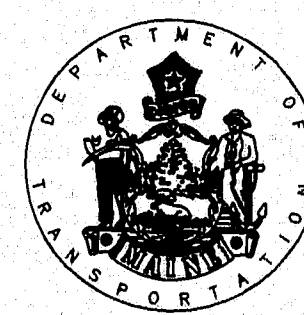
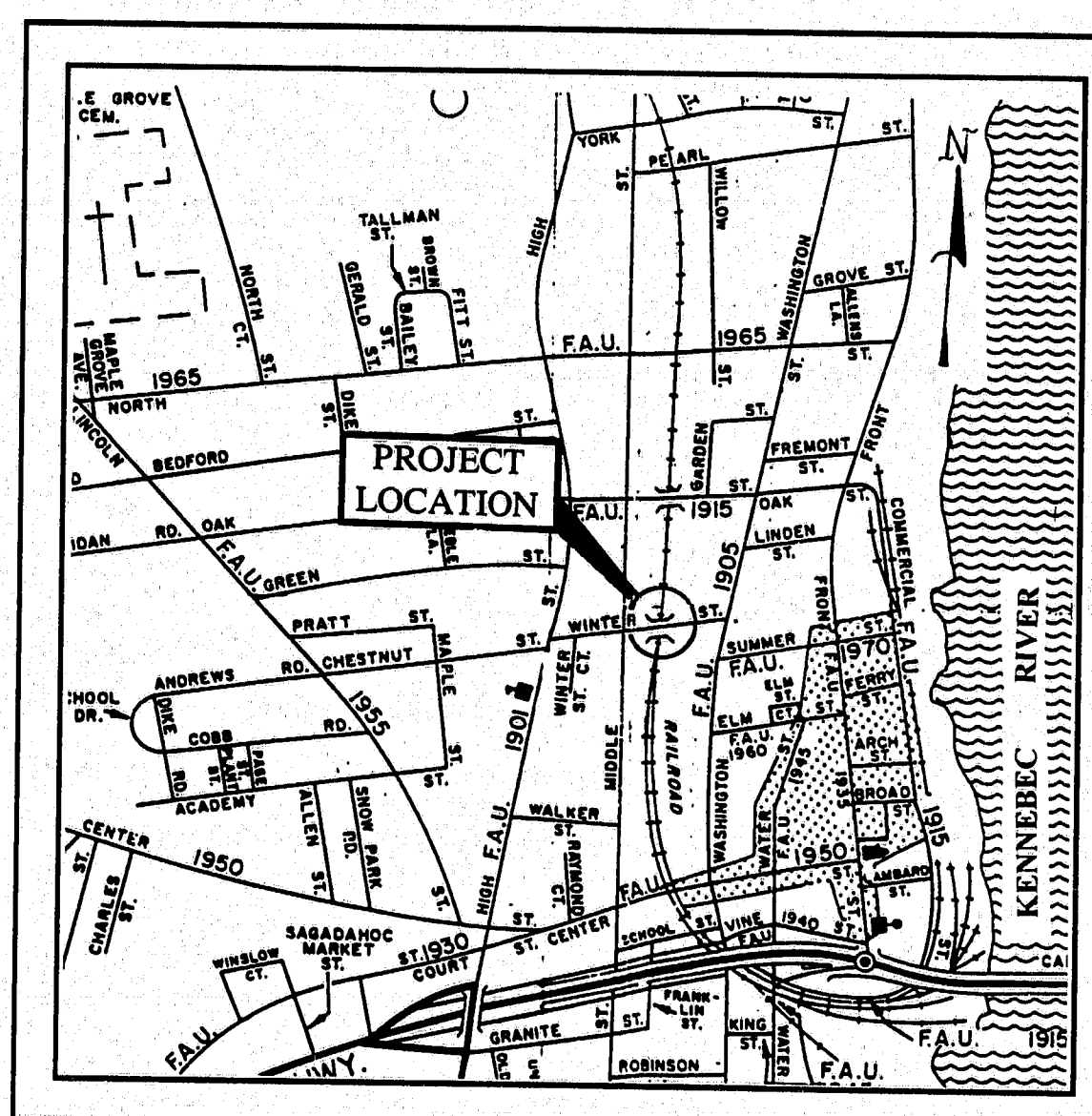


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



PLANS

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGADAHOC COUNTY
PROJECT NO. BR-5508(00)X

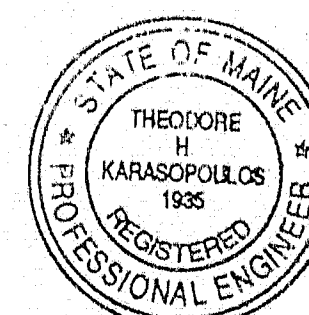


LOCATION MAP



A.A.D.T. (1994)	1050
A.A.D.T. (2014)	1260
D.H.V.	10
T.(X.D.H.V.)	3
V.	55
P.S.D.(%)	N/A
18 KIPS	10

NOTE
ALL WORK CONTEMPLATED UNDER THIS CONTRACT TO BE GOVERNED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (REVISION OF APRIL 1995) AND SUPPLEMENTALS THERETO AS MODIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS.



APPROVED:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

COMMISSIONER
CHIEF ENGINEER

8-16-95
DATE

DATE

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	1	30

PIN 005508.00
BATH

INDEX OF SHEETS
SHEET NO. DESCRIPTION

1	TITLE SHEET
2	ESTIMATED QUANTITIES & GENERAL CONSTRUCTION NOTES
3	FOUNDATION SURVEY
4	GENERAL PLAN
5	PROFILE & EXISTING BRIDGE SECTIONS
6-9	APPROACH SECTIONS
10	ABUTMENT 1
11	ABUTMENT 2
12	SUPERSTRUCTURE PLAN
13	RETAINING WALL @ BARRIER & MISC. CONCRETE SECTIONS
14	PRECAST SLAB PANELS
15	REINFORCING SCHEDULE
16	CONCRETE BARRIER
17	CONCRETE BARRIER REINFORCING SCHEDULE
18	BD 463-95 STEEL BRIDGE RAILING
19	BD 501-93 SUBSTRUCTURE DETAILS
20	HD-1 TYPE A, B, & C CATCH BASINS AND MANHOLES
21	HD-4 STANDARD DETAILS, CURBING
22	HD-5 STANDARD DETAILS, DRIVES & ENTRANCES
23	HD-6 STANDARD DETAILS, B.C.T.
24	HD-7 STANDARD DETAILS, DITCHES AND SLOPES
25	HD-9 STANDARD DETAILS, FENCING
26-28	HD-10-12 MAINTENANCE OF TRAFFIC IN CONSTRUCTION ZONES
29	HD-14 STANDARD DETAILS, PEDESTRIAN RAMPS
30	RIGHT-OF-WAY PLAN

SPECIFICATIONS

DESIGN: Load Factor Design per AASHTO Standard Specifications for Highway Bridges, 1992, 1993, and 1994 Interims.

CONTRACT: State of Maine, Department of Transportation, Standard Specifications, Highways & Bridges, Revision of April, 1995

DESIGN LOADING

LIVE LOAD: HS25
SEISMIC: SPC A

MATERIALS

CONCRETE: Precast Class "P"
Wearing Surface Class "AASF"
Concrete Fill Class "B"
All Other Class "A"
REINFORCING STEEL: ASTM A615, Grade 60
PRESTRESSING & POST-TENSIONING STEEL: ASTM A416, Grade 270

BASIC DESIGN STRESSES

CONCRETE: Precast $f'_c = 5,000$ psi
Wearing Surface $f'_c = 5,000$ psi
Concrete Fill $f'_c = 3,000$ psi
All other $f'_c = 4,000$ psi
REINFORCING STEEL $f_y = 60,000$ psi
PRESTRESSING & POST-TENSIONING STEEL $f_s = 189,000$ psi

119-86

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 Hammond Street
Bath, Maine, 04401

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

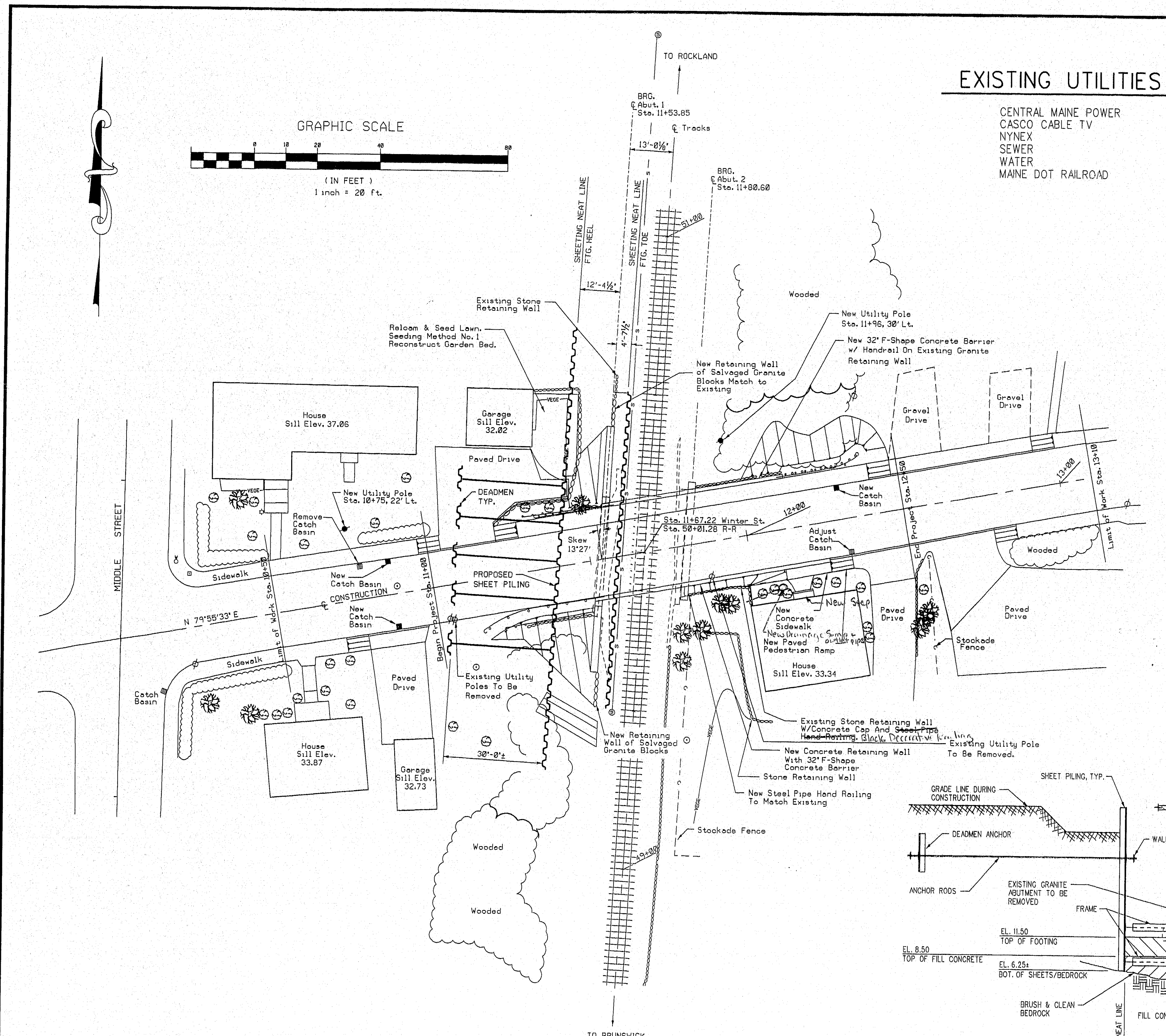
REGION 1

APPROVED:

DIVISION ADMINISTRATOR DATE

A SOILS REPORT AND PLAN OF THE EXISTING SANITARY SEWER ARE AVAILABLE FOR THE CONTRACTOR'S REFERENCE AT THE BRIDGE DESIGN OFFICE IN AUGUSTA.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET TOTAL NO. SHEETS
1	MAINE	PIN 005508.00	



EXISTING UTILITIES

CENTRAL MAINE POWER
CASCO CABLE TV
NYNEX
SEWER
WATER
MAINE DOT RAILROAD

LEGEND

- EXISTING CATCH BASIN
- NEW CATCH BASIN
- ⊙ EXISTING SANITARY SEWER
- ⊙ EXISTING MANHOLE (UNKNOWN USE)
- ⊙ EXISTING UTILITY POLE
- ⊙ NEW UTILITY POLE
- ⊙ EXISTING WATER GATE
- ⊙ EXISTING STONE MONUMENT
- ⊙ EXISTING SIGN POST
- ⊙ IRON PIN/PIPE FOUND
- ⊙ BUSH
- ⊙ TREE
- ⊙ EXISTING GUARD RAIL
- ⊙ NEW GUARD RAIL
- ⊙ TREELINE
- ⊙ EXISTING STOCKADE FENCE
- ⊙ EXISTING STONE RETAINING WALL
- ⊙ NEW STONE RETAINING WALL
- ⊙ VEGETABLE GARDEN
- ⊙ CLEARING LIMITS
- ⊙ EXISTING SEWER LINE

CONSTRUCTION SEQUENCE

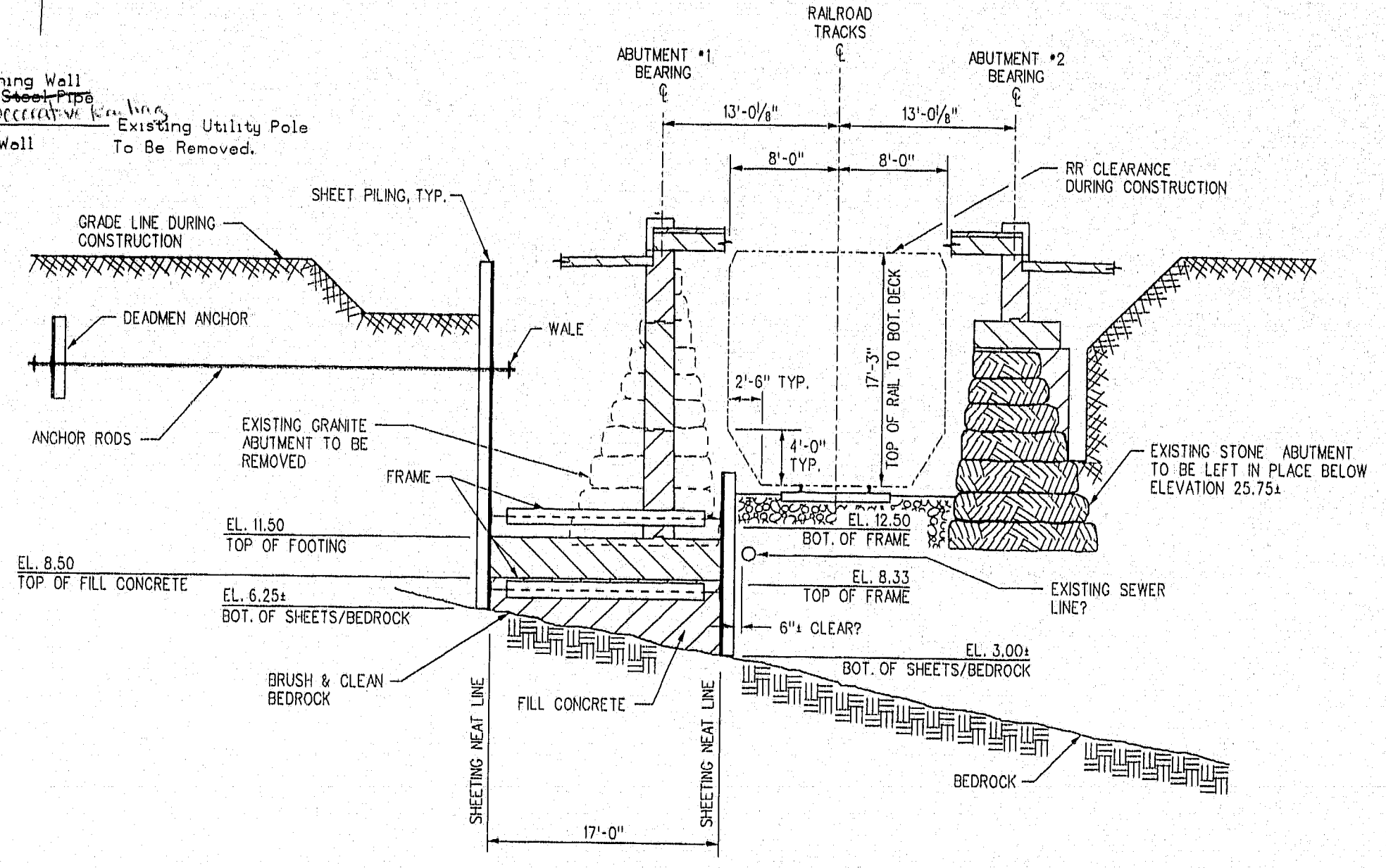
- CLOSE ROAD TO TRAFFIC.
- REMOVE TEMPORARY BRIDGE AND SIDEWALKS.
- REMOVE COMMON EXCAVATION, STATION 10+50 TO ABUTMENT #1 LEFT.
- DRIVE SHEET PILING AT STATION 11+39: LEFT AND AT STATION 11+58.5: LEFT.
- INSTALL DEADMEN AT STATION 11+05: LEFT.
- SET NEW UTILITY POLE STATION 11+96, 30'-0" LEFT.
- SET NEW UTILITY POLE STATION 10+75, 22'-0" LEFT.
- RELOCATE UTILITIES.
- REMOVE COMMON EXCAVATION FROM STATION 10+50 TO ABUTMENT #1 RIGHT.
- DRIVE SHEET PILING AT STATION 11+39: RIGHT AND AT STATION 11+58.5: RIGHT.
- INSTALL DEADMEN AT STATION 11+05: RIGHT.
- EXCAVATE BEHIND ABUTMENT #2 FOR INSTALLATION OF ABUTMENT CAP AS INDICATED ON THE CONTRACT DRAWINGS. THE EXISTING STONE RETAINING WALLS ON THE LEFT AND RIGHT ARE TO REMAIN INTACT AS MUCH AS POSSIBLE.
- INSTALL ABUTMENT #2 CAP, RETAINING WALL WITH CONCRETE BARRIER RIGHT AND CONCRETE BARRIER ON EXISTING STONE RETAINING WALL LEFT.
- INSTALL NEW CATCH BASIN STATION 12+29.38 LEFT AND ADJUST CATCH BASIN AT STATION 12+32.00 RIGHT.
- BACKFILL AND COMPACT TO BOTTOM OF APPROACH SLAB ELEVATION AT ABUTMENT #2. INSTALL APPROACH SLAB AT ABUTMENT #2.
- EXCAVATE ABUTMENT #1 AND REMOVE EXISTING GRANITE ABUTMENT TO ELEVATION 12.5: INSTALL STRUT AND WALE SYSTEM AT ELEVATION 12.5:.
- EXCAVATE TO ELEVATION 6.50: INSTALL STRUT AND WALE SYSTEM AT ELEVATION 8.33: EXCAVATE TO BEDROCK.
- POUR FILL CONCRETE, USING SHEET PILING AS FORM WORK AND EMBEDDING LOWER STRUT AND WALE SYSTEM.
- WHEN CONCRETE HAS ATTAINED ADEQUATE STRENGTH, REMOVE STRUT AND WALE SYSTEM AT ELEVATION 12.5: CONSTRUCT ABUTMENT #1 TO ELEVATION 19.5: BACKFILL BOTH SIDES OF THE WALL TO ELEVATION 13.04: CUT OFF PILING AT STATION 11+58.5: 1'-0" MIN BELOW FINISH GRADE. BACKFILL BOTH SIDES OF WALL TO ELEVATION 15.0:.
- CONSTRUCT ABUTMENT TO ELEVATION 27.5: INSTALL FRENCH DRAIN AND BACKFILL TO TIE ROD ELEVATION. CUT OFF SHEET PILING AND REMOVE DEADMEN ANCHORS AND TIE RODS.
- COMPLETE ABUTMENT CONSTRUCTION, BACKFILL TO BOTTOM OF APPROACH SLAB ELEVATION AND INSTALL APPROACH SLAB AT ABUTMENT #1.
- REMOVE CATCH BASIN AT STATION 10+78 LEFT. INSTALL NEW CATCH BASINS AT STATION 10+87.71 LEFT AND RIGHT.
- INSTALL BRIDGE DECK, CONCRETE BARRIERS, SIDEWALK, AND WEARING SURFACE.
- PLACE AGGREGATE SUBBASE COURSE AND BITUMINOUS PAVEMENT.
- INSTALL GUARDRAILS, HANDRAILS, LOAM & SEED, AND PLANTINGS TO COMPLETE PROJECT.
- REOPEN ROAD TO TRAFFIC.

GENERAL CONSTRUCTION NOTES

- ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS NOTED.
- FOR EASEMENTS, CONSTRUCTION LIMITS AND RIGHT-OF-WAY LINES REFER TO RIGHT OF WAY MAP.
- DURING CONSTRUCTION, THE ROAD WILL BE CLOSED TO TRAFFIC FOR A PERIOD SPECIFIED IN THE SPECIAL PROVISIONS.
- THE CLEARING LIMITS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT LIMITS SHALL BE ESTABLISHED IN THE FIELD BY THE ENGINEER. PAYMENT FOR CLEARING SHALL BE INCIDENTAL TO CONTRACT ITEMS.
- DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE ENGINEER. PAYMENT FOR SHAPING AND COMPACTING OF THE EXISTING SUBBASE AND LAYERS OF NEW SUBBASE 6" OR LESS THICK, IN AREAS WHERE THE ENGINEER DIRECTS THE CONTRACTOR NOT TO EXCAVATE TO THE SUBGRADE LINE SHOWN ON THE PLANS, WILL BE MADE IN ACCORDANCE WITH SUBSECTION 104.03, EXTRA WORK.

STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES:

- ASSOCIATED WORK: THE INSTALLATION OF SHEET PILING AND RELATED ITEMS SHALL BE INCIDENTAL TO PAY ITEM 206.002, STRUCTURAL EARTH EXCAVATION. MAJOR STRUCTURES. REMOVAL OF THE EXISTING ABUTMENTS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR STRUCTURAL EARTH EXCAVATION.
- SUBMITTALS: THE CONTRACTOR SHALL SUBMIT DESIGN COMPUTATIONS AND AN EXCAVATION PLAN, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MAINE, TO THE ENGINEER FOR APPROVAL. APPROVAL OF THE DESIGN COMPUTATIONS AND EXCAVATION PLAN SHALL BE REQUIRED PRIOR TO THE START OF STRUCTURAL EARTH EXCAVATION. A PERIOD NOT TO EXCEED FOUR WEEKS WILL BE REQUIRED TO EVALUATE THE CONTRACTOR'S PROPOSAL.
- CONSTRUCTION SEQUENCE: THE CONSTRUCTION SEQUENCE MAY BE MODIFIED BY THE CONTRACTOR'S DESIGN ENGINEER, PROVIDED THAT SUCH MODIFICATION INSURES THE CONTINUOUS OPERATION OF THE RAIL ROAD DURING CONSTRUCTION AND MINIMIZES THE DISRUPTION OF UTILITIES.



SECTION @ STA. 50+01.28 R-R
(PERPENDICULAR TO TRACK)

D) DESIGN LOADS:

RAIL ROAD: IN ACCORDANCE WITH THE AMERICAN RAILROAD ASSOCIATION SPECIFICATIONS FOR E 80 LOADING.

EARTH PRESSURES AND CONSTRUCTION SURCHARGE: PER STANDARD ENGINEERING PRACTICE.

E) BEDROCK ELEVATION: IF HIGH BEDROCK IS ENCOUNTERED IN THE FIELD, THE BOTTOM OF FOOTING ELEVATION FOR ABUTMENT #1 MAY BE RAISED (SUBJECT TO THE APPROVAL OF THE ENGINEER) BY THE CONTRACTOR'S DESIGN ENGINEER TO FACILITATE DEVELOPMENT OF SHEET PILING TOE PRESSURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADJUSTMENTS TO VERTICAL BAR LENGTHS CAUSED BY SUCH A CHANGE.

119-87

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
CONSTRUCTION SEQUENCE &
GENERAL CONSTRUCTION NOTES
SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	VLH	5-9-95
CHECKED		
REVISIONS		
FIELD CHANGES		

PROJECT DESIGN ENGINEER	DATE
CHECKED	6-18-95
DESIGN DETAIL	6-20-95
REVISIONS	
FIELD CHANGES	
PLANS	

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.09	REM. EXIST. SUPERSTRUCTURE, RETAINED BY DEPARTMENT	1	L.S.
202.15	REMOVE MANHOLE OR CATCH BASIN	3	EA.
202.203	PAVEMENT BUTT JOINTS	49	S.Y.
203.20	COMMON EXCAVATION	730	C.Y.
203.25	GRANULAR BORROW	830	C.Y.
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURE	1260	C.Y.
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	670	C.Y.
403.07	HOT BITUMINOUS PAVEMENT, GRADING B	86	T
403.08	HOT BITUMINOUS PAVEMENT, GRADING C	39	T
403.101	HOT BITUMINOUS PAVEMENT, GRADING D (Sidewalks, Shims, Drives, Incidentals)	36	T
409.15	BITUMINOUS TACK COAT, APPLIED	12	G
502.219	STRUCTURAL CONCRETE, ABUTMENTS & RETAINING WALLS (316 C.Y.)	1	L.S.
502.25	STRUCTURAL CONCRETE SUPERSTRUCTURE SLAB (Bridge Sidewalk)(7 C.Y.)	1	L.S.
502.29	STRUCTURAL CONCRETE WEARING SURFACE ON BRIDGE (6 C.Y.)	1	L.S.
502.31	STRUCTURAL CONCRETE APPROACH SLAB (17 C.Y.)	1	L.S.
502.4711	SILICA FUME ADDITIVE (600 LB.)	1	L.S.
502.56	CONCRETE FILL	201	C.Y.
503.12	REINFORCING STEEL FABRICATED & DELIVERED	31,390	LB.
503.13	REINFORCING STEEL PLACING	31,390	LB.
507.0845	BARRIER MOUNTED STEEL BRIDGE RAILING: 1 BAR	58	L.F.
512.081	FRENCH DRAINS (7 @ L.F.)	1	L.S.
514.06	CURING BOX FOR CONCRETE CYLINDERS	1	EA.
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (215 S.Y.)	1	L.S.
524.30	TEMPORARY STRUCTURAL SUPPORT	1	EA.
526.301	TEMPORARY CONCRETE BARRIER, TYPE I (60 L.F.)	1	L.S.
526.32	PERMANENT CONCRETE BARRIER, TYPE III	133	L.F.
535.60	PRESTRESSED STRUCTURAL CONCRETE SLAB (94 S.Y.)	1	L.S.
603.1552	REINFORCED CONCRETE PIPE CLASS IV	84	L.F.
604.092	CATCH BASIN TYPE B1-C	2	EA.
604.102	CATCH BASIN TYPE B2-C	2	EA.
604.15	MANHOLE	1	EA.
606.257	TERMINAL CONNECTOR THRIE BEAM	3	EA.
606.35	GUARDRAIL DELINEATOR POST	3	EA.
606.65	GUARDRAIL THRIE BEAM - SINGLE RAIL	38	L.F.
606.66	TERMINAL END THRIE BEAM	1	EA.
606.70	TRANSITION SECTION THRIE BEAM	1	EA.
606.77	BREAKAWAY CABLE TERMINAL (1 MODIFIED)	2	EA.
608.08	REINFORCED CONCRETE SIDEWALK	9	S.Y.

* UNDETERMINED LOCATION

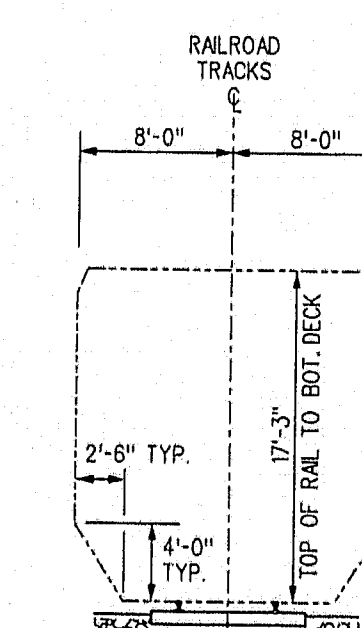
ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
609.31	CURB TYPE 3	295	L.F.
610.09	HAND LAID RIPRAP	7	C.Y.
615.07	LOAM	23	C.Y.
619.12	MULCH	5	UN
618.13	SEEDING METHOD NUMBER 1	2	UN
618.14	SEEDING METHOD NUMBER 2	2	UN
618.15	TEMPORARY SEEDING	3	LB.
621.032	EVERGREEN TREES (4' - 5') GROUP B WHITE SPRUCE	14	EA.
621.267	LARGE DECIDUOUS TREES (1 1/4" - 2" CAL.) GROUP A RED MAPLE	3	EA.
621.267	LARGE DECIDUOUS TREES (1 1/4" - 2" CAL.) GROUP A GREEN ASH (SUMMIT)	10	EA.
621.267	GINKO	1	EA.
621.546	DECIDUOUS SHRUBS (2' - 3') GROUP A REGAL PRIVET	12	EA.
622.10	TRANSPLANTING SHRUB	4	EA.
627.63	4" SOLID YELLOW PAVEMENT MARKING LINE	600	L.F.
629.05	HAND LABOR, STRAIGHT TIME	10	M.H.
631.12	ALL PURPOSE EXCAVATOR (INC. OPR.)	10	HR.
631.171	TRUCK - SMALL (INC. OPR.)	10	HR.
631.36	FOREMAN	10	M.H.
639.18	FIELD OFFICE, TYPE A	1	EA.
639.23	TESTING FACILITIES, CONCRETE	1	L.S.
645.271	REGULATORY WARNING CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN, TYPE I	3	S.F.
652.31	TYPE I BARRICADE	10	EA.
652.312	TYPE II BARRICADE	2	EA.
652.33	DRUM	10	EA.
652.34	CONE	10	EA.
652.35	CONSTRUCTION SIGNS	250	SF.
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	L.S.
652.38	FLAGGER	25	M.H.
659.10	MOBILIZATION	1	L.S.

ESTIMATE OF LUMP SUM QUANTITIES			

** NON-BID ITEM

GENERAL CONSTRUCTION NOTES

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- FOR EASEMENTS, CONSTRUCTION LIMITS AND RIGHT-OF-WAY LINES REFER TO RIGHT OF WAY MAP.
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- THE CLEARING LIMITS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT LIMITS SHALL BE ESTABLISHED IN THE FIELD BY THE ENGINEER. PAYMENT FOR CLEARING SHALL BE INCIDENTAL TO CONTRACT ITEMS.
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- ONE GUARDRAIL DELINEATOR POST AND ONE TERMINAL END SHALL BE INSTALLED AT EACH GUARDRAIL END.
- BREAKAWAY CABLE TERMINALS SHALL BE INSTALLED CONCURRENT WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
- EARTH SIDEWALLS AND TRENCHES ON THE SIDES OF THE RAILROAD TRACK SHALL BE ADEQUATELY RETAINED TO SUPPORT RAILROAD TRAFFIC DURING STRUCTURAL EXCAVATION FOR AND CONSTRUCTION OF THE ABUTMENT FOOTINGS AND WALLS. THE SUPPORT SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN RAILROAD ENGINEERING ASSOCIATION SPECIFICATIONS FOR E80 LOADING AND SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL SUBMIT DESIGN COMPUTATIONS AND PLANS OF THE SUPPORT SYSTEM TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF STRUCTURAL EXCAVATION. ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK WILL BE PAID FOR UNDER ITEM 524.30, TEMPORARY STRUCTURAL SUPPORT.
- SHEET PILING AND/OR OTHER SHORING SYSTEMS ARE REQUIRED TO PREVENT UNDERMINING OF THE EXISTING ROADWAY, BUILDING FOUNDATIONS AND RETAINING WALLS TO REMAIN IN PLACE. ALL LABOR, EQUIPMENT, MATERIAL, AND INCIDENTALS FOR THE SHEET PILING AND/OR SHORING SYSTEM WILL BE CONSIDERED INCIDENTAL TO ITEM 524.30, TEMPORARY STRUCTURAL SUPPORT.
- RECONSTRUCTION OF GRANITE RETAINING WALLS
 - THE WORK, MATERIALS, AND EQUIPMENT NECESSARY FOR THE RECONSTRUCTION OF GRANITE RETAINING WALLS, AS DIRECTED BY THE ENGINEER, SHALL BE CONSIDERED INCIDENTAL TO RELATED CONTRACT ITEMS.
 - GRANITE USED TO RECONSTRUCT THE STONE WALLS AT THE ENDS OF THE NEW WING WALLS FOR ABUTMENT 1 SHALL BE SALVAGED FROM THE EXISTING GRANITE ABUTMENT. STONES SHALL BE SOUND AND DURABLE.
 - ALL STONES SHALL BE PLACED IN A NEAT, WELL FITTED MANNER SO AS TO MINIMIZE VOIDS BETWEEN THE BEDS. JOINTS SHALL BE STAGGERED.
 - ALL STONES SHALL BE DRY LAID WITH A FRONT (VISIBLE FACE) BATTER OF 1H:9V AND A REAR (BACKFILLED FACE) BATTER OF 1H:3V.
 - BOTTOM OF GRANITE WALLS AT ENDS OF WING WALLS PARALLEL TO RAILROAD TRACKS SHALL BE AT EL. 11.00. WIDTH OF STONE WALL AT TOP COURSE SHALL BE 2'-0" MINIMUM.
 - MINIMUM WIDTH FOR TOP COURSE OF STONE AT WALL ALONG PAVED DRIVE AND VEGETABLE GARDEN NORTH OF ABUTMENT 1 SHALL BE 1'-6".
 - BACKSIDE OF RECONSTRUCTED STONE WALLS SHALL BE COVERED WITH DRAINAGE GEOTEXTILE, CLASS "A" AND BACKFILLED WITH STRUCTURAL BACKFILL.



RAILROAD CLEARANCES
DURING CONSTRUCTION

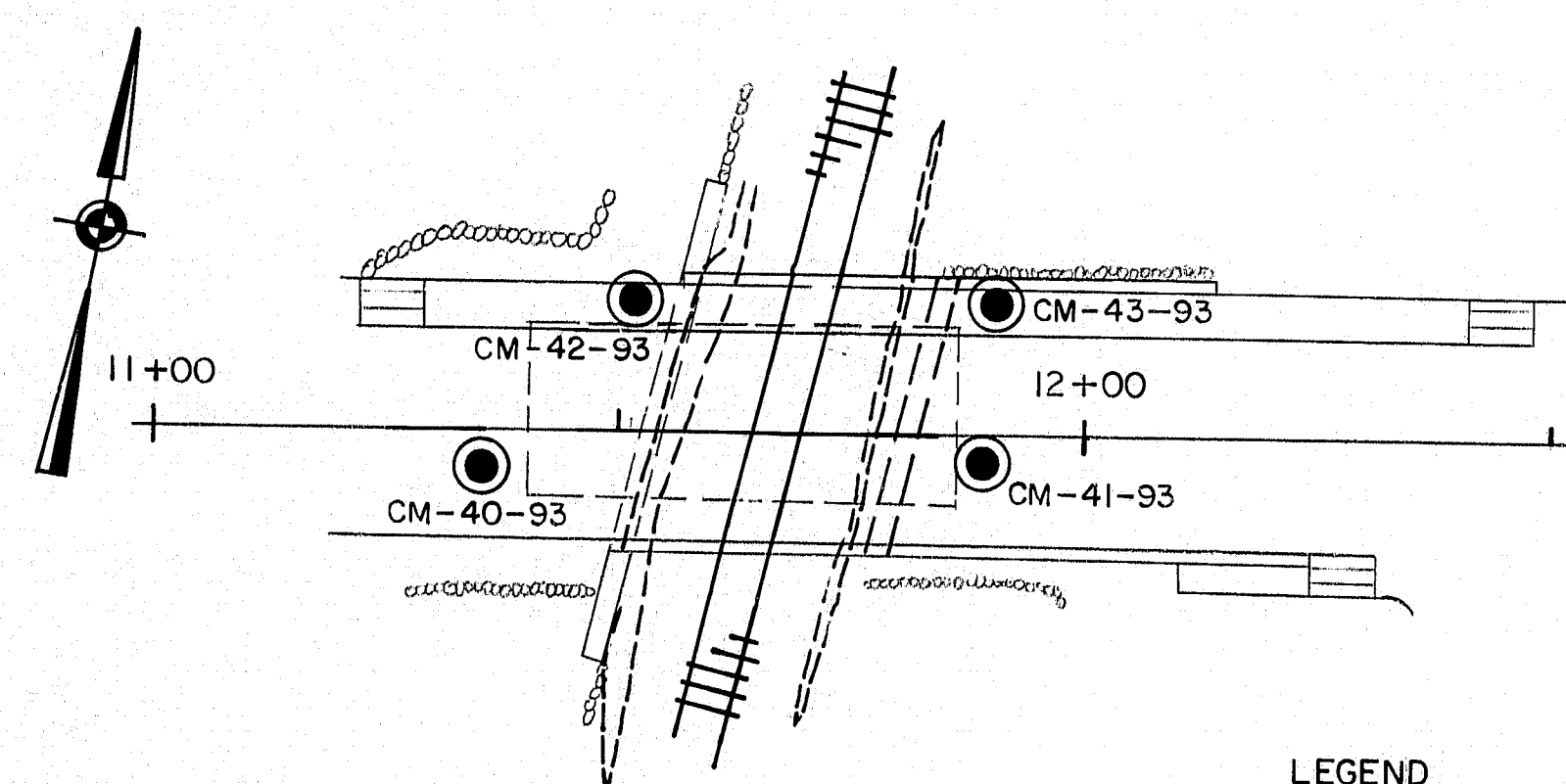
AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 HAWTHORNE STREET
BANGOR, MAINE 04401

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

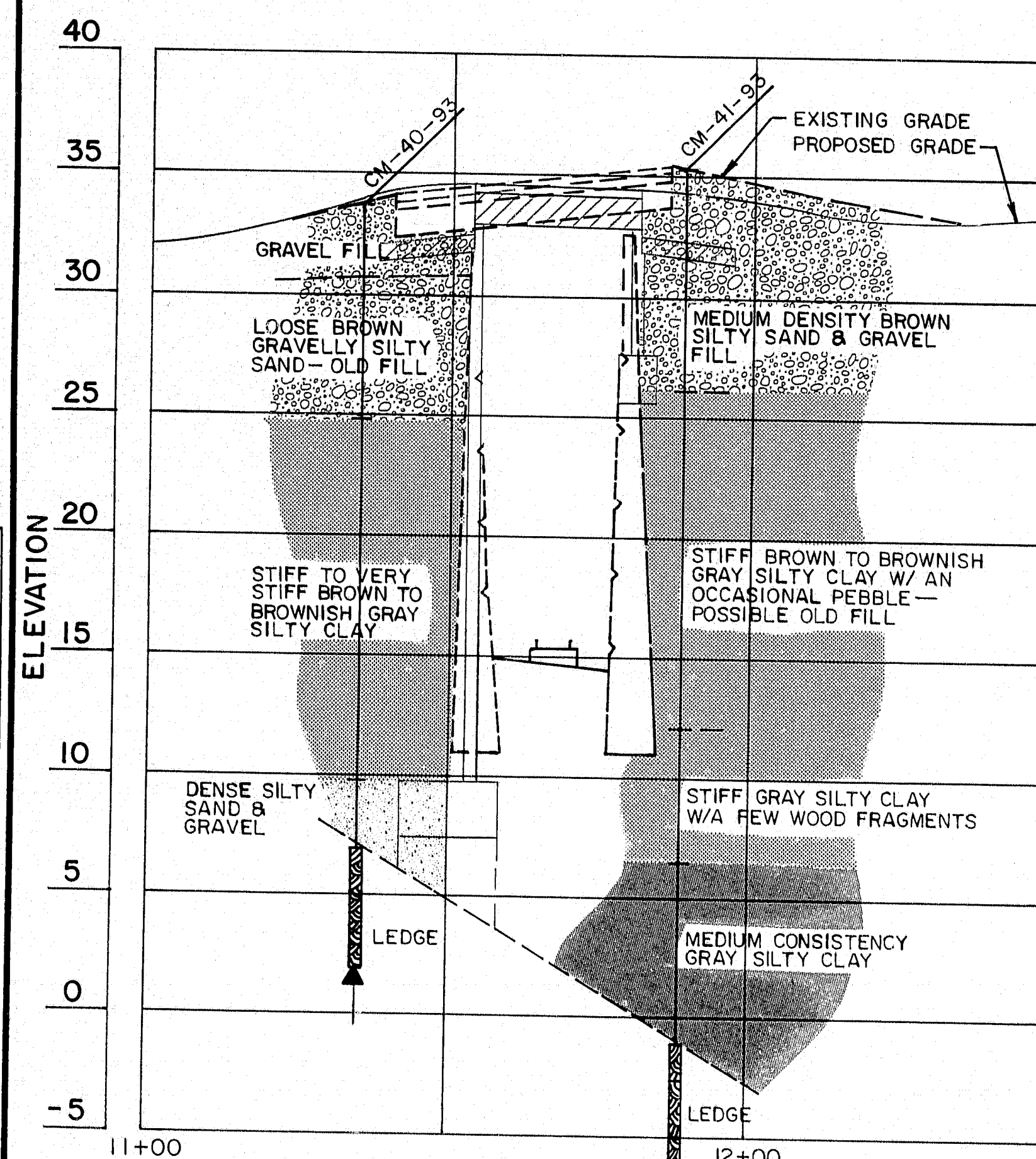
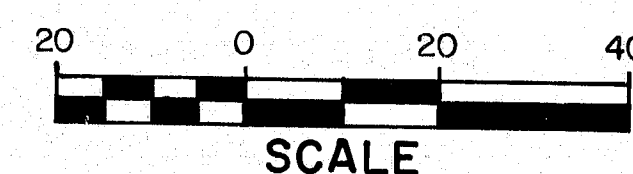
119-88

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
ESTIMATED QUANTITIES
& GENERAL CONSTRUCTION NOTES
SHEET 2 OF 30 AUGUSTA, MAINE

