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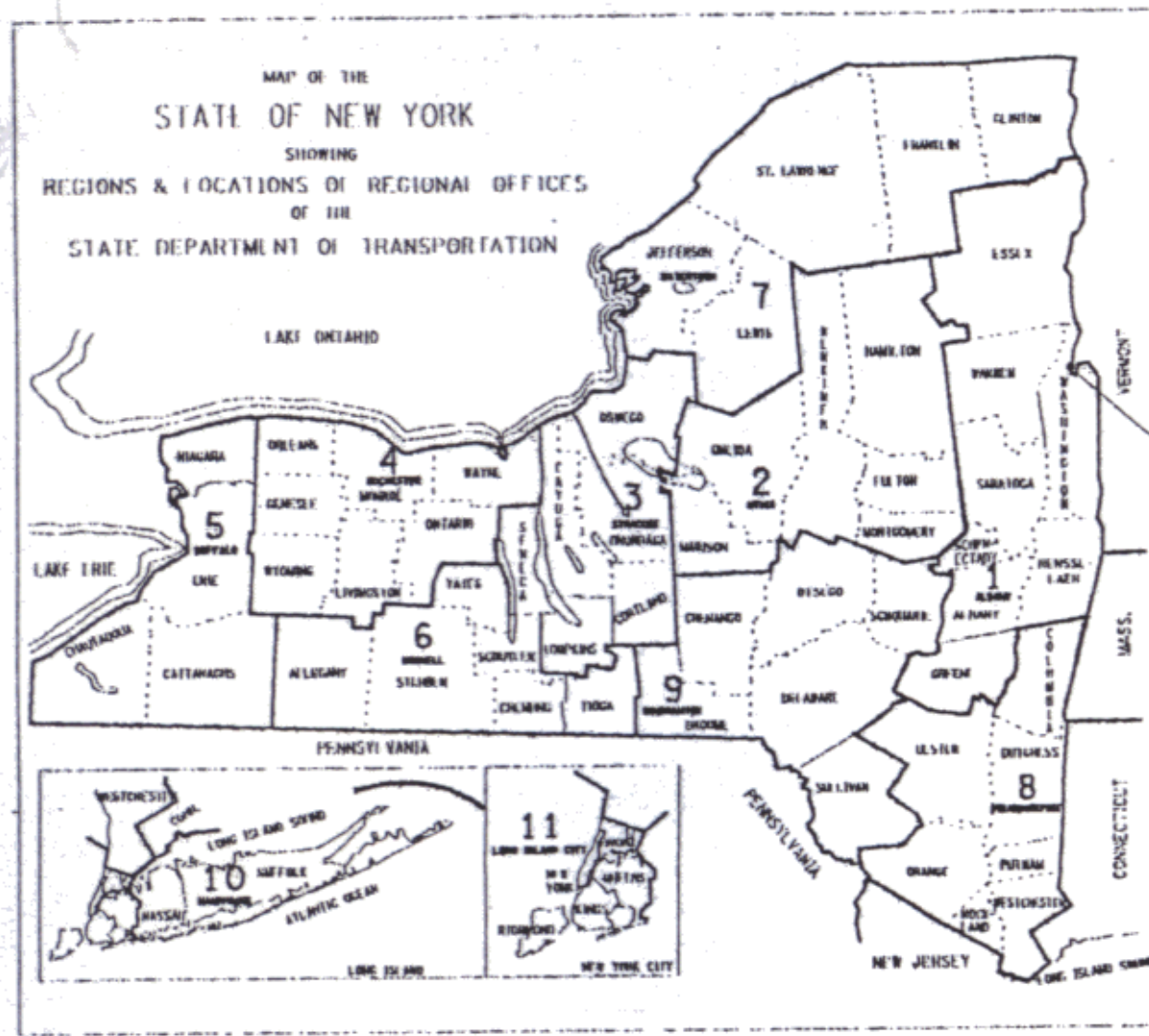
ESTIMATED BY EKT

CHECKED BY LAK

DESIGNED BY EKT

JOB MANAGER TJC

SIGN SUPERVISOR TJC



SITE OF WORK



STATE OF NEW YORK  
DEPARTMENT OF TRANSPORTATION  
OFFICE OF ENGINEERING

**P.I.N. 1753.76**  
**COUNTY ROAD 18 OVER POULTNEY RIVER**  
**TOWN OF HAMPTON, NY / POULTNEY, VT**  
**WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT**

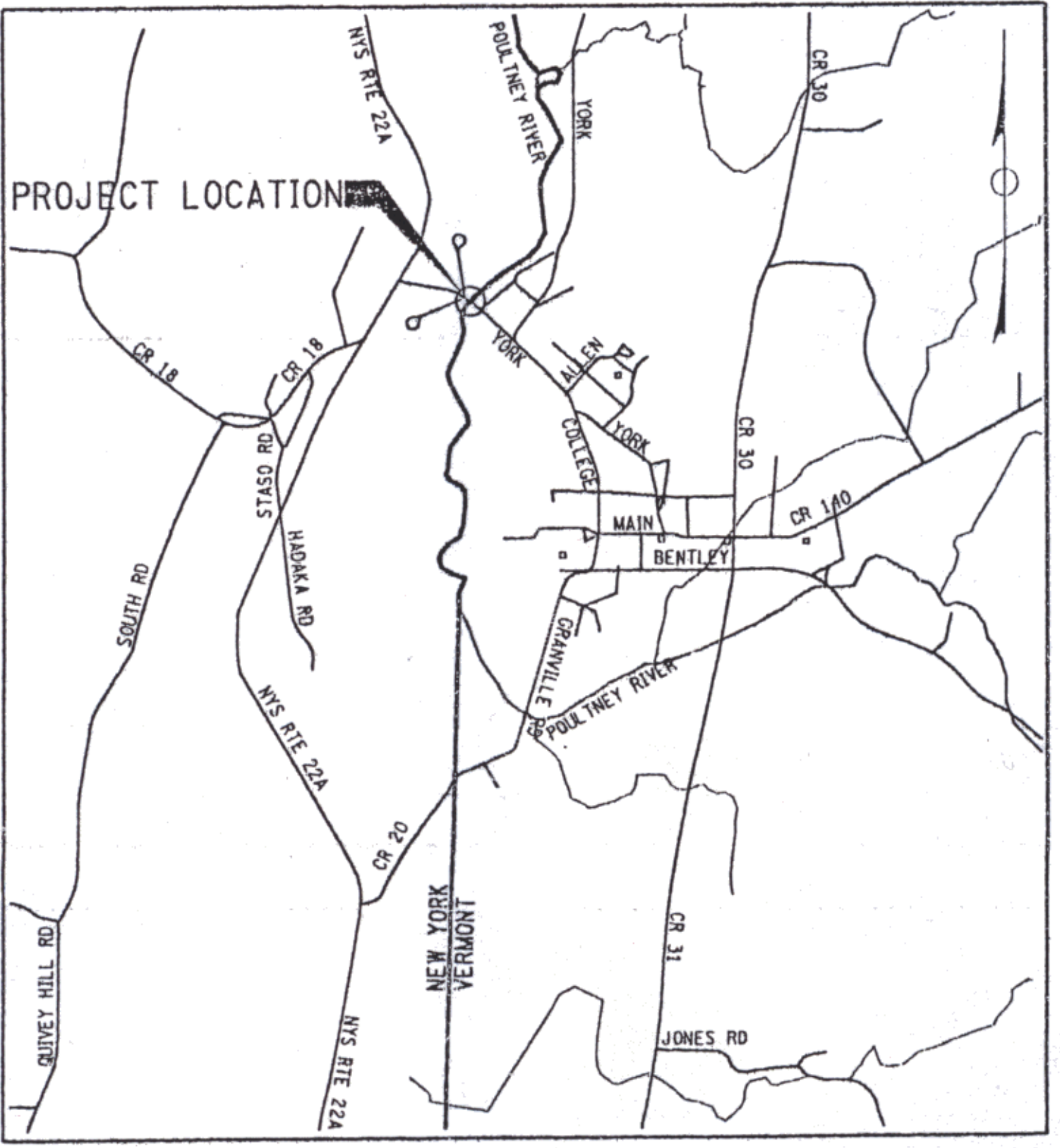
STANDARD SHEETS

M203-1, M203-2, M606-3, M607-2, M619-4, M619-5, M645-50,  
M645-51, M645-52, M645-55, M645-56, M685-1

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY  
AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (METRIC UNITS)  
OF JANUARY 2, 1995, AS AMENDED BY ADDENDA NOS. 1 AND 2 WITH CURRENT  
REVISIONS AND MODIFICATIONS, EXCEPT AS MODIFIED ON THESE PLANS AND IN  
THE ITEMIZED PROPOSAL.

S

CONTRACTOR'S NAME	<u>PICARDI EXCAVATING CORP.</u>
AWARD DATE	<u>7-22-02</u>
COMPLETION DATE	<u>6-13-03</u>
FINAL ACCEPTANCE DATE	<u>7-11-03</u>
ENGINEER IN CHARGE	<u>LAWRENCE STEVENS</u> <i>Earth Tech</i>
FINAL COST TOTAL	<u>\$620,043.31</u>
FISCAL SHARE	COST(S)



PROJECT LOCATION

PREPARED BY

**EARTH TECH**  
A **tyco** INTERNATIONAL LTD. COMPANY  
40 BRITISH AMERICAN BOULEVARD  
LATHAM, NEW YORK 12110



THOMAS J. CASCINO, P.E. NO. 072511

PREPARED FOR:



WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

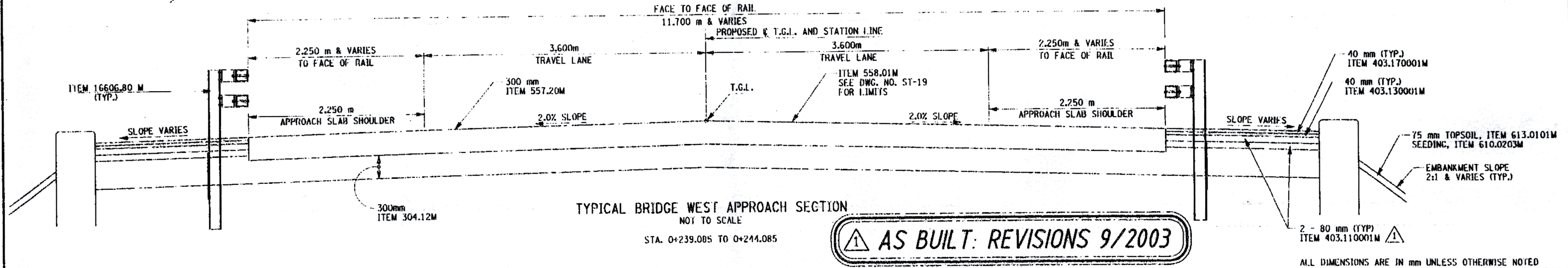
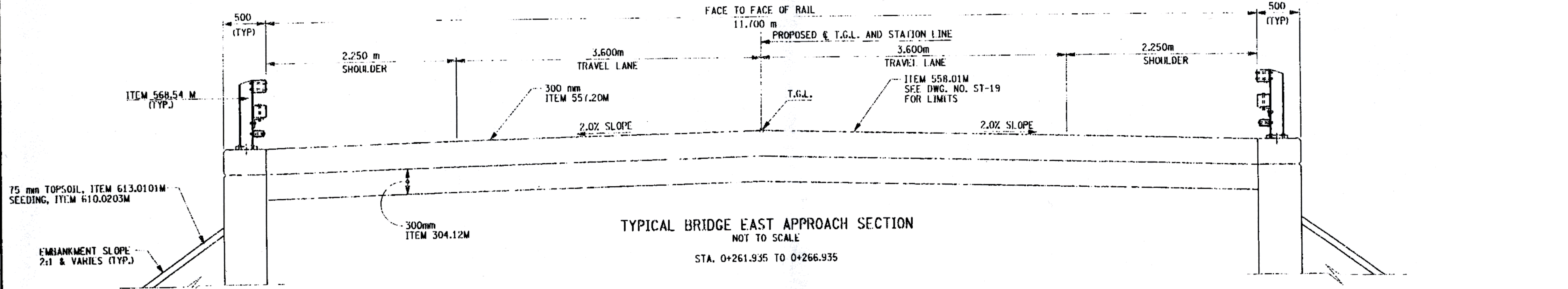
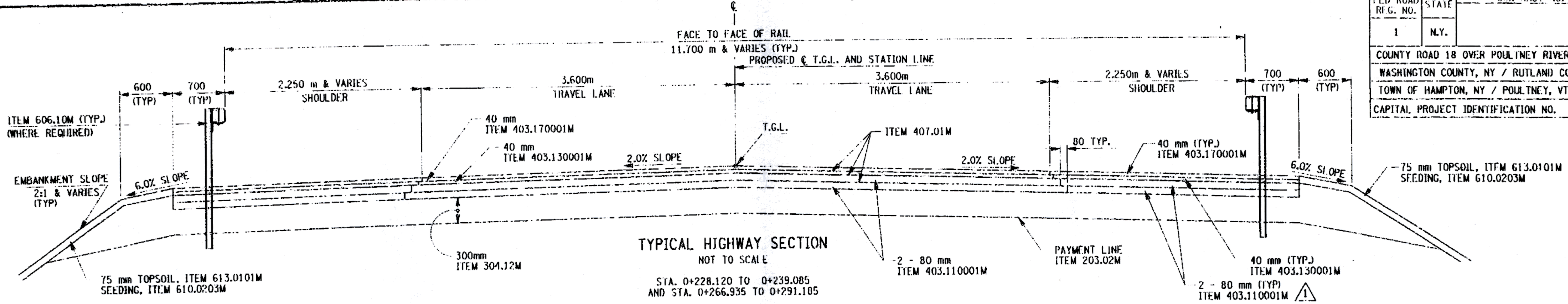
RECOMMENDED BY:

Willy F. Grimmke 4/2/01  
WILLY F. GRIMMKE, P.E.  
SUPERINTENDENT OF PUBLIC WORKS DATE:

COUNTY ROAD 18 OVER POULTNEY RIVER			
TOWNS OF HAMPTON, NY/POULTNEY, VT			
WASHINGTON CTY, NY/RUTLAND CTY, VT			
BIN 3306390			
FED. ROAD REG. NO.	STATE	SHEET NO.	TOTAL SHEETS
1	N.Y.	1	43
FEDERAL AID PROJECT NO.			
CAPITAL PROJECT IDENTIFICATION NO. 1753.76			
INDEX ON SHEET NO. 2			

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		3	43

COUNTY ROAD 18 OVER POULINEY RIVER  
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT  
TOWN OF HAMPTON, NY / POULTNEY, VT  
CAPITAL PROJECT IDENTIFICATION NO. 1753.76



**AS BUILT: REVISIONS 9/2003**

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02M	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM			
304.12M	SUBBASE COURSE, TYPE 2	CM			
403.110001M	ASPHALT CONCRETE - TYPE 1 BASE COURSE	MT			
403.130001M	ASPHALT CONCRETE - TYPE 3 BINDER COURSE	MT			
403.170001M	ASPHALT CONCRETE - TYPE 6F TOP COURSE (RICTION)	MT			
407.01M	TACK COAT	L			
557.20M	STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE	SM			
558.01M	TRANSVERSE SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE	SM			
606.10M	BOX BEAM GUIDE RAILING	M			
16606.80M	TRANSITION - BRIDGE RAILING OR CONCRETE BARRIER TO BOX BEAM GUIDE RAILING	M			
610.0203M	ESTABLISHING TURF	SM			
613.0101M	TOPSOIL	CM			

- NOTES:
1. THE TYPICAL HIGHWAY SECTION DETAILS SHALL BE USED TO RECONSTRUCT THE INTERSECTION AREA ON THE WEST SIDE OF THE BRIDGE AS DETAILED ON DWG. NO. MPT-3. THIS AREA SHALL NOT BE RECONSTRUCTED UNTIL THE NEW BRIDGE AND APPROACHES ARE COMPLETED, AND THE TEMPORARY CONCRETE BARRIERS ARE REMOVED. THE WORK AREA SHALL BE STAGED TO PROVIDE FOR TRAFFIC MOVEMENTS WITHIN THE INTERSECTION, AND NO DROP-OFFS WILL BE ALLOWED DURING NON-WORK HOURS. THE CONTRACTOR SHALL SUBMIT A WORK SEQUENCE PRIOR TO COMMENCING WORK IN THIS AREA.
  2. TACK COAT (ITEM 407.01 M) SHALL BE APPLIED BETWEEN ASPHALT CONCRETE COURSES AT A RATE OF 0.14 L/m<sup>2</sup>.
  3. TACK COAT (ITEM 407.01 M) SHALL BE APPLIED TO ALL SAWCUT AND EXISTING SURFACES PRIOR TO PAVING.
  4. ANY DAMAGE TO EXISTING PAVEMENT OUTSIDE THE PROPOSED WORK LIMITS SHALL BE REPAIRED (A.O.B.E.) BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE COUNTY.
  5. THE BOTTOM PAYMENT LIMIT FOR ITEM 203.02M UNDER THE PAVEMENT SHALL BE TO THE BOTTOM OF PROPOSED SUBBASE COURSE OR BOTTOM OF THE EXISTING PAVEMENT, WHICHEVER IS LOWER.

AS BUILT REVISIONS

*Signature* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULINEY RIVER

TYPICAL SECTIONS

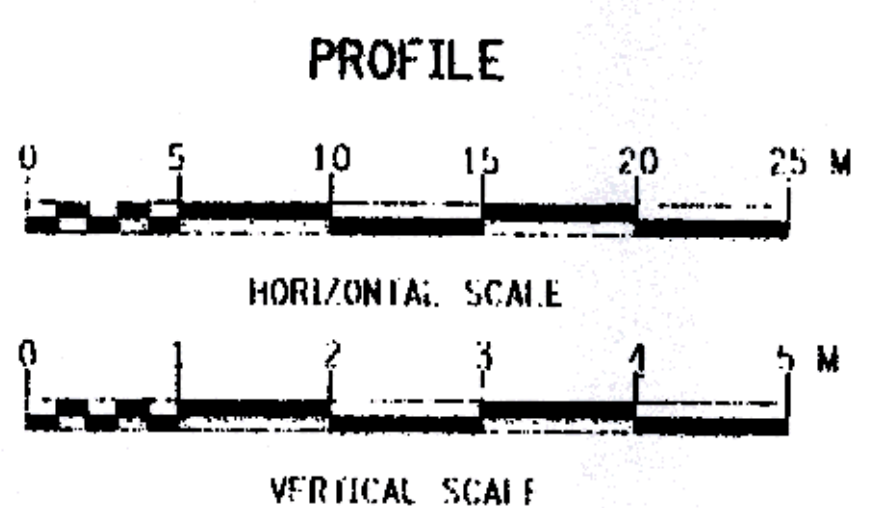
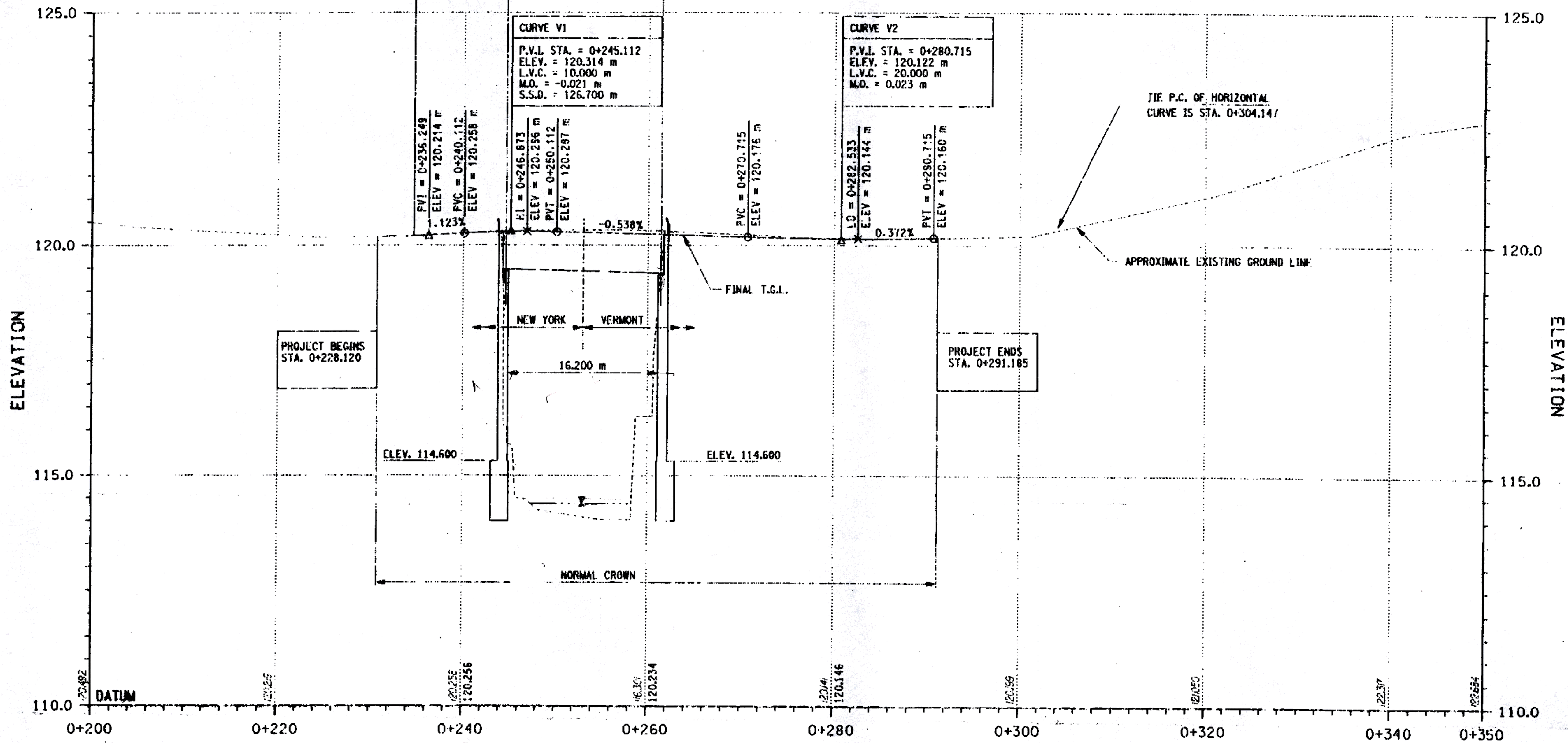
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

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USER = JTC

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CHECKED BY LJC  
ESTIMATED BY EKT  
CHECKED BY EKT  
DRAFTED BY RJK  
CHECKED BY EKT

FLD ROAD REG. NO.	STAIF	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		12	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



**AS BUILT: NO REVISIONS 9/2003**

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AS BUILT REVISIONS

*Lawrence E. Stevens* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULTNEY RIVER  
**PROFILE**

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

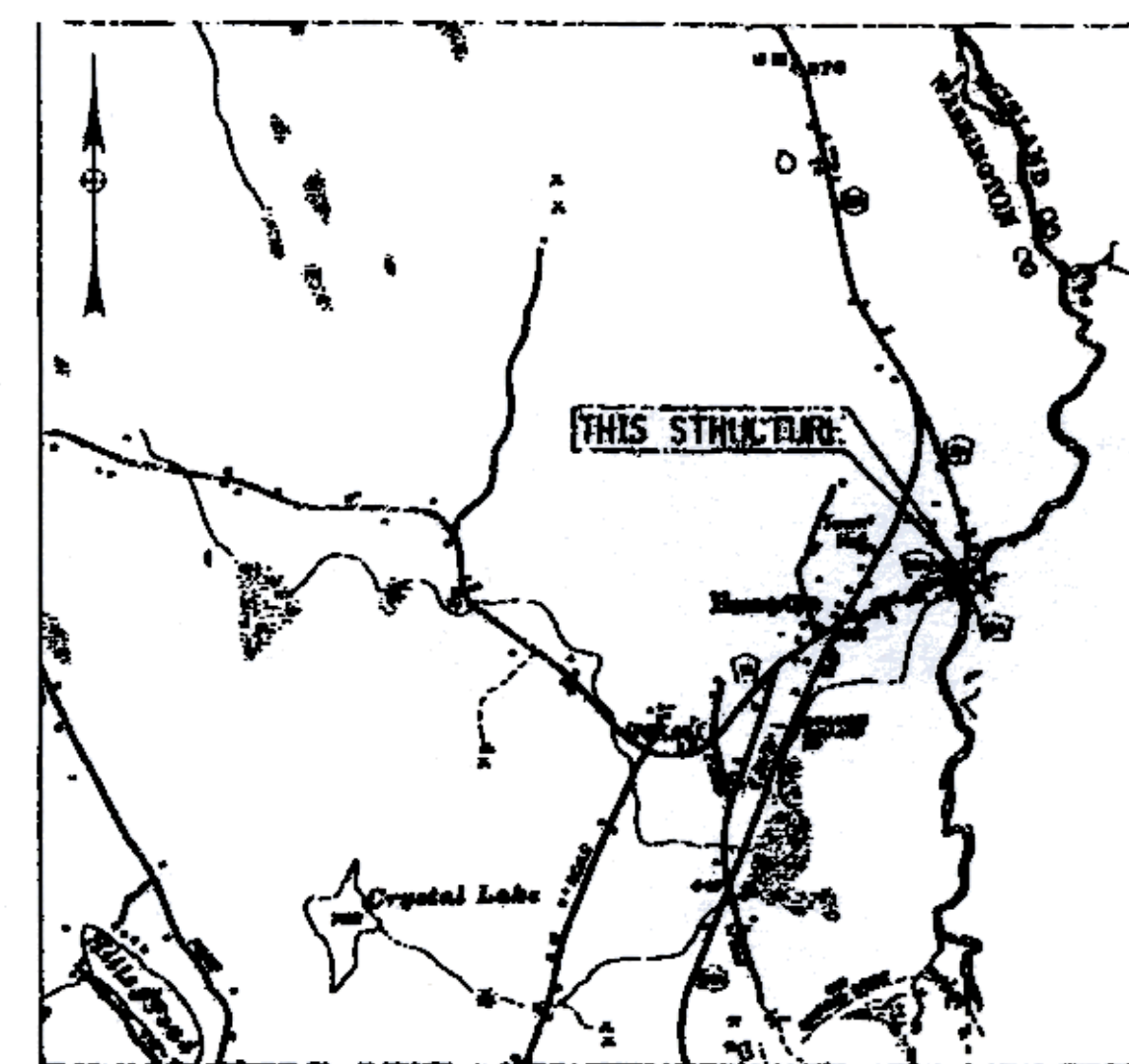
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JOB MANAGER: IJC  
DESIGNED BY: EXT  
ESTIMATED BY: EXT  
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FED ROAD RLG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		17	43

COUNTY ROAD 18 OVER POULTNEY RIVER  
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT  
TOWN OF HAMPTON, NY / POULTNEY, VT  
CAPITAL PROJECT IDENTIFICATION NO. 1753.76



LOCATION MAP  
THORN HILL QUADRANGLE  
SCALE: 1:24000

ELECTRICAL SAFETY NOTE:  
HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO ELECTRICAL SAFETY NOTE CONTAINED IN THE CONTRACT PROPOSAL FOR SPECIAL CONTRACTOR SAFETY REQUIREMENTS. SEE DRAWING NO. GP-1 FOR LOCATIONS.

HORIZONTAL CURVE DATA		
	CURVE 1	CURVE 2
PC STATION	0+223.489	0+304.147
RADIUS	75,000 m	500,000 m
LENGTH OF CURVE	20.416 m	12.248 m

HYDRAULIC DATA			
		BASIC FLOOD	DESIGN FLOOD
DRAINAGE AREA	124.96 km <sup>2</sup>	100	50
RECURRENCE INTERVAL (YEARS)		107.6	87.8
PEAK DISCHARGE (m <sup>3</sup> /S)		116.12	115.89
HIGH WATER ELEVATION AT	EXISTING	116.12	115.89
POINT OF MAX. BACKWATER	PROPOSED	116.12	115.89
AVG. VELOCITY THRU STRUCTURE @ DESIGN FLOOD = 3.95 m/S			

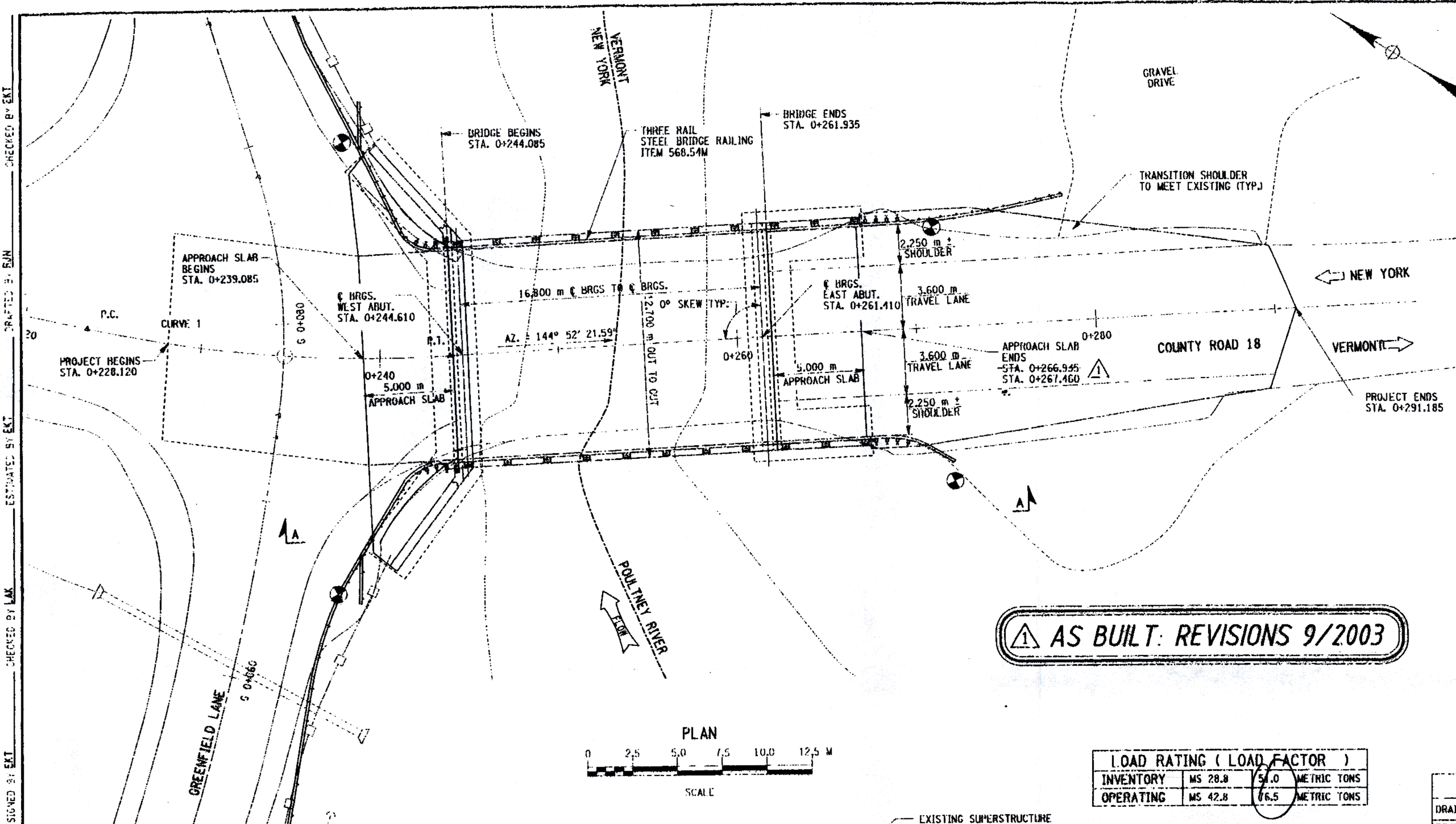
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ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

*Lawrence S. Attanasio* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULTNEY RIVER  
PLAN AND ELEVATION

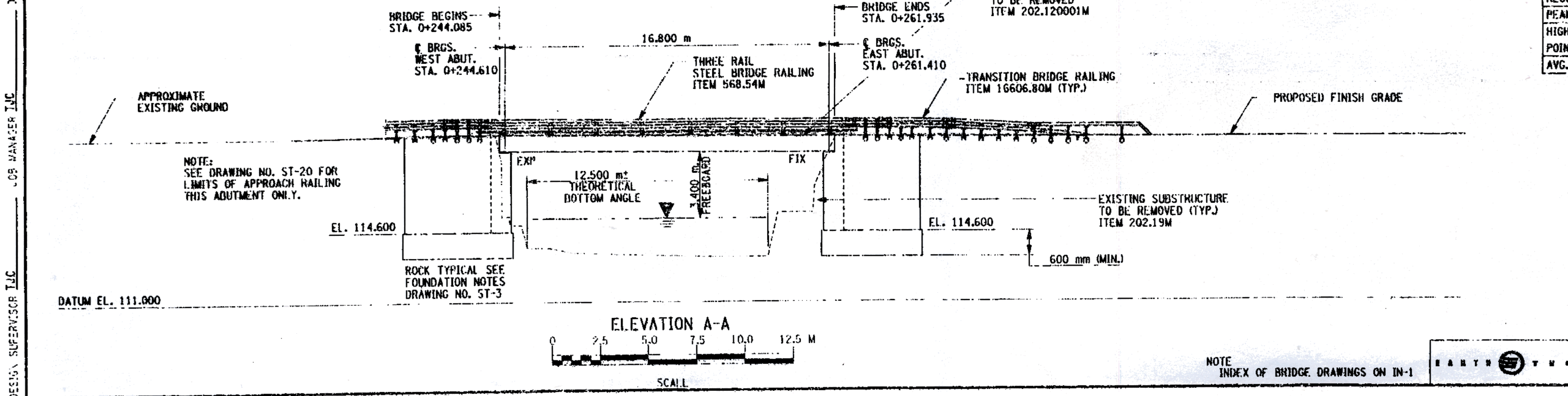
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

FILENAME	REGION	DATE	DRAWING NO.
175376AA.G1A	ONE	3/2002	ST-1



**AS BUILT REVISIONS 9/2003**

LOAD RATING (LOAD FACTOR)		
INVENTORY	MS 28.8	54.0 METRIC TONS
OPERATING	MS 42.8	86.5 METRIC TONS



NOTE:  
SEE DRAWING NO. ST-20 FOR  
LIMITS OF APPROACH RAILING  
THIS ADJUSTMENT ONLY.

ROCK TYPICAL SEE  
FOUNDATION NOTES  
DRAWING NO. ST-3

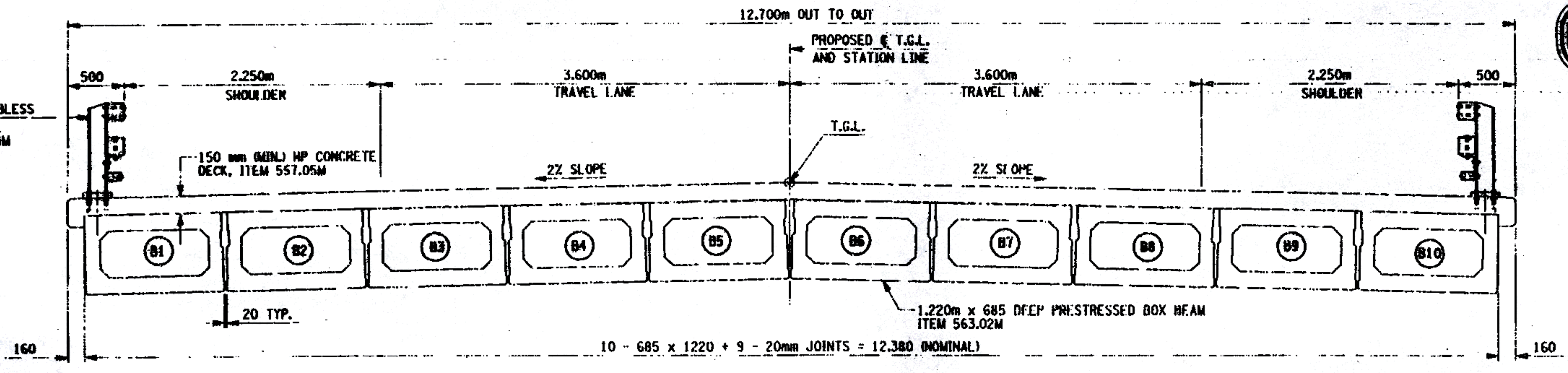
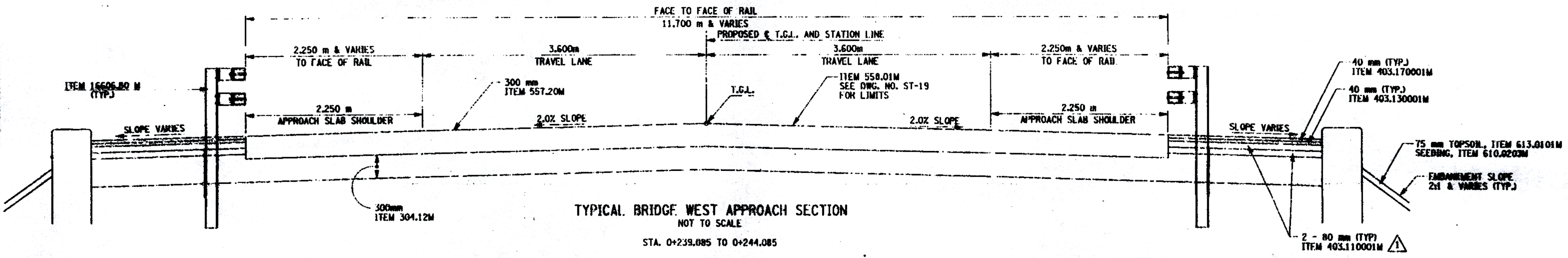
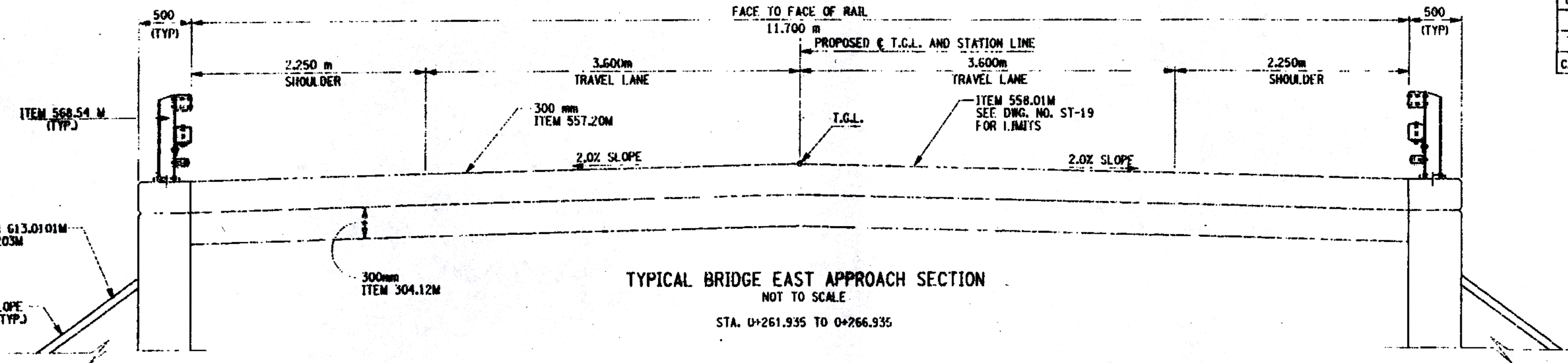
NOTE  
INDEX OF BRIDGE DRAWINGS ON IN-1

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DESIGNED BY IJC  
CHECKED BY LAK  
ESTIMATED BY EAT  
DRAFTED BY RJN  
CHECKED BY EAT

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		18	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

CHECKED BY EXT  
 DRAFTED BY B.M.  
 ESTIMATED BY L.M.  
 CHECKED BY L.M.  
 DESIGNED BY EXT  
 JOB MANAGER T.A.C.  
 SUPERVISOR T.A.C.



**AS BUILT: REVISIONS 9/2003**

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

*Signature* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULTNEY RIVER  
**TYPICAL BRIDGE SECTIONS**

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

NOTES:  
1. FOR ADDITIONAL DETAILS SEE DWG. NO. TS-1.

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FED ROAD R.C. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		19	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

**GENERAL NOTES**

DESIGN SPECIFICATIONS: NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES WITH ALL PROVISIONS IN EFFECT AS OF 04/2002. (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS:  $f'_c = 21 \text{ MPa}$ )

LIVE LOAD: MS23

CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 1995 WITH CURRENT ADDITIONS AND MODIFICATIONS.

ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN SI UNITS.

THE COST OF WATER USED FOR COMPACTION OF SELECT FILL ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21M - SELECT STRUCTURAL FILL.

THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO "MANUAL FOR CONDITION EVALUATION OF BRIDGES - 1994" WITH ALL INTERIM PROVISIONS IN EFFECT.

THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MANUAL FOR BRIDGE MAINTENANCE.

HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO THE ELECTRICAL SAFETY NOTE CONTAINED IN THE CONTRACT PROPOSAL FOR SPECIAL CONTRACTOR SAFETY REQUIREMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF TESTING ALL MATERIALS. TESTING OF MATERIALS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER. TESTING SHALL CONFORM TO THE APPLICABLE ASTM AND NYSDOT STANDARDS. THE TESTING LABORATORY SHALL SUBMIT A WRITTEN REPORT DESCRIBING THE TESTS PERFORMED, THE RESULTS OF SUCH TESTS, AND A STATEMENT OF COMPLIANCE OR NON-COMPLIANCE OF THE SPECIFICATION TO THE CONTRACTOR AND THE ENGINEER. MATERIAL TESTING SHALL BE IN ACCORDANCE WITH THE TECHNICAL PROVISION SECTION OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS.

IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT IT DURING CONSTRUCTION OR REMOVE AND RE-MOUNT IT AFTER CONSTRUCTION IS COMPLETED.

**STREAM PROTECTION NOTES**

THE POULTNEY RIVER IS CLASSIFIED AS A CLASS (C1) WATERBODY AT THIS LOCATION

DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENTATION OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. NO WATER SHALL BE RETURNED DIRECTLY TO THE STREAM WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THE WATER TO BE CONTAMINATED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES THE WATER FROM ANY STREAM, THEY SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM AS REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND SUSTAIN FISH LIFE DOWNSTREAM.

SHOULD FIELD CONDITIONS REQUIRE A CHANGE FROM THE TYPE OF COFFERDAM SYSTEM CALLED FOR ON THE PLANS, THE ENGINEER-IN-CHARGE SHALL CONTACT THE CONSULTANT FOR COORDINATION WITH APPROPRIATE AGENCIES TO APPROVE THE CHANGE.

DEWATERING OF THE COFFERDAM SHALL BE ACCOMPLISHED BY PUMPING THE WATER TO AN APPROVED UPLAND VEGETATED AREA OUTSIDE OF THE STREAMBED AS APPROVED BY THE E.I.C. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL, SUCH AS HAY BALES OR APPROVED EQUAL, MAY BE REQUIRED AS DETERMINED BY THE ENGINEER-IN-CHARGE. NO SETTLEMENT BASIN SHALL BE CONSTRUCTED.

ORDINARY HIGH WATER IS ESTIMATED TO BE 115.30 m. THIS IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2.33 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 115.00 m. THIS IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (OTHER THAN MAJOR FLOODS). IT IS ALWAYS LESS THAN THE ORDINARY HIGH WATER ELEVATION AND IT IS USUALLY AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

LOW WATER IS ESTIMATED TO BE 114.30 m. THIS WATER ELEVATION IS THE NORMAL LOW WATER ELEVATION PREVALENT DURING ONE CONSTRUCTION SEASON FOR MORE THAN 25% OF THE TIME. IT IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

**FOUNDATION NOTES**

SPREAD FOOTINGS FOR ABUTMENTS, WINGWALLS, AND U-WALLS ARE DESIGNED TO BEAR ON ROCK AND TO EXERT A MAXIMUM BEARING PRESSURE OF 1.0 MPa.

SPREAD FOOTINGS FOR ABUTMENTS, WINGWALLS, AND U-WALLS ARE DESIGNED USING A COEFFICIENT OF SLIDING FRICTION OF 0.60 BETWEEN THE FOOTING CONCRETE AND ROCK.

REMOVE ALL SOFT, WEATHERED ROCK AT THE PROPOSED BOTTOM OF FOOTING ELEVATION.

IF THE ROCK SURFACE IS WITHIN 0.600m OF THE PROPOSED BOTTOM OF FOOTING ELEVATION:  
 - REMOVE HIGH ROCK TO BOTTOM OF FOOTING ELEVATION, AND/OR  
 - BACKFILL LOW AREAS TO BOTTOM OF FOOTING ELEVATION WITH CLASS A CONCRETE

IF THE ROCK SURFACE IS MORE THAN 0.600m FROM THE PROPOSED BOTTOM OF FOOTING ELEVATION, NOTIFY THE ENGINEER.

AT EACH SUBSTRUCTURE, THE ENGINEER WILL BE REQUIRED TO INSPECT THE ROCK TO VERIFY IT IS COMPETENT TO SUPPORT THE DESIGN BEARING PRESSURE.

**SUBSTRUCTURE NOTES**

ALL PLACEMENTS OF SELECT STRUCTURE FILL, ITEM 203.21 M, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.

HIGHWAY EMBANKMENT MATERIAL AND SELECT STRUCTURE FILL, ITEM 203.21 M, SHALL BE PLACED SIMULTANEOUSLY, IN CONTACT, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

WHERE A COFFERDAM IS USED, THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COFFERDAM ITEM.

TOP OF BACKWALLS SHALL BE STEEL TROWEL FINISHED. SHEET GASKET (TREATED BOTH SIDES), 728-06, SHALL BE PLACED ON THE TOP OF THE BACKWALLS OF EXPANSION ABUTMENTS ONLY. TWO SHEETS SHALL BE USED; PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.

THE FOLLOWING CONCRETE ELEMENTS SHALL BE SEALED ACCORDING TO ITEM 18559.1696 M - PROTECTIVE SEALING OF STRUCTURAL CONCRETE: THE TOTAL AREA OF THE NEW CONCRETE BRIDGE SEATS INCLUDING AREAS UNDER THE BEARINGS, THE FRONT FACE OF THE ABUTMENTS, U-WALLS, AND WINGWALLS, THE VERTICAL FACES OF THE CURTAIN WALLS, AND TOP SURFACES OF THE CURTAIN WALLS, U-WALL, AND WINGWALLS.

**REMOVAL NOTES**

EXISTING SUBSTRUCTURE SHALL BE REMOVED WITHIN THE LIMITS SHOWN ON THE PLANS UNDER ITEM 202.19 M.

