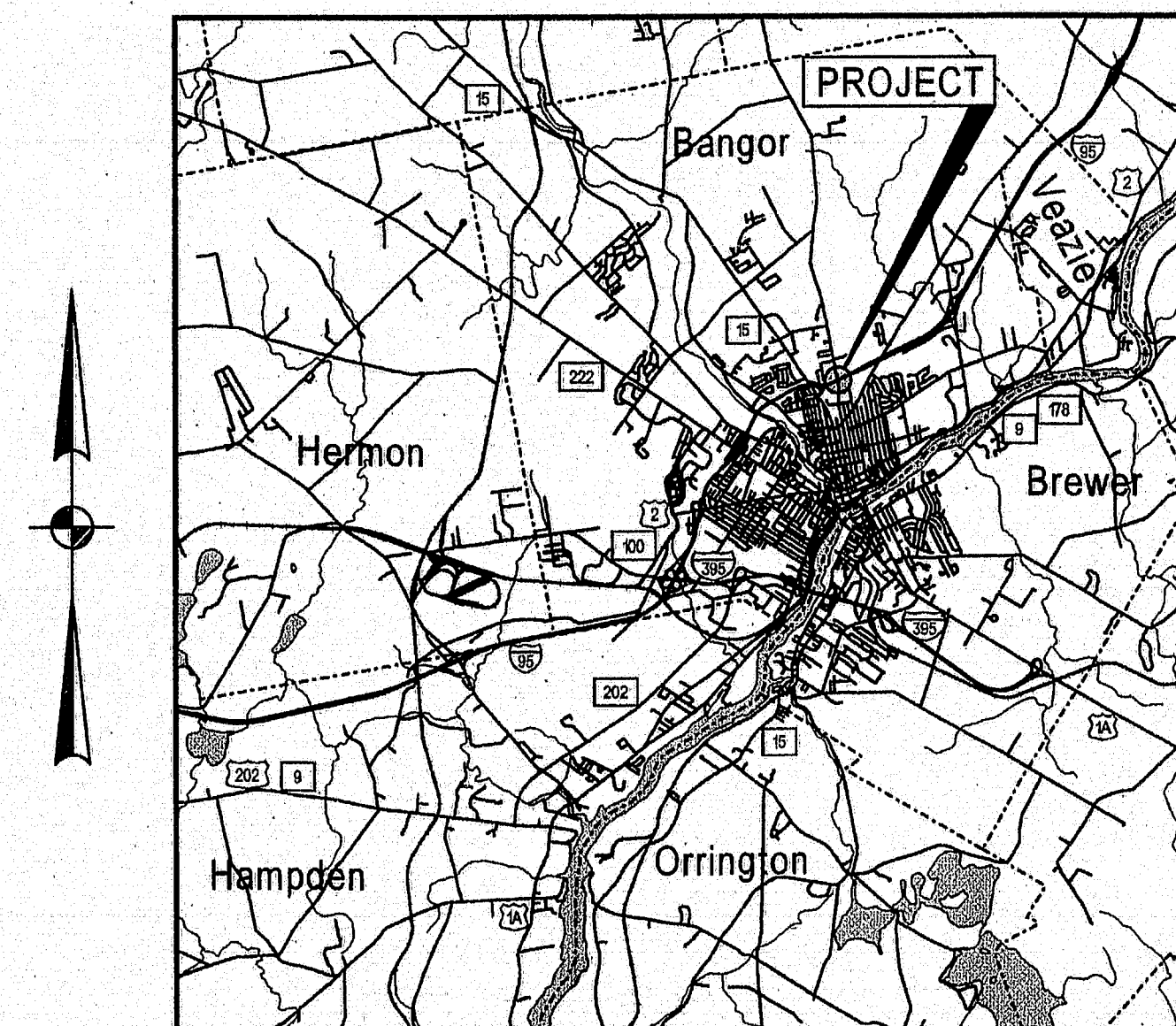


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



BANGOR
PENOBSCOT COUNTY
ESSEX STREET BRIDGE
OVER
INTERSTATE 95
ESSEX STREET

FEDERAL AID PROJECT NO. AC-IM-1264(200)E
PROJECT LENGTH 0.071 mi.
BRIDGE REPLACEMENT
BRIDGE NO. 5822



LOCATION MAP

Scale in Miles

SPECIFICATIONS

Design: AASHTO LRFD Bridge Design Specifications, Fourth Edition, 2006.

DESIGN LOADING

Live Load HL - 93 Modified

TRAFFIC DATA

Current (2005) AADT 8990
Future (2025) AADT 13490
DHV - % of AADT 11%
Design Hour Volume 1484
% Heavy Trucks (AADT) 6%
% Heavy Trucks (DHV) 4%
Directional Distribution (DHV) 55%
18 kip Equivalent P 2.0 251
18 kip Equivalent P 2.5 248
Design Speed (mph) 45

MATERIALS

Concrete (Unless noted otherwise) Class "A"
Concrete (Precast) Class "P"
Concrete (Curbs, Sidewalks & Transition Barriers) Class "LP"
Reinforcing Steel (Def. Chromium) ASTM A 1035/A 1035M, Grade 75
Structural Steel ASTM A 709/A 709M, Grade 36
High Strength Bolts ASTM A 325, Type 1
Prestressing Strand AASHTO 203 (ASTM A 416),
Grade 270, Low Relaxation

BASIC DESIGN STRESSES

Concrete $f'c = 4,350$ psi
Concrete (Precast) $f'c = 6,000$ psi
Concrete (Precast) $f'ci = 4,000$ psi
Reinforcing Steel (Deformed Chromium) $f_y = 75,000$ psi
Structural Steel:
ASTM A 709/A 709M, Grade 36 $F_y = 36,000$ psi
ASTM A 325 $F_u = 120,000$ psi
Prestressing Strand $F_u = 270,000$ psi

UTILITIES

Bangor Hydro-Electric Company
Bangor Water District
Time Warner Cable
Verizon

MAINTENANCE OF TRAFFIC

Essex Street will be closed to through traffic during construction with traffic rerouted via city streets south to the Broadway / Interstate 95 interchange.

Two lanes of northbound and southbound traffic will be maintained on Interstate 95 during substructure construction utilizing shoulders for lane shifting.

Night closures of six consecutive nights each for the northbound and southbound lanes will be permitted to allow for installation of the box beams.

LIST OF DRAWINGS

Title Sheet	1
Estimated Quantities & Notes	2
General Plan	3
Profile	4
Boring Location Plan & ISP and Boring Logs	5 - 6
Highway Approach Cross - Sections	7 - 10
Abutment No. 1	11 - 14
Abutment No. 2	15 - 18
Pier	19 - 21
Superstructure	22 - 23
Precast Box Beams	24 - 25
Snow Fence Details	26
Reinforcing Steel Schedule	27
Right of Way Map	28
Traffic Control Plan	29 - 30

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER	<i>[Signature]</i>	8/1/07
CHIEF ENGINEER	<i>[Signature]</i>	8/1/07

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	8/1/07	8675	8/1/07

PROJECT INFORMATION	PROGRAM	BRIDGE PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
	DEVIN ANDERSON		BENJAMIN SCHNEIDERMAN	WA				

BANGOR ESSEX STREET BRIDGE	TITLE SHEET
-------------------------------	-------------

SHEET NUMBER
1
OF 30

PIN 12642.00

AC-IM-1264(200)E

143-474

Date: 8/9/2007

Username: donaldamren

Division: BRIDGE

Filename: ... \Bridge\msta\002_Estimate.dgn

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.19	REMOVING EXISTING BRIDGE	1	LS
203.20	COMMON EXCAVATION	800	CY
203.24	COMMON BORROW	20	CY
203.25	GRANULAR BORROW	90	CY
206.07	STRUC. ROCK EXC. - DRAINAGE & MINOR STRUC. BELOW GRADE	10	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	825	CY
206.092	STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	110	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	1100	CY
403.209	HOT MIX ASPHALT 9.5 MM HMA (INCID.)	37	T
403.210	HOT MIX ASPHALT 9.5 MM HMA	276	T
403.213	HOT MIX ASPHALT 12.5 MM HMA BASE	130	T
409.15	BITUMINOUS TACK COAT APPLIED	50	G
502.21	STRUCTURAL CONCRETE ABUTMENTS & RETAINING WALLS	210	CY
502.219	STRUCTURAL CONCRETE ABUTMENTS & RETAINING WALLS (83 CY)	1	LS
502.23	STRUCTURAL CONCRETE PIERS	53	CY
502.239	STRUCTURAL CONCRETE PIERS (65 CY)	1	LS
502.25	STRUCTURAL CONCRETE SUPERSTRUCTURE SLAB	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLAB (23 CY)	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS (64 CY)	1	LS
502.56	CONCRETE FILL	60	CY
503.24	MMFX 2 REINFORCING STEEL FABRICATED AND DELIVERED	68,000	LB
503.25	MMFX 2 REINFORCING STEEL PLACING	68,000	LB
504.70	STRUCTURAL STEEL FABRICATED & DELIVERED (1076 LB)	1	LS
504.71	STRUCTURAL STEEL ERECTION (1076 LB)	1	LS
507.081	STEEL BRIDGE RAILING, 2 BAR (203 LF)	1	LS
507.083	STEEL BRIDGE RAILING, 4 BAR (197 LF)	1	LS
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (600 SY)	1	LS
511.07	COFFERDAM - PIER	1	LS
512.081	FRENCH DRAINS (145 LF)	1	LS
514.06	CURING BOX FOR CONC CYLINDERS	1	EA
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (390 SY)	1	LS
526.301	TEMPORARY CONCRETE BARRIER TYPE I (400 LF)	1	LS
526.34	PERMANENT CONCRETE TRANSITION BARRIER	4	EA
535.62	PRESTRESSED STRUCTURAL CONCRETE BOX BEAM (382 CY)	1	LS
603.16	15" CULVERT PIPE OPTION I	146	LF
603.169	15" CULVERT PIPE OPTION III	26	LF
603.19	24" CULVERT PIPE OPTION I	56	LF
603.199	24" CULVERT PIPE OPTION III	26	LF
603.80	24" INLET GRATE UNIT	1	EA
604.092	CATCH BASIN TYPE BHC	6	EA
606.1721	BRIDGE TRANSITION - TYPE I	4	EA
606.23	GUARDRAIL TYPE 3C - SINGLE RAIL	13	LF
606.231	GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	25	LF
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1	EA
606.65	GUARDRAIL - THRIE BEAM - SINGLE RAIL	200	LF
606.70	TRANSITION SECTION THRIE BEAM	4	EA
606.79	GUARDRAIL 350 FLARED TERMINAL	3	EA
607.184	CHAIN LINK SNOW FENCE - 3 FOOT	240	LF
607.25	REMOVE & RESET CHAIN LINK FENCE	105	LF
607.421	SCREENING FENCE	500	LF
609.31	CURB TYPE 3	210	LF
610.18	STONE DITCH PROTECTION	150	CY
613.319	EROSION CONTROL BLANKET	100	SY
615.07	LOAM	16	CY
618.1301	SEEDING METHOD NUMBER 1 - PLAN QUANTITY	3	UN
618.15	TEMPORARY SEEDING	5	LB
619.1201	MULCH - PLAN QUANTITY	3	UN
620.58	EROSION CONTROL GEOTEXTILE	100	SY
627.711	WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1440	LF
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL - PURPOSE EXCAVATOR (INC OPERATOR)	10	HR
631.172	TRUCK - LARGE (INC OPERATOR)	10	HR
639.18	FIELD OFFICE TYPE A	1	EA
652.38	FLAGGER	100	HR
652.39	WORK ZONE TRAFFIC CONTROL	1	LS
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL PLAN	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. During construction, Essex Street will be closed to traffic for a time period specified in the Special Provisions.

2. For easements, construction limits and right of way lines, refer to Right of Way Map.

3. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract Items.

4. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

5. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.

6. In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.

7. Place Stone Ditch Protection 2 feet thick on sideslopes around the abutment wingwalls.

8. An NCHRP350 compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.

9. Existing guardrail located along both sides of the pier within the median of Interstate 95 shall be replaced with thrie beam guardrail as shown. Posts shall be driven as close as possible to the faces of the pier columns. Payment for the doubled beam and post spacing will be made at twice the length of thrie beam guardrail installed. Payment for removal of existing guardrail will be considered incidental to contract items.

10. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.

11. All reinforcing steel shall be MMFX 2 rebar.

12. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs and sidewalks,
Fascias down to the drip notch,
All exposed surfaces of Concrete Transition Barriers.

13. Bidders and Contractors may obtain a copy of the existing bridge plans by contacting the Project Manager. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.

14. Bidders and Contractors may obtain a copy of the project geotechnical reports: Geotechnical Data Report, Essex Street/I-95 Bridge, Bangor, Maine, GZA GeoEnvironmental Inc., Soils Report Number 2006-220, August 2006, and Geotechnical Design Report, Essex Street/I-95 Bridge, Bangor, Maine, GZA GeoEnvironmental Inc., Soils Report Number 2006-108C, November 2006, by contacting the Project Manager.

15. Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidders' or Contractor's interpretations of, or conclusions drawn from, the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between the boring locations.

16. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:

a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.

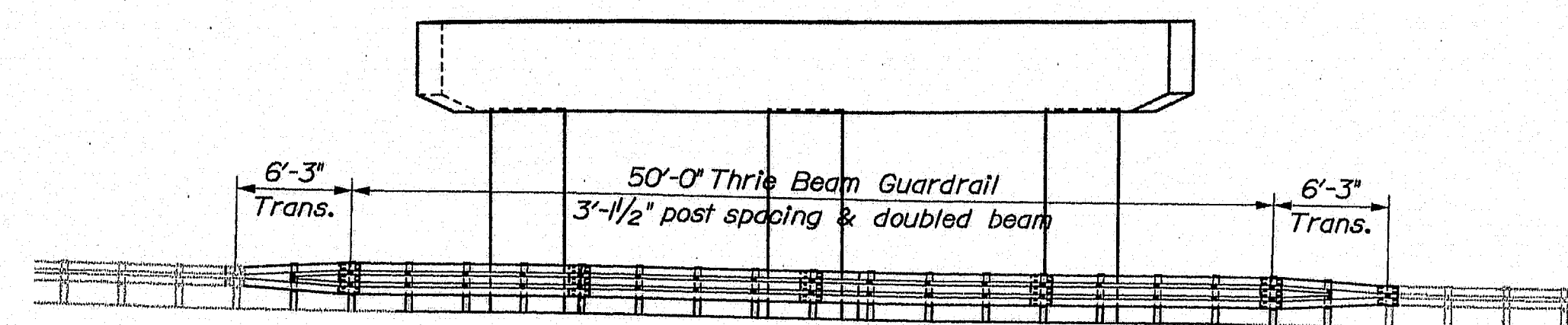
b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.

c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.

17. The Contractor shall submit a Bridge Demolition Plan to the Resident at least 10 business days prior to the start of demolition work. The plan shall outline the methods and equipment to be used to remove and dispose of all materials included in the existing bridge. No work related to the removal of the bridge shall be undertaken by the Contractor until MaineDOT has reviewed the Bridge Demolition Plan for appropriateness and completeness. Payment for all work necessary for developing, submitting and finalizing the Demolition Plan will be considered incidental to the bridge removal pay item.

18. The existing bridge shall be removed by and become the property of the Contractor. The steel portions of the existing bridge are coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated by the process of demolishing the bridge. The Contractor is responsible for implementing appropriate OSHA mandated personal protection standards related to this process. Once the existing bridge is removed, the Contractor is solely responsible for the care, custody and control of the components of the existing bridge and any hazardous waste generated as a result of the storage, recycling or disposal of the bridge components, including lead-coated steel. The Contractor shall recycle or reuse the steel in accordance with the Maine Department of Environmental Protection's "Maine Hazardous Waste Management Regulations," Chapter 850. A copy of this regulation is available at MaineDOT's offices on Child Street in Augusta. Payment for all labor, materials, equipment and other costs required to remove and dispose of the existing bridge will be considered incidental to the bridge removal pay item.

19. A privacy screen shall be installed on the temporary concrete barrier placed along Interstate 95 in accordance with Special Provisions Section 607, Screening Fence.



GUARDRAIL PLACEMENT ALONG INTERSTATE 95

Typical both sides of pier

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-1164(200)E		BRIDGE NO. 5622	
PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		INTERSTATE 95	
BANGOR		PENOBSCOT COUNTY	
ESTIMATED QUANTITIES & NOTES		SHEET NUMBER	
2		OF 30	

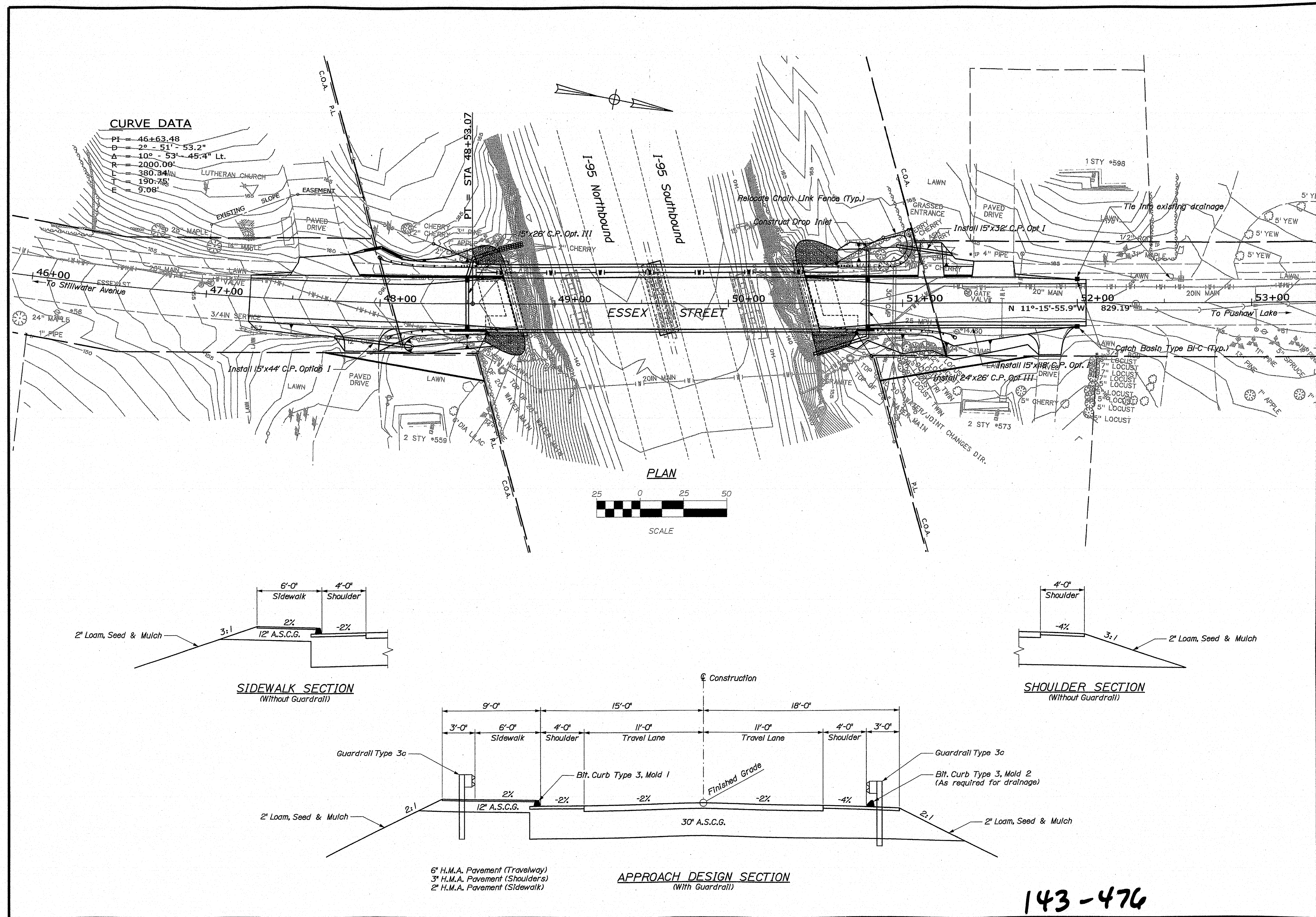
143 - 475

Filename: ... \msta 003_General Plan.dgn

Division: BRIDGE

Username: dana.damren

Date: 8/9/2007



143-476

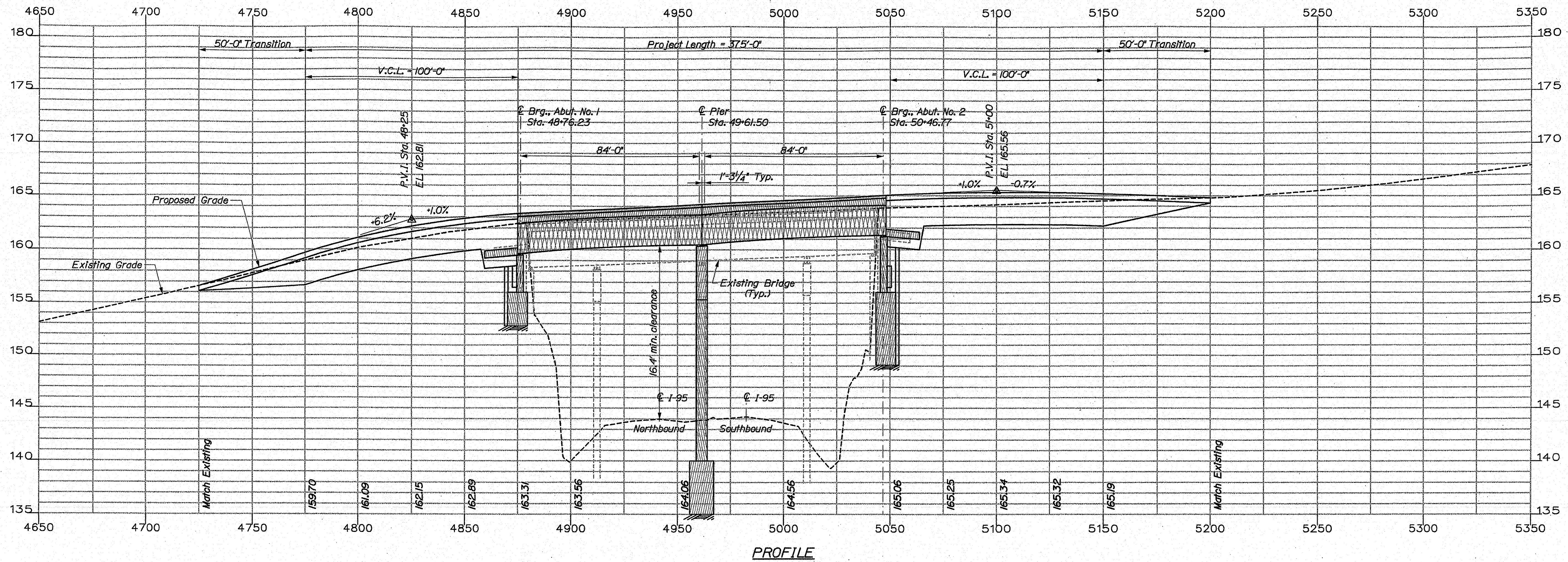
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E		BRIDGE NO. 5822	
PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		INTERSTATE 95	
BANGOR		PENOBSCOT COUNTY	
SHEET NUMBER		GENERAL PLAN	
3		OF 30	

Date: 8/9/2007

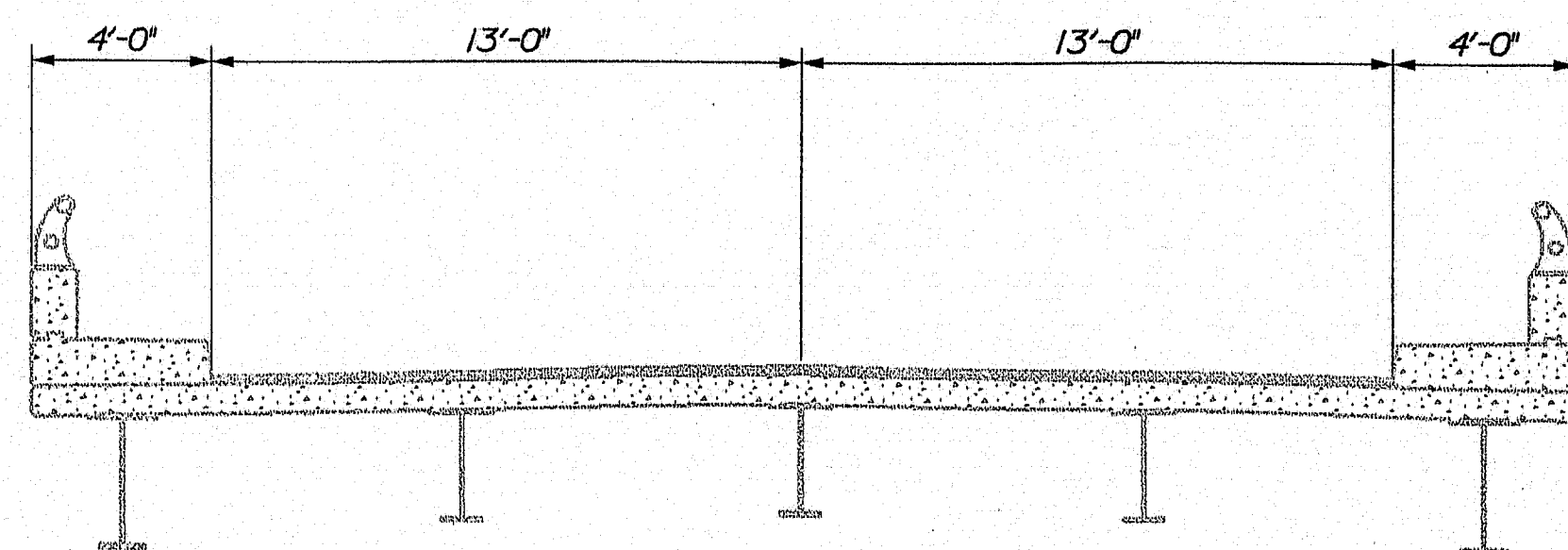
Username: dana.damren

Division: BRIDGE

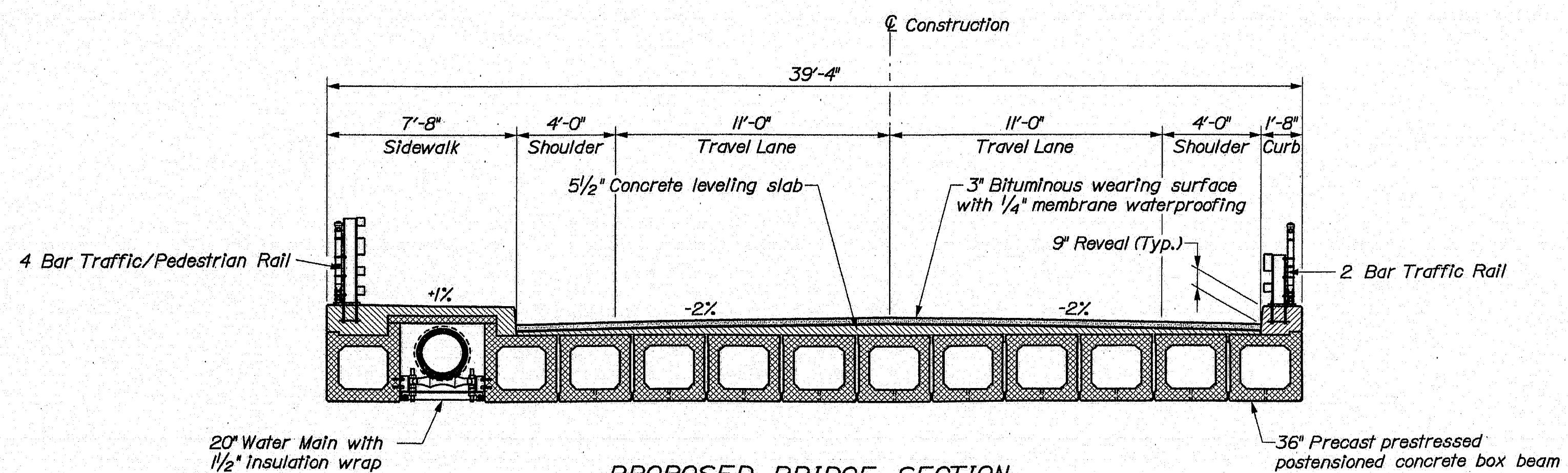
Filename: ...\\00\\bridge\\msta\\004_Profile.dgn



PROFILE



EXISTING BRIDGE SECTION



PROPOSED BRIDGE SECTION

143-477

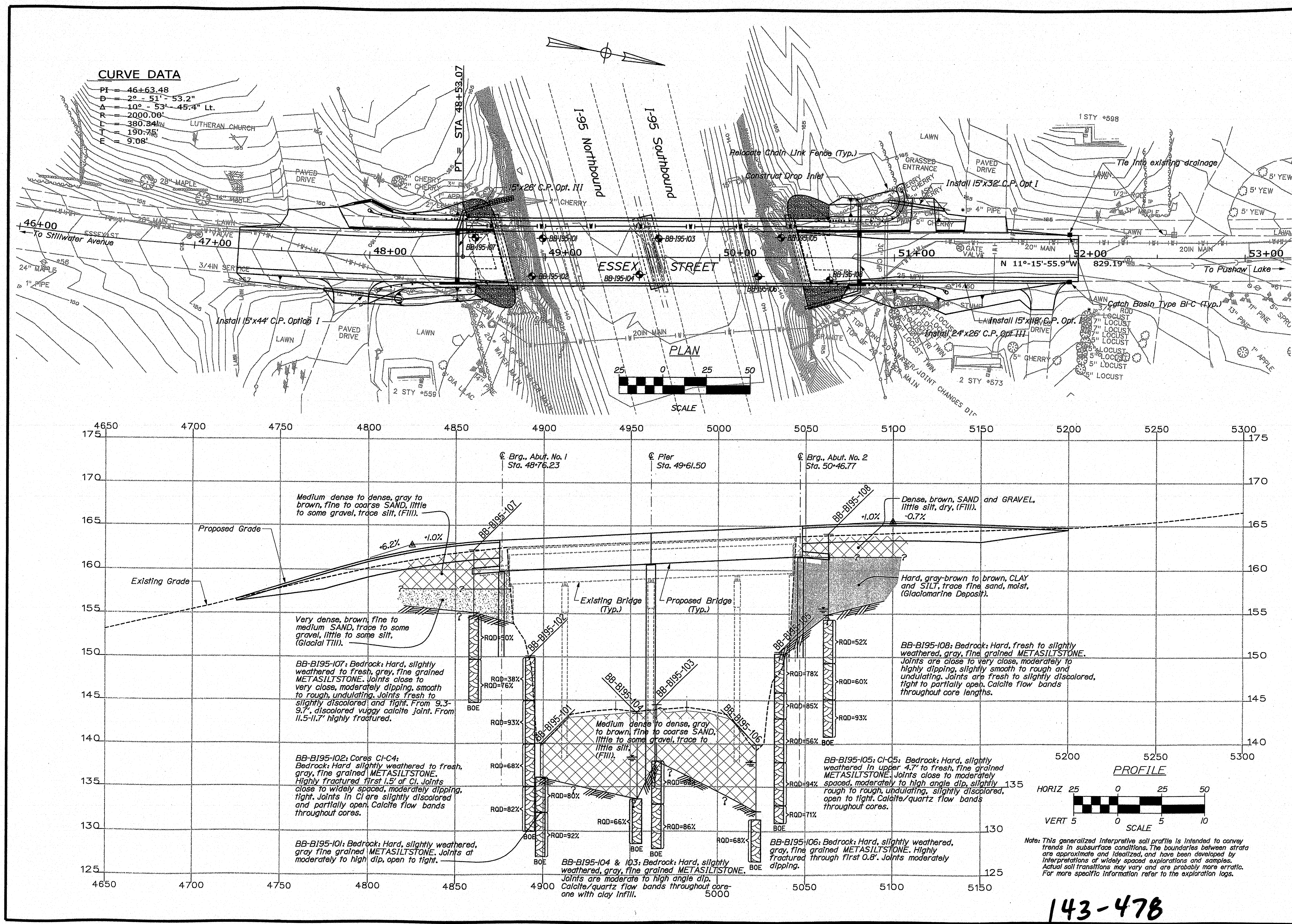
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E	
ESSEX STREET BRIDGE		INTERSTATE 95		BANGOR	
PENOBSCOT COUNTY		PROFILE		SHEET NUMBER	
4		OF 30		BRIDGE NO. 5822	
PIN		12642.00		BRIDGE PLANS	
PROJECT MANAGER		DESIGNER		CHECKER	
DATE		DATE		DATE	
BY		BY		BY	
SIGNATURE		SIGNATURE		SIGNATURE	
P.E. NUMBER		P.E. NUMBER		P.E. NUMBER	
DATE		DATE		DATE	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

Date: 8/9/2007

Username: dana.danren

Division: BRIDGE

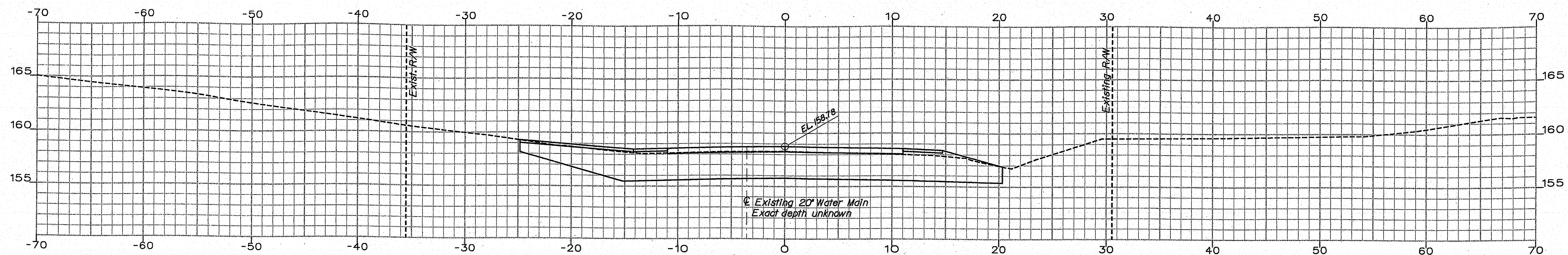
Filename: ... \GEOTECH\WSTA005_BLP&SP1.dgn



