.9 LT - STA 1+012.0 LT
- STA 1+019.6 LT - STA 1+035.3 LT

HEAVY DUTY STEEL BEAM GUARD RAIL (NESTED)

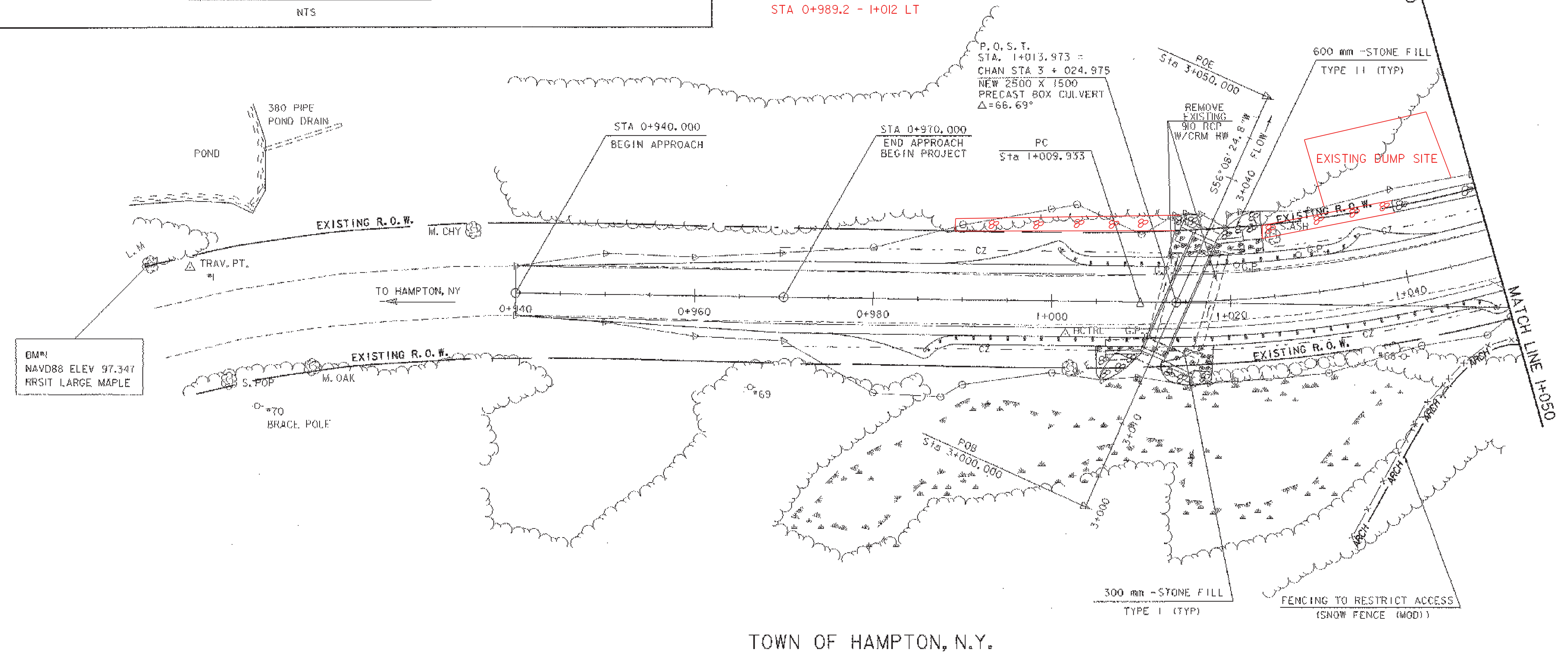
- STA 1+008.2 RT - STA 1+015.8 RT
- STA 1+012.0 LT - STA 1+019.6 LT

CONSTRUCT STONE FILL, TYPE I, DITCH

- STA 1+040.0 LT - STA 1+050 LT
- 030.7
- STA 0+989.2 - 1+012 LT

ANCHORS FOR STEEL BEAM GUARD RAIL

- STA 0+987.5 RT
- STA 1+002.4 LT
- STA 1+046.9 RT
- STA 1+033.5 LT



TOWN OF HAMPTON, N.Y.



SHEET NAME: LAYOUT SHEET I	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: FOLUTNEY RIVER
FILE NAME: /str/93j021/sj021bdr.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNER	IPARM NAME: sj021dl1
BRIDGE SHEET NUMBER:	SHEET 9 OF 53

REMOVAL OF EXISTING GUARD RAIL
 STA 1+076 LT - STA 1+082 LT
 STA 1+078 RT - STA 1+082 RT
 STA 1+108 RT - STA 1+110 RT
 STA 1+108 LT - STA 1+113 LT

HEAVY DUTY STEEL BEAM GUARD RAIL
 STA 1+063.5 RT - STA 1+082.0 RT
 STA 1+065.5 LT - STA 1+081.0 LT
 STA 1+108.0 RT - STA 1+118.6 RT
 STA 1+108.6 LT - STA 1+124.2 LT

BRIDGE RAILING - HEAVY DUTY STEEL BEAM
FASCIA MOUNTED W/ STEEL TUBING W/
HANDRAIL
 STA 1+081.2 LT - STA 1+108.6 LT
 STA 1+082.0 RT - STA 1+108 RT

ANCHORS FOR STEEL BEAM GUARD RAIL
 STA 1+065.5 RT
 STA 1+067.5 LT
 STA 1+116.6 RT
 STA 1+122.2 LT

DRILLING AND BLASTING OF SUBGRADE
 STA 1+110 - STA 1+150

REMOVE FENCE
 STA 1+120 RT - STA 1+160 RT

DRIVE GATE (ALUMINUM MOD)
 STA 1+119 RT - STA 1+125 RT
 STA 1+056 RT - STA 1+063 RT

REMOVE AND RESET FENCE
 STA 1+115 LT - STA 1+160 LT
 STA 1+139 LT - STA 1+156.5 LT
 (ELECTRIC & BARBED WIRE FENCE)

CONSTRUCT DRIVES (GRAVEL)
 STA 1+059 RT
 STA 1+121 RT

CONSTRUCT STONE FILL, TYPE 1 DITCH
 STA 1+050 LT - STA 1+070 LT 077.7
 STA 1+127.5 LT - STA 1+160 LT
 126.1

NEW BARBED WIRE FENCE (2 STRANDS)
 STA 1+124.5 RT - STA 1+160 RT

SOLID ROCK EXCAVATION
 STA 1+110 LT - STA 1+128 LT

CURVE DATA
 $\Delta = 78.000^\circ$
 $R = 138.000 \text{ m}$
 $T = 111.680 \text{ m}$
 $L = 187.790 \text{ m}$
 $E = 39.530 \text{ m}$
 $BANK = 0.060$

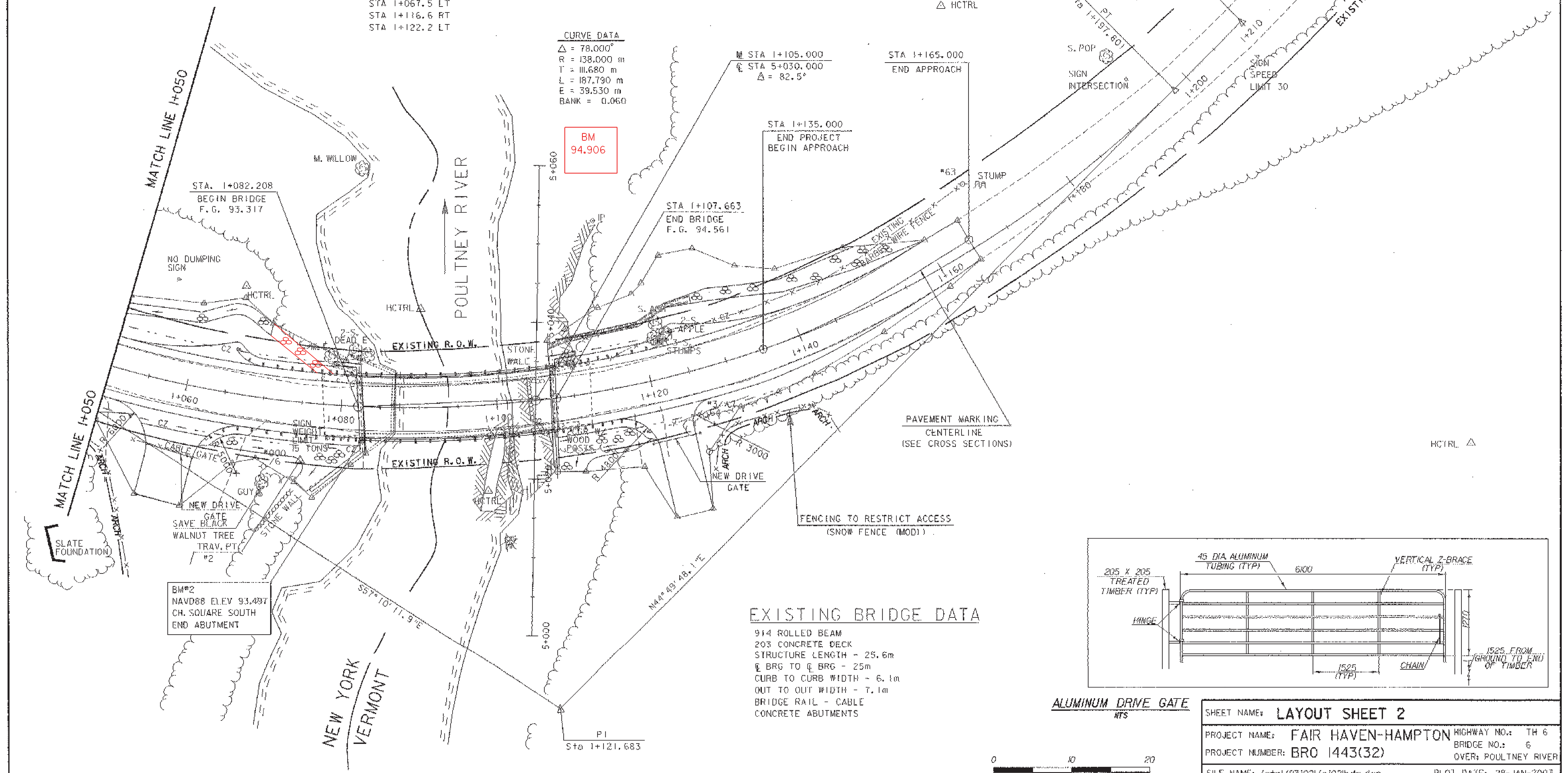
BM
94.906

M STA 1+105.000
 Q STA 5+030.000
 $\Delta = 82.5^\circ$

STA 1+165.000
 END APPROACH

STA 1+135.000
 END PROJECT
 BEGIN APPROACH

STA 1+107.663
 END BRIDGE
 F.G. 94.561

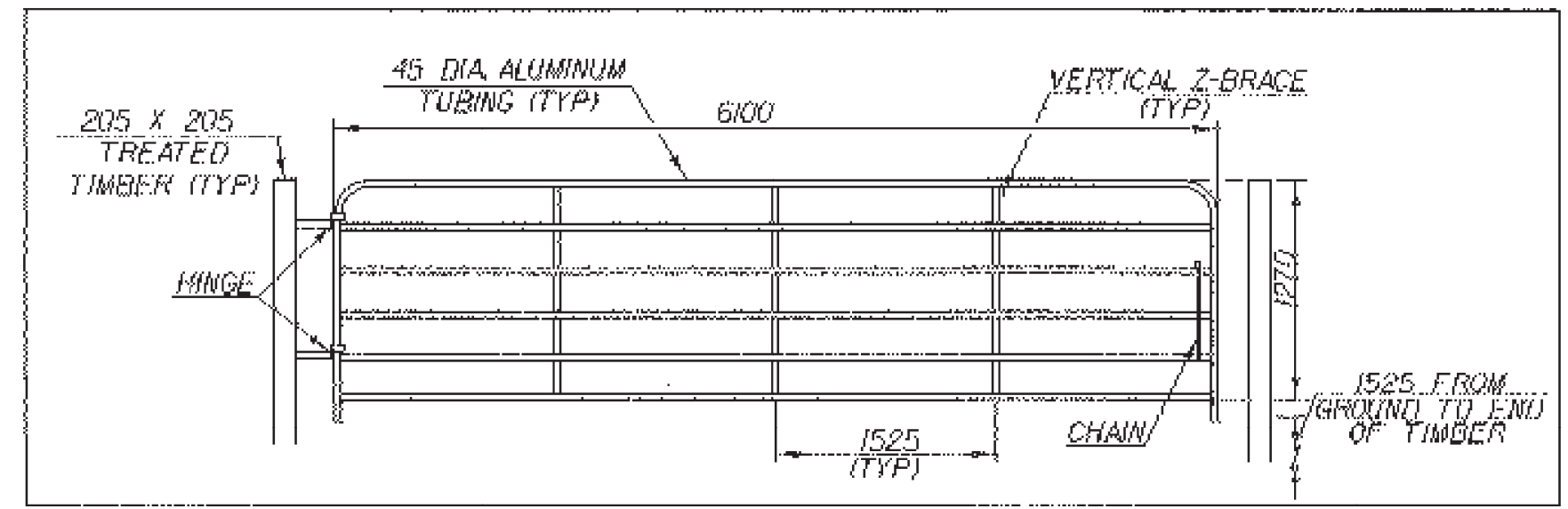


PAVEMENT MARKING
 CENTERLINE
 (SEE CROSS SECTIONS)

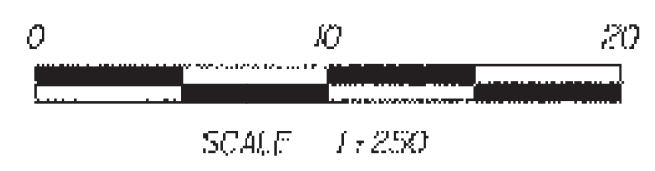
FENCING TO RESTRICT ACCESS
 (SNOW FENCE (MOD))

EXISTING BRIDGE DATA

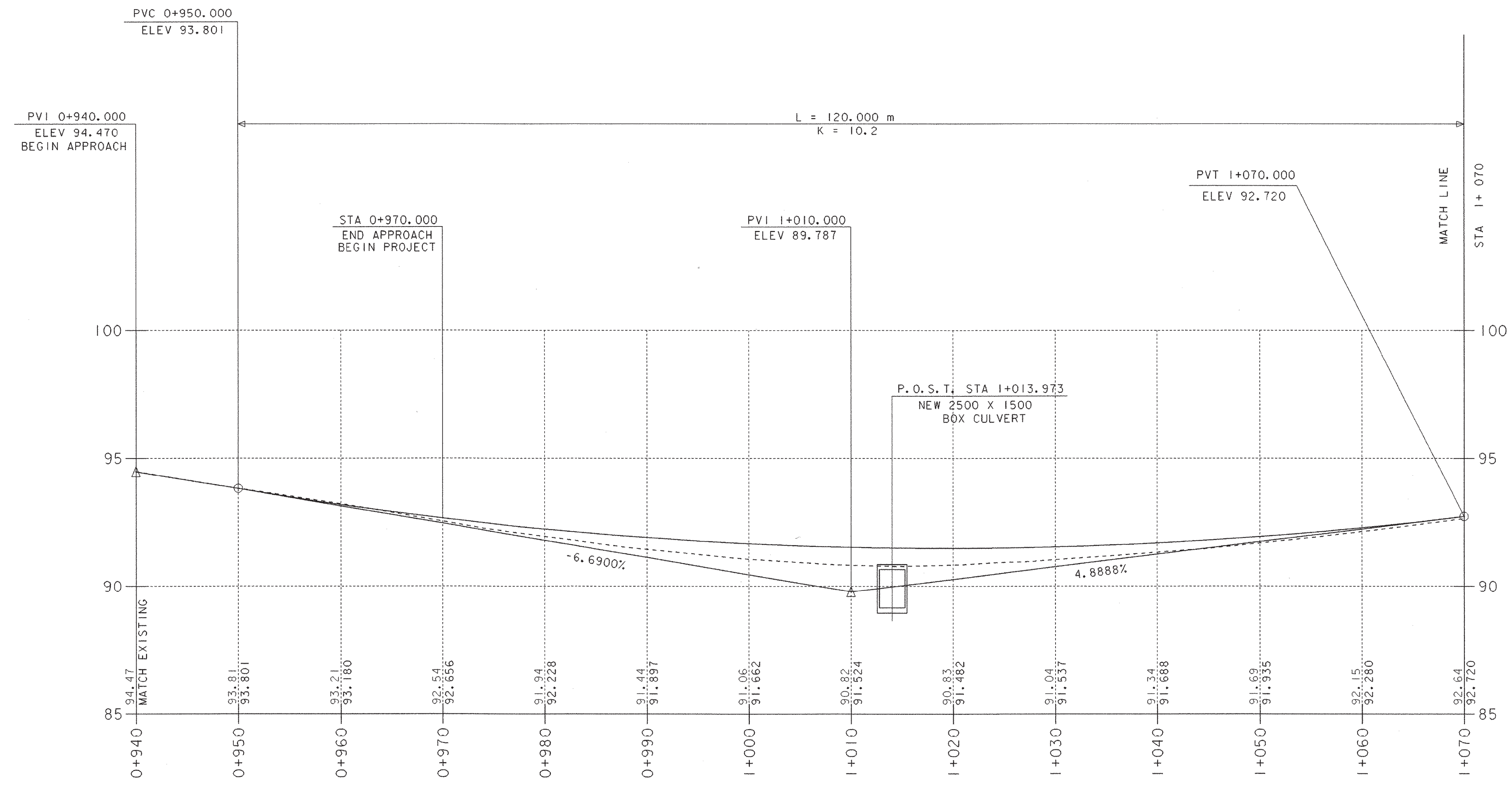
914 ROLLED BEAM
 203 CONCRETE DECK
 STRUCTURE LENGTH - 25.6m
 Q BRG TO Q BRG - 25m
 CURB TO CURB WIDTH - 6.1m
 OUT TO OUT WIDTH - 7.1m
 BRIDGE RAIL - CABLE
 CONCRETE ABUTMENTS



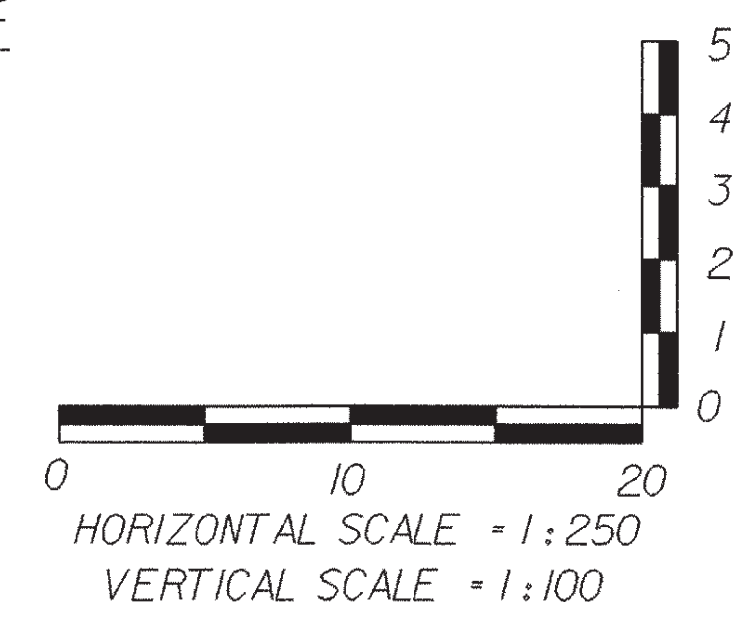
ALUMINUM DRIVE GATE
 NTS



SHEET NAME: LAYOUT SHEET 2	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/1/93j021/sj021bdr.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021a2.1
BRIDGE SHEET NUMBER:	SHEET 10 OF 53

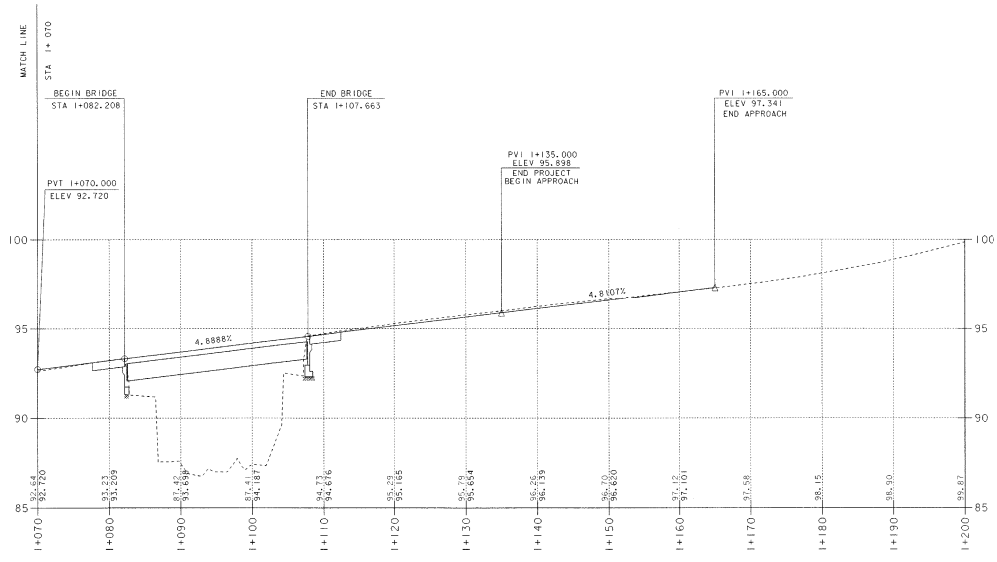


Profile



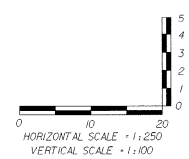
THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST THOUSANDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.

SHEET NAME: MAINLINE PROFILE	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STR1
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021pl1
BRIDGE SHEET NUMBER:	SHEET 11 OF 53

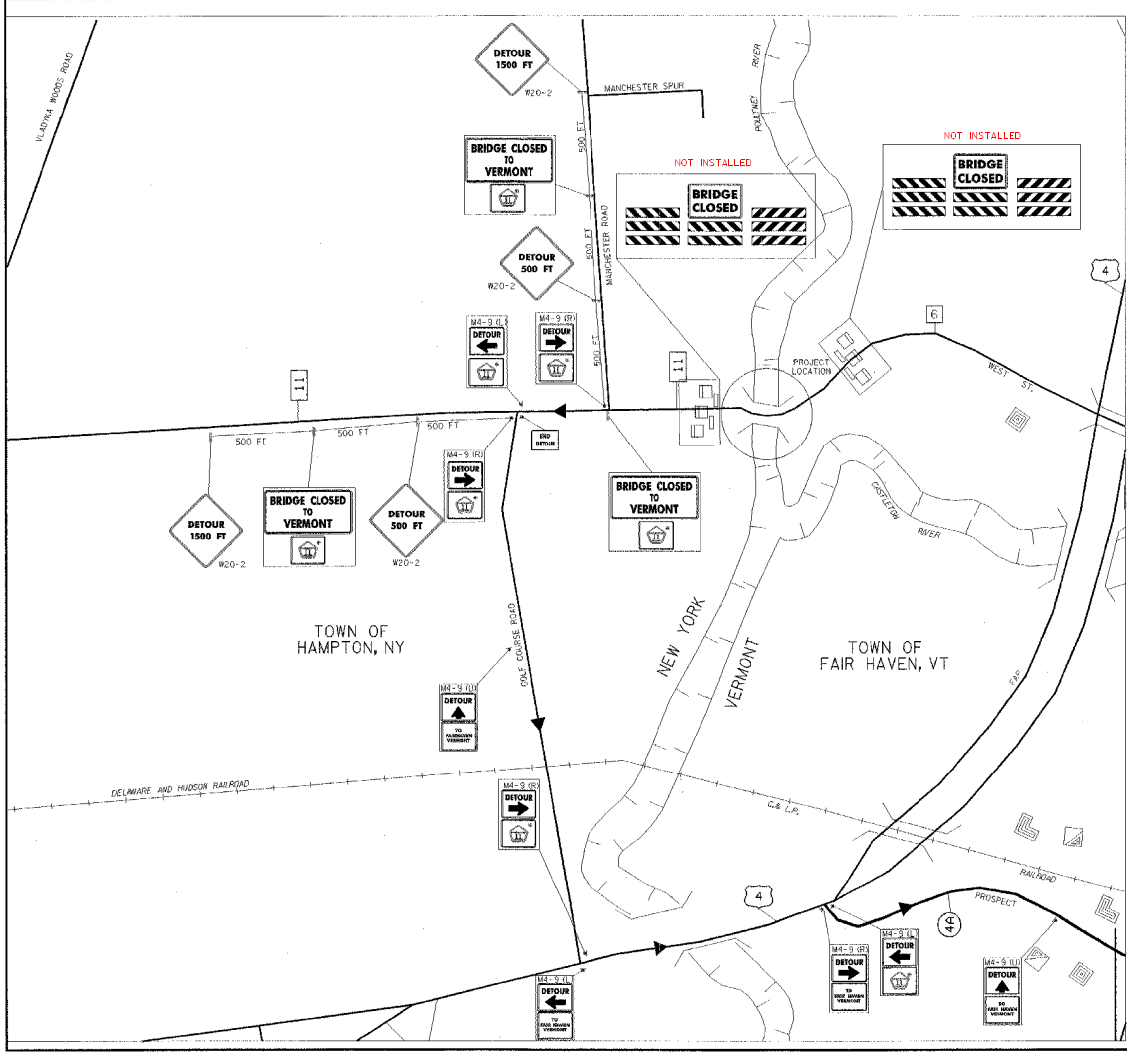


Profile

THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST THOUSANDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.



SHEET NAME: MAINLINE PROFILE	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TN 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
FILE NAME: /s11/93/02/sj021ks.dgn	OVER: POLTNEY RIVER
PROJECT MANAGER: G.S. ROGERS	PLOT DATE: 28-JAN-2003
DESIGNED BY: C. WEINER	DRAWN BY: STR
BRIDGE SHEET NUMBER:	IPARM NAME: 2100p21
	SHEET 12 OF 53



REQUIRED VT AOT STANDARDS

- E-100
- E-100AM
- E-102
- E-106
- E-107AM
- E-107M

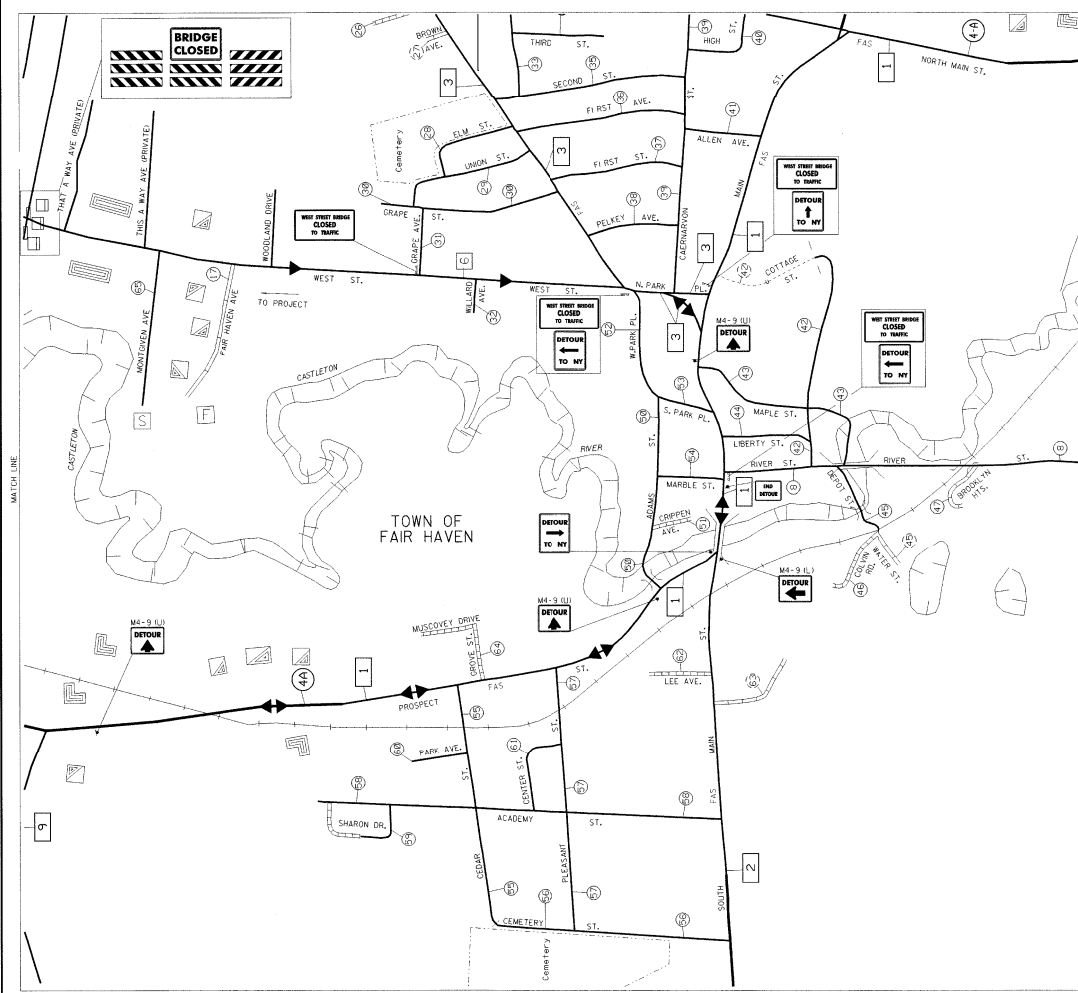
NOTES:

CONSTRUCTION APPROACH SIGNING AS SHOWN ON AOT STANDARD DRAWINGS E-100M WILL BE REQUIRED AS WELL AS ALL THE OTHER SIGNS.

* WASHINGTON COUNTY SIGNS TO BE PROVIDED TO THE CONTRACTOR BY WASHINGTON COUNTY, NY. CONTACT WILLY GRIMMKE, SUPERINTENDENT, WASHINGTON COUNTY @ (518) 746-2440

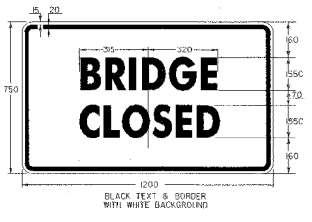
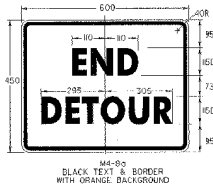
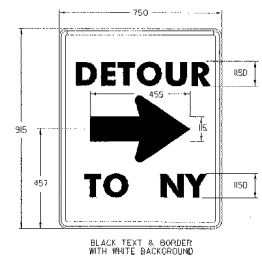
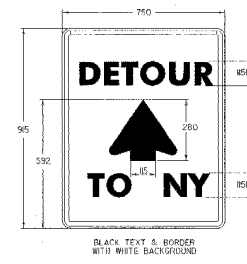
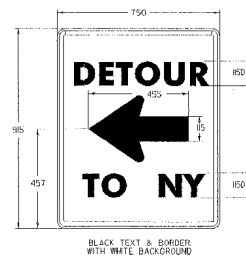
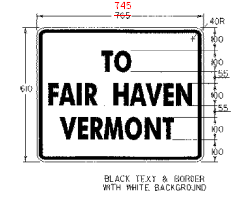
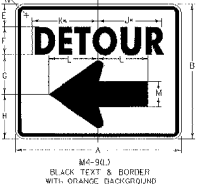
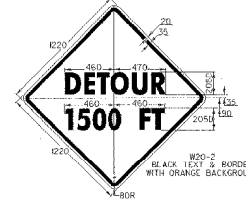
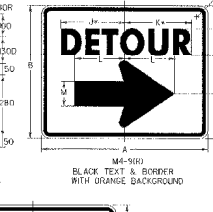
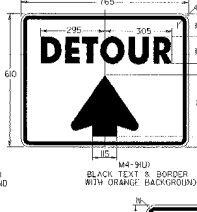
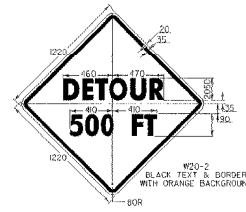
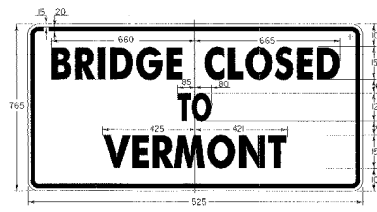
PLEASE NOTE: THE DETOUR HAS ENGLISH UNITS EXCEPT FOR SIGN DIMENSIONS

SHEET NAME: TRAFFIC DETOUR SHEET #1	
PROJECT NAME: FAIR HAVEN-HAMPTON HIGHWAY NO. 4	TR. N.
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OWNER: POLI, TNEY & WYER
FILE NAME: r8111/831021/8302110a.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: J. GILMORE
DESIGNED BY: C. BEUNEY	PRINT NAME: r8302110a
BRIDGE SHEET NUMBER:	SHEET 15 OF 53



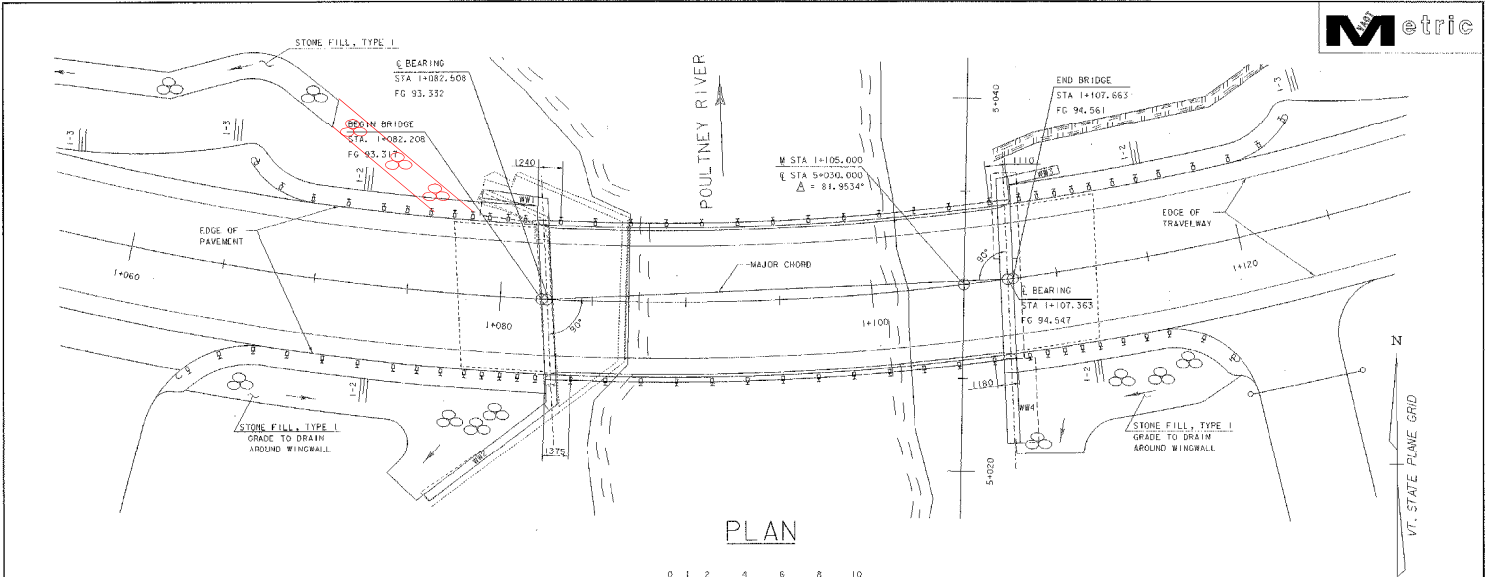
SHEET NAME: TRAFFIC DETOUR SHEET #2	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULNEY RIVER
FILE NAME: 2111793J02/21074.cad	PLT DATE: 28-JAN-2003
PROJECT MANAGER: C.S. RIGERS	DRAWN BY: J. CLAUDE
DESIGNED BY: C. MEUNER	PARM NAME: 2102mp2.j
BRIDGE SHEET NUMBER:	SHEET 14 OF 53

QUANTITY	SIGN LEGEND	SIGN DIMENSIONS		FLANGED CHANNEL h/g/m 3/0	TOTAL AREA SIGNS m ²
		WIDTH (mm)	HEIGHT (mm)		
2	W20-2	1220	1220	2 POSTS	2.377
2	W20-2	1220	1220	2 POSTS	2.977
4	M4-9 (R)	765	610	1 POST	1.867
4	M4-9 (L)	765	610	1 POST	1.867
5	M4-9 (U)	765	610	1 POST	2.333
3	W20-2	1525	765	2 POSTS	3.500
4	W20-2	745	610	1 POST	1.018
2	W20-2	500	450	1 POST	0.540
4	W20-2	1525	765	2 POSTS	4.667
NOT 2 INSTALLED	W20-2	1525	765	1 POST	2.333
1	M4-9 (U)	750	915	1 POST	0.686
2	M4-9 (L)	750	915	1 POST	1.373
1	M4-9 (R)	750	915	1 POST	0.686

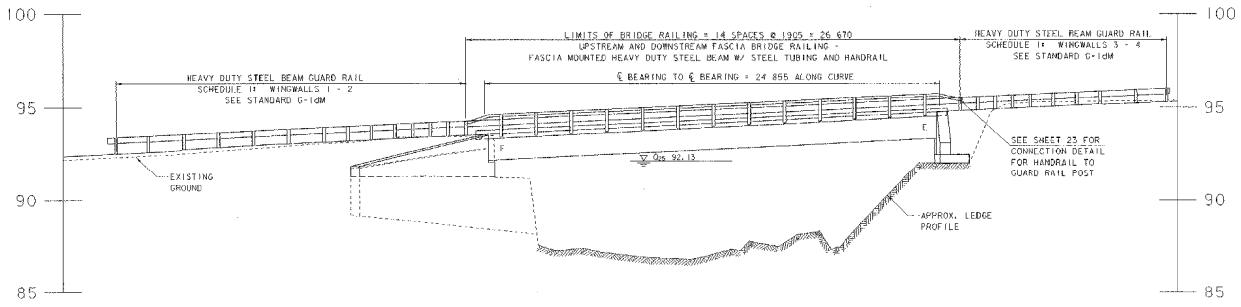
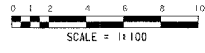


SIGN	DIMENSIONS (INCHES)											# REDUCE SPACING 40%	
	A	B	C	D	E	F	G	H	J	K	L		M
STD.	765	610	10	15	100	100	175	205	295	305	230	15	40
SPECIAL	1220	915	15	25	155	205	255	305	495	565	345	180	60
SPECIAL	1520	1220	20	35	205	255	315	410	585	610	460	230	80

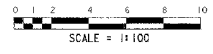
SHEET NAME: TRAFFIC DETOUR SIGNING SHEET
 PROJECT NAME: FAIR HAVEN-HAMPTON HIGHWAY 104 TH 6
 PROJECT NUMBER: BRO 1443(32) BRIDGE NO. 6
 OVER: POULTNEY RIVER
 FILE NAME: /s/ffv/93302/sj021.cad.dgn PLOT DATE: 28-JAN-2003
 PROJECT MANAGER: G.S. ROGERS DRAWN BY: J. CALMORE
 DESIGNED BY: G. KELLNER P/ARM NAME: 93J02103.11
 BRIDGE SHEET NUMBER SHEET 15 OF 53



PLAN



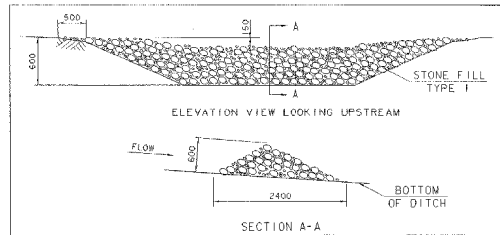
ELEVATION



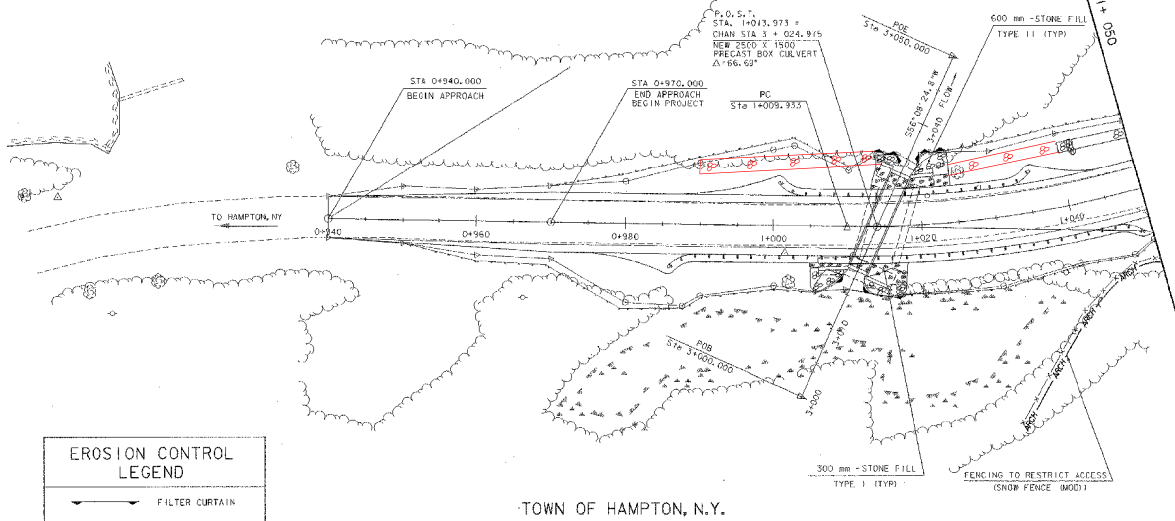
SHEET NAME: PLAN AND ELEVATION SHEET	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: 104
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVERS: POULTNEY RIVER
FILE NAME: /etc/1/03/02/030206.dwg	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: S.S. ROGERS	DRAWN BY: STB
DESIGNED BY: C. WELCHER	PARM NAME: s302p.e1
BRIDGE SHEET NUMBER:	SHEET 16 OF 53

NOTES:

1. USE THIS SHEET IN CONJUNCTION WITH STANDARDS T1M AND T2M.
2. AN ALTERNATE EROSION CONTROL PLAN MAY BE SUBMITTED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER.
3. THE CONTRACTOR WILL USE OTHER TEMPORARY OR PERMANENT EROSION CONTROL MEASURES AS REQUIRED BY THE CONSTRUCTION SEQUENCE AND THE RESIDENT ENGINEER. (SEE SECTION 605.23 OF THE VERMONT STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011).
4. THE CONTRACTOR SHALL SUBMIT A PLAN FOR MAINTAINING STREAM FLOW DURING PLACEMENT OF THE PRECAST BOX UNITS PRIOR TO THE START OF THIS WORK.

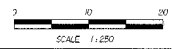


ROCK CHECK DAM
NOT TO SCALE

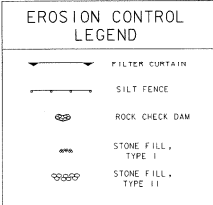


EROSION CONTROL LEGEND	
	FILTER CURTAIN
	SILT FENCE
	ROCK CHECK DAM
	STONE FILL, TYPE I
	STONE FILL, TYPE II

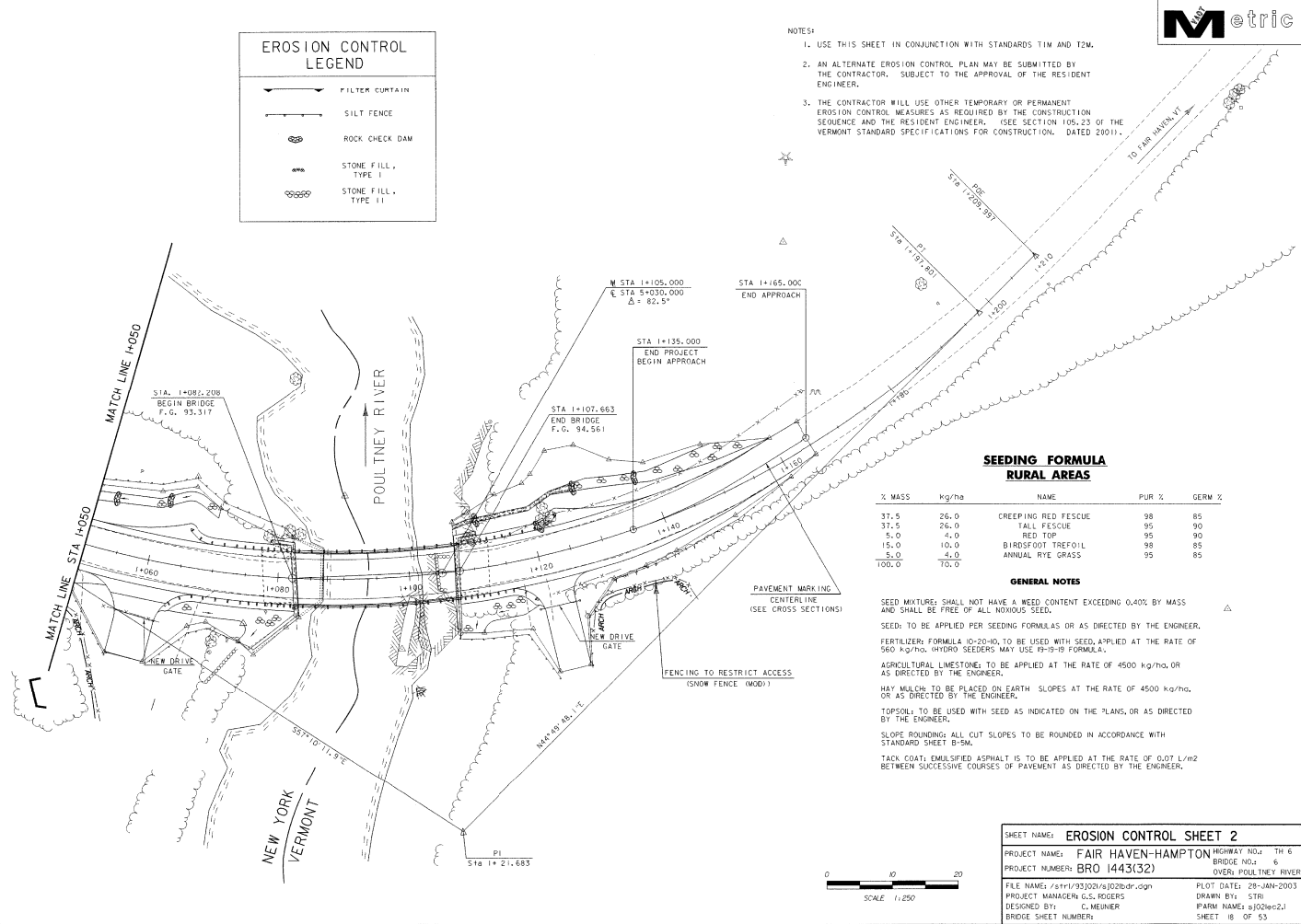
TOWN OF HAMPTON, N.Y.



SHEET NAME: EROSION CONTROL SHEET I	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO: TM 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO: 6
OVER: POULTNEY RIVER	
FILE NAME: s:\trf\93021\9302b-dr.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: C.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MELNER	ISSUE NAME: 9302b-01
BRIDGE SHEET NUMBER:	SHEET 17 OF 53



- NOTES:
1. USE THIS SHEET IN CONJUNCTION WITH STANDARDS T1M AND T2M.
 2. AN ALTERNATE EROSION CONTROL PLAN MAY BE SUBMITTED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER.
 3. THE CONTRACTOR WILL USE OTHER TEMPORARY OR PERMANENT EROSION CONTROL MEASURES AS REQUIRED BY THE CONSTRUCTION SEQUENCE AND THE RESIDENT ENGINEER. (SEE SECTION 105.23 OF THE VERMONT STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001).



SEEDING FORMULA RURAL AREAS

% MASS	kg/ha	NAME	PUR %	GERM %
37.5	26.0	CREEPING RED FESCUE	98	85
37.5	26.0	FALL FESCUE	95	90
5.0	4.0	RED TOP	95	90
15.0	10.0	BIRDFOOT TREFOIL	98	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.0	70.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 0-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha. HYDRO SEEDERS MAY USE 19-19-19 FORMULA.

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.

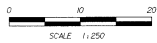
MAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5M.

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.07 L/m² BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

SHEET NAME: EROSION CONTROL SHEET 2	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: 2/11/19/32016/32026-ar.dgn	PLOT DATE: 20-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STR
DESIGNED BY: C. MEINER	FARM NAME: s102hec2.1
BRIDGE SHEET NUMBER:	SHEET 18 OF 53

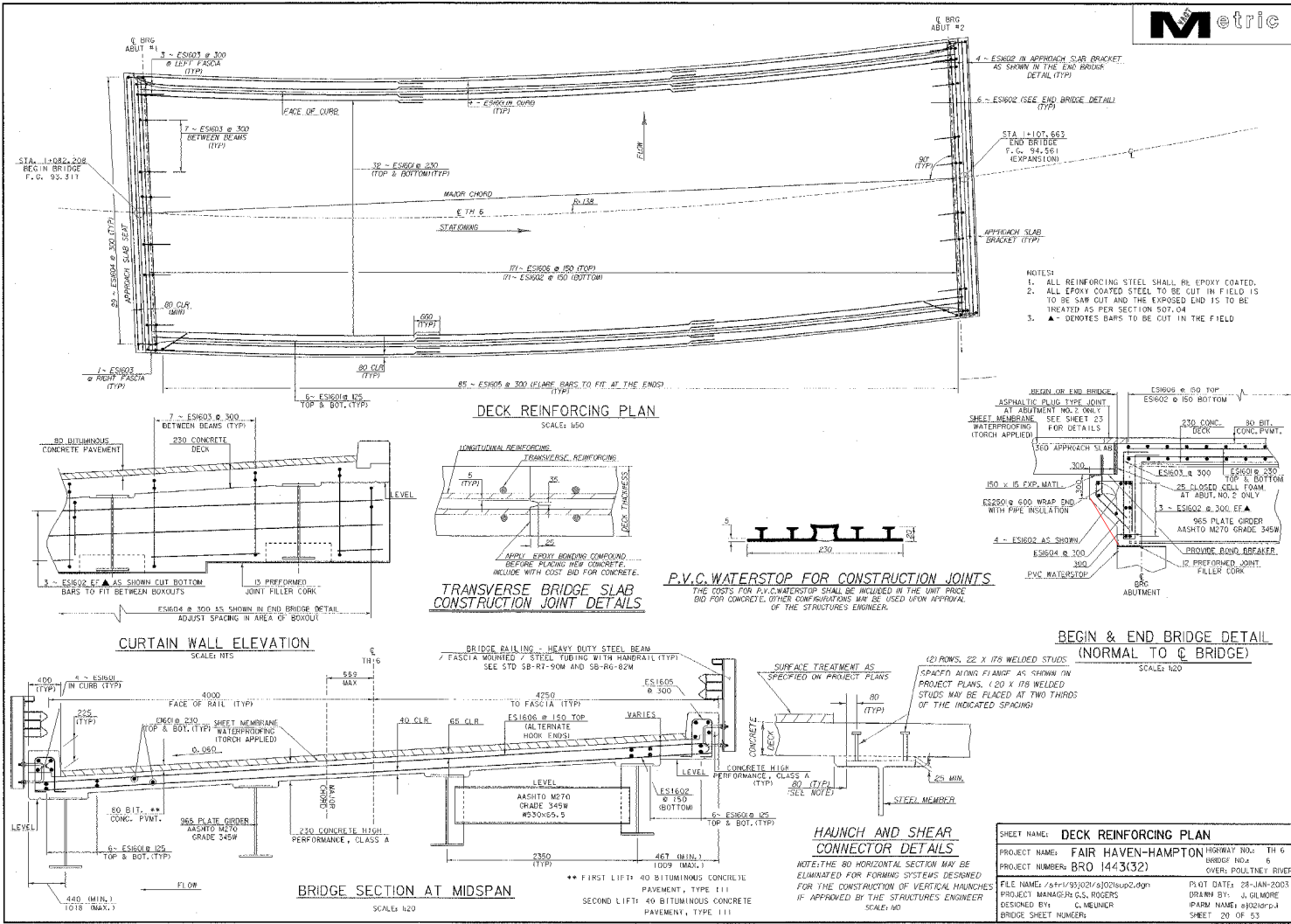


GENERAL NOTES



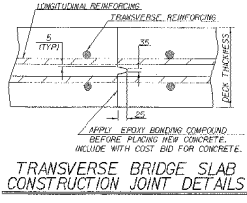
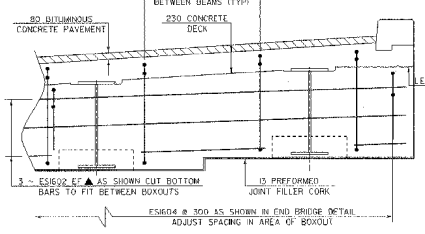
1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATE 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SIXTEENTH EDITION, AND ITS LATEST REVISIONS.
 2. BRIDGE IS DESIGNED FOR MS 22.5 LIVE LOAD WITH NO ALLOWANCE FOR FUTURE INCREASE.
 3. a) IN-STREAM CONSTRUCTION SHALL BE RESTRICTED TO JUNE 1 TO OCTOBER 1, UNLESS THE CONTRACTOR OBTAINS WAIVER PERMISSION FROM THE AGENCY OF TRANSPORTATION AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TO DO WORK OUTSIDE OF THAT TIME FRAME.
b) THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL APPLICABLE ENVIRONMENTAL PERMITS AND INSURE THAT ALL CONDITIONS ARE MET.
 4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION OR POLLUTION, ESPECIALLY THE DISCHARGE OF FRESH CONCRETE, INTO ANY BROOK, STREAM OR RIVER.
 5. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 20 DEGREES C UNLESS OTHERWISE NOTED.
 6. THE HEIGHT OF FILL BEHIND ABUTMENTS WILL BE LIMITED TO THE BRIDGE SEAT ELEVATION UNTIL THE DECK HAS BEEN FORMED AND THE CURBING PERIOD IS REACHED.
 7. THE EXISTING STRUCTURAL STEEL ON THIS PROJECT WAS PAINTED WITH A MATERIAL WHICH MAY CONTAIN LEAD. THE REMOVED STRUCTURAL STEEL IS THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL UNDERSTAND AND HOLD THE STATE, ITS OFFICERS, AND EMPLOYEES HARMLESS CONCERNING THE CONTRACTOR'S USE OR DISPOSITION OF THE STRUCTURAL STEEL.
 8. THE EXISTING SUBSTRUCTURES INCLUDING THE RAMM, DECK AND WALLING SHALL BE REMOVED DOWN TO THE EXISTING BRIDGE SEATS. THIS WORK SHALL BE PAID FOR UNDER THE ITEM 520.20, "PARTIAL REMOVAL OF STRUCTURE".
 9. PAYMENT FOR REMOVAL OF EXISTING RETAINMENT FENCING ON THE BRIDGE SHALL BE MADE UNDER THE ITEM 501.00, "REMOVAL OF BRIDGE FENCING". THE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY AT AN OFFSITE LOCATION.
 10. PAYMENT FOR REMOVAL OF PORTIONS OF THE EXISTING ABUTMENT NO. 1 AND VIGNALLS 1 & 2 TO THE ELEVATIONS INDICATED ON THE PLANS SHALL BE PAID FOR UNDER THE ITEM 229.20, "REMOVAL OF CONCRETE OR MASONRY".
 11. THE EXISTING ABUTMENT NO. 2 AND VIGNALLS 3 & 4 SHALL BE REMOVED IN ITS ENTIRETY. THIS WORK WILL BE PAID FOR UNDER THE ITEM 204.10, "DEMOLITION OF STRUCTURE".
 12. TEMPORARY FENCING SHALL BE PLACED BETWEEN STATIONS 1+03.97 - 1+04.87 AS WELL AS BETWEEN STATIONS 1+113.8 - 1+118.7 TO RESTRICT ACCESS TO THE AREA THAT ARE ARCHAEOLOGICALLY SENSITIVE. THIS WORK WILL BE PAID FOR AS PER ITEM 620.10, "WORK FENCING" (M001).
 13. a) PAYMENT FOR REMOVAL AND RESETTING OF FENCING BETWEEN STATIONS 1+118.17 - 1+120.12 AND THE ELECTRIC FENCE BETWEEN STA 1 - 139.17 - STA 1 + 156.5.17 SHALL BE PAID UNDER THE ITEM 620.10, "REMOVING AND RESETTING FENCE" (M001).
b) NEW GATES SHALL BE INSTALLED BETWEEN STA 1+156.87 - STA 1+163.87 AND STA 1+119.87 - STA 1+125.87. THE DETAILS FOR THESE GATES ARE ON SHEET 10. THE WORK TO CONSTRUCT THESE GATES WILL BE PAID FOR UNDER THE ITEM 620.10 "GATE FOR CHAIN LINK-FENCE, 1.86M/6'00". THE NEW GATES WILL BE ATTACHED TO 105 X 205 TREATED TIMBER POSTS LOCATED TO THE LEFT AND RIGHT OF THE GATE. THE POSTS AND THE WORK INVOLVED IN ATTACHING THE GATE WILL BE INCIDENTAL TO THE ITEM 620.10 "GATE FOR CHAIN LINK-FENCE, 1.86M/6'00".
 14. THE EXISTING SIGN BCP LOCATED AT APPROXIMATELY STATIONS 1+012 AND 1+018 AND THE CONCRETE BUFFER MASONRY WALLS SHALL BE REMOVED IN ITS ENTIRETY UNDER THE ITEM "STRUCTURE DEMOLITION".
- CONCRETE**
15. THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT. ANY UPWARD KEY SHALL BE PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
 16. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 23 mm BY 23 mm.
JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
SPACING + - 5 mm
CLEARANCE + - 3 mm
18. ALL REINFORCING STEEL SHALL BE DETAILER AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
 19. REINFORCING PLACEMENT TOLERANCES SHALL BE:
SPACING + - 5 mm
CLEARANCE + - 3 mm
 20. MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS DETAILER IN THE PROJECT PLANS.
 21. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL. OTHER BEARING SEAT AREAS SHALL BE SLOPED 1:6. - SLOPED SEATS SHALL BE SLOPED FULL WIDTH TOWARD THE CENTER STRIP. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE SMOOTHED WITH EITHER A WOOD OR IRON/STEEL FEAT FINISH.
 22. WORK DEER IS TO BE DONE IN ONE POUR WITHIN A MAXIMUM OF EIGHT HOURS. IF PERFORMANCE BEFORE THE CONTRACTOR'S CONTROL POINTS DOES NOT BEING ACCOMPLISHED, A MINIMUM DELAY OF EIGHTY-SIX (96) HOURS BETWEEN THE COMPLETION OF ONE BAY'S POUR AND THE BEGINNING OF ANY OTHER POUR WILL BE ADMISED TO. SEE SHEET 20 FOR DETAILS OF TRANSVERSE BRIDGE SLAB CONSTRUCTION JOINTS.
 23. WATER REPLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDES OF THE DECK BETWEEN THE DECK BEAMS. THE EXISTING CONCRETE AT ABUTMENT NO. 1 THAT IS EXPOSED SHALL ALSO HAVE WATER REPLENT APPLIED TO THE SURFACE.
 24. NO CONCRETE IN THE ABUTMENTS OR VIGNALLS SHALL BE PLACED ABOVE THE BRIDGE SEAT ELEVATIONS UNTIL THE JOINTS HAVE BEEN PROTECTED AND THE FINISHED GRADE OF THE DECK HAS BEEN ESTABLISHED.
 25. AFTER THE SUPERSTRUCTURE HAS BEEN DETAILER, ELEVATIONS SHALL BE TAKEN ALONG THE TOP OF THE BENCH/GRADERS, AS DIRECTED BY THE RESIDENT ENGINEER, FOR USE IN DETERMINING THE FINISHED GRADE.
 26. ALL STRUCTURE CONCRETE AND THE APPROACH SLABS SHALL BE CONCRETE, HIGH PERFORMANCE CLASS 8, UNLESS OTHERWISE NOTED.
 27. THE DECK AND CURBS SHALL BE CONCRETE, HIGH PERFORMANCE CLASS 8.
- STRUCTURAL STEEL**
28. ALL STRUCTURAL STEEL SHALL BE DETAILER AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
 29. ANY CONNECTIONS THAT ARE NOT DETAILER ON THE PLANS SHALL BE DETAILER BY THE FABRICATOR AND SUBMITTED TO THE STRUCTURES ENGINEER FOR APPROVAL.
 30. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF VERMONT SPECIFICATION 596.10.
 31. ALL MEMBERS HARDER (C08) MUST MEET THE CHARPY V-TWO-IMPACT TESTING REQUIREMENTS AS INDICATED IN SECTION 714 OF THE VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS FOR CONSTRUCTION.
 32. ANY BOLDS IN THE WELD OF THE PLAGIA WELDS/STITCHES THAT ARE NOT CHAMFERED FILLED, SHALL BE FILLED WITH EITHER BOTTOM HEAD OR HEX HEAD BOLDS MEETING ASTM SPECIFICATION 3301, TYPE 1.
 33. ALL FIELD CONNECTIONS SHALL BE MADE WITH 21 mm DIAMETER A5030 DESIGNATION R 1/4M 270 113 80235 IN 24 mm DIAMETER HOLES.
THE DESIGN OF THE PILING BRACES SHALL BE LEFT UP TO THE CONTRACTOR BUT SHALL BE LIMITED TO A MAXIMUM OF 1.220 METER SPACING.
NOT USED
- TEMPORARY DETOUR**
36. PAIR HAYEN, VT, TOWN HIGHWAY 46 (WASHINGTON COUNTY, NY, COUNTY ROAD 11) IS TO BE CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION.
 37. THE CONTRACTOR SHALL NOTIFY MIEE ABBASLOW, TOWN MANAGER, TOWN OF PAIR HAYEN, VT AT (802) 265-3010 AND WILLY GARBERG, SUPERINTENDENT, WASHINGTON COUNTY, NEW YORK AT (518) 746-2440. A MINIMUM OF TWO (2) WEEKS PRIOR TO CLOSING THE ROAD.
38. a) THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE DETOUR SIGN FOR THE DURATION OF THE BRIDGE. THE DETOUR SIGN MESSAGE IS SHOWN ON SHEETS 13-15. ALL SIGNS MUST BE INSTALLED PRIOR TO CLOSURE OF THE BRIDGE.
b) THE INSTALLATION OF THE DETOUR SIGNS AND ANY ADDITIONAL SIGNS NOT INCLUDED IN THE DETOUR PLAN BUT DEEMED NECESSARY BY THE RESIDENT ENGINEER SHALL BE PAID FOR AS PER ITEM 675.20, "TRAFFIC SIGNS, TYPE A" AND ITEM 675.30, "FLANGED CHANNEL SIGN POST" (M001).
c) ALL DETOUR SIGNS AND POSTS SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER. THE SIGNS AND POSTS WILL BECOME THE PROPERTY OF THE CONTRACTOR. THE WORK TO REMOVE THE SIGNS AND POSTS SHALL BE PAID FOR AS PER ITEM 675.20, "TRAFFIC SIGNS, TYPE A" AND ITEM 675.30, "FLANGED CHANNEL SIGN POST" (M001).
d) ALL WASHINGTON COUNTY SIGNS USED FOR THE DETOUR SHALL BE RETURNED TO WASHINGTON COUNTY. THE CONTRACTOR SHALL SPECIFICALLY THREE SIGNS UNTIL WASHINGTON COUNTY IS ABLE TO PICK UP THE SIGNS. CONTACT WILLY GARBERG, SUPERINTENDENT, WASHINGTON COUNTY AT (518) 746-2440.
e) IF THE CONTRACTOR HAS TO REMOVE AND RESET DETOUR SIGNS DUE TO IMPROPER PLACEMENT OR SIGN DURATION PROBLEMS AS ORDERED BY THE ENGINEER, THE WORK NECESSARY TO COMPLETE THIS TASK WILL BE INCIDENTAL TO THE ITEM 641.10, "TRAFFIC CONTROL".
 39. IF THE CONTRACTOR HAS TO REMOVE AND RESET DETOUR SIGNS, AS DEEMED NECESSARY BY THE RESIDENT ENGINEER, WILL BE CONSIDERED INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
 40. THE REMOVAL, COVERING AND/OR RESETTING OF EXISTING TRAFFIC SIGNS, AS DEEMED NECESSARY BY THE RESIDENT ENGINEER, WILL BE CONSIDERED INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
 41. THE COST OF ALL ON-PROJECT SIGNING AND BARRIADGES SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
 42. ACCESS TO DRIVERS SHALL BE MAINTAINED. WHEN THE CONTRACTOR MUST TEMPORARILY RESTRICT ACCESS TO THE DRIVERS, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS IN ADVANCE. THIS WORK WILL BE PAID FOR UNDER THE ITEM 641.10, "TRAFFIC CONTROL".
 43. EXISTING TRAFFIC SIGNS AND SIGN POSTS (AS SHOWN ON SHEET 34) SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR. THIS WORK WILL BE PAID FOR UNDER THE ITEM 615.50, "REMOVING SIGNS".
- LEADS**
44. NO BORINGS WERE TAKEN ON THIS PROJECT. SUBSURFACE CONDITIONS MAY VARY FROM THE CONDITIONS ASSUMED FOR DESIGN. ROAD BOUNDRIES WERE PERFORMED TO DETERMINE THE APPROXIMATE DEPTH OF THE LEADS.
 45. IF LEADS IS DISCOVERED MORE THAN 600 mm BELOW THE INDICATED BOTTOM OF FOOTING ELEVATIONS AS SHOWN ON THE PLANS, THE STRUCTURES SECTION SHALL BE CONTACTED. PROFILES OF THE LEADS MAY BE REQUIRED TO VERIFY THE FOOTING ELEVATIONS AND SIZE. NO FURTHER WORK SHALL BE DONE ON THE FOOTING UNTIL A REPORT IS RECEIVED FROM THE STRUCTURES SECTION.
 46. FOOTING SHALL BE PLACED ON ROCK, CLEAN SAND, ALL OVER BRIDGE BELOW INDICATED BOTTOM OF FOOTING SHALL BE REPLACED WITH "CONCRETE, HIGH PERFORMANCE CLASS 8". A MAXIMUM OF 150 mm AVERAGE DEPTH SHALL BE PAID FOR AS "CONCRETE, HIGH PERFORMANCE CLASS 8". ANY ADDITIONAL CONCRETE PROVIDED SHALL BE PAID AT THE CONTRACTOR'S EXPENSE. THESE QUANTITIES HAVE BEEN ADDED TO THE QUANTITY SHEET.
 47. AN ESTIMATED QUANTITY OF THE ITEM 205.20 "SPALLING AND REPAIRING OF SOLID ROCK SURFACE", HAS BEEN INCLUDED AS LEADS EXIST IN THE PROJECT AREA. IF LEADS IS DISCOVERED BELOW INDICATED BOTTOM OF FOOTING, THE QUANTITY OF ITEM 205.20 TO BE PAID WILL BE DETERMINED BY THE RESIDENT ENGINEER. REMOVAL OF BRACKEN ROCK NEARBY WILL BE PAID UNDER THE ITEM 203.16 "SOLID ROCK REPAIR/WORK".
- PRECAST CONCRETE BOX**
48. THE CONTRACTOR SHALL SUBMIT A PLAN TO THE STRUCTURES SECTION FOR MAINTAINING STREAM FLOW DURING CONSTRUCTION OF THE BOX OUTLET. A PLAN ACCEPTABLE TO THE STRUCTURES ENGINEER MUST BE RECEIVED PRIOR TO ANY WORK ON OR NEAR THE EXISTING OUTLET.
 49. ALL ADDITIONAL NOTES PERTAINING TO THE CONCRETE BOX ARE ON SHEET 10.

PROJECT NAME:	FAIR HAVEN - HAMPTON		
PROJECT NUMBER:	BRO 1443(32)		
FILE NAME:	wp183021w021gen.dwg	PLOT DATE:	11/01
PROJECT LEADER:	G.S. ROGERS	DRAWN BY:	J. GILMORE
CHECKED BY:	C. MEUNIER	CHECKED BY:	
GENERAL NOTES SHEET:		SHEET	19 OF 53

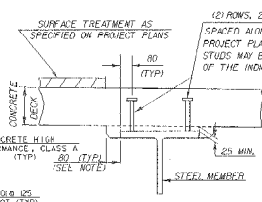
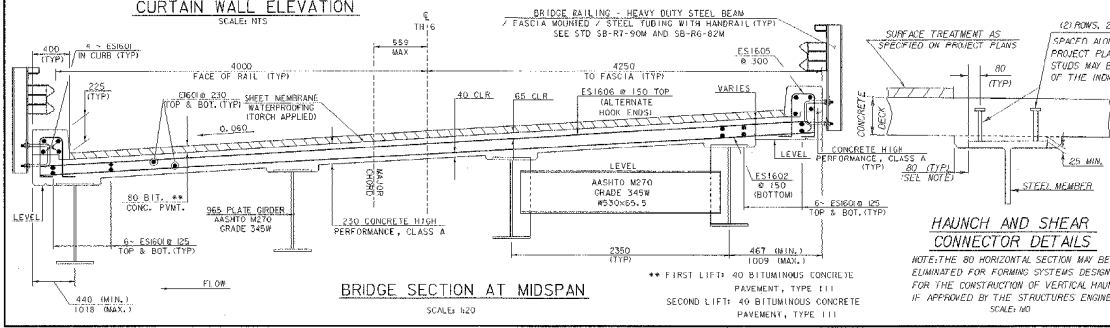
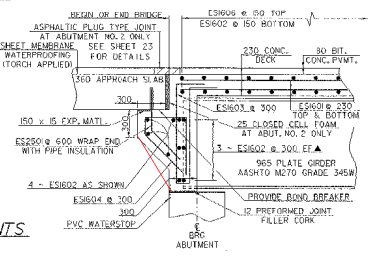


- NOTES:
1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
 2. ALL EPOXY COATED STEEL TO BE CUT IN FIELD IS TO BE SAW CUT AND THE EXPOSED END IS TO BE TREATED AS PER SECTION 607.04
 3. ▲ DENOTES BARS TO BE CUT IN THE FIELD

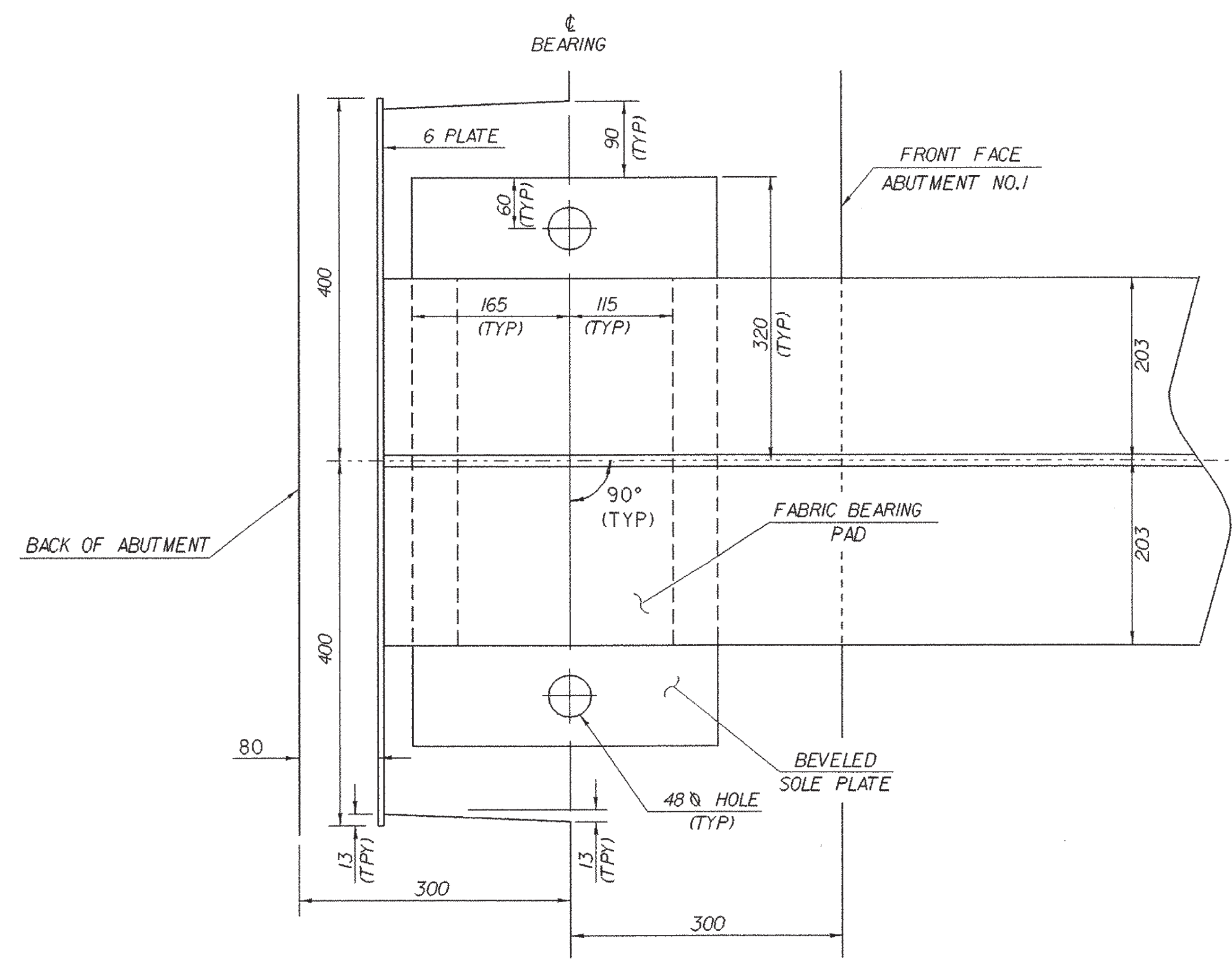
DECK REINFORCING PLAN
SCALE: 1/50



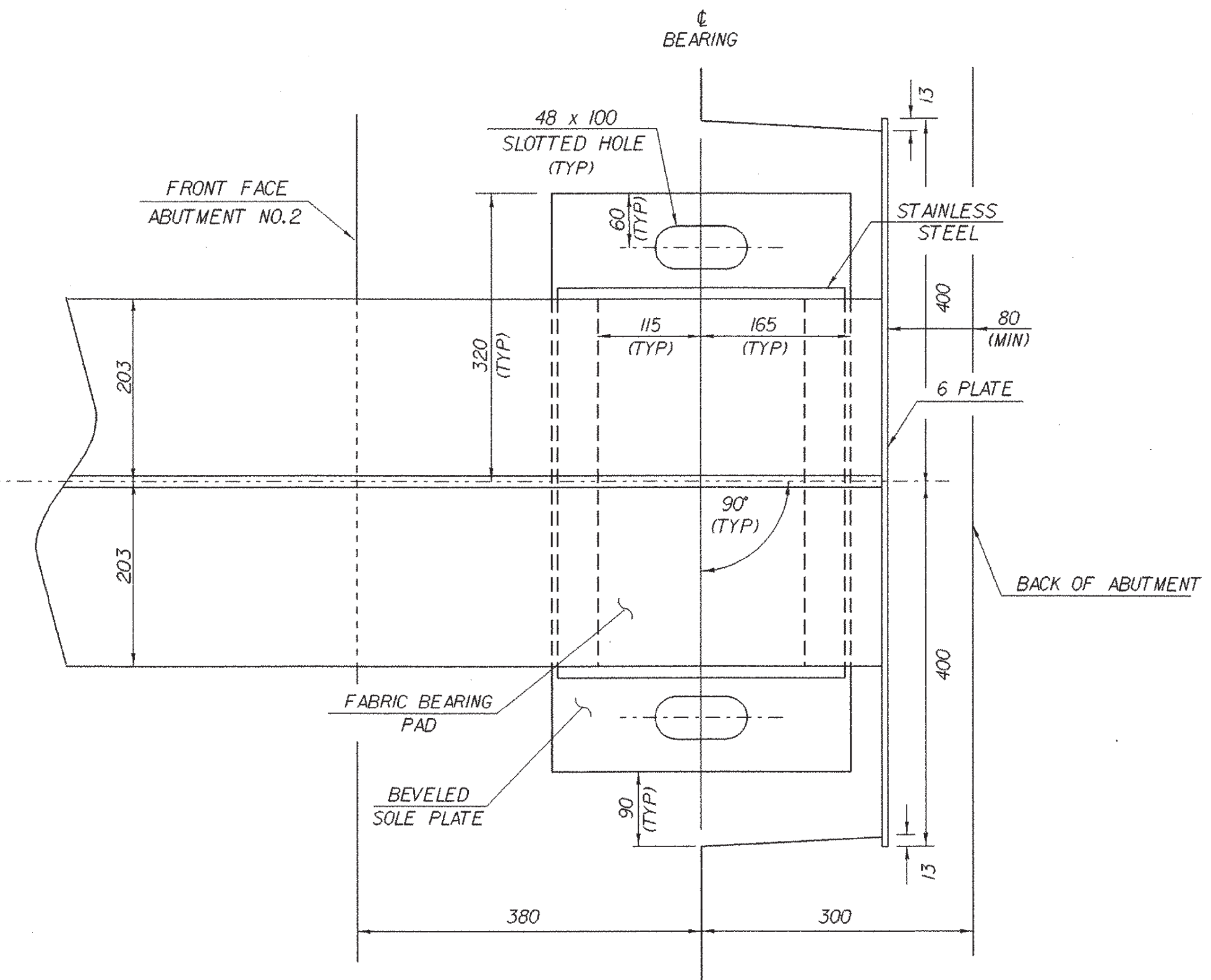
P.V.C. WATERSTOP FOR CONSTRUCTION JOINTS
THE COSTS FOR P.V.C. WATERSTOP SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE. OTHER CONFIGURATIONS MAY BE USED UPON APPROVAL OF THE STRUCTURES ENGINEER.



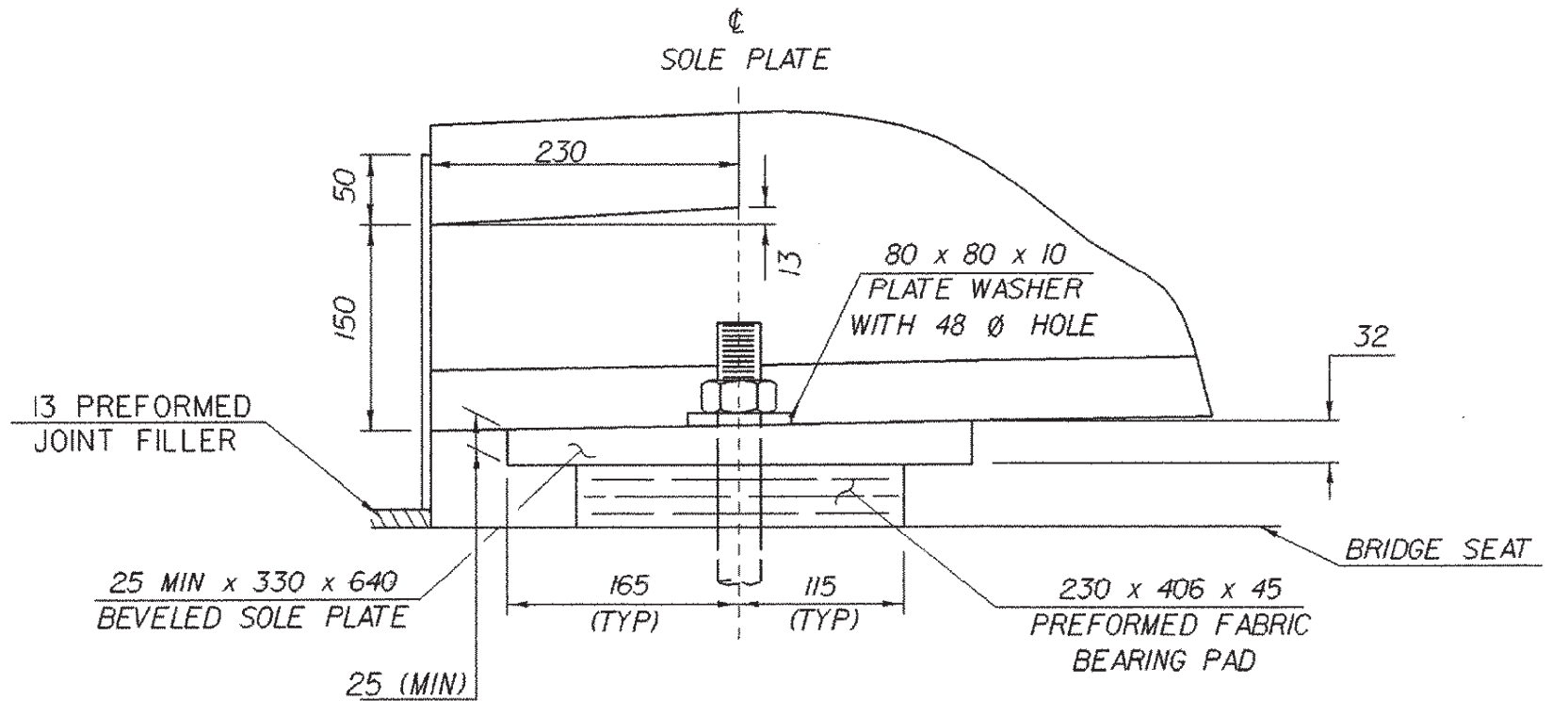
SHEET NAME: DECK REINFORCING PLAN	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BR0 1443(32)	BRIDGE NO.: 6
FILE NAME: 1911/05/02/1402/1402.dwg	OVER: POLTNEY RIVER
DESIGNED BY: G. MEUNIER	PILOT DATE: 28-JAN-2003
BRIDGE SHEET NUMBER:	DRAWN BY: J. GILMORE
	PARM NAME: #10210r.p.1
	SHEET 20 OF 53



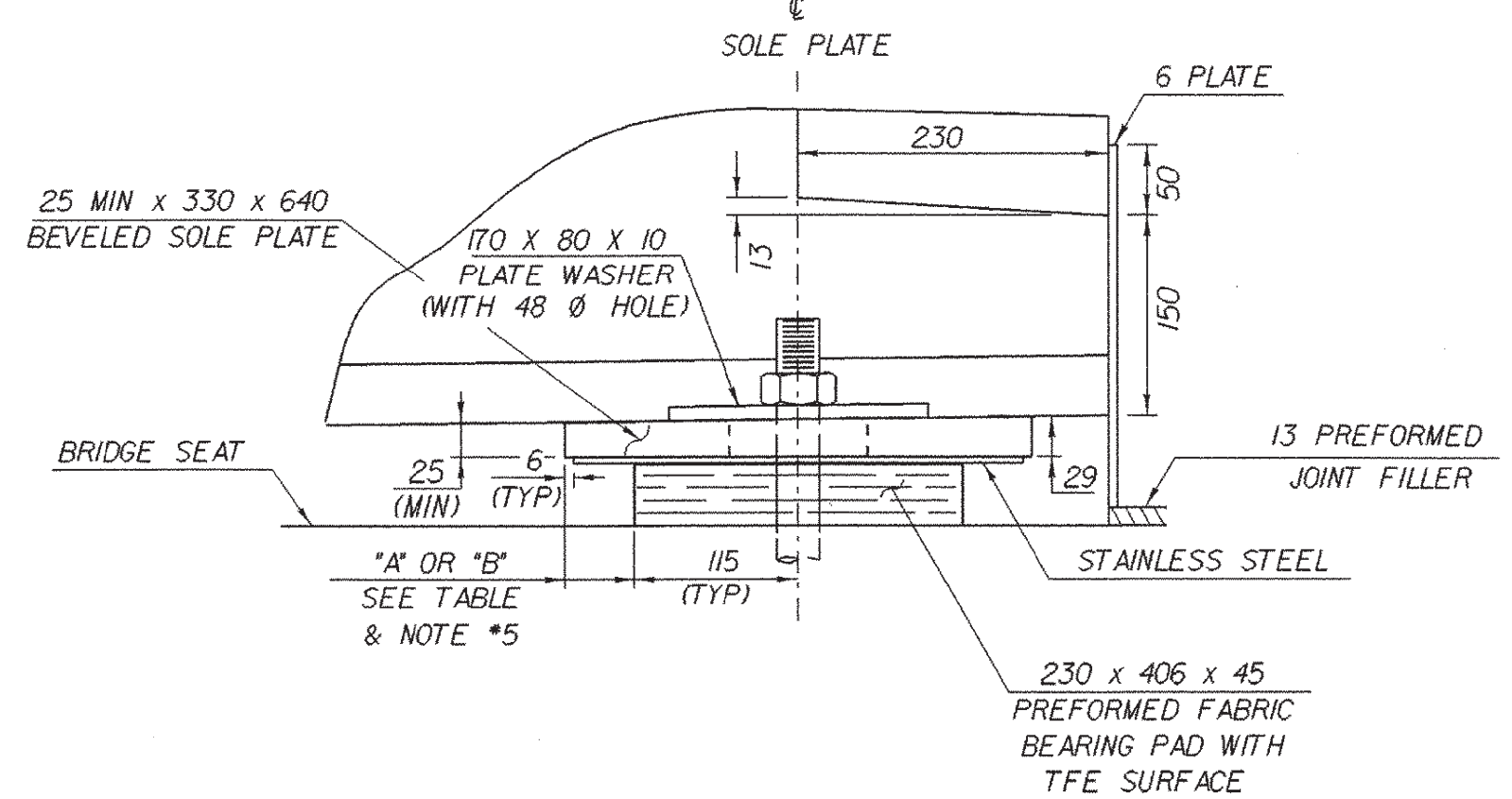
PLAN
SCALE: 1:5



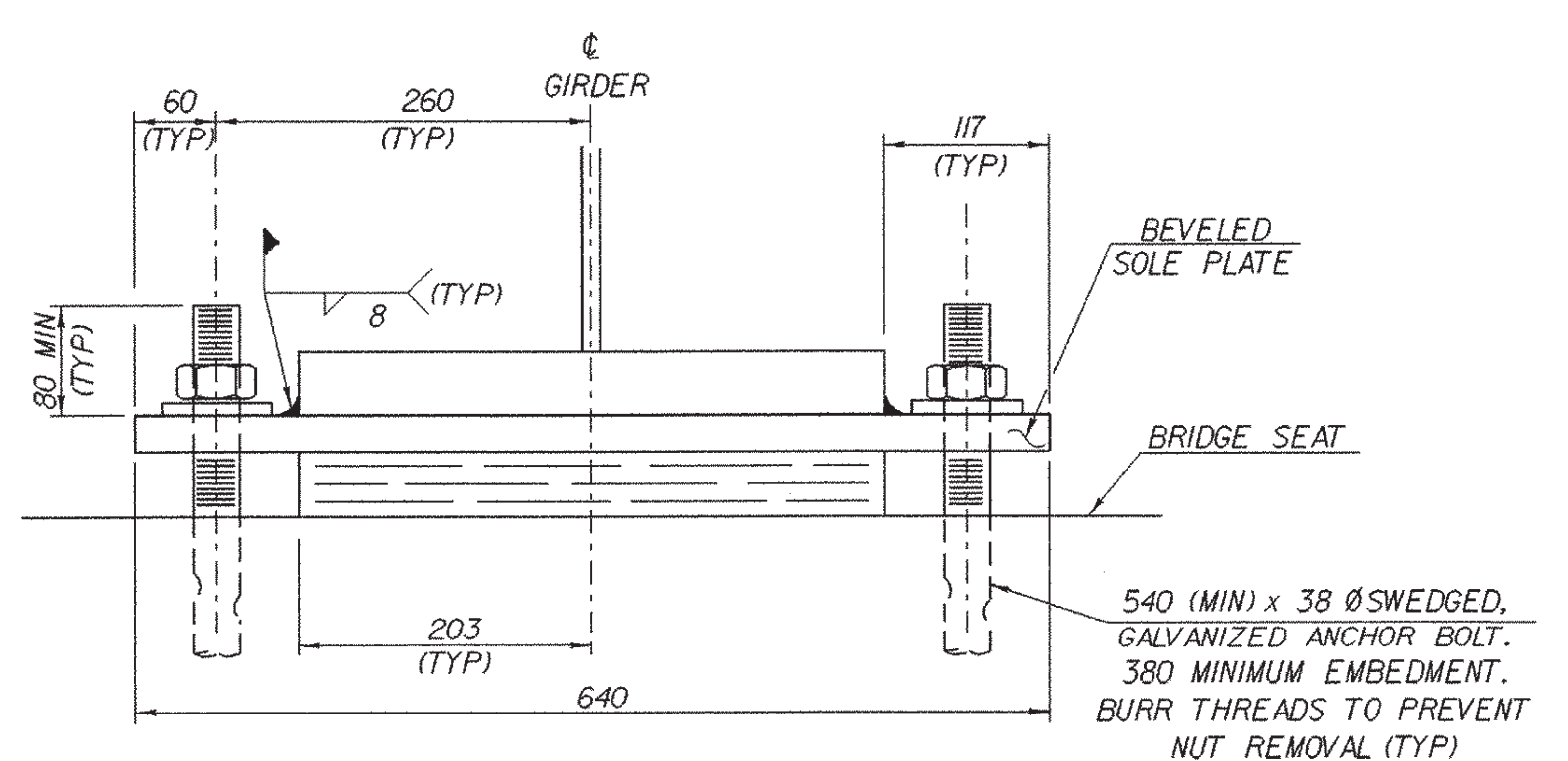
- BEARING NOTES**
- Bearings shall conform to applicable subsections of section 531 & 731.
 - Bearings shall be paid for under the item 531.0 "BEARING DEVICE ASSEMBLY".
 - Shop drawings conforming to subsection 531.03 shall be submitted to include welding and bonding procedures.
 - The concrete surface under the bearing device shall be level.
 - "A" distance is the final setting for the bearing pad after the concrete slab, curb, pavement and bridge rail are placed. "B" distance is listed for setting the bearing after the structural steel is erected and before the concrete deck and curbs have been placed. The difference is the theoretical elongation of the bottom flange due to dead load deflection. The final "A" distance, as shown in the table, must be attained within 2mm.
 - Design criteria:
 - A. Base plate to concrete design pressure = 7000 kPa maximum
 - B. Minimum allowable design rotation = 0.015 radians
 - C. Horizontal capacity shall be a minimum of 10% of the vertical load
 - D. Design load per bearing = 623 kN
 - LL = 342 kN
 - DL = 214 kN
 - SDL = 67 kN
 - All steel in bearing devices (except stainless) shall be AASHTO M-270, Grade 345.
 - Anchor bolts shall have a minimum of 380 embedment into the concrete and shall conform to subsection 714.08 in the "Vermont Specifications".
 - All bearing devices shall be galvanized or metalized as per subsection 531.04(b) and 506.15 of the General Special Provisions. Areas of galvanizing or metalizing damaged by field welding or handling shall be painted with a zinc rich paint in accordance with Supplemental Specification 513.
 - All the anchor bolts, nuts and washers shall be galvanized. All washers shall be 10 plate (minimum). Payment for anchor bolts, nuts and washers shall be included in the unit bid price for "BEARING DEVICE ASSEMBLY".