EXISTING SUPERSTRUCTURE SHALL BE REMOVED UNDER ITEM 202.120001 M.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL AND SAFETY REQUIREMENTS. A REMOVAL PLAN, SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION.

RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE AT THE OFFICE OF THE WASHINGTON COUNTY DEPARTMENT OF PUBLIC WORKS.

WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.

DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE OWNER.

THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.

**SUPERSTRUCTURE (OR SUBSTRUCTURE) REMOVAL NOTES:**

LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.05 AND 741-01 OF THE STANDARD SPECIFICATIONS. PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING AN ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION SYSTEM. THE COST OF PAINT REMOVAL, PAINT COLLECTION/PROTECTION AND DISPOSAL OF PAINT REMOVAL WASTE SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM).

LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH OSHA 1926.62 MUST BE SATISFIED. ALTERNATIVES COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM) BECAUSE OF THE ABOVE-MENTIONED CONDITION, THE CONTRACTOR SHOULD EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

THE FOLLOWING ITEMS SHALL BE USED TO IMPLEMENT AND MAINTAIN EFFECTIVE HEALTH AND SAFETY CONTROLS COST INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S):

LEAD HEALTH AND SAFETY PROGRAM  
 LEAD EXPOSURE CONTROL PLAN  
 MEDICAL TESTING AND EXPOSURE MONITOR SAMPLE ANALYSIS  
 DECONTAMINATION FACILITIES

**SUPERSTRUCTURE NOTES**

TOP SURFACES OF NEW BRIDGE DECKS AND APPROACH SLABS SHALL BE SEALED ACCORDING TO ITEM 18559.1896 M - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.

CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY ORDER THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN THE ENGINEER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.

LONGITUDINAL CONSTRUCTION JOINTS WILL NOT BE PERMITTED.

FINISHING MACHINE(S) SHALL BE OPERATED AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE.

WET BURLAP CURING BLANKETS ARE REQUIRED TO BE PLACED ON THE CONCRETE DECK WITHIN 30 MINUTES OF THE CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING, WHICHEVER COMES FIRST. THE PLACEMENT OF THE TURF DRAG TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.

IN THE EVENT THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S OWN DECISION OR BY ORDER OF THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

**AS BUILT: NO REVISIONS 9/2003**

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

*Signature*  
 SIGNATURE DATE 9/2003

COUNTY ROAD 18 OVER POULTNEY RIVER

GENERAL NOTES

WASHINGTON COUNTY  
 DEPARTMENT OF PUBLIC WORKS



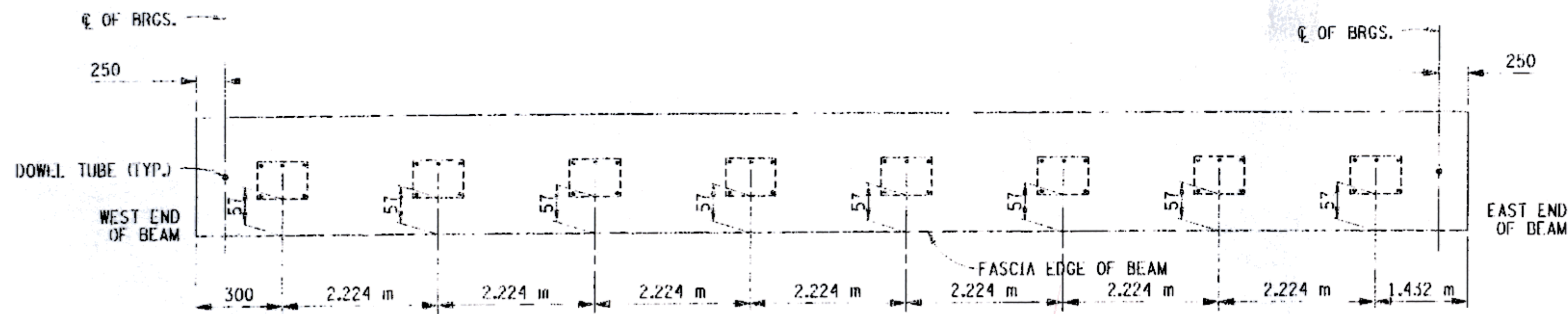
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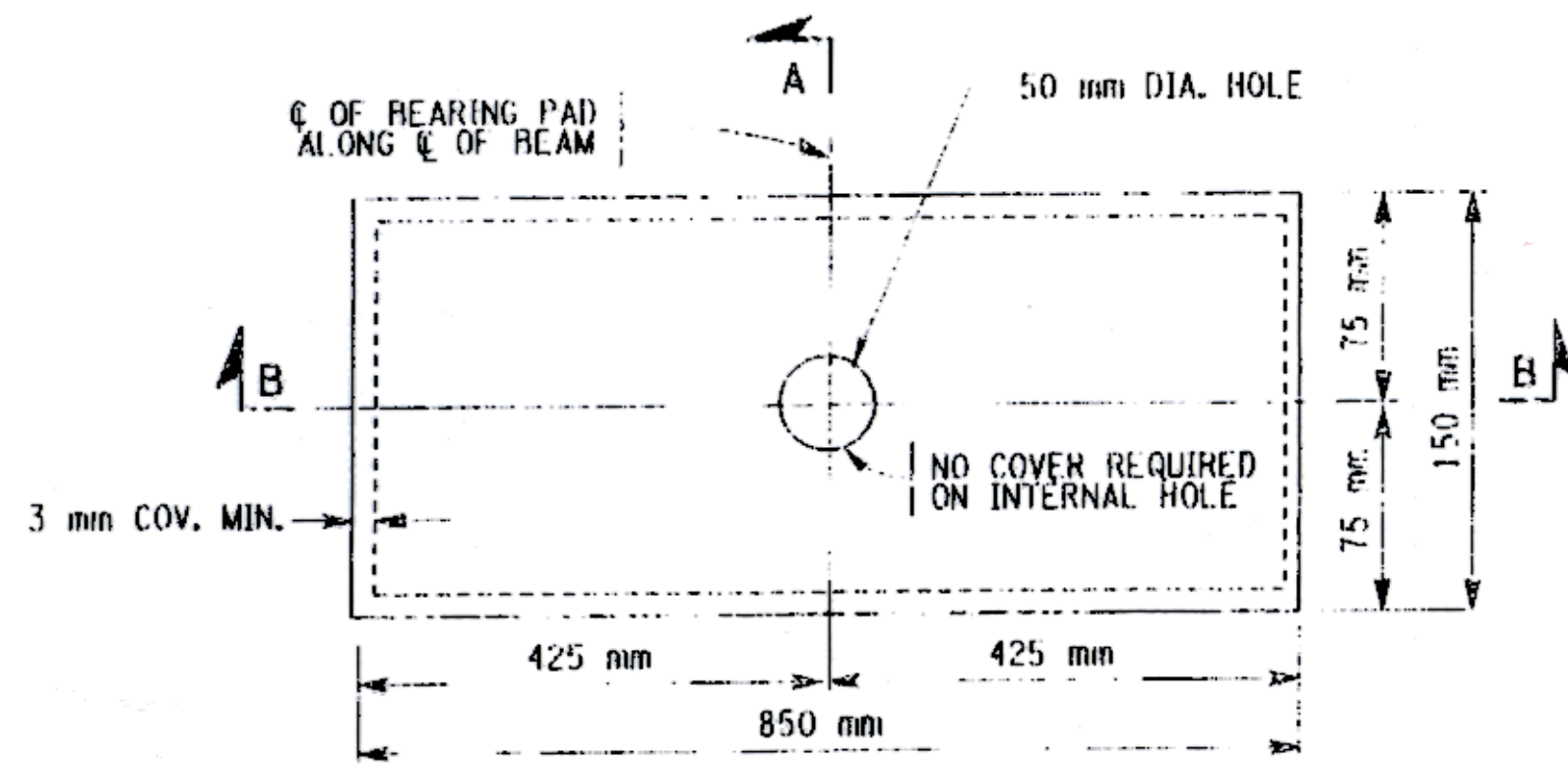
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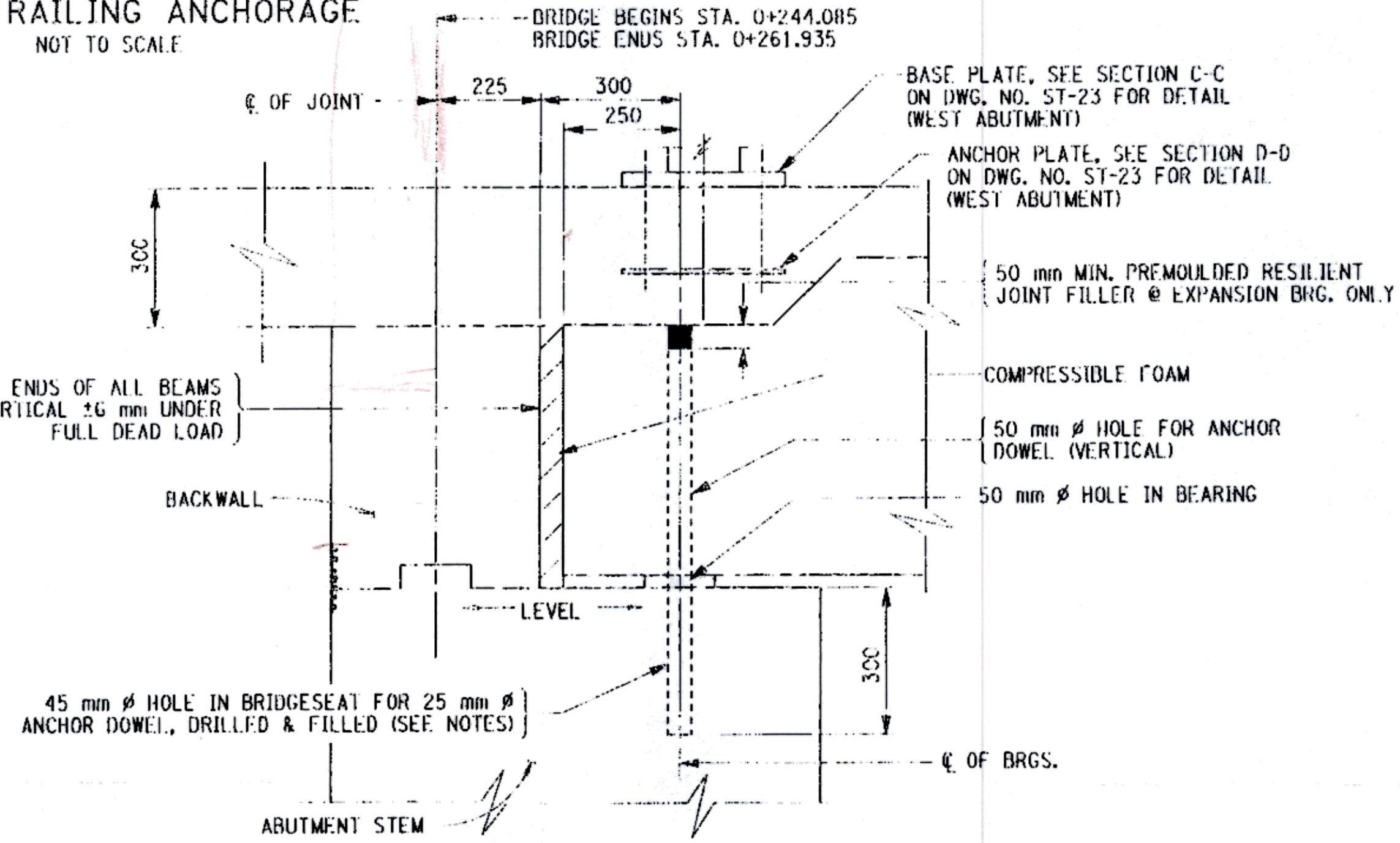
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WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULINNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



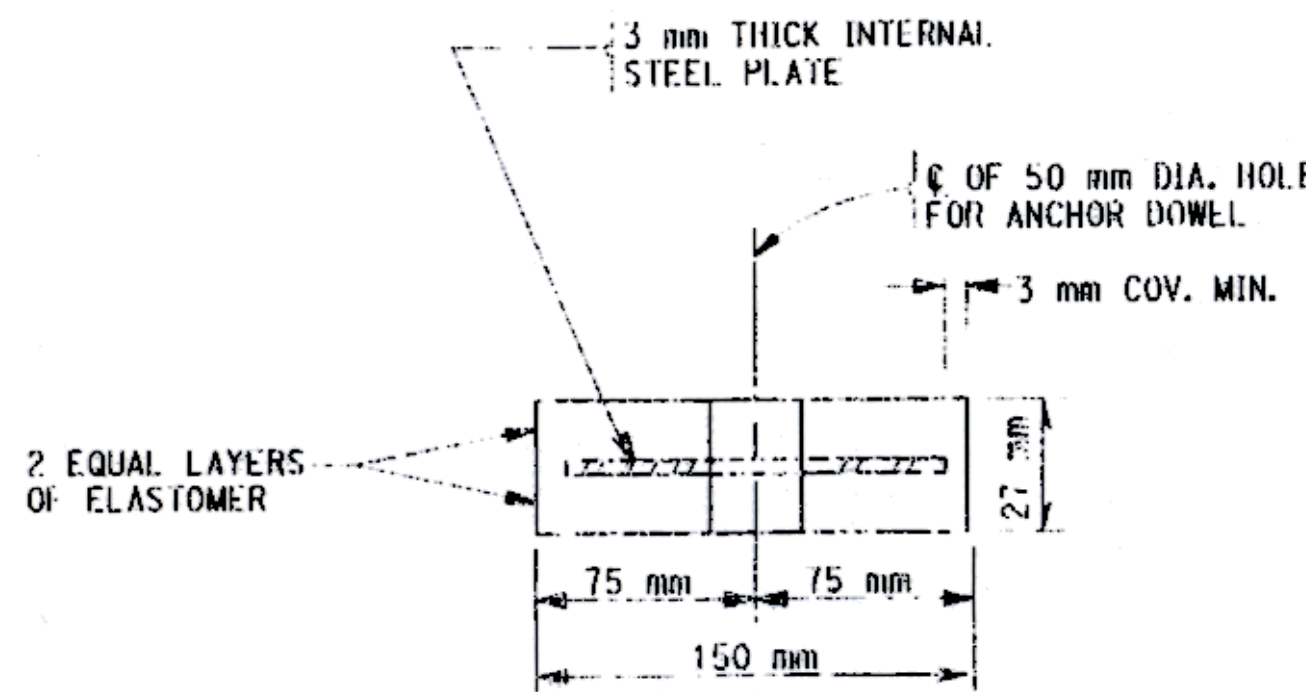
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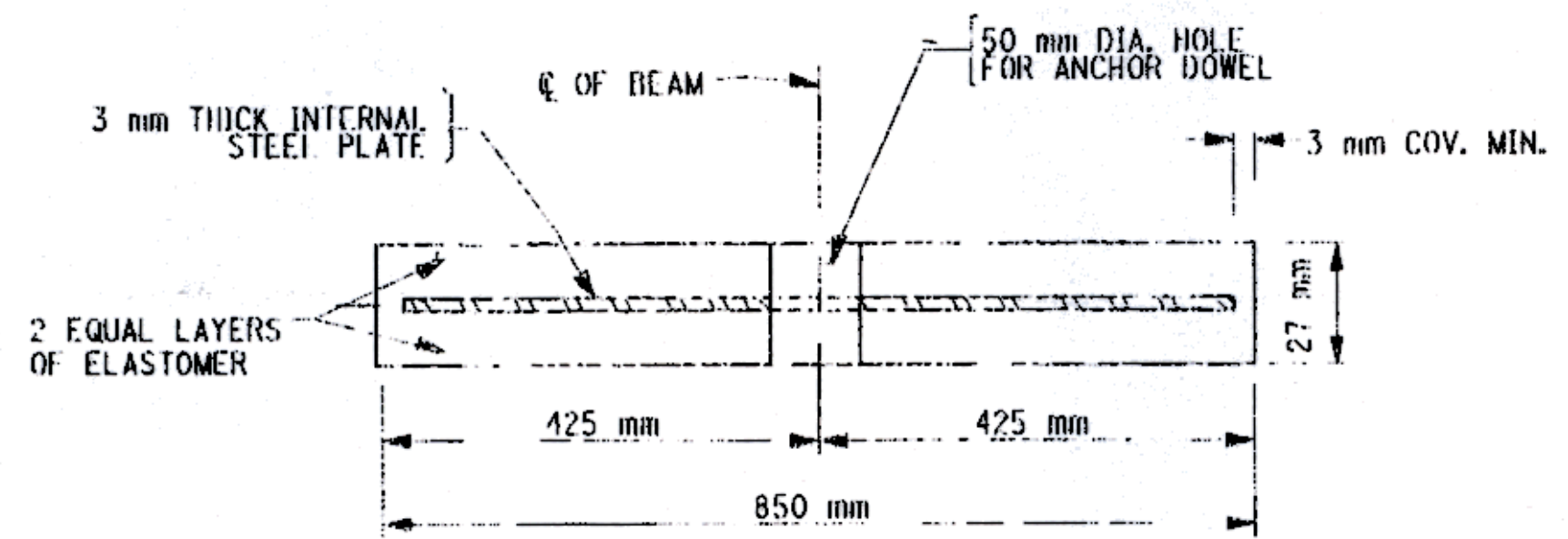
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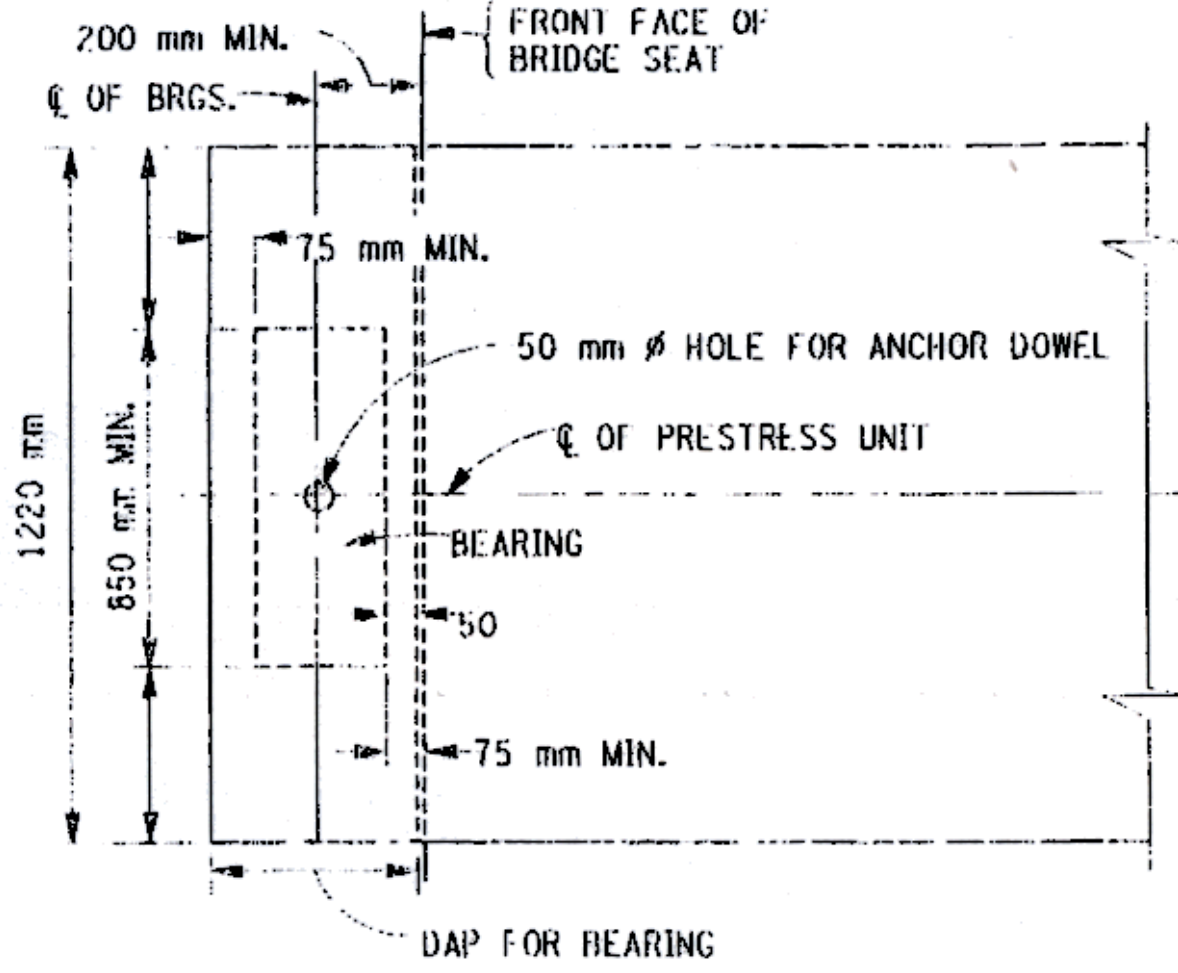
PARTIAL SECTION AT ABUTMENT  
NOT TO SCALE



SECTION A-A  
NOT TO SCALE



SECTION B-B  
NOT TO SCALE



BEARING PLACEMENT DETAILS  
NO SKEW  
NOT TO SCALE

NOTES:

PREMOULDED RESILIENT J.C. FILLER SHALL MEET THE REQUIREMENTS OF 705-07 AND BE PAID FOR UNDER BEARING ITEM.

THE ENDS OF BEAM AND ANCHOR DOWEL HOLES SHALL BE MADE VERTICAL  $\pm 6$  mm, UNDER D.I. AND GRAD. ANCHOR DOWELS TO BE PAID FOR UNDER BEARING ITEM. DOWEL HOLE FILL MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ELASTOMERIC BEARING ITEM AND SHALL MEET MATERIAL REQUIREMENTS AS FOLLOWS:

EXPANSION END MATERIAL OPTION:

- N.Y.S. MAT. SPEC. 702-0700 - ASPHALT FILLER
- F.F.D. MAT. SPEC. SS-5-00195B - ELASTOMERIC POLYMER TYPE, TWO-COMPONENT COLD APPLIED
- FED. MAT. SPEC. SS-5-002000 - ELASTOMERIC POLYMER TYPE, TWO COMPONENT JET FUEL RESISTANT, COLD APPLIED

FIXED END MATERIAL OPTION:

- \*\*N.Y.S. MAT. SPEC. 721-03 - EPOXY POLYSULFIDE GROUT WITH SAND
- \*\*N.Y.S. MAT. SPEC. 721-01 - EPOXY RESIN SYSTEM WITH SAND
- N.Y.S. MAT. SPEC. 701-05 - CONCRETE GROUTING MATERIAL
- N.Y.S. MAT. SPEC. 701-06 - CEMENT BASED GROUT MATERIALS FOR SHEAR KEYS

\*\* - MOISTURE FREE, SAND/FAST SAND SHALL BE ADDED IN THE RATIO OF (1) PART EPOXY TO (2) PARTS SAND.

INSTALLATION ALIGNMENT:

THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 4 mm. THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.

CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565.3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

*Signature* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULINNEY RIVER  
ELASTOMERIC BEARING AND  
BOX BEAM ANCHOR DOWEL/MISC. DETAILS  
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

STEEL LAMINATED ELASTOMERIC BEARING (TYPE E.L.) TABLE

LOCATION	FIX/EXP.	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (kN)	L.L. WITHOUT IMPACT (kN)	TOTAL DESIGN REACTION (kN)	SHAPE FACTOR	ELASTOMER LAYERS		h <sub>FT</sub> (mm)	COMP. AREA (sq. mm)	SHEAR AREA (sq. mm)	BRG. H	ANCHOR DOWEL DIAMETER		
								THK/LAYER	N LAYERS							
WEST ABUTMENT	EXP.	565.1922M	10	154.7	142.2	296.9	4.85	12	2	150	850	24	125,540	125,540	27	25 mm
EAST ABUTMENT	FIX	565.1922M	10	154.7	142.2	296.9	4.85	12	2	150	850	24	125,540	125,540	27	25 mm

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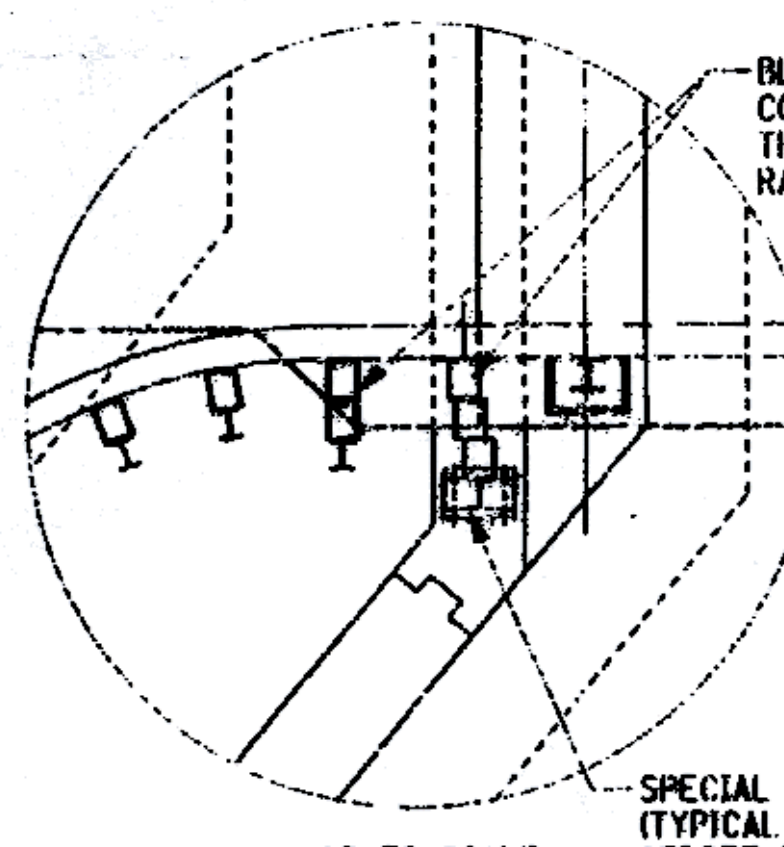
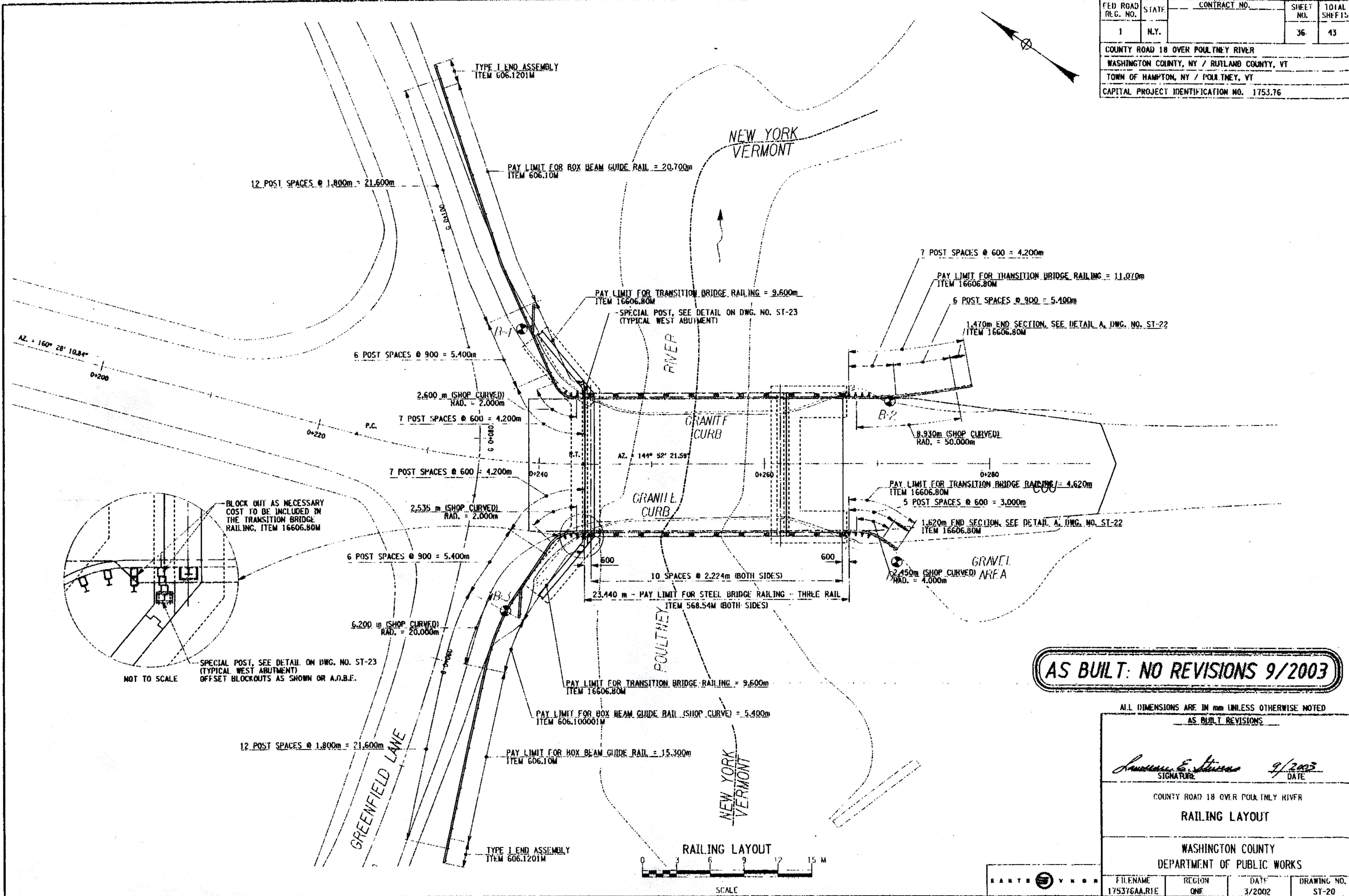


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COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

DESIGNED BY EKT  
CHECKED BY LAK  
ESTIMATED BY EKT  
CHECKED BY RJN  
DESIGNED BY EKT  
CHECKED BY LAK  
DESIGN SUPERVISOR IJC  
JOB MANAGER IJC

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**AS BUILT: NO REVISIONS 9/2003**

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AS BUILT REVISIONS

*Andrew E. Stevens* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULTNEY RIVER  
**RAILING LAYOUT**

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

FILENAME 175376AA.R1E	REGION ONE	DATE 3/2002	DRAWING NO. ST-20
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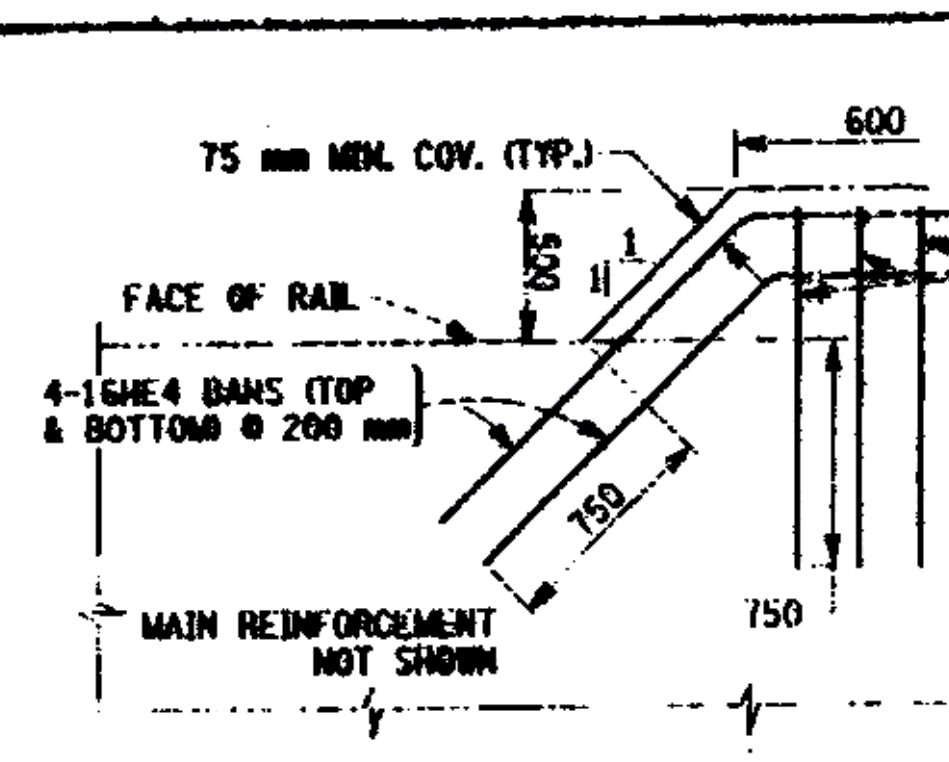
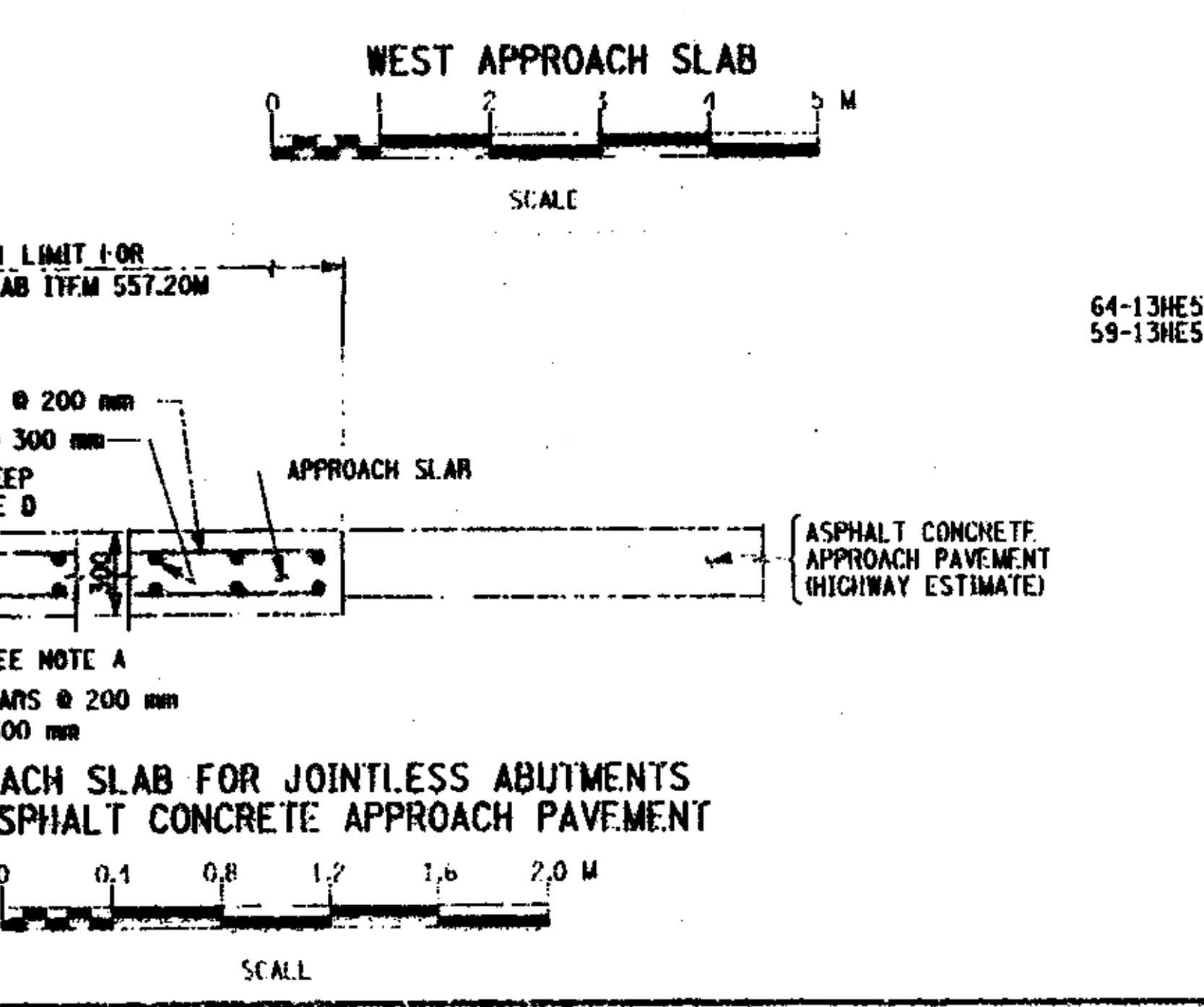
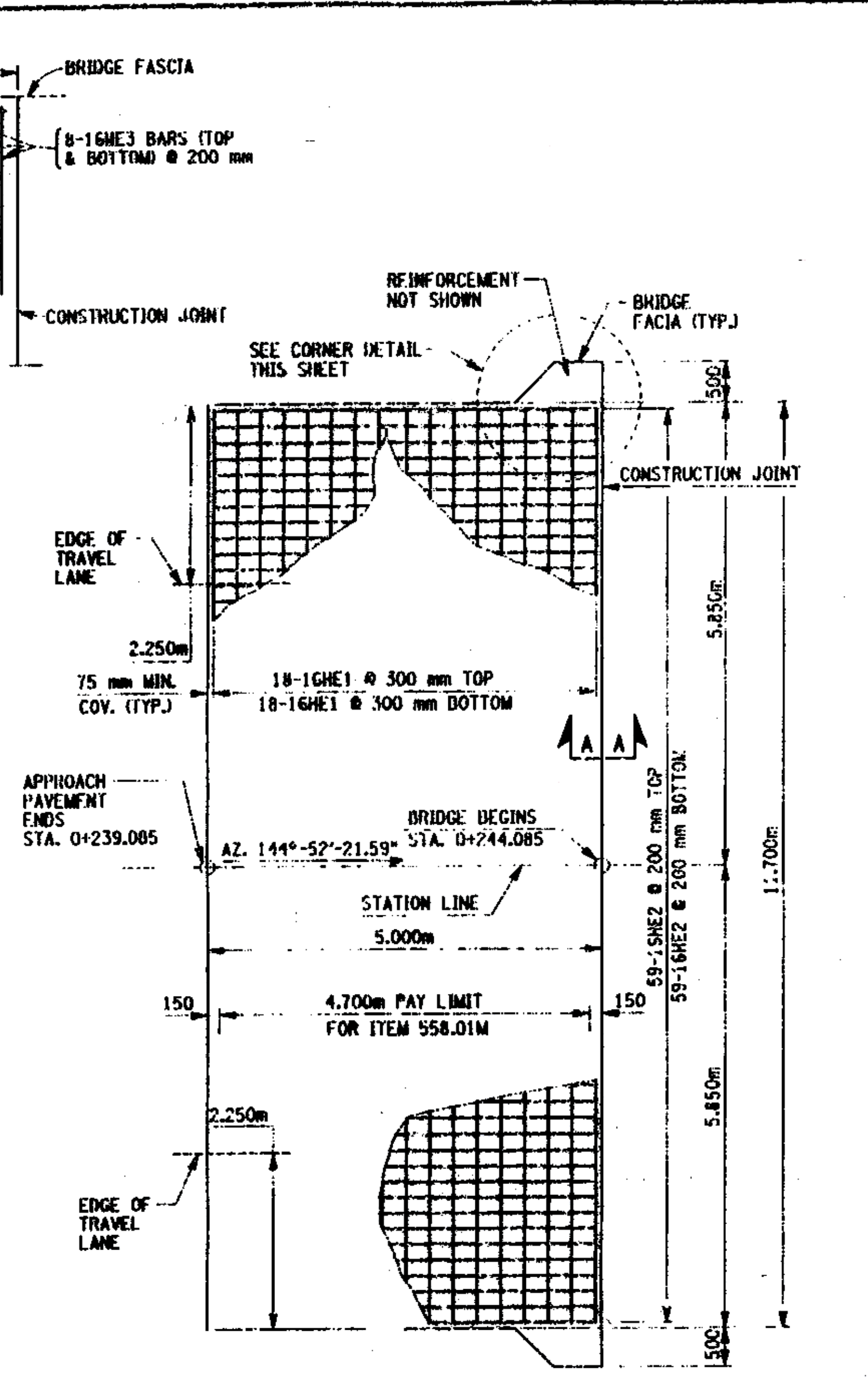
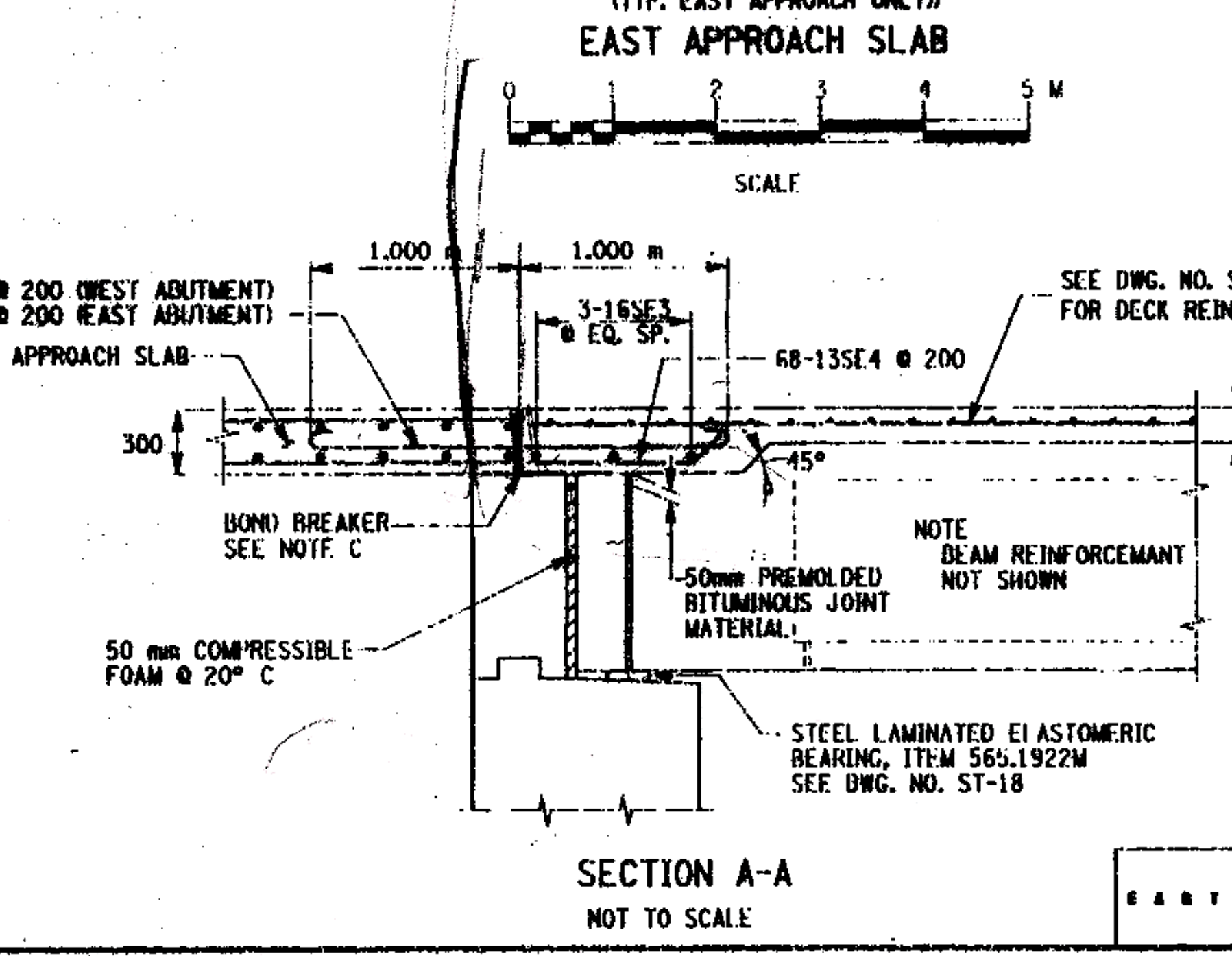
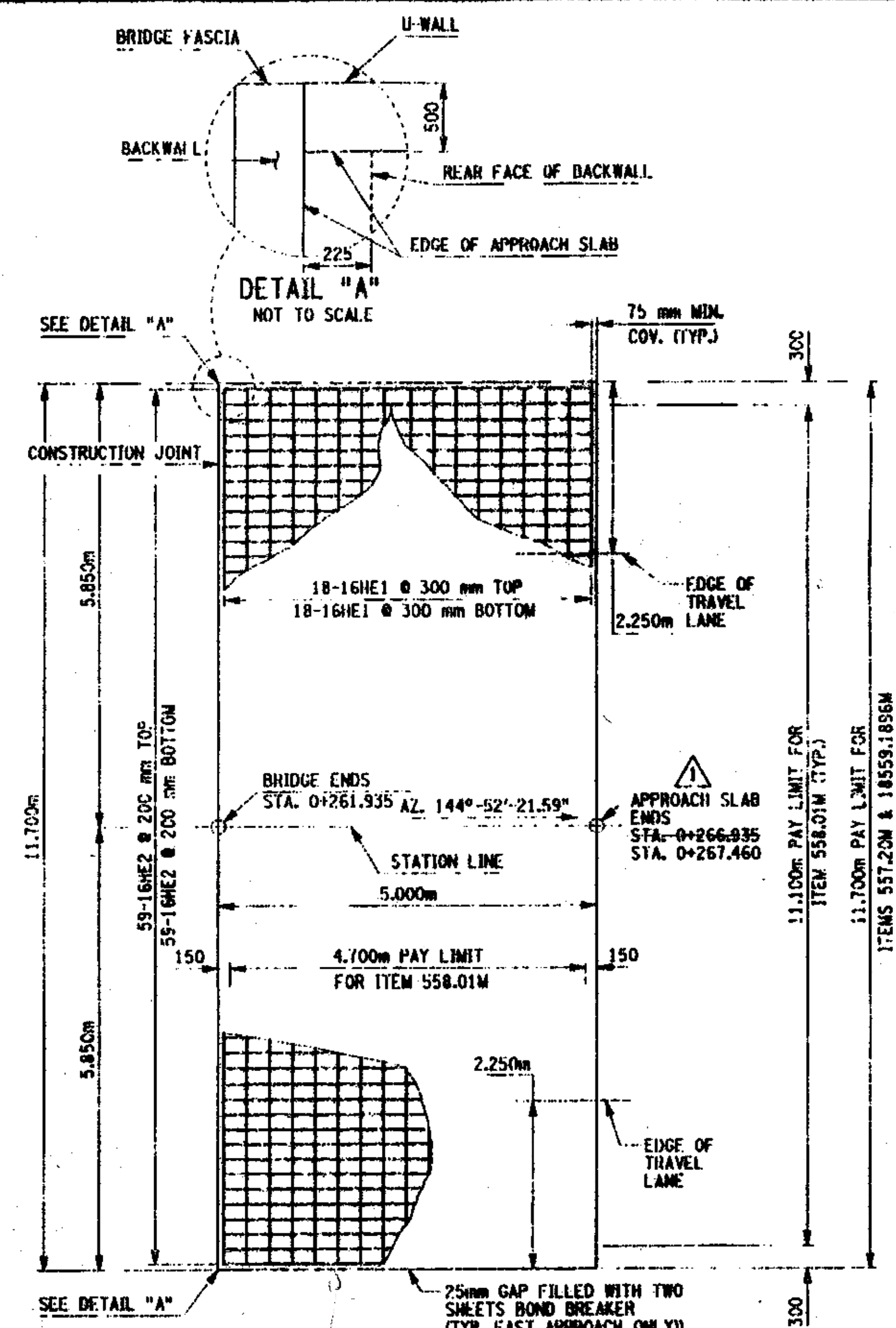
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1	N.Y.		35	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

- NOTES:
- TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF SLAB, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE ROADWAY GRADE AND CROSS SLOPE. POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SPECIFICATION SUBSECTION 711-04 SHALL BE PLACED ON THE FINISHED SUBBASE COURSE THE FULL WIDTH OF THE APPROACH SLAB PRIOR TO PLACEMENT OF THE REINFORCEMENT. THE CURING COVERS SHALL BE 0.1 mm THICK, AND LAPS SHALL BE 600 mm MINIMUM.
  - FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT, FROM THE DEPARTMENT'S APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THOSE SEALANTS THAT REQUIRE A PRIMER. THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL ONLY BE PERFORMED WHEN THE CONCRETE TEMPERATURE IS 5°C OR ABOVE. BOTH JOINT FACES SHALL BE SAND BLASTED TO ROUGHEN THE SURFACE AND TO REMOVE ALL SURFACE MOISTURE AND ANY OTHER MATERIAL THAT MAY INTERFERE WITH BOND.
  - TOP OF BACKWALL SHALL BE STEEL TROWEL FINISHED. SHEET GASKET (TREATED BOTH SIDES) MATERIAL SPECIFICATION 728-06, SHALL BE PLACED ON THE TOP OF BACKWALLS. TWO 1.6 mm THICK SIFTS SHALL BE USED, AND PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH ITEM.
  - FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT, FROM THE DEPARTMENT'S APPROVED LIST. IF THE RECESS IS SAW CUT, WATER BLAST IMMEDIATELY FOLLOWING CUTTING TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES. CLEAN THE VERTICAL FACES OF THE RECESS BY ABRASIVE BLAST, AND AIR BLOW THE RESIDUE FROM THE RECESS. PRIME THE VERTICAL FACES WITH THE MANUFACTURER'S RECOMMENDED PRIMER, AND ALLOW TO DRY. PLACE A 15 mm DIA. SOFT CELL BACKER ROD IN THE BOTTOM OF THE RECESS. POUR THE SILICONE TO A DEPTH OF APPROXIMATELY 9 mm. PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB.
  - TOP SURFACES OF STRUCTURAL SLABS, APPROACH SLABS SHALL BE GROOVED UNDER THE TRANSVERSE SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE ITEM 558.01M.
  - THE FULL DEPTH JOINT SHOWN IS MANDATORY. A PARTIAL DEPTH SAWCUT IS NOT PERMITTED.