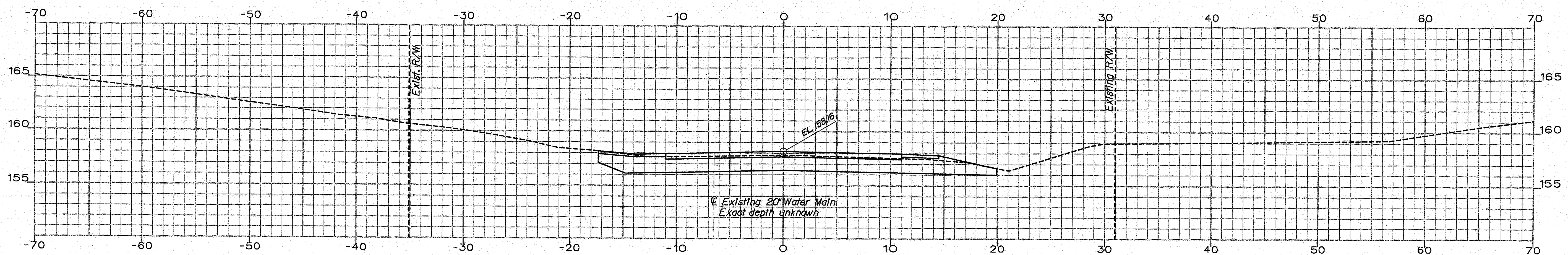
Maine Department of Transportation				Project Name: 116 Bridge		Boring No: BB-8195-103	
Soil/Bore Description Log				Location: Barre, ME		PIN: 12642.00	
Driller: East Coast Exploration				Elevation (ft.): 144.5		Auger 10/001: 4.08' SSA	
Operator: Chris Palmer				Drillbit: MWD 1818		Sampler: Split Spoon	
Clogged By: J. 12/3/02				B-23 2002		Sampler 10/001: 1000-100' / 100-100'	
Core Start/Finish: 07/13/02				Drilling Method: Hand Boring		Core 10/001: 1000-100' / 100-100'	
Boring Location: Site 4945-0, 11.4' LT				Casing 10/001: 100' (47.1', 52.9') Safetynet		Water Levels: Not encountered	
Notes: 0 = 100% loose sand 1 = 100% gravel 2 = 100% fill 3 = 100% clay 4 = 100% silt 5 = 100% sand 6 = 100% gravel 7 = 100% fill 8 = 100% clay 9 = 100% silt 10 = 100% sand 11 = 100% gravel 12 = 100% fill 13 = 100% clay 14 = 100% silt 15 = 100% sand 16 = 100% gravel 17 = 100% fill 18 = 100% clay 19 = 100% silt 20 = 100% sand 21 = 100% gravel 22 = 100% fill 23 = 100% clay 24 = 100% silt 25 = 100% sand 26 = 100% gravel 27 = 100% fill 28 = 100% clay 29 = 100% silt 30 = 100% sand 31 = 100% gravel 32 = 100% fill 33 = 100% clay 34 = 100% silt 35 = 100% sand 36 = 100% gravel 37 = 100% fill 38 = 100% clay 39 = 100% silt 40 = 100% sand 41 = 100% gravel 42 = 100% fill 43 = 100% clay 44 = 100% silt 45 = 100% sand 46 = 100% gravel 47 = 100% fill 48 = 100% clay 49 = 100% silt 50 = 100% sand 51 = 100% gravel 52 = 100% fill 53 = 100% clay 54 = 100% silt 55 = 100% sand 56 = 100% gravel 57 = 100% fill 58 = 100% clay 59 = 100% silt 60 = 100% sand 61 = 100% gravel 62 = 100% fill 63 = 100% clay 64 = 100% silt 65 = 100% sand 66 = 100% gravel 67 = 100% fill 68 = 100% clay 69 = 100% silt 70 = 100% sand 71 = 100% gravel 72 = 100% fill 73 = 100% clay 74 = 100% silt 75 = 100% sand 76 = 100% gravel 77 = 100% fill 78 = 100% clay 79 = 100% silt 80 = 100% sand 81 = 100% gravel 82 = 100% fill 83 = 100% clay 84 = 100% silt 85 = 100% sand 86 = 100% gravel 87 = 100% fill 88 = 100% clay 89 = 100% silt 90 = 100% sand 91 = 100% gravel 92 = 100% fill 93 = 100% clay 94 = 100% silt 95 = 100% sand 96 = 100% gravel 97 = 100% fill 98 = 100% clay 99 = 100% silt 100 = 100% sand 101 = 100% gravel 102 = 100% fill 103 = 100% clay 104 = 100% silt 105 = 100% sand 106 = 100% gravel 107 = 100% fill 108 = 100% clay 109 = 100% silt 110 = 100% sand 111 = 100% gravel 112 = 100% fill 113 = 100% clay 114 = 100% silt 115 = 100% sand 116 = 100% gravel 117 = 100% fill 118 = 100% clay 119 = 100% silt 120 = 100% sand 121 = 100% gravel 122 = 100% fill 123 = 100% clay 124 = 100% silt 125 = 100% sand 126 = 100% gravel 127 = 100% fill 128 = 100% clay 129 = 100% silt 130 = 100% sand 131 = 100% gravel 132 = 100% fill 133 = 100% clay 134 = 100% silt 135 = 100% sand 136 = 100% gravel 137 = 100% fill 138 = 100% clay 139 = 100% silt 140 = 100% sand 141 = 100% gravel 142 = 100% fill 143 = 100% clay 144 = 100% silt 145 = 100% sand 146 = 100% gravel 147 = 100% fill 148 = 100% clay 149 = 100% silt 150 = 100% sand 151 = 100% gravel 152 = 100% fill 153 = 100% clay 154 = 100% silt 155 = 100% sand 156 = 100% gravel 157 = 100% fill 158 = 100% clay 159 = 100% silt 160 = 100% sand 161 = 100% gravel 162 = 100% fill 163 = 100% clay 164 = 100% silt 165 = 100% sand 166 = 100% gravel 167 = 100% fill 168 = 100% clay 169 = 100% silt 170 = 100% sand 171 = 100% gravel 172 = 100% fill 173 = 100% clay 174 = 100% silt 175 = 100% sand 176 = 100% gravel 177 = 100% fill 178 = 100% clay 179 = 100% silt 180 = 100% sand 181 = 100% gravel 182 = 100% fill 183 = 100% clay 184 = 100% silt 185 = 100% sand 186 = 100% gravel 187 = 100% fill 188 = 100% clay 189 = 100% silt 190 = 100% sand 191 = 100% gravel 192 = 100% fill 193 = 100% clay 194 = 100% silt 195 = 100% sand 196 = 100% gravel 197 = 100% fill 198 = 100% clay 199 = 100% silt 200 = 100% sand 201 = 100% gravel 202 = 100% fill 203 = 100% clay 204 = 100% silt 205 = 100% sand 206 = 100% gravel 207 = 100% fill 208 = 100% clay 209 = 100% silt 210 = 100% sand 211 = 100% gravel 212 = 100% fill 213 = 100% clay 214 = 100% silt 215 = 100% sand 216 = 100% gravel 217 = 100% fill 218 = 100% clay 219 = 100% silt 220 = 100% sand 221 = 100% gravel 222 = 100% fill 223 = 100% clay 224 = 100% silt 225 = 100% sand 226 = 100% gravel 227 = 100% fill 228 = 100% clay 229 = 100% silt 230 = 100% sand 231 = 100% gravel 232 = 100% fill 233 = 100% clay 234 = 100% silt 235 = 100% sand 236 = 100% gravel 237 = 100% fill 238 = 100% clay 239 = 100% silt 240 = 100% sand 241 = 100% gravel 242 = 100% fill 243 = 100% clay 244 = 100% silt 245 = 100% sand 246 = 100% gravel 247 = 100% fill 248 = 100% clay 249 = 100% silt 250 = 100% sand 251 = 100% gravel 252 = 100% fill 253 = 100% clay 254 = 100% silt 255 = 100% sand 256 = 100% gravel 257 = 100% fill 258 = 100% clay 259 = 100% silt 260 = 100% sand 261 = 100% gravel 262 = 100% fill 263 = 100% clay 264 = 100% silt 265 = 100% sand 266 = 100% gravel 267 = 100% fill 268 = 100% clay 269 = 100% silt 270 = 100% sand 271 = 100% gravel 272 = 100% fill 273 = 100% clay 274 = 100% silt 275 = 100% sand 276 = 100% gravel 277 = 100% fill 278 = 100% clay 279 = 100% silt 280 = 100% sand 281 = 100% gravel 282 = 100% fill 283 = 100% clay 284 = 100% silt 285 = 100% sand 286 = 100% gravel 287 = 100% fill 288 = 100% clay 289 = 100% silt 290 = 100% sand 291 = 100% gravel 292 = 100% fill 293 = 100% clay 294 = 100% silt 295 = 100% sand 296 = 100% gravel 297 = 100% fill 298 = 100% clay 299 = 100% silt 300 = 100% sand 301 = 100% gravel 302 = 100% fill 303 = 100% clay 304 = 100% silt 305 = 100% sand 306 = 100% gravel 307 = 100% fill 308 = 100% clay 309 = 100% silt 310 = 100% sand 311 = 100% gravel 312 = 100% fill 313 = 100% clay 314 = 100% silt 315 = 100% sand 316 = 100% gravel 317 = 100% fill 318 = 100% clay 319 = 100% silt 320 = 100% sand 321 = 100% gravel 322 = 100% fill 323 = 100% clay 324 = 100% silt 325 = 100% sand 326 = 100% gravel 327 = 100% fill 328 = 100% clay 329 = 100% silt 330 = 100% sand 331 = 100% gravel 332 = 100% fill 333 = 100% clay 334 = 100% silt 335 = 100% sand 336 = 100% gravel 337 = 100% fill 338 = 100% clay 339 = 100% silt 340 = 100% sand 341 = 100% gravel 342 = 100% fill 343 = 100% clay 344 = 100% silt 345 = 100% sand 346 = 100% gravel 347 = 100% fill 348 = 100% clay 349 = 100% silt 350 = 100% sand 351 = 100% gravel 352 = 100% fill 353 = 100% clay 354 = 100% silt 355 = 100% sand 356 = 100% gravel 357 = 100% fill 358 = 100% clay 359 = 100% silt 360 = 100% sand 361 = 100% gravel 362 = 100% fill 363 = 100% clay 364 = 100% silt 365 = 100% sand 366 = 100% gravel 367 = 100% fill 368 = 100% clay 369 = 100% silt 370 = 100% sand 371 = 100% gravel 372 = 100% fill 373 = 100% clay 374 = 100% silt 375 = 100% sand 376 = 100% gravel 377 = 100% fill 378 = 100% clay 379 = 100% silt 380 = 100% sand 381 = 100% gravel 382 = 100% fill 383 = 100% clay 384 = 100% silt 385 = 100% sand 386 = 100% gravel 387 = 100% fill 388 = 100% clay 389 = 100% silt 390 = 100% sand 391 = 100% gravel 392 = 100% fill 393 = 100% clay 394 = 100% silt 395 = 100% sand 396 = 100% gravel 397 = 100% fill 398 = 100% clay 399 = 100% silt 400 = 100% sand 401 = 100% gravel 402 = 100% fill 403 = 100% clay 404 = 100% silt 405 = 100% sand 406 = 100% gravel 407 = 100% fill 408 = 100% clay 409 = 100% silt 410 = 100% sand 411 = 100% gravel 412 = 100% fill 413 = 100% clay 414 = 100% silt 415 = 100% sand 416 = 100% gravel 417 = 100% fill 418 = 100% clay 419 = 100% silt 420 = 100% sand 421 = 100% gravel 422 = 100% fill 423 = 100% clay 424 = 100% silt 425 = 100% sand 426 = 100% gravel 427 = 100% fill 428 = 100% clay 429 = 100% silt 430 = 100% sand 431 = 100% gravel 432 = 100% fill 433 = 100% clay 434 = 100% silt 435 = 100% sand 436 = 100% gravel 437 = 100% fill 438 = 100% clay 439 = 100% silt 440 = 100% sand 441 = 100% gravel 442 = 100% fill 443 = 100% clay 444 = 100% silt 445 = 100% sand 446 = 100% gravel 447 = 100% fill 448 = 100% clay 449 = 100% silt 450 = 100% sand 451 = 100% gravel 452 = 100% fill 453 = 100% clay 454 = 100% silt 455 = 100% sand 456 = 100% gravel 457 = 100% fill 458 = 100% clay 459 = 100% silt 460 = 100% sand 461 = 100% gravel 462 = 100% fill 463 = 100% clay 464 = 100% silt 465 = 100% sand 466 = 100% gravel 467 = 100% fill 468 = 100% clay 469 = 100% silt 470 = 100% sand 471 = 100% gravel 472 = 100% fill 473 = 100% clay 474 = 100% silt 475 = 100% sand 476 = 100% gravel 477 = 100% fill 478 = 100% clay 479 = 100% silt 480 = 100% sand 481 = 100% gravel 482 = 100% fill 483 = 100% clay 484 = 100% silt 485 = 100% sand 486 = 100% gravel 487 = 100% fill 488 = 100% clay 489 = 100% silt 490 = 100% sand 491 = 100% gravel 492 = 100% fill 493 = 100% clay 494 = 100% silt 495 = 100% sand 496 = 100% gravel 497 = 100% fill 498 = 100% clay 499 = 100% silt 500 = 100% sand 501 = 100% gravel 502 = 100% fill 503 = 100% clay 504 = 100% silt 505 = 100% sand 506 = 100% gravel 507 = 100% fill 508 = 100% clay 509 = 100% silt 510 = 100% sand 511 = 100% gravel 512 = 100% fill 513 = 100% clay 514 = 100% silt 515 = 100% sand 516 = 100% gravel 517 = 100% fill 518 = 100% clay 519 = 100% silt 520 = 100% sand 521 = 100% gravel 522 = 100% fill 523 = 100% clay 524 = 100% silt 525 = 100% sand 526 = 100% gravel 527 = 100% fill 528 = 100% clay 529 = 100% silt 530 = 100% sand 531 = 100% gravel 532 = 100% fill 533 = 100% clay 534 = 100% silt 535 = 100% sand 536 = 100% gravel 537 = 100% fill 538 = 100% clay 539 = 100% silt 540 = 100% sand 541 = 100% gravel 542 = 100% fill 543 = 100% clay 544 = 100% silt 545 = 100% sand 546 = 100% gravel 547 = 100% fill 548 = 100% clay 549 = 100% silt 550 = 100% sand 551 = 100% gravel 552 = 100% fill 553 = 100% clay 554 = 100% silt 555 = 100% sand 556 = 100% gravel 557 = 100% fill 558 = 100% clay 559 = 100% silt 560 = 100% sand 561 = 100% gravel 562 = 100% fill 563 = 100% clay 564 = 100% silt 565 = 100% sand 566 = 100% gravel 567 = 100% fill 568 = 100% clay 569 = 100% silt 570 = 100% sand 571 = 100% gravel 572 = 100% fill 573 = 100% clay 574 = 100% silt 575 = 100% sand 576 = 100% gravel 577 = 100% fill 578 = 100% clay 579 = 100% silt 580 = 100% sand 581 = 100% gravel 582 = 100% fill 583 = 100% clay 584 = 100% silt 585 = 100% sand 586 = 100% gravel 587 = 100% fill 588 = 100% clay 589 = 100% silt 590 = 100% sand 591 = 100% gravel 592 = 100% fill 593 = 100% clay 594 = 100% silt 595 = 100% sand 596 = 100% gravel 597 = 100% fill 598 = 100% clay 599 = 100% silt 600 = 100% sand 601 = 100% gravel 602 = 100% fill 603 = 100% clay 604 = 100% silt 605 = 100% sand 606 = 100% gravel 607 = 100% fill 608 = 100% clay 609 = 100% silt 610 = 100% sand 611 = 100% gravel 612 = 100% fill 613 = 100% clay 614 = 100% silt 615 = 100% sand 616 = 100% gravel 617 = 100% fill 618 = 100% clay 619 = 100% silt 620 = 100% sand 621 = 100% gravel 622 = 100% fill 623 = 100% clay 624 = 100% silt 625 = 100% sand 626 = 100% gravel 627 = 100% fill 628 = 100% clay 629 = 100% silt 630 = 100% sand 631 = 100% gravel 632 = 100% fill 633 = 100% clay 634 = 100% silt 635 = 100% sand 636 = 100% gravel 637 = 100% fill 638 = 100% clay 639 = 100% silt 640 = 100% sand 641 = 100% gravel 642 = 100% fill 643 = 100% clay 644 = 100% silt 645 = 100% sand 646 = 100% gravel 647 = 100% fill 648 = 100% clay 649 = 100% silt 650 = 100% sand 651 = 100% gravel 652 = 100% fill 653 = 100% clay 654 = 100% silt 655 = 100% sand 656 = 100% gravel 657 = 100% fill 658 = 100% clay 659 = 100% silt 660 = 100% sand 661 = 100% gravel 662 = 100% fill 663 = 100% clay 664 = 100% silt 665 = 100% sand 666 = 100% gravel 667 = 100% fill 668 = 100% clay 669 = 100% silt 670 = 100% sand 671 = 100% gravel 672 = 100% fill 673 = 100% clay 674 = 100% silt 675 = 100% sand 676 = 100% gravel 677 = 100% fill 678 = 100% clay 679 = 100% silt 680 = 100% sand 681 = 100% gravel 682 = 100% fill 683 = 100% clay 684 = 100% silt 685 = 100% sand 686 = 100% gravel 687 = 100% fill 688 = 100% clay 689 = 100% silt 690 = 100% sand 691 = 100% gravel 692 = 100% fill 693 = 100% clay 694 = 100% silt 695 = 100% sand 696 = 100% gravel 697 = 100% fill 698 = 100% clay 699 = 100% silt 700 = 100% sand 701 = 100% gravel 702 = 100% fill 703 = 100% clay 704 = 100% silt 705 = 100% sand 706 = 100% gravel 707 = 100% fill 708 = 100% clay 709 = 100% silt 710 = 100% sand 711 = 100% gravel 712 = 100% fill 713 = 100% clay 714 = 100% silt 715 = 100% sand 716 = 100% gravel 717 = 100% fill 718 = 100% clay 719 = 100% silt 720 = 100% sand 721 = 100% gravel 722 = 100% fill 723 = 100% clay 724 = 100% silt 725 = 100% sand 726 = 100% gravel 727 = 100% fill 728 = 100% clay 729 = 100% silt 730 = 100% sand 731 = 100% gravel 732 = 100% fill 733 = 100% clay 734 = 100% silt 735 = 100% sand 736 = 100% gravel 737 = 100% fill 738 = 100% clay 739 = 100% silt 740 = 100% sand 741 = 100% gravel 742 = 100% fill 743 = 100% clay 744 = 100% silt 745 = 100% sand 746 = 100% gravel 747 = 100% fill 748 = 100% clay 749 = 100% silt 750 = 100% sand 751 = 100% gravel 752 = 100% fill 753 = 100% clay 754 = 100% silt 755 = 100% sand 756 = 100% gravel 757 = 100% fill 758 = 100% clay 759 = 100% silt 760 = 100% sand 761 = 100% gravel 762 = 100% fill 763 = 100% clay 764 = 100% silt 765 = 100% sand 766 = 100% gravel 767 = 100% fill 768 = 100% clay 769 = 100% silt 770 = 100% sand 771 = 100% gravel 772 = 100% fill 773 = 100% clay 774 = 100% silt 775 = 100% sand 776 = 100% gravel 777 = 100% fill 778 = 100% clay 779 = 100% silt 780 = 100% sand 781 = 100% gravel 782 = 100% fill 783 = 100% clay 784 = 100% silt 785 = 100% sand 786 = 100% gravel 787 = 100% fill 788 = 100% clay 789 = 100% silt 790 = 100% sand 791 = 100% gravel 792 = 100% fill 793 = 100% clay 794 = 100% silt 795 = 100% sand 796 = 100% gravel 797 = 100% fill 798 = 100% clay 799 = 100% silt 800 = 100% sand 801 = 100% gravel 802 = 100% fill 803 = 100% clay 804 = 100% silt 805 = 100% sand 806 = 100% gravel 807 = 100% fill 808 = 100% clay 809 = 100% silt 810 = 100% sand 811 = 100% gravel 812 = 100% fill 813 = 100% clay 814 = 100% silt 815 = 100% sand 816 = 100% gravel 817 = 100% fill 818 = 100% clay 819 = 100% silt 820 = 100% sand 821 = 100% gravel 822 = 100% fill 823 = 100% clay 824 = 100% silt 825 = 100% sand 826 = 100% gravel 827 = 100% fill 828 = 100% clay 829 = 100% silt 830 = 100% sand 831 = 100% gravel 832 = 100% fill 833 = 100% clay 834 = 100% silt 835 = 100% sand 836 = 100% gravel 837 = 100% fill 838 = 100% clay 839 = 100% silt 840 = 100% sand 841 = 100% gravel 842 = 100% fill 843 = 100% clay 844 = 100% silt 845 = 100% sand 846 = 100% gravel 847 = 100% fill 848 = 100% clay 849 = 100% silt 850 = 100% sand 851 = 100% gravel 852 = 100% fill 853 = 100% clay 854 = 100% silt 855 = 100% sand 856 = 100% gravel 857 = 100% fill 858 = 100% clay 859 = 100% silt 860 = 100% sand 861 = 100% gravel 862 = 100% fill 863 = 100% clay 864 = 100% silt 865 = 100% sand 866 = 100% gravel 867 = 100% fill 868 = 100% clay 869 = 100% silt 870 = 100% sand 871 = 100% gravel 872 = 100% fill 873 = 100% clay 874 = 100% silt 875 = 100% sand 876 = 100% gravel 877 = 100% fill 878 = 100% clay 879 = 100% silt 880 = 100% sand 881 = 100% gravel 882 = 100% fill 883 = 100% clay 884 = 100% silt 885 = 100% sand 886 = 100% gravel 887 = 100% fill 888 = 100% clay 889 = 100% silt 890 = 100% sand 891 = 100% gravel 892 = 100% fill 893 = 100% clay 894 = 100% silt 895 = 100% sand 896 = 100% gravel 897 = 100% fill 898 = 100% clay 899 = 100% silt 900 = 100% sand 901 = 100% gravel 902 = 100% fill 903 = 100% clay 904 = 100% silt 905 = 100% sand 906 = 100% gravel 907 = 100% fill 908 = 100% clay 909 = 100% silt 910 = 100% sand 911 = 100% gravel 912 = 100% fill 913 = 100% clay 914 = 100% silt 915 = 100% sand 916 = 100% gravel 917 = 100% fill 918 = 100% clay 919 = 100% silt 920 = 100% sand 921 = 100% gravel 922 = 100% fill 923 = 100% clay 924 = 100% silt 925 = 100% sand 926 = 100% gravel 927 = 100% fill 928 = 100% clay 929 = 100% silt 930 = 100% sand 931 = 100% gravel 932 = 100% fill 933 = 100% clay 934 = 100% silt 935 = 100% sand 936 = 100% gravel 937 = 100% fill 938 = 100% clay 939 = 100% silt 940 = 100% sand 941 = 100% gravel 942 = 100% fill 943 = 100% clay 944 = 100% silt 945 = 100% sand 946 = 100% gravel 947 = 100% fill 948 = 100% clay 949 = 100% silt 950 = 100% sand 951 = 100% gravel 952 = 100% fill 953 = 100% clay 954 = 100% silt 955 = 100% sand 956 = 100% gravel 957 = 100% fill 958 = 100% clay 959 = 100% silt 960 = 100% sand 961 = 100% gravel 962 = 100% fill 963 = 100% clay 964 = 100% silt 965 = 100% sand 966 = 100% gravel 967 = 100% fill 968 = 100% clay 969 = 100% silt 970 = 100% sand 971 = 100% gravel 972 = 100% fill 973 = 100% clay 974 = 100% silt 975 = 100% sand 976 = 100% gravel 977 = 100% fill 978 = 100% clay 979 = 100% silt 980 = 100% sand 981 = 100% gravel 982 = 100% fill 983 = 100% clay 984 = 100%							

Maine Department of Transportation										Project: State St / US 86		Soring No.: BB-8195-108	
Subproject: Expansion Lanes										Location: Bangor, ME		PIN#: 12642-00	
S&W Customized Units													
Drillers:		East Coast Exploration		Elevation (ft.): 164.1		Auger (ID/OD)		n/a					
Operator:		John Palmer		Borehole:		NWD 1588		Sampler:		Split Spoon			
Logged By:		J. Tootley		Bore Type:		Ore 300 STD		Penner (W/Fall):		500-307 / 400-307			
Date Started/Finished:		8/22/08		Drilling Method:		Hand Boring		Core Barrel:		NK (12")			
Soring Location:		Sta. 50463.2, 13.8' RT		Coring (ID/OD):		NK (47", 18" (3"))		Water Level:		N/A ~6.5 ft.			
<p> Geotechnical: S- Split Spoon Sample N- Unconsolidated Split Spoon Sample (clean) C- Consolidated Split Spoon Sample (clean) G- Gravel S- Sand CL- Silty Clay GCL- Gravelly Clay M- Medium Fine Grained F- Fine Grained W- Water A- Air B- Borehole R- Rock H- Hole L- Log T- Test P- Pressure T- Temperature W- Weight M- Moisture C- Compression T- Tension S- Shear U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area V- Volume M- Mass W- Weight F- Force P- Pressure T- Temperature S- Stress E- Strain U- Ultimate Y- Yield E- Elastic P- Plastic V- Volume D- Density S- Specific G- Gravity A- Acceleration D- Deceleration F- Frequency P- Period T- Time L- Length W- Width H- Height D- Diameter R- Radius C- Circumference A- Area</p>													

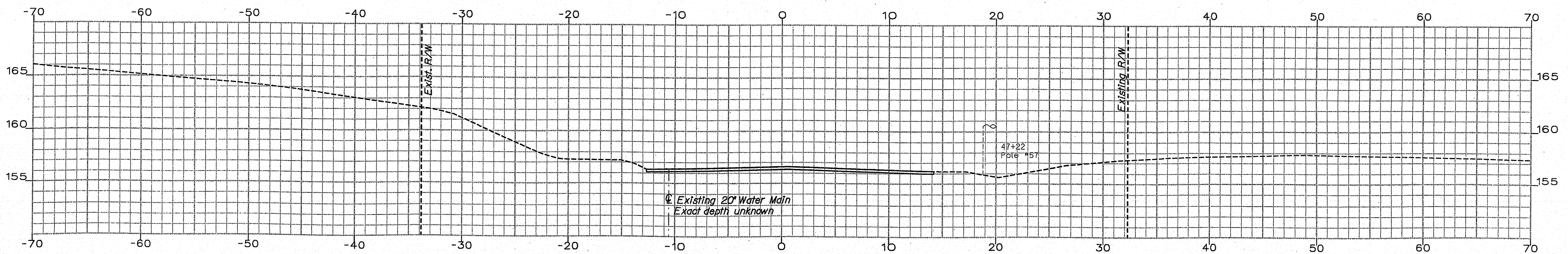
Filename: ...\\007_XSMC00_47+00-47+60.dgn Division: BRIDGE Username: dana.domen Date: 8/9/2007



47+60.00



47+50.00



47+25.00

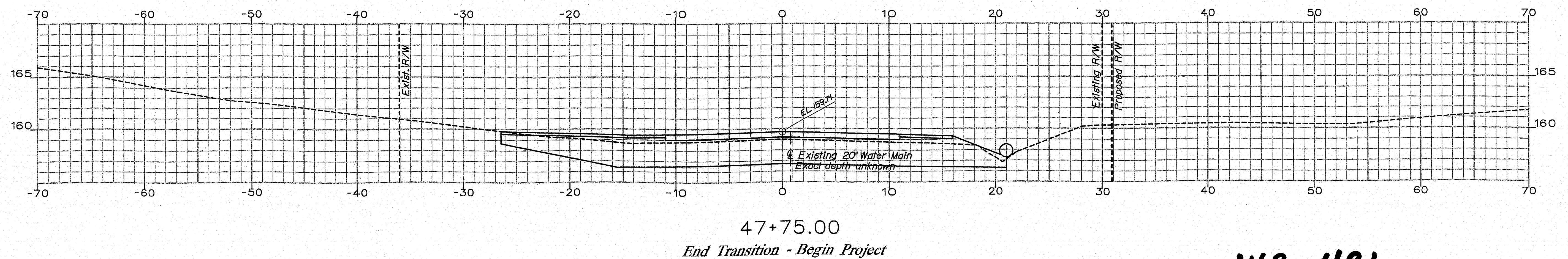
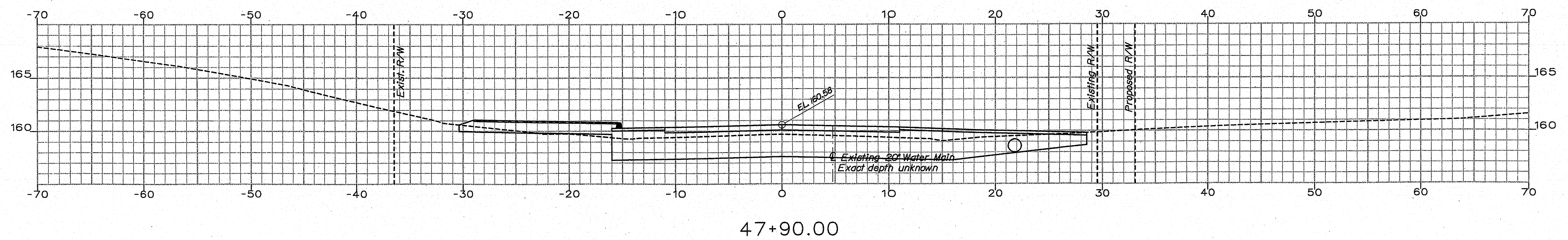
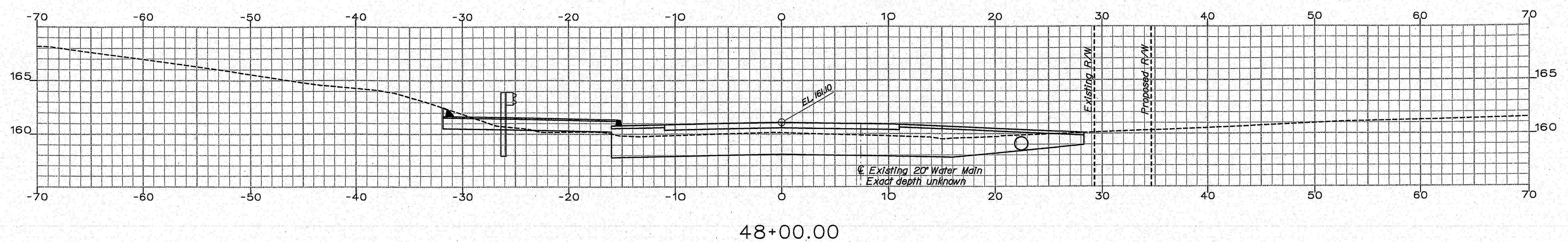
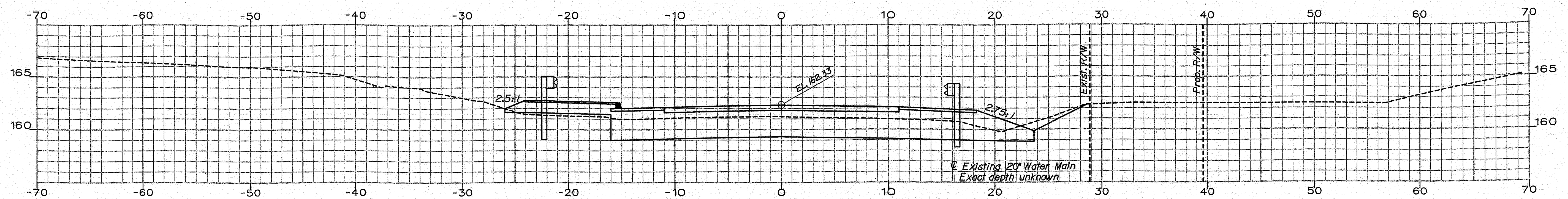
Begin Transition - Match Existing Section

46+16
Pole #56

47+22
Pole #57

143-480

STATE OF MAINE		BRIDGE NO. 5822		PIN 12642.00		BRIDGE PLANS	
DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E					
ESSEX STREET BRIDGE		INTERSTATE 95		PENOBSCOT COUNTY		BANGOR	
DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED	
CHECKED-REVIEWED		CHECKED-REVIEWED		CHECKED-REVIEWED		CHECKED-REVIEWED	
DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED	
REVISIONS 1		REVISIONS 1		REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2		REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3		REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4		REVISIONS 4		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
PROJ. MANAGER		BY		DATE		SIGNATURE	
D. ANDERSON		B. SHAW					
DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED	
CHECKED-REVIEWED		CHECKED-REVIEWED		CHECKED-REVIEWED		CHECKED-REVIEWED	
DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED		DESIGN-REVIEWED	
REVISIONS 1		REVISIONS 1		REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2		REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3		REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4		REVISIONS 4		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
SHEET NUMBER		7		2+00.00		3+00.00	
CROSS SECTIONS		7		2+00.00		3+00.00	
OF 30							



143-481

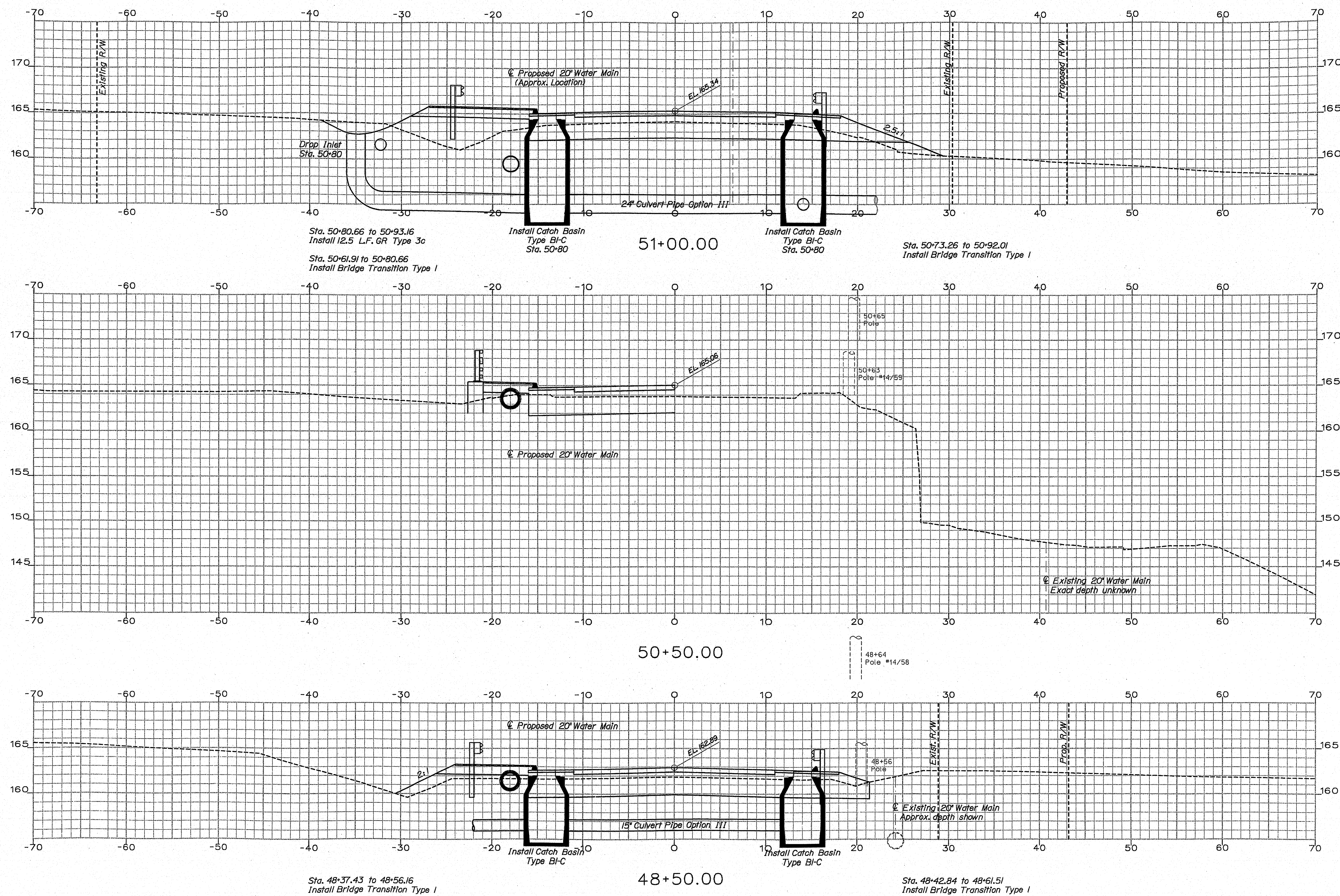
Date: 8/9/2007

Username: dana.damren

Division: BRIDGE

Filename: ... \008_XSMC10_47+90-49+00.dgn

SHEET NUMBER 08	BANGOR	ESSEX STREET BRIDGE INTERSTATE 95 PENOBSCOT COUNTY	FROM MANAGER		DANFORTH	BY	DATE
			DESIGN-DRAWN	J. Schmitt			
			CHECKED-REVIEWED				
			DESIGN-DETAILER		SIGNATURE		
			DESIGN-DETAILER		P.E. NUMBER		
			REVISONS 1		DATE		
2+00.00	CROSS SECTIONS	3+00.00	REVISONS 2				
			REVISONS 3				
			REVISONS 4				
			REVISONS 5				
							STATE OF MAINE
							DEPARTMENT OF TRANSPORTATION
							AC-IM-1264(200)E
							BIDGE NO. 5922
							PIN
							12642.00
							BRIDGE PLANS



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E	
BRIDGE NO. 5922	PIN 12642.00
BRIDGE PLANS	

SIGNATURE _____

P.E. NUMBER _____

DATE _____

PROJ. MANAGER	D. ANDERSON	BY	DATE
DESIGN-DETAILD	B. Sphaerwald		
CHECKED-REVIEWED			
DESIGN-DETAILD2			
DESIGN-DETAILD3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
REVISIONS 5			

BANGOR	ESSEX STREET BRIDGE INTERSTATE 95 PENOBSCOT COUNTY
2+00.00	CROSS SECTIONS 3+00.00

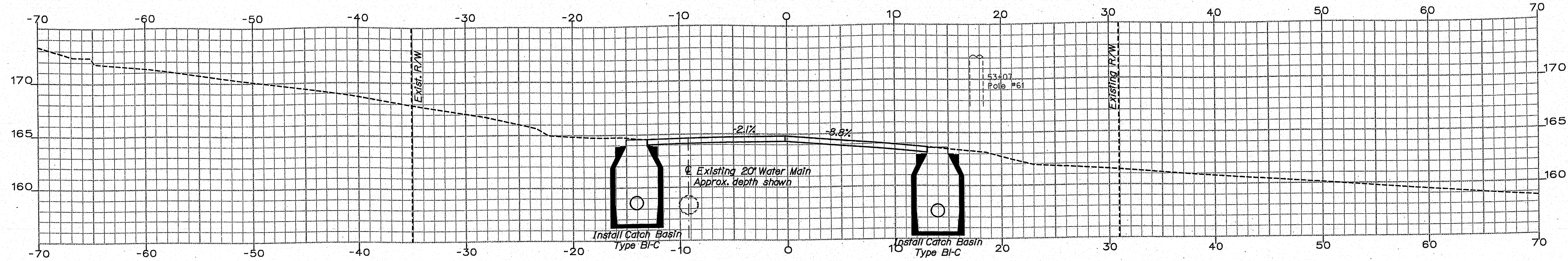
SHEET NUMBER

9

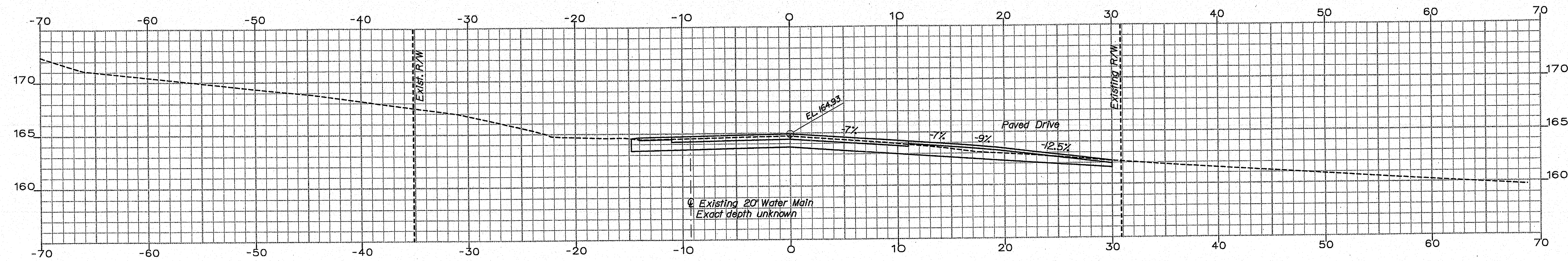
OF 30

143-482

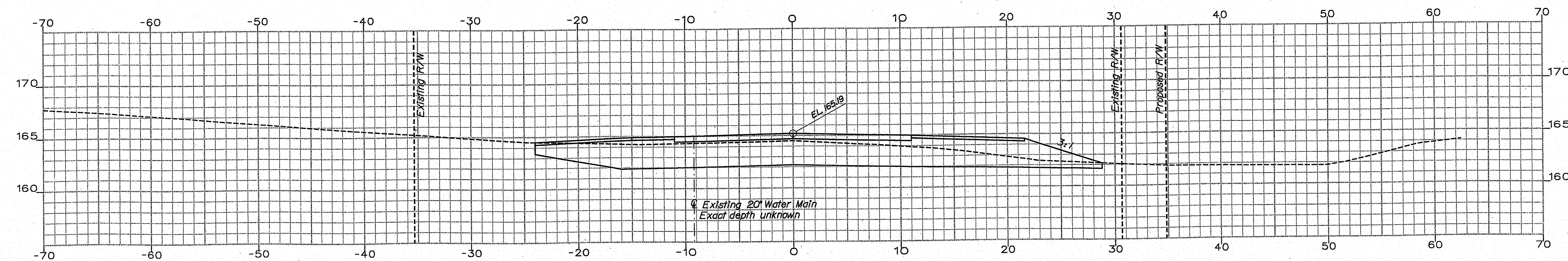
Filename: ...\\010_XSMC10_51+50-52+00.dgn
 Division: BRIDGE
 Username: dana.damren
 Date: 8/9/2007