SIDE ELEVATION
SCALE: 1:5

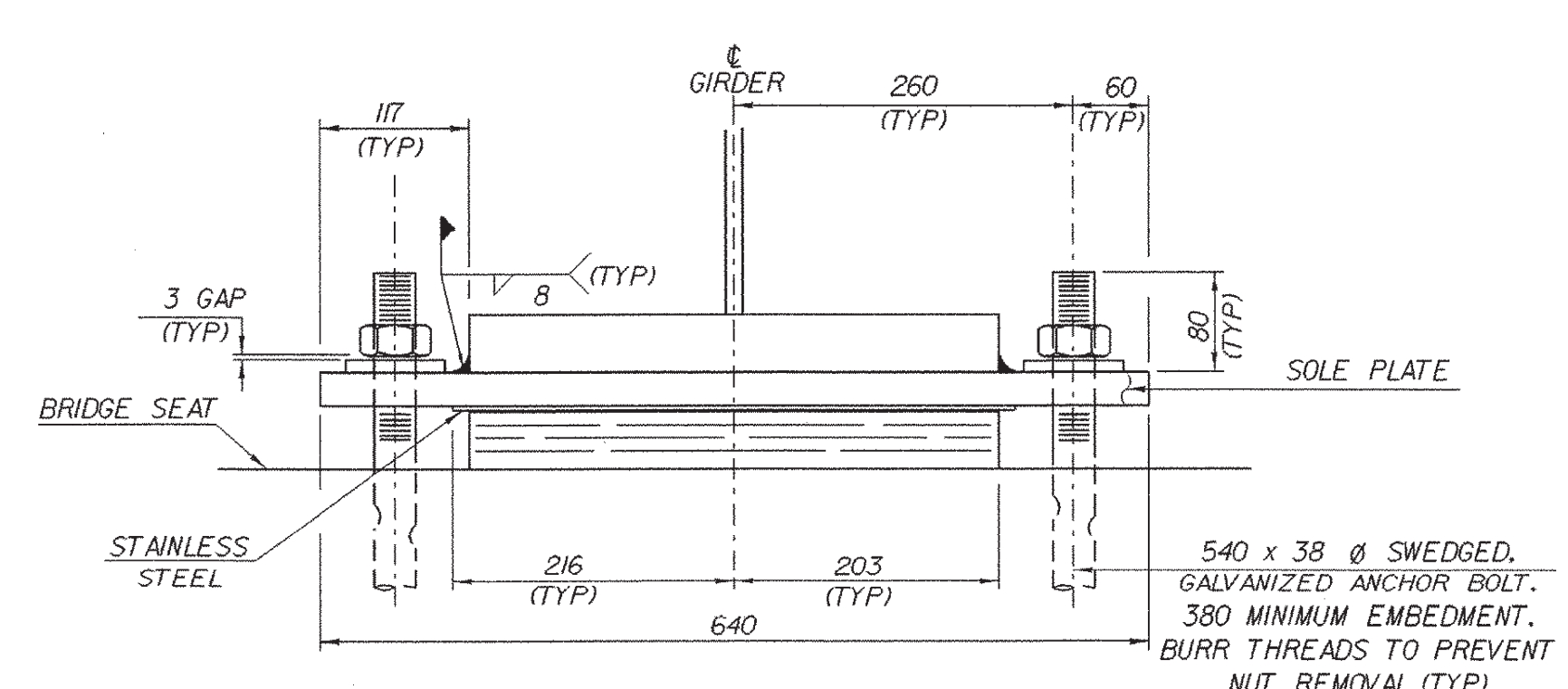


TEMP	"A" DIST	"B" DIST
-34°C	63	71
-26°C	60	68
-18°C	59	67
-9°C	56	63
-1°C	52	60
7°C	50	59
16°C	49	57
24°C	46	54
32°C	43	51
41°C	41	49
49°C	38	46



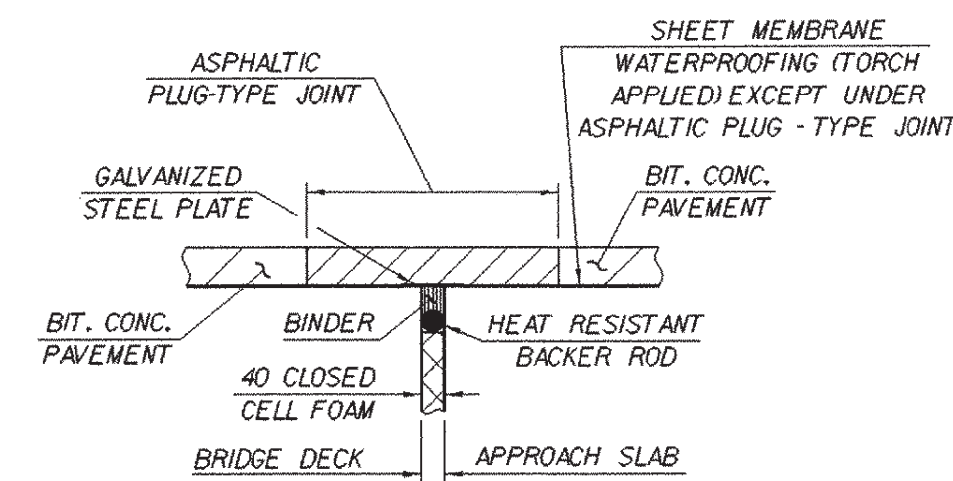
FIXED BEARING @ ABUT #1

FRONT VIEW
SCALE: 1:5

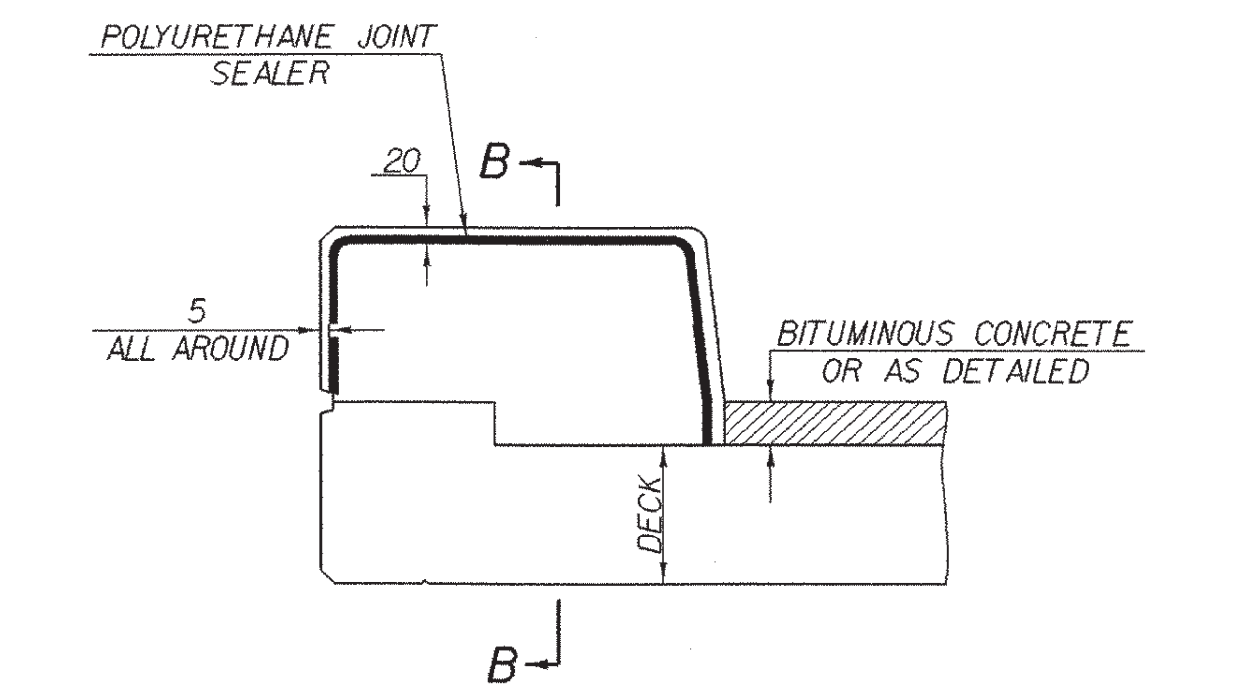


EXPANSION BEARING @ ABUT #2

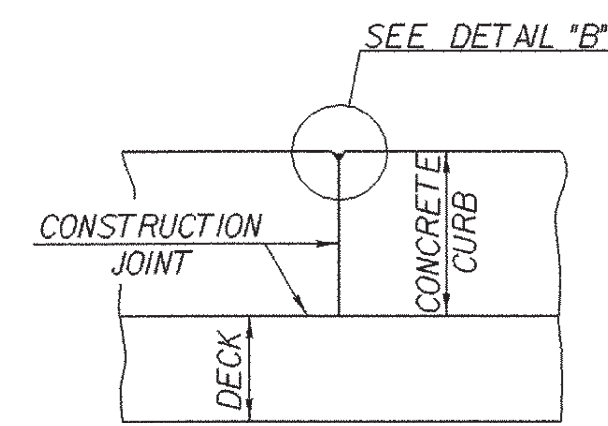
SHEET NAME: BEARING DETAILS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s+r/l/93j021/sj021sup2.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: D. BONNEAU
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021br.1
BRIDGE SHEET NUMBER:	SHEET 22 OF 53



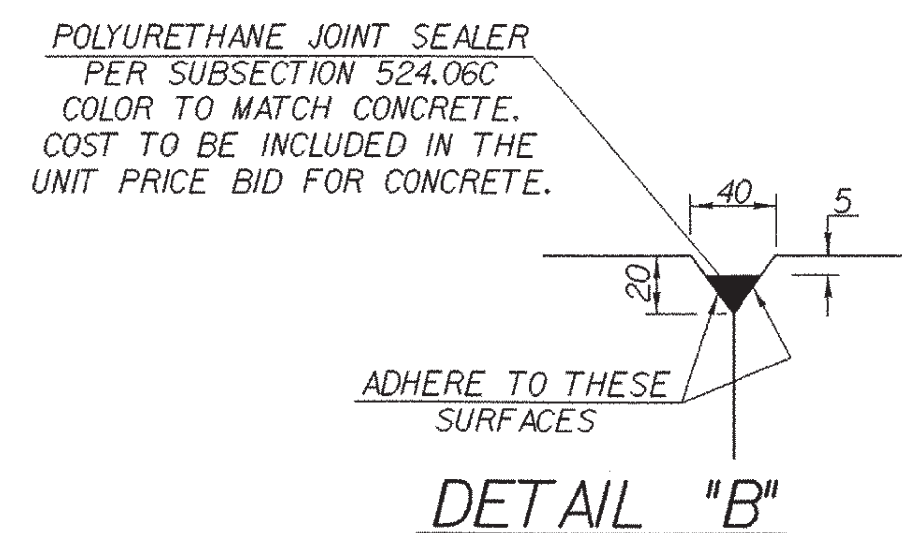
ASPHALTIC PLUG-TYPE JOINT DETAIL
(NTS)



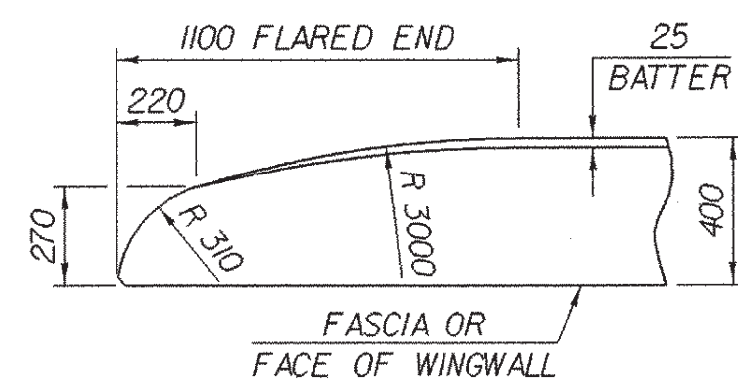
TYPICAL SECTION THROUGH CONCRETE CURB CONSTRUCTION JOINT



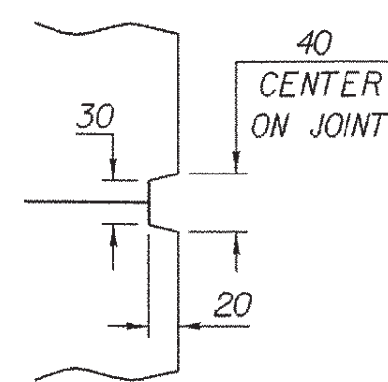
SECTION B - B



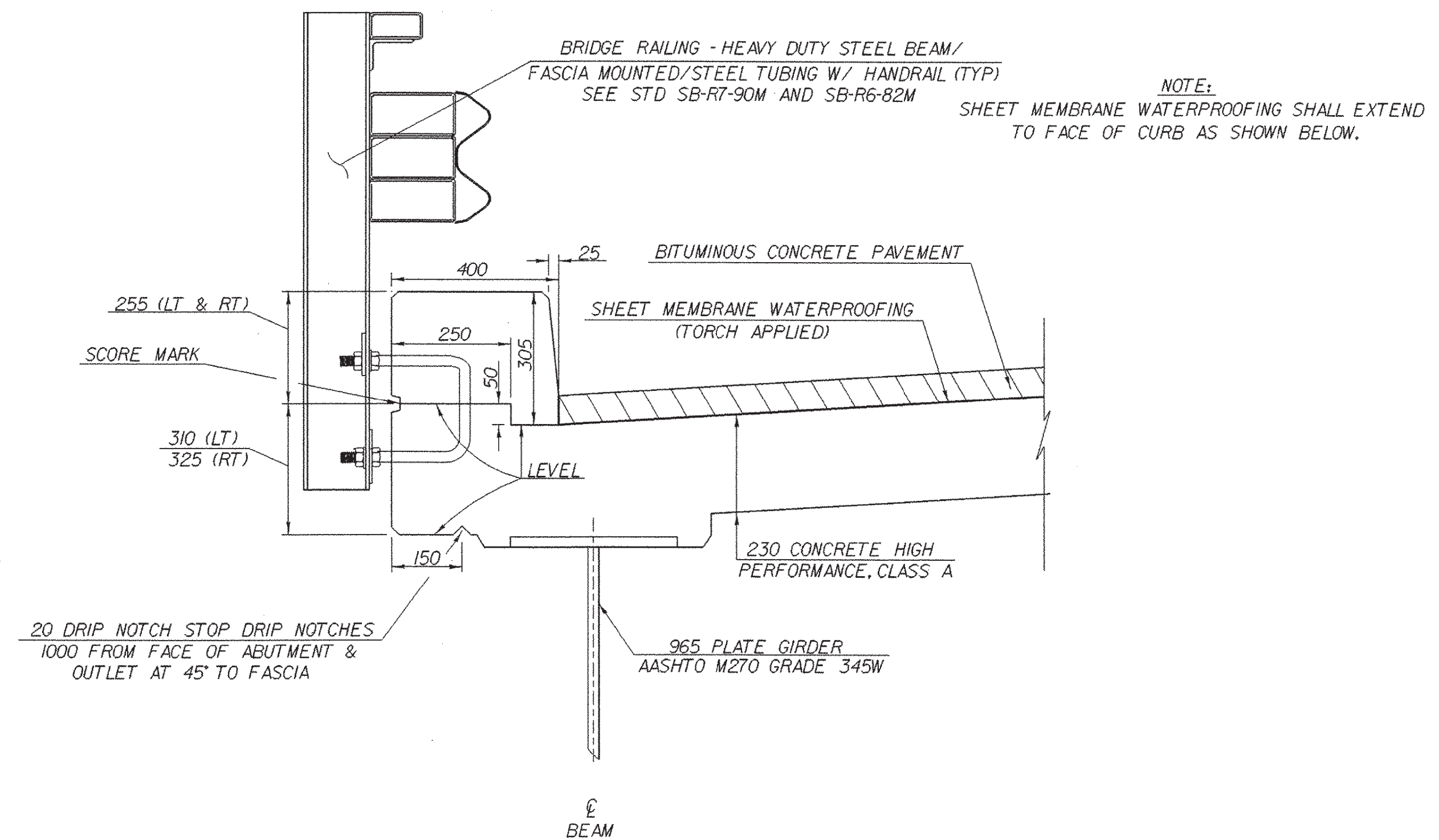
DETAIL "B"



FLARED END FOR 400 CURB
BARS SHALL BE TURNED AS REQUIRED TO FIT FLARED ENDS



SCORE MARK DETAIL

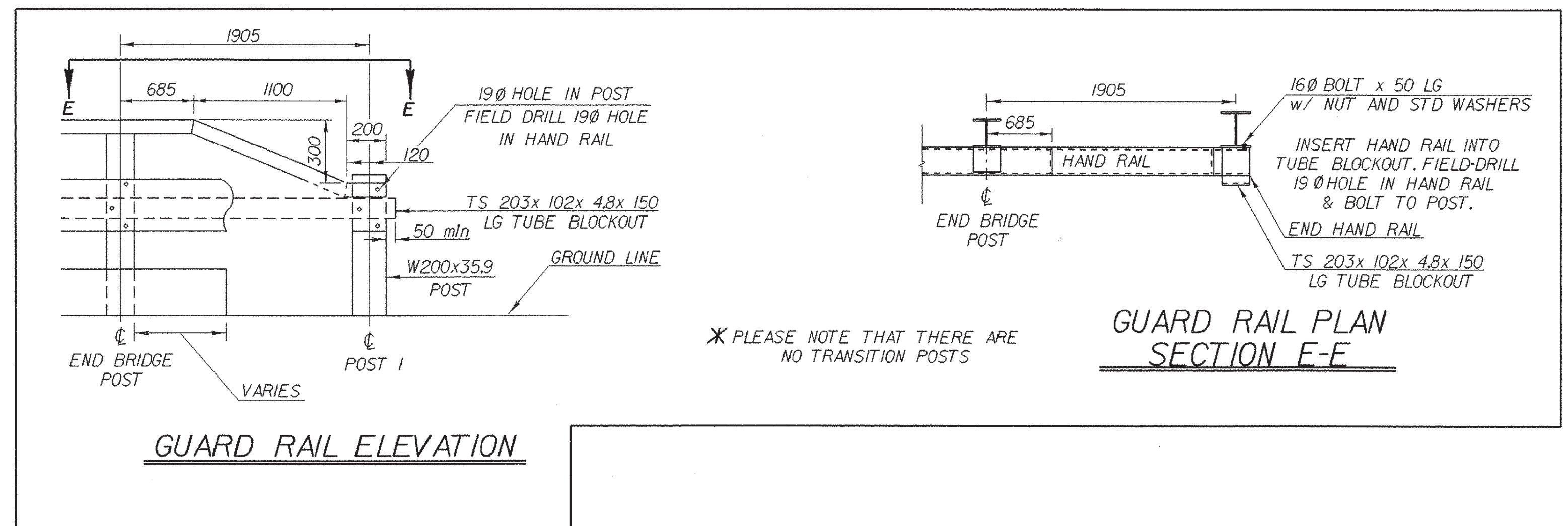


400 CURB SECTION - LEFT FASCIA

SCALE: 1:10

NOTES

1. POLYURETHANE MEMBRANE AND BLAST CLEANING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SHEET MEMBRANE WATERPROOFING.
2. CONSTRUCTION JOINTS THROUGH CONCRETE CURBS SHALL BE SPACED A MAXIMUM 6000 CENTER TO CENTER AND SHALL BE 450 MINIMUM FROM THE CENTER OF THE NEAREST BRIDGE RAIL POST. CONCRETE SHALL BE PLACED IN ALTERNATING SECTIONS WITH A MINIMUM OF 48 HOURS DELAY BETWEEN ADJACENT POURS.
3. LONGITUDINAL REINFORCING SHALL PASS THROUGH CONCRETE CURB CONSTRUCTION JOINTS.
4. CURB REINFORCING STIRRUP BARS SHALL BE TURNED AS REQUIRED TO FIT TAPERED ENDS.



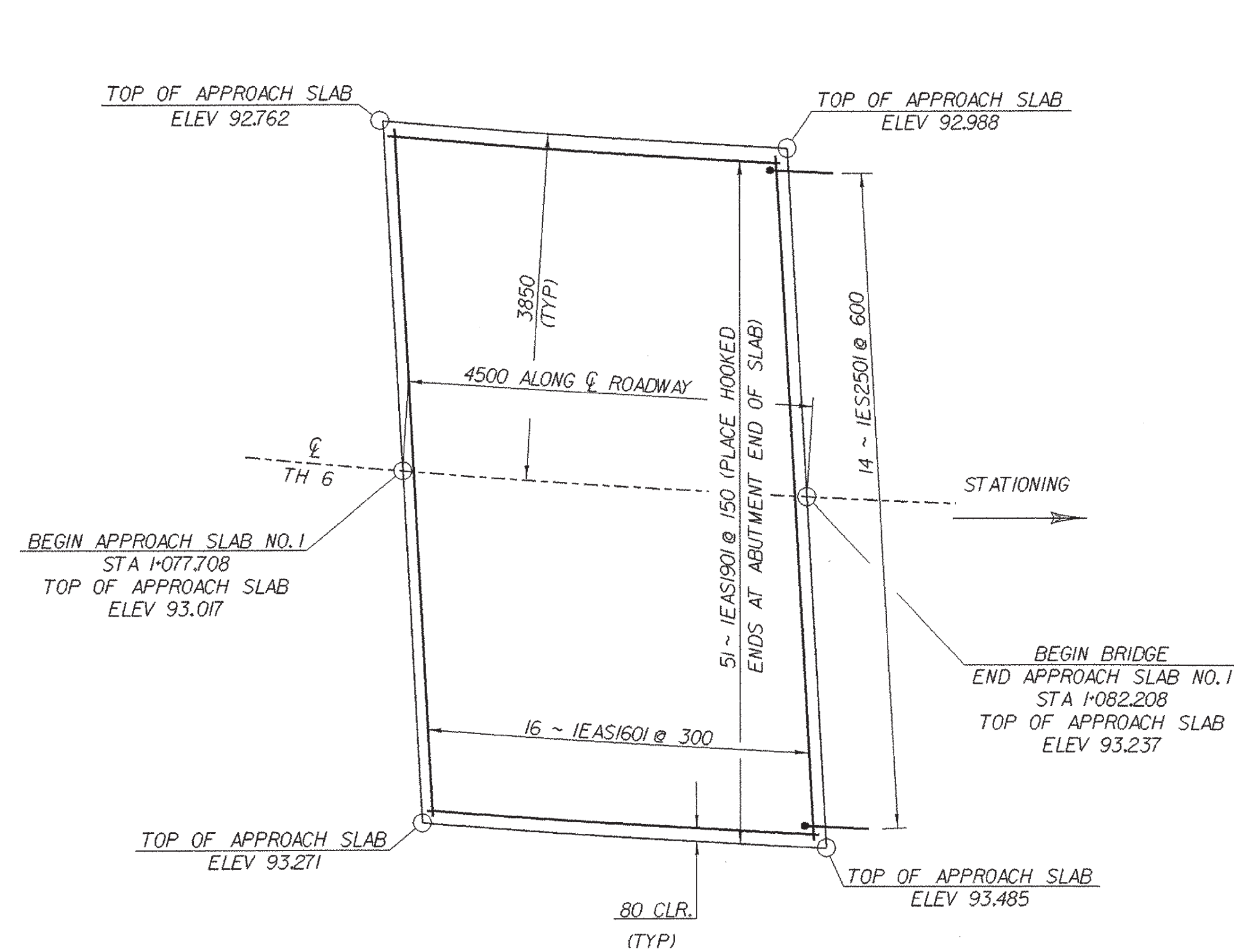
GUARD RAIL ELEVATION

GUARD RAIL PLAN SECTION E-E

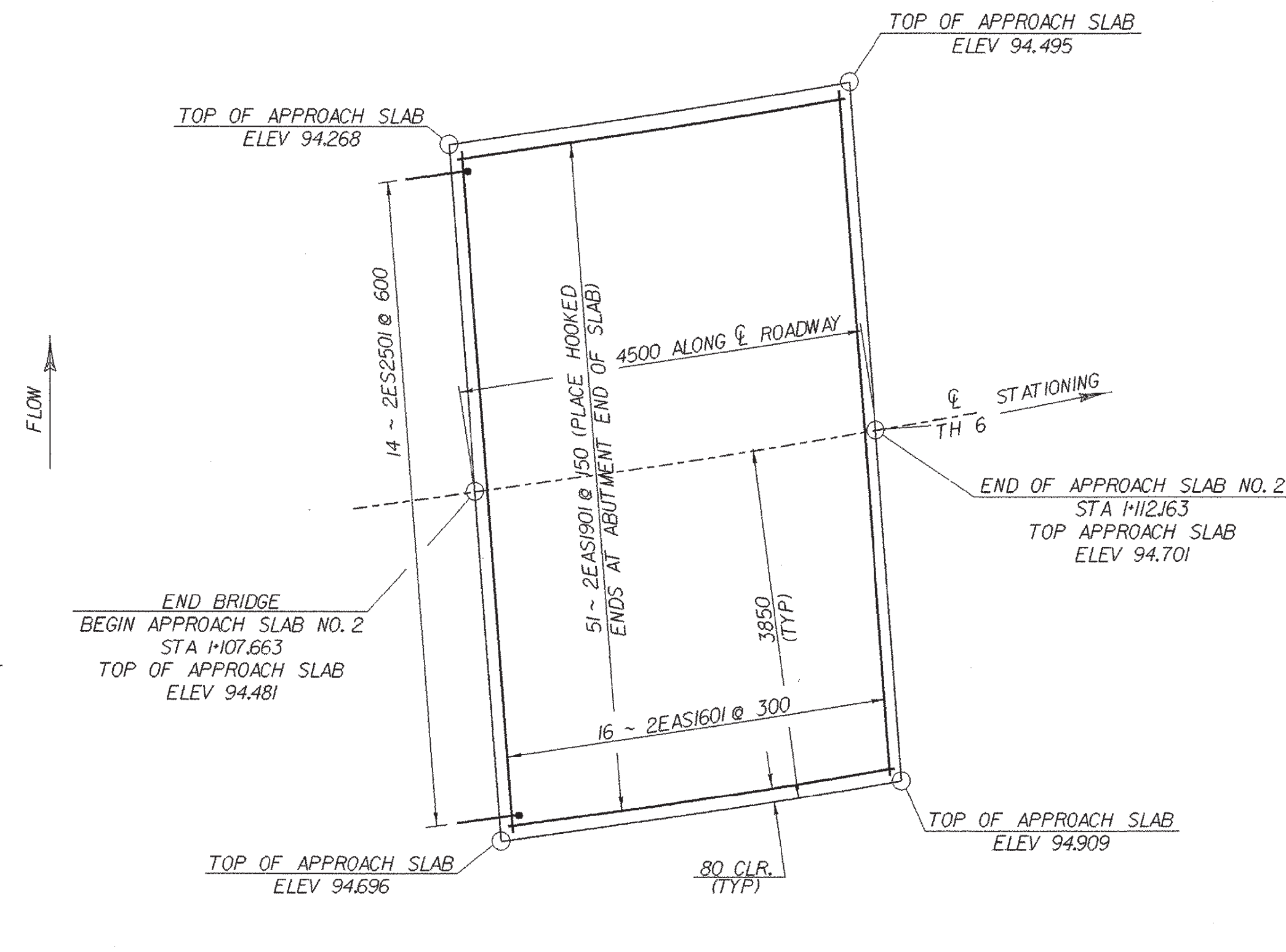
HANDRAIL TO GUARDRAIL POST CONNECTION DETAILS

(NTS)

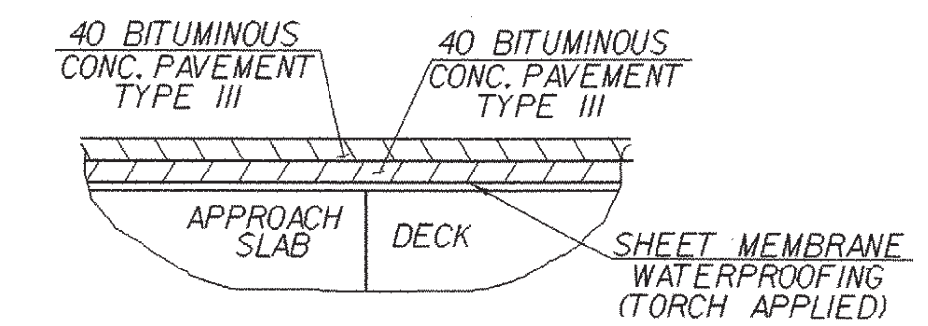
SHEET NAME: CURB DETAILS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021sup2.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: J. GILMORE
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021crb.i
BRIDGE SHEET NUMBER:	SHEET 23 OF 53



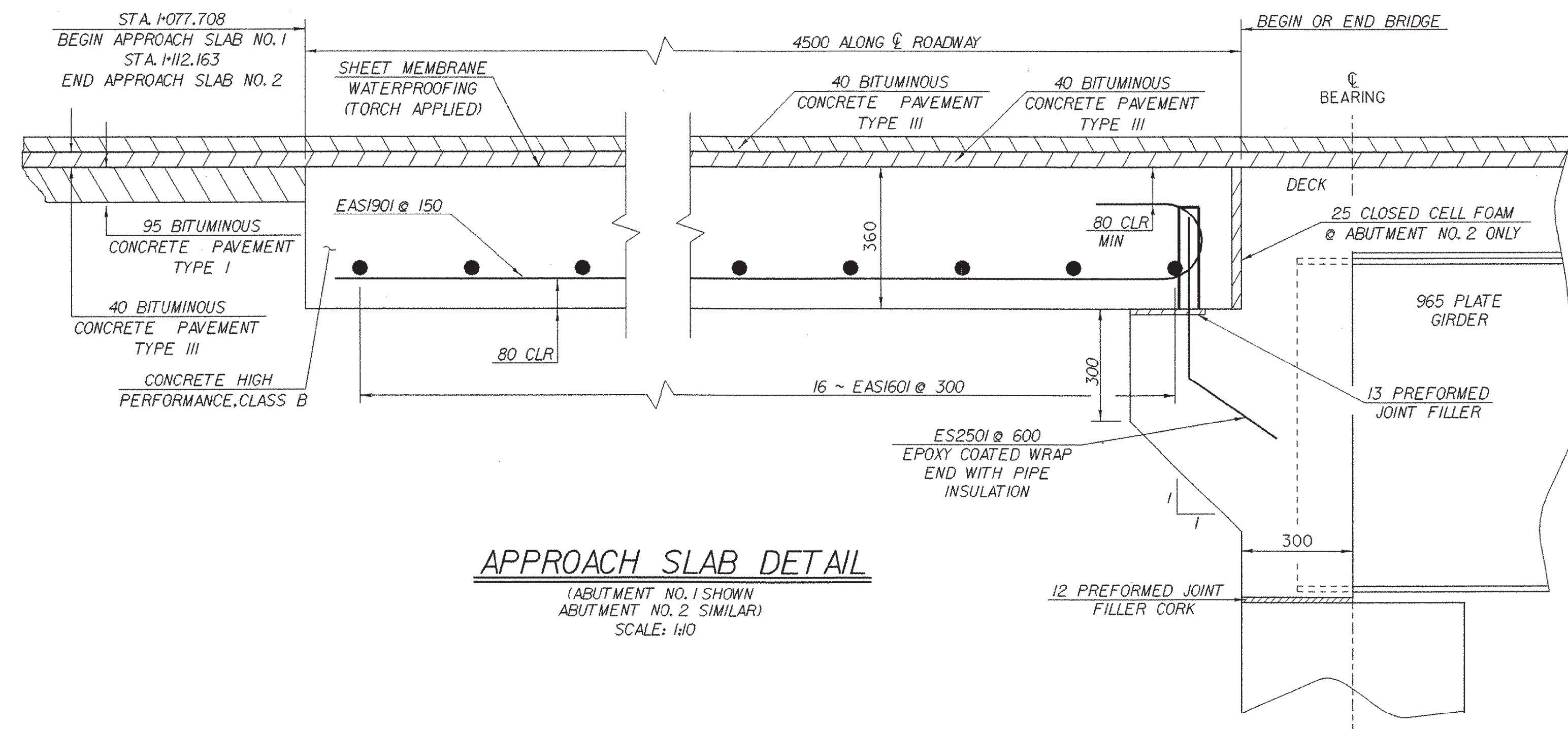
APPROACH SLAB (BEGIN BRIDGE) PLAN
SCALE: 1:50



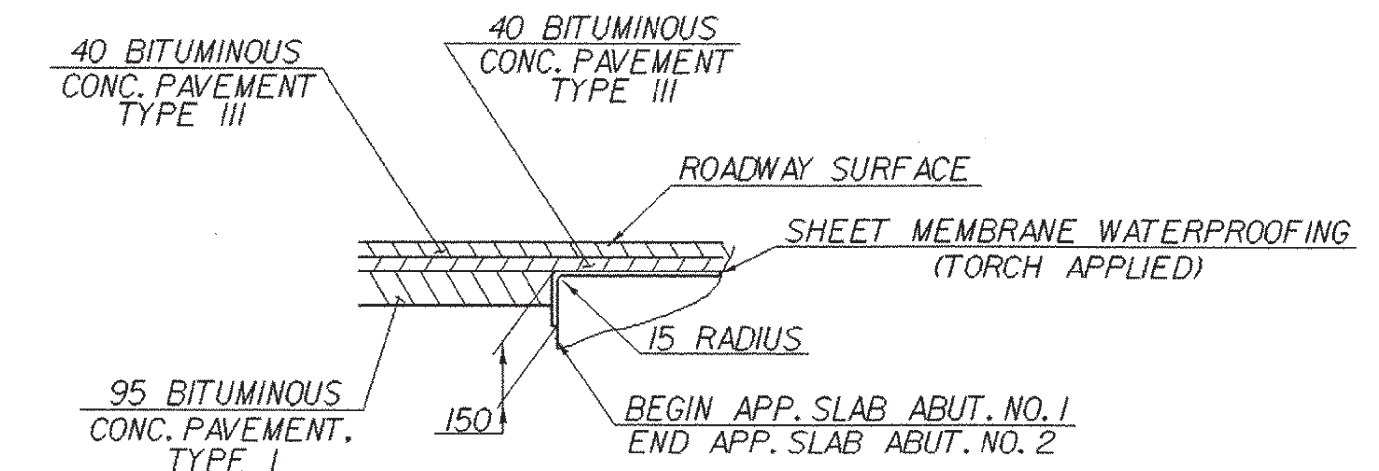
APPROACH SLAB (END BRIDGE) PLAN
SCALE: 1:50



DETAIL FOR SHEET MEMBRANE AT ABUTMENT NO. 1
N.T.S.



APPROACH SLAB DETAIL
(ABUTMENT NO. 1 SHOWN
ABUTMENT NO. 2 SIMILAR)
SCALE: 1:10

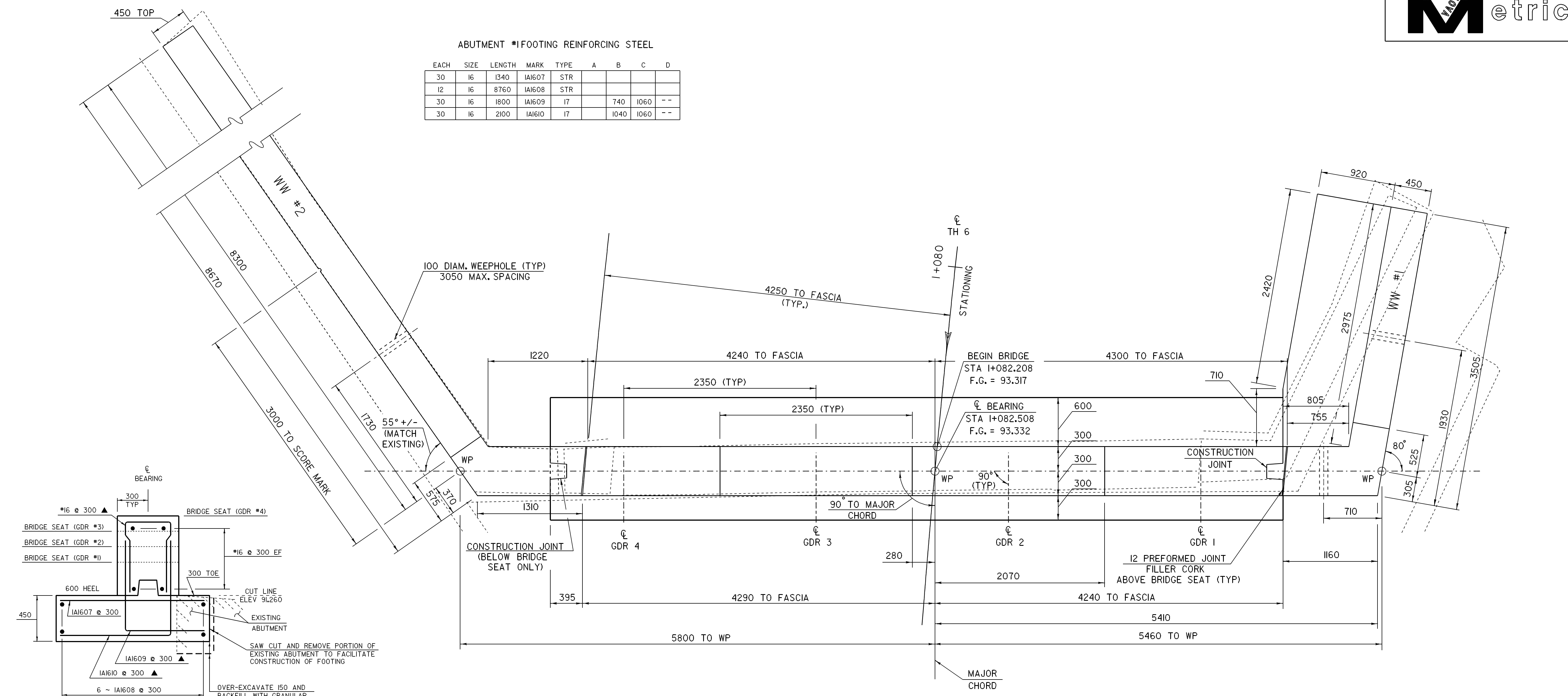


DETAIL FOR SHEET MEMBRANE AT APPROACH SLAB ENDS
N.T.S.

SHEET NAME: APPROACH SLAB DETAILS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021sup2.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: J. GILMORE
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021asd.1
BRIDGE SHEET NUMBER:	SHEET 24 OF 53

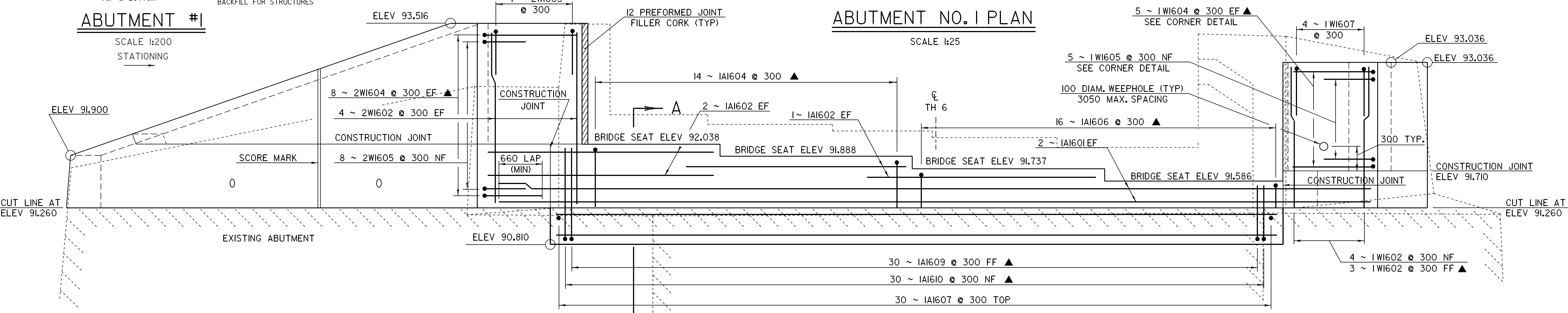
ABUTMENT #1 FOOTING REINFORCING STEEL

EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D
30	16	1340	IA1607	STR				
12	16	8760	IA1608	STR				
30	16	1800	IA1609	I7		740	1060	--
30	16	2100	IA1610	I7		1040	1060	--



ABUTMENT #1

SCALE 1:200
STATIONING

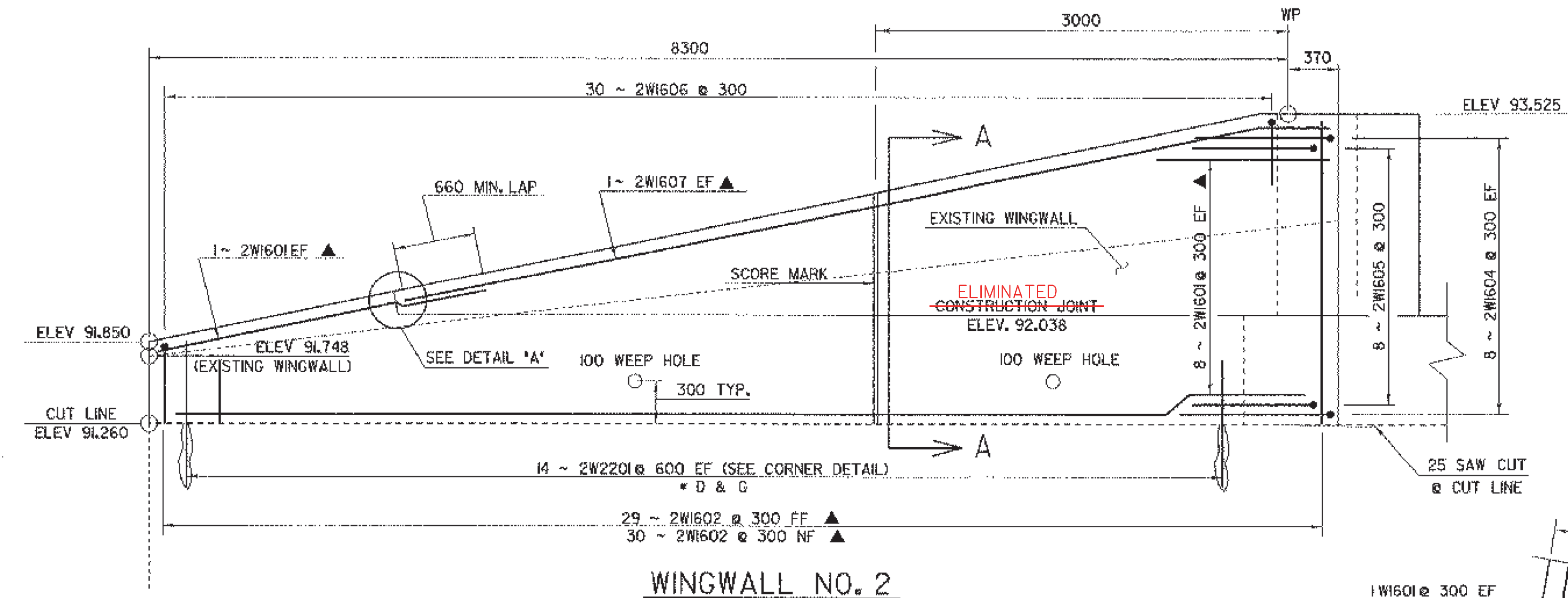


ABUTMENT NO. 1 ELEVATION

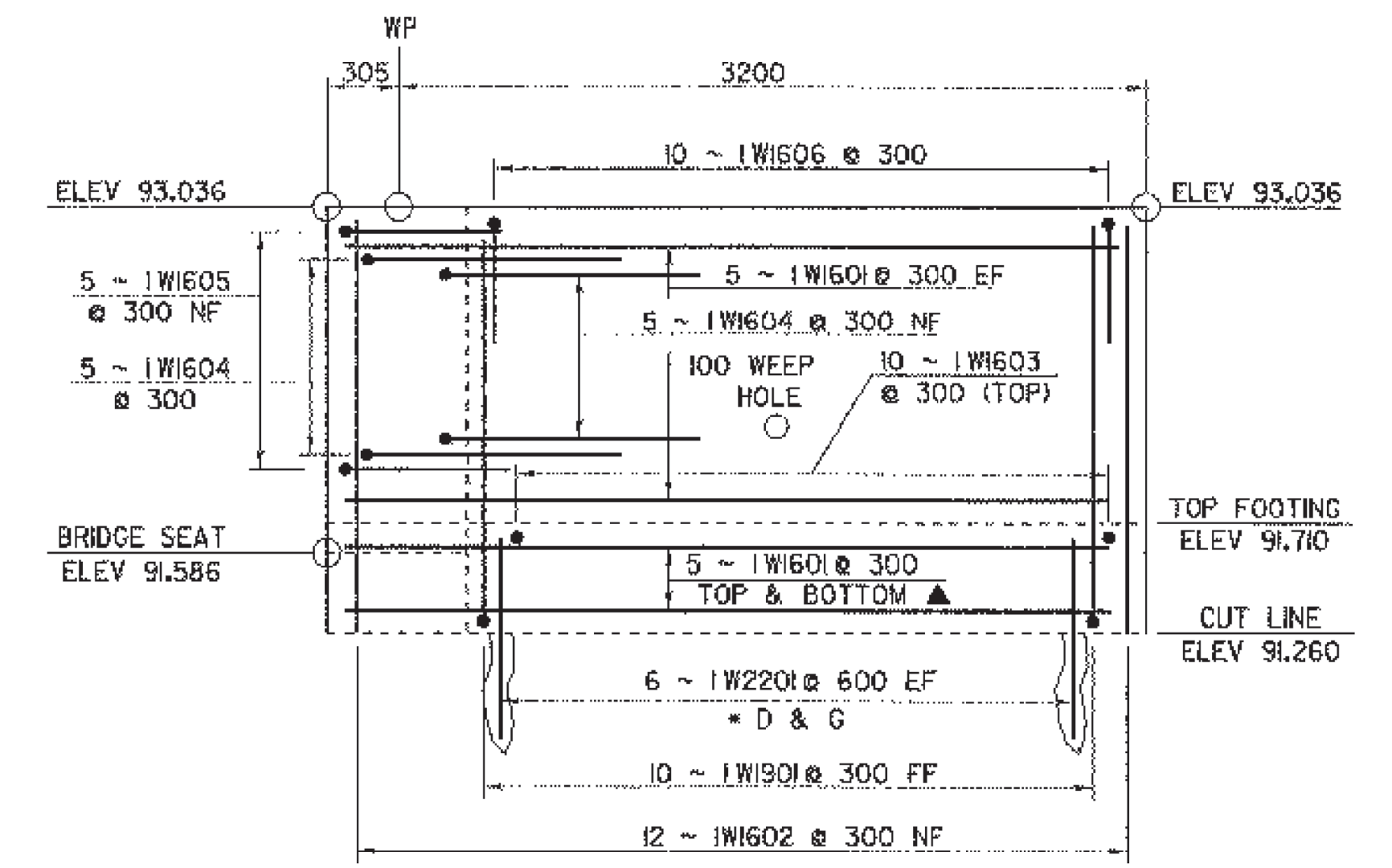
SCALE 1:25

- NOTE:**
- NF = NEAR FACE
 - FF = FAR FACE
 - EF = EACH FACE
 - ▲ = CUT TO FIT IN FIELD
 - 80 CLEAR UNLESS OTHERWISE SPECIFIED ON THE PLANS
 - ** DRILL & GROUT DOWELS AS SHOWN. 450 MINIMUM DEPTH OF GROUTING
 - 3000 MAX. WEEPHOLE SPACING
 - REMOVAL OF CONCRETE ABOVE CUTLINE PAID AS "REMOVAL OF CONCRETE OR MASONRY"
 - ALL LAPS 660 UNLESS NOTED

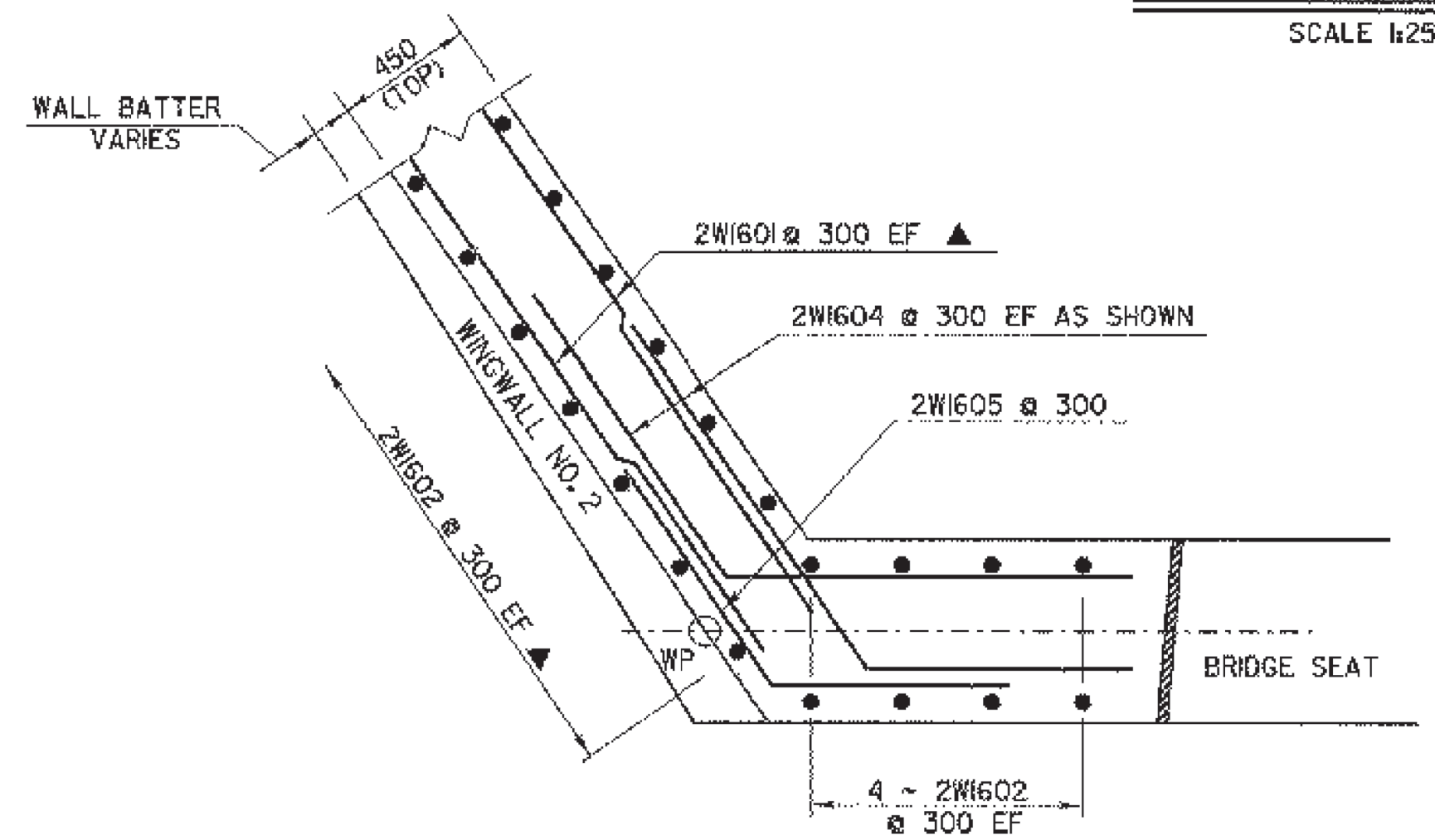
SHEET NAME:	ABUTMENT NO. 1		
PROJECT NAME:	FAIR HAVEN-HAMPTON	HIGHWAY NO.:	TH 6
PROJECT NUMBER:	BRO 1443(32)	BRIDGE NO.:	6
		OVER:	POULTNEY RIVER
FILE NAME:	/str/193j021/sj021sub2.dgn		
PROJECT MANAGER:	G.S. ROGERS	PLOT DATE:	29-MAR-2005
DESIGNED BY:	C.MEUNIER	DRAWN BY:	D.BONNEAU
BRIDGE SHEET NUMBER:		IPARM NAME:	sj021abl1
			SHEET 25 OF 53



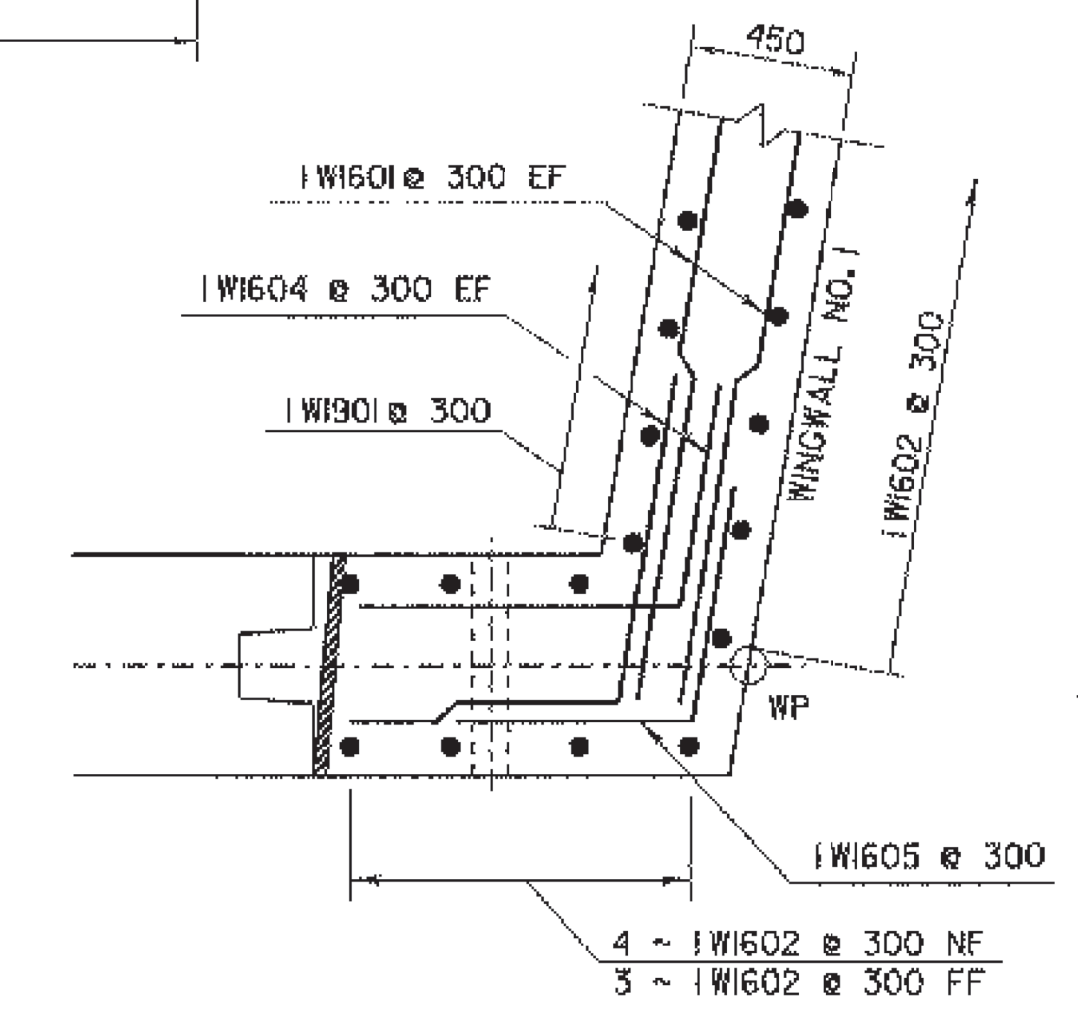
WINGWALL NO. 2
SCALE 1/25



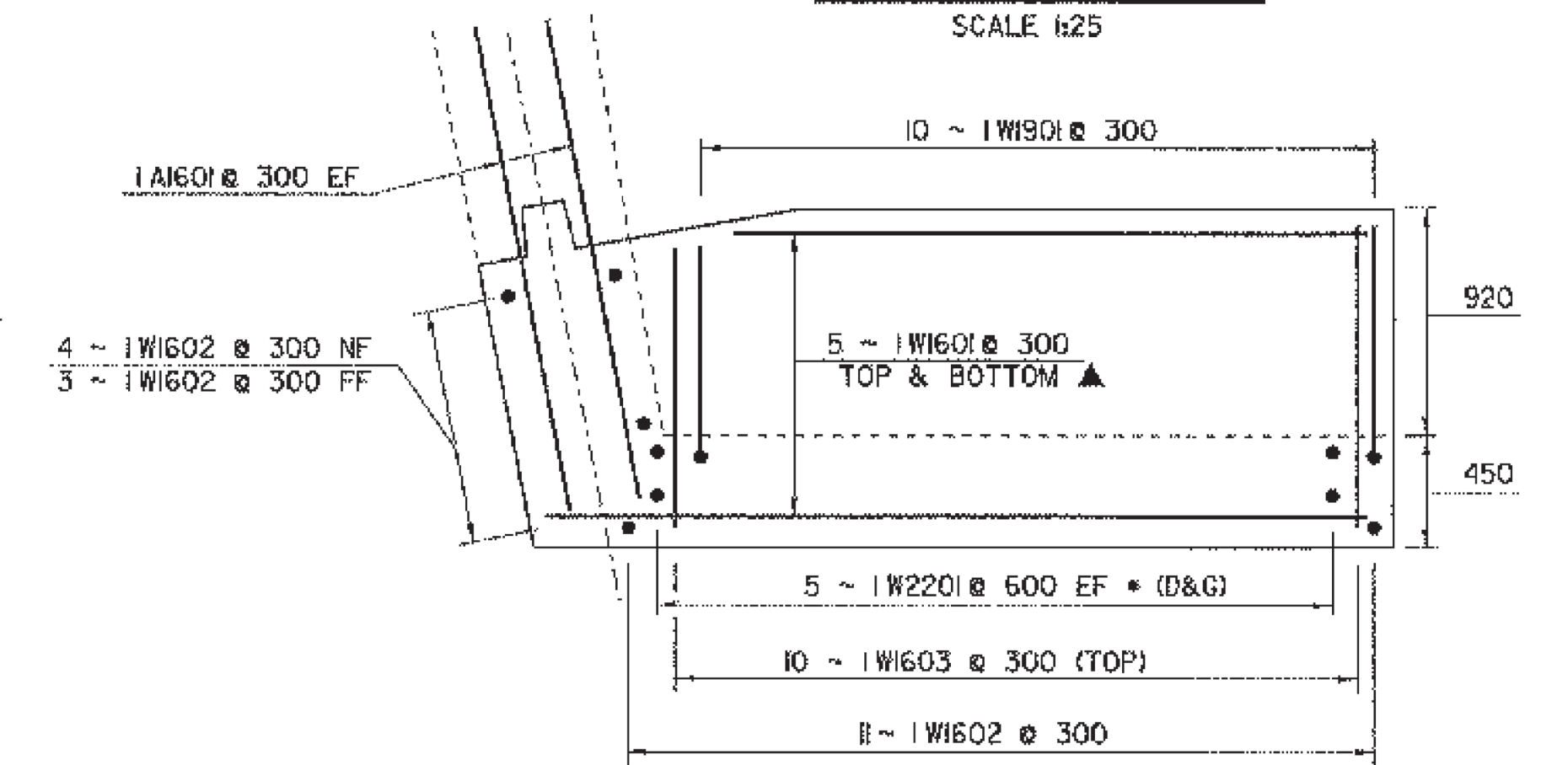
WINGWALL NO. 1
SCALE 1/25



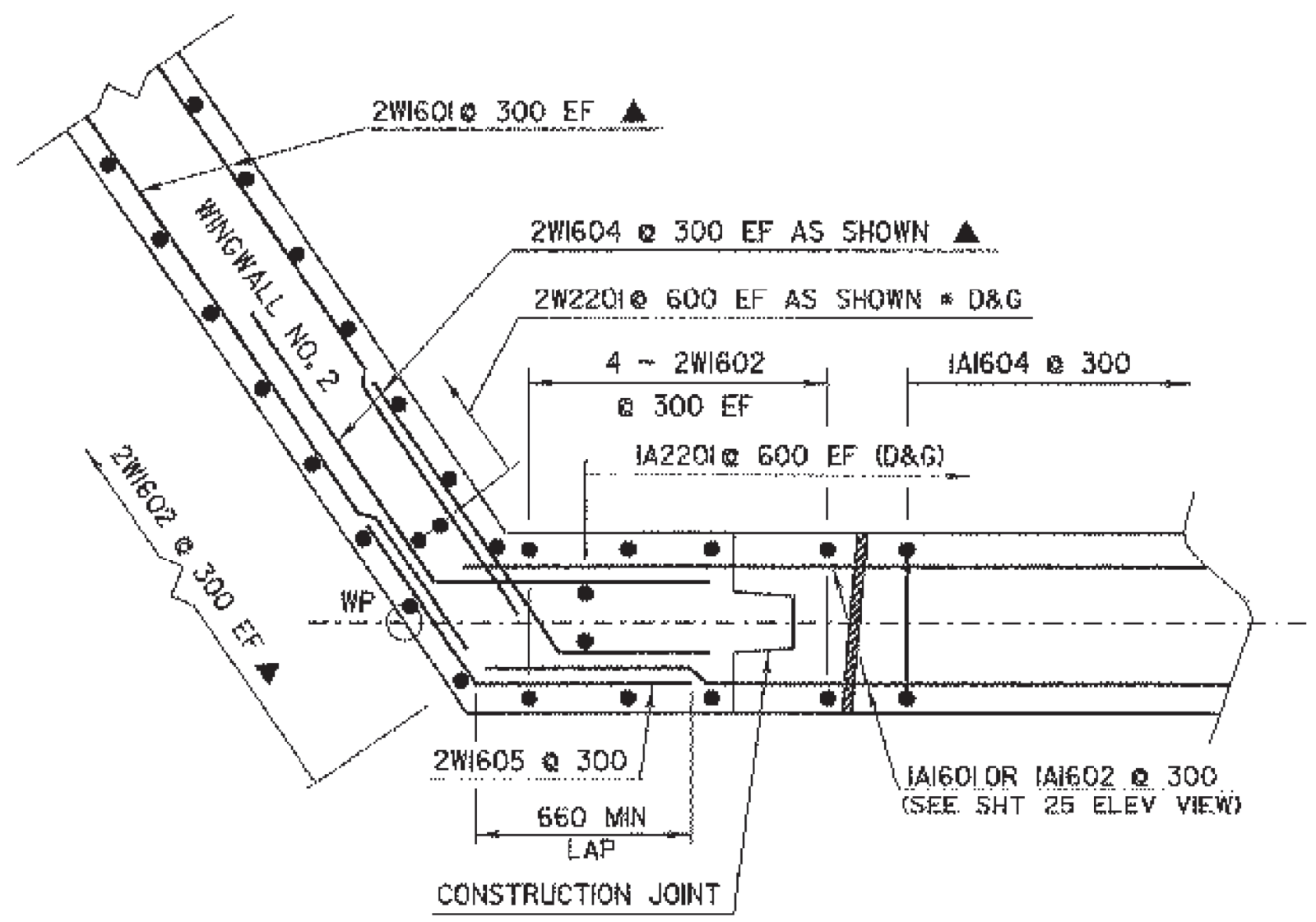
CORNER DETAIL WINGWALL NO. 2 (ABOVE BRIDGE SEAT)
SCALE 1/20



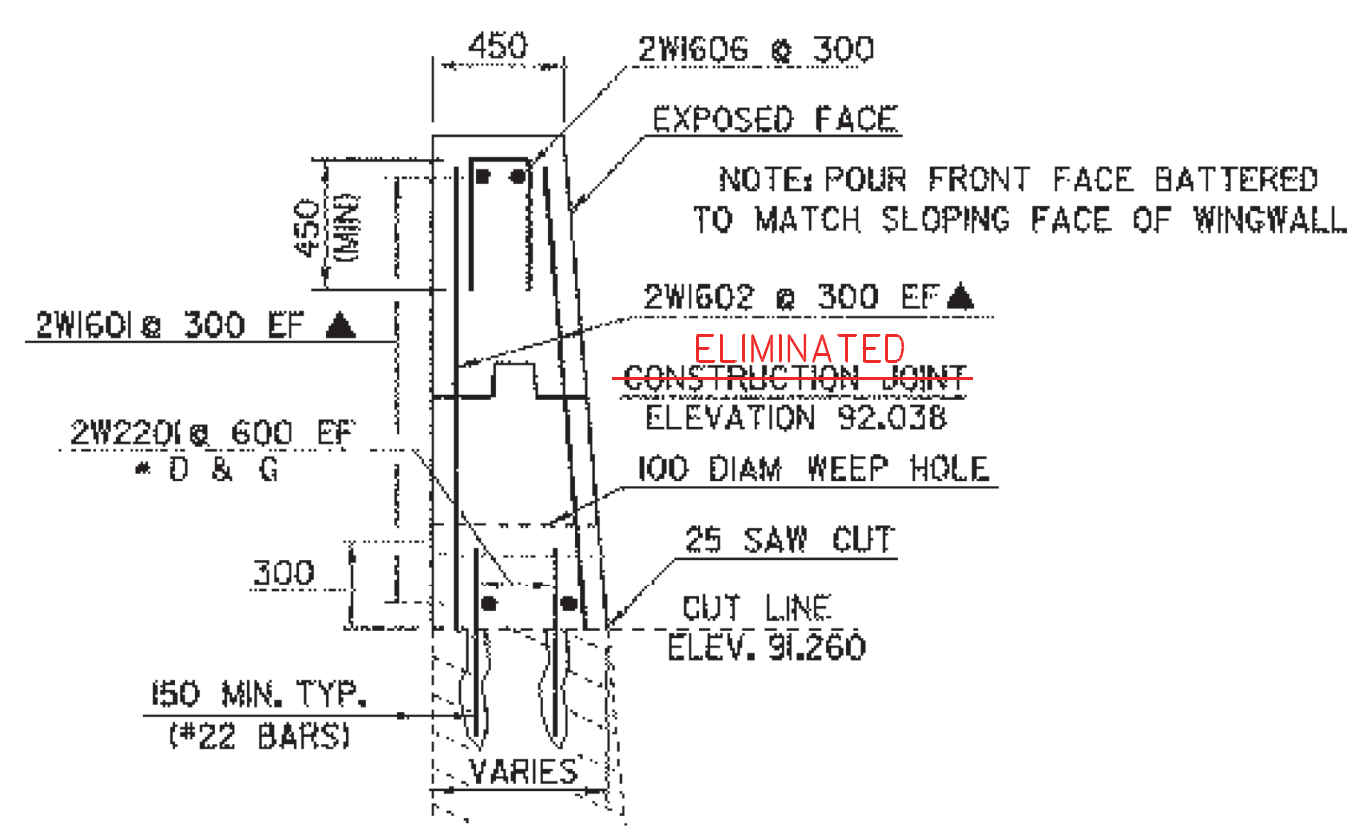
CORNER DETAIL WINGWALL NO. 1
SCALE 1/20



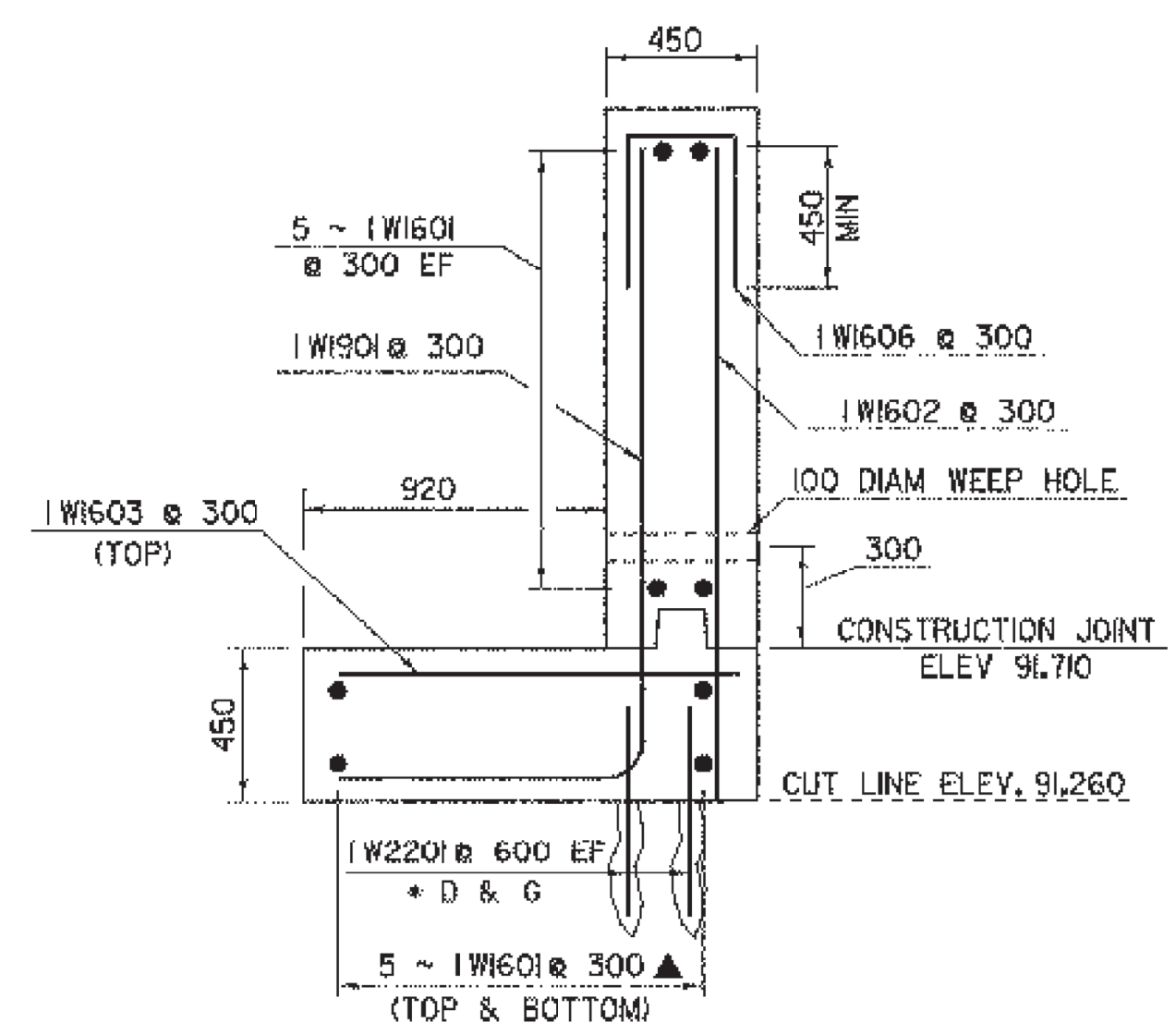
WINGWALL NO. 1 FOOTING
SCALE 1/25



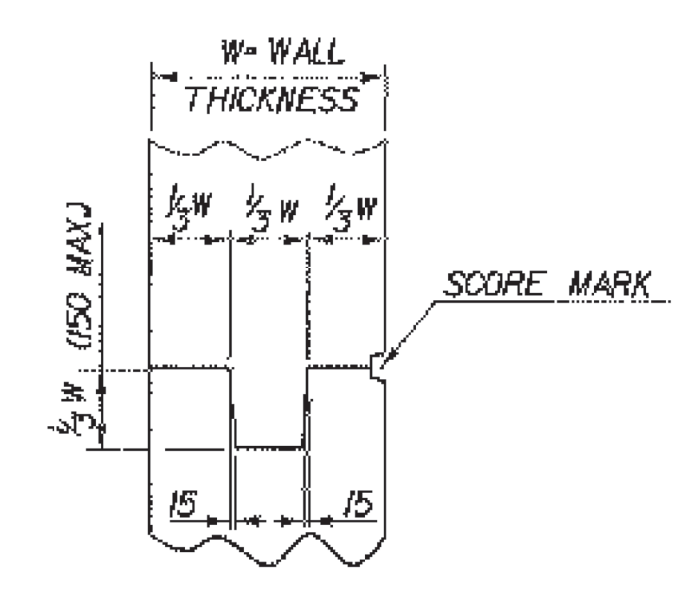
CORNER DETAIL WINGWALL NO. 2 (BELOW BRIDGE SEAT)
SCALE 1/20



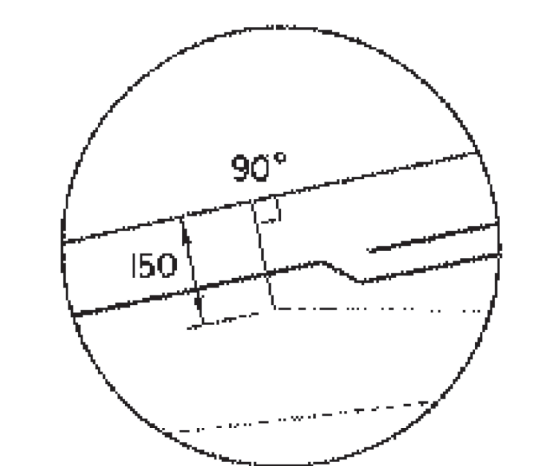
WINGWALL NO. 2 SECTION A-A
SCALE 1/25



WINGWALL NO. 1 TYPICAL SECTION
SCALE 1/20



TYPICAL CONCRETE CONSTRUCTION JOINT
(NTS)

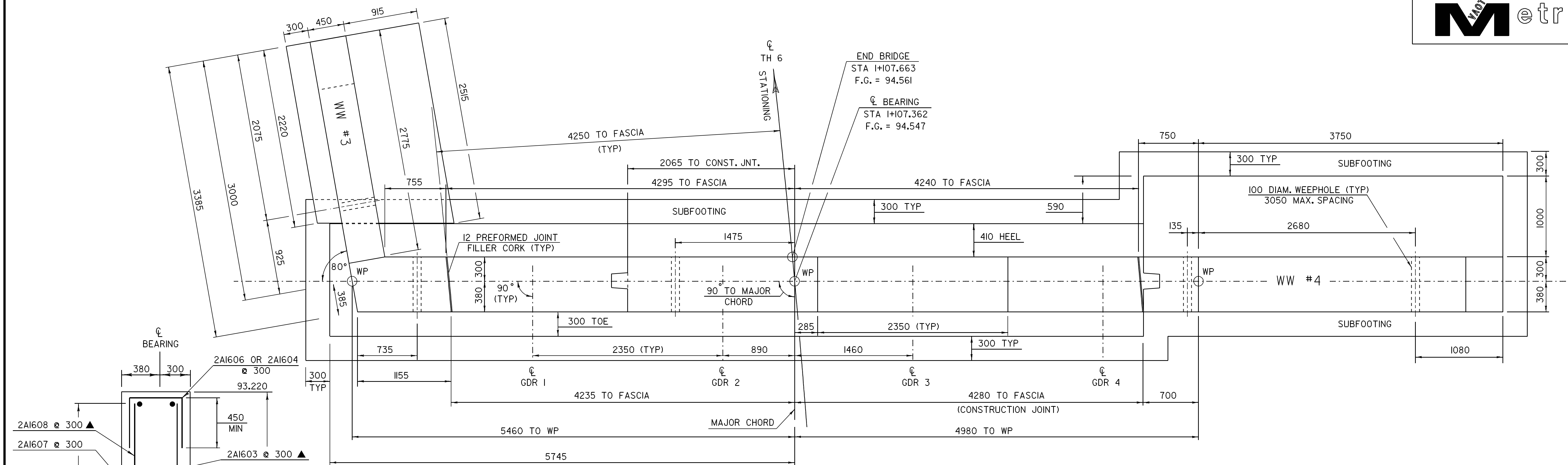


DETAIL "A"
(NTS)

NOTES:
NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE
▲ = CUT TO FIT IN FIELD
60 CLEAR UNLESS OTHERWISE SPECIFIED ON THE PLANS
* DRILL & GROUT DOWELS AS SHOWN, 450 MINIMUM DEPTH OF GROUTING

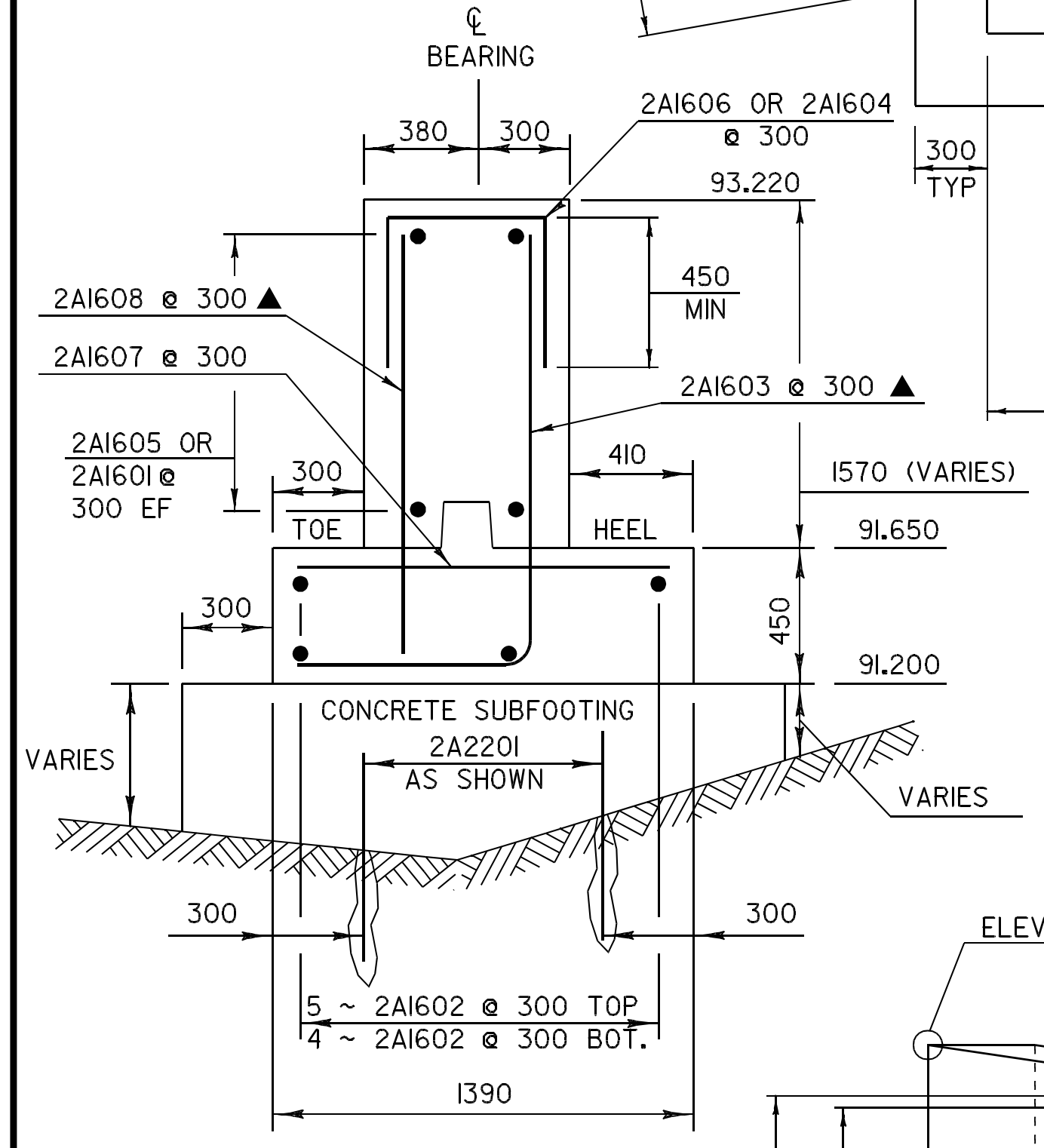
SCORE MARK DETAIL
(NTS)

SHEET NAME: WINGWALLS 1 & 2 DETAILS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /e/1/93J021/sj021sub2.dgn	PLOT DATE: 23-MAR-2005
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: D. BONNEAU
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021and.f
BRIDGE SHEET NUMBER:	SHEET 26 OF 53