CONCRETE TABLE			
	ITEM 557.20M	ITEM 558.01M	ITEM 10559.1096M
WEST	59.35 m <sup>2</sup>	52.17 m <sup>2</sup>	59.35 m <sup>2</sup>
EAST	58.50 m <sup>2</sup>	52.17 m <sup>2</sup>	58.50 m <sup>2</sup>

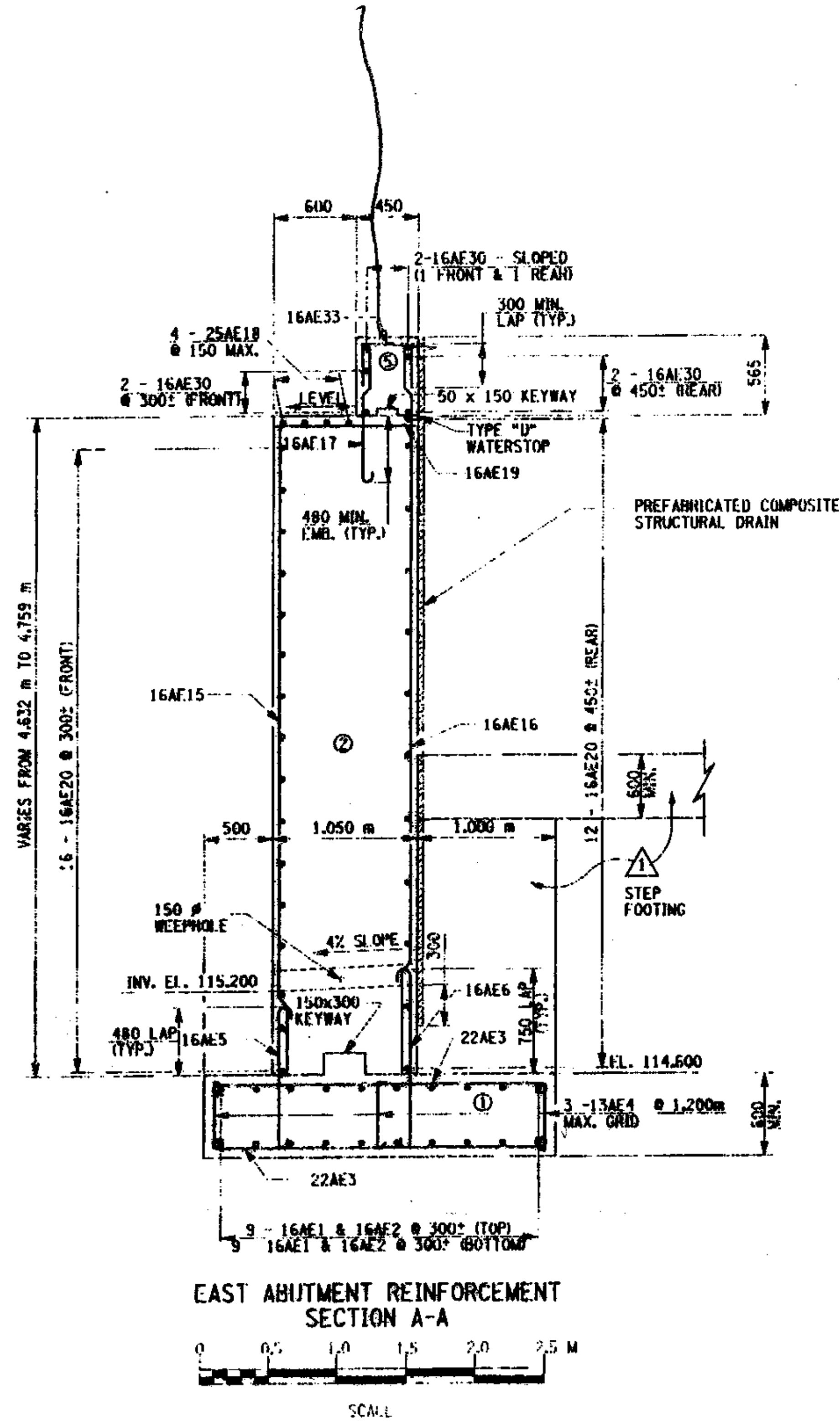
**AS BUILT: REVISIONS 9/2003**

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED			
AS BUILT REVISIONS			
<i>Signature</i>		9/2003	
SIGNATURE		DATE	
COUNTY ROAD 18 OVER POULTNEY RIVER			
APPROACH SLAB			
WASHINGTON COUNTY			
DEPARTMENT OF PUBLIC WORKS			
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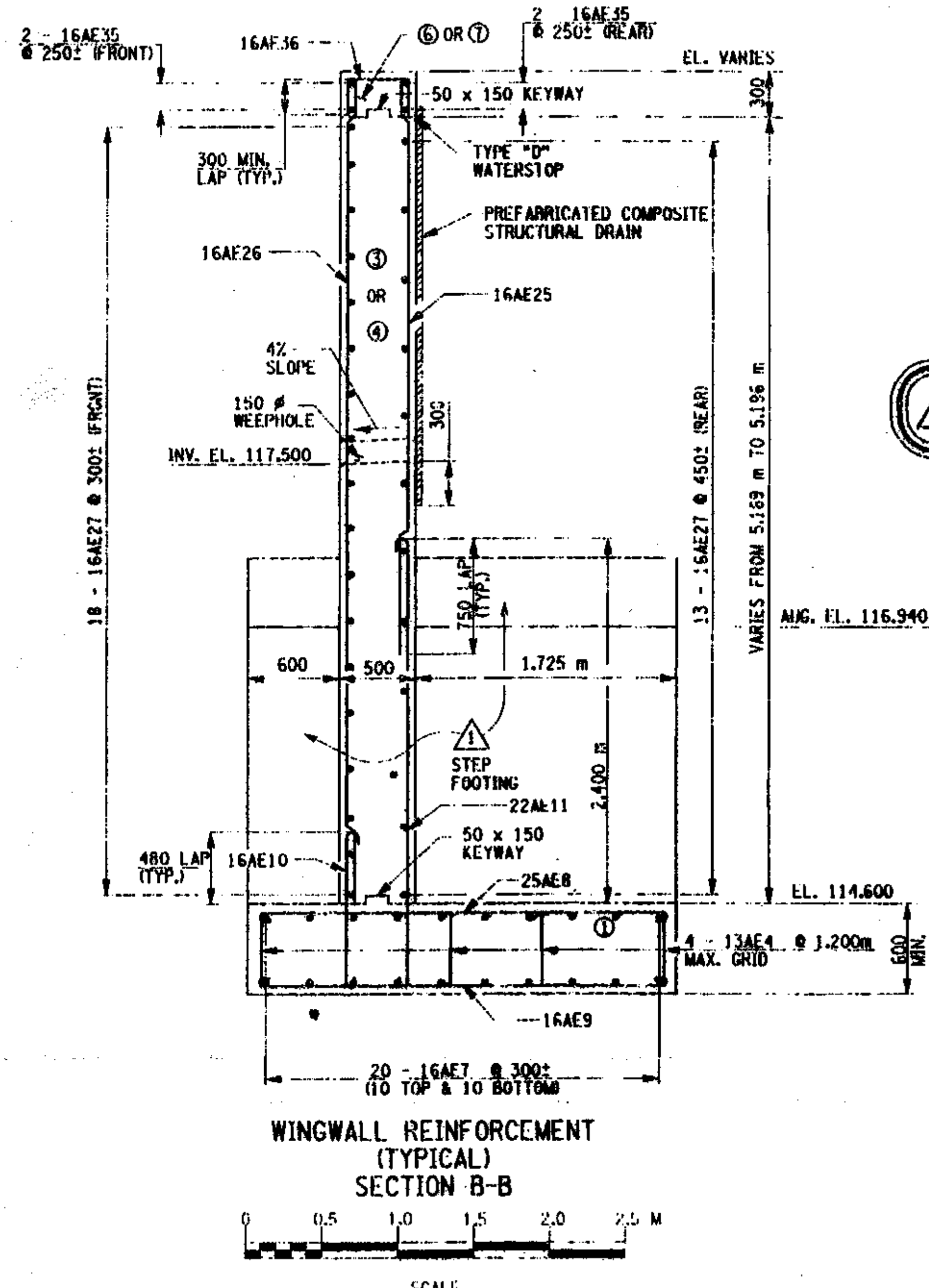


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 JPB MANAGER JJC  
 DESIGN SUPERVISOR JJC

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		29	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



**EAST ABUTMENT REINFORCEMENT SECTION A-A**  
SCALE



**WINGWALL REINFORCEMENT (TYPICAL) SECTION B-B**  
SCALE

**AS BUILT: REVISIONS 9/2003**

**NOTES:**  
FOR LOCATION OF SECTIONS, SEE DWG. NO. ST-11.  
FOR KEYWAY AND WATERSTOP DETAILS, SEE DWG. NO. ST-14.  
ALL COVER SHALL BE 75 mm IN THE FOOTING AND 50 mm ELSEWHERE, UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

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SIGNATURE DATE

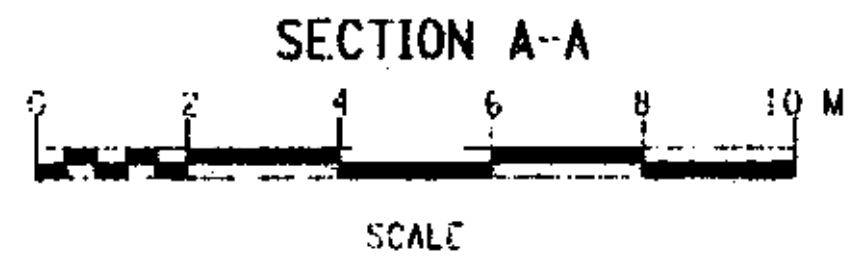
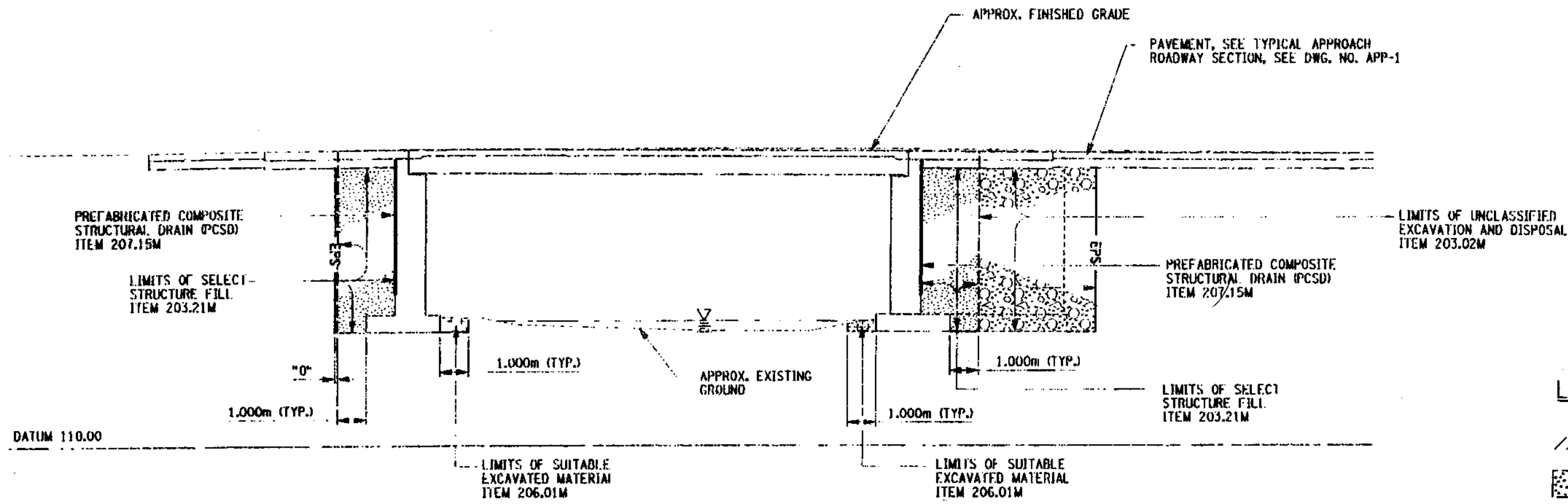
COUNTY ROAD 18 OVER POULTNEY RIVER  
**EAST ABUTMENT SECTION REINFORCEMENT**  
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

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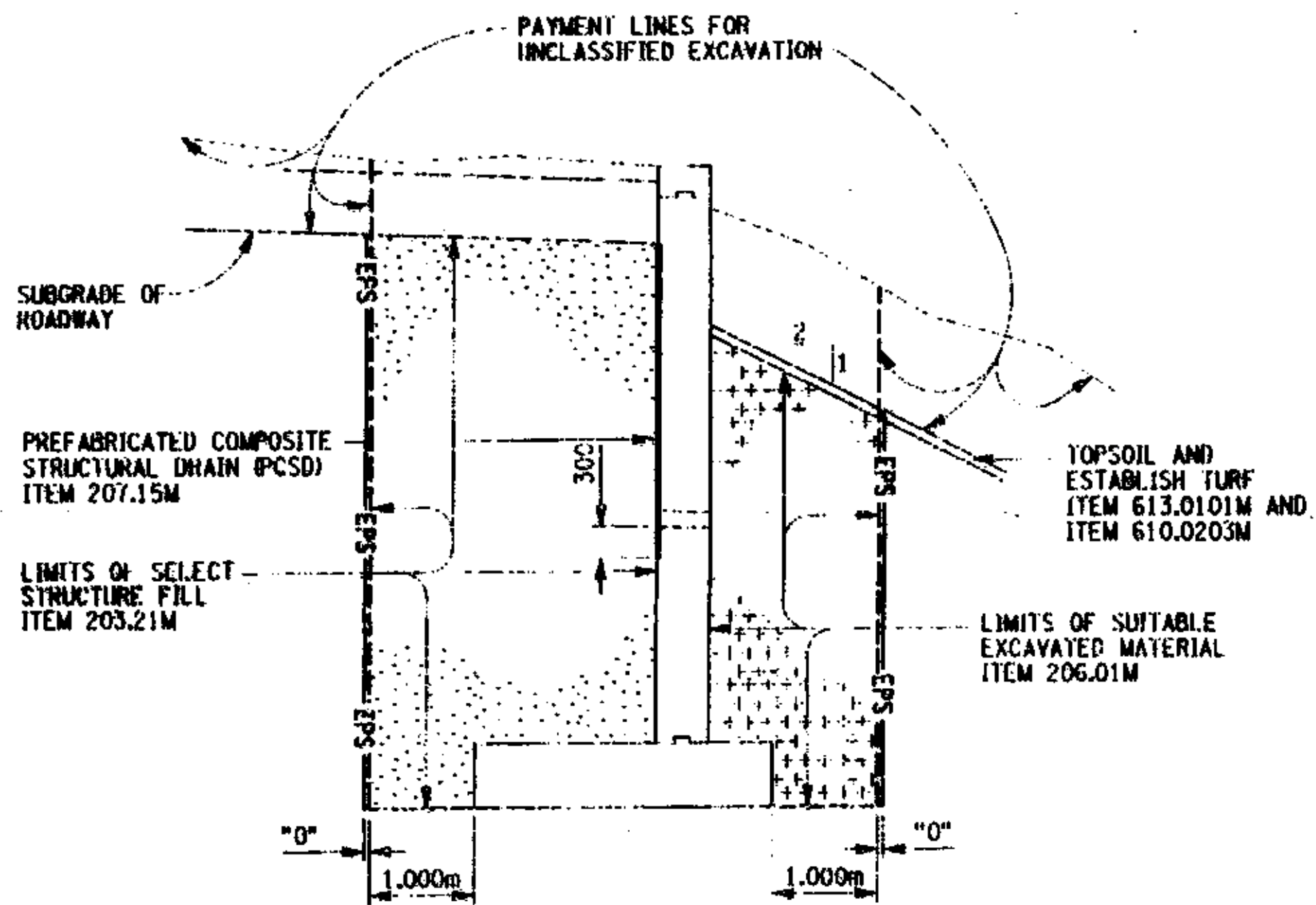
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COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

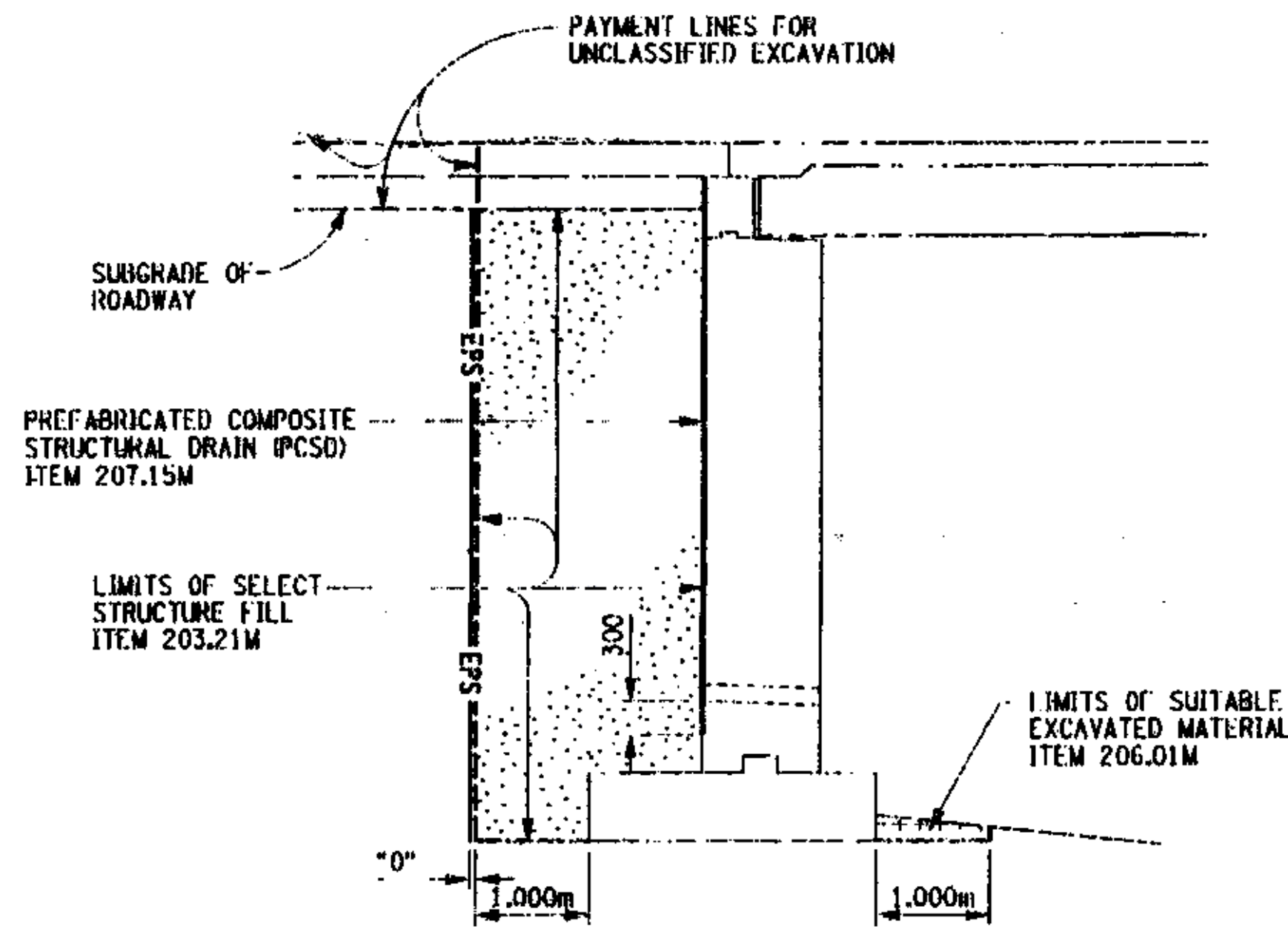


**LEGEND**

- EXISTING GROUND SURFACE
- SELECT STRUCTURE FILL (ITEM 203.21 M, COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY).
- HIGHWAY EMBANKMENT MATERIAL ITEM 203.03 M
- BACKFILL WITH SUITABLE EXCAVATED MATERIAL AS PROVIDED FOR UNDER ITEM 206.01 M, STRUCTURE EXCAVATION
- APPROXIMATE LIMITS FOR REMOVAL OF SUBSTRUCTURES (ITEM 202.19 M)
- PREFABRICATED COMPOSITE STRUCTURAL DRAIN (PCSD) (ITEM 207.15 M)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION, (ITEM 206.01 M)
- DESIGNATES PAYMENT LINES FOR EXCAVATION PROTECTION SYSTEM (ITEM 552.16M)



SECTION C-C  
THRU U-WALL OR WING WALL  
(U-WALL SHOWN, WINGWALL SIMILAR)



SECTION B-B  
THRU ABUTMENT



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AS BUILT REVISIONS

*Lawrence E. Stevens* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULTNEY RIVER  
EXCAVATION AND EMBANKMENT  
SECTIONS

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

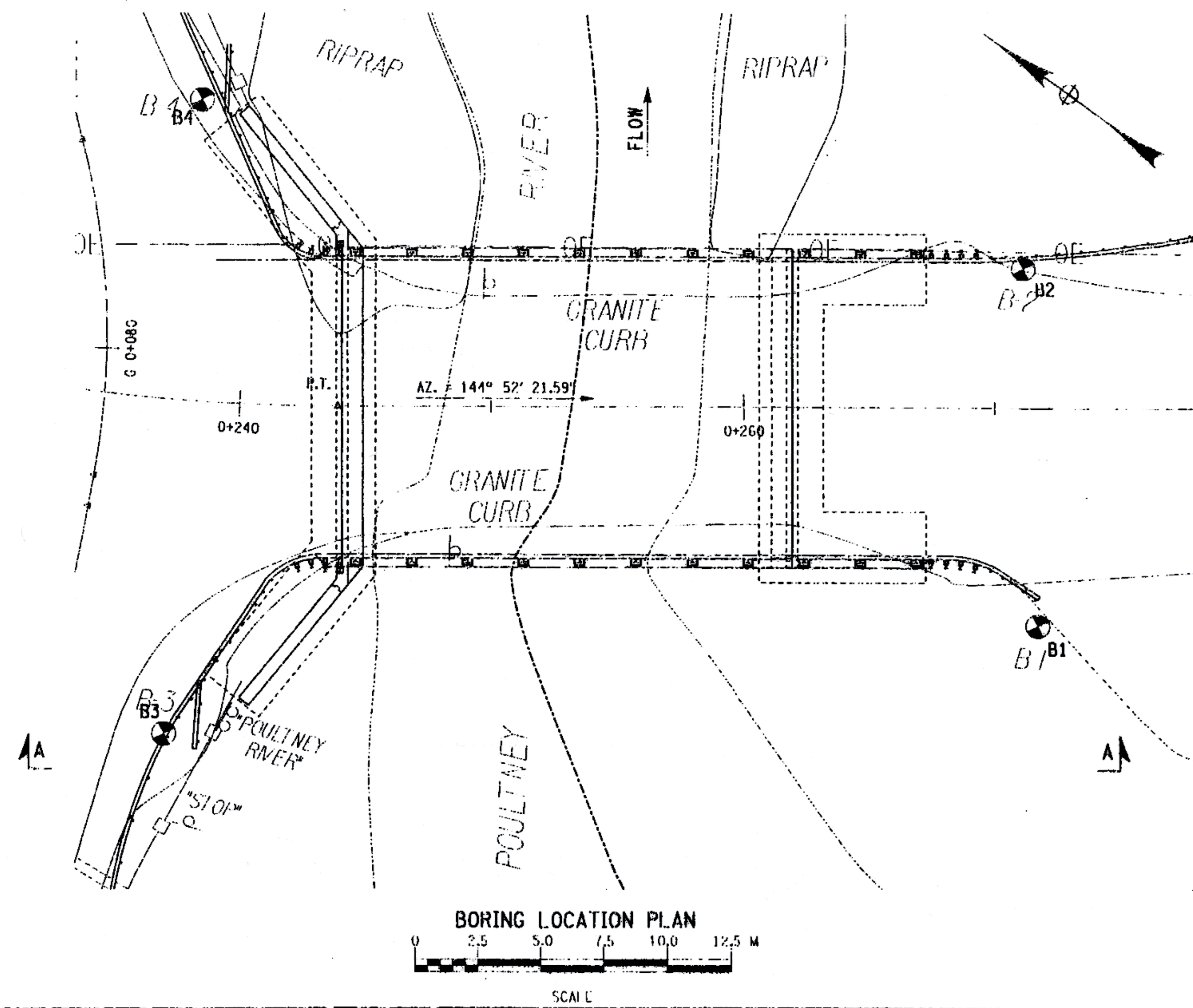
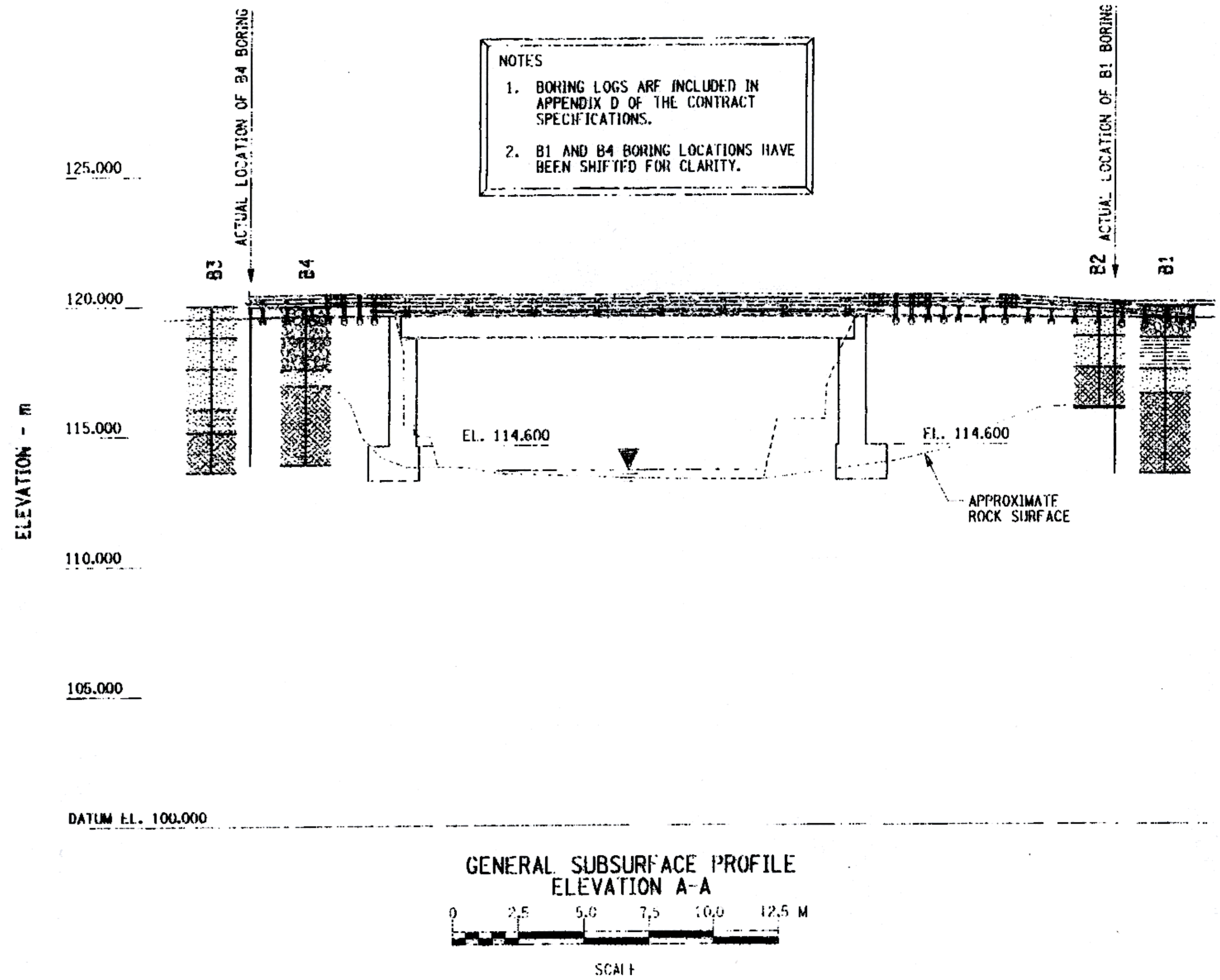
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DRAWN BY: RUN  
CHECKED BY: EK

**AS BUILT: NO REVISIONS 9/2003**

FED. ROAD REG. NO.	STAFF	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		20	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



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DESIGN SUPERVISOR JJC    JOB MANAGER JJC    CHECKED BY LAK    ESTIMATED BY EXT    DRAFTED BY RJN    CHECKED BY EXT

**REFERENCE PLANS**

PRELIMINARY STRUCTURE PLANS USED FOR ANALYSIS WERE:

PREPARED BY: EARTH TECH

**GENERAL NOTES**

1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.

2.) GENERAL SOIL AND ROCK (WHERE ENCOUNTERED) STRATUM DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL ENGINEERING BUREAU AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATIONS OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE SUBSURFACE EXPLORATION LOGS.

3.) THE OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ON THE SUBSURFACE PROFILES ARE AS RECORDED AT THE TIME OF EXPLORATION. ACTUAL WATER LEVELS MAY DIFFER FROM THE OBSERVED WATER LEVEL BECAUSE OF LIMITATIONS IN THE NUMBER AND DURATION OF OBSERVATIONS AND WILL VARY WITH CHANGES IN CLIMATE AND RAINFALL.

4.) ALL STRUCTURE DETAILS AND FOOTING ELEVATIONS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ON THE CONTRACT PLANS.

**LEGEND**

THE FOLLOWING TABLES SUMMARIZE THE DESCRIPTIVE INFORMATION USED ON THIS PROFILE.

DENSITY (NON-PLASTIC SOILS)	NO. OF BLOWS PER 0.3 m OF PENETRATION OF A 50.8 mm O.D. (34.9 mm I.D.) SAMPLER USING A 136 kg DROP HAMMER, 457 mm FALL.
Very Loose	0-3
Loose	4-8
Medium Compact	9-20
Compact	21-35
Very Compact	over 35

CONSISTENCY (PLASTIC SOILS)	
Very Soft	0-2
Soft	3-6
Firm	7-12
Stiff	13-20
Hard	over 20

**SYMBOLS**

**DRILL HOLE**

VERY LOOSE TO MEDIUM COMPACT BROWN BROWN-BLACK GRAVEL

VERY LOOSE TO MEDIUM COMPACT BROWN OLIVE-BROWN BROWN GREY SAND

WOOD FRAGMENTS

GRAY SLATE FRAGMENTS

BLUE-GRAY SLATE WITH CALCITE SEAMS

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

*James E. Estima*      9/2003  
SIGNATURE      DATE

COUNTY ROAD 18 OVER POULTNEY RIVER

**BORING LOCATION PLAN AND GENERAL SUBSURFACE PROFILE**

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

FILE NAME	REGION	DATE	DRAWING NO.
175376AA.GP1	ONE	3/2002	ST-4



FFD ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
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COUNTY ROAD 18 OVER POLTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POLTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

FEATURE	SYMBOL	
	EXISTING	PROPOSED
SURVEY DATA		
COORDINATE GRID		
SPOT ELEVATION	+103.2	
WATER ELEVATION	+102.5	
BENCH MARK	B.M. 12	
BASELINE POINT		
PERMANENT SURVEY MARKER POINT ON LINE (P.O.L.)		
NORTH ARROW (GRID)		
NORTH ARROW (MAGNETIC)		
BASELINE		
CENTERLINE		
CONTOURS		
MAJOR ELEVATION CONTOUR		
MINOR ELEVATION CONTOUR		
DEPRESSION		
TOPOGRAPHY		
ROCK OUTCROP		
BOULDER		
CUT LIMITS		
FILL LIMITS		
BOUNDARIES		
NATIONAL		
STATE		
COUNTY		
TOWN		
CITY OR VILLAGE		
PUBLIC LAND		
HIGHWAY BOUNDARY		
PROPERTY LINE		
PROPERTY LINE MARKER		
EASEMENT LINE		
RIGHT OF WAY LINE & MON.		
ACCESS INFORMATION		
ACQUISITION INFORMATION		
FEE WITH ACCESS		
PERMANENT EASEMENT		
TEMPORARY EASEMENT		
TEMPORARY OCCUPANCY		

FEATURE	SYMBOL	
	EXISTING	PROPOSED
RAILROADS		
RAILROAD (SCALE > 500)		
RAILROAD (SCALE < 500)		
RAILROAD (ABANDONED)		
RAILROAD W/ CATENARY		
RAILROAD W/ELECTRIC RAIL		
RAILROAD GRADE CROSSING GATE		
TREES AND BRUSH		
DECIDUOUS TREE		
CONIFEROUS TREE		
DECIDUOUS BUSH		
CONIFEROUS BUSH		
TREE TO BE REMOVED		
STUMP		
HEDGE		
BRUSH LINE		
WOODED AREA EDGE		
DECIDUOUS TREE ROW		
CONIFEROUS TREE ROW		
FOUNDATION PLANTING		
BUILDING AND SPECIAL SITES		
BUILDING		
BUILDING TO BE DEMOLISHED		
BUILDING UNDER CONSTRUCTION		
UNDERPASS		
MAIL BOX		
POST, FLAGPOLE, PARKING METER POLE (NON-UTILITY)		
WELL		
WATER LOCATIONS		
STREAM OR RIVER		
WATERFALLS OR RAPIDS		
INTERMITTENT STREAM		
SPRING		
MARSH OR SWAMP		
EDGE OF WATERWAY OR FEATURE		

FEATURE	SYMBOL	
	EXISTING	PROPOSED
ROUTE MARKERS		
INTERSTATE		
STATE		
COUNTY		
COUNTY TOURING ROUTE SHIELD		
TOWN		
U.S.		
ROADS		
PAVED ROADWAY		
UNPAVED ROADWAY		
SIDEWALK		
CURB/DROP CURB AS L.O.P.		
CHANGE OF PAVEMENT		
FLUSH MEDIAN		
GUIDE RAIL OR BARRIER		
TRAFFIC ATTENUATOR		
BOX BEAM OR "W" BEAM RAIL		
BOX BEAM OR "W" BEAM MED. BARR.		
CABLE GUIDE RAIL		
CONCRETE BARRIER		
RETAINING WALL		
FENCE		
GUIDE POSTS		
STONE WALL		
BARRICADE		
TRAFFIC CONTROL		
TEMPORARY CONCRETE BARRIER		
TEMPORARY CONCRETE BARRIER LIGHTED		
CONSTRUCTION BARRICADE		
CONST. BARRICADE LIGHTED		
PLASTIC DRUM		
PLASTIC DRUM LIGHTED		
FLASHING ARROW BOARD		
CONE		
FLAGGER		
VARIABLE MESSAGE DISPLAY		
SIGNS AND BILLBOARDS		
SIGN (GROUND MOUNTED)		
SIGN (OVERHEAD)		
BILLBOARD		
TWO POST SIGN		
SIGN LOCATION AND TEXT		
SIGN LOCATION AND MULTIPLE TEXT		
SIGN REMOVAL LOCATION		
SIGN TO BE RELOCATED		
SIGN TO REMAIN		

FEATURE	SYMBOL	
	EXISTING	PROPOSED
DRAINAGE FACILITIES		
CULVERT		
DRAINAGE STRUCTURE		
GRATE		
DITCH LINE		
PAVED GUTTER		
HEADWALL		
END SECTION		
RIP-RAP		
SANITARY SEWER		
STORM SEWER		
EROSION & SEDIMENTATION CONTROL		
STATE WETLAND		
FEDERAL WETLAND		
STATE/FED WETLAND		
ADJACENT AREA		
HAYBALE/STRAW BALE		
SILT FENCE		
VEGETATION FENCE		
SILT/VEG FENCE		
TURBIDITY CURTAIN		
SEDIMENT TRAP		
CHECK DAM (SILT FENCE)		
CHECK DAM (HAYBALE/STRAWBALE)		
CHECK DAM (STONE)		
UTILITY LINES		
UNDERGROUND ELECTRIC		
OVERHEAD ELECTRIC		
OVERHEAD ELECTRIC TRANSMISSION LINE		
UNDERGROUND TELEPHONE		
OVERHEAD TELEPHONE		
UNDERGROUND CABLE T.V.		
OVERHEAD CABLE T.V.		
UNDERGROUND FIBER OPTIC		
OVERHEAD FIBER OPTIC		
GAS		
OIL		
WATER		
GEOTECHNICAL		
BORING LOCATION		
SHEET PILING		

FEATURE	SYMBOL	
	EXISTING	PROPOSED
UTILITIES ABOVE GROUND		
UTILITY POLE		
GUY WIRE W/ANCHOR		
TRANS. LINE AND TOWERS		
TRANS. LINE AND POLES		
LIGHT POLE		
PULLBOX STREET LIGHTS		
TRAFFIC SIGNAL POLE		
UTILITY BOX		
PULLBOX TRAFFIC SIGNALS		
RR SIGNALS		
TRAFFIC SIGNAL		
CALL BOX POLICE, FIRE		
TELEPHONE BOOTH		
PAPER BOX		
ELECTRIC METER		
GAS METER		
WATER METER		
FIRE HYDRANT		
GAS LINE MARKER		
GUY WIRE		
WATER MANHOLE		
SANITARY SEWER MANHOLE		
TELEPHONE MANHOLE		
GAS MANHOLE		
MISC. MANHOLE		
WATER VALVE		
UTILITY VALVE		
GAS VALVE		

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED AS BUILT REVISIONS

*Lawrence E. Hines* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POLTNEY RIVER  
LEGEND

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

FILE NAME	REGION	DATE	DRAWING NO.
175376AA.EG	ONE	3/2002	LE-1

**AS BUILT: NO REVISIONS 9/2003**

FILE NAME = H:\proj\142007\CADD\AsBld\175376aa.eg  
DATE/TIME = 11/04/2003 09:42:38 AM  
USER = JLN

DESIGN SUPERVISOR: J.C. MANAGER T.C. CHECKED BY: E.K.T. DRAFTED BY: E.K.T. ESTIMATED BY: E.K.T.