52+00.00
 Match Existing Grade at Sta. 52+00
 Sta. 52+05 End Transition



51+85.00
 Transitioning



Sta. 50+93.16 to 51+05.66
 Install 25' L.F. GR Type 3c
 at 12.5' Radius with Terminal End

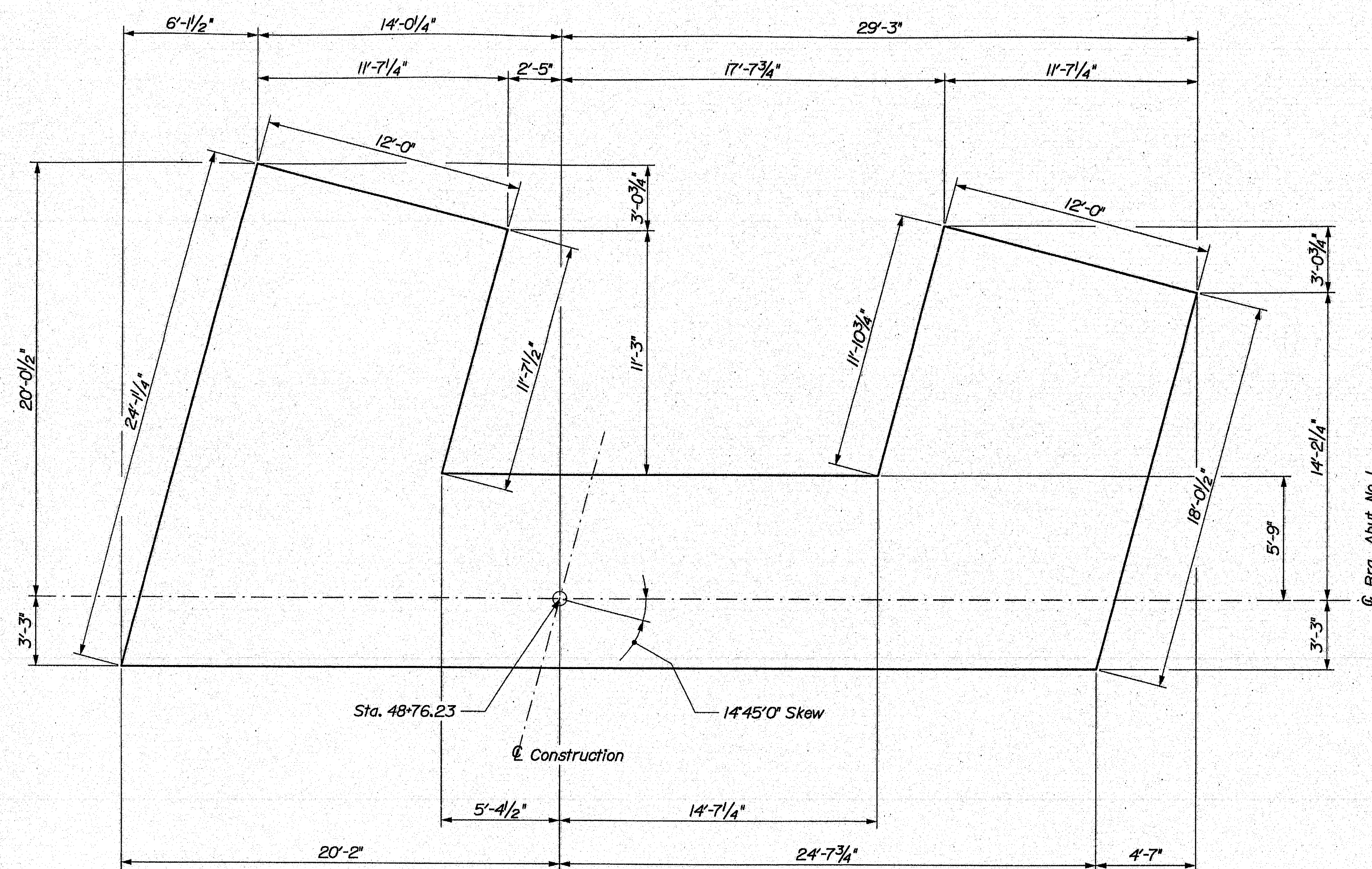
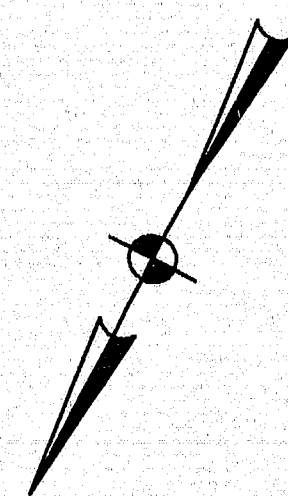
51+50.00
 End Project
 Begin Transition

51+31
 Pole #14/60

Sta. 50+92.01 to 51+29.14
 Install GR 350 Flared Terminal

143-483

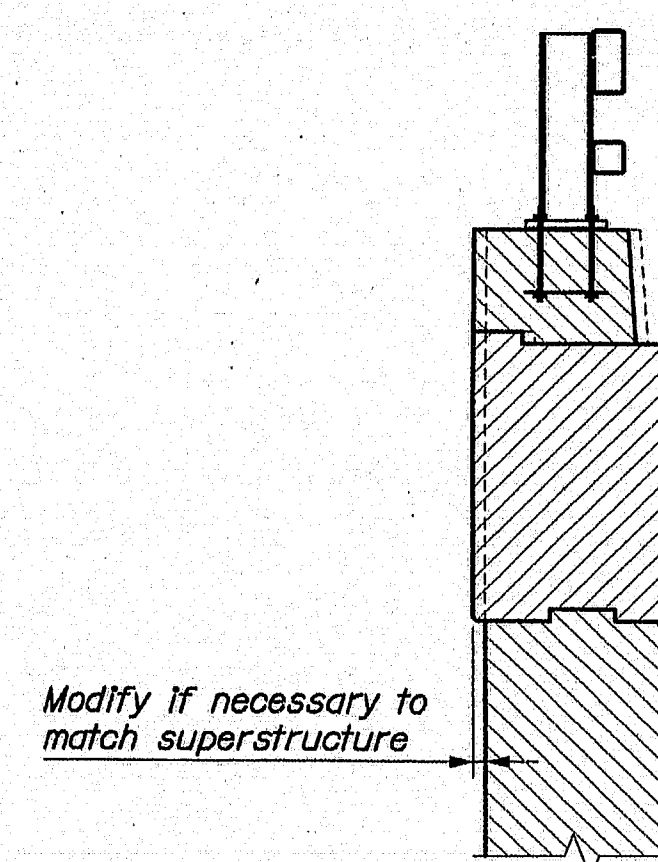
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E		BRIDGE NO. 5822		PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE INTERSTATE 95 BANGOR		PENOBSCOT COUNTY		CROSS SECTIONS		3+00.00		2+00.00	
SHEET NUMBER		10		OF 30					
PROJ. MANAGER		BY		DATE		SIGNATURE		P.E. NUMBER	
DESIGN/DETAIL		B. SUMMERS							
CHECKED/REVIEWED									
DESIGN/DETAILED									
REVISIONS 1									
REVISIONS 2									
REVISIONS 3									
FIELD CHANGES									



ABUTMENT NO. 1 FOOTING PLAN

ABUTMENT NOTES

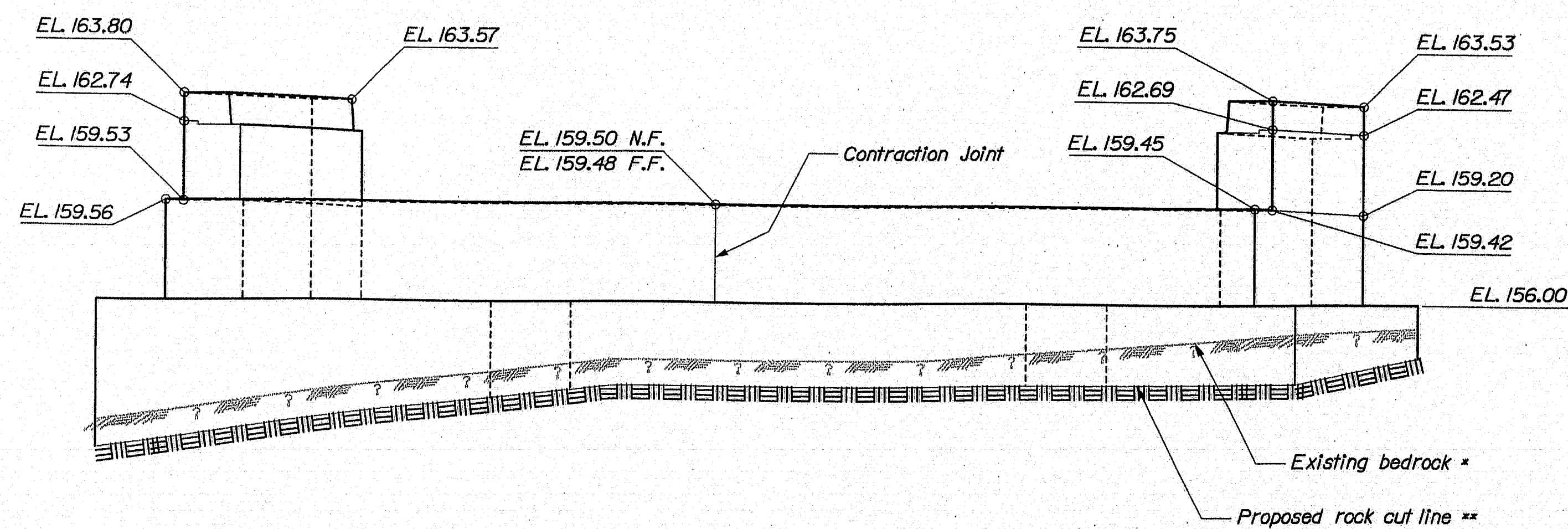
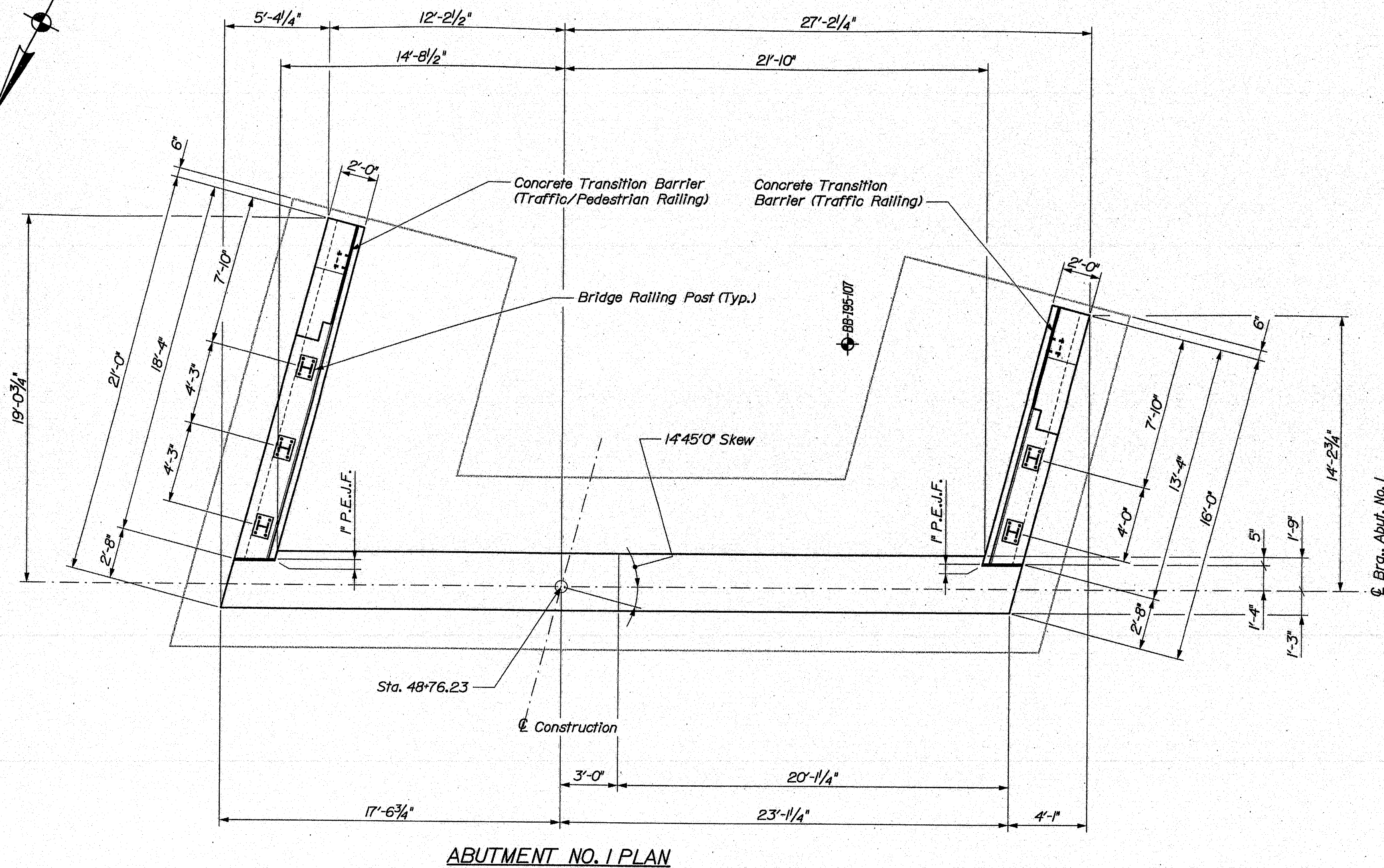
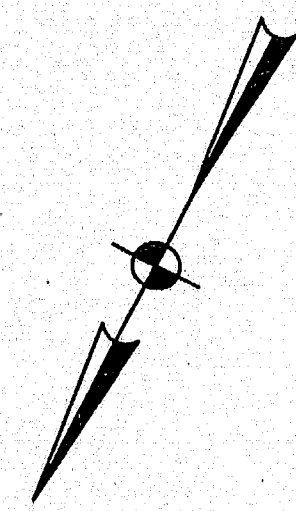
1. The bedrock surface shall be cleared of all loose concrete, all decomposed, weathered and fractured rock, and loose soil. The bearing surfaces shall be then be washed with high-pressure water and air. The resulting surface of the sound, intact bedrock is expected to be irregular with elevations varying by as much as 5 to 7 feet in both the longitudinal and transverse directions. Where the bedrock surface slopes toward the Interstate or approach side-slopes, the bedrock surface shall be stepped to create level benches or excavated to be level overall. Elsewhere, the bedrock surface slope shall be less than 4H:1V or it shall be benched in level steps or excavated to be completely level. Fill concrete shall not be used to raise and level the bedrock surface. The final bedrock surface shall be approved by the Resident prior to placement of the footing concrete.
2. Reinforcing steel shall have a minimum concrete cover of 2 inches in walls and 3 inches in footings unless otherwise noted.
3. Place 4-in. diameter drains in the breastwall and wingwalls at 10-ft maximum spacing. The exact location will be determined by the Resident.
4. To ensure an accurate match with the superstructure, the portions of the wingwalls above the bridge seats shall be placed after erection and post-tensioning of the precast units. No extra payment will be made if a modification of the wingwalls is necessary to match the superstructure fascias.
5. The Contractor shall install Transition Barrier vertical closed stirrups, as shown in Standard Details Section 526, prior to the placement of the curb concrete.
6. Cover joints where waterstops are not required in accordance with Standard Detail 502(01).
7. Construct French Drains behind the abutments and wingwalls in accordance with Standard Specifications Section 512, French Drains.
8. Abutments, wingwalls and footings shall be backfilled with Granular Borrow. Pay limits will be the structural excavation limits in cut areas and a vertical plane located 10 feet behind the walls in fill areas.
9. Payment for abutment footings will be made under Item No. 502.21, Structural Concrete Abutments and Retaining Walls (Cubic Yard).
10. Payment for abutment breastwalls and wingwalls will be made under Item No. 502.219, Structural Concrete Abutments and Retaining Walls (Lump Sum).



WINGWALL SECTION
Typical both wingwalls and each abutment

143-484

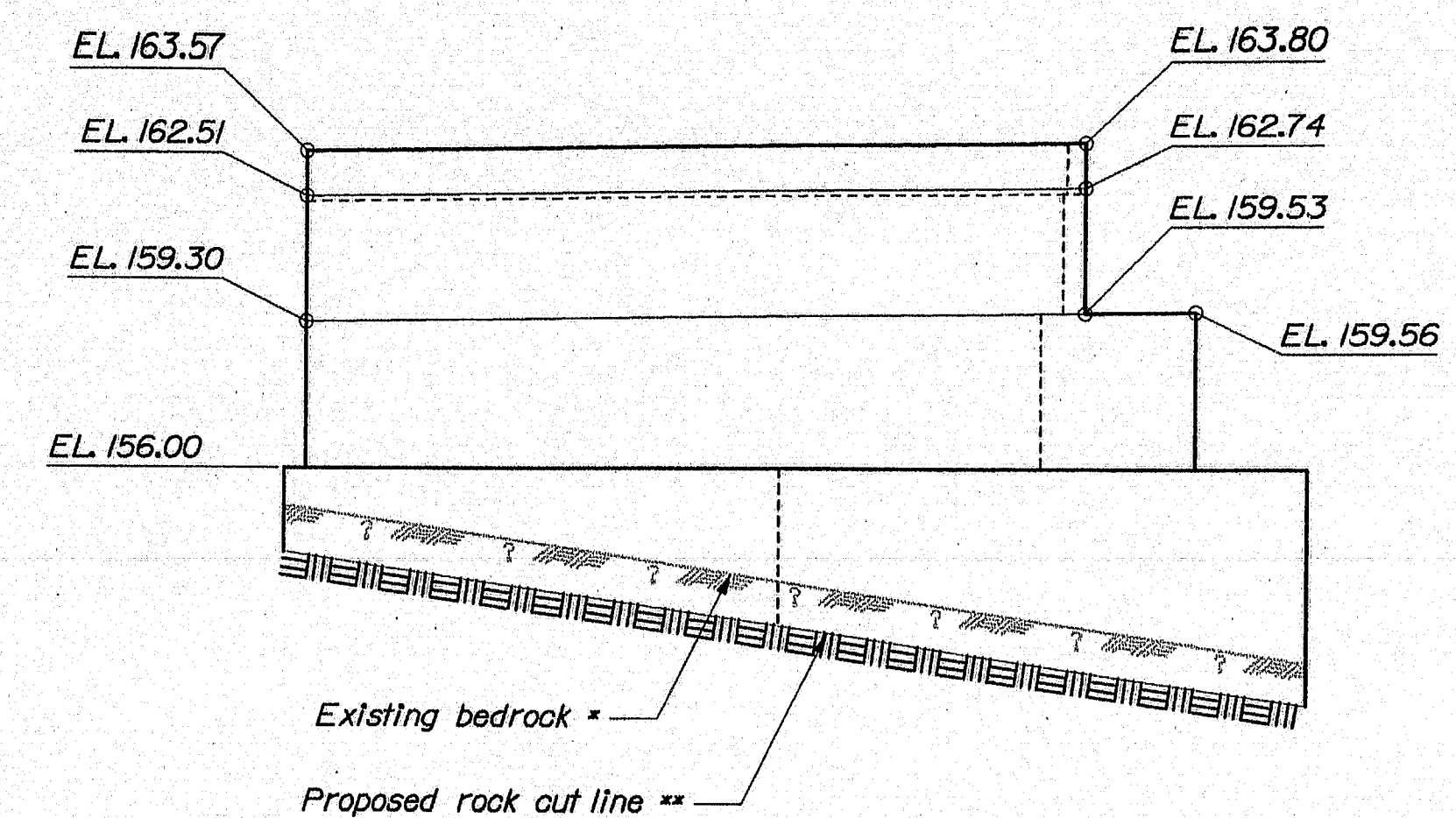
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E		BRIDGE NO. 5822	
PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		INTERSTATE 95	
BANGOR		PENOBSCOT COUNTY	
ABUT. NO. 1 FOOTING		SHEET NUMBER	
11		OF 30	



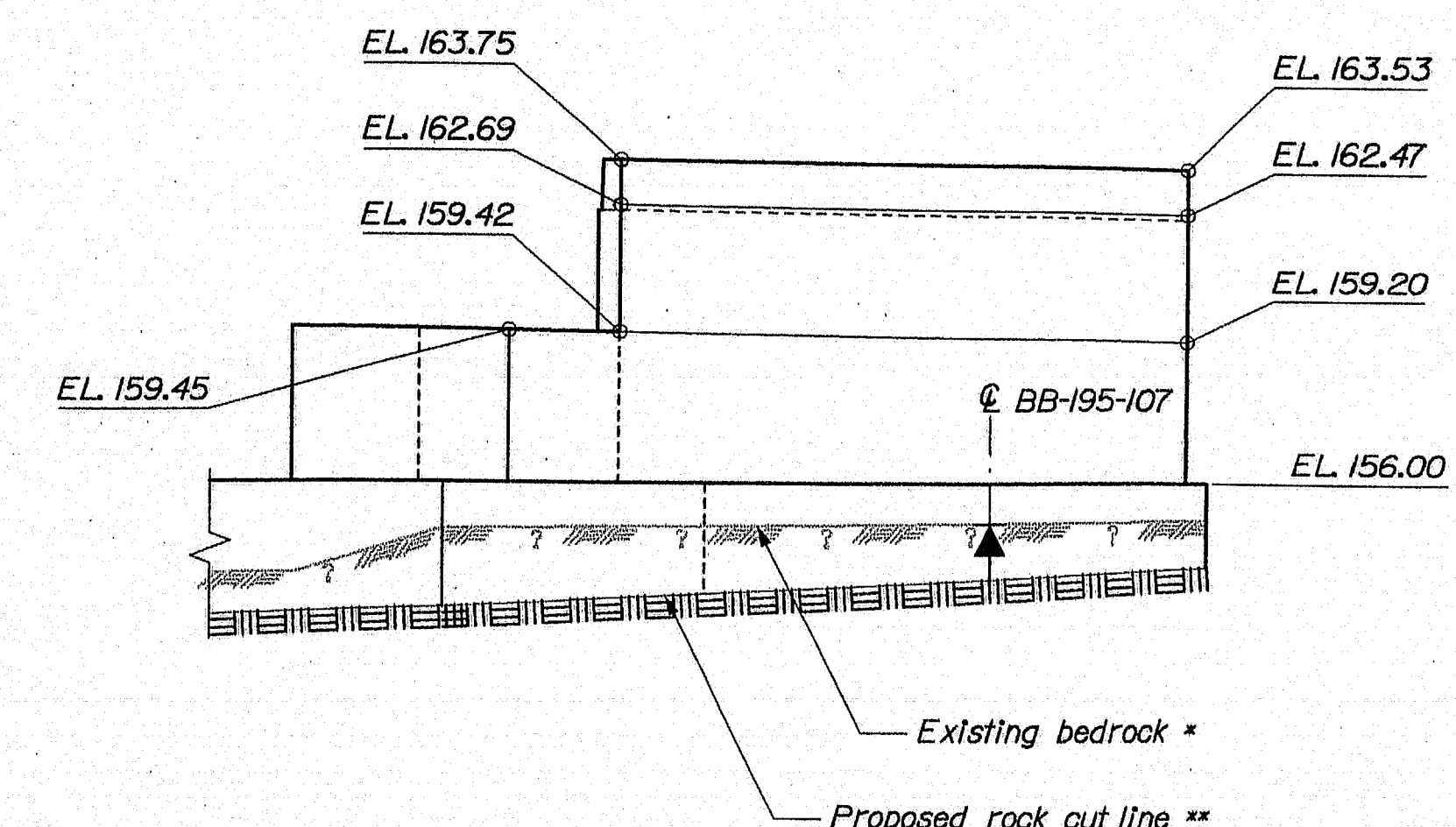
ABUTMENT NO. 1 ELEVATION
Transition Barrier and Bridge Railing not shown

SYMBOLS

- * Approximate existing bedrock surface daylighting at cut
- ** Estimated bedrock surface (variable) after preparation



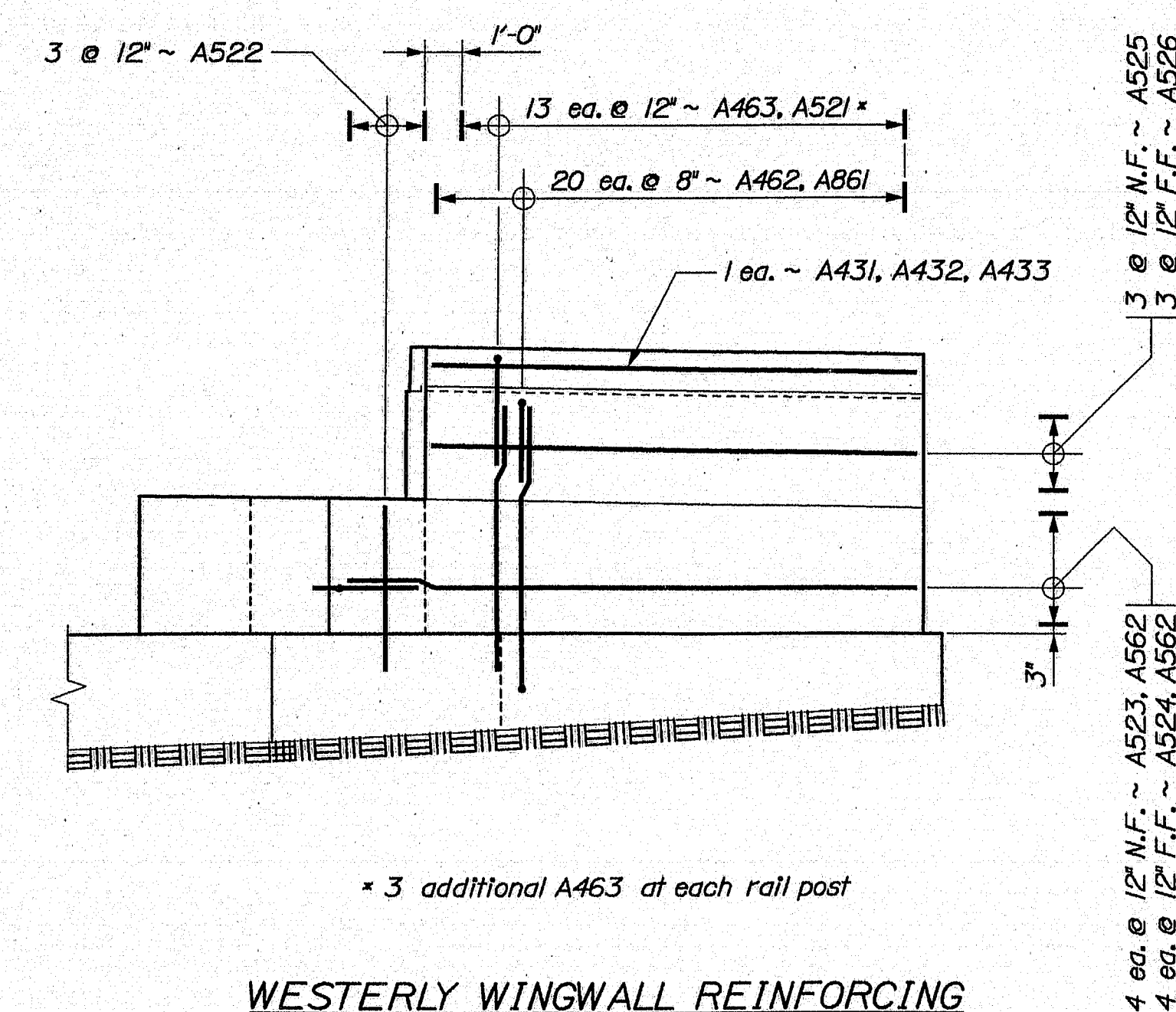
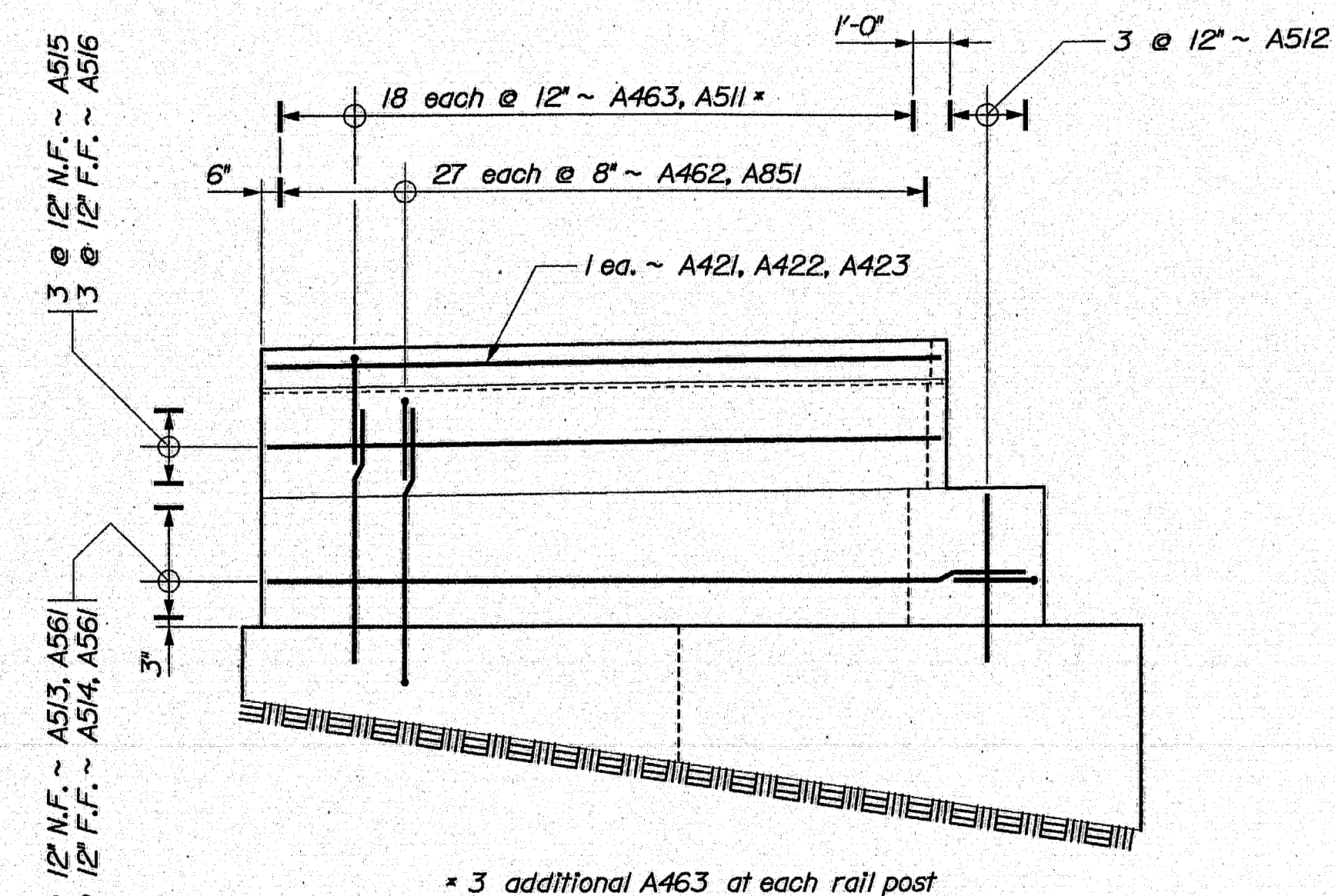
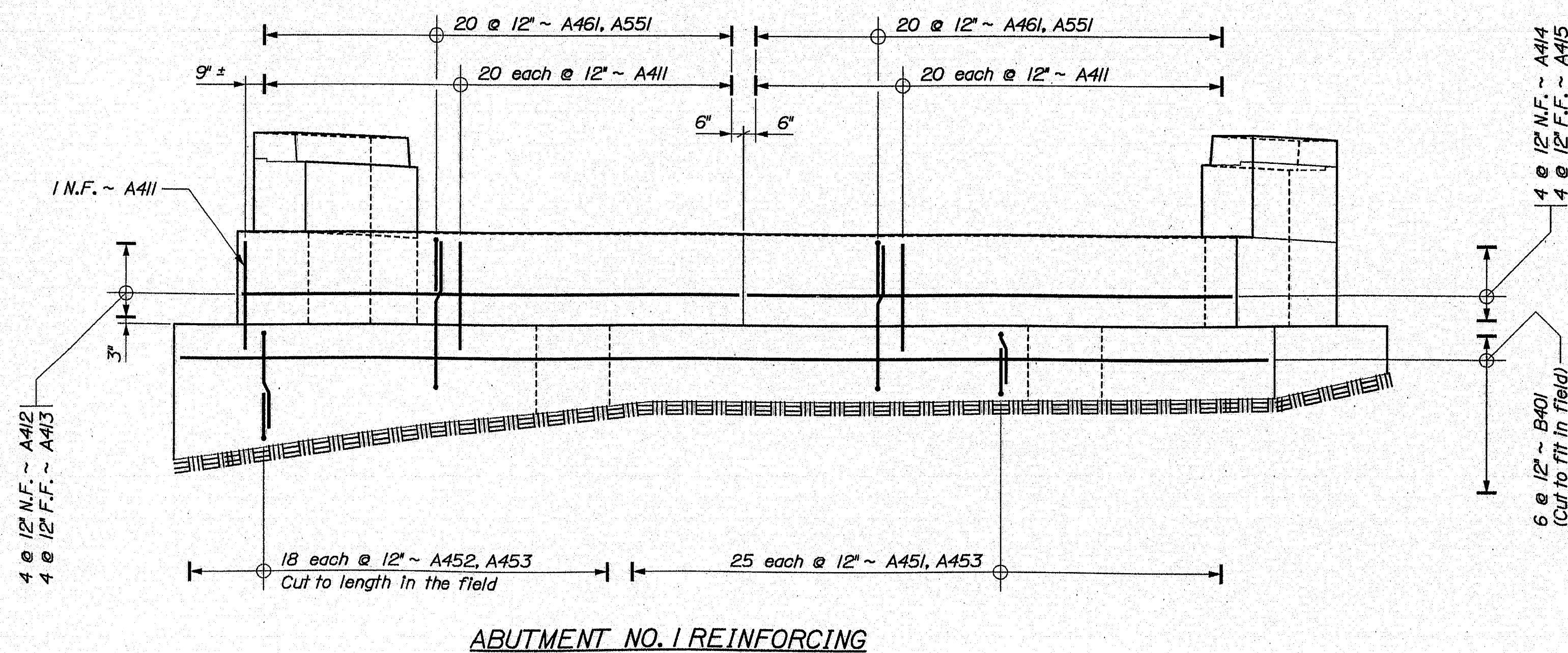
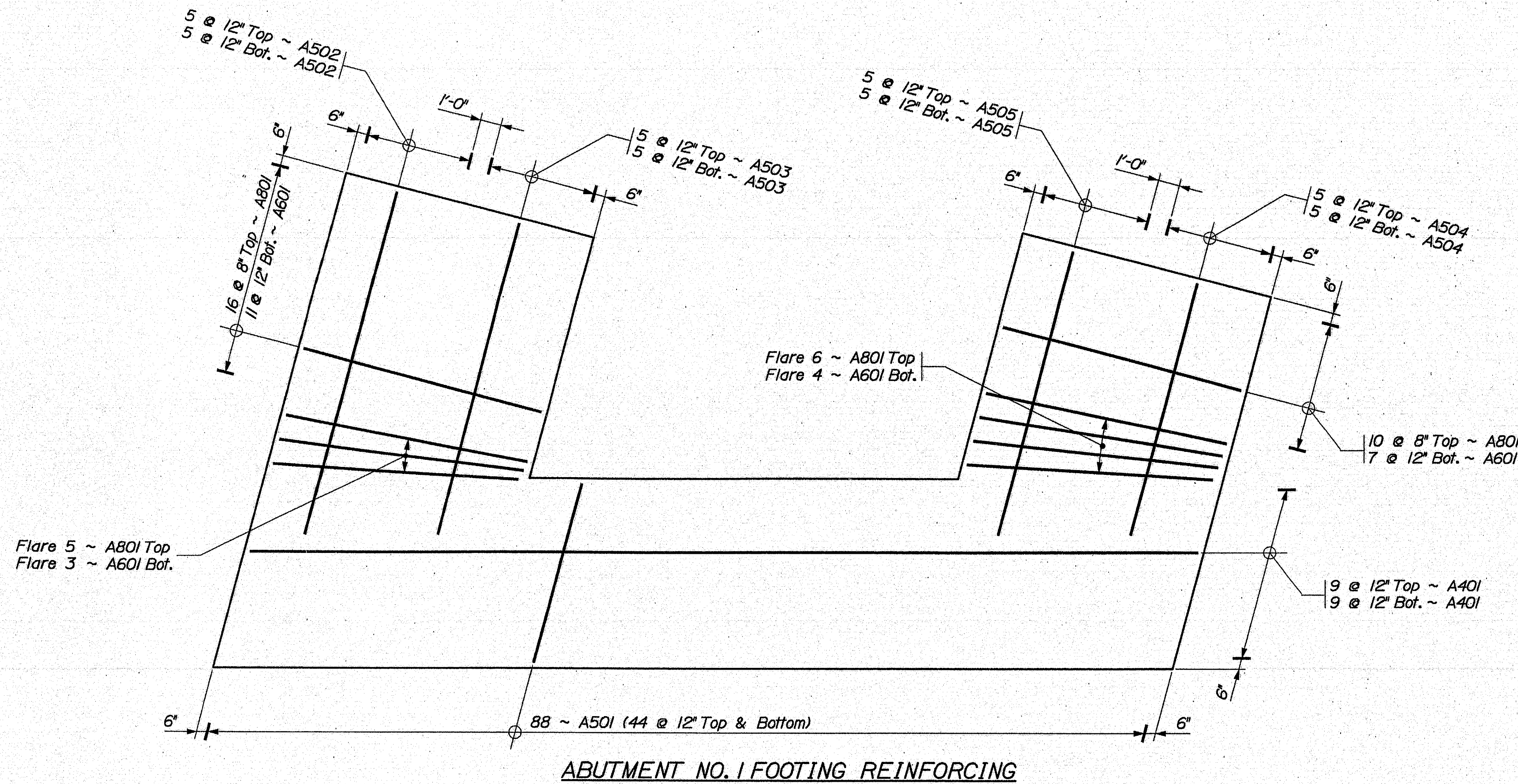
EASTERLY WINGWALL ELEVATION
Transition Barrier and Bridge Railing not shown