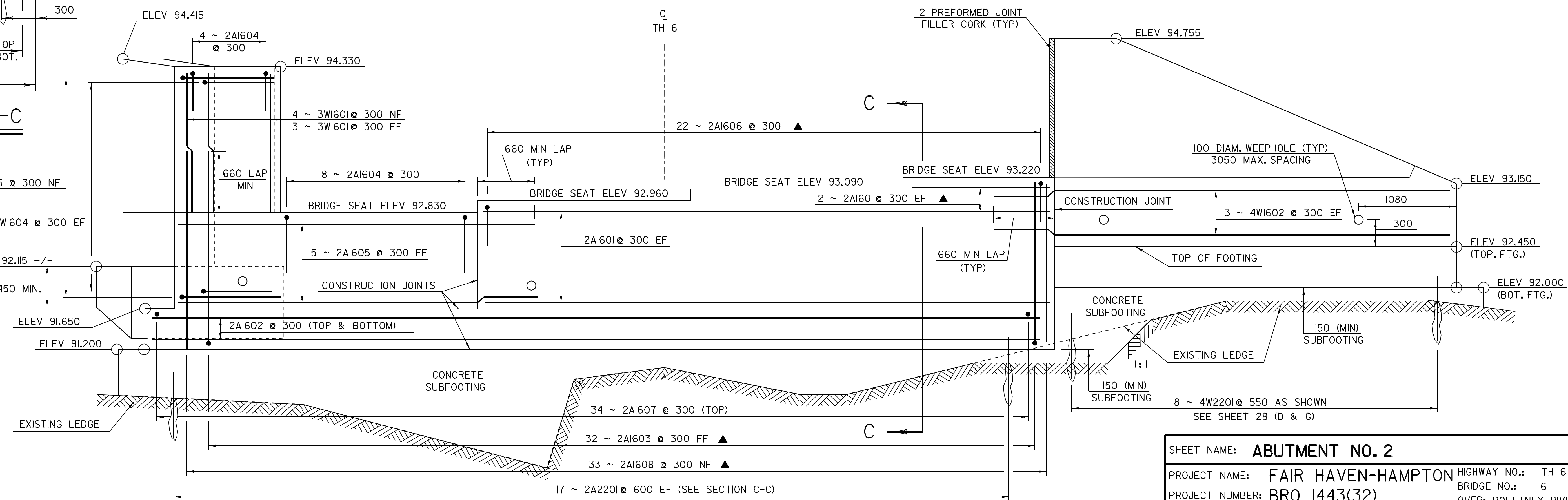
ABUTMENT NO. 2 PLAN

SCALE 1:25



SECTION C-C

SCALE 1:20



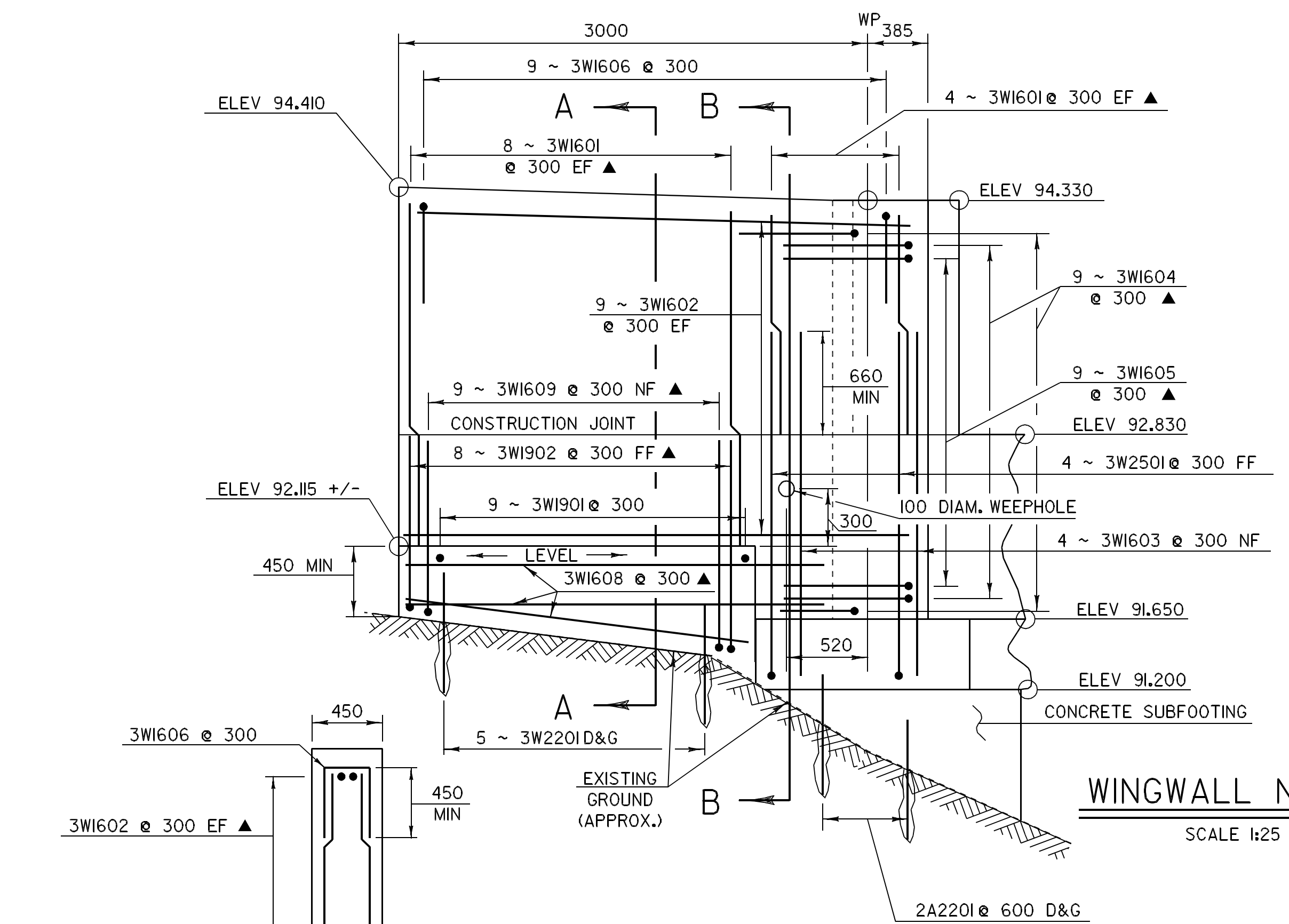
ABUTMENT NO. 2 ELEVATION

SCALE 1:25

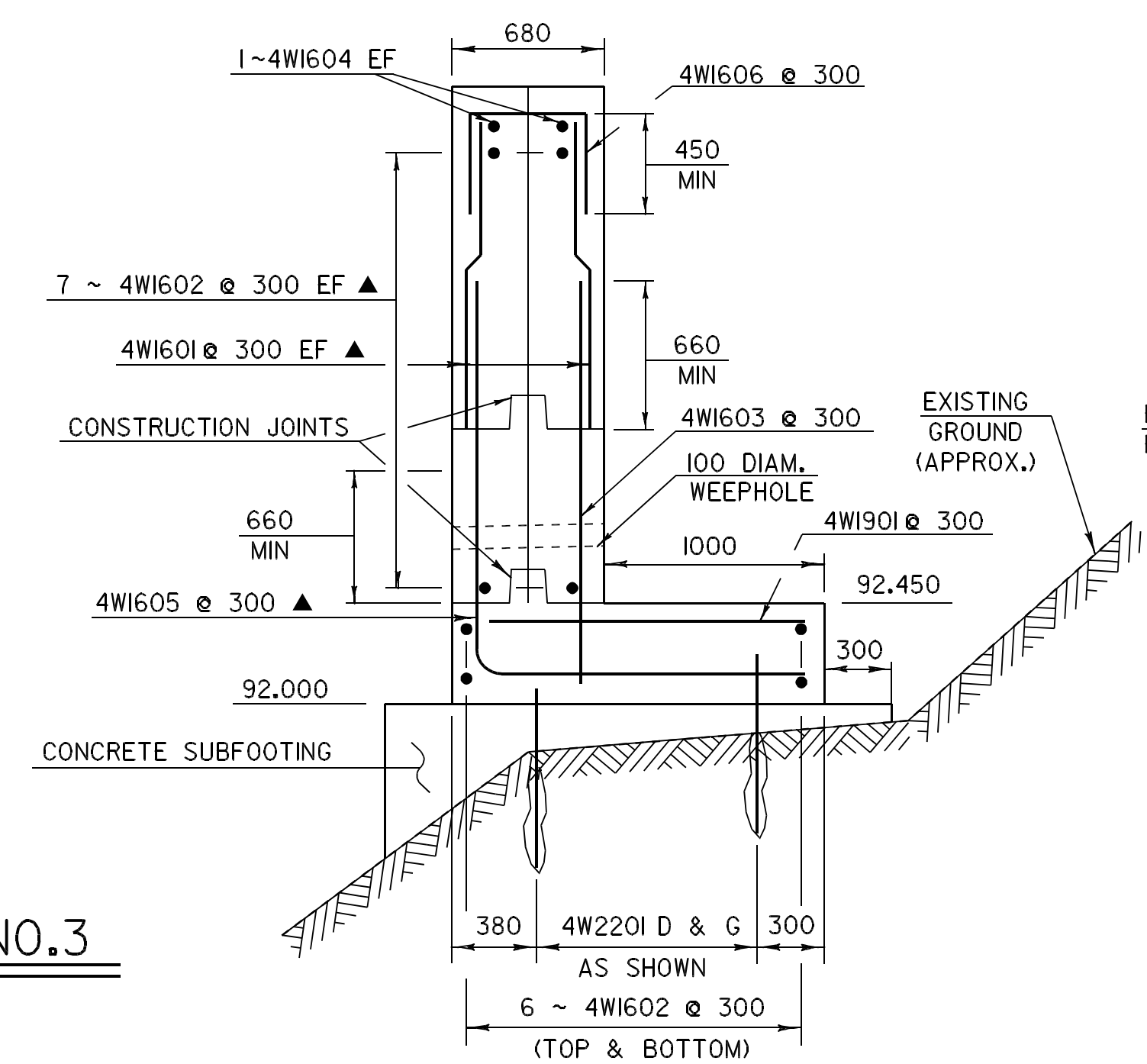
NOTE:
 NF = NEAR FACE
 FF = FAR FACE
 EF = EACH FACE
 ▲ = CUT TO FIT IN FIELD
 80 CLEAR UNLESS OTHERWISE SPECIFIED ON THE PLANS
 ** DRILL & GROUT DOWELS AS SHOWN. 450 MINIMUM DEPTH OF GROUTING

SHEET NAME: ABUTMENT NO. 2	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /sfr1/93j021/sj021sub2.dgn	PLOT DATE: 29-MAR-2005
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: D.BONNEAU
DESIGNED BY: C.MEUNIER	IPARM NAME: sj021ab2.i
BRIDGE SHEET NUMBER:	SHEET 27 OF 53

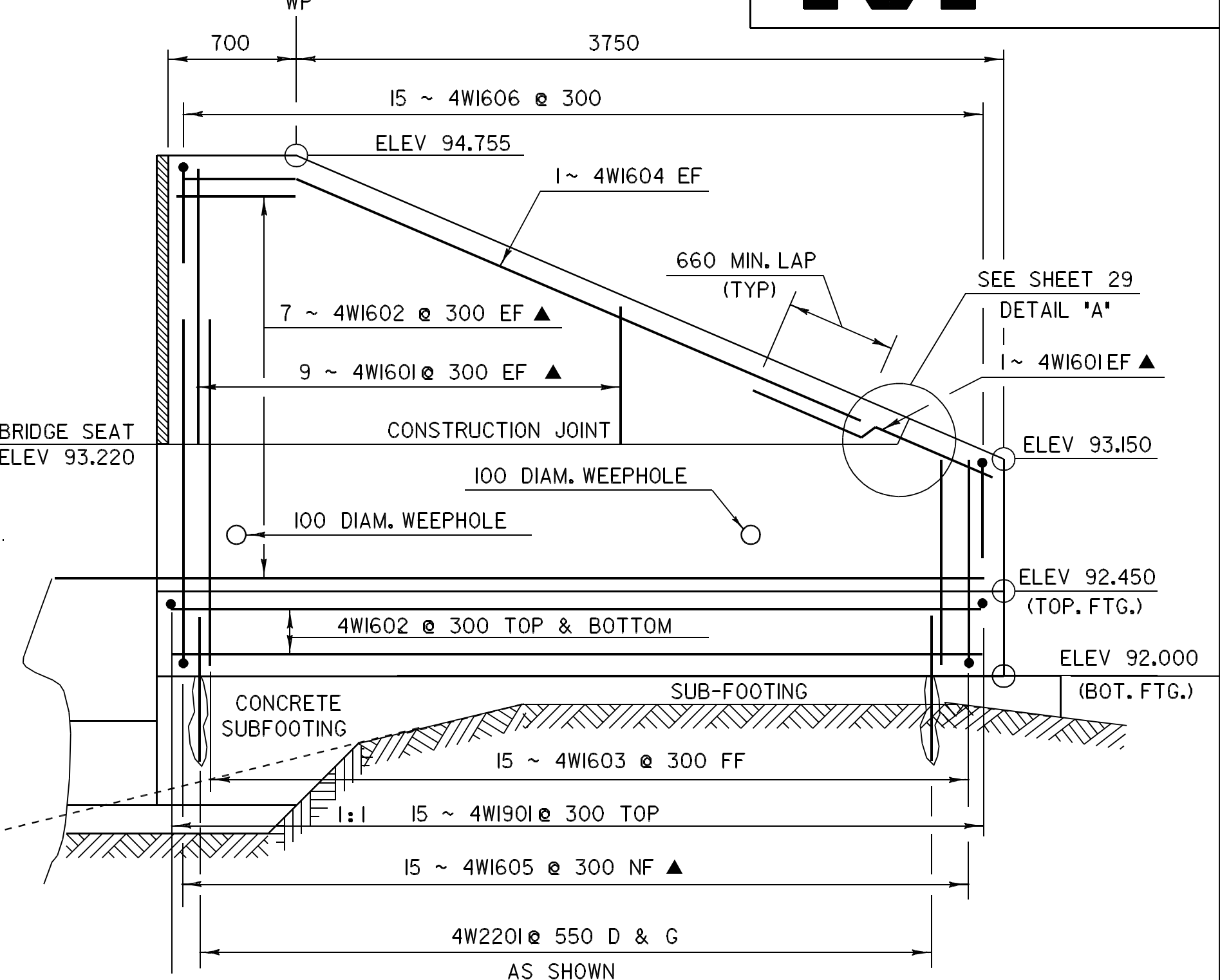
REV: 5/14/03



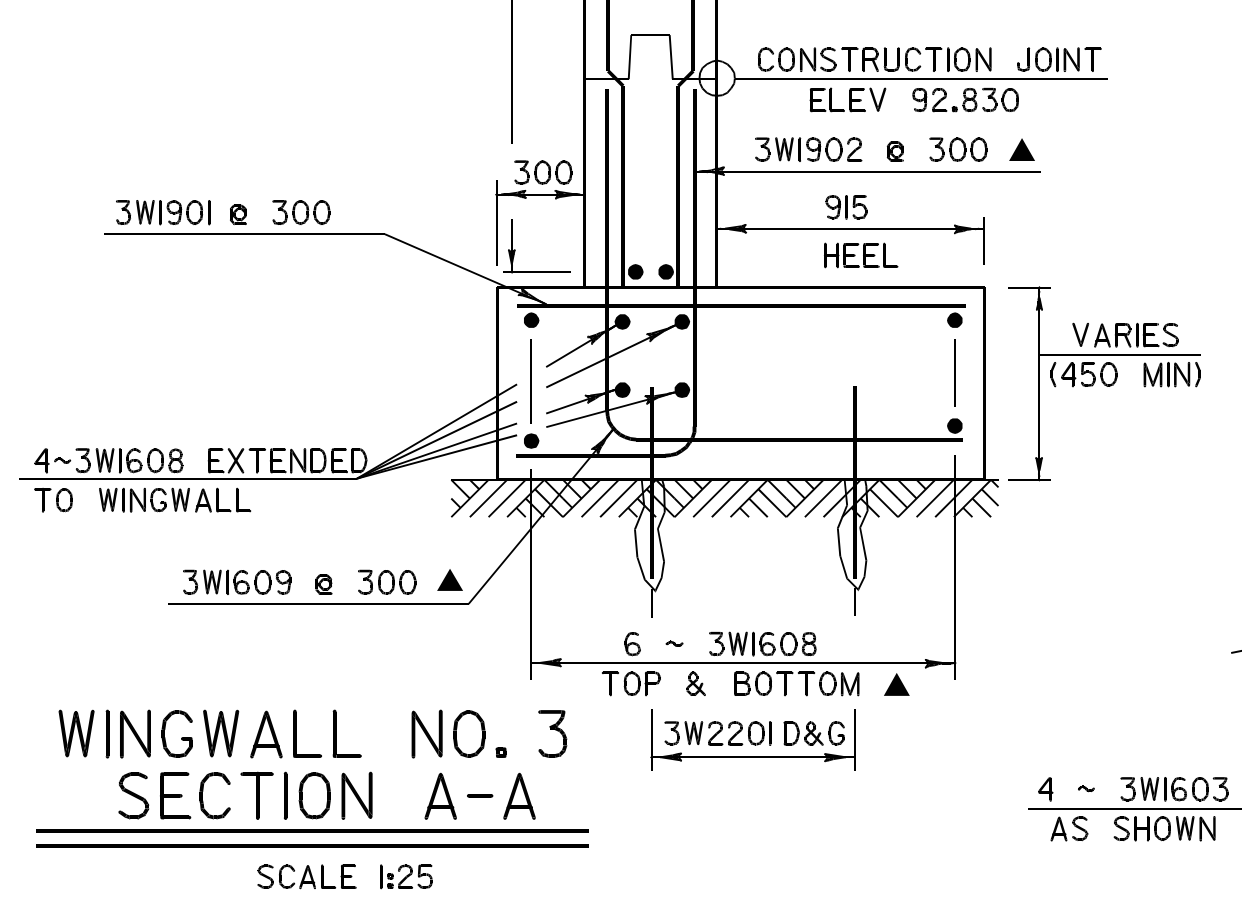
WINGWALL NO. 3
SCALE 1:25



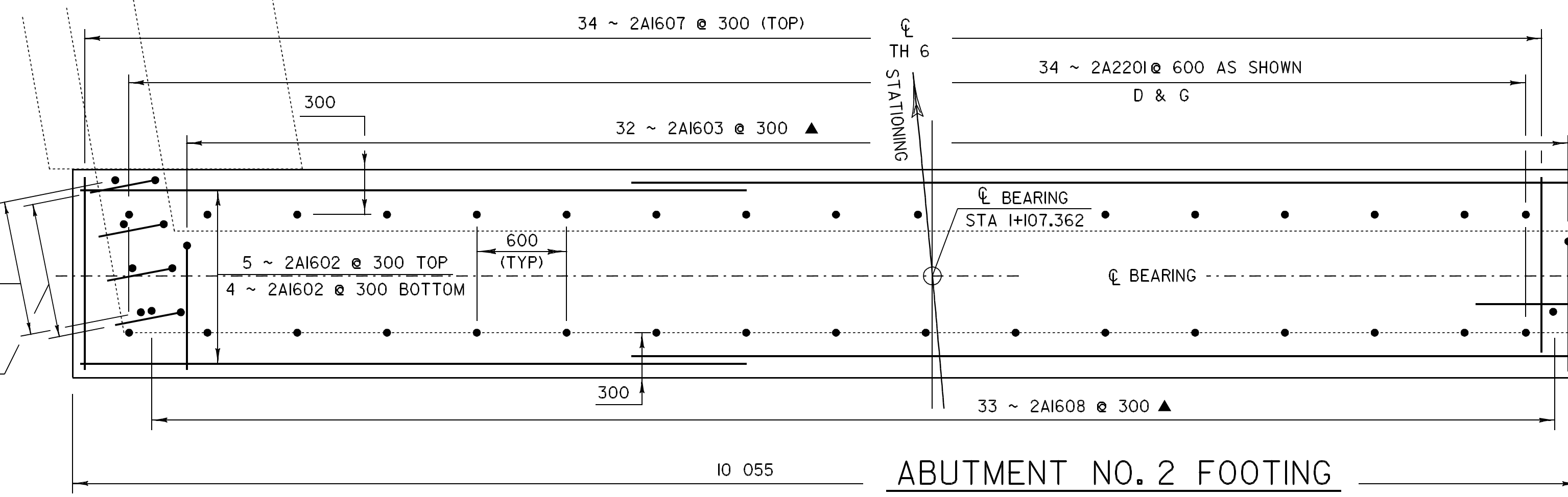
WINGWALL NO. 4 TYPICAL SECTION
SCALE 1:25



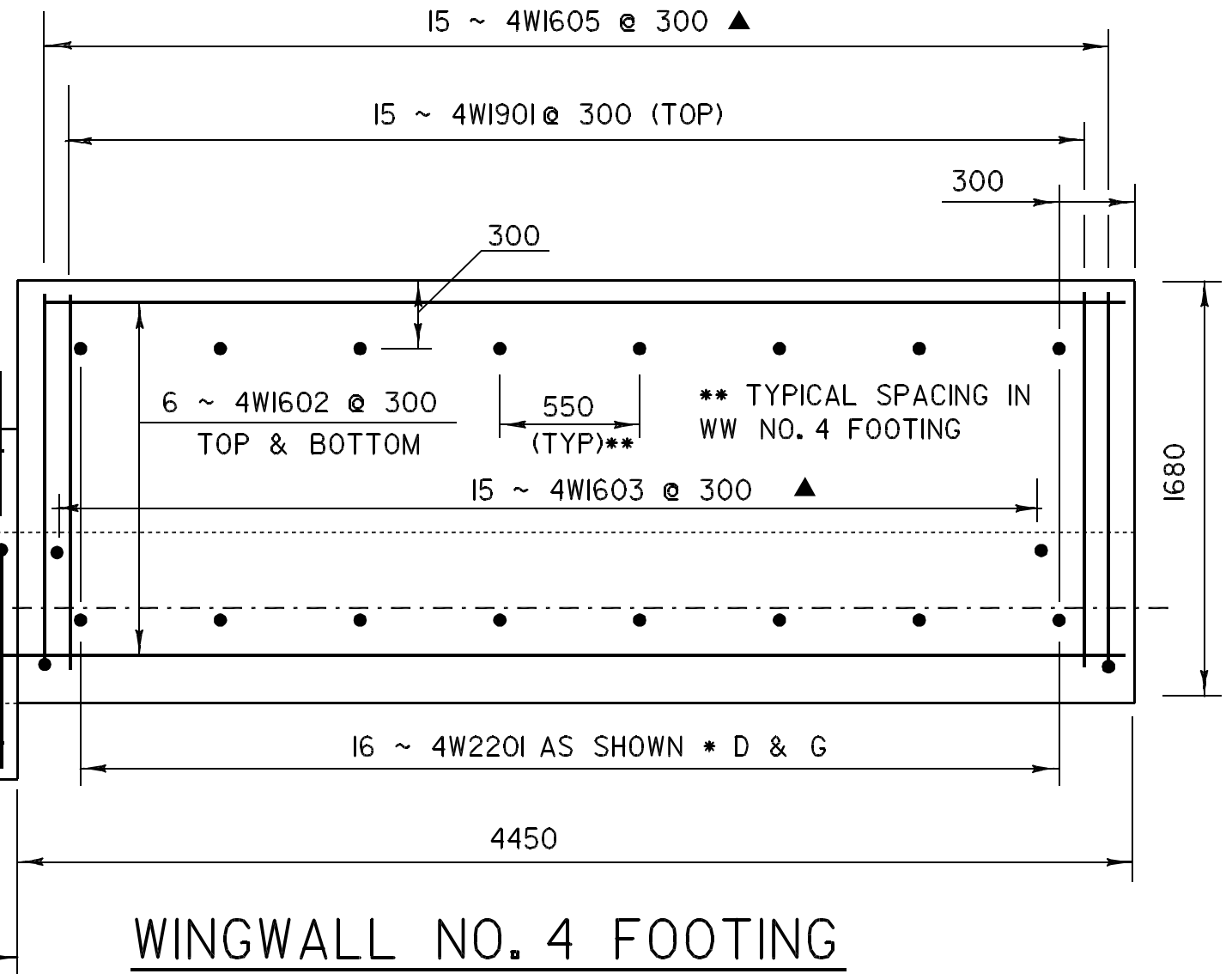
WINGWALL NO. 4
SCALE 1:25



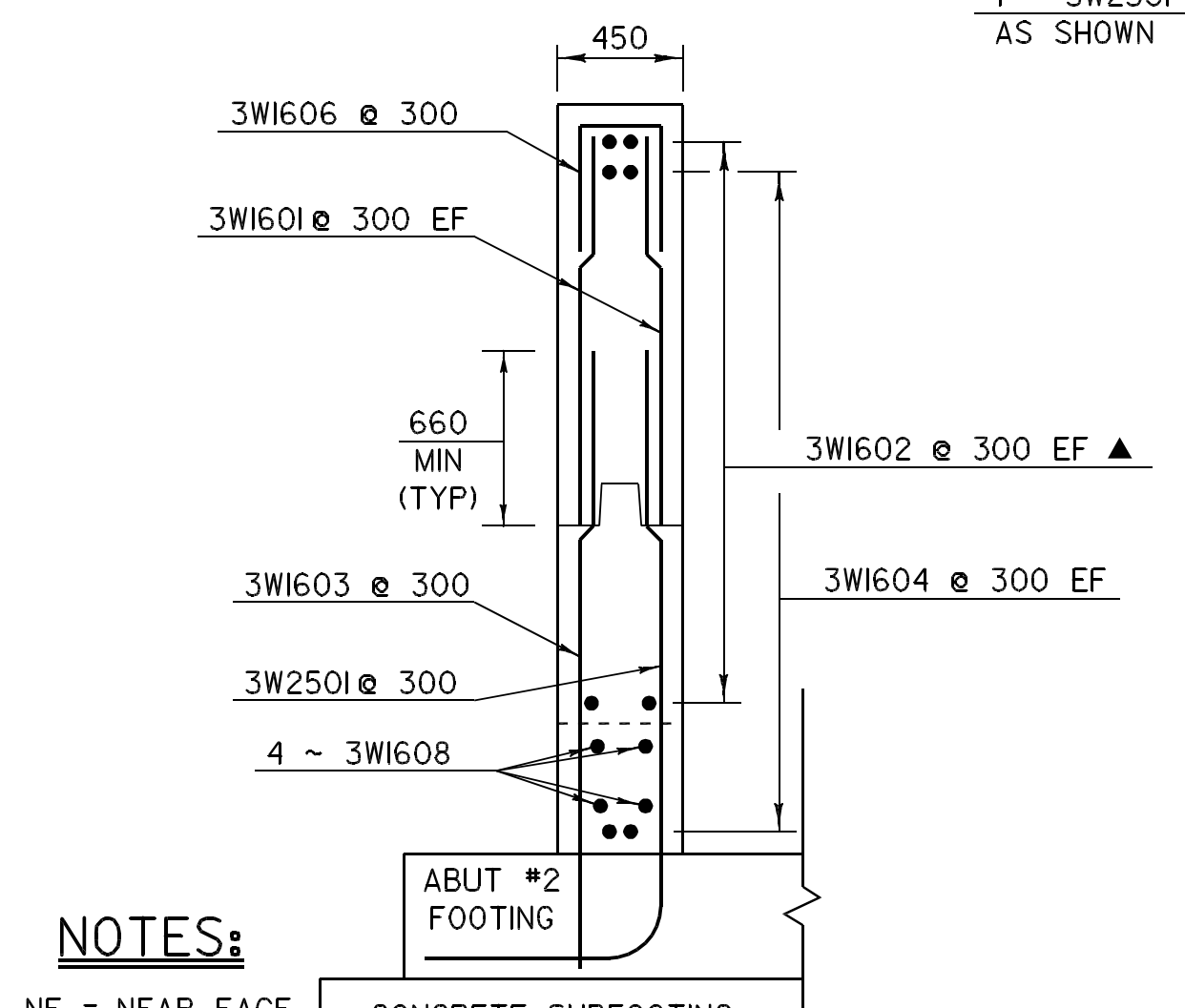
WINGWALL NO. 3 SECTION A-A
SCALE 1:25



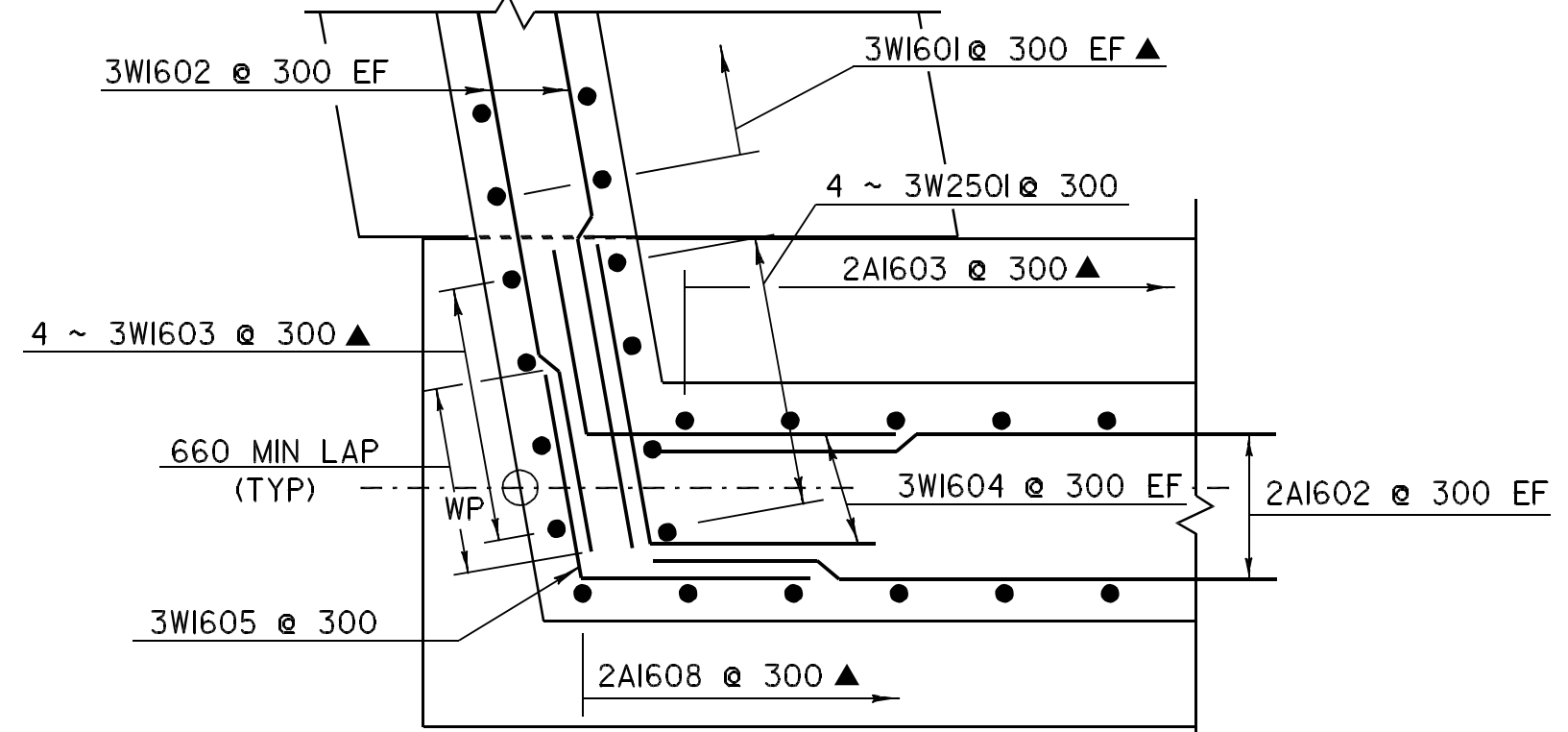
ABUTMENT NO. 2 FOOTING
SCALE 1:25



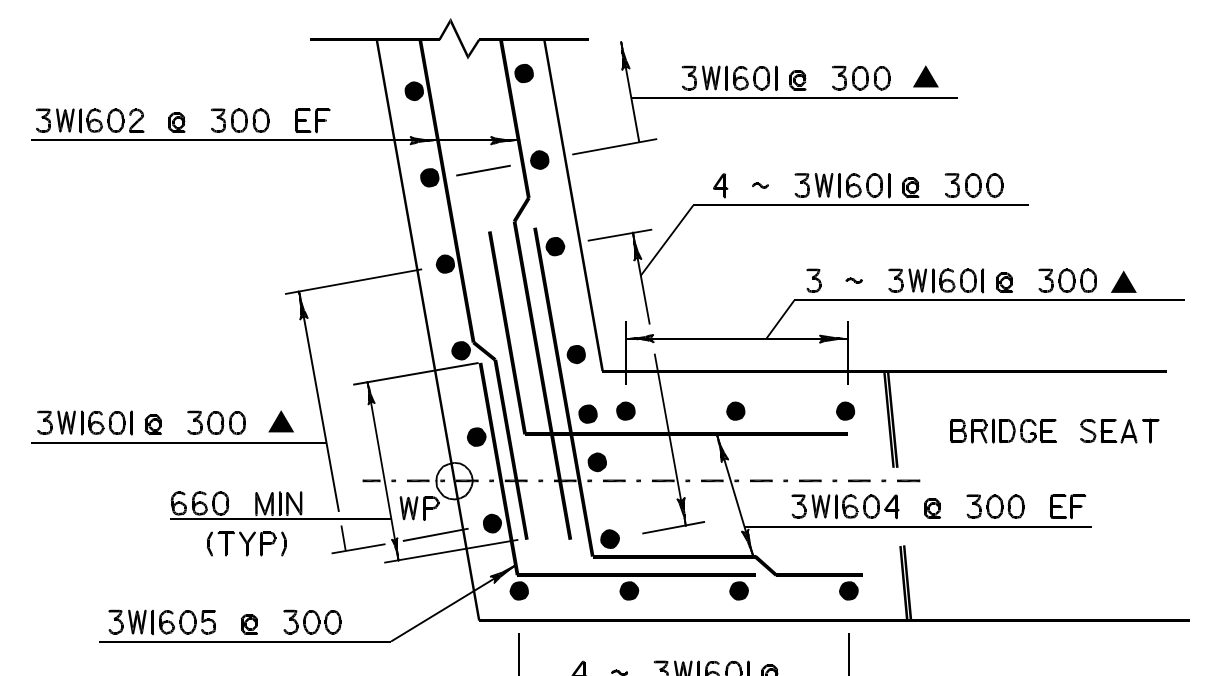
WINGWALL NO. 4 FOOTING
SCALE 1:25



WINGWALL NO. 3 SECTION B-B
SCALE 1:25



WINGWALL NO. 3 CORNER DETAIL BELOW BRIDGE SEAT
SCALE 1:20

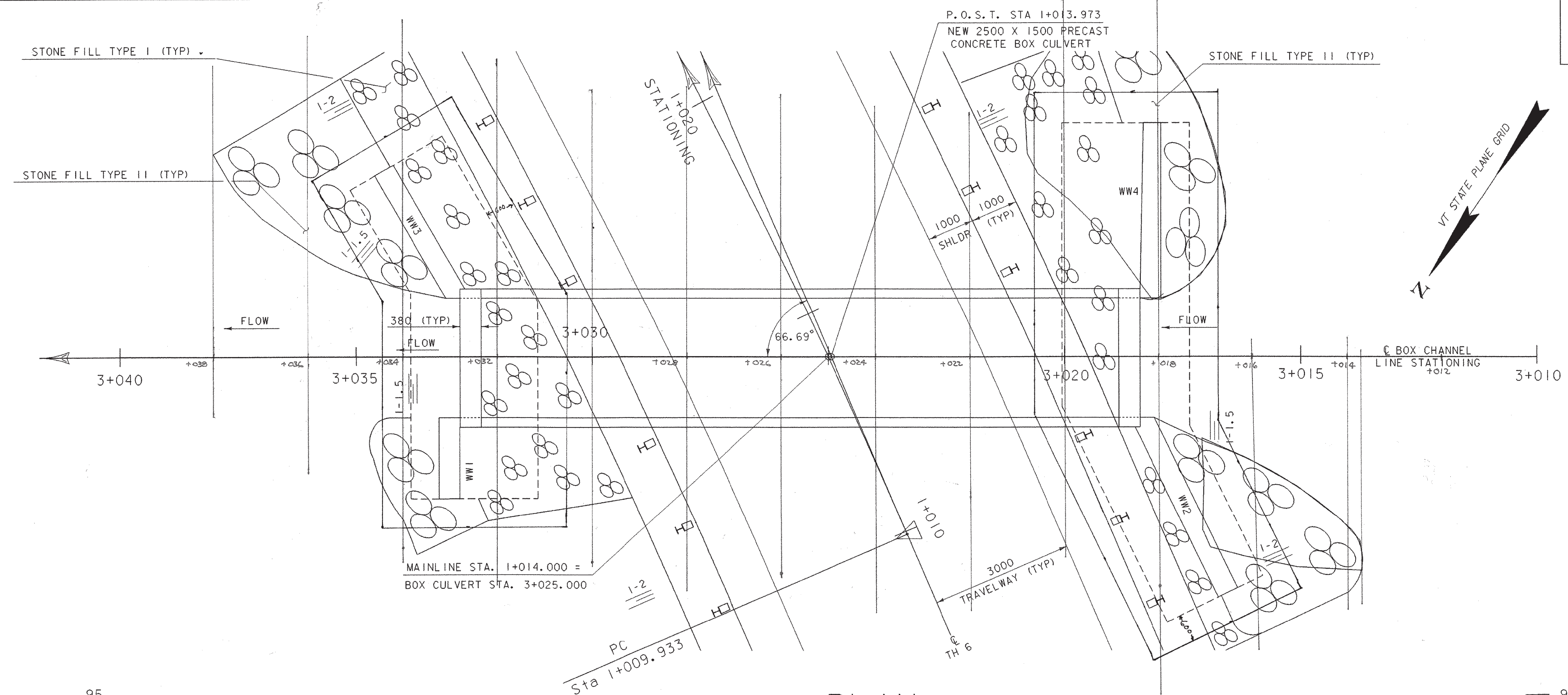


WINGWALL NO. 3 CORNER DETAIL ABOVE BRIDGE SEAT
SCALE 1:20

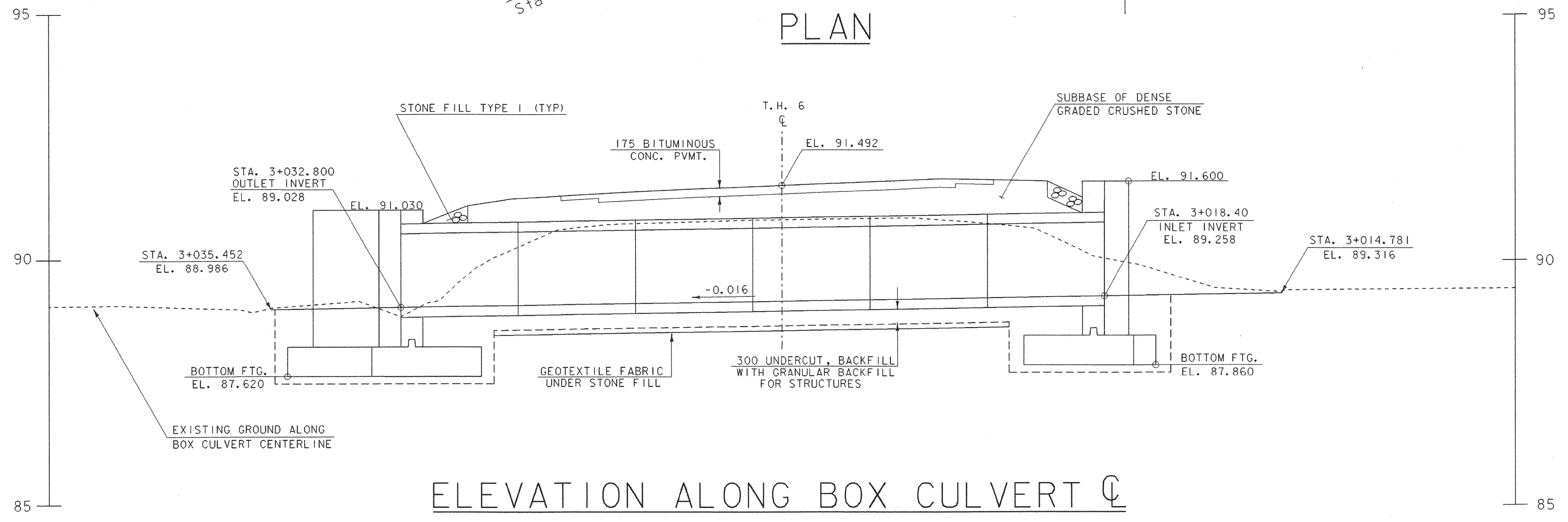
NOTES:

- NF = NEAR FACE
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- EF = EACH FACE
- ▲ = CUT TO FIT IN FIELD
- 80 CLEAR UNLESS OTHERWISE SPECIFIED ON THE PLANS
- * DRILL & GROUT DOWELS AS SHOWN.
- 450 MINIMUM DEPTH OF GROUTING

SHEET NAME: WINGWALL 3 & 4 DETAILS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s1r1/93j021/sj021sub2.dgn	PLOT DATE: 29-MAR-2005
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: D. BONNEAU
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021ord1
BRIDGE SHEET NUMBER:	SHEET 28 OF 53

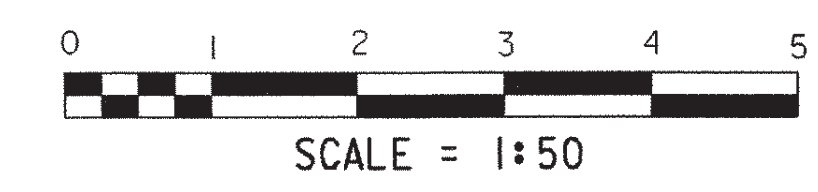


PLAN

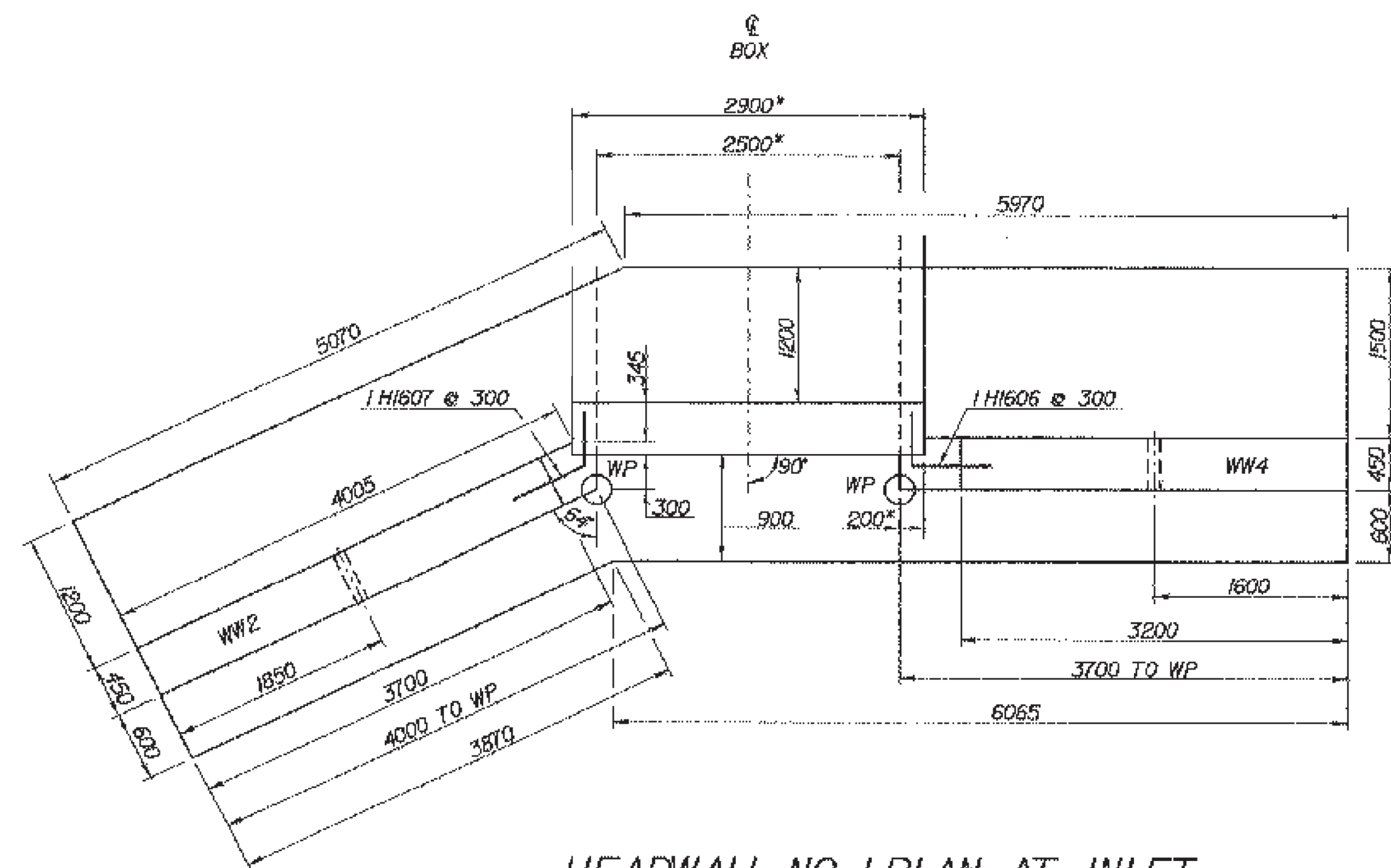


ELEVATION ALONG BOX CULVERT C

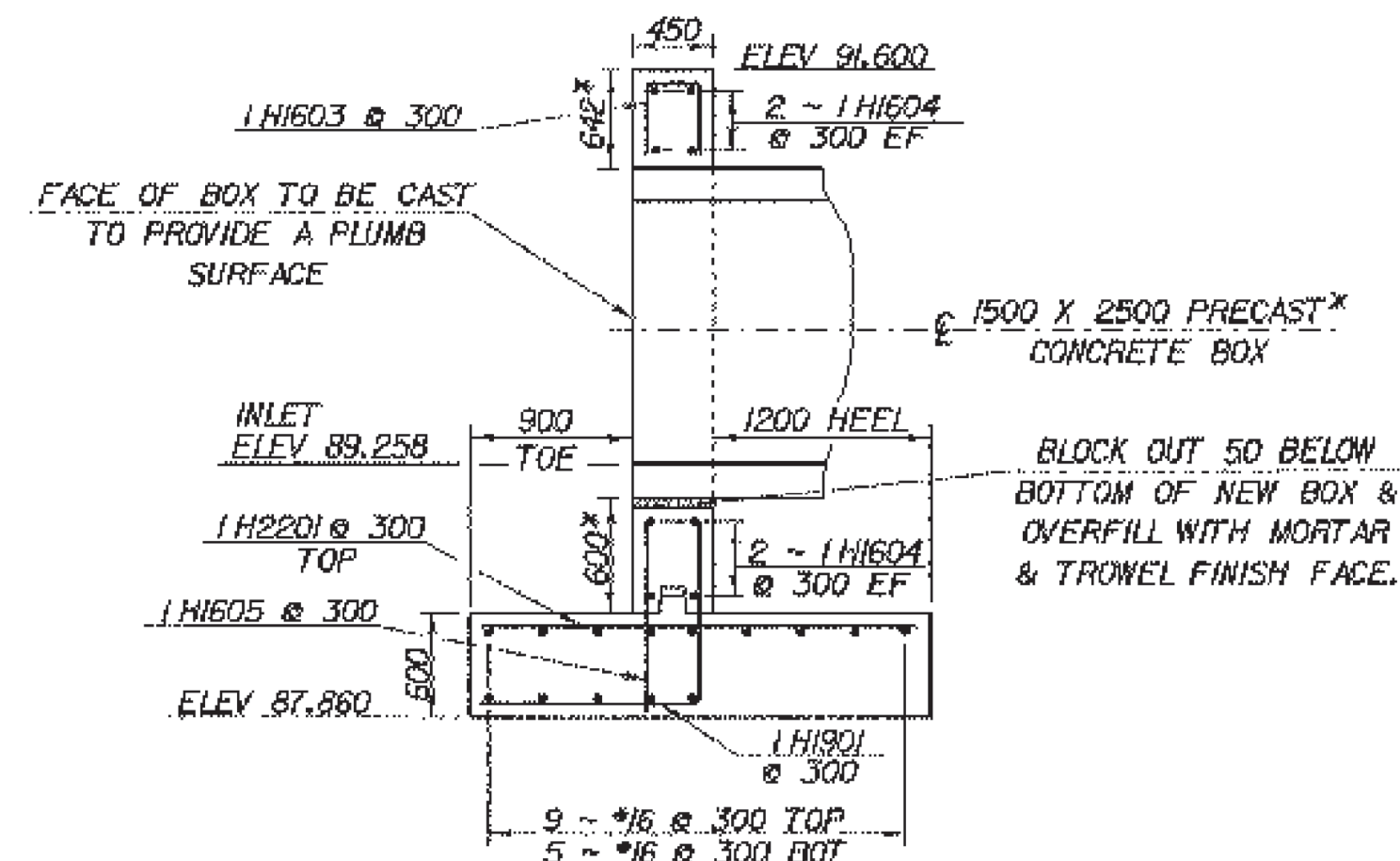
DATUM	
VERTICAL	_____
HORIZONTAL	_____



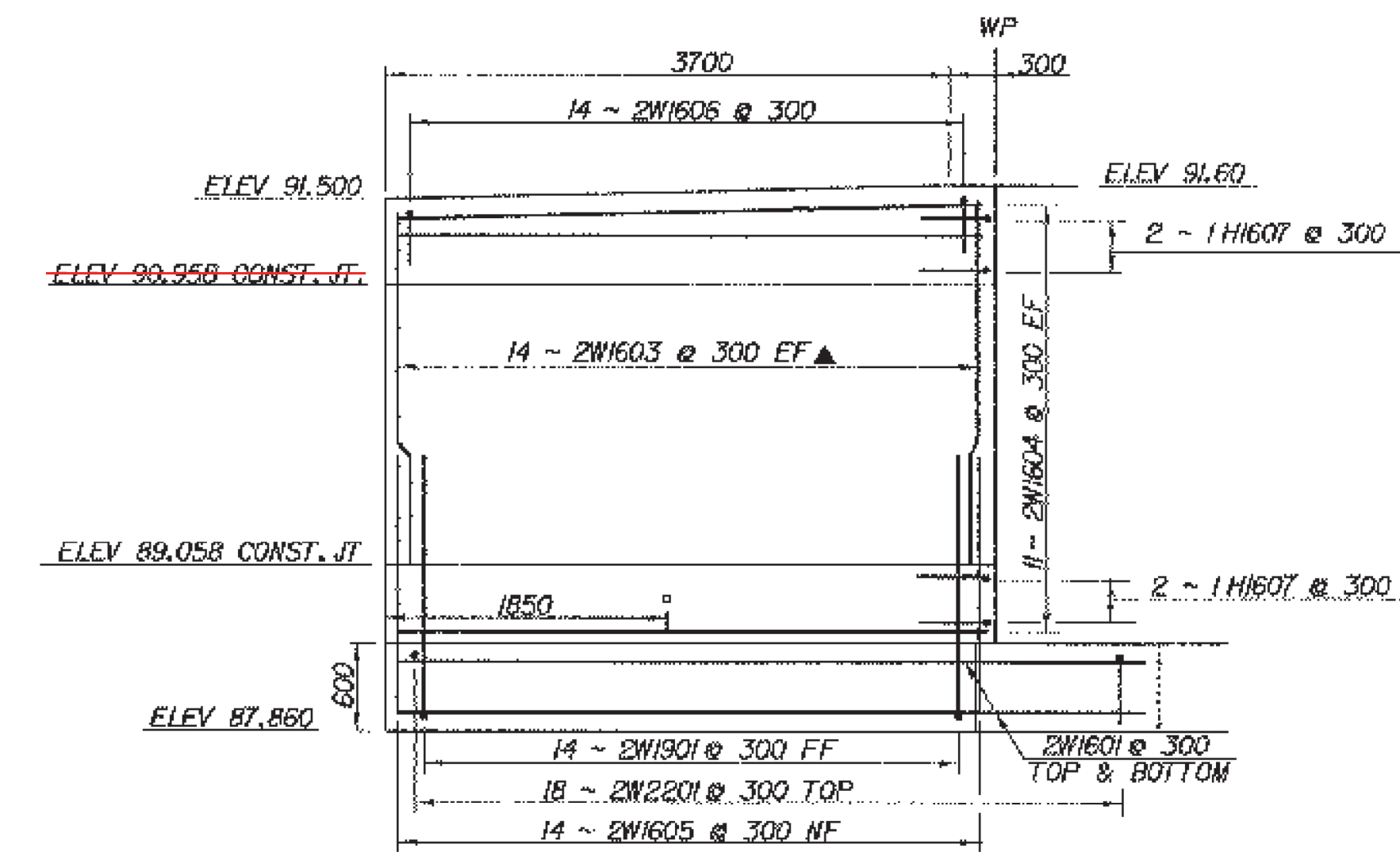
SHEET NAME: BOX PLAN AND ELEVATION SHEET	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
FILE NAME: /str/93j021/boxpe.dgn	OVER: POULTNEY RIVER
PROJECT MANAGER: G.S. ROGERS	PLOT DATE: 28-JAN-2003
DESIGNED BY: C. MEUNIER	DRAWN BY: STRI
BRIDGE SHEET NUMBER:	IPARM NAME: sj02lbp.ej
	SHEET 31 OF 53



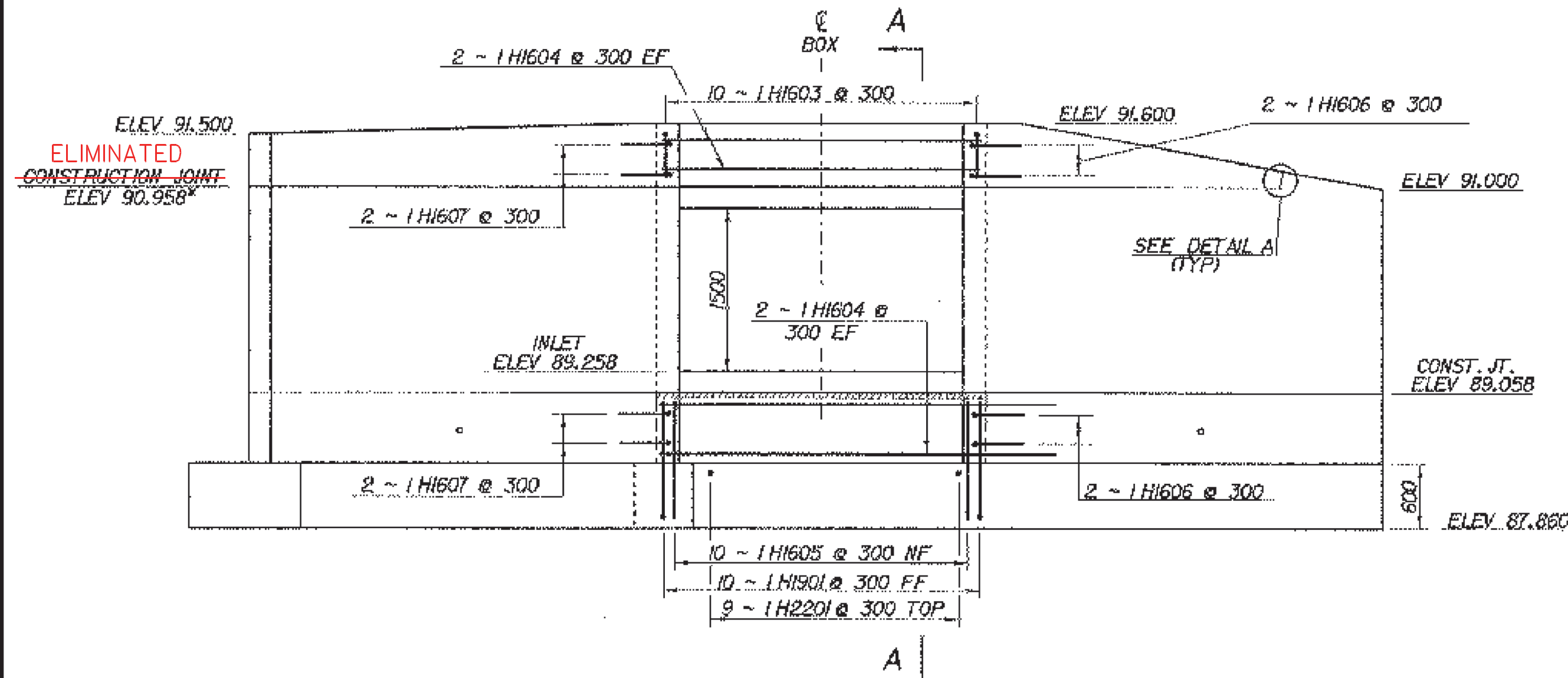
HEADWALL NO. 1 PLAN AT INLET
SCALE - 1:40



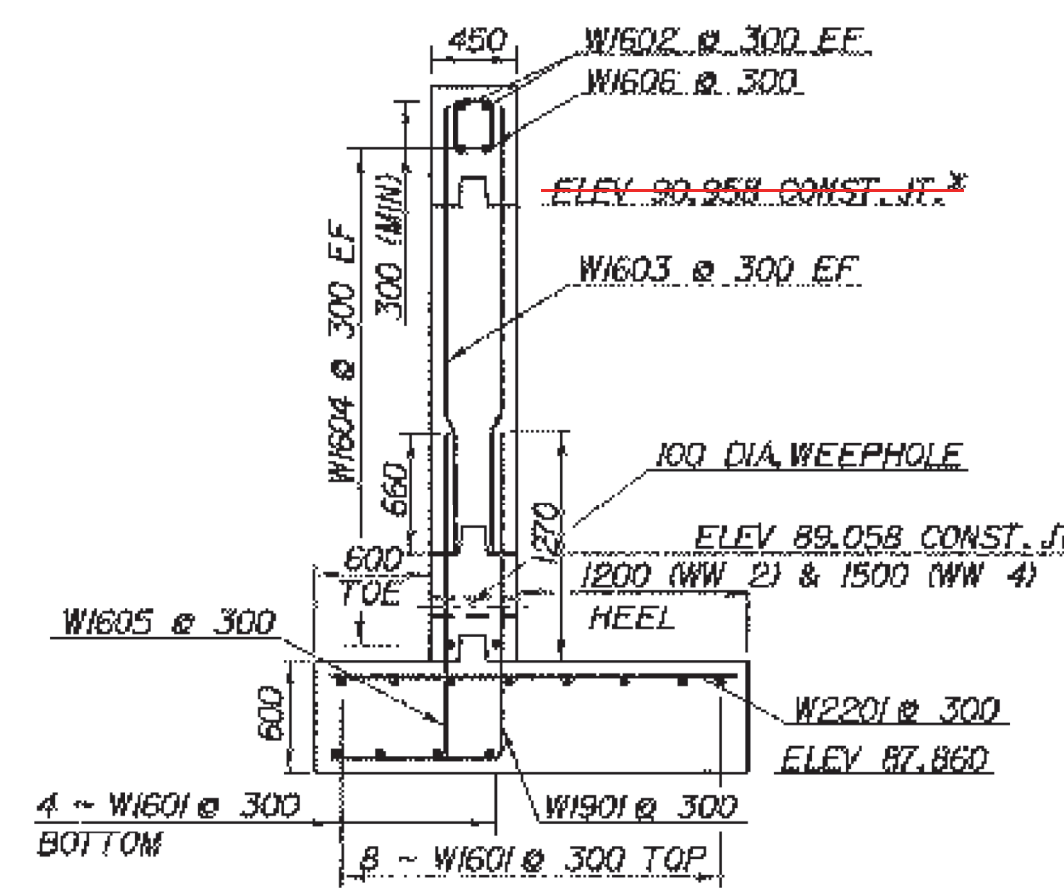
INLET HEADWALL SECTION A-A
SCALE - 1:40



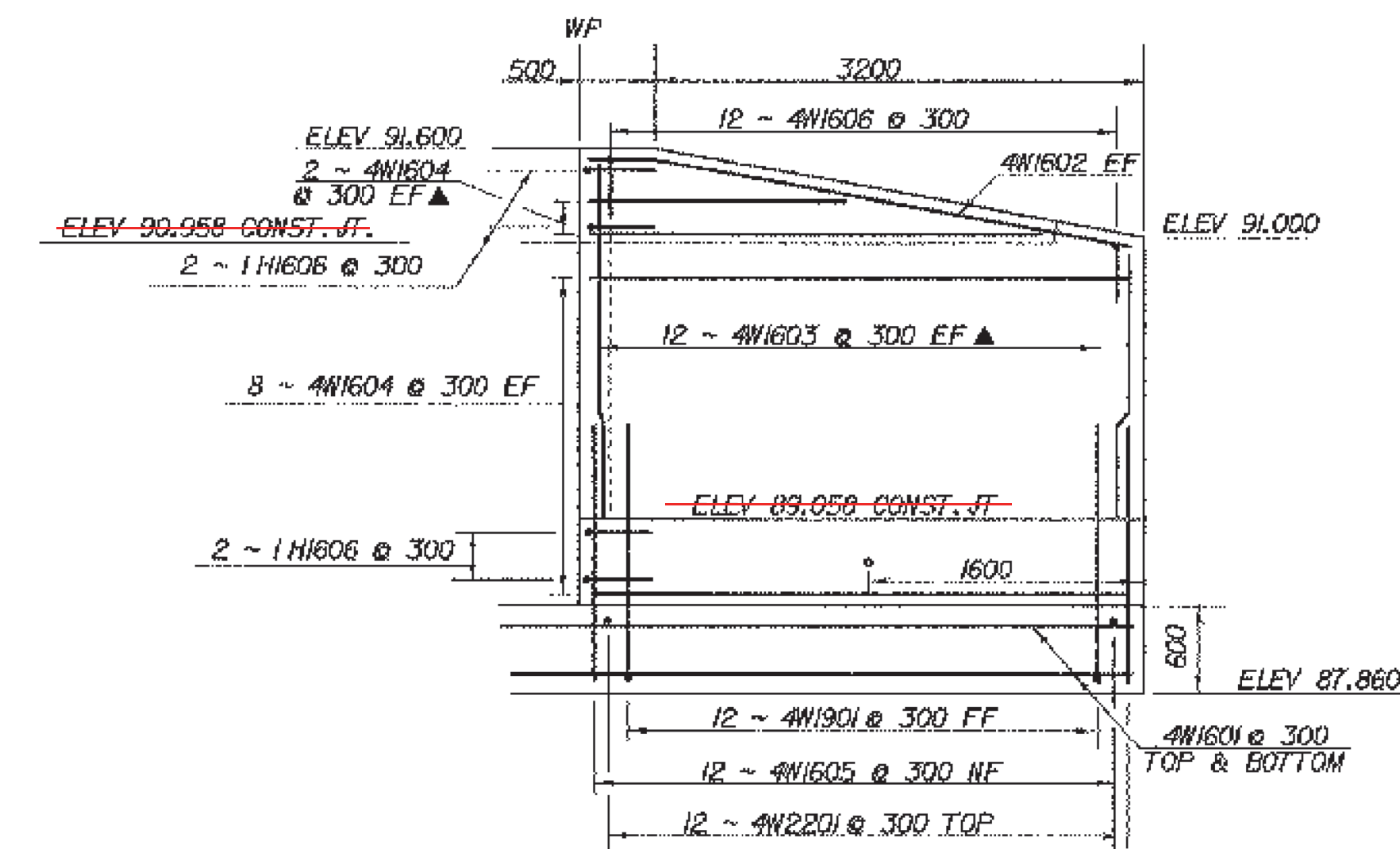
WINGWALL NO. 2 ELEVATION
SCALE - 1:40



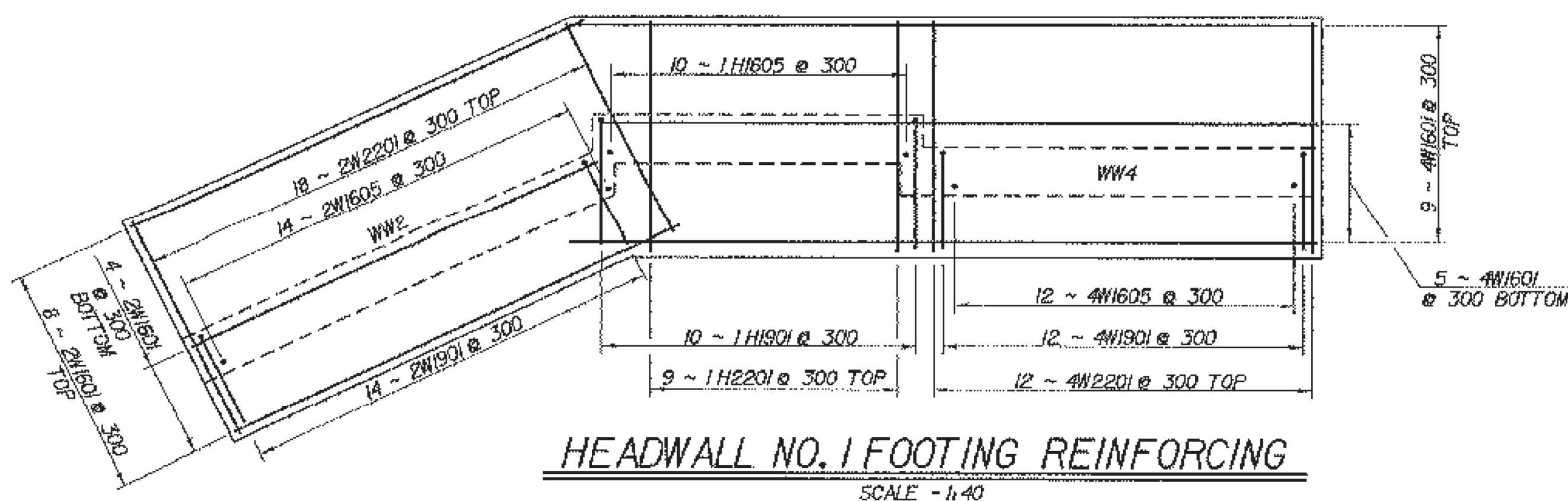
HEADWALL NO. 1 ELEVATION
SCALE - 1:40



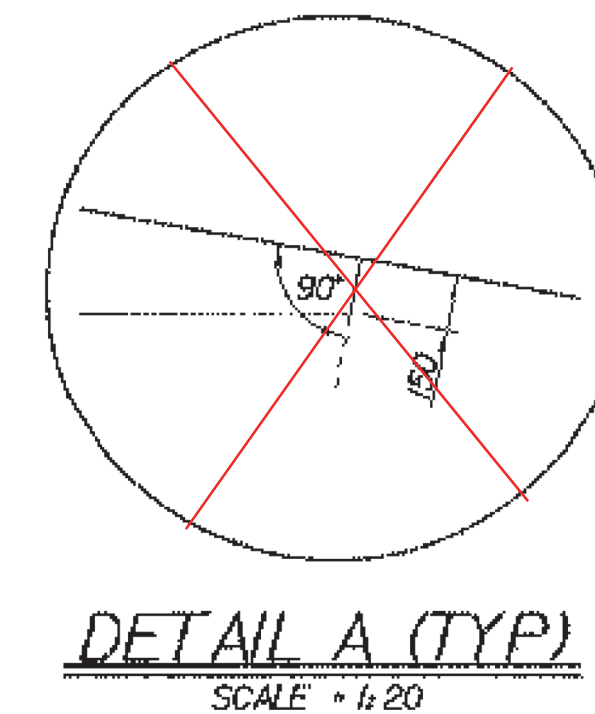
WINGWALL SECTION TYPICAL
SCALE - 1:40



WINGWALL NO. 4 ELEVATION
SCALE - 1:40



HEADWALL NO. 1 FOOTING REINFORCING
SCALE - 1:40



DETAIL A (TYP)
SCALE - 1:20

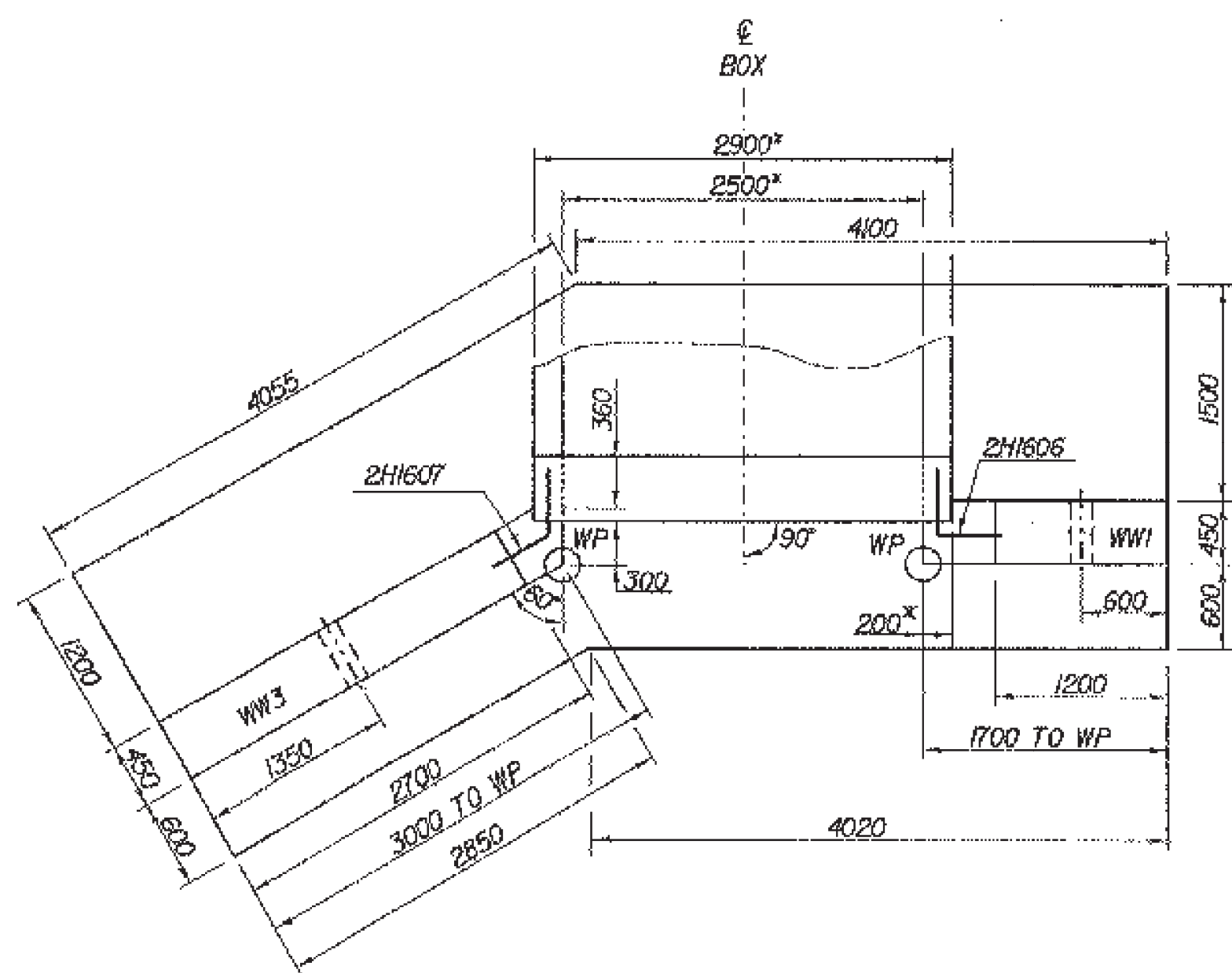
CONSTRUCTION JOINT
ELIMINATED IN WINGS

NOTE:

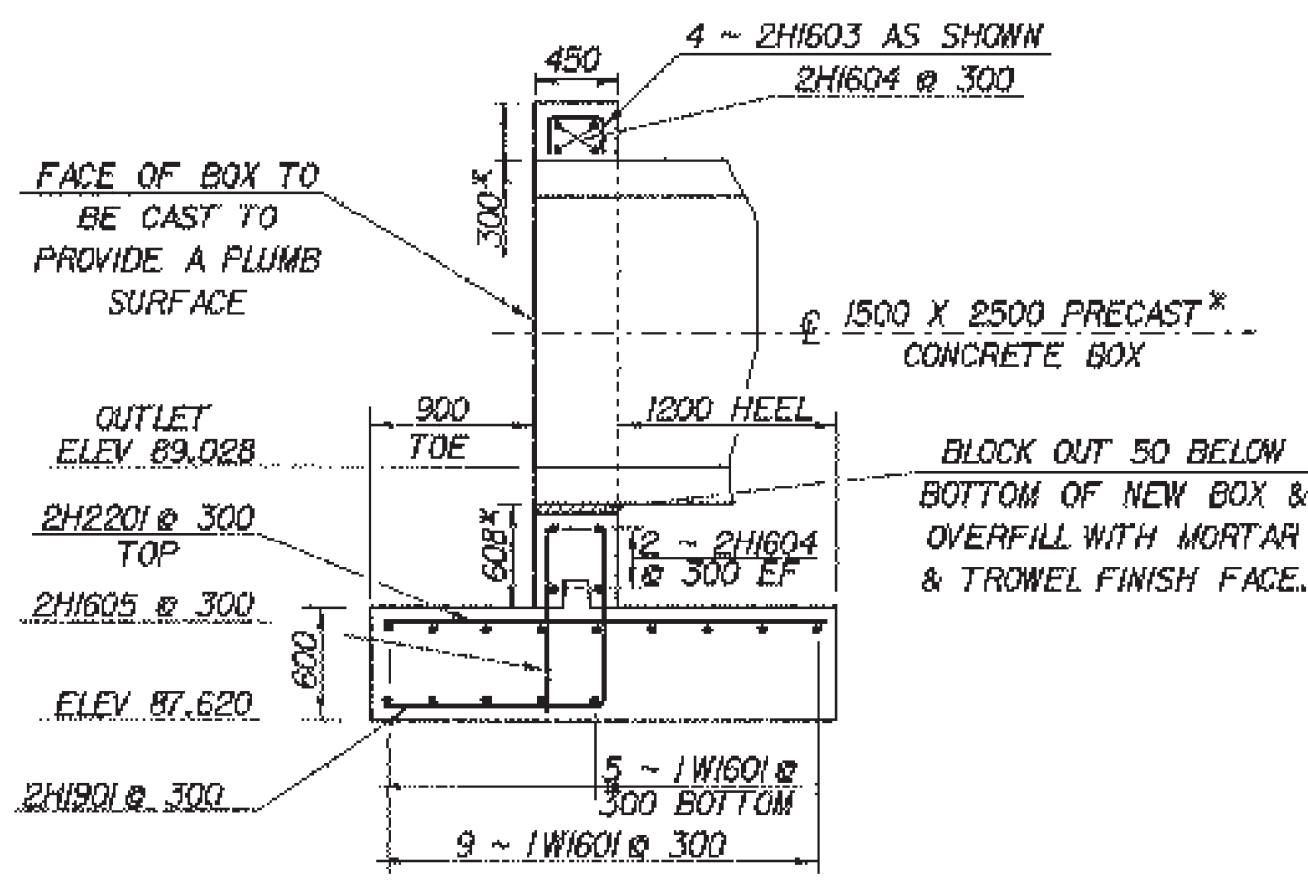
- NF - NEAR FACE
- FF - FAR FACE
- EF - EACH FACE
- ▲ - CUT TO FIT IN FIELD
- 80 CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 3000 MAX WEEPHOLE SPACING

SHEET NAME: HEADWALL NUMBER 1	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
FILE NAME: /str1/93j021/sj021box.dgn	PLOT DATE: 23-MAR-2005
PROJECT MANAGER: C.S. ROGERS	DRAWN BY: J.GILMORE
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bx8.1
BRIDGE SHEET NUMBER:	SHEET 32 OF 53

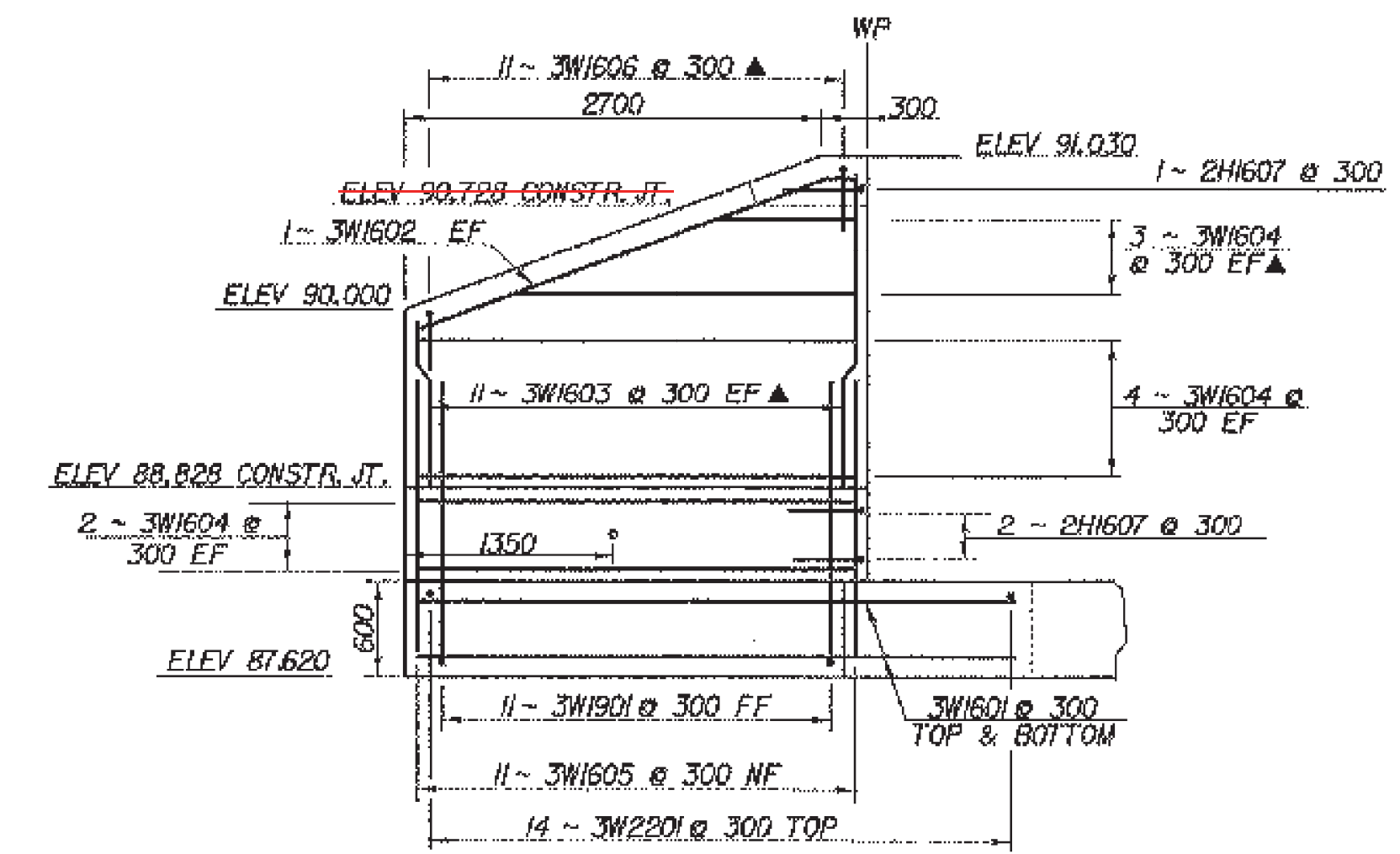
REVISED 14-MAR-03



HEADWALL NO. 2 PLAN AT OUTLET
SCALE = 1:40

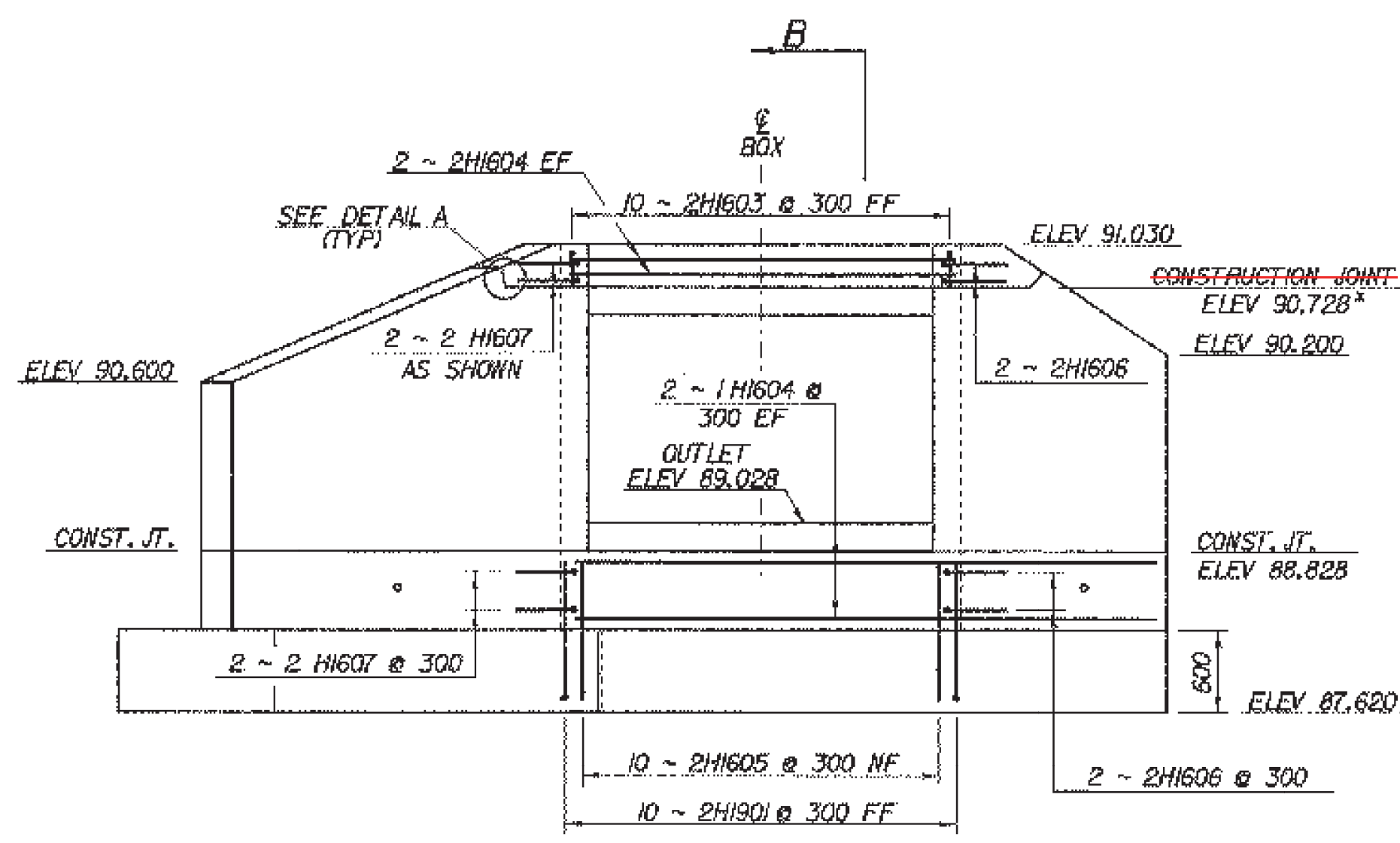


OUTLET HEADWALL SECTION B-B
SCALE = 1:40

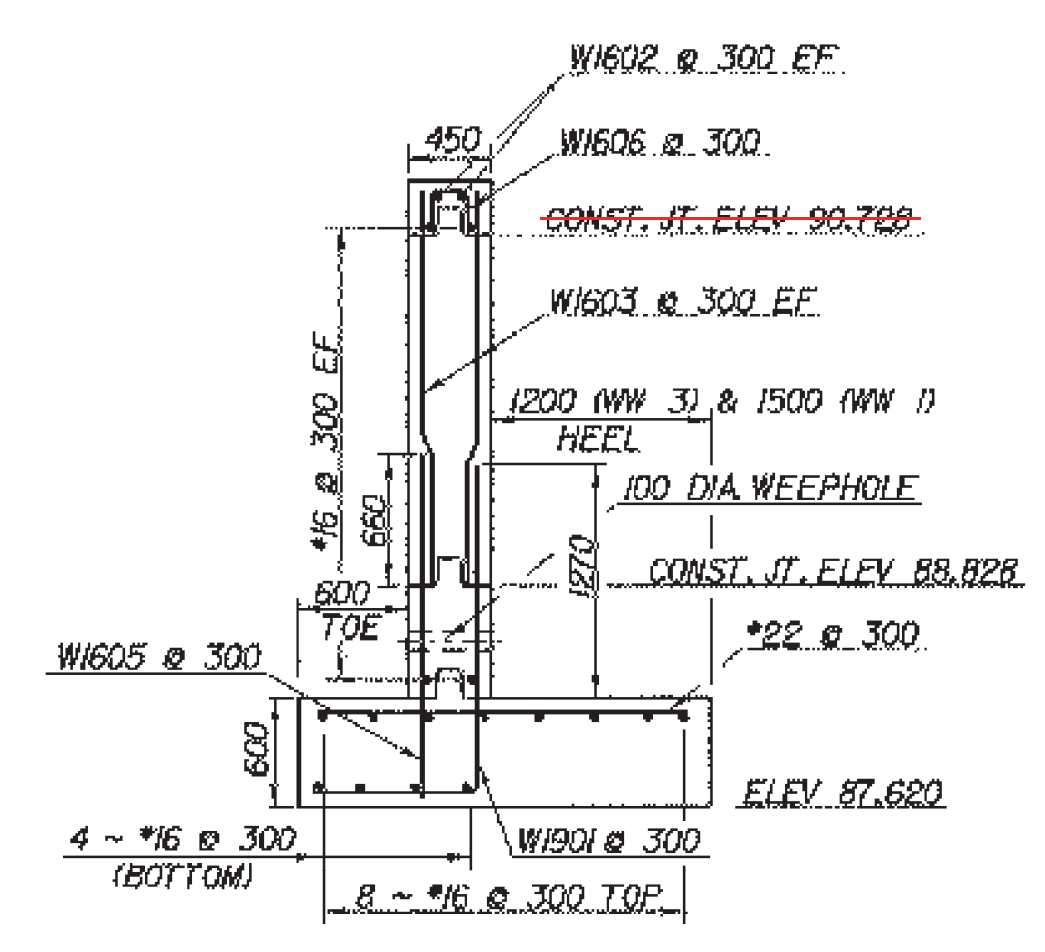


WINGWALL NO. 3 ELEVATION
SCALE = 1:40

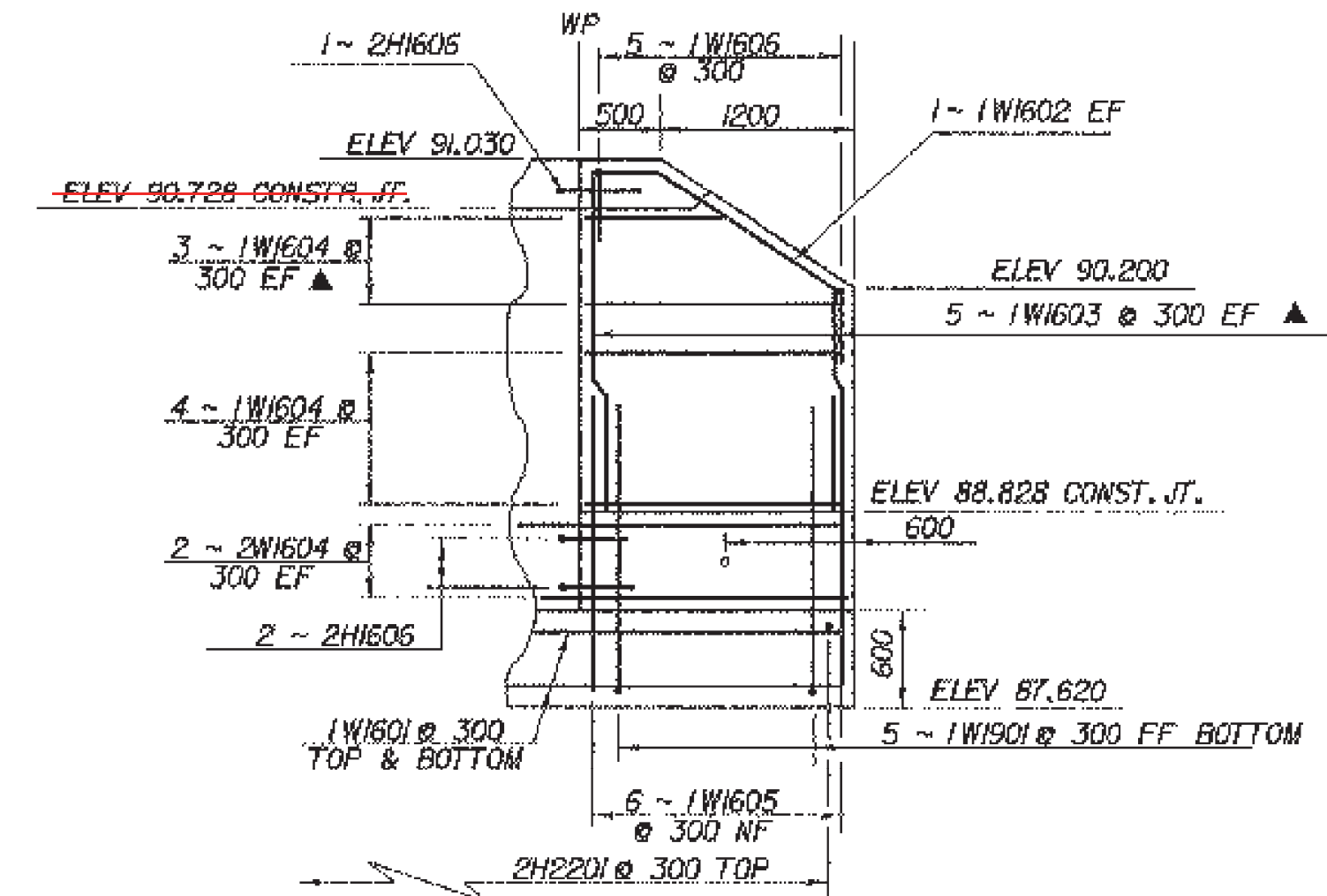
* DIMENSIONS SHOWN ARE FOR AN ASSUMED RC BOX WALL THICKNESS OF 200 mm. ACTUAL DIMENSIONS MAY VARY.