FILE NAME = I:\work\142887\CAD\DWG\175376.dwg  
 DATE/TIME = 11/04/2003 09:42:07 AM  
 USER = BEN

DESIGNED BY TJC  
 JOB MANAGER TJC  
 CHECKED BY LAK  
 ESTIMATED BY EXT  
 DRAFTED BY BEN  
 CHECKED BY EXT

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED	FINAL
201.06M	CLEARING AND GRUBBING	NEC	1	
202.120001M	REMOVING EXISTING SUPERSTRUCTURES	NEC	1	
202.19M	REMOVAL OF SUBSTRUCTURES	CM	250	
203.02M	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	385	
203.03M	EMBANKMENT IN PLACE	CM	145	
203.21M	SELECT STRUCTURE FILL	CM	580	
205.01M	STRUCTURE EXCAVATION	CM	765	
207.15M	PREFABRICATED COMPOSITE STRUCTURAL DRAIN	SM	180	
209.05M	RAILRAIL/STAIRRAIL	M	10	
209.07M	TURBIDITY CURTAIN	SM	43	
209.08M	SILT FENCE	M	54	
210.5303M	REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING BOND BREAKERS AND/OR JOINT FILLERS	NEC	1	
304.12M	SUBBASE COURSE, TYPE 2	CM	195	
403.110001M	ASPHALT CONCRETE - TYPE 1 BASE COURSE	MT	125	
403.130001M	ASPHALT CONCRETE - TYPE 3 BINDER COURSE	MT	45	
403.170001M	ASPHALT CONCRETE - TYPE 6F TOP COURSE (FRICTION) MARSHALL DESIGN	MT	45	
407.01M	TACK COAT	L	145	
08520.5014M	SAW-CUT ASPHALT PAVEMENT, CONCRETE PAVEMENT AND ASPHALT OVERLAY ON CONCRETE PAVEMENT	M	52	
552.16M	EXCAVATION PROTECTION SYSTEM	SM	394	
553.02M	COFFERDAMS (TYPE 2)	EA	2	
555.0104M	FOOTING CONCRETE, CLASS A	CM	85	
555.0105M	CONCRETE FOR STRUCTURES, CLASS A	CM	200	
556.0202M	EPoxy-COATED BAR REINFORCEMENT FOR STRUCTURES	KG	12145	
557.05M	SUPERSTRUCTURE SLAB WITH INTEGRAL WEARING SURFACE - BOTTOM FORMWORK NOT REQUIRED	SM	227	
557.20M	STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE	SM	118	
558.01M	TRANSVERSE SAW-CUT GROOVING OF STRUCTURAL SLAB SURFACE	SM	300	
18559.1696M	PROTECTIVE SEALING OF STRUCTURAL CONCRETE	SM	303	
18559.1896M	PROTECTIVE SEALING OF STRUCTURAL CONCRETE FOR NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS	SM	360	
563.02M	PRESTRESSED CONCRETE BOX BEAM UNITS	SM	205	
565.1922M	TYPE E.I. BEARING (251 TO 500 MM)	EA	20	
568.54M	STEEL BRIDGE RAILING (THREE RAIL)	M	46.88	
606.10M	BOX BEAM GUIDE RAILING	M	36.0	
606.100001M	BOX BEAM GUIDE RAILING (SHOP CURVED)	M	5.4	
606.1201M	BOX BEAM GUIDE RAILING END ASSEMBLY TYPE 1	EA	2	
606.63M	REMOVING AND STORING BOX BEAM GUIDE RAILING	M	52	
606.6320M	REMOVING AND STORING BOX BEAM GUIDE RAILING END ASSEMBLY	EA	2	
16606.80M	TRANSITION - BRIDGE RAILING OR CONCRETE BARRIER TO BOX BEAM GUIDE RAIL	M	34.89	
610.0209M	ESTABLISHING TOP	SM	130	
613.0101M	TOPSOIL	CM	10	
619.01M	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	NEC	1	
619.02M	CONSTRUCTION SIGNS	NEC	1	
619.0413M	TYPE III CONSTRUCTION BARRICADES	M	8.6	
619.0602M	LIGHTING FOR CONSTRUCTION BARRICADES	M	8.6	
10619.0639M	LIGHTS FOR CONCRETE BARRIER	M	42.7	
619.17M	TEMPORARY CONCRETE BARRIER	M	42.7	
619.2101M	CONSTRUCTION ZONE PAVEMENT MARKING STRIPES (OPTIONAL)	M	67.6	
625.01M	SURVEY AND STAKEOUT	NEC	1	
637.03M	CONCRETE CYLINDER CURING BOX	EA	1	
637.0502M	ENGINEER'S OFFICE TYPE A	MO	12	
15637.35M	MICROCOMPUTER SYSTEM	EA	1	
15637.51M	DIGITAL CAMERA SYSTEM	FLS	1	
15637.91M	CHAMP MANAGEMENT SYSTEM	FLS	1	
640.20M	WHITE PAINT REFLECTORIZED PAVEMENT STRIPES - 0.51 mm	M	107	
640.21M	YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES - 0.51 mm	M	101	
647.02M	REMOVAL OF SIGNS - SIZE B (1.1 TO 2.0 SQUARE METERS)	EA	2	
647.12M	RELOCATING SIGNS - SIZE B (1.1 TO 2.0 SQUARE METERS)	EA	2	
697.01M	INTERIM PAYMENT	FLS	1	
698.01M	ASPHALT PRICE ADJUSTMENT	FLS	1	
698.02M	FUEL PRICE ADJUSTMENT	FLS	1	
699.04M	MOBILIZATION (4%)	NEC	1	

FED ROAD REC. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		4	43

COUNTY ROAD 18 OVER POLTNEY RIVER  
 WASHINGTON COUNTY, NY / RUFFLAND COUNTY, VT  
 TOWN OF HAMPTON, NY / POLTNEY, VT  
 CAPITAL PROJECT IDENTIFICATION NO. 1753.76

AS BUILT: NO REVISIONS 9/2003

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

*Lawrence E. Stevens* 9/2003  
 SIGNATURE DATE

COUNTY ROAD 18 OVL.R POLTNEY RIVER  
 SUMMARY OF QUANTITIES

WASHINGTON COUNTY  
 DEPARTMENT OF PUBLIC WORKS

FILENAME	REGION	DATE	DRAWING NO.
175376AA.NTA	ONE	5/2002	QUAN-1

FILE NAME = I:\projects\142887\CADD\dwg\175376a.dwg  
 DATE/TIME = 11/24/2003 09:46:26 AM  
 USER = RJN

CHECKED BY: EKT

DRAFTED BY: RJN

ESTIMATED BY: EKT

CHECKED BY: LAK

DESIGNED BY: EKT

DESIGN SUPERVISOR: JAC

INDEX

SHEET NO.	DESCRIPTION	DRAWING NO.
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	IN-1
3	TYPICAL SECTIONS	TS-1
4	SUMMARY OF QUANTITIES	QUAN-1
5	LEGEND	LE-1
6	MAINTENANCE & PROTECTION OF TRAFFIC (SHEET 1 OF 4)	MPT-1
7	MAINTENANCE & PROTECTION OF TRAFFIC (SHEET 2 OF 4)	MPT-2
8	MAINTENANCE & PROTECTION OF TRAFFIC (SHEET 3 OF 4)	MPT-3
9	MAINTENANCE & PROTECTION OF TRAFFIC (SHEET 4 OF 4)	MPT-4
10	MISCELLANEOUS TABLES	MT-1
11	GENERAL PLAN	GP-1
12	PROFILE	GP-2
13	BASELINE TIES AND TABLE OF MAINTENANCE JURISDICTION	BLT-1
14	EROSION AND SEDIMENT CONTROL PLAN	EPC-1
15	EROSION AND SEDIMENT CONTROL DETAILS	EPC-2
16	PROJECT LIMIT SIGNING AND STRIPING PLAN & DETAILS	SSP-1
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18	TYPICAL BRIDGE SECTIONS	ST-2
19	GENERAL NOTES	ST-3
20	BORDING LOCATION PLAN AND GENERAL SUBSURFACE PROFILE	ST-4
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22	EXCAVATION AND EMBANKMENT DETAILS	ST-6
23	EXCAVATION AND EMBANKMENT SECTION	ST-7
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38	BRIDGE RAIL (SHEET 2 OF 4)	ST-22
39	BRIDGE RAIL (SHEET 3 OF 4)	ST-23
40	BRIDGE RAIL (SHEET 4 OF 4)	ST-24
41	BAR BENDING DIAGRAM	ST-25
42	BAR LIST (SHEET 1 OF 2)	ST-26
43	BAR LIST (SHEET 2 OF 2)	ST-27

ALIGNMENT

- AH = AHEAD
- AZ = AZIMUTH
- BK = BACK
- BL = BASELINE
- BNG = BEARING
- CL = CENTERLINE
- CS = CURVE TO SPIRAL
- e = CROSS SLOPE
- EQ = EQUALITY
- EXT = EXTERNAL
- HCL = HORIZONTAL CONTROL LINE
- HEAD = HEADLIGHT SIGHT DISTANCE
- L = LENGTH OF CIRCULAR CURVE
- LS = LENGTH OF SPIRAL
- LVC = LENGTH OF VERTICAL CURVE
- MC = CENTER CORRECTION OF VERTICAL CURVE
- M = MAIN LINE
- PC = POINT OF CURVATURE
- PI = POINT OF INTERSECTION
- POL = POINT ON LINE
- PSD = PASSING SIGHT DISTANCE
- PT = POINT OF TANGENT
- PVC = POINT OF VERTICAL CURVE
- PVI = POINT OF VERTICAL INTERSECTION
- PVT = POINT OF VERTICAL TANGENT
- R = RADIUS
- SC = SPIRAL TO CURVE
- SSD = STOPPING SIGHT DISTANCE
- ST = SPIRAL TO TANGENT
- STA = STATION
- T = TANGENT LENGTH
- TGL = THEORETICAL GRADE LINE
- TS = TANGENT TO SPIRAL
- VC = VERTICAL CURVE

TOPOGRAPHY (DRAINAGE)

- BB = BOTTOM OF BANK (STREAM)
- BC = BOTTOM OF CLIFF
- BO = BOTTOM OF OPENING
- CAP = CORRUGATED ALUMINUM PIPE
- CB = CATCH BASIN
- CIP = CAST IRON PIPE
- CL = CENTERLINE OF STREAM
- CMP = CORRUGATED METAL PIPE
- CP = CONCRETE PIPE
- CSP = CORRUGATED STEEL PIPE
- CLLV = CULVERT
- DIA = DIAMETER
- DMH = DRAINAGE MANHOLE
- DS = DRAINAGE STRUCTURE
- D'XING = DITCH CROSSING
- ELW = EXTREME HIGH WATER
- EL = ELEVATION
- ELV = ELEVATION
- ELW = EXTREME LOW WATER
- ES = END SECTION
- HW = HEADWALL
- INW = INVERT
- MH = MANHOLE
- MHW = MEAN HIGH WATER
- OHW = ORDINARY HIGH WATER
- OLW = ORDINARY LOW WATER
- SIOP = SMOOTH INTERIOR CORRUGATED PE PIPE
- RCP = REINFORCED CONCRETE PIPE
- TB = TOP OF BANK (STREAM)
- TC = TOP OF CURB
- TG = TOP OF GRATE
- VCP = VITRIFIED CLAY PIPE

TOPOGRAPHY (MISCELLANEOUS)

- ABUT = ABUTMENT
- AOBE = AS ORDERED BY ENGINEER
- ASHI = ASPHALT
- BDY = BOUNDARY
- BLDG = BUILDING
- BM = BENCH MARK
- CC = CENTER TO CENTER
- CONC = CONCRETE
- CONST = CONSTRUCTION
- CR = COUNTY ROAD
- D = DEED DISTANCE
- DM = DIRECT MEASUREMENT
- DWY = DRIVEWAY
- EP = EDGE OF PAVEMENT
- ES = EDGE OF SHOULDER
- FP = FENCE POST
- FD = FOUNDATION
- FL = FENCE LINE
- GAR = GARAGE
- GR = GRAVEL
- HO = HOUSE
- HWY = HIGHWAY
- IP = IRON PIN OR IRON PIPE
- MB = MAILBOX
- MON = MONUMENT
- N&W = NAIL AND WASHER
- OG = ORIGINAL GROUND
- O/H = OVERHEAD
- P = PARCEL
- PAV'T = PAVEMENT
- PE = PERMANENT EASEMENT
- PEP = PEDESTRIAN POLE
- PL = PROPERTY LINE
- POR = PORCH
- RR = RAILROAD
- RTE = ROUTE
- ROW = RIGHT OF WAY
- ROW W/A = RIGHT OF WAY WITH ACCESS
- ROW W/O/A = RIGHT OF WAY WITHOUT ACCESS
- RW = RETAINING WALL
- SH = STATE HIGHWAY
- SHLDR = SHOULDER
- SPK = SPIKE
- ST = STREET
- STK = STAKE
- STY = STORY
- SW = SIDEWALK
- TE = TEMPORARY EASEMENT
- TO = TEMPORARY OCCUPANCY
- U/G = UNDERGROUND
- WW = WING WALL

FED ROAD REF. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		2	43

COUNTY ROAD 18 OVER POULTNEY RIVER  
 WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT  
 TOWN OF HAMPTON, NY / POULTNEY, VT  
 CAPITAL PROJECT IDENTIFICATION NO. 1753.76

UTILITIES

- E = ELECTRIC
- EMH = ELECTRIC MANHOLE
- G = GAS
- GP = GUY POLE
- GSB = GAS SERVICE BOX (HOUSE LINE)
- GV = GAS VALVE (MAIN LINE)
- HYD = HYDRANT
- LP = LIGHT POLE
- LPG = LOW PRESSURE GAS
- HP = POWER POLE
- SA = SANITARY SEWER
- SMH = SANITARY MANHOLE
- ST = STORM SEWER
- T = TELEPHONE
- TOB = TRAFFIC CONTROL BOX
- TELEBOX = TELEPHONE BOX
- TEL P = TELEPHONE POLE
- TMH = TELEPHONE MANHOLE
- CTV = CABLE TELEVISION
- W = WATER
- WSB = WATER SERVICE BOX (HOUSE LINE)
- WV = WATER VALVE (MAIN LINE)

SUBSURFACE EXPLORATION

STANDARD SYMBOL	ABC-1
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND ALGER
CP	CONE PENETROMETER
DA	60 mm CASSED DRILL HOLE
DM	DRILLING MUD
DN	100 mm CASSED DRILL HOLE
FH	HOLLOW FLIGHT ALGER
PA	POWER ALGER
PH	PROBE
PT	PERCOLATION TEST HOLE
HP	25 mm SAMPLER (RETRACTABLE PLUG)
SP	SEISMIC POINT
TP	TEST PIT
REPLACE ABBREVIATION "C" IN CATEGORIES: DA, DM, DN AND FH WITH:	
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

AS BUILT: NO REVISIONS 9/2003

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT; ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE; SPEC BOOK/PROPOSAL
m	M	METER
m <sup>2</sup>	SQM	SQUARE METER
m <sup>3</sup>	CM	CUBIC METER
km	KM	KILOMETER
ha	HA	HECTARE
kg	KG	KILOGRAMS
† OR Mg	MT	METRIC TON
l	L	LITER

\* THE METRIC TON EQUIVALENT TO THE MEGAGRAM (Mg)

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
 AS BUILT REVISIONS

*Lawrence E. Stevens* 9/2003  
 SIGNATURE DATE

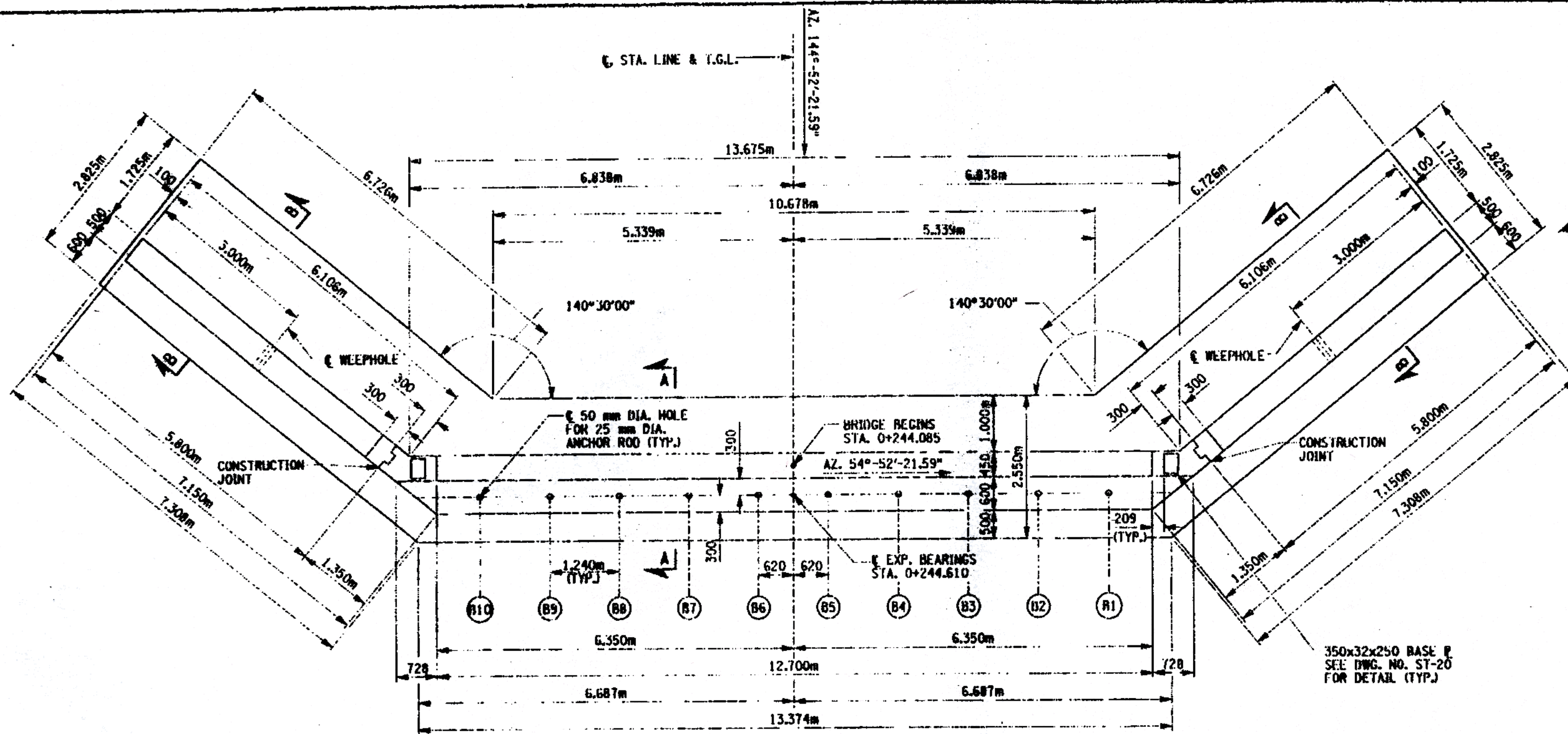
COUNTY ROAD 18 OVER POULTNEY RIVER  
 INDEX AND ABBREVIATIONS

WASHINGTON COUNTY  
 DEPARTMENT OF PUBLIC WORKS

FILE NAME	REGION	DATE	DRAWING NO.
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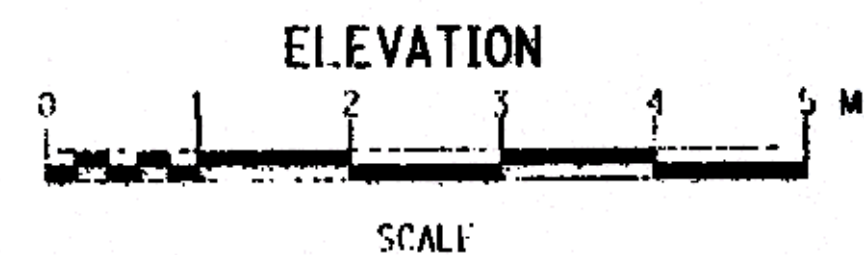
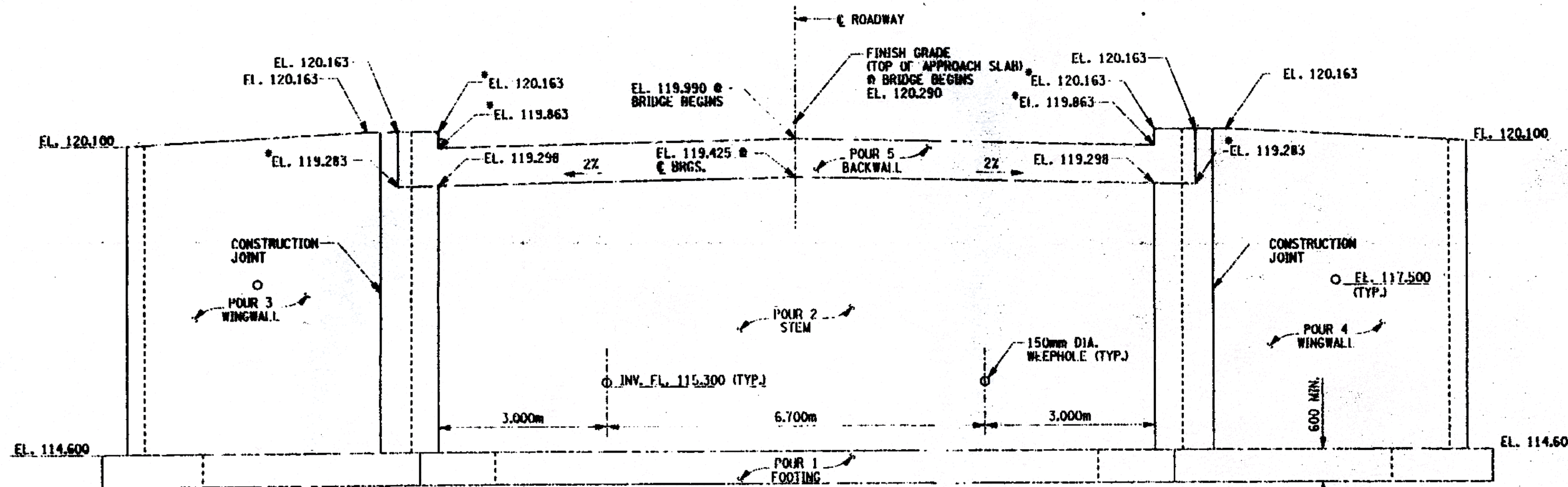
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1	N.Y.		24	43
COUNTY ROAD 18 OVER POULNEY RIVER				
WASHINGTON COUNTY, NY / BAYLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

**AS BUILT: NO REVISIONS 9/2003**



POUR	ITEM 555.0104 M	ITEM 555.0105 M
1	46.4	---
2	---	69.8
3	---	16.1
4	---	16.1
5	---	4.0
TOTAL	46.4	106.0

NOTE:  
POUR # DOES NOT NECESSARILY INDICATE CONSTRUCTION SEQUENCE.



\* INDICATES ELEVATIONS TAKEN AT FRONT FACE OF BACKWALL.

NOTES:  
FOR DESIGN PURPOSES, THE MAXIMUM FOOTING PRESSURE DOES NOT EXCEED 1.0 MPa.  
REINFORCEMENT NOT SHOWN  
FOR SECTION A-A SEE DWG. NO. ST-10.  
FOR SECTION B-B SEE DWG. NO. ST-10.  
FOR WEST ABUTMENT REINFORCEMENT PLANS AND WINGWALL REINFORCEMENT ELEVATION SEE DWG. NO. ST-9.  
FOR WATERSTOP DETAIL, SEE DWG. NO. ST-14.  
FOR CHAMFER DETAIL, SEE DWG. NO. ST-14.

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

*Signature* 9/2003  
SIGNATURE DATE

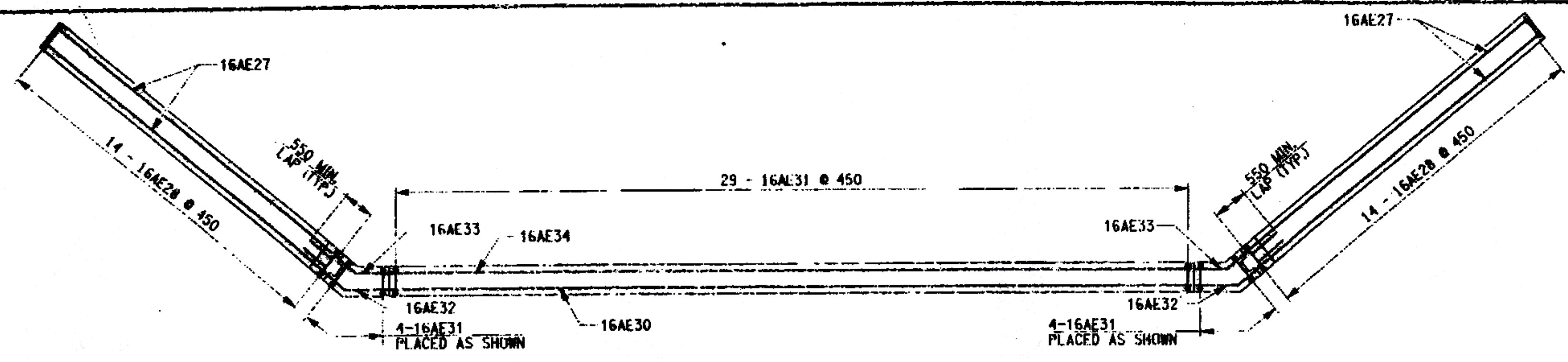
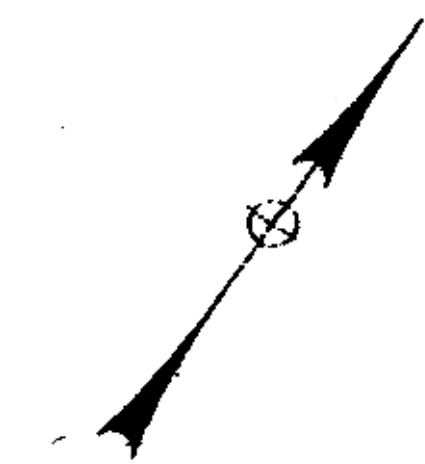
COUNTY ROAD 18 OVER POULNEY RIVER  
WEST ABUTMENT  
PLAN AND ELEVATION

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

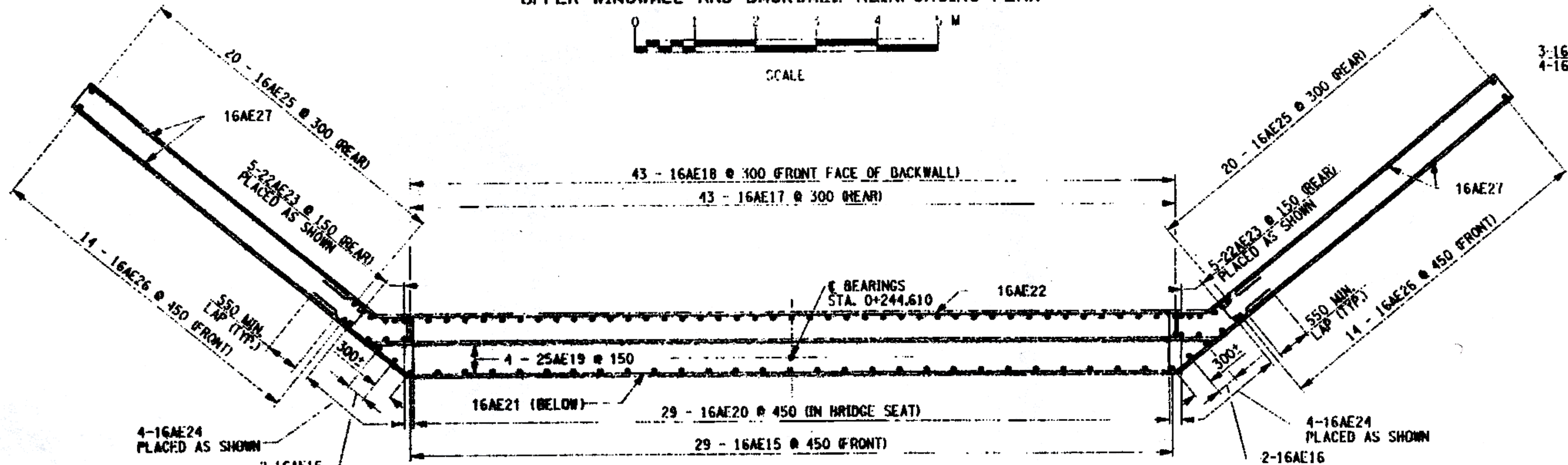
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 USER: JLN  
 DESIGN SUPERVISOR: JIC  
 JOB MANAGER: JIC  
 DESIGNED BY: JLN  
 CHECKED BY: JLN  
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 CHECKED BY: JLN

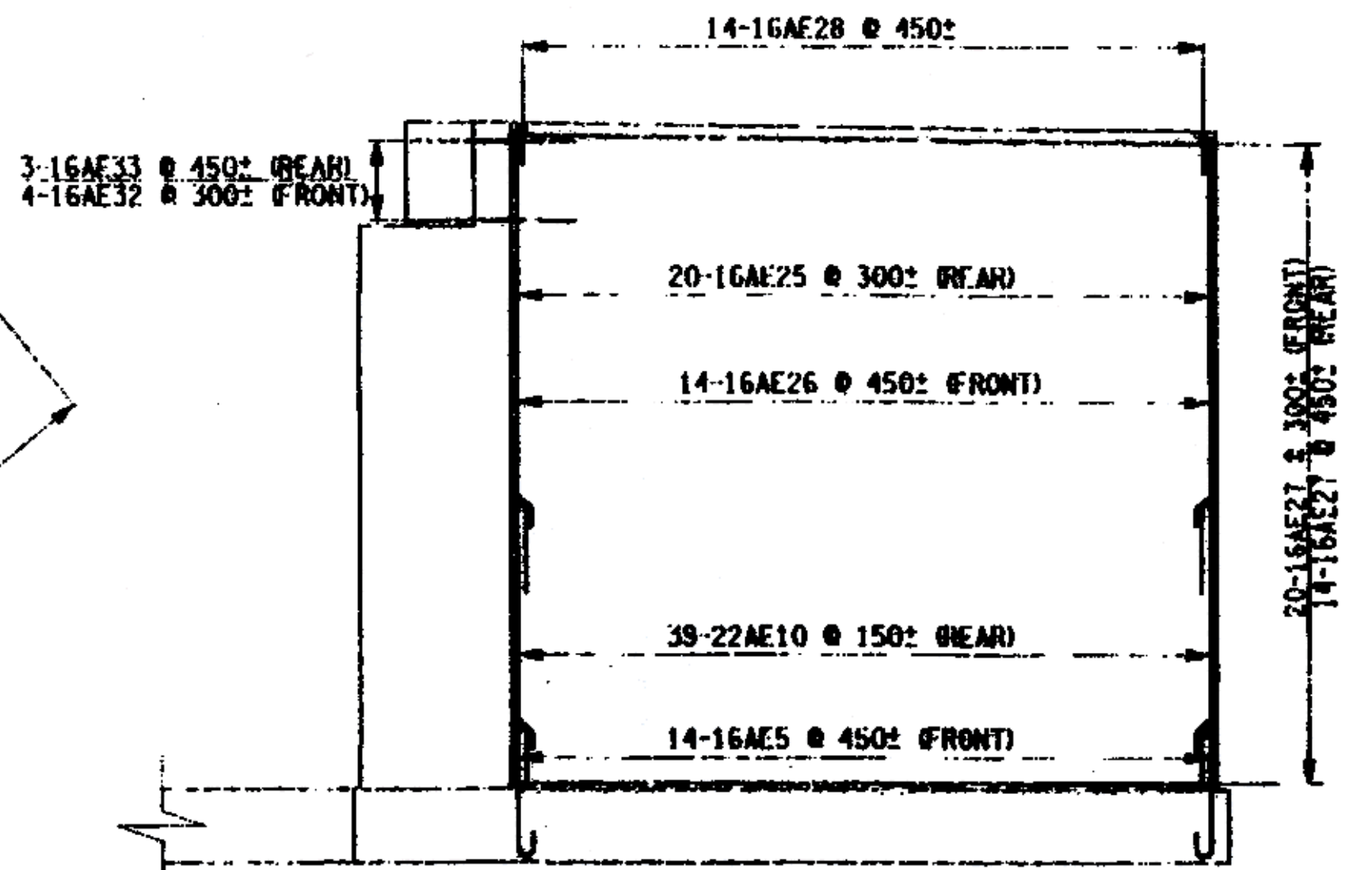
FLD ROAD H.G. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		25	43
COUNTY ROAD 18 OVER POLTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POLTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



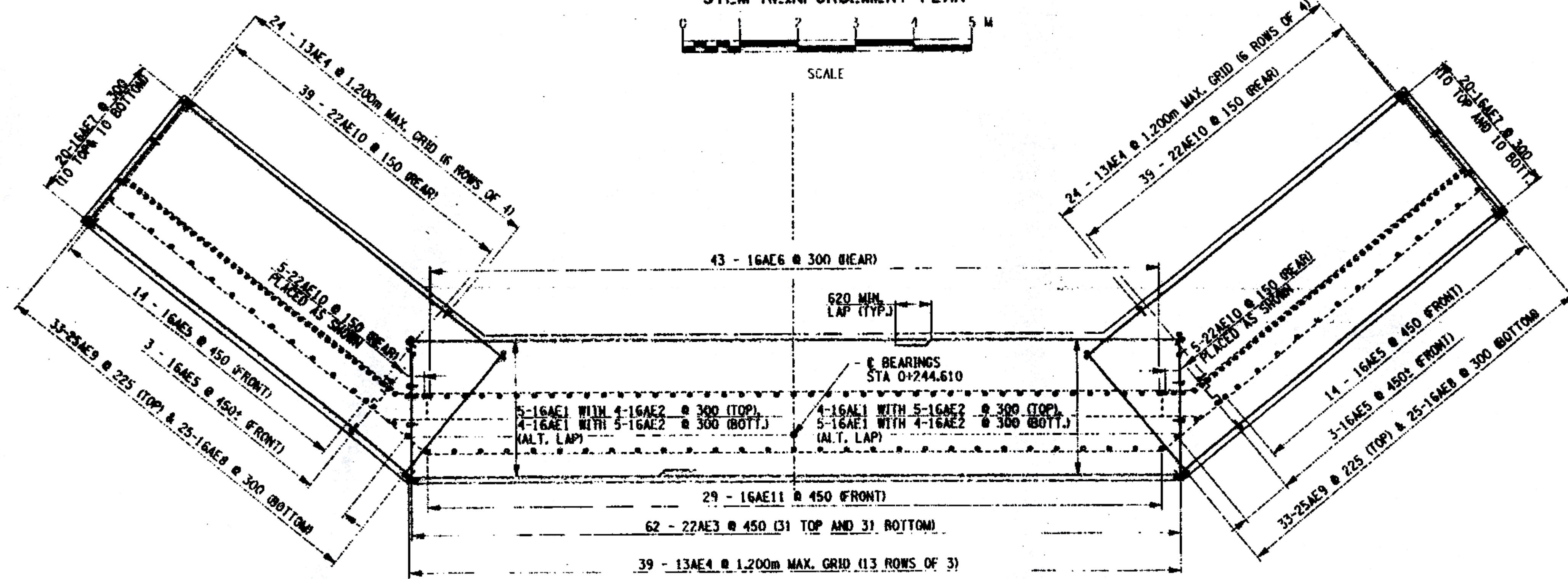
UPPER WINGWALL AND BACKWALL REINFORCING PLAN



STEM REINFORCEMENT PLAN



TYPICAL WINGWALL REINFORCEMENT ELEVATION



FOOTING REINFORCEMENT PLAN

**AS BUILT: NO REVISIONS 9/2003**

NOTES:  
 FOR WEST ABUTMENT PLAN AND ELEVATION, SEE DWG. NO. ST-8  
 FOR ADDITIONAL WEST ABUTMENT REINFORCEMENT DETAILS, SEE DWG. NO. ST-10  
 ALL COVER SHALL BE 75mm IN THE FOOTING AND 50mm ELSEWHERE, UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
 AS BUILT REVISIONS

*James E. Stinson* 9/2003  
 SIGNATURE DATE

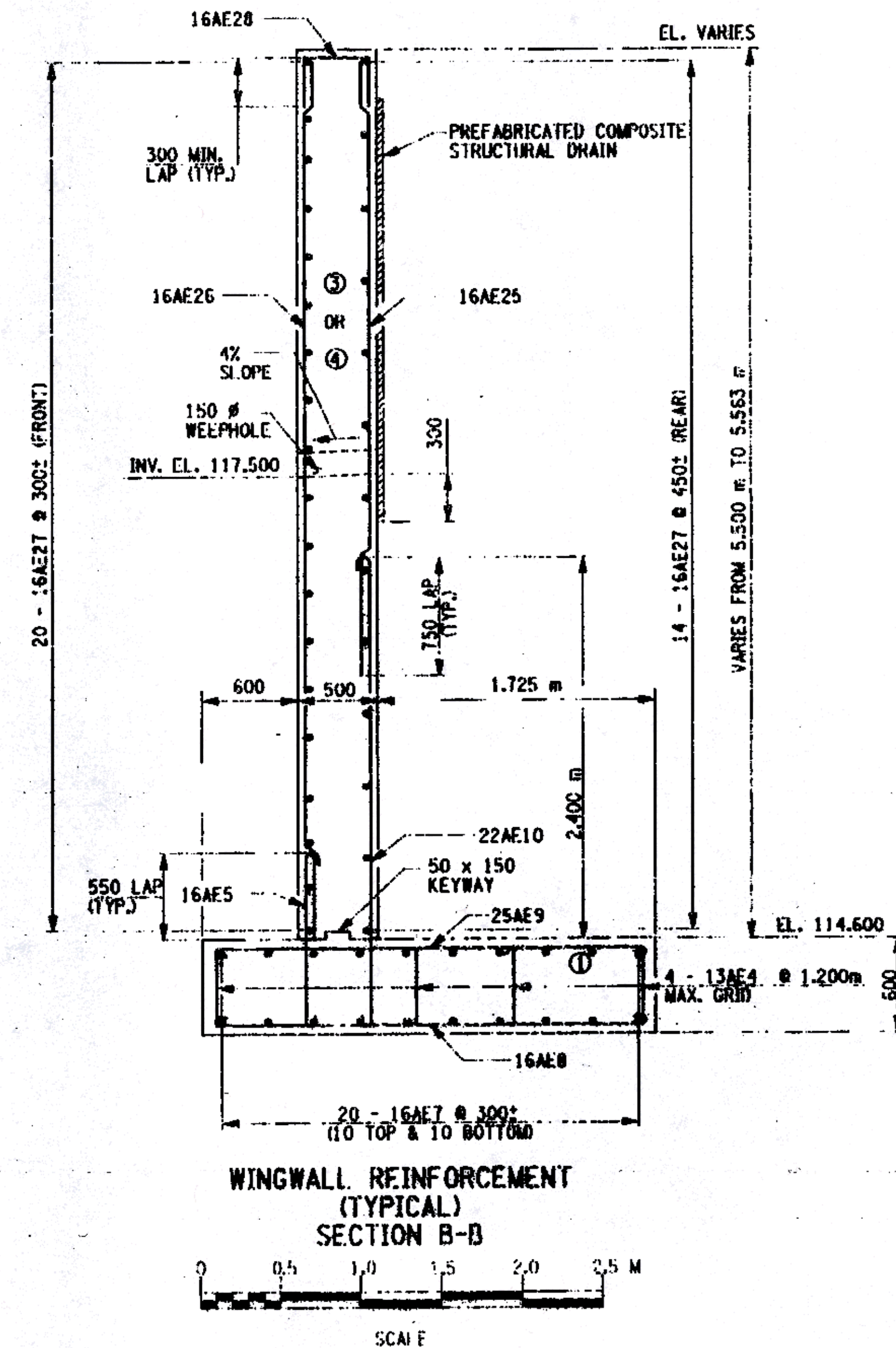
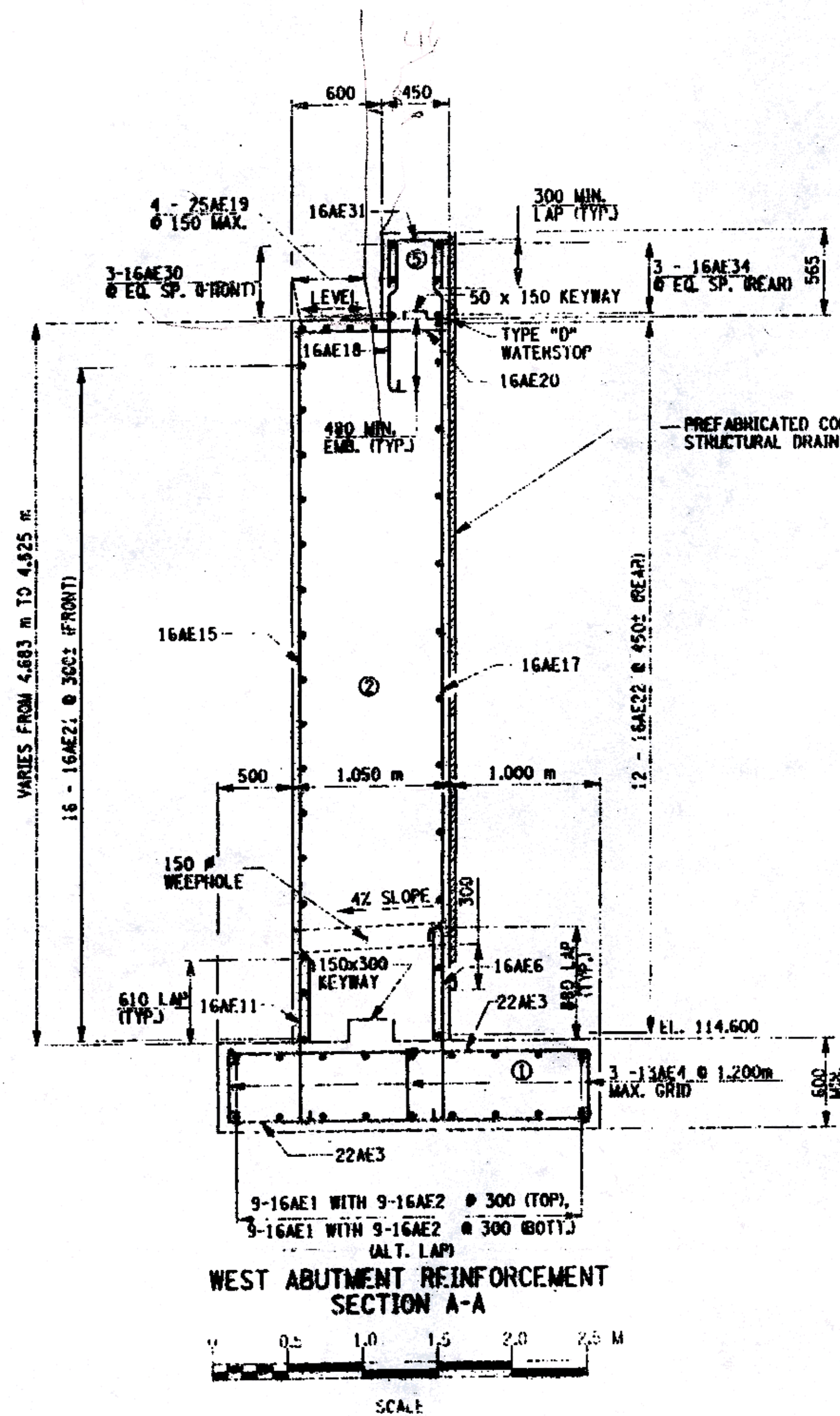
COUNTY ROAD 18 OVER POLTNEY RIVER  
 WEST ABUTMENT PLAN AND  
 WINGWALL ELEVATION REINFORCEMENT

WASHINGTON COUNTY  
 DEPARTMENT OF PUBLIC WORKS

FILENAME 175376AA-1C	REGION ONE	DATE 3/2002	DRAWING NO. ST-9
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 USER = RJK  
 DESIGN SUPERVISOR JAC  
 JOB MANAGER JAC  
 CHECKED BY LAK  
 ESTIMATED BY EKT  
 DRAWN BY RJK  
 CHECKED BY EKT

F.I.D. ROAD R.G. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		26	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



**AS BUILT: NO REVISIONS 9/2003**

NOTES:  
 FOR LOCATION OF SECTIONS, SEE DWG. NO. ST-8.  
 FOR KEYWAY AND WATERSTOP DETAILS, SEE DWG. NO. S1-14.  
 ALL COVER SHALL BE 75mm IN THE FOOTING AND 50mm ELSEWHERE, UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
 AS BUILT REVISIONS

*Signature*  
 SIGNATURE DATE 9/2003

COUNTY ROAD 18 OVER POULTNEY RIVER  
 WEST ABUTMENT SECTION REINFORCEMENT

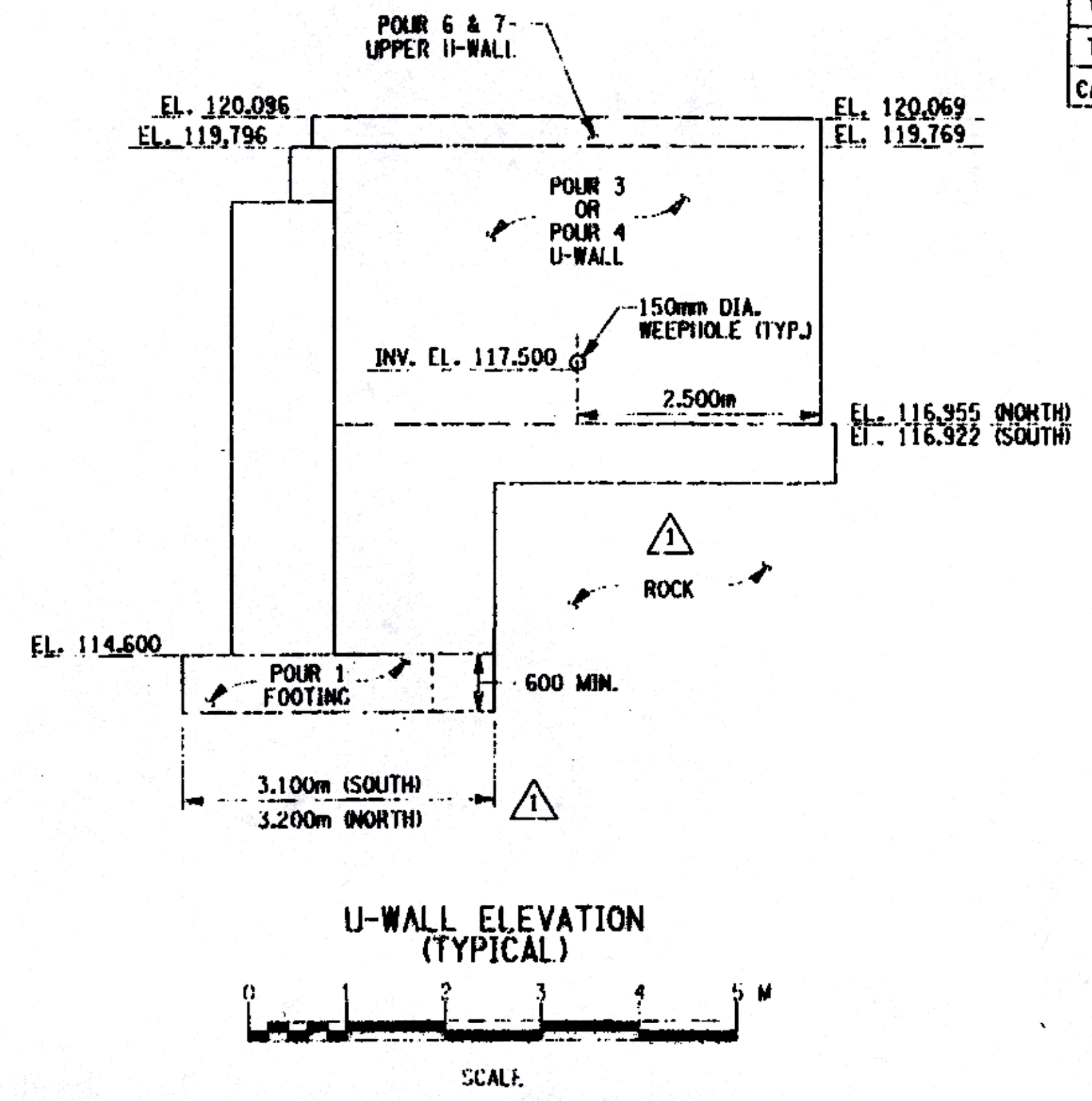
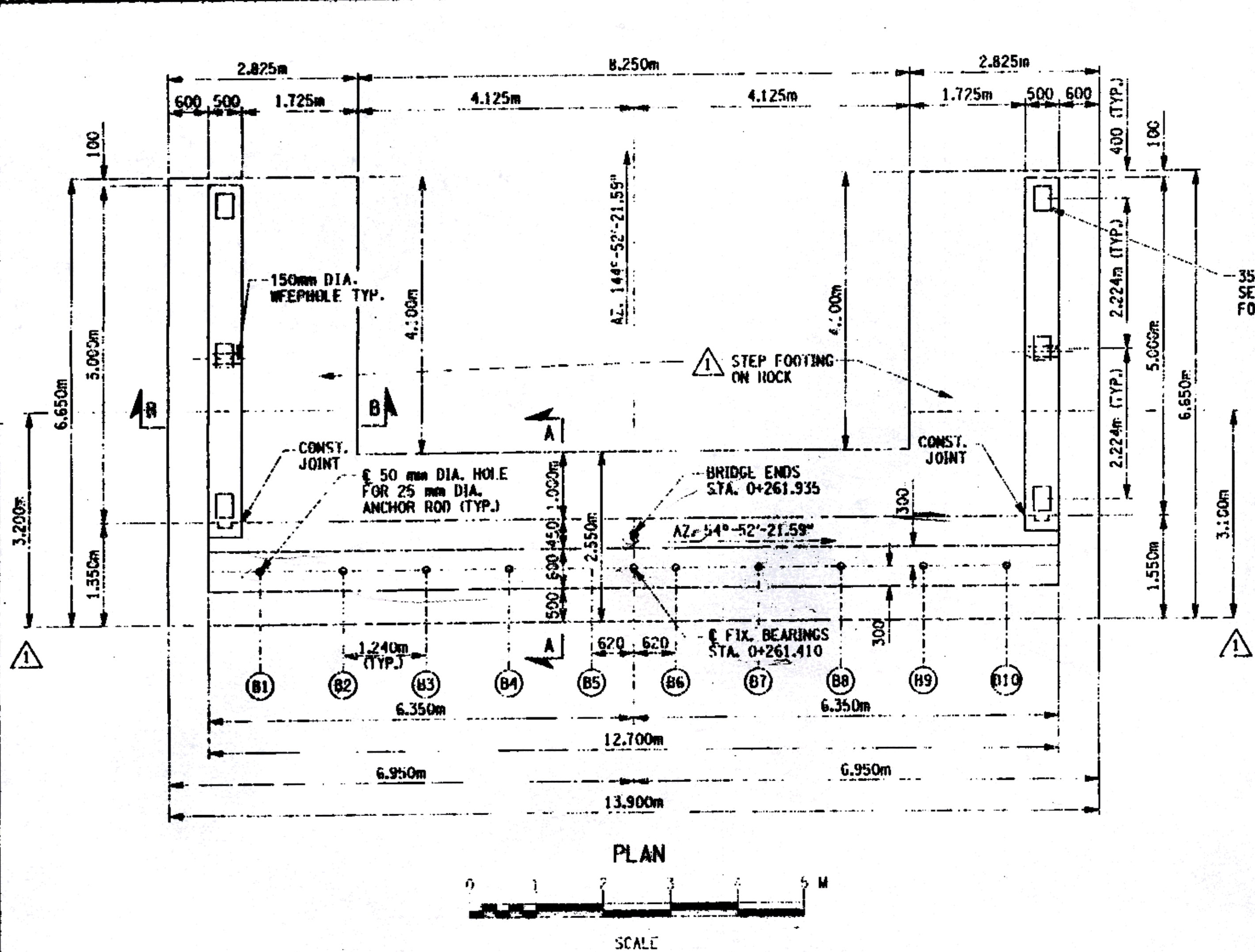
WASHINGTON COUNTY  
 DEPARTMENT OF PUBLIC WORKS

FILENAME 175376AA.11D	REGION ONE	DATE 3/2002	DRAWING NO. ST-10
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 ESTIMATED BY ENT  
 DRAFTED BY RJM  
 CHECKED BY ENT  
 JOB MANAGER TJC  
 REGION SUPERVISOR TJC

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		27	43
COUNTY ROAD 18 OVER POLTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POLTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

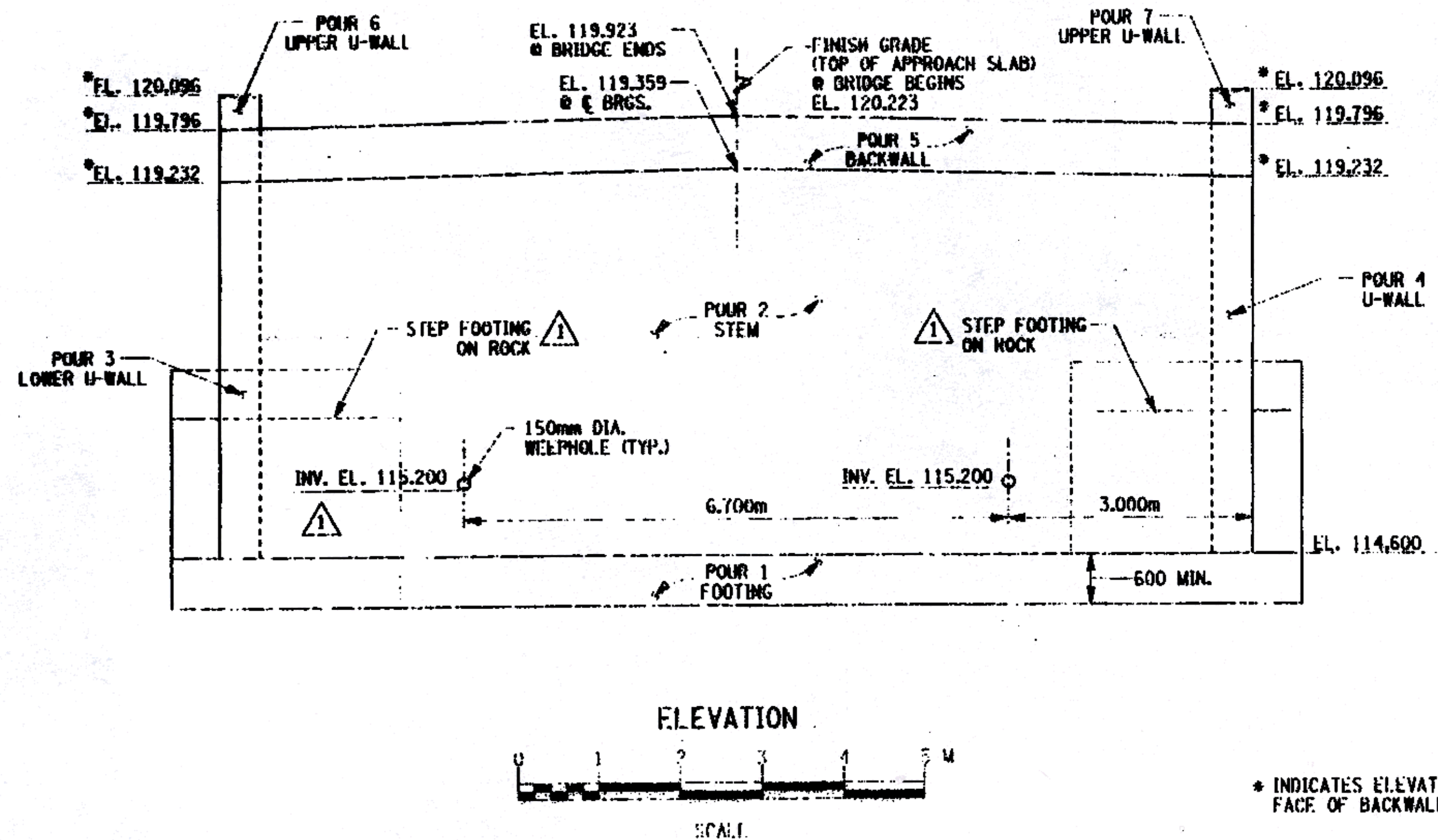


CONCRETE TABLE (m <sup>3</sup> )		
POUR	ITEM 555.0104 M	ITEM 555.0105 M
1	38.7	---
2	---	62.6
3	---	13.0
4	---	13.0
5	---	3.2
6	---	0.8
7	---	0.8
TOTAL	38.7	93.4

NOTE:  
POUR # DOES NOT NECESSARILY INDICATE CONSTRUCTION SEQUENCE.