WESTERLY WINGWALL ELEVATION
Transition Barrier and Bridge Railing not shown

143-485

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E		BRIDGE NO. 5822	
PIN 12542.00		BRIDGE PLANS	
PROJECT MANAGER	D. ANDERSON	BY	B. SCHUBERT
DESIGNER	DESIGNER	CHECKED	CHECKED
DESIGNED	DESIGNED	DESIGNED	DESIGNED
REVISIONS	1	REVISIONS	2
REVISIONS	3	REVISIONS	4
REVISIONS	5	REVISIONS	6
REVISIONS	7	REVISIONS	8
REVISIONS	9	REVISIONS	10
REVISIONS	11	REVISIONS	12
REVISIONS	13	REVISIONS	14
REVISIONS	15	REVISIONS	16
REVISIONS	17	REVISIONS	18
REVISIONS	19	REVISIONS	20
REVISIONS	21	REVISIONS	22
REVISIONS	23	REVISIONS	24
REVISIONS	25	REVISIONS	26
REVISIONS	27	REVISIONS	28
REVISIONS	29	REVISIONS	30
REVISIONS	31	REVISIONS	32
REVISIONS	33	REVISIONS	34
REVISIONS	35	REVISIONS	36
REVISIONS	37	REVISIONS	38
REVISIONS	39	REVISIONS	40
REVISIONS	41	REVISIONS	42
REVISIONS	43	REVISIONS	44
REVISIONS	45	REVISIONS	46
REVISIONS	47	REVISIONS	48
REVISIONS	49	REVISIONS	50
REVISIONS	51	REVISIONS	52
REVISIONS	53	REVISIONS	54
REVISIONS	55	REVISIONS	56
REVISIONS	57	REVISIONS	58
REVISIONS	59	REVISIONS	60
REVISIONS	61	REVISIONS	62
REVISIONS	63	REVISIONS	64
REVISIONS	65	REVISIONS	66
REVISIONS	67	REVISIONS	68
REVISIONS	69	REVISIONS	70
REVISIONS	71	REVISIONS	72
REVISIONS	73	REVISIONS	74
REVISIONS	75	REVISIONS	76
REVISIONS	77	REVISIONS	78
REVISIONS	79	REVISIONS	80
REVISIONS	81	REVISIONS	82
REVISIONS	83	REVISIONS	84
REVISIONS	85	REVISIONS	86
REVISIONS	87	REVISIONS	88
REVISIONS	89	REVISIONS	90
REVISIONS	91	REVISIONS	92
REVISIONS	93	REVISIONS	94
REVISIONS	95	REVISIONS	96
REVISIONS	97	REVISIONS	98
REVISIONS	99	REVISIONS	100
REVISIONS	101	REVISIONS	102
REVISIONS	103	REVISIONS	104
REVISIONS	105	REVISIONS	106
REVISIONS	107	REVISIONS	108
REVISIONS	109	REVISIONS	110
REVISIONS	111	REVISIONS	112
REVISIONS	113	REVISIONS	114
REVISIONS	115	REVISIONS	116
REVISIONS	117	REVISIONS	118
REVISIONS	119	REVISIONS	120
REVISIONS	121	REVISIONS	122
REVISIONS	123	REVISIONS	124
REVISIONS	125	REVISIONS	126
REVISIONS	127	REVISIONS	128
REVISIONS	129	REVISIONS	130
REVISIONS	131	REVISIONS	132
REVISIONS	133	REVISIONS	134
REVISIONS	135	REVISIONS	136
REVISIONS	137	REVISIONS	138
REVISIONS	139	REVISIONS	140
REVISIONS	141	REVISIONS	142
REVISIONS	143	REVISIONS	144
REVISIONS	145	REVISIONS	146
REVISIONS	147	REVISIONS	148
REVISIONS	149	REVISIONS	150
REVISIONS	151	REVISIONS	152
REVISIONS	153	REVISIONS	154
REVISIONS	155	REVISIONS	156
REVISIONS	157	REVISIONS	158
REVISIONS	159	REVISIONS	160
REVISIONS	161	REVISIONS	162
REVISIONS	163	REVISIONS	164
REVISIONS	165	REVISIONS	166
REVISIONS	167	REVISIONS	168
REVISIONS	169	REVISIONS	170
REVISIONS	171	REVISIONS	172
REVISIONS	173	REVISIONS	174
REVISIONS	175	REVISIONS	176
REVISIONS	177	REVISIONS	178
REVISIONS	179	REVISIONS	180
REVISIONS	181	REVISIONS	182
REVISIONS	183	REVISIONS	184
REVISIONS	185	REVISIONS	186
REVISIONS	187	REVISIONS	188
REVISIONS	189	REVISIONS	190
REVISIONS	191	REVISIONS	192
REVISIONS	193	REVISIONS	194
REVISIONS	195	REVISIONS	196
REVISIONS	197	REVISIONS	198
REVISIONS	199	REVISIONS	200
REVISIONS	201	REVISIONS	202
REVISIONS	203	REVISIONS	204
REVISIONS	205	REVISIONS	206
REVISIONS	207	REVISIONS	208
REVISIONS	209	REVISIONS	210
REVISIONS	211	REVISIONS	212
REVISIONS	213	REVISIONS	214
REVISIONS	215	REVISIONS	216
REVISIONS	217	REVISIONS	218
REVISIONS	219	REVISIONS	220
REVISIONS	221	REVISIONS	222
REVISIONS	223	REVISIONS	224
REVISIONS	225	REVISIONS	226
REVISIONS	227	REVISIONS	228
REVISIONS	229	REVISIONS	230
REVISIONS	231	REVISIONS	232
REVISIONS	233	REVISIONS	234
REVISIONS	235	REVISIONS	236
REVISIONS	237	REVISIONS	238
REVISIONS	239	REVISIONS	240
REVISIONS	241	REVISIONS	242
REVISIONS	243	REVISIONS	244
REVISIONS	245	REVISIONS	246
REVISIONS	247	REVISIONS	248
REVISIONS	249	REVISIONS	250
REVISIONS	251	REVISIONS	252
REVISIONS	253	REVISIONS	254
REVISIONS	255	REVISIONS	256
REVISIONS	257	REVISIONS	258
REVISIONS	259	REVISIONS	260
REVISIONS	261	REVISIONS	262
REVISIONS	263	REVISIONS	264
REVISIONS	265	REVISIONS	266
REVISIONS	267	REVISIONS	268
REVISIONS	269	REVISIONS	270
REVISIONS	271	REVISIONS	272
REVISIONS	273	REVISIONS	274
REVISIONS	275	REVISIONS	276
REVISIONS	277	REVISIONS	278
REVISIONS	279	REVISIONS	280
REVISIONS	281	REVISIONS	282
REVISIONS	283	REVISIONS	284
REVISIONS	285	REVISIONS	286
REVISIONS	287	REVISIONS	288
REVISIONS	289	REVISIONS	290
REVISIONS	291	REVISIONS	292
REVISIONS	293	REVISIONS	294
REVISIONS	295	REVISIONS	296
REVISIONS	297	REVISIONS	298
REVISIONS	299	REVISIONS	300
REVISIONS	301	REVISIONS	302
REVISIONS	303	REVISIONS	304
REVISIONS	305	REVISIONS	306
REVISIONS	307	REVISIONS	308
REVISIONS	309	REVISIONS	310
REVISIONS	311	REVISIONS	312
REVISIONS	313	REVISIONS	314
REVISIONS	315	REVISIONS	316
REVISIONS	317	REVISIONS	318
REVISIONS	319	REVISIONS	320
REVISIONS	321	REVISIONS	322
REVISIONS	323	REVISIONS	324
REVISIONS	325	REVISIONS	326
REVISIONS	327	REVISIONS	328
REVISIONS	329	REVISIONS	330
REVISIONS	331	REVISIONS	332
REVISIONS	333	REVISIONS	334
REVISIONS	335	REVISIONS	336
REVISIONS	337	REVISIONS	338
REVISIONS	339	REVISIONS	340
REVISIONS	341	REVISIONS	342
REVISIONS	343	REVISIONS	344
REVISIONS	345	REVISIONS	346
REVISIONS	347	REVISIONS	348
REVISIONS	349	REVISIONS	350
REVISIONS	351	REVISIONS	352
REVISIONS	353	REVISIONS	354
REVISIONS	355	REVISIONS	356
REVISIONS	357	REVISIONS	358
REVISIONS	359	REVISIONS	360
REVISIONS	361	REVISIONS	362
REVISIONS	363	REVISIONS	364
REVISIONS	365	REVISIONS	366
REVISIONS	367	REVISIONS	368
REVISIONS	369	REVISIONS	370
REVISIONS	371	REVISIONS	372
REVISIONS	373	REVISIONS	374
REVISIONS	375	REVISIONS	376
REVISIONS	377	REVISIONS	378
REVISIONS	379	REVISIONS	380
REVISIONS	381	REVISIONS	382
REVISIONS	383	REVISIONS	384
REVISIONS	385	REVISIONS	386
REVISIONS	387	REVISIONS	388
REVISIONS	389	REVISIONS	390
REVISIONS	391	REVISIONS	392
REVISIONS	393	REVISIONS	394
REVISIONS	395	REVISIONS	396
REVISIONS	397	REVISIONS	398
REVISIONS	399	REVISIONS	400
REVISIONS	401	REVISIONS	402
REVISIONS	403	REVISIONS	404
REVISIONS	405	REVISIONS	406
REVISIONS	407	REVISIONS	408
REVISIONS	409	REVISIONS	410
REVISIONS	411	REVISIONS	412
REVISIONS	413	REVISIONS	414
REVISIONS	415	REVISIONS	416
REVISIONS	417	REVISIONS	418
REVISIONS	419	REVISIONS	420
REVISIONS	421	REVISIONS	422
REVISIONS	423	REVISIONS	424
REVISIONS	425	REVISIONS	426
REVISIONS	427	REVISIONS	428
REVISIONS	429	REVISIONS	430
REVISIONS	431	REVISIONS	432
REVISIONS	433	REVISIONS	434
REVISIONS	435	REVISIONS	436
REVISIONS	437	REVISIONS	438
REVISIONS	439	REVISIONS	440
REVISIONS	441	REVISIONS	442
REVISIONS	443	REVISIONS	444
REVISIONS	445	REVISIONS	446
REVISIONS	447	REVISIONS	448
REVISIONS	449	REVISIONS	450
REVISIONS	451	REVISIONS	452
REVISIONS	453	REVISIONS	454
REVISIONS	455	REVISIONS	456
REVISIONS	457	REVISIONS	458
REVISIONS	459	REVISIONS	460
REVISIONS	461	REVISIONS	462
REVISIONS	463	REVISIONS	464
REVISIONS	465	REVISIONS	466
REVISIONS	467	REVISIONS	468
REVISIONS	469	REVISIONS	470
REVISIONS	471	REVISIONS	472
REVISIONS	473	REVISIONS	474
REVISIONS	475	REVISIONS	476
REVISIONS	477	REVISIONS	478
REVISIONS	479	REVISIONS	480
REVISIONS	481	REVISIONS	482
REVISIONS	483	REVISIONS	484
REVISIONS	485	REVISIONS	486
REVISIONS	487	REVISIONS	488
REVISIONS	489	REVISIONS	490
REVISIONS	491	REVISIONS	492
REVISIONS	493	REVISIONS	494
REVISIONS	495	REVISIONS	496
REVISIONS	497	REVISIONS	498
REVISIONS	499	REVISIONS	500
REVISIONS	501	REVISIONS	502
REVISIONS	503	REVISIONS	504
REVISIONS	505	REVISIONS	506
REVISIONS	507	REVISIONS	508
REVISIONS	509	REVISIONS	510
REVISIONS	511	REVISIONS	512
REVISIONS	513	REVISIONS	514
REVISIONS	515	REVISIONS	516
REVISIONS	517	REVISIONS	518
REVISIONS	519	REVISIONS	520
REVISIONS	521	REVISIONS	522
REVISIONS	523	REVISIONS	524
REVISIONS	525	REVISIONS	526
REVISIONS	527	REVISIONS	528
REVISIONS	529	REVISIONS	530
REVISIONS	531	REVISIONS	532
REVISIONS	533	REVISIONS	534
REVISIONS	535	REVISIONS	536
REVISIONS	537	REVISIONS	538
REVISIONS	539	REVISIONS	540
REVISIONS	541	REVISIONS	542
REVISIONS	543	REVISIONS	544
REVISIONS	545	REVISIONS	546
REVISIONS	547	REVISIONS	548
REVISIONS	549	REVISIONS	550
REVISIONS	551	REVISIONS	552
REVISIONS	553	REVISIONS	554
REVISIONS	555	REVISIONS	556
REVISIONS	557	REVISIONS	558
REVISIONS	559	REVISIONS	560

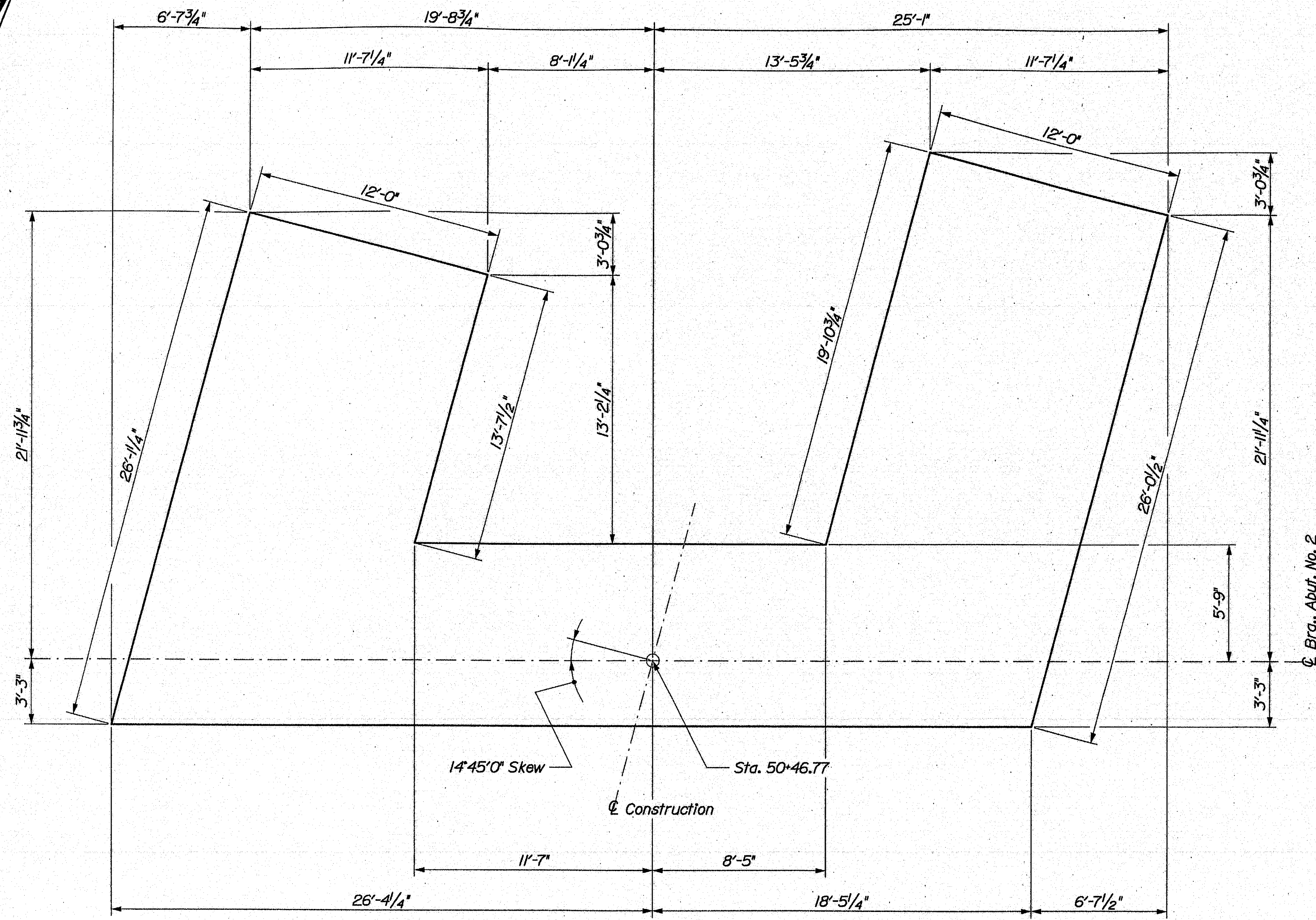
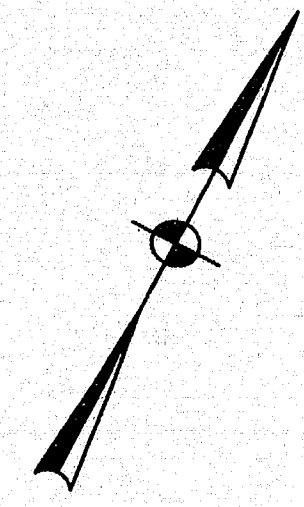


LEGEND
 N.F. = Near Face
 F.F. = Far Face
 E.F. = Each Face

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E		BRIDGE NO. 9522		PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		INTERSTATE 95		PENOBSCOT COUNTY		BANGOR		ABUT. NO. 1 REINFORCING		SHEET NUMBER	
13		OF 30		143-486							

Filename: ... \014_Abument_No.1 Sections.dgn

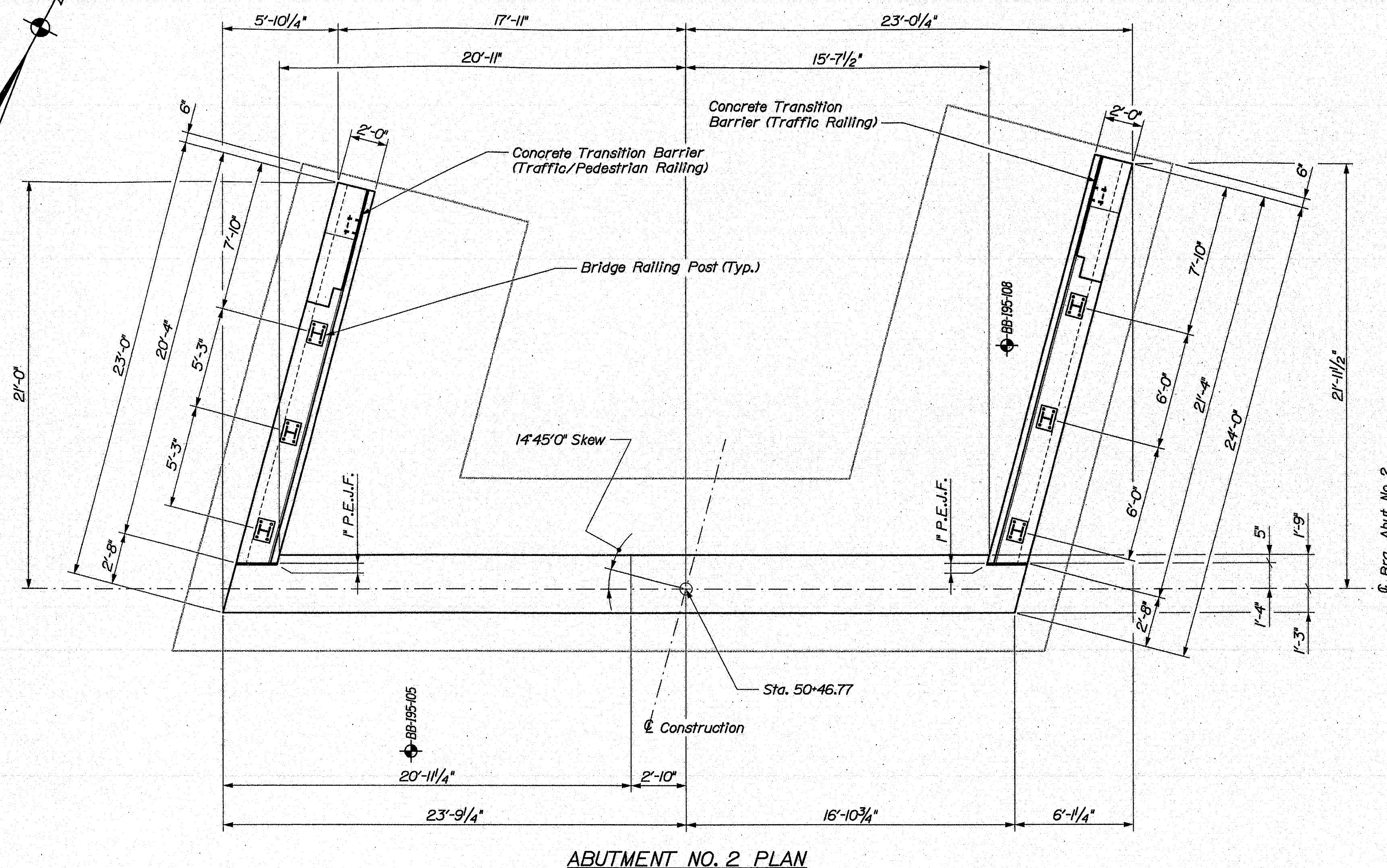
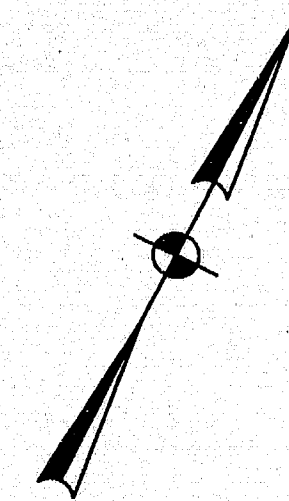
143-487



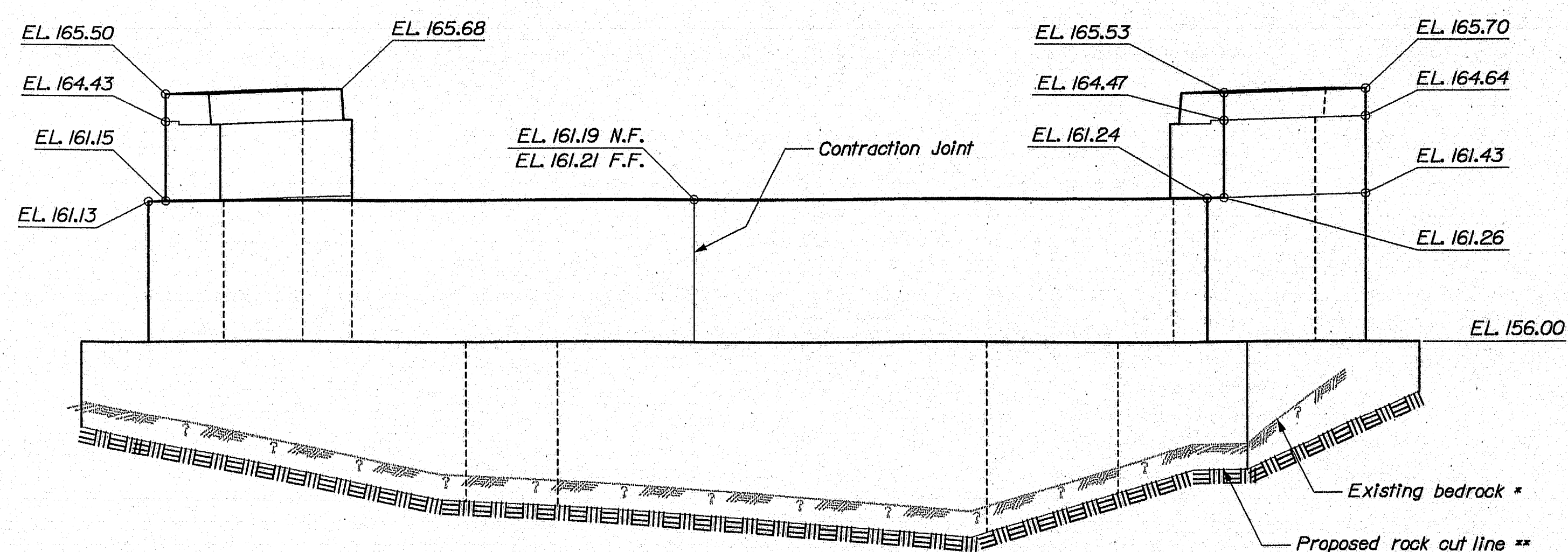
ABUTMENT NO. 2 FOOTING PLAN

SHEET NUMBER 15 OF 30	ESSEX STREET BRIDGE INTERSTATE 95 BANGOR PENOBSCOT COUNTY ABUT. NO. 2 FOOTING	PROJ. NUMBER DESIGNED BY CHECKED BY DESIGNED BY REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	BY DATE	SIGNATURE P.E. NUMBER DATE	STATE OF MAINE
					DEPARTMENT OF TRANSPORTATION
		AC-IM-1264(200)E		BRIDGE NO. 5822	
		PIN 12642.00		BRIDGE PLANS	

143-488



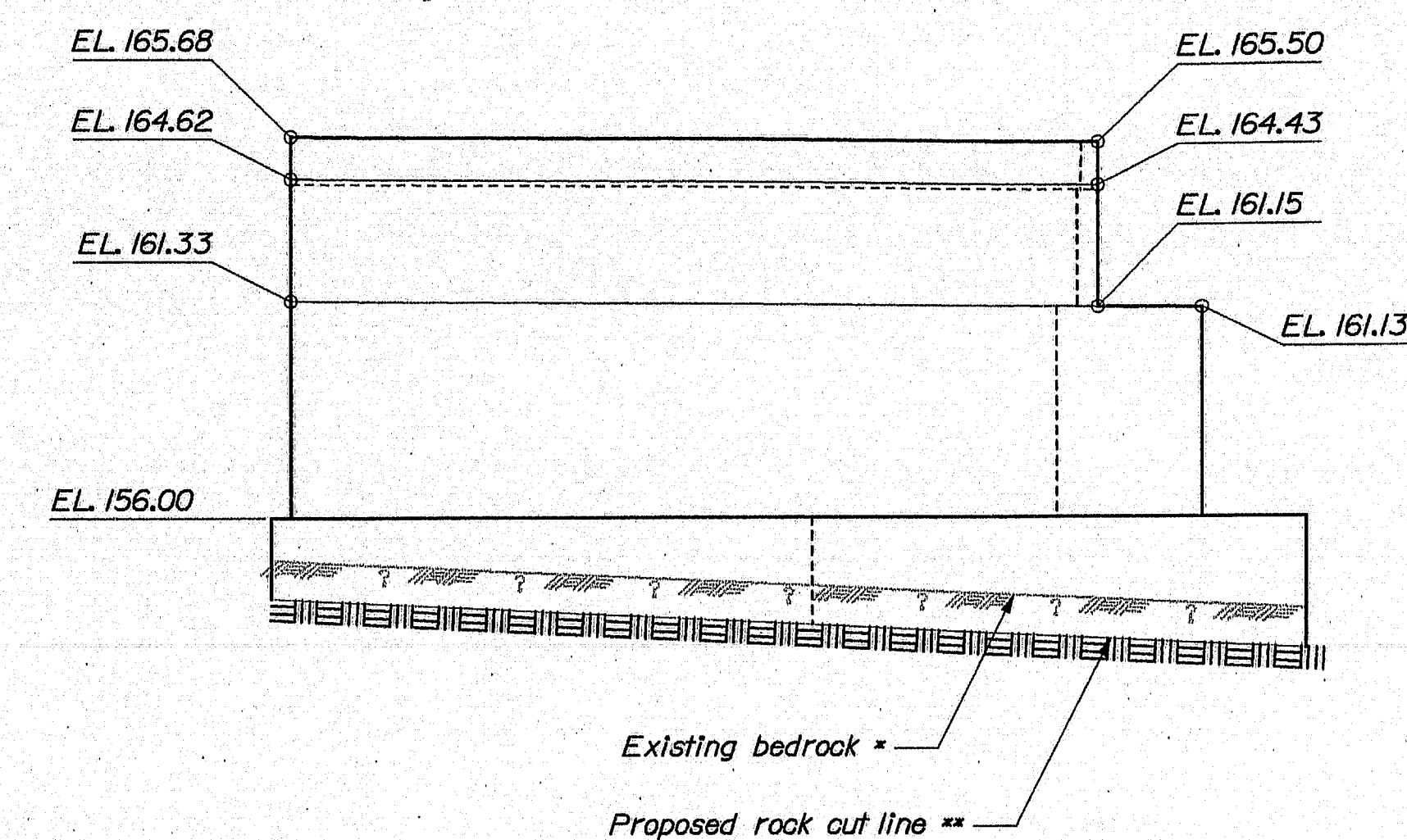
ABUTMENT NO. 2 PLAN



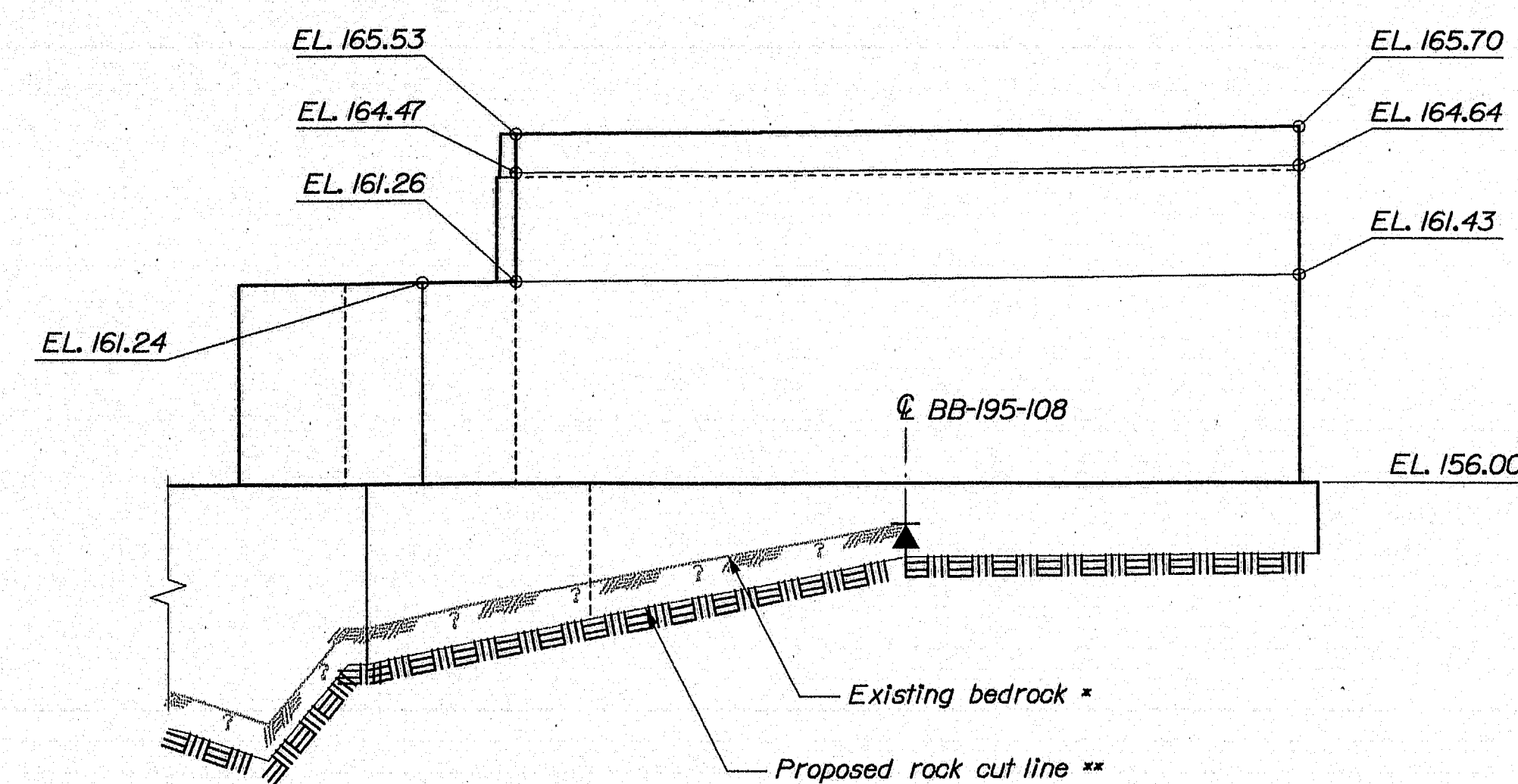
ABUTMENT NO. 2 ELEVATION
Transition Barrier and Bridge Railing not shown

SYMBOLS

- * Approximate existing bedrock surface daylighting at cut
- ** Estimated bedrock surface (variable) after preparation



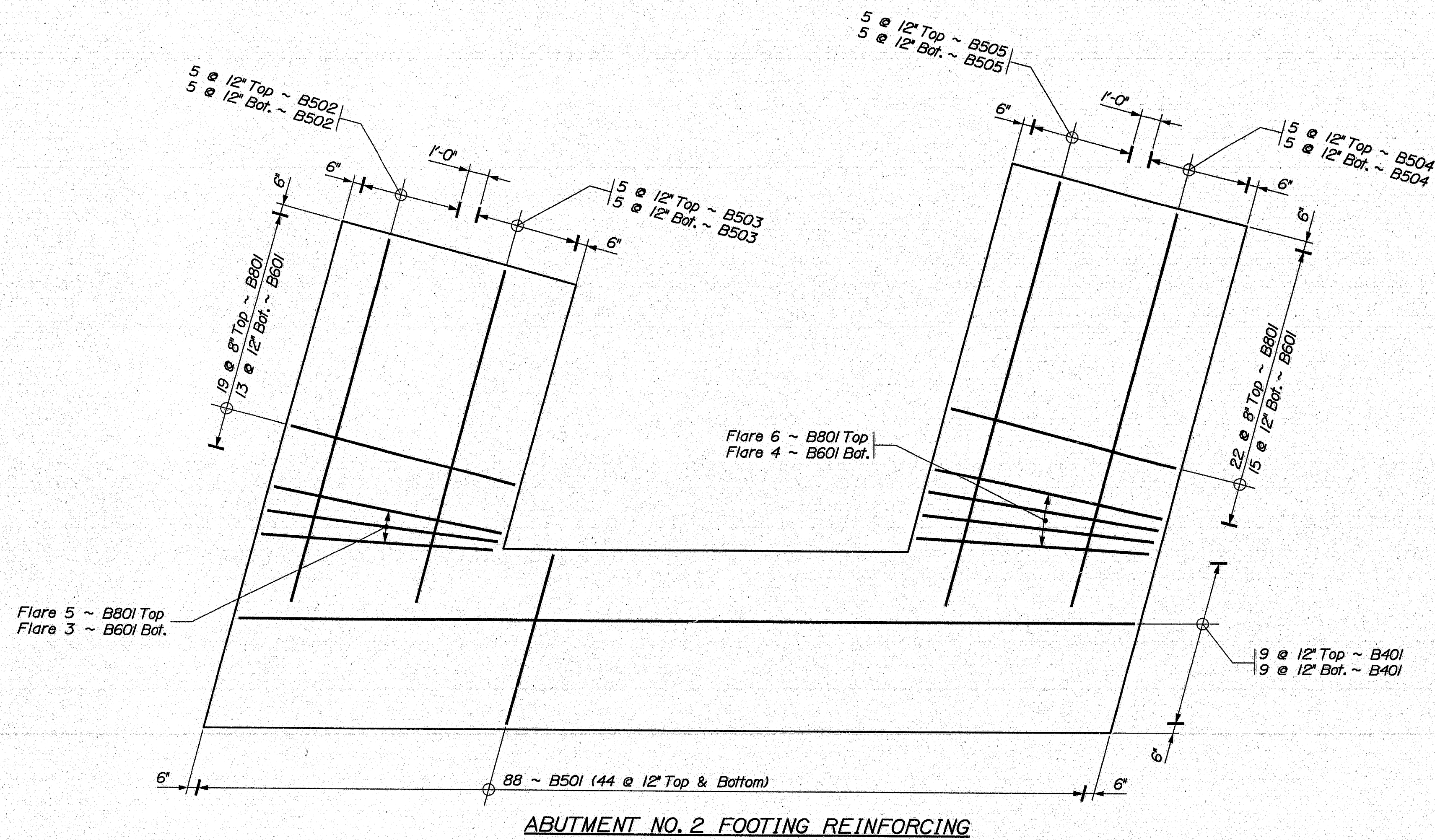
WESTERLY WINGWALL ELEVATION
Transition Barrier and Bridge Railing not shown