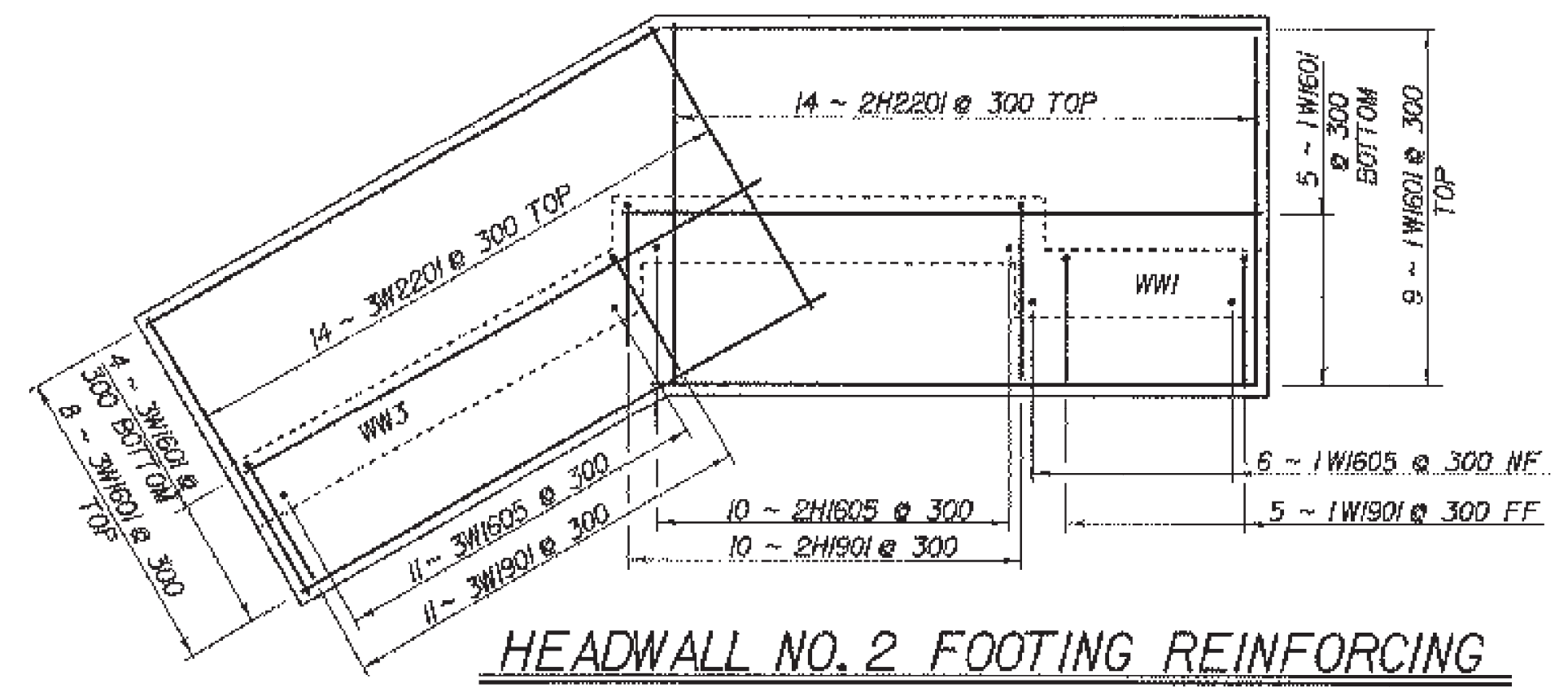
HEADWALL NO. 2 ELEVATION
SCALE = 1:40



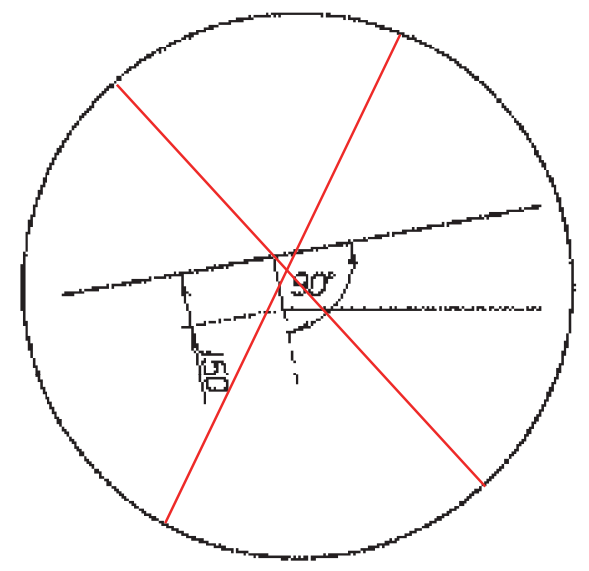
WINGWALL SECTION TYPICAL
SCALE = 1:40



WINGWALL NO. 1 ELEVATION
SCALE = 1:40



HEADWALL NO. 2 FOOTING REINFORCING
SCALE = 1:40

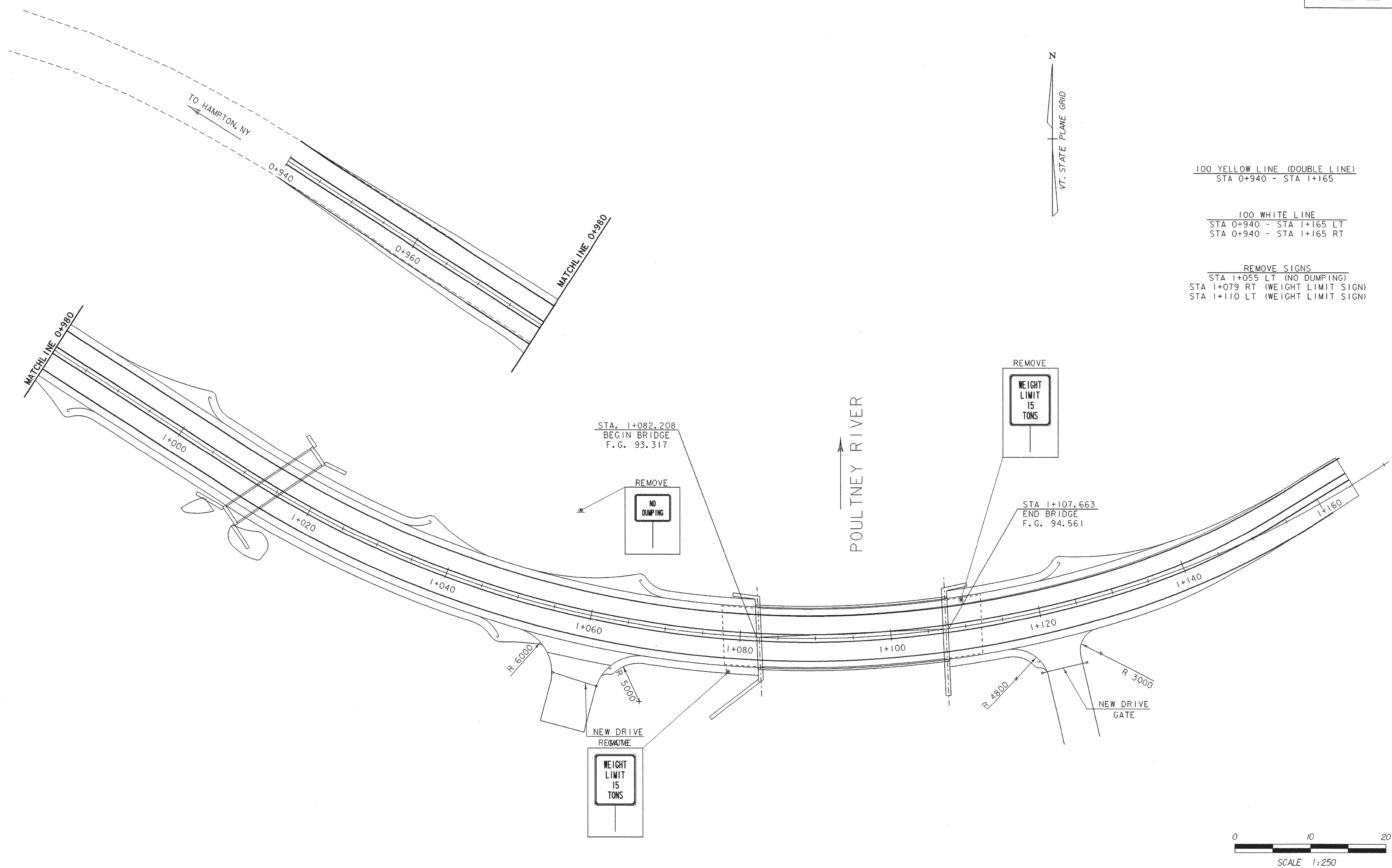


DETAIL A (TYP)
SCALE = 1:20

NOTE:

- NF - NEAR FACE
- FF - FAR FACE
- EF - EACH FACE
- ▲ - CUT TO FIT IN FIELD
- 80 CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 3000 MAX WEEPHOLE SPACING

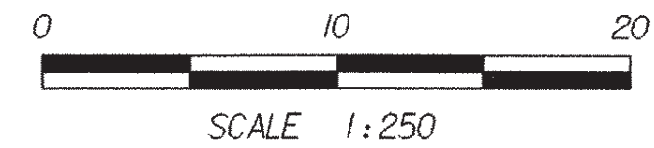
SHEET NAME: HEADWALL NUMBER 2	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/193j021/sj021box.dgn	PLOT DATE: 23-MAR-2005
PROJECT MANAGER: C.S. ROGERS	DRAWN BY: J.GILMORE
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bx9.1
BRIDGE SHEET NUMBER:	SHEET 33 OF 53



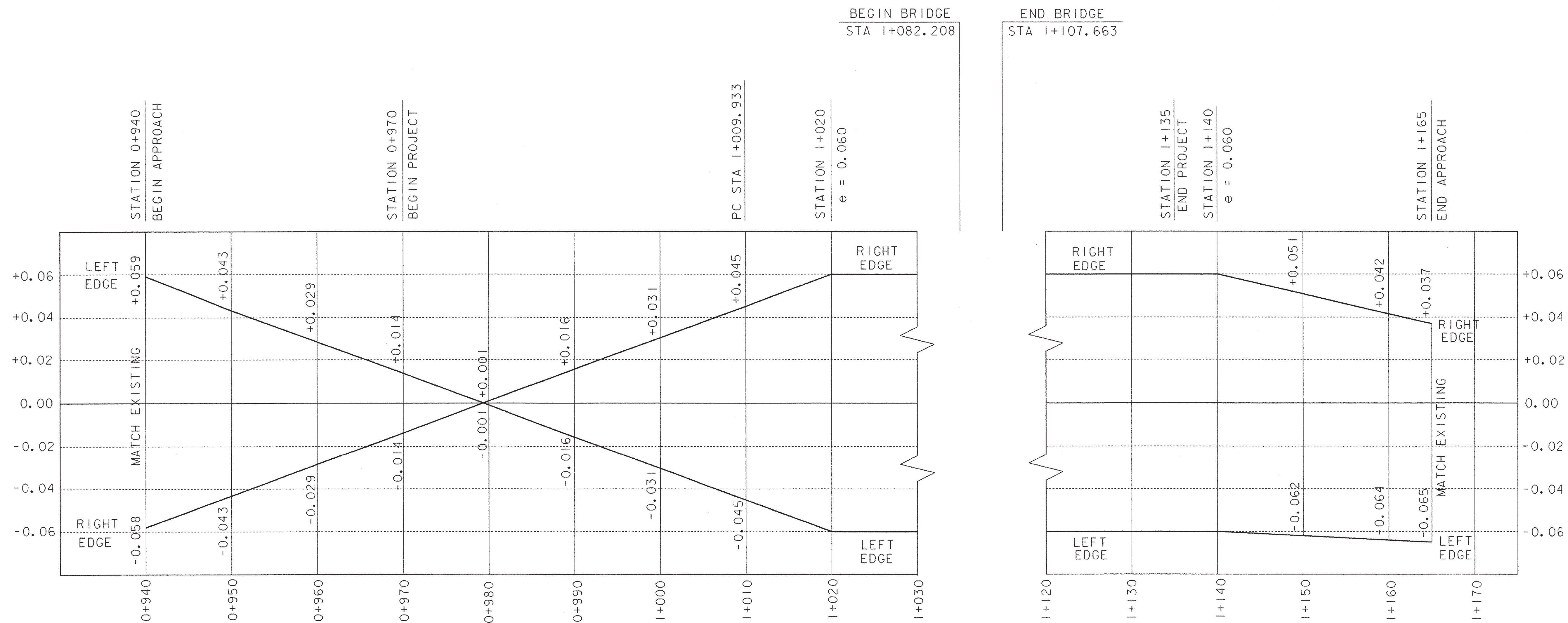
100 YELLOW LINE (DOUBLE LINE)
STA 0+940 - STA 1+165

100 WHITE LINE
STA 0+940 - STA 1+165 LT
STA 0+940 - STA 1+165 RT

REMOVE SIGNS
STA 1+055 LT (NO DUMPING)
STA 1+079 RT (WEIGHT LIMIT SIGN)
STA 1+110 LT (WEIGHT LIMIT SIGN)



SHEET NAME: PAVEMENT MARKING AND SIGN SHEET	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s+r/93j021/sj021sgn.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: J.GILMORE
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021sgn.l
BRIDGE SHEET NUMBER:	SHEET 34 OF 53



Banking Diagram

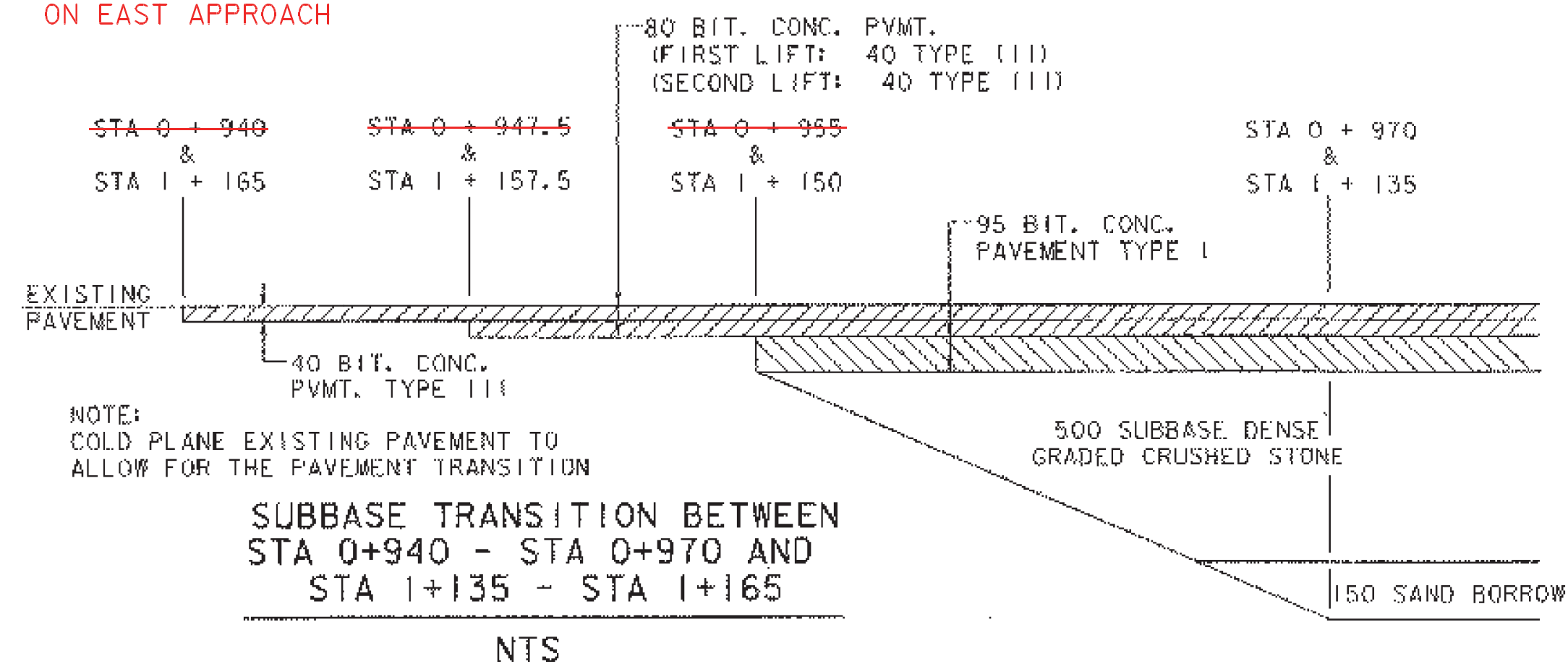
1:250 HORIZONTALLY
1:100 VERTICALLY

Design Criteria

R = 138 m
e_{max} = 0.060
60 km/h (35 mph)

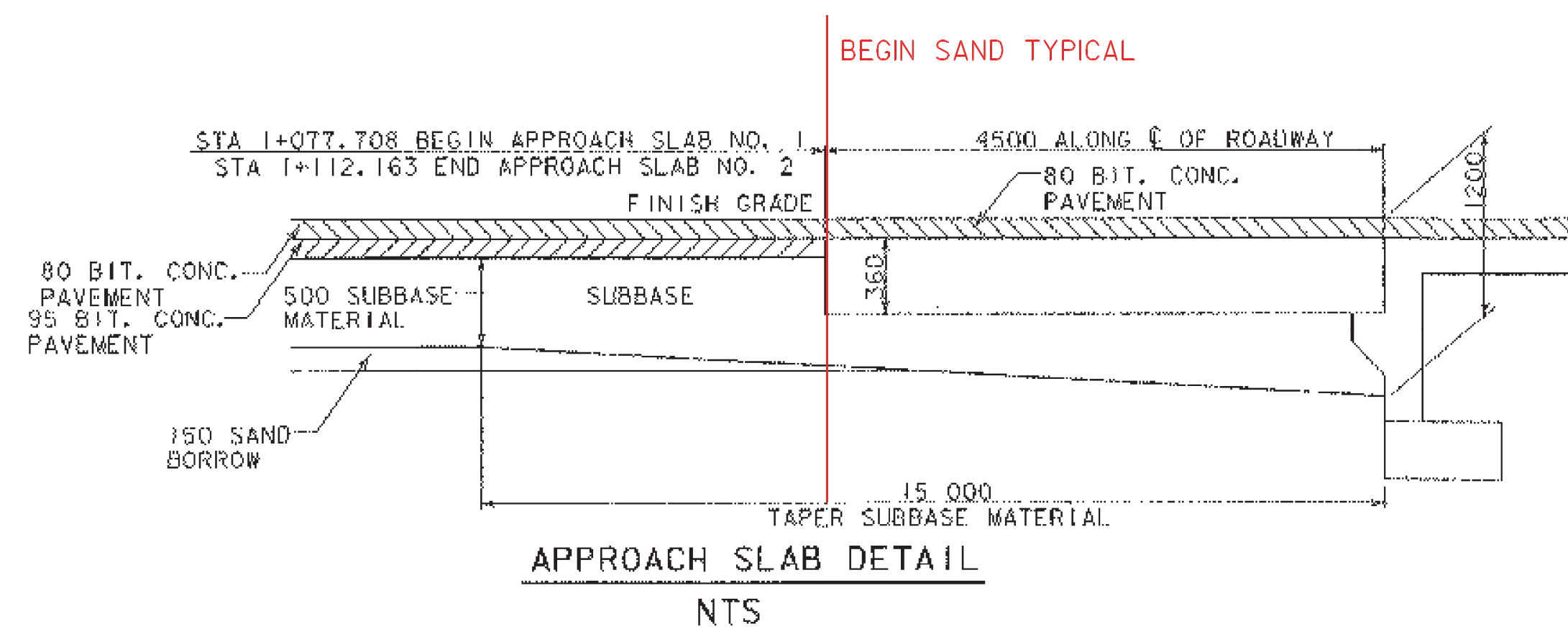
SHEET NAME: BANKING DIAGRAM	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bd.1
BRIDGE SHEET NUMBER:	SHEET 35 OF 53

*NO COLD PLANING DONE ON EAST APPROACH



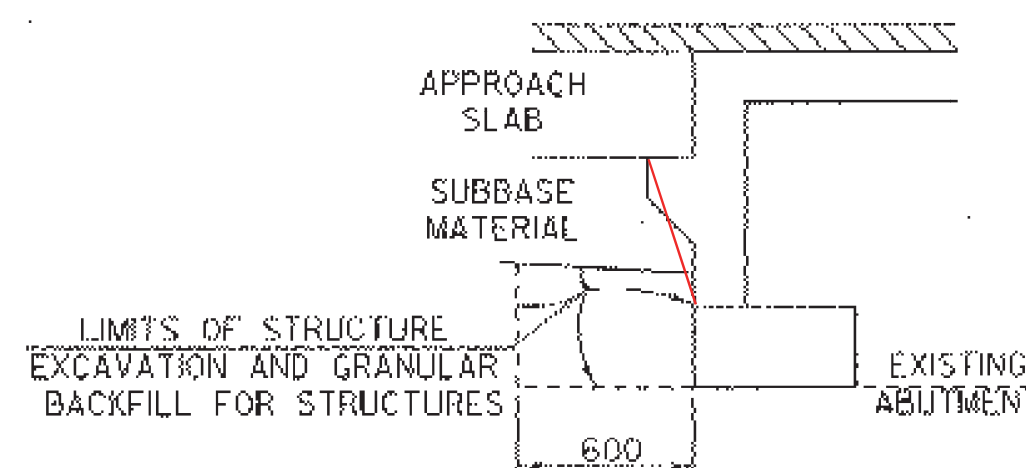
SUBBASE TRANSITION BETWEEN
STA 0+940 - STA 0+970 AND
STA 1+135 - STA 1+165

NTS



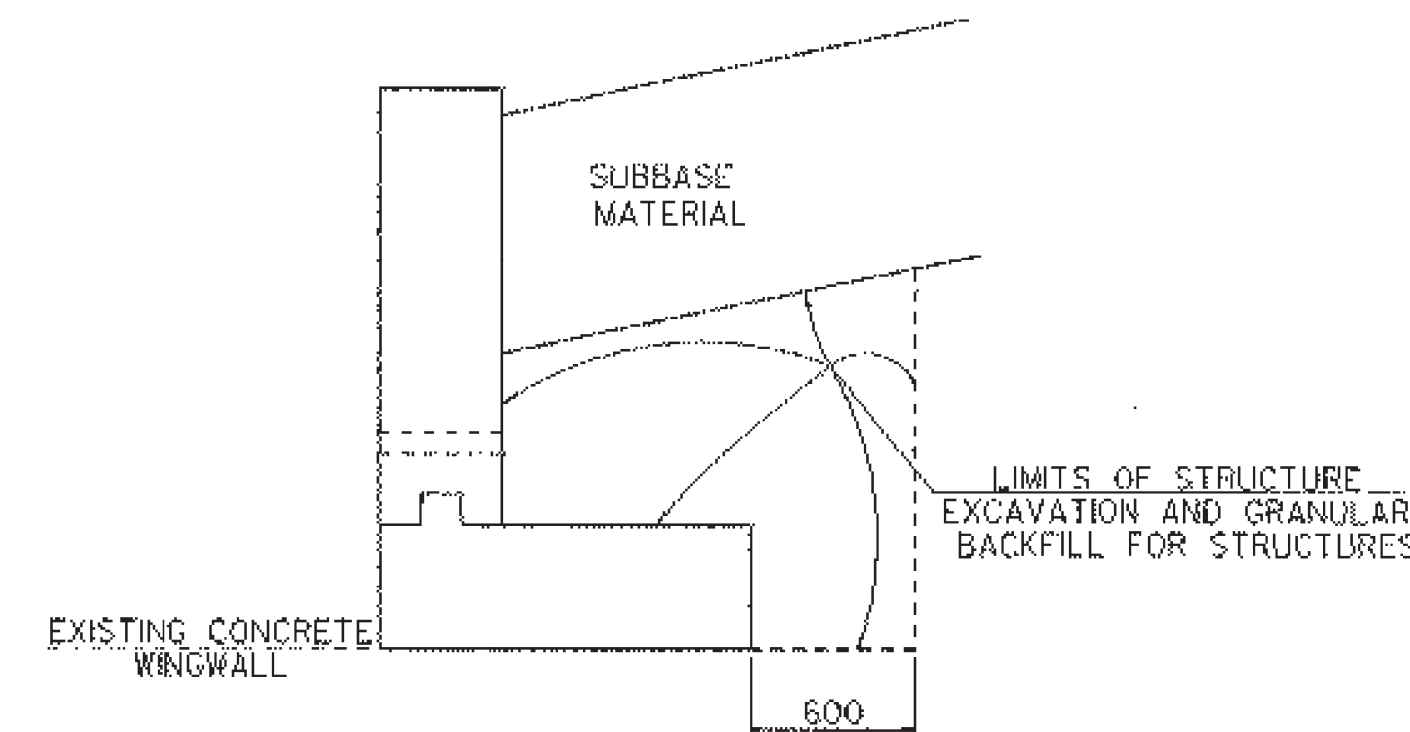
APPROACH SLAB DETAIL

NTS



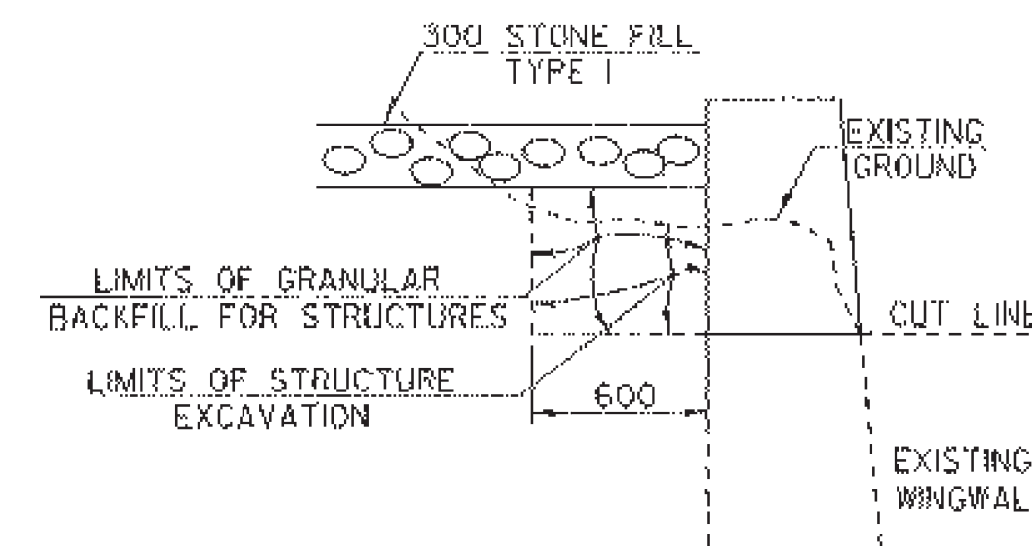
ABUTMENT NO. 1

NTS



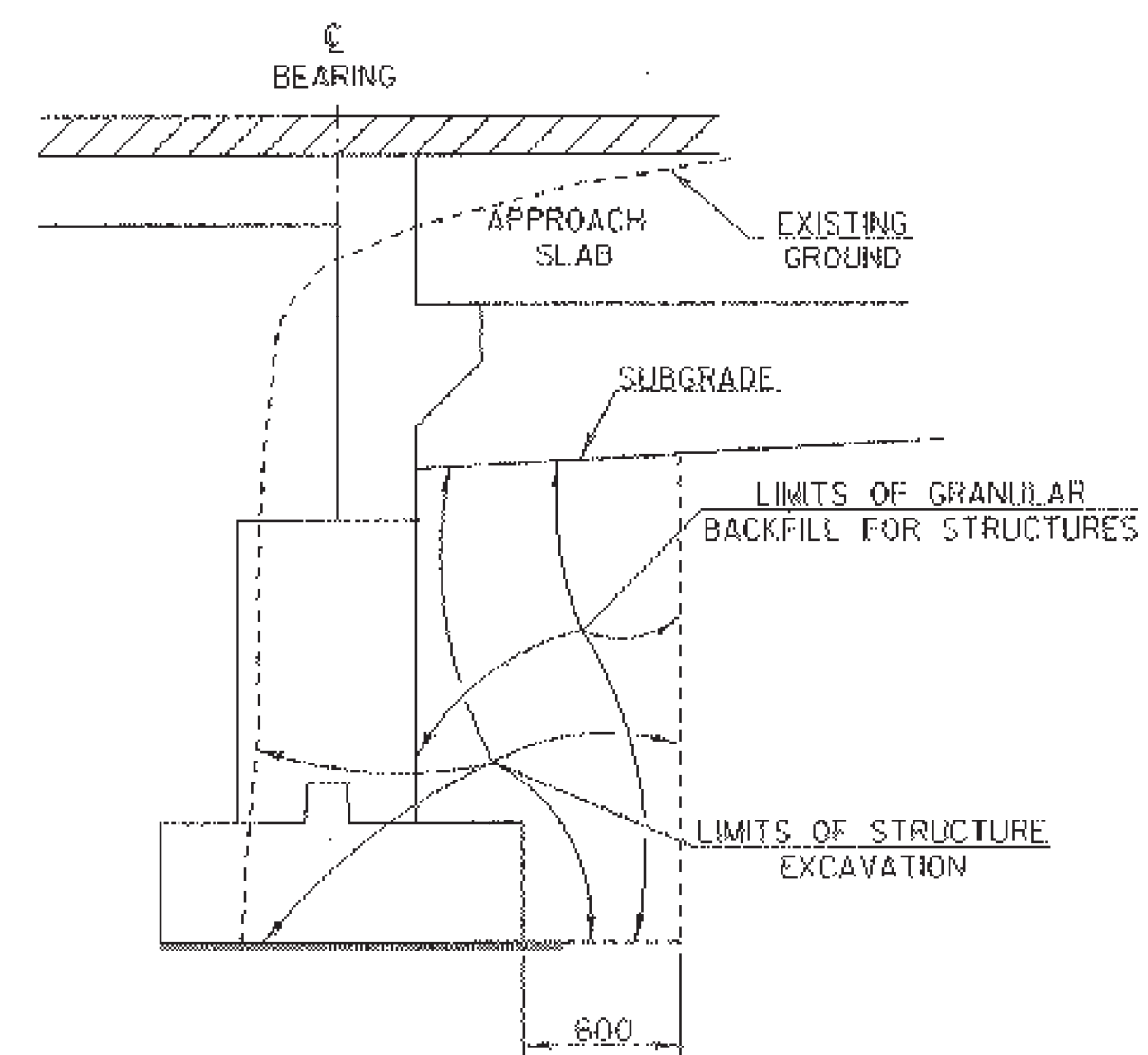
WINGWALL NO. 1

NTS



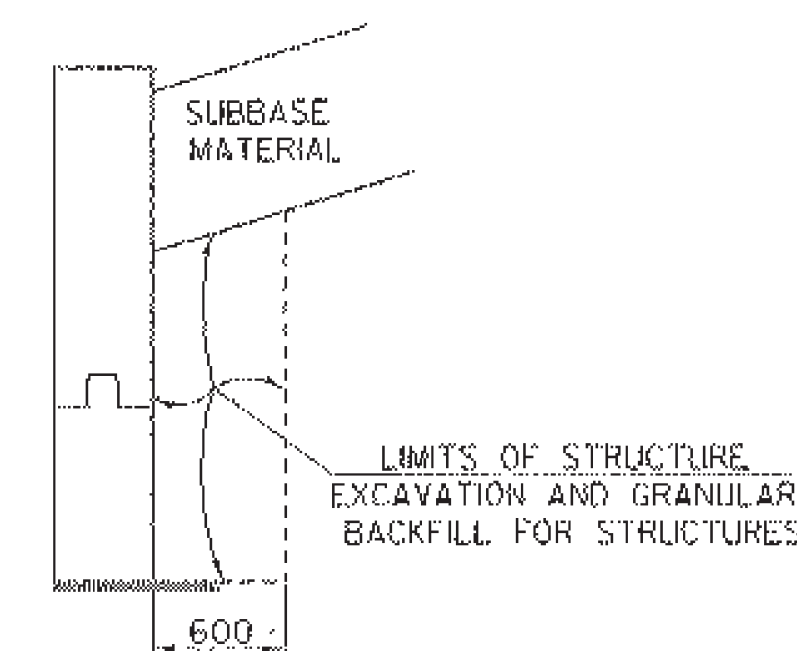
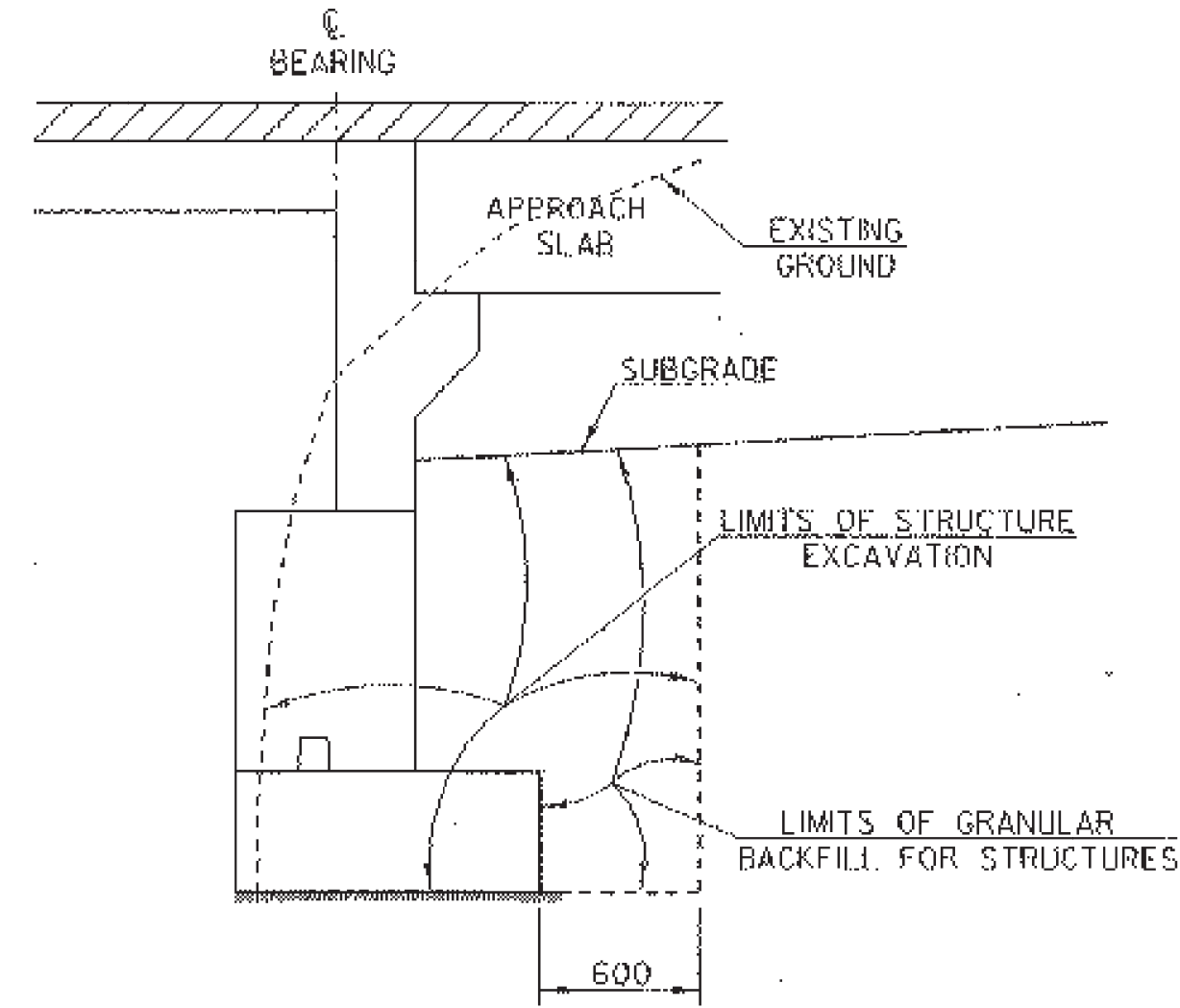
WINGWALL NO. 2

NTS



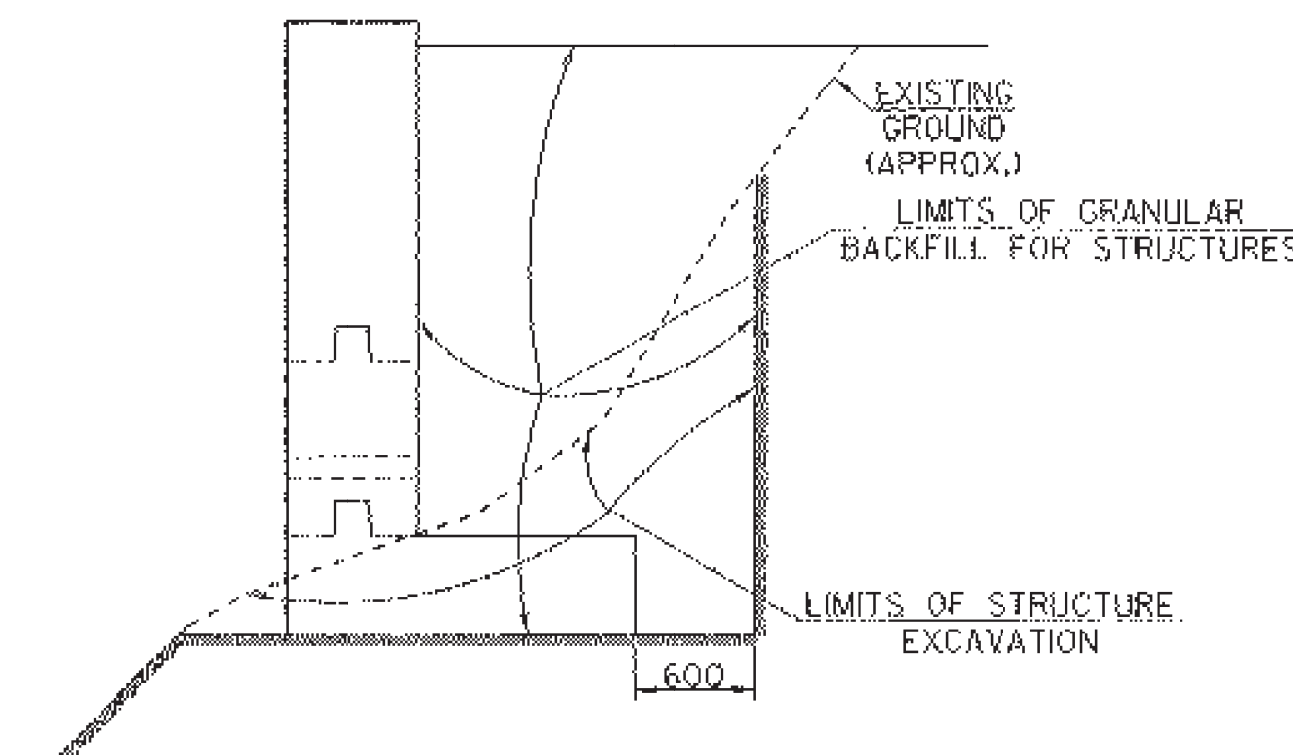
ABUTMENT NO. 2

NTS



WINGWALL NO. 3

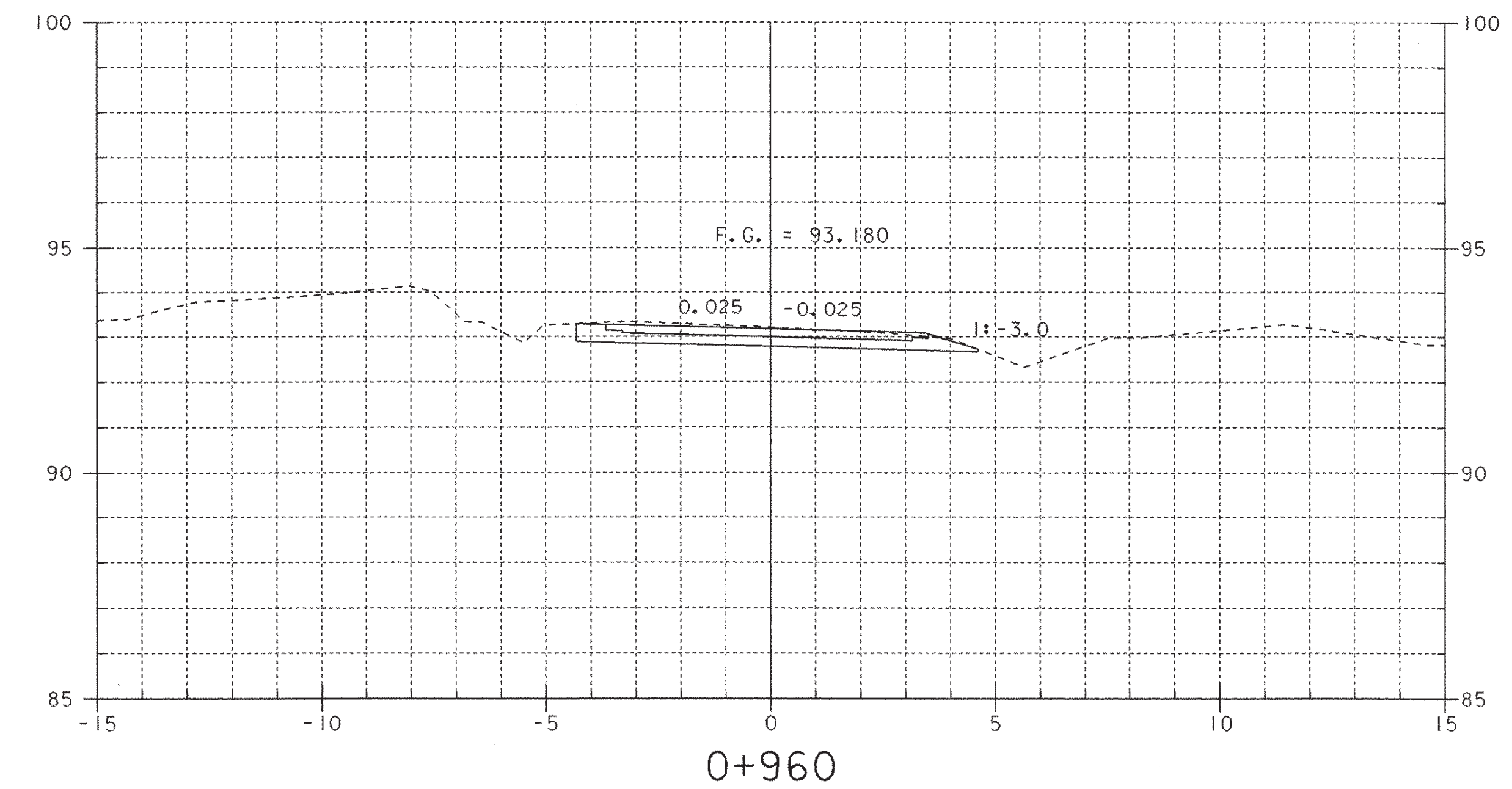
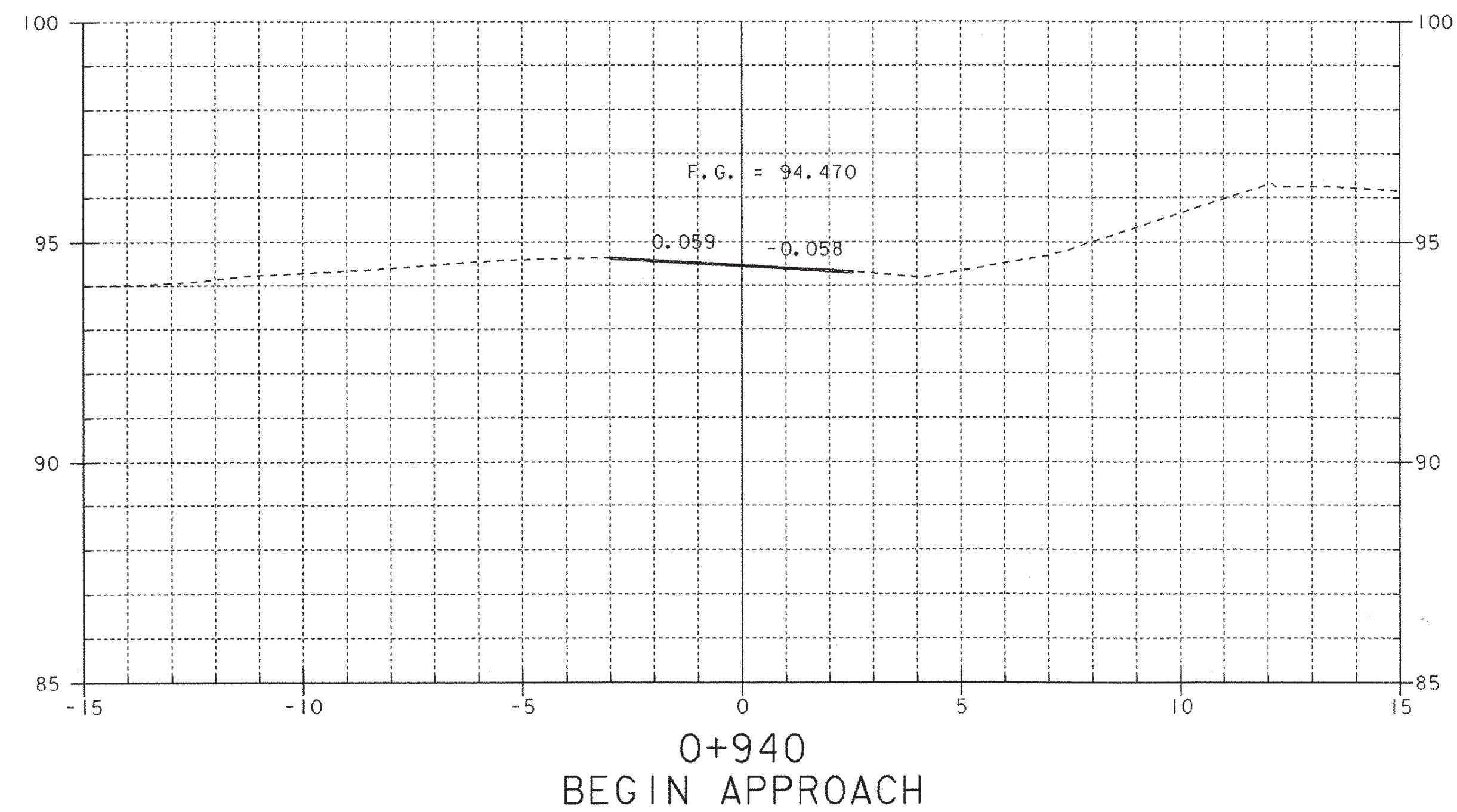
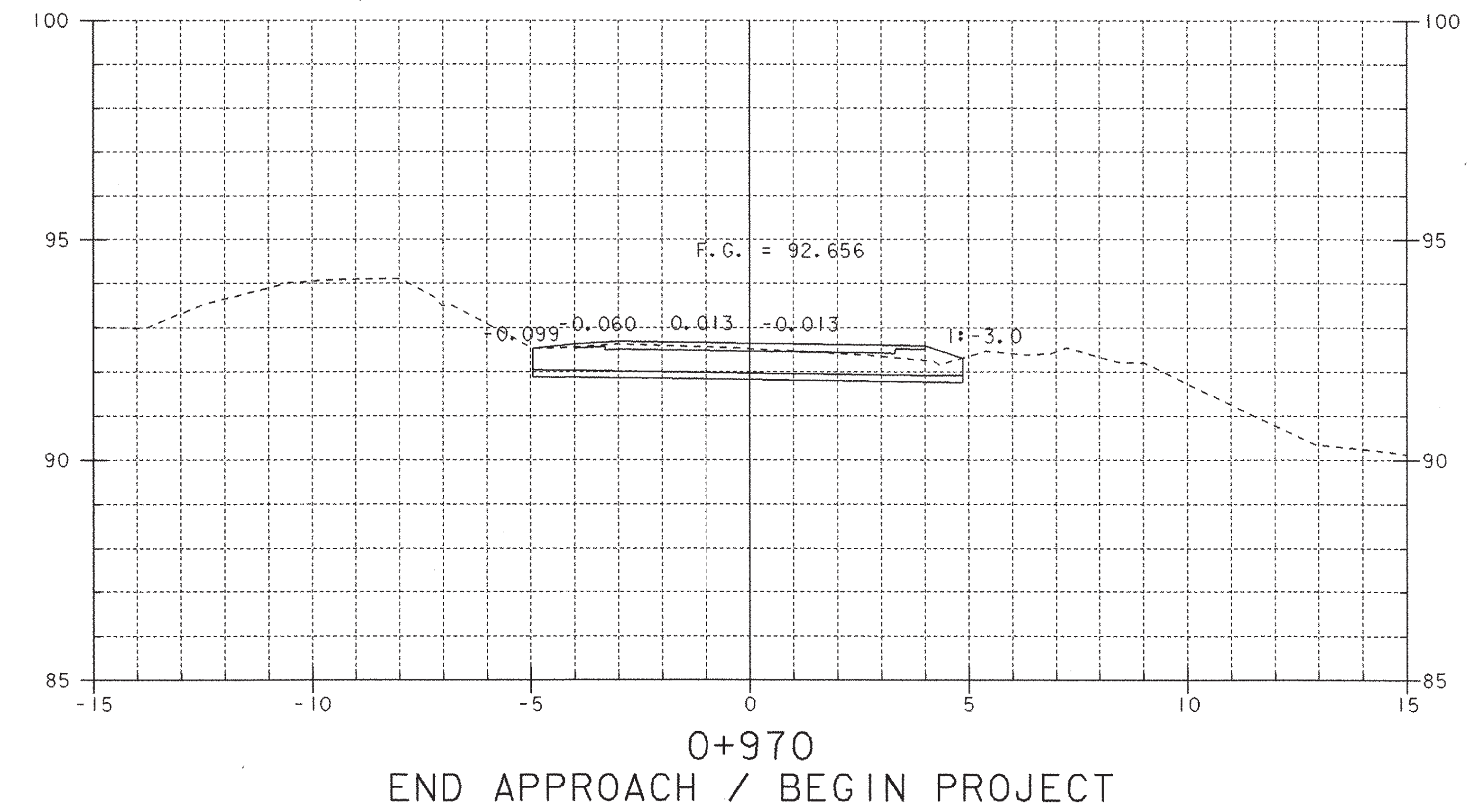
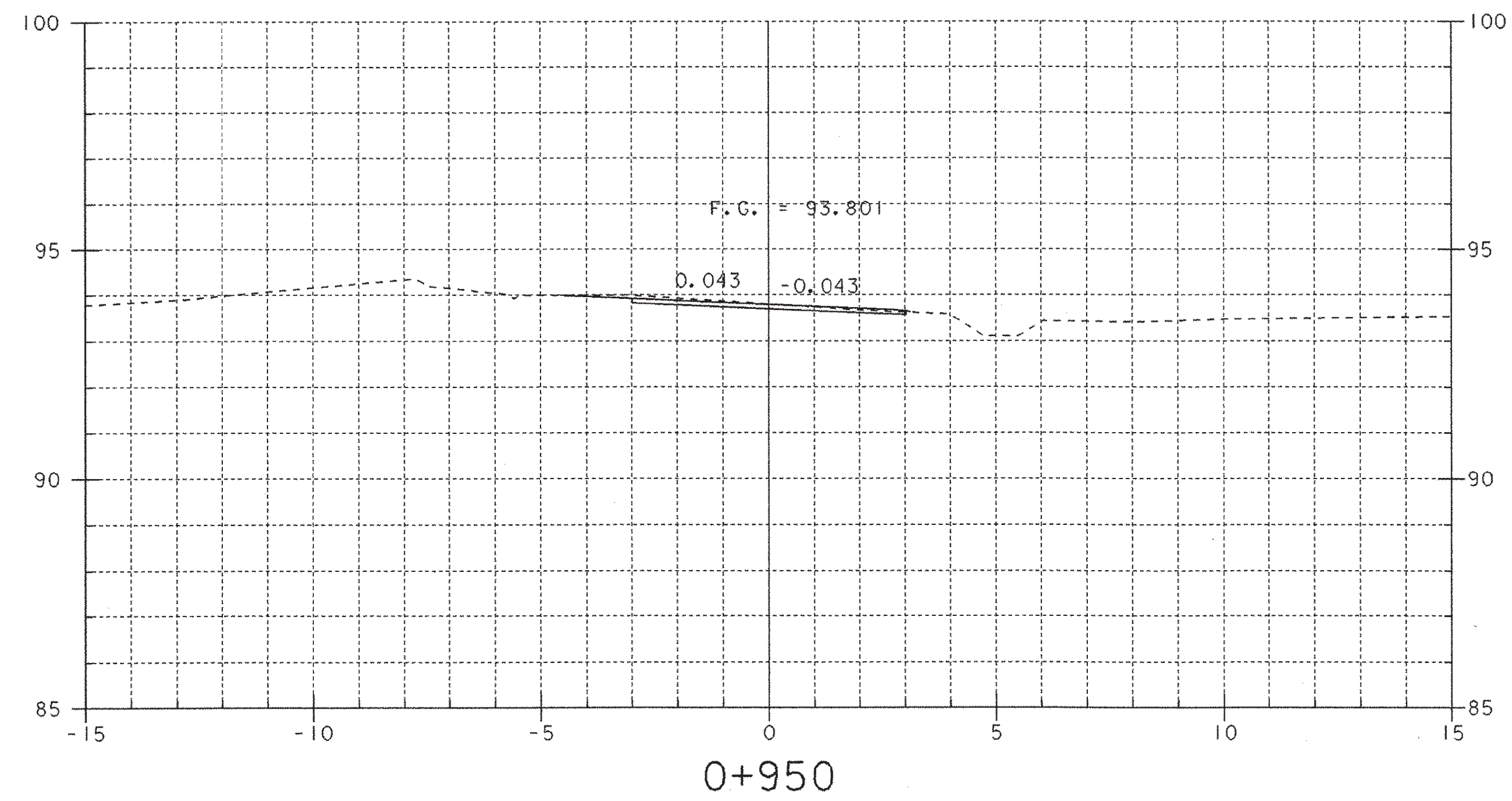
NTS



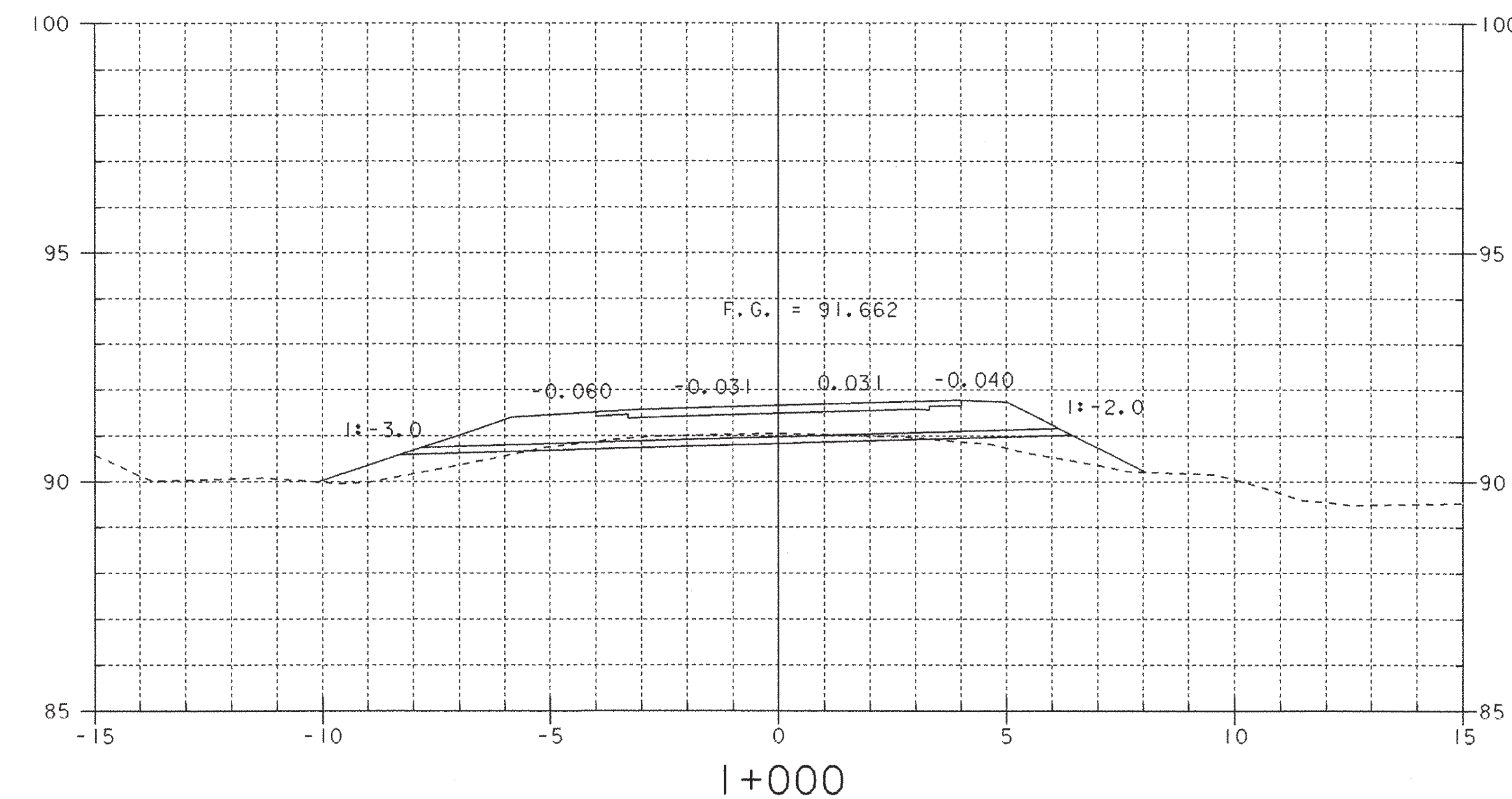
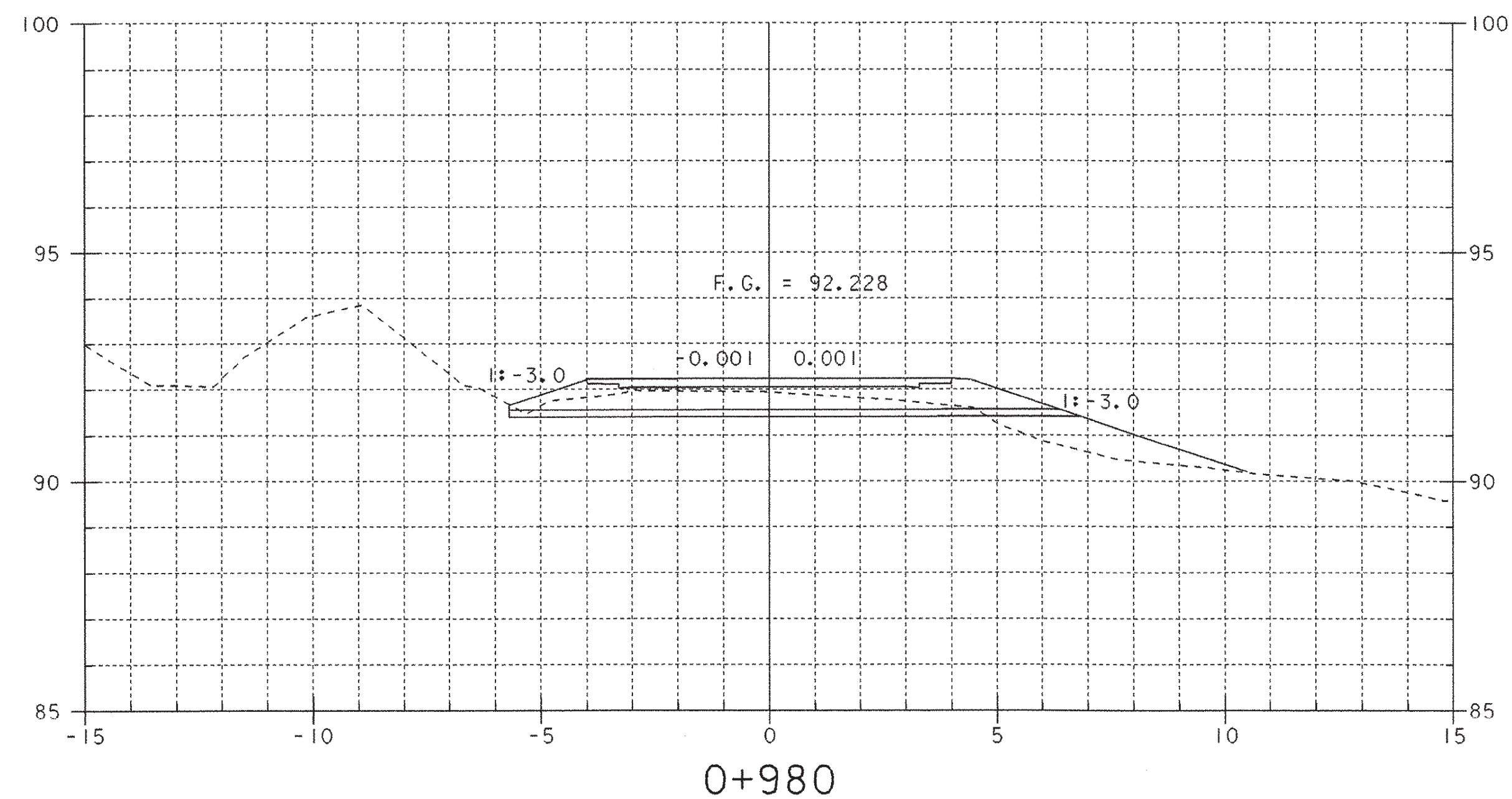
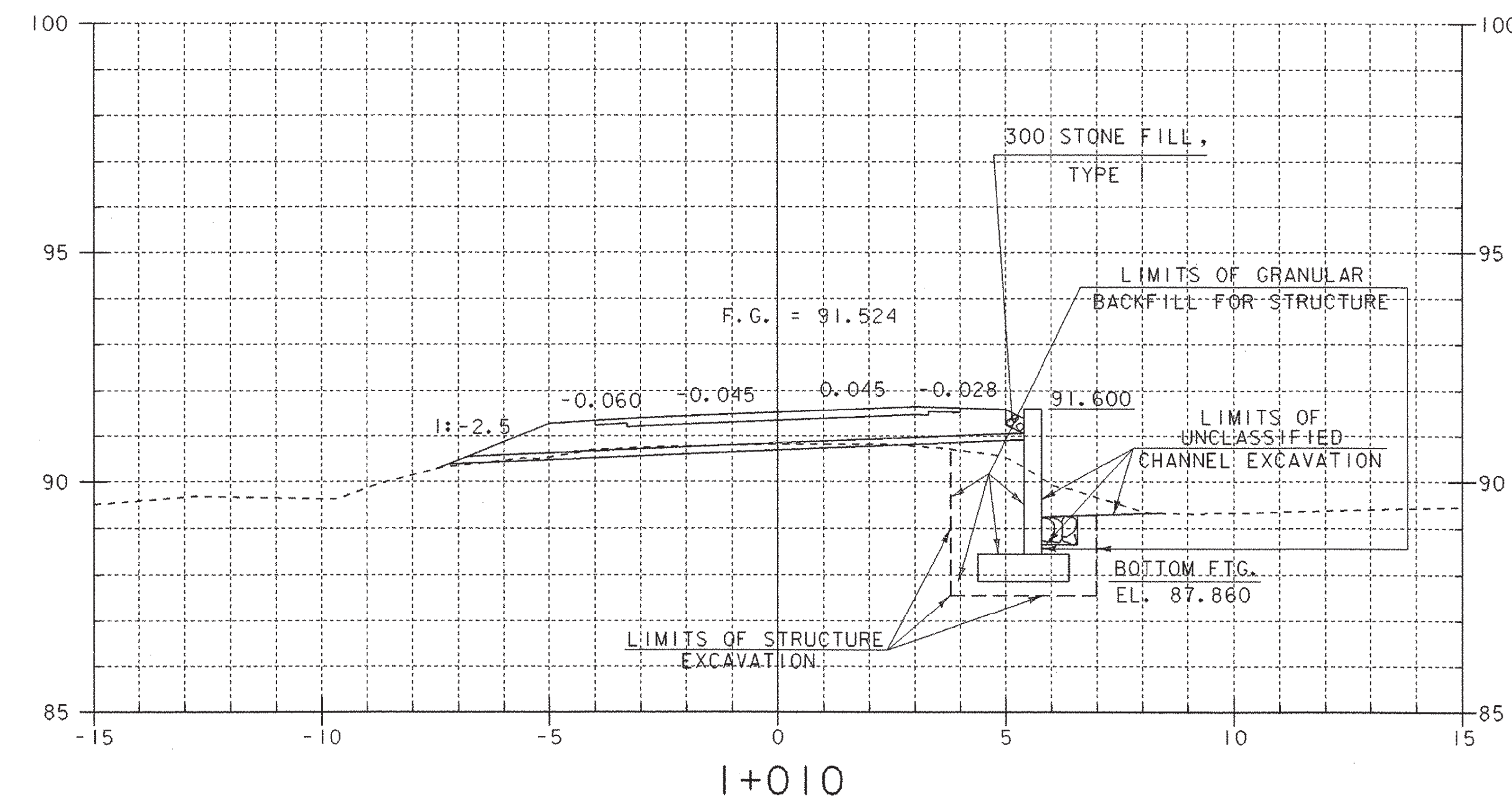
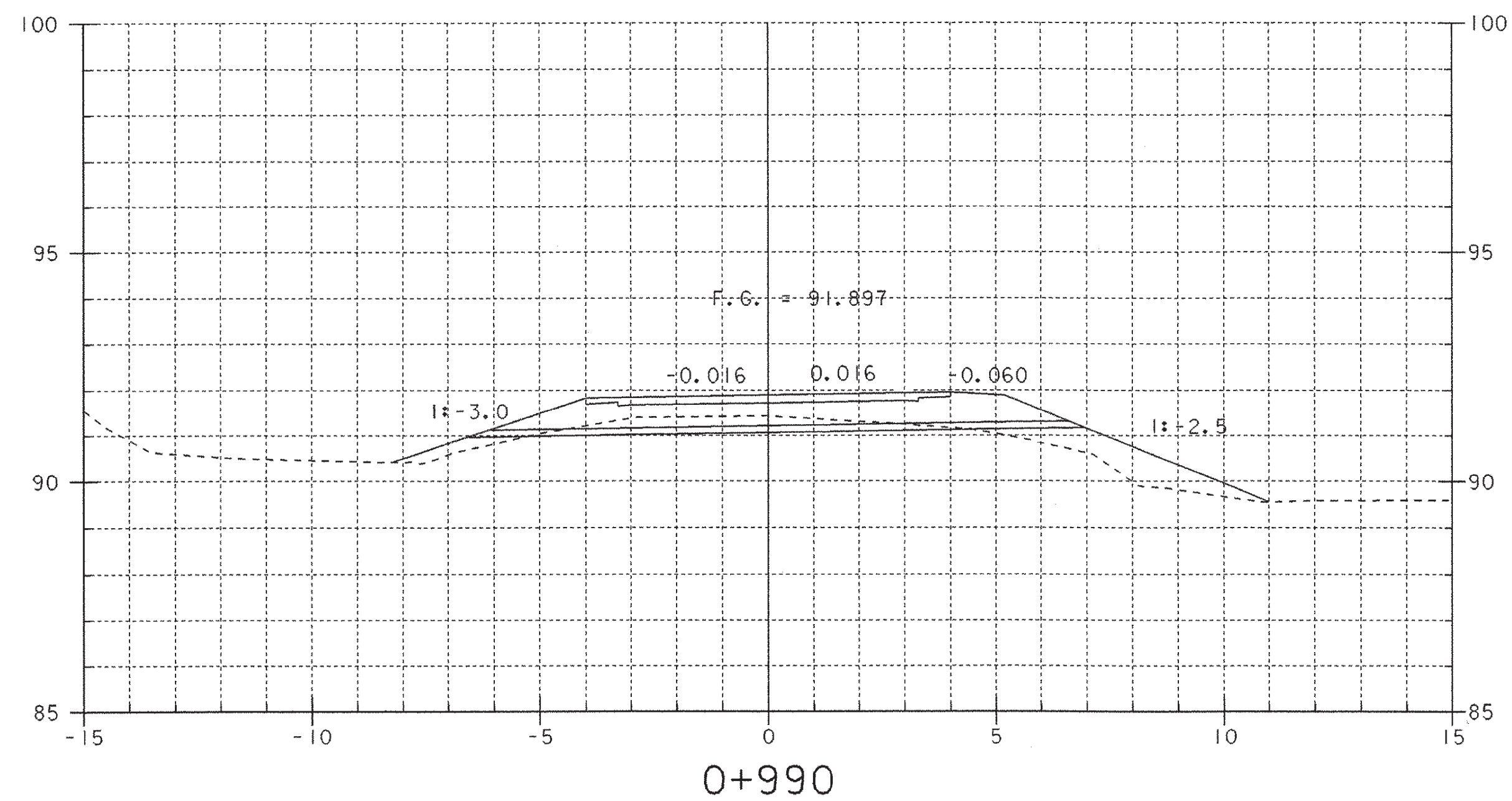
WINGWALL NO. 4

NTS

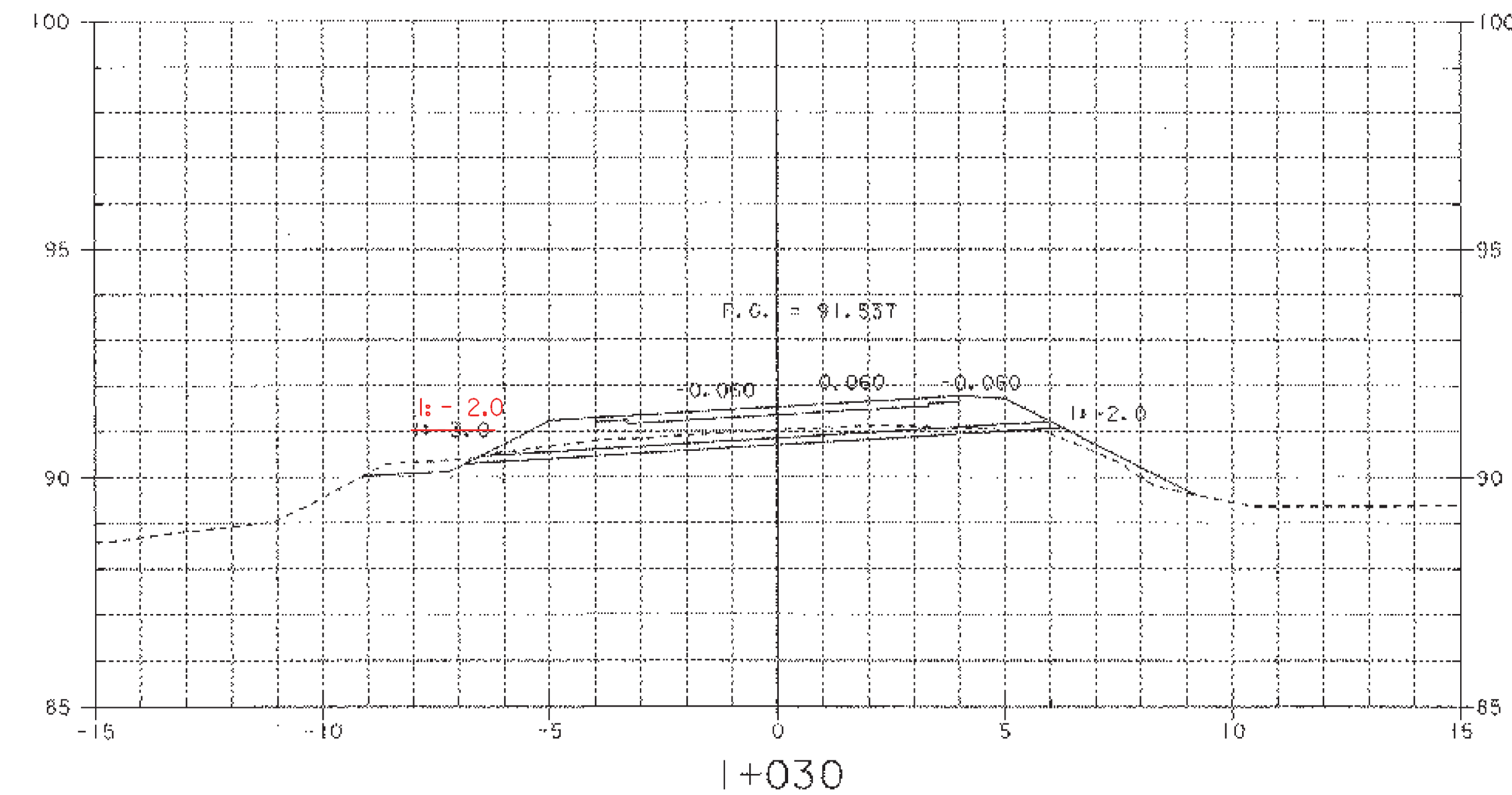
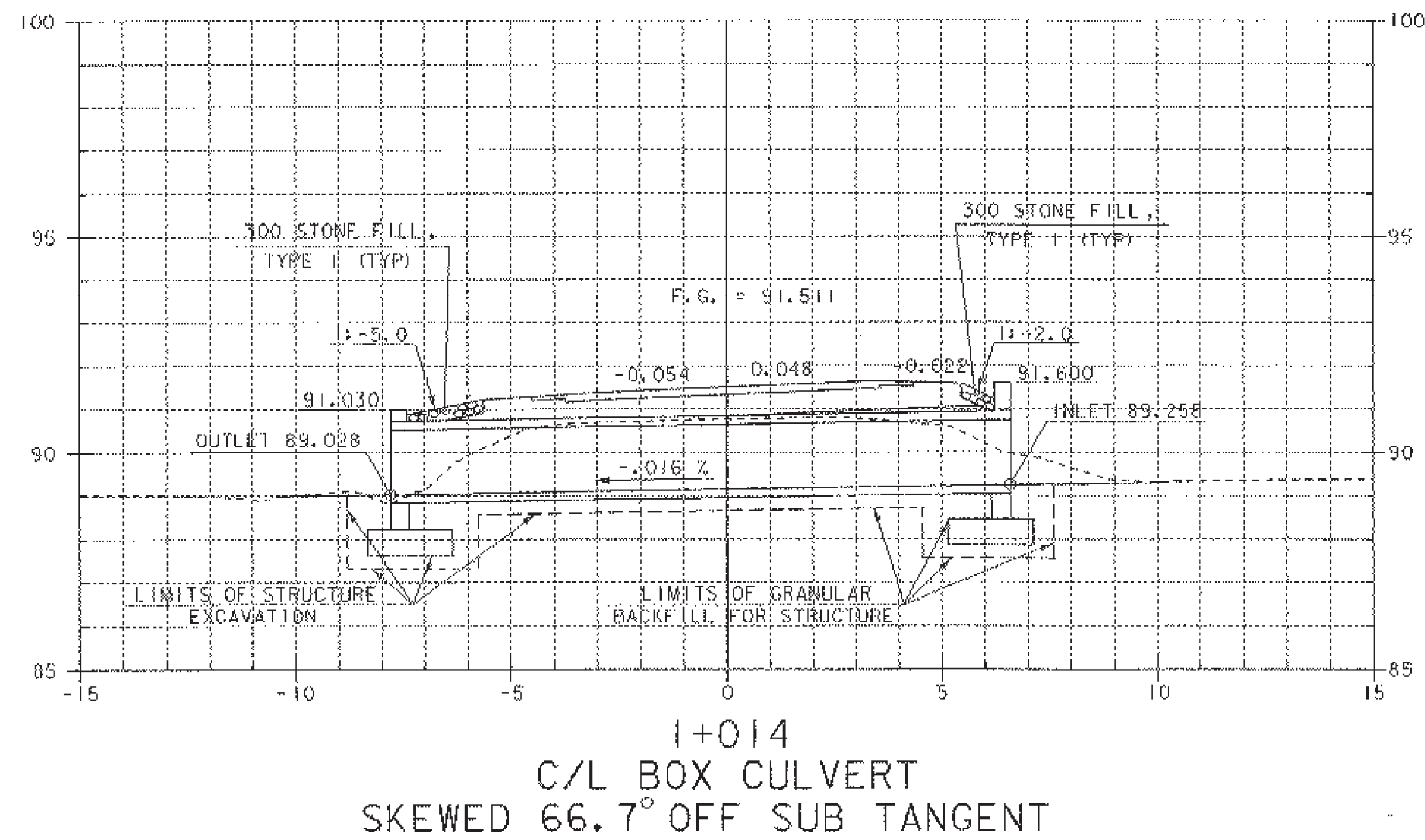
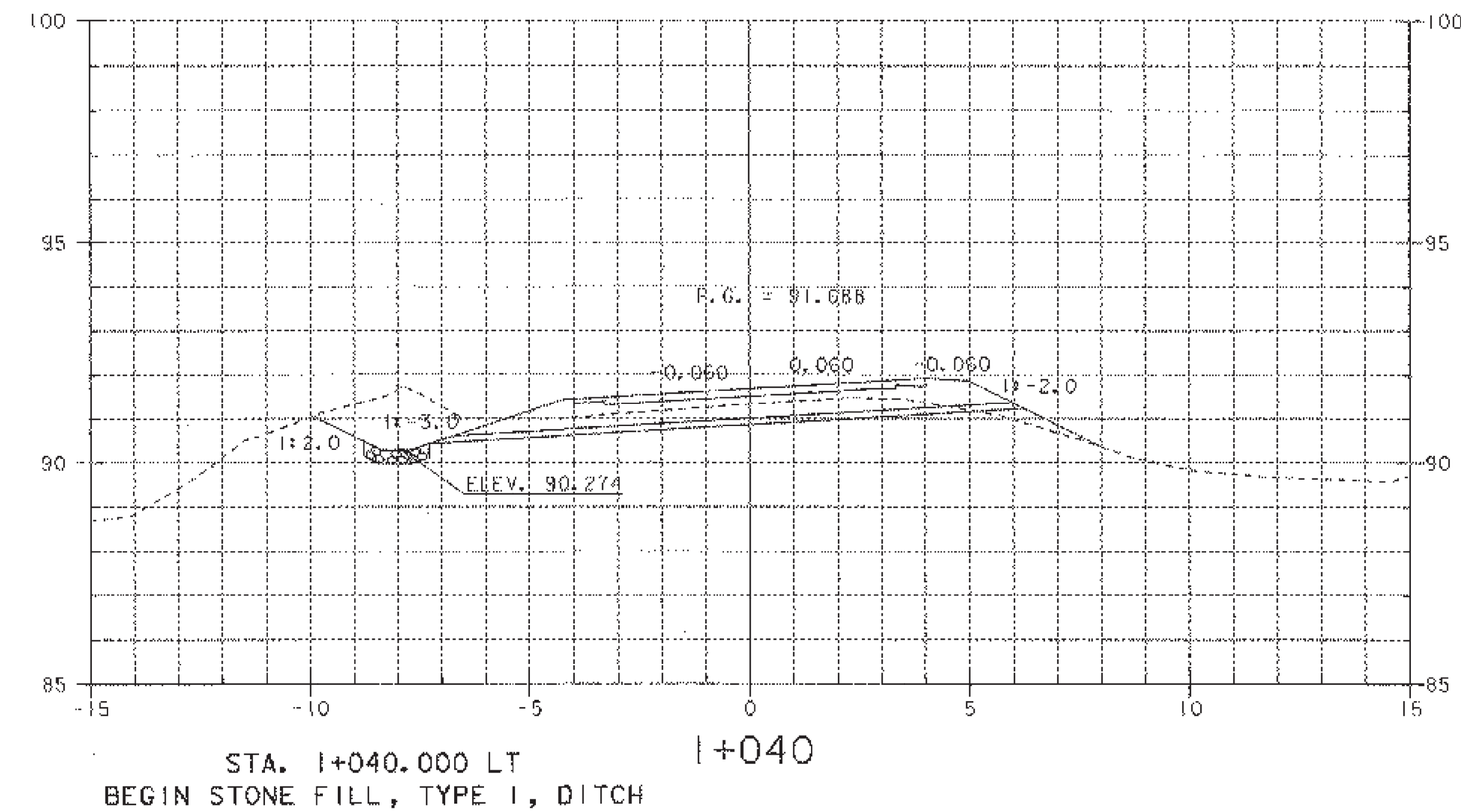
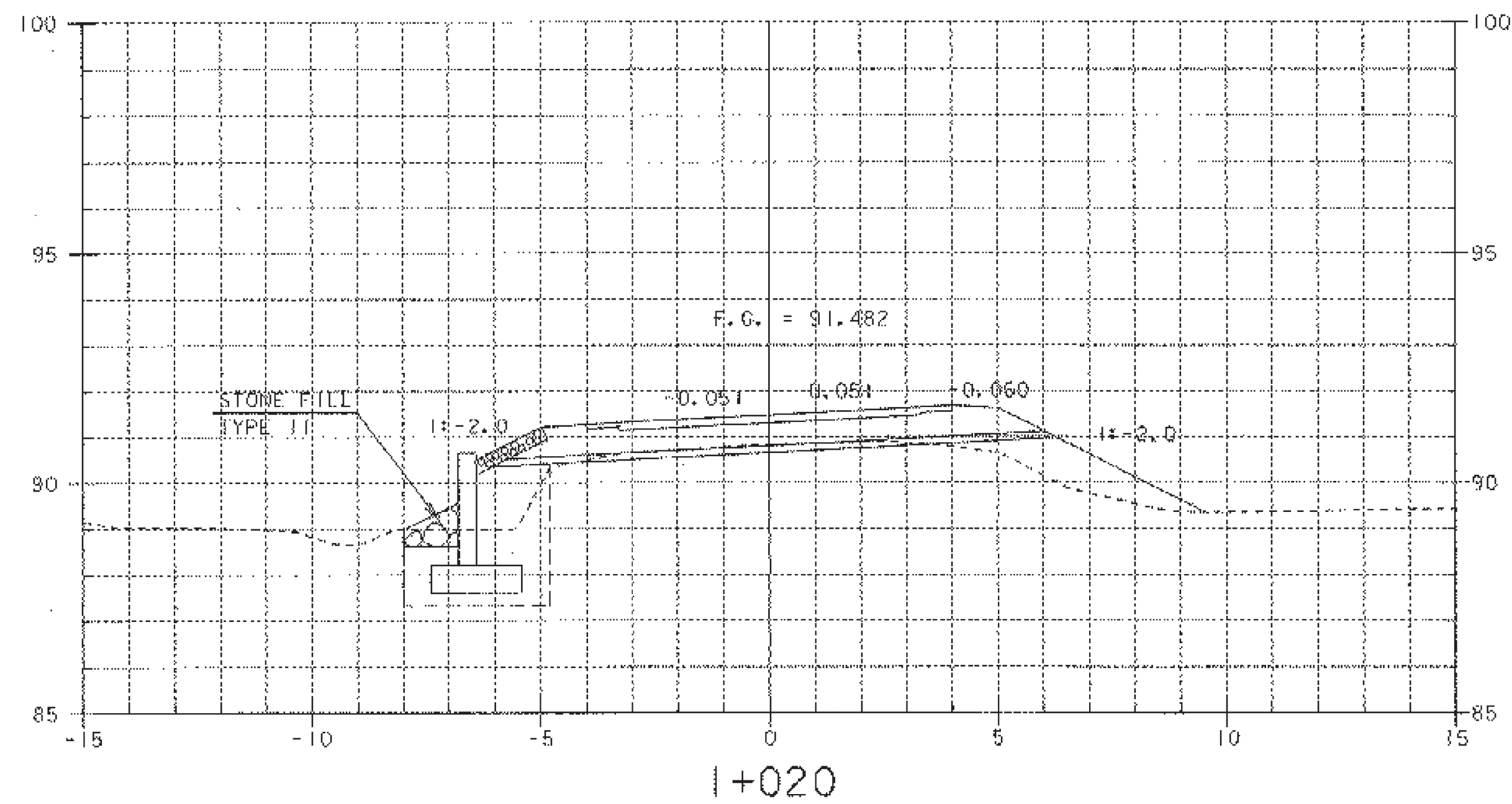
SHEET NAME: SUBBASE TRANSITION AND EXCAVATION DETAILS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: 1H 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
FILE NAME: /s1r1/93j02l/sj02lx6.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj02lmx8.i
BRIDGE SHEET NUMBER:	SHEET 36 OF 53



SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s/tr1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021mx.l1
BRIDGE SHEET NUMBER:	SHEET 37 OF 53

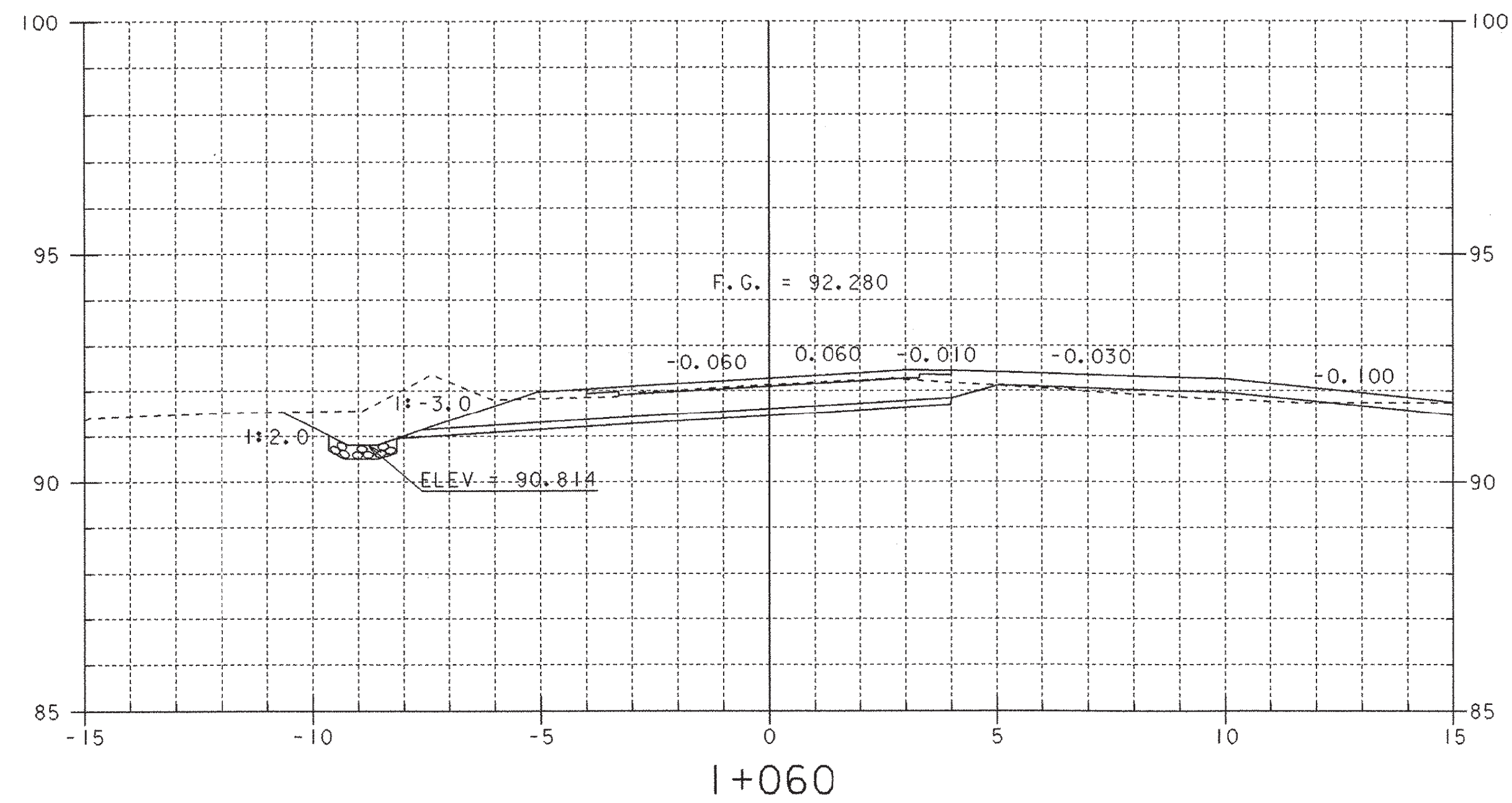


SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021mx2.i
BRIDGE SHEET NUMBER:	SHEET 38 OF 53

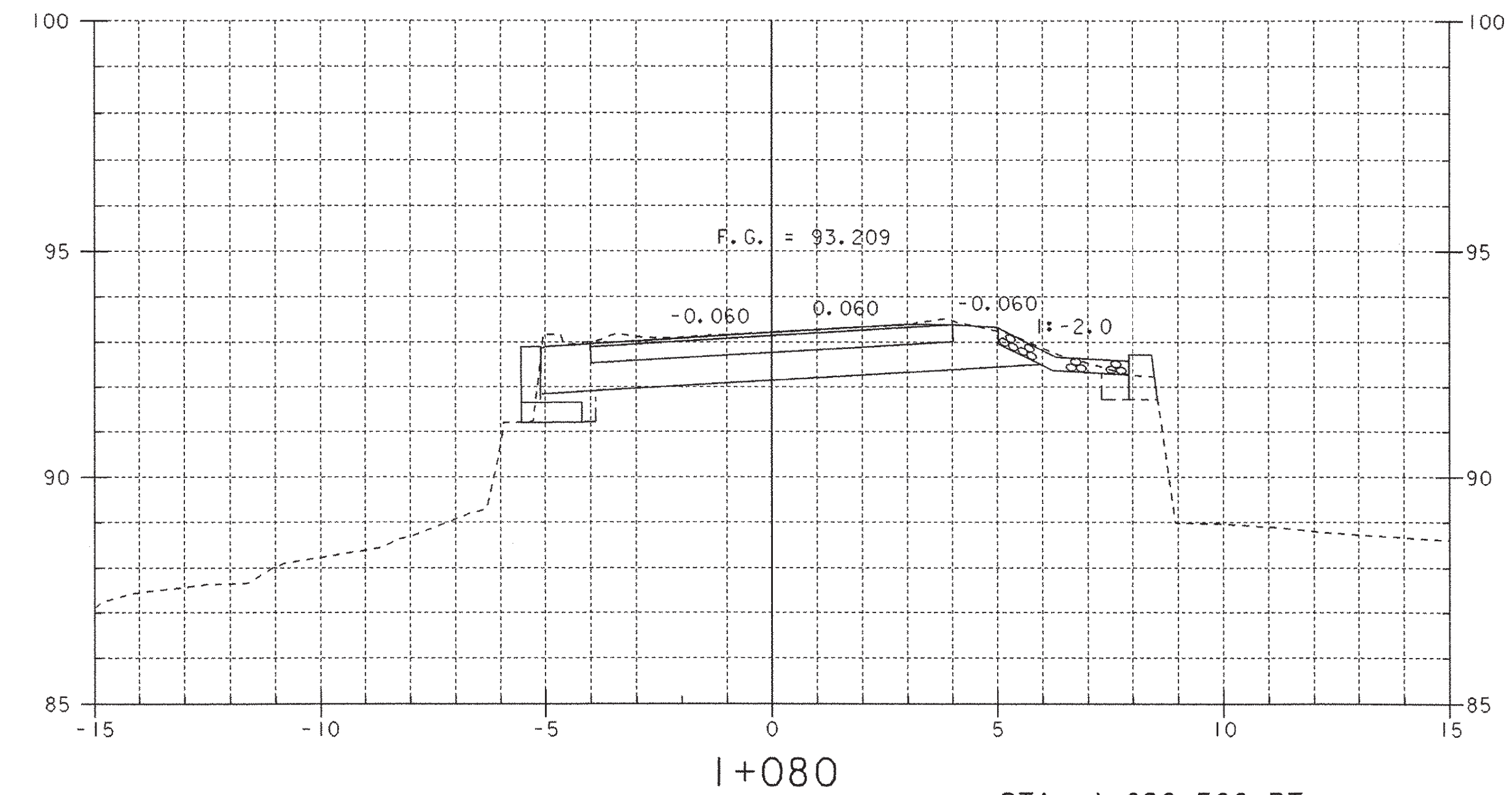


I+014
 C/L BOX CULVERT
 SKEWED 66.7° OFF SUB TANGENT

SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/93j02l/sj02lxs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STR
DESIGNED BY: C. MEUNIER	PARM NAME: sj02lms3.1
BRIDGE SHEET NUMBER:	SHEET 39 OF 53

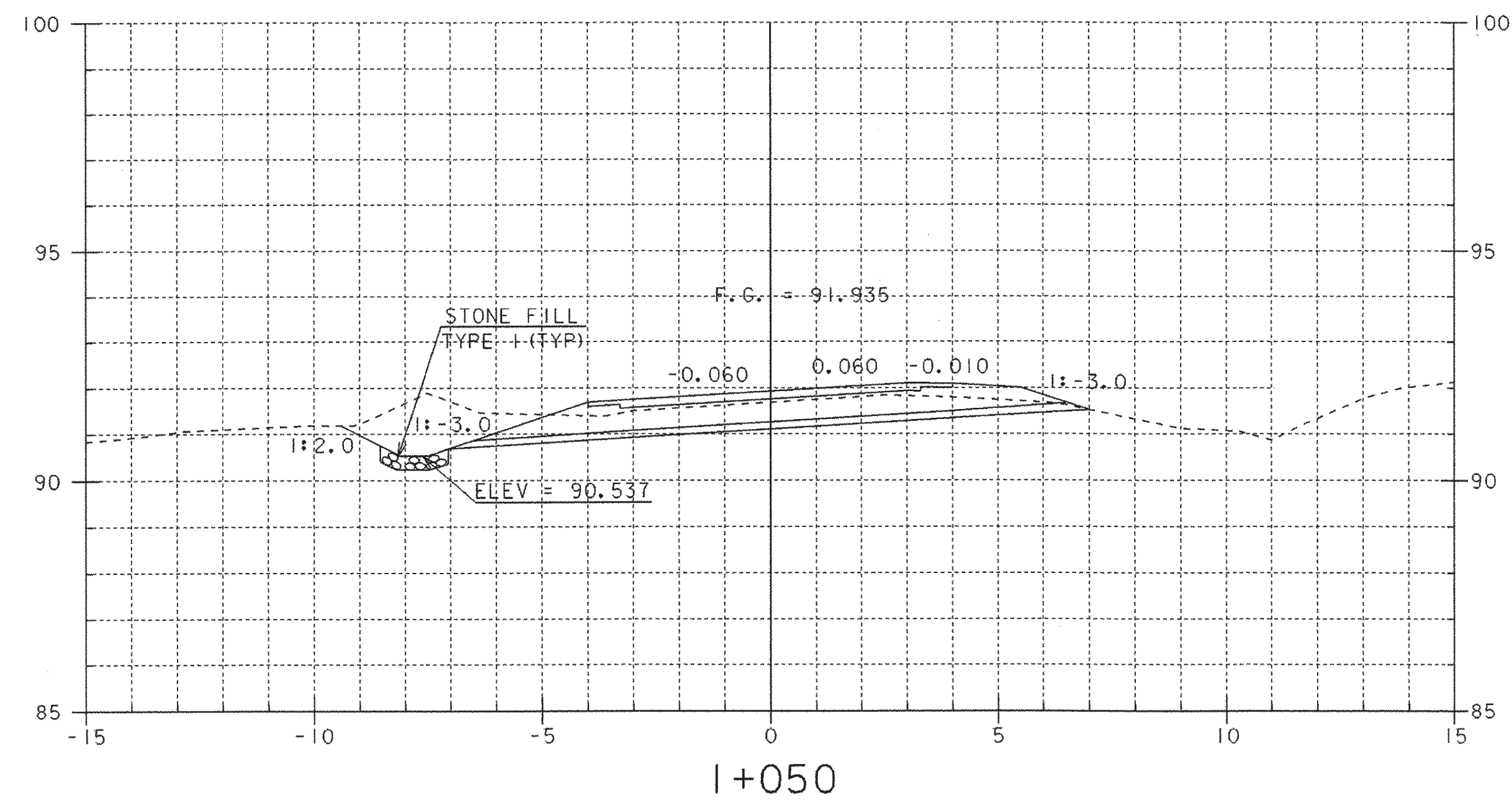


I+060

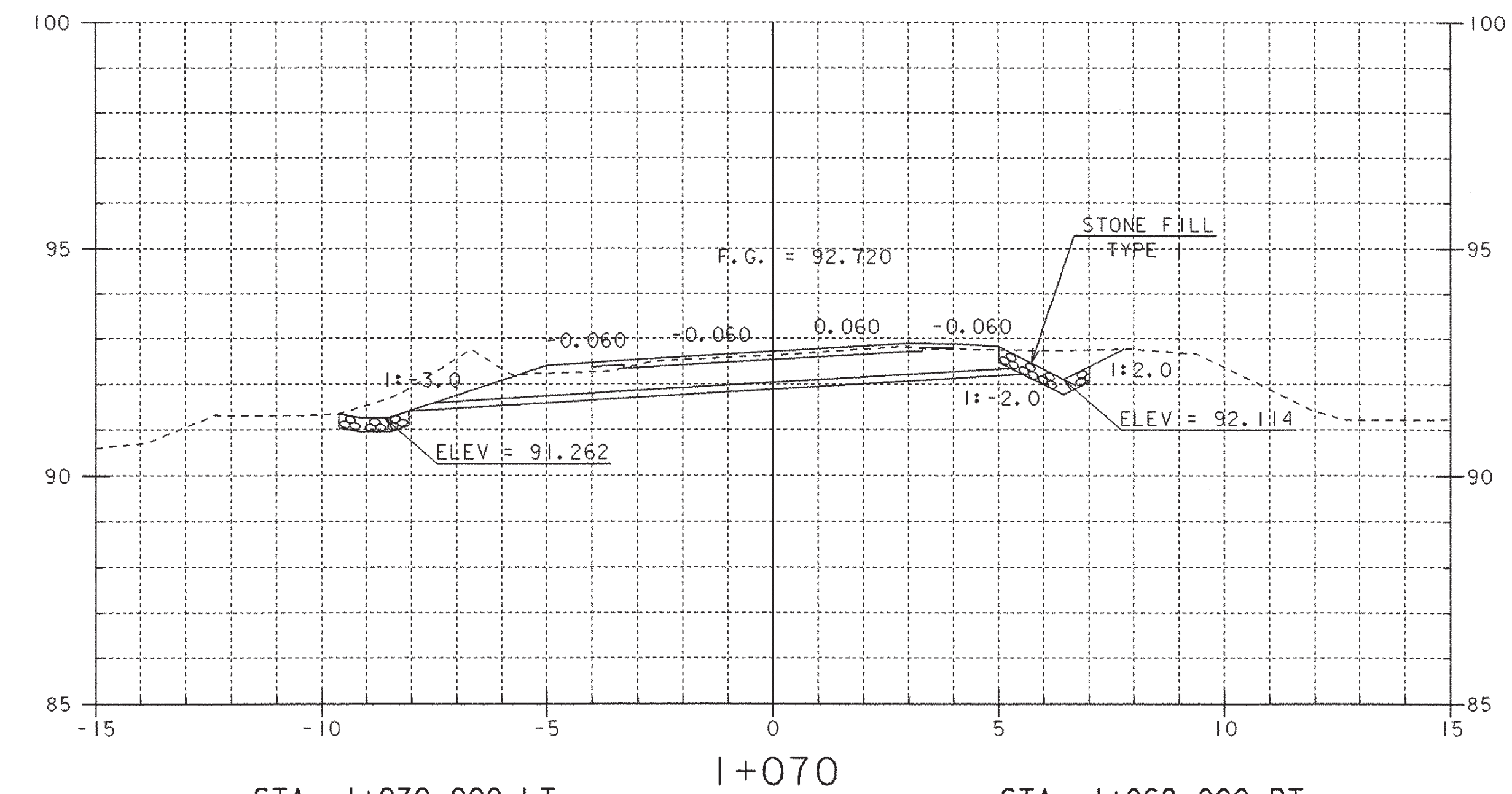


I+080

STA. I+080.500 RT
END DITCH
END STONE FILL, TYPE I



I+050

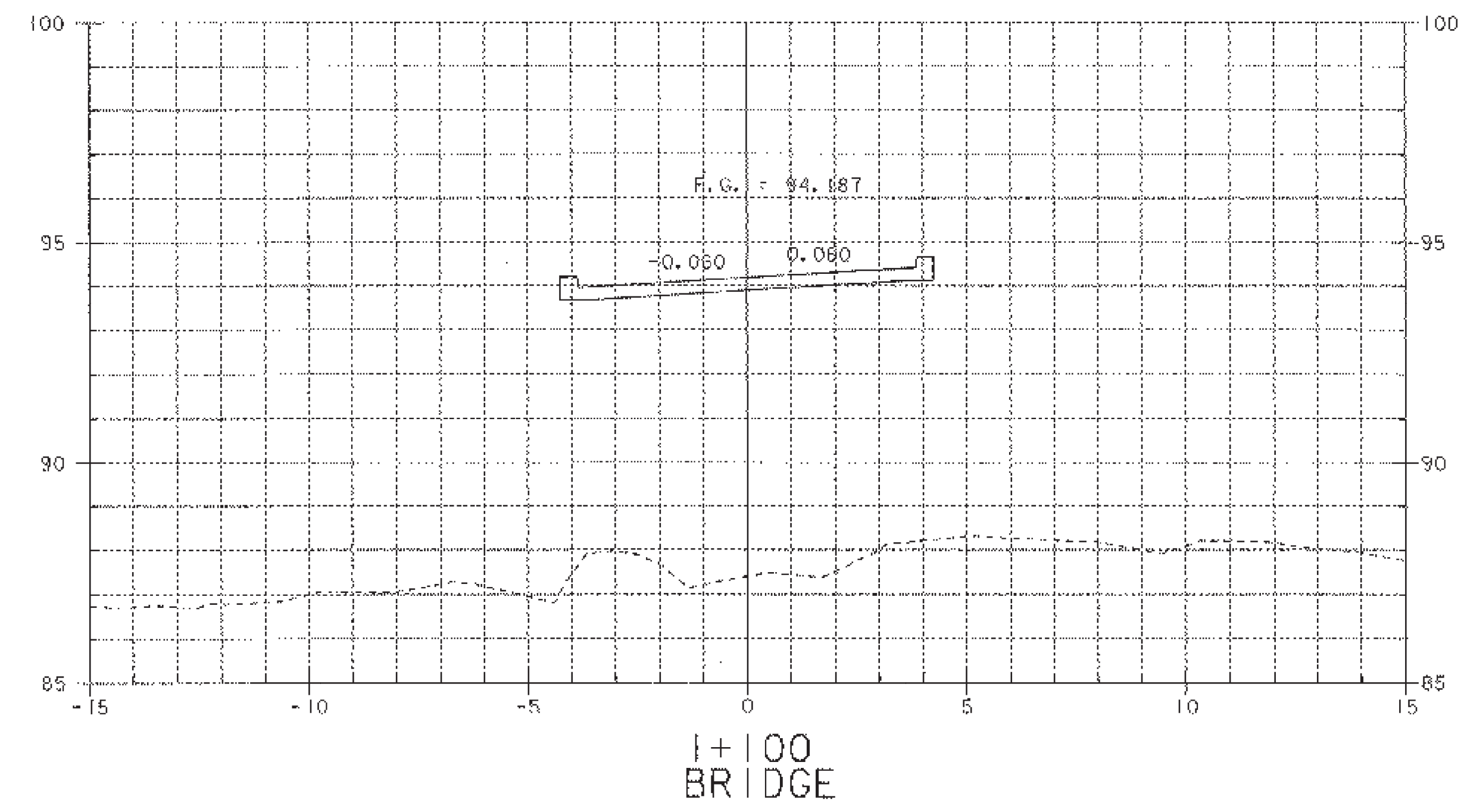
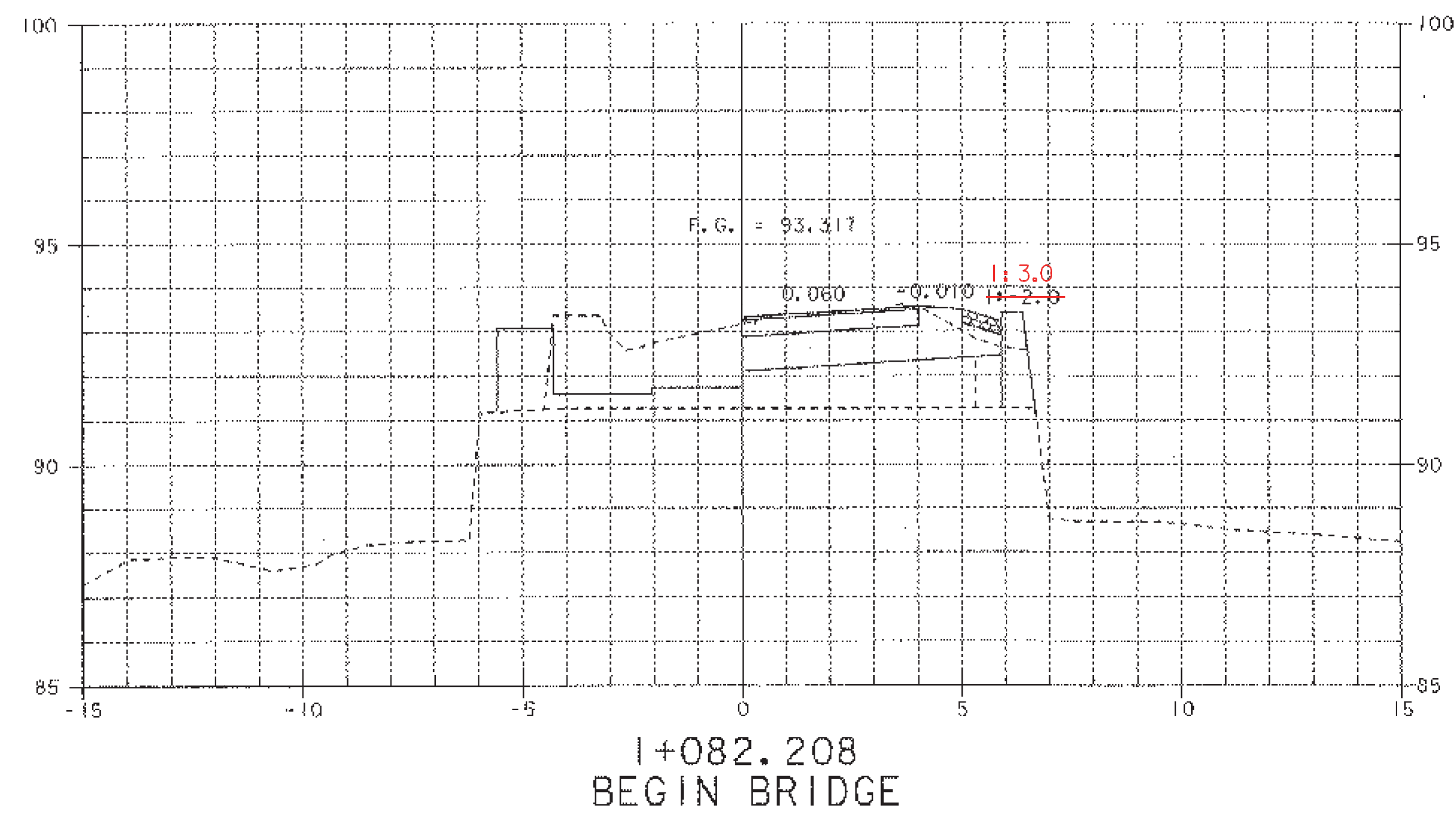
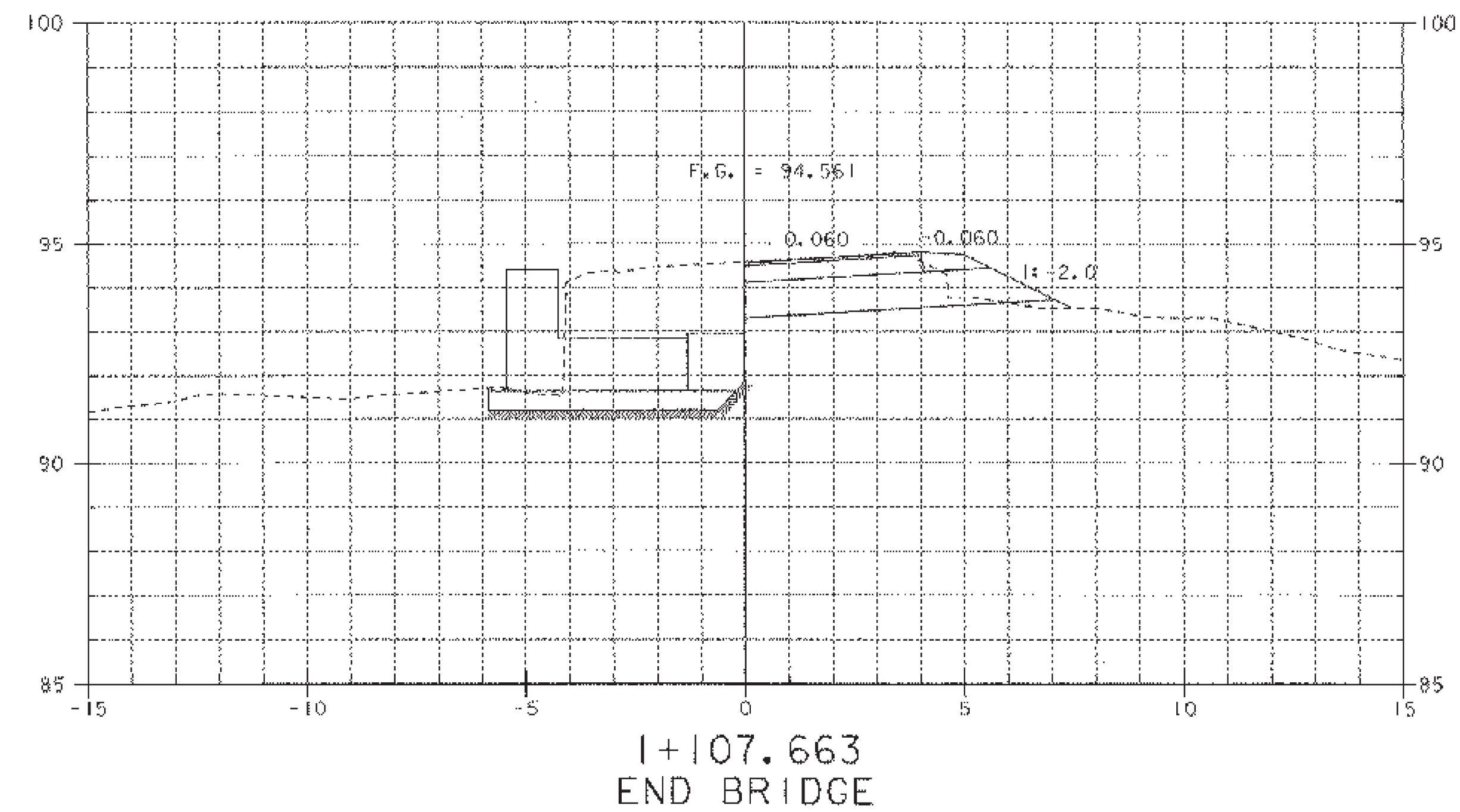
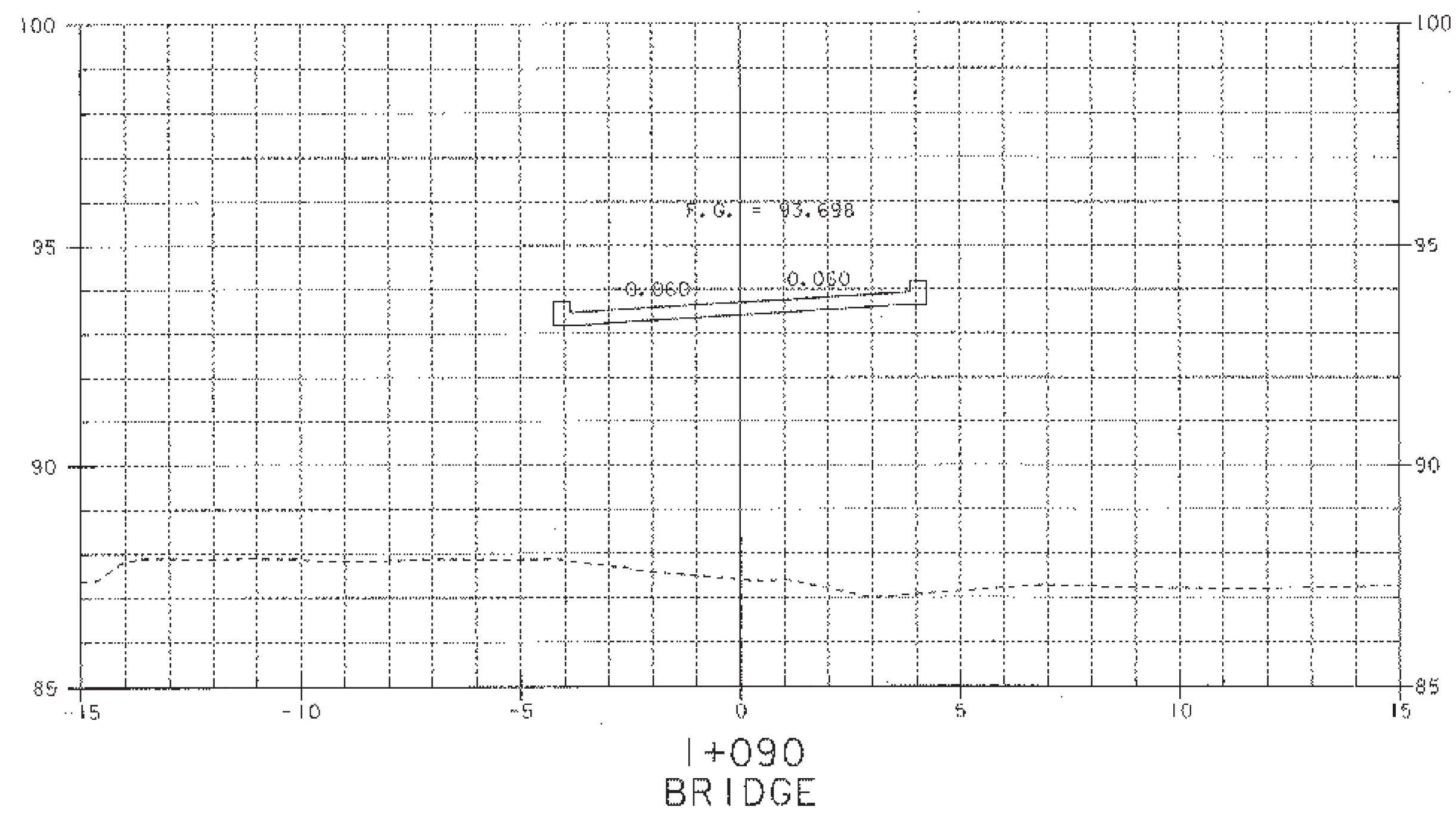


I+070

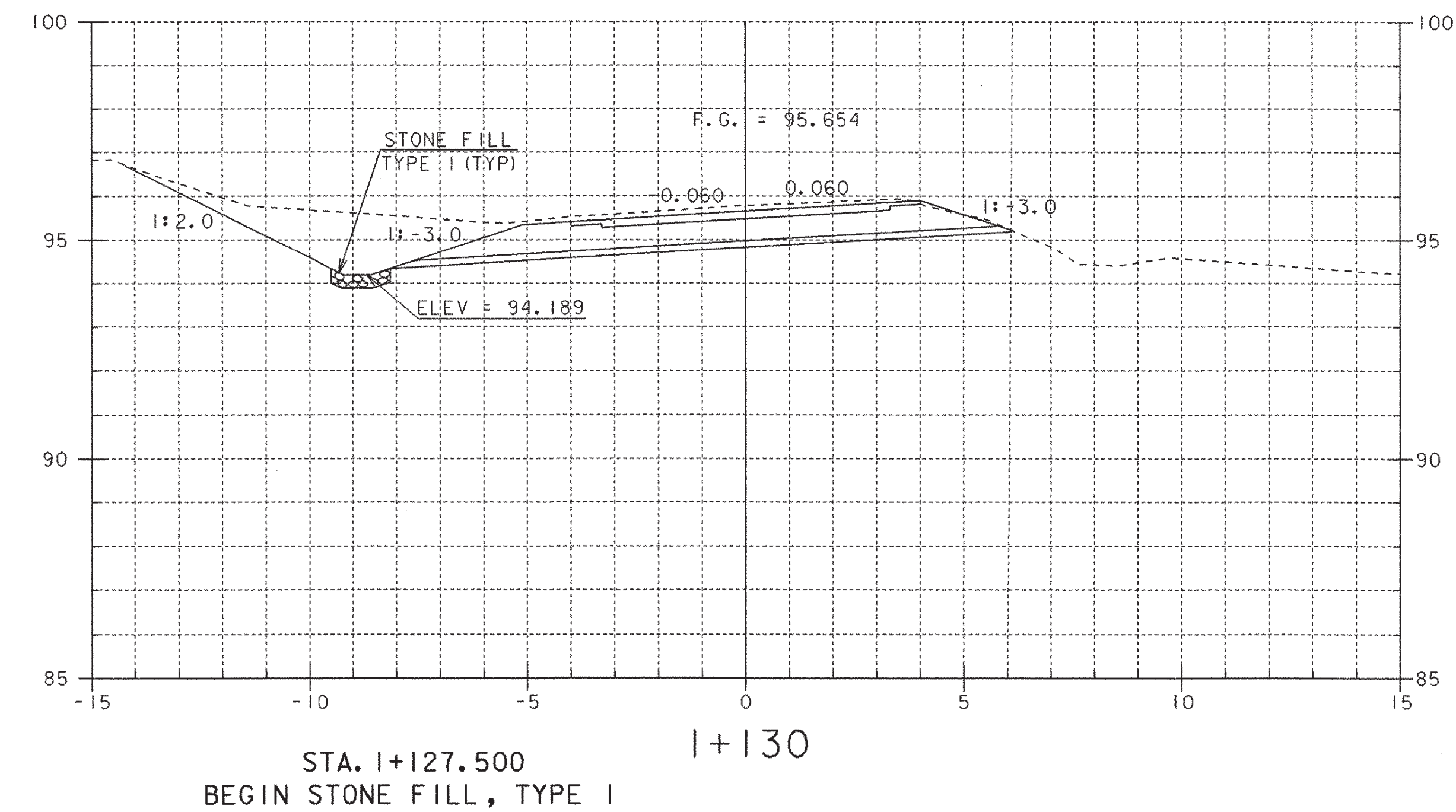
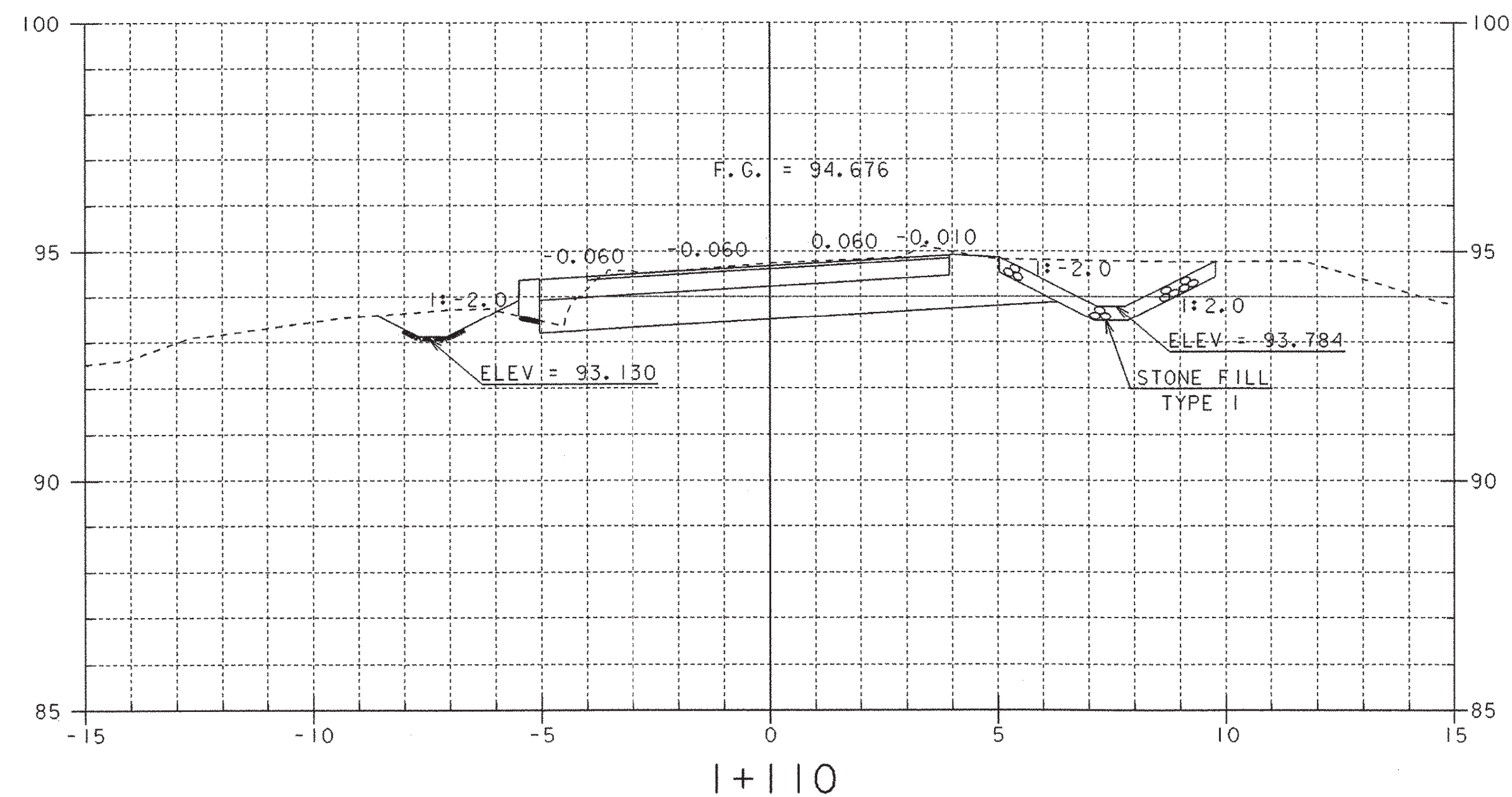
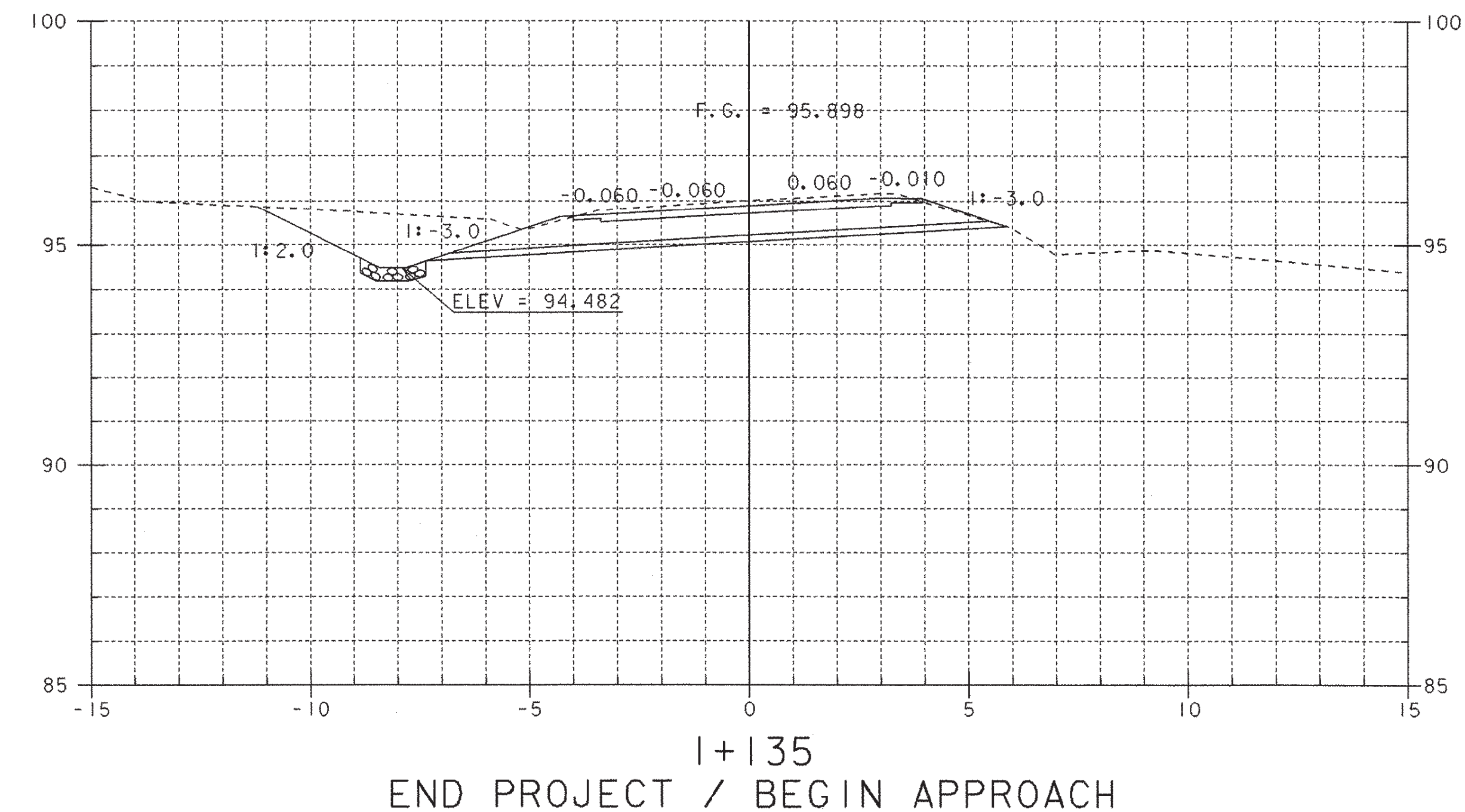
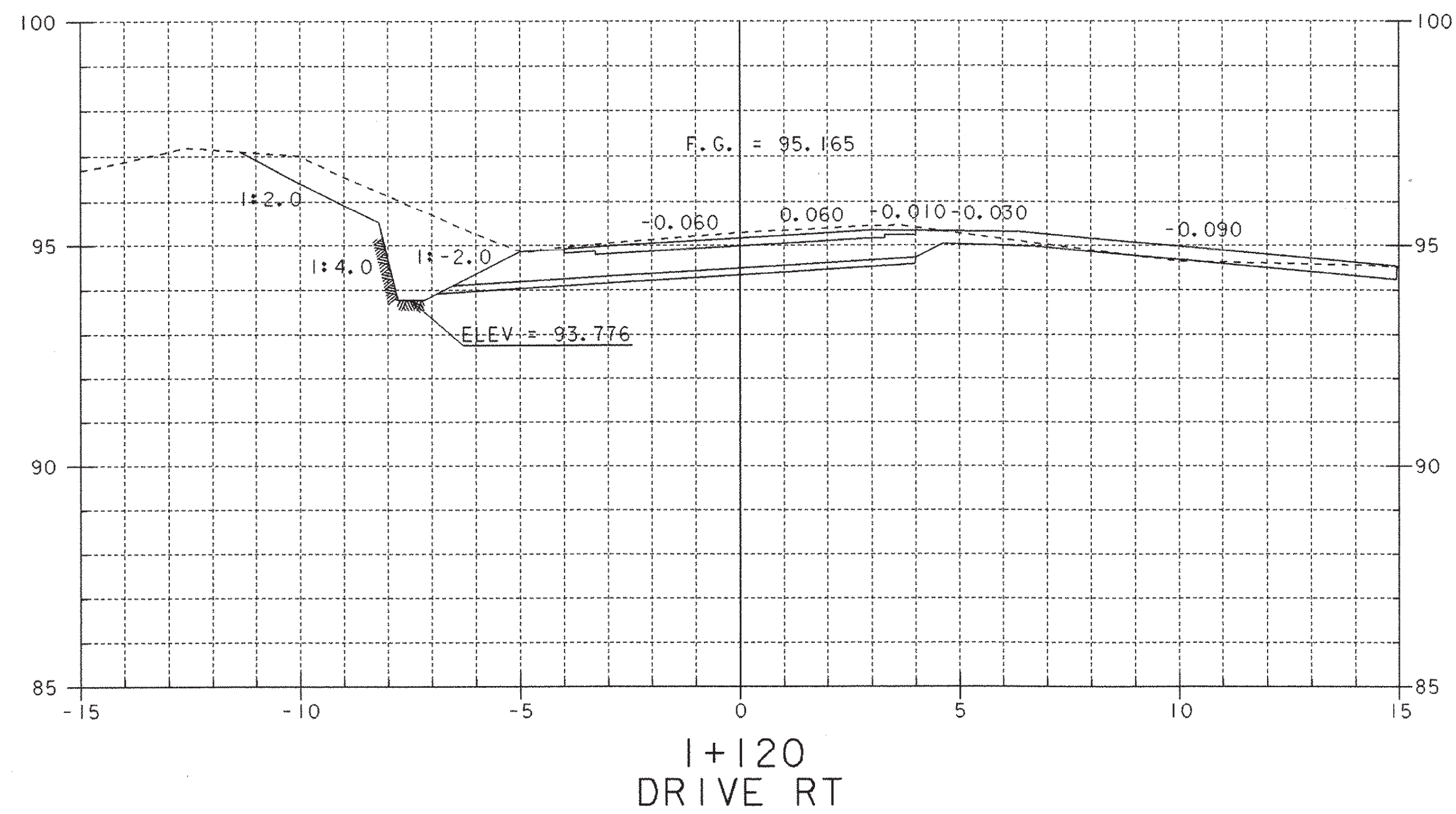
STA. I+070.000 LT
END STONE FILL, TYPE I DITCH

STA. I+068.000 RT
BEGIN DITCH
BEGIN STONE FILL, TYPE I

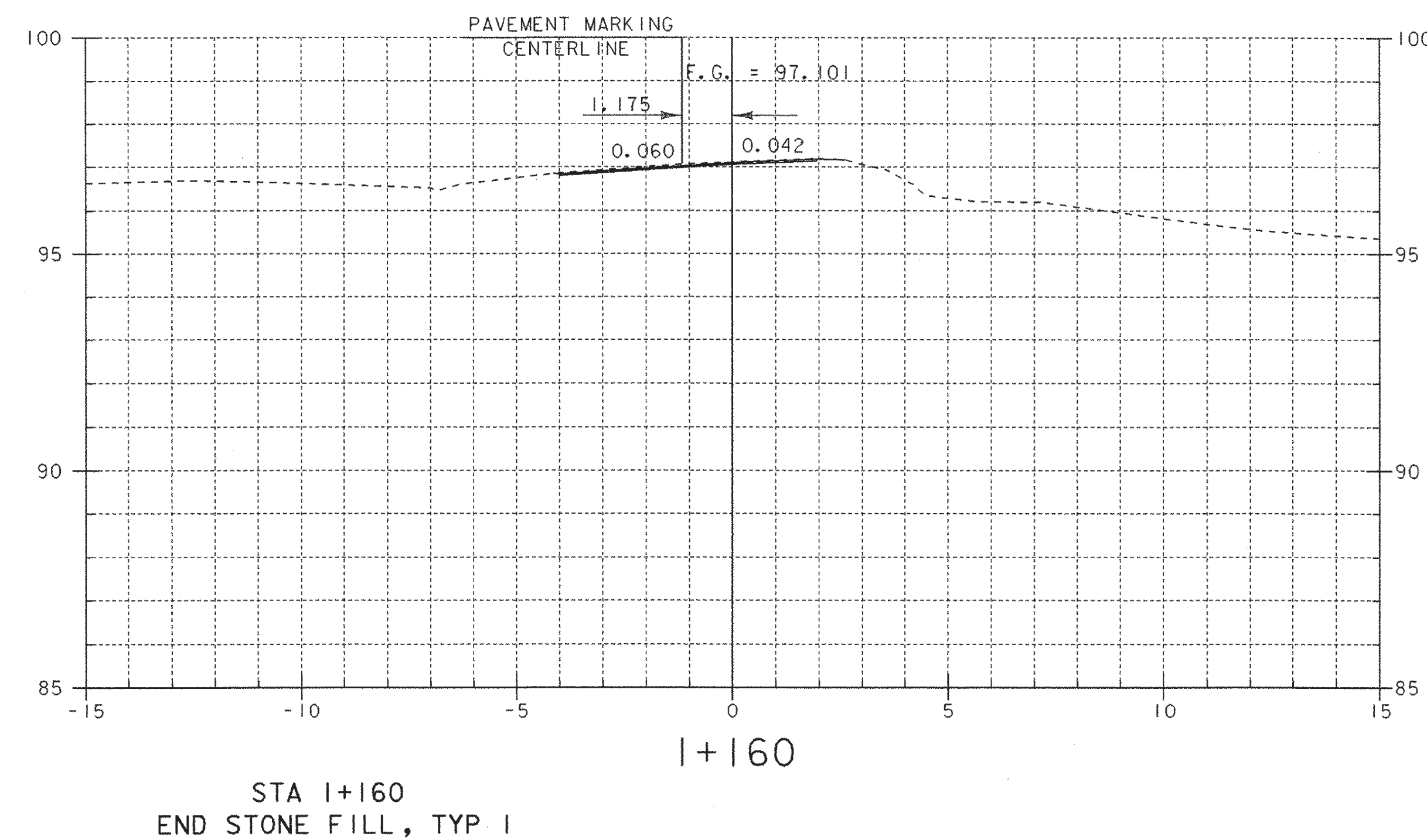
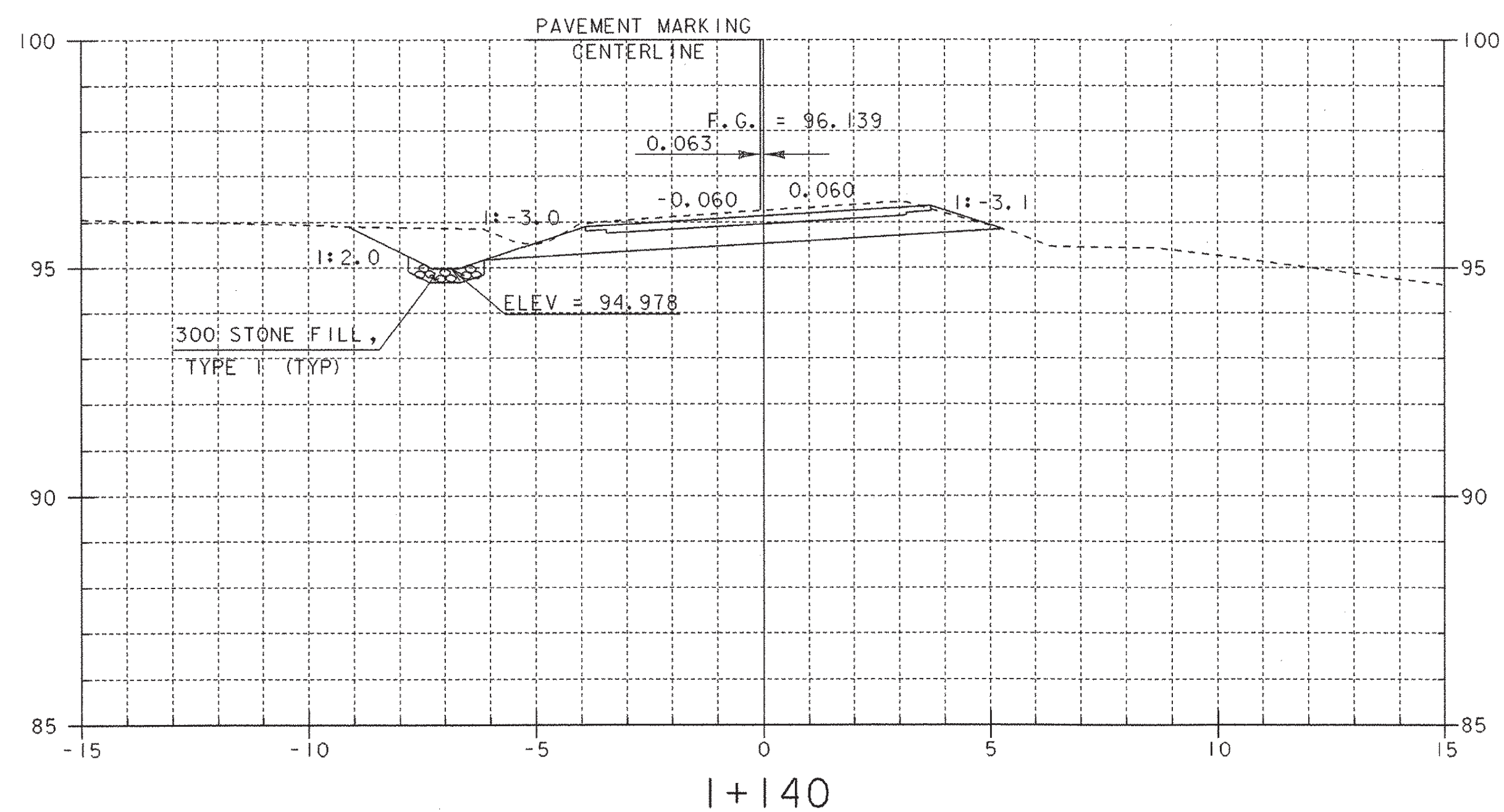
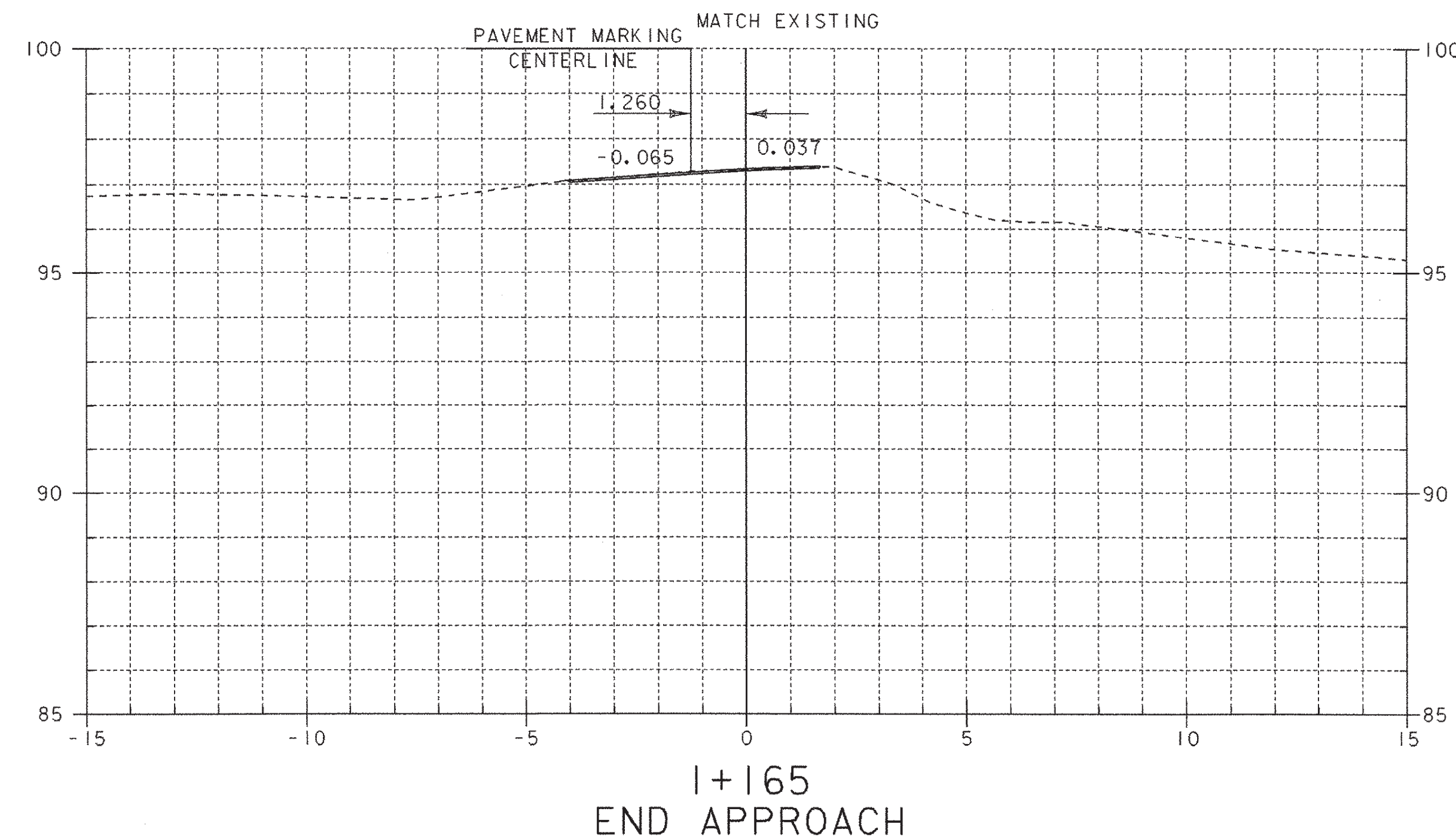
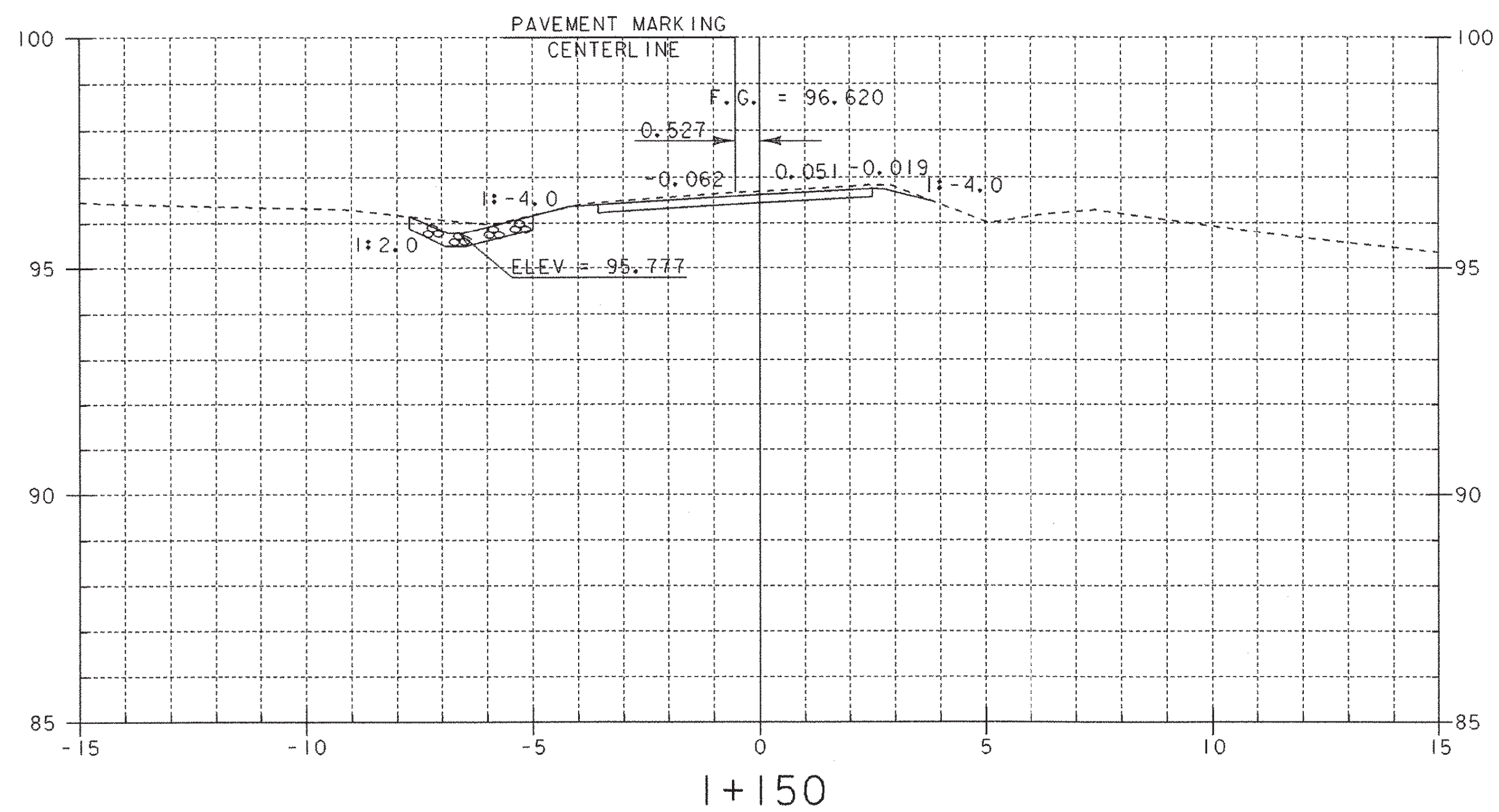
SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s+r/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021m4.1
BRIDGE SHEET NUMBER:	SHEET 40 OF 53



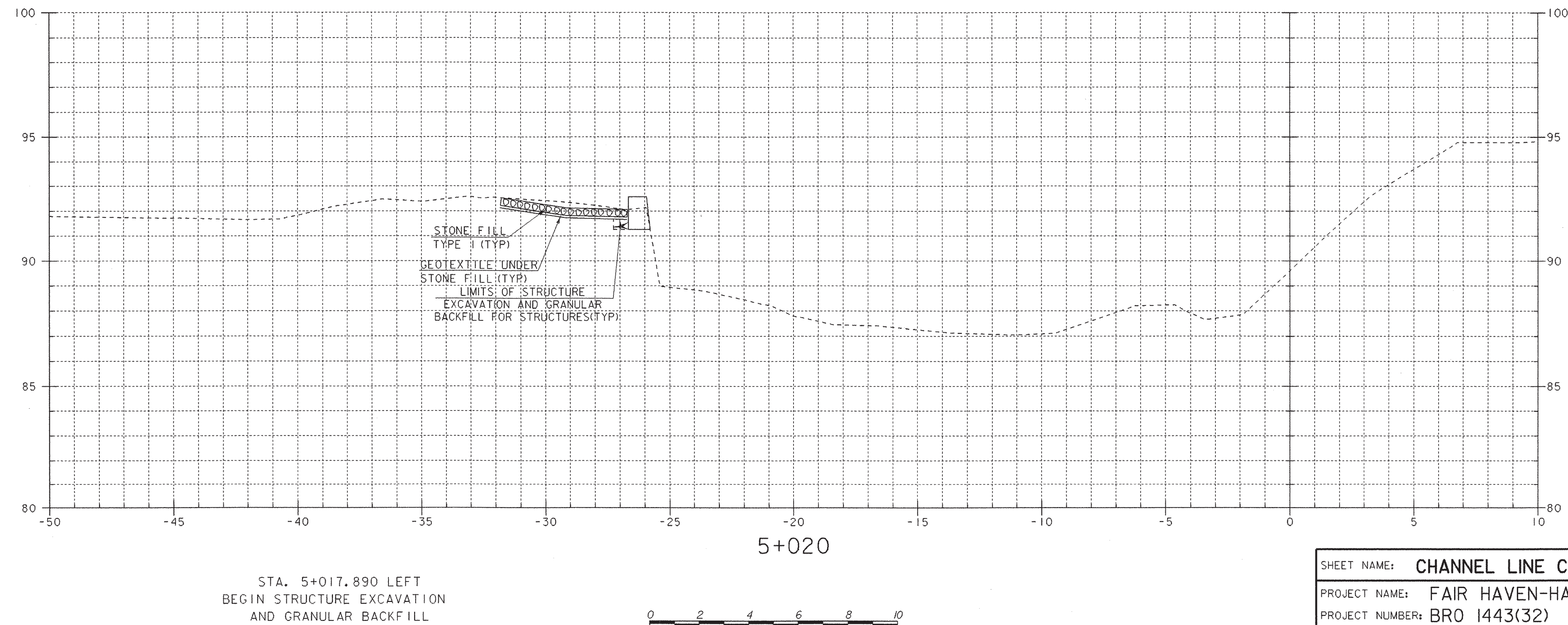
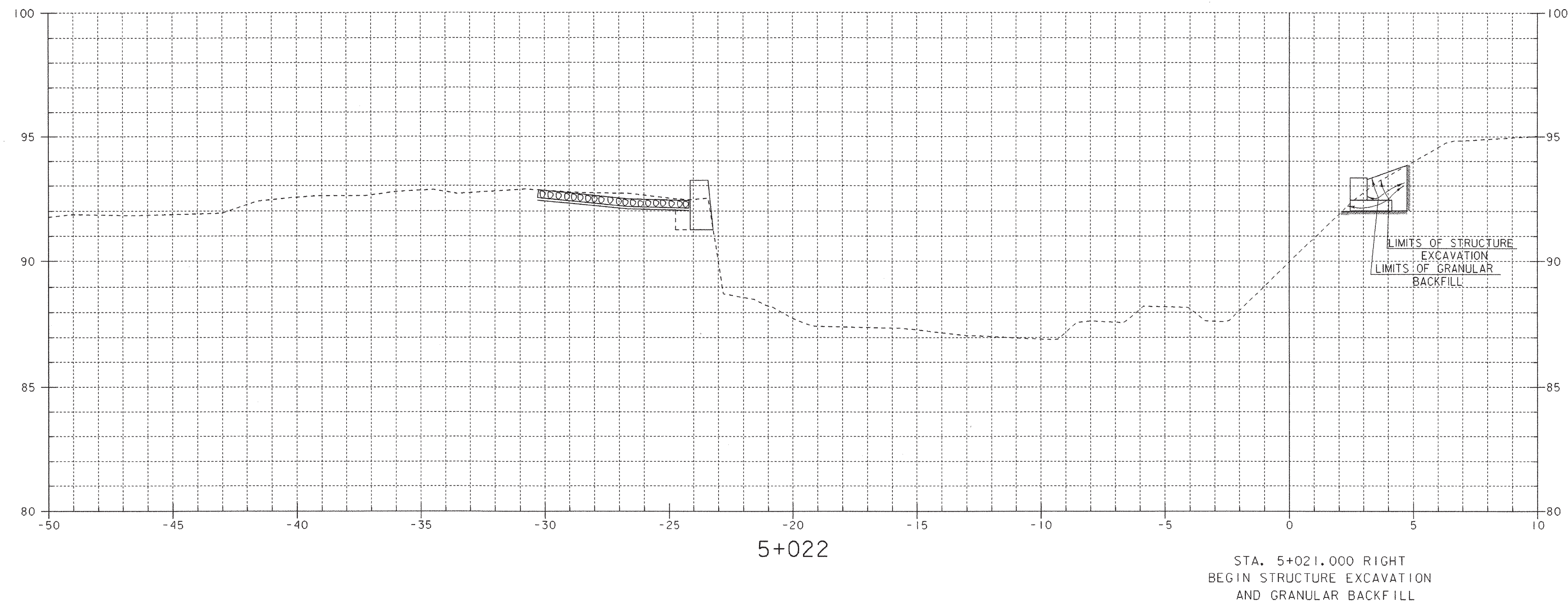
SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s+r/93j021/sj02lxs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj02lxs.dgn
BRIDGE SHEET NUMBER:	SHEET 41 OF 53



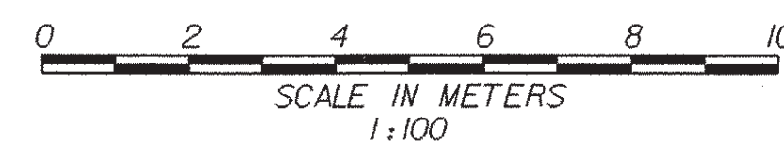
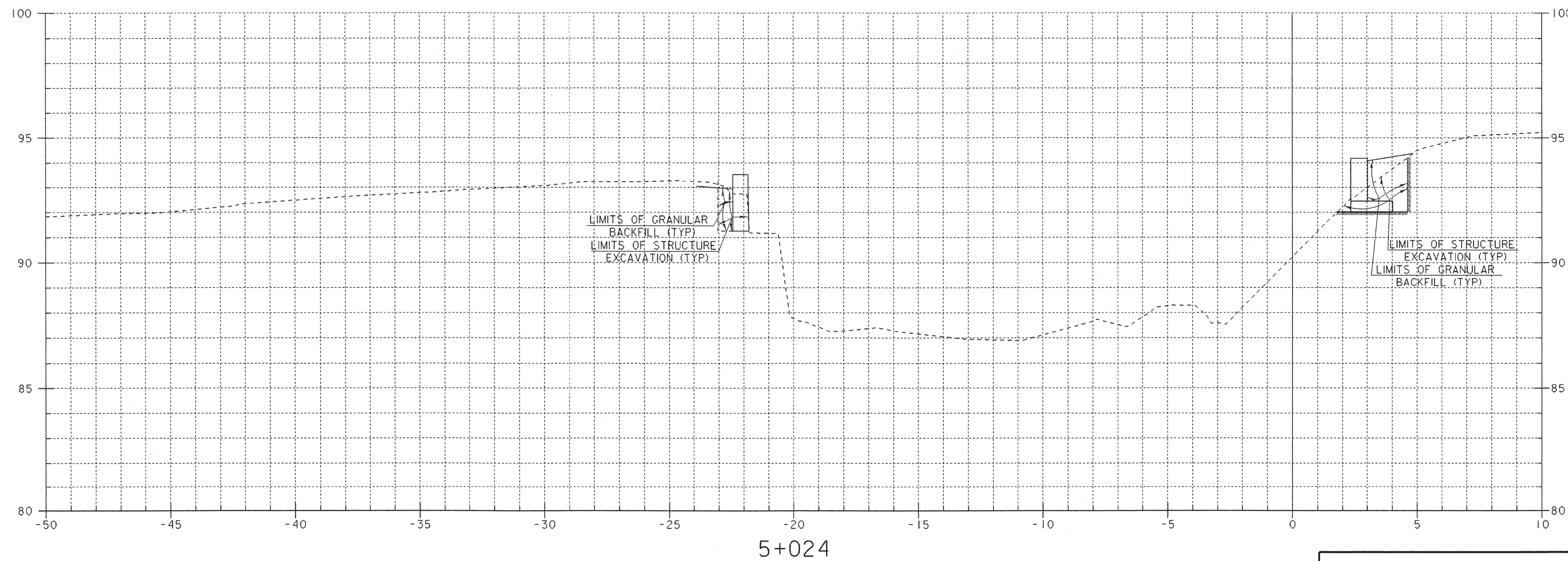
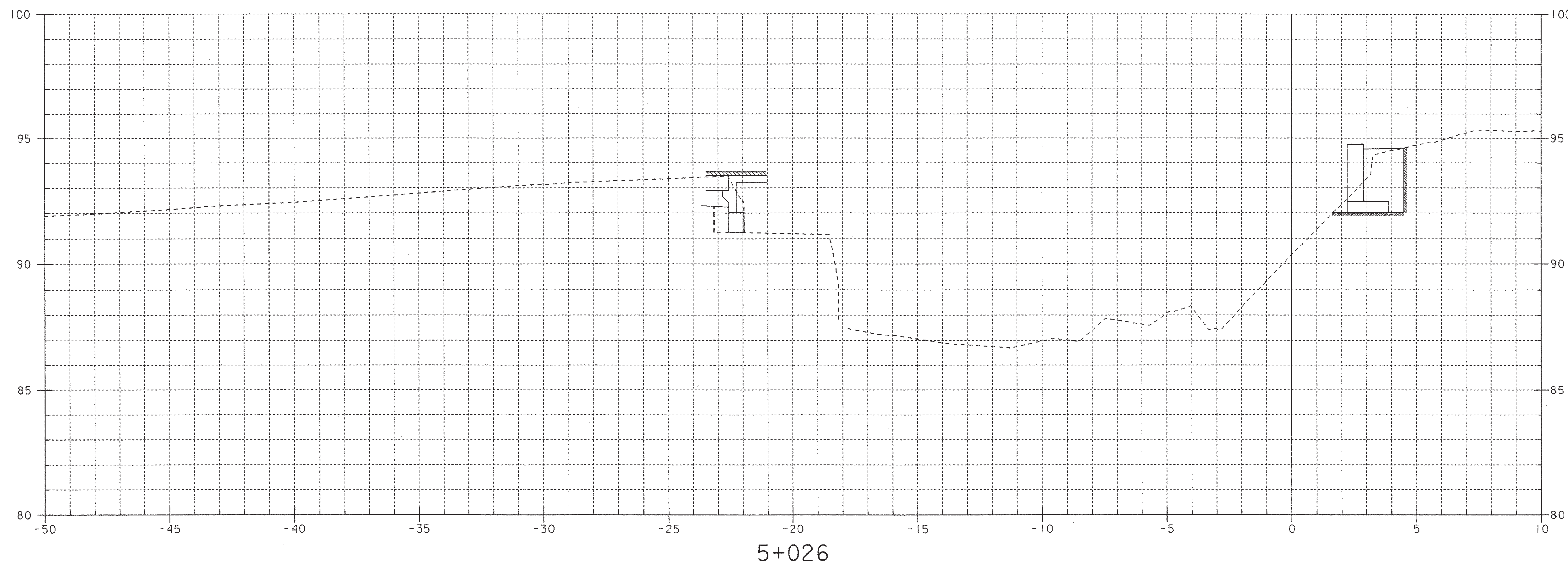
SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021mx6.1
BRIDGE SHEET NUMBER:	SHEET 42 OF 53



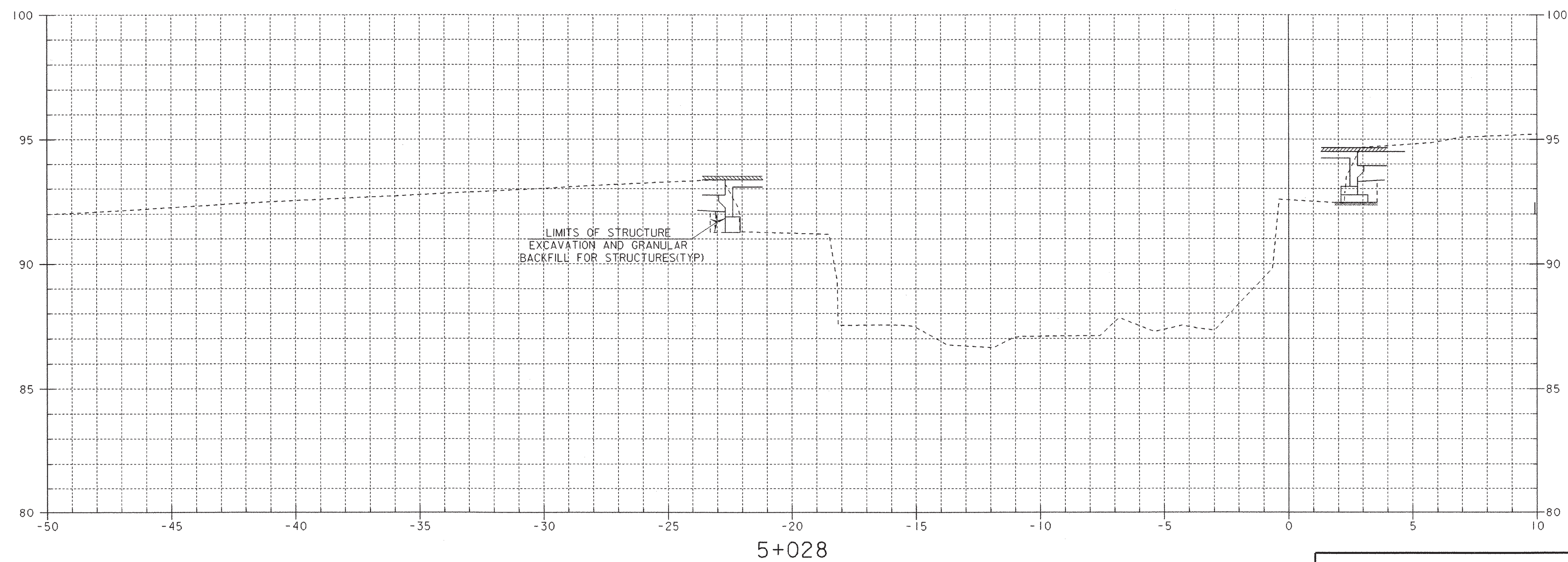
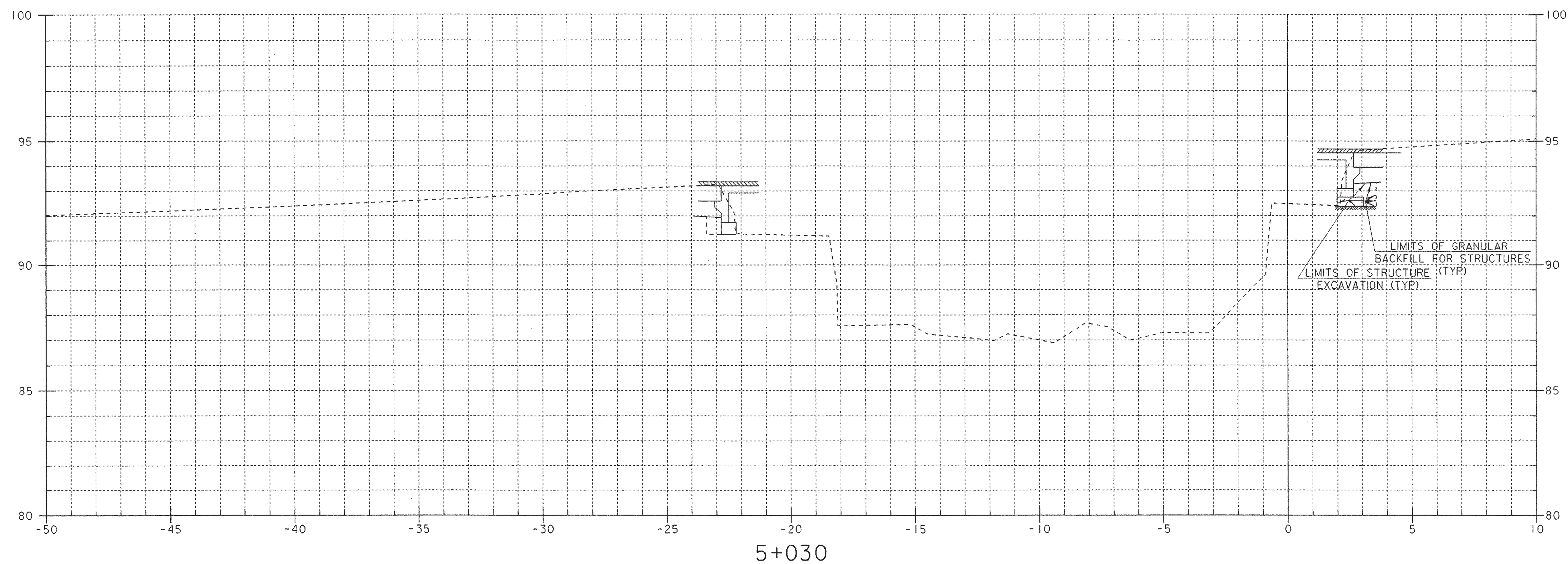
SHEET NAME: MAINLINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021mx7.1
BRIDGE SHEET NUMBER:	SHEET 43 OF 53



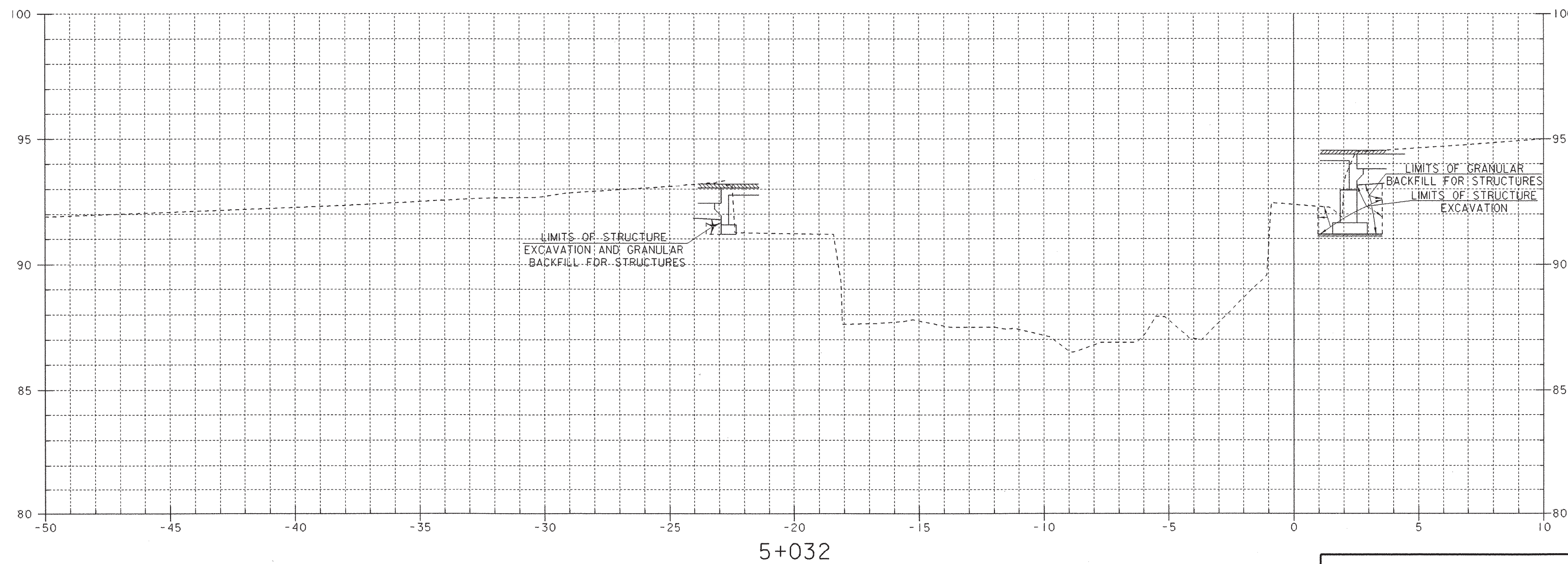
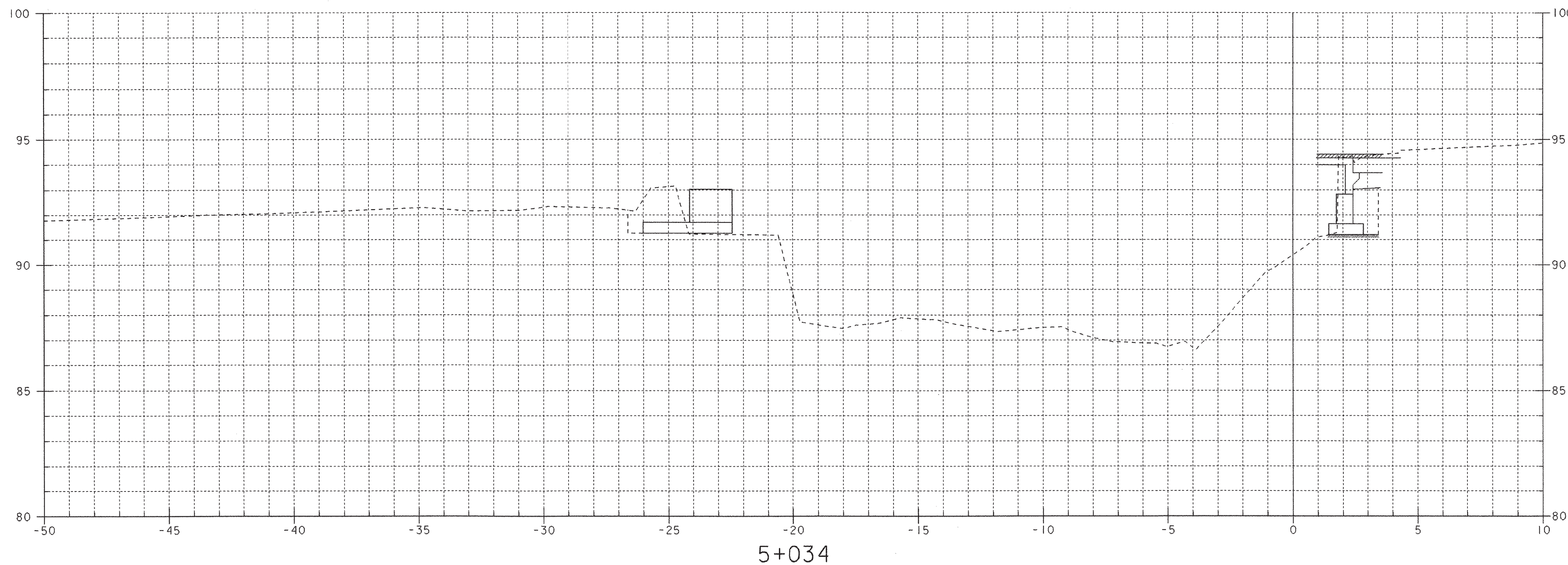
SHEET NAME: CHANNEL LINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021cx3.1
BRIDGE SHEET NUMBER:	SHEET 44 OF 53