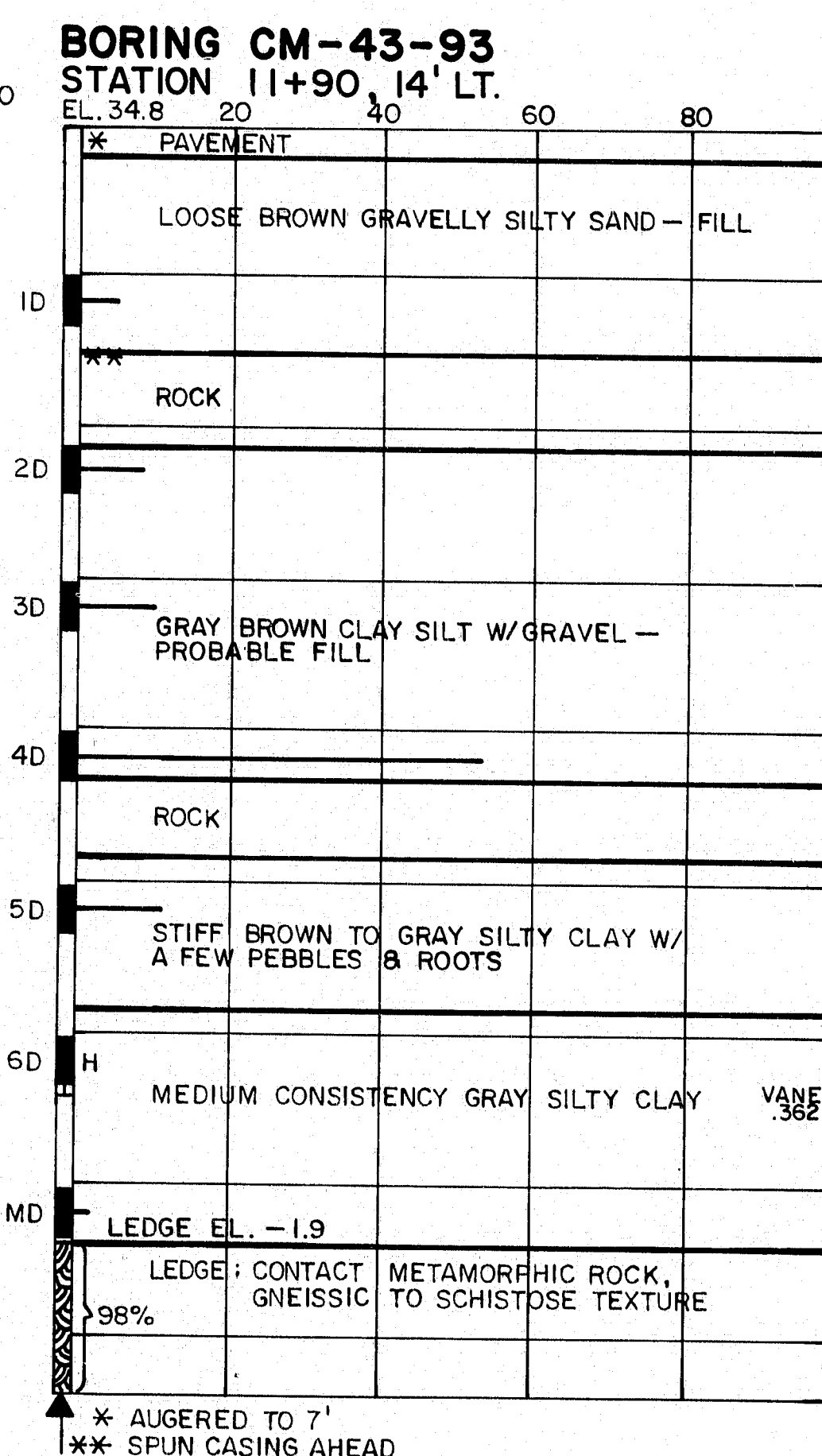
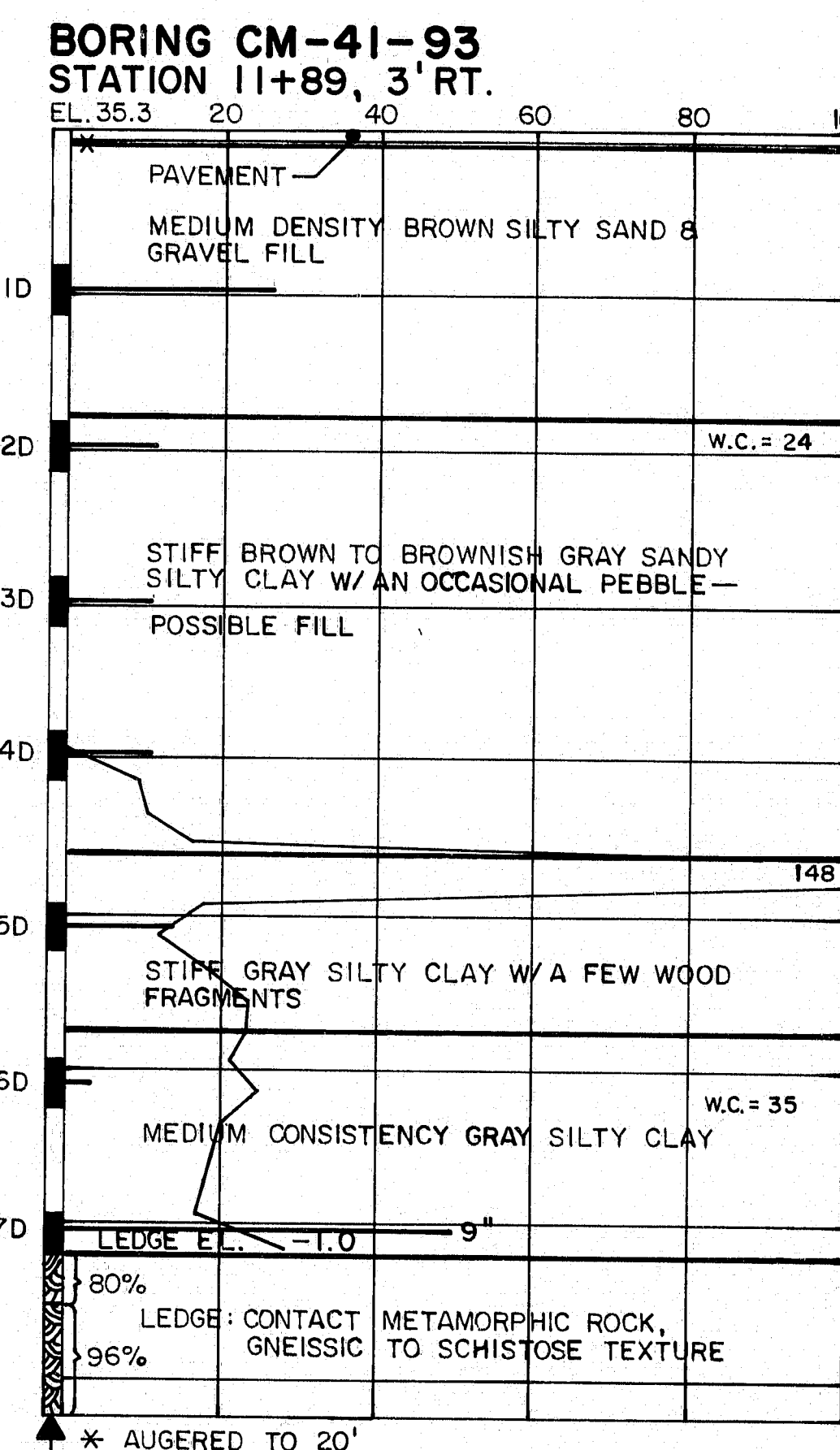
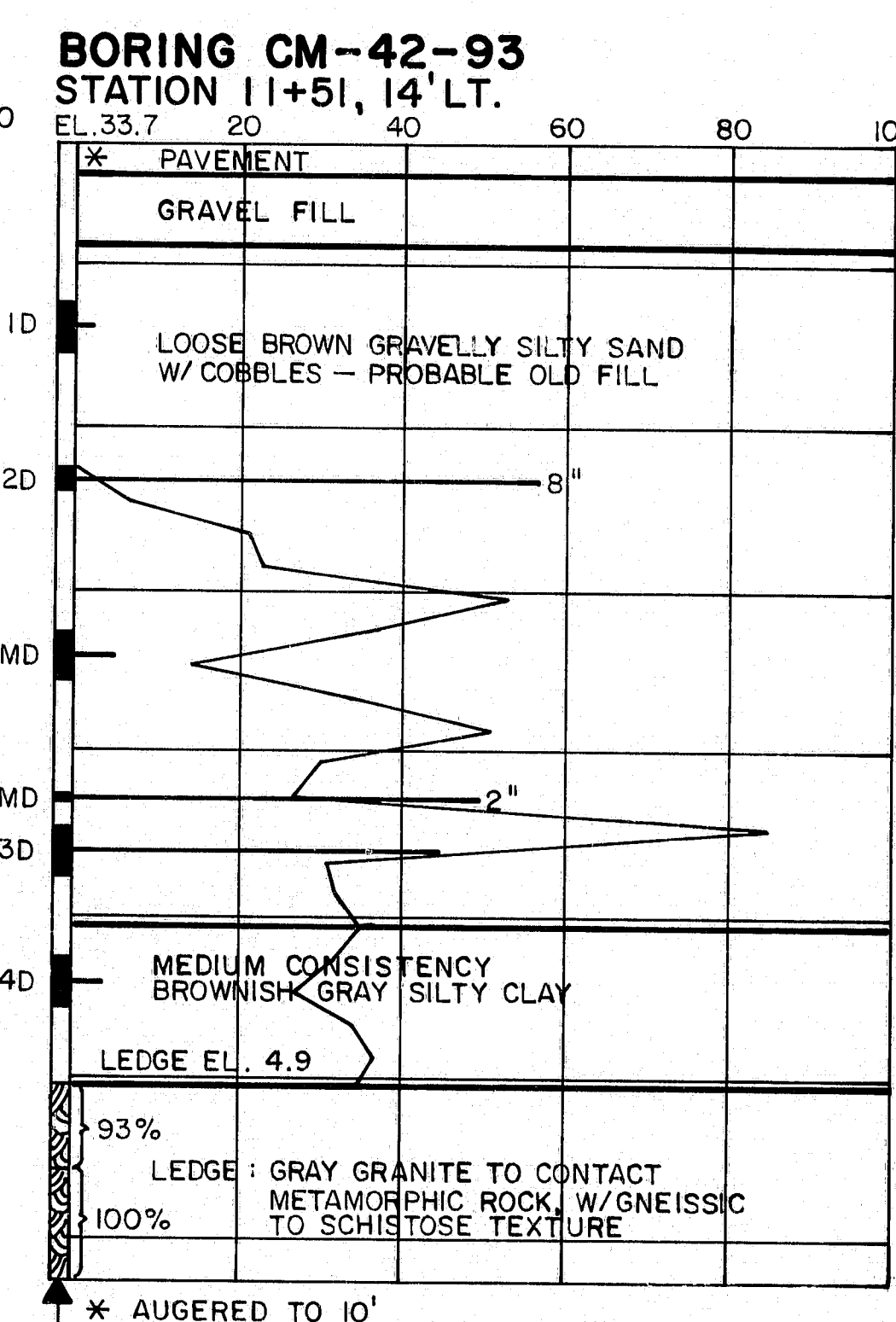
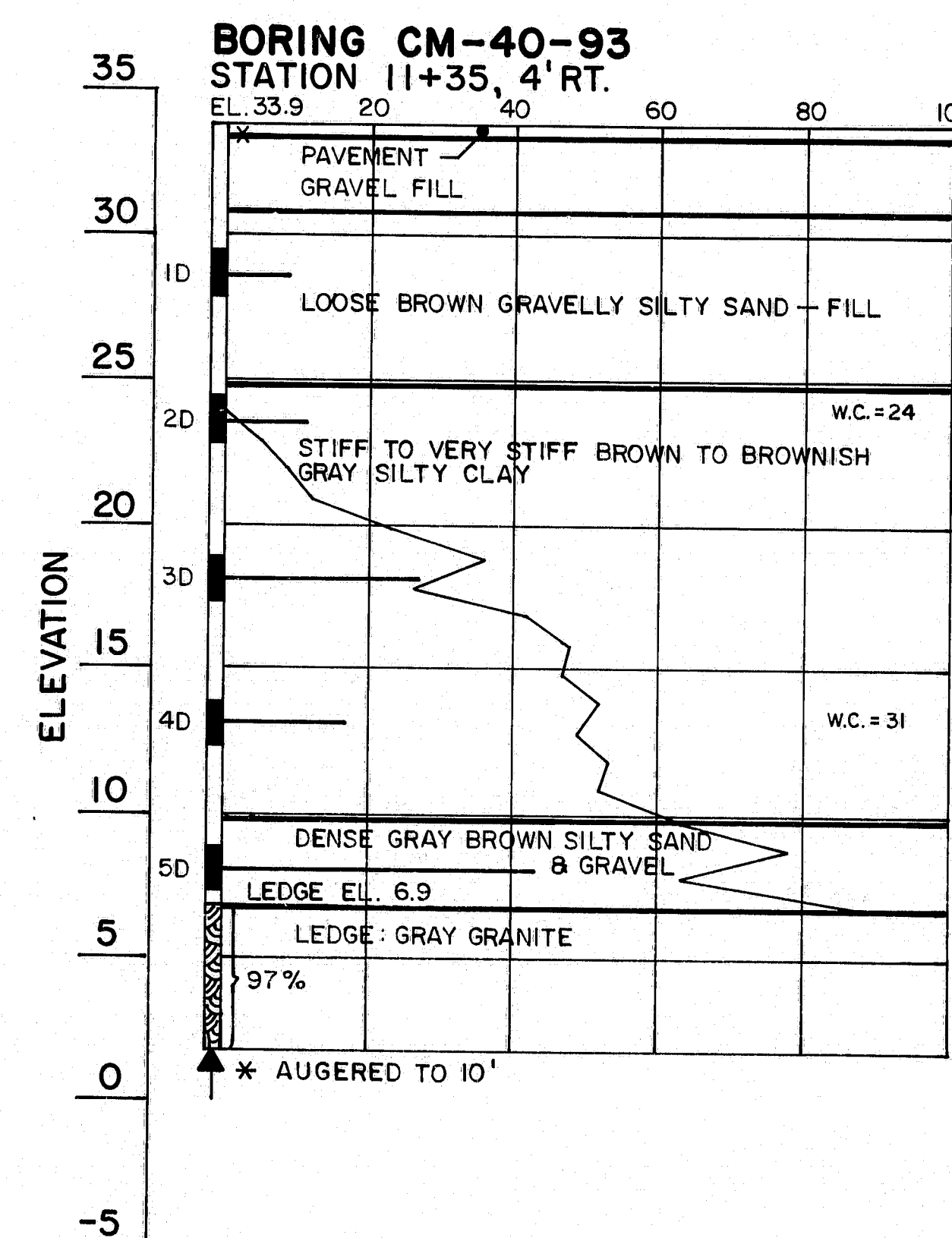
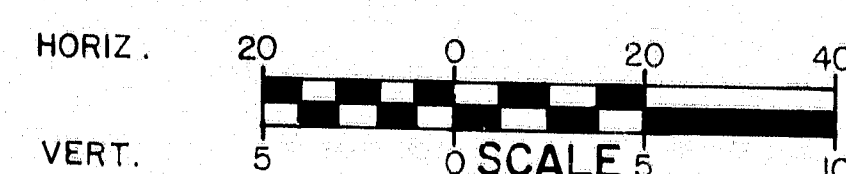
F.N.A. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(99)X	3	30



PLAN

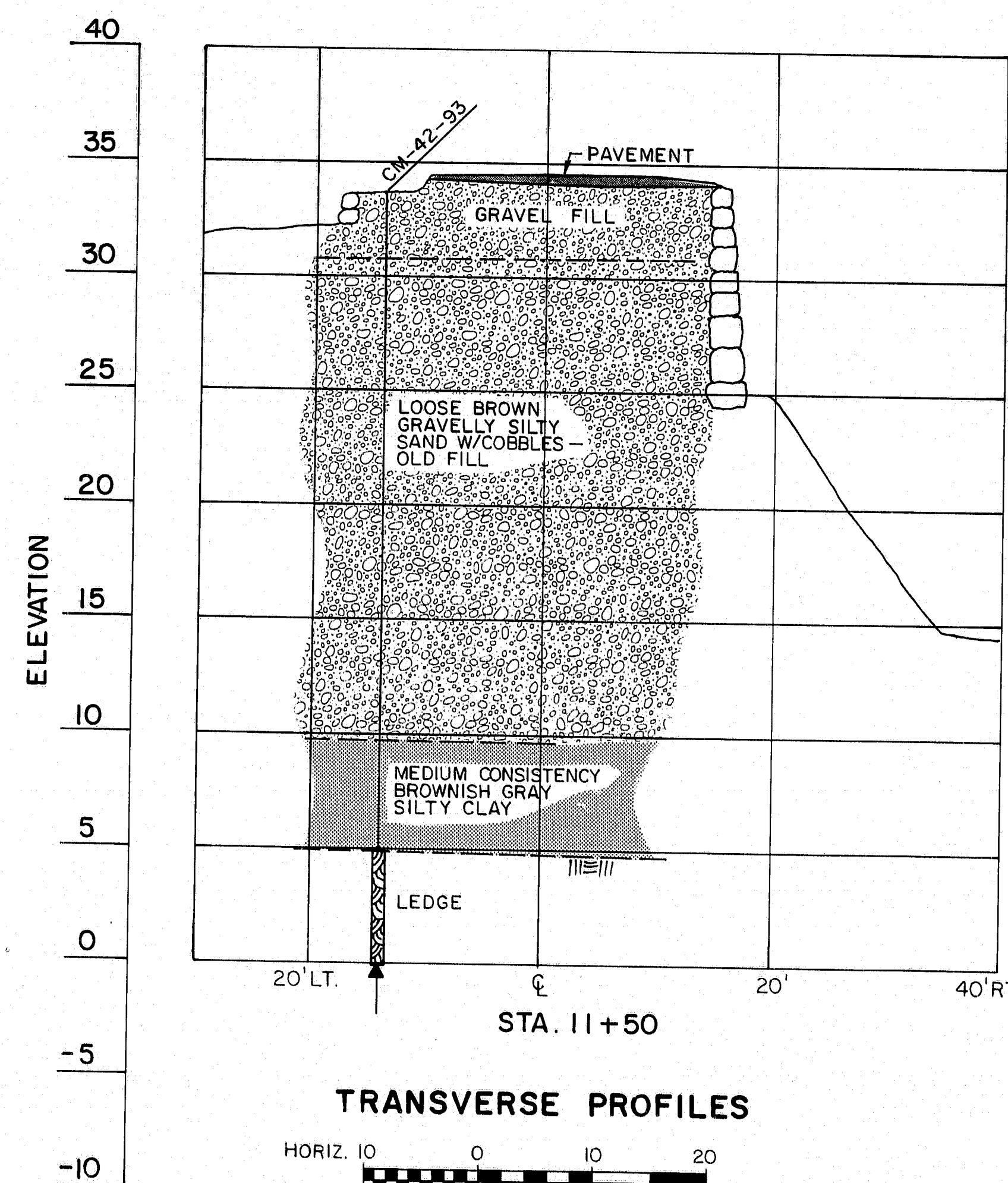


PROFILE

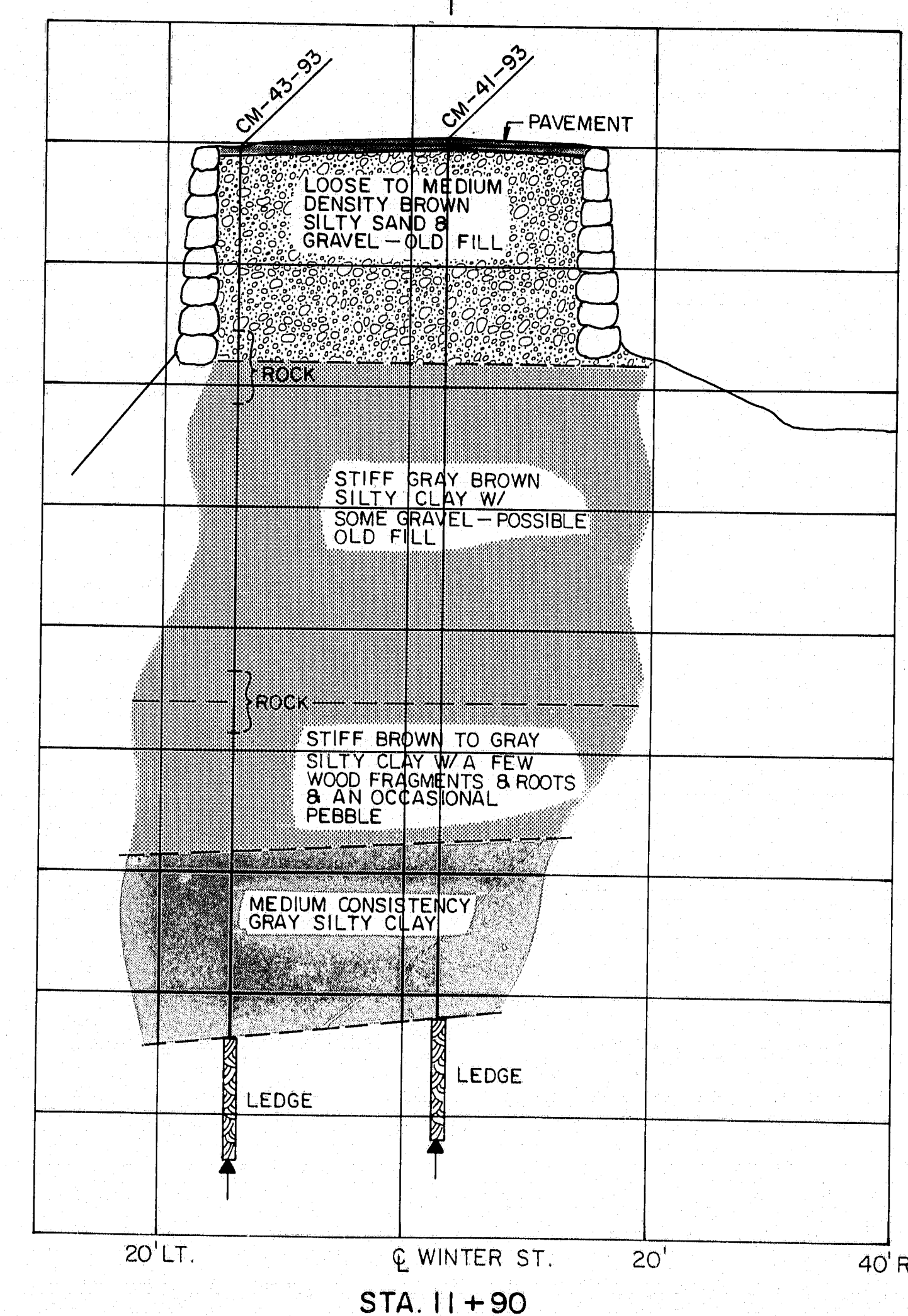
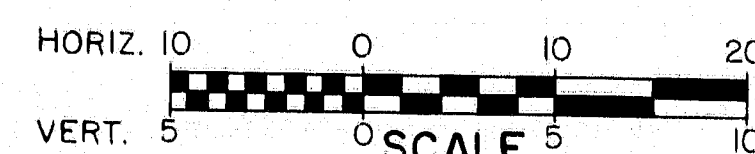


BORING NOTES

- 2 1/2" Casing
- All samples and vane are made ahead of casing
- Number of blows required to drive extra heavy casing one foot with 400 ft. lbs. of energy per blow
- Location of sample or sample attempt
- Number and type of dry sample
- ID Split spoon sampler
- MD Unsuccessful sample attempt and type of sampler
- Number of blows required to drive spoon or tubing one foot with 350 ft. lbs. of energy per blow
- H Sampling spoon or seamless tubing driven by static weight of drill rods and hammer
- Field vane test
- Bottom of boring (may not be bottom of soil strata)
- Locations cored by diamond bit and percent recovery of rock



TRANSVERSE PROFILES



STA. 11+90

119-89

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
over the
MAINE D.O.T. RAILROAD

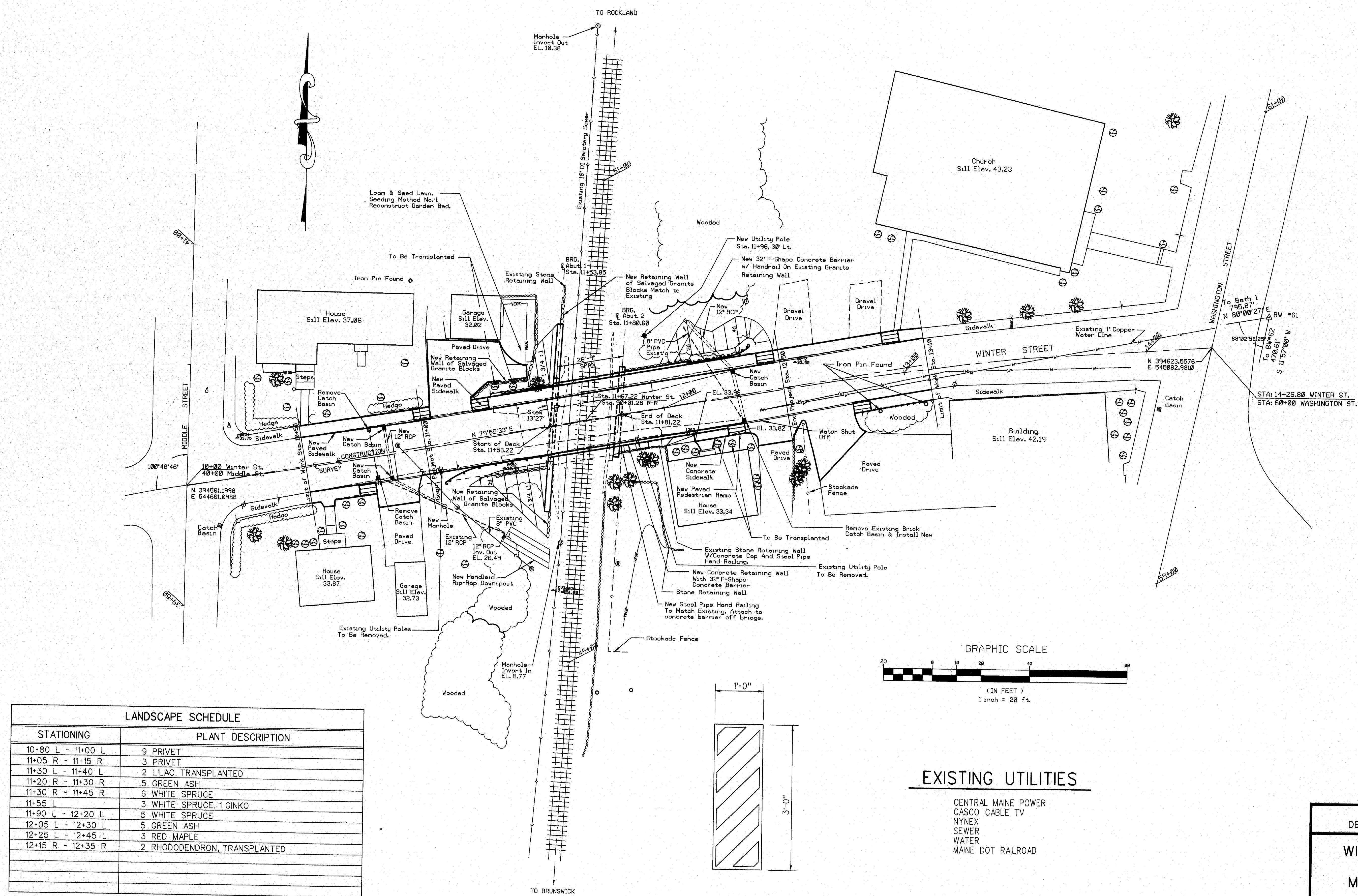
In the city of

BATH
SAGADAHOE COUNTY
FOUNDATION SURVEY
AUGUSTA, MAINE

SHEET OF

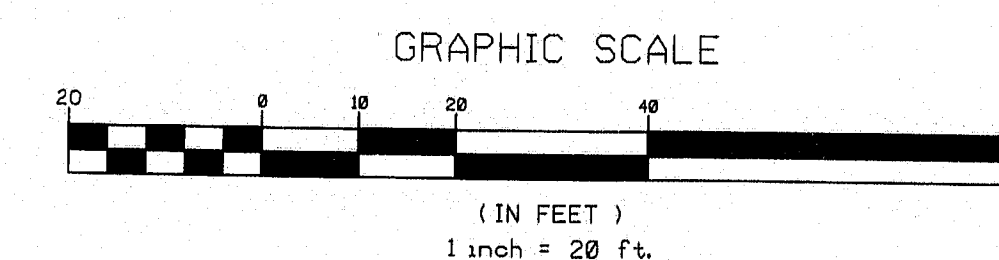
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	4	30

PIN 005508.00



LANDSCAPE SCHEDULE		
STATIONING		PLANT DESCRIPTION
10+80 L - 11+00 L	9	PRIVET
11+05 R - 11+15 R	3	PRIVET
11+30 L - 11+40 L	2	LILAC, TRANSPLANTED
11+20 R - 11+30 R	5	GREEN ASH
11+30 R - 11+45 R	6	WHITE SPRUCE
11+55 L	3	WHITE SPRUCE, 1 GINKGO
11+90 L - 12+20 L	5	WHITE SPRUCE
12+05 L - 12+30 L	5	GREEN ASH
12+25 L - 12+45 L	3	RED MAPLE
12+15 R - 12+35 R	2	RHODODENDRON, TRANSPLANTED

PLANT MATERIAL STATIONING IS APPROXIMATE ONLY. PLANTING LOCATIONS SHALL BE ESTABLISHED IN THE FIELD BY A LANDSCAPE ARCHITECT FROM THE CES/LANDSCAPE DIVISION OF MDT.



EXISTING UTILITIES

CENTRAL MAINE POWER
CASCO CABLE TV
NYNEX
SEWER
WATER
MAINE DOT RAILROAD

WARNING SIGN BLACK ON YELLOW
w/ Steel U-Channel Post.
Sta. 12+25.25+ 12' Rt.

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 Hammond Street
Bangor, Maine 04401

119-90

FIELD SURVEY BOOK NO. 11960

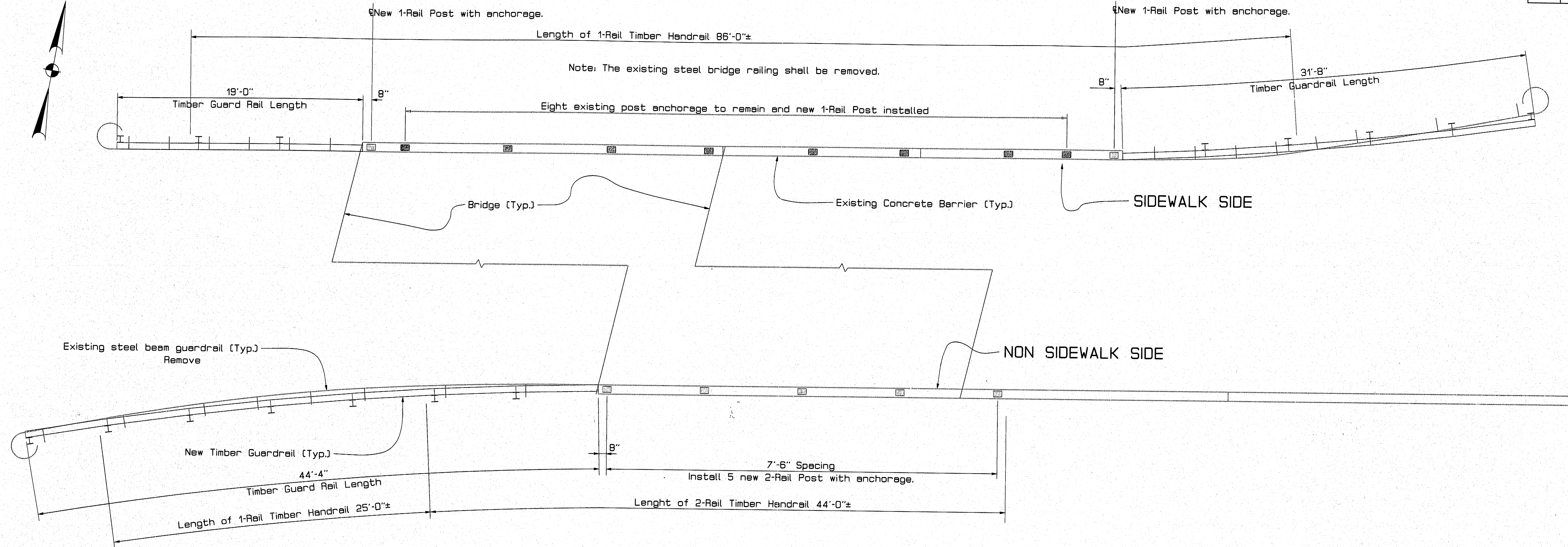
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
GENERAL PLAN

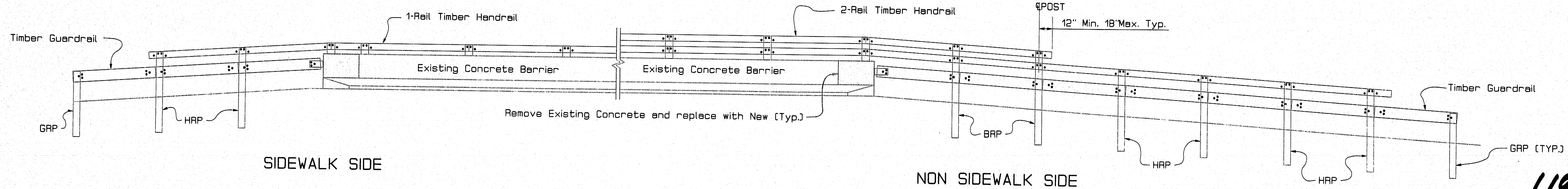
SHEET 4 OF 30 AUGUSTA, MAINE

P.I.N. 005508.00

F.M.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			



PLAN OF GUARDRAIL AND BARRIER



ELEVATION OF GUARDRAIL AND BARRIER

PROJECT DESIGN ENGINEER	DATE
BY L.A. Wilson	2/97
DESIGN-DETAILED	
CHECKED	
FIELD CHANGES	

14FEB99-0-00000
RAILING

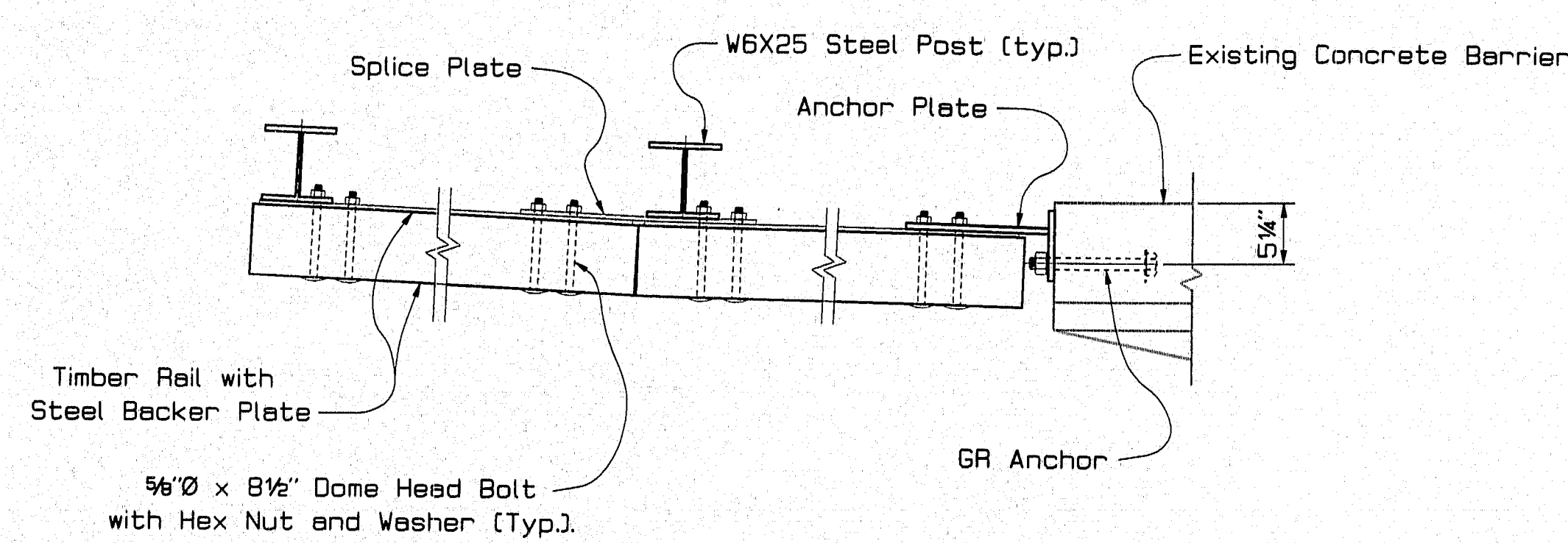
119-91

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

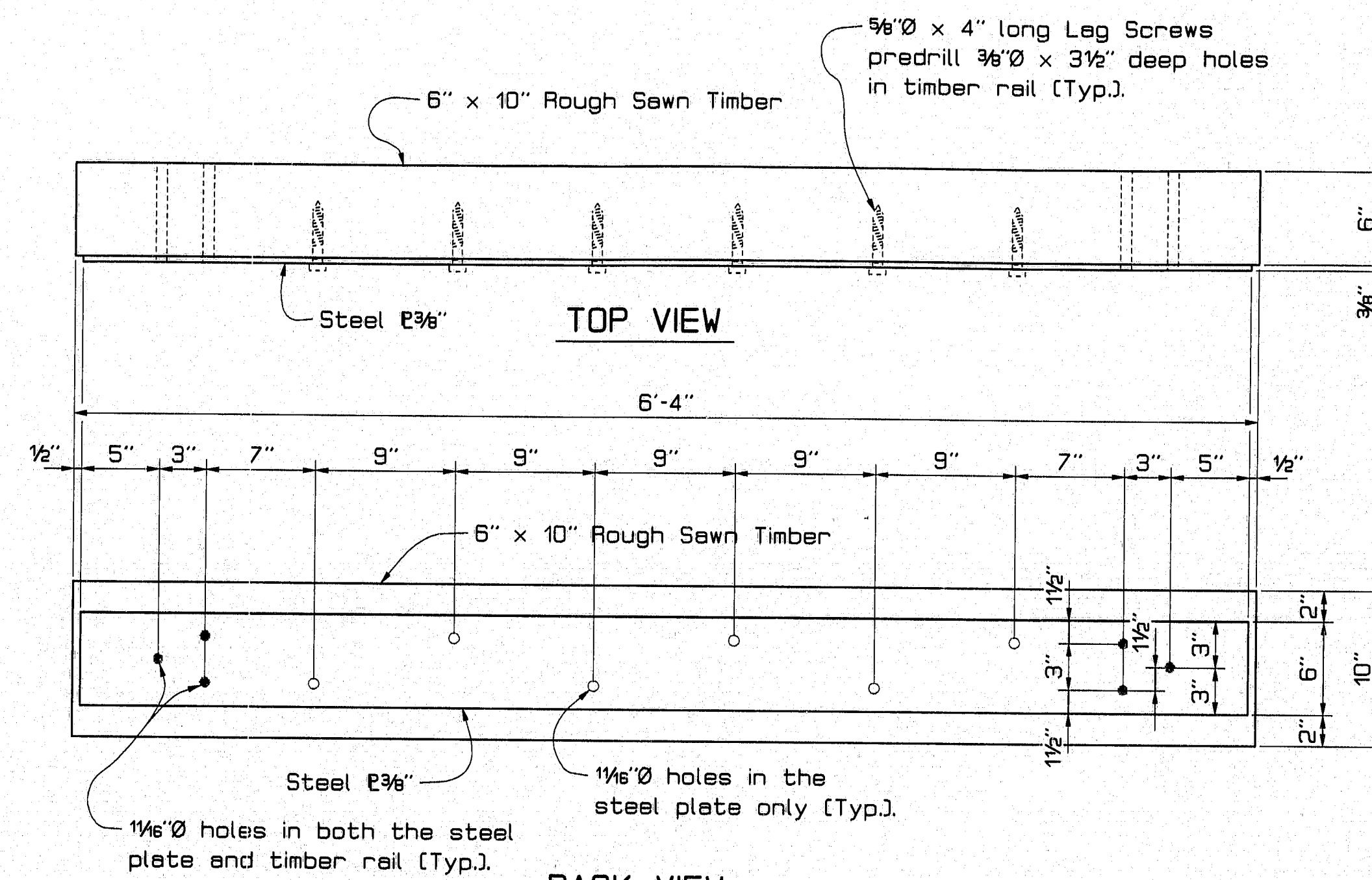
WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
TIMBER RAILING