**AS BUILT: REVISIONS 9/2003**

- NOTES:
- FOR DESIGN PURPOSES, THE MAXIMUM FOOTING PRESSURE DOES NOT EXCEED 1.0 MPa.
  - REINFORCEMENT NOT SHOWN.
  - FOR EAST ABUTMENT REINFORCEMENT PLANS, SEE DWG. NO. ST-12.
  - FOR EAST ABUTMENT REINFORCEMENT U-WALL ELEVATION, SEE DWG. NO. ST-12.
  - FOR SECTIONS A-A & B-B REINFORCING SEE DWG. NO. ST-13.
  - FOR WATERSTOP DETAIL, SEE DWG. NO. ST-14.
  - FOR CHAMFER DETAIL, SEE DWG. NO. ST-14.



\* INDICATES ELEVATIONS TAKEN AT FRONT FACE OF BACKWALL.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

*Signature* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POLTNEY RIVER  
**EAST ABUTMENT  
PLAN AND ELEVATION**

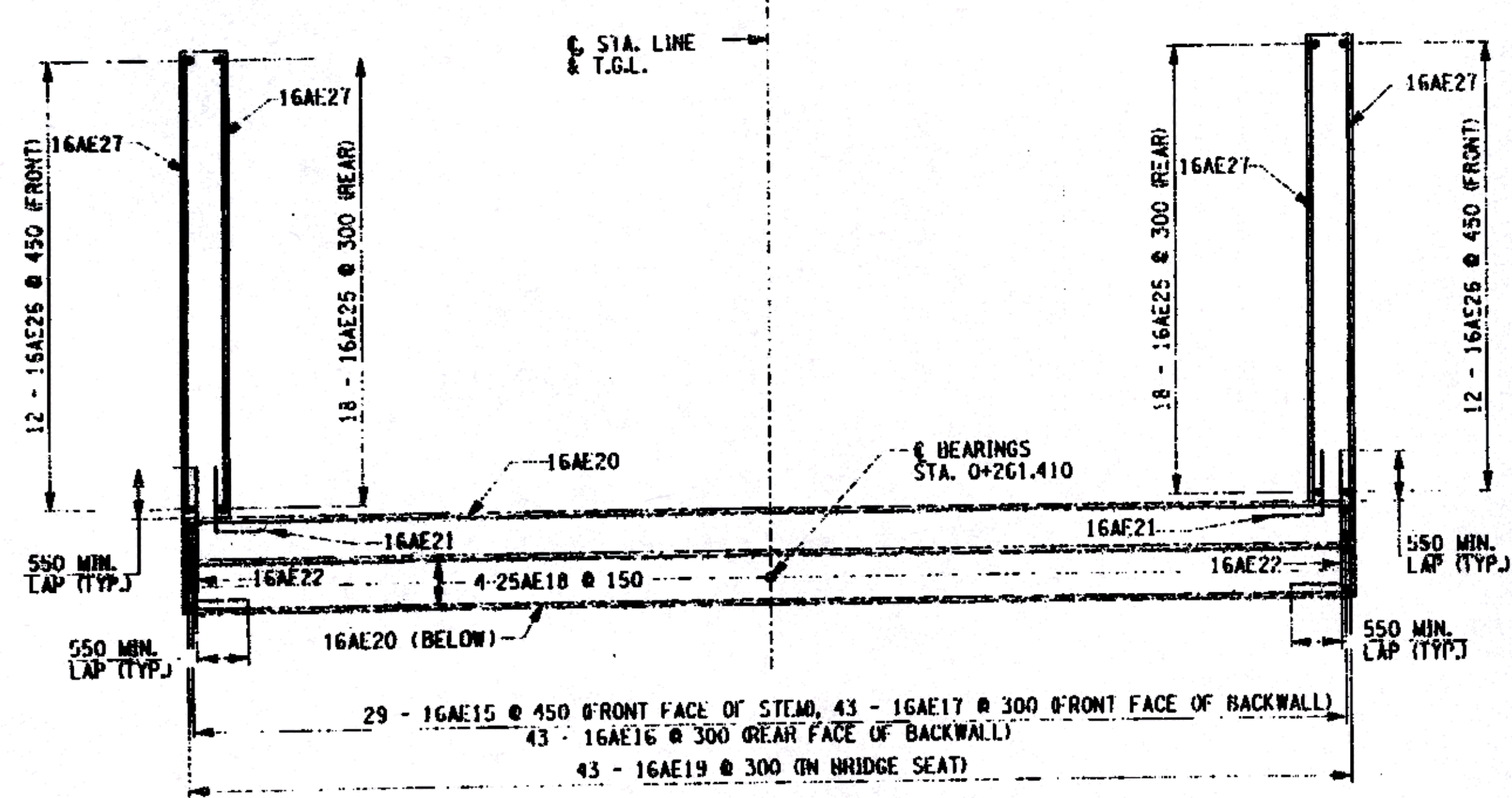
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

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DATE/TIME: 11/04/2003 10:06:05 AM  
USER: JSS

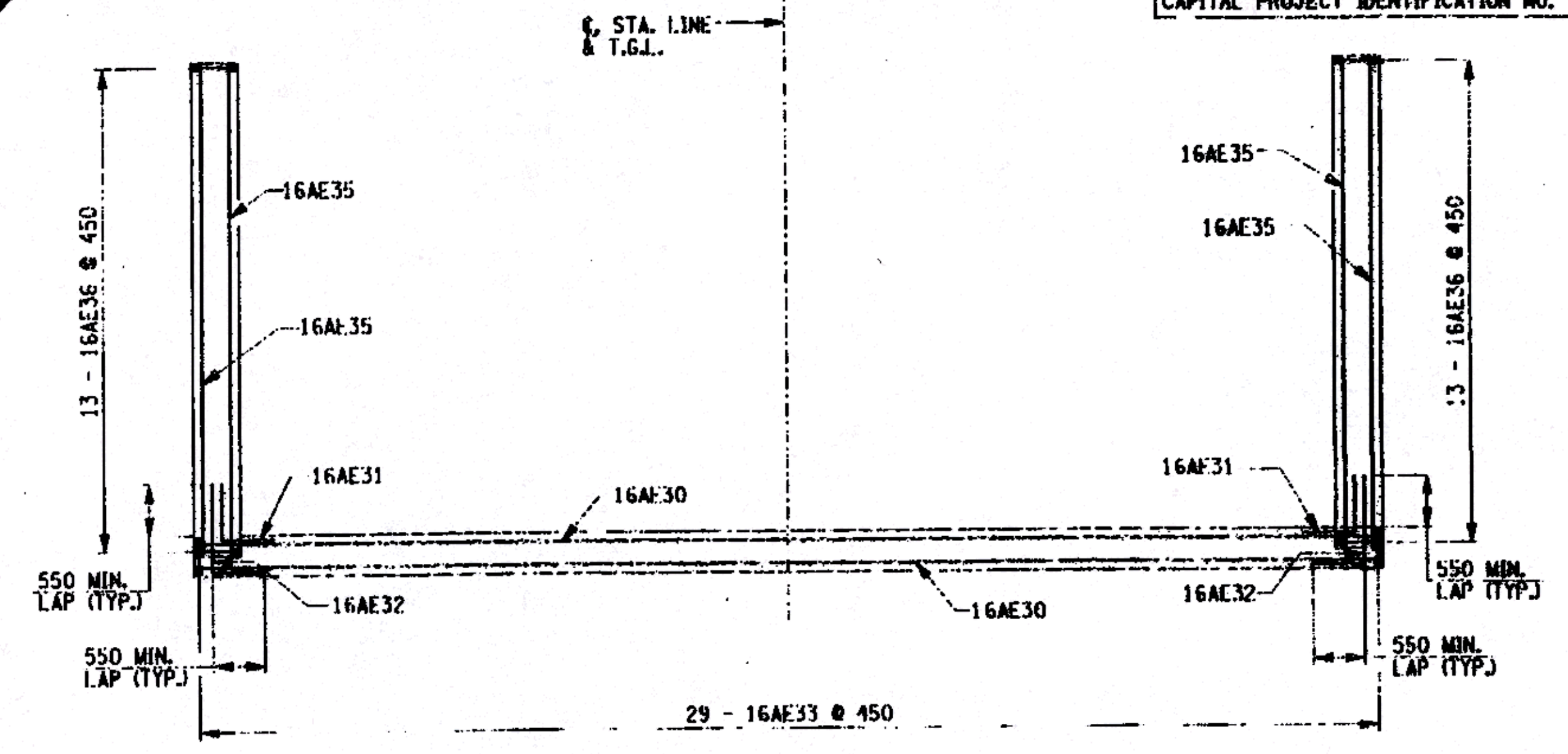
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CHECKED BY LAX  
DESIGNED BY LAX  
DESIGN SUPERVISOR JSS  
JSS MANAGER JSS  
ESTIMATED BY EXT  
CHECKED BY EXT  
DESIGNED BY EXT  
CHECKED BY EXT

FED. ROAD RFG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		28	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



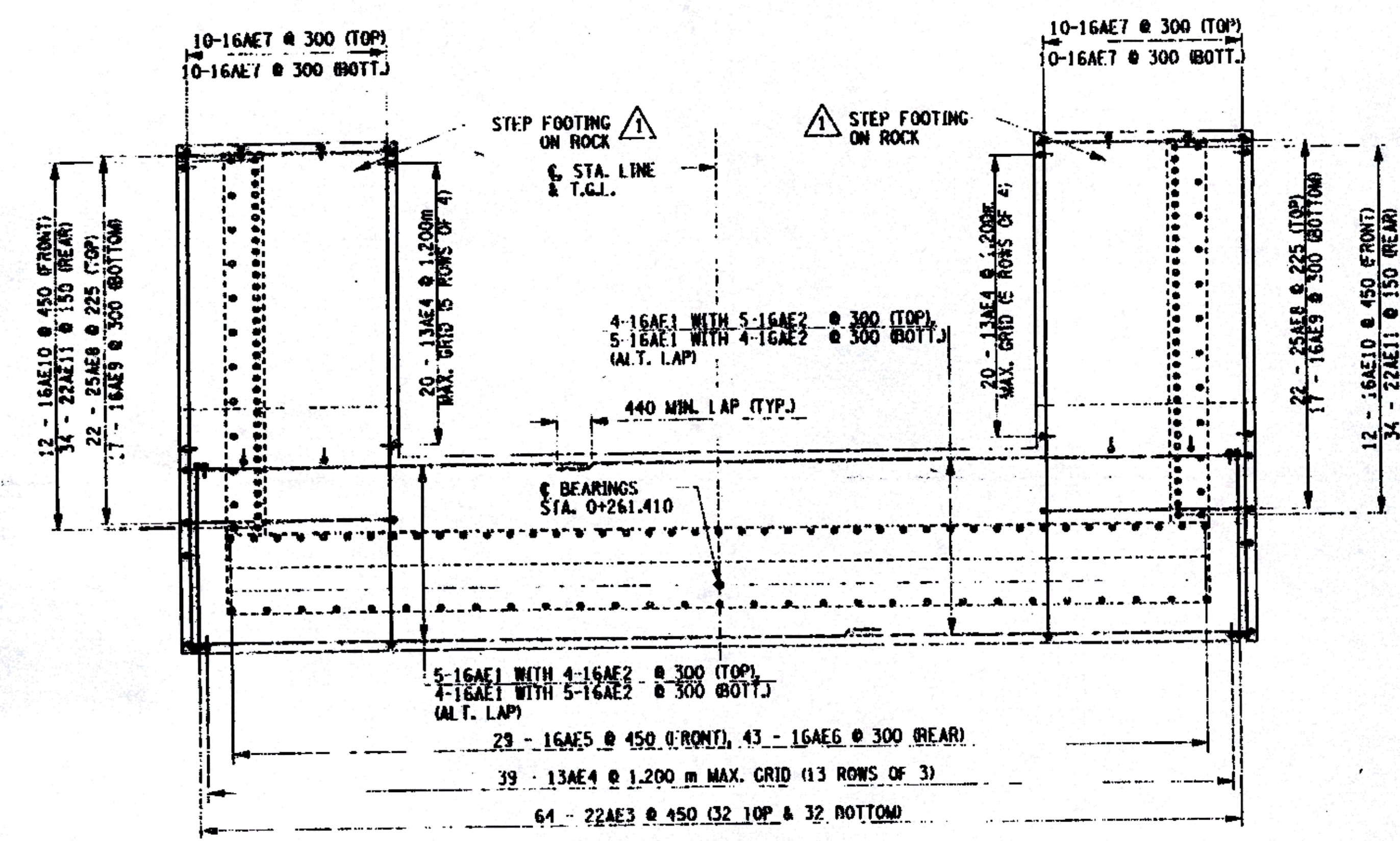
STEM AND LOWER WINGWALL  
REINFORCEMENT PLAN

SCALE



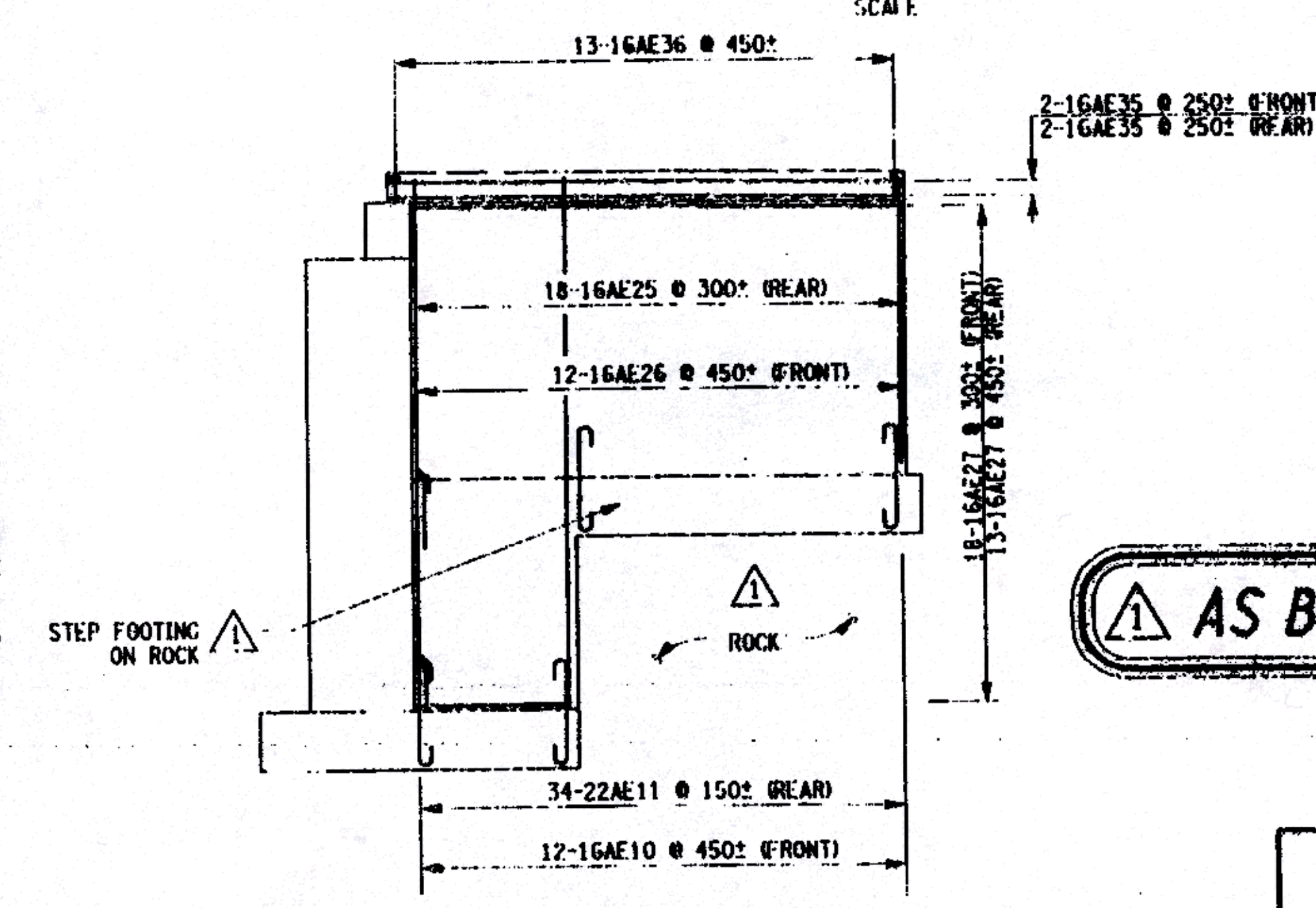
BACKWALL AND UPPER WINGWALL REINFORCING

SCALE



FOOTING REINFORCEMENT PLAN

SCALE



U-WALL REINFORCEMENT PLAN

SCALE

**AS BUILT: REVISIONS 9/2003**

NOTES:  
 FOR EAST ABUTMENT PLAN AND ELEVATION, SEE DWG. NO. ST-11.  
 FOR ADDITIONAL EAST ABUTMENT REINFORCEMENT DETAILS, SEE DWG. NO. ST-13.  
 ALL COVER SHALL BE 75 mm IN THE FOOTING AND 50 mm ELSEWHERE, UNLESS OTHERWISE NOTED.

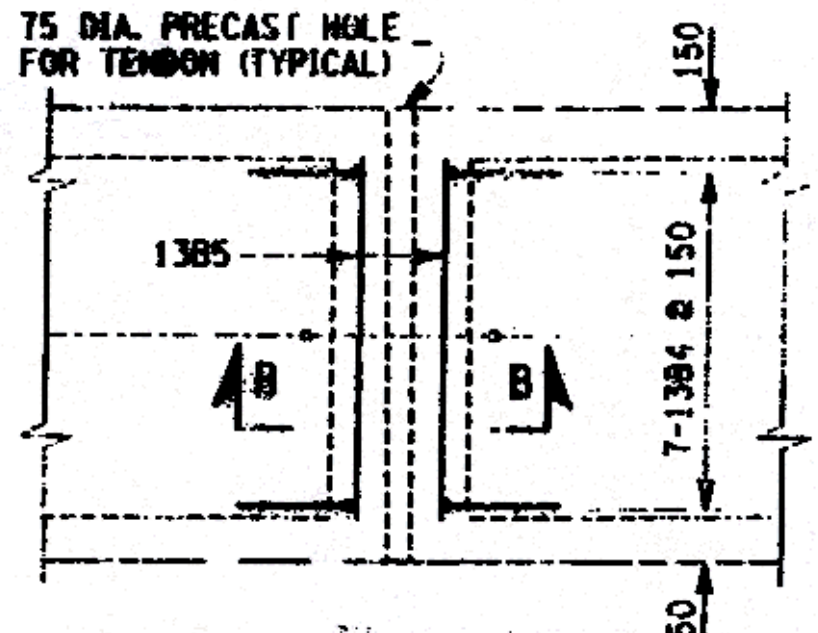
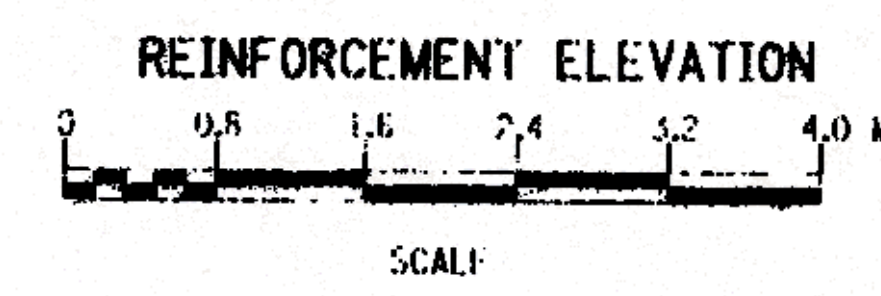
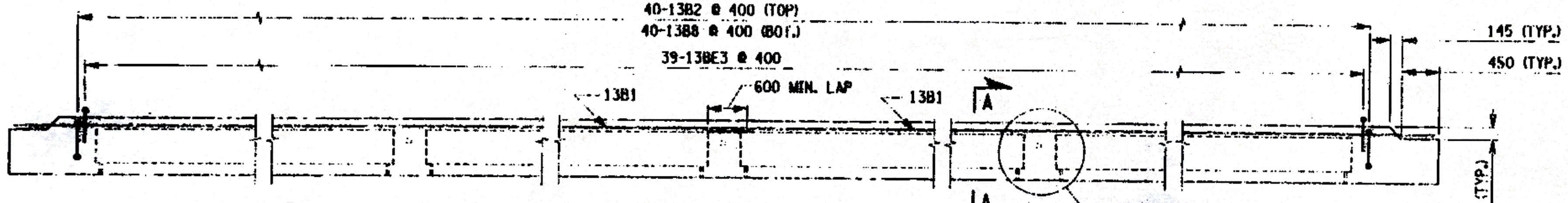
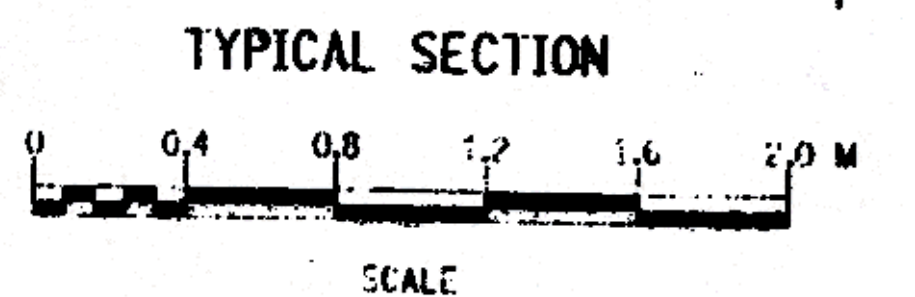
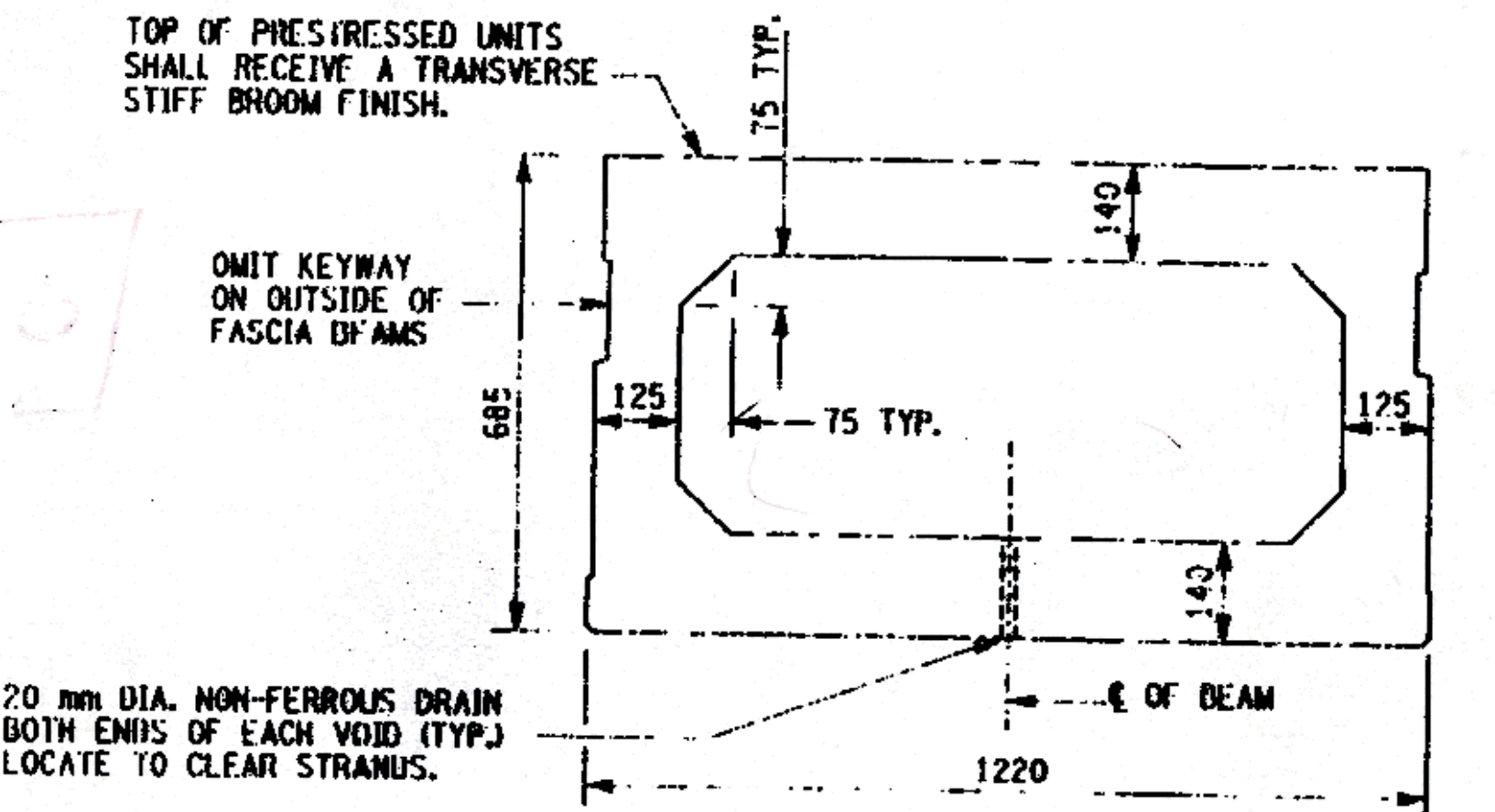
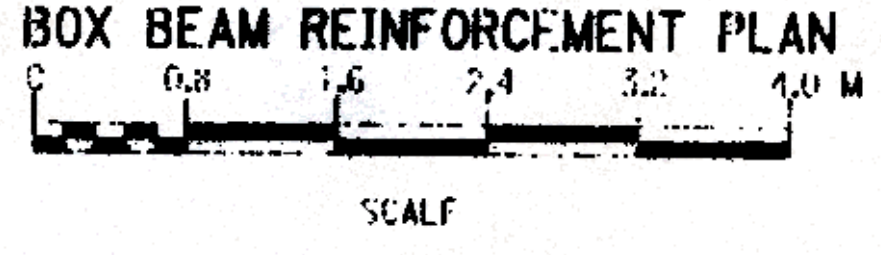
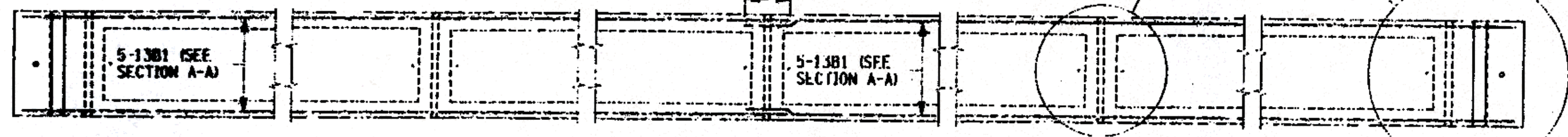
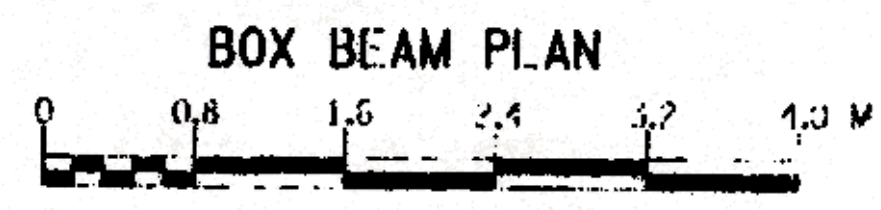
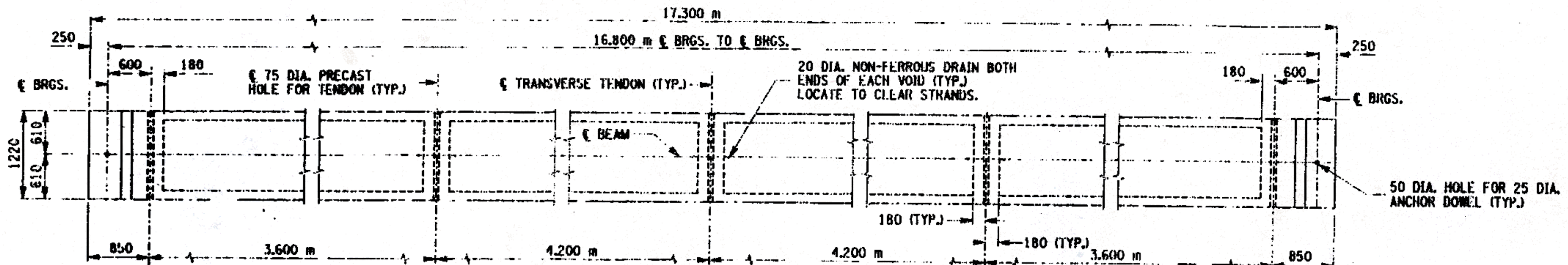
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED AS BUILT REVISIONS				
<i>James E. Stinson</i>		9/2003		
SIGNATURE		DATE		
COUNTY ROAD 18 OVER POULTNEY RIVER				
EAST ABUTMENT PLAN AND U-WALL ELEVATION REINFORCEMENT				
WASHINGTON COUNTY DEPARTMENT OF PUBLIC WORKS				
FILENAME 175376AA.A1F	REGION ONE	DATE 3/2002	DRAWING NO. ST-12	

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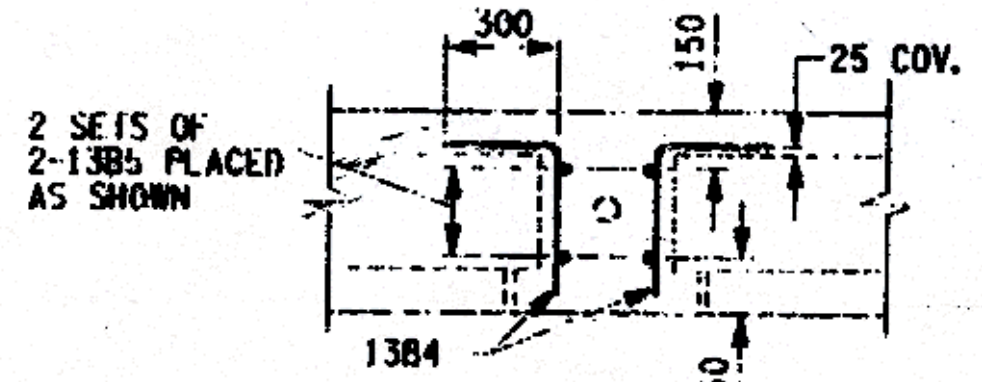
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 JOB MANAGER: JJC  
 DESIGNED BY: EKT  
 CHECKED BY: LAK  
 ESTIMATED BY: EKT  
 DRAFTED BY: EKT



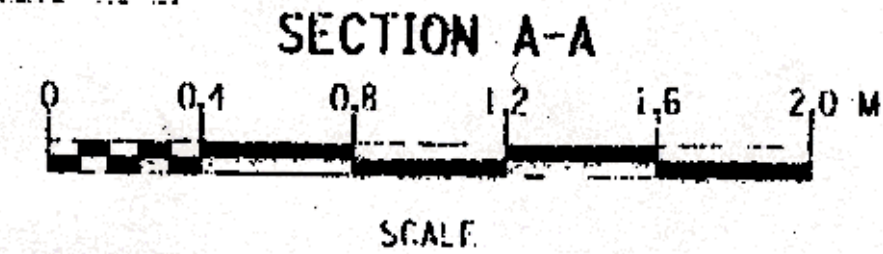
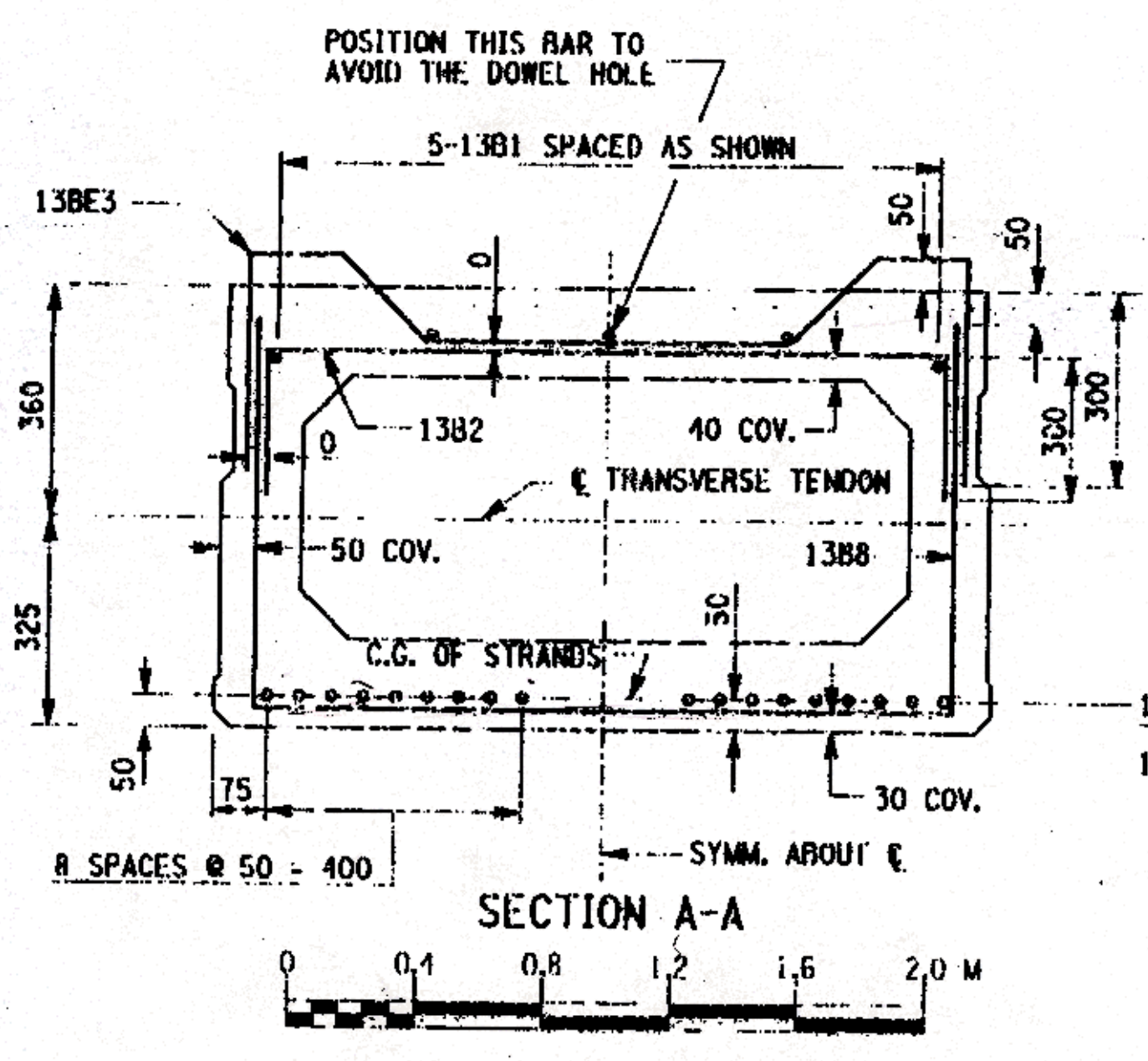
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		32	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



DIAPHRAGM REINFORCEMENT PLAN  
NOT TO SCALE



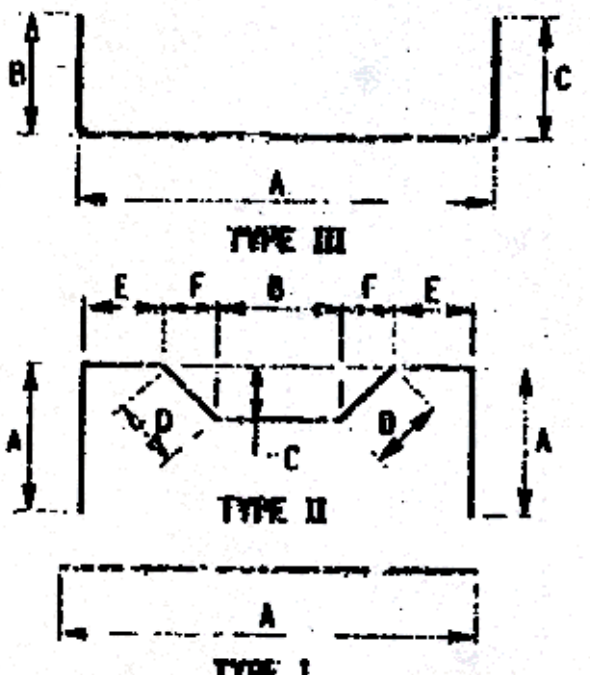
SECTION B-B  
NOT TO SCALE



**AS BUILT: NO REVISIONS 9/2003**

PRESTRESSED CONCRETE BOX BEAM REINFORCEMENT  
(PAID FOR UNDER ITEM 563.02M)

MARK	TOTAL NO.	LENGTH	TYPE	NO. PER BEAM	A	B	C	D	E	F	G
1381	130	8500	I	10	8500						
1382	520	1780	III	52	1100	380	300				
1383	350	1895	II	35	350	535	150	210	120	150	
1384	280	620	IB	56	520	300					
1385	160	1100	I	16	1100						
1386	140	1190	III	14	490	715					
1387	80	3940	III	8	1070	1430	1430				
1388	520	2310	IB	52	1100	605	605				



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

SIGNATURE: *Ramona E. Stinson* DATE: 9/2003

COUNTY ROAD 18 OVER POULTNEY RIVER  
PRESTRESSED CONCRETE BEAM DETAILS  
(SHEET 1 OF 2)

WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

FILENAME: REGION: DATE: DRAWING NO:

FILE NAME: I:\Work\12287\CAD\Drawings\175376e.dwg  
DATE/TIME: 11/04/2003 10:00:40 AM  
USER: RJR  
DESIGN SUPERVISOR: JAC  
JOB MANAGER: JAC  
CHECKED BY: LMK  
DESIGNED BY: EAT  
ESTIMATED BY: EAT  
CHECKED BY: EAT

**AS BUILT: NO REVISIONS 9/2003**

170 ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		33	43
COUNTY ROAD 18 OVER POLUNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POLUNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

CAMBER TABLE	
CAMBER DUE TO PRESTRESSED FORCE AND BEAM D.I. (WITH GROWTH)	20 mm
DEFLECTION DUE TO SLAB DEAD LOAD	5 mm
DEFLECTION DUE TO SUPERIMPOSED D.L.	1 mm
TOTAL CAMBER	15 mm
CAMBER DUE TO PRESTRESSED FORCE AND BEAM D.I. (WITHOUT GROWTH @ TRANSFER)	14 mm

DESIGN LOAD TABLE			
UNIT	LOAD	REACT. @ ABUTMENT END	MAX. MOM. MIDSPAN END
BEAM	11.29	94.75	398.20
SLAB	4.35	36.54	153.47
SIDEWALK			
RAILINGS	0.25	2.10	8.82
FUTURE W.S.	1.12	9.41	39.51
MS-23		141.82	406.65

\* BEAMS INCLUDE AN EQUIVALENT UNIFORM D.I. FOR INTERNAL DIAPHRAGMS

**NOTES:**

THE PRESTRESSING STRANDS SHALL BE 13 mm DIAMETER WITH A GUARANTEED ULTIMATE STRENGTH OF 1860 MPa.  
 JACKING FORCE = 138.1 kN PER STRAND  
 REQUIRED MINIMUM CONCRETE STRENGTH AT TRANSFER = 35 MPa.  
 REQUIRED MINIMUM CONCRETE STRENGTH AFTER 28 DAYS = 50 MPa.  
 THE ALLOWABLE TENSION IN THE PRESTRESSED CONCRETE UNITS:  
 AT TRANSFER = 0.62 f'c MPa.  
 AT 28 DAY STRENGTH = 0.51 f'c MPa.

ALL TEMPORARY INSERTS SHALL BE APPROVED BY THE DEPUTY CHIEF ENGINEER (STRUCTURES) AND DETAILED ON THE PRESTRESSED CONCRETE "WORKING DRAWINGS".

ALL EXPOSED CORNERS, EXCEPT THE TOP, SHALL BE CHAMFERED 20 mm.

BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

THE TRANSVERSE TENDONS SHALL BE 13 mm DIAMETER STRAND WITH A GUARANTEED ULTIMATE STRENGTH OF 1860 MPa. THE TRANSVERSE TENDONS SHALL BE POLYSTRAND, GALVANIZED STRAND OR EQUAL AND SHALL BE TENSIONED TO A FORCE OF 135 kN.