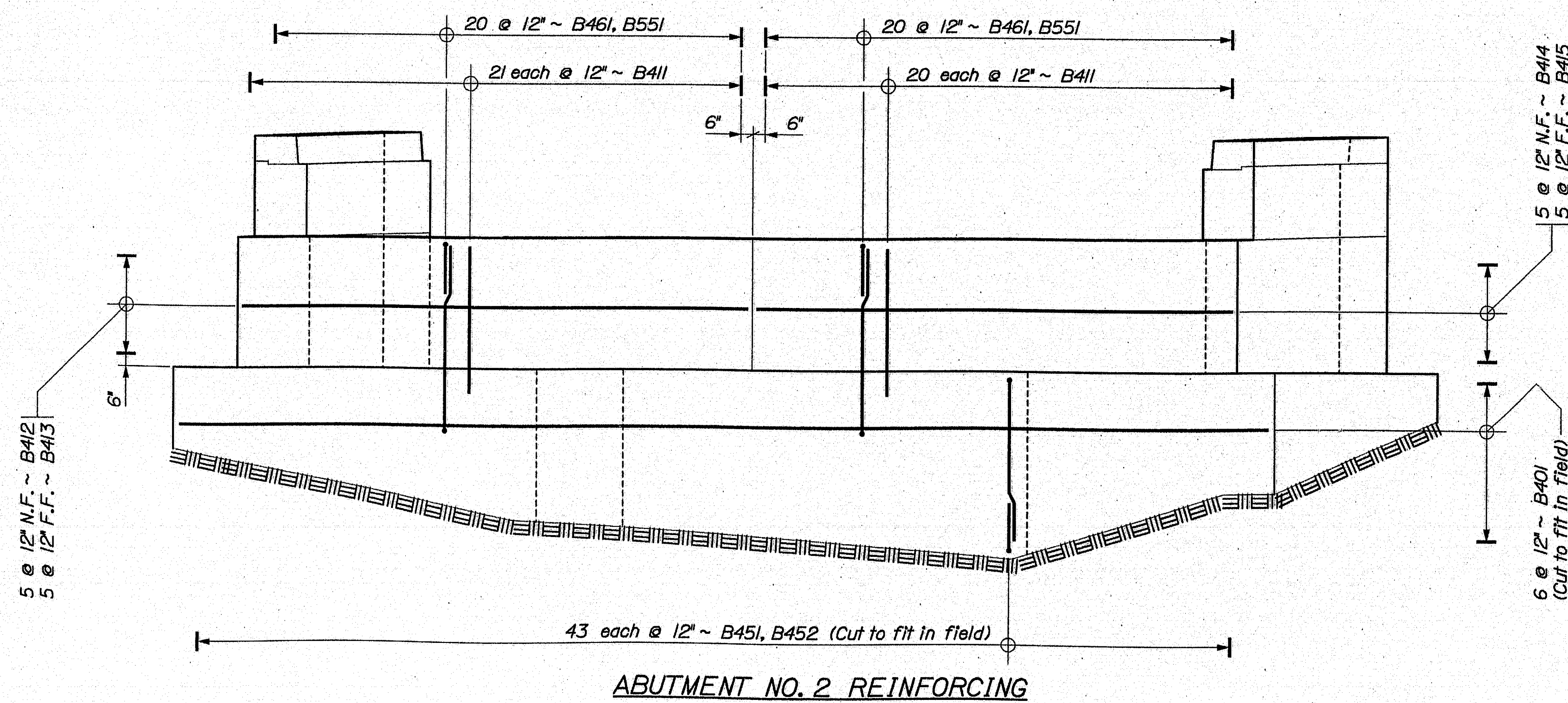
EASTERLY WINGWALL ELEVATION
Transition Barrier and Bridge Railing not shown

143-489

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		AC-1M-1264(200)E		BRIDGE NO. 5622		PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		INTERSTATE 95		PENOBSCOT COUNTY		BANGOR		ABUT. NO. 2 PLAN & ELEV.		SHEET NUMBER	
16		OF 30		DATE		SIGNATURE		P.L. NUMBER		DATE	
DESIGN-DETAILED		BY		DATE		DESIGN-REVIEWED		REVISIONS 1		REVISIONS 2	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 3		REVISIONS 4	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 5		REVISIONS 6	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 7		REVISIONS 8	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 9		REVISIONS 10	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 11		REVISIONS 12	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 13		REVISIONS 14	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 15		REVISIONS 16	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 17		REVISIONS 18	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 19		REVISIONS 20	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 21		REVISIONS 22	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 23		REVISIONS 24	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 25		REVISIONS 26	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 27		REVISIONS 28	
DESIGN-REVIEWED		BY		DATE		DESIGN-REVIEWED		REVISIONS 29		REVISIONS 30	

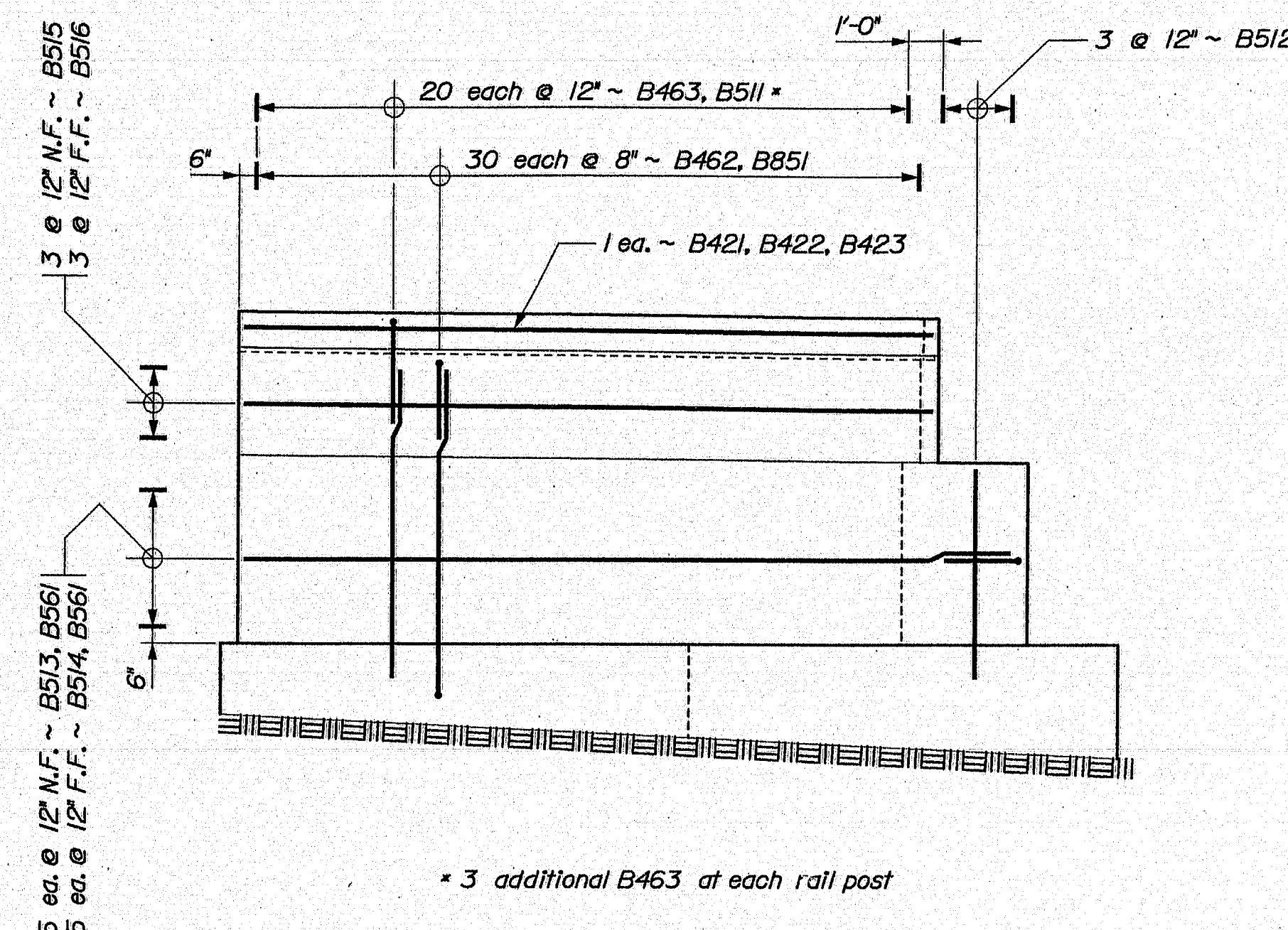


ABUTMENT NO. 2 FOOTING REINFORCING

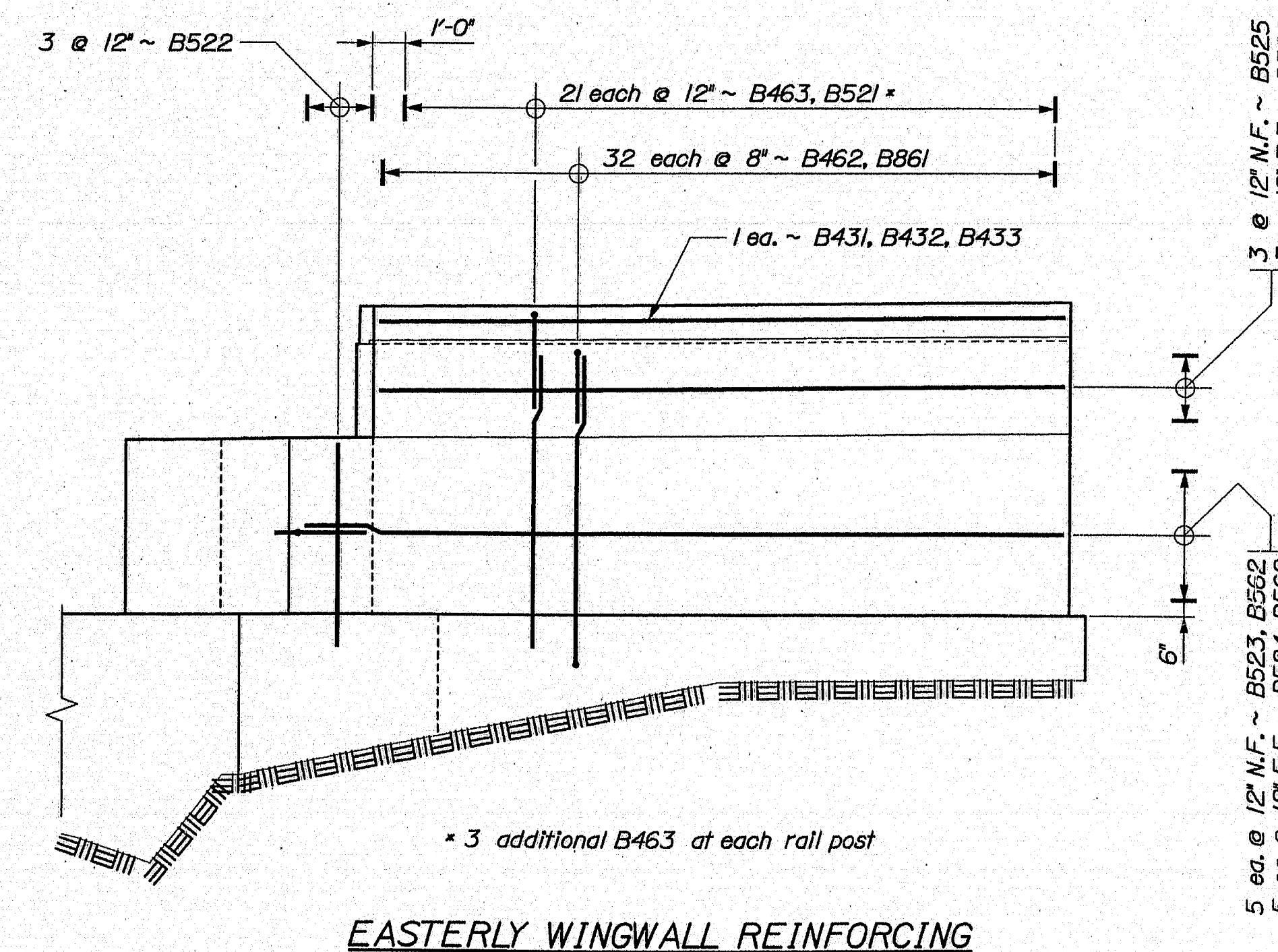


ABUTMENT NO. 2 REINFORCING

LEGEND
 N.F. = Near Face
 F.F. = Far Face
 E.F. = Each Face



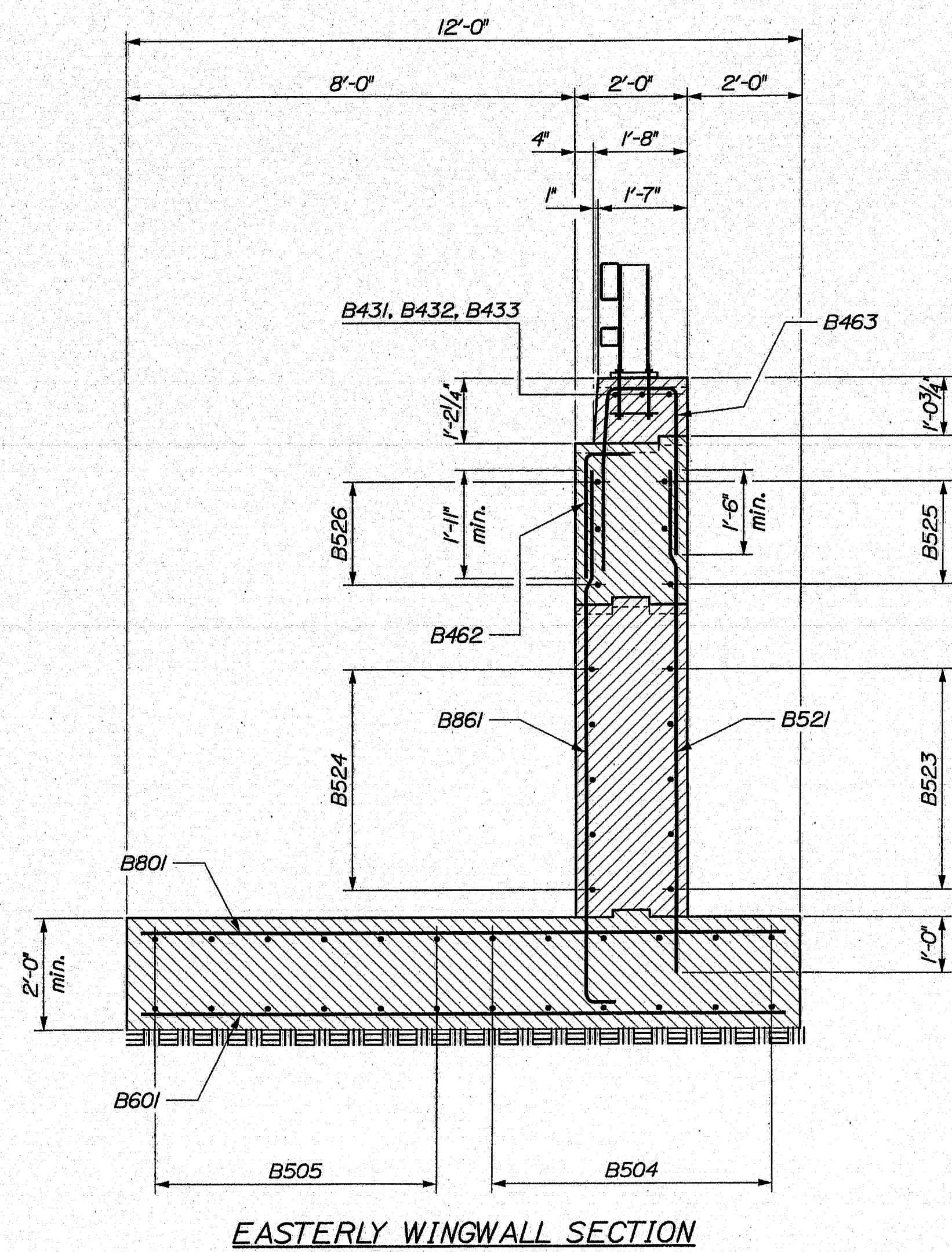
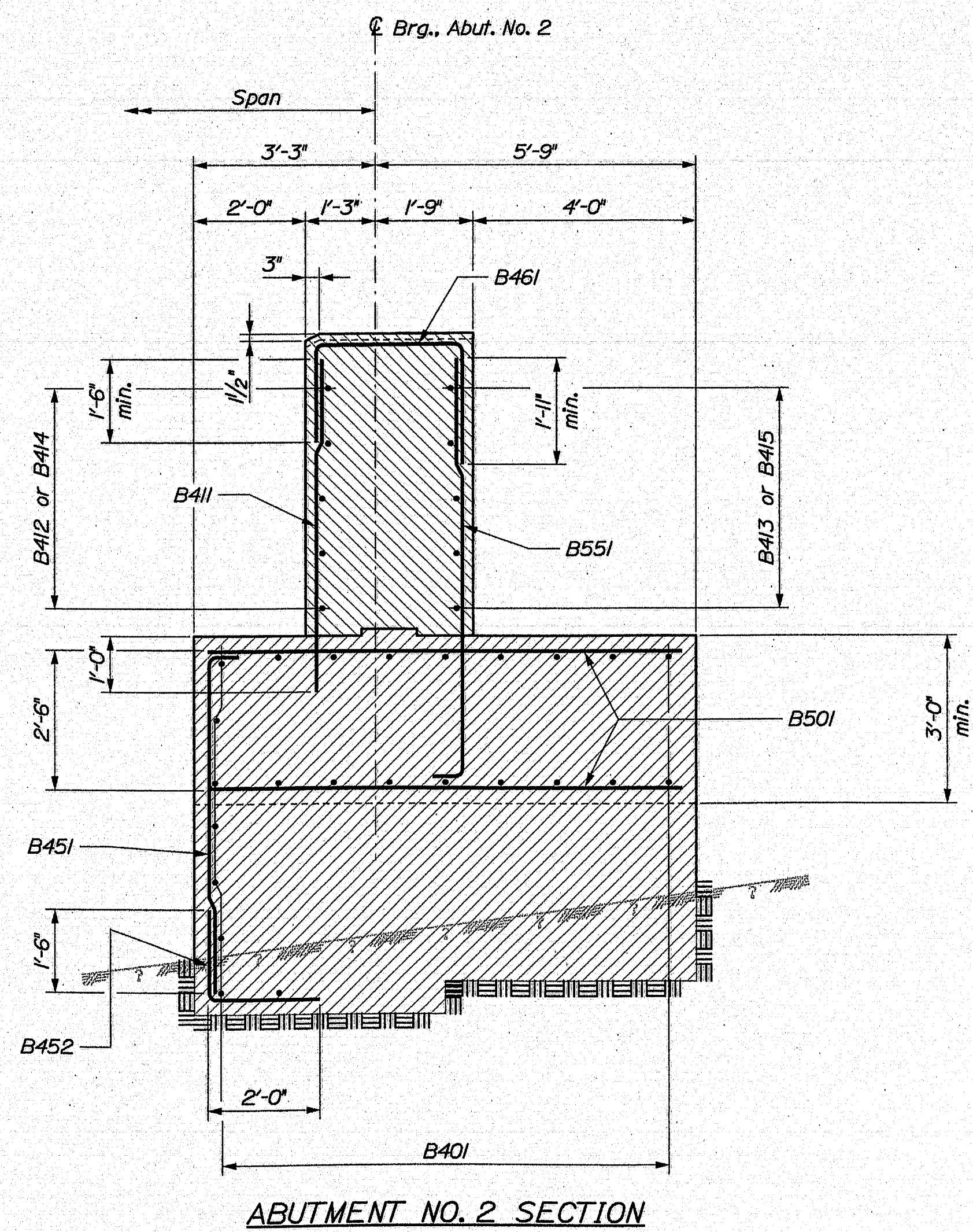
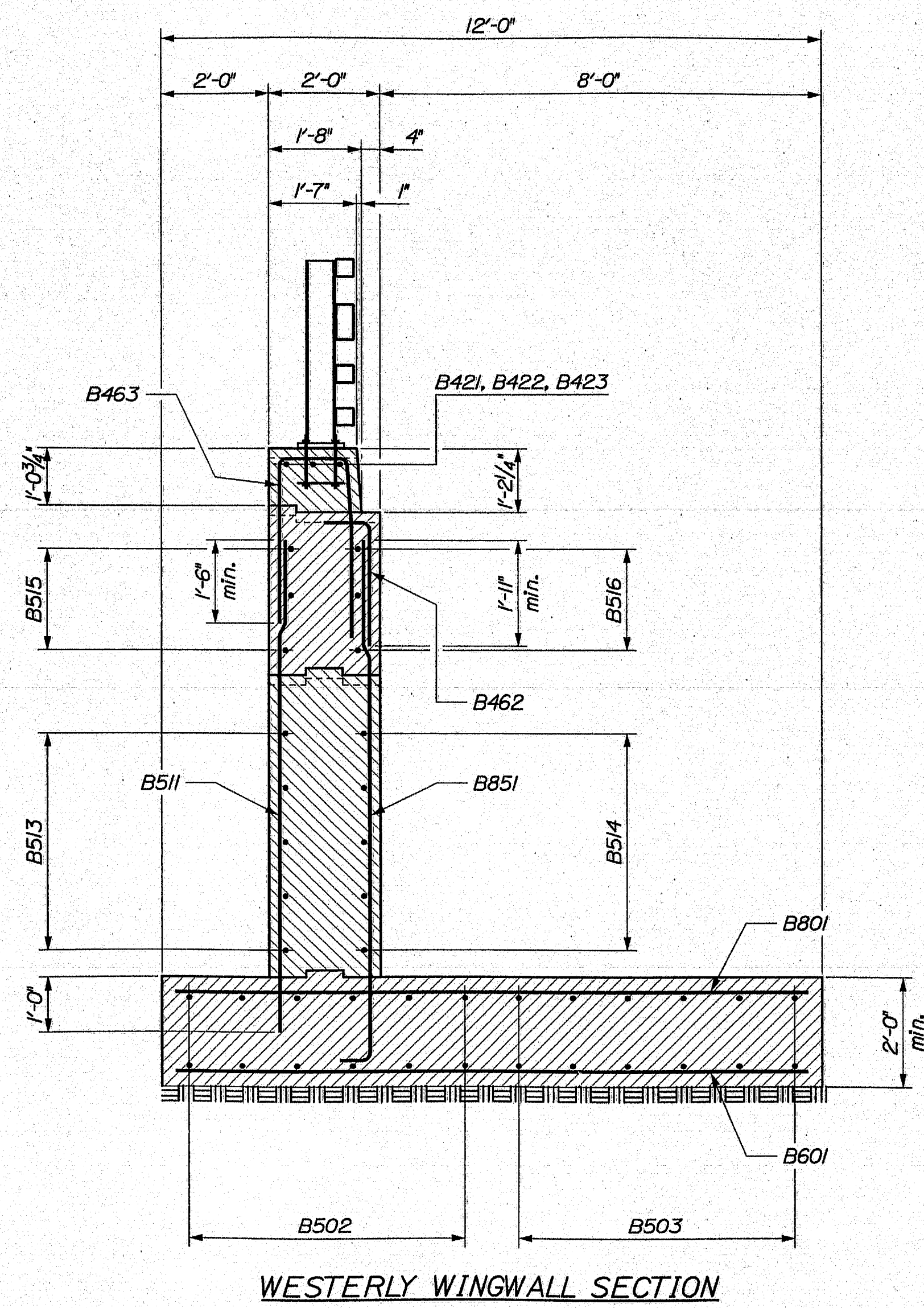
WESTERLY WINGWALL REINFORCING



EASTERLY WINGWALL REINFORCING

143-490

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E		BRIDGE NO. 5922	
ESSEX STREET BRIDGE		INTERSTATE 95	
BANGOR		PENOBSCOT COUNTY	
ABUT. NO. 2 REINFORCING		SHEET NUMBER	
		17	
		OF 30	
PROJ. MANAGER	DATE	BY	SIGNATURE
DESIGN-DETAILED			
CHECKED-REVIEWER			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

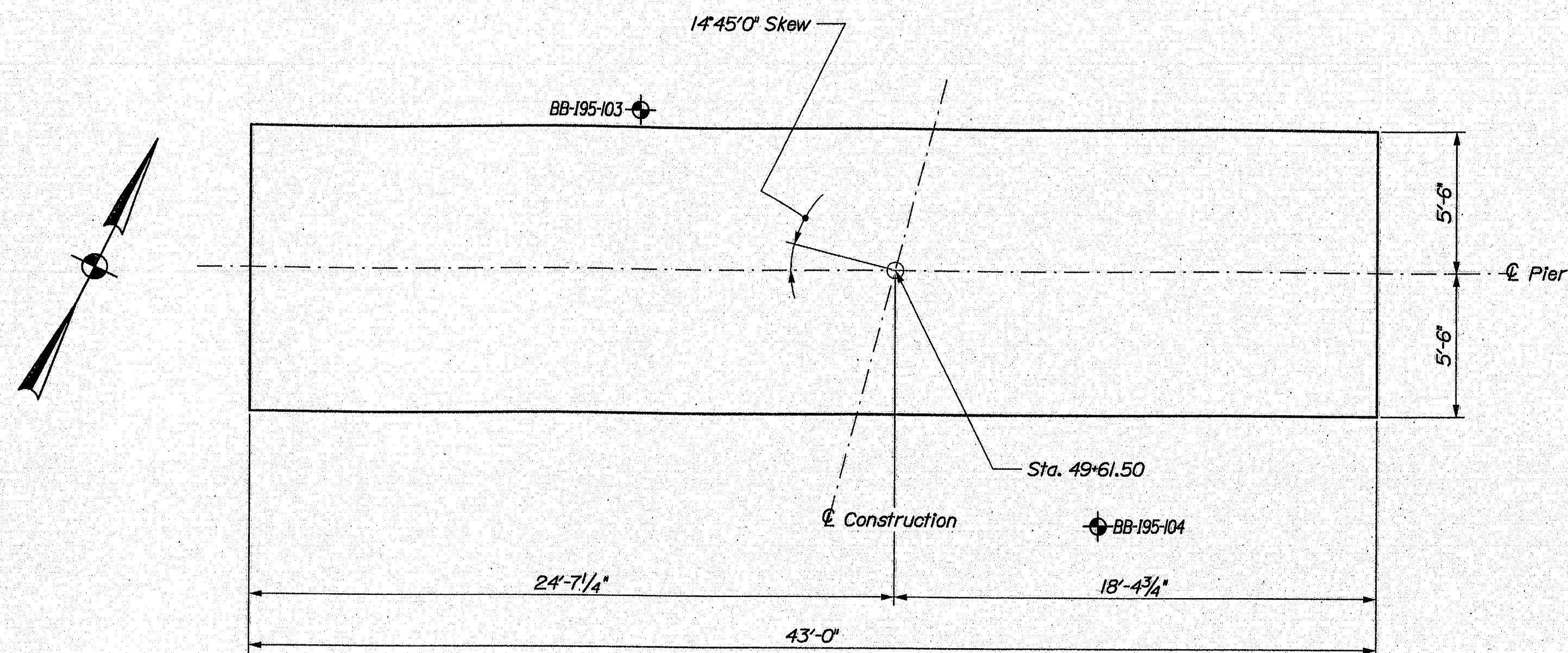


SYMBOLS

- Approximate existing bedrock surface daylighting at cut
- Estimated bedrock surface (variable) after preparation

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-11M-1264(200)E		BRIDGE NO. 5822	
PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		BANGOR	
INTERSTATE 95		PENOBSCOT COUNTY	
ABUT. NO. 2 SECTIONS		SHEET NUMBER	
18		OF 30	
PROJ. MANAGER	D. ANDERSON	BY	B. SCHUBERT
CHECKED	REVIEWED	DATE	
DESIGN	DETAILS	SIGNATURE	
DESIGN	DETAILS	P.E. NUMBER	
REVISIONS 1		DATE	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
REVISIONS 5			

143-491



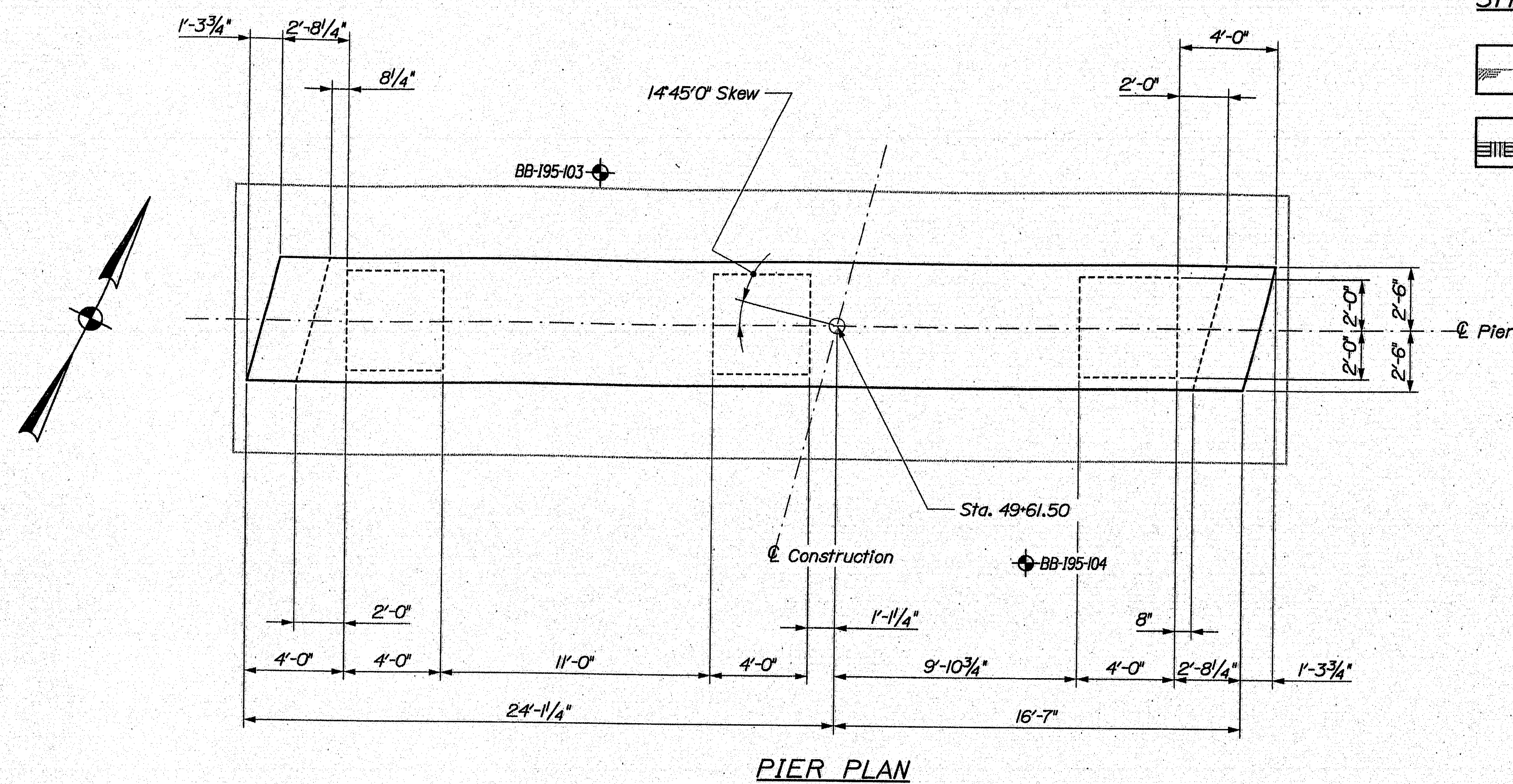
PIER FOOTING PLAN

PIER NOTES

1. Maximum calculated footing pressure is 5.75 klps per square foot.
2. Reinforcing steel shall have a minimum concrete cover of 3 inches unless otherwise noted.
3. Payment for the pier footing will be made under Item No. 502.23, Structural Concrete Piers (Cubic Yard).
4. Payment for pier columns and cap will be made under Item No. 502.239, Structural Concrete Piers (Lump Sum).
5. The bedrock surface shall be cleared of all loose concrete, all decomposed, weathered and fractured rock and loose soil. The bearing surfaces shall then be washed with high-pressure water and air. The resulting surface of the sound, intact bedrock is expected to be irregular with elevations varying by as much as 5 to 7 feet in both the longitudinal and transverse directions. The bedrock surface shall be stepped to create level benches or excavated to be level overall. The final bedrock surface shall be approved by the Resident prior to placement of the pier fill and footing concrete.
6. Pier demolition and construction will require temporary internally - braced lateral earth support systems and bracing to support earth and traffic loads due to the proximity of the excavation to the travel lanes of Interstate 95. The Contractor shall select his method of temporary lateral earth support and submit shop drawings and supporting calculations of the proposed temporary excavation support system. The submittal shall be prepared by the Professional Engineer licensed in the State of Maine. Design, construction and maintenance of internally braced earth support systems will be paid for under Item No. 511.07, Cofferdam - Pier.
7. Groundwater levels are expected to be at or above the bottom of footing levels during construction of the pier. Inflow of water to the excavation shall be handled by open pumping with sumps and shall be incidental to related pay items. The Contractor is responsible for controlling groundwater, surface runoff, infiltration and water from all other methods which preserve the undisturbed condition of the subgrade, adjacent pavement structures and permit construction in the dry.