P.J.N. 005508.00

F.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

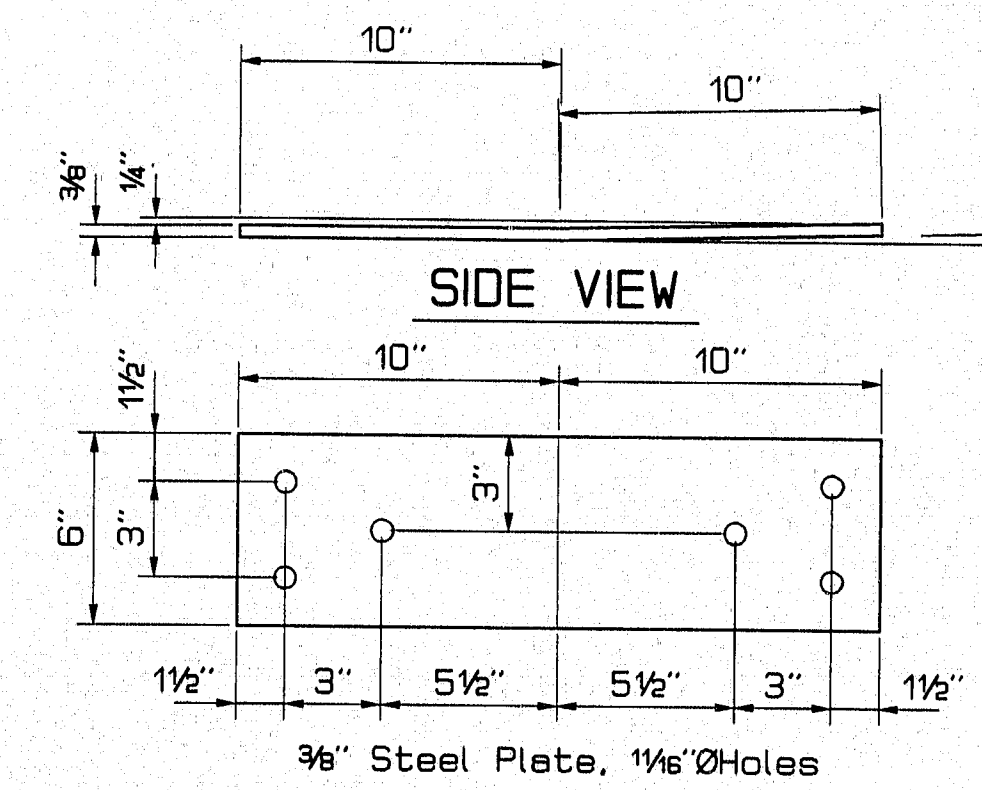


PLAN TIMBER GUARDRAIL SYSTEM
Handrail not shown

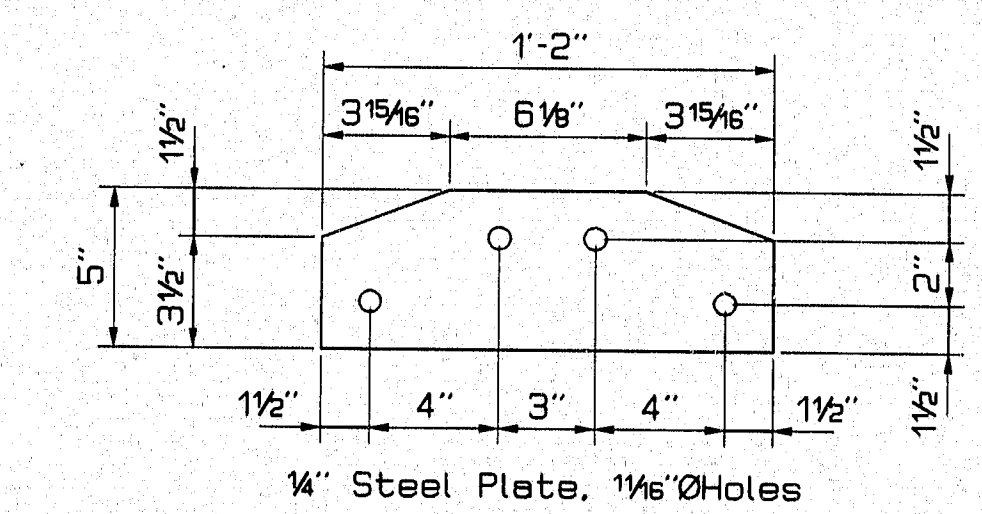


BACK VIEW

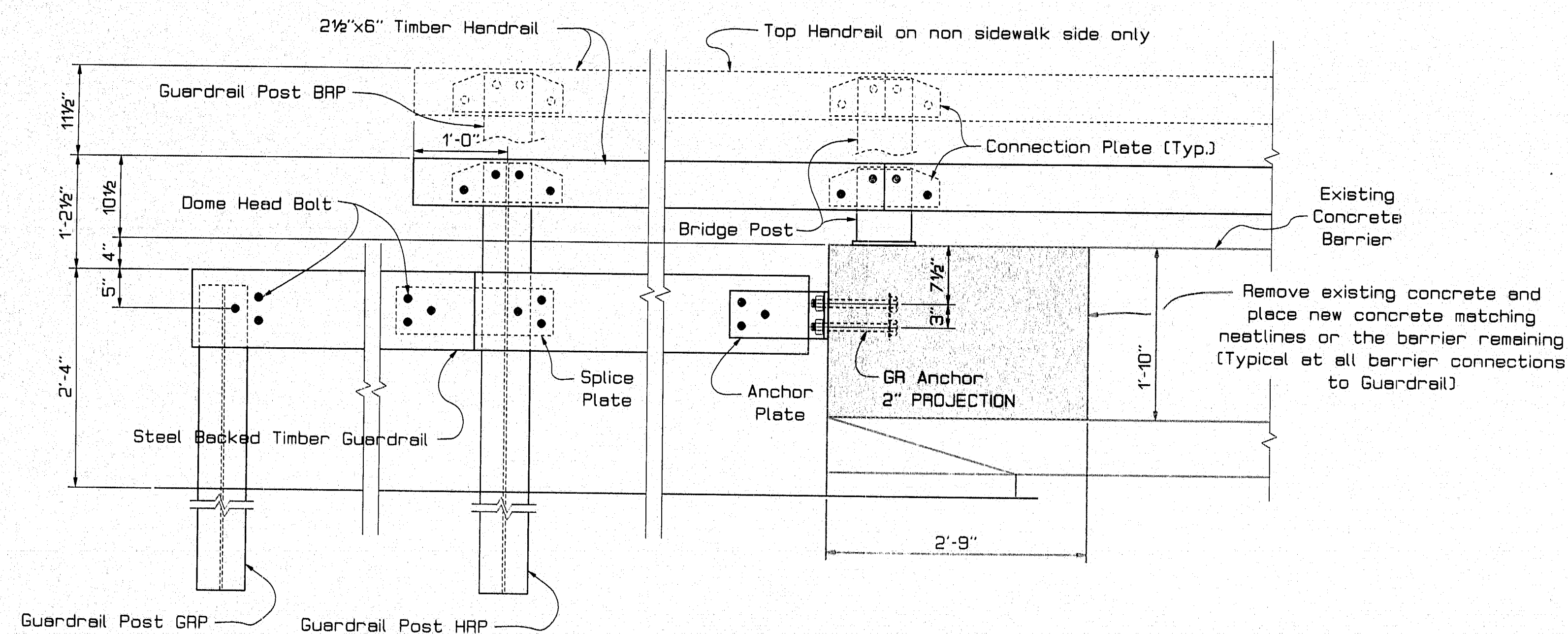
STEEL BACKED TIMBER GUARDRAIL



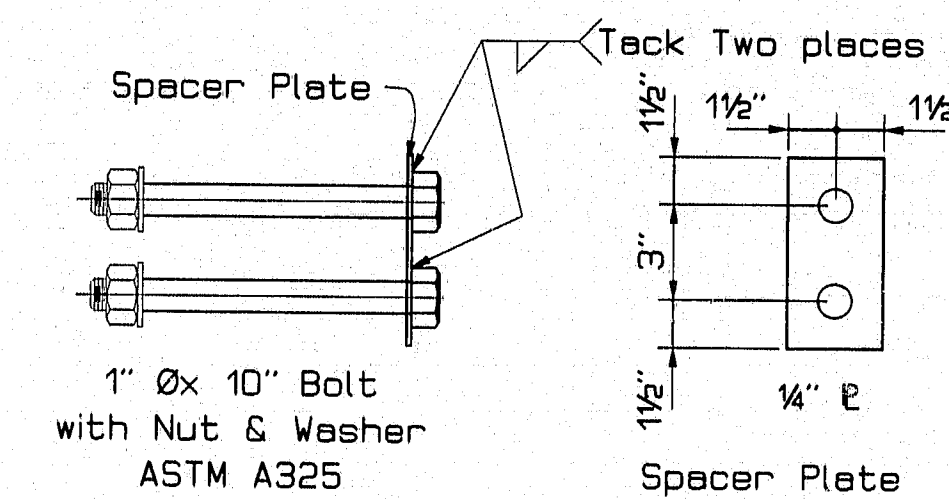
SPICE PLATE DETAILS



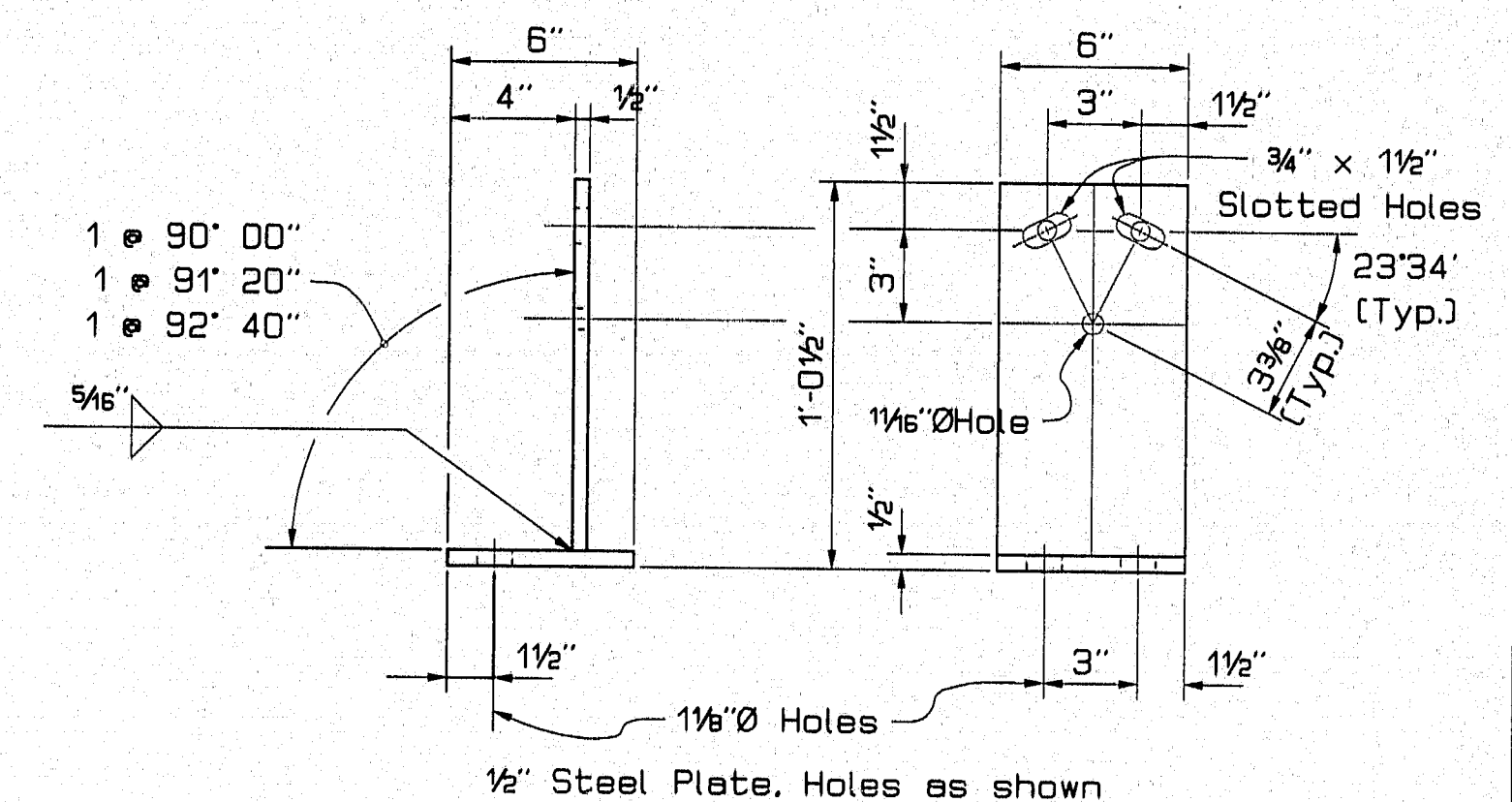
CONNECTION PLATE DETAILS



ELEVATION TIMBER GUARDRAIL SYSTEM



GR ANCHOR DETAILS



ANCHOR PLATE DETAILS

PROJECT DESIGN ENGINEER	DATE
BY	2/7/97
DESIGN DETAIL	
REVISIONS	
FIELD CHANGES	

14E559B-01.00.00
RAILING

119-92

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
TIMBER RAILING



4FEB98-01.00.00
RAILING2

119-93

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
TIMBER RAILING

SHEET 3 OF 4 AUGUSTA, MAINE March 9

P.I.N. 005508.00

F.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

- N O T E S -

1. Reinforcing Steel shall have a minimum concrete cover of $1\frac{1}{2}$ ".

2. Structural Concrete shall be Class A with silica fume added. The silica fume additive shall be considered included in the cost for the Class a concrete.

3. Edges of the concrete removal areas shall be saw cut $\frac{1}{4}$ " deep. All existing concrete surfaces to be in contact with the new concrete shall be thoroughly saturated with water, after which a thin layer of neat cement paste shall be applied just prior to placing the new concrete.

4. The timber guardrail backer plates and splice plates shall meet the requirements of AASHTO M 270 Grade 50 (ASTM A 709 Grade 50). All other steel shall meet the requirements of AASHTO M 270 Grade 36 (ASTM A 709 Grade 36). Bolts and Anchor Studs shall meet the requirements of ASTM A 449.

5. All new steel shall be galvanized to the requirements of AASHTO M 111 (ASTM A 123) and AASHTO M 232 (ASTM A 153) as applicable, break edges prior to galvanizing. All galvanized surfaces shall be prepared for application of a color coating.

All plates except for the spacer plates shall be factory color coated by a process such as offered by COLORGALV, coating #RT-1404 brown, or an equivalent process and color. The color coating shall be applied according to the manufacturer's specifications

The head and $1\frac{1}{2}$ " of the shaft of the dome head bolts shall also be factory color coated as above. All the remaining hardware, nuts, washers, anchor bolts, Etc., shall be galvanized as specified above and prepared for field application of matching color coating to all exposed parts. Materials and specifications for field coat application, shall be supplied by the coating manufacturer.

6. The $\frac{3}{8}$ " Type II Anchors, spaced as shown on the plans, Shall have an unconfined pullout strength in 3000 psi concrete of 32 Kips. The projection of the anchors above the concrete shall be $1\frac{1}{2}$ " and the minimum embedment length shall be 8".

7. The anchoring material shall be one of the products listed on the Maine Department of Transportation list of prequalified Type II anchoring material. Installation shall be in conformance with the manufacturer's recommendations.

8. The Steel Backed Timber Guardrail shall be installed to form a straight line along its top from end to end of each continuous section.

9. Bridge Rail post shall be set normal to grade, and at least one preformed pad shall be place under each post.

10. All timber shall be Structural Grade Southern Pine or Douglas Fir. Manufacture, grading and quality control of the structural timber shall be in accordance with AASHTO M 168 Wood Products.

11. The perservative used for the structural timber shall be either Chromated Copper Asernate, Ammoniacal Copper Zinc Arsenate, or Ammoniacal Copper Arsenate applied in accordance with the requirements of AASHTO M 133. All timber shall be dried to a moisture content of 19 percent or less after treatment.

12. All Timber dimensions shown are actual sizes dressed 4 sides with $\frac{3}{8}$ " radius corners and free of splinters.

The 8"x10" Guardrail Timber shall be dressed, precut and predrilled before treatment. The timber handrail shall be dressed before treatment and delivered to the project in Twelve(12) 16'-0" lengths.

13. The timber handrails shall be cut to length and holes drilled to fit, in the field. Field cuts and holes shall be treated with two heavy coats of Cromated Copper Arsenate applied with a brush or sprayer. Each handrail length shall be attached to a minimum of three post.

14. The existing steel beam guardrail and bridge railing will remain the property of the Department.

DESIGN-DETAILLED	DATE
CHECKED	2/97
REVISIONS	
FIELD CHANGES	
PLANS	

14FEB99-010000
RAILING3

119-94

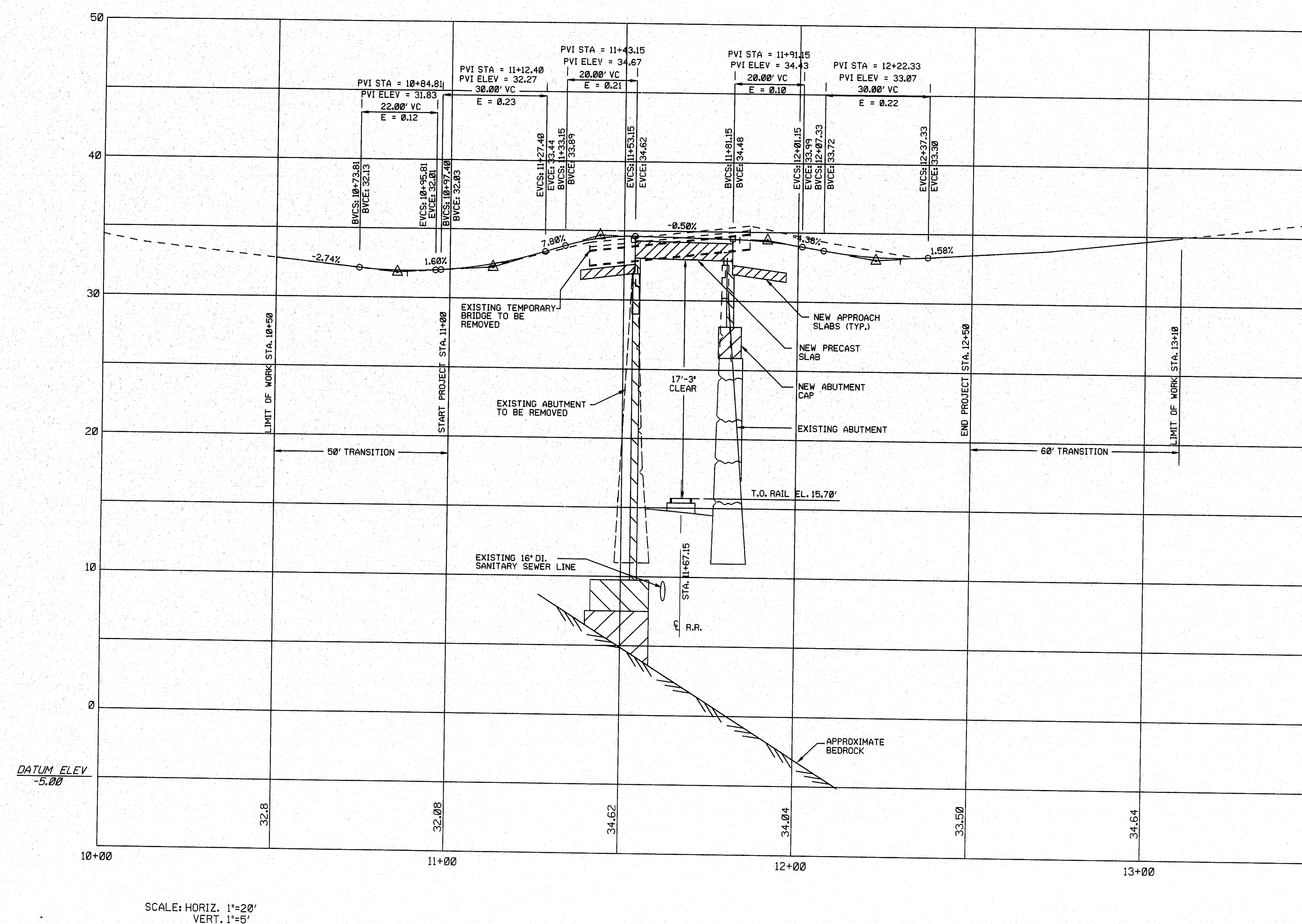
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGADAHOC COUNTY
TIMBER RAILING

SHEET 4 OF 4 AUGUSTA, MAINE March 97

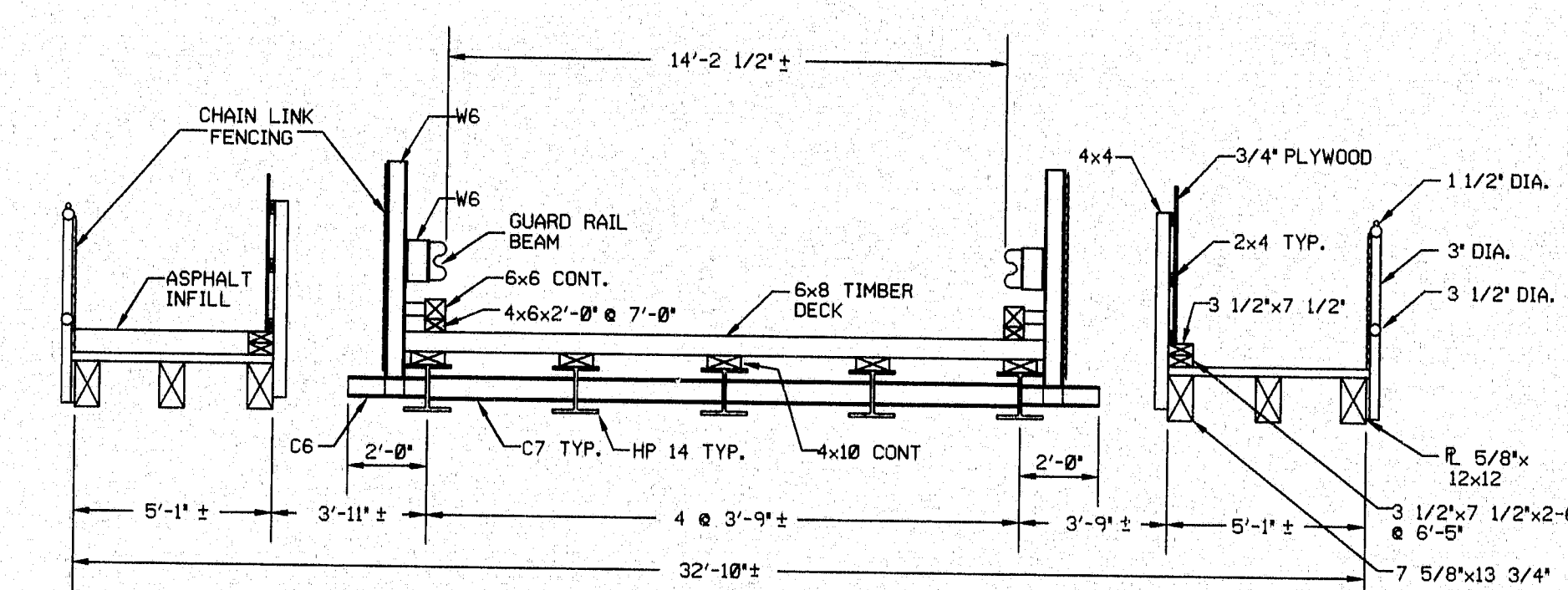
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	5	30

PN 005508.00



SCALE: HORIZ. 1"=20'
VERT. 1"=5'

PROFILE
CENTERLINE OF CONSTRUCTION



EXISTING BRIDGE SECTION

119-95

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
PROFILE &
EXISTING BRIDGE SECTION
SHEET 5 OF 30 AUGUSTA, MAINE

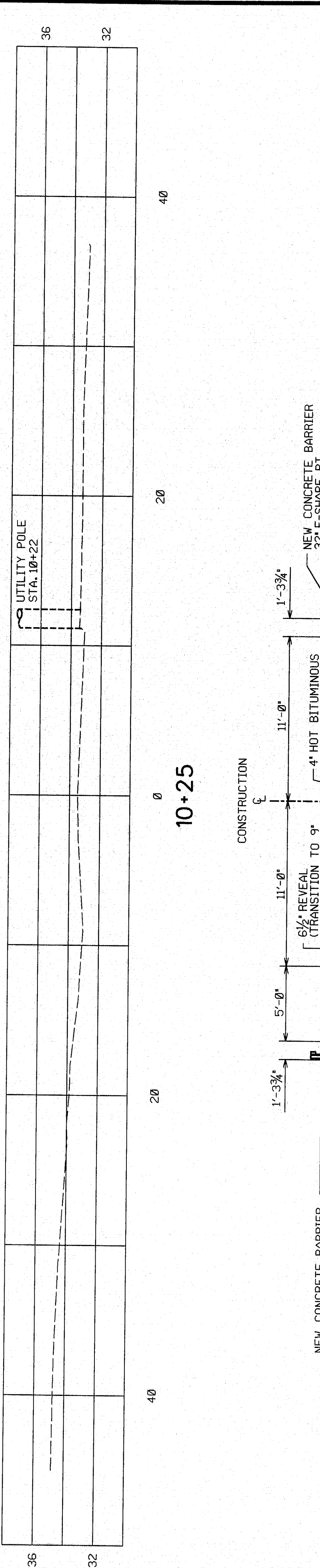
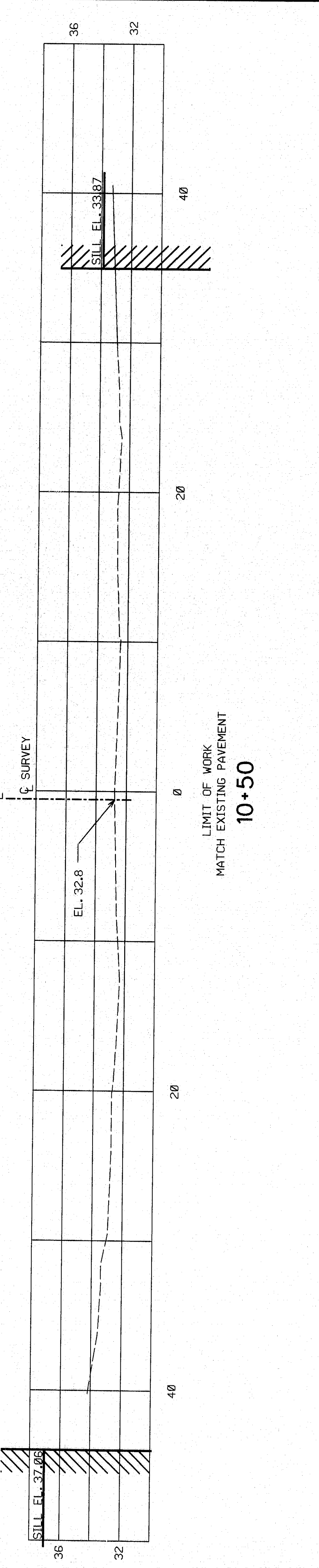
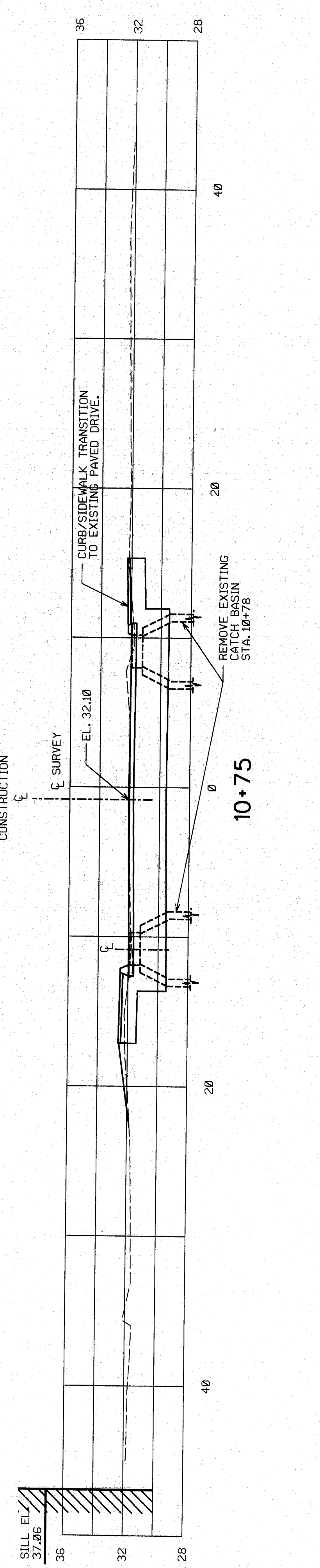
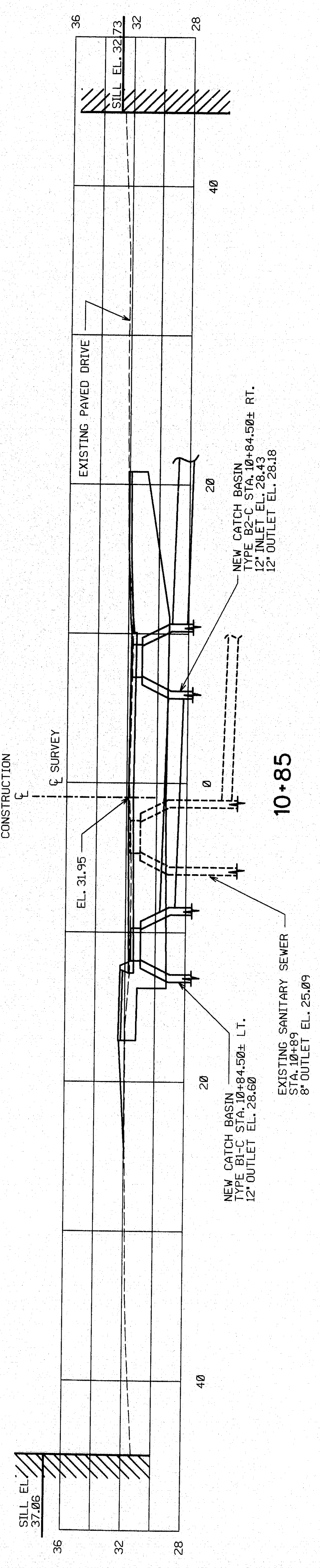
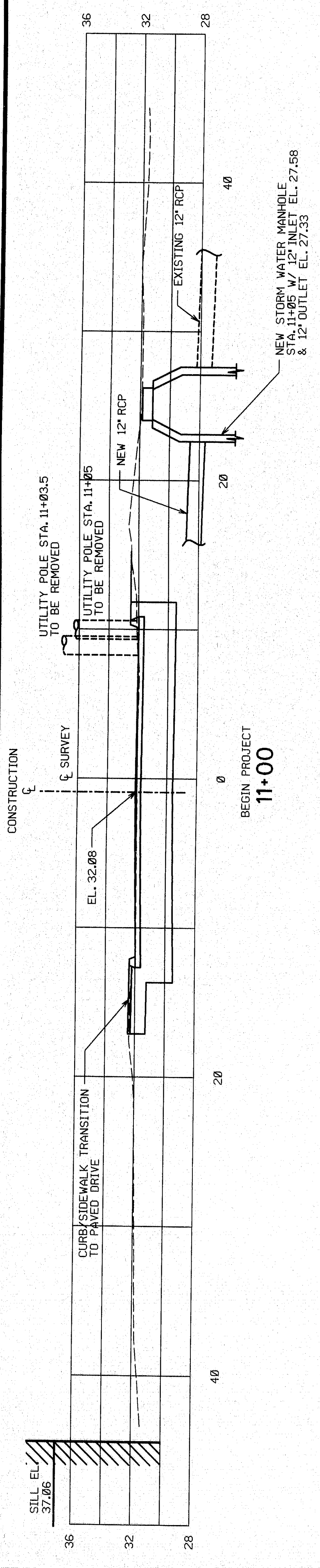
AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
124 WARD STREET
BANGOR, MAINE 04401

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	JRM	8-27-95
CHECKED	JRM	8-29-95
REVISIONS		
FIELD CHANGES		

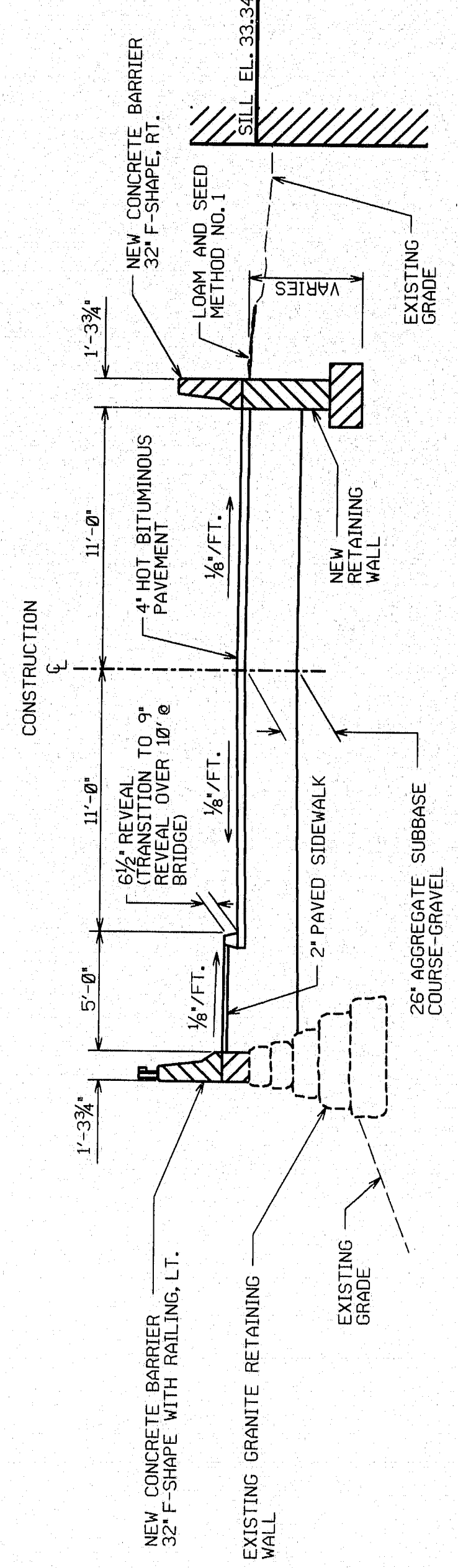
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PROJECT DESIGN REVISIONS			
NO.	DATE	BY	REASON
1	6-15-96	VLH	DESIGN REVISIONS
2	6-29-96	JKM	FIELD CHANGES

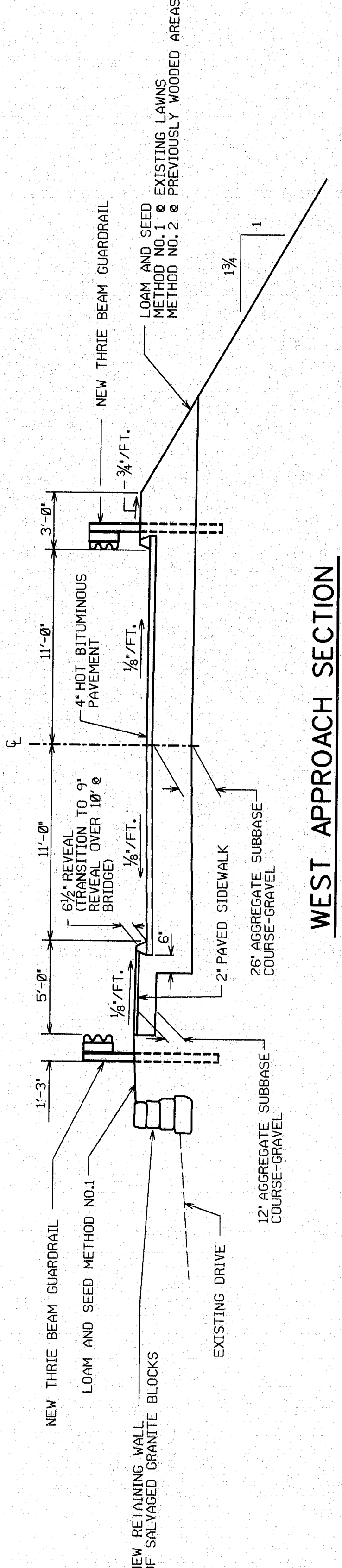
CONS: PAVEMENT, SIDEWALK, DRIVE



EAST APPROACH SECTION



WEST APPROACH SECTION



119-96

BATH, WINTER STREET
STA. 10+25 TO STA. 11+00

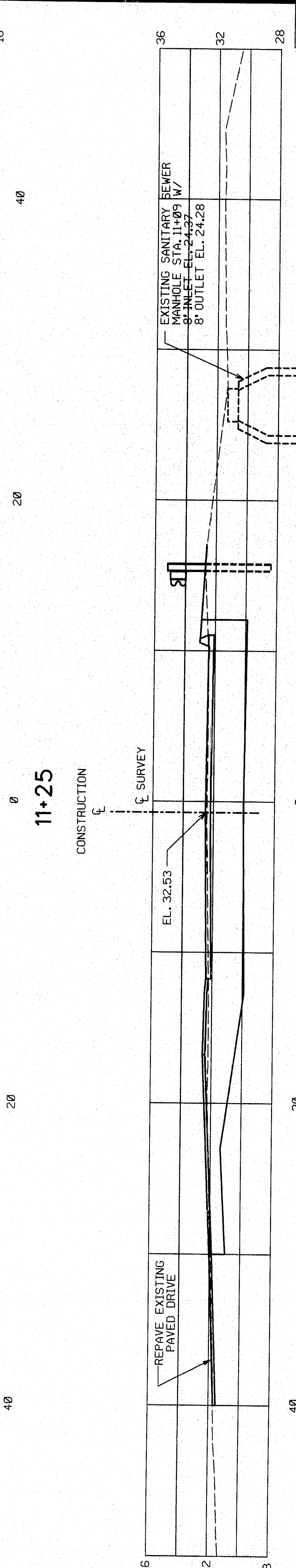
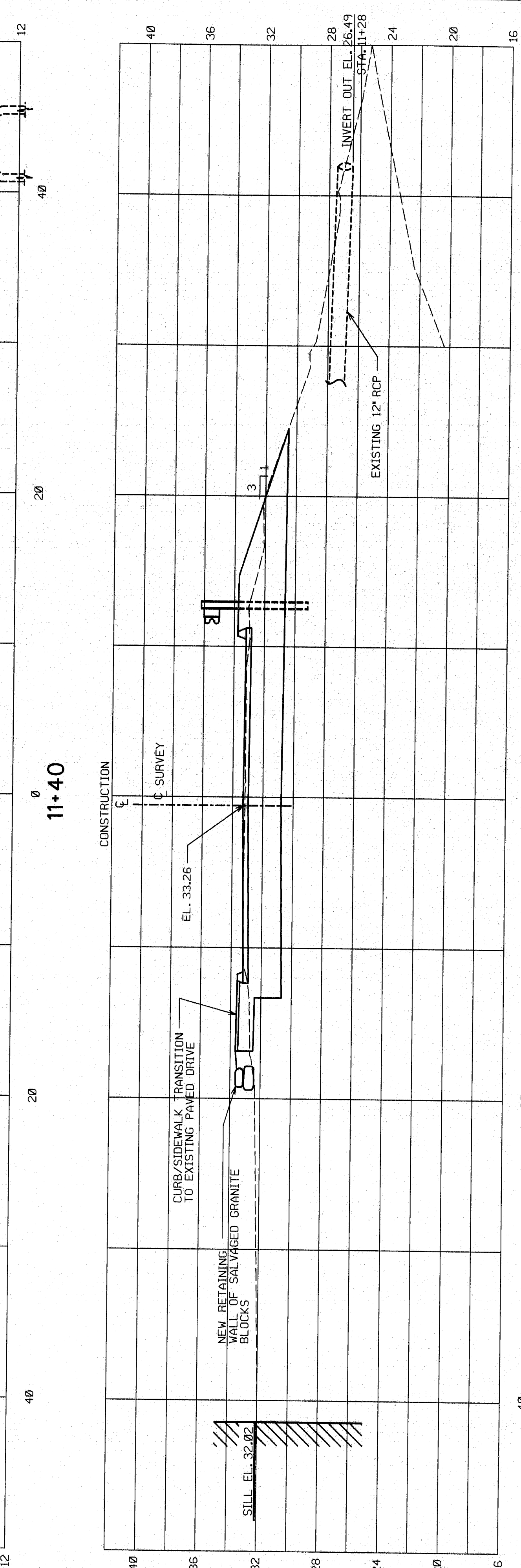
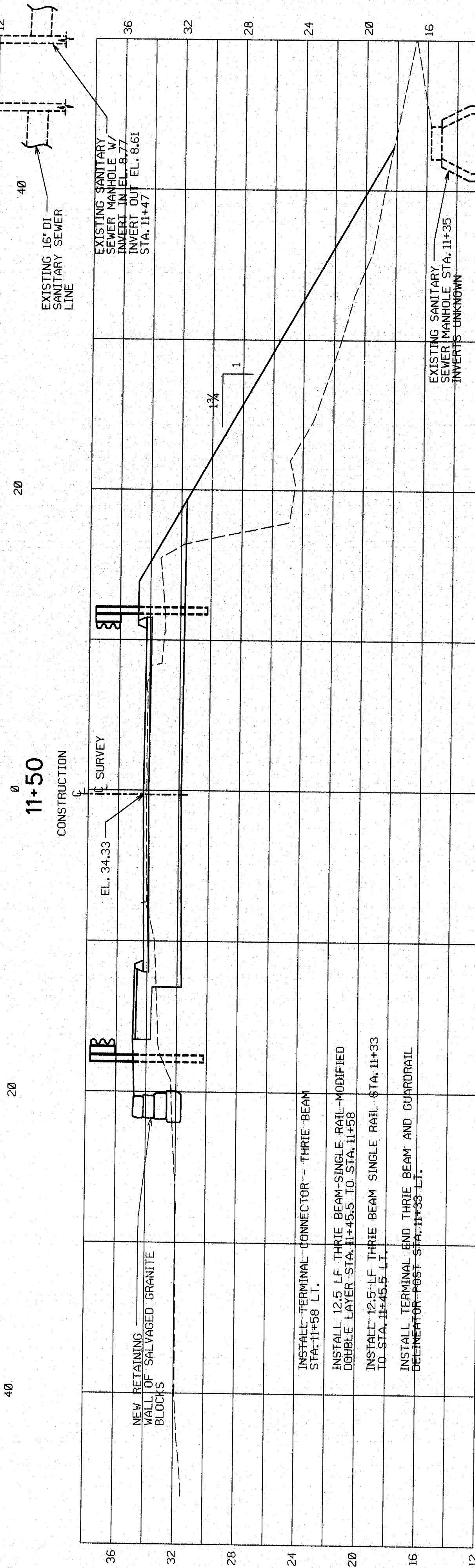
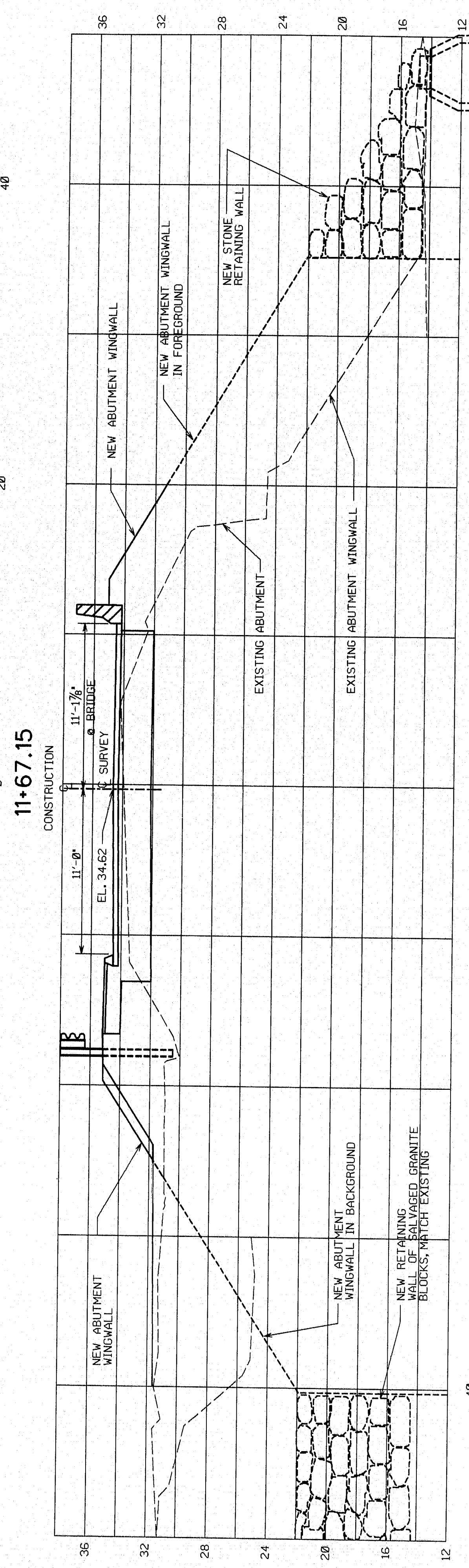
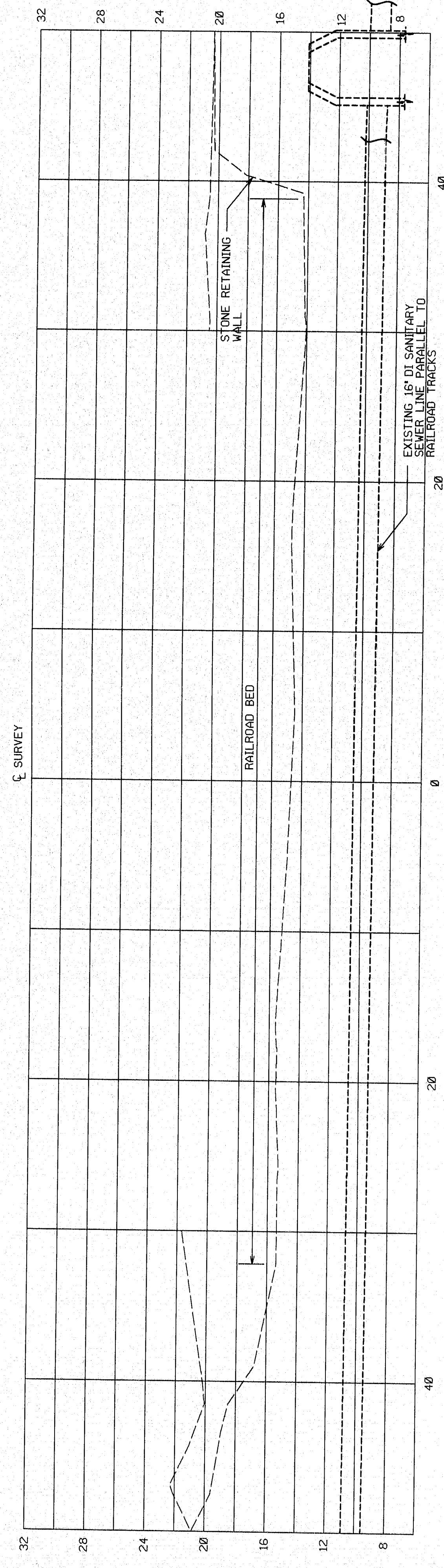
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	6	30

PIN 005508.00

PROJECT DESIGN NUMBER		DATE
DESIGN DETAIL	BY	6-23-97
REVISIONS	JKM	6-23-97
FIELD CHANGES		

PLANS

EXISTATION 10/20/97 10/20/97



F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	7	30

PN 005508.00

INSTALL - TERMINAL CONNECTOR - THREE-BEAM - STA. 11+67.15 RT.