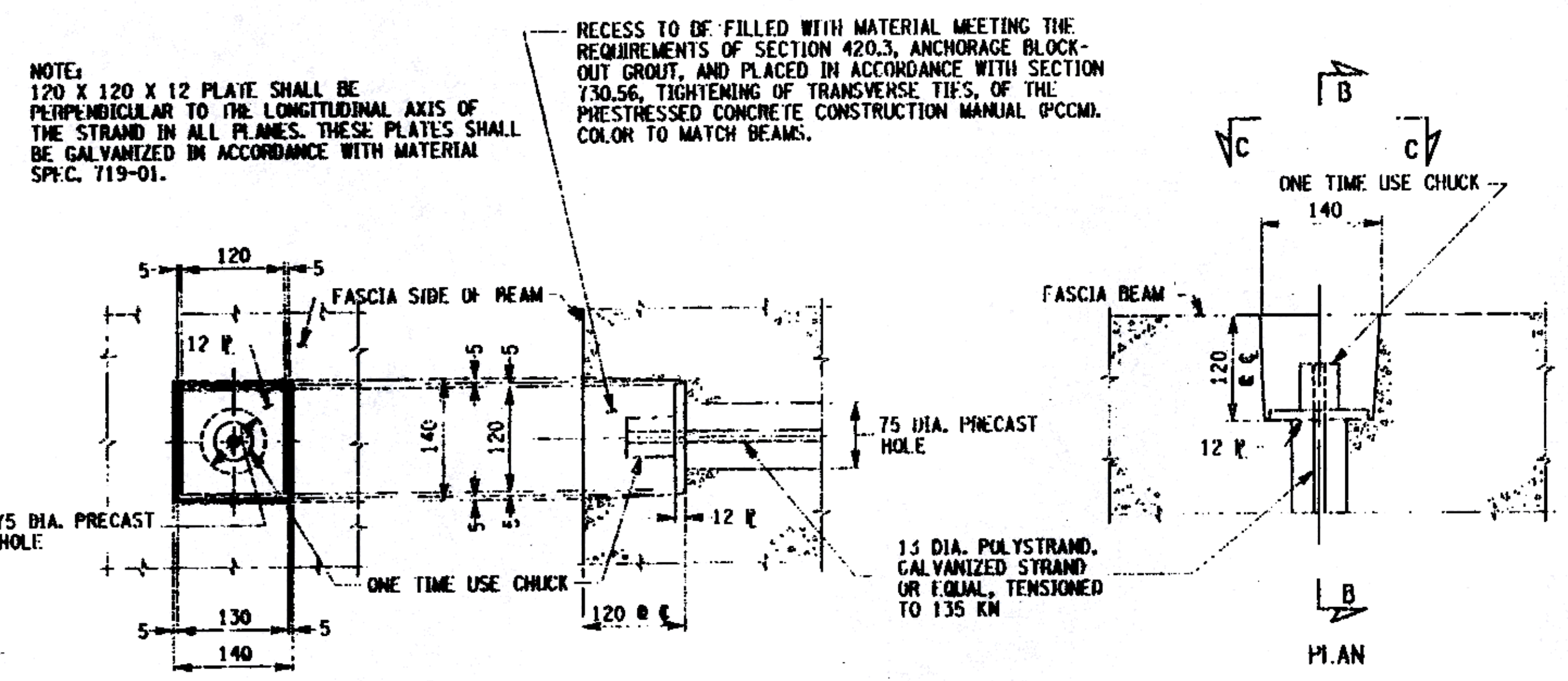
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
 AS BUILT REVISIONS

Signature: *Samuel E. ...* DATE: 9/2003

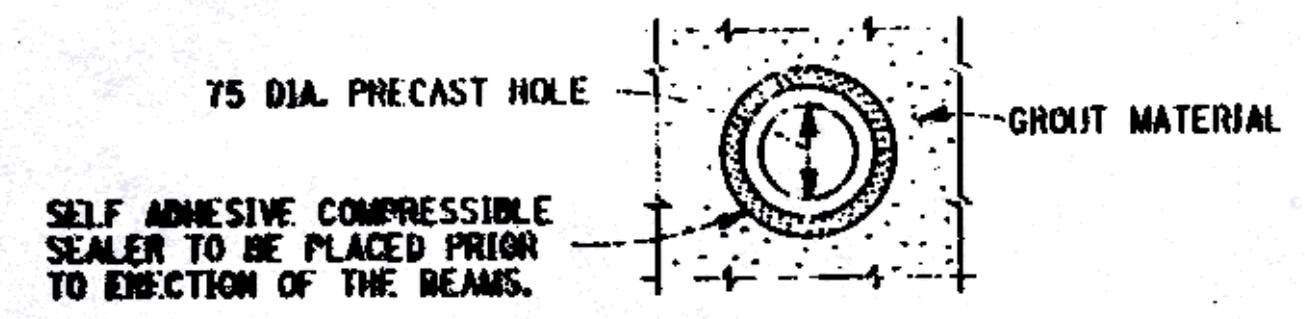
COUNTY ROAD 18 OVER POLUNEY RIVER  
**PRESTRESSED CONCRETE BEAM DETAILS**  
 (SHEET 2 OF 2)

WASHINGTON COUNTY  
 DEPARTMENT OF PUBLIC WORKS

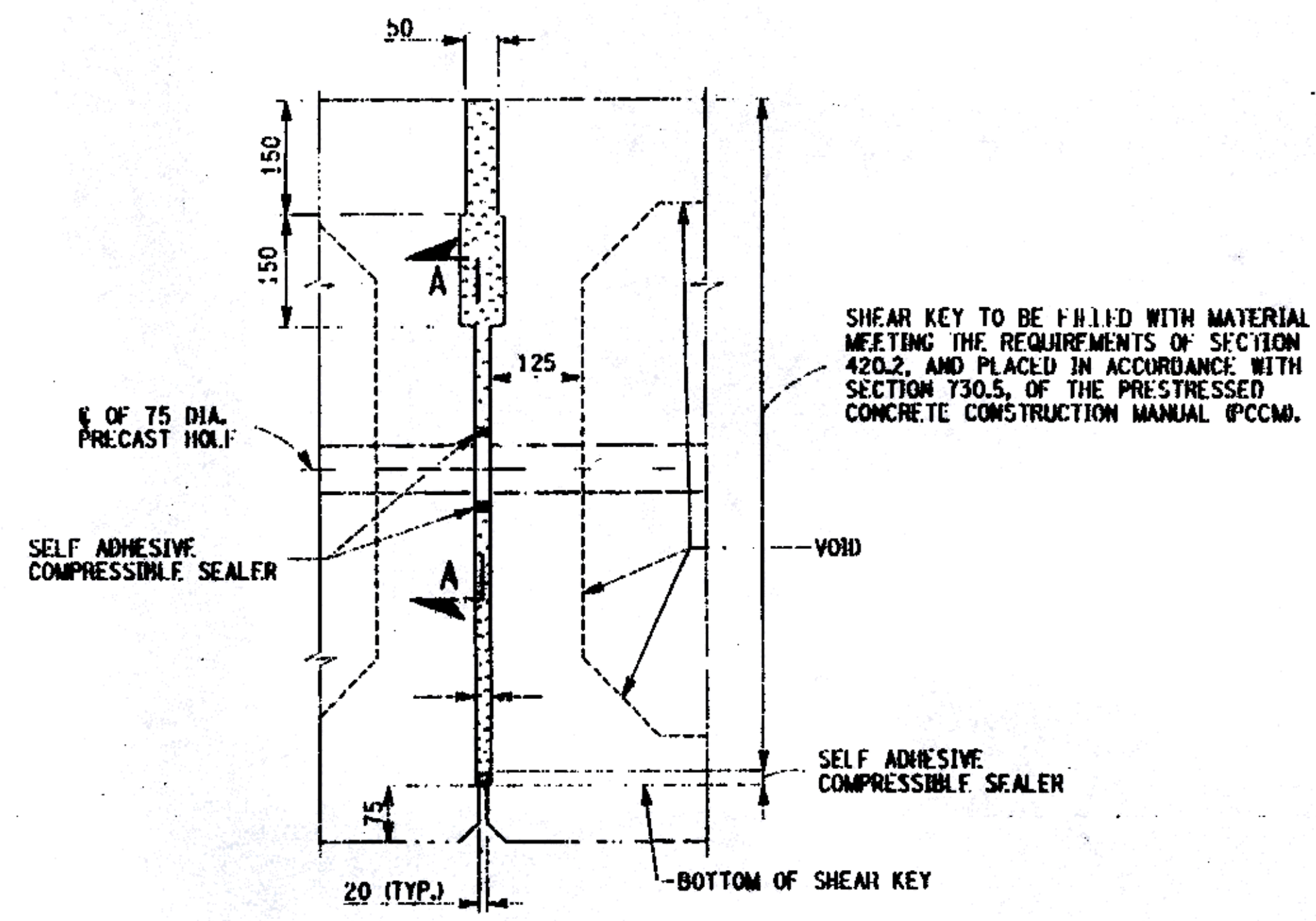
FILENAME	REGION	DATE	DRAWING NO.
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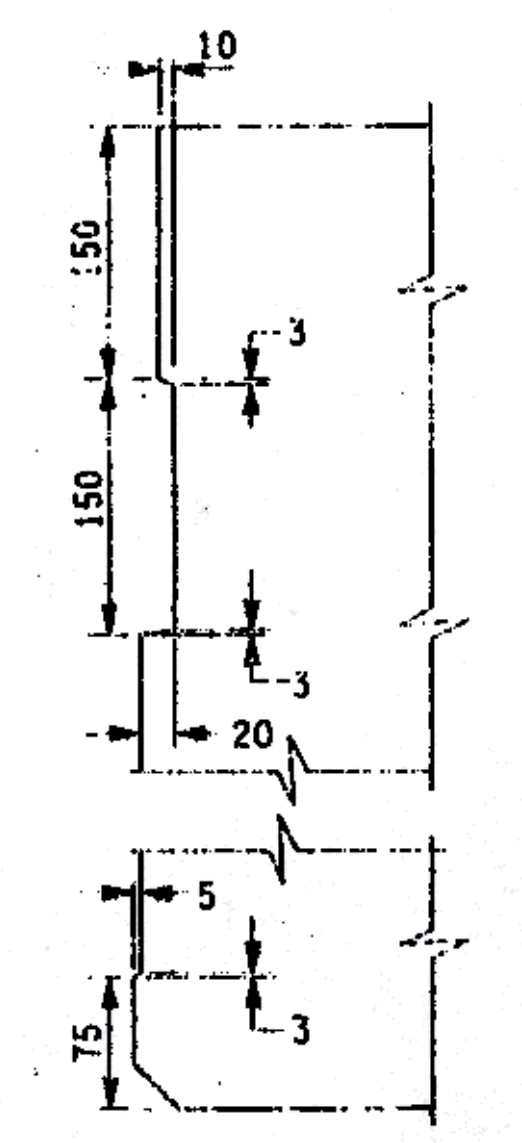
**TRANSVERSE TENDON RECESS DETAILS**  
 NOT TO SCALE



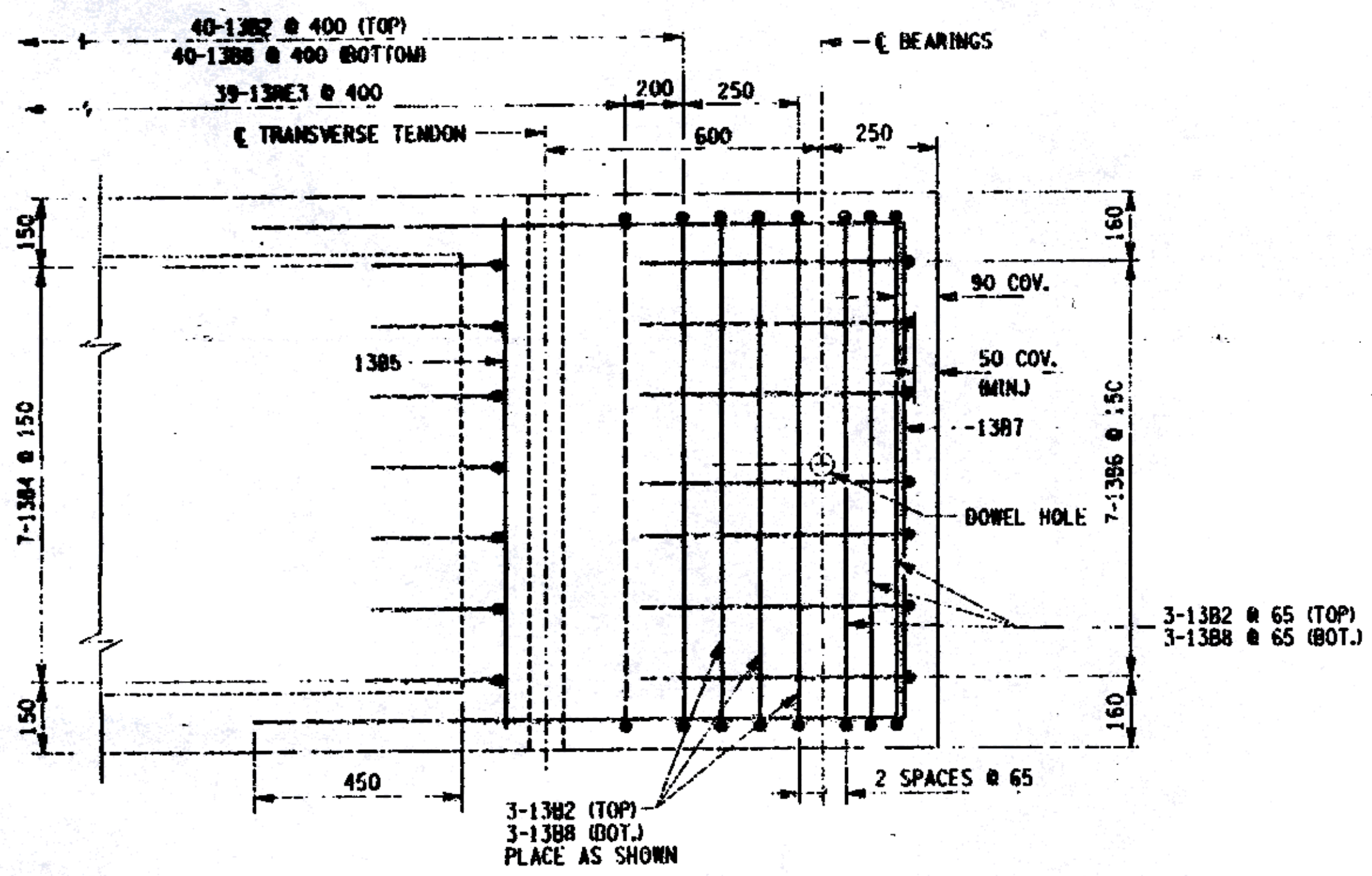
CONTRACTOR SHALL EXERCISE CARE THAT GROUT USED TO FILL THE SHEAR KEY SHALL NOT ENTER THE PRECAST HOLE IN CONTACT WITH THE TRANSVERSE TENDON AT ANY LOCATION (ESPECIALLY AT THE SLOPE BREAK IN THE CROSS SECTION).



**BOX BEAM SHEAR KEY DETAIL**  
 NOT TO SCALE



**BOX BEAM SHEAR KEY RECESS DETAIL**  
 NOT TO SCALE

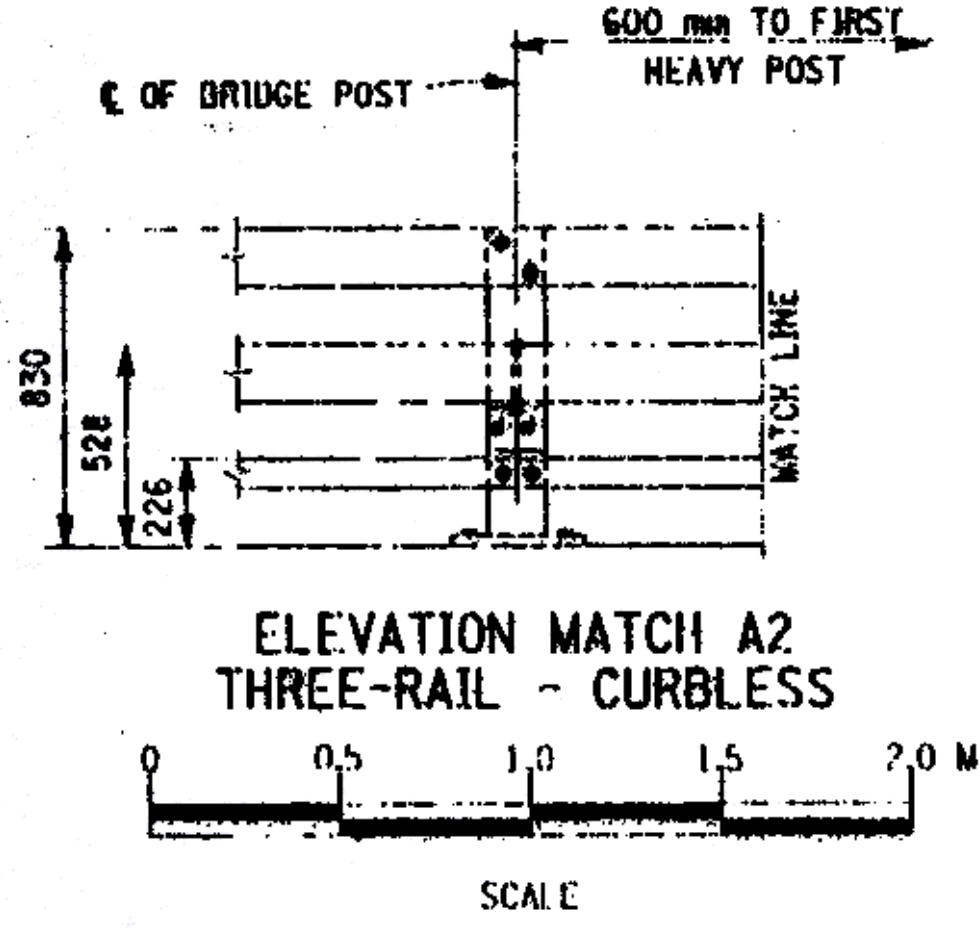
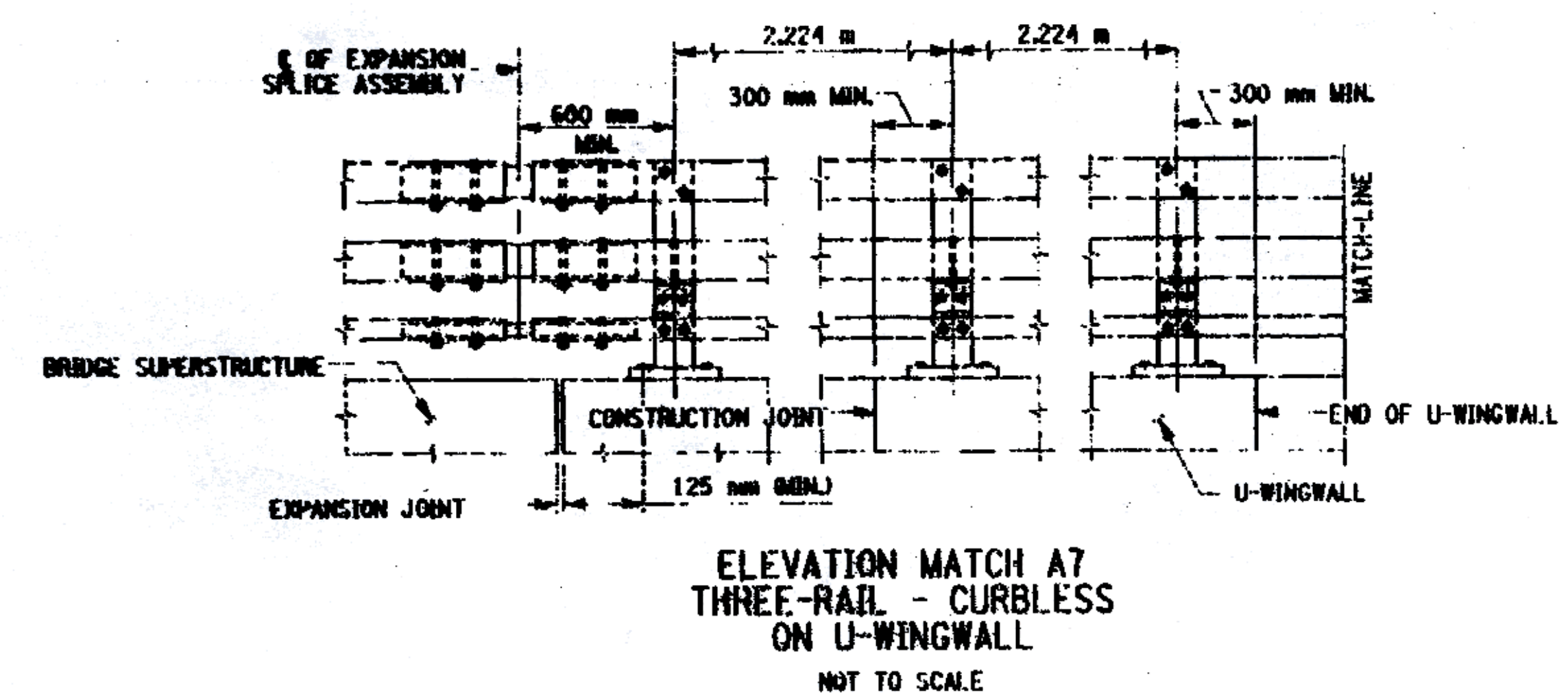
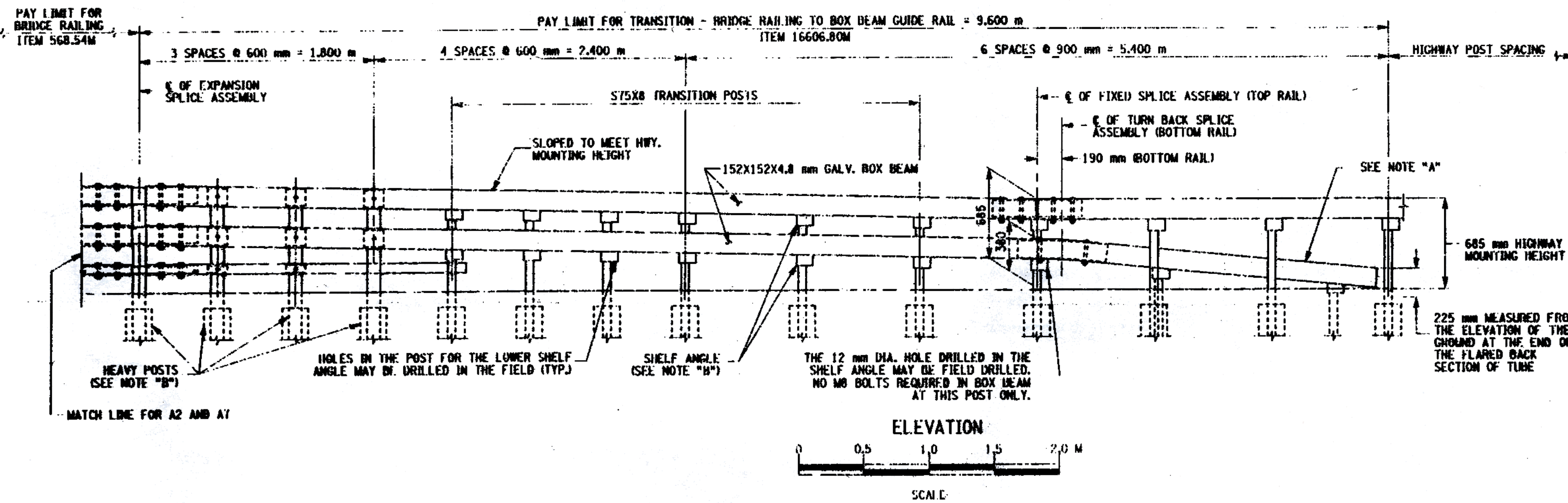
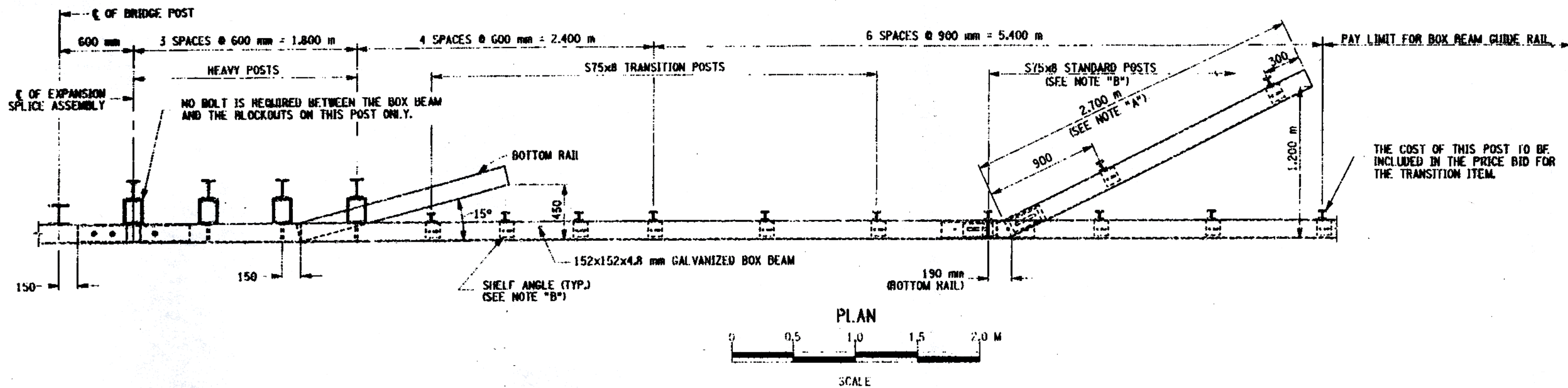


**DETAIL A**  
 NOT TO SCALE

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 USER = JLN

DESIGNED BY: JLN  
 CHECKED BY: JLN  
 ESTIMATED BY: JLN  
 CRAFTED BY: JLN  
 JOB MANAGER: JLN  
 DESIGN SUPERVISOR: JLN

FED ROAD RLC NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		37	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



NOTE "A": THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE LOWER TUBE FLARE SECTION IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.

NOTE "B": FOR ADDITIONAL DETAILS SEE DRAWING NO. ST-22.

NOTES:

ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH N.Y.S. STANDARD SPECIFICATIONS, SUBSECTION 719-01. ALL AREAS WHERE THE ZINC COATING IS DAMAGED DURING INSTALLATION INCLUDING FIELD DRILLING HOLES, SHALL BE REPAIRED ACCORDING TO SUBSECTION 719-01.

ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.

PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 2 mm.

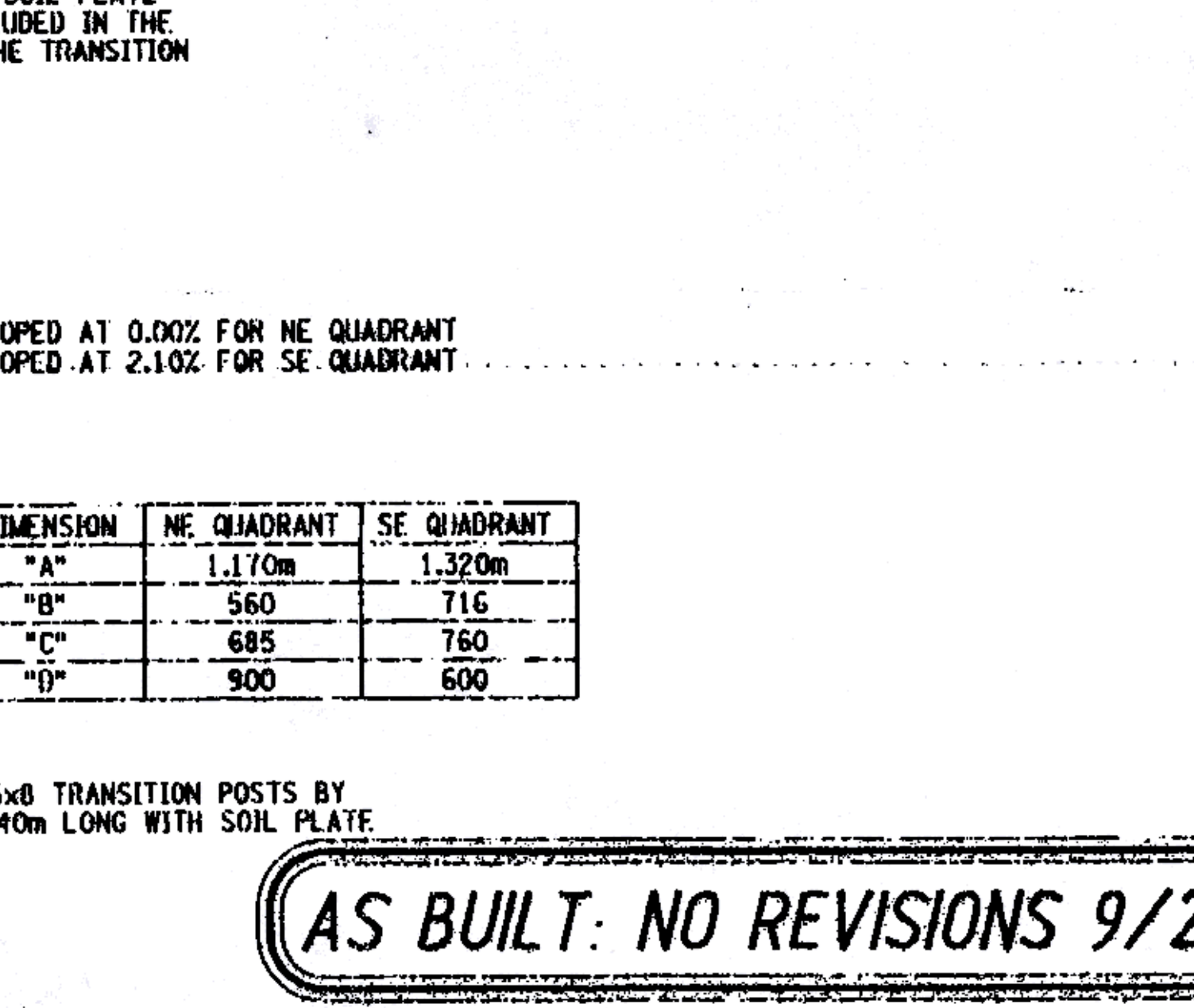
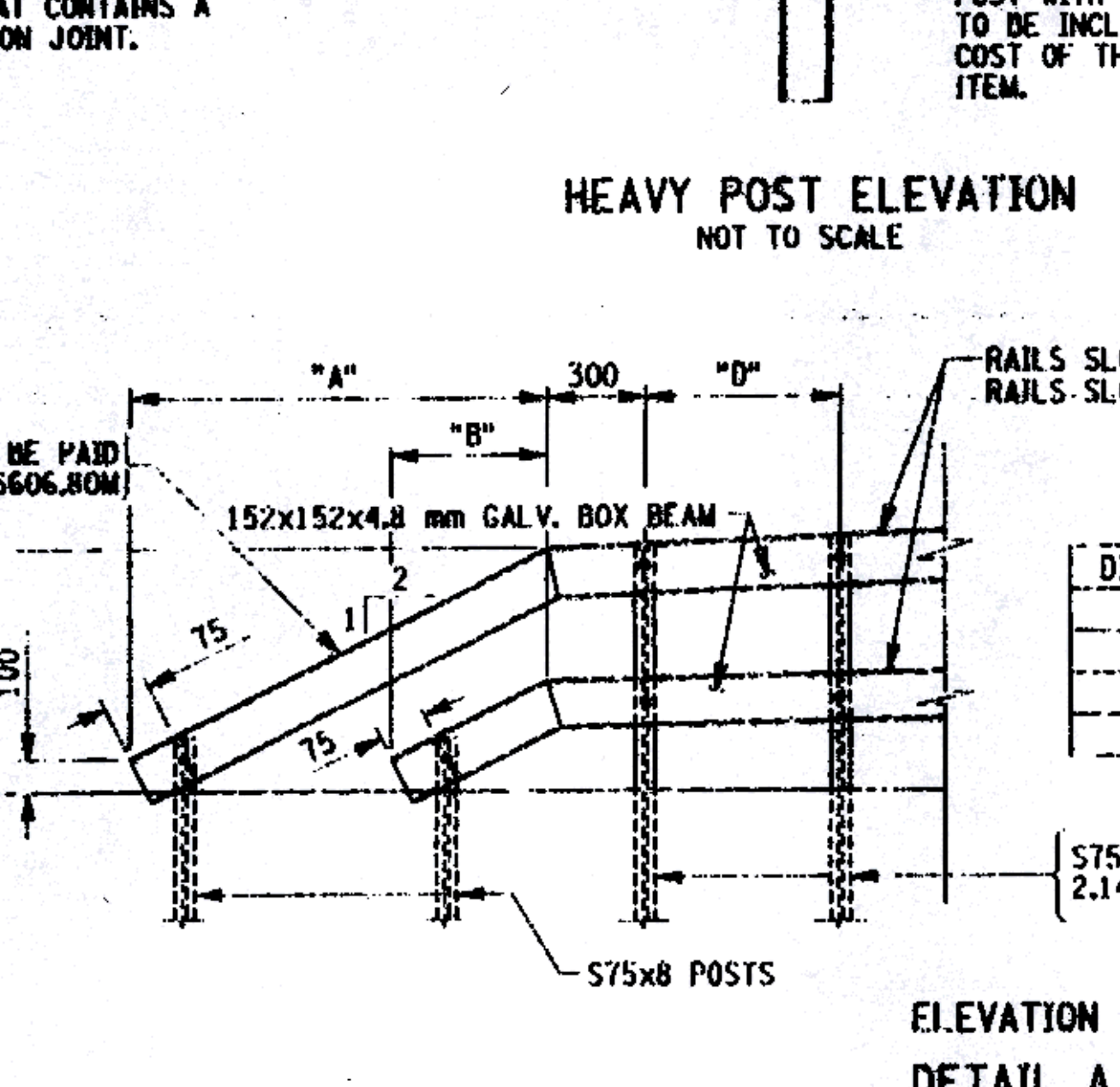
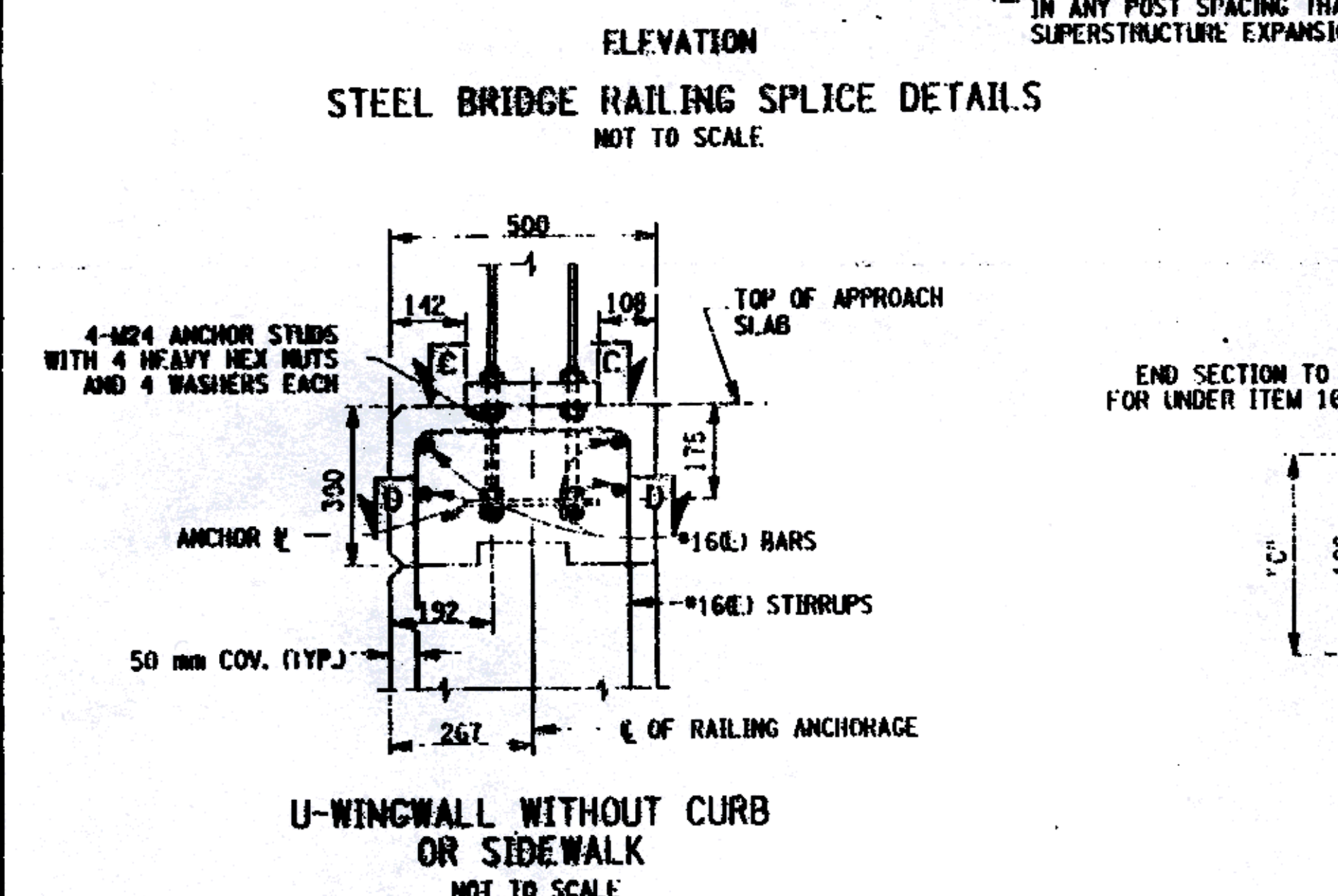
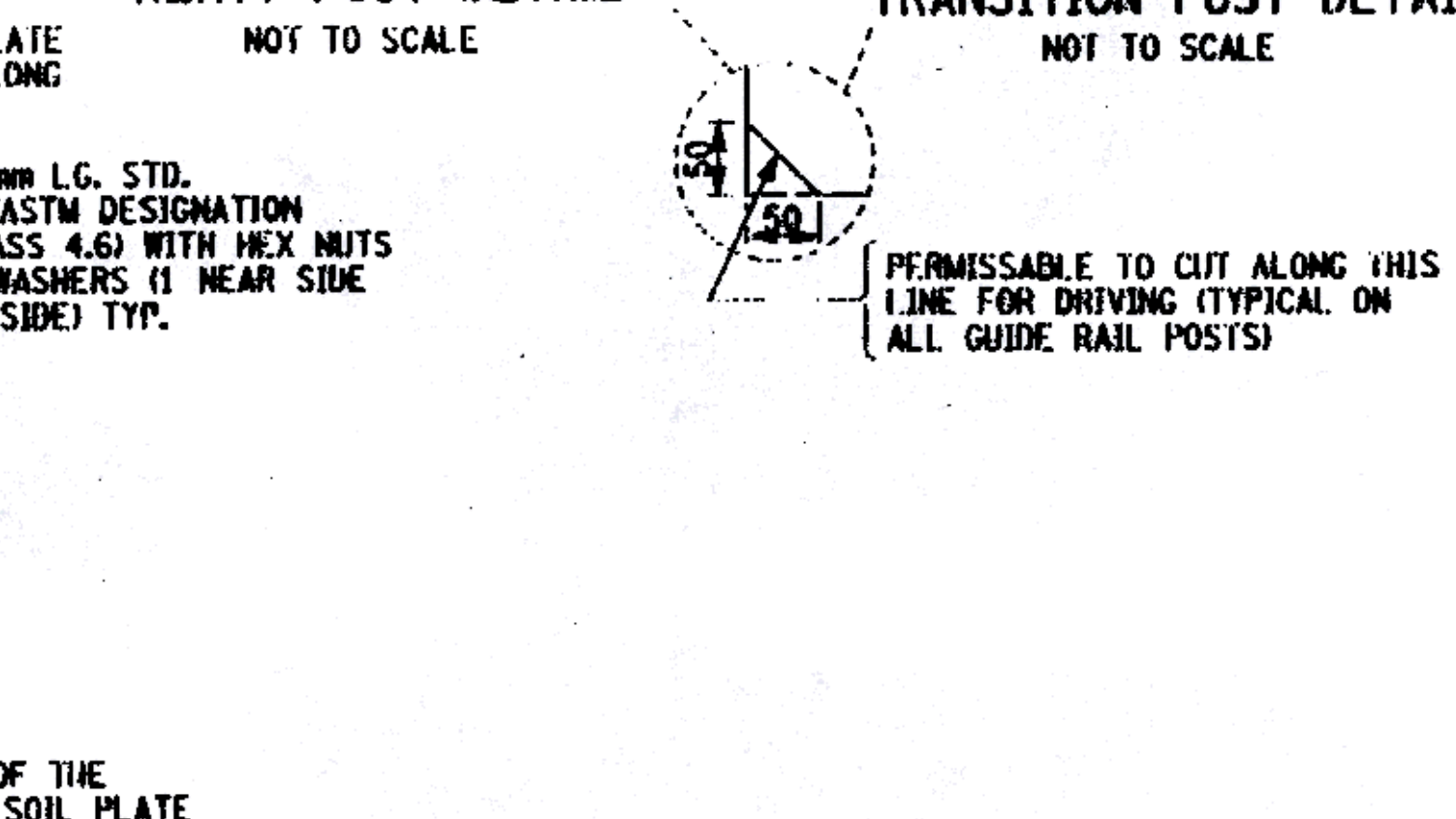
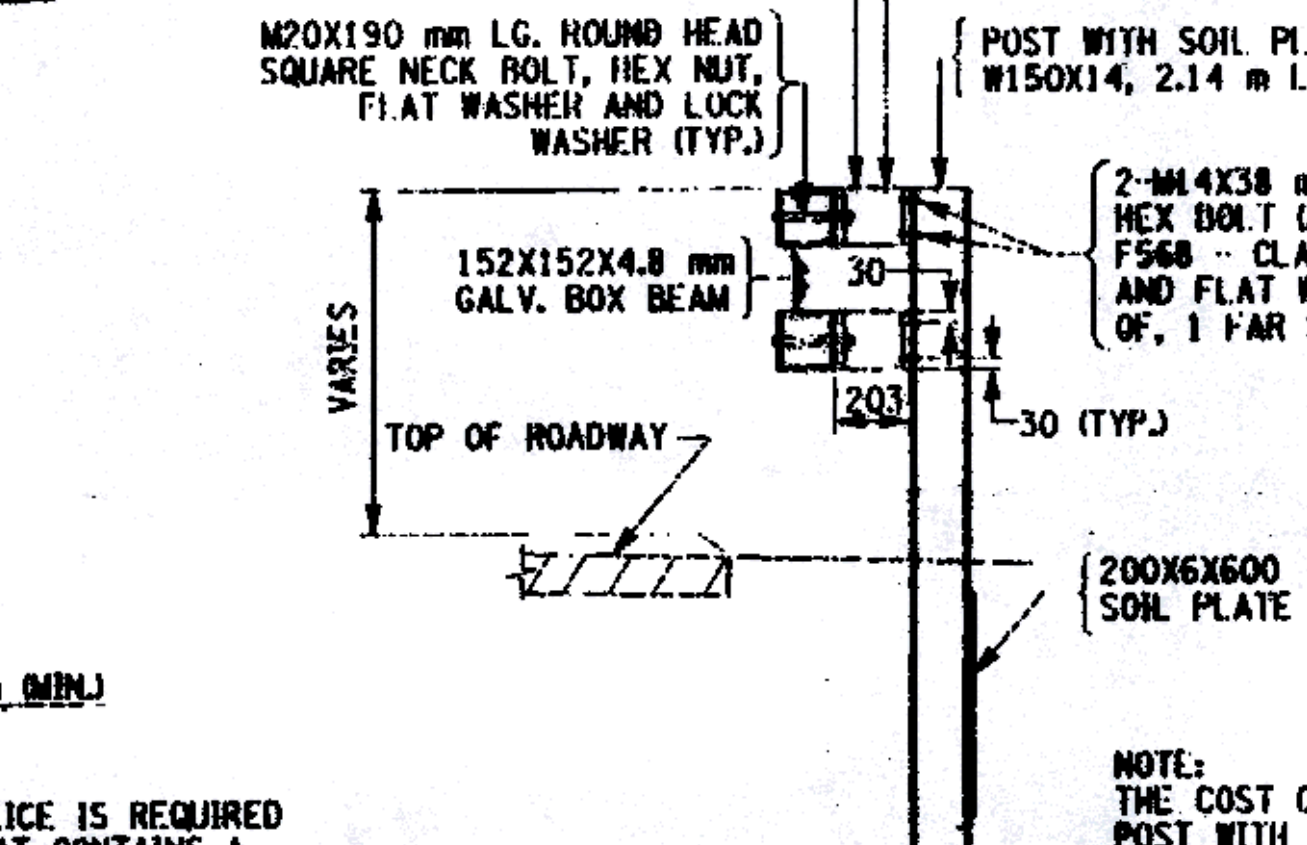
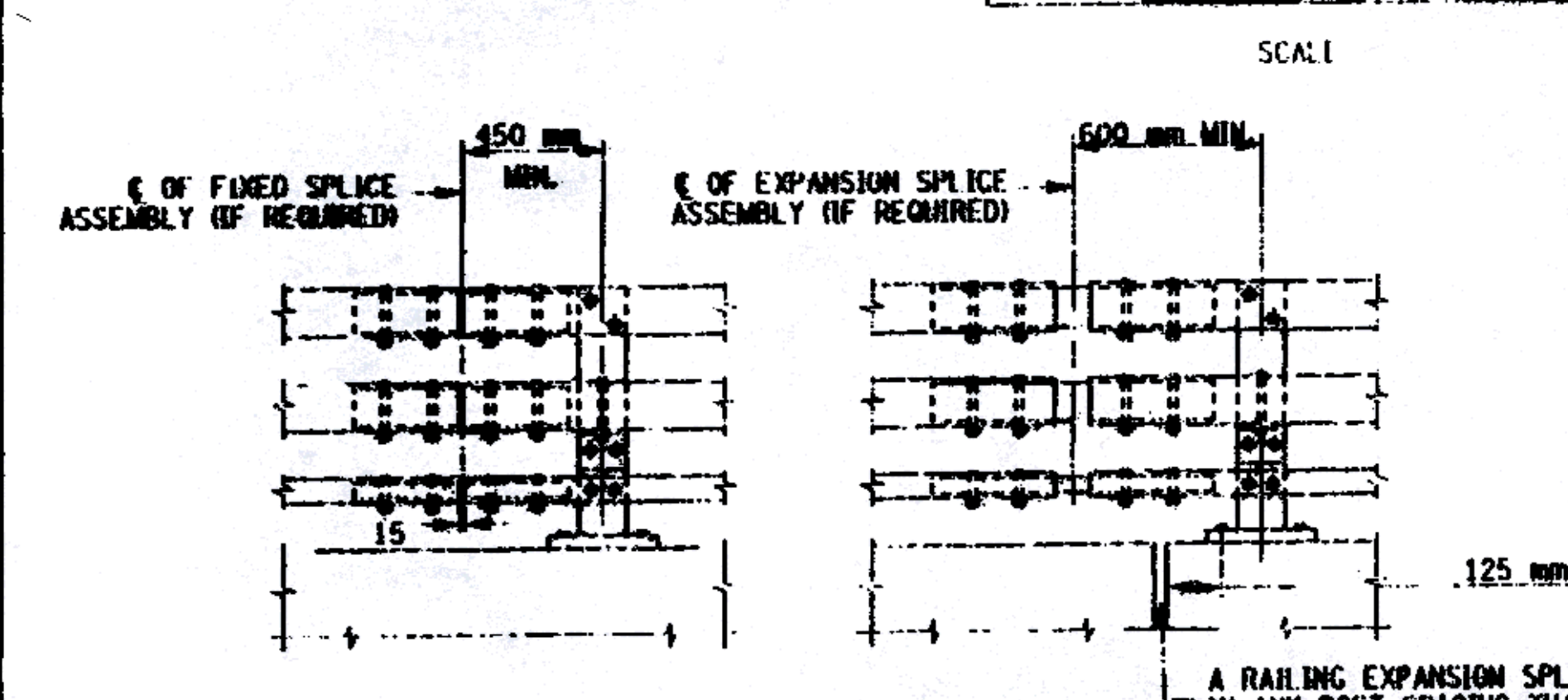
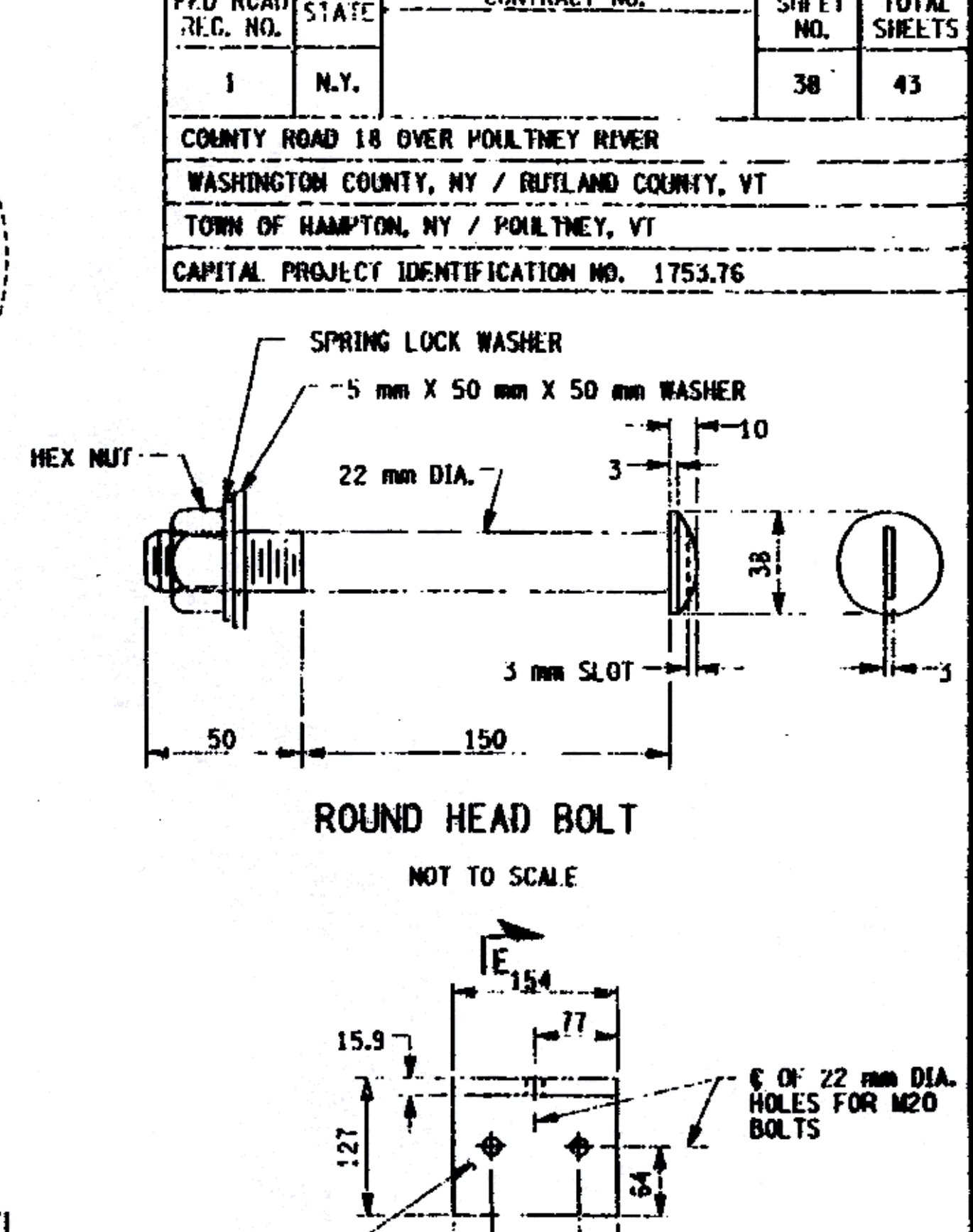
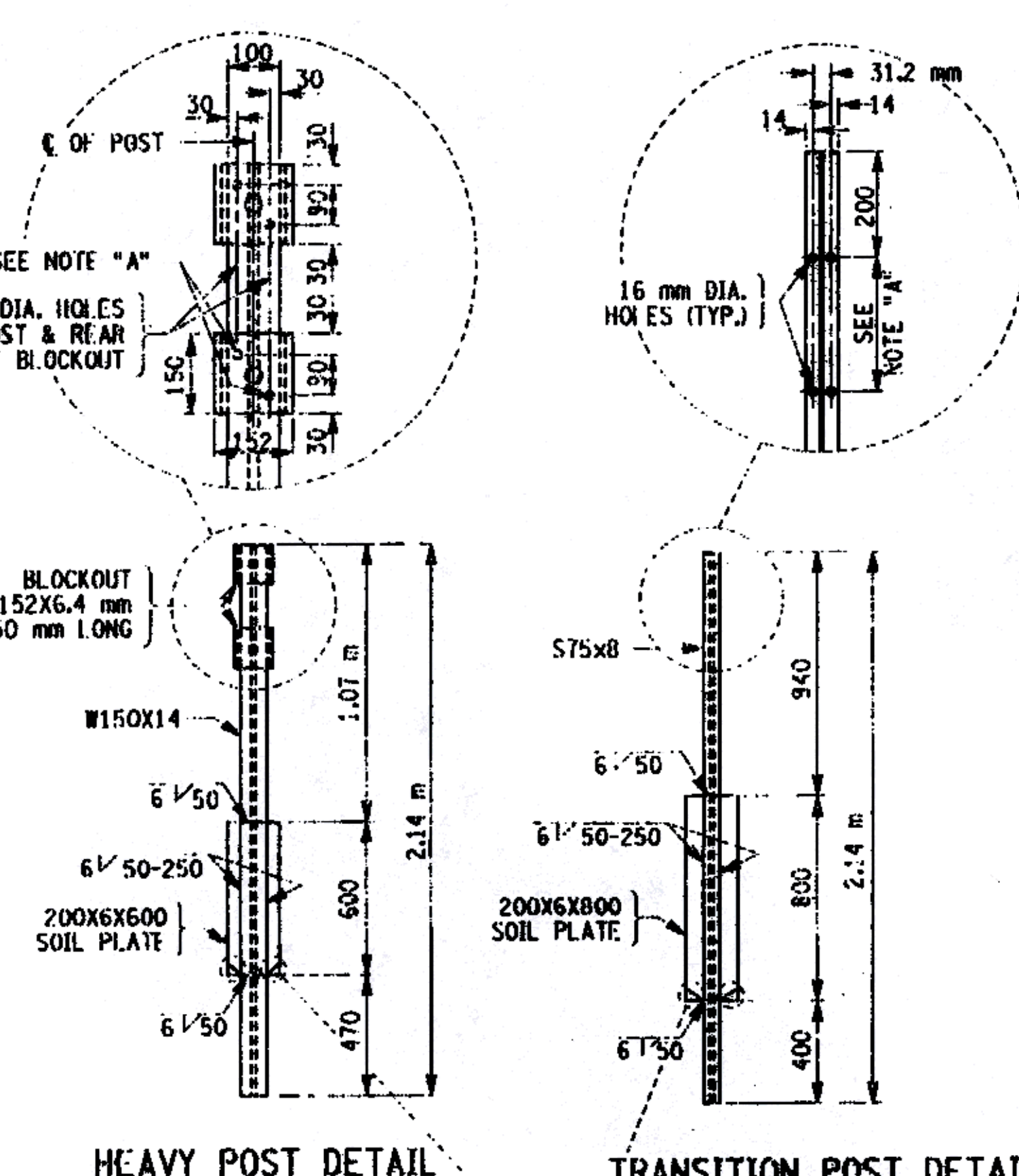
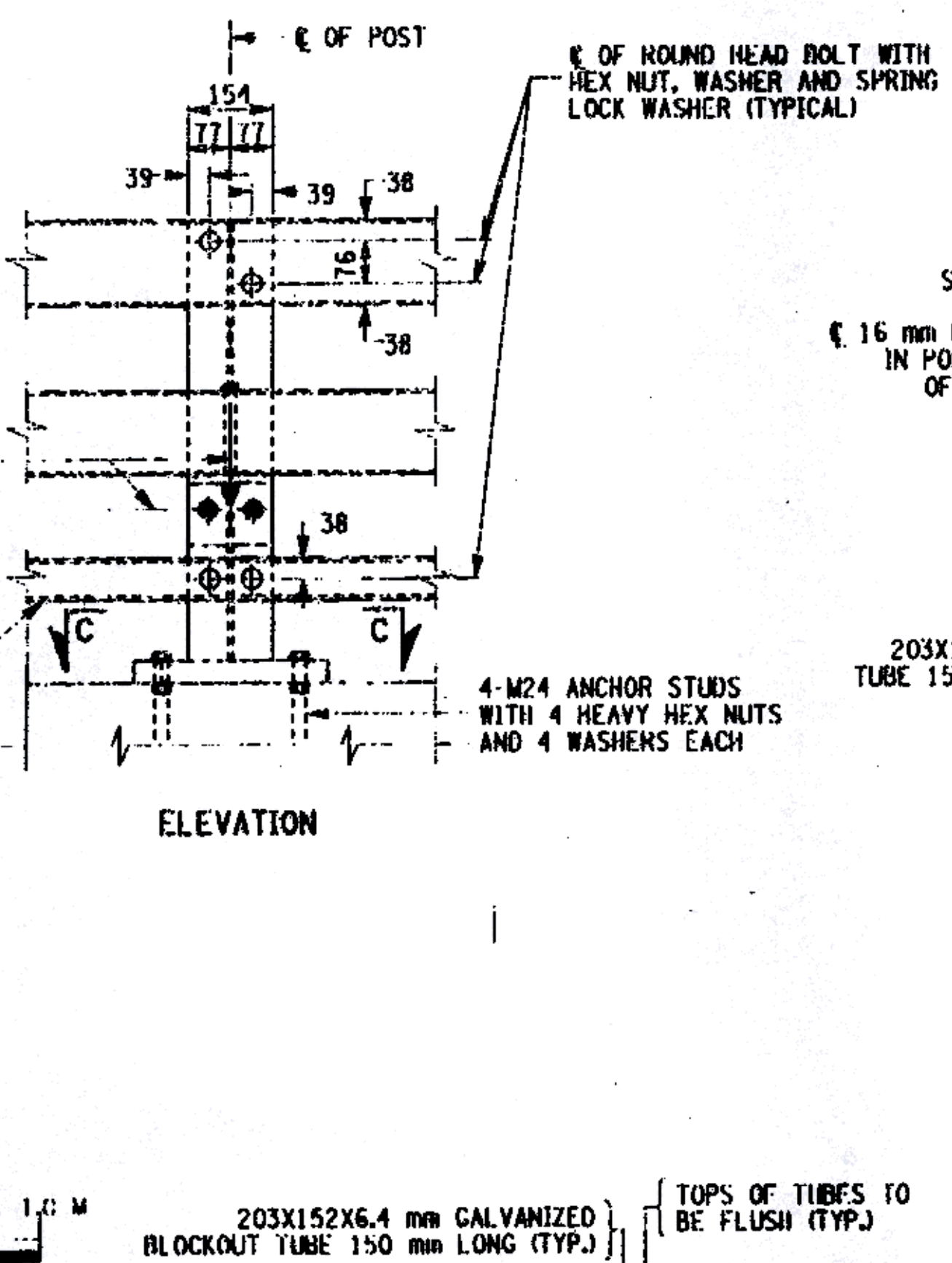
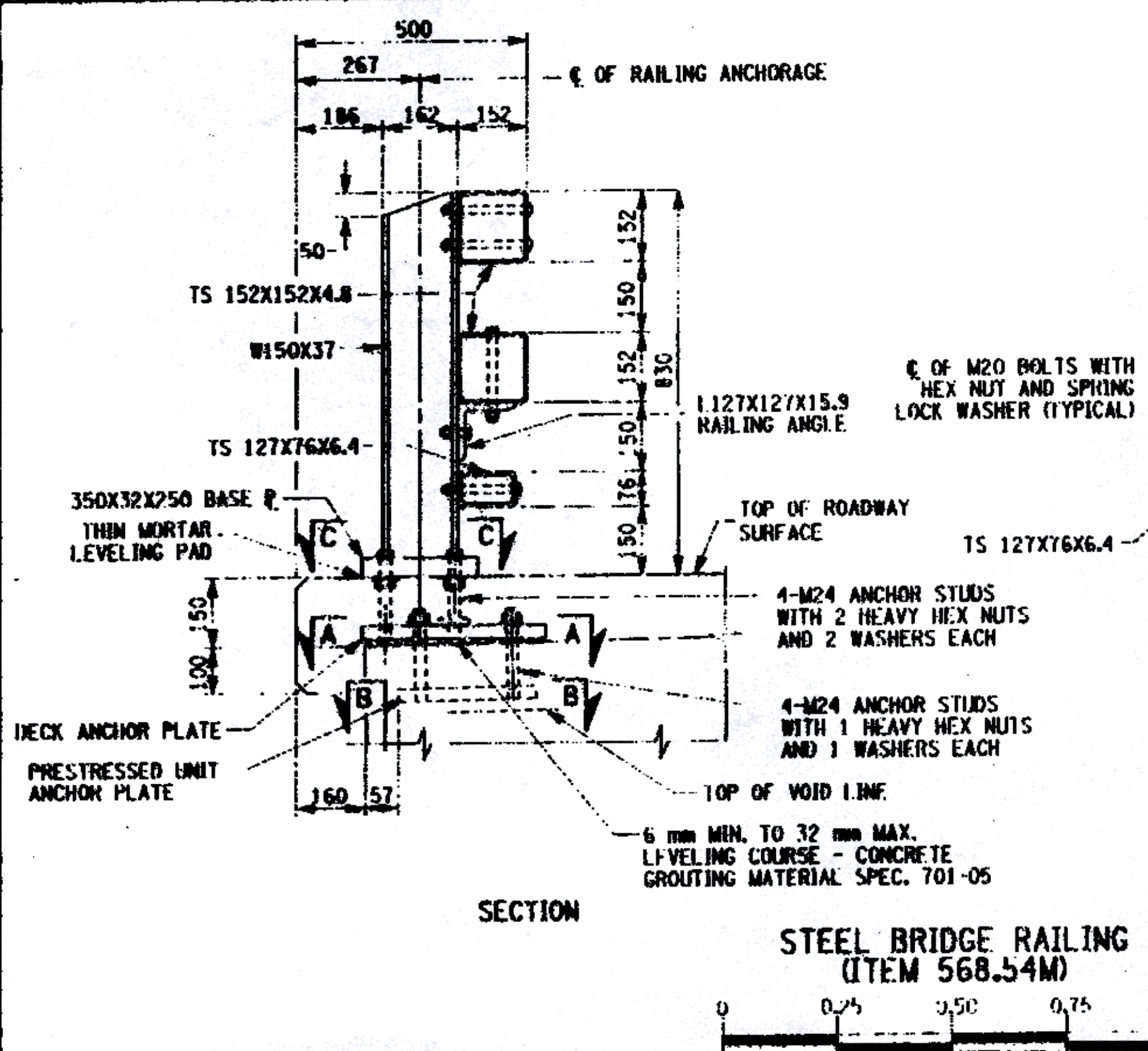
BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 135 N-m).