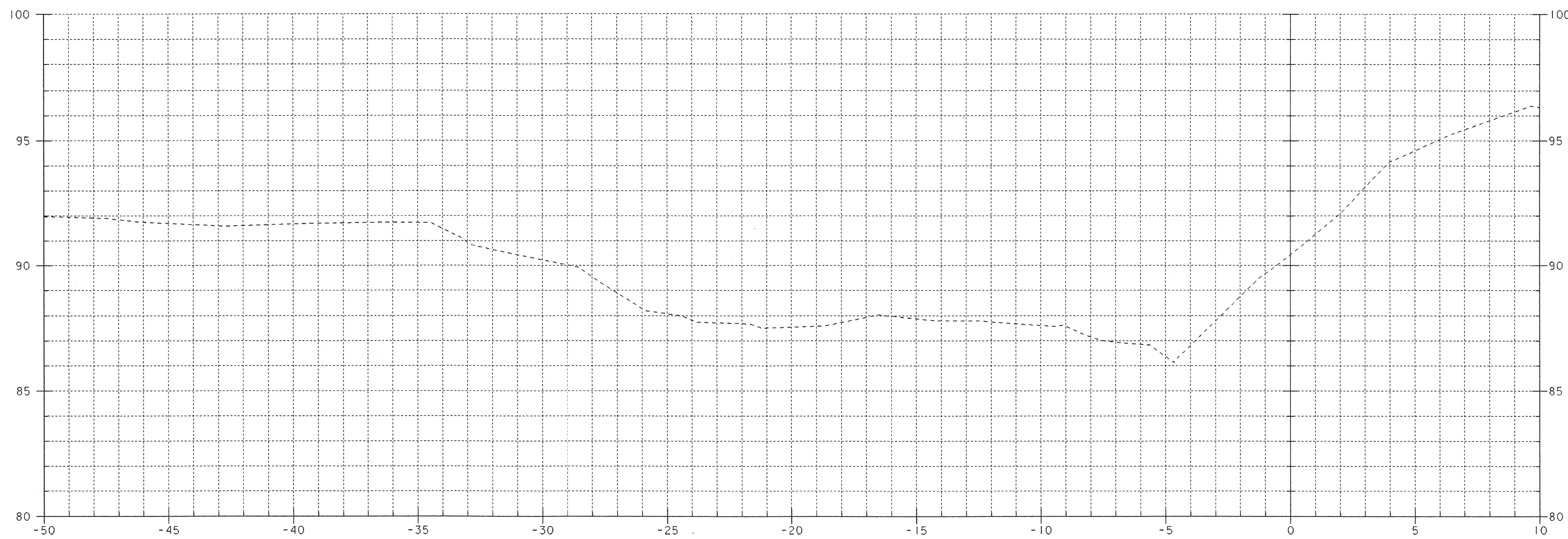
SHEET NAME: CHANNEL LINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s+tr1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021cx4.i
BRIDGE SHEET NUMBER:	SHEET 45 OF 53



SHEET NAME: CHANNEL LINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021cx5.1
BRIDGE SHEET NUMBER:	SHEET 46 OF 53

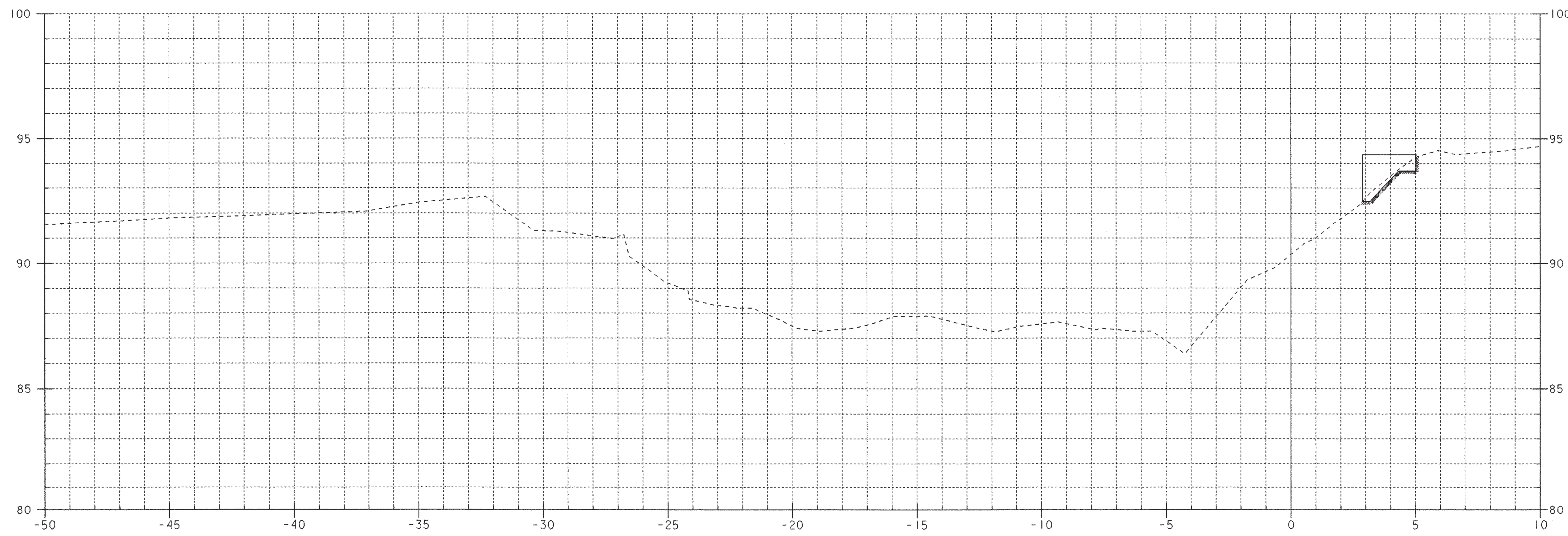


SHEET NAME: CHANNEL LINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021cx6.1
BRIDGE SHEET NUMBER:	SHEET 47 OF 53



5+040

STA. 5+036.490 RIGHT END STRUCTURE
EXCAVATION AND GRANULAR BACKFILL



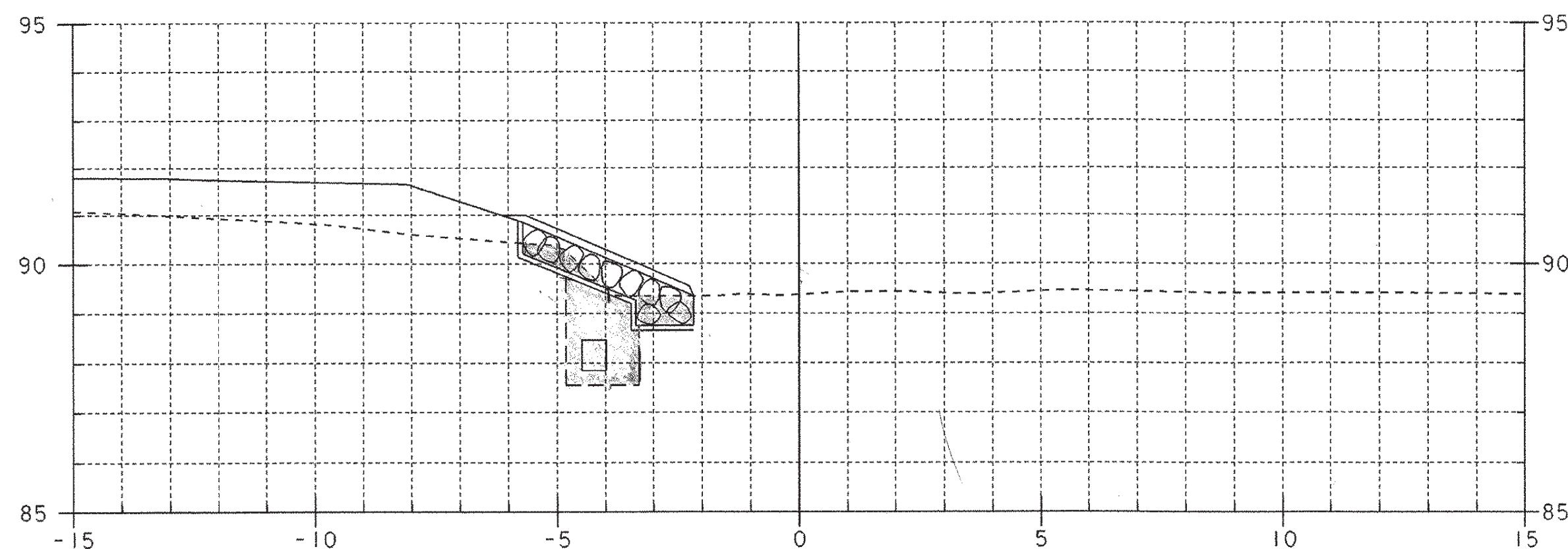
5+036

STA. 5+034.660 LEFT
END STRUCTURE EXCAVATION
AND GRANULAR BACKFILL



SHEET NAME: CHANNEL LINE CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s+r1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021cx7.1
BRIDGE SHEET NUMBER:	SHEET 48 OF 53

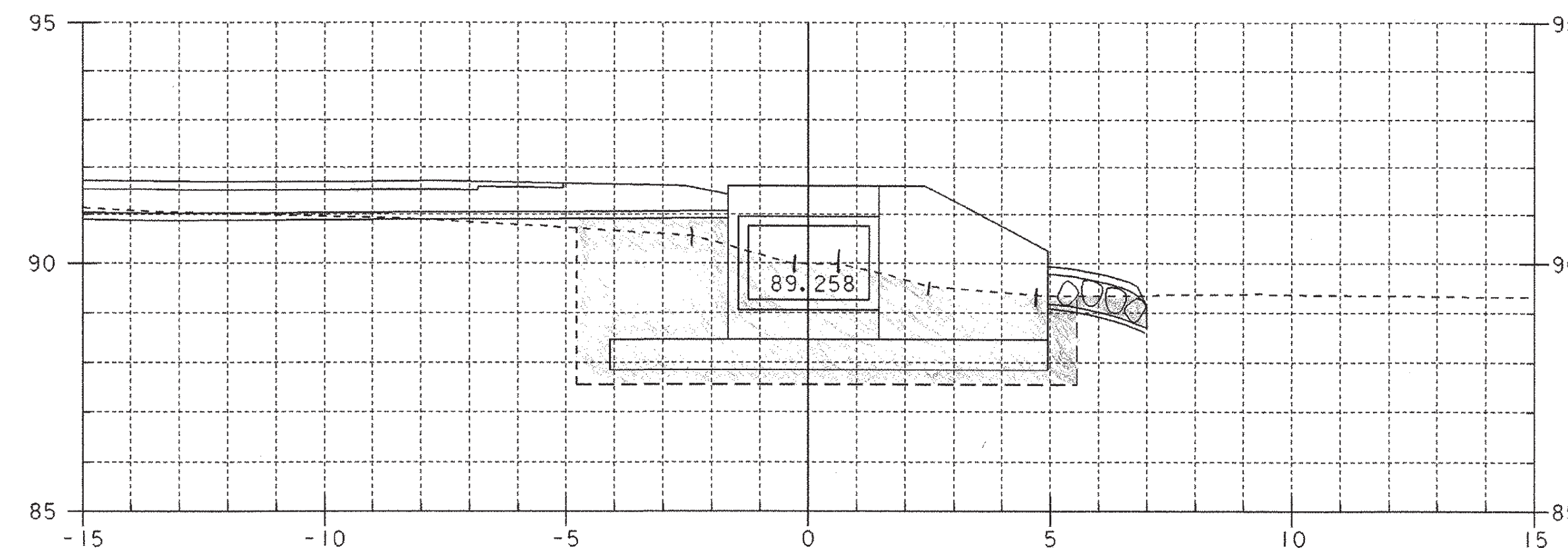
3+016.8 /
 UC EXC = 0.96 SM



STA. 3+015.390 LT. = 0 SM
 BEGIN STRUCTURE EXCAVATION &
 GRANULAR BACKFILL FOR STRUCTURE
 = 0 SM

3+016

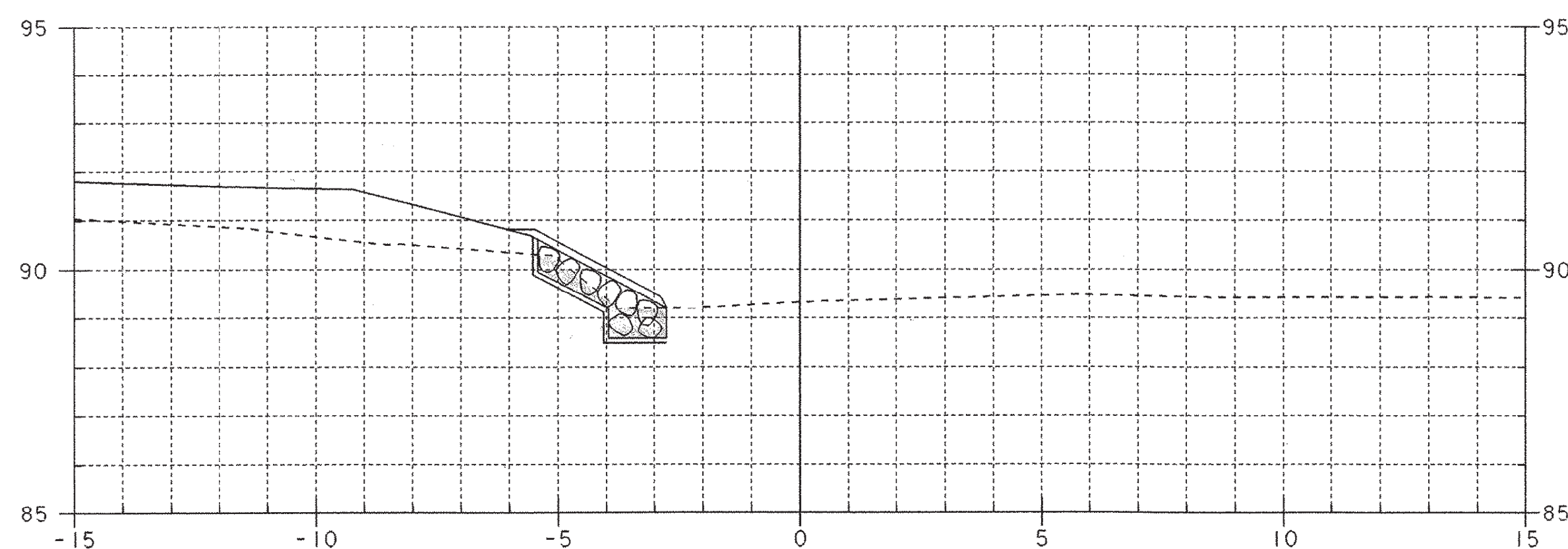
UC EXC = 0.96 SM
 STR. EXC = 2.7 SM
 GRAN BKFL = 2.55 SM



STA. 3+018.100 LT.
 END UNCLASSIFIED EXCAVATION
 & STONE FILL, TYPE II

3+018.400
 BEGIN BOX CULVERT

UC EXC = 0.63 SM
 STR. EXC = 24.99 SM
 GRAN BKFL = 11.67 SM



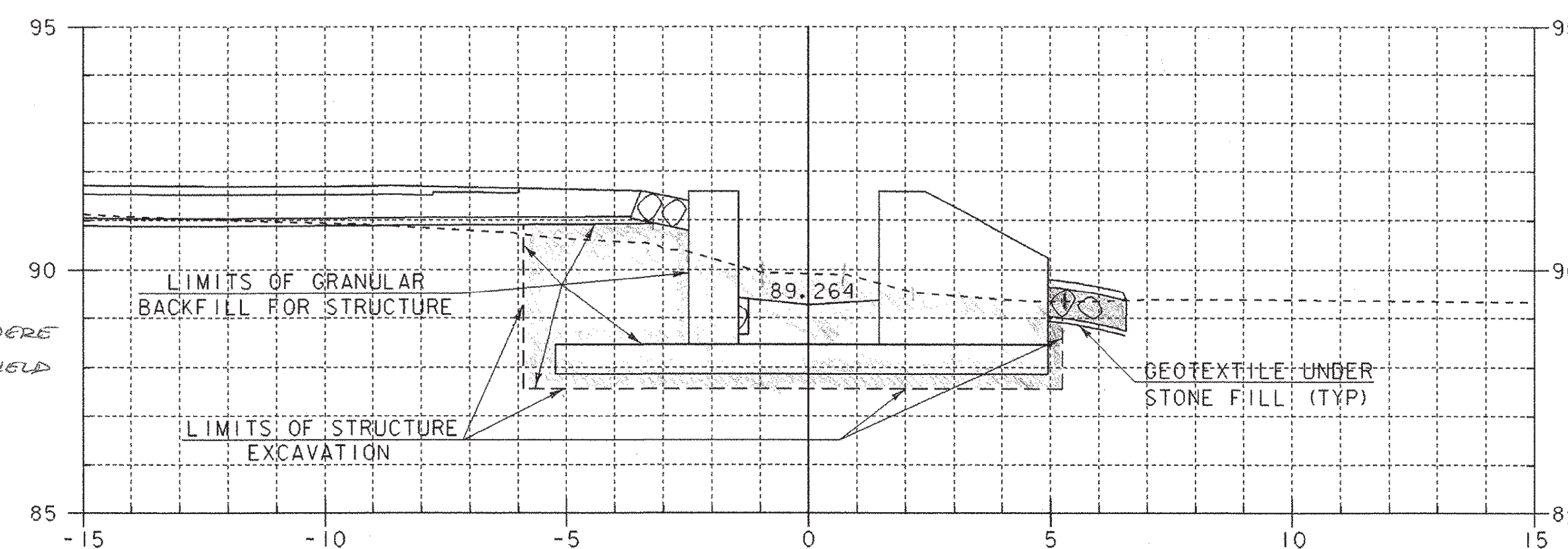
3+015

UC EXC = 0.45 SM

DATE 10/25/04

PRECAST BOX
 PLAN X-SECTIONS.
 * THESE SECTIONS WERE
 CHECKED IN THE FIELD
 BY RETAINING THE
 ORIGINALS.
 BOX WAS BUILT AS
 PER PLANS.

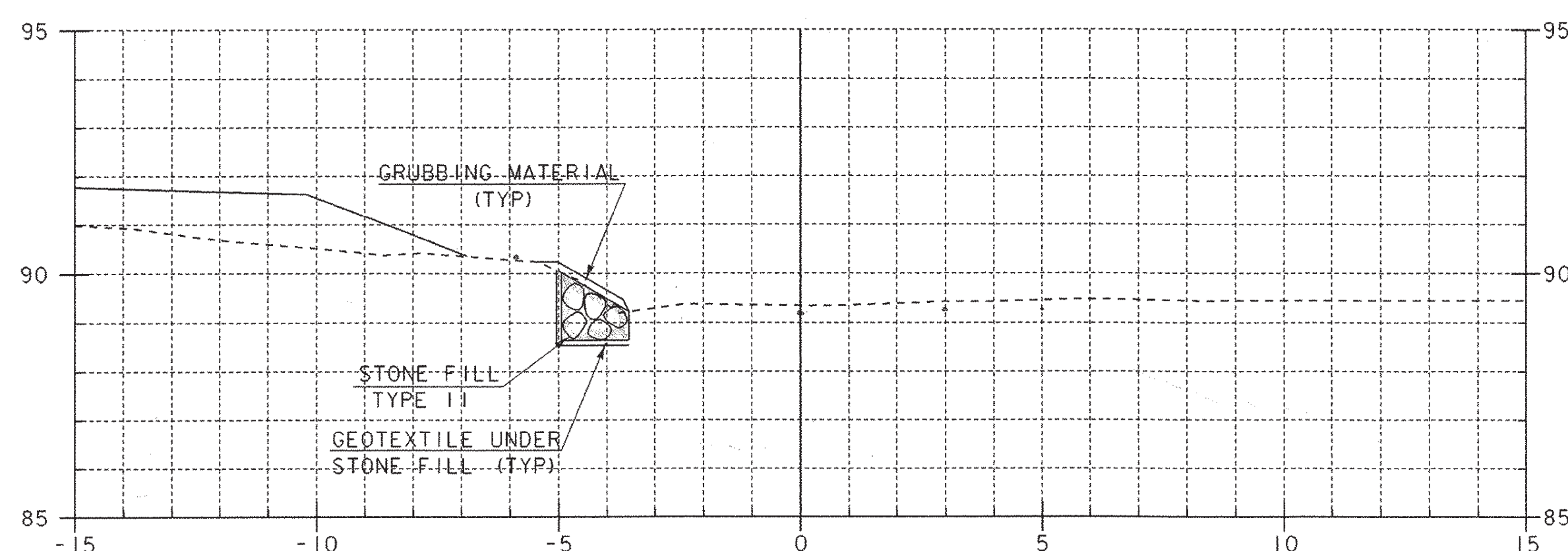
* SEE LOOSE LEAF FOLDER
 FOR CALCULATIONS



3+018

UC EXC = 0.72 SM
 STR. EXC = 27.38 SM
 GRAN BKFL = 12.54

STA. 3+017.600 RT.
 BEGIN STRUCTURE EXCAVATION &
 GRANULAR BACKFILL FOR STRUCTURE



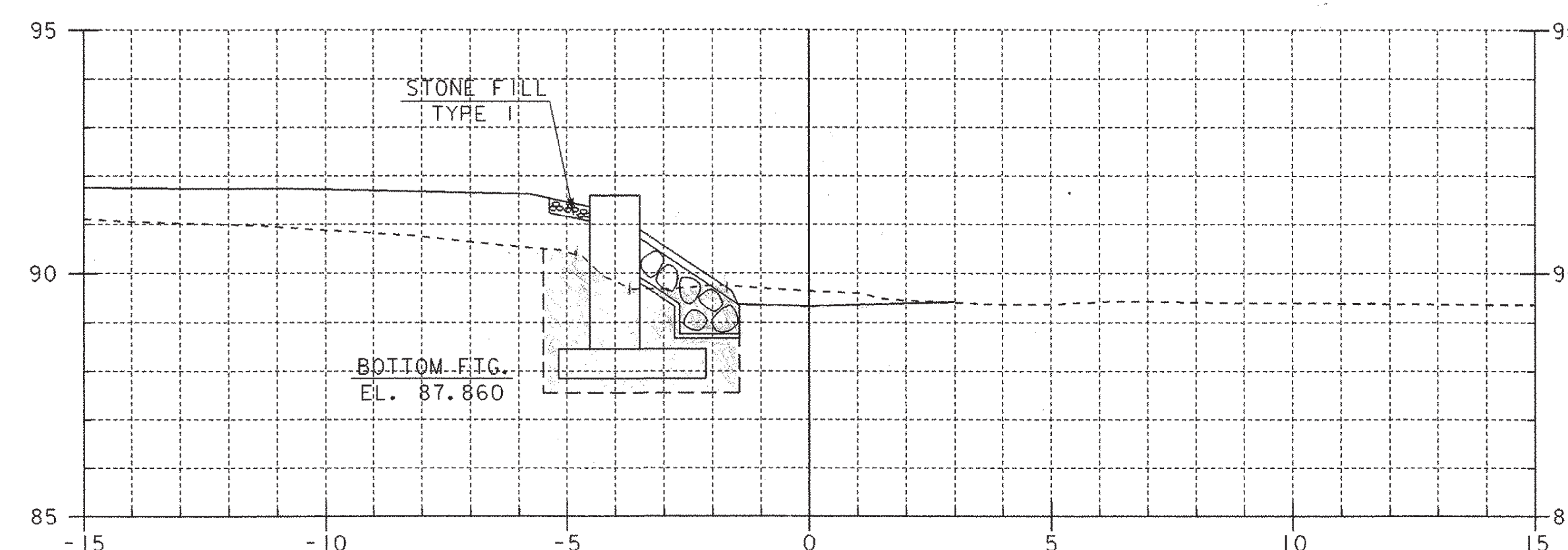
STA. 3+013.700 LT.
 BEGIN UNCLASSIFIED EXCAVATION,
 GEOTEXTILE UNDER STONE FILL,
 GRUBBING MATERIAL
 & STONE FILL, TYPE II

3+014

UC EXC = 1.40 SM

3+013.7

UC EXC = 1.40 SM



3+017

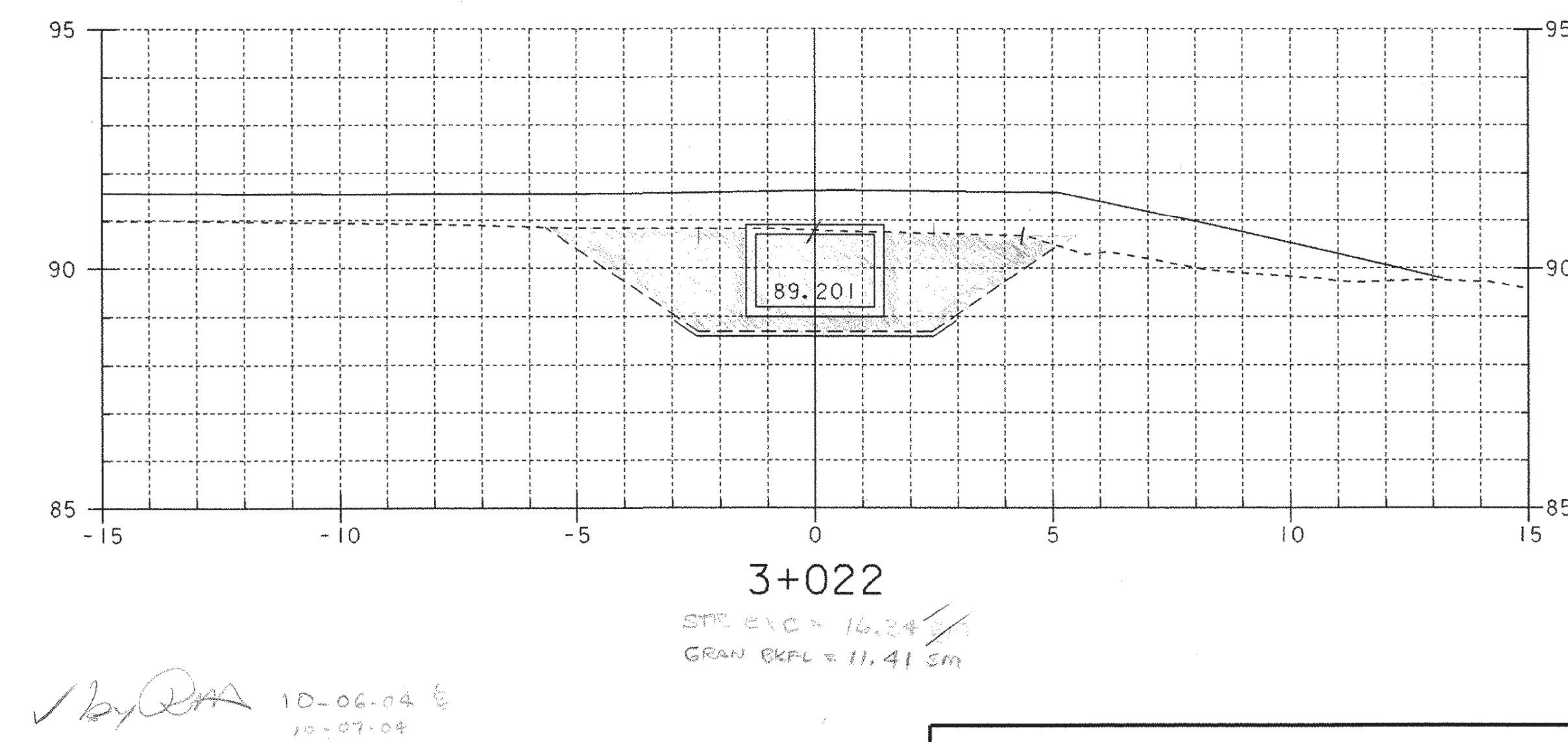
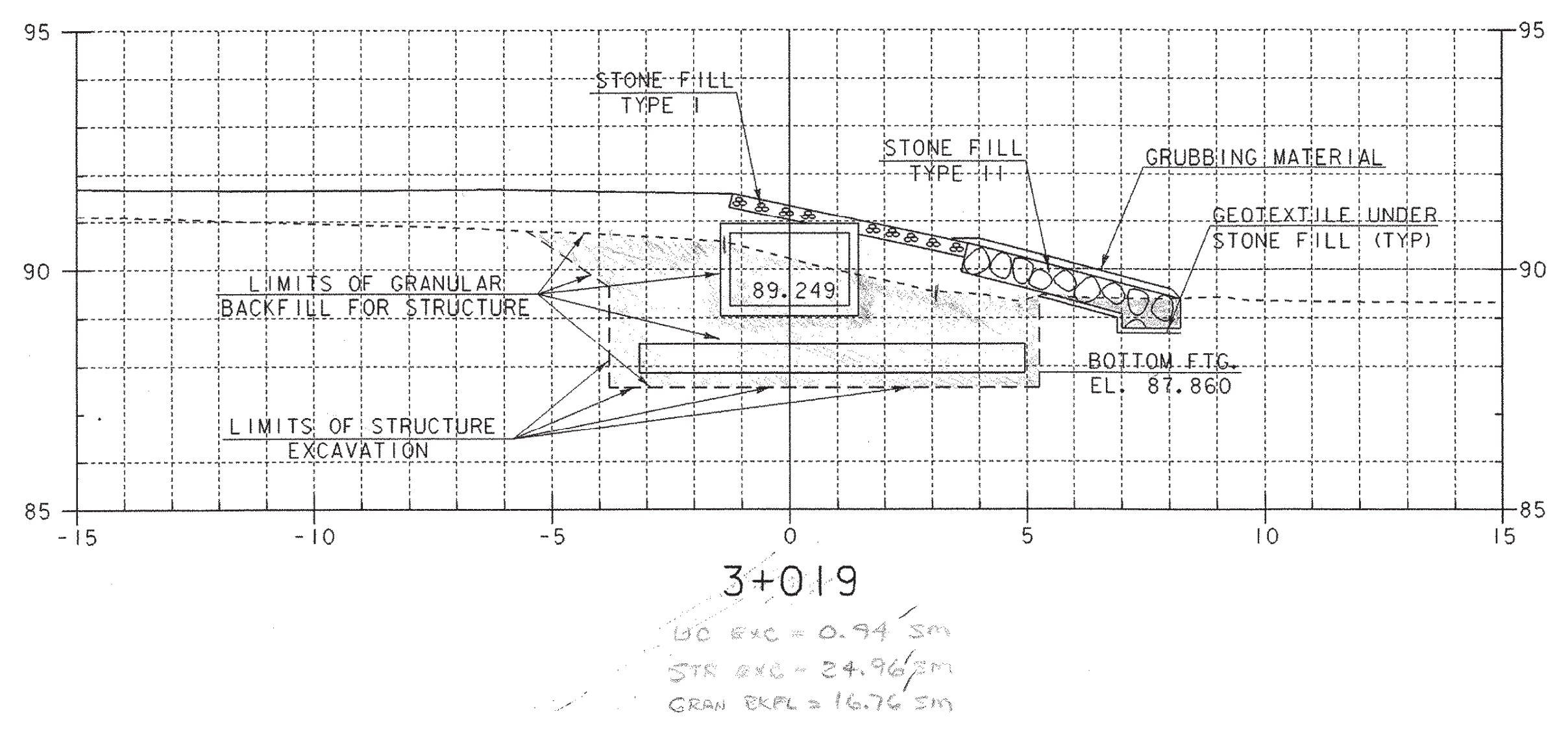
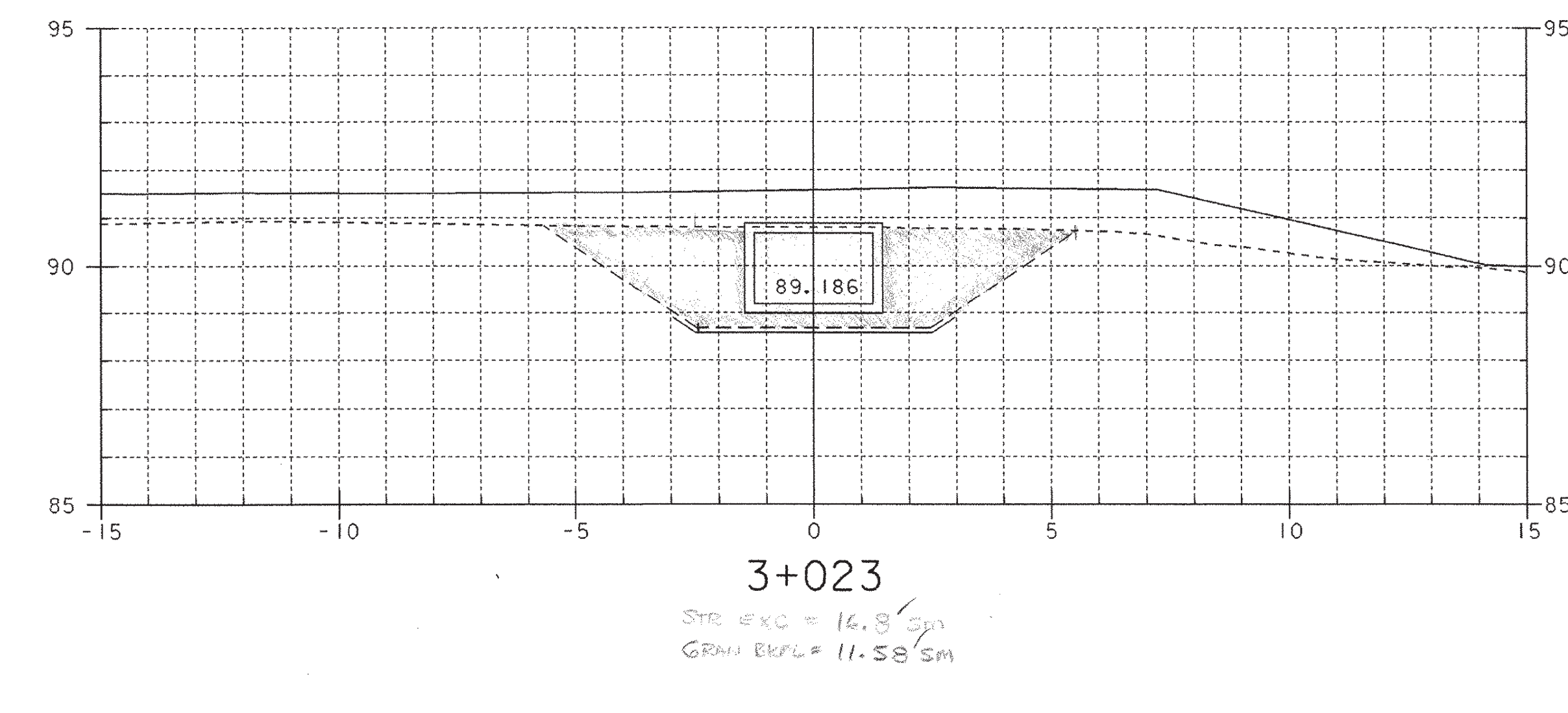
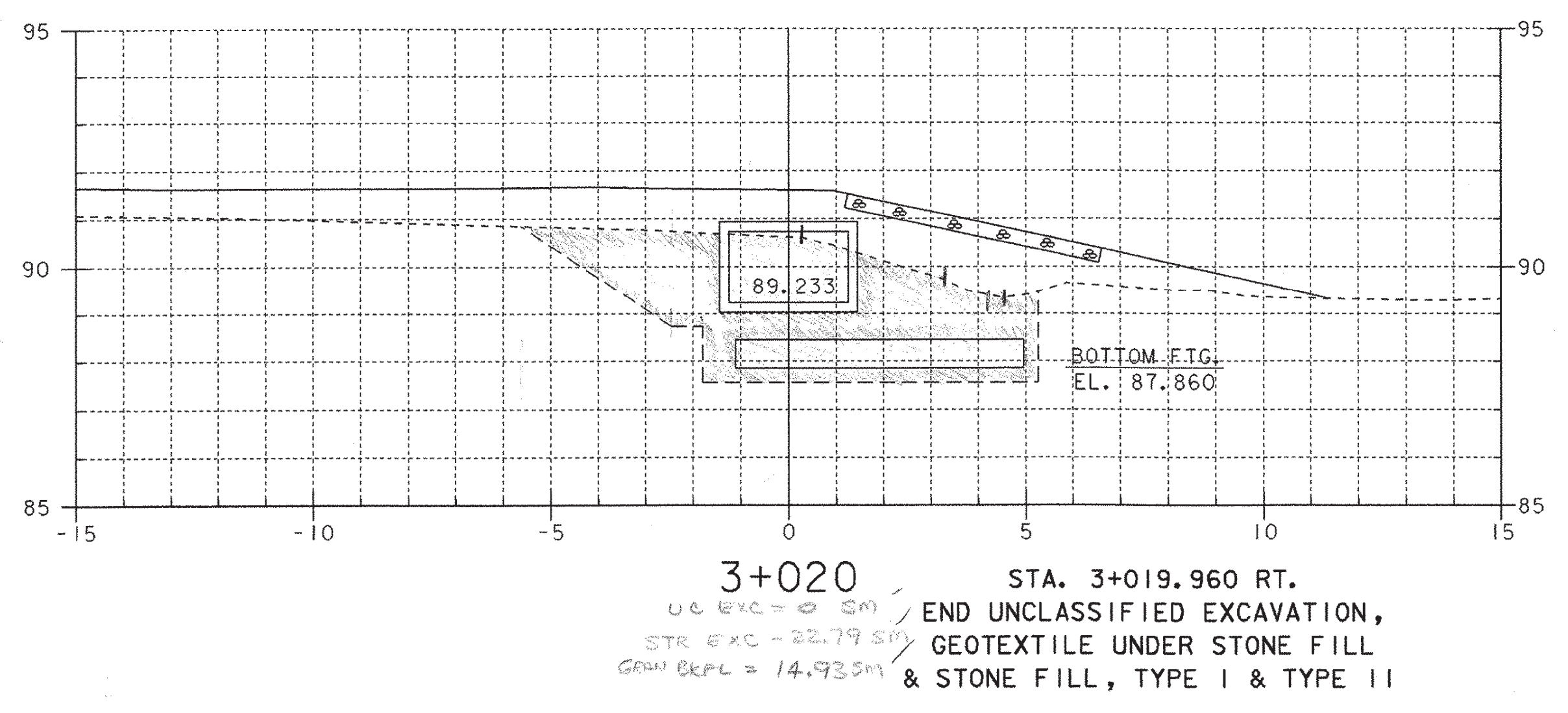
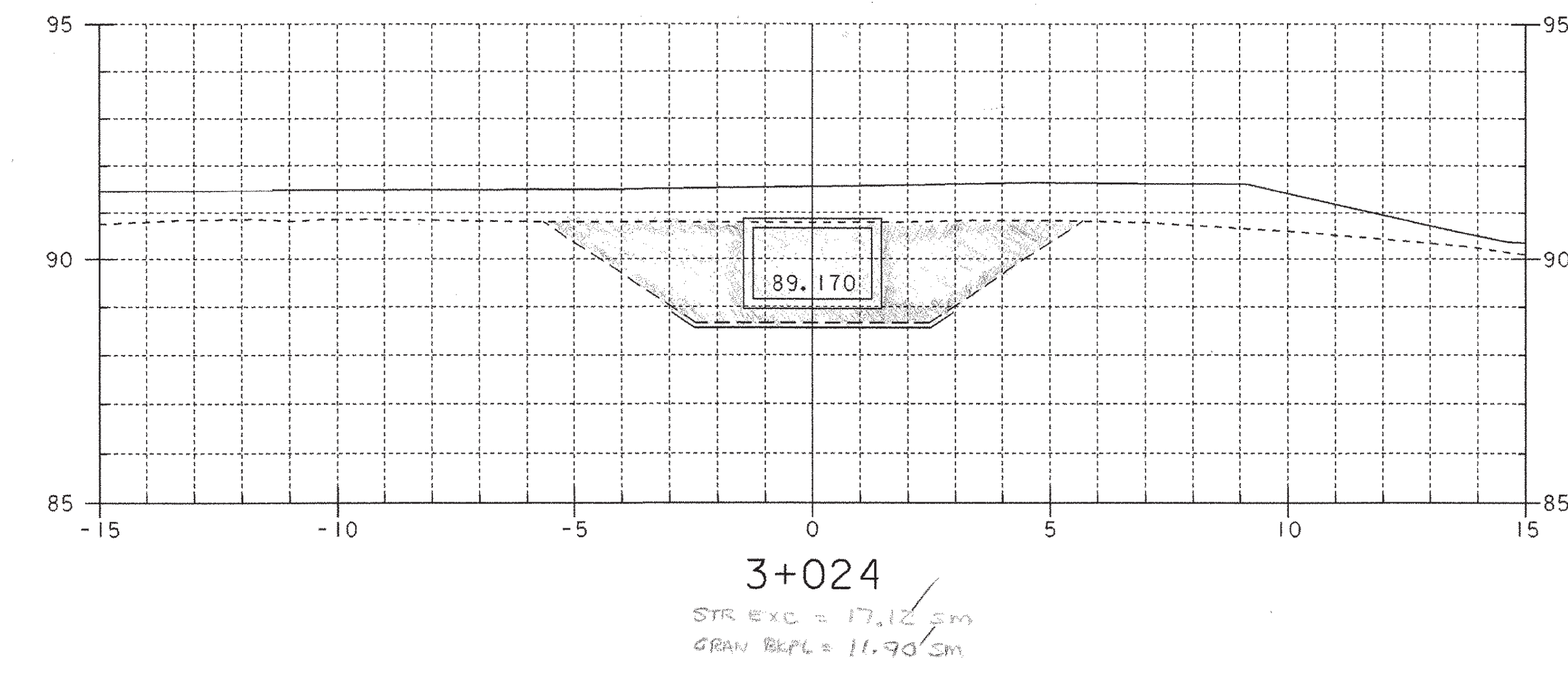
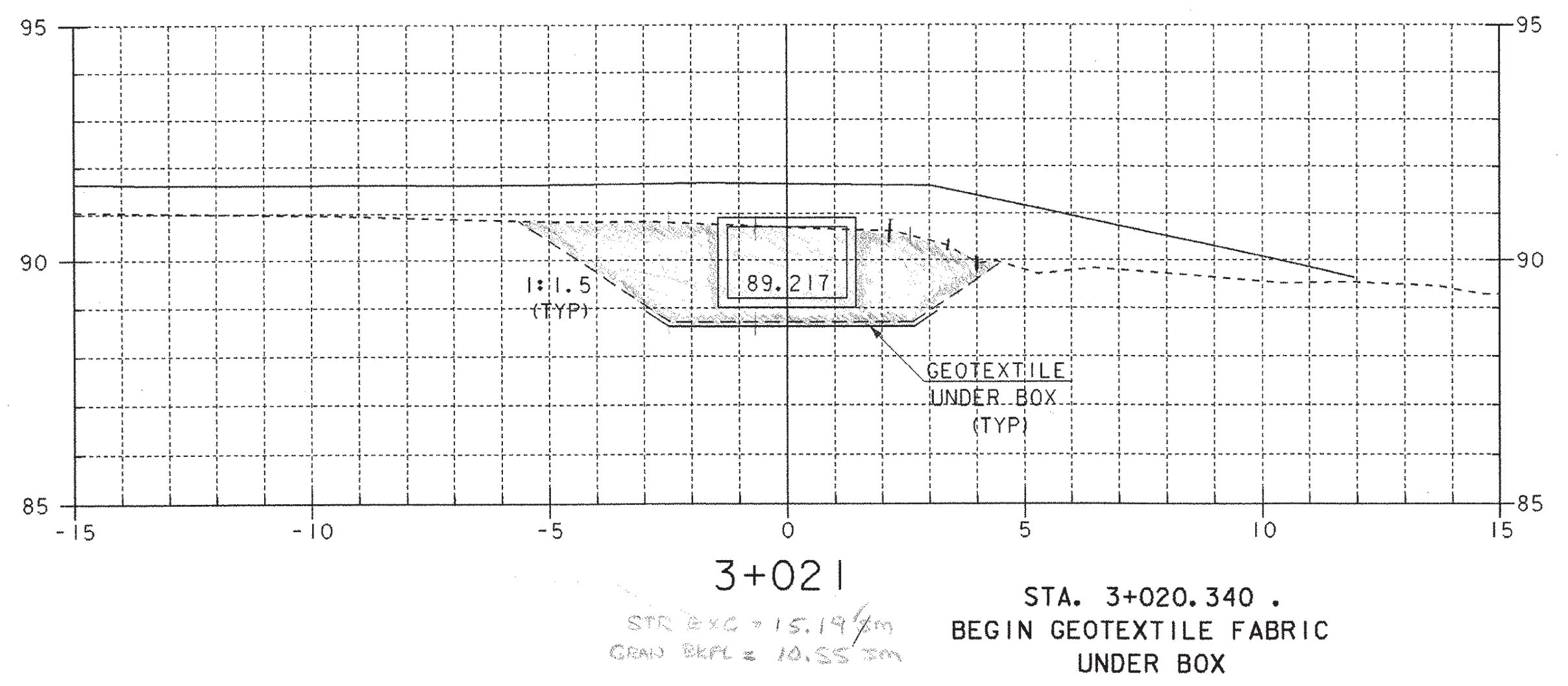
STR. EXC = 9.4 SM
 GRAN BKFL = 4.71

STA. 3+016.5 RT.
 BEGIN STONE FILL, TYPE II
 & GEOTEXTILE UNDER STONE FILL

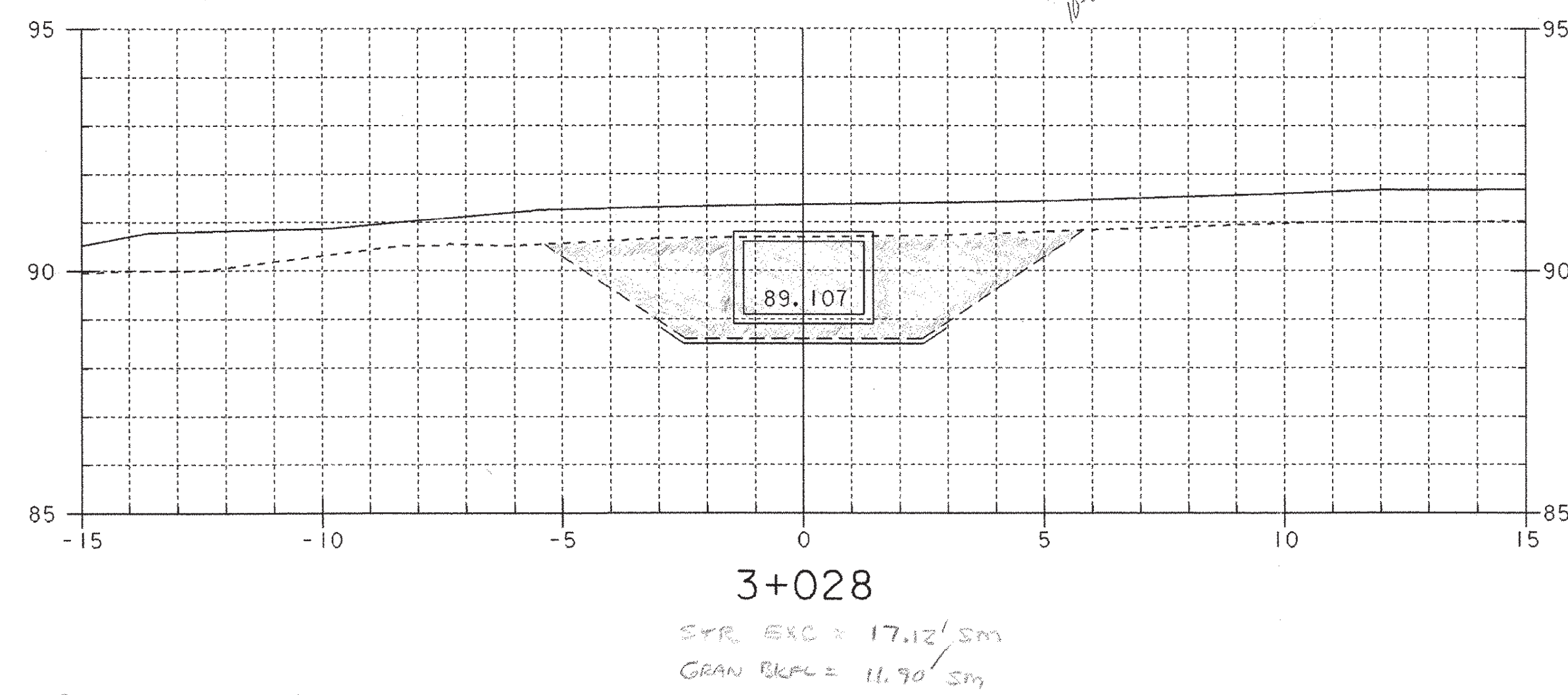
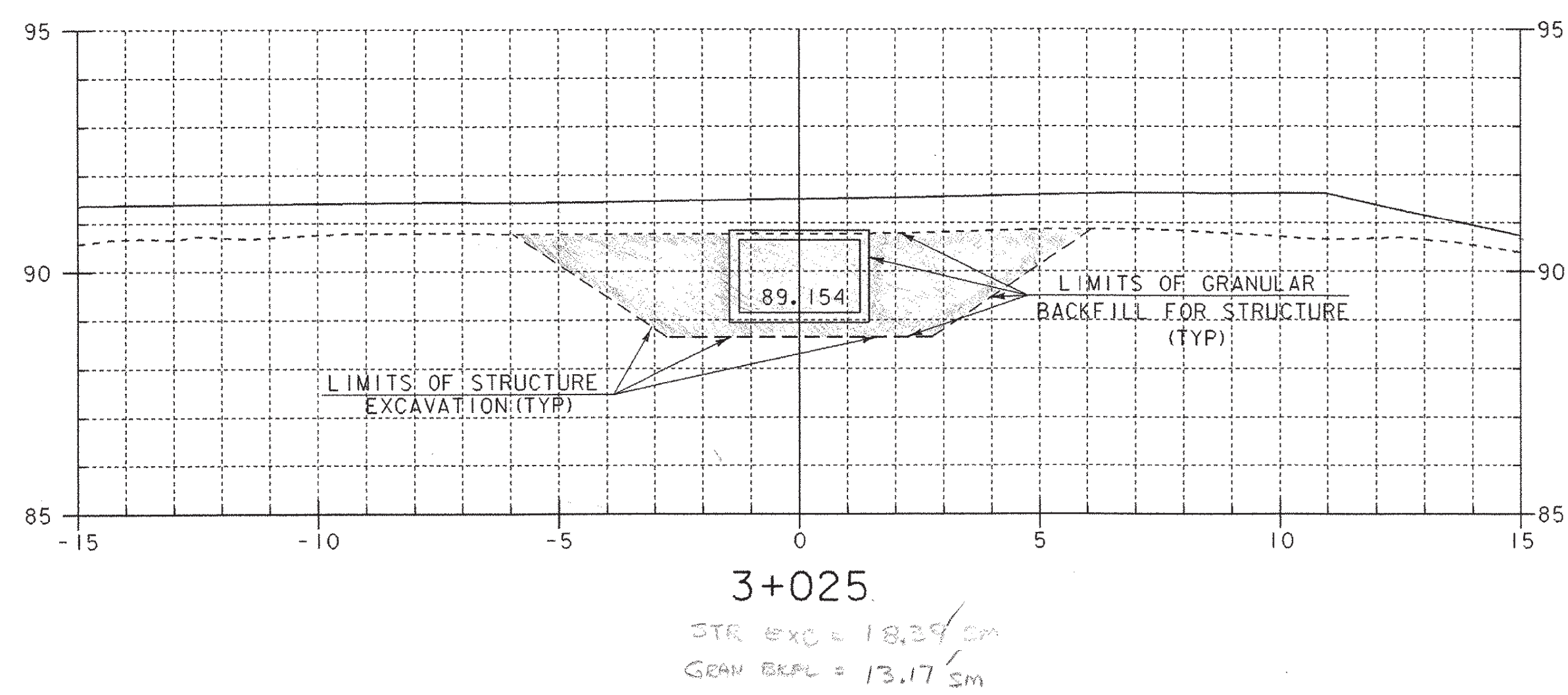
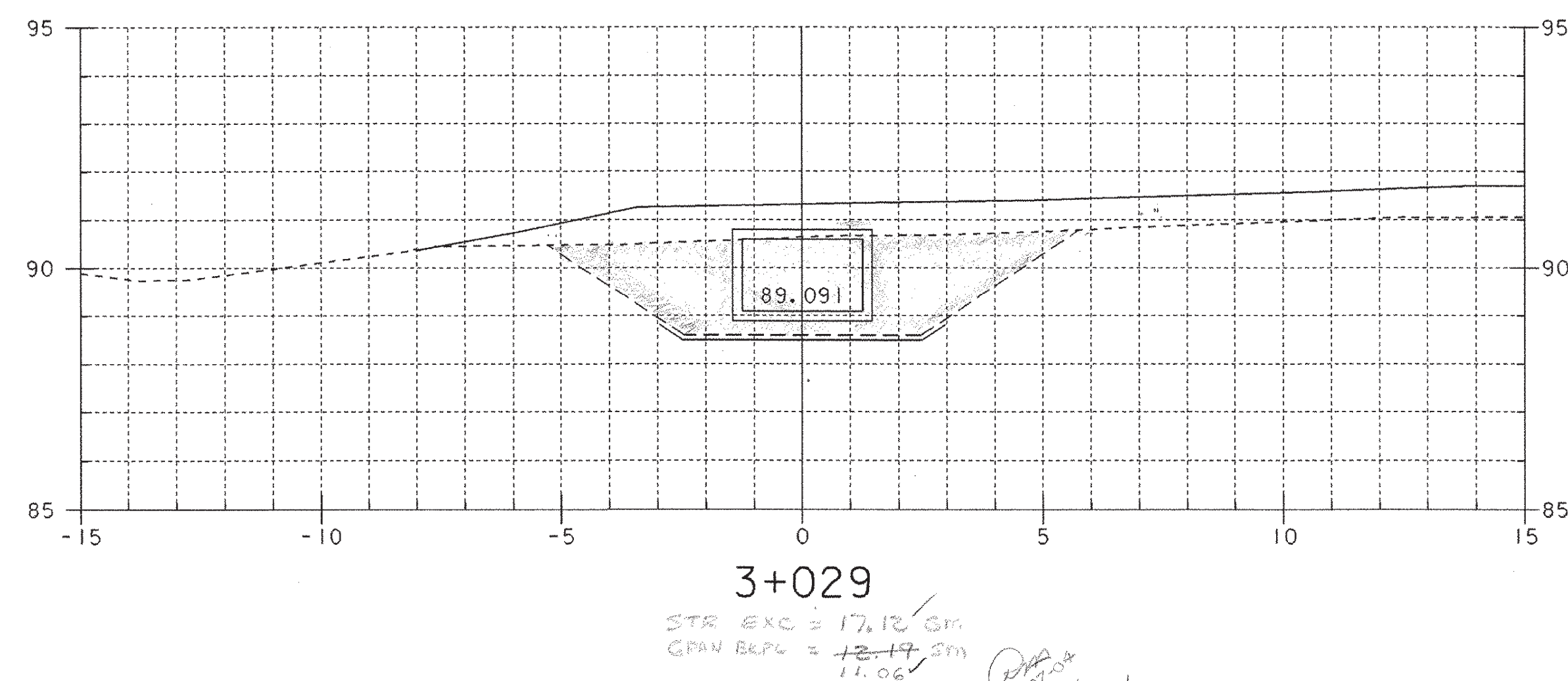
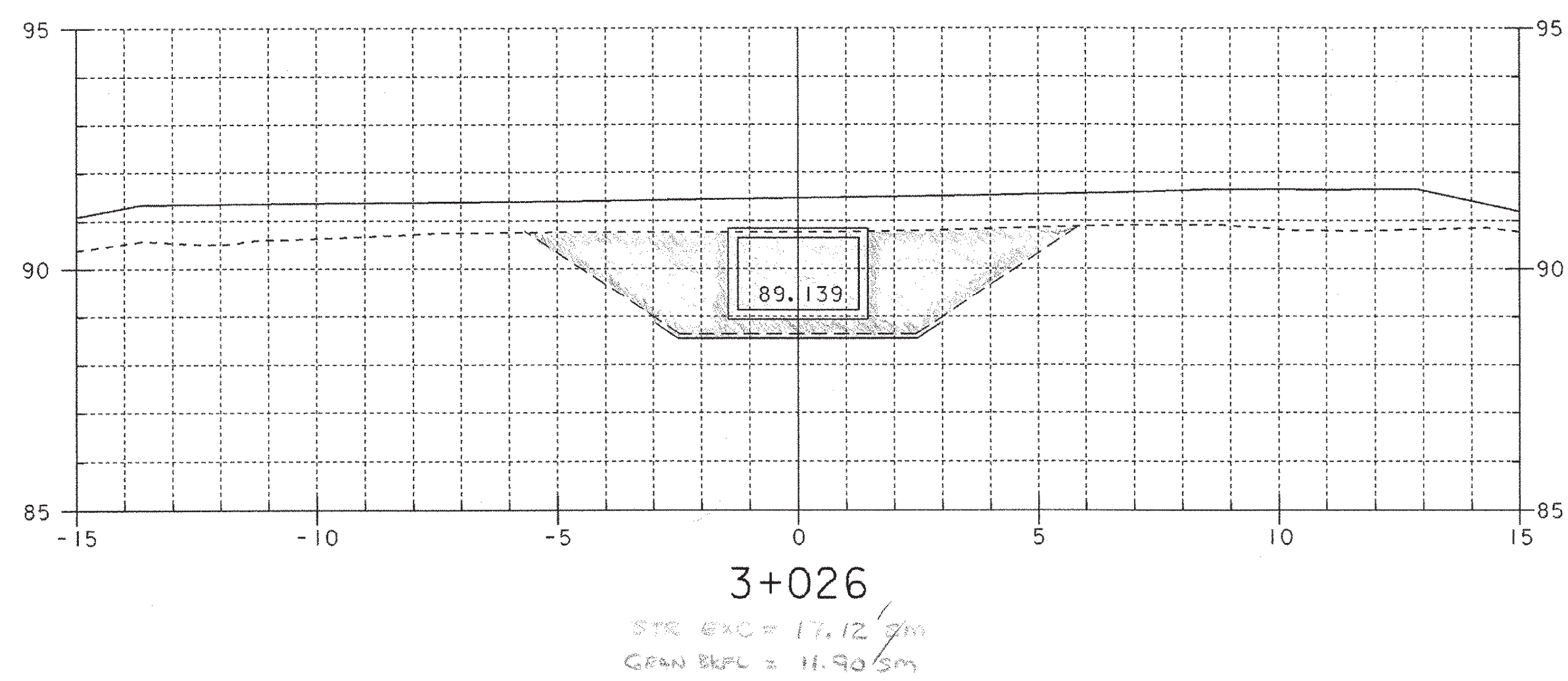
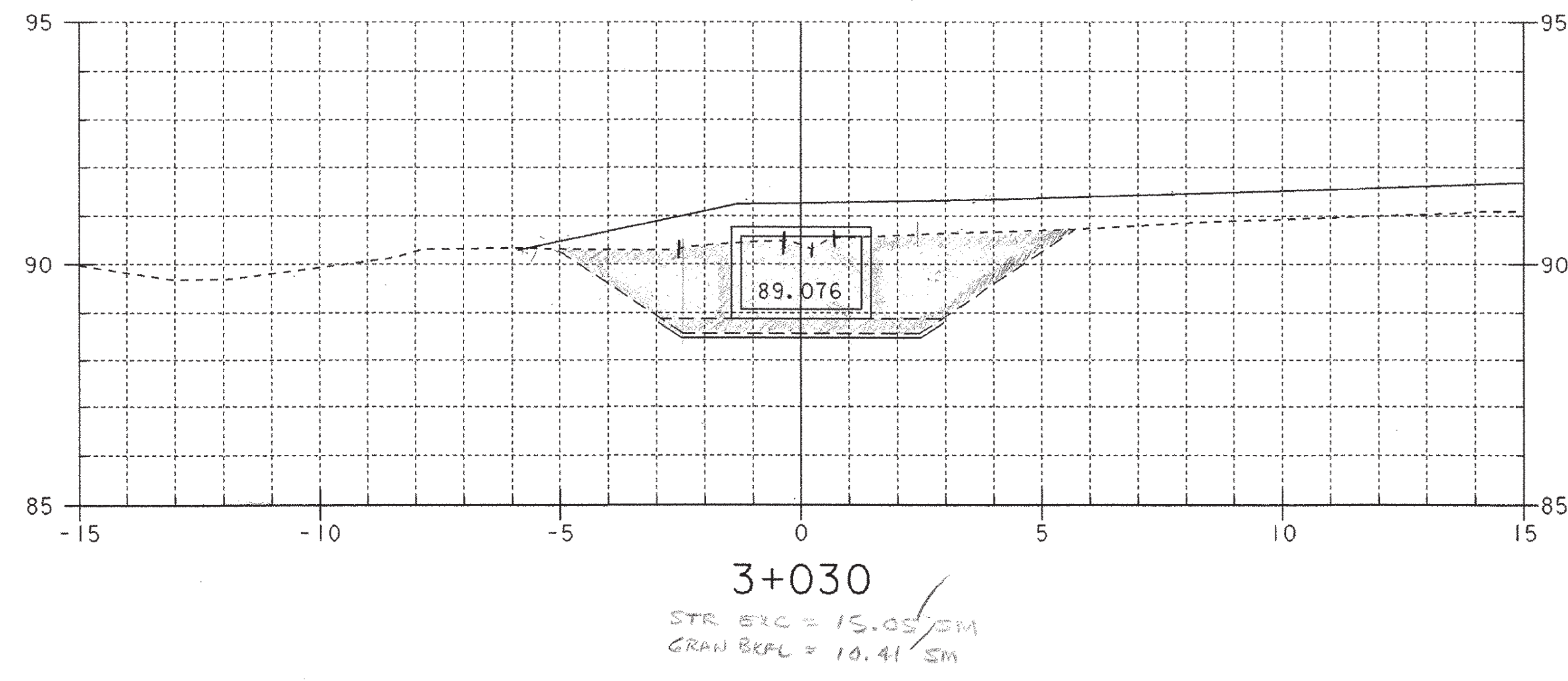
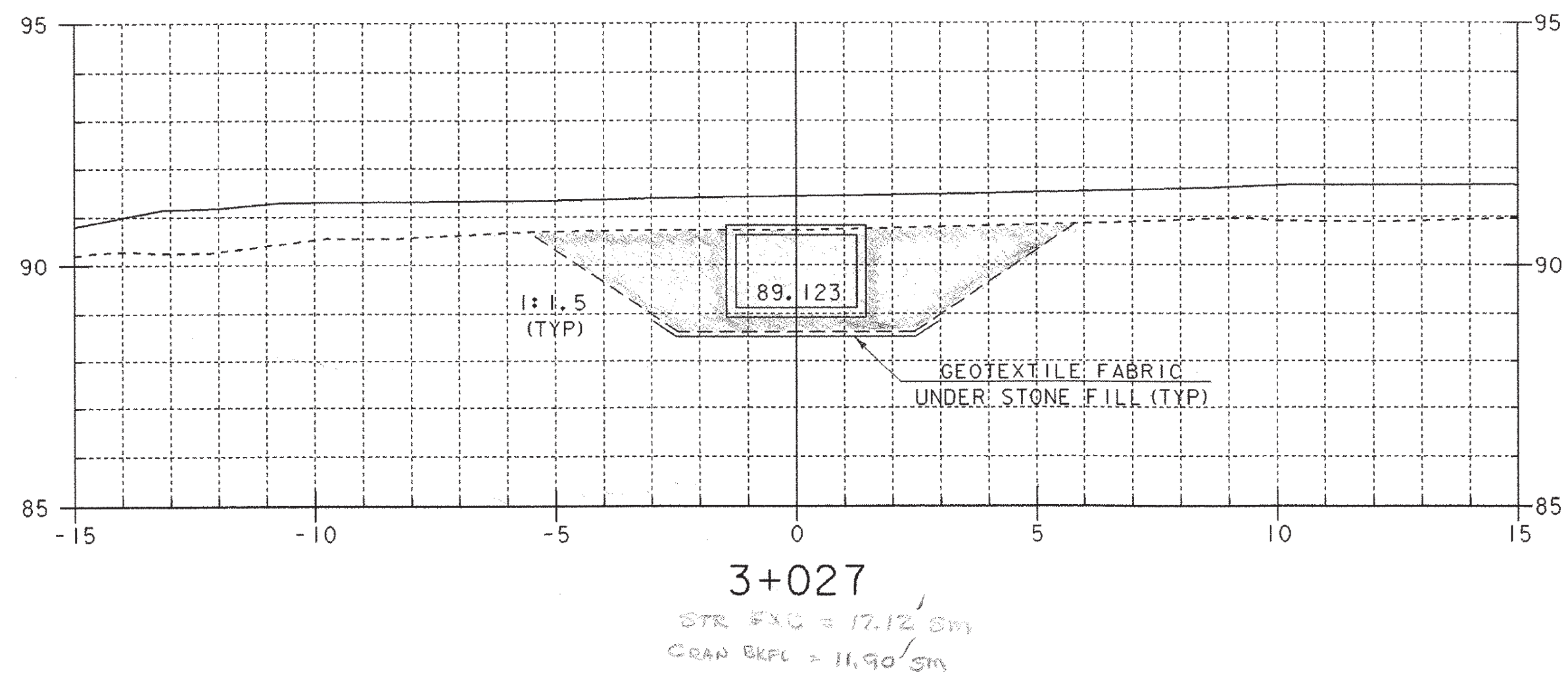
STA. 3+016.400 RT.
 BEGIN UNCLASSIFIED EXCAVATION
 UC EXC = 0.72 SM

✓ by QAD 10-05-04
 ✓ DATE 10/25/04

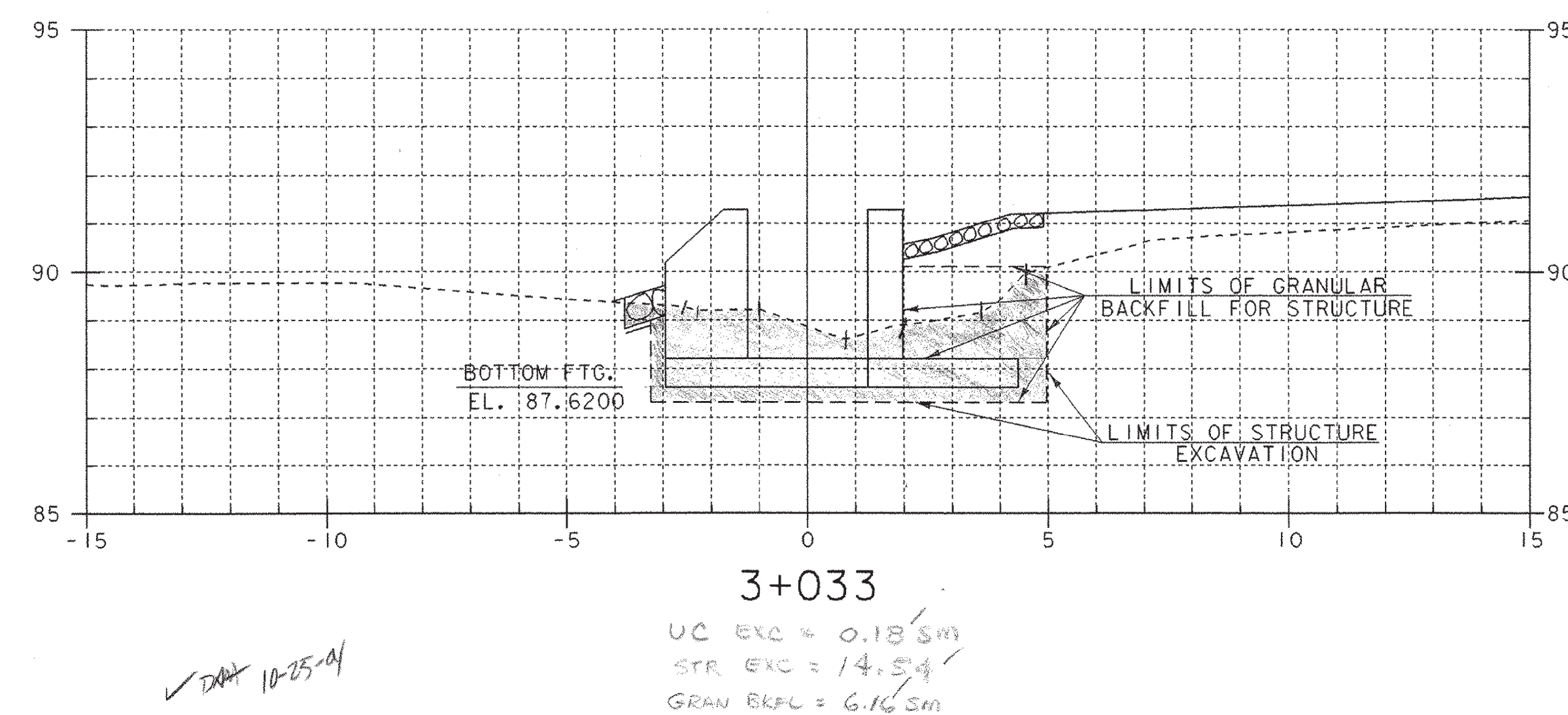
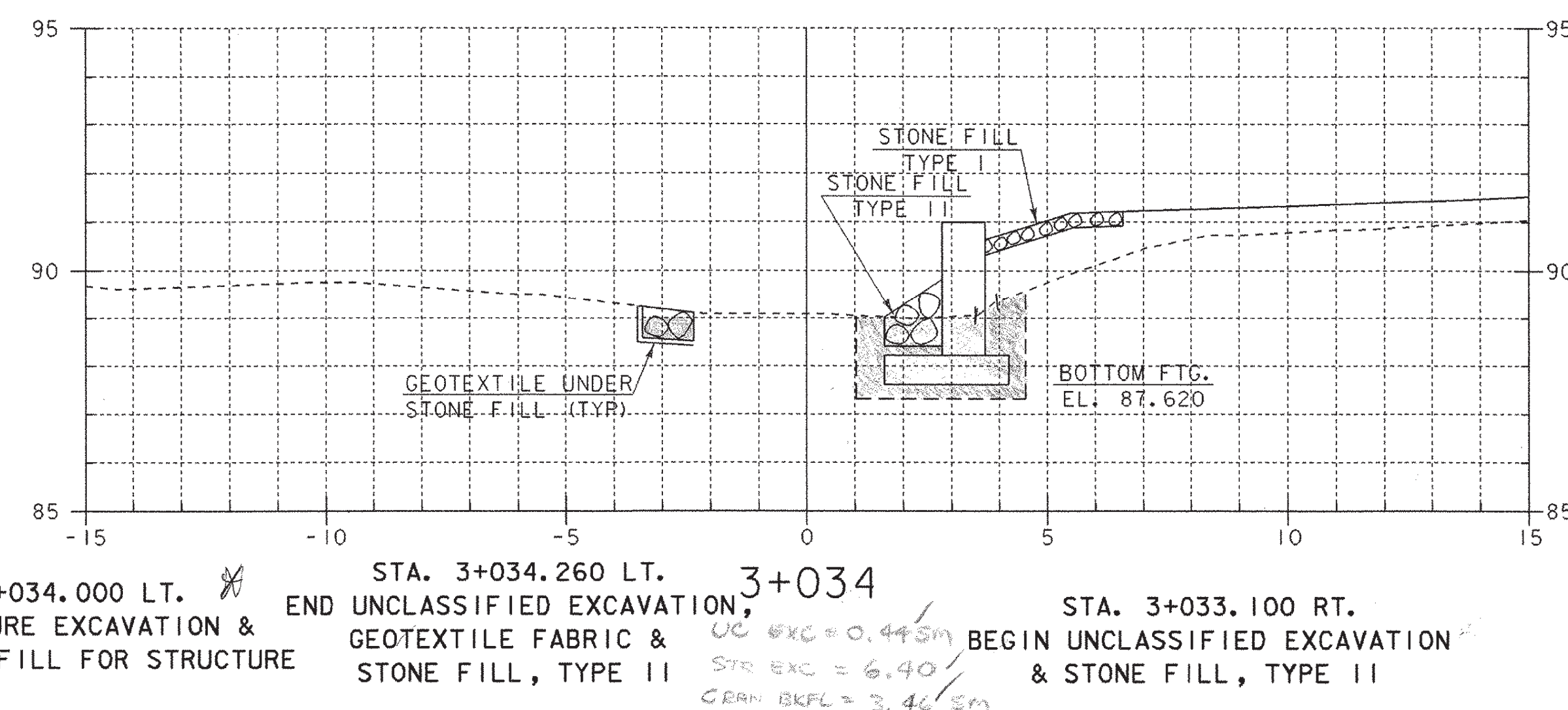
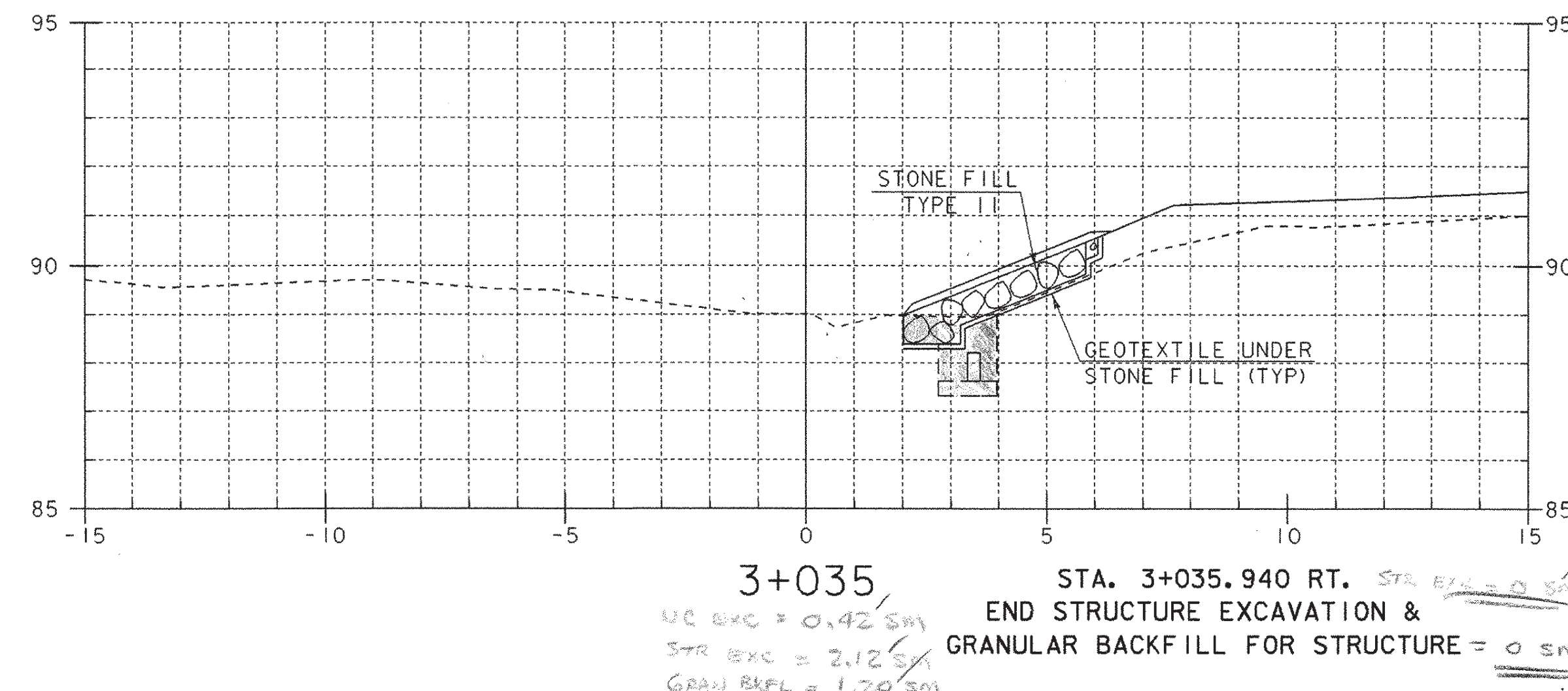
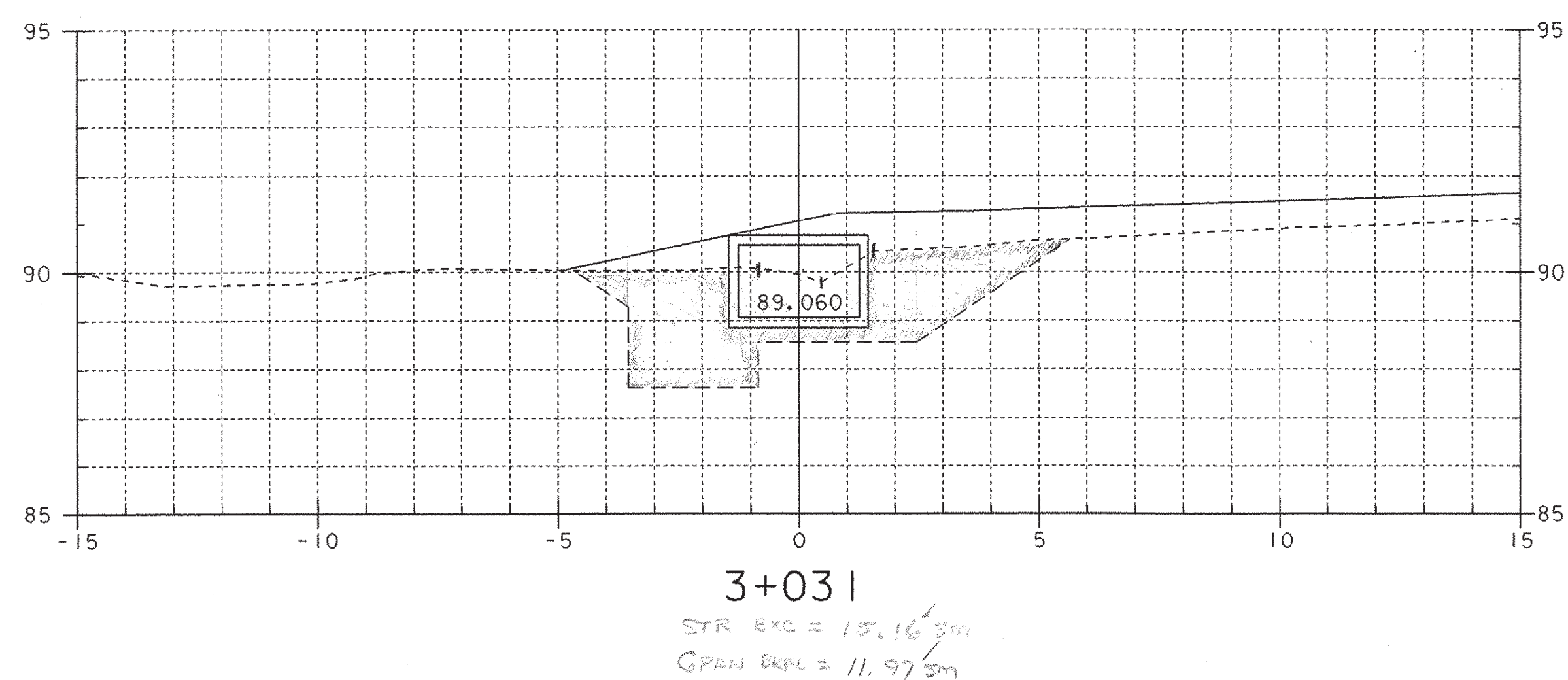
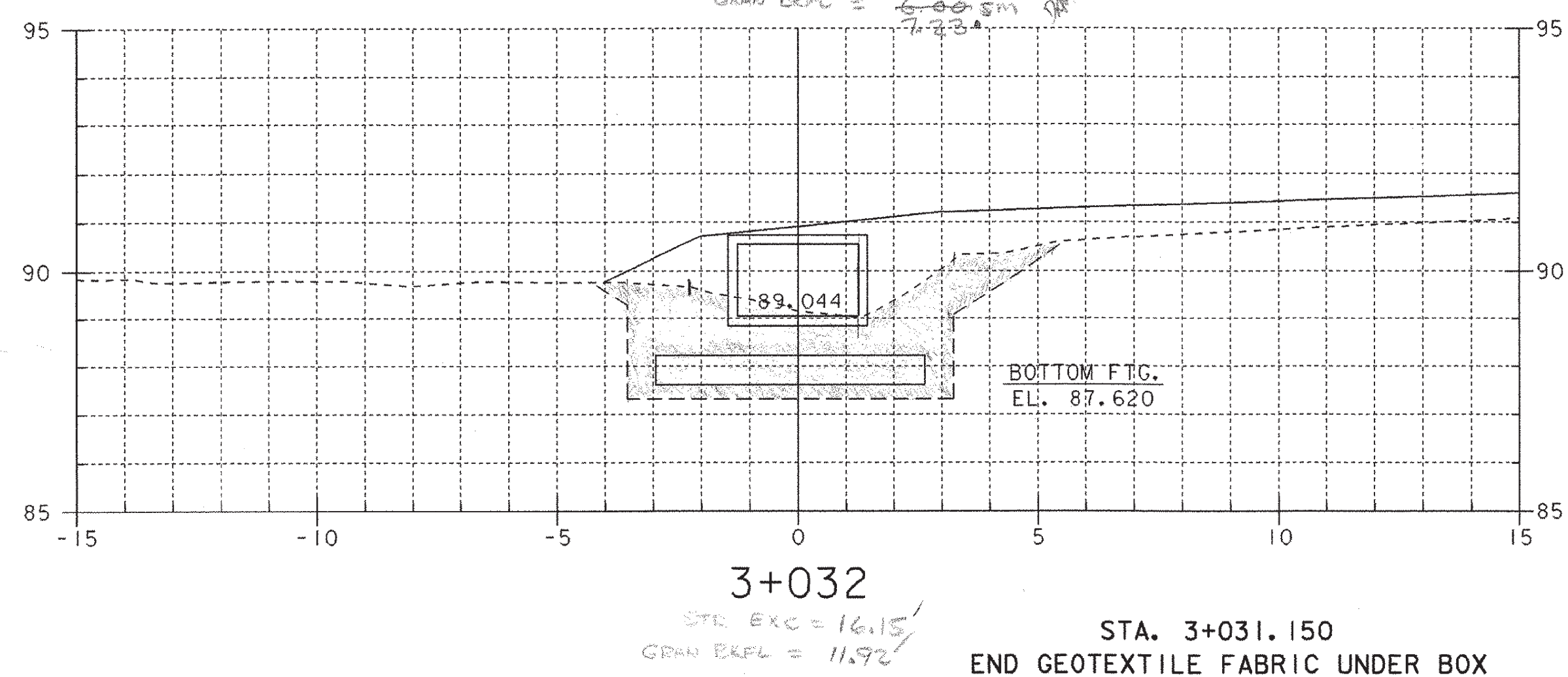
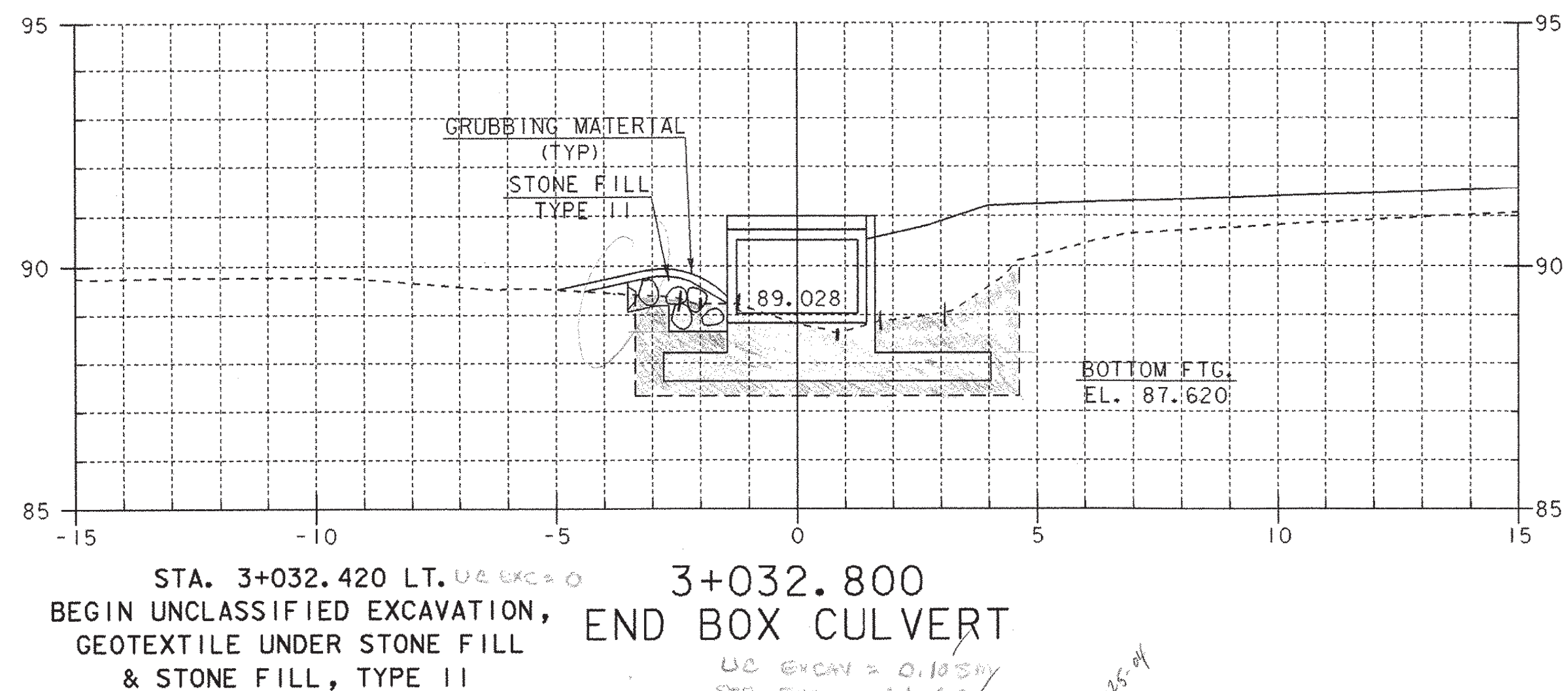
SHEET NAME: BOX CULVERT CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93J021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021b.xlt
BRIDGE SHEET NUMBER:	SHEET 49 OF 53