INSTALL - THREE-BEAM SINGLE RAIL-MODIFIED DOUBLE LAYER STA. 11+38.25 TO STA. 11+50.75 RT.

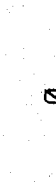
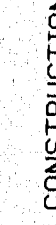
INSTALL - THREE-BEAM - TRANSITION STA. 11+38.25 TO STA. 11+50.75 RT.

INSTALL - BREAKAWAY-CABLE - TERMINAL WITH 25 LF TYPE-3 GUARDRAIL STA. 11+07 TO 11+32.00 RT.

INSTALL DELINEATOR POST STA. 11+07 RT.

119-97

BATH, WINTER STREET
STA. 11+13 TO STA. 11+67.15

C:\STATION\NGN\93\2\ROADWAY\X.DGN

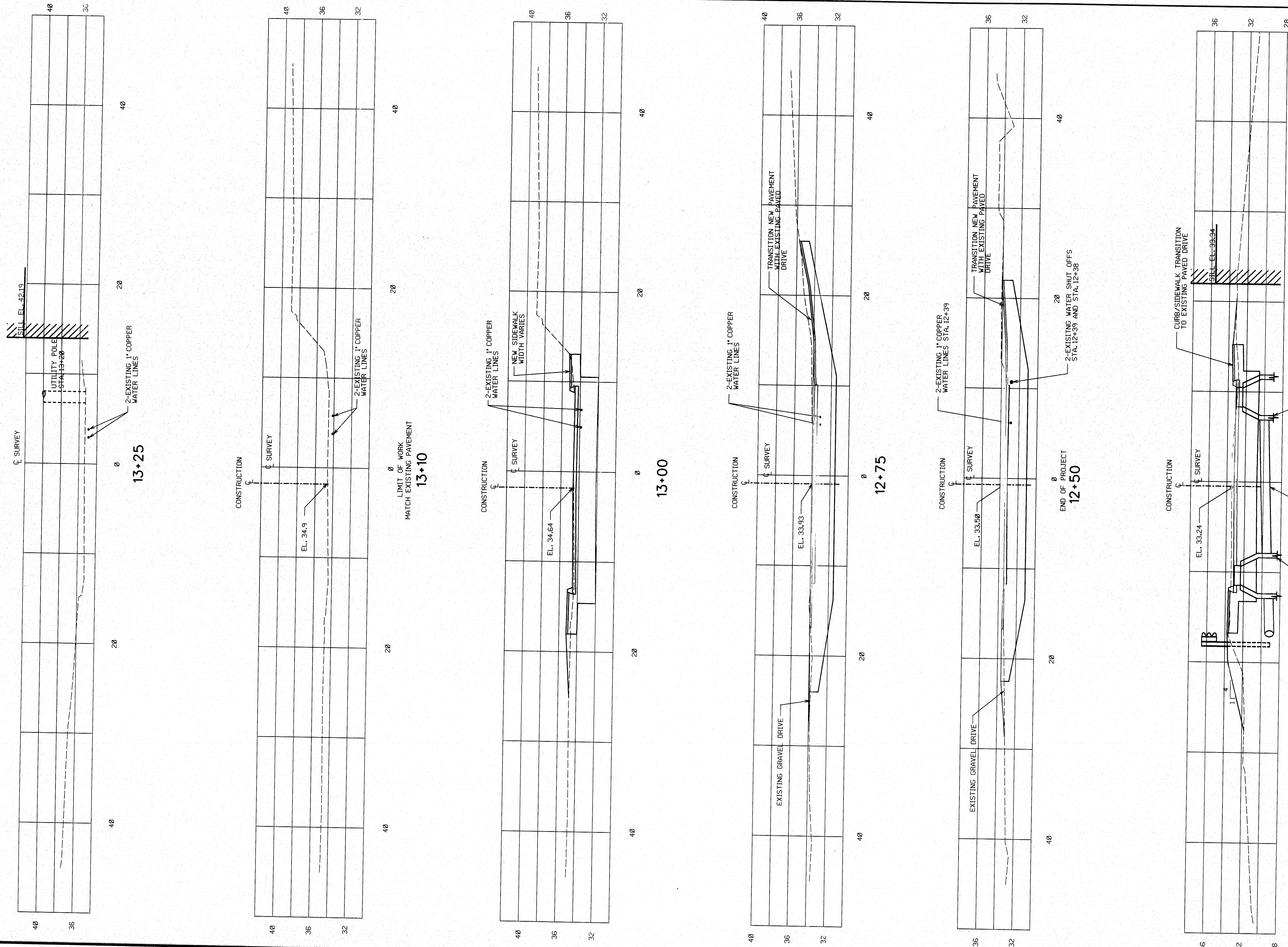
BATH, WINTER STREET
STA. 11+80 TO STA. 12+25

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	8	30
		PIN 005508.00		

PROJECT DESIGNER	BY	DATE
DESIGN-DETAILED	VLH/JRM	6-16-95
CHECKED	JRM	6-23-95
FIELD CHANGES		

PLANS

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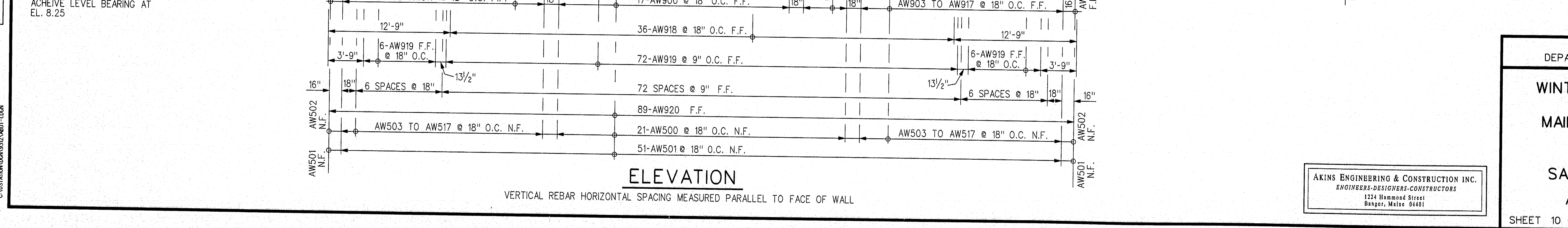
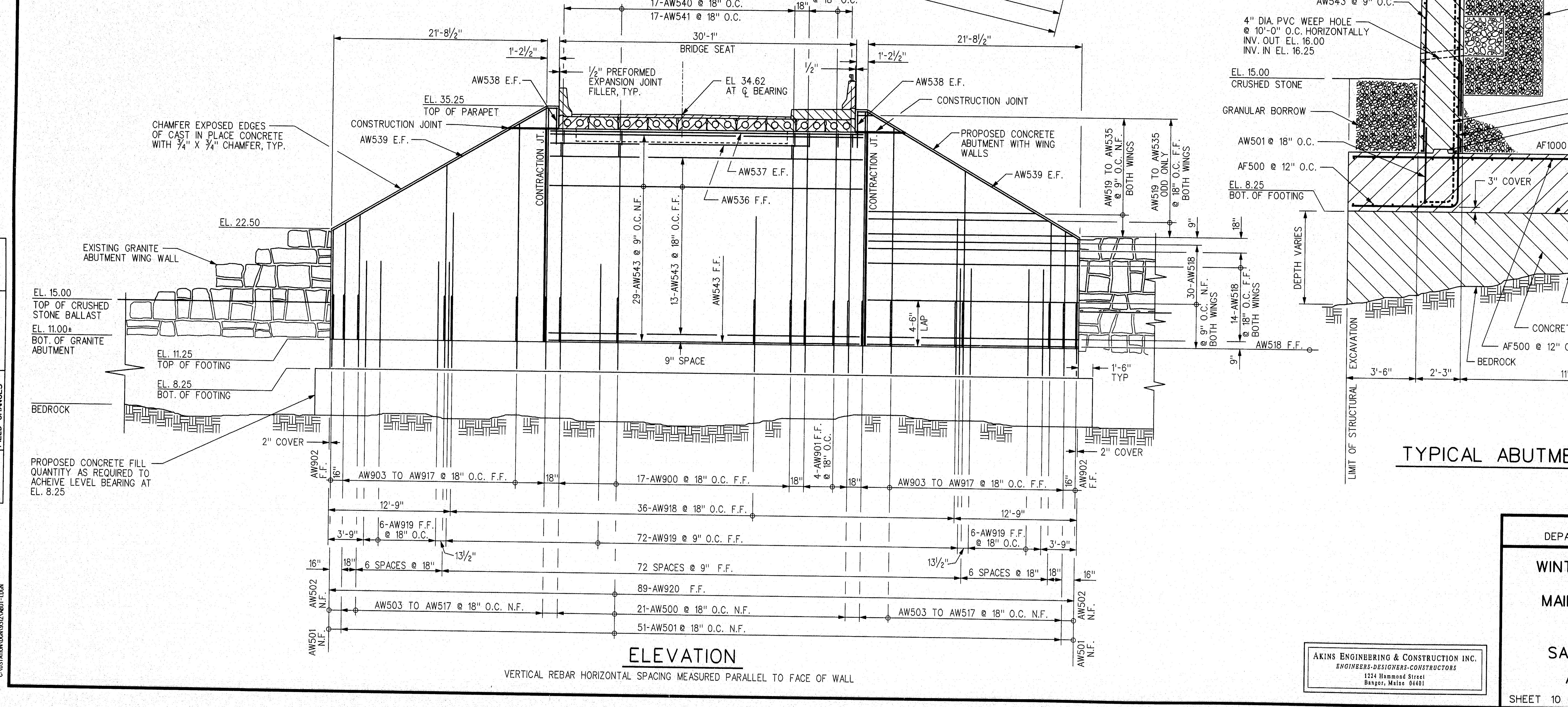


REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508000X	9	30

PIN 005508.00

119-99

BATH, WINTER STREET
STA. 12+29.38 TO STA. 13+25

[illegible]

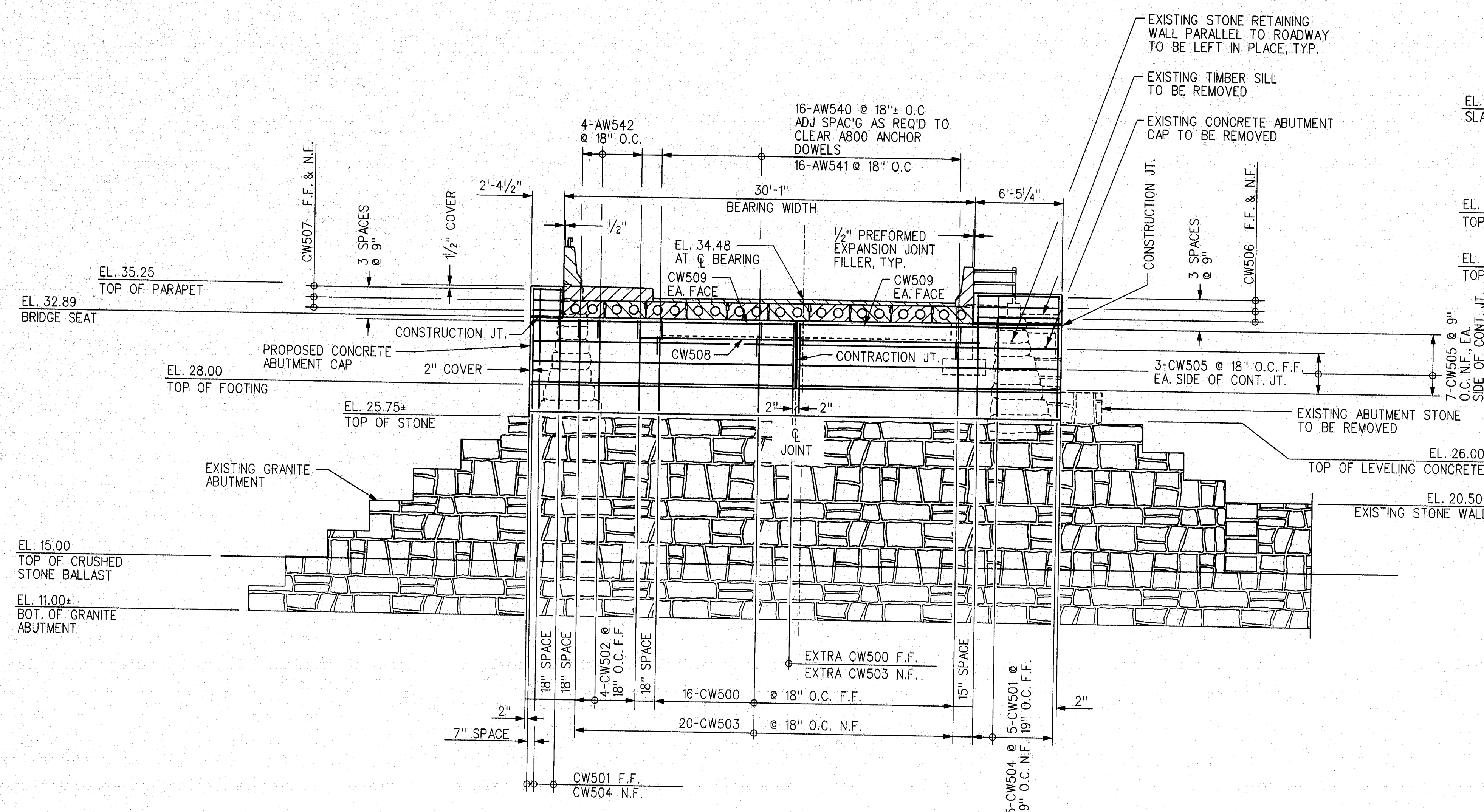
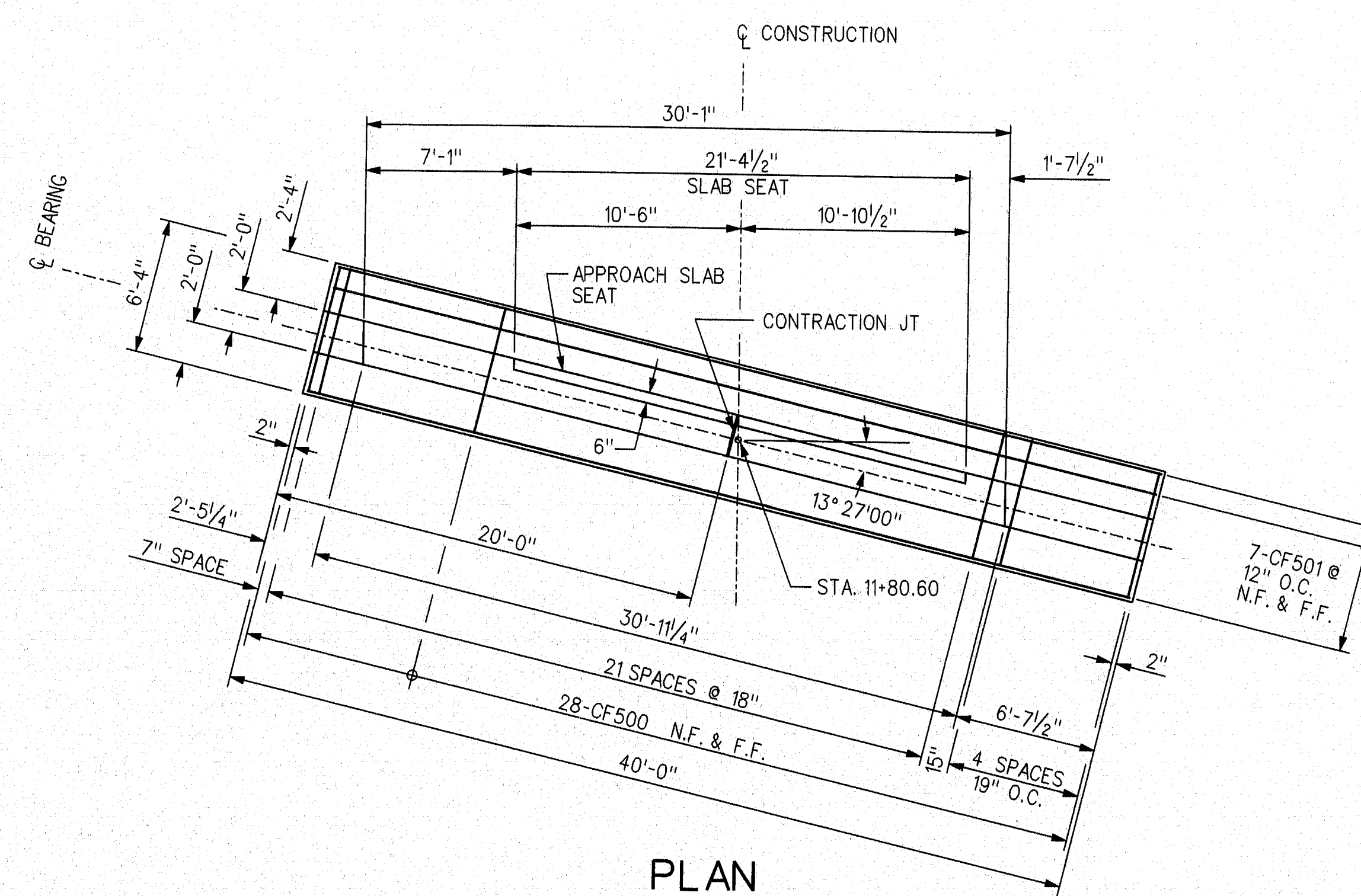
119-100

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
ABUTMENT 1

SHEET 10 OF 30 AUGUSTA, MAINE

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 Hammond Street
Bangor, Maine 04401

PROJECT DESIGN ENGINEER		BY	DATE
DESIGN-DETAILED	VLH/JKM	VLH	6-16-95
CHECKED		JKM	6-29-95
REVISIONS			
FIELD CHANGES			



ABUTMENT NOTES

1. REINFORCING STEEL SHALL HAVE 2" OF COVER UNLESS OTHERWISE INDICATED.
2. COVER EXPANSION JOINTS ON THE BACKSIDE OF WALL WITH TWO LAYERS OF HEAVY ROOFING FELT.
3. PROTECTIVE COATING FOR CONCRETE SURFACES SHALL BE APPLIED TO THE FOLLOWING AREAS:

TOP OF ABUTMENT BACKWALLS AND 1'-0" BELOW TOP OF BACKWALLS ON THE BACK SIDE.
ALL EXPOSED SURFACES OF CONCRETE BARRIERS.
4. PLACE 4" DIAMETER DRAINS IN BREASTWALL AND WINGS AT 10'-0" O.C. MAXIMUM HORIZONTAL SPACING. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
5. MAXIMUM CALCULATED FOOTING PRESSURE IS 3.6 TONS/SQUARE FOOT AT TOE OF ABUTMENT 1. THIS IS BASED ON A FUTURE RAILROAD CLEARANCE REQUIREMENT OF 23'-0", (CORRESPONDING BRIDGE SEAT ELEVATION 38.78).
6. GRANITE FACING INSTALLED ON EXPOSED PORTIONS OF FOOTINGS.

TYPICAL ABUTMENT SECTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

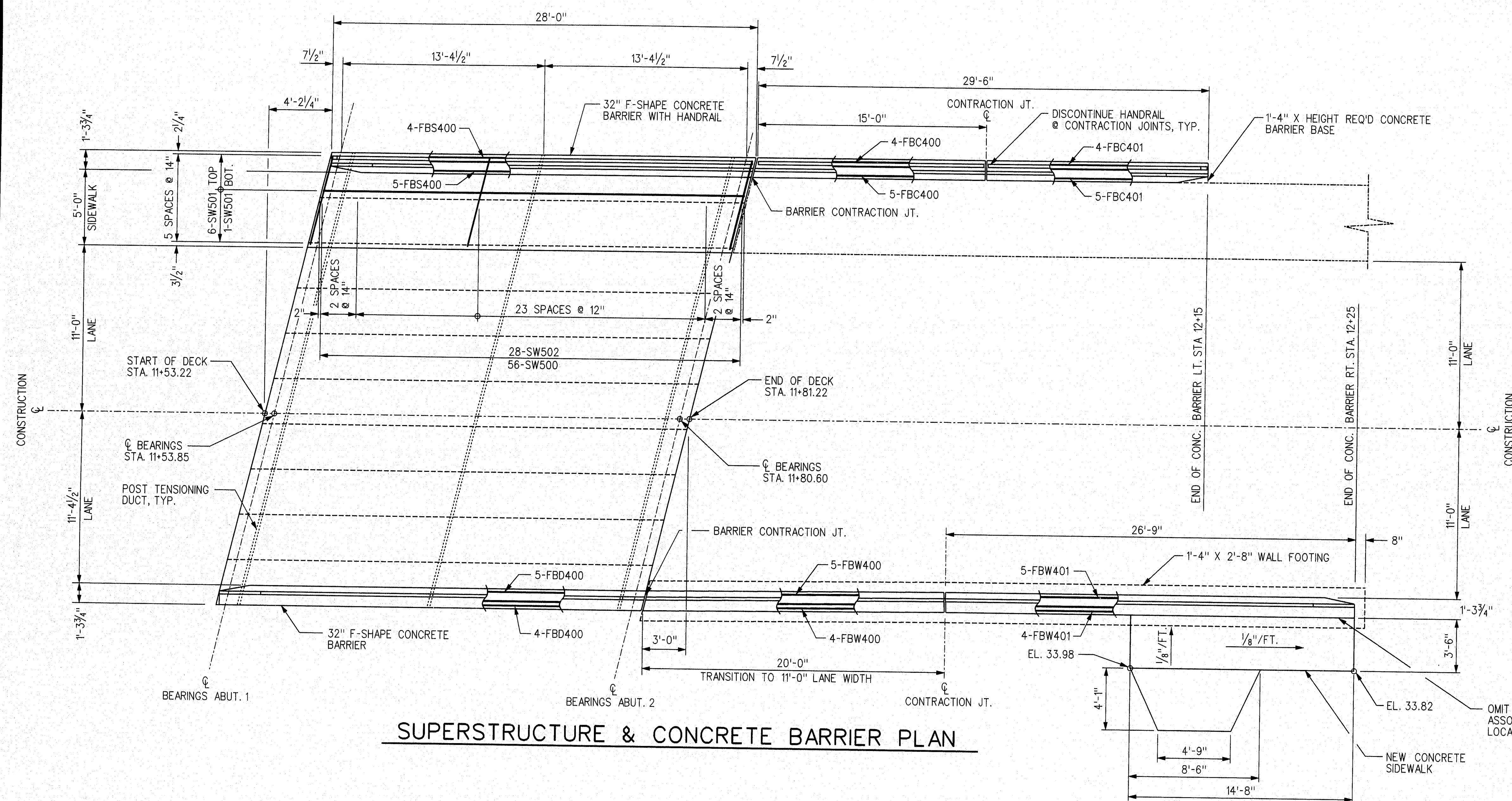
SHEET 11 OF 30 AUGUSTA, MAINE

F.R.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	12	30

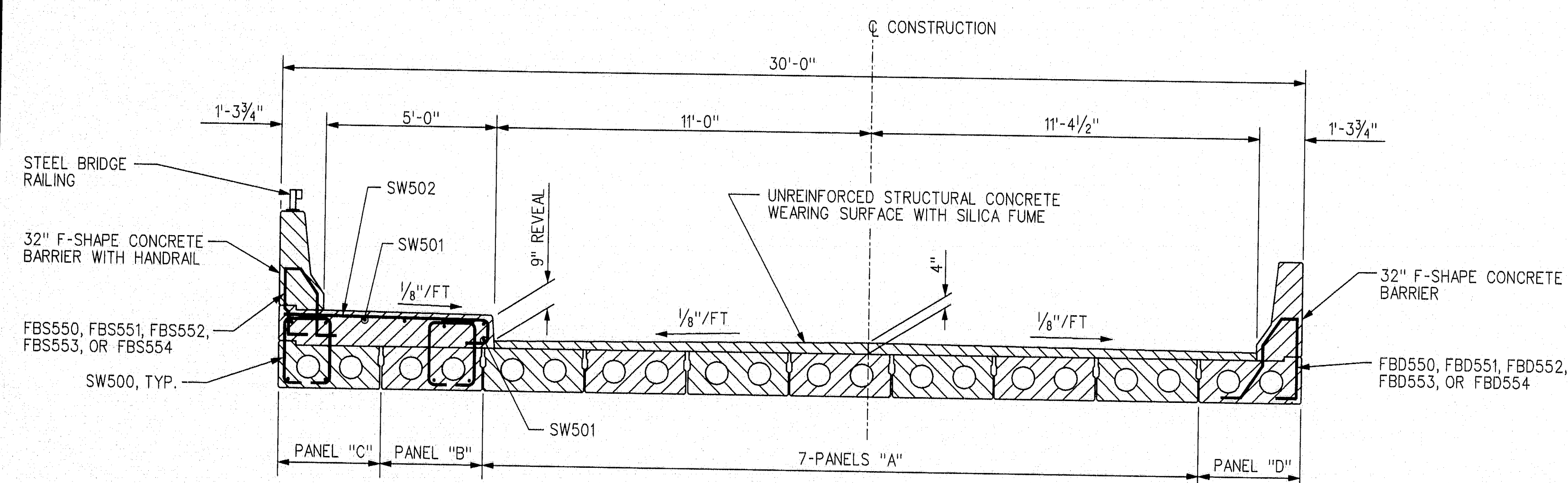
PN 005508.00

SUPERSTRUCTURE NOTES

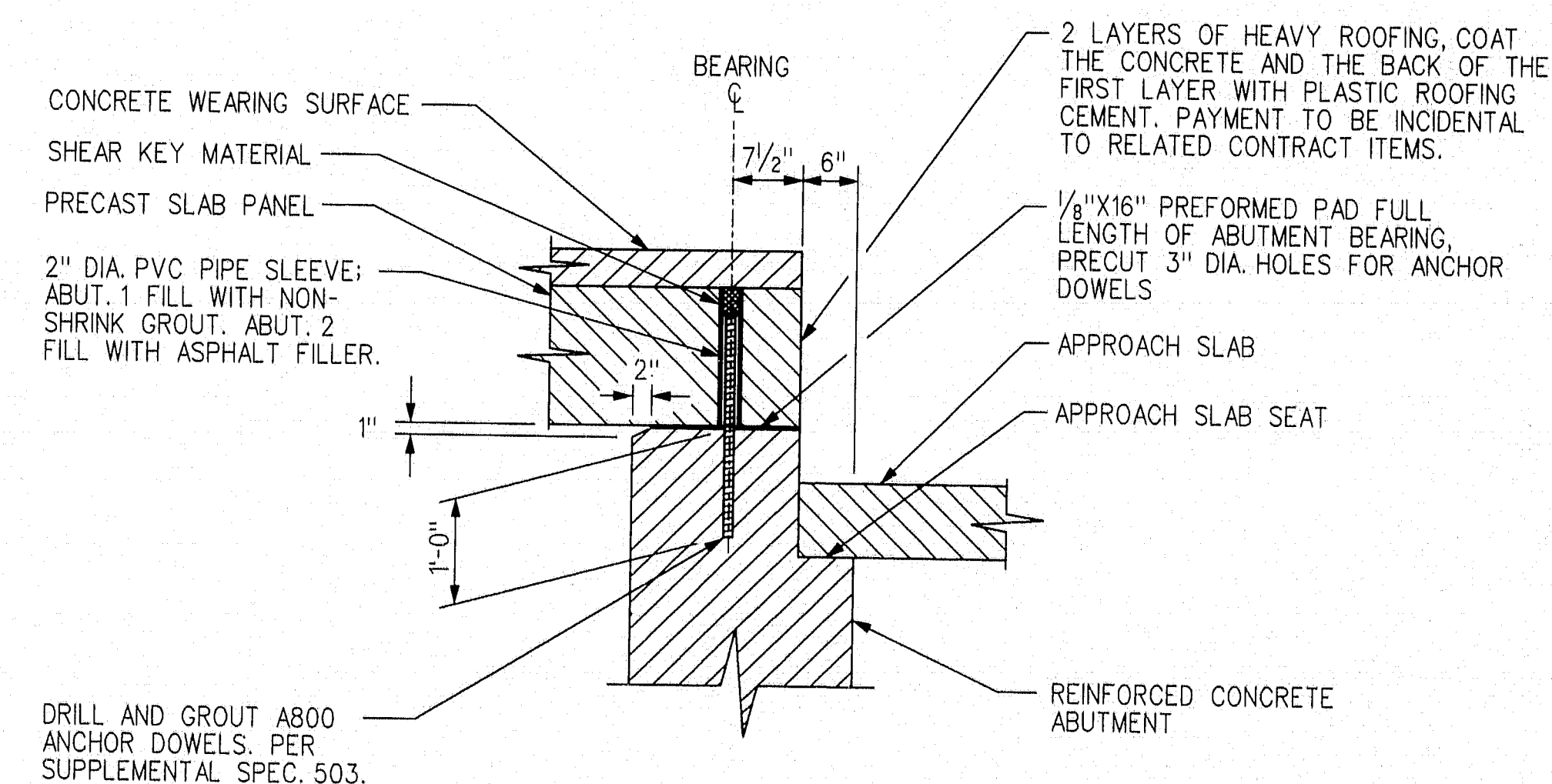
- FORM A 1" V-GROOVE ON THE FASCIAS AT THE HORIZONTAL JOINT BETWEEN THE CONCRETE BARRIER AND PRECAST CONCRETE SLAB.
- REINFORCING STEEL SHALL HAVE A MINIMUM COVER OF 2" UNLESS OTHERWISE INDICATED.
- PROTECTIVE COATING FOR CONCRETE SURFACES SHALL BE APPLIED TO THE FOLLOWING AREAS:
TOP & REVEAL OF CONCRETE SIDEWALKS ON & OFF BRIDGE.
FASCIA DOWN TO THE DRIP NOTCH.
ALL EXPOSED SURFACES OF CONCRETE BARRIERS.
CONCRETE WEARING SURFACE
- ALL CURB, SIDEWALKS ON & OFF BRIDGE, AND WEARING SURFACE CONCRETE SHALL CONTAIN A SILICA FUME ADDITIVE. THE CONCRETE BARRIER SHALL CONTAIN SILICA FUME ADDITIVE WHICH SHALL BE CONSIDERED INCIDENTAL TO THE BARRIER.
- PLACE SHEAR KEY MATERIAL AND POST-TENSION SLAB PER STD. SPECIFICATIONS SECTION 535.25.
- ABUTMENT, WING WALL, AND RETAINING WALL LEVELING BASE REBAR STEEL SHALL BE PAID FOR UNDER ITEMS 503.12 AND 503.13.
- PRECAST SLAB AND CONCRETE BARRIER REBAR IS INCIDENTAL TO RESPECTIVE ITEMS.
- PREPARATION OF PRECAST DECK FOR INSTALLATION OF WEARING SURFACE SHALL BE IN ACCORDANCE WITH ITEM 502.11(G) OF THE STANDARD SPECIFICATIONS.
- DRILL AND GROUT A800 ANCHOR DOWELS AFTER THE PRECAST SLAB PANELS HAVE BEEN PLACED.



SUPERSTRUCTURE & CONCRETE BARRIER PLAN



BRIDGE CROSS SECTION



TYPICAL DECK BEARING AT ABUTMENT

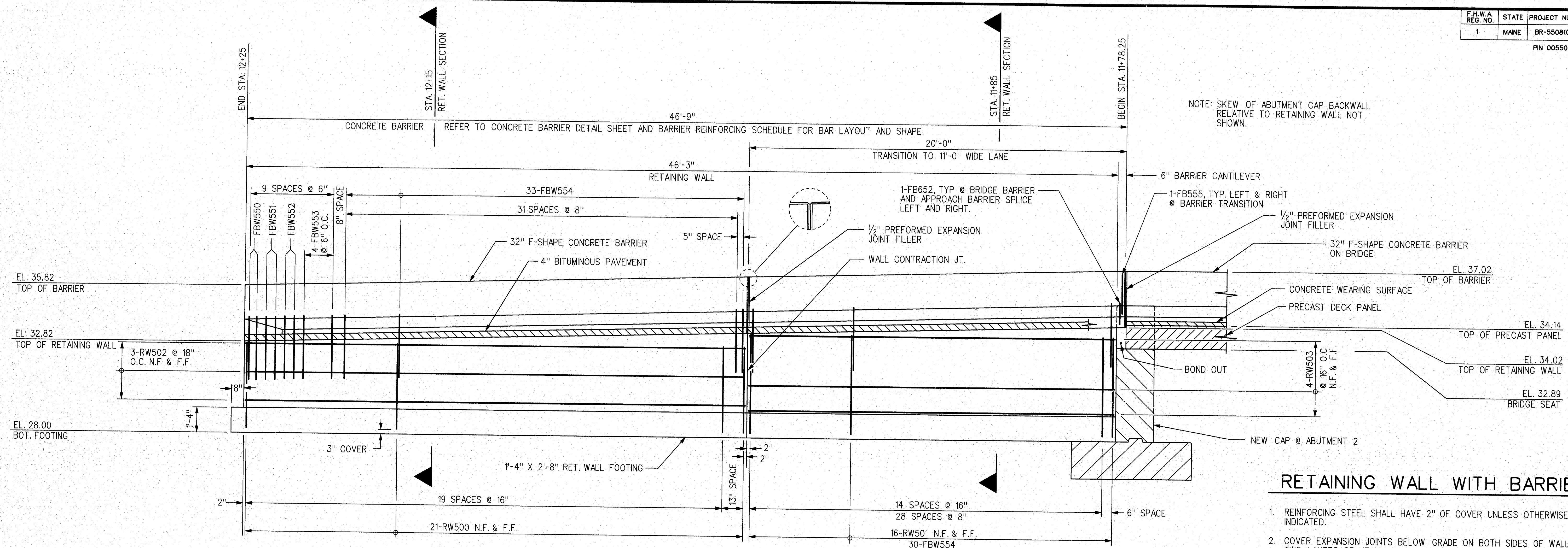
PROJECT DESIGN ENGINEER	DATE
DESIGN-DETAILED	6-16-95
REVISIONS	6-25-95
FIELD CHANGES	

CONSTRUCTION SUPERVISION

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 Hammond Street
Bath, Maine 04401