**AS BUILT: NO REVISIONS 9/2003**

A.I. DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED			
AS BUILT REVISIONS			
<i>James E. Sullivan</i>		9/2003	
SIGNATURE		DATE	
COUNTY ROAD 18 OVER POULTNEY RIVER			
BRIDGE RAIL (SHEET 1 OF 4)			
WASHINGTON COUNTY DEPARTMENT OF PUBLIC WORKS			
FILE NAME	REGION	DATE	DRAWING NO.
175376AA.R1A	ONE	3/2002	ST-21

FILE NAME = I:\PROJECTS\175376\175376AA.R1A  
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 USER = RAN  
 DESIGN SUPERVISOR JAC  
 JOB MANAGER JAC  
 CHECKED BY LMK  
 ESTIMATED BY BKT  
 CHECKED BY BKT  
 DRAFTED BY BKT

FED ROAD DIST. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		38	43
COUNTY ROAD 18 OVER POULTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POULTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				



DIMENSION	NE QUADRANT	SE QUADRANT
"A"	1.170m	1.320m
"B"	560	716
"C"	685	760
"D"	900	600

**AS BUILT: NO REVISIONS 9/2003**

NOTE "A"  
HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

NOTES:  
ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.  
PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 2 mm.  
BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 135 N-m).

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

*Signature* 9/2003  
SIGNATURE DATE

COUNTY ROAD 18 OVER POULTNEY RIVER  
BRIDGE RAIL  
(SHEET 2 OF 4)  
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

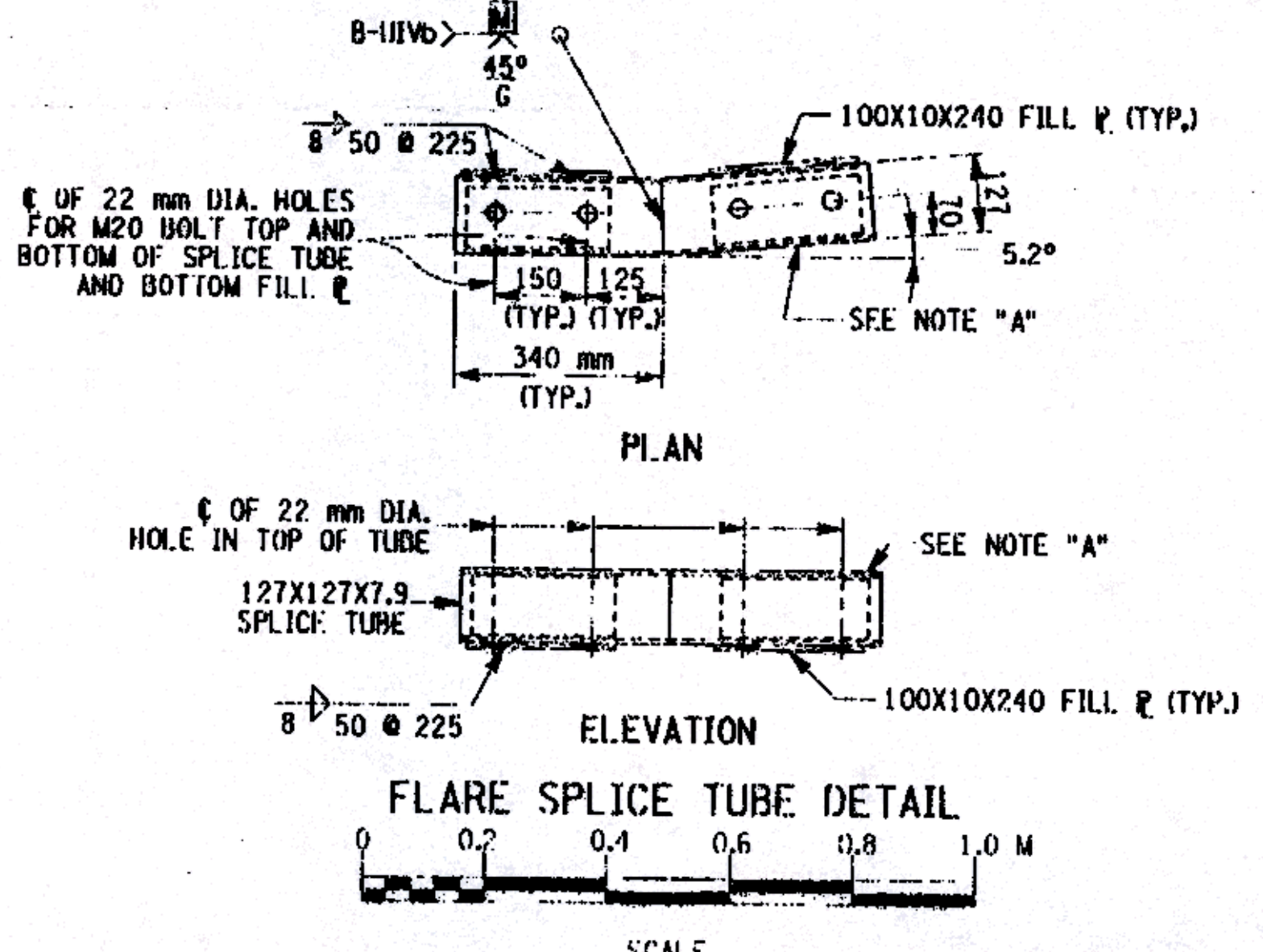
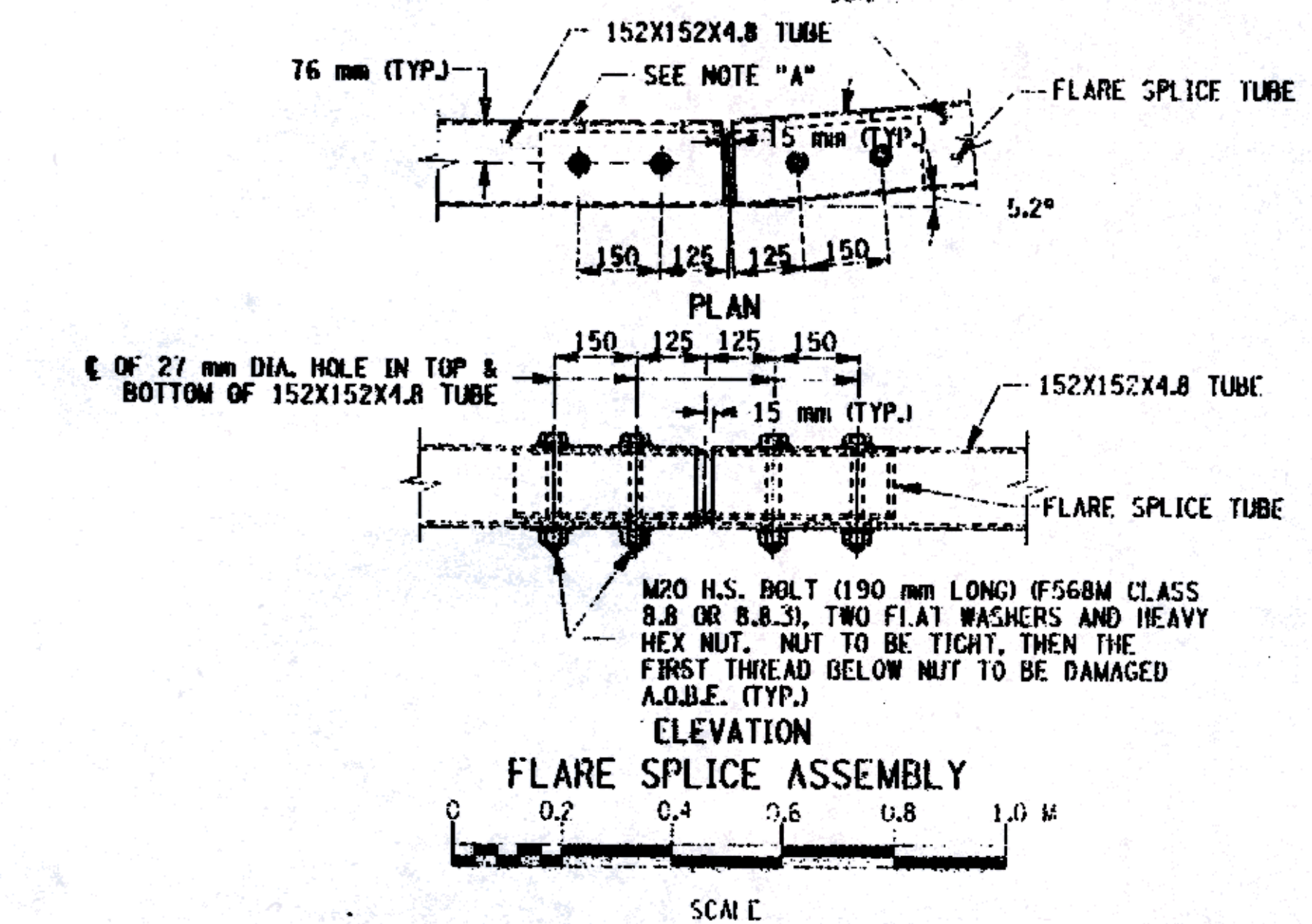
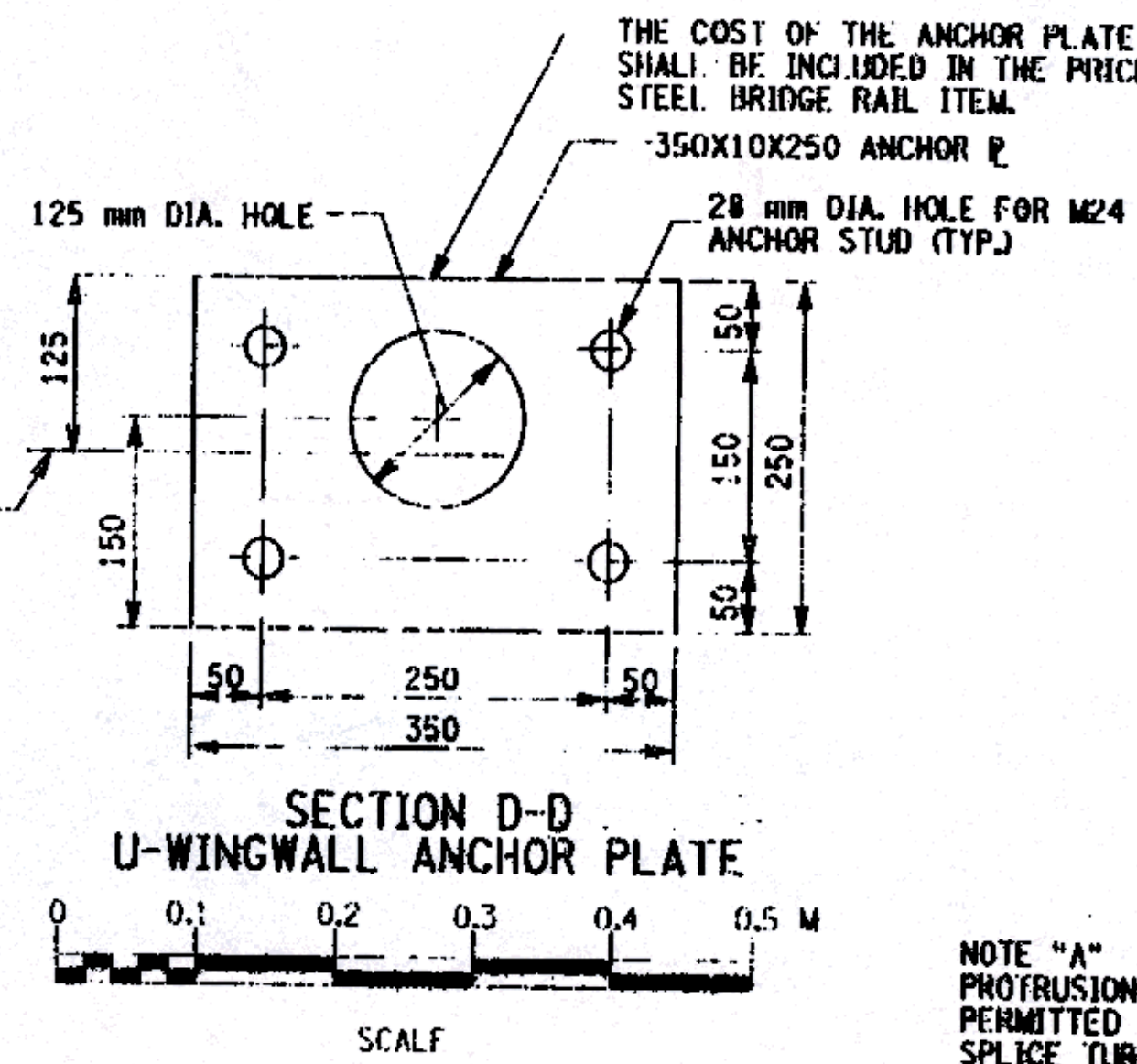
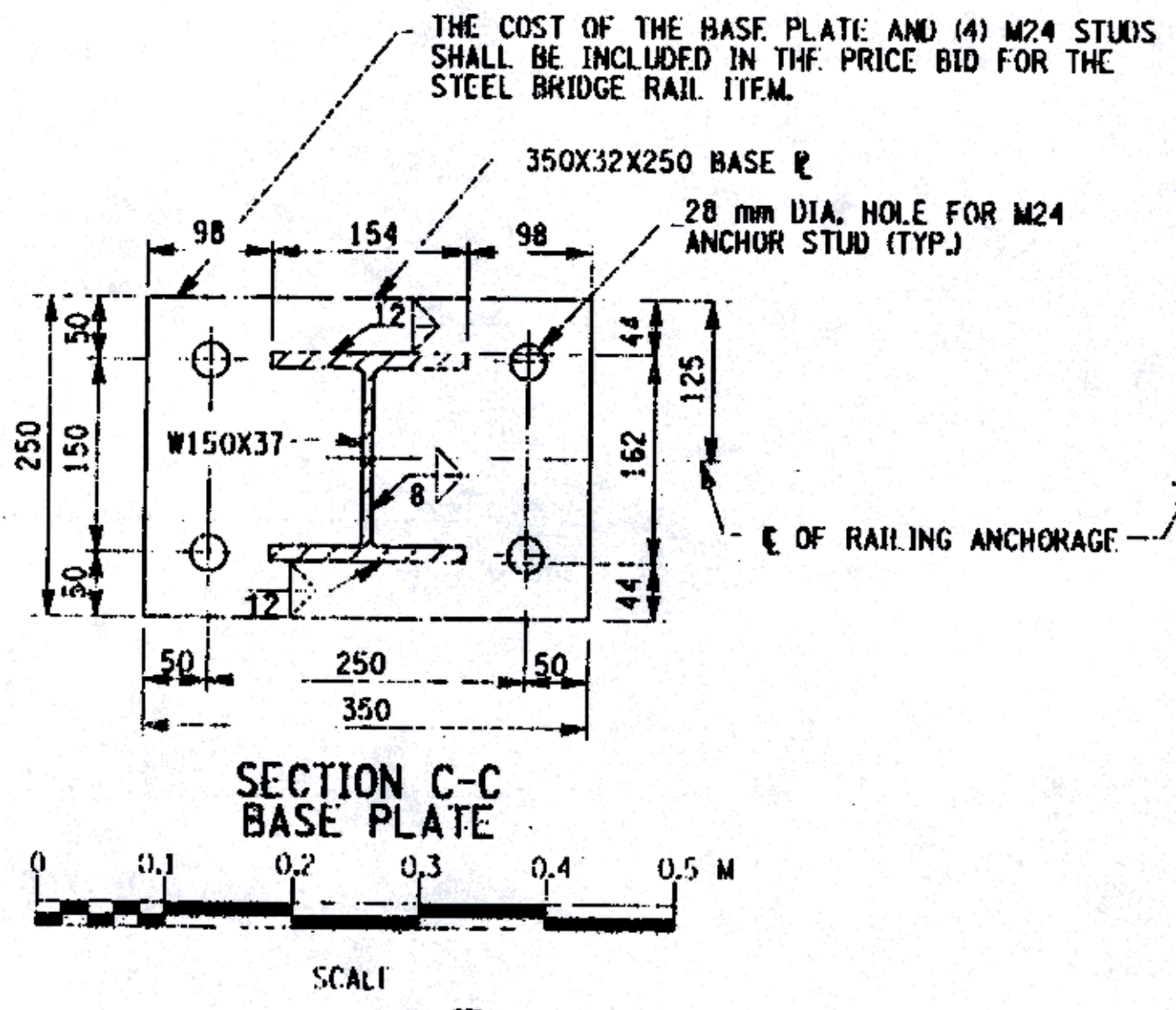
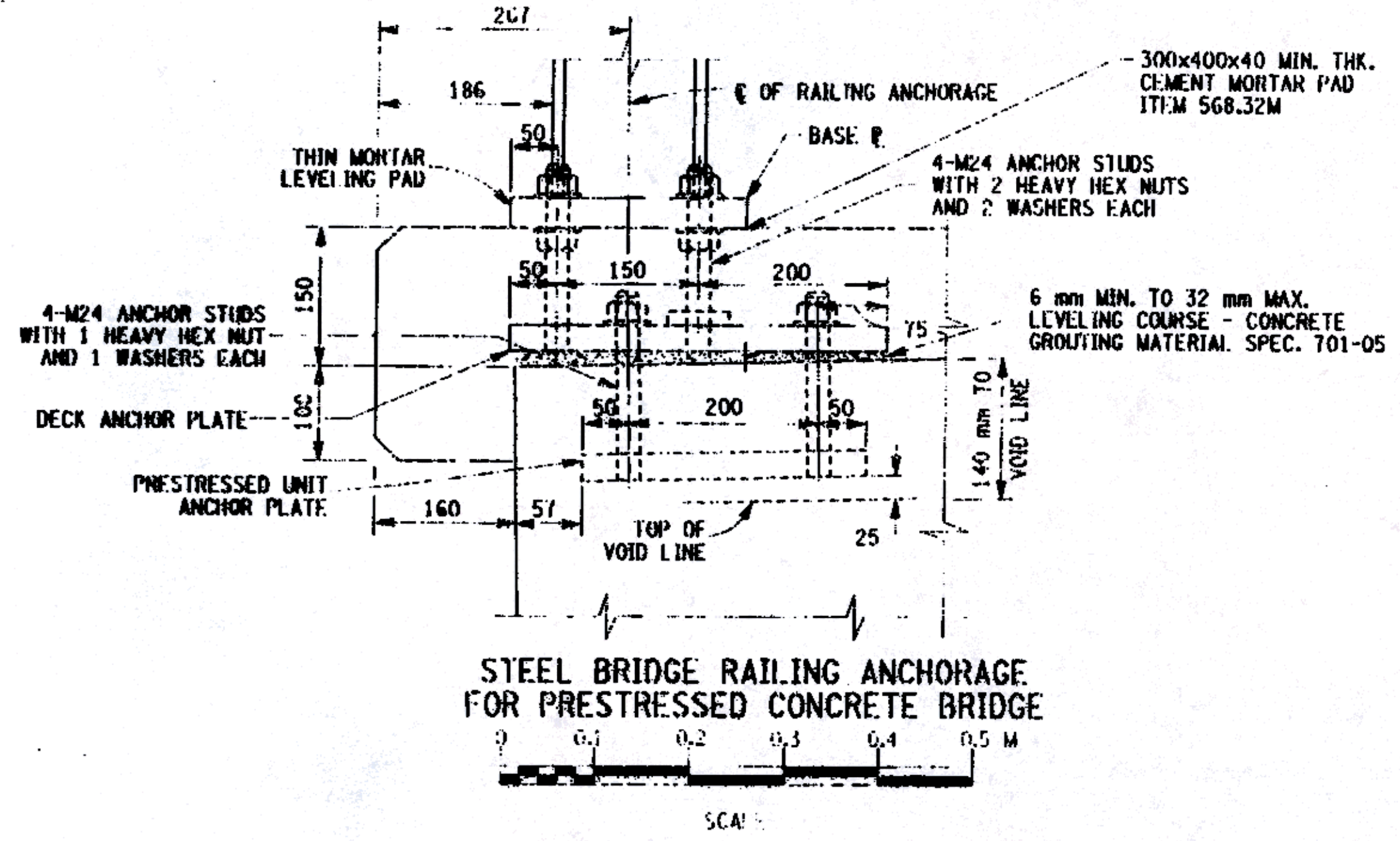
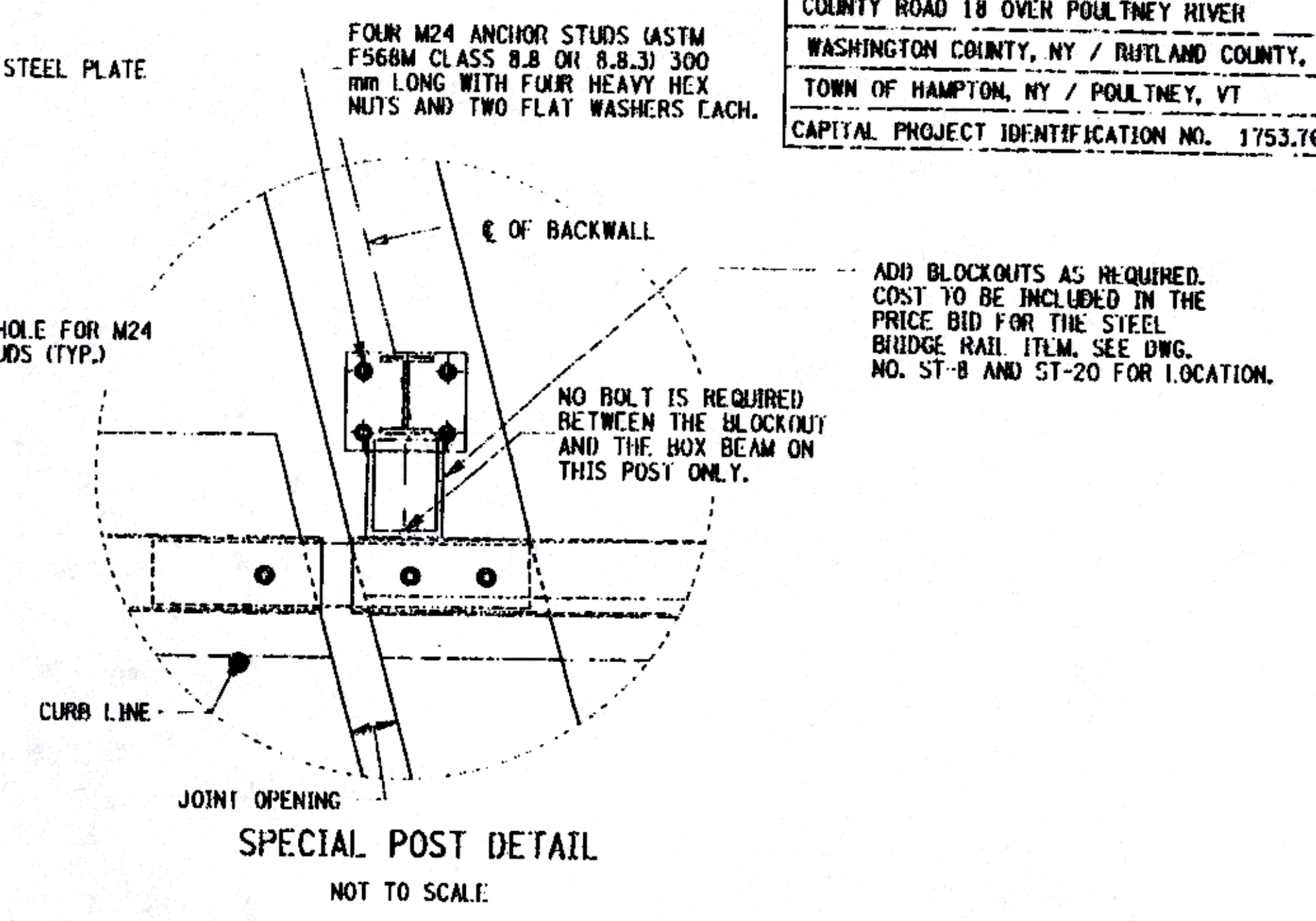
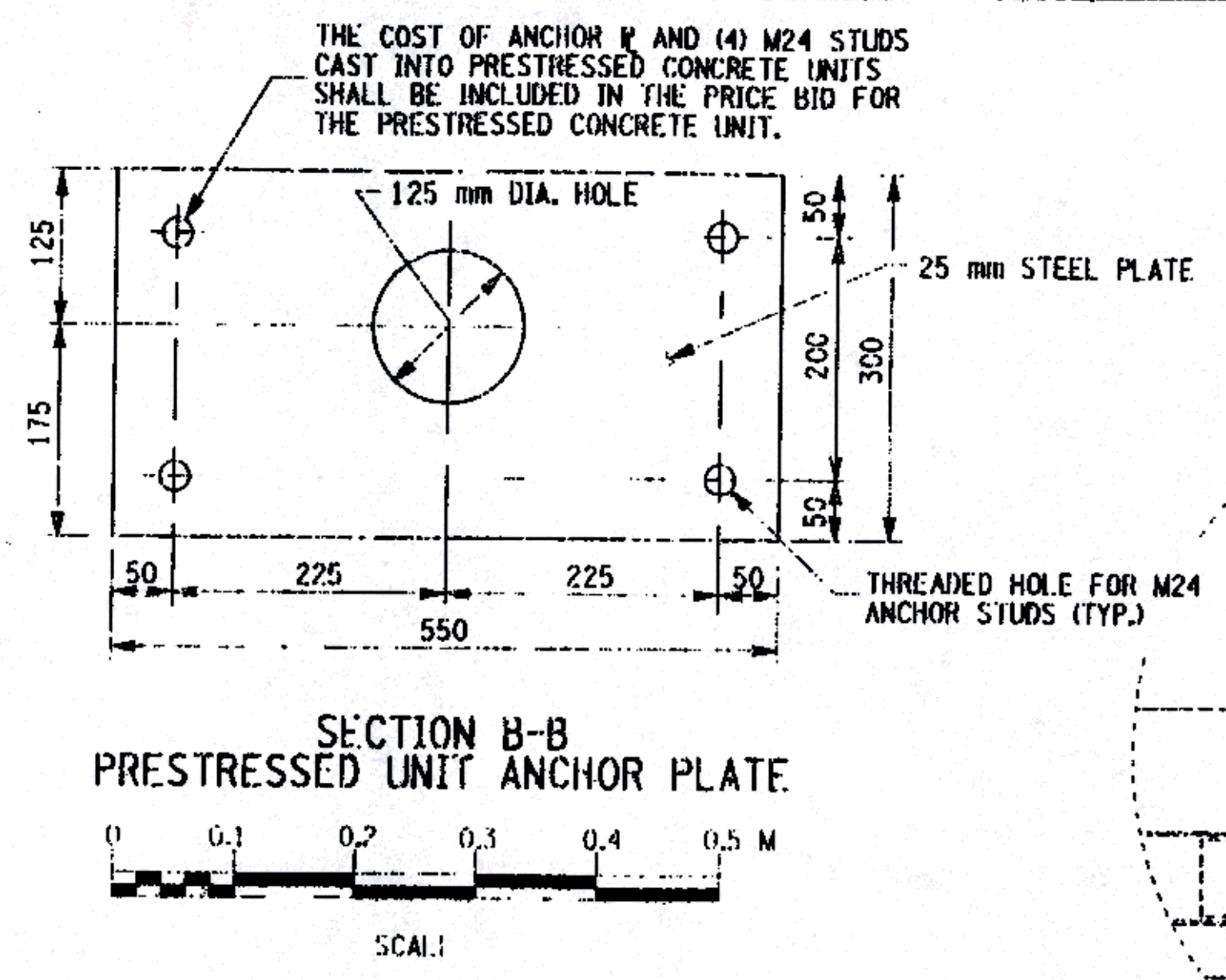
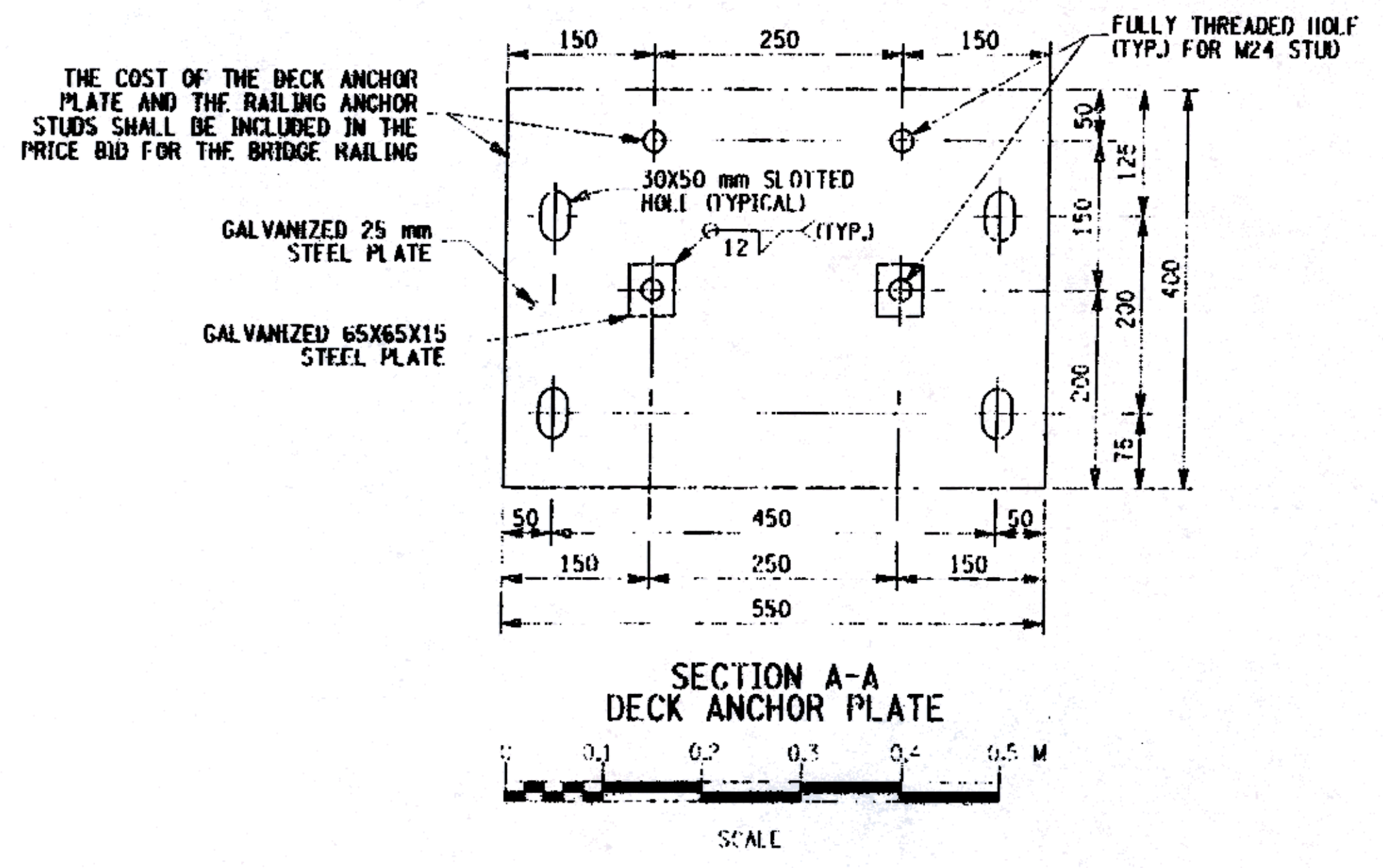
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DESIGNED BY: EKT  
CHECKED BY: EKT  
ESTIMATED BY: EKT  
CHECKED BY: EKT  
DESIGNED BY: EKT  
JOB MANAGER: EKT