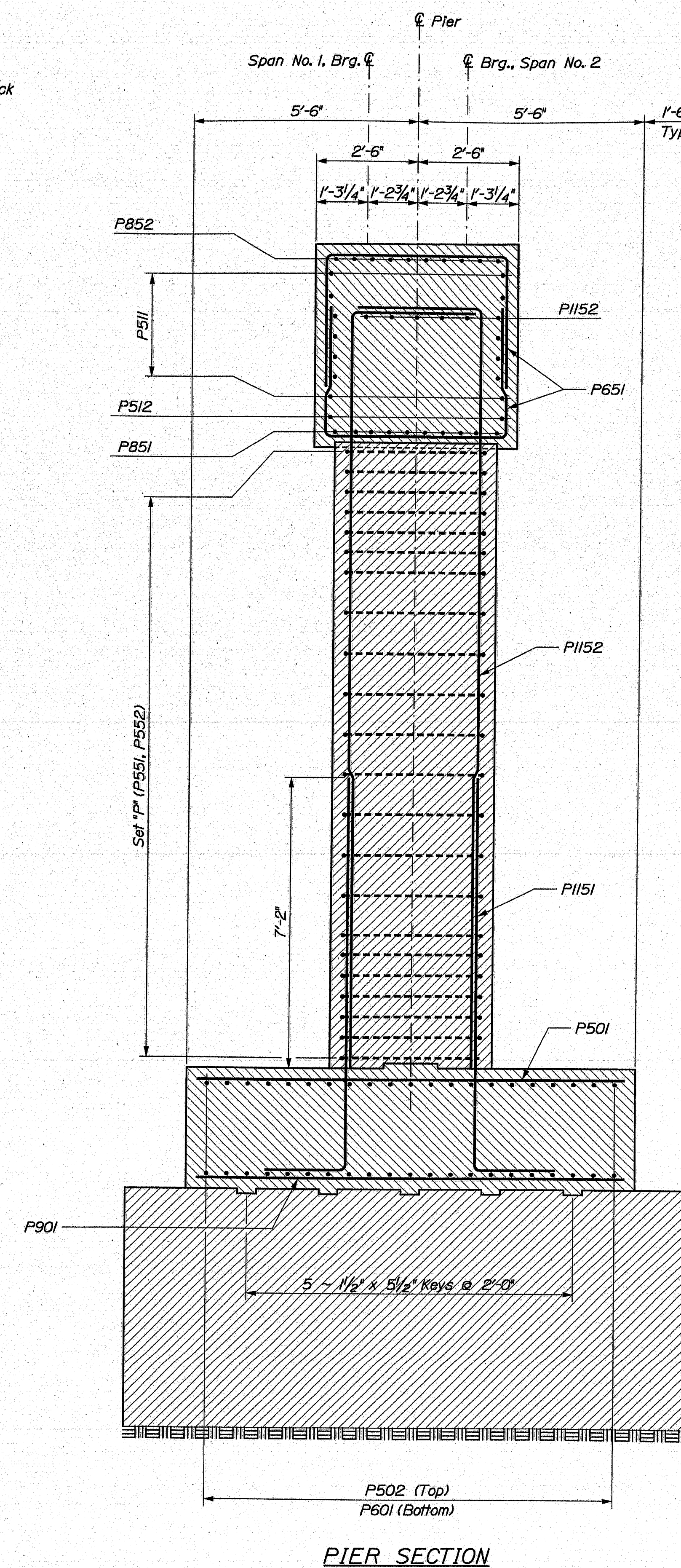
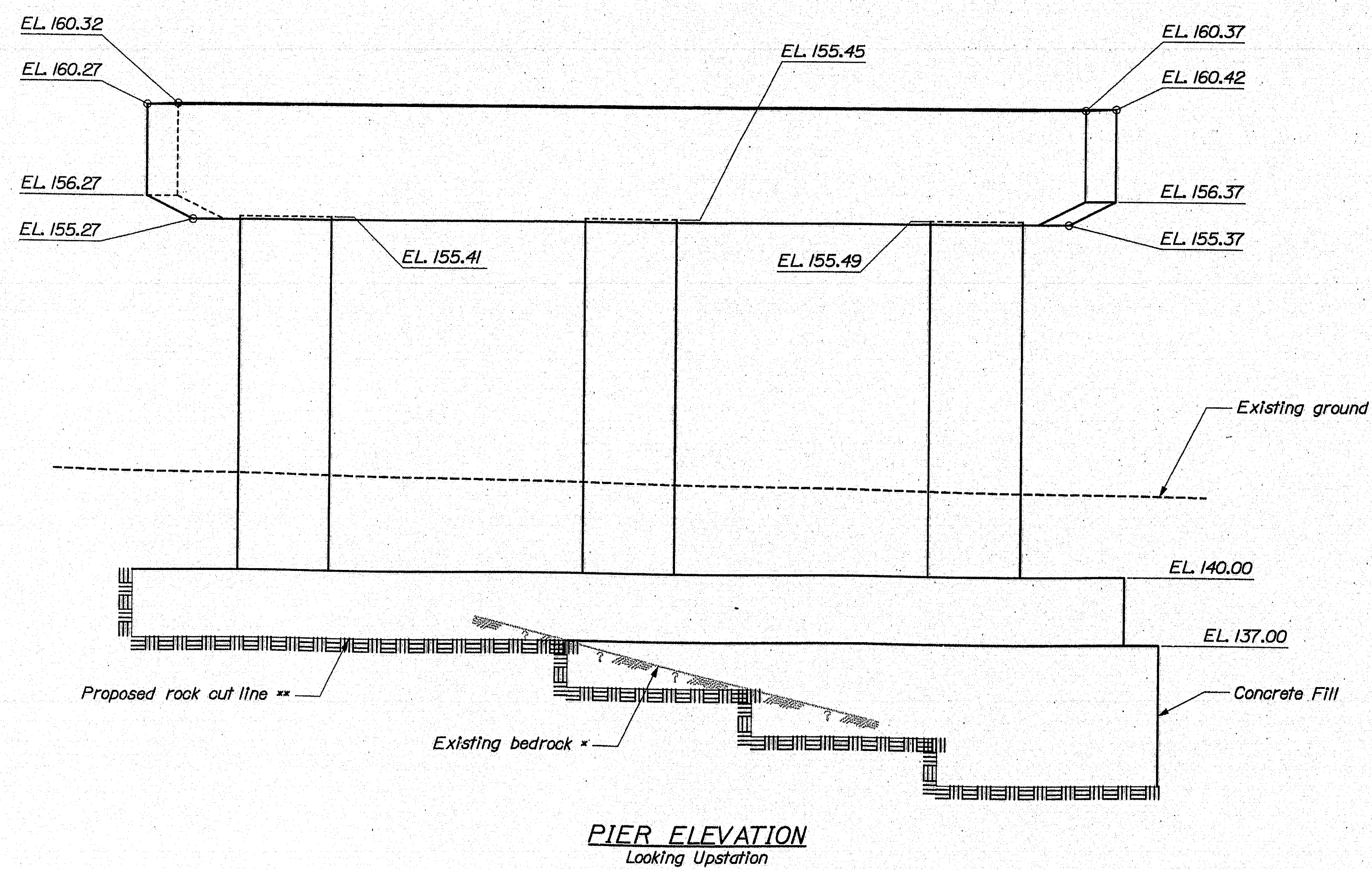
STATE OF MAINE DEPARTMENT OF TRANSPORTATION AC-IM-1264(200)E		BRIDGE NO. 5822 PIN 12642.00 BRIDGE PLANS																																																																																																																																																																																																																																																																																																																																																																																																																																	
ESSEX STREET BRIDGE INTERSTATE 95 BANGOR PENOBSCOT COUNTY		PIER FOOTING																																																																																																																																																																																																																																																																																																																																																																																																																																	
SHEET NUMBER 19 OF 30		<table border="1"> <tr> <td>PROJ. MANAGER</td> <td>D. ANDERSON</td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>DESIGN-DETAILED</td> <td>B. Schaefer</td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>CHECKED-REVIEWER</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>DESIGN-DETAILED</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 1</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 2</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 3</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 4</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 5</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 6</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 7</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 8</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 9</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 10</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 11</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 12</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 13</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 14</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 15</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 16</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 17</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 18</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 19</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 20</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 21</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 22</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 23</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 24</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 25</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 26</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 27</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 28</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 29</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 30</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 31</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 32</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 33</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 34</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 35</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 36</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 37</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 38</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 39</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 40</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 41</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 42</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 43</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 44</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 45</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 46</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 47</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 48</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 49</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 50</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 51</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 52</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 53</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 54</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 55</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 56</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 57</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 58</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 59</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 60</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 61</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 62</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 63</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 64</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 65</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 66</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 67</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 68</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 69</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 70</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 71</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 72</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 73</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 74</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 75</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 76</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 77</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 78</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 79</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 80</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 81</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 82</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 83</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 84</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 85</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 86</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 87</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 88</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 89</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 90</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 91</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 92</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 93</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 94</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 95</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 96</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 97</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 98</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 99</td> <td></td> <td>BY</td> <td>DATE</td> </tr> <tr> <td>REVISIONS 100</td> <td></td> <td>BY</td> <td>DATE</td> </tr> </table>		PROJ. MANAGER	D. ANDERSON	BY	DATE	DESIGN-DETAILED	B. Schaefer	BY	DATE	CHECKED-REVIEWER		BY	DATE	DESIGN-DETAILED		BY	DATE	REVISIONS 1		BY	DATE	REVISIONS 2		BY	DATE	REVISIONS 3		BY	DATE	REVISIONS 4		BY	DATE	REVISIONS 5		BY	DATE	REVISIONS 6		BY	DATE	REVISIONS 7		BY	DATE	REVISIONS 8		BY	DATE	REVISIONS 9		BY	DATE	REVISIONS 10		BY	DATE	REVISIONS 11		BY	DATE	REVISIONS 12		BY	DATE	REVISIONS 13		BY	DATE	REVISIONS 14		BY	DATE	REVISIONS 15		BY	DATE	REVISIONS 16		BY	DATE	REVISIONS 17		BY	DATE	REVISIONS 18		BY	DATE	REVISIONS 19		BY	DATE	REVISIONS 20		BY	DATE	REVISIONS 21		BY	DATE	REVISIONS 22		BY	DATE	REVISIONS 23		BY	DATE	REVISIONS 24		BY	DATE	REVISIONS 25		BY	DATE	REVISIONS 26		BY	DATE	REVISIONS 27		BY	DATE	REVISIONS 28		BY	DATE	REVISIONS 29		BY	DATE	REVISIONS 30		BY	DATE	REVISIONS 31		BY	DATE	REVISIONS 32		BY	DATE	REVISIONS 33		BY	DATE	REVISIONS 34		BY	DATE	REVISIONS 35		BY	DATE	REVISIONS 36		BY	DATE	REVISIONS 37		BY	DATE	REVISIONS 38		BY	DATE	REVISIONS 39		BY	DATE	REVISIONS 40		BY	DATE	REVISIONS 41		BY	DATE	REVISIONS 42		BY	DATE	REVISIONS 43		BY	DATE	REVISIONS 44		BY	DATE	REVISIONS 45		BY	DATE	REVISIONS 46		BY	DATE	REVISIONS 47		BY	DATE	REVISIONS 48		BY	DATE	REVISIONS 49		BY	DATE	REVISIONS 50		BY	DATE	REVISIONS 51		BY	DATE	REVISIONS 52		BY	DATE	REVISIONS 53		BY	DATE	REVISIONS 54		BY	DATE	REVISIONS 55		BY	DATE	REVISIONS 56		BY	DATE	REVISIONS 57		BY	DATE	REVISIONS 58		BY	DATE	REVISIONS 59		BY	DATE	REVISIONS 60		BY	DATE	REVISIONS 61		BY	DATE	REVISIONS 62		BY	DATE	REVISIONS 63		BY	DATE	REVISIONS 64		BY	DATE	REVISIONS 65		BY	DATE	REVISIONS 66		BY	DATE	REVISIONS 67		BY	DATE	REVISIONS 68		BY	DATE	REVISIONS 69		BY	DATE	REVISIONS 70		BY	DATE	REVISIONS 71		BY	DATE	REVISIONS 72		BY	DATE	REVISIONS 73		BY	DATE	REVISIONS 74		BY	DATE	REVISIONS 75		BY	DATE	REVISIONS 76		BY	DATE	REVISIONS 77		BY	DATE	REVISIONS 78		BY	DATE	REVISIONS 79		BY	DATE	REVISIONS 80		BY	DATE	REVISIONS 81		BY	DATE	REVISIONS 82		BY	DATE	REVISIONS 83		BY	DATE	REVISIONS 84		BY	DATE	REVISIONS 85		BY	DATE	REVISIONS 86		BY	DATE	REVISIONS 87		BY	DATE	REVISIONS 88		BY	DATE	REVISIONS 89		BY	DATE	REVISIONS 90		BY	DATE	REVISIONS 91		BY	DATE	REVISIONS 92		BY	DATE	REVISIONS 93		BY	DATE	REVISIONS 94		BY	DATE	REVISIONS 95		BY	DATE	REVISIONS 96		BY	DATE	REVISIONS 97		BY	DATE	REVISIONS 98		BY	DATE	REVISIONS 99		BY	DATE	REVISIONS 100		BY	DATE
PROJ. MANAGER	D. ANDERSON	BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
DESIGN-DETAILED	B. Schaefer	BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
CHECKED-REVIEWER		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
DESIGN-DETAILED		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 1		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 2		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 3		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 4		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 5		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 6		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 7		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 8		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 9		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 10		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 11		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 12		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 13		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 14		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 15		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 16		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 17		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 18		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 19		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 20		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 21		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 22		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 23		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 24		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 25		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 26		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 27		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 28		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 29		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 30		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 31		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 32		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 33		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 34		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 35		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 36		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 37		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 38		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 39		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 40		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 41		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 42		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 43		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 44		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 45		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 46		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 47		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 48		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 49		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 50		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 51		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 52		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 53		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 54		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 55		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 56		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 57		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 58		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 59		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 60		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 61		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 62		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 63		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 64		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 65		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 66		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 67		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 68		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 69		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 70		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 71		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 72		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 73		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 74		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 75		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 76		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 77		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 78		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 79		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 80		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 81		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 82		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 83		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 84		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 85		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 86		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 87		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 88		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 89		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 90		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 91		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 92		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 93		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 94		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 95		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 96		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 97		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 98		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 99		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																
REVISIONS 100		BY	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																

143-492



SYMBOLS

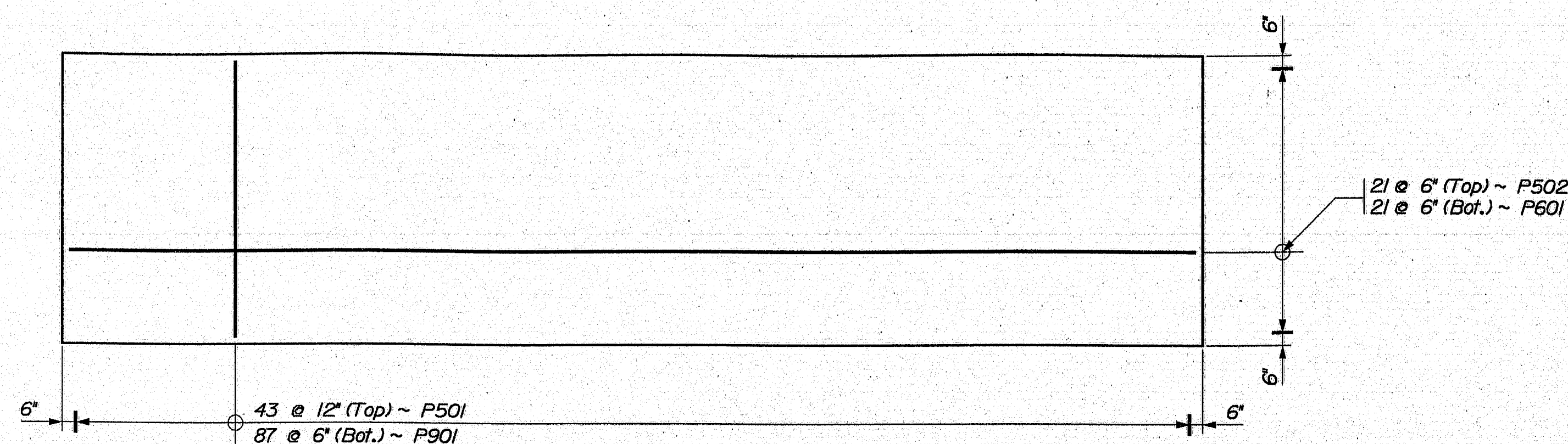
- * Approximate existing bedrock surface daylighting at cut
- ** Estimated bedrock surface (variable) after preparation



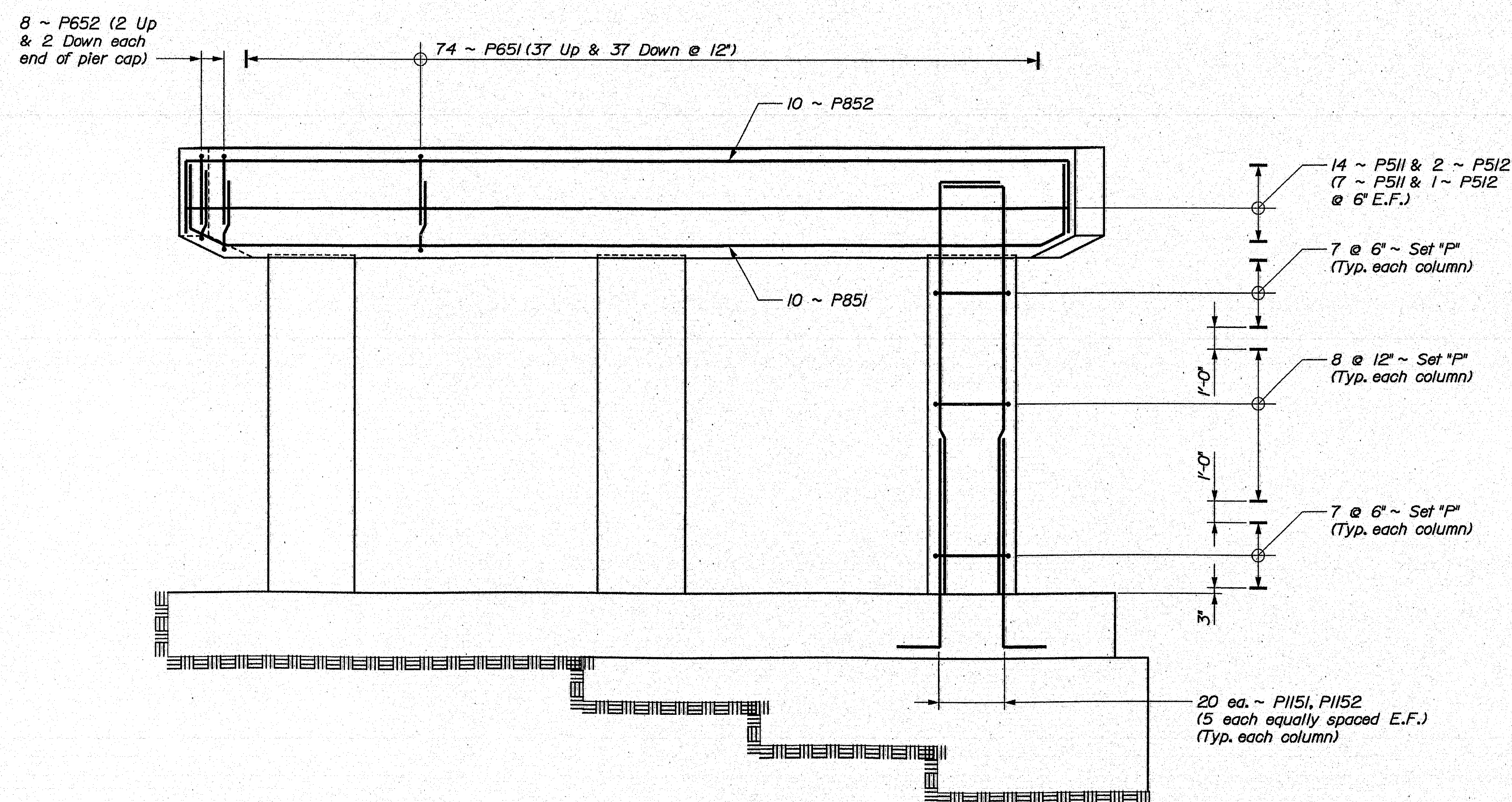
143-493

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
ESSEX STREET BRIDGE		PENOBSCOT COUNTY	
INTERSTATE 95		BANGOR	
AC-IM-1264(200)E		PIER	
SHEET NUMBER		20	
OF 30		BRIDGE NO. 582	
BRIDGE PLANS		PIN 12642.00	

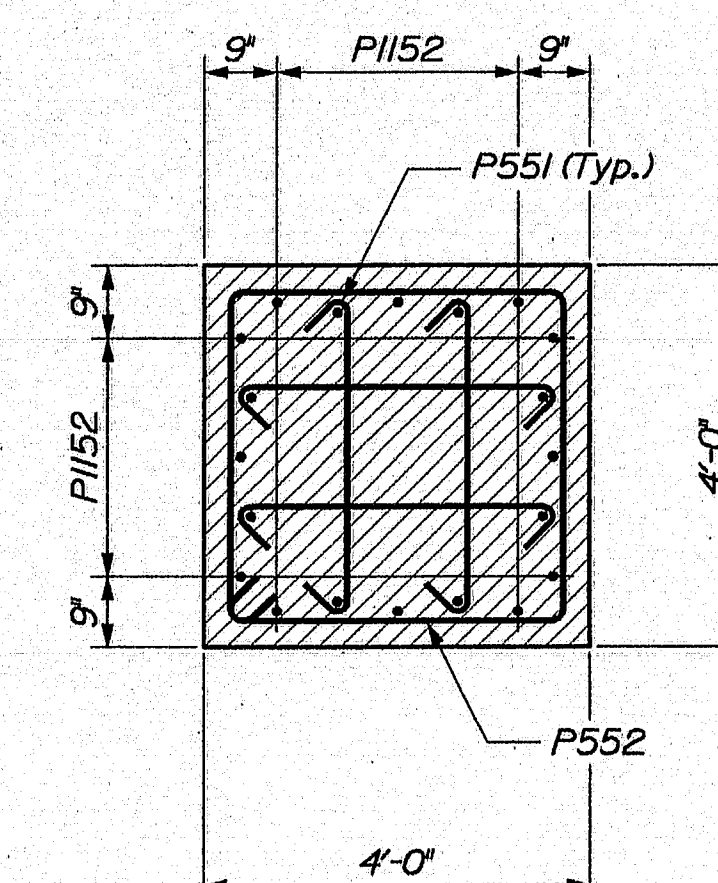
Filename: ...MSTA\021_Pier_Reinforcing.dgn Division: BRIDGE Username: dana.darren Date: 8/9/2007



PIER FOOTING REINFORCING



PIER REINFORCING



COLUMN SECTION
Showing Set "P" Reinforcing

LEGEND
N.F. = Near Face
F.F. = Far Face
E.F. = Each Face

143-494

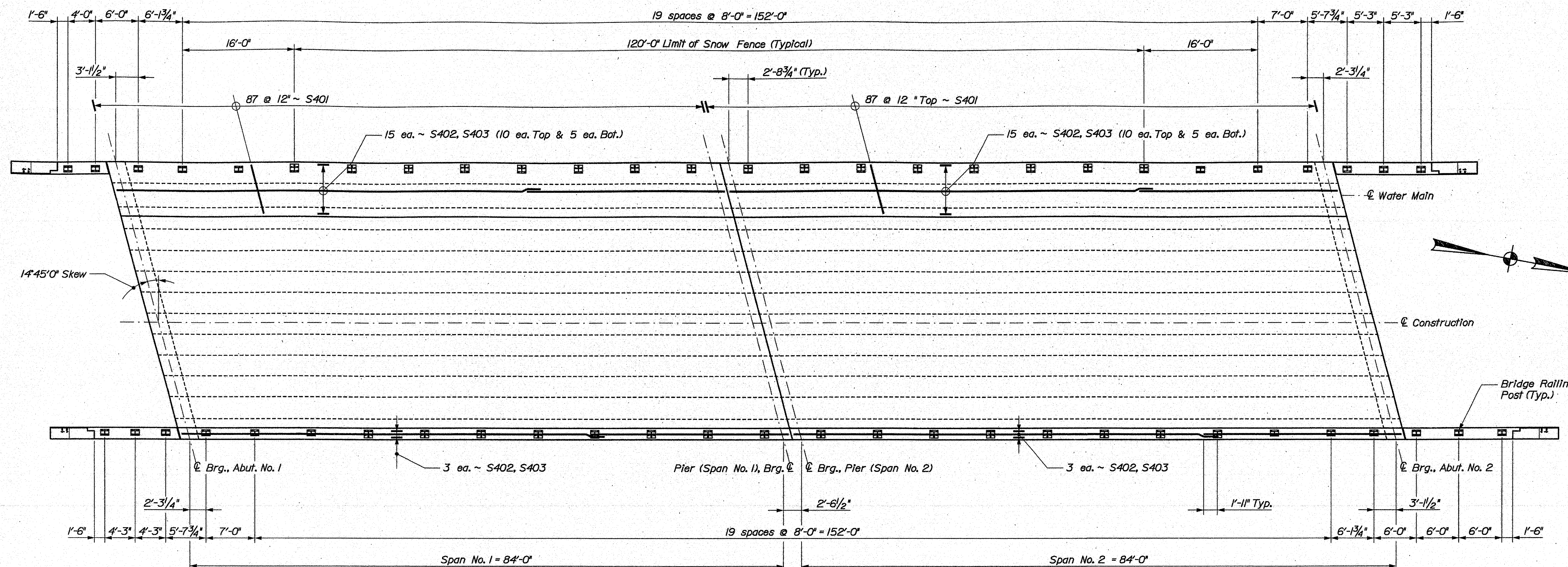
STATE OF MAINE		BRIDGE NO. 5822		PIN 12542.00		BRIDGE PLANS	
DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E		P.E. NUMBER		DATE	
ESSEX STREET BRIDGE		INTERSTATE 95		DESIGN-REVIEWED		SIGNATURE	
PENOBSCOT COUNTY		BANGOR		DESIGN-REVIEWED		P.E. NUMBER	
PIER REINFORCING		SHEET NUMBER		DESIGN-REVIEWED		DATE	
		21		DESIGN-REVIEWED			
		OF 30		REVISIONS 2			
				REVISIONS 3			
				REVISIONS 4			
				FIELD CHANGES			

Filename: ...\\MSTA\\022_Superstructure.dgn

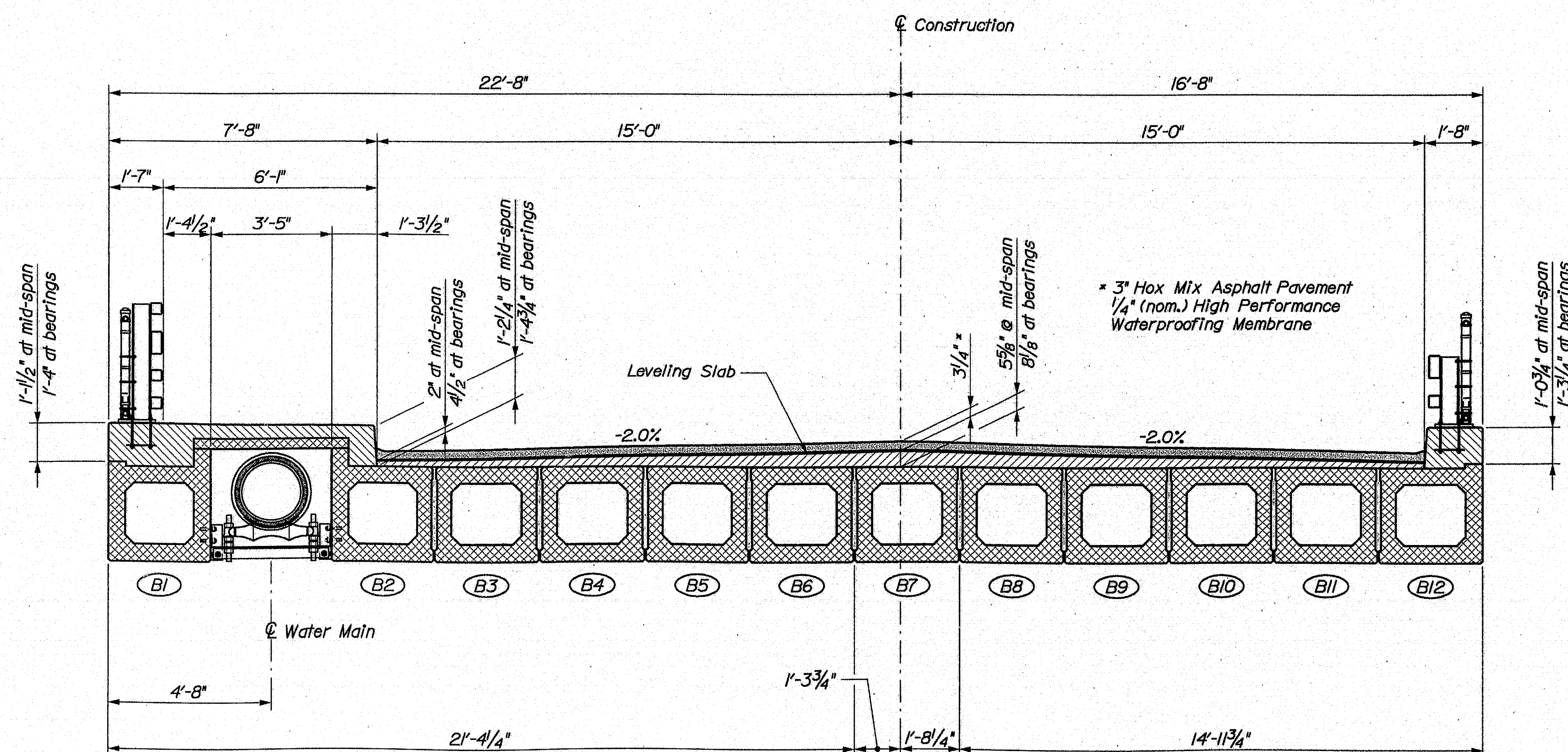
Username: dana.danren

Division: BRIDGE

Date: 8/9/2007



SUPERSTRUCTURE PLAN



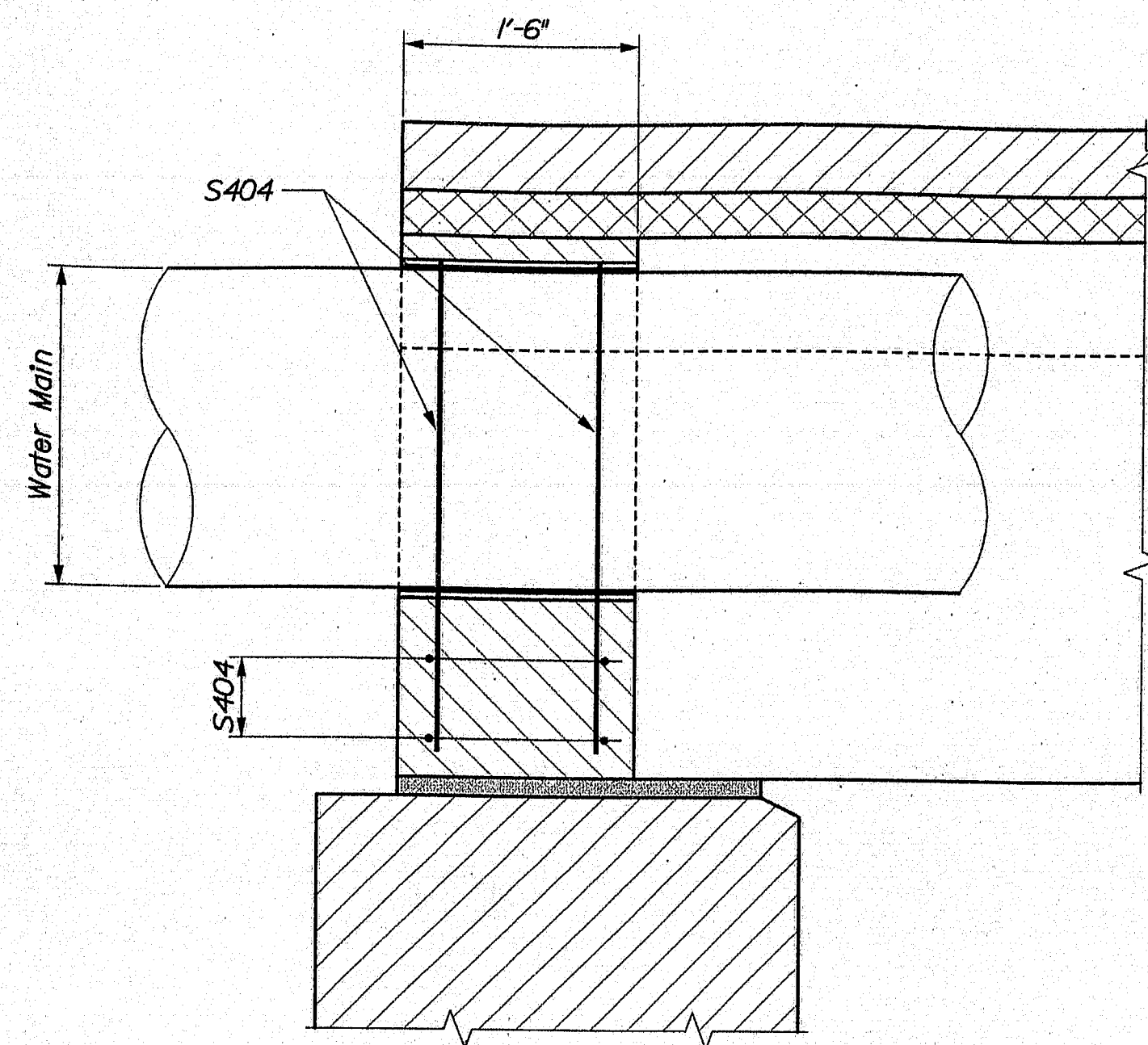
TRANSVERSE SECTION

SUPERSTRUCTURE NOTES

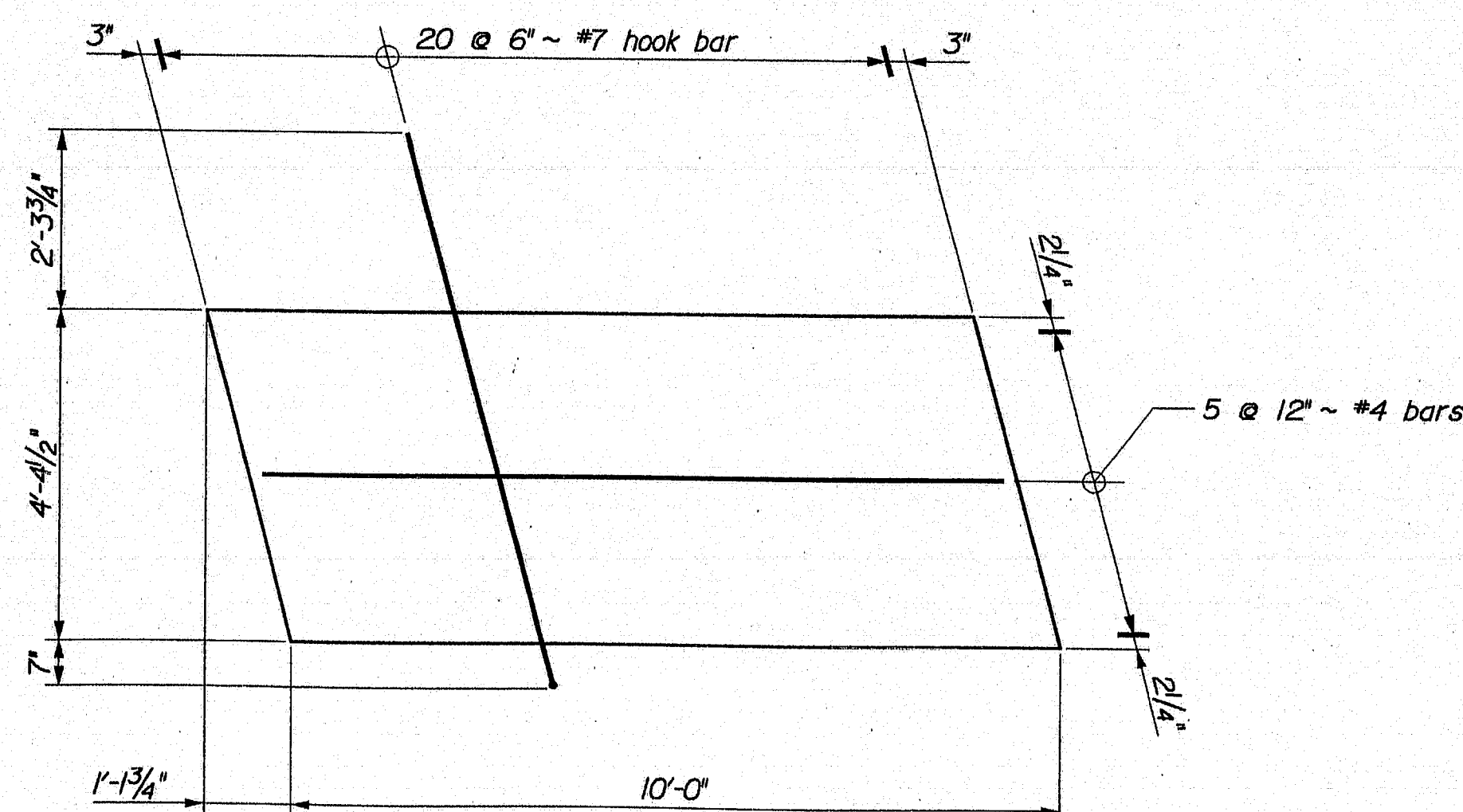
- Leveling slab, sidewalk and curb thicknesses are shown as variable to compensate for the calculated $2\frac{1}{2}$ " camber remaining in the box beams after all dead loading of the structure.
- Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.
- Form a one inch V-groove on the fascias at the horizontal joint between the sidewalk/curb and box beams.
- All parts for the utility supports shall be galvanized after fabrication in accordance with ASTM A123, except that hardware shall meet the requirements of ASTM A153. Parts shall be blast-cleaned prior to galvanizing in accordance with SSPC - SP6.
- Payment for precast sidewalk panels will be included in Item No. 502.49, Structural Concrete Curbs and Sidewalks. Payment for reinforcing steel in the precast panels will be considered incidental to this item.
- Payment for end diaphragms in the utility bay will be included in Item No. 502.49, Structural Concrete Curbs and Sidewalks.
- Payment for intermediate steel diaphragms will be made under Item No.'s 504.70 and 504.71, Structural Steel.