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
SUPERSTRUCTURE PLAN
SHEET 12 OF 30 AUGUSTA, MAINE

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	13	30
PIN 005608.00				

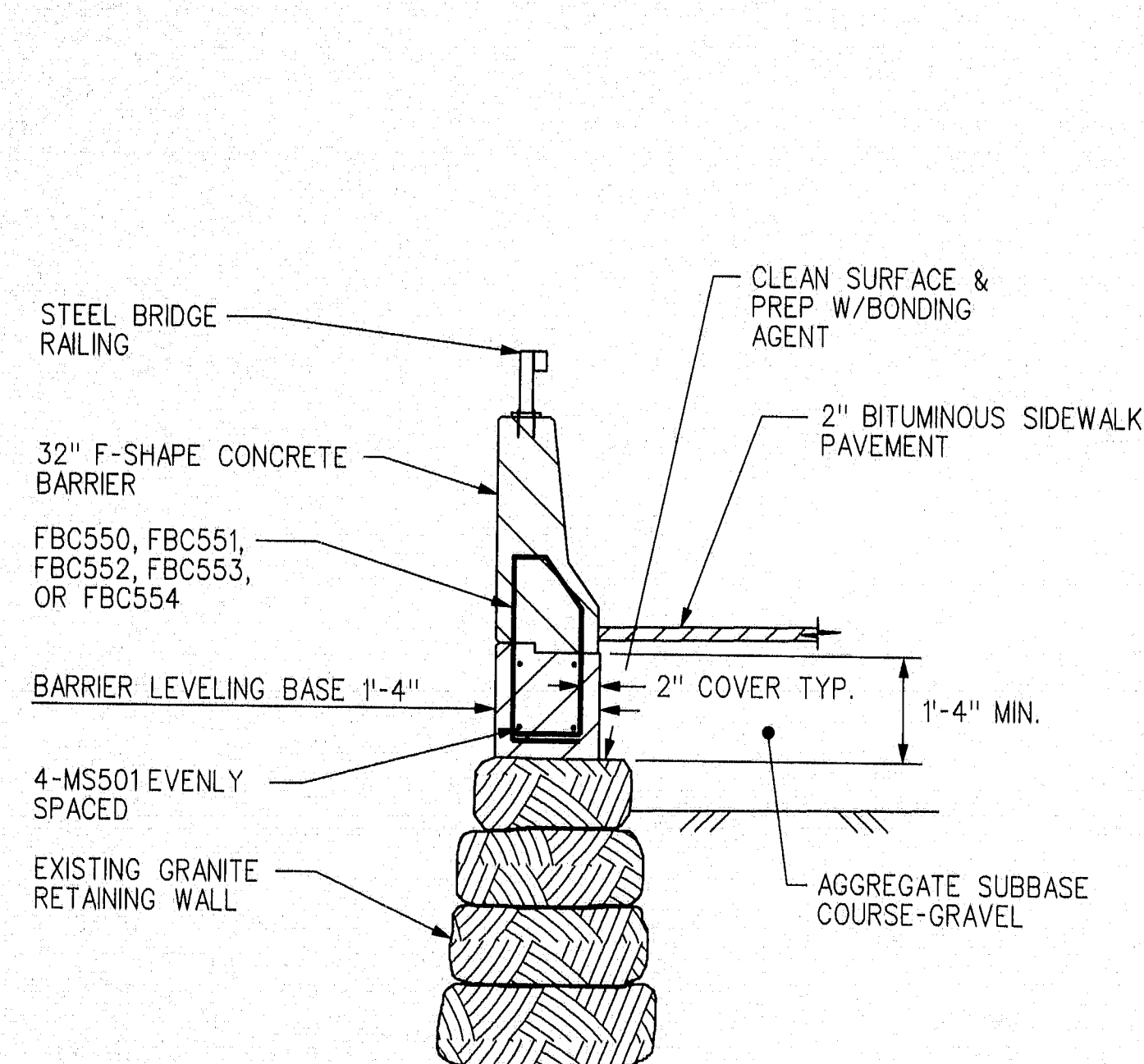


NORTH ELEVATION AT RETAINING WALL WITH BARRIER

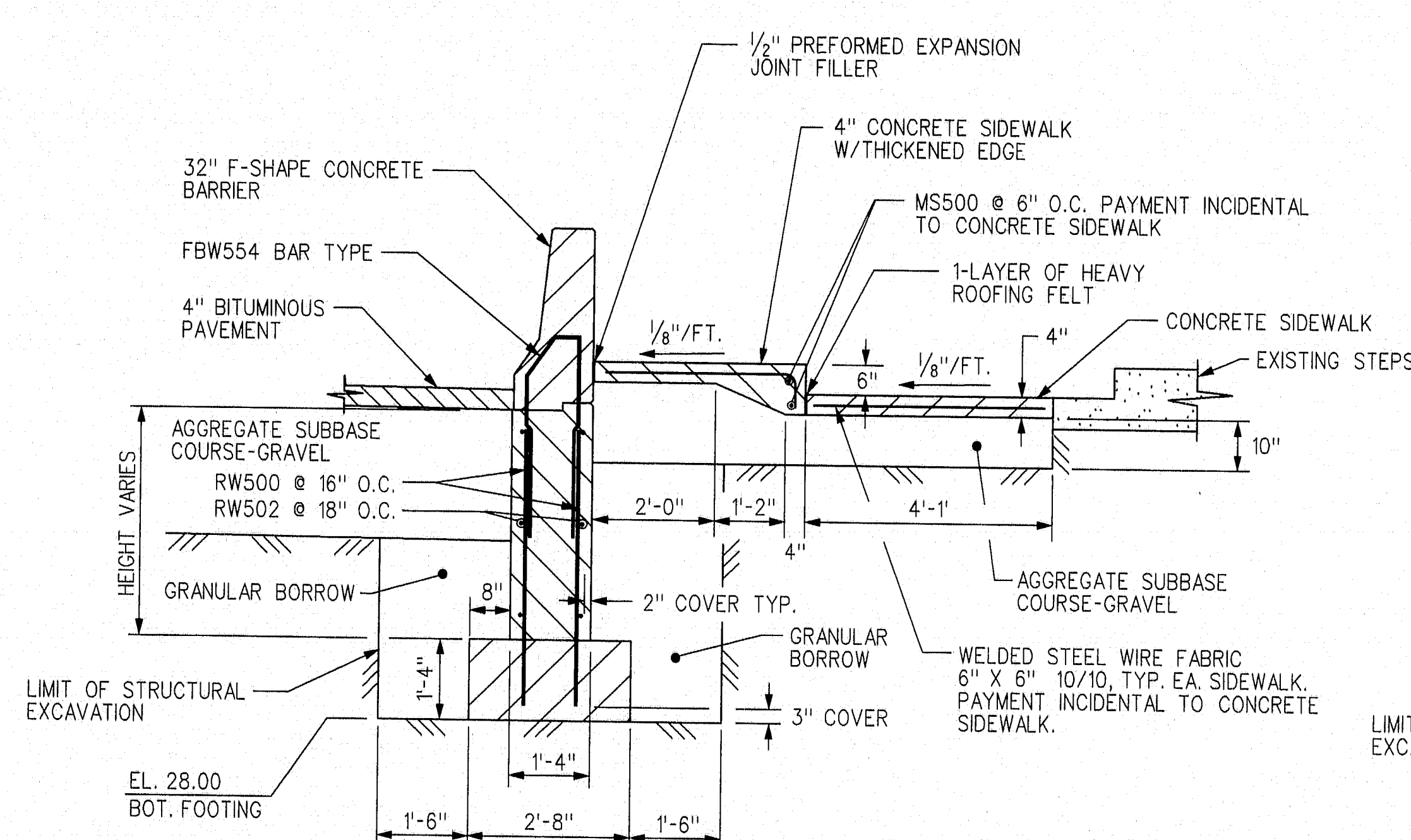
ORIENTATION OF THE ELEVATION, STATIONING FROM LEFT "HIGH" TO RIGHT "LOW", SHOWN TO MORE CLEARLY DEMONSTRATE BARRIER REVEAL WITH RESPECT TO BRIDGE WEARING SURFACE & PAVEMENT THICKNESS AT GUTTER LINE

RETAINING WALL WITH BARRIER

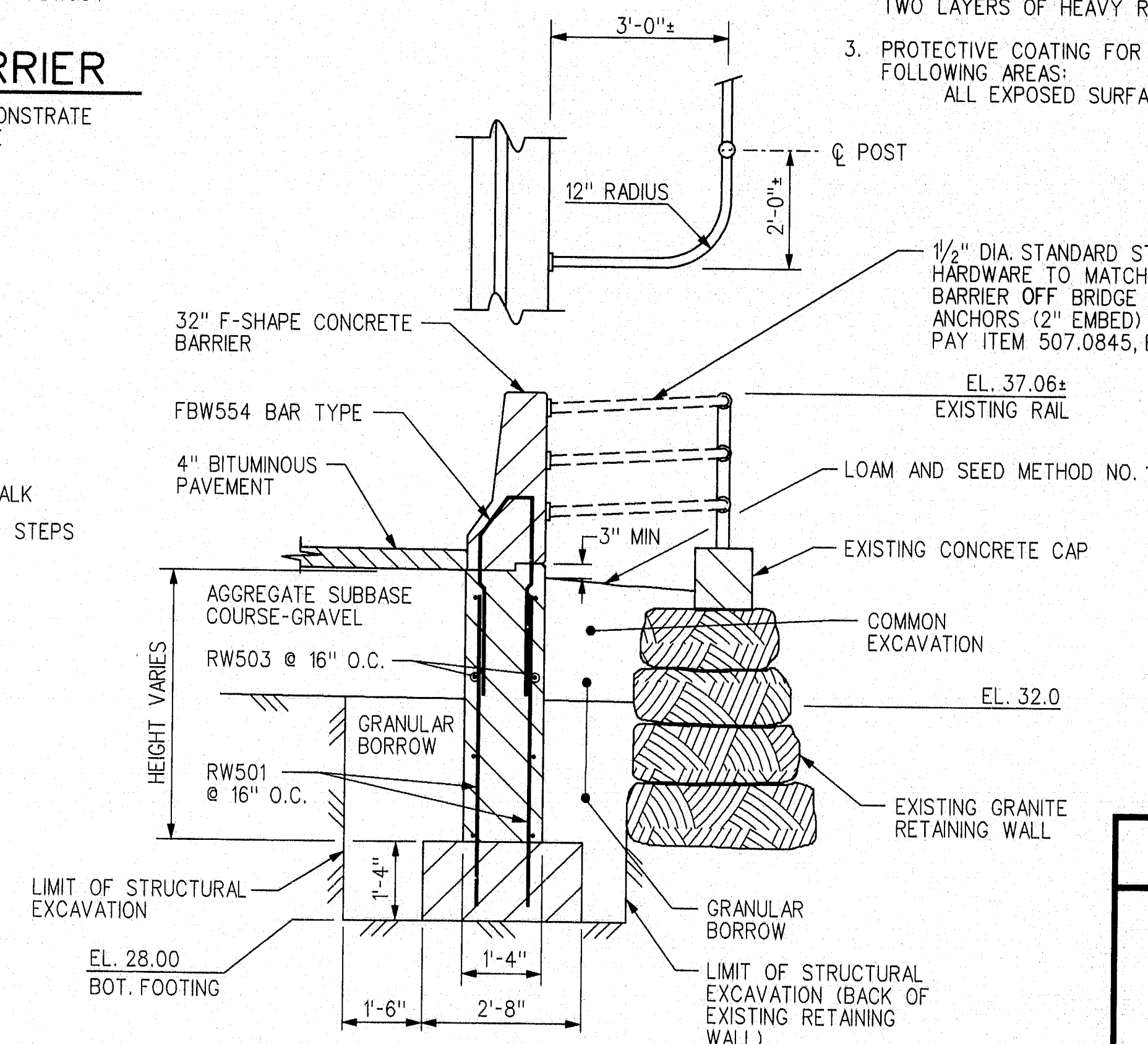
1. REINFORCING STEEL SHALL HAVE 2" OF COVER UNLESS OTHERWISE INDICATED.
2. COVER EXPANSION JOINTS BELOW GRADE ON BOTH SIDES OF WALL WITH TWO LAYERS OF HEAVY ROOFING FELT.
3. PROTECTIVE COATING FOR CONCRETE SURFACES SHALL BE APPLIED TO THE FOLLOWING AREAS:
ALL EXPOSED SURFACES OF CONCRETE BARRIERS.



CONCRETE BARRIER SECTION
AT SIDEWALK LT. STA. 12+05



RETAINING WALL/BARRIER RT.
SECTION AT STA. 12+15



RETAINING WALL/BARRIER RT.
SECTION AT STA. 11+85

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 Hammond Street
Bangor, Maine 04401

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
RETAINING WALL @ BARRIER
& MISC. CONCRETE SECTIONS
SHEET 13 OF 30 AUGUSTA, MAINE

119-103

REFER TO CONCRETE BARRIER SHEET
FOR INFORMATION NOT SHOWN

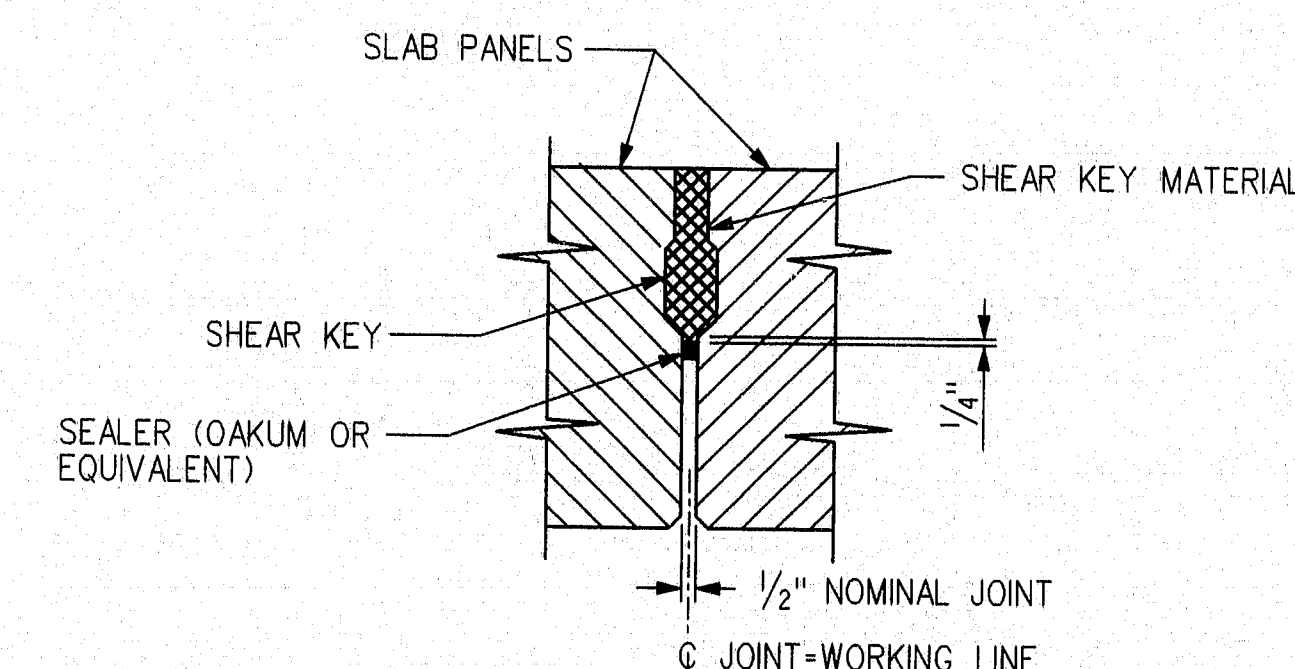
PROJECT DESIGN ENGINEER	DATE
V.L.H./J.M.V.H.	6-16-96
CHECKED	6-28-96
DESIGNED	
FIELD CHANGES	

CONCRETE BARRIER SECTION AT SIDEWALK LT. STA. 12+05

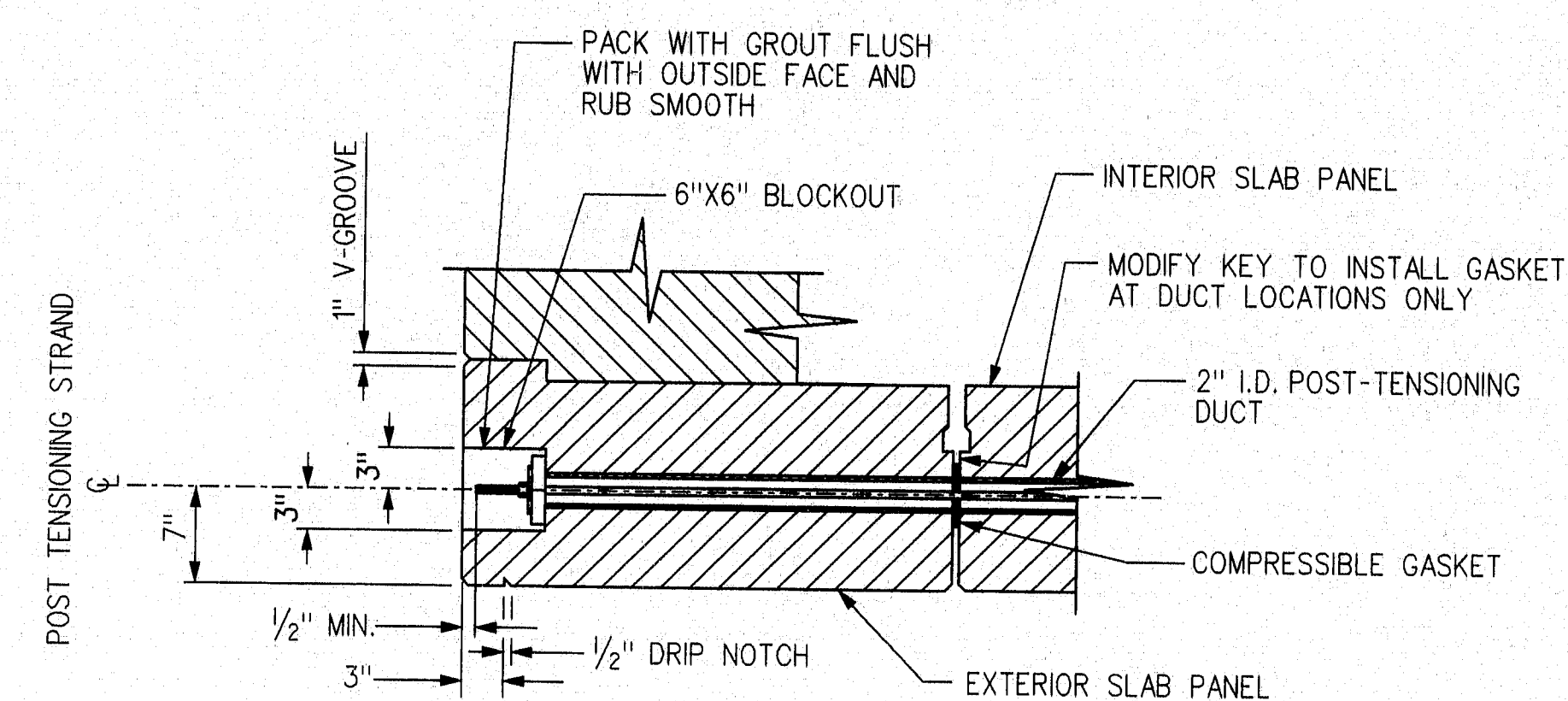
PRECAST CONCRETE SLAB NOTES

-
- 6"X6" BLOCKOUT
- 6"
- 1/2"
- 6"
- PACK WITH GROUT FLUSH WITH OUTSIDE FACE AND RUB SMOOTH
- 7 1/4"

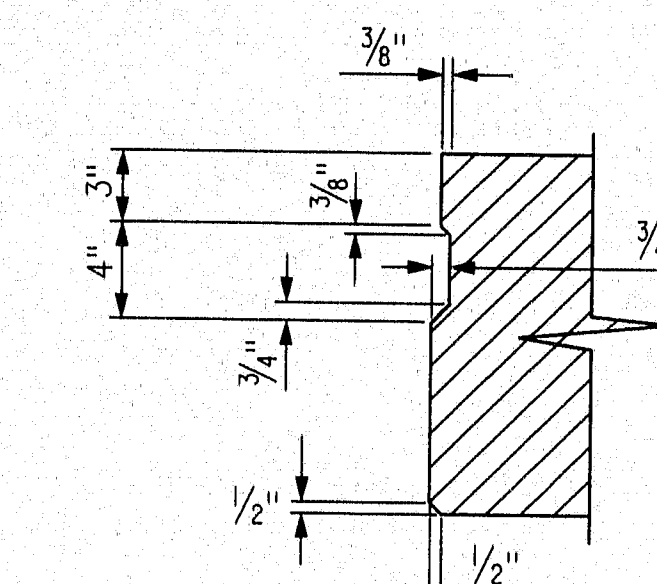
POST TENSIONING DUCT DETAIL



TYPICAL SLAB PANEL JOINT



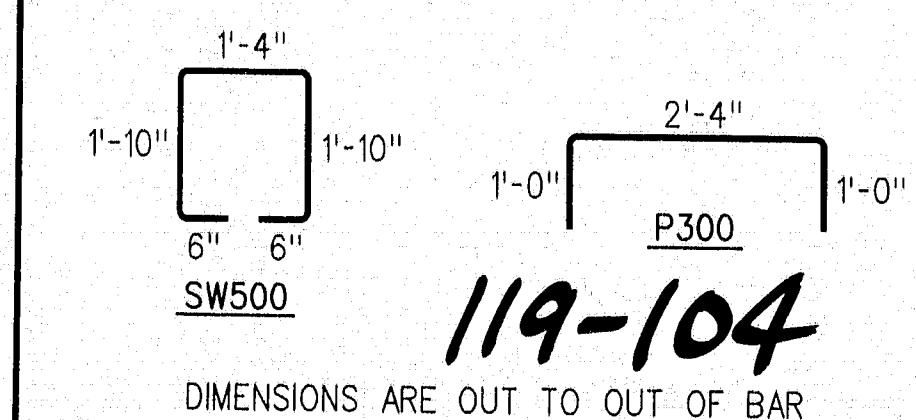
POST-TENSIONING DETAIL



TYPICAL KEY DETAIL

REFER TO CONCRETE BARRIER SHEET FOR FB
BAR SPACING

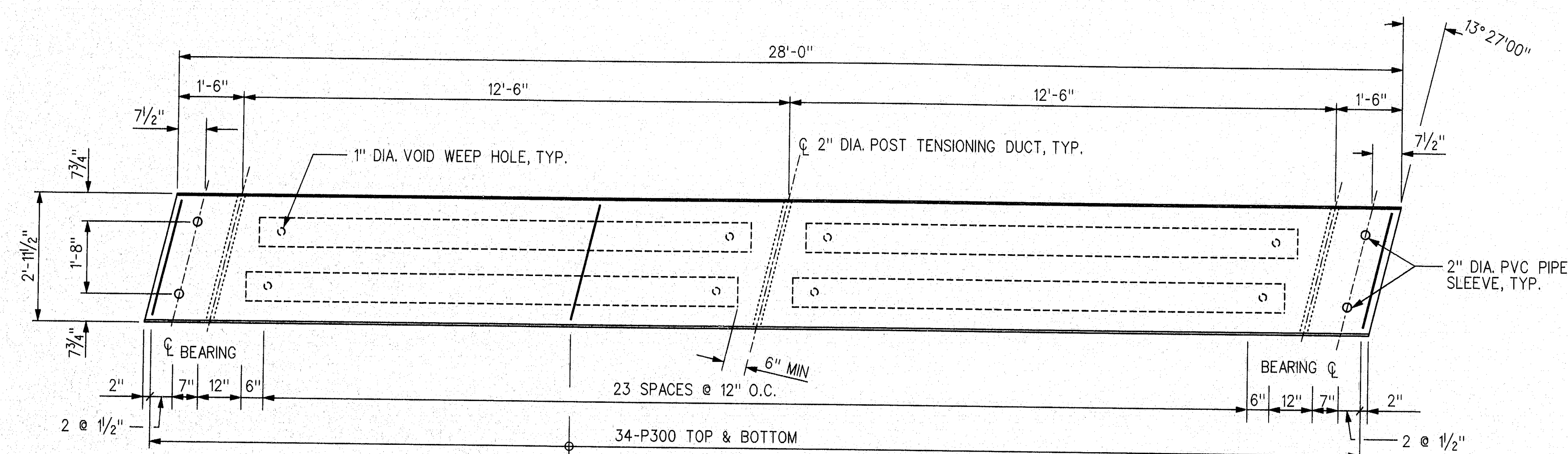
MARK	QTY.	LENGTH	REMARKS
SW500	56	6'-0"	_____
P300	680	4'-4"	_____



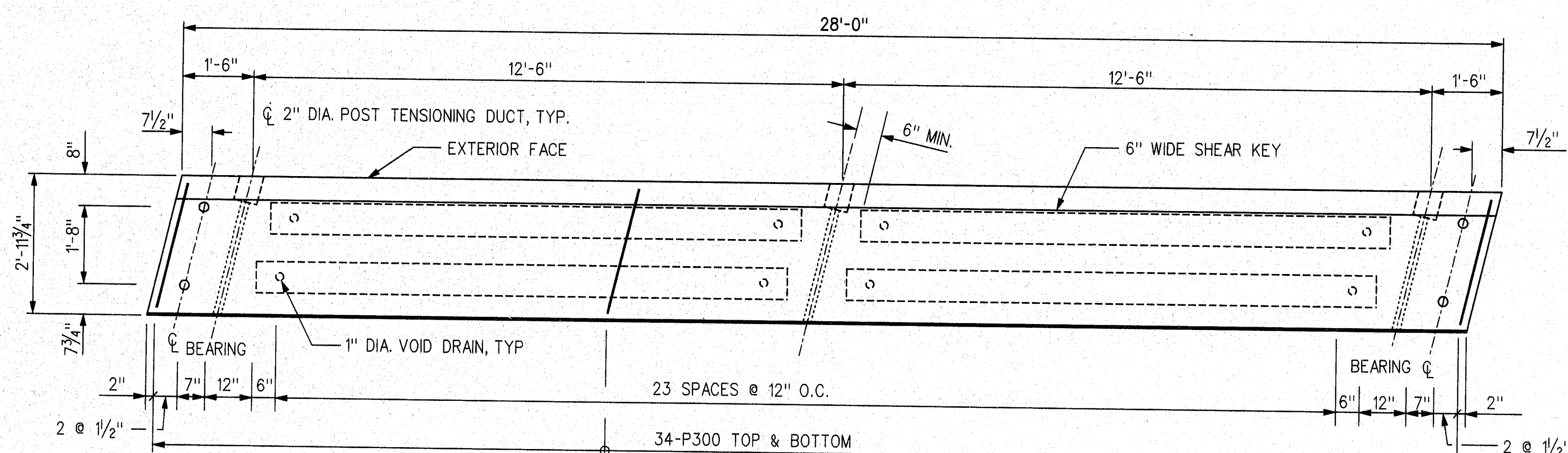
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
PRECAST SLAB PANELS

SHEET 14 OF 30 AUGUSTA, MAINE

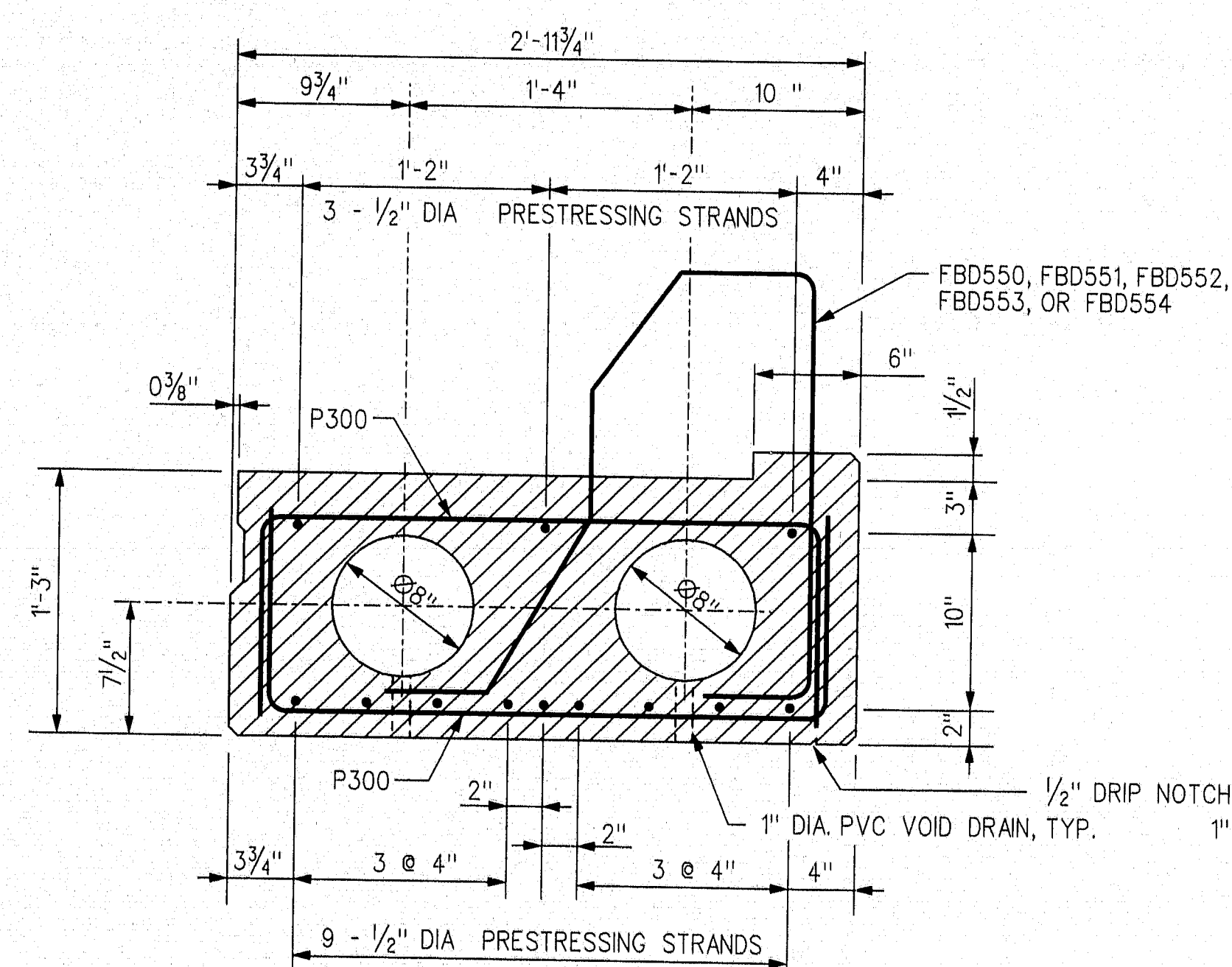


INTERIOR SLAB PANELS "A" & "B" PLAN

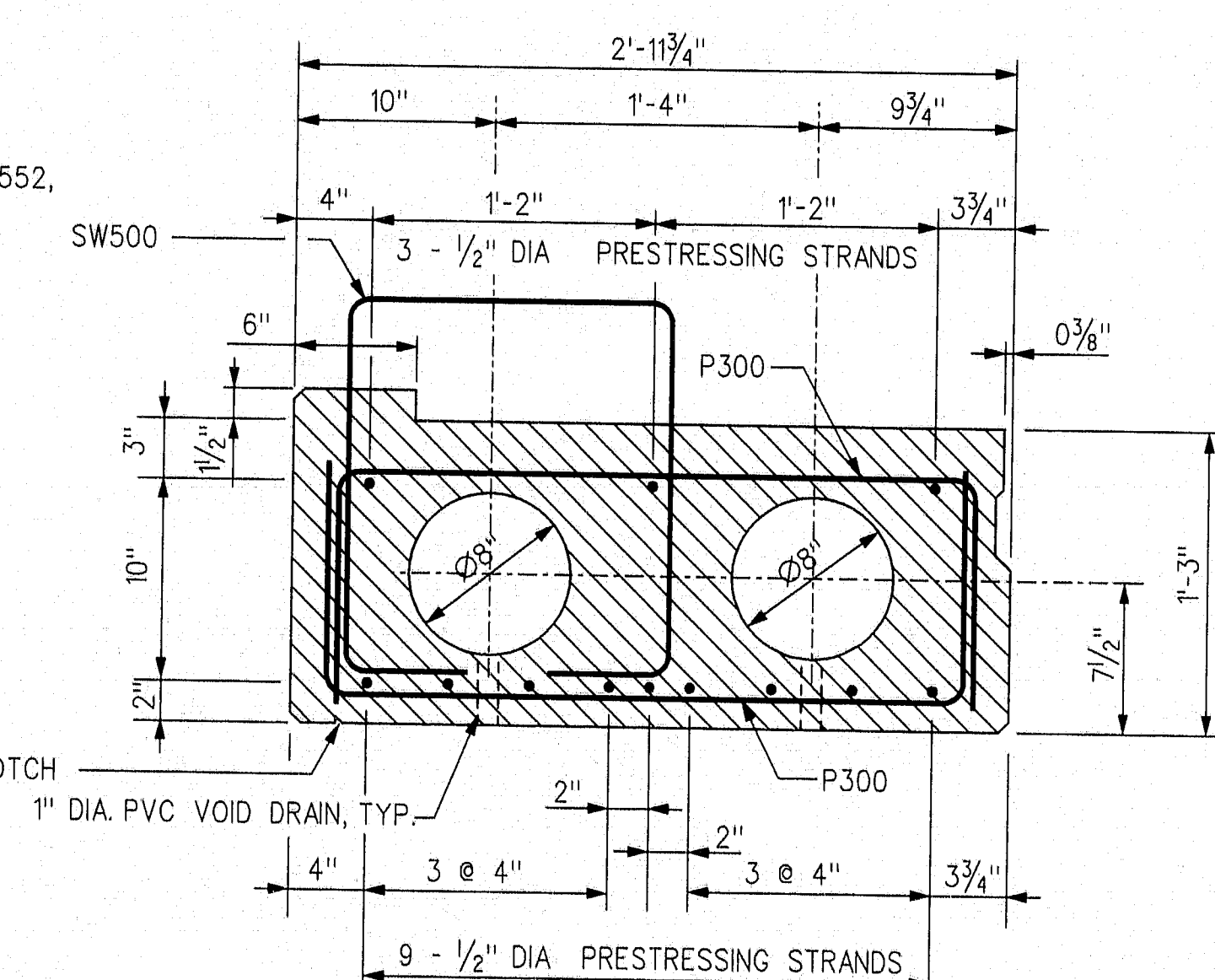


EXTERIOR SLAB PANEL "C" PLAN

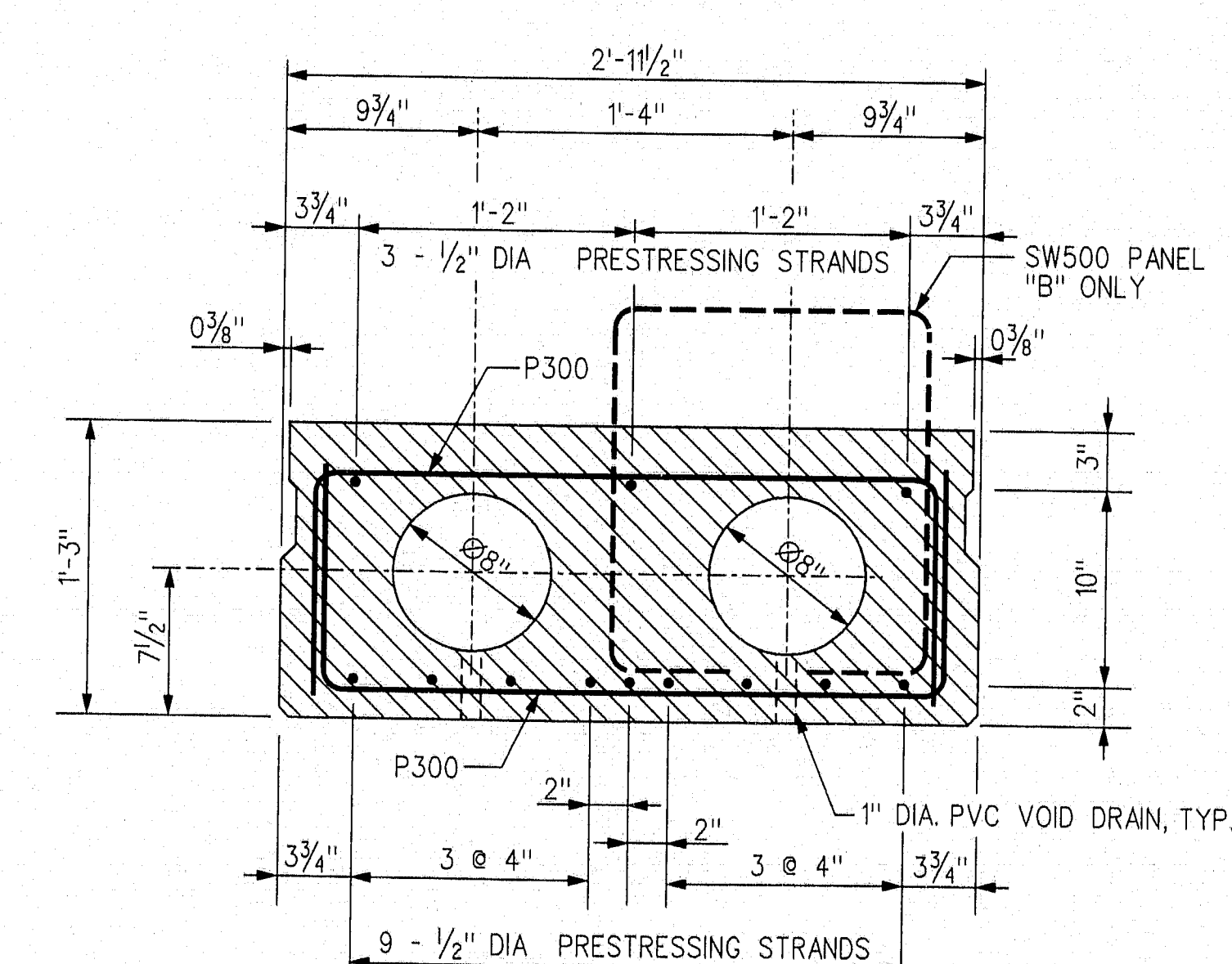
LEFT SIDE FASCIA SHOWN. "D" (RIGHT SIDE FASCIA) OPPOSITE HAND
1-TYPE "C" & 1 TYPE "D"



TYPE "D"
EXTERIOR SLAB PANEL SECTION



TYPE "C"
EXTERIOR SLAB PANEL SECTION



TYPE "A" & "B"
INTERIOR SLAB PANELS SECTION

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1224 Hammond Street
Bangor, Maine 04401

PROJECT	DESIGN ENGINEER	BY	DATE
PLANS	DESIGN-DETAILED	VLH/JKM VLH	6-16-95
	CHECKED	JKM	6-29-95
	REVISIONS		
	FIELD CHANGES		

\\FUSTATION\DCN\9312\PRE-SLAB.DGN

REINFORCING STEEL SCHEDULE																											
STRAIGHT BARS								BENT BARS																			
MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	
<u>ABUTMENT 1</u>				AW525	4	13'-11"	WALL	AF915	2	13'-8"	FOOTING	AW919	84	12'-5"	L	1'-8"	10'-9"										ABUTMENT WALL
AW900	17	20'-4"	WALL	AW526	2	12'-7"	WALL					AW920	89	12'-8"	L	5'-5"	7'-3"										ABUTMENT WALL
AW901	4	21'-7"	WALL	AW527	4	11'-4"	WALL					AW539	4	26'-8"	V				25'-7¾"	1'-0¼"				0'-6"			ABUTMENT WALL
AW902	2	11'-2"	WALL	AW528	2	10'-0"	WALL	AF500	40	39'-6"	FOOTING	AW540	33	4'-8"	S		1'-3"	1'-2"	2'-3"								ABUTMENT WALL
AW903	2	11'-11"	WALL	AW529	4	8'-8"	WALL	AF501	2	37'-0"	FOOTING	AW541	33	2'-3"	L	1'-0"	1'-3"										ABUTMENT WALL
AW904	2	12'-9"	WALL	AW530	2	7'-4"	WALL	AF502	2	29'-6"	FOOTING	AW542	8	4'-2"	S		1'-3"	1'-8"	1'-3"								ABUTMENT WALL
AW905	2	13'-7"	WALL	AW531	4	6'-1"	WALL	AF503	2	22'-1"	FOOTING																ABUTMENT WALL
AW906	2	14'-6"	WALL	AW532	2	4'-9"	WALL	AF504	2	17'-2"	FOOTING																
AW907	2	15'-4"	WALL	AW533	2	4'-8"	WALL	AF505	2	22'-6"	FOOTING	CW500	17	6'-3"	L	1'-10"	5'-3"										CAP WALL
AW908	2	16'-2"	WALL	AW534	2	3'-4"	WALL					CW501	8	9'-10"	L	1'-0"	8'-10"										CAP WALL
AW909	2	17'-0"	WALL	AW535	2	2'-0"	WALL					CW502	4	7'-6"	L	1'-0"	6'-6"										CAP WALL
AW910	2	17'-11"	WALL	AW536	1	27'-6"	WALL	<u>ABUTMENT 2 CAP</u>																			
AW911	2	18'-9"	WALL	AW537	2	33'-0"	WALL	CW503	21	6'-6"	WALL																
AW912	2	19'-7"	WALL	AW538	4	3'-8"	WALL	CW504	8	8'-11"	WALL	SW502	28	7'-5"	SJ			6'-1"	8"	8"							SIDEWALK
AW913	2	20'-6"	WALL	AW543	43	33'-1"	WALL	CW505	20	19'-8"	WALL																
AW914	2	21'-4"	WALL					CW506	6	6'-3"	WALL																
AW915	2	22'-2"	WALL					CW507	6	2'-1"	WALL																
AW916	2	23'-0"	WALL	AF1000	45	16'-7"	FOOTING	CW508	2	12'-6"	WALL																
AW917	2	23'-11"	WALL	AF1001	2	16'-7"	FOOTING	CW509	4	16'-0"	WALL																
AW918	36	13'-0"	WALL	AF1002	2	16'-5"	FOOTING																				
				AF1003	2	16'-4"	FOOTING																				
				AF1004	2	16'-3"	FOOTING	CF500	56	6'-0"	FOOTING																
AW500	21	21'-7"	WALL	AF1005	2	16'-2"	FOOTING	CF501	14	39'-8"	FOOTING																
AW501	53	4'-0"	WALL	AF1006	2	16'-1"	FOOTING</																				

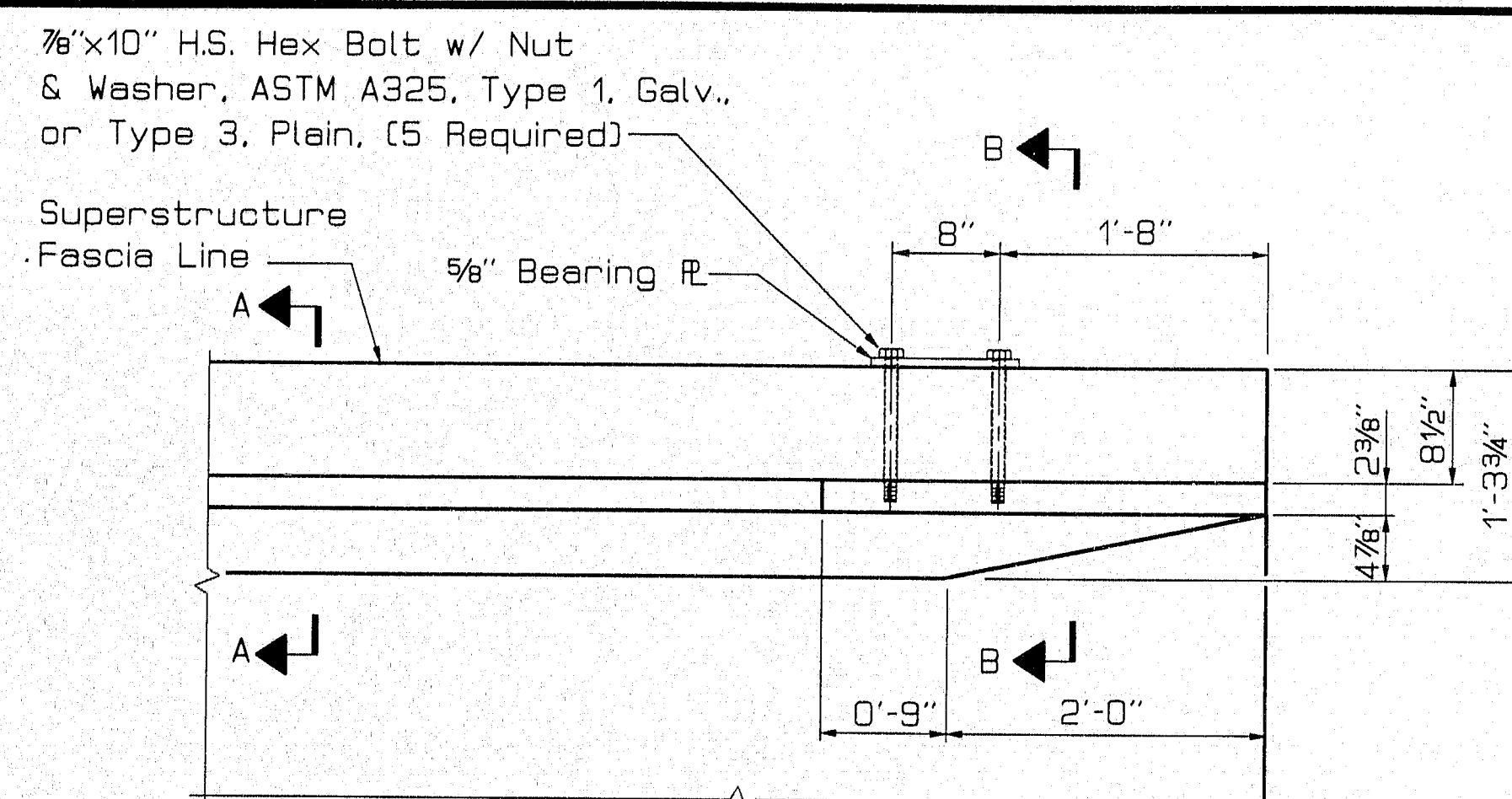
TYPE-BENDING DIAGRAMS

GENERAL NOTES

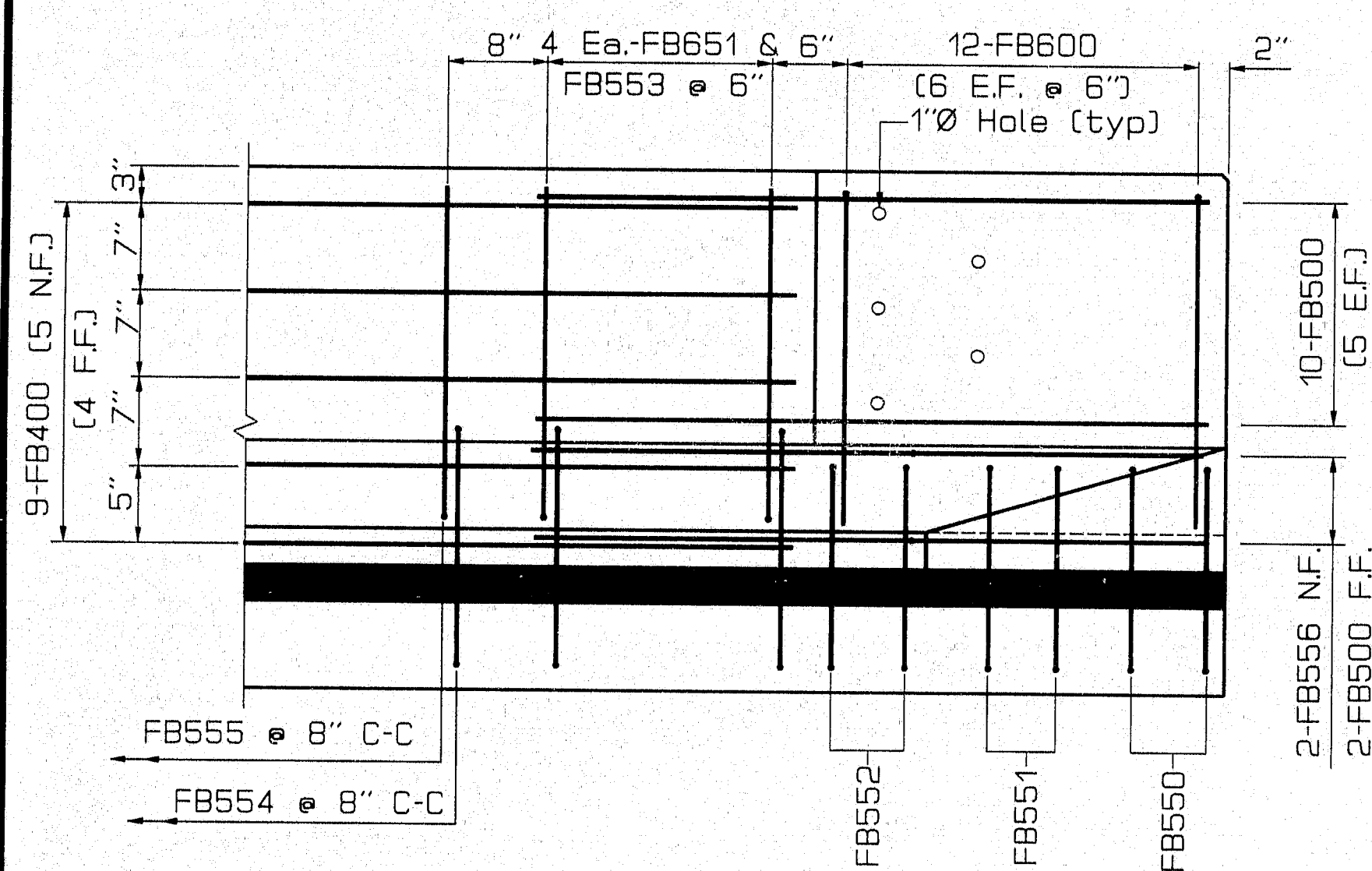
- 1.-First digit(s) following the letter of the mark indicates size of the bar:
Mark (A502) bar size-#5
Mark (P1001) bar size-#10
Mark (S603) bar size-#6
- 2.-Each truss bar, Type B, may be replaced by two (2) straight bars (one top and one bottom) of the same bar size as the truss bar. Payment in either case shall be based on truss bars as scheduled on plans.