FED. ROAD R.F.C. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		39	43

COUNTY ROAD 18 OVER POULTNEY RIVER  
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT  
TOWN OF HAMPTON, NY / POULTNEY, VT  
CAPITAL PROJECT IDENTIFICATION NO. 1753.76



**AS BUILT. NO REVISIONS 9/2003**

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED  
AS BUILT REVISIONS

SIGNATURE	DATE
<i>James E. Thomas</i>	9/2003

COUNTY ROAD 18 OVER POULTNEY RIVER  
BRIDGE RAIL  
(SHEET 3 OF 4)  
WASHINGTON COUNTY  
DEPARTMENT OF PUBLIC WORKS

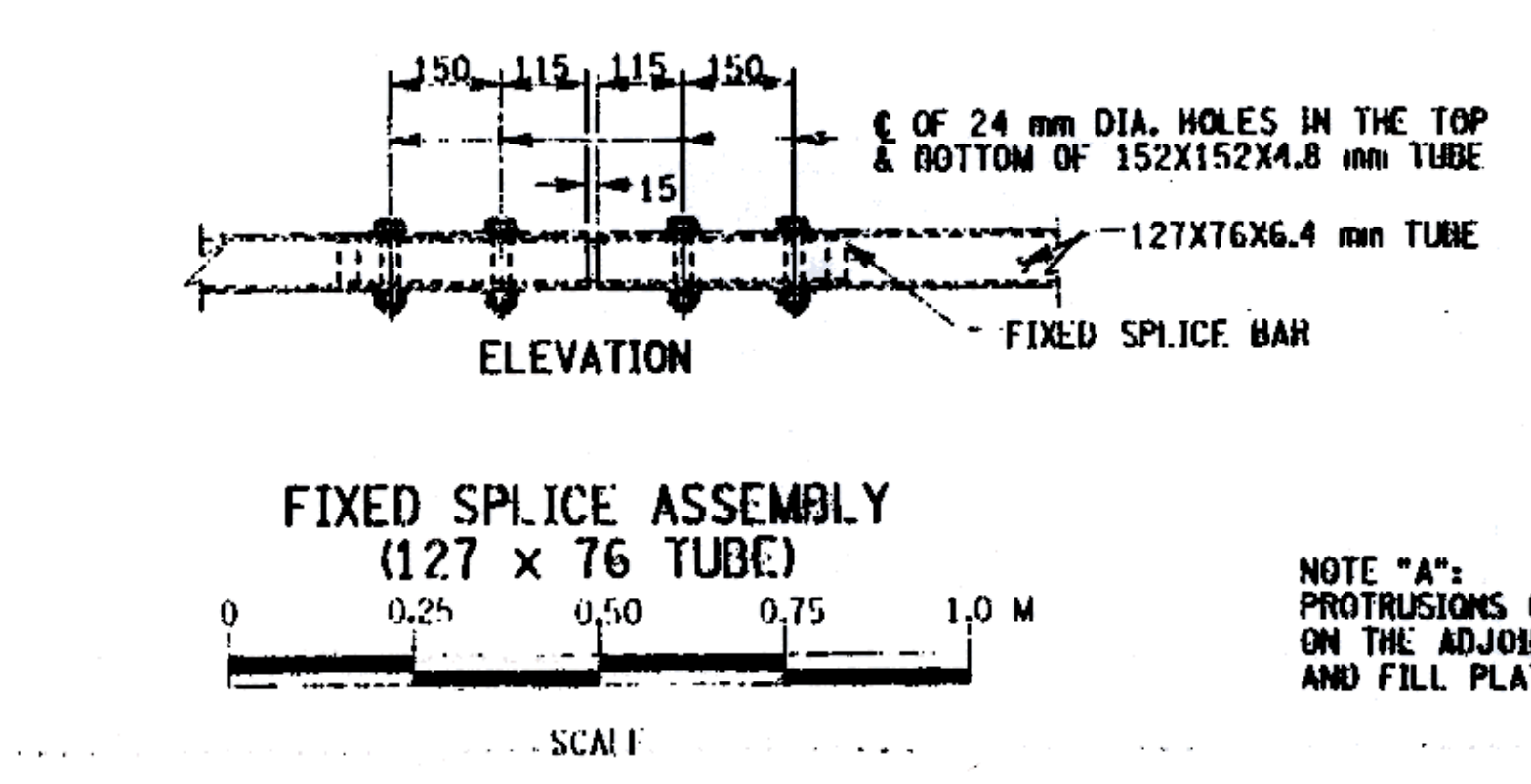
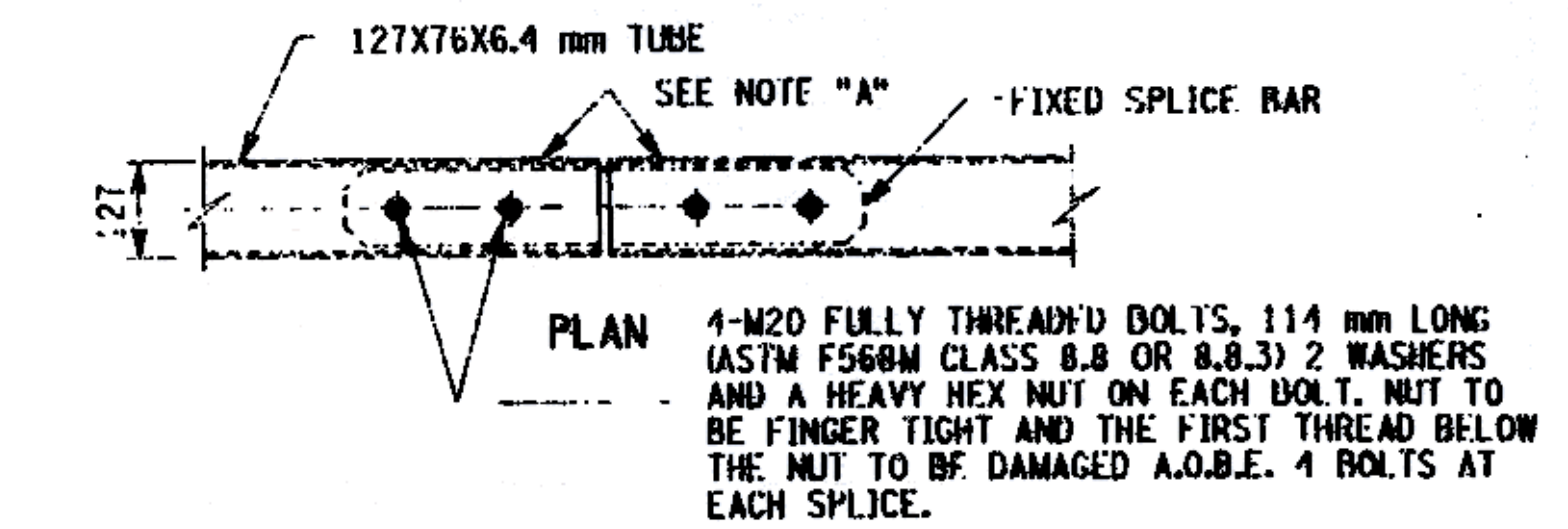
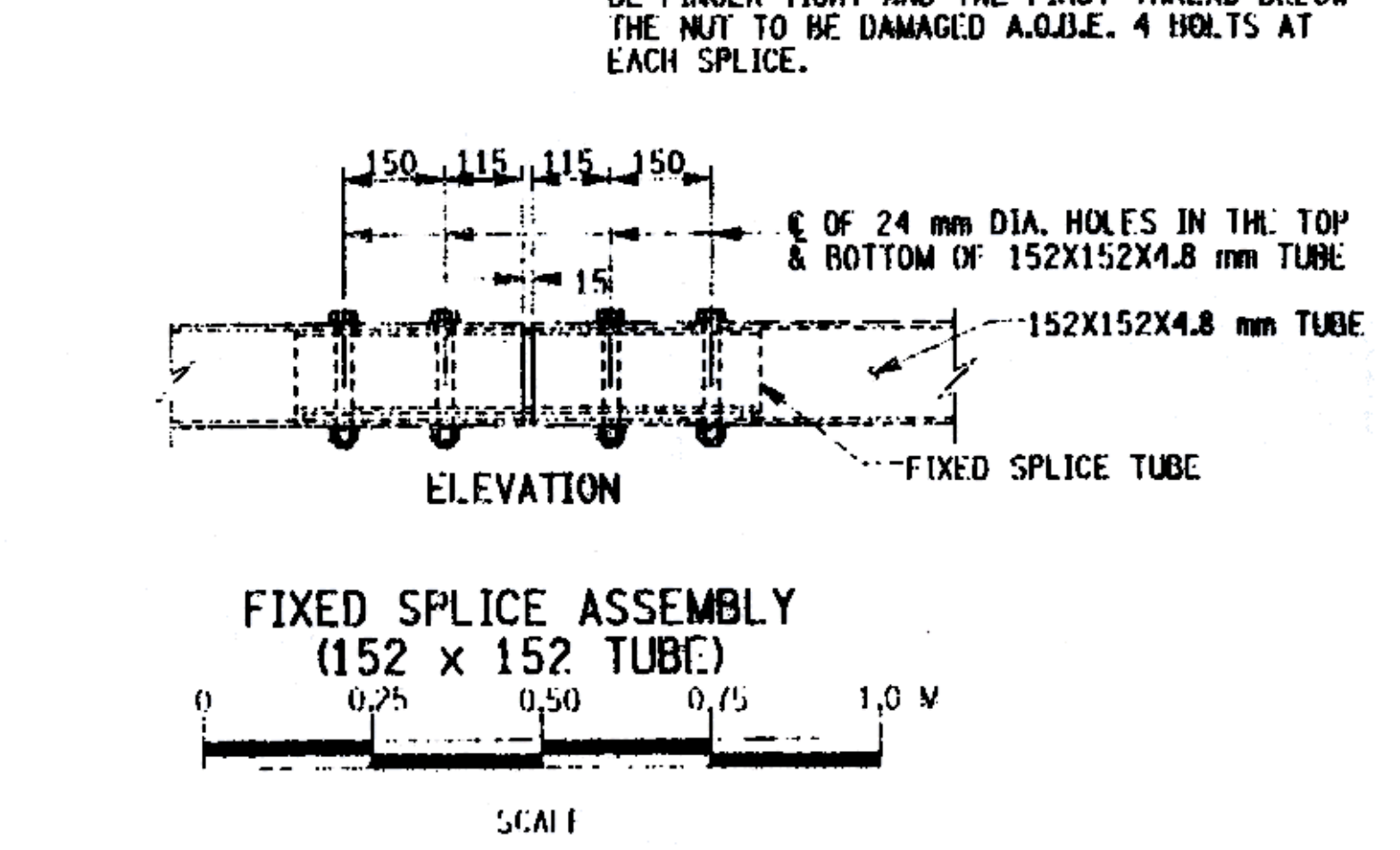
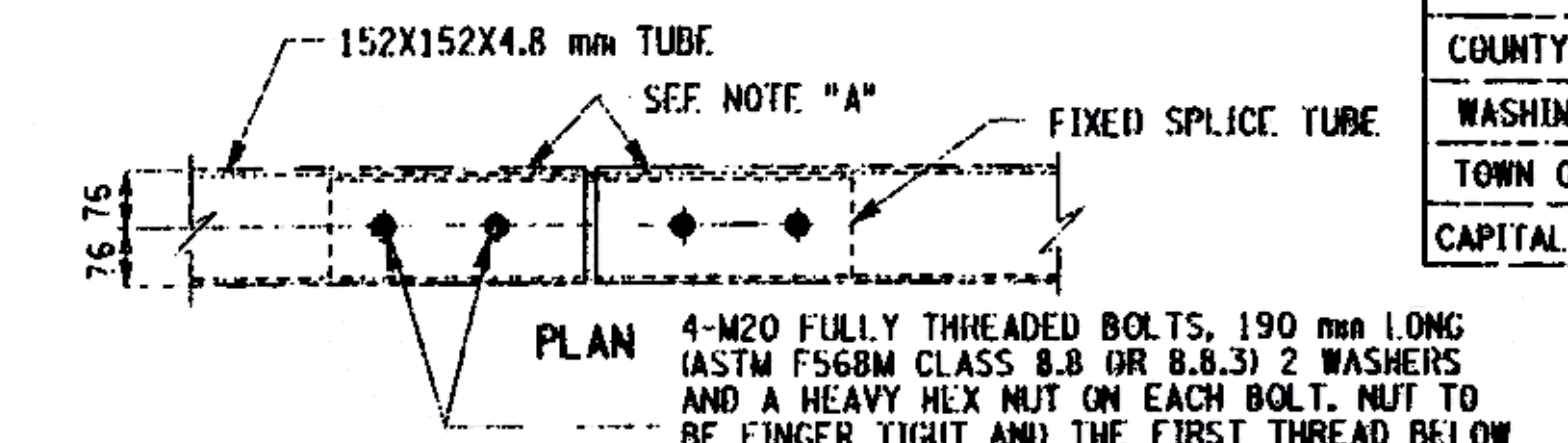
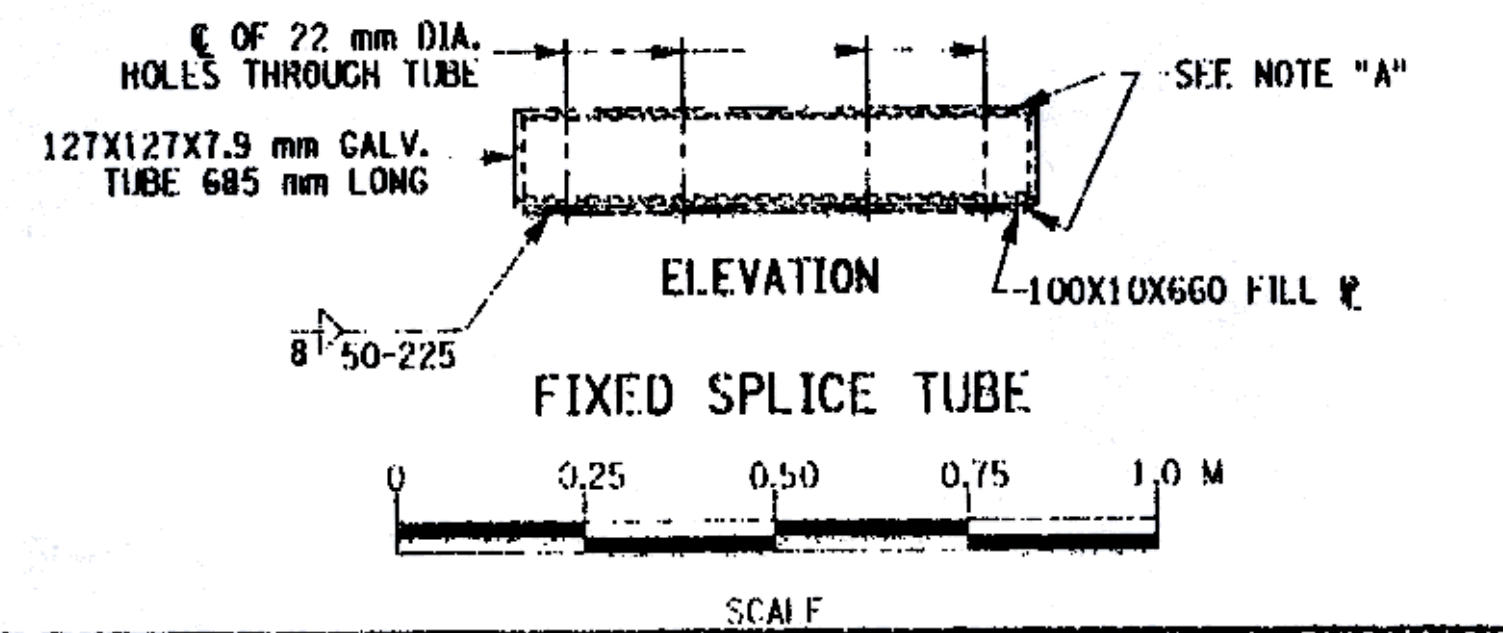
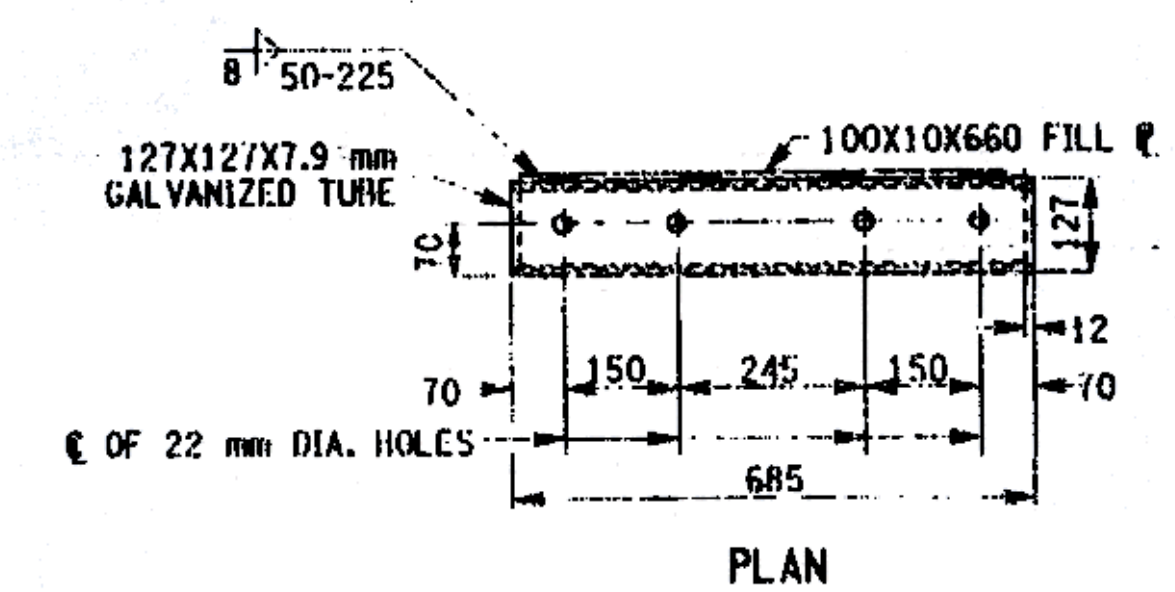
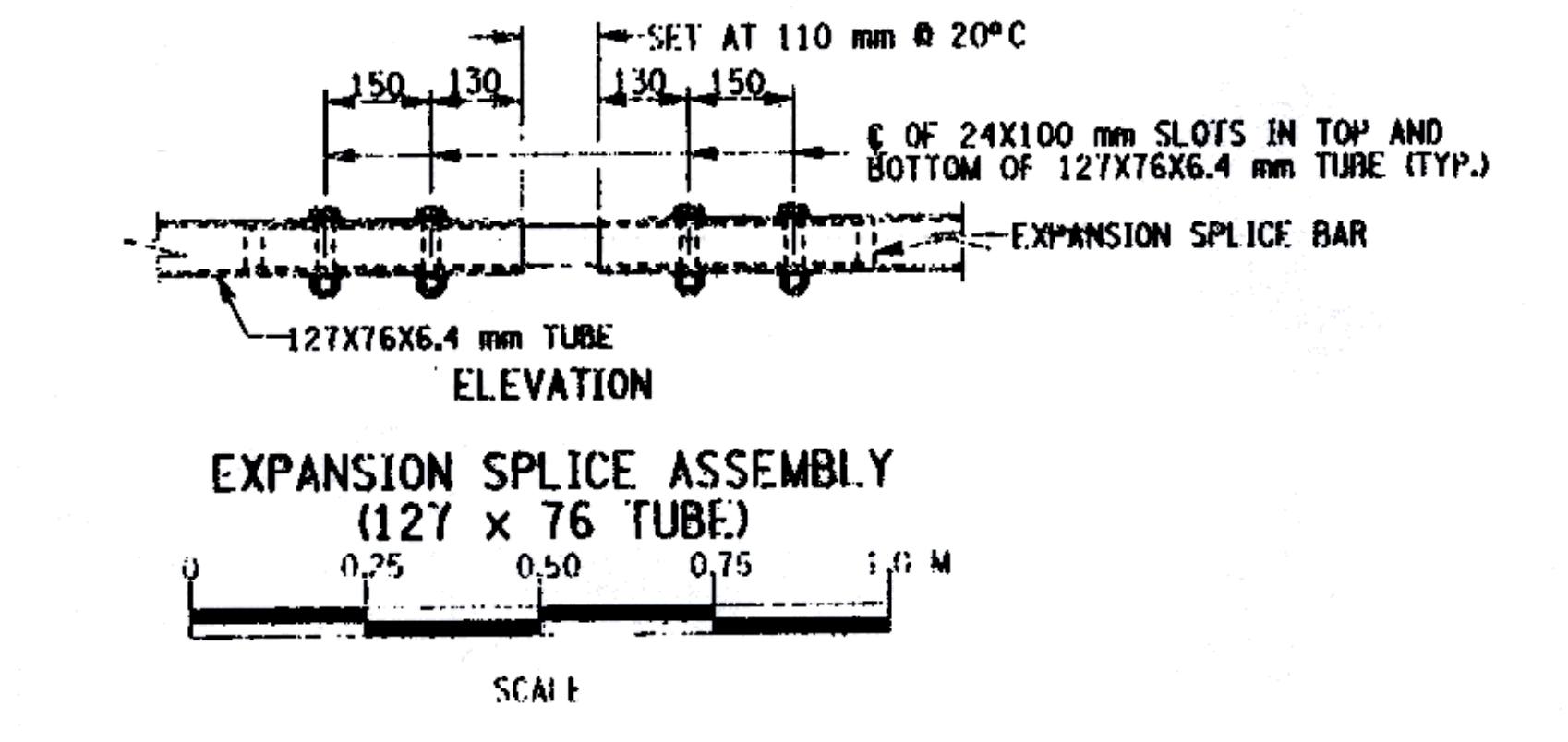
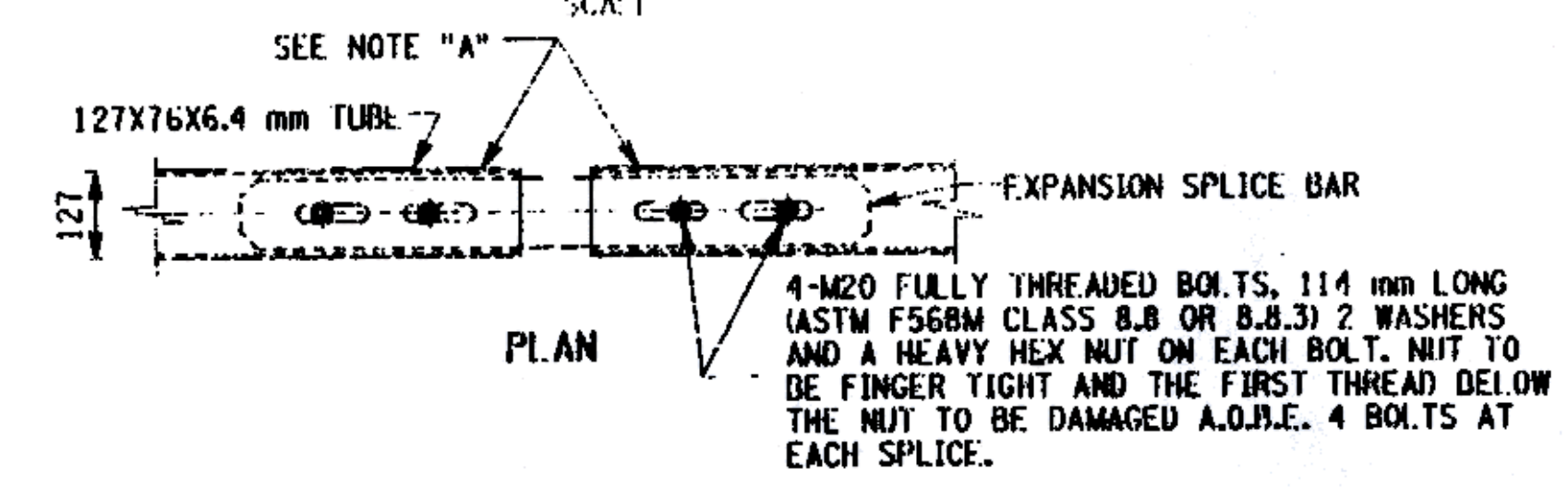
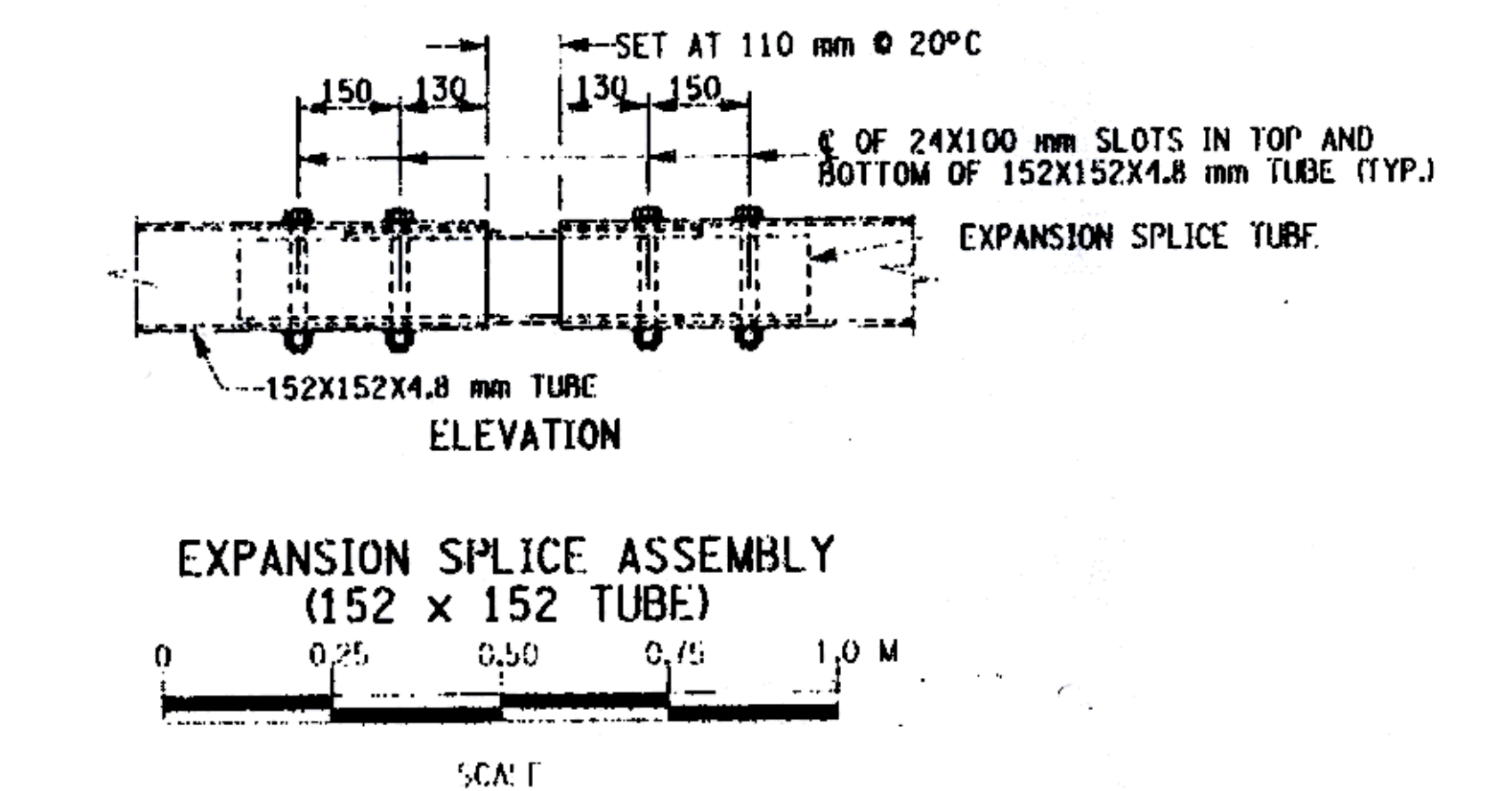
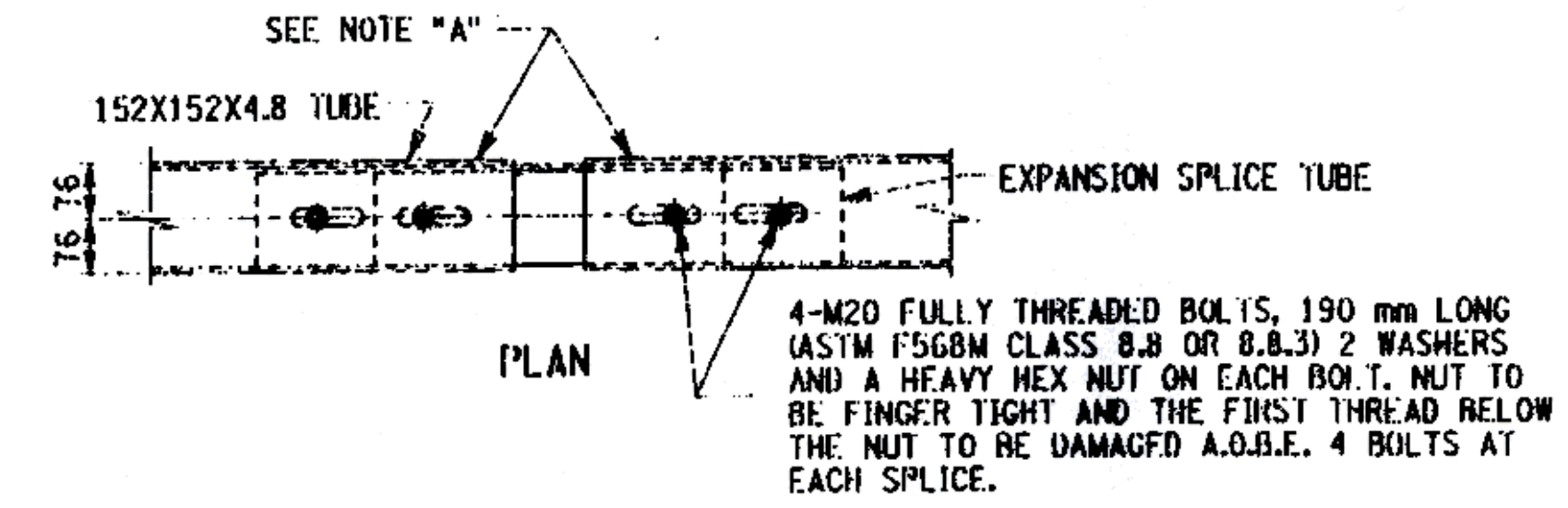
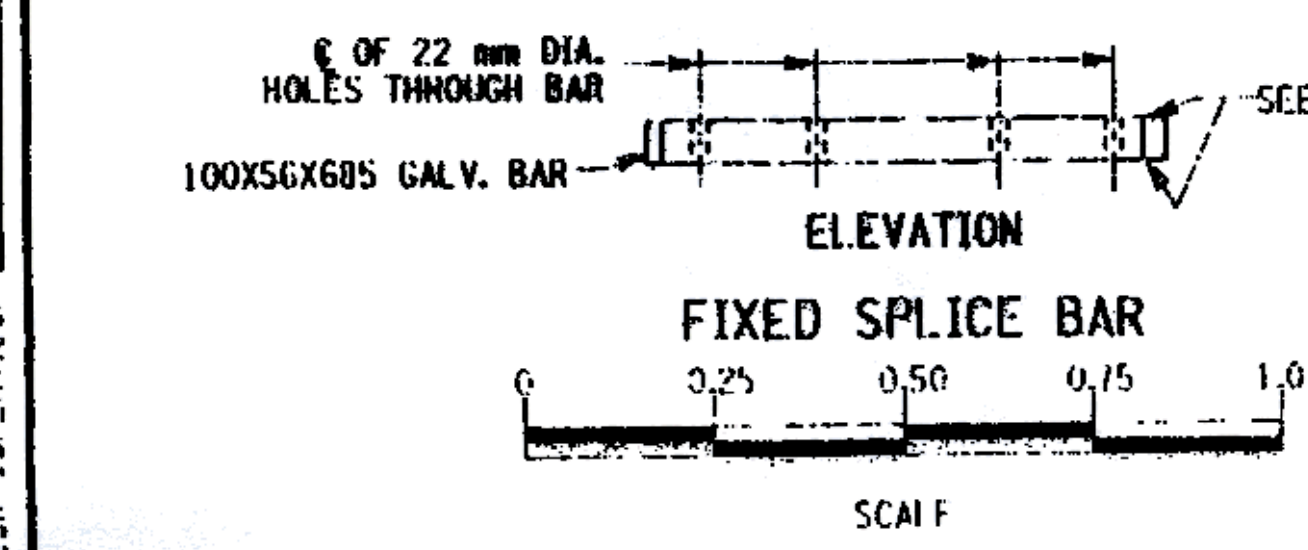
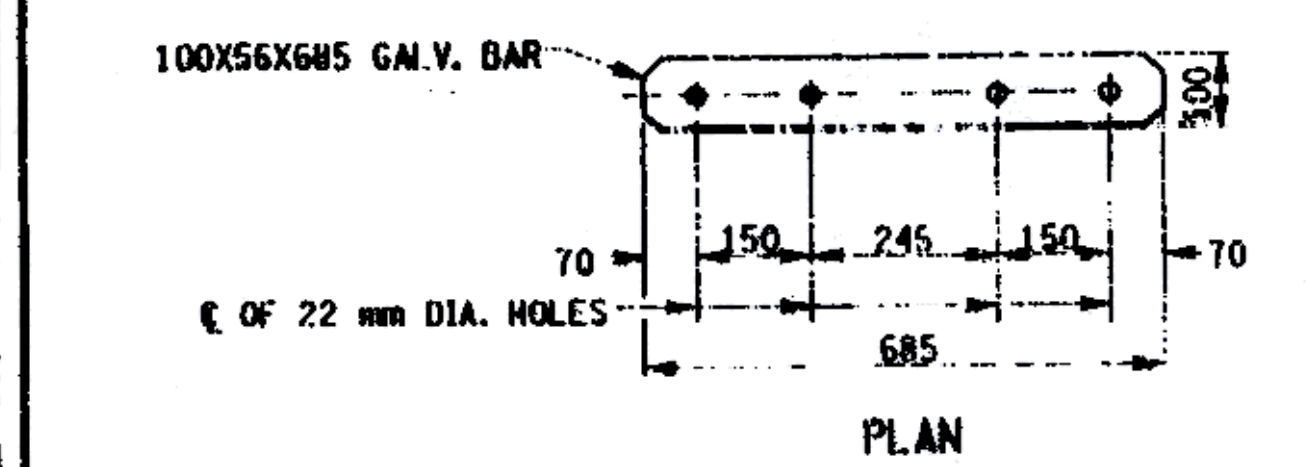
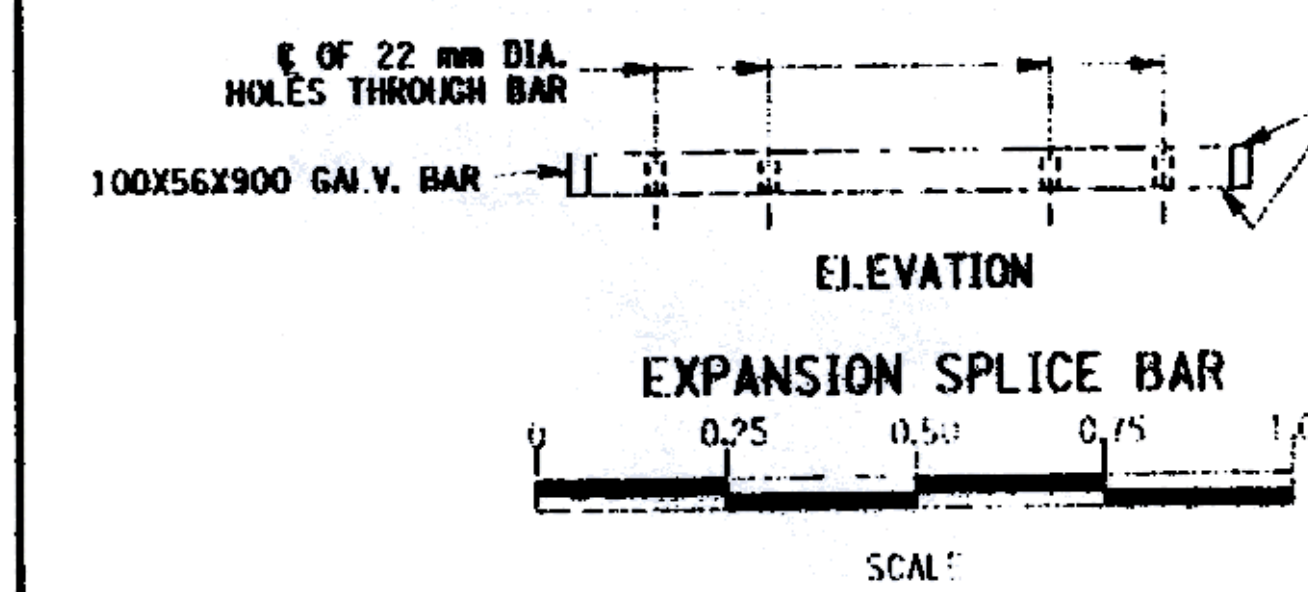
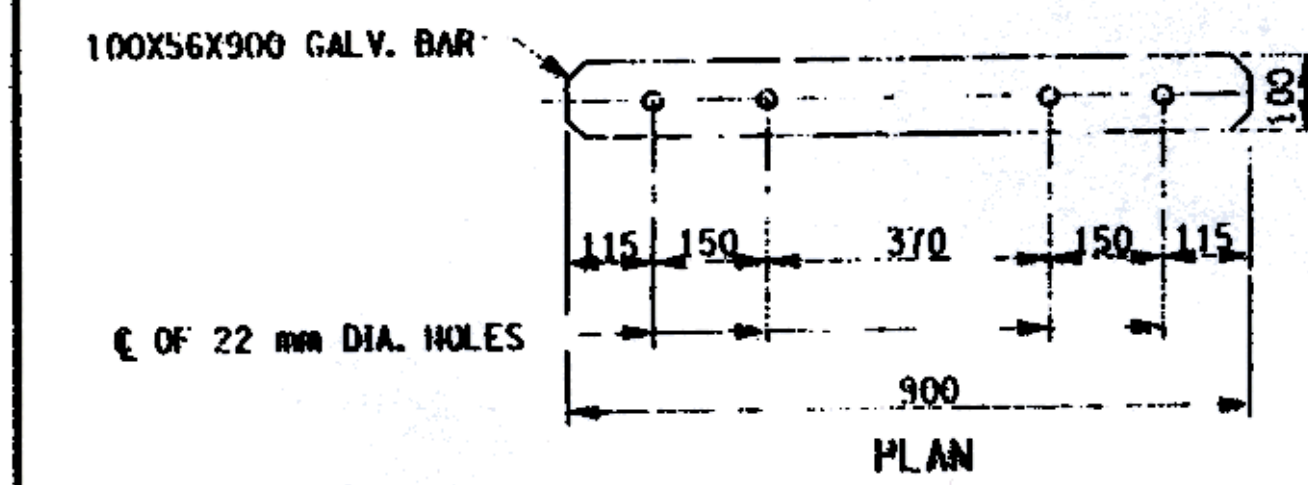
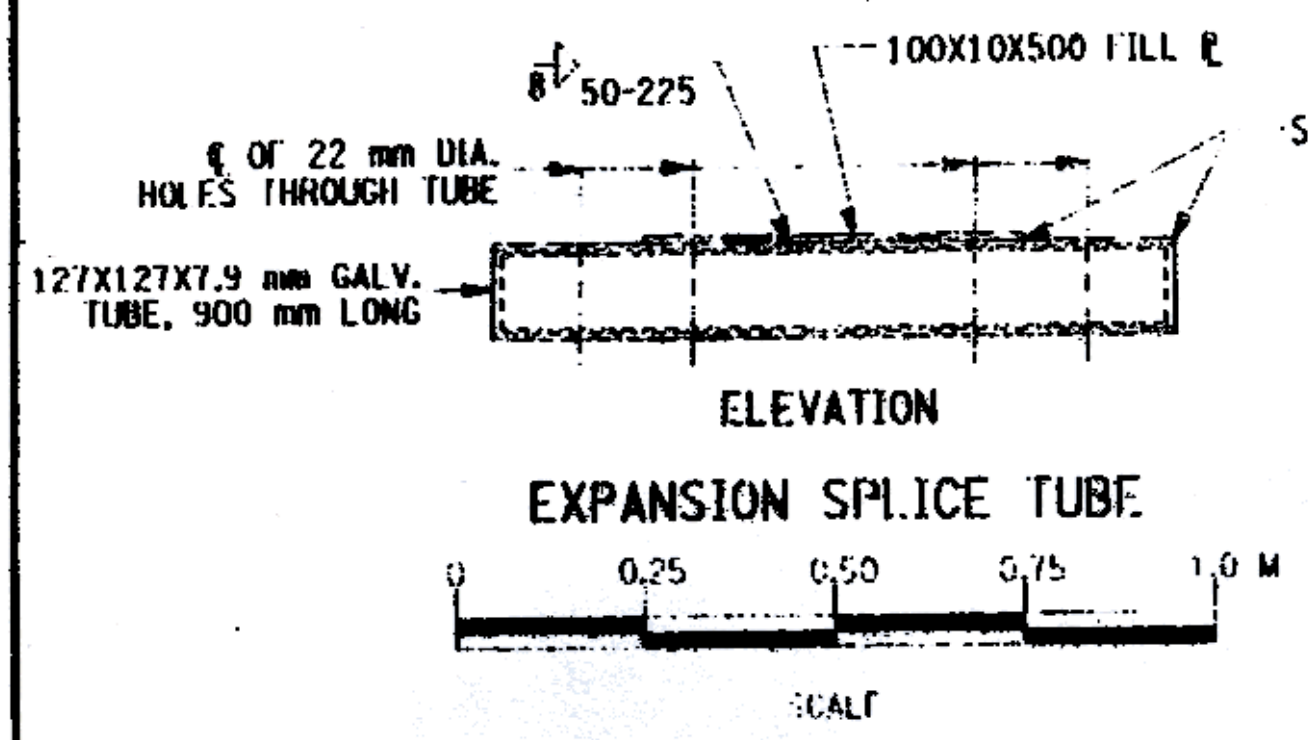
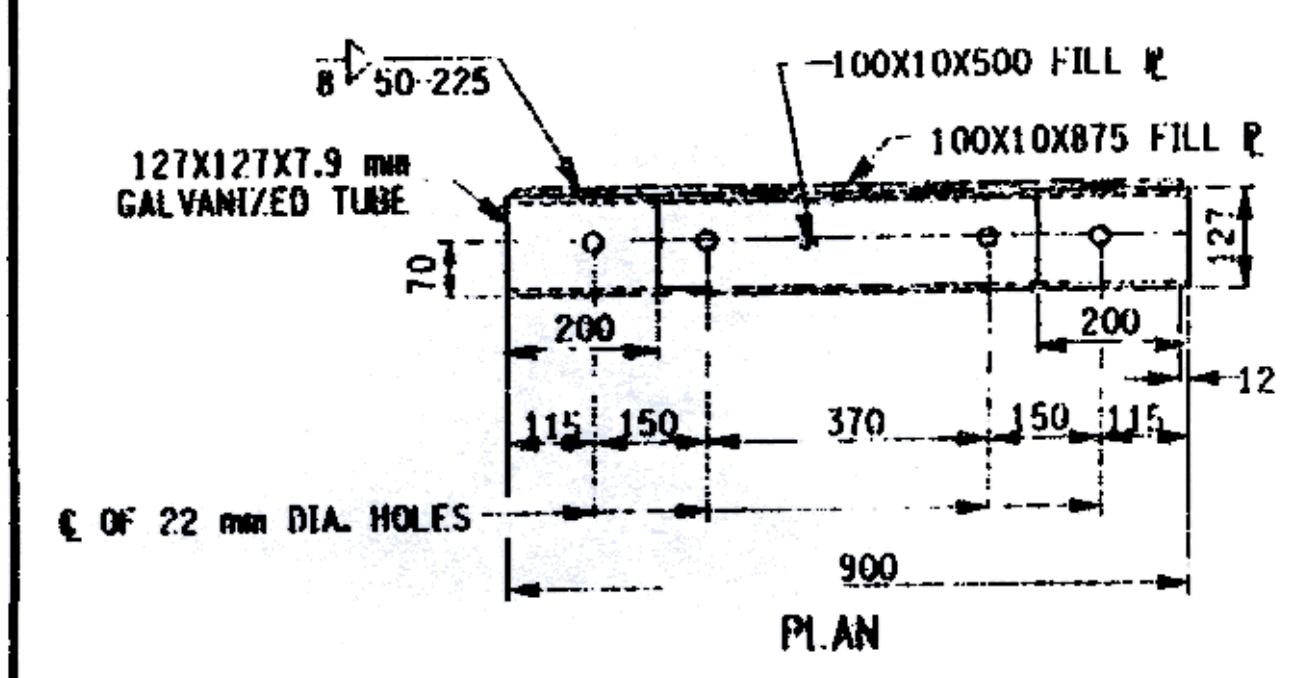
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ESTIMATED BY JJC  
CHECKED BY JJC  
DESIGNED BY JJC

F.L.D. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		40	43
COUNTY ROAD 18 OVER POLTNEY RIVER				
WASHINGTON COUNTY, NY / RUTLAND COUNTY, VT				
TOWN OF HAMPTON, NY / POLTNEY, VT				
CAPITAL PROJECT IDENTIFICATION NO. 1753.76				

DESIGNED BY EKT  
 CHECKED BY LAK  
 ESTIMATED BY EKT  
 DRAFTER BY RUN  
 JOB MANAGER TJC  
 SUPERVISOR TJC



NOTE "A": PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS			
<i>Signature</i>		9/2003	
SIGNATURE		DATE	
COUNTY ROAD 18 OVER POLTNEY RIVER			
BRIDGE RAIL (SHEET 4 OF 4)			
WASHINGTON COUNTY			
DEPARTMENT OF PUBLIC WORKS			
FILE NAME	REGION	DATE	DRAWING NO.
175376AA.R1D	ONE	3/2002	ST-24

**AS BUILT: NO REVISIONS 9/2003**