143-495

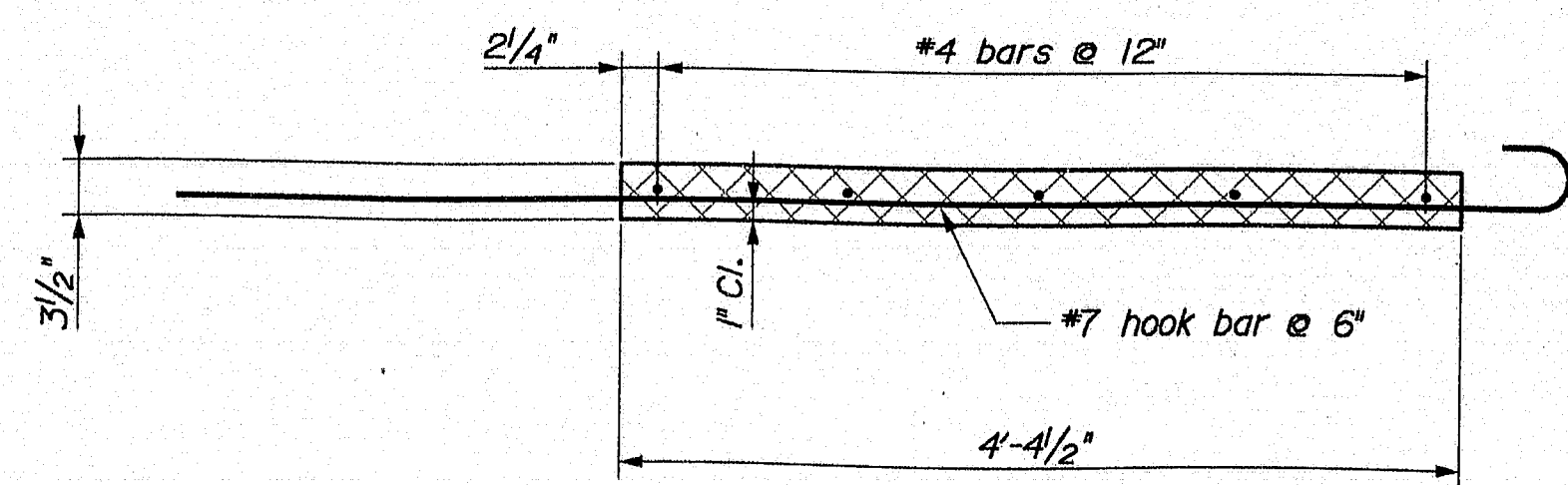
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E		BRIDGE NO. 5822	
PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE		INTERSTATE 95	
BANGOR		PENOBSCOT COUNTY	
SUPERSTRUCTURE		SHEET NUMBER	
22		OF 30	



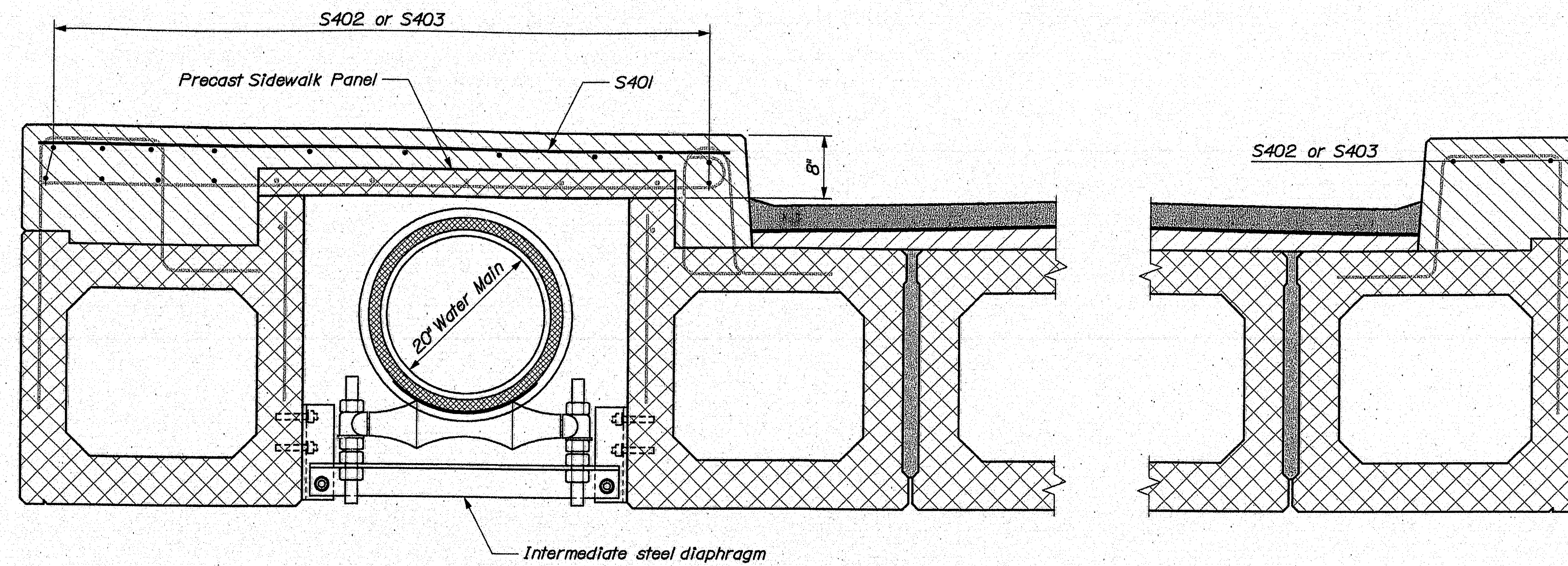
SECTION THROUGH END DIAPHRAGM



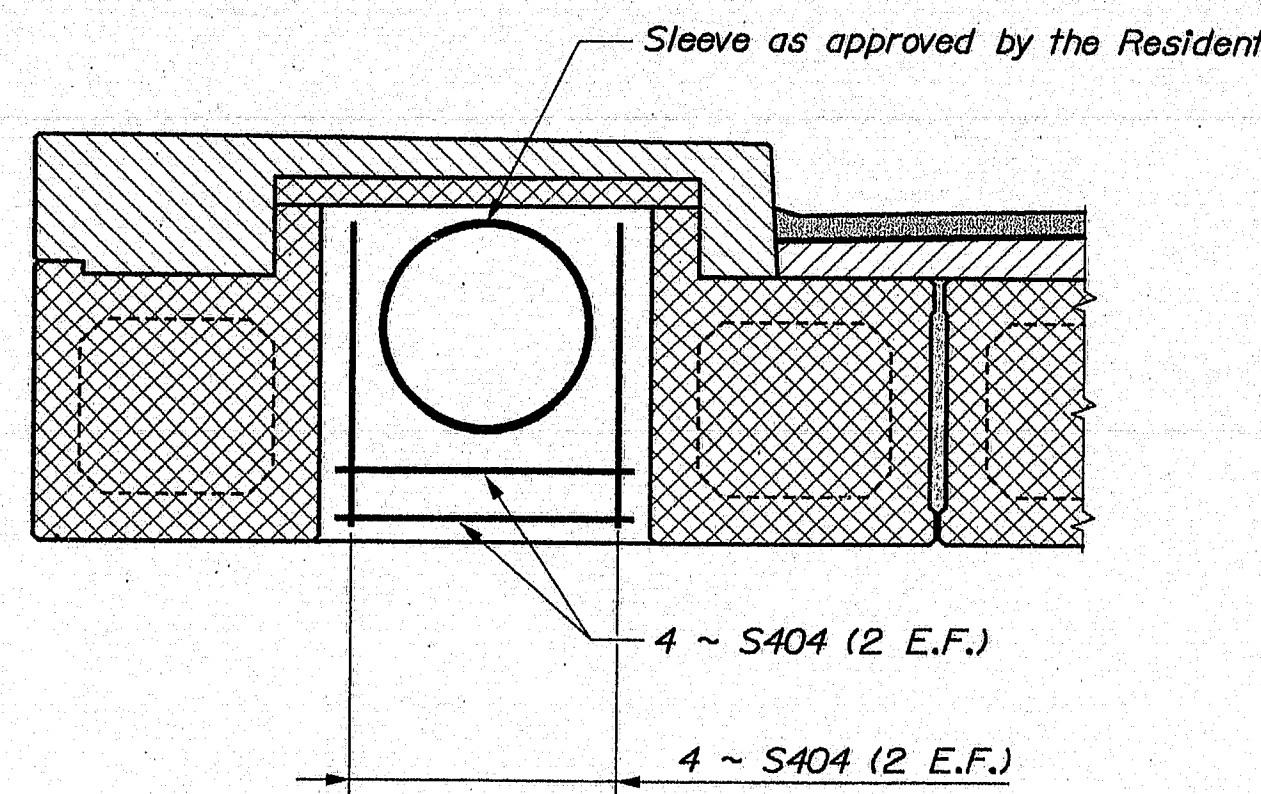
TYPICAL PRECAST SIDEWALK PANEL



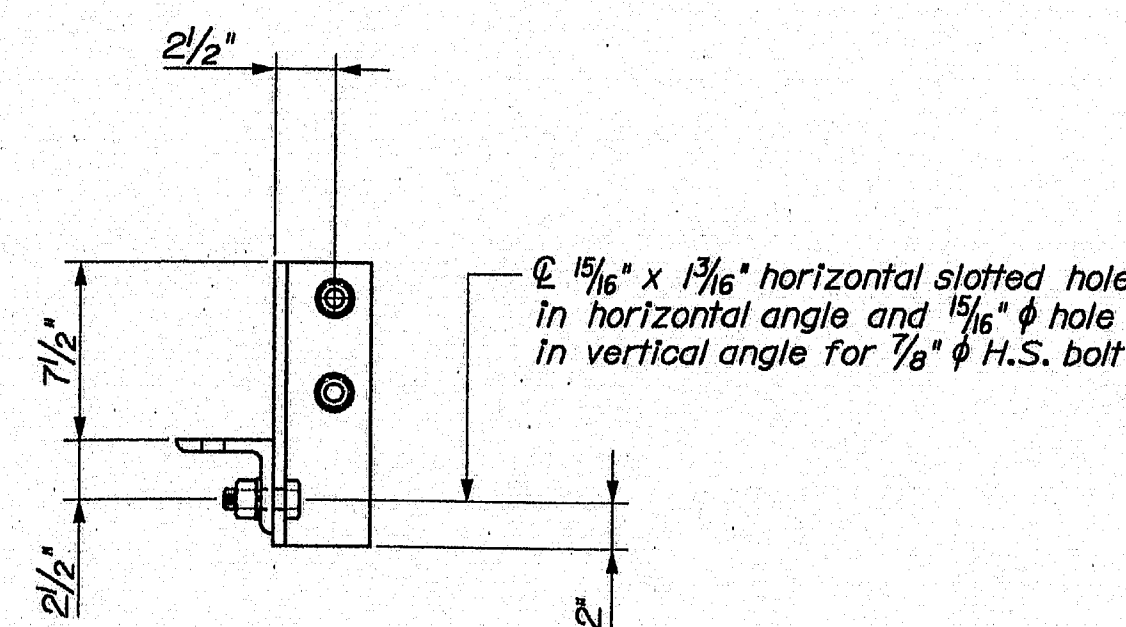
PRECAST SIDEWALK PANEL SECTION



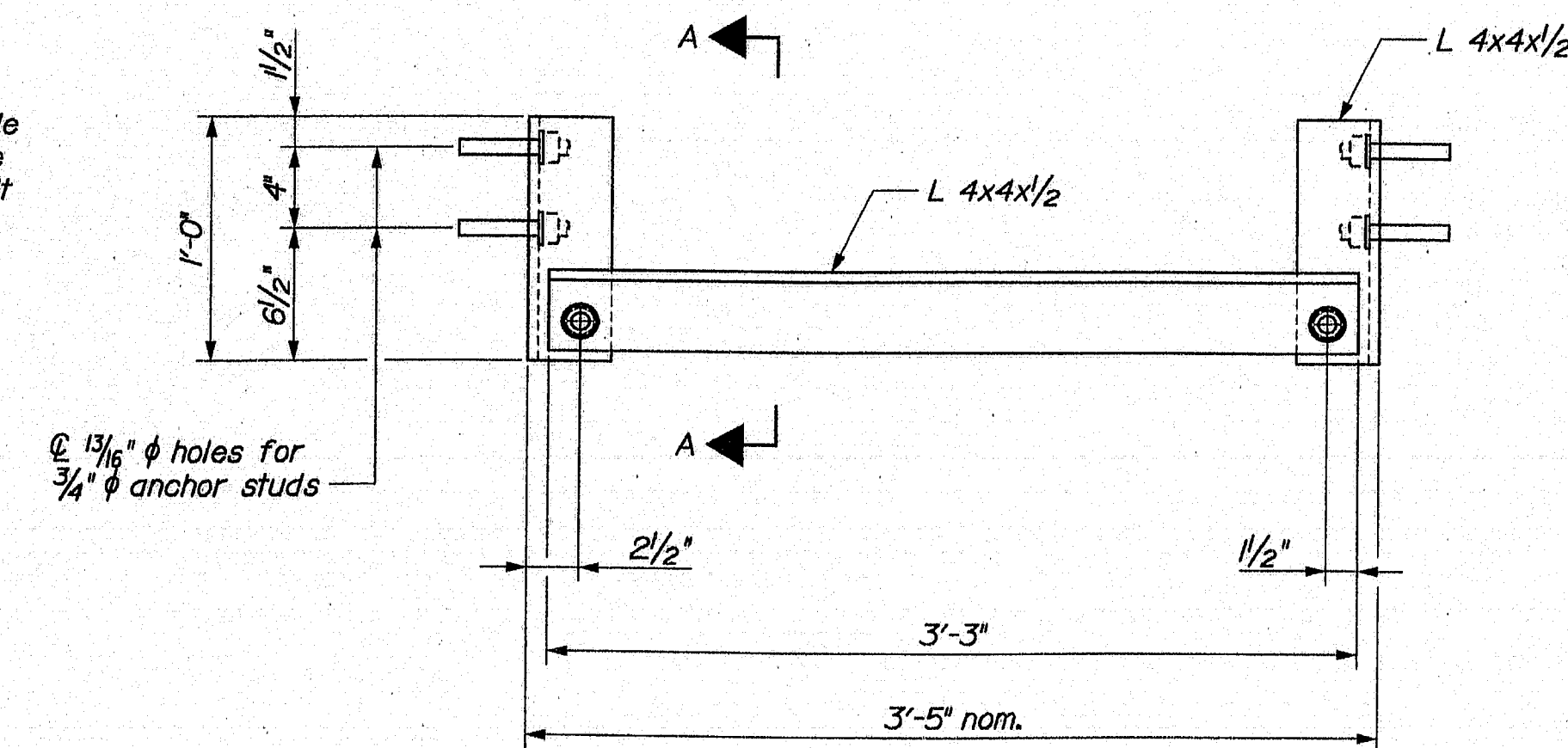
SIDEWALK & CURB DETAIL



END DIAPHRAGM ELEVATION



VIEW A-A



INTERMEDIATE STEEL DIAPHRAGM

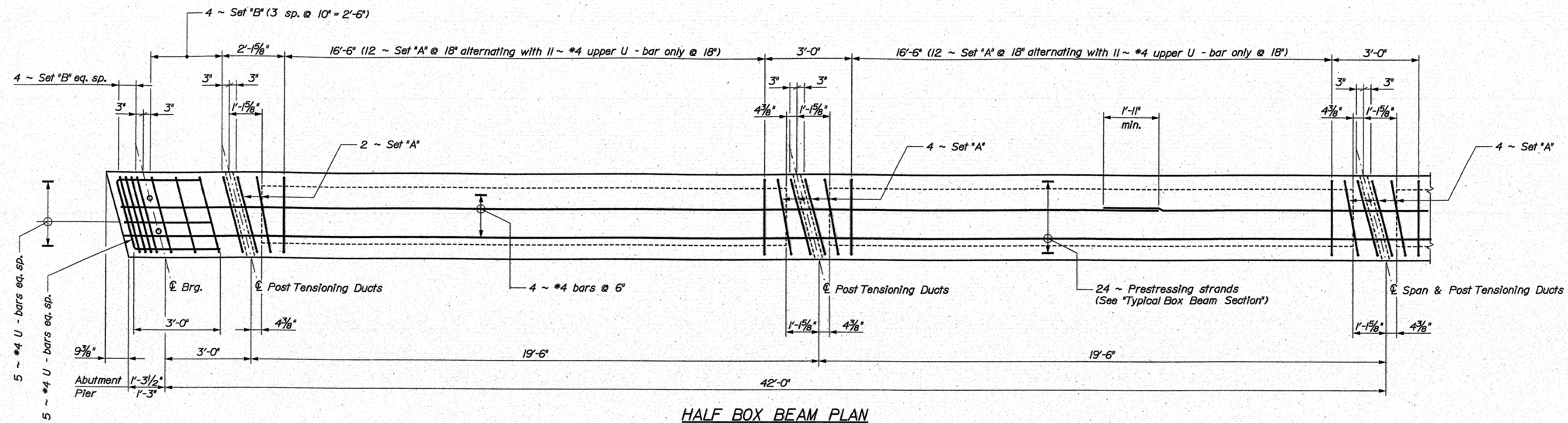
143-496

STATE OF MAINE		BRIDGE NO. 5822		PIN 12642.00		BRIDGE PLANS	
DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E		P.E. NUMBER		DATE	
ESSEX STREET BRIDGE		INTERSTATE 95		BANGOR		SHEET NUMBER	
PENOBSCOT COUNTY		SUPERSTRUCTURE		23		OF 30	

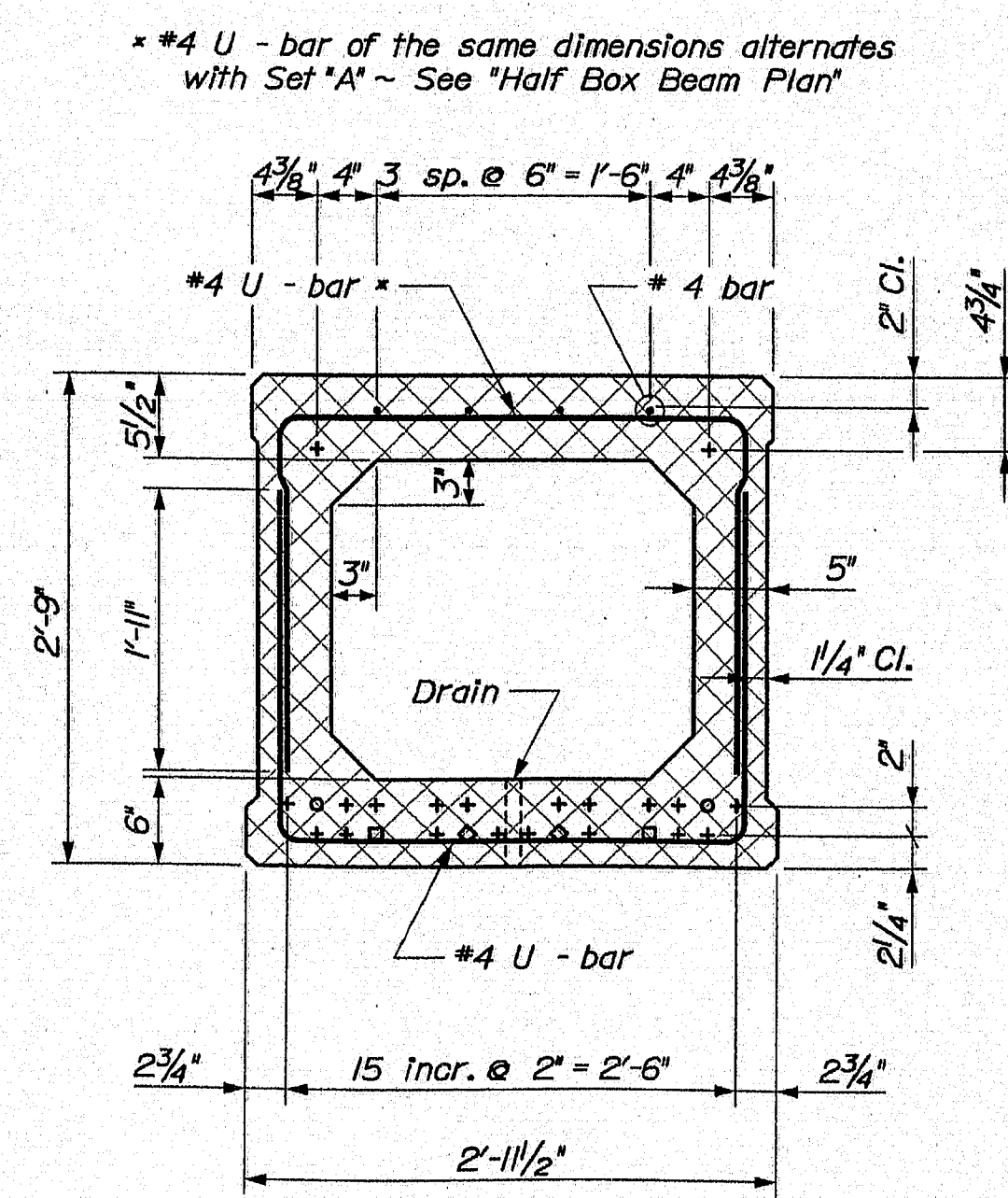
Date: 8/9/2007

Username: dana.damren

File: ...MSTA 024_Precast_Box Beams.dgn Division: BRIDGE

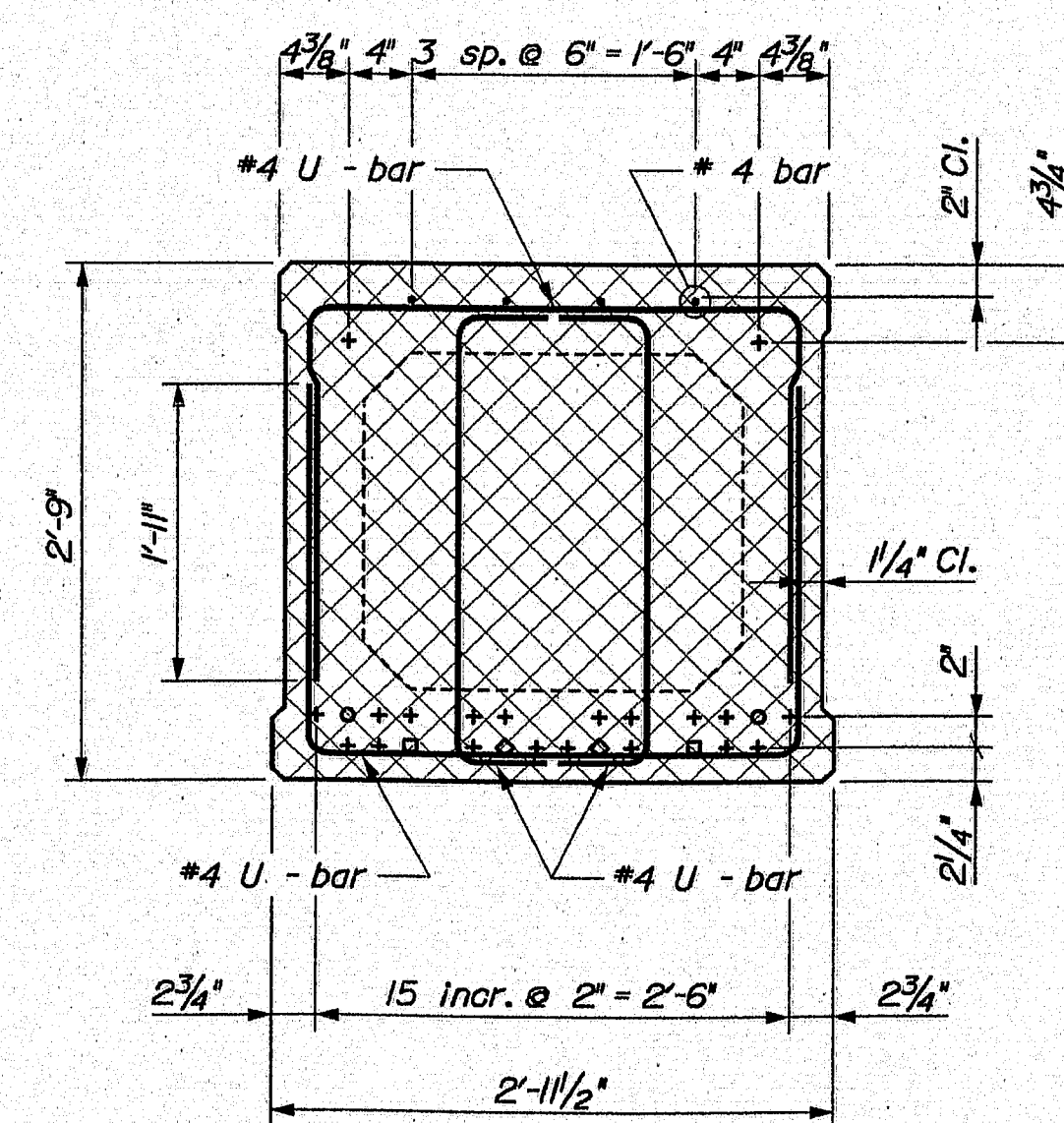


HALF BOX BEAM PLAN



TYPICAL BOX BEAM SECTION
Showing Set A reinforcing

+ Strand fully bonded
o Strand debonded 5 feet
□ Strand debonded 10 feet
◇ Strand debonded 15 feet



TYPICAL BOX BEAM SECTION
Showing Set B reinforcing

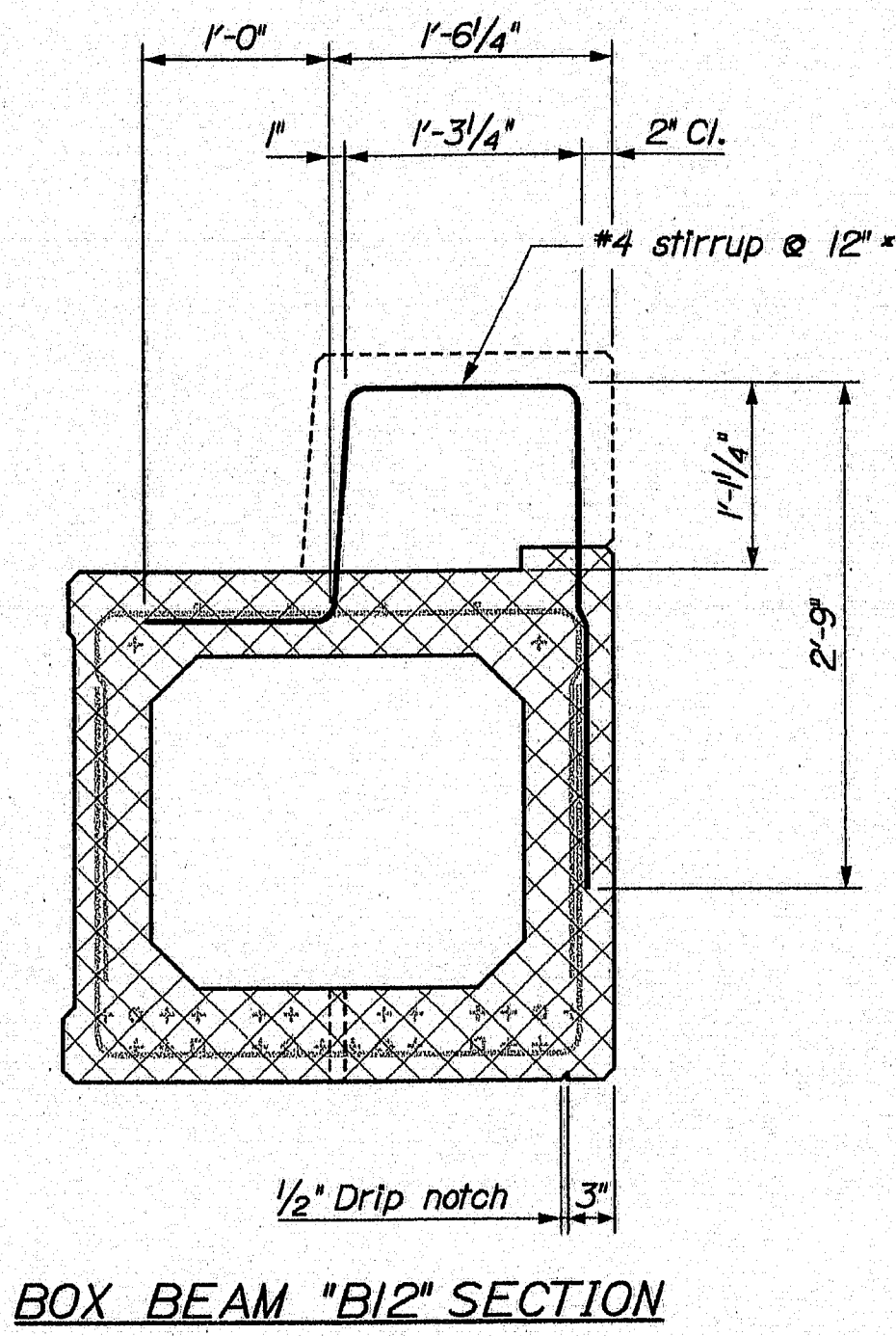
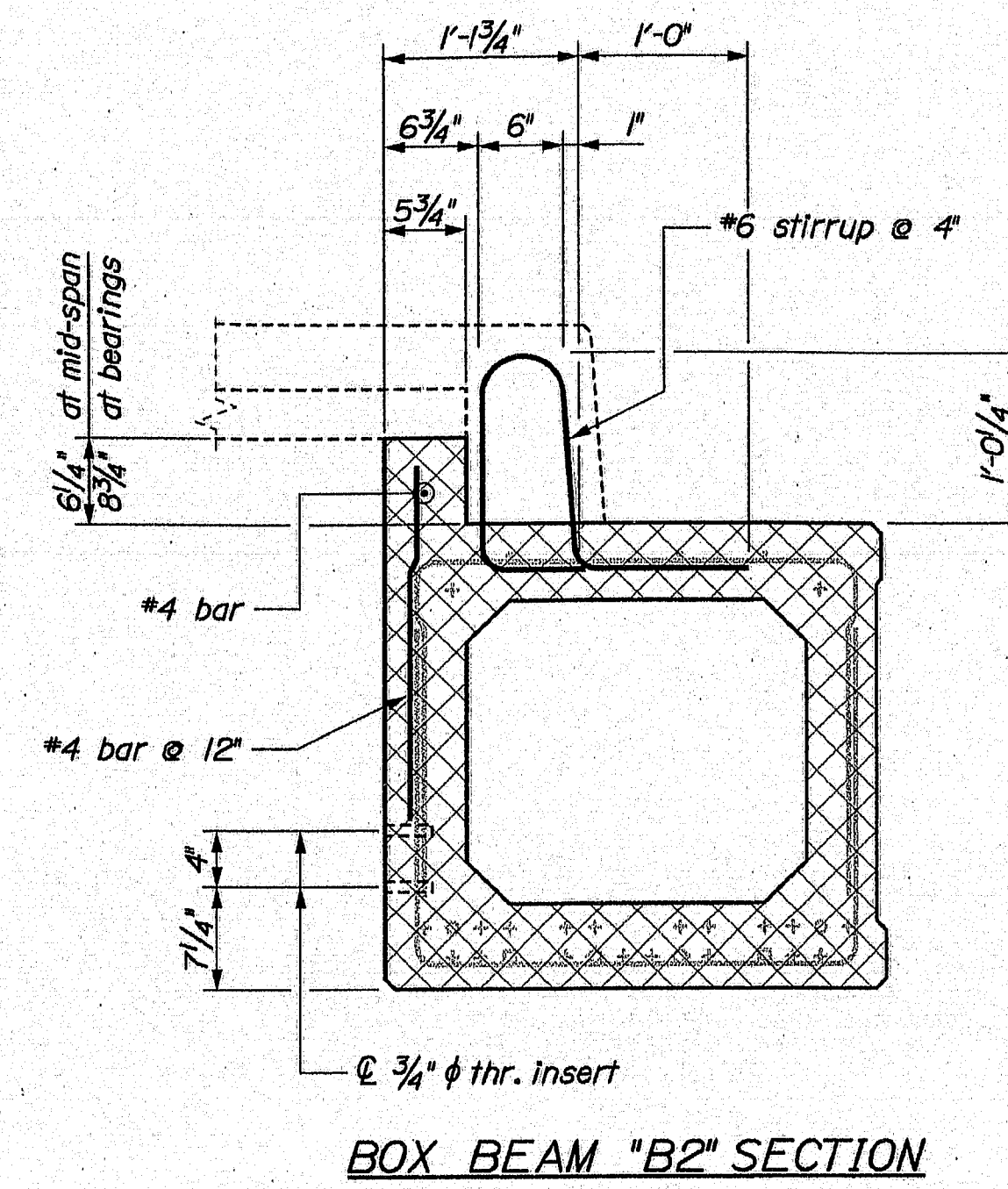
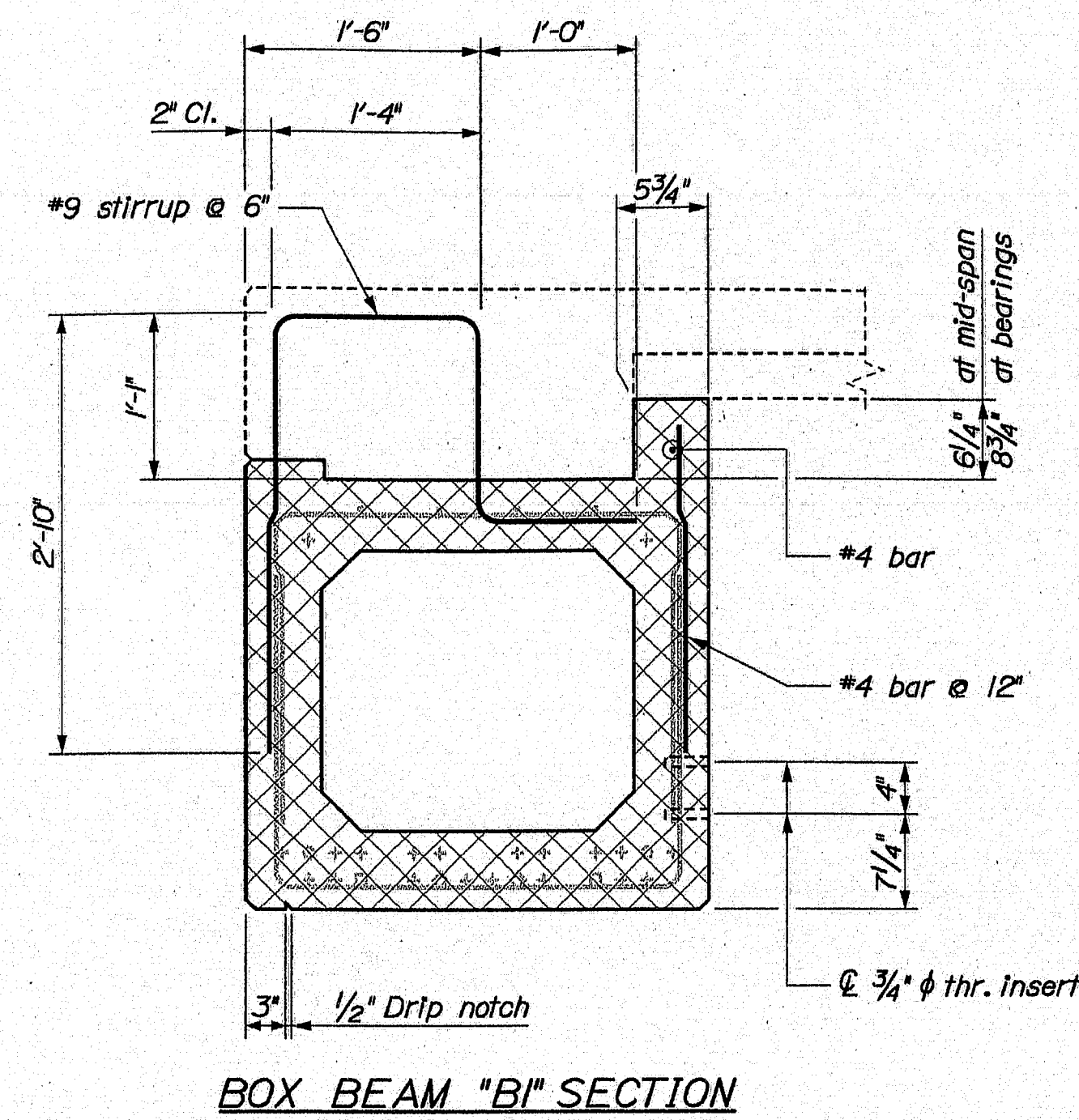
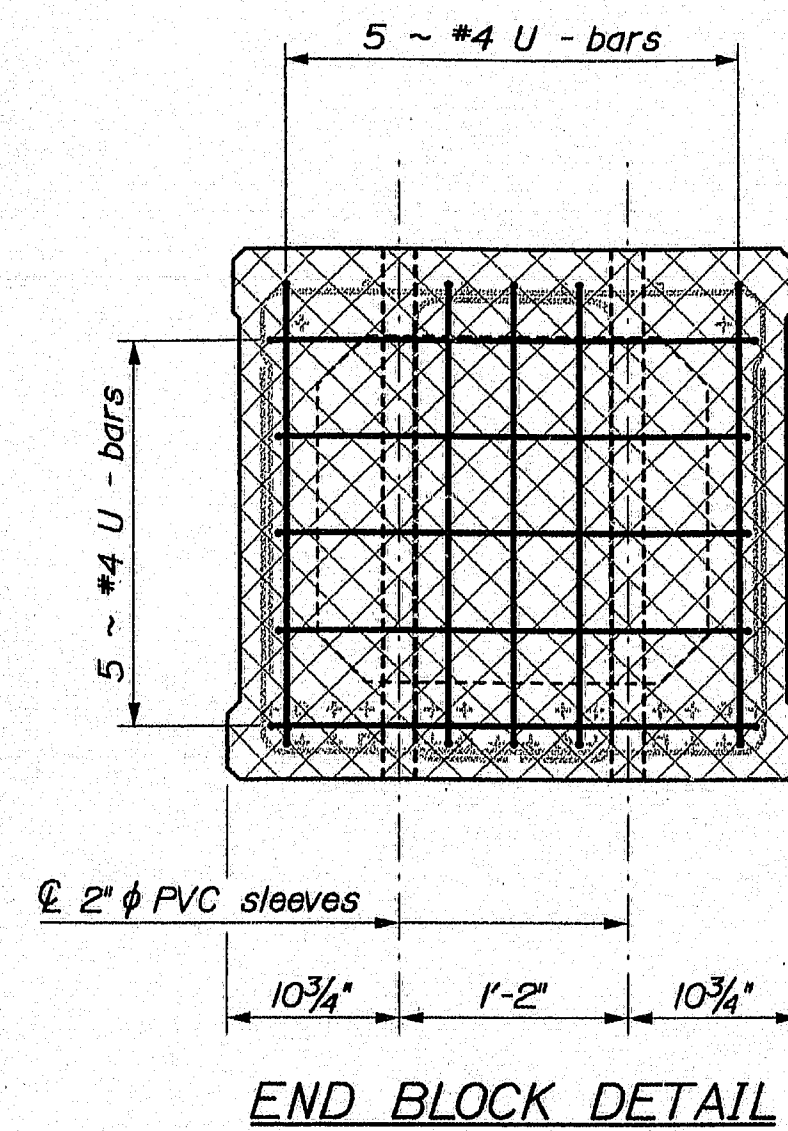
+ Strand fully bonded
o Strand debonded 5 feet
□ Strand debonded 10 feet
◇ Strand debonded 15 feet

PRECAST CONCRETE SUPERSTRUCTURE NOTES

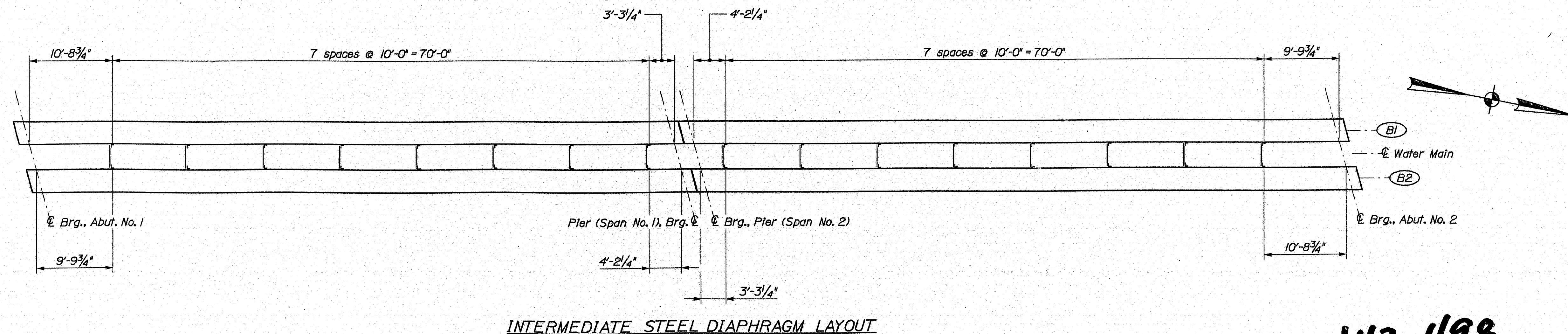
1. Prestressing strands shall be 0.6-in. diameter. The tensioning force is 44 kips per prestressing strand.
2. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.
3. Install a 1-in. diameter nonmetallic void drain in the bottom of each void at both ends.
4. The top surface of the upper flange of the prestressed beams shall be raked to a surface roughness of $\pm 1/4$ inch, except at locations corresponding to the blocking points. At these locations a flattened area of sufficient size shall be finished to facilitate taking elevations for setting bottom of slab elevations.
5. The drilling of holes in the prestressed beams and the use of power actuated tools on the beams will not be permitted.
6. Neoprene pads shall be 1/2-in. thick.
7. Neoprene pads shall be either polychloroprene or natural polyisoprene of 50 \pm 5 Shore A durometer hardness, and shall conform to the requirements of Division 2, Section 18.2 of AASHTO Standard Specifications for Highway Bridges. Neoprene pads will not be paid for directly but will be considered incidental to related contract items.
8. Install 1/2-in. preformed expansion joint filler over the pier between the box beams in each span.
9. Post tensioning shall be covered by a seamless polypropylene sheath, with corrosion inhibiting grease between the strands and sheath, for the full length of the strand except at the anchorage location.
10. The Contractor shall calibrate the jacking equipment as necessary to provide an anchorage of 38 to 41 kips after setting losses in each 0.6-in. diameter post tensioning strand.
11. Soreed rails shall be installed to the elevation shown on the profile, adjusted for wearing course thickness and cross slope.