NO.	119-105 REVISONS	6	DATE
STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
WINTER STREET BRIDGE OVER MAINE D.O.T. RAILROAD IN THE CITY OF BATH SAGADAHOC COUNTY REINFORCING SCHEDULE			
SHEET 15 OF 30 AUGUSTA MAINE			

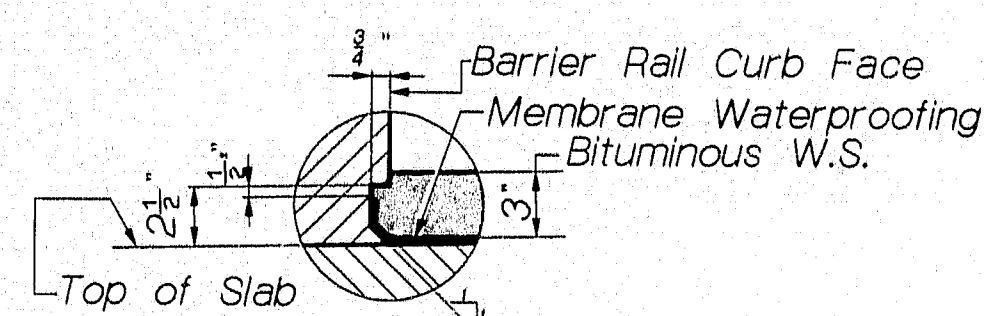
PROJECT DESIGN ENGINEER	BY		DATE
	VLH	VLH	
	BCT		
CHECKED			6-16-95
REVISIONS			6-29-95
FIELD CHANGES			



PLAN

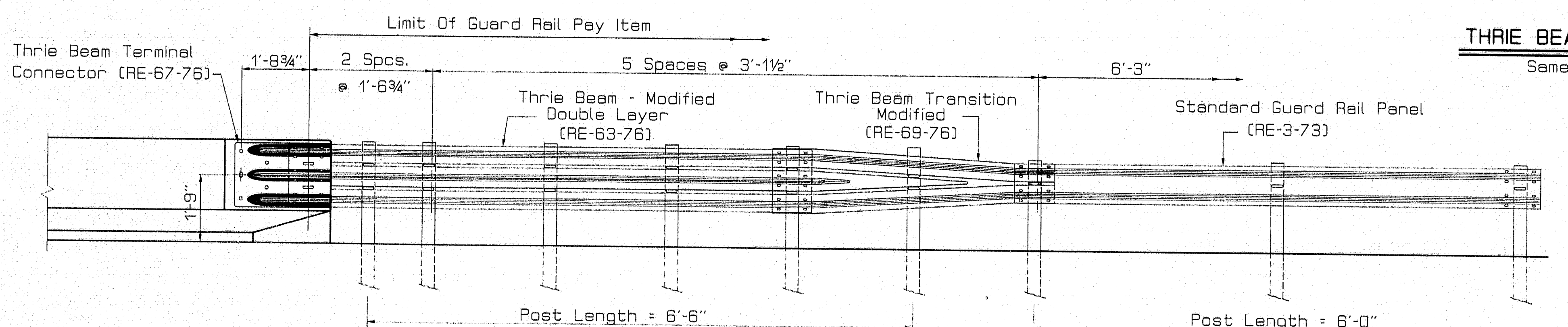


ELEVATION

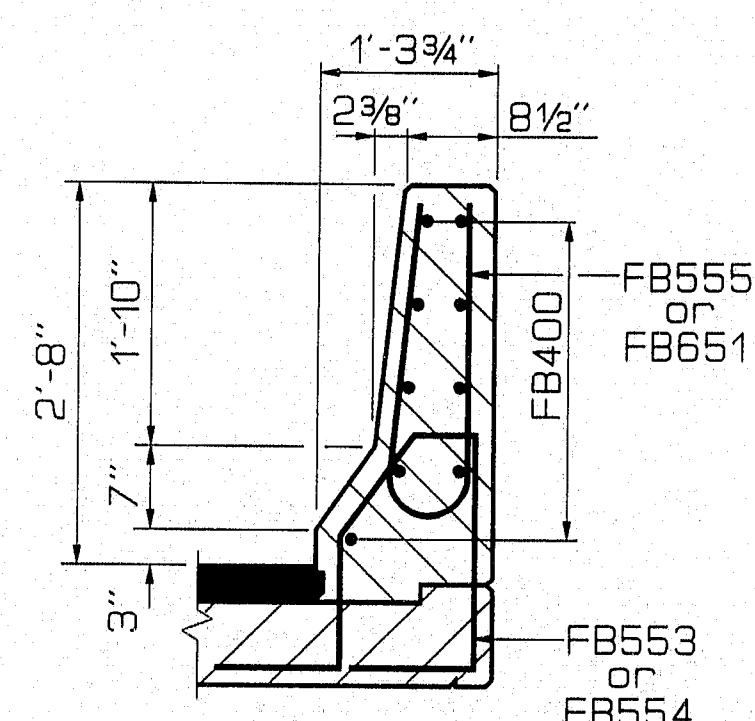


DETAIL AT GUTTER

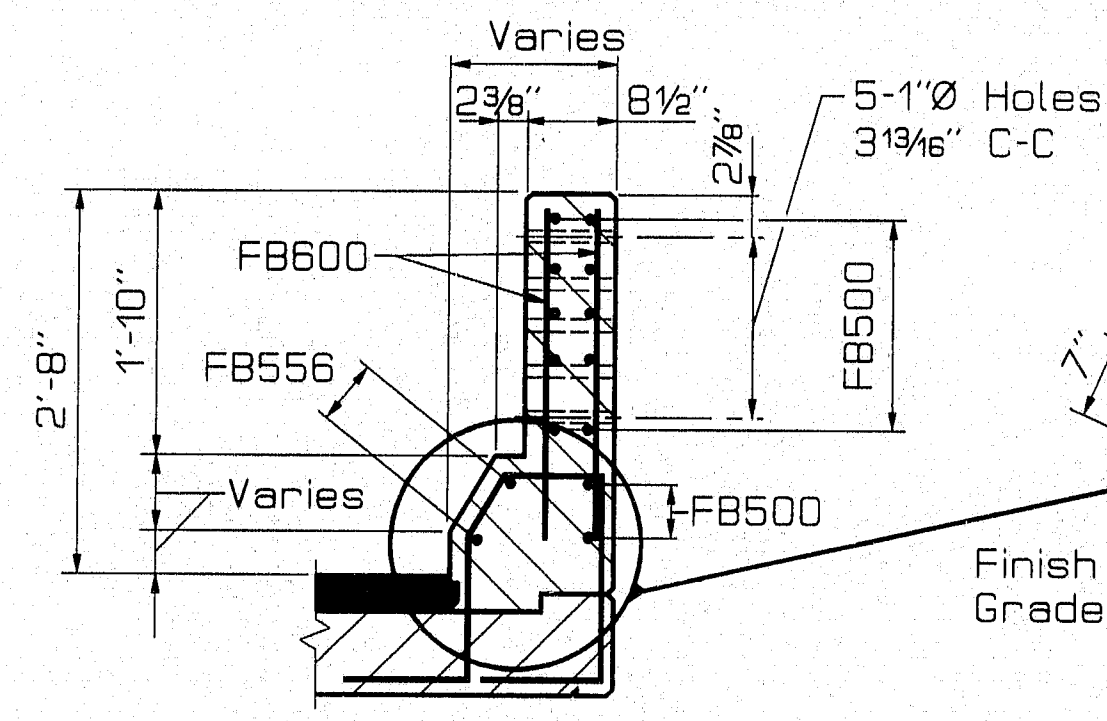
(For Bituminous Wearing Surface)



ELEVATION



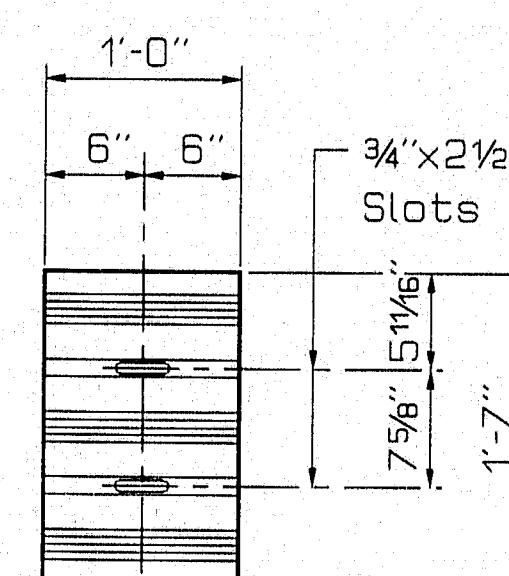
SECTION A-A



SECTION B-B

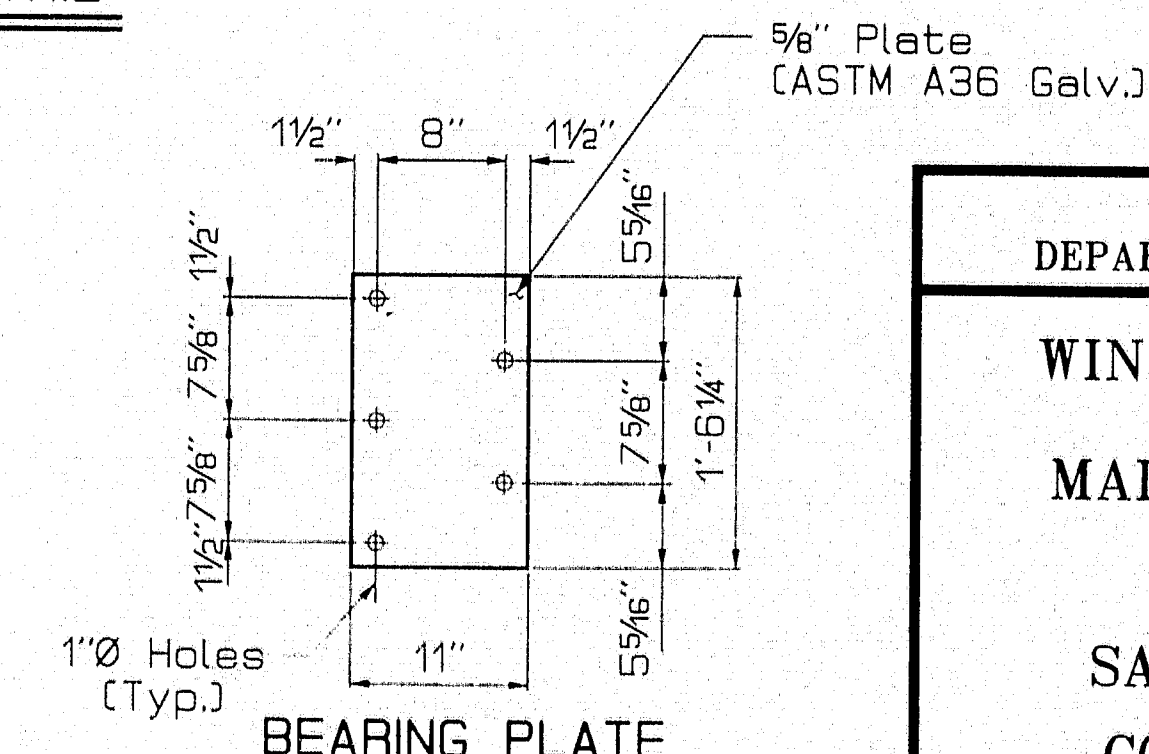
CANTILEVER DETAIL

- | NOTES | | | | REV | | DATE | PROJECT NUMBER | NO. | SHEETS |
|-------|--|--|--|-----|------|------|----------------|-----|--------|
| | | | | 1 | NAME | | BR-9508/1001X | 16 | 30 |
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THREE BEAM BACKUP PLATE DETAIL

Same as Thrie Beam details



BEARING PLATE

F.H.V.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-55081001X	16	30

PIN 005508.00

119-106

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF BATH
BATH
SAGADAHOC COUNTY
CONCRETE BARRIER

SHEET 16 OF 30 AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S. Lebrun	1-94
CHECKED		
REVISED		
FIELD CHANGES		

PLANS

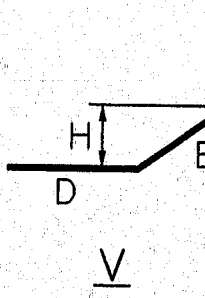
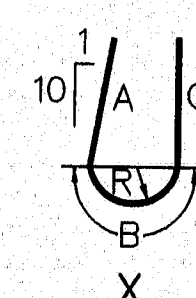
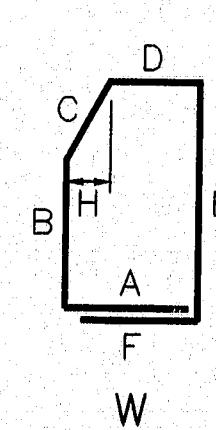
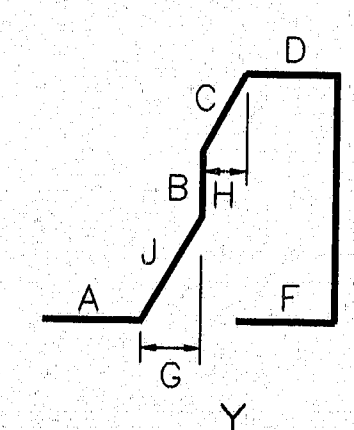
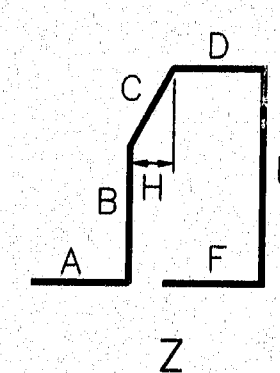
07 JULY95-01.00.20
ESSHAPE32

F.A.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BR-5508(00)X	17	30
PIN 005508.00				

REINFORCING STEEL SCHEDULE

STRAIGHT BARS

MARK	NO.	LENGTH	LOCATION
FBS400	9	24'-10"	BARRIER
FBD400	9	24'-10"	BARRIER
FBC400	9	14'-9"	BARRIER
FBC401	9	14'-3"	BARRIER
FBW400	9	19'-7"	BARRIER
FBW401	9	26'-6"	BARRIER
FB500	12	5'-5"	BARRIER END
FB600	12	2'-1"	BARRIER END



BENT BARS

MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	O	R	LOCATION
FBS550	2	5'-9"	Z	10"	1'-3"	6"	9"	1'-9"	8"		0"				BARRIER END @ BRIDGE SIDEWALK LT.
FBS551	2	6'-0"	Z	10"	1'-6"	4"	9"	1'-9"	10"		2"				BARRIER END @ BRIDGE SIDEWALK LT.
FBS552	2	6'-0"	Z	10"	1'-3"	7"	9"	1'-9"	10"		4"				BARRIER END @ BRIDGE SIDEWALK LT.
FBS553	4	6'-0"	Z	10"	1'-3"	8"	8"	1'-9"	10"		5"				BARRIER END @ BRIDGE SIDEWALK LT.
FBS554	35	6'-0"	Z	10"	1'-3"	8"	8"	1'-9"	10"		5"				BARRIER @ BRIDGE SIDEWALK LT.
FBD550	2	6'-5"	Z	10"	19"	6"	9"	2'-1"	8"		0"				BARRIER END @ BRIDGE DECK RT.
FBD551	2	6'-9"	Y	10"	9"	4"	9"	2'-1"	10"	5"	2"	14"			BARRIER END @ BRIDGE DECK RT.
FBD552	2	6'-9"	Y	10"	6"	7"	9"	2'-1"	10"	5"	4"	14"			BARRIER END @ BRIDGE DECK RT.
FBD553	4	6'-9"	Y	10"	6"	8"	8"	2'-1"	10"	5"	5"	14"			BARRIER END @ BRIDGE DECK RT.
FBD554	35	6'-9"	Y	10"	6"	8"	8"	2'-1"	10"	5"	5"	14"			BARRIER @ BRIDGE DECK RT.
FBC550	2	5'-10"	W	8"	1'-4"	6"	9"	1'-11"	8"		0"				BARRIER END @ CONC. CURB LT.
FBC551	2	6'-3"	W	10"	1'-7"	4"	9"	1'-11"	10"		2"				BARRIER END @ CONC. CURB LT.
FBC552	2	6'-3"	W	10"	1'-4"	7"	9"	1'-11"	10"		4"				BARRIER END @ CONC. CURB LT.
FBC553	4	6'-3"	W	10"	1'-4"	8"	8"	1'-11"	10"		5"				BARRIER END @ CONC. CURB LT.
FBC554	37	6'-3"	W	10"	1'-4"	8"	8"	1'-11"	10"		5"				BARRIER @ CONC. CURB LT.
FBW550	2	6'-11"	Z		2'-7"	6"	9"	3'-1"			0"				BARRIER END @ CONC. RET. WALL RT.
FBW551	2	7'-0"	Z		2'-10"	4"	9"	3'-1"			2"				BARRIER END @ CONC. RET. WALL RT.
FBW552	2	7'-0"	Z		2'-7"	7"	9"	3'-1"			4"				BARRIER END @ CONC. RET. WALL RT.
FBW553	4	7'-0"	Z		2'-7"	8"	8"	3'-1"			5"				BARRIER END @ CONC. RET. WALL RT.
FBW554	63	7'-0"	Z		2'-7"	8"	8"	3'-1"			5"				BARRIER @ CONC. RET. WALL RT.
FB555	172	4'-8"	X	1'-11"	11"	1'-11"						3"			BARRIER
FB556	8	5'-5"	V				3'-5"	2'-0"			5"				BARRIER END
FB651	16	4'-8"	X	1'-11"	1'-2"	1'-11"						4"			BARRIER END
FB652	2	4'-2"	W	10"	4"	8"	8"	10"	10"						BARRIER

1. ALL DIMENSIONS ARE OUT TO OUT OF REINFORCING BAR.
2. ALL BENDING DETAILS AND HOOKS SHALL CONFORM TO THE RECOMMENDATIONS OF THE CURRENT REVISION OF ACI STANDARD 318.

119-107

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WINTER STREET BRIDGE
OVER
MAINE D.O.T. RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
CONCRETE BARRIER
REINFORCING SCHEDULE

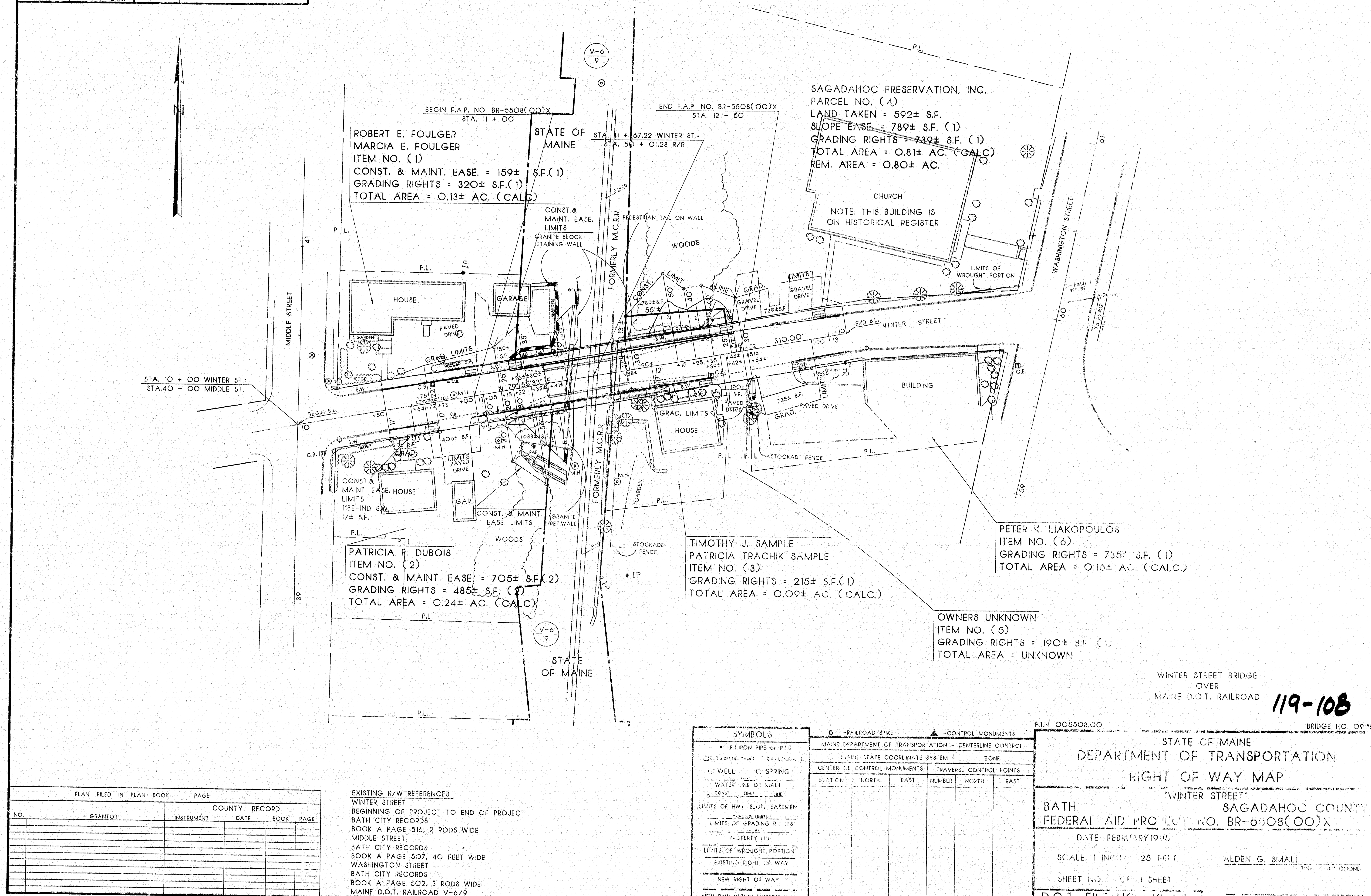
SHEET 17 OF 30 AUGUSTA, MAINE

AKINS ENGINEERING & CONSTRUCTION INC.
ENGINEERS-DESIGNERS-CONSTRUCTORS
1254 Hammond Street
Bath, Maine 04601

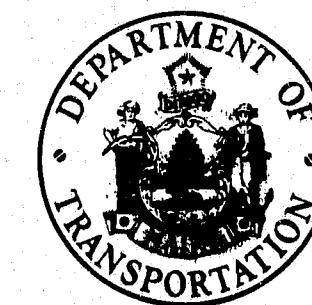
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	V.H.	6-18-95
CHECKED	BCT	6-29-95
REVISIONS		
FIELD CHANGES		
PLANS		

C:\STATION\005\172\WINTER.DWG

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	DATE POSTED
1	Maine	BR-5508(00)X	30	30



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



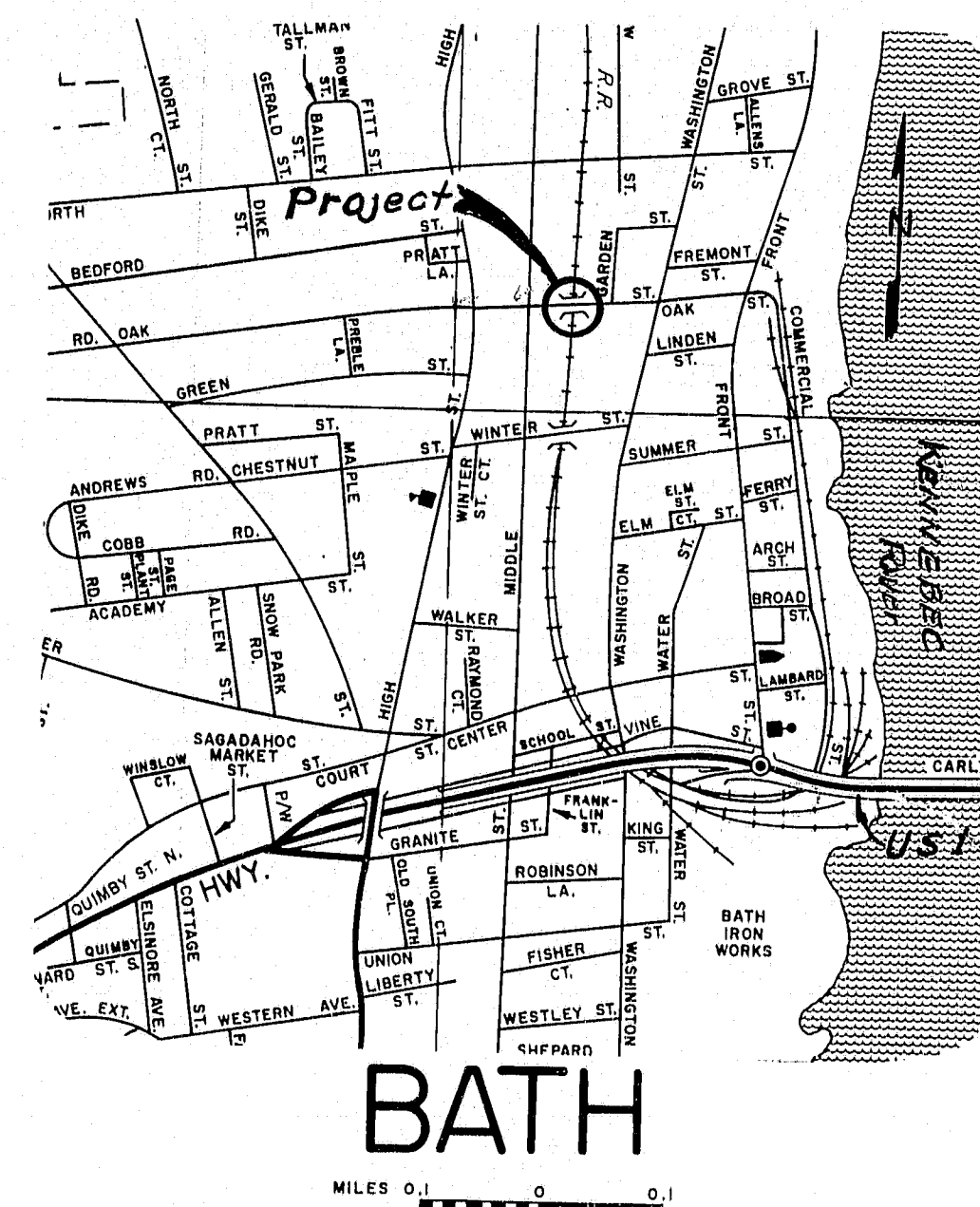
PLANS

OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH

SAGADAHOC COUNTY

PROJECT NUMBER MG-STPG-1915(1)X

PROJECT LENGTH 0.0294 MILES



TRAFFIC DATA

A.D.T. 1992 = 920
A.D.T. 2012 = 1290
D.H.V. 129
T. (%) 4
D. (%) 55
V. _____
P.S.D. (%) _____
18 KIPS P.S.D. = 10

NOTE

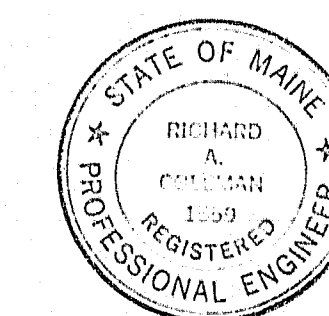
All work contemplated under this contract to be governed by and in conformity with the STANDARD SPECIFICATIONS (revision of January 1990) and supplementals thereto, except as modified on the plans and in the special provisions.

F.H.W.A. DIST. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MG-STPG-1915(1)X	1	22

PLAN 001874-03

TABLE OF CONTENTS

DESCRIPTION	SHEET NO.
Title Sheet	1
Estimated Quantities	2
General Plan and Profile	3
Precast Slab Panels	4
Sidewalk, Retaining Wall and General Notes	5
Superstructure Plan and Abutment Caps	6
Concrete Slab Entrance Walkway	7
Cross Sections	8 thru 11
Reinforcing Steel Schedule	12
Highway Standards	13 thru 17
Bridge Standards	18 thru 21
Right of Way Map	22



APPROVED:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

COMMISSIONER

Richard A. Coleman
CHIEF ENGINEER

DATE

11-17-92

11-17-92

Revised H. 1-3/4 7/2

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1

APPROVED:

DIVISION ADMINISTRATOR DATE

108-59

133

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	108-60	2	22

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.10	Rem. Exist. Superstructure - Property of Contractor	1	L.S.
203.20	Common Excavation	450	C.Y.
203.26	Gravel Borrow	75	C.Y.
206.082	Structural Earth Excavation - Major Structure	155	C.Y.
304.10	Aggregate Subbase Course - Gravel	420	C.Y.
403.07	Hot Bituminous Pavement, Grading B	92	T
403.08	Hot Bituminous Pavement, Grading C	42	T
403.101	Hot Bituminous Pavement, Grad. D (Sidewalks, Shims, Drives, Incidentals)	10	T
502.21	Structural Concrete, Abutts. & Retaining Walls	100	C.Y.
502.41	Structural Concrete Superstructure Slab	65	C.Y.
502.44	Str. Concrete Wearing surface on Bridges	9	C.Y.
502.4712	Silica Fume Additive	3,440	Lb.
503.12	Reinforcing Steel Fabricated & Delivered	8,300	Lb.
503.13	Reinforcing Steel Placing	8,300	Lb.
507.0921	Aluminum Bridge Railings, 2 Bar, Anodized	172	L.F.
507.0941	Aluminum Bridge Railings, 3 Bar w/ Poles, Anodized	145	L.F.
514.06	Curing Box For Concrete Cylinders	1	Ea.
515.21	Protective Coating For Concrete Surfaces	1	L.S.
526.301	Temporary Concrete Barrier Type 1	1	L.S.
535.60	Prestressed Structural Concrete Slab	1	L.S.
603.1922	12 Inch Reinforced Concrete Pipe Class IV	30	L.F.
604.092	Catch Basin Type B1-C	1	Ea.
604.18	Adjusting Manhole or Catch Basin to Grade	3	Ea.
604.262	Catch Basin Type B5-C	1	Ea.
608.08	Reinforced Concrete Sidewalk	9	S.Y.

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
609.31	Curb Type 3	45	L.F.
621.273	Large Deciduous Trees Group A (8-24" Cal.) Red Maple Variety "Armstrong"	2	Ea.
627.403	4" SOLID YELLOW PAVEMENT MARKING LINE	500	L.F.
629.05	Hand Labor, Straight Time	10	M.H.
631.12	All Purpose Excavator (Inc. Opn.)	10	Hr.
631.171	Truck - small (Inc. Opn.)	10	Hr.
631.36	Foreman	10	M.H.
639.19	Field Office type B	1	Ea.
639.23	Testing Facilities Concrete	1	L.S.
652.31	Type I Barricade	10	Ea.
652.312	Type III Barricade	2	Ea.
652.33	Drum	10	Ea.
652.34	Cone	10	Ea.
652.35	Construction Signs	270	S.F.
652.361	Maintenance of Traffic Control Devices	1	L.S.
652.38	Flagger	100	M.H.
659.10	Mobilization	1	L.S.

Estimate of Lump Sum Quantities			
515.21	Protective Coating for Concrete Surfaces	330	S.Y.
526.301	Temporary Concrete Barrier Type 1	60	L.F.
535.60	Prestressed Structural Concrete Slab	131	S.Y.

GENERAL CONSTRUCTION Notes (for more notes see sheet #5)

- All back fill below subgrade shall meet the requirements of and be paid for under Item 203.26 Gravel Borrow.
- Item 202.10, Removing Existing Superstructure - Property of Contractor, shall include the following; Removal of the existing timber pier to a minimum of 1'-0" below existing ground. Removal of the existing timber abutment caps.
- All disturbed grass areas shall be sodded and 2" loam applied as determined by the Engineer. Payment for all work and materials will be considered incidental to the contract and no separate payment will be made. Seeding shall be done in accordance with the Standard Specifications, Section 418-- Seeding, Method Number 1.

108-60

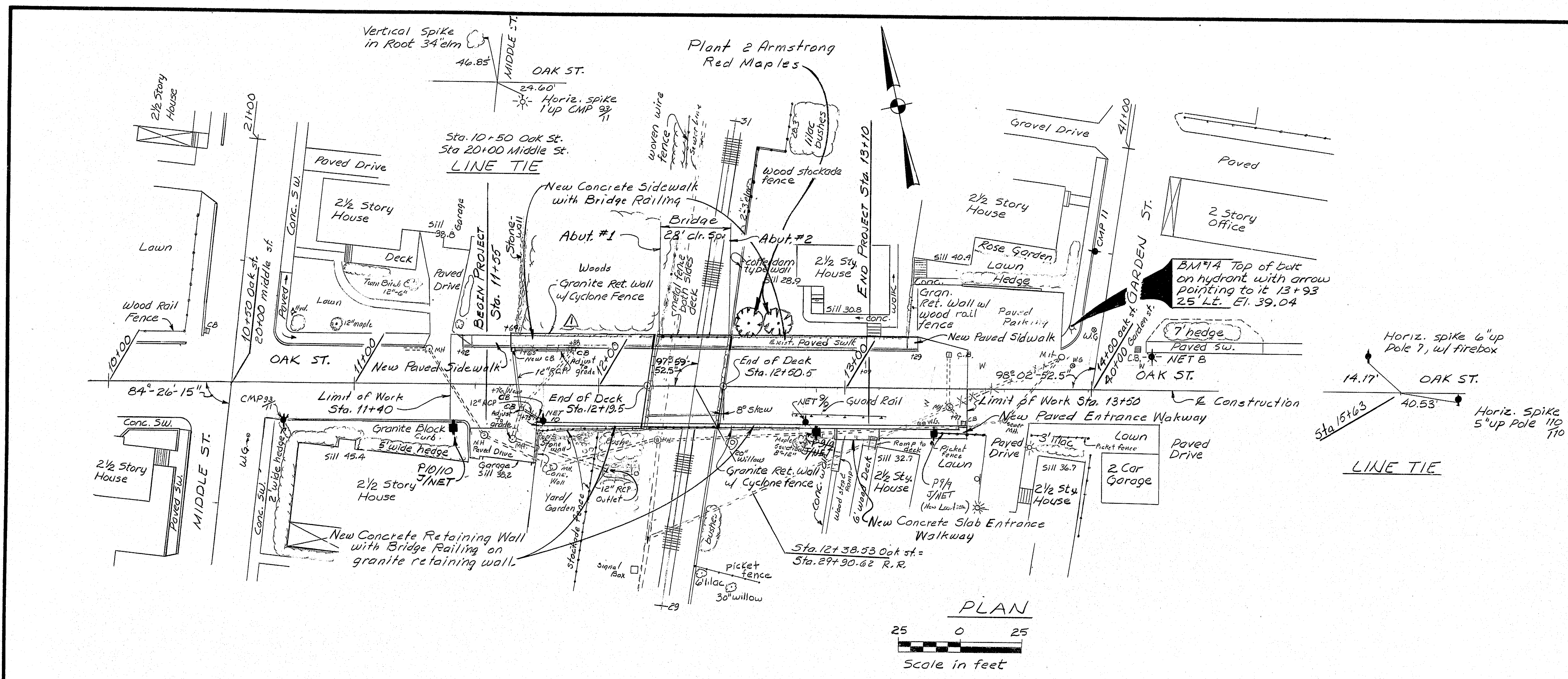
AS BUILT 1/11/88

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
Estimated Quantities

SHEET 2 OF 22 AUGUSTA, MAINE

2051 2005

F.R.A.	STATE	PROJECT NUMBER	SHEET	TOTAL
1	MAINE	108-61 (108-61)	3	22
PIN 001674.00				



NOTES

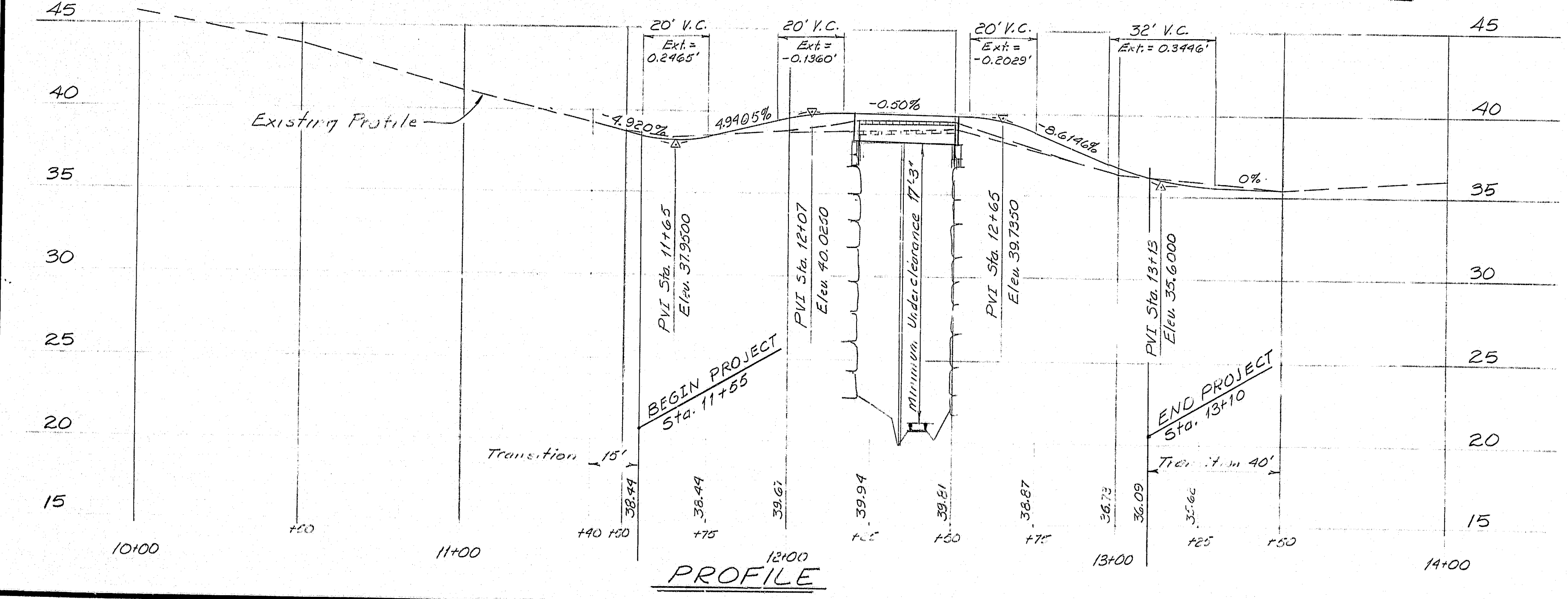
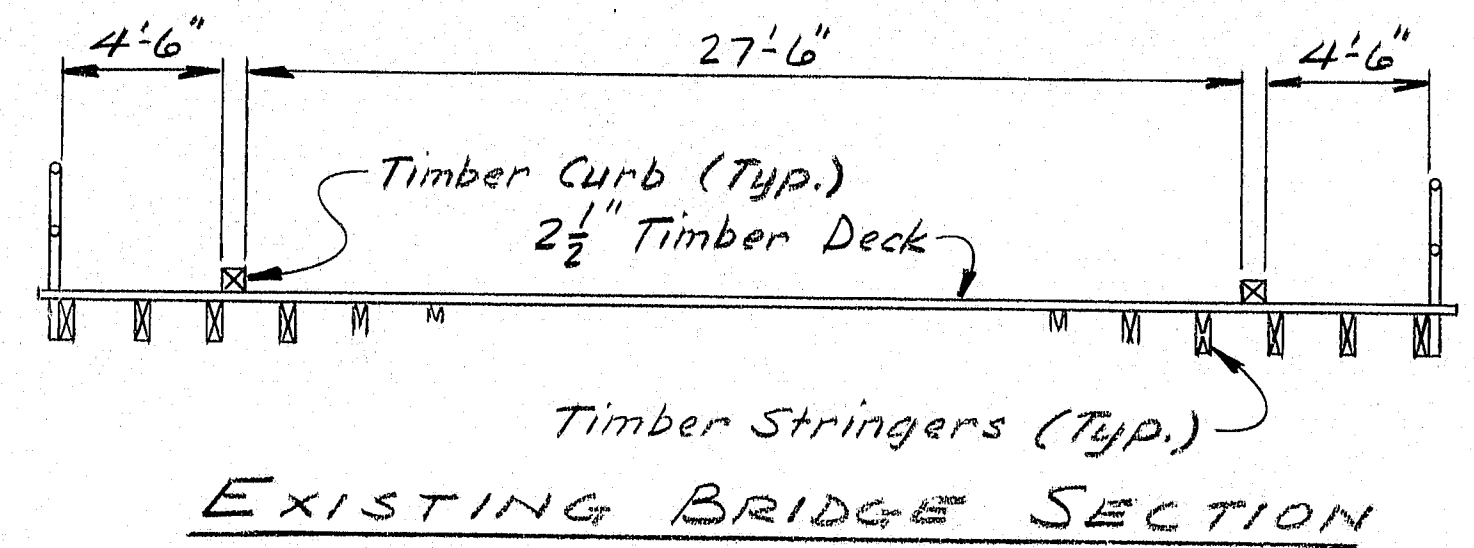
SUPERSTRUCTURE: 3"x8" Plank decking in new condition on 19'-8"x16"x29.5' wood stringers.