SHEET NAME: BOX CULVERT CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bx2.j
BRIDGE SHEET NUMBER:	SHEET 50 OF 53

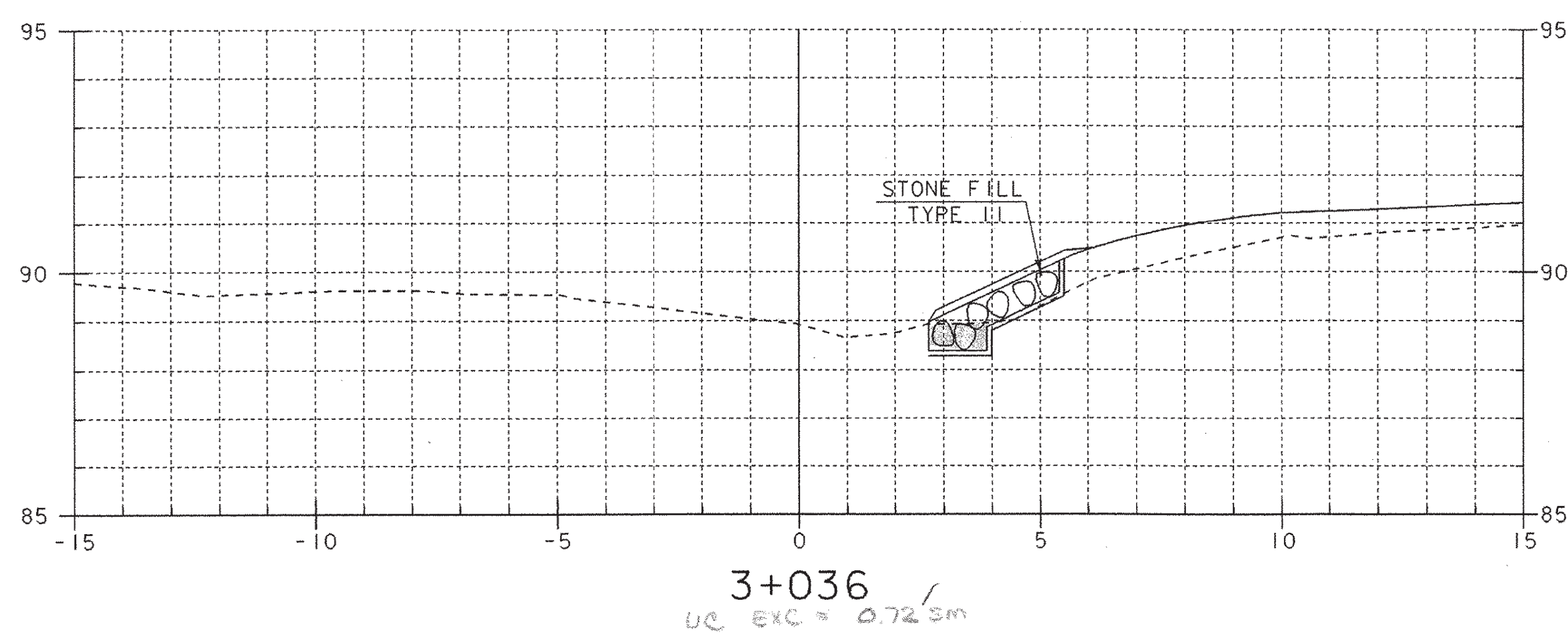
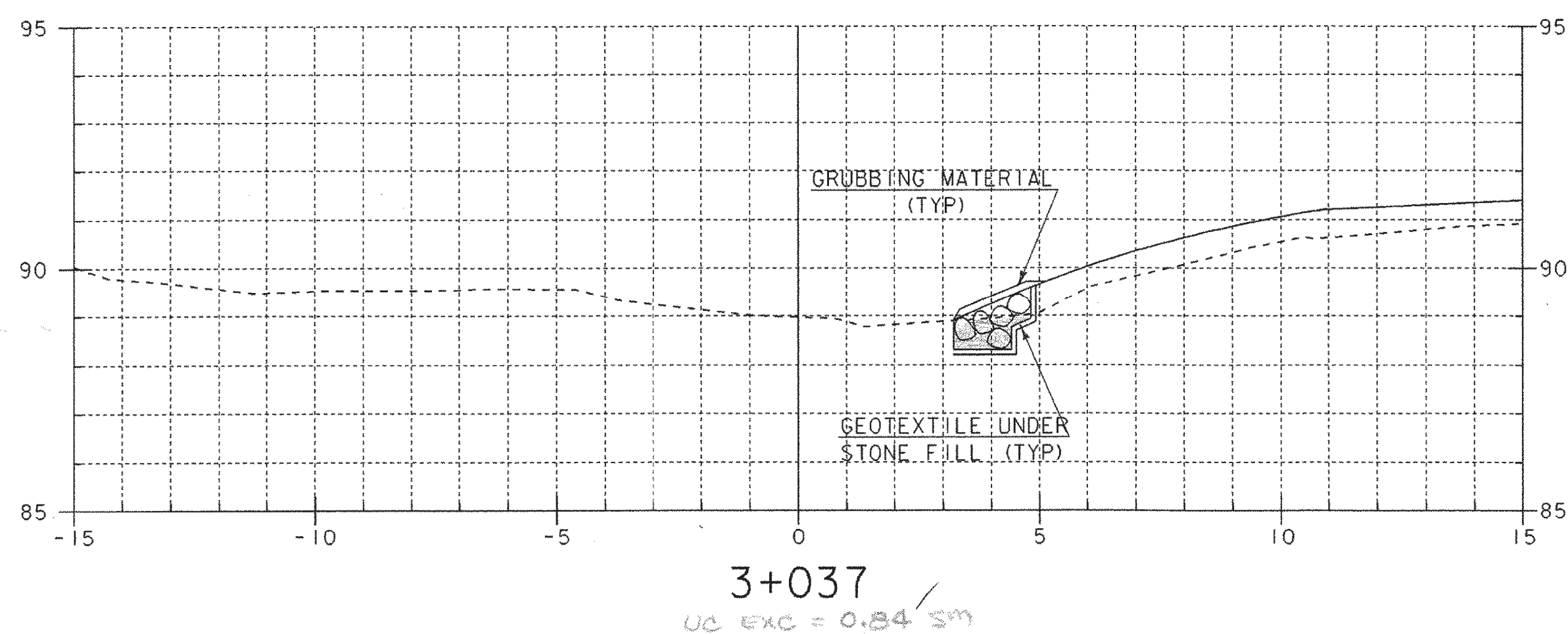


SHEET NAME: BOX CULVERT CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bx3.1
BRIDGE SHEET NUMBER:	SHEET 51 OF 53



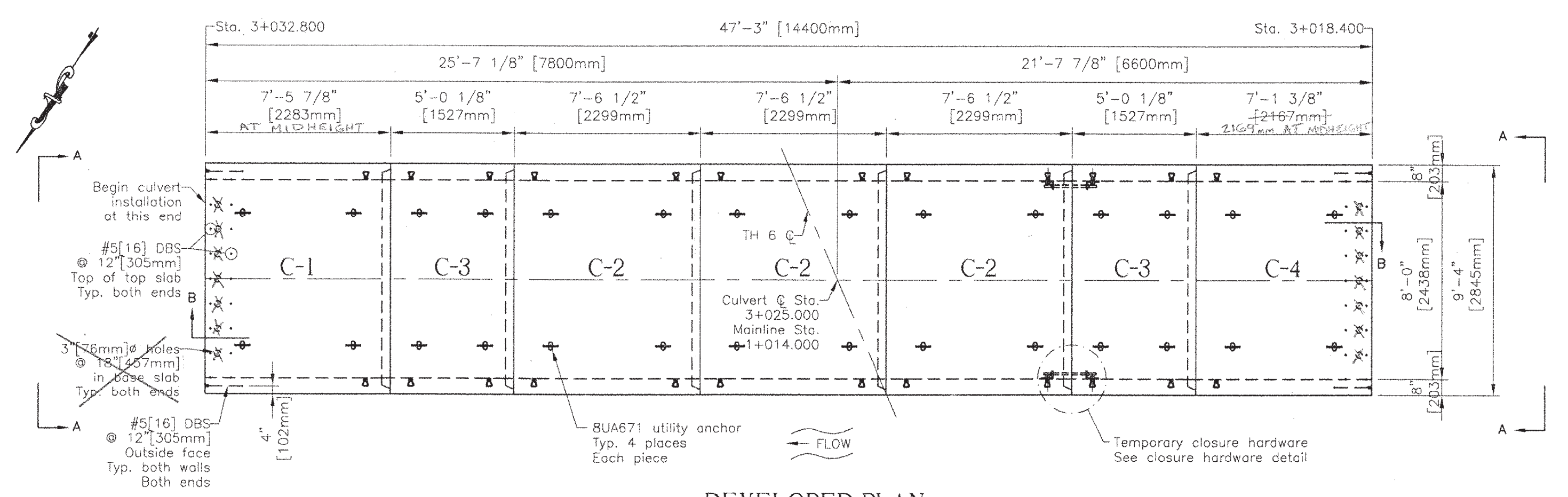
SHEET NAME: BOX CULVERT CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /s/r1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bx4.1
BRIDGE SHEET NUMBER:	SHEET 52 OF 53

STA. 3+037.900 RT.
 END UNCLASSIFIED EXCAVATION, = 0.84 sm.
 GEOTEXTILE UNDER STONE FILL
 & STONE FILL, TYPE II

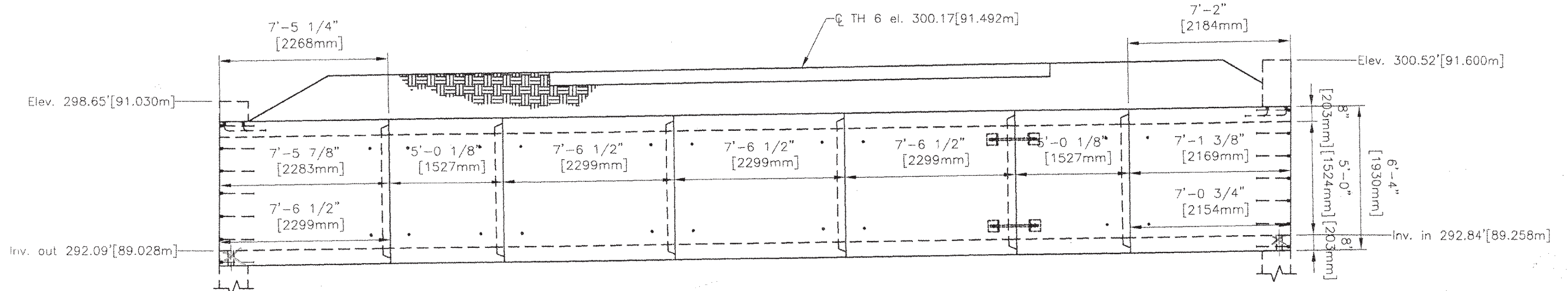


by RAD 10-05-04

SHEET NAME: BOX CULVERT CROSS SECTIONS	
PROJECT NAME: FAIR HAVEN-HAMPTON	HIGHWAY NO.: TH 6
PROJECT NUMBER: BRO 1443(32)	BRIDGE NO.: 6
	OVER: POULTNEY RIVER
FILE NAME: /str1/93j021/sj021xs.dgn	PLOT DATE: 28-JAN-2003
PROJECT MANAGER: G.S. ROGERS	DRAWN BY: STRI
DESIGNED BY: C. MEUNIER	IPARM NAME: sj021bx5.j
BRIDGE SHEET NUMBER:	SHEET 53 OF 53



DEVELOPED PLAN

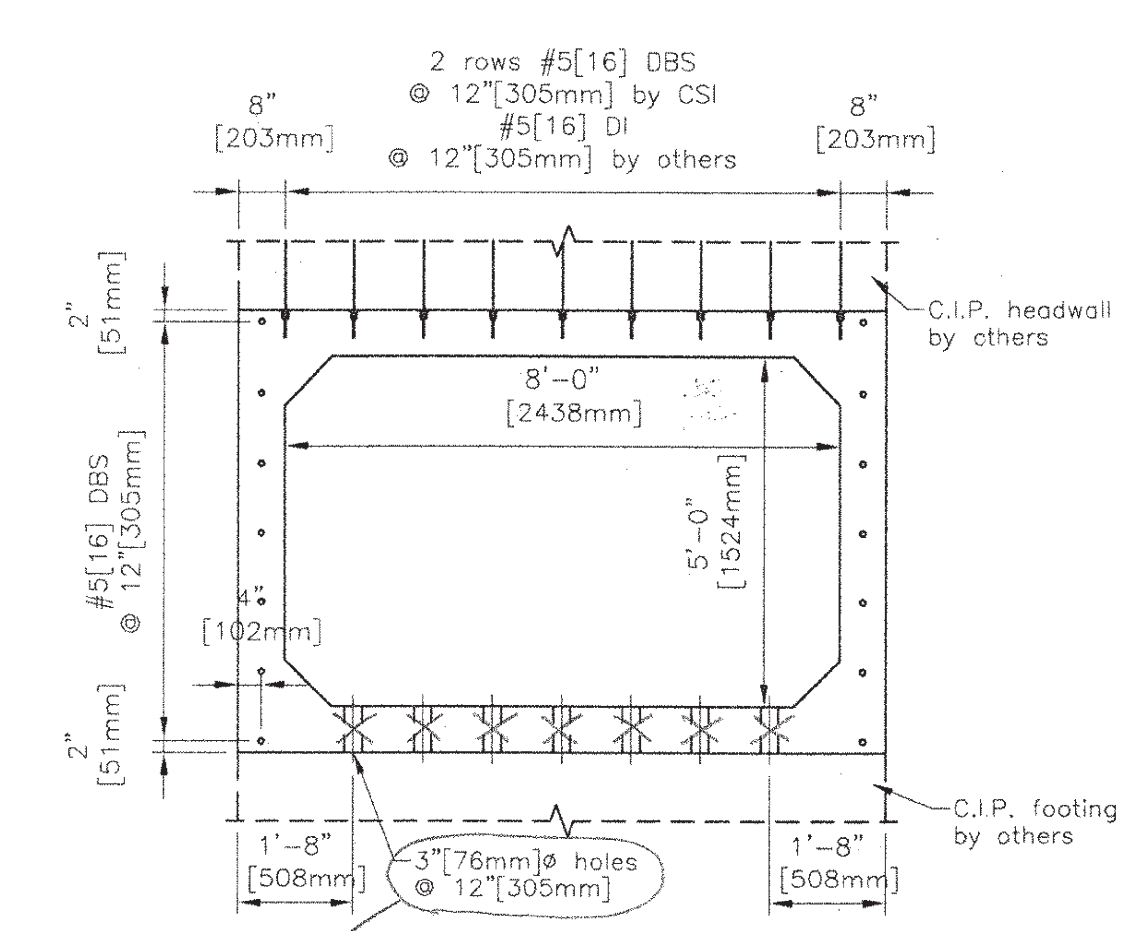


ELEVATION

- GENERAL NOTES:**
- Structure designed and built in accordance with AASHTO "Standard Specifications for Highway Bridges" and ASTM C1433
 - Design Parameters
 - Live load: AASHTO HS25[MS 22.5]
 - Earth Cover: 1' to 2'[0.305 to 0.610m]
 - Concrete: Design strength $f_c = 5000$ psi [34.47MPa]
 - Unit weight = 150 pcf [2403kg/m³]
 - Reinforcing: ASTM A615M (rebar), grade 420
 - ASTM A185 (WWF) $f_y = 60$ ksi [414MPa]
 - Soil: Unit weight = 140 pcf [22kN/m³]
 - Minimum lateral pressure coefficient .25
 - Maximum lateral pressure coefficient .50
 - Cover to reinforcing: 2" [51mm] top of top slab
 - 1 1/2" [38mm] elsewhere
 - Dimensions include a joint gap. Actual culvert piece length is 1/2" [12.5mm] shorter. (i.e. C-2 = 7'-6" [2286mm])
 - No dampproofing supplied by CSI
 - Membrane waterproofing to be supplied and installed by others.
 - Headwalls, wingwalls, and toewalls by contractor.
 - DBS are Dowel Bar Splicers and are supplied by CSI. DI are Dowel Ins and are supplied by others. Dowel Ins are manufactured by Dayton Richmond Concrete Accessories.

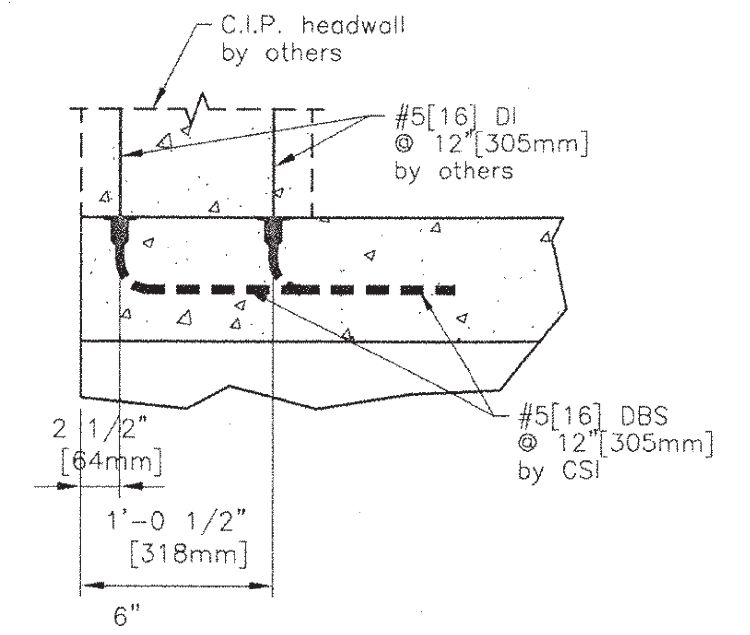
PIECE SCHEDULE (MX-CE5000SM)				
MARK	QTY	LENGTH	YDS	WEIGHT
C-1	1	7.46	5.53	11.20 TONS
C-2	3	7.5	5.56	11.26 TONS
C-3	2	4.96	3.68	7.44 TONS
C-4	1	7.13	5.28	10.70 TONS

SHOW METRIC QUANTITIES.



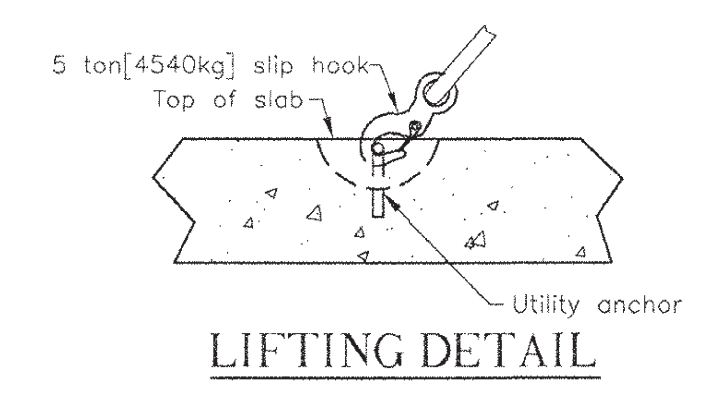
ELEVATION A-A

delete

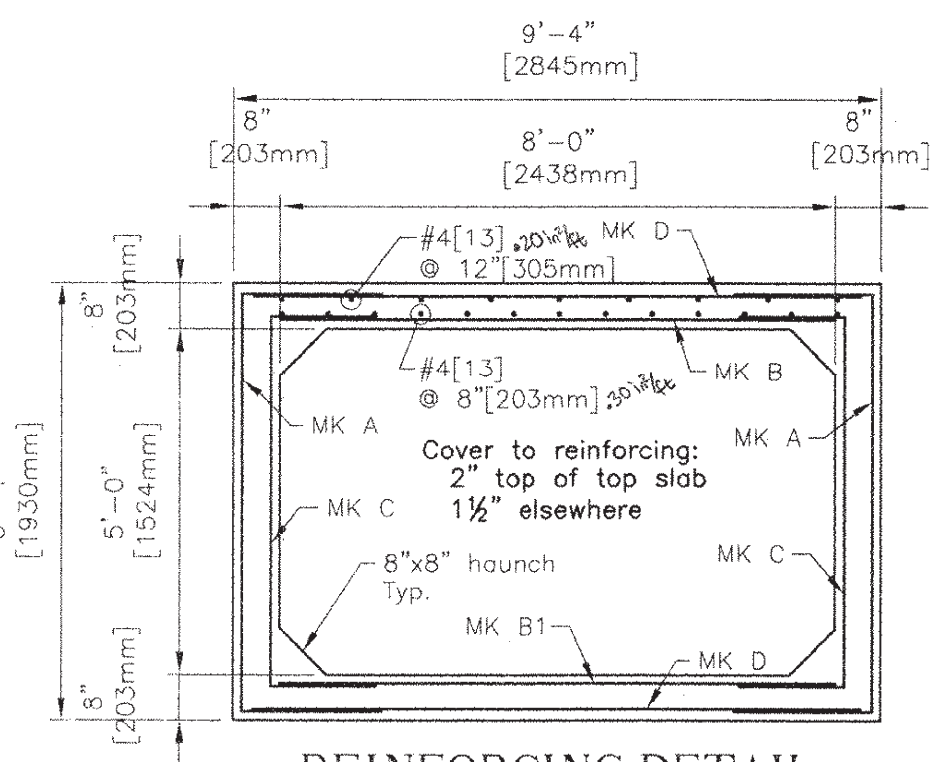


SECTION B

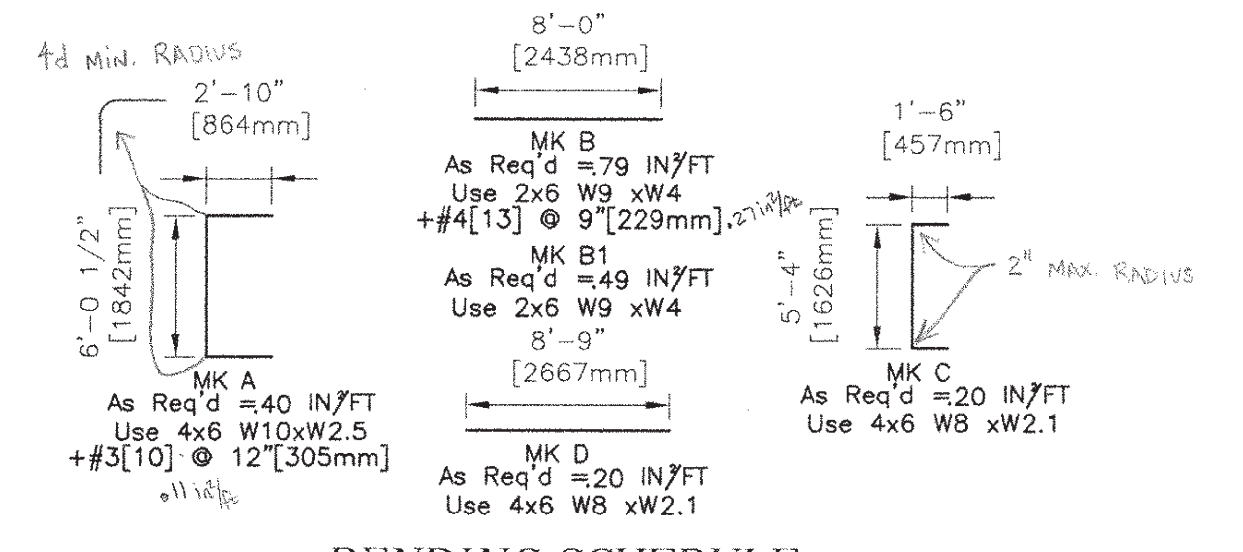
delete this detail



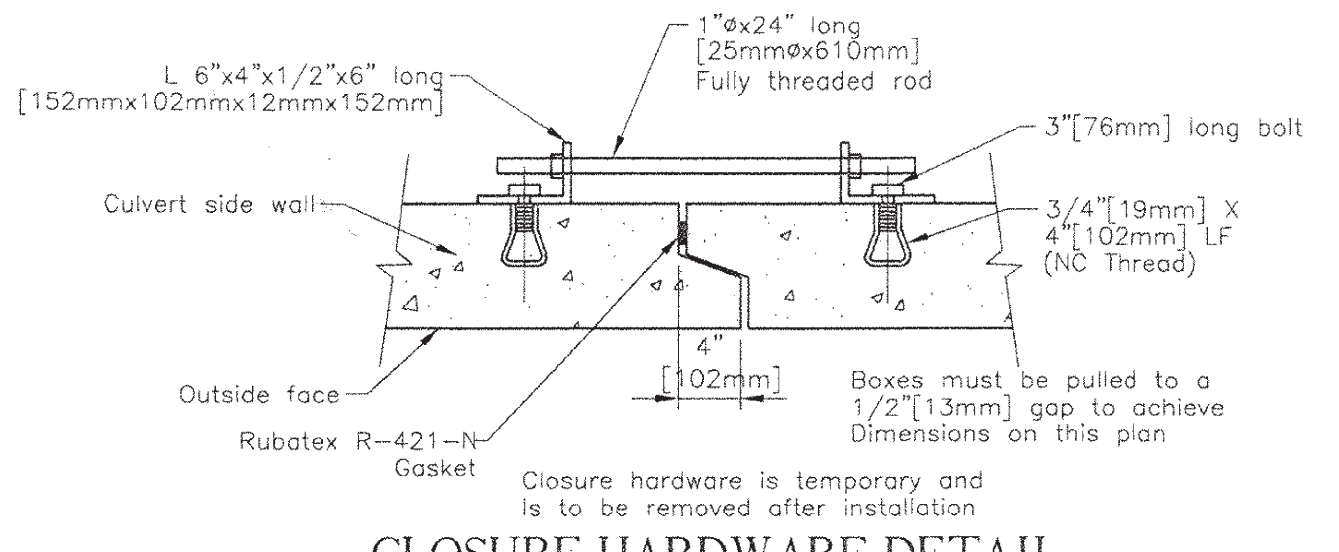
LIFTING DETAIL



REINFORCING DETAIL



BENDING SCHEDULE



CLOSURE HARDWARE DETAIL

Structures

Rev.	Date	Description	By
5			
4			
3			
2			
1			

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: VT Agency of Transportation Project #: BRO 1443(32)
 Drawings: Fair Haven - Hampton Proj. No. BRO 1443(32) (Bottom cut off of drawings)
 Sheet 19 of 53, Box Plan and Elevation Sheet, and Precast Box Details Sheet
 Specifications: N/A

Other:

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.

This drawing contains information proprietary to CONCRETE SYSTEMS, INC. This drawing is disclosed with the understanding that it will be retained in confidence and its use limited solely to the purpose for which it is disclosed. It is understood that no reproduction of this drawing is authorized without permission from CONCRETE SYSTEMS, INC. and that it will be returned to CONCRETE SYSTEMS, INC. upon demand.

STATE AGENCY: VERMONT AGENCY OF TRANSPORTATION

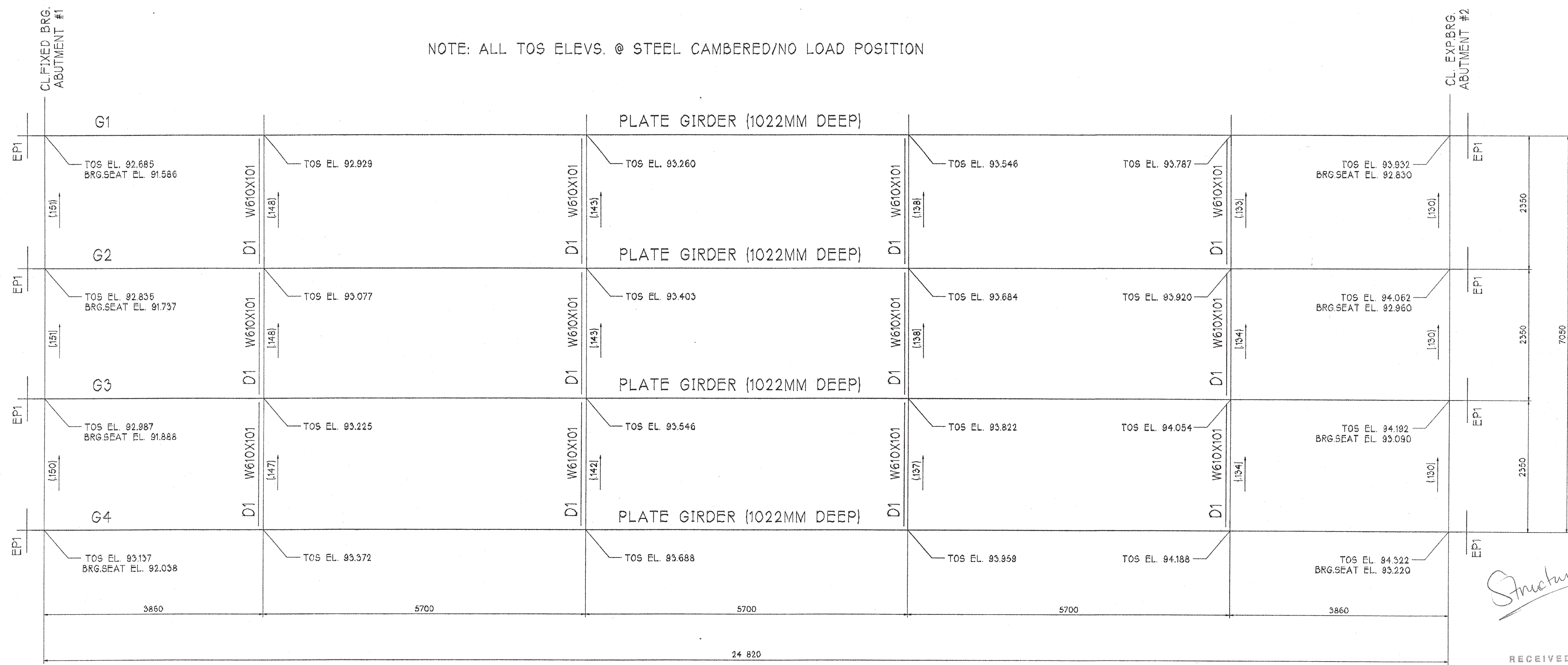
CSI Concrete Systems Inc. 14 Park Avenue, Hudson, NH 03051
 Phone 1-603-885-4153 Fax 1-603-889-2417

AUSTIN CONSTRUCTION
 FAIR HAVEN - HAMPTON BRIDGE REPLACEMENT
 FAIR NEW HAVEN, VT

PRECAST CULVERT LAYOUT

Drawn By: M. SCOTT	Date: 03/07/2003	Project No.: BRO 1443(32)	Drawing No.: C16174-L01	REV: 0
Checked By: C. VICK	Date: 03/25/2003	Bridge No.: 6	SHEET: 1 OF 1	

NOTE: ALL TOS ELEV. @ STEEL CAMBERED/NO LOAD POSITION

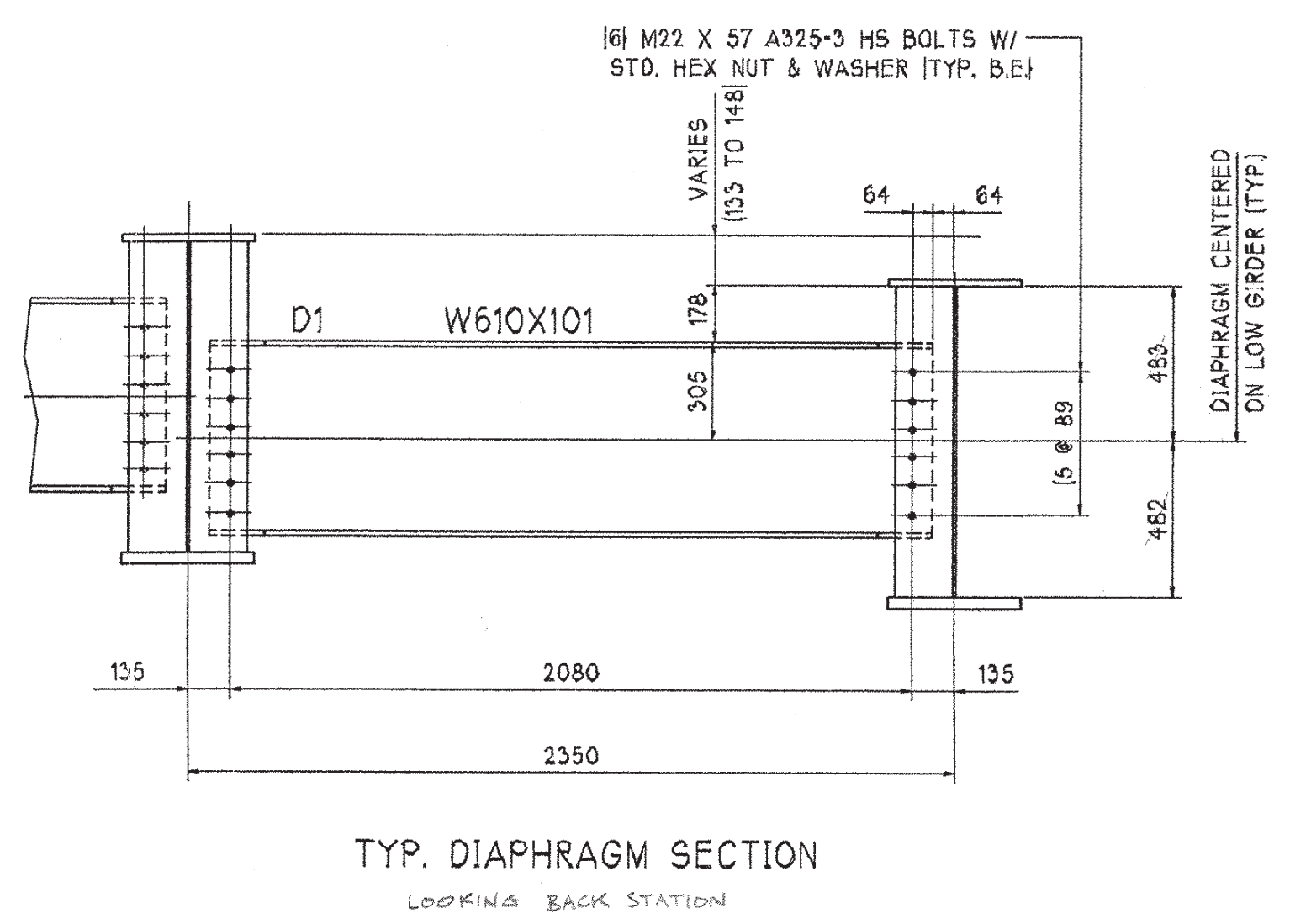
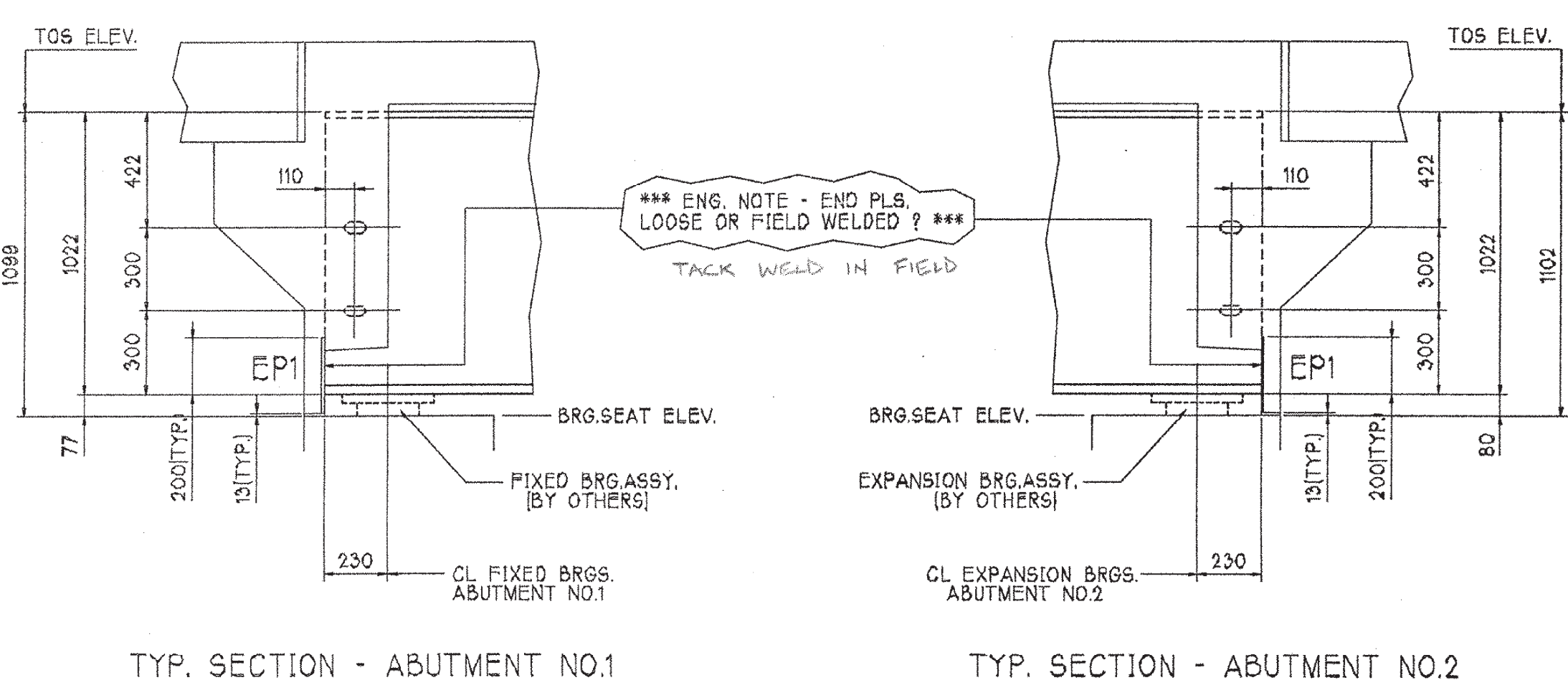


Structural

RECEIVED
 CK'D BY *ML* OK'D BY *Chn*
 APR 14 2003
 RESUBMIT _____ APPROVED *AS NOTED*
 BY *GJR* DATE *4/15/03*

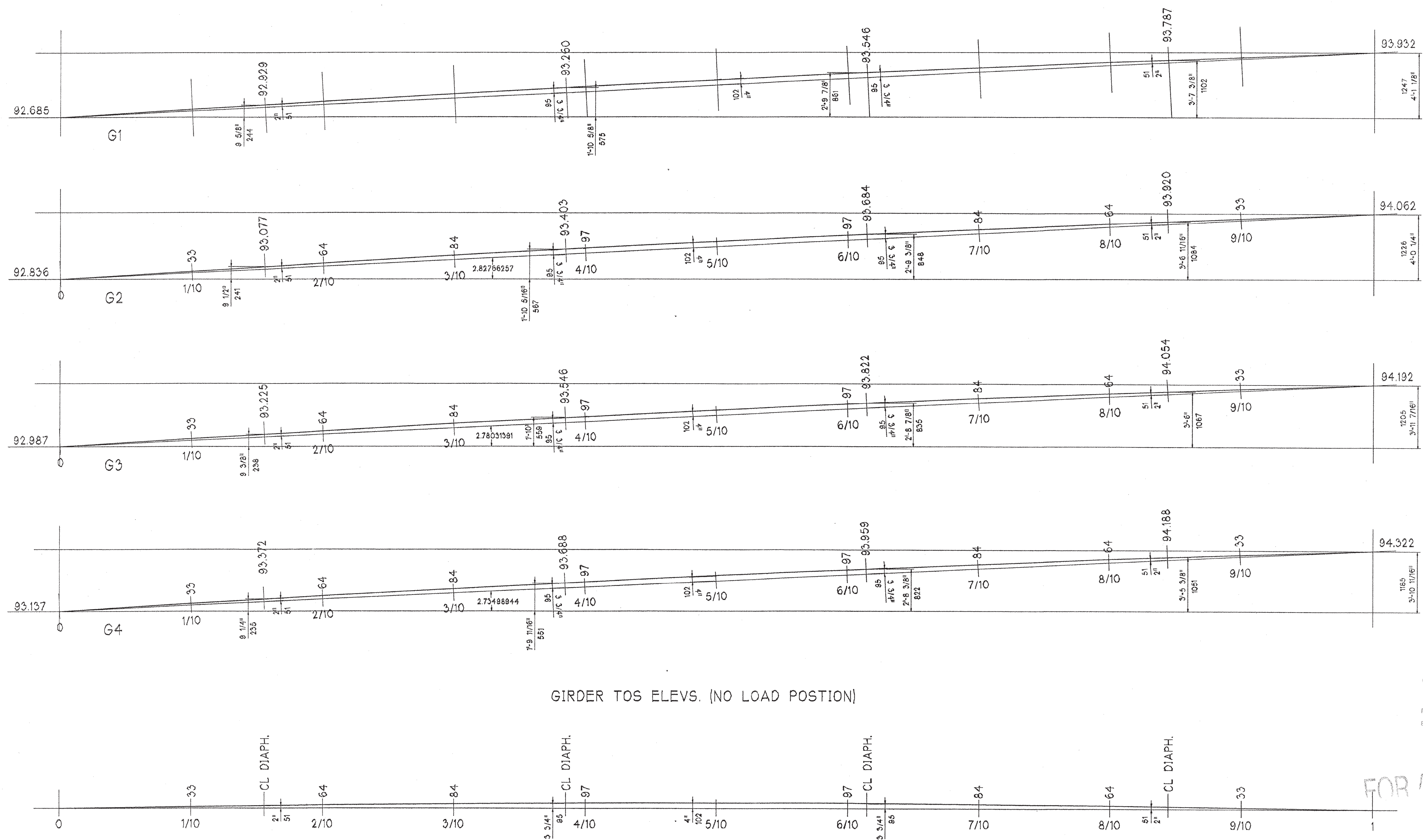
ERECTION FRAMING PLAN
 NOT TO SCALE
 (BEARINGS/ANCHORS BY OTHERS)

FOR APPROVAL



(XXX) : DESIGNATES TOS ELEV. DIFFERENTIAL & DIRECTION OF DOWNWARD SLOPE

ITEM NO.	506.55	BR. NO.	6	PROJ. NO.	BRO 1443(32)
TITLE: STRUCTURAL STEEL ERECTION PLAN					
APPROVED:	 STRUCTURAL STEEL FABRICATORS MAJOR STEEL BRIDGES PLAINVILLE, CT 860-747-3700				
PRINT DIST.					
6 3/25/03 APPR.					
ORIG. FAB.					
JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK					
CUSTOMER: AUSTIN CONSTRUCTION, INC.					
DESIGNER: VERMONT AGENCY OF TRANSPORTATION					
WORK ORDER NO.				DRAWING NO.	
15948				E1	
CHECKED	DS/NEC	3/24/03			
DRAWN	RAB/NEC	3/12/03			

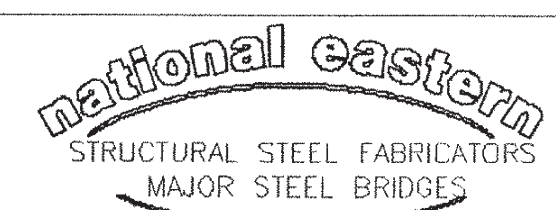


GIRDER TOS ELEV. (NO LOAD POSITION)

RECEIVED
 OK'D BY: *CH* OK'D BY: *CA*
 APR 14 2003
 RESUBMIT: _____ APPROVED:
 BY: *GSR* DATE: *4/15/03*

FOR APPROVAL

NOTE: ALL TOS ELEV. @ STEEL NO LOAD POSITION

ITEM NO.	506.55	BR. NO.	6	PROJ. NO.	BRO 1443(32)
TITLE: STRUCTURAL STEEL - TOS ELEV. WORK SHEET					
APPROVED:	 STRUCTURAL STEEL FABRICATORS MAJOR STEEL BRIDGES PLAINVILLE, CT 860-747-3700				
PRINT DIST.					
6 3/25/03 APPR.					
ORIG. FAB.					
JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK					
CUSTOMER: AUSTIN CONSTRUCTION, INC.					
DESIGNER: VERMONT AGENCY OF TRANSPORTATION					
CHECKED	DS/NEC	3/24/03	WORK ORDER NO.	DRAWING NO.	REV.
DRAWN	RAB/NEC	3/13/03	15948	W1	

GENERAL SHOP NOTES

SPECIFICATIONS:

1. ALL MATERIALS & WORKMANSHIP TO BE IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SIXTEENTH EDITION, AND ITS LATEST REVISIONS.

MATERIALS:

1. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TO BE AASHTO M270, GR. 345W. STEEL NOTED T2 SHALL MEET CVN TESTING REQUIREMENTS PER VERMONT AOT SPECIFICATIONS.
2. HIGH STRENGTH BOLTS TO BE ASTM A325, TYPE 3 (WEATHERING), WITH STD. HEAVY HEX NUTS & HARDENED FLAT WASHERS. ALL H.S. BOLTS TO BE ROTATIONAL CAPACITY TESTED.

SHOP PROCEDURES:

1. ALL RE-ENTRANT CUTS TO HAVE A 50 mm MIN. RADIUS.
2. CAMBER TOLERANCE: -0 TO +20 mm.

WELDING:

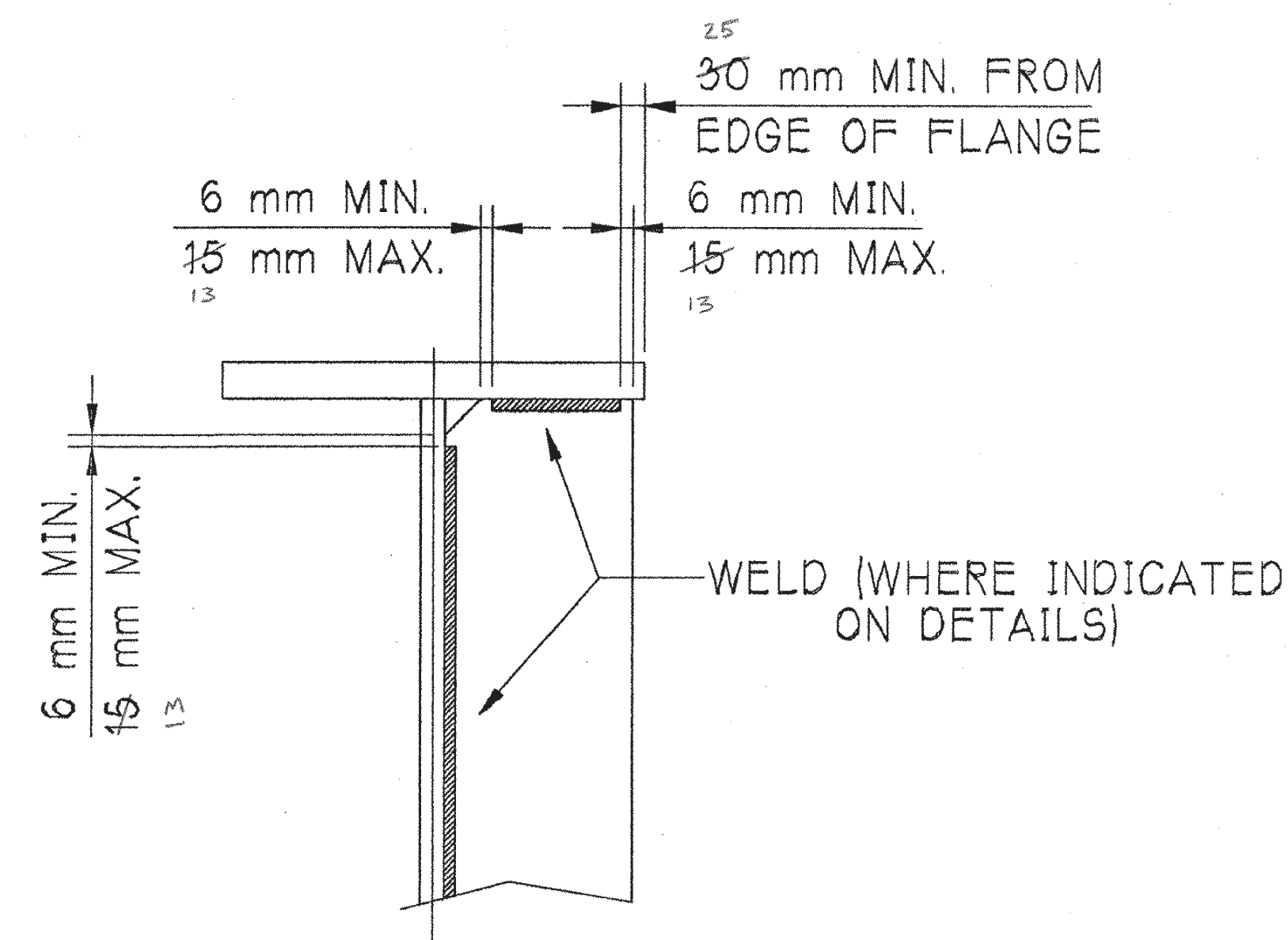
1. ALL WELDING TO BE IN ACCORDANCE WITH AASHTO/AWS D1.5-95 BRIDGE WELDING CODE, AS AMENDED BY VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS, DATED 2001, SECTION 506.10.
2. STIFFENER AND/OR CONNECTION PLATE WELDS SHALL BE TERMINATED AS INDICATED IN "TYPICAL FILLET WELD TERMINATION DETAIL".

NON-DESTRUCTIVE TESTING:

1. ALL GIRDER WEB TO FLANGE FILLET WELDS TO BE INSPECTED BY THE MAGNETIC PARTICLE METHOD. TEST 300 mm OF EACH 3000 mm OF ALL WEB TO FLANGE WELDS AS NOTED ON DETAILS.
2. ALL GIRDER CONNECTION STIFFENER FILLET WELDS TO BE INSPECTED BY THE MAGNETIC PARTICLE METHOD. TEST 300 mm OF EACH 3000 mm OF ALL STIFFENER WELDS AS NOTED ON DETAILS.
3. MULTIPLE PASS FILLET WELDS, INSPECTED BY THE MAGNETIC PARTICLE METHOD, SHALL HAVE EACH PASS OR LAYER INSPECTED AND ACCEPTED BEFORE PROCEEDING TO THE NEXT PASS OR LAYER.

CLEANING:

1. ALL STRUCTURAL STEEL TO BE UNPAINTED & CLEANED FOR WEATHERING, PER VERMONT AOT STANDARD SPECIFICATIONS.
2. ALL STRUCTURAL STEEL TO BE BLAST-CLEANED FOR WEATHERING TO SPPC-SPI0. BLAST CLEANING MAY BE PERFORMED EITHER BEFORE OR AFTER FABRICATION.

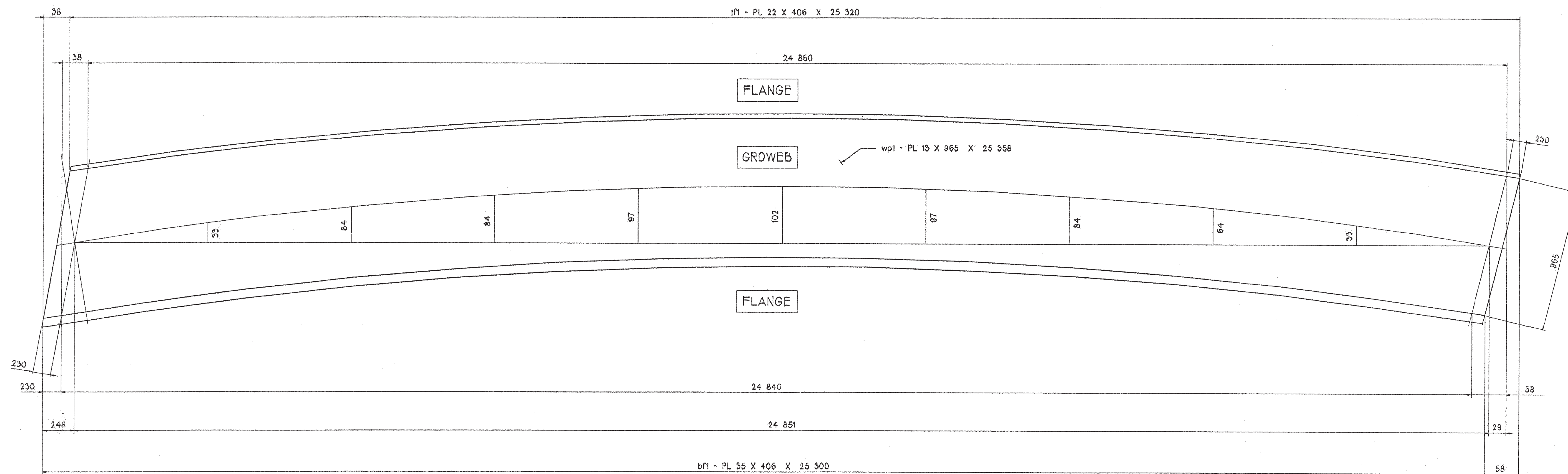


TYP. FILLET WELD TERMINATION DETAIL

RECEIVED
 OK'D BY *AM* OK'D BY *CA*
 MAR 25 2003
 RESUBMIT _____ APPROVED *As noted*
 BY *CSR* DATE *4/15/03*

FOR APPROVAL

ITEM NO. 506.55	BR. NO. 6	PROJ. NO. BRO 1443(32)
TITLE: GENERAL NOTES		
APPROVED:		 national eastern STRUCTURAL STEEL FABRICATORS MAJOR STEEL BRIDGES
6	3/25/03 APPR.	
ORIG.	FAB.	
PLAINVILLE, CT		860-747-3709
JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK		
CUSTOMER: AUSTIN CONSTRUCTION, INC.		
DESIGNER: VERMONT AGENCY OF TRANSPORTATION		
CHECKED DS/NEC 3/24/03	WORK ORDER NO. 15948	DRAWING NO. GN1
DRAWN RAB/NEC 3/18/03		REV.



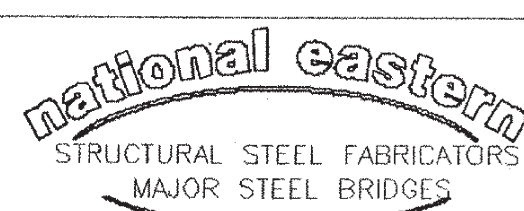
CAMBER DIAGRAM - G1 THRU G4

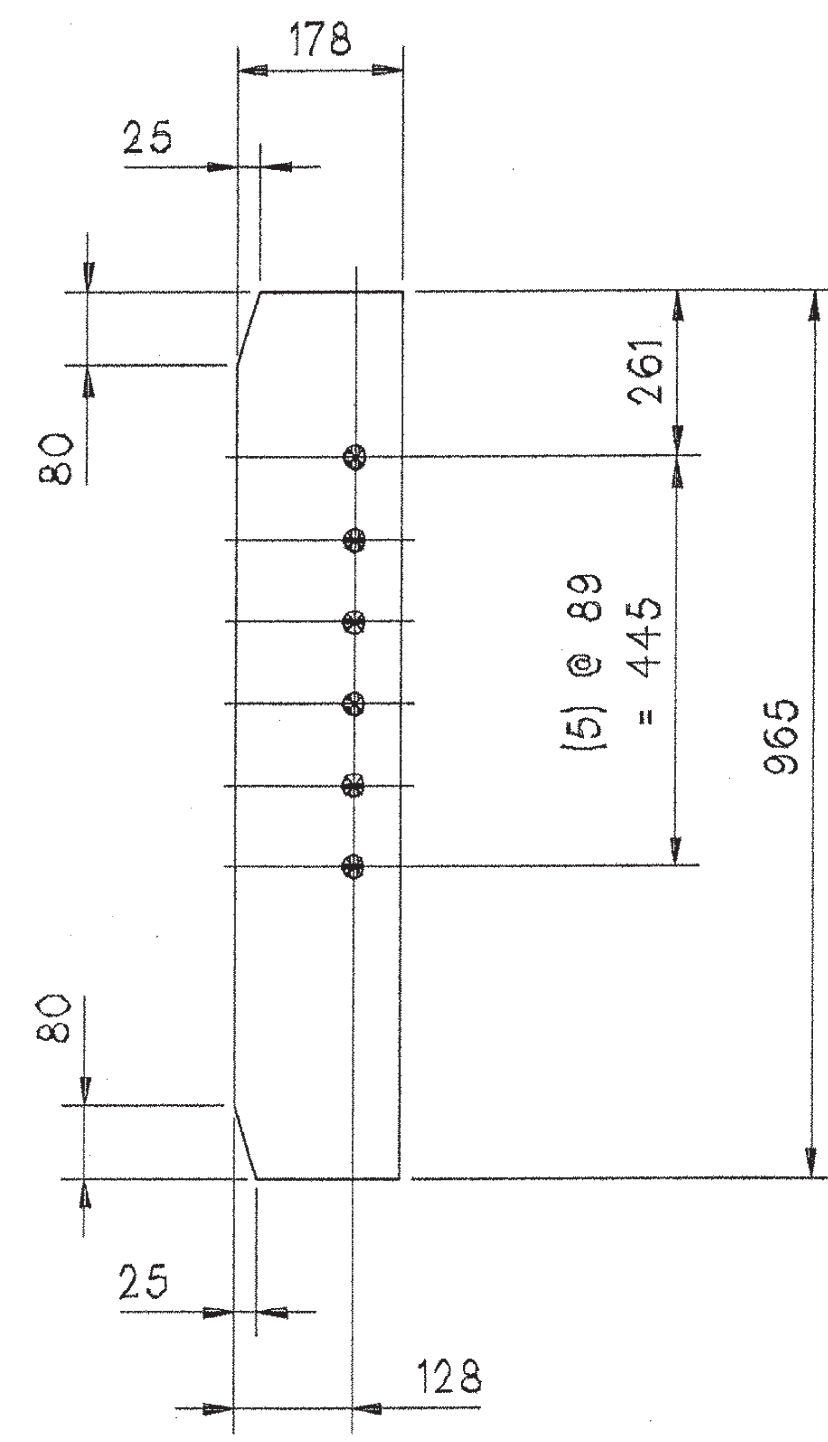
GIRDER

ALL WEBS/FLANGES AASHTO M270, GR. 345W, T2

RECEIVED
 OK'D BY *[Signature]* OK'D BY *[Signature]*
 MAR 25 2003
 RESUBMIT _____ APPROVED
 BY GSR DATE 4/15/03

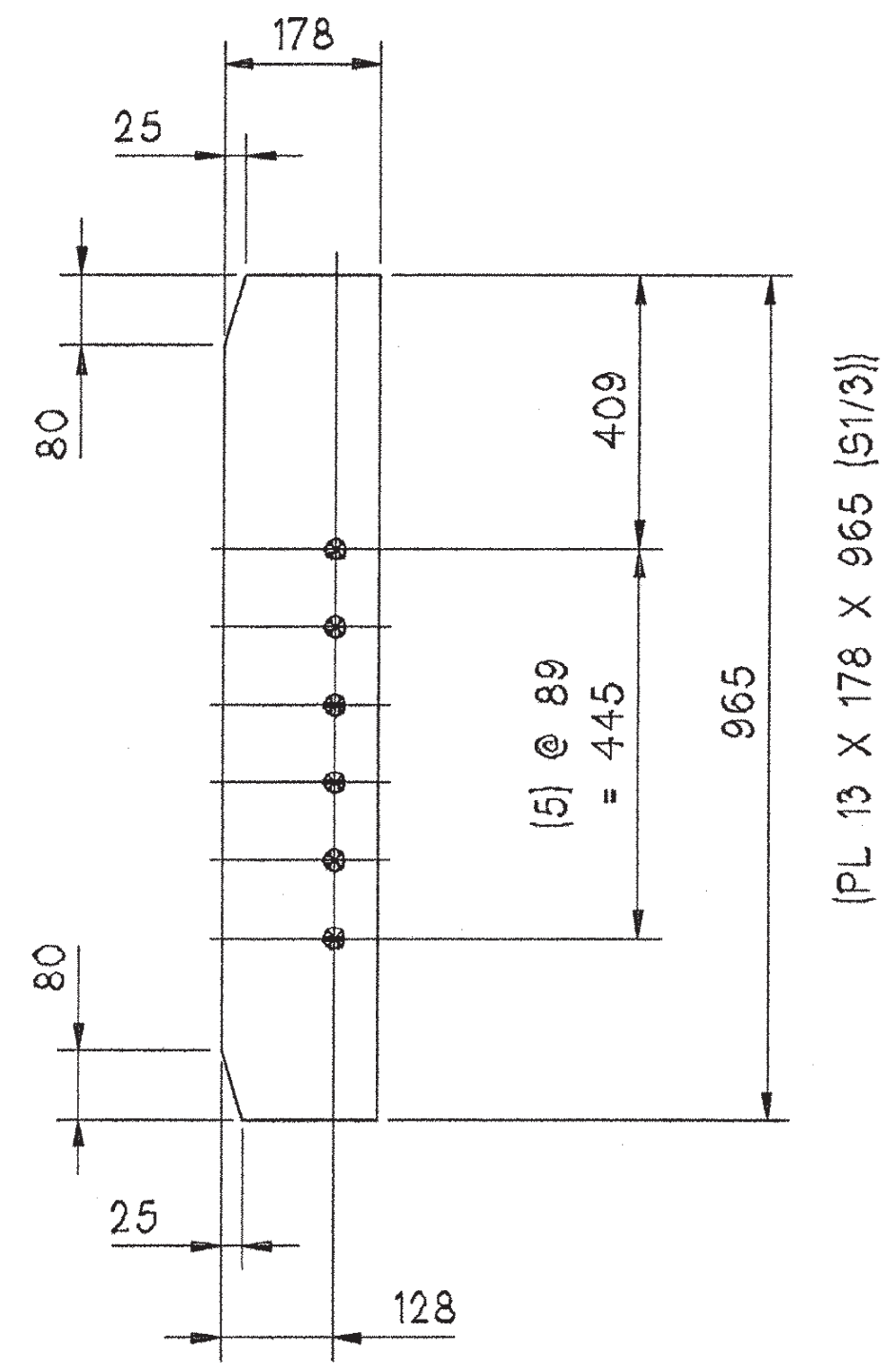
FOR APPROVAL

ITEM NO.	506.55	BR. NO.	6	PROJ. NO.	BRO 1443[32]
TITLE: CAMBER DIAGRAMS					
APPROVED:			 STRUCTURAL STEEL FABRICATORS MAJOR STEEL BRIDGES PLAINVILLE, CT 860-747-3700		
PRINT DIST.					
6	3/25/03	APPR.	JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK		
ORIG.		FAB.			
CUSTOMER: AUSTIN CONSTRUCTION, INC.			DESIGNER: VERMONT AGENCY OF TRANSPORTATION WORK ORDER NO. 15948 DRAWING NO. 10-1 REV.		
DRAWN: RAB/NEC 3/13/03					



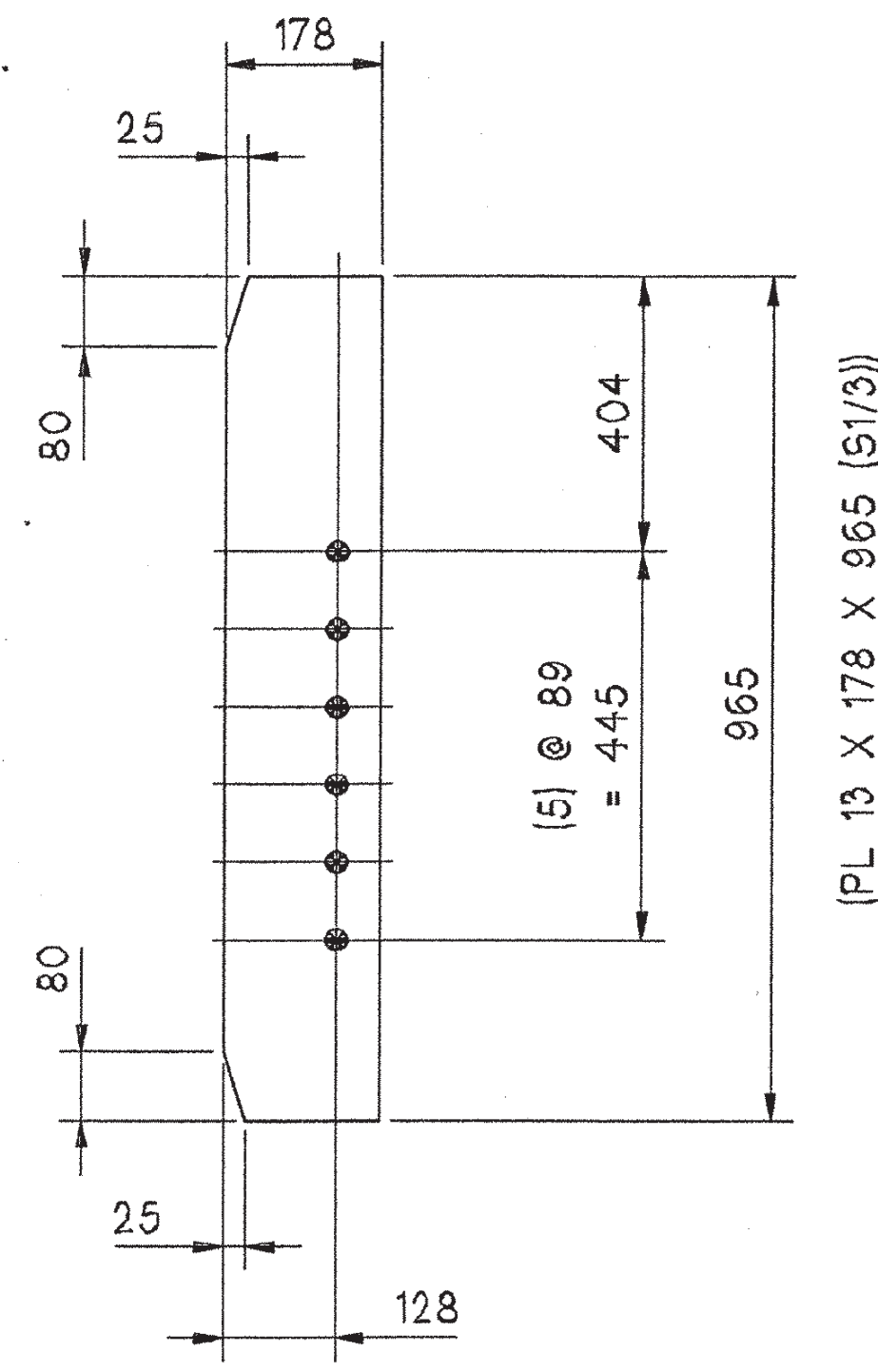
cs1 - (12) REQ'D.

CSPREP



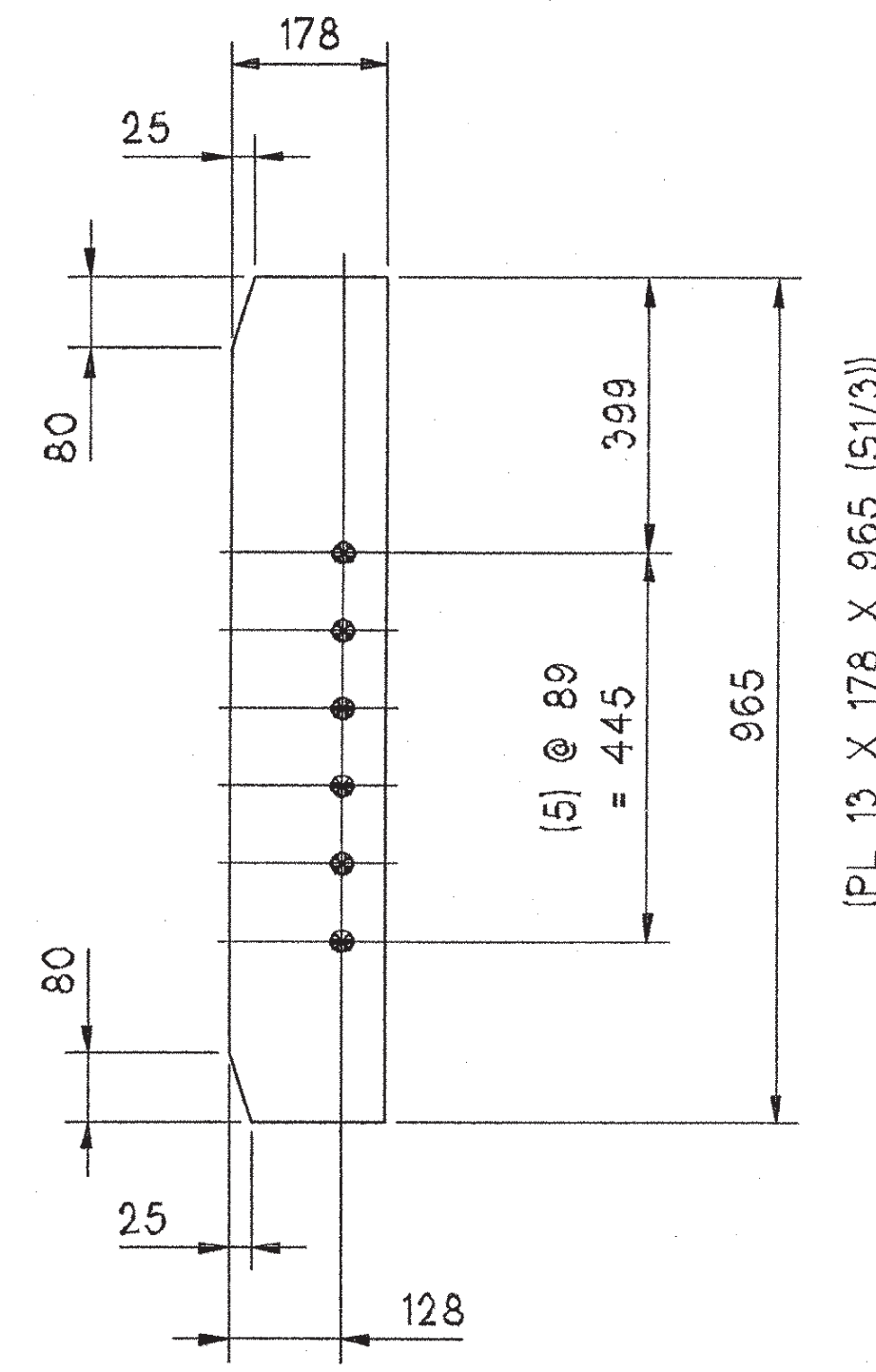
cs2 - (3) REQ'D.

CSPREP



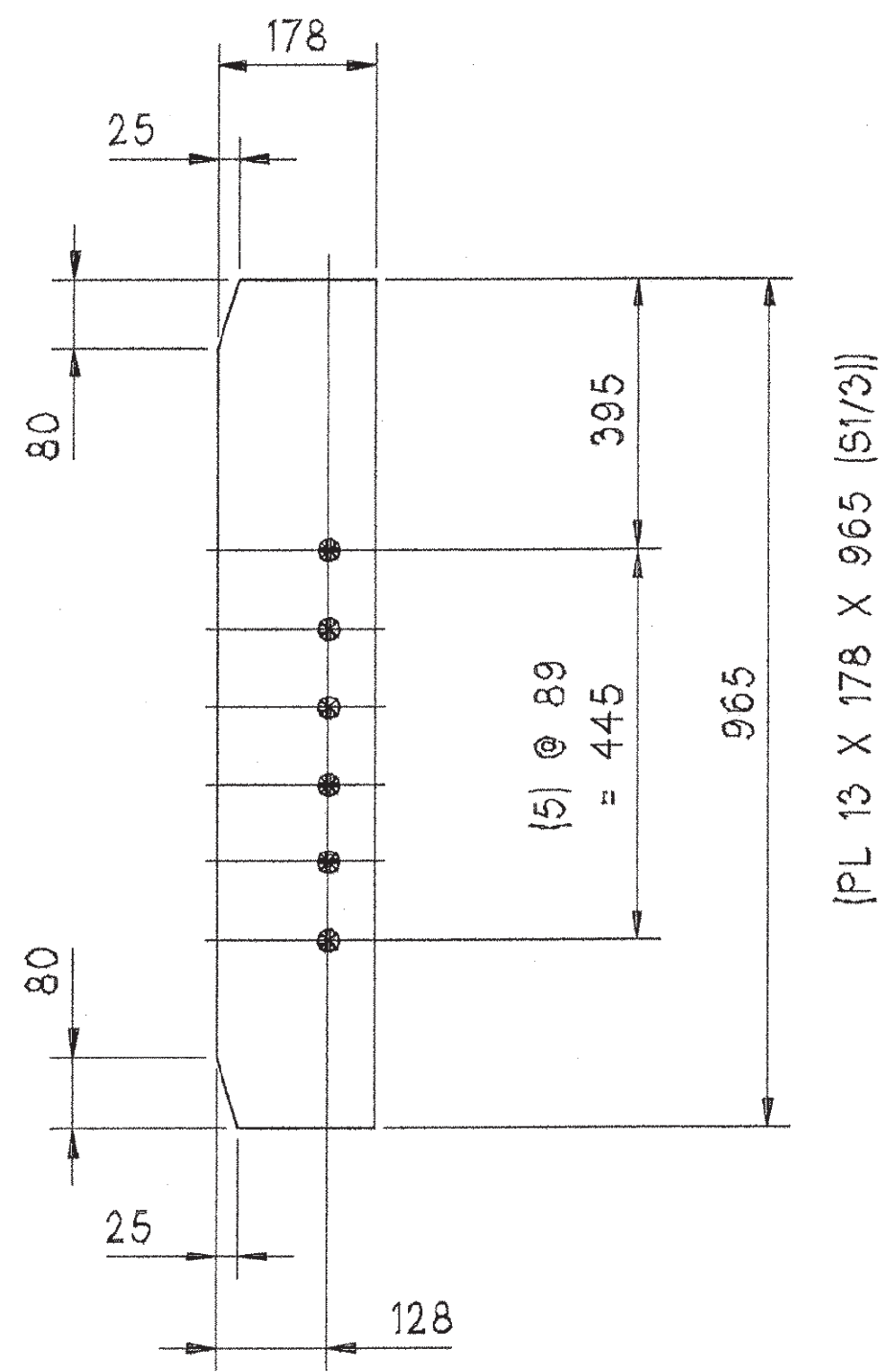
cs3 - (3) REQ'D.

CSPREP



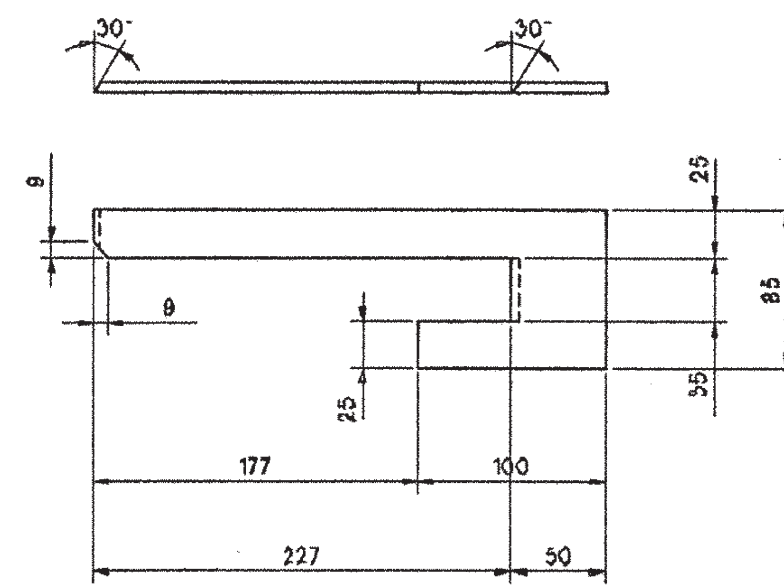
cs4 - (3) REQ'D.

CSPREP

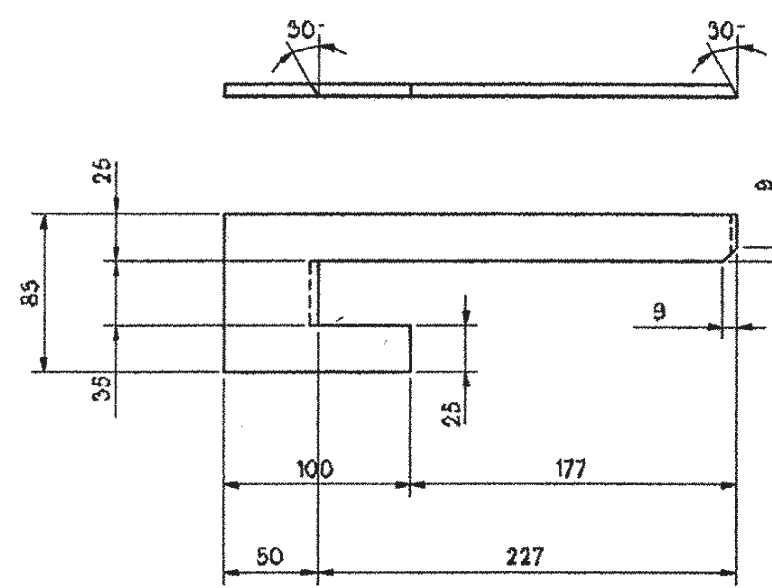


cs5 - (3) REQ'D.

CSPREP



db1R - (ONE) REQ'D.



db1L - (ONE) REQ'D.