143-497

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		AC-111-1264(200)E	
BRIDGE NO. 5822		PIN		12642.00	
BRIDGE PLANS		DATE		12642.00	
ESSEX STREET BRIDGE		INTERSTATE 95		PENOBSCOT COUNTY	
BANGOR		PRECAST BOX BEAMS		SHEET NUMBER	
24		OF 30		143-497	

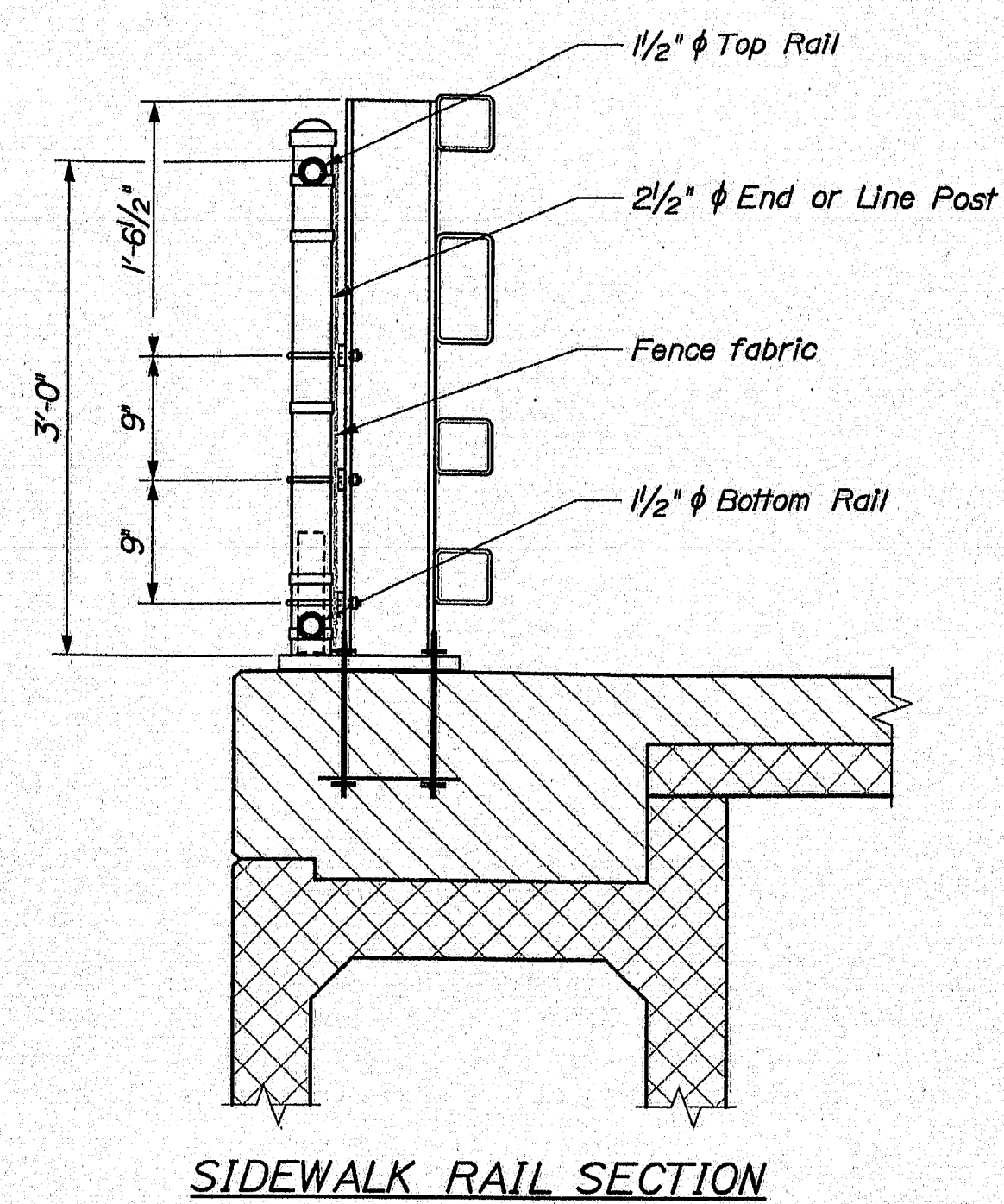


* Provide 3 additional stirrups at each rail post location and at each Transition Barrier. See "Superstructure" sheet and Standard Details 507(11) and 526(30).

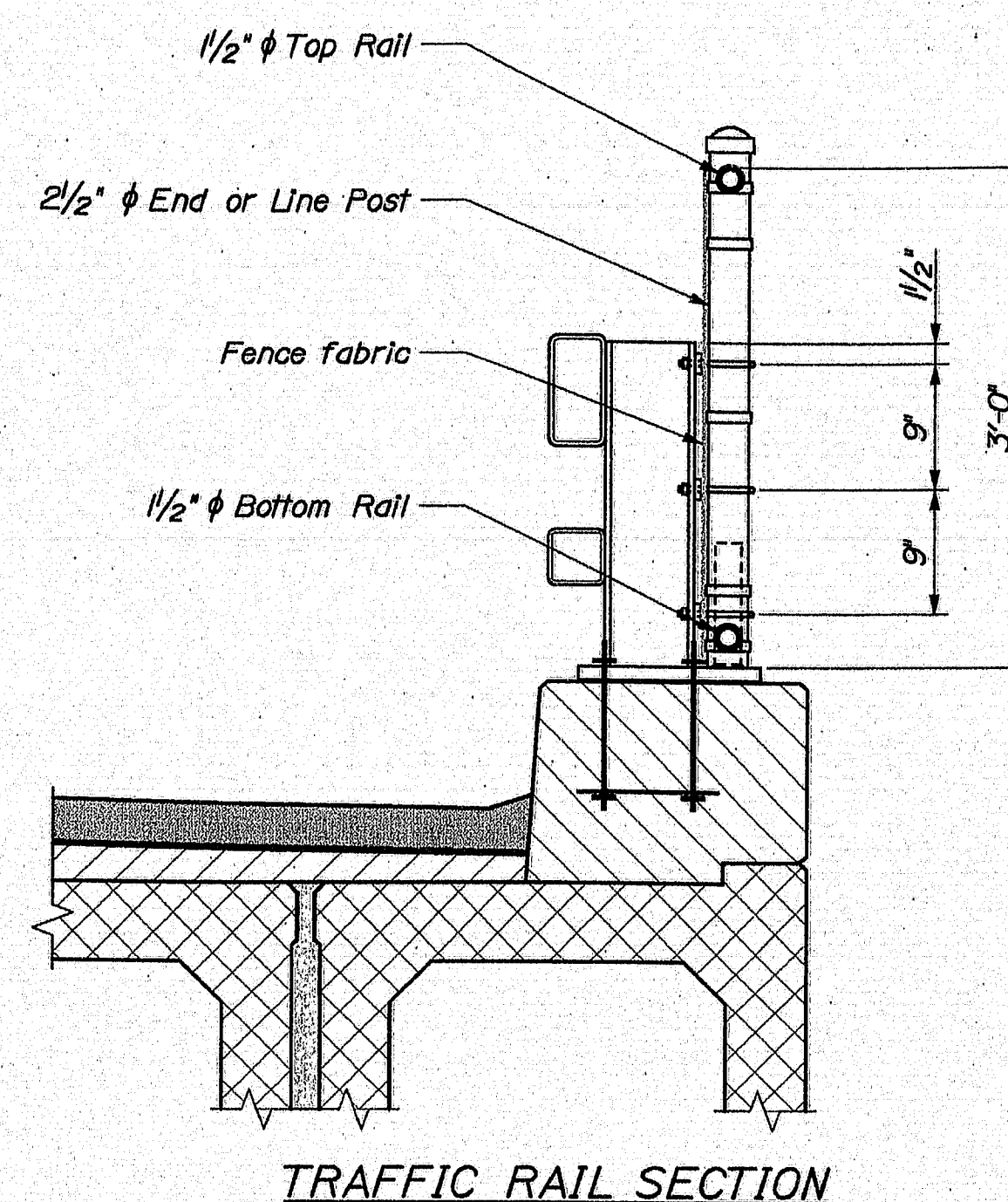


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		AC-IM-1264(200)E		BRIDGE NO. 5922		PIN 12642.00		BRIDGE PLANS	
ESSEX STREET BRIDGE INTERSTATE 95 BANGOR		PENOBSCOT COUNTY		PRECAST BOX BEAMS		SHEET NUMBER		25	
PROJ. MANAGER	D. ANDERSON	BY	D. ANDERSON	DATE		SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED	B. Schaefer	BY	B. Schaefer	DATE		SIGNATURE		P.E. NUMBER	
CHECKED-REVIEWED	B. Schaefer	BY	B. Schaefer	DATE		SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED	B. Schaefer	BY	B. Schaefer	DATE		SIGNATURE		P.E. NUMBER	
REVISIONS 1		BY		DATE		SIGNATURE		P.E. NUMBER	
REVISIONS 2		BY		DATE		SIGNATURE		P.E. NUMBER	
REVISIONS 3		BY		DATE		SIGNATURE		P.E. NUMBER	
REVISIONS 4		BY		DATE		SIGNATURE		P.E. NUMBER	
FIELD CHANGES		BY		DATE		SIGNATURE		P.E. NUMBER	

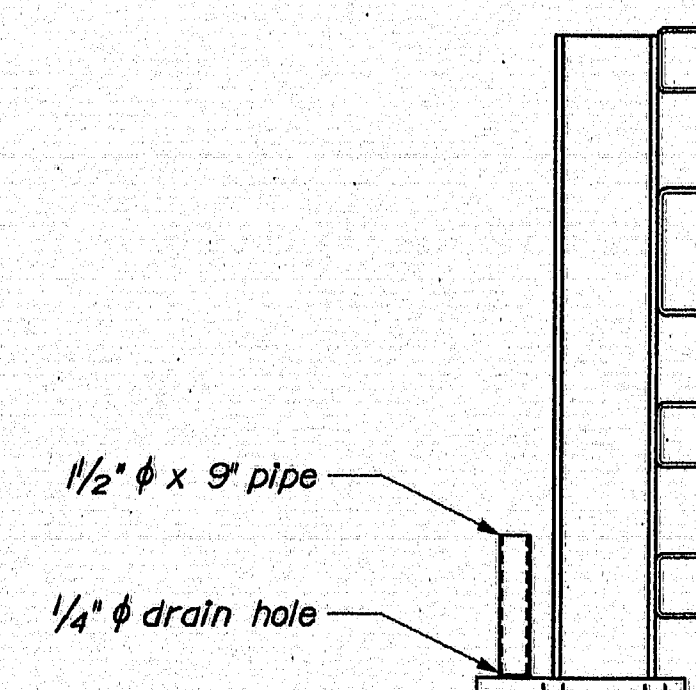
143-498



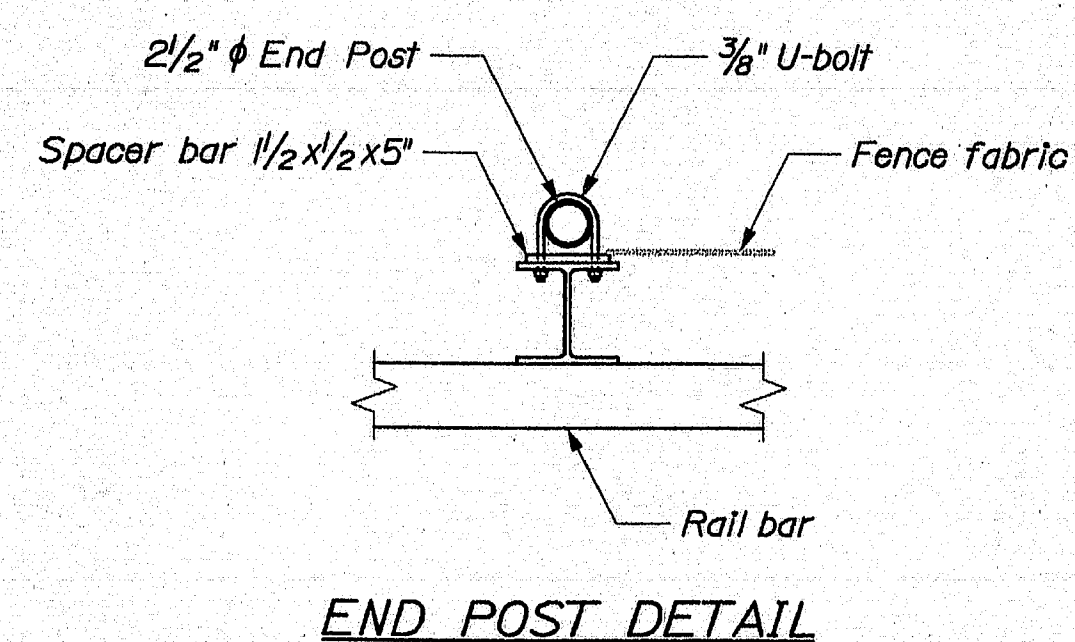
SIDEWALK RAIL SECTION



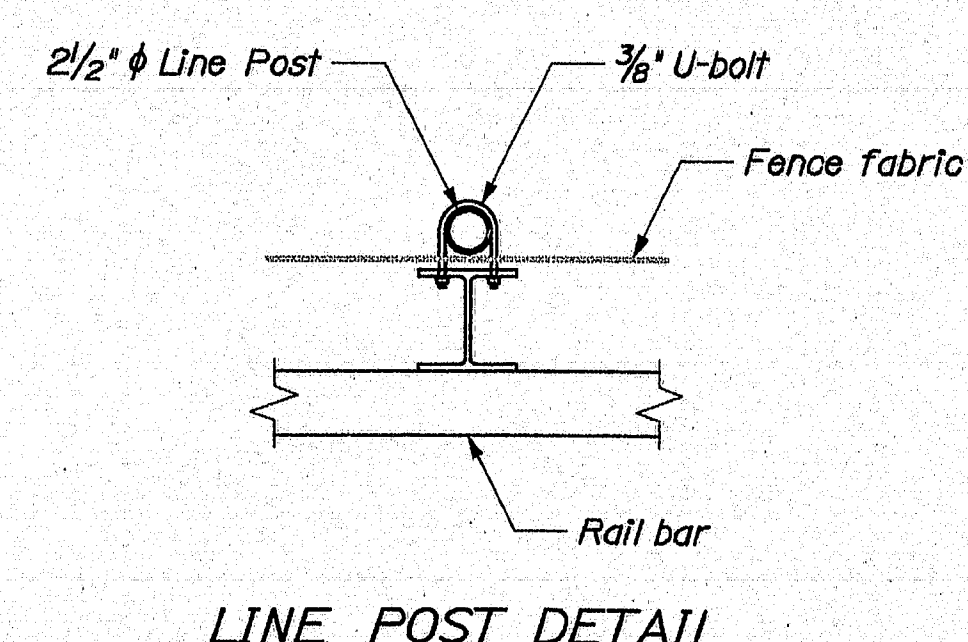
TRAFFIC RAIL SECTION



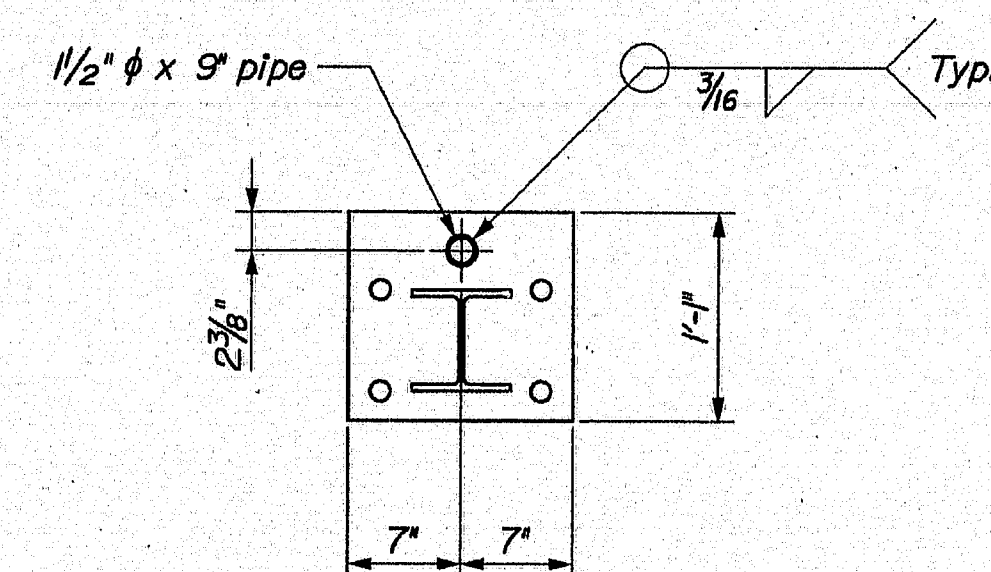
MODIFIED RAIL POST SECTION



END POST DETAIL



LINE POST DETAIL



MODIFIED BASE PLATE PLAN

SNOW FENCE NOTES

1. For the limits of snow fence installation, refer to "Superstructure" sheet.
2. Payment for modified post base plates will be considered incidental to related contract items.

<div>SHEET NUMBER</div> <div>26</div> <div>OF 30</div>	ESSEX STREET BRIDGE		PENOBSCOT COUNTY		PROJ. MANAGER	DANFORTH	BY	DATE
	INTERSTATE 95				DESIGN - DETAILED		B. Schuchert	
	BANGOR				CHECKED - REVIEWED			
					DESIGN - RETAILED			SIGNATURE
					REVISIONS - REDESIGNED			
					REVISIONS 1			P.E. NUMBER
					REVISIONS 2			
					REVISIONS 3			
					REVISIONS 4			DATE
SNOW FENCE DETAILS					BRIDGE NO. 5872 PIN 12643 00 SPRINGS PLANS			
STATE OF MAINE					AC-IM-1264(200)E			
DEPARTMENT OF TRANSPORTATION								

143-499

TYPE - BENDING DIAGRAMS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

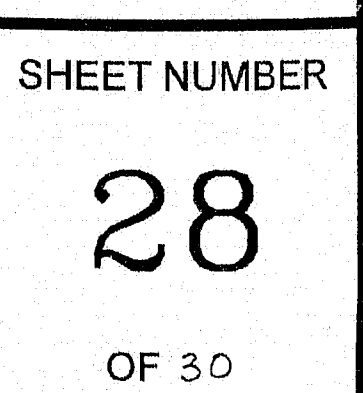
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

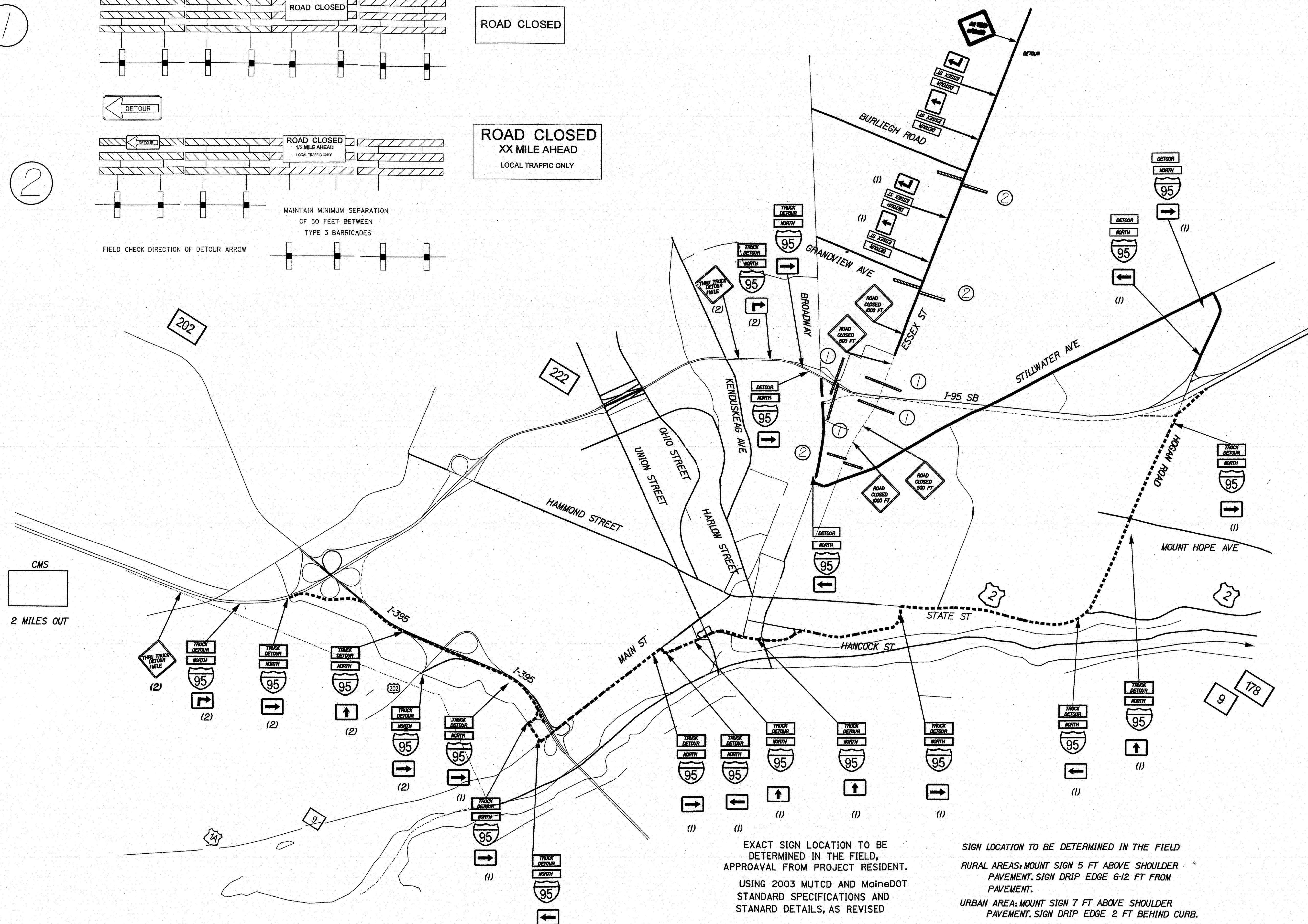
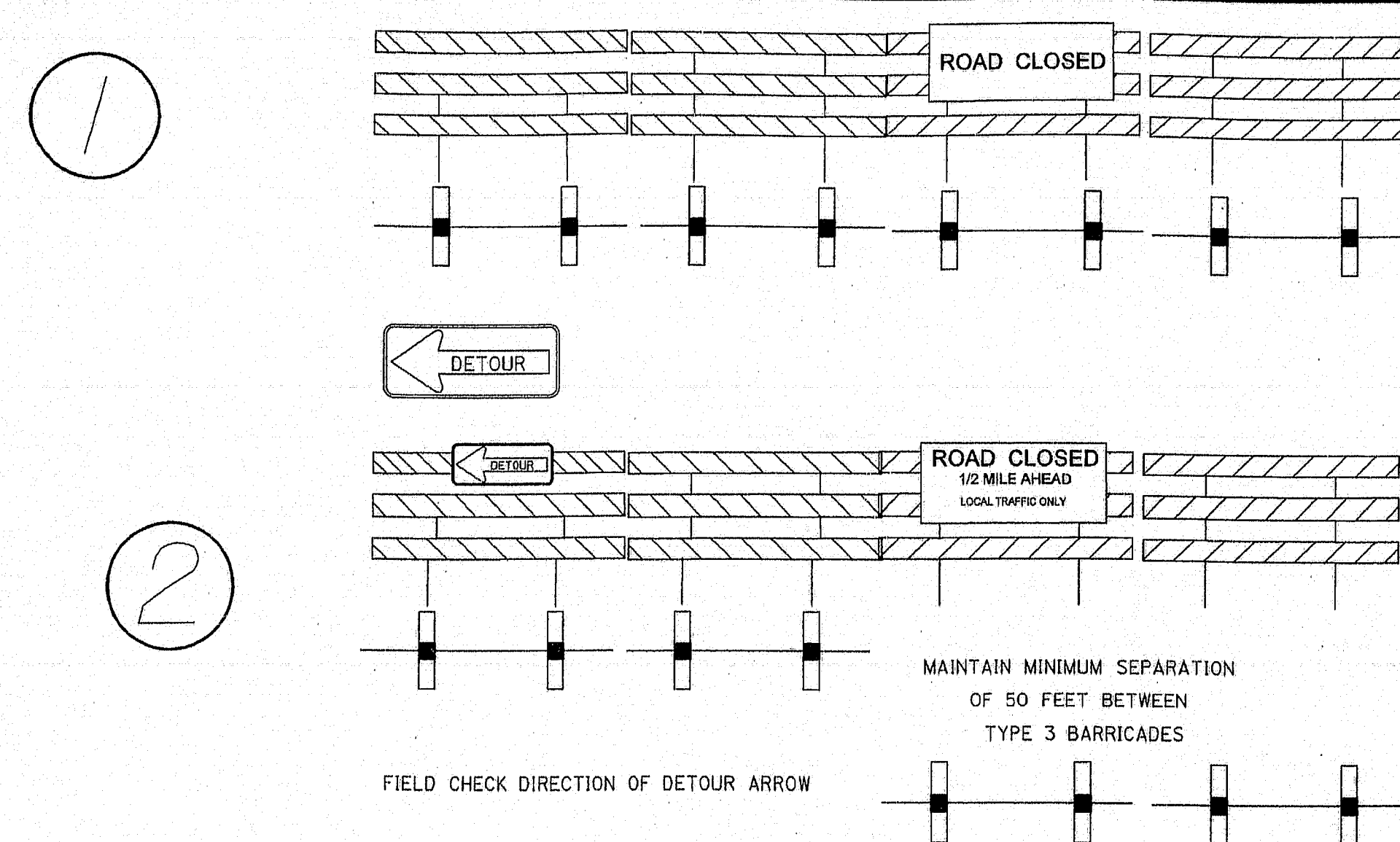
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-IM-1264(200)E
BRIDGE NO. 5632
PIN 12642.00

Filename: ... \00\ROW\MSTA\001_RWPLAN1.dgn





EXACT SIGN LOCATION TO BE
DETERMINED IN THE FIELD,
APPROVAL FROM PROJECT RESIDENT.

USING 2003 MUTCD AND MaineDOT
STANDARD SPECIFICATIONS AND
STANDARD DETAILS, AS REVISED

SIGN LOCATION TO BE DETERMINED IN THE FIELD

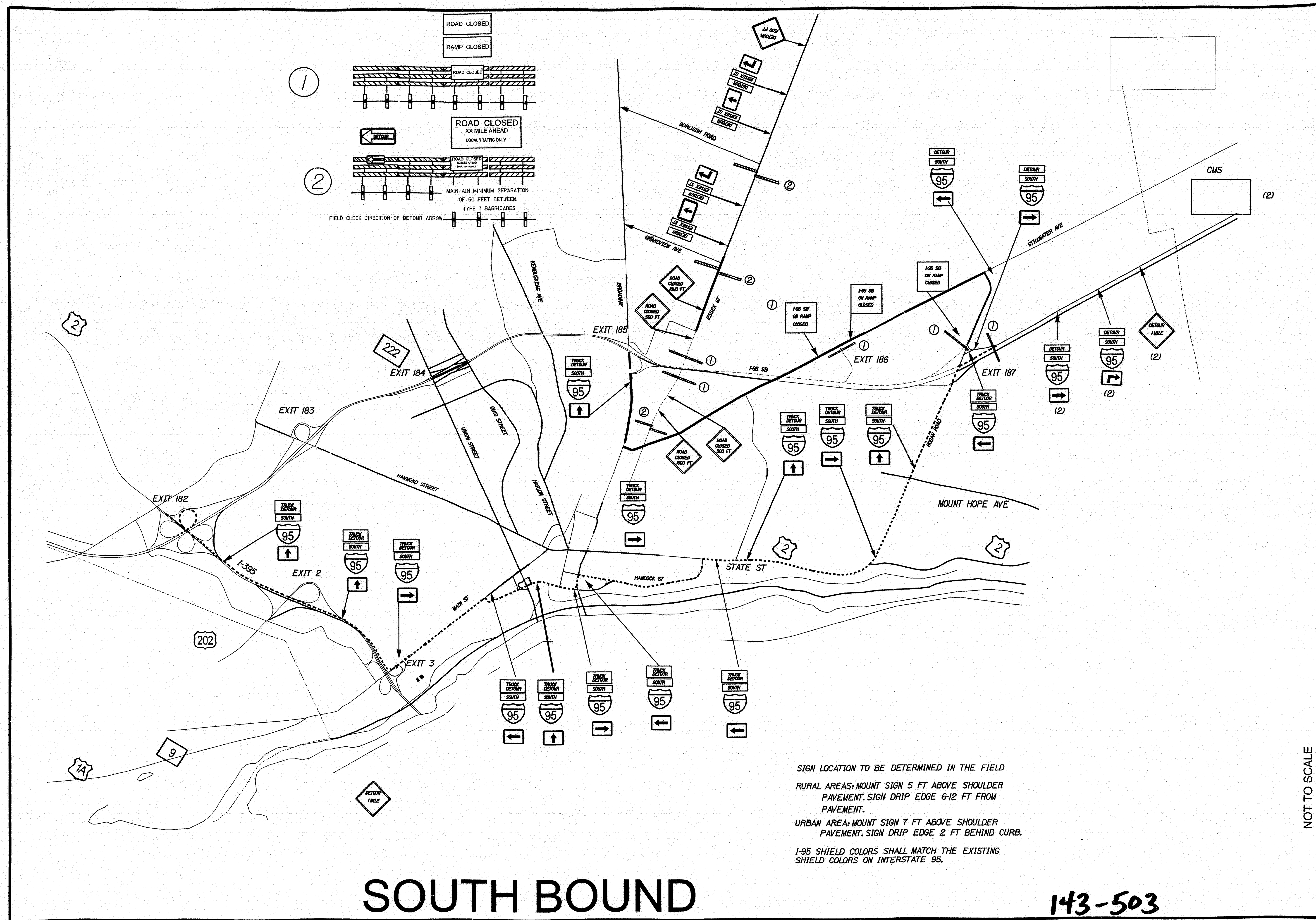
RURAL AREAS: MOUNT SIGN 5 FT ABOVE SHOULDER
PAVEMENT. SIGN DRIP EDGE 6-12 FT FROM
PAVEMENT.

URBAN AREA: MOUNT SIGN 7 FT ABOVE SHOULDER
PAVEMENT. SIGN DRIP EDGE 2 FT BEHIND CURB.

I-95 SHIELD COLORS SHALL MATCH THE EXISTING
SHIELD COLORS ON INTERSTATE 95.

NOT TO SCALE

29 OF 30	SHEET NUMBER	ESSEX STREET BRIDGE INTERSTATE 95 BANGOR		PROJ. MANAGER D. ANDERSON	BY B. Schierstedt	DATE 10/1/2009	STATE OF MAINE DEPARTMENT OF TRANSPORTATION AC-IM-1264(200)JE PROJECT NO. 6000 PIN 4000
		PENOBSCOT COUNTY		CHECKED - REVIEWED DESIGN - RETAILED	SIGNATURE		
		TRAFFIC CONTROL PLAN		REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4	P.E. NUMBER DATE		



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AC-IM-1264(200)E		PIN 12642.00	
BRIDGE NO. 5822		BRIDGE PLAN	
ESSEX STREET BRIDGE		INTERSTATE 95	
BANGOR		PENOBSCOT COUNTY	
TRAFFIC CONTROL PLAN		SHEET NUMBER	
30		OF 30	
DESIGN-DETAILED	BY	DATE	SIGNATURE
CHECKED-REVIEWED	E. SCHUBERT		
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
REVISIONS 5			
REVISIONS 6			
REVISIONS 7			
REVISIONS 8			
REVISIONS 9			
REVISIONS 10			
REVISIONS 11			
REVISIONS 12			
REVISIONS 13			
REVISIONS 14			
REVISIONS 15			
REVISIONS 16			
REVISIONS 17			
REVISIONS 18			
REVISIONS 19			
REVISIONS 20			
REVISIONS 21			
REVISIONS 22			
REVISIONS 23			
REVISIONS 24			
REVISIONS 25			
REVISIONS 26			
REVISIONS 27			
REVISIONS 28			
REVISIONS 29			
REVISIONS 30			
REVISIONS 31			
REVISIONS 32			
REVISIONS 33			
REVISIONS 34			
REVISIONS 35			
REVISIONS 36			
REVISIONS 37			
REVISIONS 38			
REVISIONS 39			
REVISIONS 40			
REVISIONS 41			
REVISIONS 42			
REVISIONS 43			
REVISIONS 44			
REVISIONS 45			
REVISIONS 46			
REVISIONS 47			
REVISIONS 48			
REVISIONS 49			
REVISIONS 50			
REVISIONS 51			
REVISIONS 52			
REVISIONS 53			
REVISIONS 54			
REVISIONS 55			
REVISIONS 56			
REVISIONS 57			
REVISIONS 58			
REVISIONS 59			
REVISIONS 60			
REVISIONS 61			
REVISIONS 62			
REVISIONS 63			
REVISIONS 64			
REVISIONS 65			
REVISIONS 66			
REVISIONS 67			
REVISIONS 68			
REVISIONS 69			
REVISIONS 70			
REVISIONS 71			
REVISIONS 72			
REVISIONS 73			
REVISIONS 74			
REVISIONS 75			
REVISIONS 76			
REVISIONS 77			
REVISIONS 78			
REVISIONS 79			
REVISIONS 80			
REVISIONS 81			
REVISIONS 82			
REVISIONS 83			
REVISIONS 84			
REVISIONS 85			
REVISIONS 86			
REVISIONS 87			
REVISIONS 88			
REVISIONS 89			
REVISIONS 90			
REVISIONS 91			
REVISIONS 92			
REVISIONS 93			
REVISIONS 94			
REVISIONS 95			
REVISIONS 96			
REVISIONS 97			
REVISIONS 98			
REVISIONS 99			
REVISIONS 100			