SUBSTRUCTURE: Mortared, cut granite abutments in very good condition. There is also a timber support made up of 1 row of 8"x8" posts with an 8"x16" footing and an 8"x8" cap.

APPROACHES: 30'± Paved roadway with sidewalks, all in good to fair condition.

UTILITIES: Central Maine Power Co., Cable TV, New England Telephone & Maine Central Railroad, all above ground. Sewer, Water & Maine Central Railroad below ground.

△ Moved CB of 11+88 Lt to 11+65 Rt.
Eliminated CB at 11+76 Rt.



108-61

Revised 4.15.11 3/11 K.A.
Survey Book No. 9634, 9710

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
General Plan and Profile
SHEET 3 OF 22 AUGUSTA, MAINE

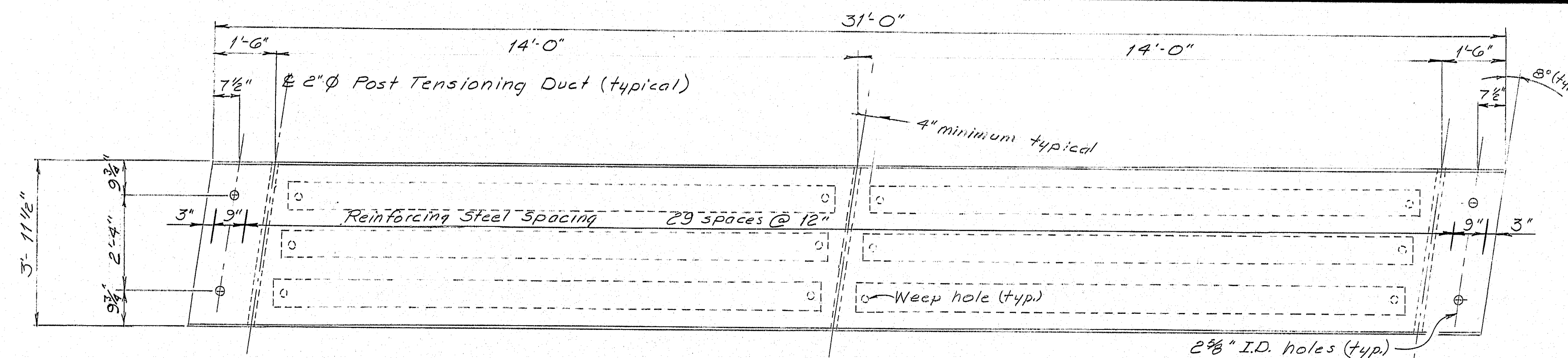
PROJECT DESIGN ENGINEER	DATE
DESIGN-DETAILED	11-14
REVISIONS	11-14
FIELD CHANGES	10-12

BRUNING 44132 4570-1

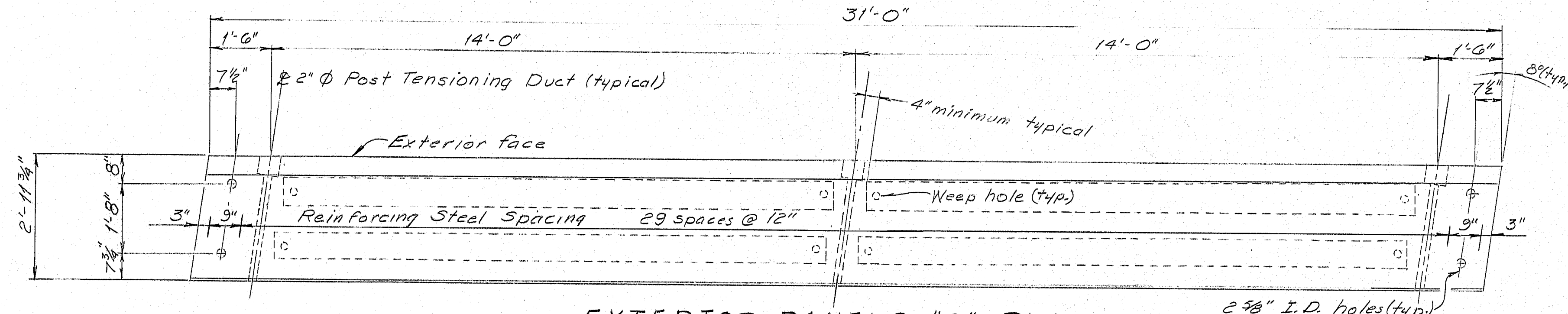
F.R.W.B. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	108-62 (19150)	4	22
PEN 001874-00				

PANEL NOTES:

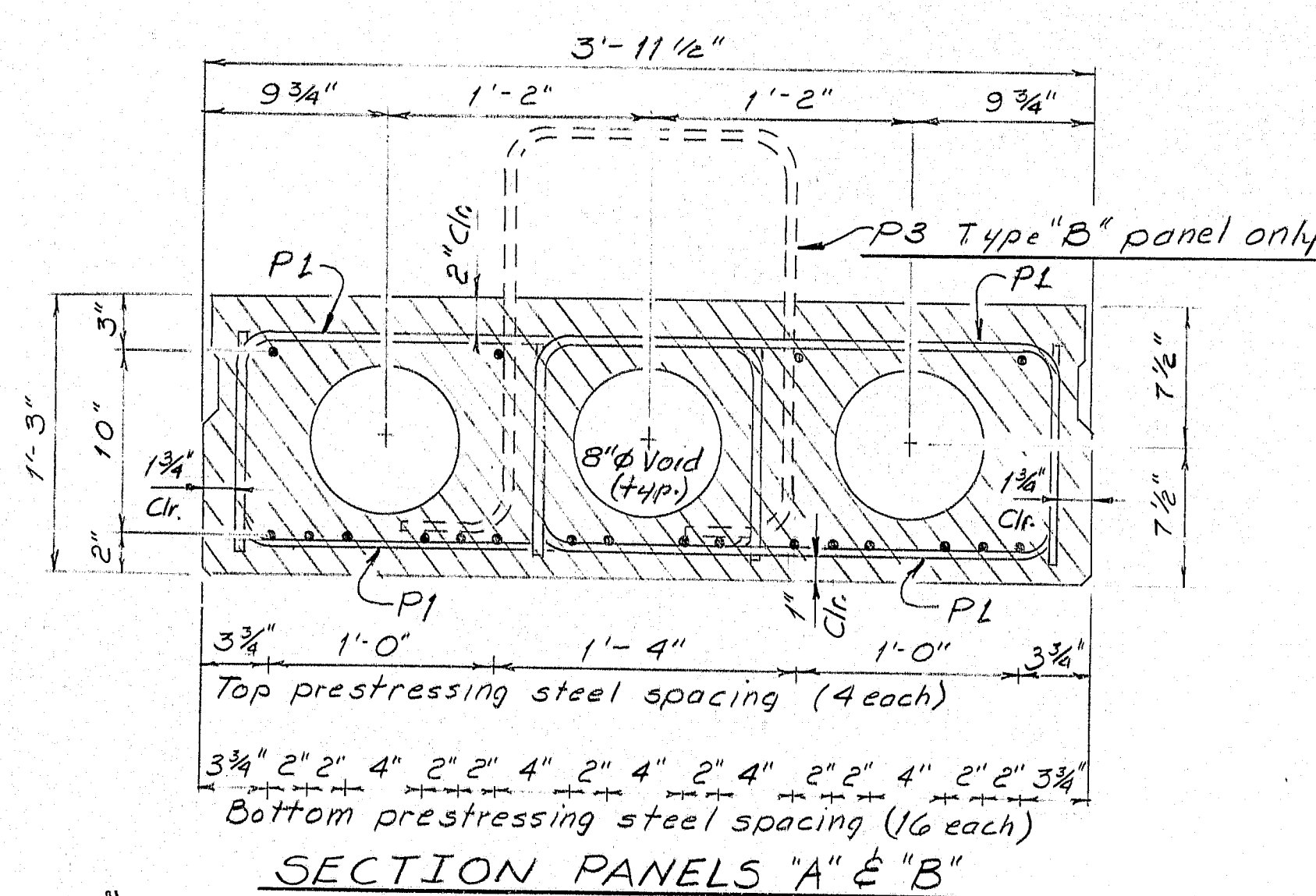
1. Install a 2" diameter non-metallic weep hole in the bottom of both ends of each void.
2. The tensioning force on the prestressing strands shall be 23,000 lbs.
3. The 28 day compressive strength shall be a minimum of 3,000 psi.
4. The reinforcing steel shall be placed parallel with the skew of the panel ends.
5. All exposed corners shall be chamfered 1/2".
6. Minimum clearance for reinforcing steel except as otherwise shown shall be 2".



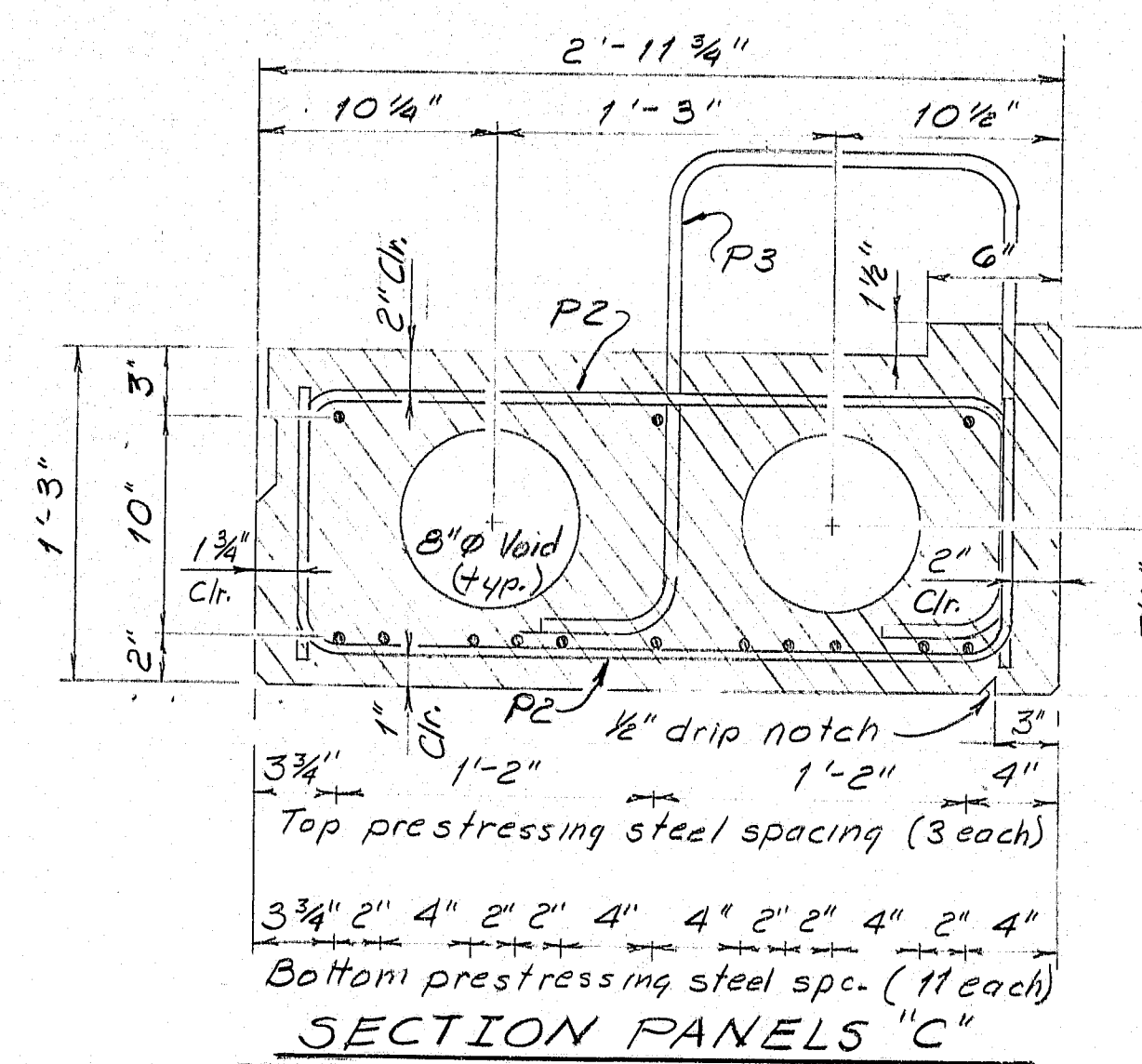
INTERIOR PANELS "A" & "B" PLAN
(7-type "A" & 1-type "B")



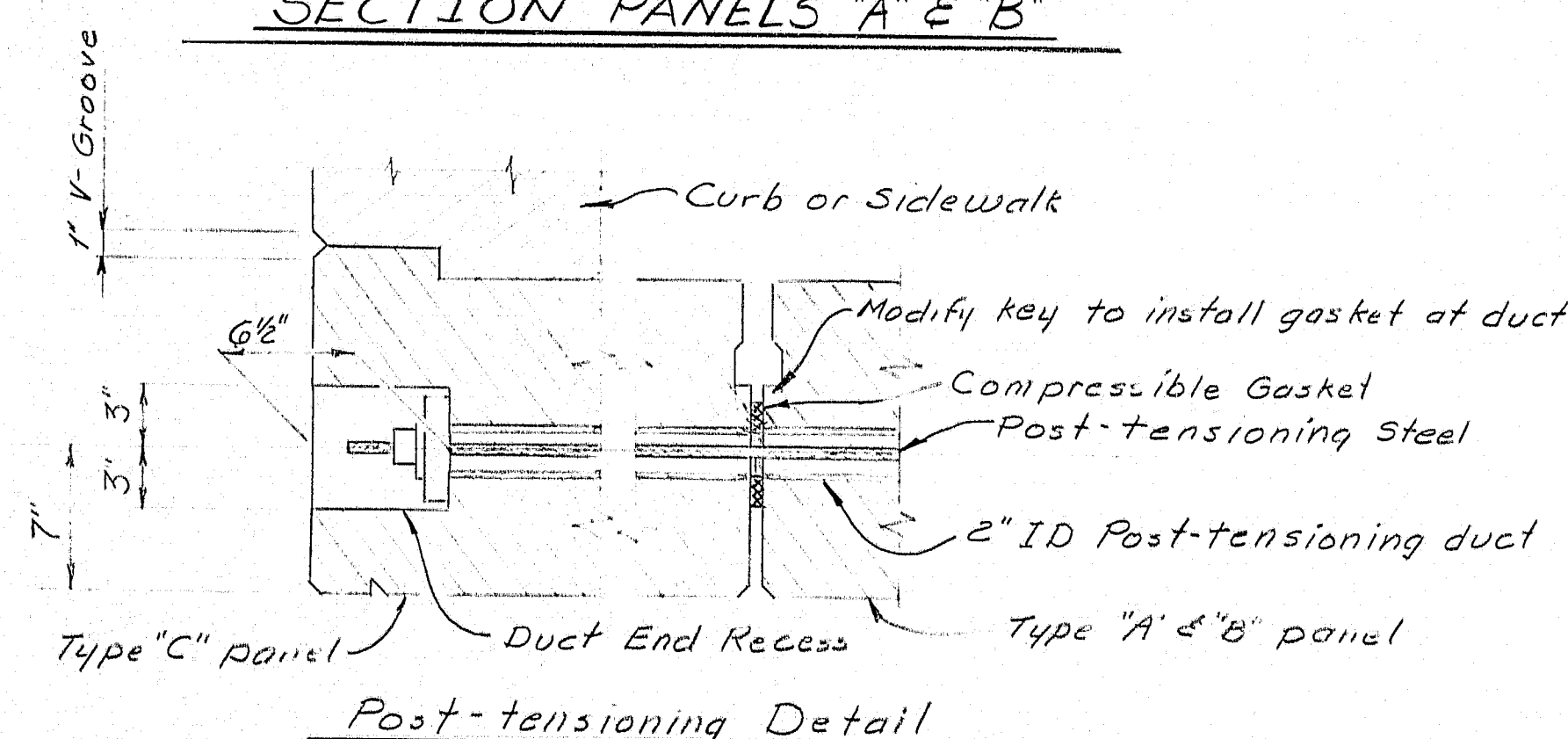
EXTERIOR PANELS "C" PLAN
(2-type "C")



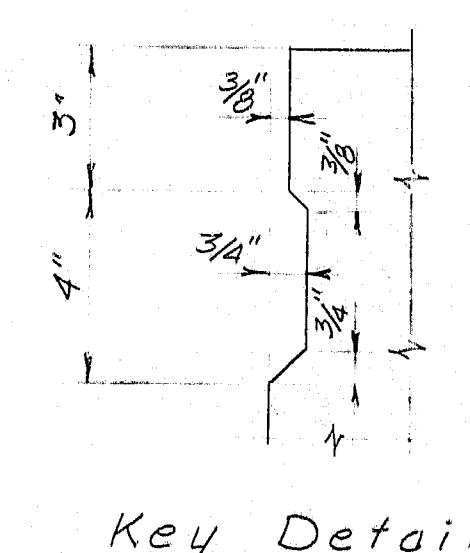
SECTION PANELS "A" & "B"



SECTION PANELS "C"



Post-tensioning Detail



Key Detail

Panel	Reinforcing Steel	Quantity
P1	#4 bar	64 each panel
P2	#4 bar	32 each panel
P3	#5 bar	32 each panel
P4	#5 bar	96 total

Reinforcing Steel for Precast Panels

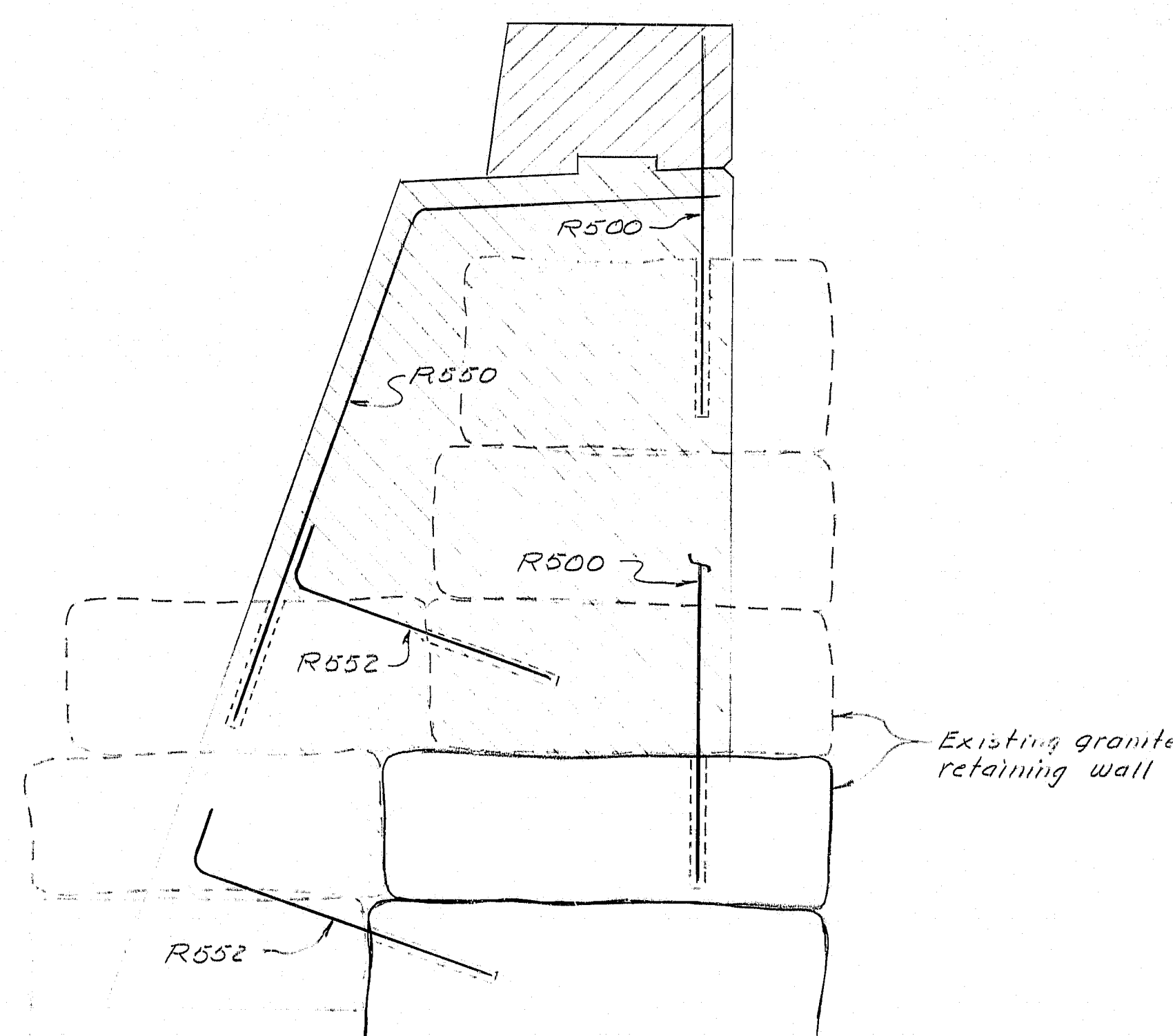
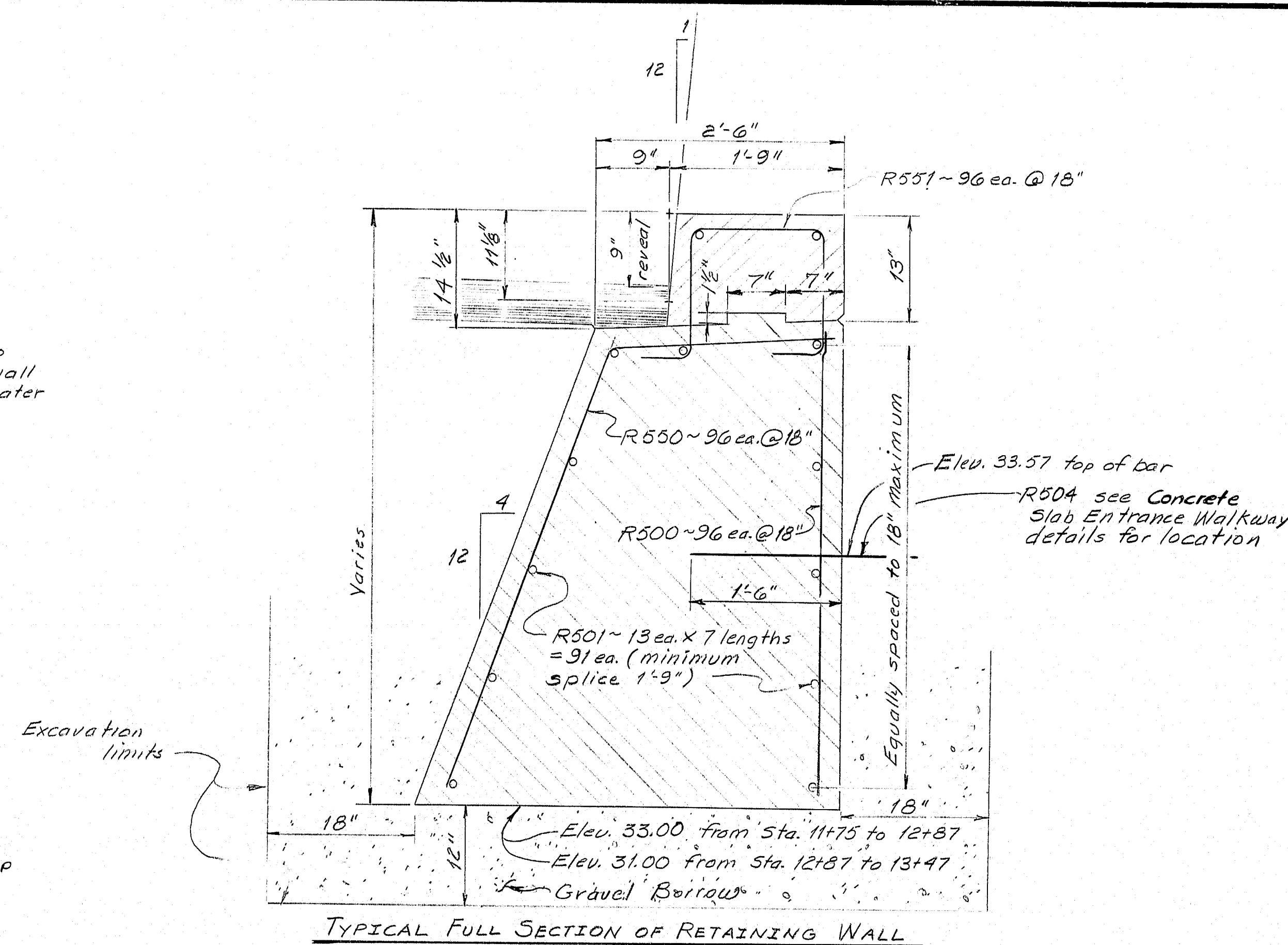
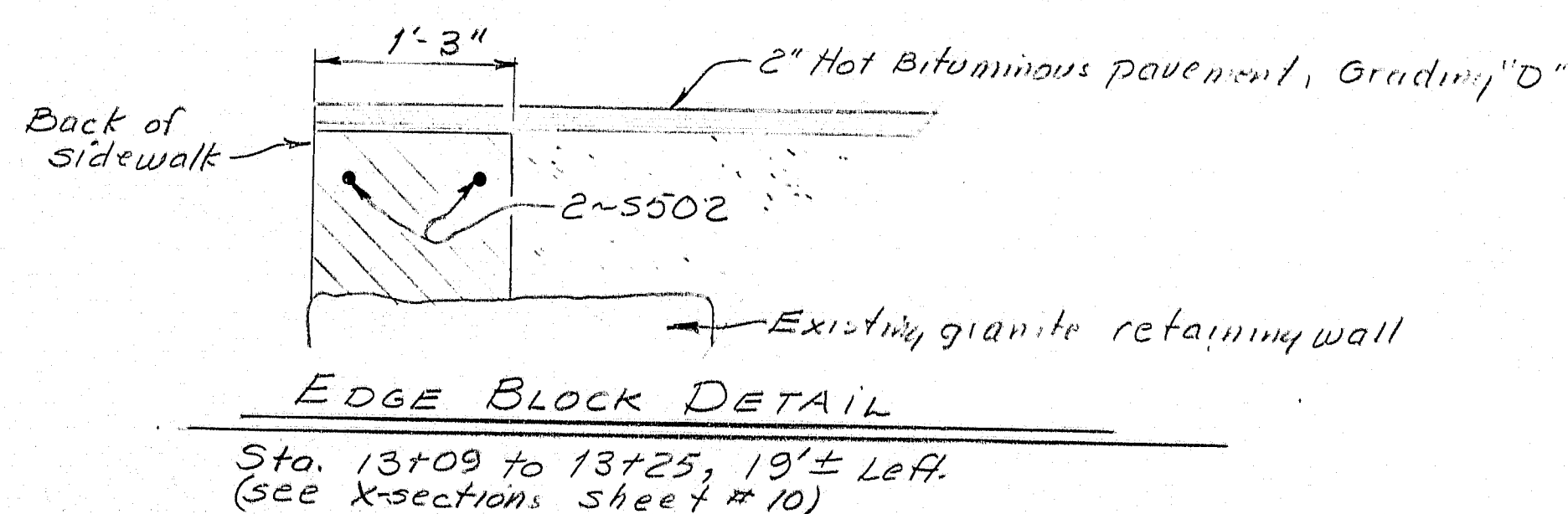
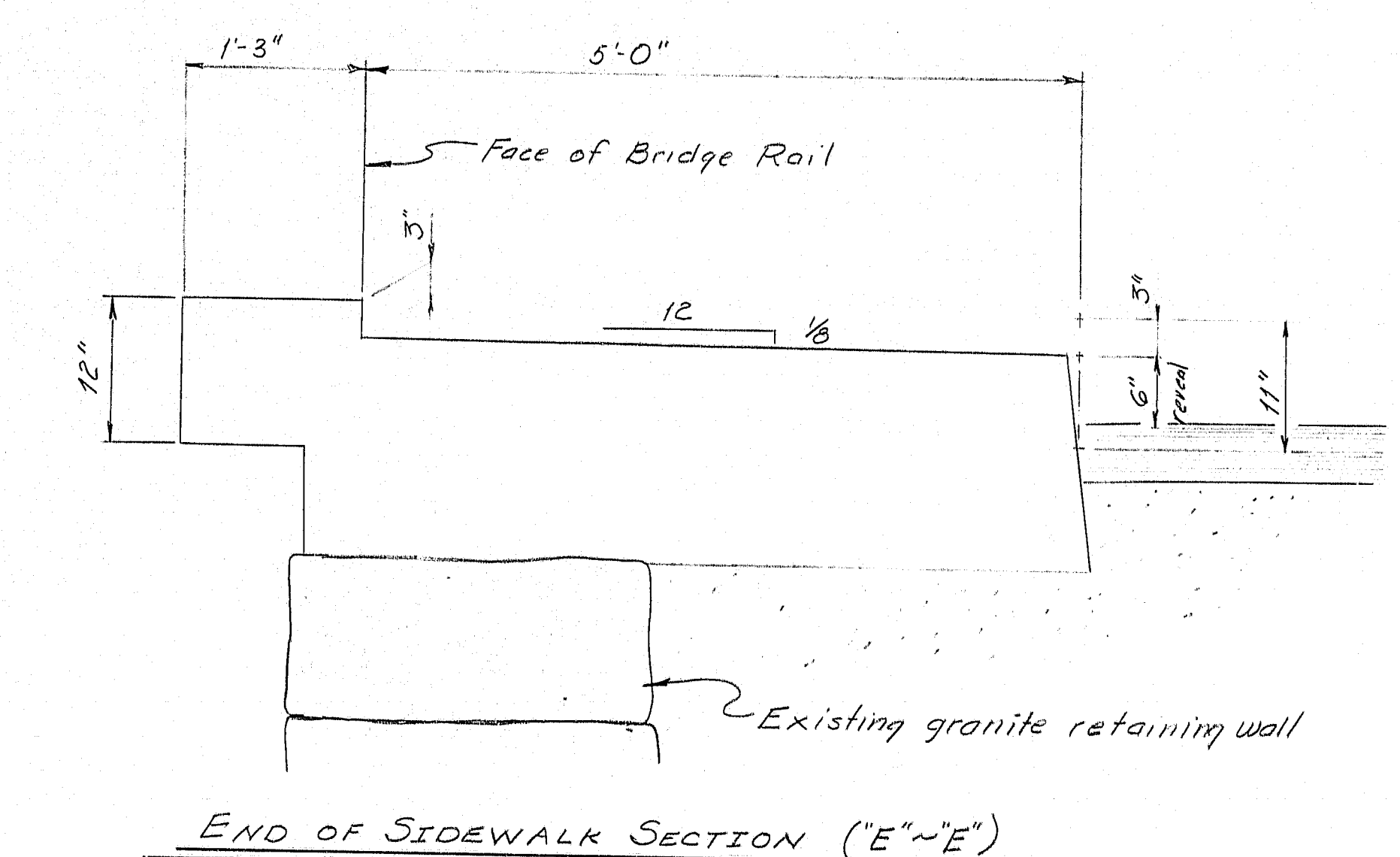
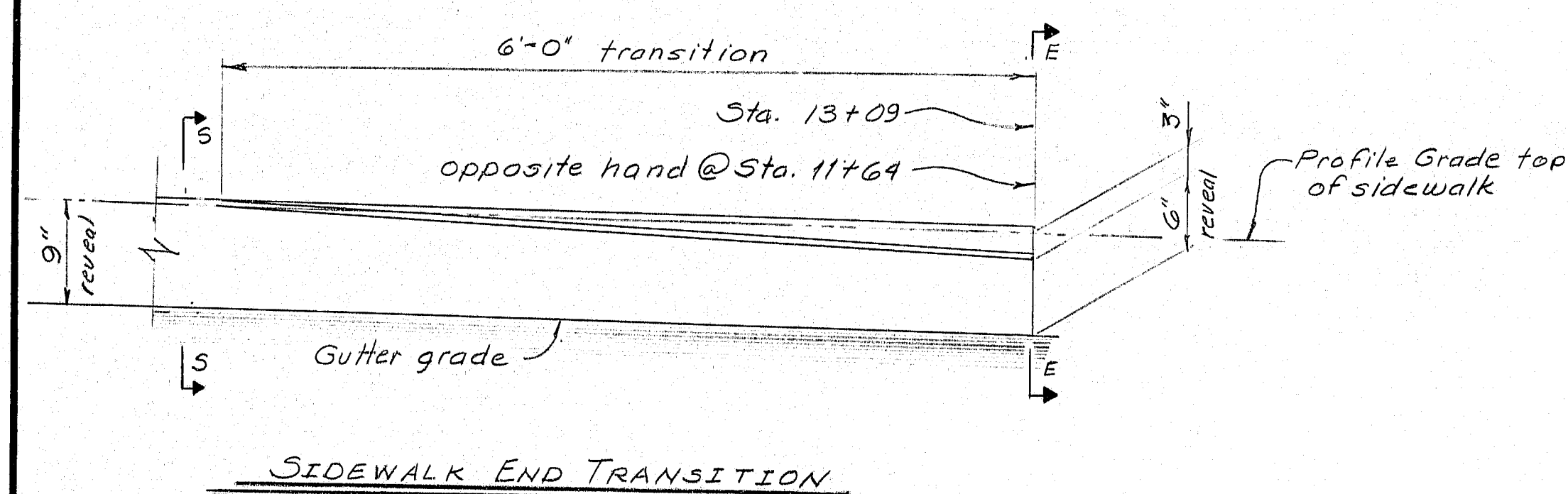
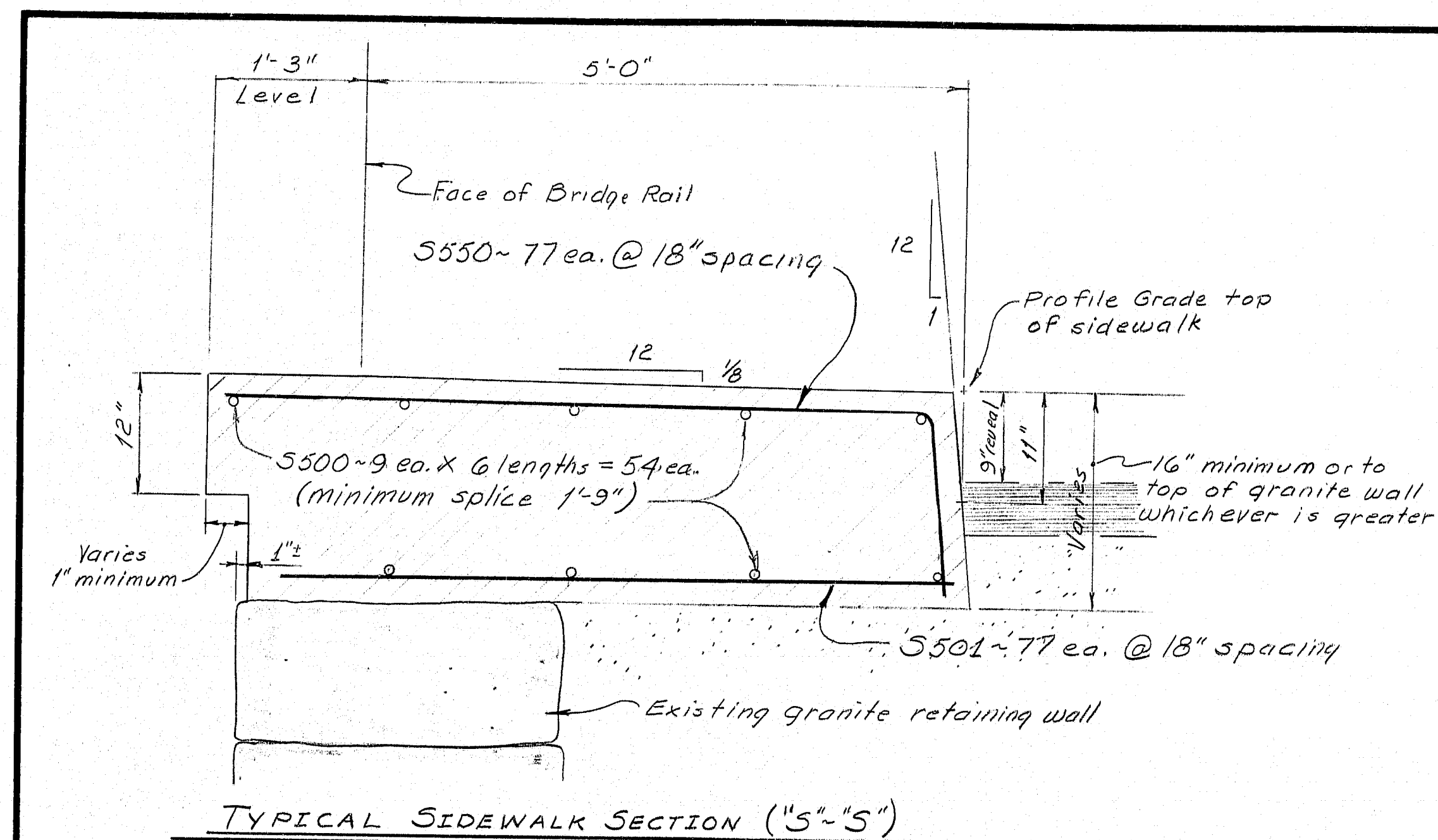
ASTM A615, Grade 60. Bending shall conform to the current revision of ACI Standard 318. Dimensions are out to out of the reinforcing bar.

108-62

As Bt 3/74 L. R. 136

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
Precast Slab Panels
SHEET 4 OF 22 AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	DATE
BY	7/10/74
DESIGN - DETAIL	7/10/74
CHECKED	7/10/74
REVISIONS	
FIELD CHANGES	



Note:
Drill and Grout adjust and cut the rebar to fit.
General rebar layout shall be as shown in
the full section above, except where stones interfere.
Estimated number of R592 required = 66 each.