DBPREP

(PL 6 X 85 X 277 (S1/9))

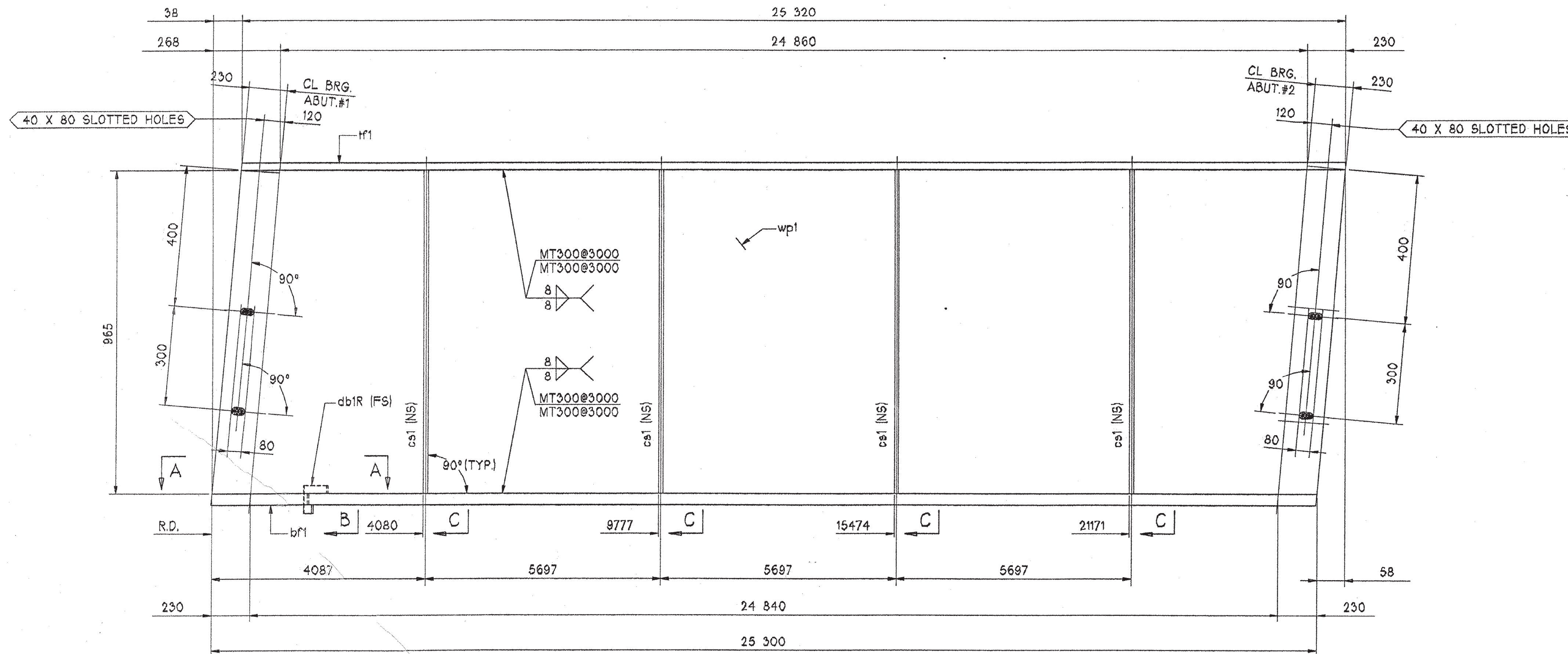
RECEIVED
 OK'D BY: *PH* OK'D BY: *CU*
 APR 14 2003
 RESUBMIT: _____ APPROVED: *✓*
 BY: *GS/R* DATE: *4/15/03*

FOR APPROVAL

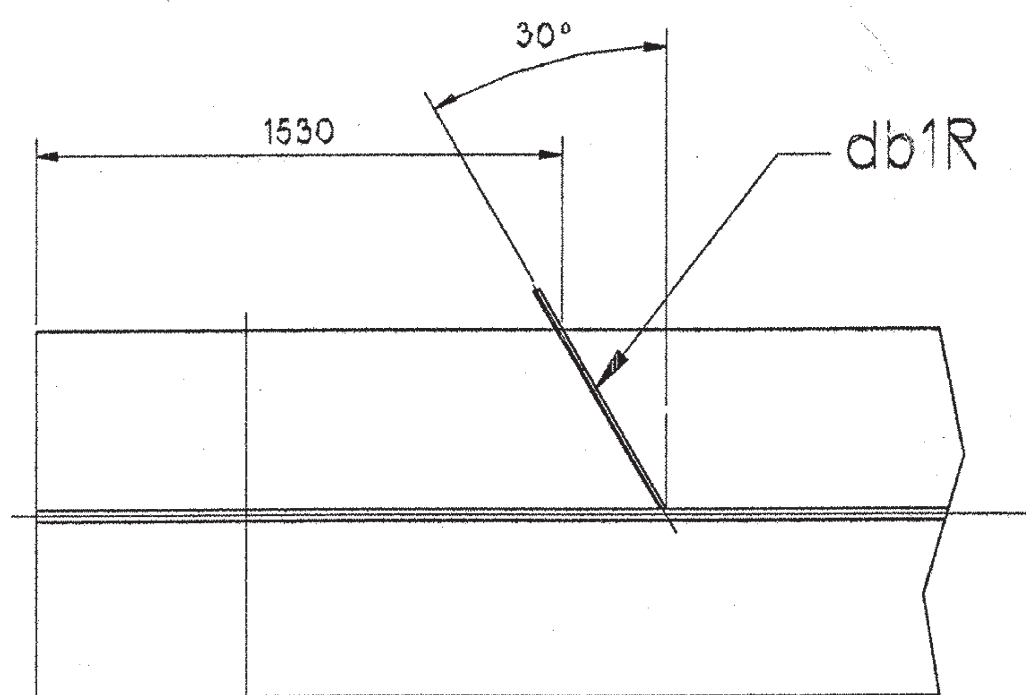
M270,GR.345W

STEEL: ASTM	<input type="checkbox"/> A709-36	<input type="checkbox"/> A709-50	<input checked="" type="checkbox"/> A709-50W	<input checked="" type="checkbox"/> Unless Noted
WELDING ELECTRODE:	<input type="checkbox"/> E70	<input type="checkbox"/> See Welding Proc.		<input checked="" type="checkbox"/> None
HOLES:	<input type="checkbox"/> 13/16	<input checked="" type="checkbox"/> 15/16	<input type="checkbox"/> Unless Noted	<input type="checkbox"/> As Noted
PAIN:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Galv. After Fab.	<input type="checkbox"/> As Noted	<input type="checkbox"/>
SPECIAL PAINT:	NONE			
SPECIAL CLEANING:	<input type="checkbox"/> Blast Clean	<input type="checkbox"/> SSPC SP10	<input checked="" type="checkbox"/> None	
ITEM NO.	506.55	BR. NO.	6	PROJ. NO.
BRO 1443(32)				
TITLE: GIRDER STANDARD DETAILS				
APPROVED:	 national eastern STRUCTURAL STEEL FABRICATORS MAJOR STEEL BRIDGES PLAINVILLE, CT 860-747-3700			
PRINT DIST.				
6 3/25/03 APPR.				
ORIG.	FAB.	JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK		
CUSTOMER: AUSTIN CONSTRUCTION, INC.				
DESIGNER: VERMONT AGENCY OF TRANSPORTATION				
WORK ORDER NO.		DRAWING NO.		
15948		10-2		
CHECKED	DS/NEC	3/24/03		
DRAWN	RAB/NEC	3/13/03		

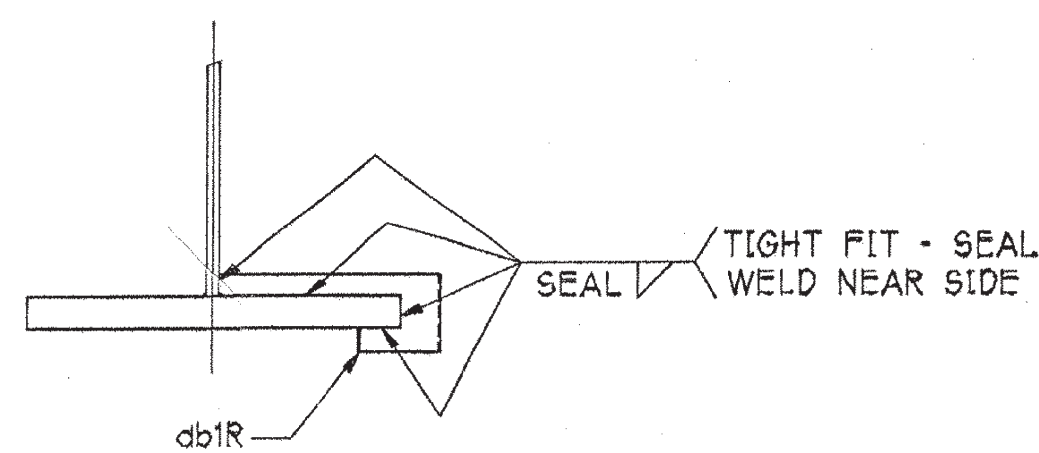
*** DO NOT SHIP ***



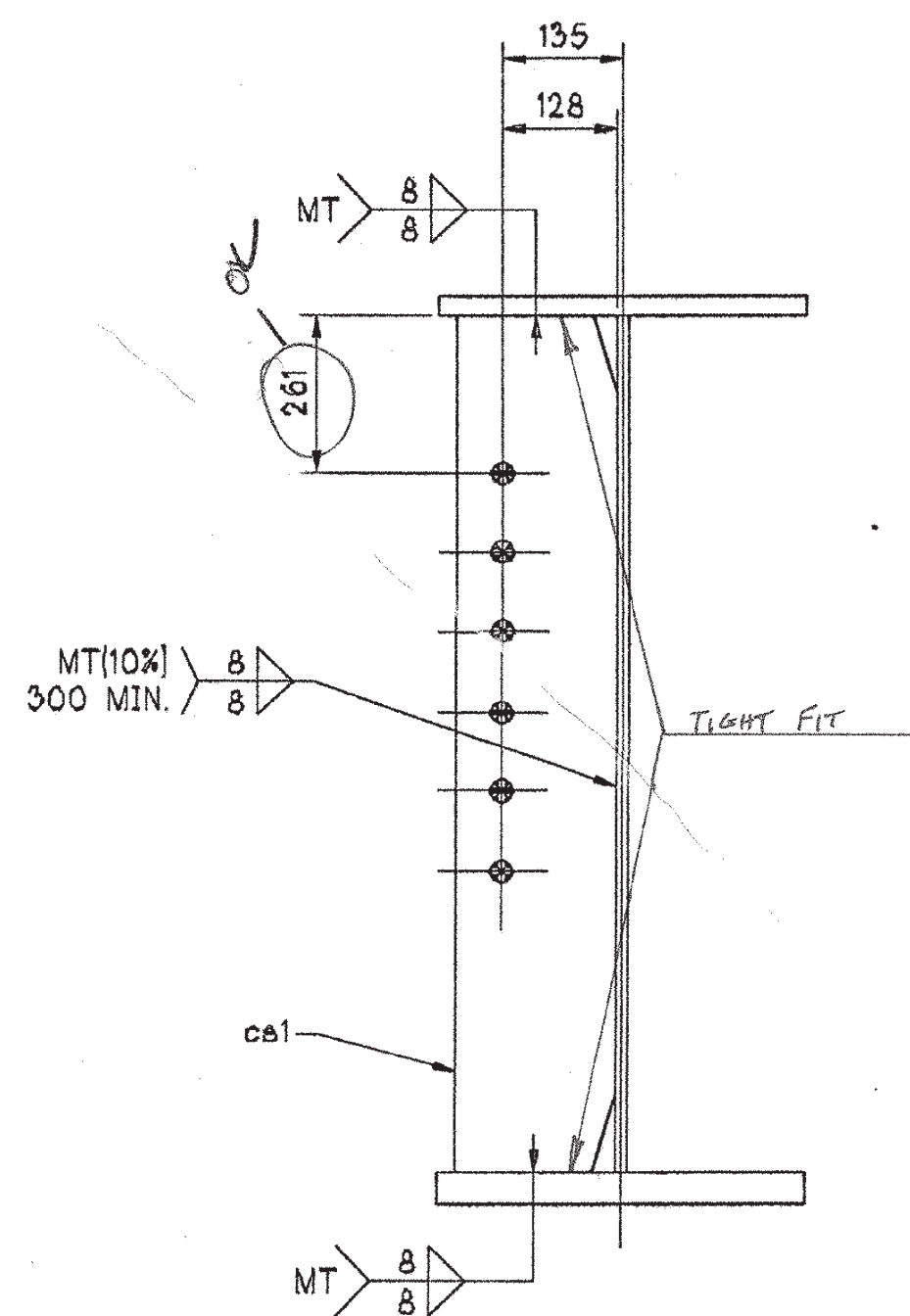
GIRDER MK. G1



SECTION A



SECTION B



SECTION C

		BILL OF MATERIAL			WORK ORDER NO.	DRAWING NO.	REV.	
					15948	10-3		
MARK	QTY.	MK.	SHAPE	LENGTH	WT.(KG)	P/MR P/L	SUPPL. F/L	REMARKS
G1	ONE		GIRDER	25 358	7166			
	1	if1	PL 22 X 406	25 320	1775	51/5		CVN-T2
	1	wp1	PL 13 X 965	25 358	2498	51/2		CVN-T2
	1	bf1	PL 35 X 406	25 300	2822	51/6		CVN-T2
	4	cs1	PL 13 X 178	965	70	51/3		
	1	db1R	PL 6 X 85	277	1	51/9		

RECEIVED
 OK'D BY *ML* OK'D BY *CL*
 MAR 25 2003
 RESUBMIT APPROVED *AS NOTED*
 BY *CSL* DATE 4/15/03

NOTES:

FOR APPROVAL

1. FOR CAMBER & FLG. CUTTING DIAGRAMS, SEE DWG. 10-1
2. FOR GIRDER STANDARD DETAILS, SEE DWG. 10-2
3. FOR GENERAL NOTES, SEE DWG. GN1

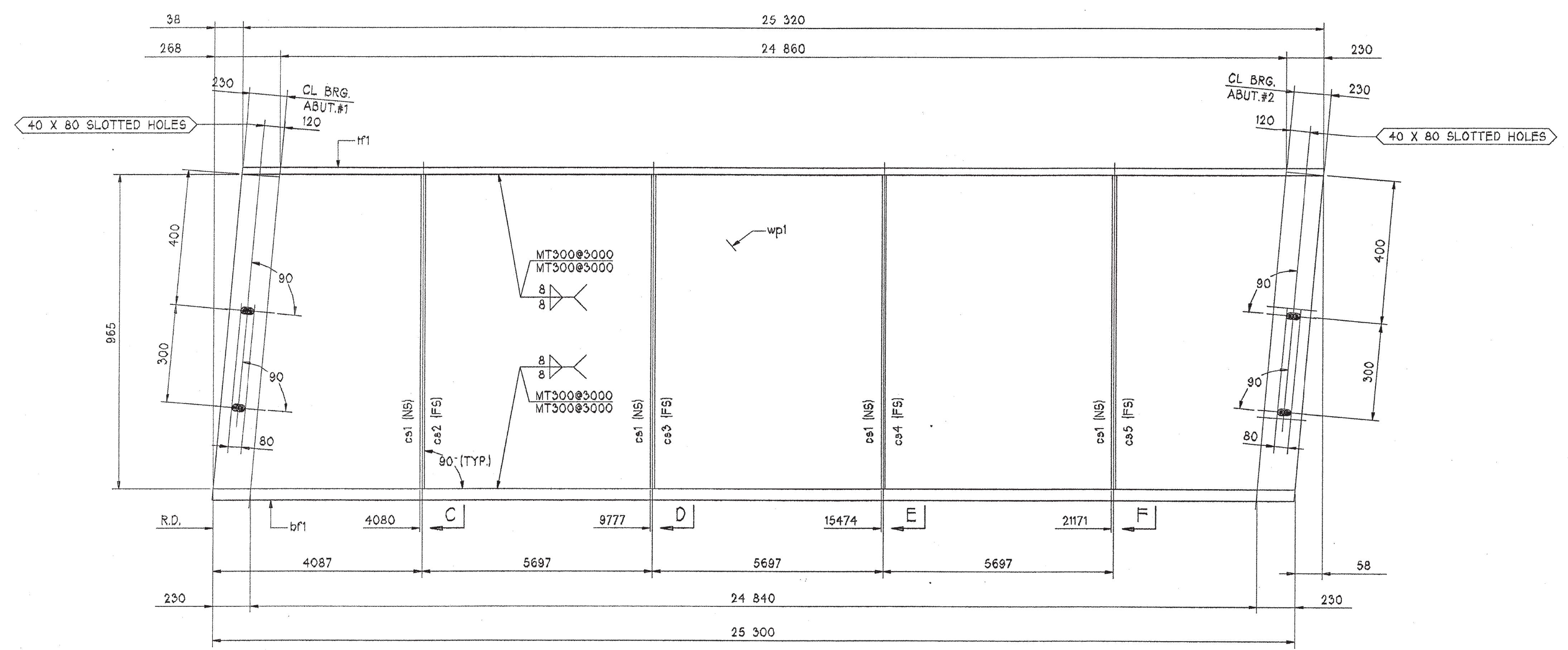
*: BLAST CLEAN BEFORE OR AFTER FAB. M270,GR.345W

STEEL: ASTM	<input type="checkbox"/> A709-36	<input type="checkbox"/> A709-50	<input checked="" type="checkbox"/> A709-50W	<input checked="" type="checkbox"/> Unless Noted
WELDING ELECTRODE:	<input checked="" type="checkbox"/> E70	<input checked="" type="checkbox"/> See Welding Proc.	<input type="checkbox"/> None	
HOLES:	<input type="checkbox"/> 13/16	<input checked="" type="checkbox"/> 15/16	<input type="checkbox"/> Unless Noted	<input type="checkbox"/> As Noted
PAIN:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Galv. After Fab.	<input type="checkbox"/> As Noted	
SPECIAL PAINT:	NONE - CLEAN FOR WEATHERING *			
SPECIAL CLEANING:	<input checked="" type="checkbox"/> Blast Clean	<input checked="" type="checkbox"/> SSPC SP10 *	<input type="checkbox"/> None	

ITEM NO.	506.55	BR. NO.	6	PROJ. NO.	BRO 1443(32)
TITLE: GIRDER DETAILS - G1					

APPROVED:		
PRINT DIST.		
6	3/25/03	APPR.
ORIG.	FAB.	PLAINVILLE, CT
JOB:		
CL 2 LOCAL BRIDGE NO. 6		
RTE. TH 6 OVER THE POULTNEY RIVER		
RUTLAND COUNTY		
FAIRHAVEN, VERMONT - HAMPTON, NEW YORK		
CUSTOMER: AUSTIN CONSTRUCTION, INC.		
DESIGNER: VERMONT AGENCY OF TRANSPORTATION		
WORK ORDER NO.		DRAWING NO.
15948		10-3
CHECKED	DS/NEC	3/24/03
DRAWN	RAB/NEC	3/18/03

BILL OF MATERIAL				WORK ORDER NO.	DRAWING NO.	REV.		
				15948	10-4			
MARK	QTY.	MK.	SHAPE	LENGTH	WT.(KG)	PMR P/L	SUPPL. P/L	REMARKS
G2	ONE		GIRDER	25 358	7235			
1	1	lf1	PL 22 X 406	25 320	1775	51/5		CVN-T2
1	1	wp1	PL 13 X 965	25 358	2498	51/2		CVN-T2
1	1	bf1	PL 35 X 406	25 300	2822	51/6		CVN-T2
4	4	cs1	PL 13 X 178	965	70	51/3		
1	1	cs2	PL 13 X 178	965	17.5	51/3		
1	1	cs3	PL 13 X 178	965	17.5	51/3		
1	1	cs4	PL 13 X 178	965	17.5	51/3		
1	1	cs5	PL 13 X 178	965	17.5	51/3		



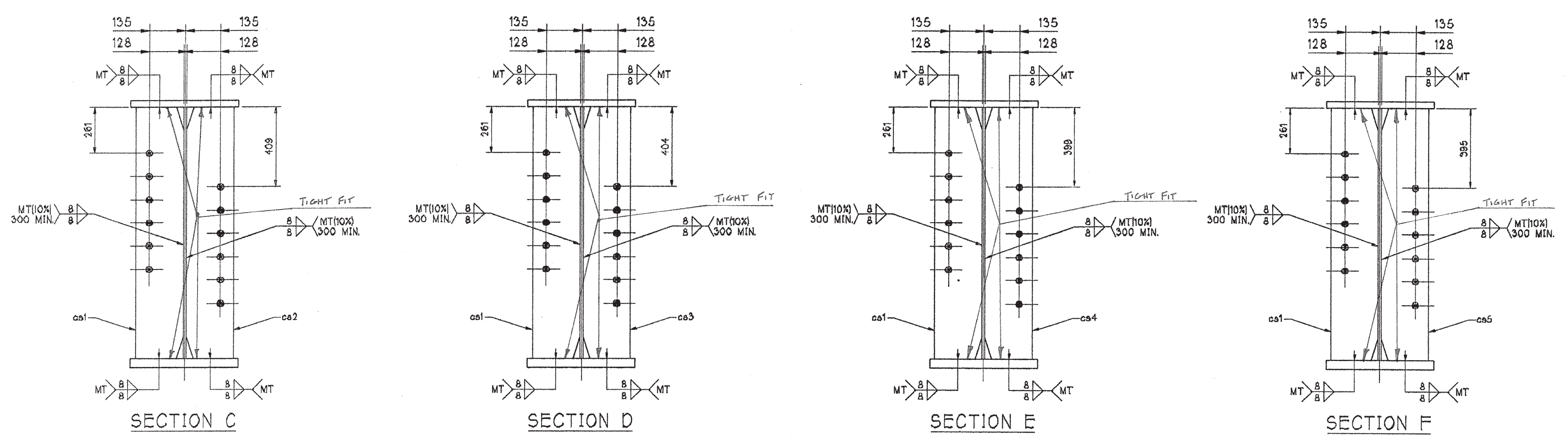
GIRDER MK. G2

RECEIVED
 CKD BY: *ML* OK'D BY: *CM*
 APR 14 2003
 RESUBMIT: _____ APPROVED: *ASNOTCD*
 BY: *CSR* DATE: *4/15/03*

FOR APPROVAL

NOTES:

1. FOR CAMBER & FLG. CUTTING DIAGRAMS, SEE DWG. 10-1
2. FOR GIRDER STANDARD DETAILS, SEE DWG. 10-2
3. FOR GENERAL NOTES, SEE DWG. GN1



*: BLAST CLEAN BEFORE OR AFTER FAB. M270,GR.345W

STEEL: ASTM A709-36 A709-50 A709-50W Unless Noted

WELDING ELECTRODE: E70 See Welding Proc. None

HOLES: 13/16 15/16 Unless Noted As Noted None

PAINT: None Galv. After Fab. As Noted

SPECIAL PAINT: NONE - CLEAN FOR WEATHERING *

SPECIAL CLEANING: Blast Clean SSPC SP10 * None

ITEM NO. 506.55 BR. NO. 6 PROJ. NO. BR0 1443(32)

TITLE: GIRDER DETAILS - G2

APPROVED: _____
 PRINT DIST. 6 J/25/03 APPR. _____
 ORIG. FAB. _____

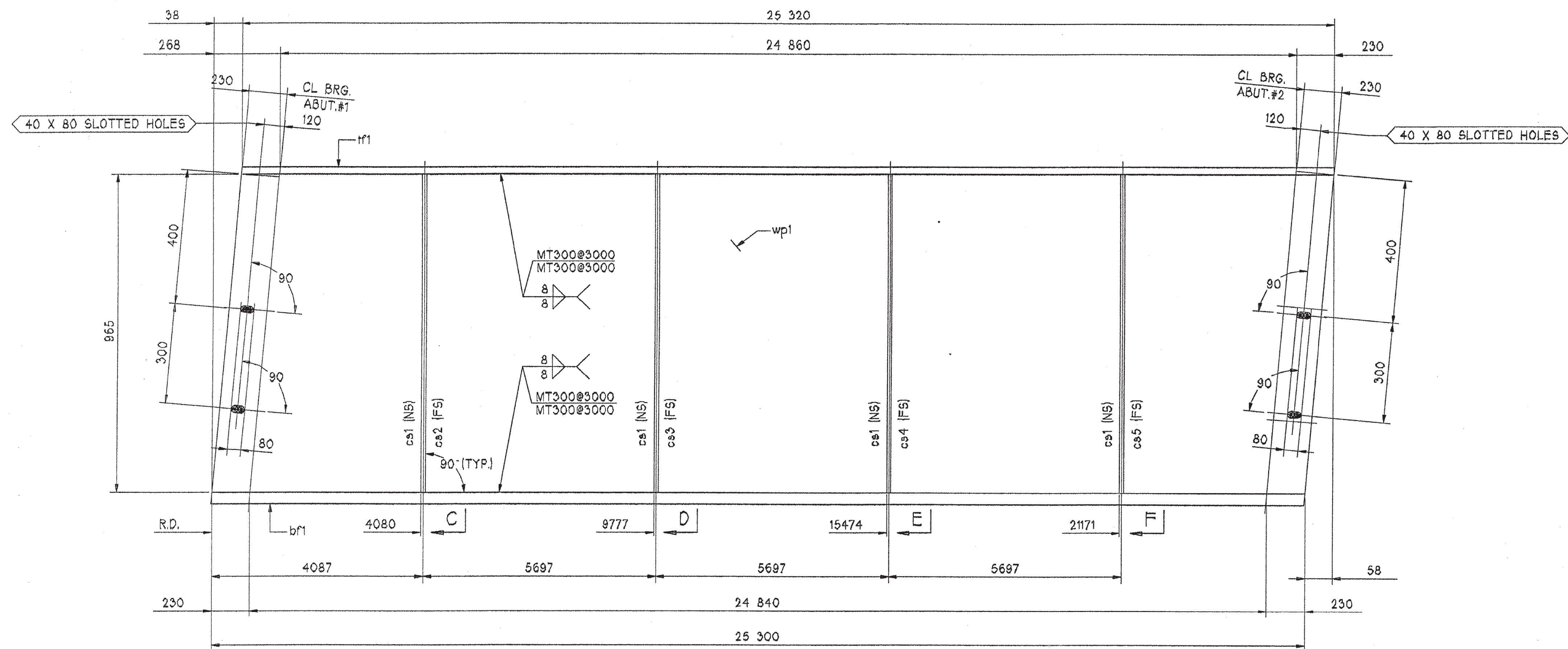
national eastern
 STRUCTURAL STEEL FABRICATORS
 MAJOR STEEL BRIDGES
 PLAINVILLE, CT 860-747-3700

JOB: CL 2 LOCAL BRIDGE NO. 6
 RTE. TH 6 OVER THE POULTNEY RIVER
 RUTLAND COUNTY
 FAIRHAVEN, VERMONT - HAMPTON, NEW YORK

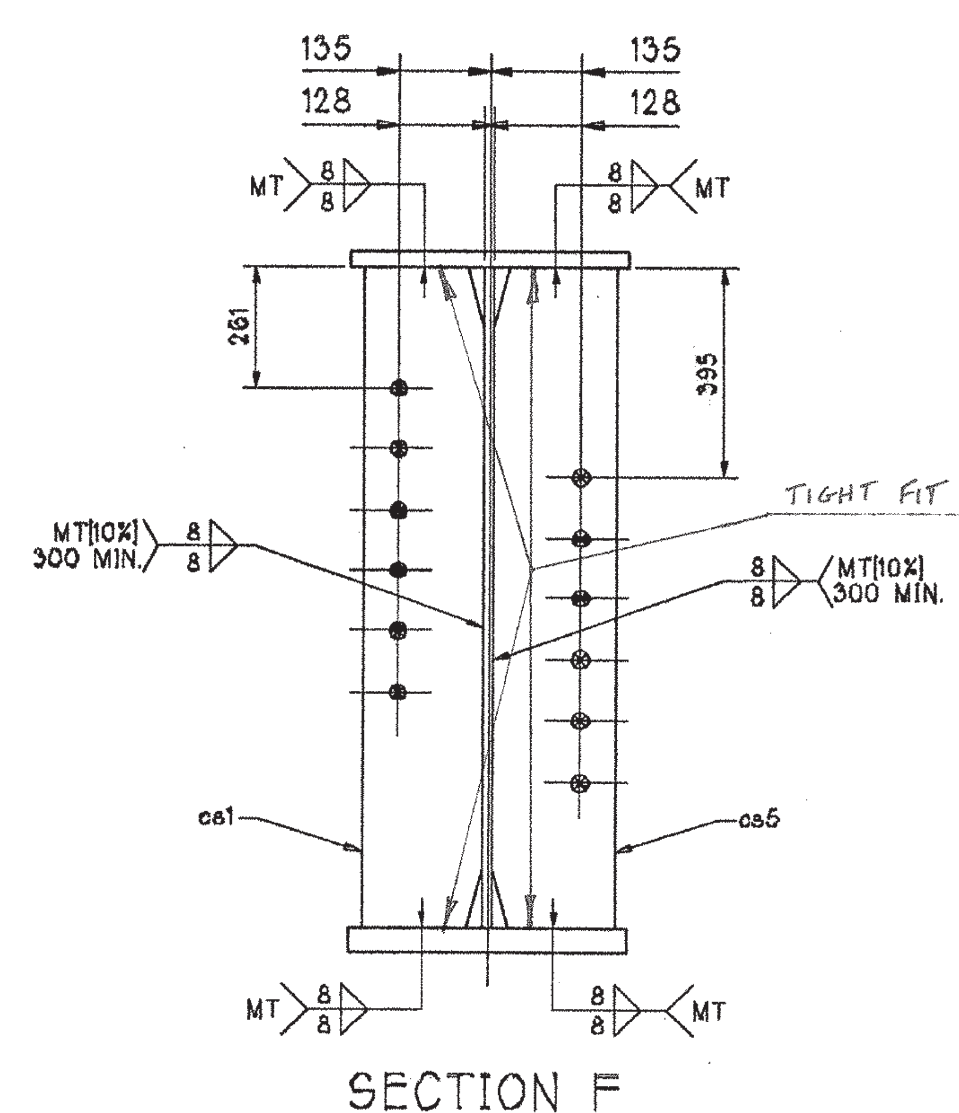
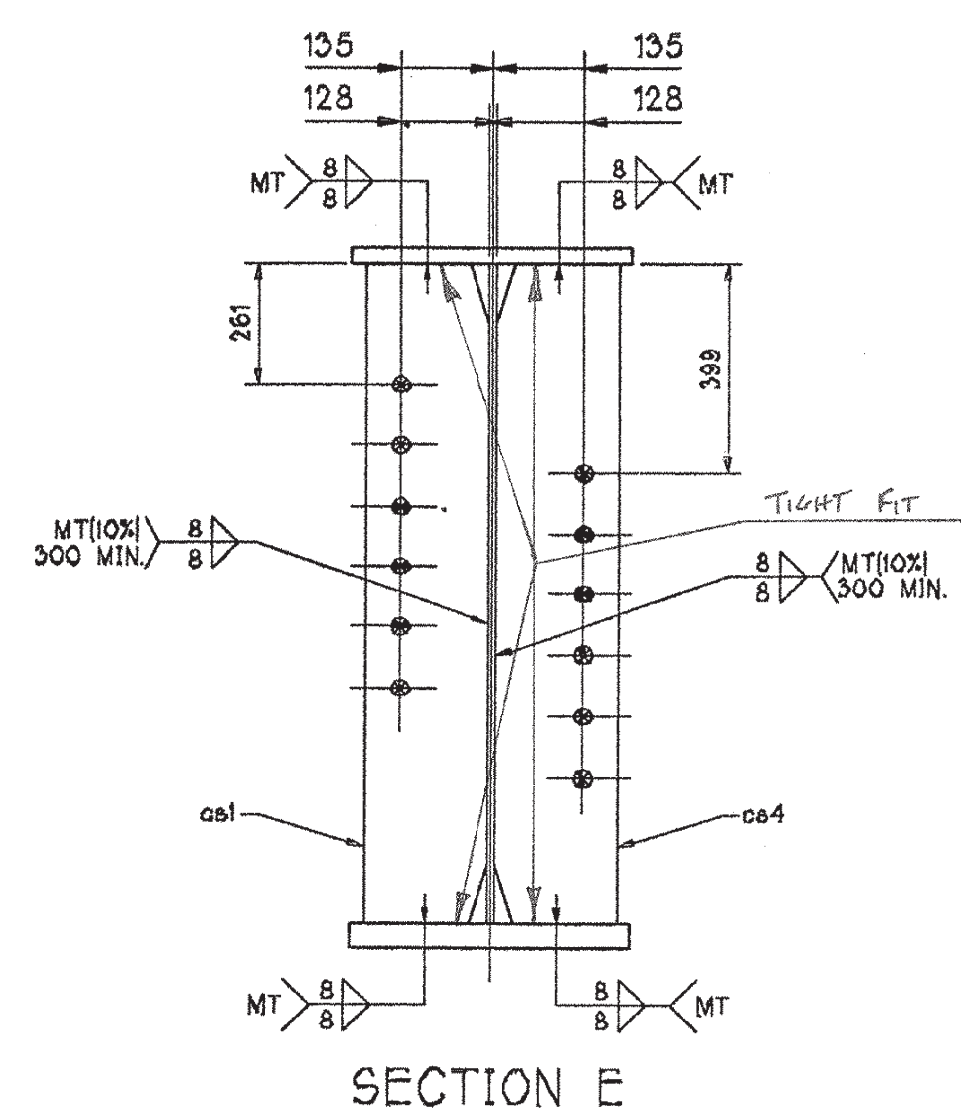
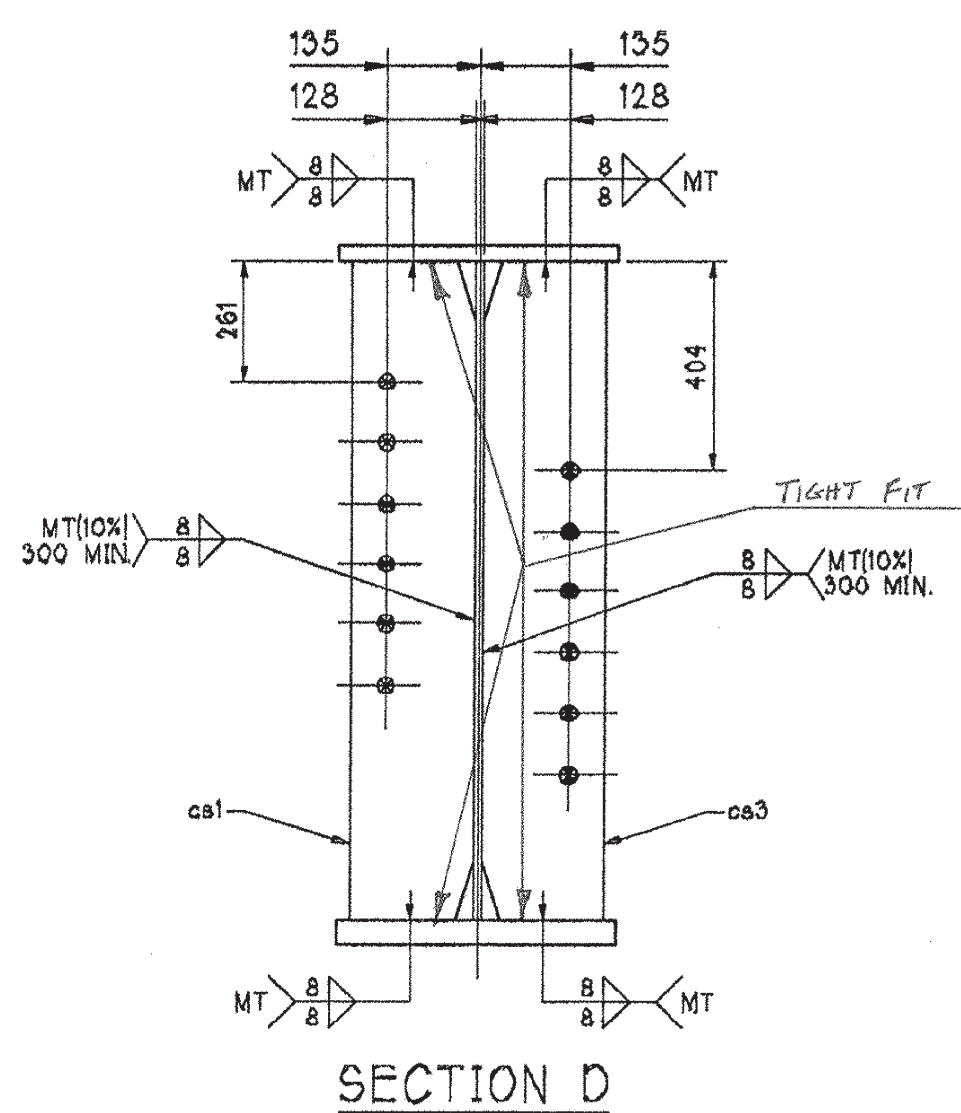
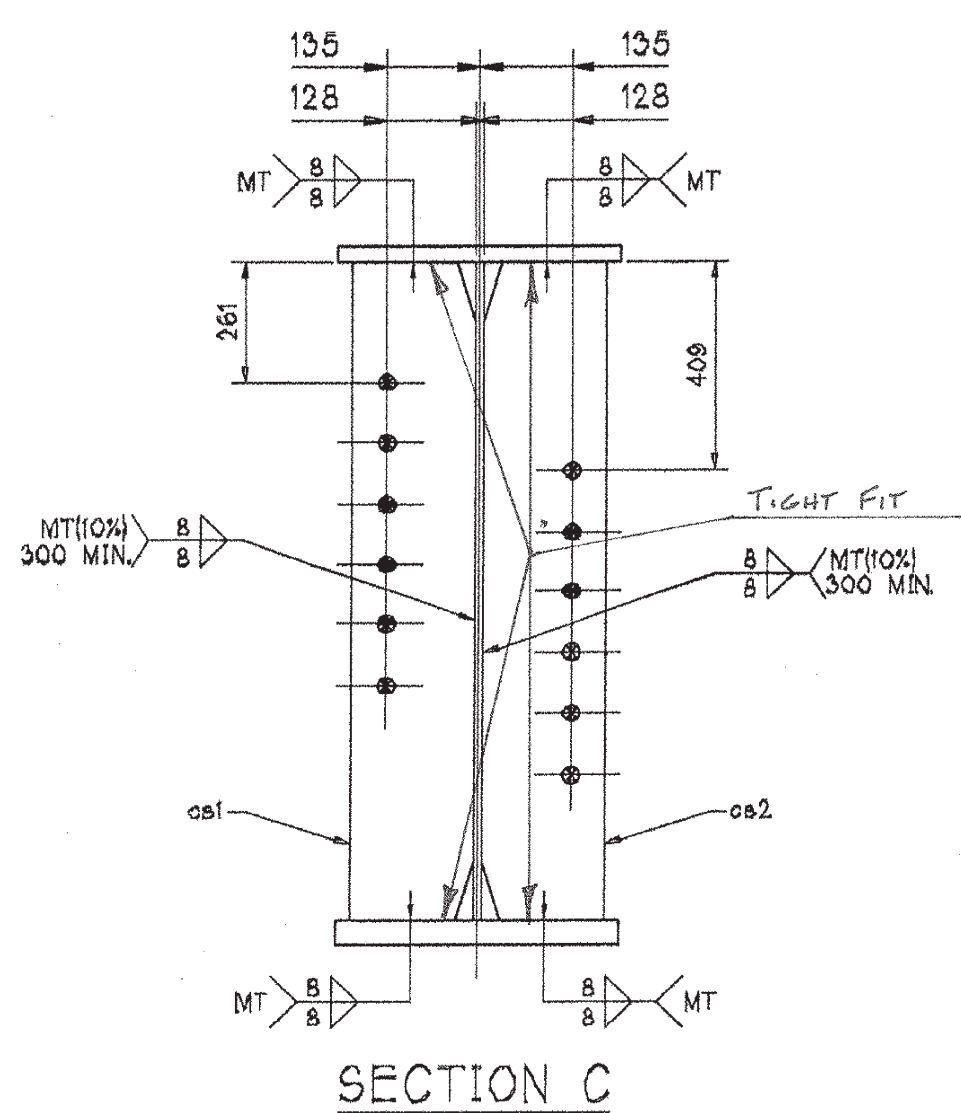
CUSTOMER: AUSTIN CONSTRUCTION, INC.
 DESIGNER: VERMONT AGENCY OF TRANSPORTATION

WORK ORDER NO. 15948 DRAWING NO. 10-4 REV. _____

CHECKED DS/NEC 3/24/03
 DRAWN RAD/NEC 3/18/03



GIRDER MK. G3



BILL OF MATERIAL				WORK ORDER NO.	DRAWING NO.	REV.		
MARK	QTY.	MK.	SHAPE	LENGTH	WT.(KG)	P/MR P/L	SUPPL. P/L	REMARKS
G3	ONE		GIRDER	25 358	7235			
	1	if1	PL 22 X 406	25 320	1775	SI 5		CVN-T2
	1	wp1	PL 13 X 965	25 358	2498	SI 3		CVN-T2
	1	bf1	PL 35 X 406	25 300	2822	SI 6		CVN-T2
	4	cs1	PL 13 X 178	965	70	SI 3		
	1	cs2	PL 13 X 178	965	17.5	SI 3		
	1	cs3	PL 13 X 178	965	17.5	SI 3		
	1	cs4	PL 13 X 178	965	17.5	SI 3		
	1	cs5	PL 13 X 178	965	17.5	SI 3		

RECEIVED
 OK'D BY: *ML*, OK'D BY: *CS*
 APR 14 2003
 RESUBMIT APPROVED *AS NOTED*
 BY *GSR* DATE *4/15/03*

FOR APPROVAL

NOTES:

1. FOR CAMBER & FLG. CUTTING DIAGRAMS, SEE DWG. 10-1
2. FOR GIRDER STANDARD DETAILS, SEE DWG. 10-2
3. FOR GENERAL NOTES, SEE DWG. GN1

*: BLAST CLEAN BEFORE OR AFTER FAB. M270,GR.3+5W

STEEL: ASTM A709-36 A709-50 A709-50W Unless Noted

WELDING ELECTRODE: E70 See Welding Proc. None

HOLES: 13/16 15/16 Unless Noted As Noted None

PAINT: None Galv. After Fab. As Noted

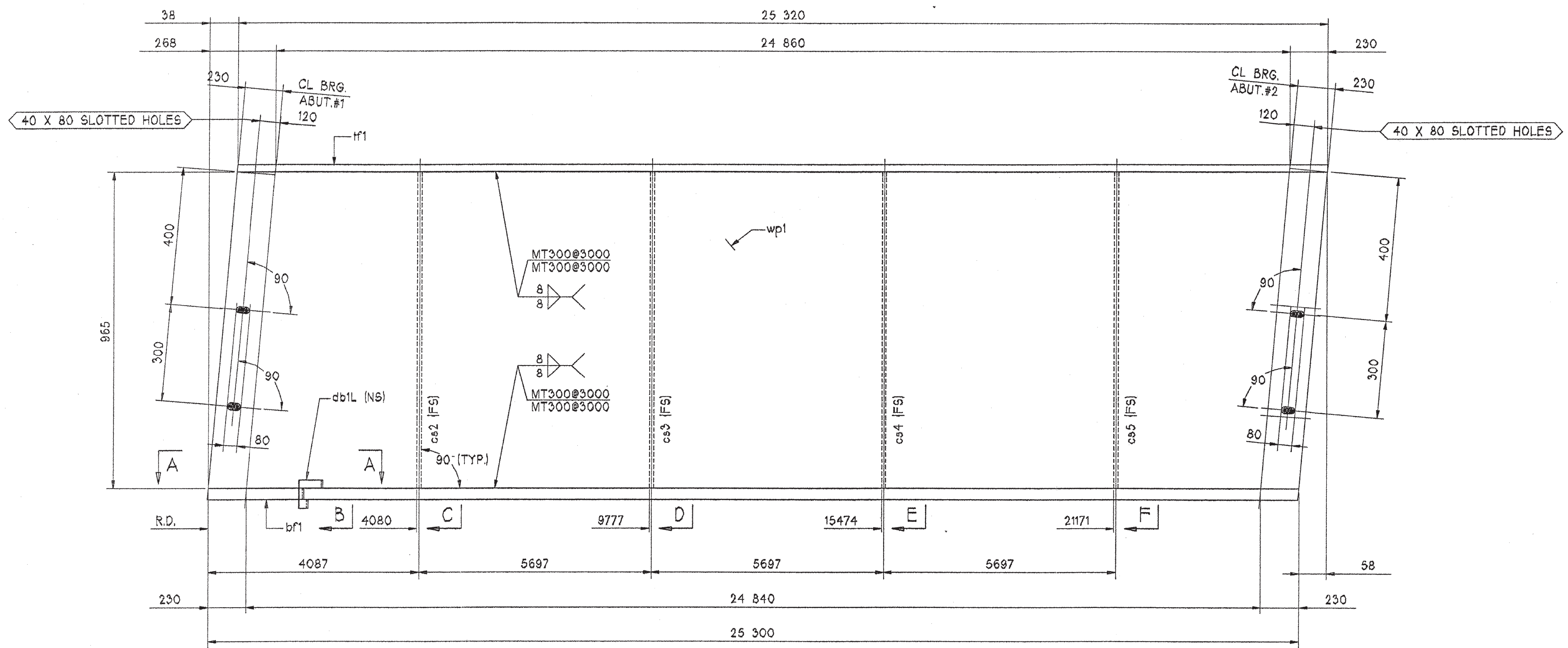
SPECIAL PAINT: NONE - CLEAN FOR WEATHERING #

SPECIAL CLEANING: Blast Clean SSPC SP10 * None

ITEM NO. 506.55 BR. NO. 6 PROJ. NO. BRO 1443(32)

TITLE: GIRDER DETAILS - G3

APPROVED:	 STRUCTURAL STEEL FABRICATORS MAJOR STEEL BRIDGES PLAINVILLE, CT 860-747-3700	
PRINT DIST.		
6 3/25/03 APPR.		
ORIG.	FAB.	PLAINVILLE, CT
JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK		
CUSTOMER: AUSTIN CONSTRUCTION, INC.		
DESIGNER: VERMONT AGENCY OF TRANSPORTATION		
CHECKED DS/NEC 3/24/03	WORK ORDER NO. 15948	DRAWING NO. 10-5
DRAWN RAB/NEC 3/18/03		REV.

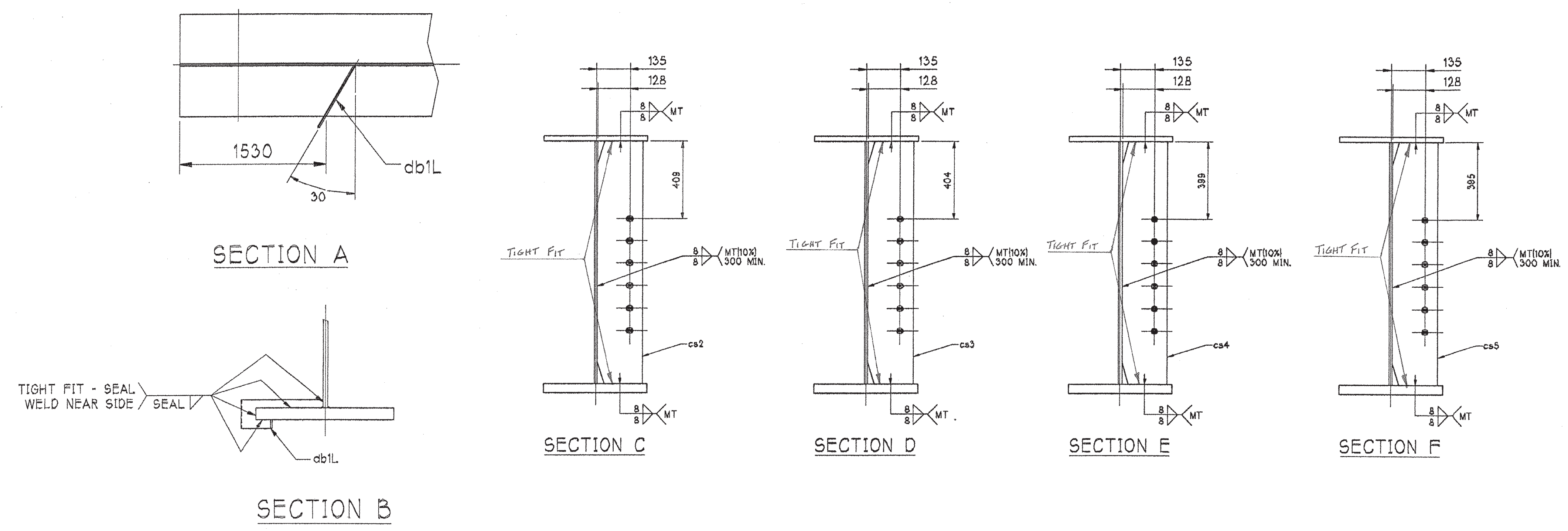


GIRDER MK. G4

BILL OF MATERIAL				WORK ORDER NO.	DRAWING NO.	REV.		
				15948	10-6			
MARK	QTY.	MK.	SHAPE	LENGTH	WT.(KG)	PMR P/L	SUPPL P/L	REMARKS
G4	ONE		GIRDER	25 358	7166			
1	if1	PL	22 X 406	25 320	1775	5/5		CVN-T2
1	wp1	PL	13 X 965	25 358	2498	5/3		CVN-T2
1	bf1	PL	35 X 406	25 300	2822	5/6		CVN-T2
1	cs2	PL	13 X 178	965	17.5	5/3		
1	cs3	PL	13 X 178	965	17.5	5/3		
1	cs4	PL	13 X 178	965	17.5	5/3		
1	cs5	PL	13 X 178	965	17.5	5/3		
1	db1L	PL	6 X 85	277	1	5/9		

RECEIVED
 OK'D BY: *HP* OK'D BY: *W*
 APR 14 2003
 RESUBMIT APPROVED *AS NOTED*
 BY *CSR* DATE 4/15/03

- NOTES:
- FOR APPROVAL
- FOR CAMBER & FLG. CUTTING DIAGRAMS, SEE DWG. 10-1
 - FOR GIRDER STANDARD DETAILS, SEE DWG. 10-2
 - FOR GENERAL NOTES, SEE DWG. GN1



*: BLAST CLEAN BEFORE OR AFTER FAB. M270,GR.545W

STEEL: ASTM A709-36 A709-50 A709-50W Unless Noted

WELDING ELECTRODE: E70 See Welding Proc. None

HOLES: 13/16 15/16 Unless Noted As Noted None

PAINT: None Galv. After Fab. As Noted

SPECIAL PAINT: NONE - CLEAN FOR WEATHERING *

SPECIAL CLEANING: Blast Clean SSPC SP10 * None

ITEM NO. 506.55 BR. NO. 6 PROJ. NO. BRO 1443(32)

TITLE: GIRDER DETAILS - G4

APPROVED: PRINT DIST. 6 3/25/03 APPR. ORIG. FAB. PLAINVILLE, CT

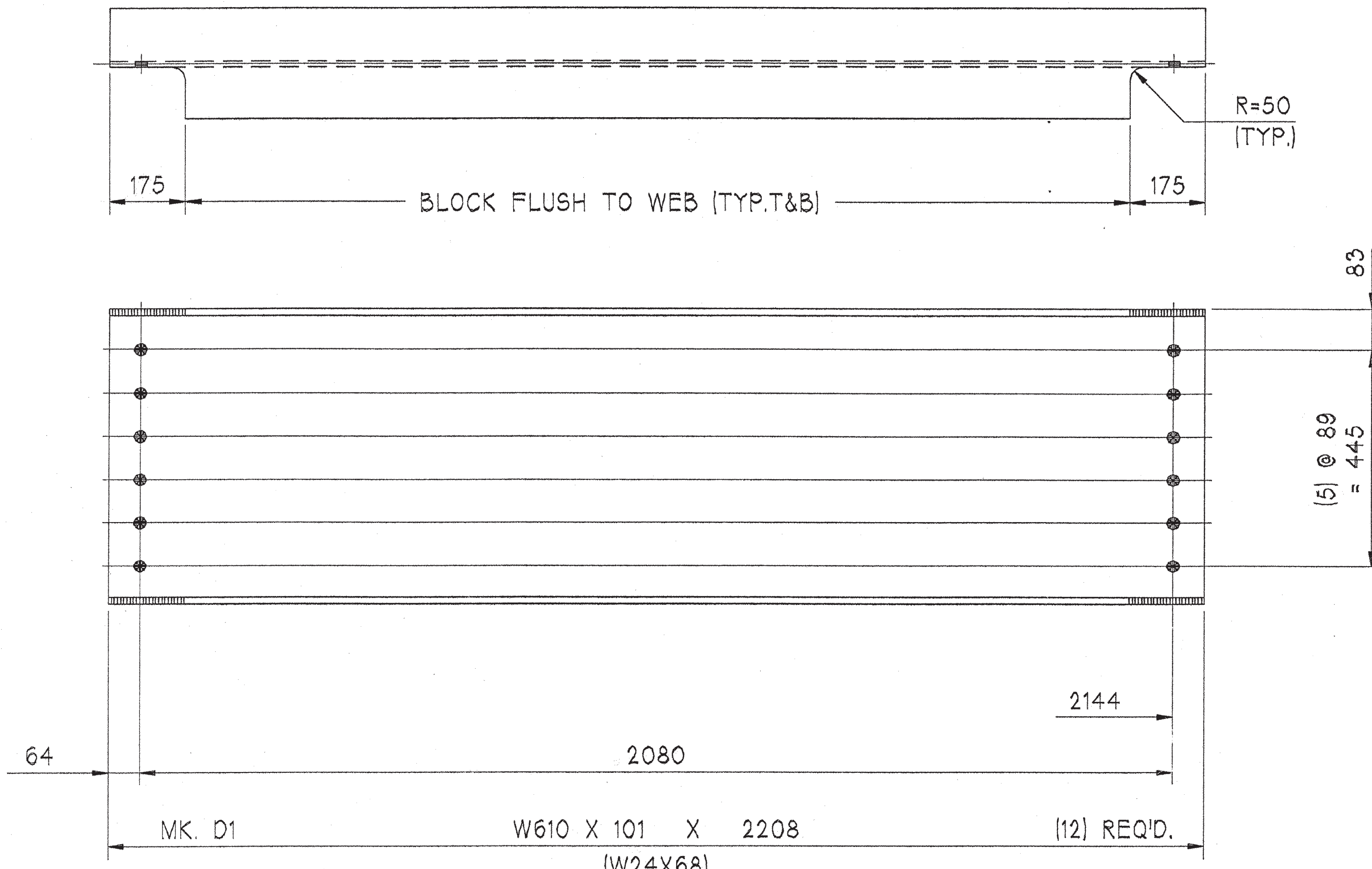
national eastern
 STRUCTURAL STEEL FABRICATORS
 MAJOR STEEL BRIDGES
 860-747-3700

JOB: CL 2 LOCAL BRIDGE NO. 6
 RTE. TH 6 OVER THE POULTNEY RIVER
 RUTLAND COUNTY
 FAIRHAVEN, VERMONT - HAMPTON, NEW YORK

CUSTOMER: AUSTIN CONSTRUCTION, INC.

DESIGNER: VERMONT AGENCY OF TRANSPORTATION

CHECKED DS/NEC 3/24/03 DRAWN RAB/NEC 3/18/03 WORK ORDER NO. 15948 DRAWING NO. 10-6 REV.

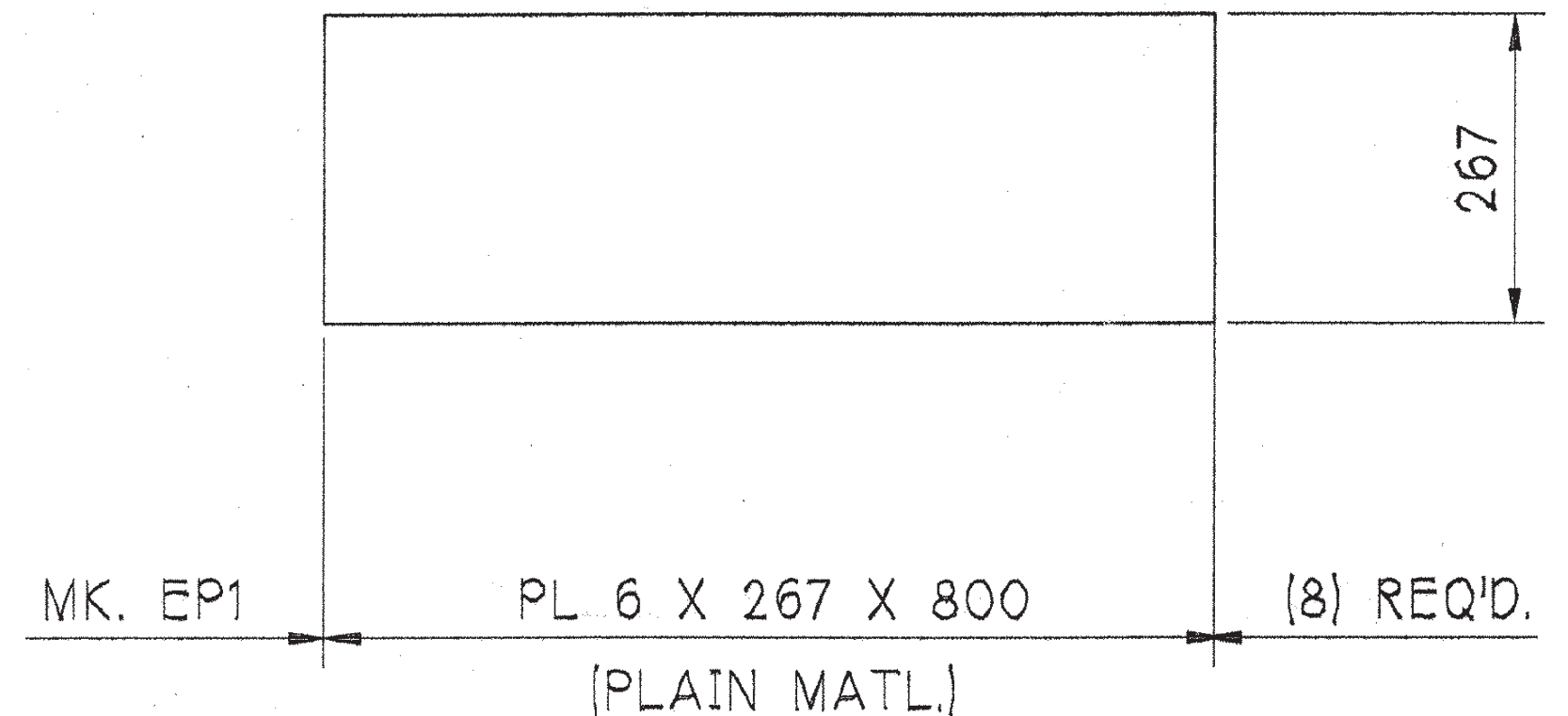


R=50
(TYP.)

83
(5) @ 89
= 445

64 2080 2144
MK. D1 W610 X 101 X 2208 (12) REQ'D.
(W24X68)

IDWSTR



ENDPLS

64 267
MK. EP1 PL 6 X 267 X 800 (8) REQ'D.
(PLAIN MATL.)

BILL OF MATERIAL		WORK ORDER NO.	DRAWING NO.	REV.				
		15948	20-1					
MARK	QTY.	MARK	SHAPE	LENGTH	SHIP WT(KG)	PMR P/L	SUPPL. P/L	REMARKS
D1	12		W610 X 101	2208	2676	S1 P/L		PAY WT. = 1735 KG (BASED ON ORIG. BM SIZE = W530X65.5)
EP1	8		PL 6 X 267	800	80	S1 P/L		PLAIN MATL.
FIELD BOLTS: ASTM A325-3, RCT. (QTYS. INCLUDE EXTRAS)								
	150		HSB 22 DIA.	57	41	S2 P/L		HVY. HEX BOLT
	150		HHN 22 DIA.		20	S2 P/L		HVY. HEX NUT A263, GR. DHD
	150		FW 22 DIA.		5	S2 P/L		FLATWASHER F436-3
PAY WEIGHT (KG):					1881			
SHIP WEIGHT (KG):					2882			

RECEIVED
CHK'D BY *ML* OK'D BY *CL*
MAR 25 2003
RESUBMIT APPROVED
BY *GR* DATE 4/15/03

FOR APPROVAL

* BLAST CLEAN BEFORE OR AFTER FAB. M270, GR. 345W

STEEL: ASTM A709-36 A709-50 A709-50W Unless Noted

WELDING ELECTRODE: E70 See Welding Proc. None

HOLES: 13/16 15/16 Unless Noted As Noted None

PAINT: None Galv. After Fab. As Noted

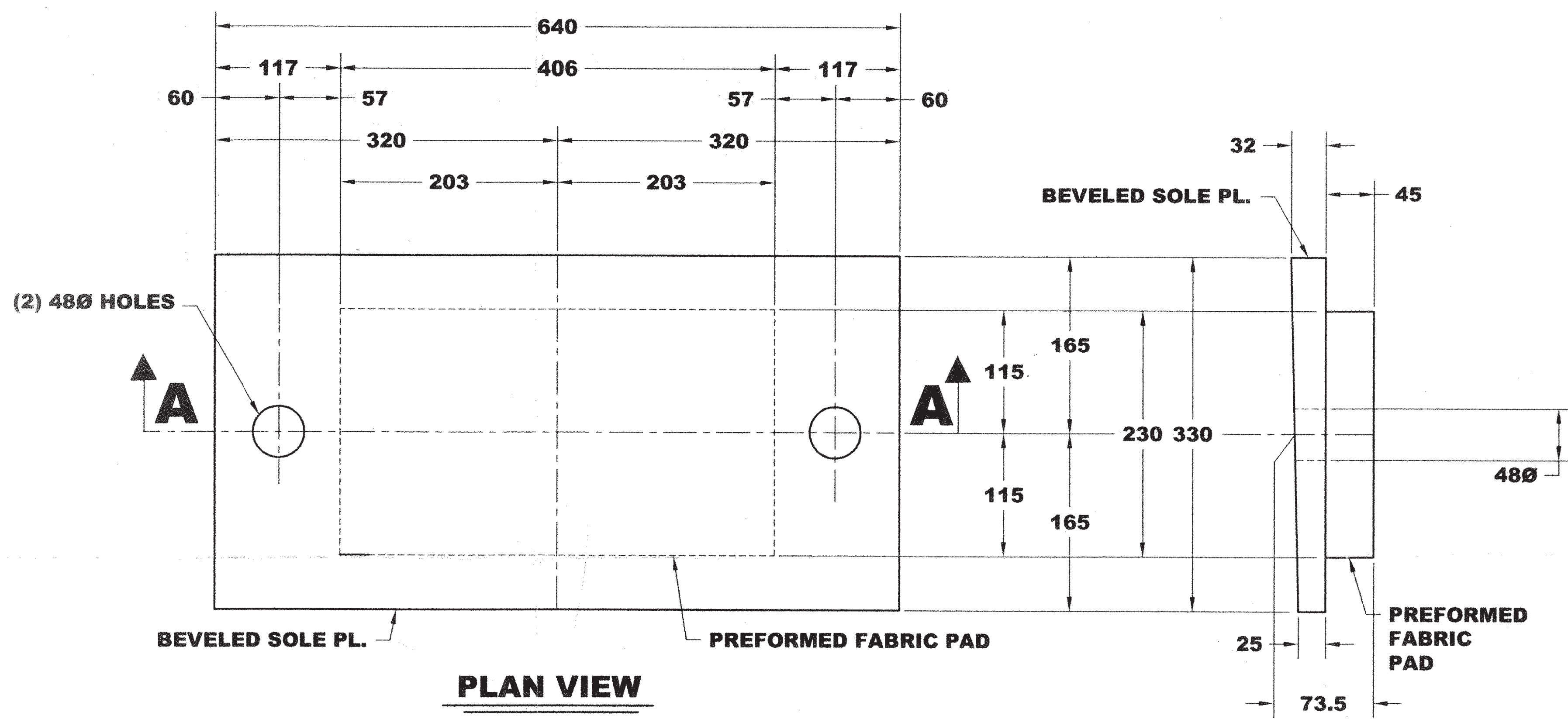
SPECIAL PAINT: NONE - CLEAN FOR WEATHERING *

SPECIAL CLEANING: Blast Clean SSPC SP10 * None

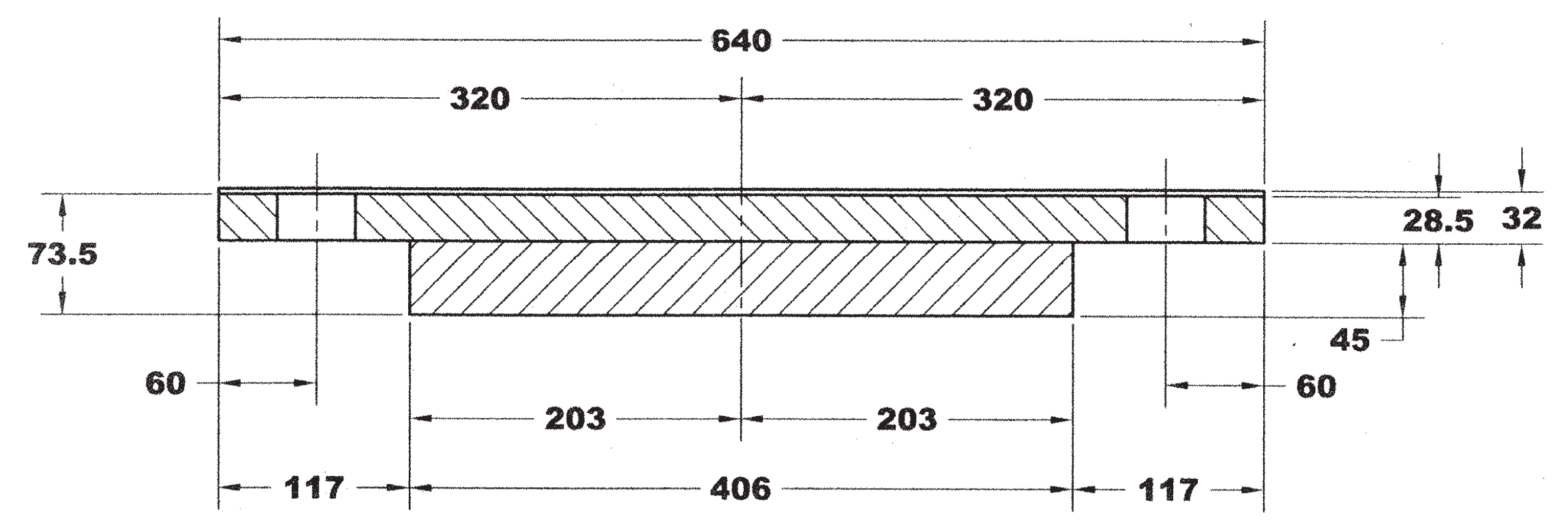
ITEM NO. 50655 BR. NO. 6 PROJ. NO. BRO 1443(32)
TITLE: DIAPHRAGM/MISC. DETAILS & FIELD BOLTS

APPROVED:		
PRINT DIST.		
6 3/25/03 APPR.	PLAINVILLE, CT	860-747-3700
ORIG. FAB.	JOB: CL 2 LOCAL BRIDGE NO. 6 RTE. TH 6 OVER THE POULTNEY RIVER RUTLAND COUNTY FAIRHAVEN, VERMONT - HAMPTON, NEW YORK CUSTOMER: AUSTIN CONSTRUCTION, INC. DESIGNER: VERMONT AGENCY OF TRANSPORTATION	
CHECKED DS/NEC 3/24/03	WORK ORDER NO.	DRAWING NO.
DRAWN RAB/NEC 3/18/03	15948	20-1

ZONE	REV	DESCRIPTION	DATE	APPROVED

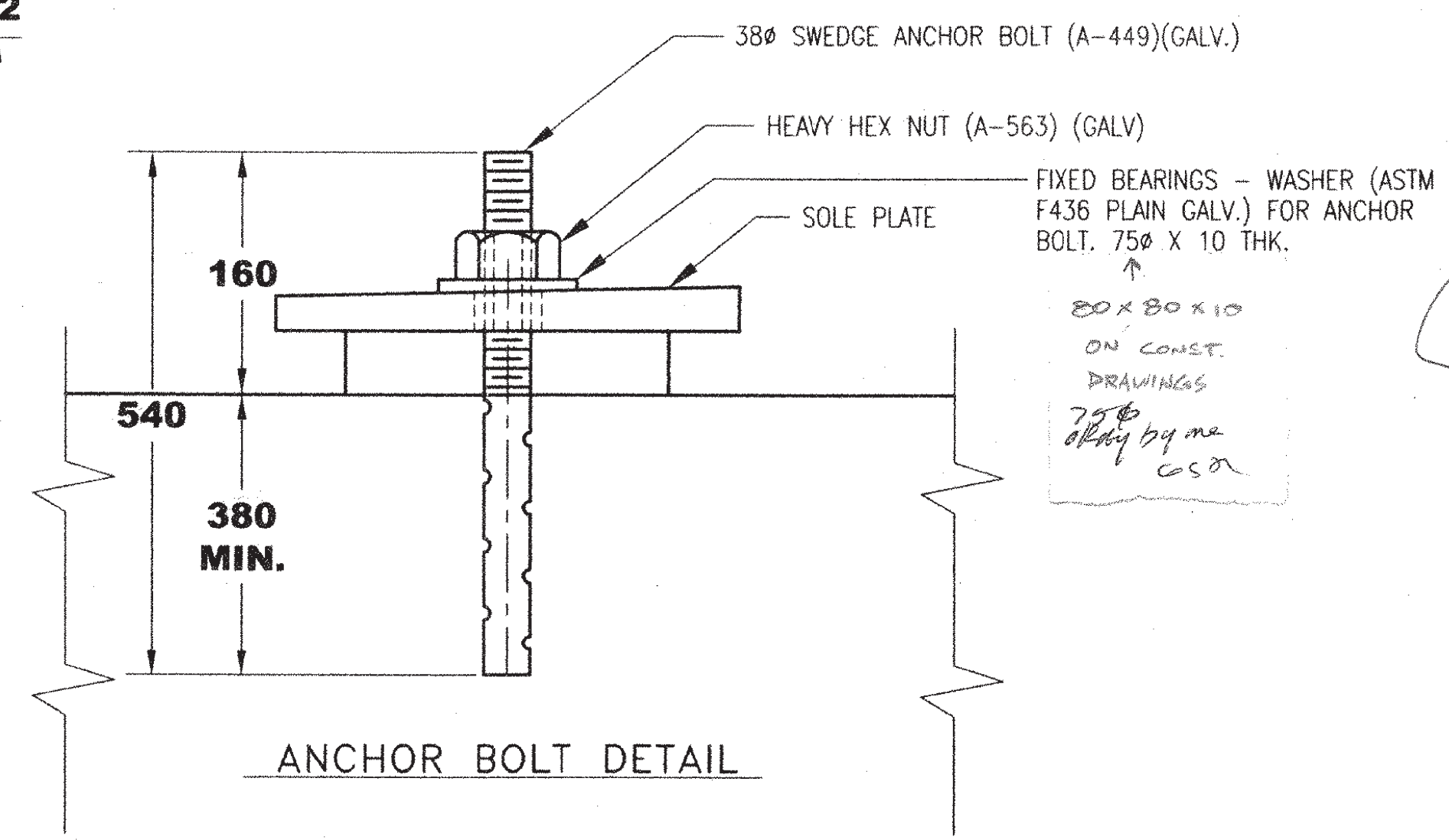


SIDE VIEW



SECTION A-A

**FIXED BEARING AT ABUTMENT 1
(4-REQ'D)**



- NOTES:**
- BEARINGS TO BE MANUFACTURED ACCORDING TO ASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16th EDITION, 1996 WITH CURRENT INTERIMS (1997 & 1998, SECTION #14.)
 - THE BEARINGS ARE DESIGNED SO THAT THE SUPERSTRUCTURE MAY BE ERECTED WHEN THE AMBIENT AIR TEMPERATURE IS WITHIN THE RANGE OF 40 DEG. F. TO 90 DEG. F.
 - ALL STEEL PRODUCED IN THE U.S.A.
 - CONTACT PETER SOMOGYI, COORDINATOR.
 - TOLERANCES: THICKNESS -0+1/8
PLAN -0+1/8
 - MANUFACTURING FACILITY LOCATION:
AMSCOT STRUCTURAL PRODUCTS INC.
241 EAST BLACKWELL STREET
DOVER, NJ 07801
 - ALL DIMENSIONS ARE IN MILLIMETERS.
 - ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.
 - ALL STEEL SHALL BE GALVANIZED OR METALIZED AS PER SUBSECTION 531.04(b) AND 506.15 OF THE GENERAL SPECIAL PROVISIONS.
 - ALL STEEL IN BEARING DEVICE TO BE ASHTO M-270 GR. 345.
 - PRIOR TO GALVANIZING OR METALIZING, ALL CORNERS AND EDGES OF STEEL PLATES, SHAPES, ETC., SHALL BE GROUND TO A 1/16 INCH RADIUS (TYP)
 - A MINIMUM THICKNESS OF SIX MILS SHALL BE APPLIED TO METALIZED SURFACES (TYP)
 - EXTERIOR SURFACES SHALL BE SEALED WITH AN APPROVED SEALANT CONFORMING TO THE RECOMMENDATIONS OF THE THERMAL SPRAY SUPPLIER

Structuring

RECEIVED
 OK'D BY *ML* OK'D BY *Car*
 APR 07 2003
 RESUBMIT _____ APPROVED *As noted*
 BY GSR DATE 4/17/03

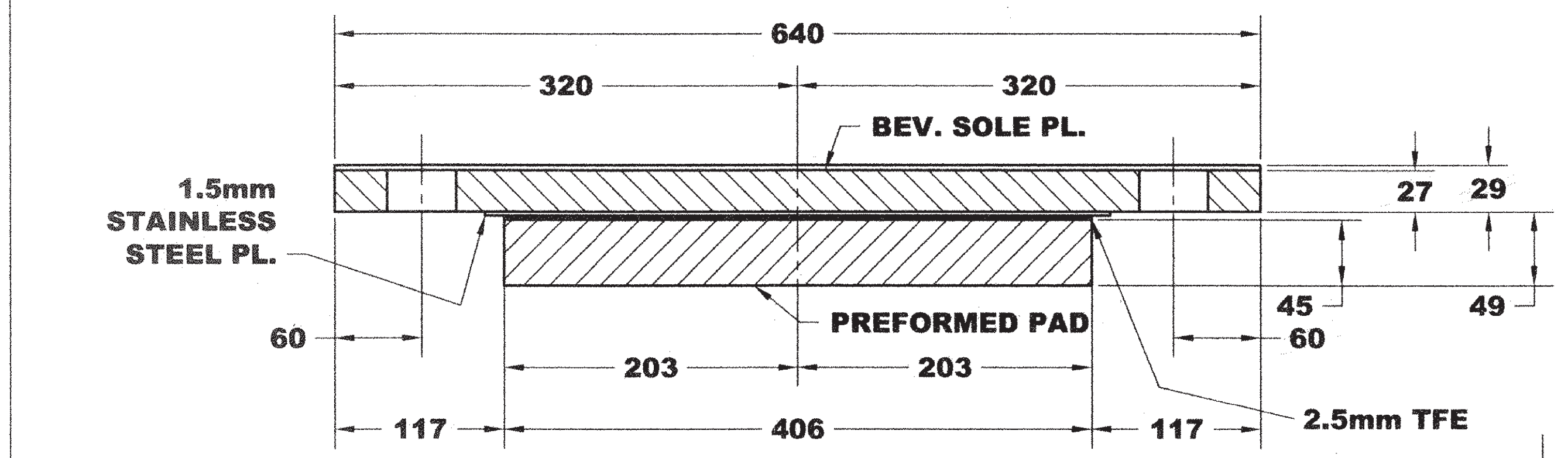
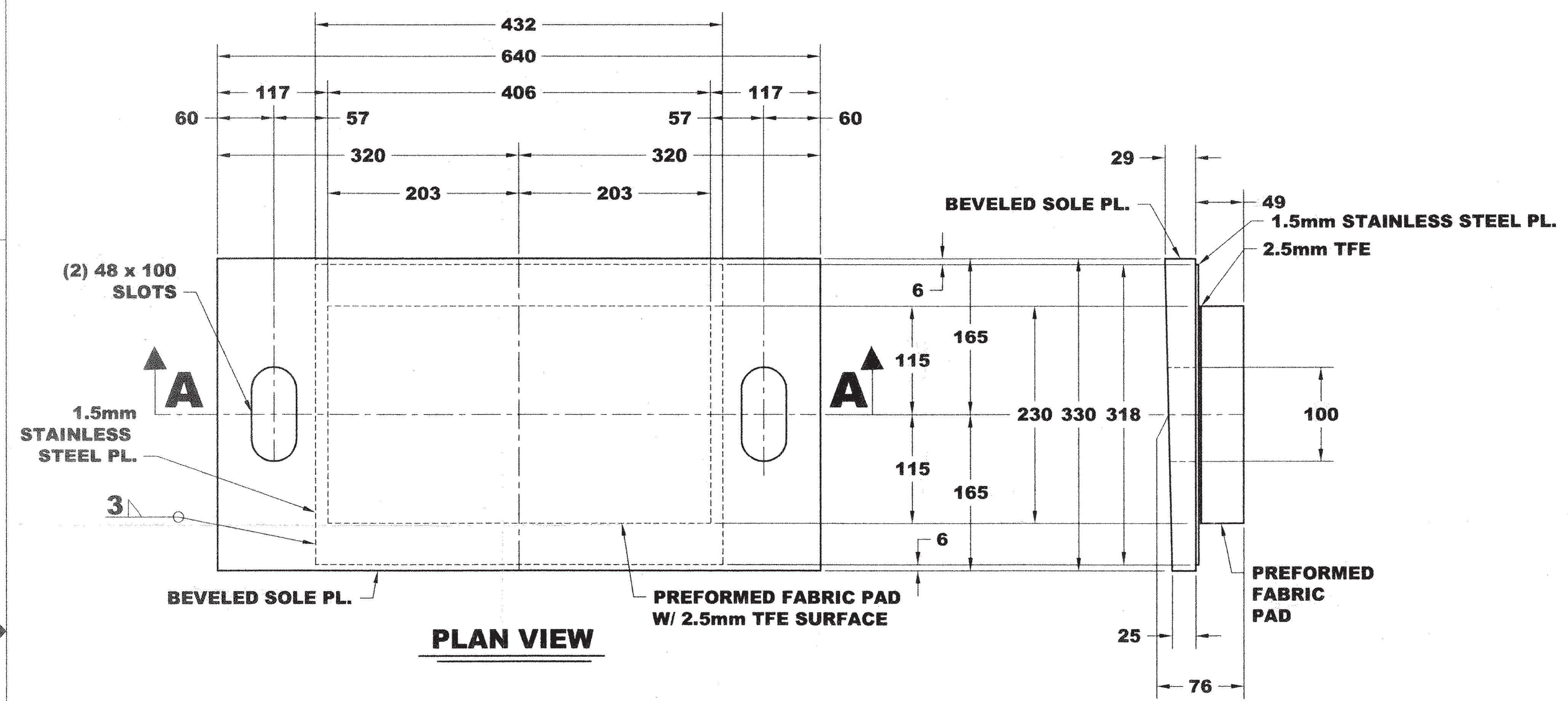
VERMONT AGENCY OF TRANSPORTATION
 NY BRO 1443 (32)
 FAIRHAVEN-HAMPTON
 COUNTY OF RUTLAND, VT.

FIXED BEARING AT ABUTMENT 1

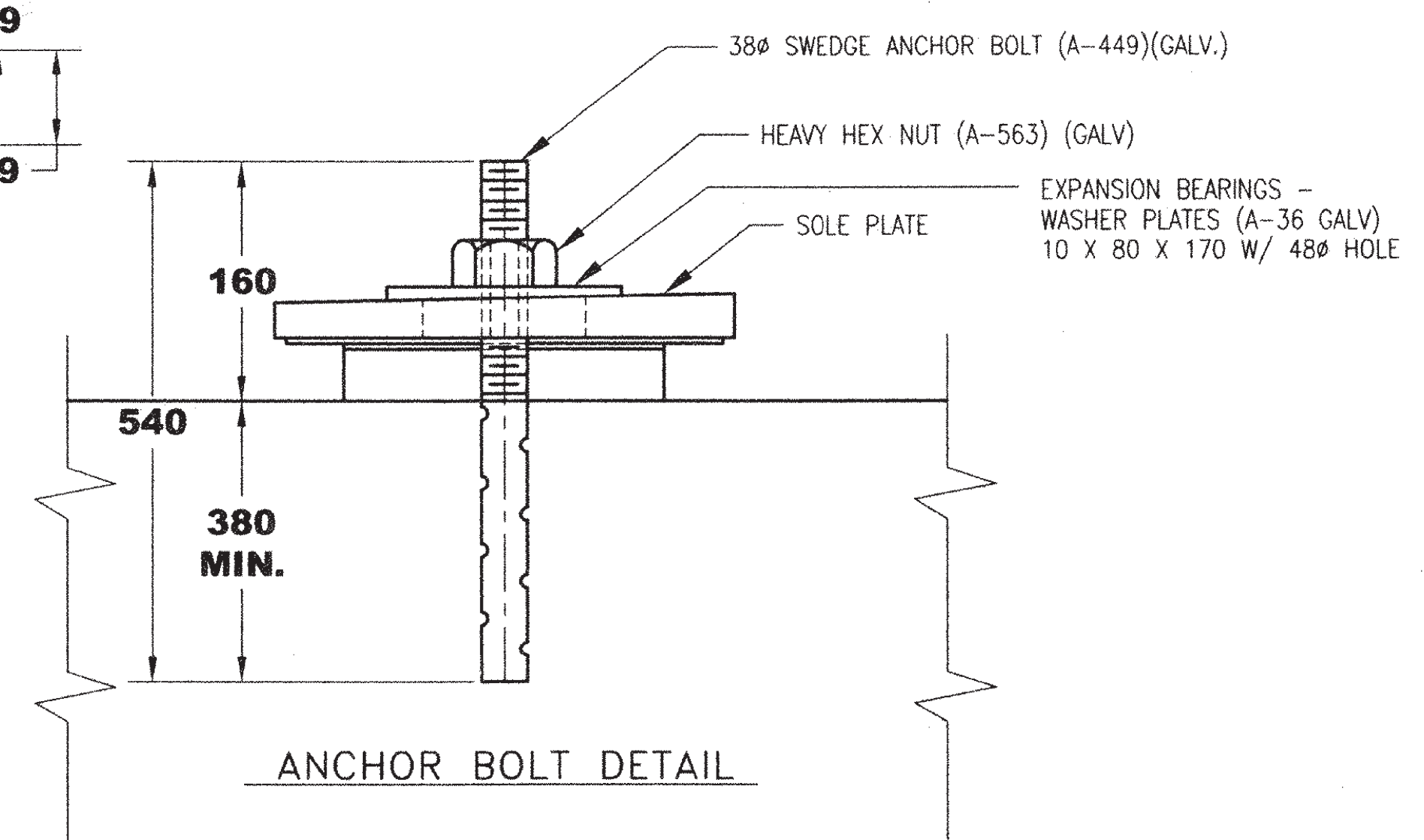
AMSCOT
 STRUCTURAL PRODUCTS CORP.

SCALE: N.T.S.	APPR'D:	DRAWN BY: EJJ
DATE: 3/11/03		REV.: 0
AUSTIN CONSTRUCTION INC.		
P.O. #03-01-1443	SHEET NO. 1 of 2	DWG NO: AC03A1R0

ZONE	REV	DESCRIPTION	DATE	APPROVED



SIDE VIEW



EXPANSION BEARING AT ABUTMENT 2 (4-REQ'D)

- NOTES:
- BEARINGS TO BE MANUFACTURED ACCORDING TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16th EDITION, 1996 WITH CURRENT INTERIMS (1997 & 1998, SECTION #14.)
 - THE BEARINGS ARE DESIGNED SO THAT THE SUPERSTRUCTURE MAY BE ERECTED WHEN THE AMBIENT AIR TEMPERATURE IS WITHIN THE RANGE OF 40 DEG. F. TO 90 DEG. F.
 - ALL STEEL PRODUCED IN THE U.S.A.
 - CONTACT PETER SOMOGYI, COORDINATOR.
 - TOLERANCES: THICKNESS -0+1/8
PLAN -0+1/8
 - MANUFACTURING FACILITY LOCATION:
AMSCOT STRUCTURAL PRODUCTS INC.
241 EAST BLACKWELL STREET
DOVER, NJ 07801
 - ALL DIMENSIONS ARE IN MILLIMETERS.
 - ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.
 - ALL STEEL SHALL BE GALVANIZED OR METALIZED AS PER SUBSECTION 531.04(b) AND 506.15 OF THE GENERAL SPECIAL PROVISIONS EXCEPT STAINLESS STEEL.
 - ALL STEEL IN BEARING DEVICE TO BE AASHTO M-270 GR. 345.
 - STAINLESS STEEL IN BEARING DEVICE TO BE TYPE 304. THE SURFACE FINISH OF THE CONTACT (SLIDING) FACE OF THE STAINLESS STEEL SHALL HAVE A MIRROR FINISH OF LESS THAN 0.25µM (10 MICROINCHES) RMS (ROOT MEAN SQUARED)

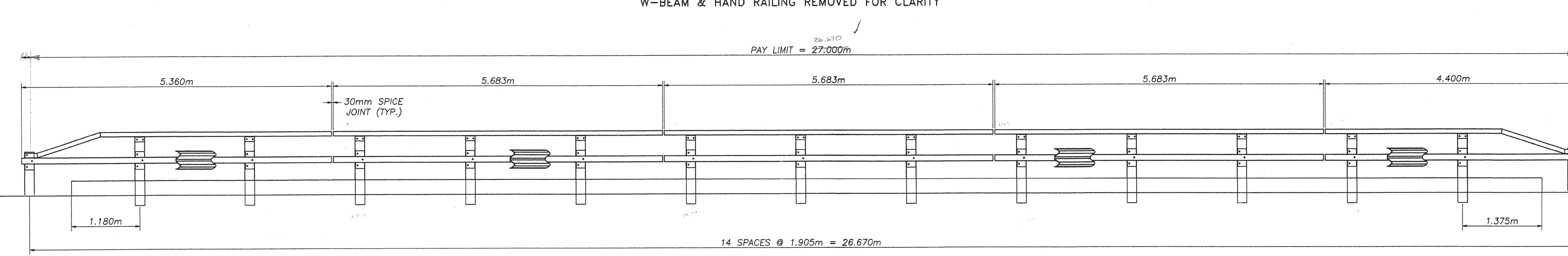
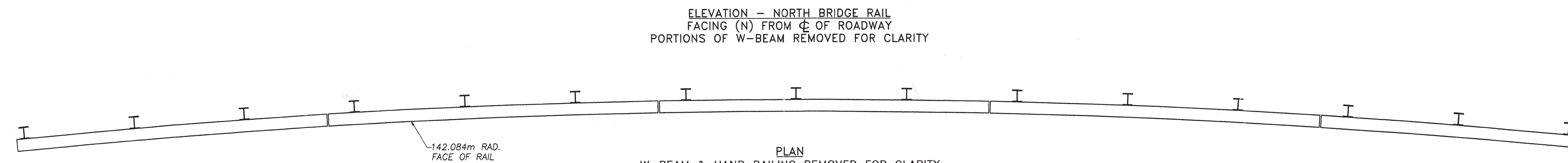
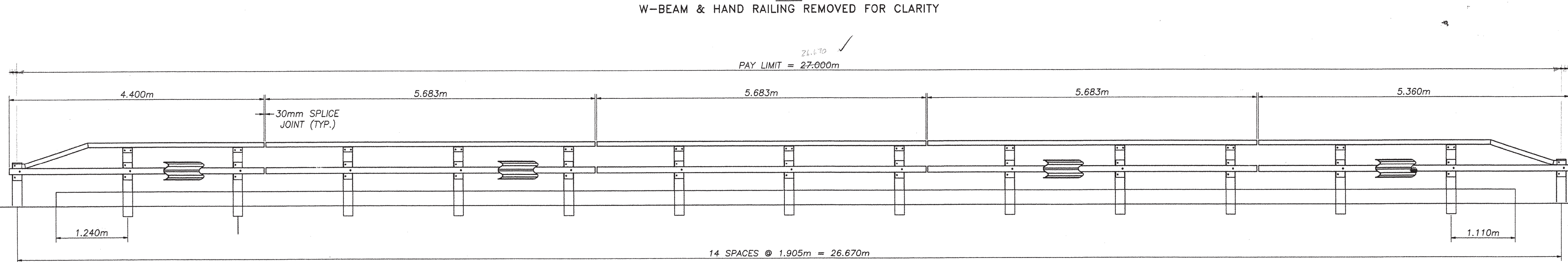
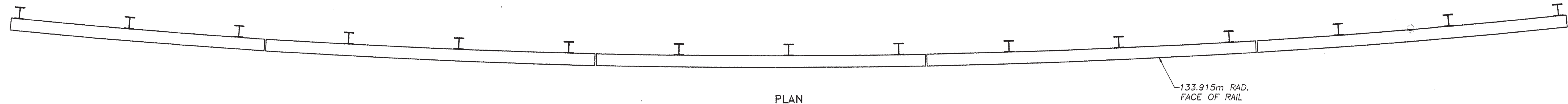
RECEIVED
 OK'D BY: PKP OK'D BY: [Signature]
 APR 07 2003
 RESUBMIT APPROVED AS NOTED
 BY: GSR DATE: 4/17/03

VERMONT AGENCY OF TRANSPORTATION
 NY BRO 1443 (32)
 FAIRHAVEN-HAMPTON
 COUNTY OF RUTLAND, VT.

EXPANSION BEARING AT ABUTMENT 2

AMSCOT
 STRUCTURAL PRODUCTS CORP.

SCALE: N.T.S.	APPR'D:	DRAWN BY: EJJ
DATE: 3/11/03		REV.: 0
AUSTIN CONSTRUCTION INC.		
P.O. #03-01-1443	SHEET NO. 2 of 2	DWG NO: AC03A2R0



Handwritten calculations:

$$\begin{array}{r} 1.905 \\ 57.15 \\ \hline 53.60 \\ .352 \\ \hline 1.480 \\ 2.450 \text{ OK} \end{array}$$

$$\begin{array}{r} 1.905 \\ 11.480 \\ \hline 10.743 \\ .487 \end{array}$$

ELEVATION - SOUTH BRIDGE RAIL
FACING (S) FROM ϕ OF ROADWAY
PORTIONS OF W-BEAM REMOVED FOR CLARITY

TOTAL PAY LIMIT FOR ITEM 525.44 = 54.000m
53.340 ✓

Handwritten calculations:

$$\begin{array}{r} 4.400 \\ 3.810 \\ \hline .590 \\ -1.17 \\ \hline .420 \end{array}$$

$$\begin{array}{r} 10.083 \\ 8.525 \\ \hline 1.558 \\ -1.112 \\ \hline .446 \\ 2.450 \text{ OK} \end{array}$$



REVISIONS		
No.	Remarks	Date
0	Initial submittal	4/30/03

RECEIVED
 OK'D BY: *PK* OK'D BY: *GSR*
 MAY 07 2003
 RESUBMIT: _____ APPROVED: *As Noted*
 BY: *GSR* DATE: *5/16/03*

HIGHWAY SAFETY CORP.
 GLASTONBURY, CT

ITEM 525.44 - FASCIA MTD. TUBING W/HANDRAIL
 TOWN OF FAIR HAVEN, VT
 RUTLAND COUNTY, OVER POULTNEY RIVER
 ROUTE No. TH 6, CL 2 BRIDGE No. 6
 PROJECT No. BRO 1443(32)

DRAWN: J. Ruiz
 CHECKED: *[Signature]*
 DATE: 4/25/03
 SCALE: NONE
 HSC REFERENCE NO.: 1350
 GENERAL CONTRACTOR: _____
 SUB CONTRACTOR: F.R. LAFAYETTE
 SIZE: D REVISION: 0
 SHEET NO.: 1 of 2