GENERAL CONSTRUCTION NOTES

(for more notes see sheet #2)

1. Reinforcing steel shall have 2 inches cover unless otherwise indicated.
 2. Protective coating for concrete surfaces shall be applied to the following areas:
 - ~ All exposed surfaces of the superstructure wearing surface, sidewalk, and curb including 1'-0" below the surface at the slab ends.
 - ~ The exterior slab panels fascias down to the drip notch
 - ~ The top of the approach concrete sidewalks and curbs, curb faces, top of inside face of Ret. Wall to 1'-0" below gutter grade.
 3. Form a 1" V-Groove on the fascia at the horizontal joint between the sidewalk and superstructure, the curb and the superstructure, and the approach curb and the retaining wall.
 4. In the approach sidewalks and retaining walls, the reinforcing steel shall be adjusted to fit (Length & Shape) as directed by the Engineer. Cost to be incidental to related contract items.
 5. Excavation for the construction of the approach sidewalks, retaining walls, and the concrete slab entrance walkway shall include the removal of all existing concrete and stones as required for placing the new concrete. Except for the removal of granite backwall stones for the placement of the concrete abutment caps, the large granite abutment stones shall not be removed or disturbed. Payment for Stone removal will be made under Item 206.082, Str. Earth Exav. - Major Str.
 6. During construction the road will be closed to traffic for a time period specified in the special provisions.
 7. Do not excavate for the Aggregate Subbase Course where the existing material is suitable as determined by the Engineer. Payment in these areas for shaping and compacting of the existing subbase and layers of new subbase 6" or less thick, will be made in accordance with Subsection 104.03, Extra Work.
 8. The bridge sidewalk and curb, the concrete approach sidewalks, and the edge block will be constructed in accordance with Section 502, and paid for under Item 508.91, Structural Concrete Superstructure Slab.
 9. The Contractor shall provide and maintain a 3' minimum width access walkway of pedestrian entrances during construction. Payment for all materials and labor required will be considered incidental to related contract items.
 10. Silica Fume Additive shall be included in the concrete mix for the following areas: Un-reinforced Structural Concrete Wearing Surface, Bridge and approach curbs and sidewalks, excluding the Entrance walkway concrete slab.
 11. For easements, construction limits and right-of-way lines refer to Right of Way Map.
 12. All utility facilities shall be adjusted by the respective utility.
- STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

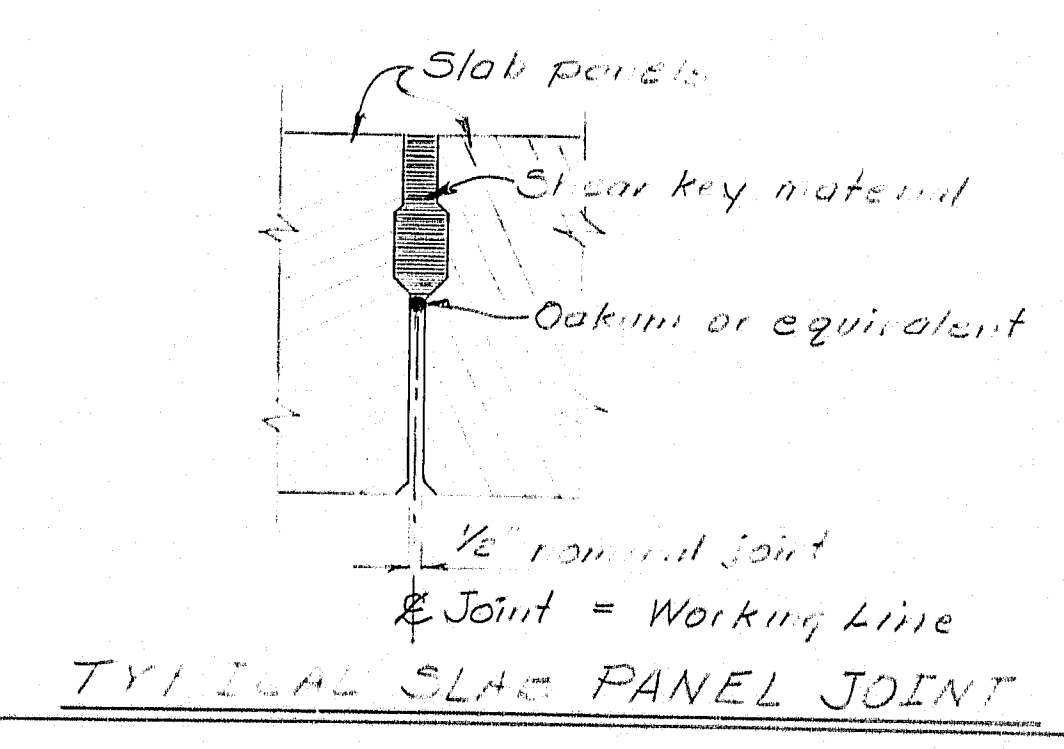
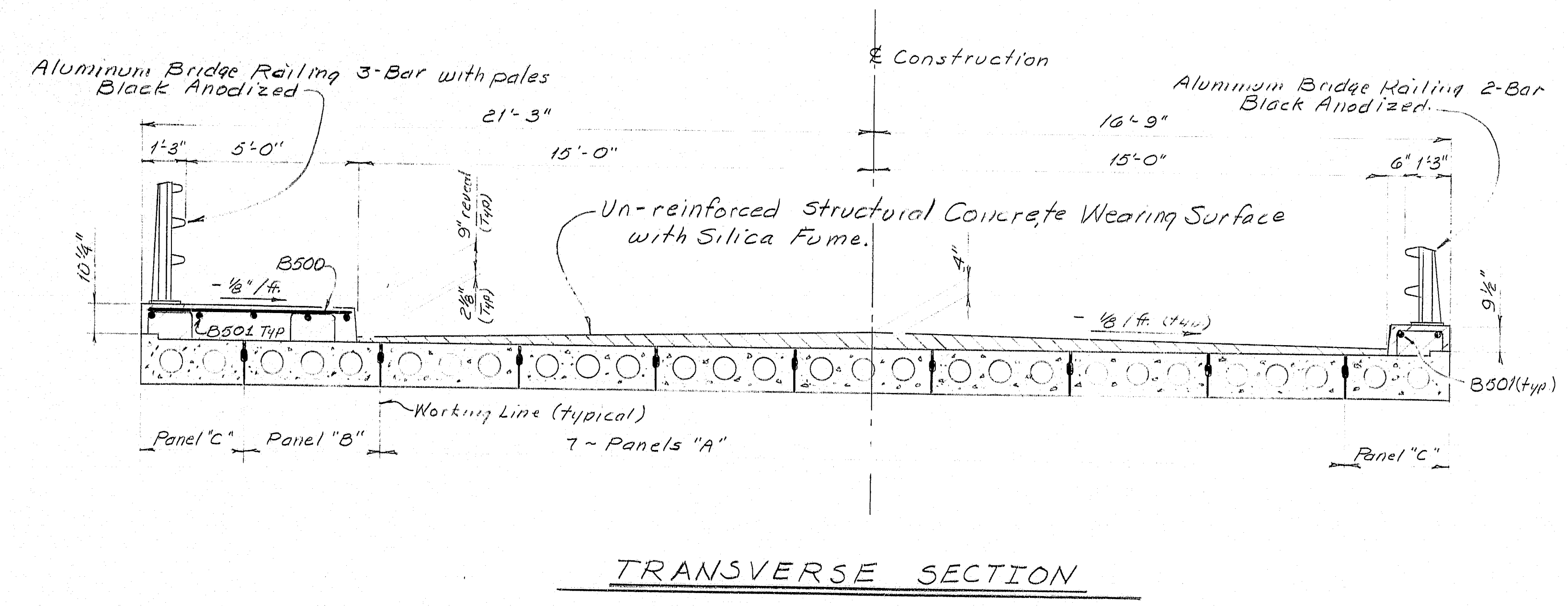
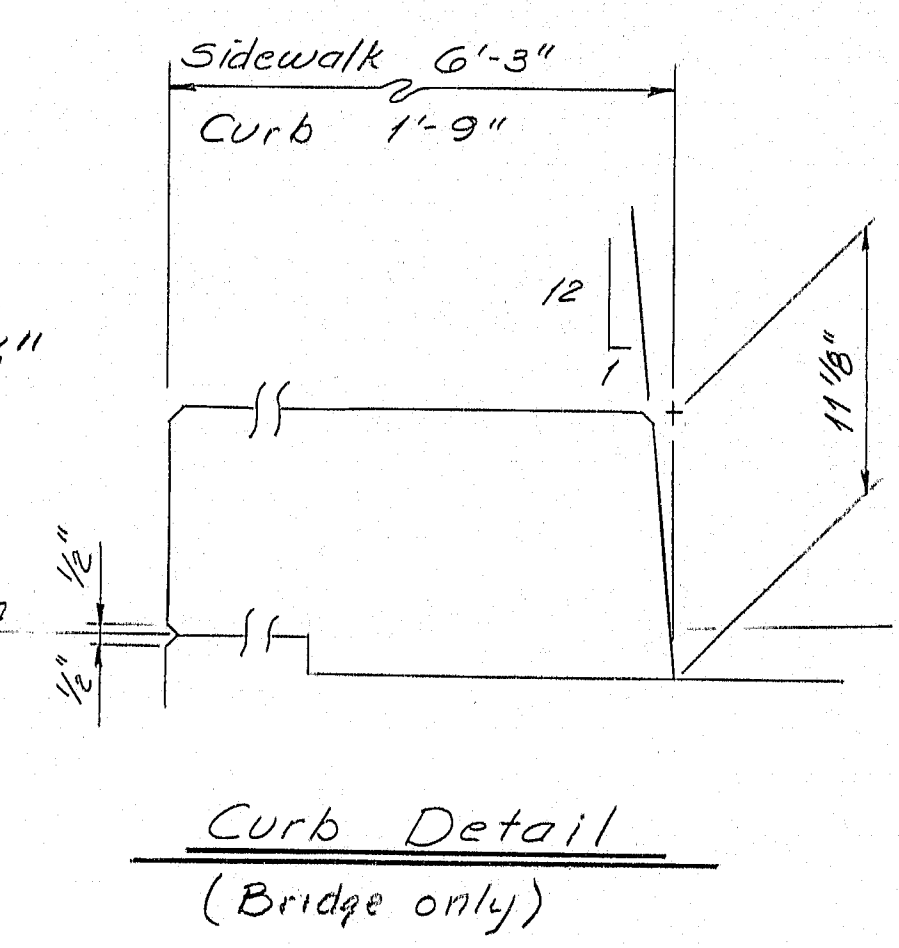
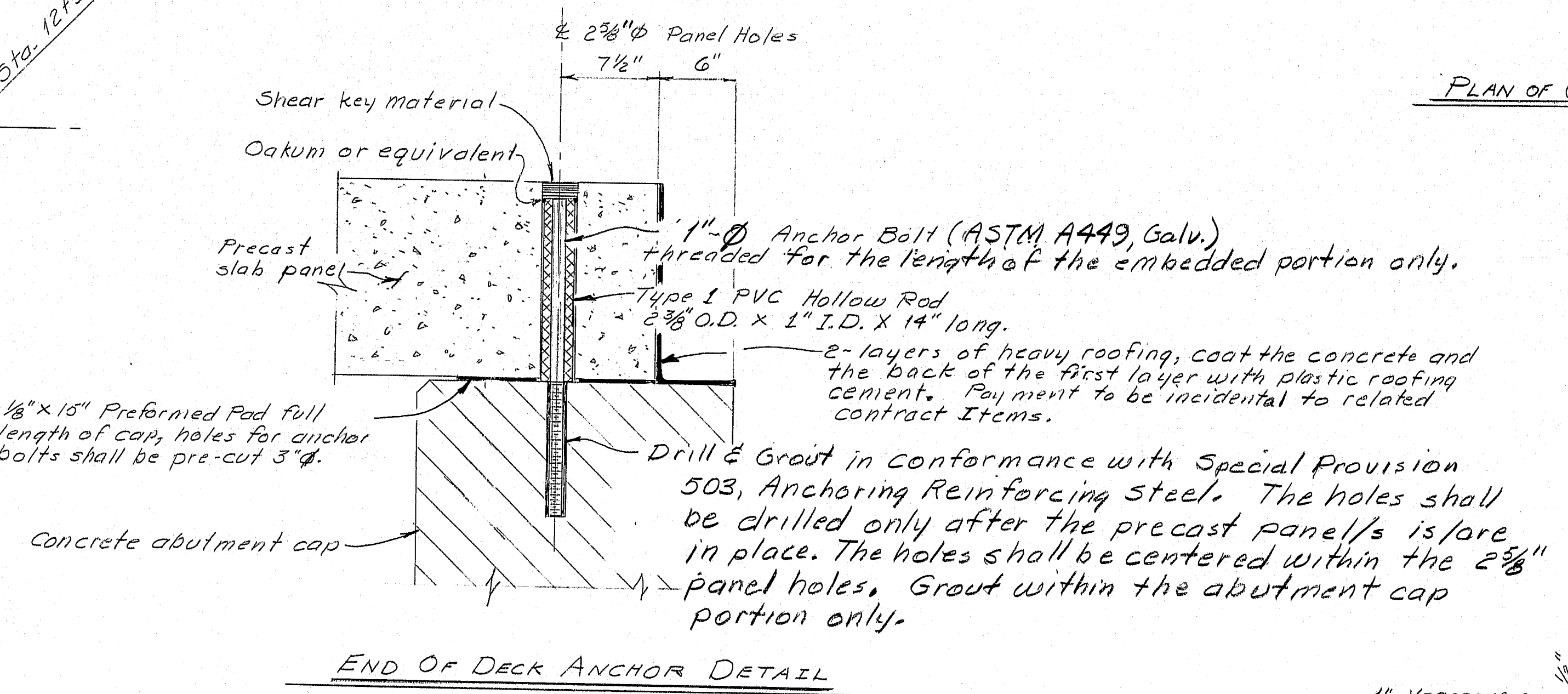
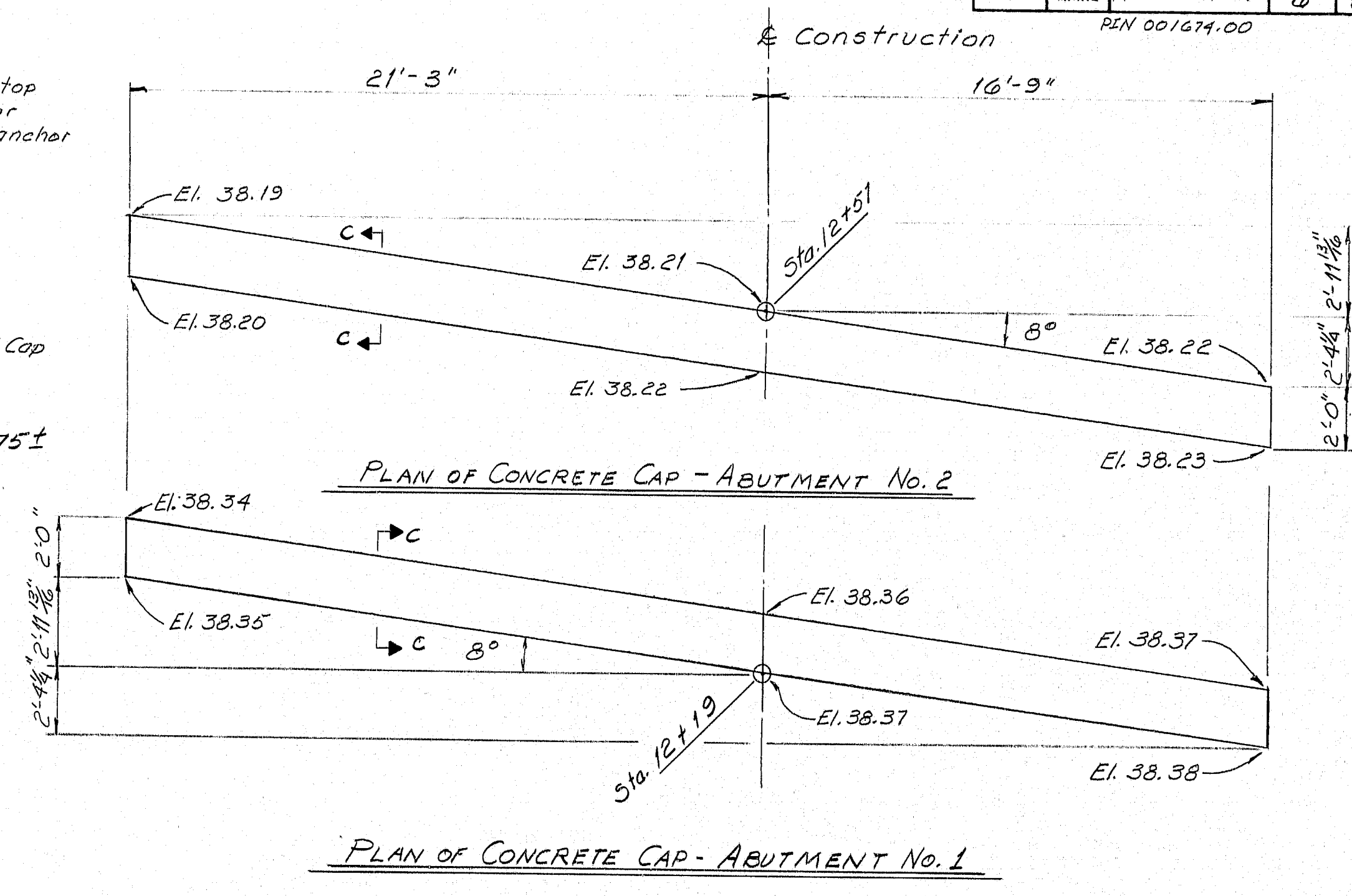
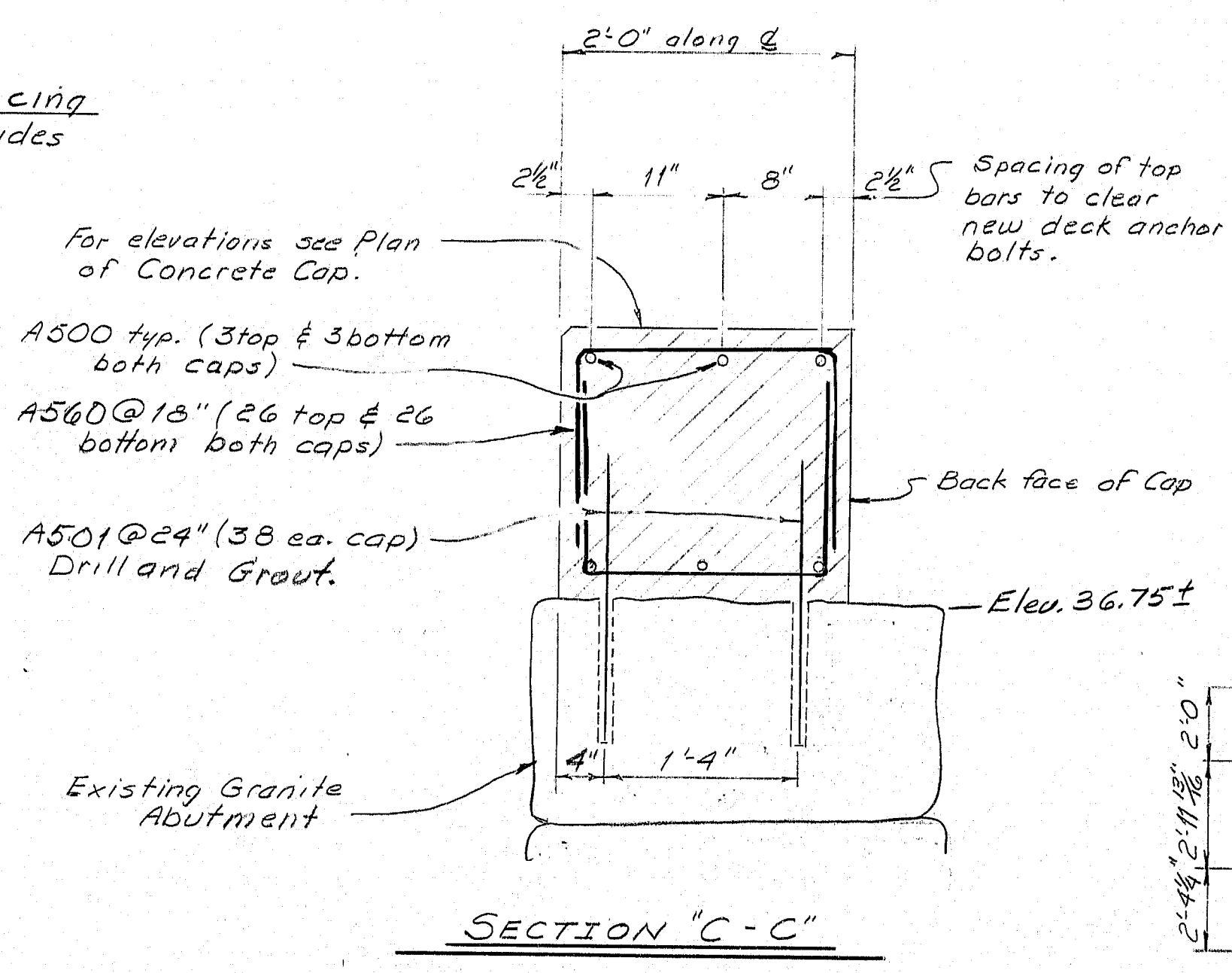
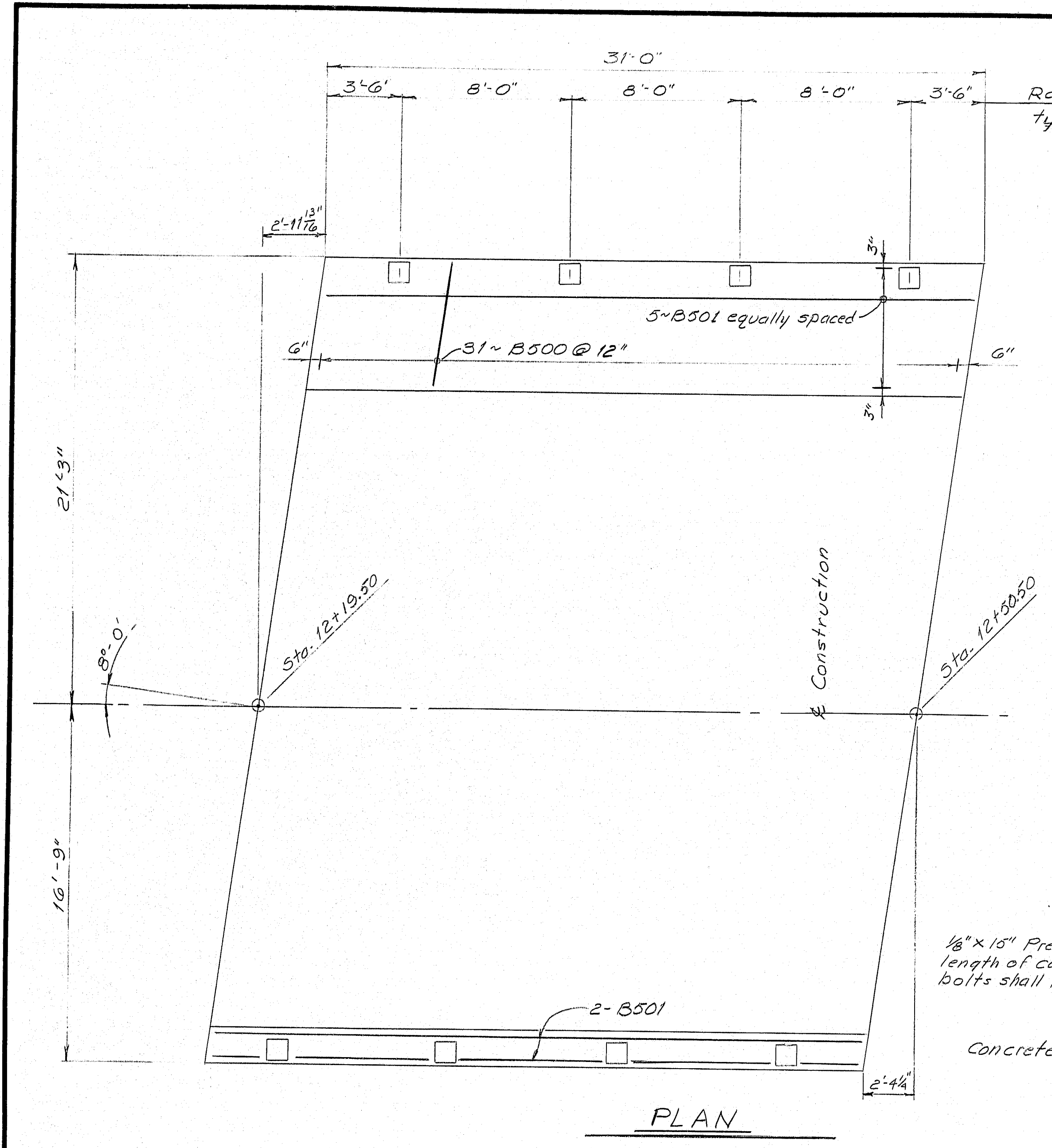
OAK STREET BRIDGE

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MG-STPG -1915(1)	5	22

PIN 001679 00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION 137
OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH
SAGADAHOC COUNTY
Sidewalk, Retaining Wall, and
General Notes
SHEET 5 OF 22 AUGUSTA, MAINE

F.R.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	108-64 (10-5170-1950)	6	22



108-64

As B. H. 3/14 K. K.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
Superstructure Plan & Abut. Caps

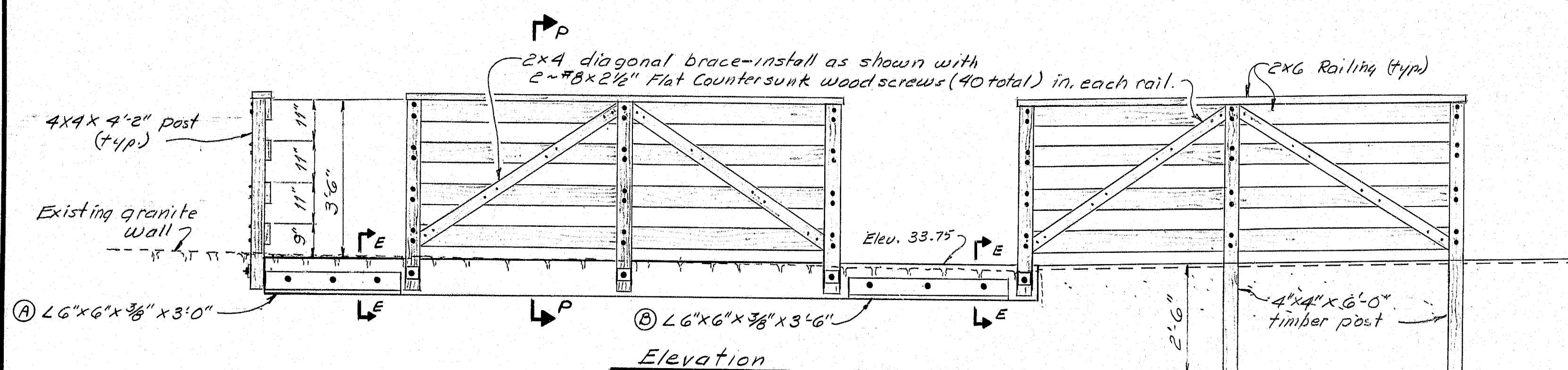
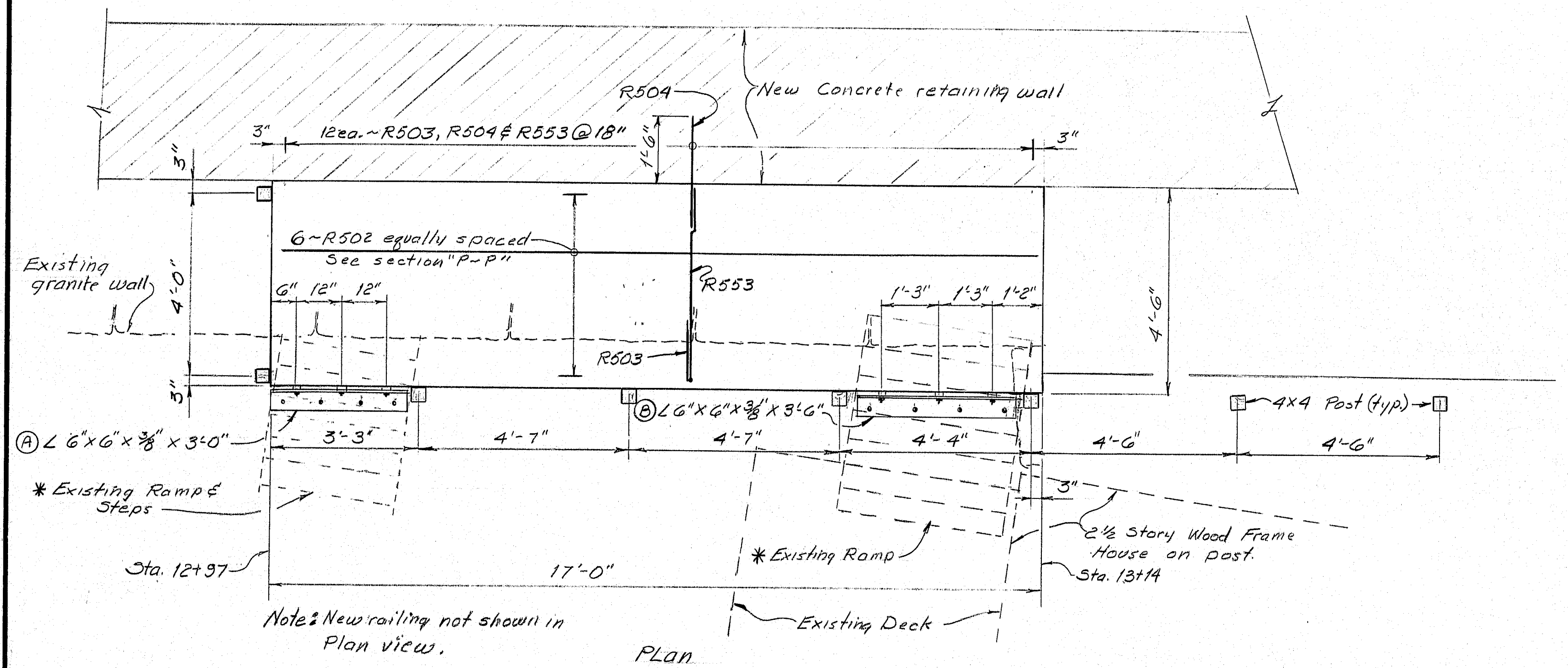
SHEET 6 OF 22 AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	DATE
TAR	6/72
PLANS	REVISIONS
DESIGN-DETAILED	2/17/8
REVISIONS	4/73
FIELD CHANGES	

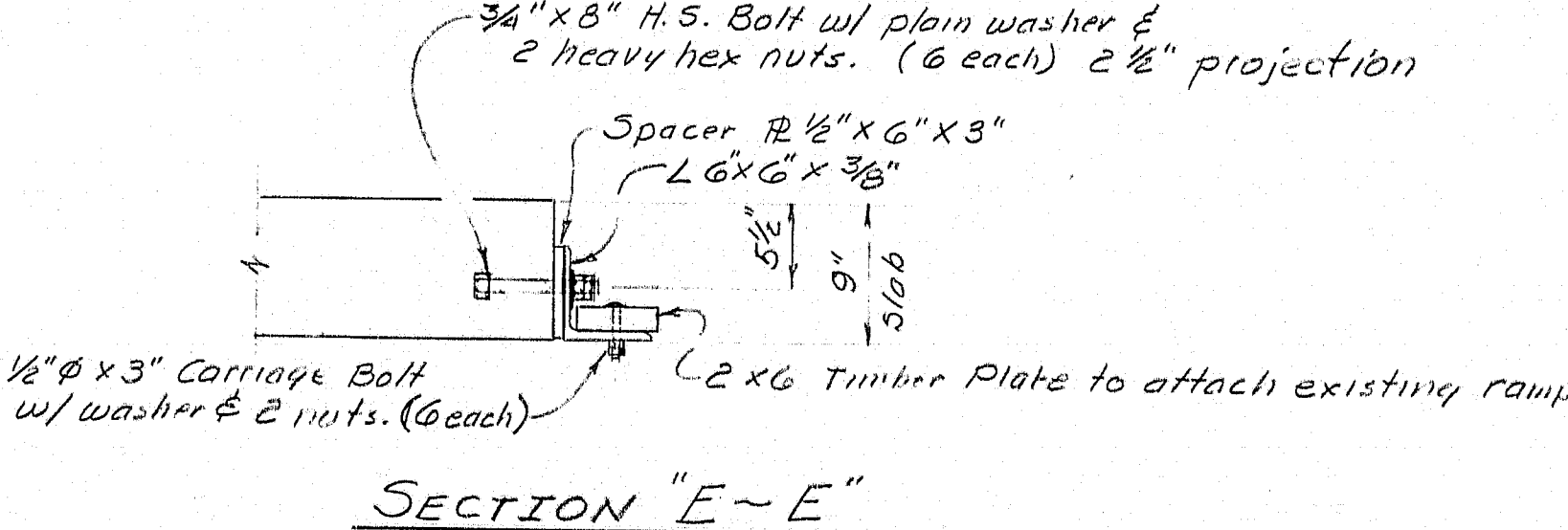
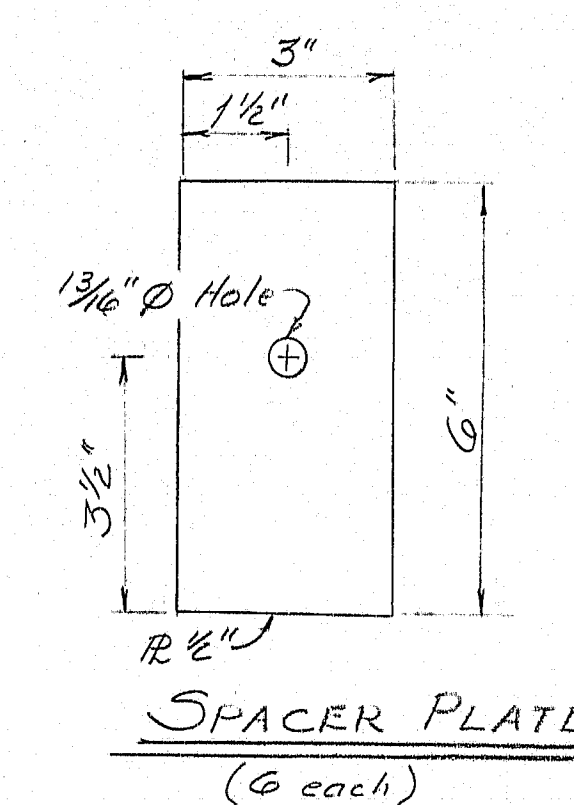
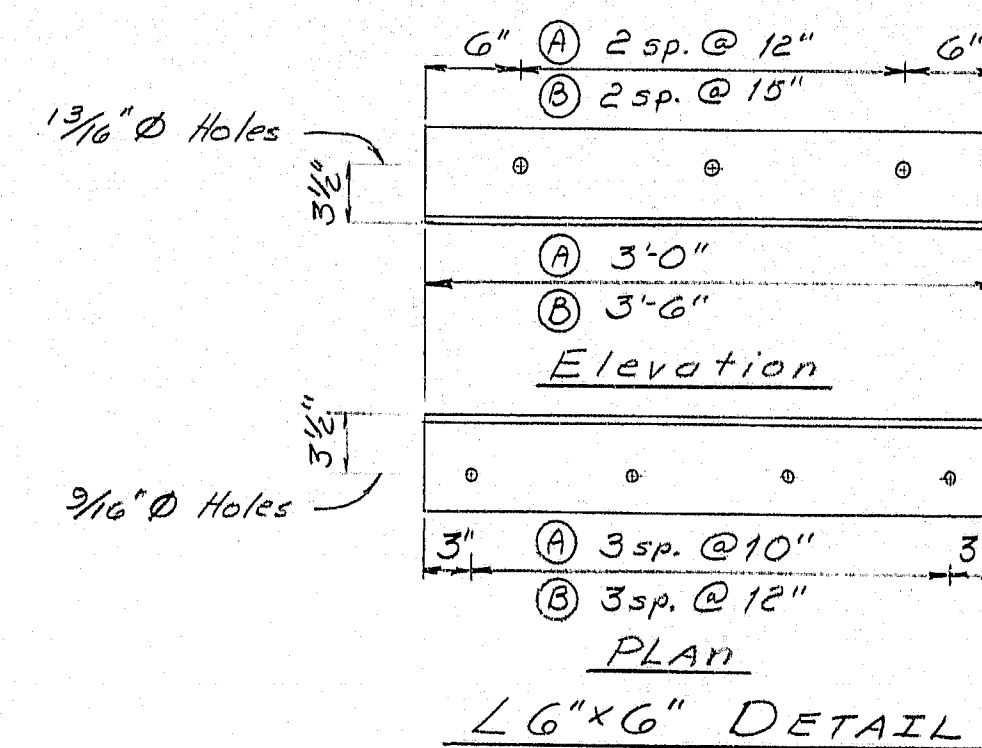
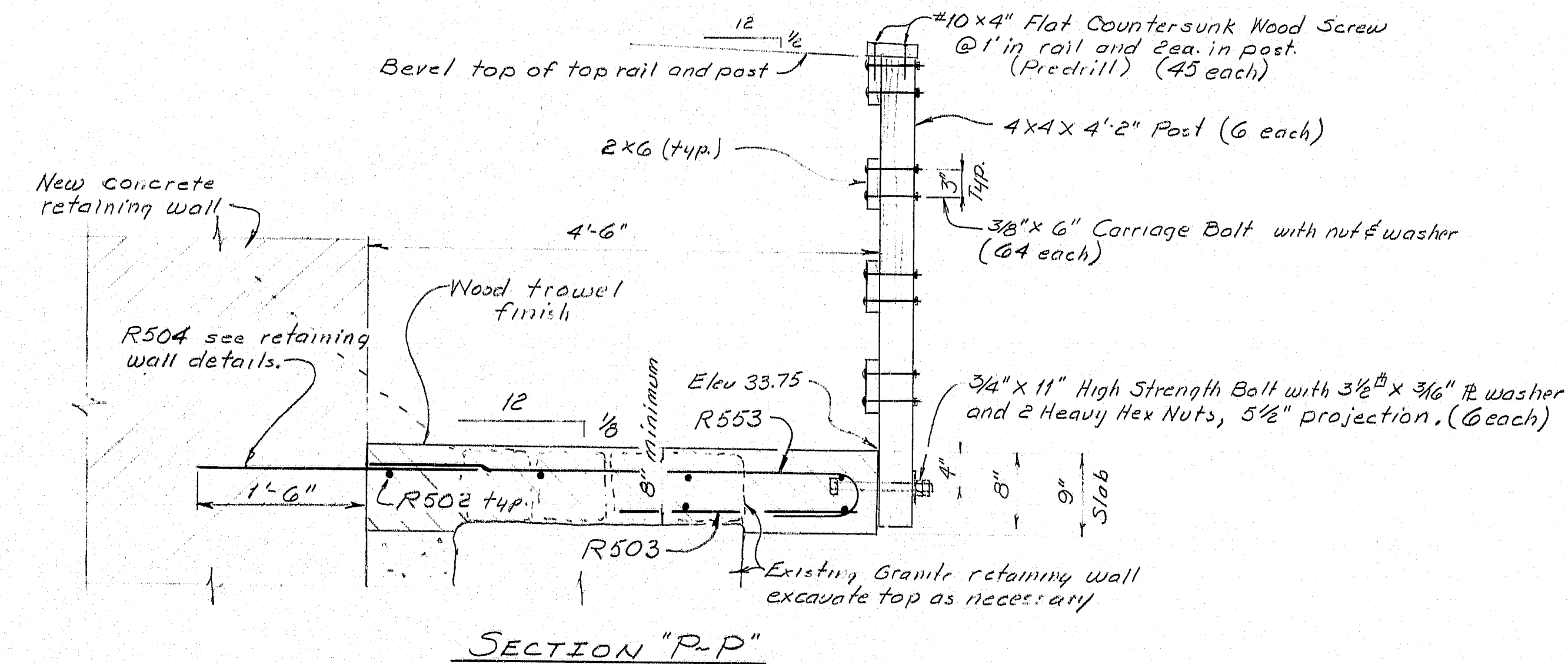
F.R.W.B. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	108-65-10/15/01	7	22

ENTRANCE WALKWAY NOTES

1. Payment for all materials and work required for the construction of the timber railing shall be considered included in the price of Item 608.08 Reinforced Concrete Sidewalk.
2. The concrete Slab Entrance Walkway shall be paid for under Item 608.08, Reinforced Concrete Sidewalk, except that the reinforcing steel will be measured and paid for separately as provided for in Section 503, and excavation will be paid for under Item 206.08 Structural Earth Excavation - Major Structure.
3. Subsection 608.03(e) of the standard specifications shall not apply.
4. * The existing entrance ramps & steps shall be carefully removed and set aside by the contractor. Payment will be incidental to related contract items. The replacement of the entrance ramps & steps shall be by others.
5. All lumber shall be Chromated Copper Arsenate (CCA) pressure treated native timber. The timber shall be approved select structural grade, or better. All hardware such as: screws, bolts, nuts, washers, steel angles and plates shall be hot dipped galvanized. Bolts shall be ASTM A325 Type L, steel angles and plates shall be ASTM A709 Grade 36.



CONCRETE SLAB ENTRANCE WALKWAY



108-65

As Bn 1/4 3/74 R. M. M.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION 139

OAK STREET BRIDGE
OVER
MAINE CENTRAL RAILROAD
IN THE CITY OF
BATH
SAGadahoc COUNTY
Concrete Slab Entrance Walkway

SHEET 7 OF 22 AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	DATE
GMB	10/15/01
CHECKED	REVISIONS
J.A. ZIMMERMAN	4/7/03
FIELD CHANGES	

Scale 1/2" = 1'-0"

REVISION 457101

[illegible]

GENERAL NOTES
1-First digit(s) following the letter of the mark indicates size of the bar: Mark (A502) bar size=#5 Mark (P1001) bar size=#10 Mark (S603) bar size=#6 2-Each truss bar, Type B, may be replaced by two (2) straight bars (one top and one bottom) of the same bar size as the truss bar. Payment in either case shall be based on truss bars as scheduled on plans.

108-66

REVISIONS	DATE
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
OAK STREET BRIDGE OVER MAINE CENTRAL RAILROAD IN THE CITY OF BATH SAGadahoc COUNTY Reinforcing Steel Schedule	
SHEET 12 OF 22 AUGUSTA, MAINE	

PROJECT DESIGN ENGINEER		BY	DATE
PLANS	DESIGN-DETAILED	<i>GMB</i>	<i>1/1/92</i>
	CHECKED		
	REVISIONS	<i>d. J. Turpeck II</i>	<i>1/1/93</i>
FIELD CHANGES			

04MAR92-0100.50