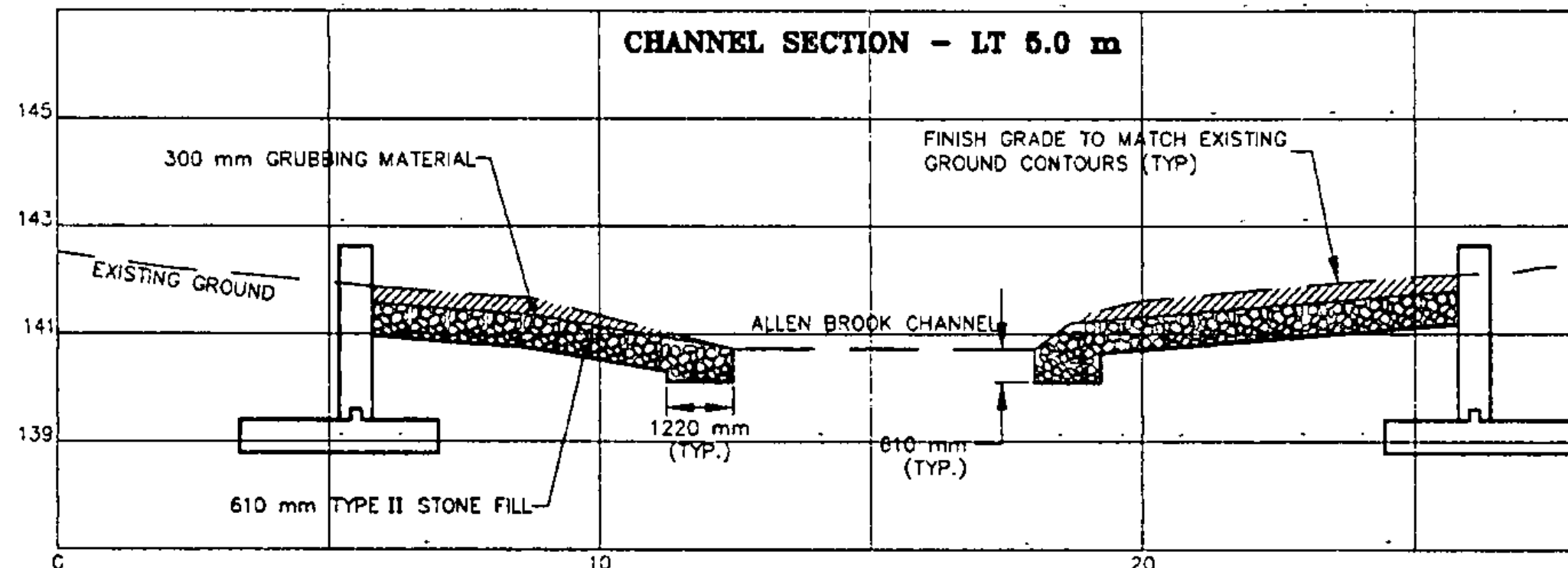
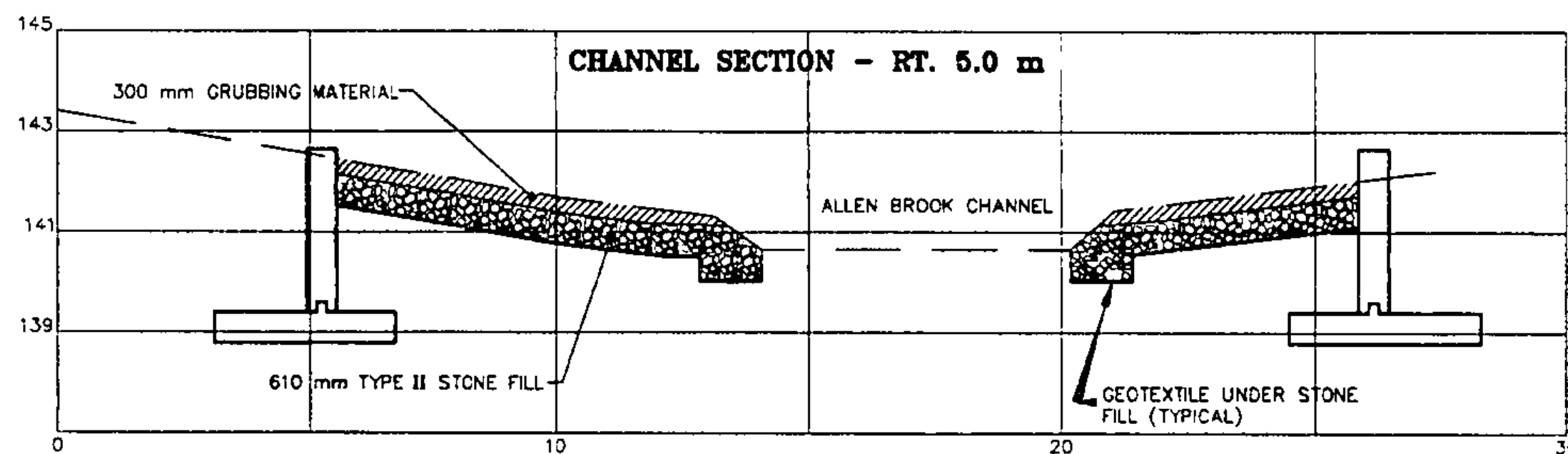


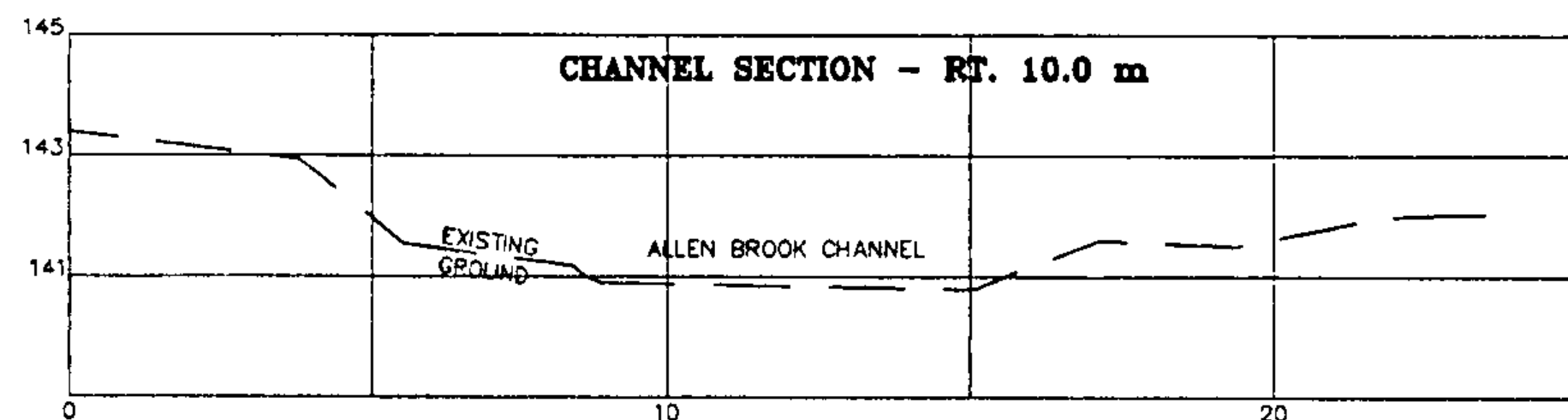
STEEL PEDESTRIAN BRIDGE PERFORMANCE SPECIFICATIONS AND DETAILS

THESE SPECIFICATIONS ARE FOR A COMPLETE, FULLY ENGINEERED CLEAR SPAN BRIDGE OF STEEL CONSTRUCTION AND SHALL BE REGARDED AS MINIMUM STANDARDS FOR DESIGN AND CONSTRUCTION.

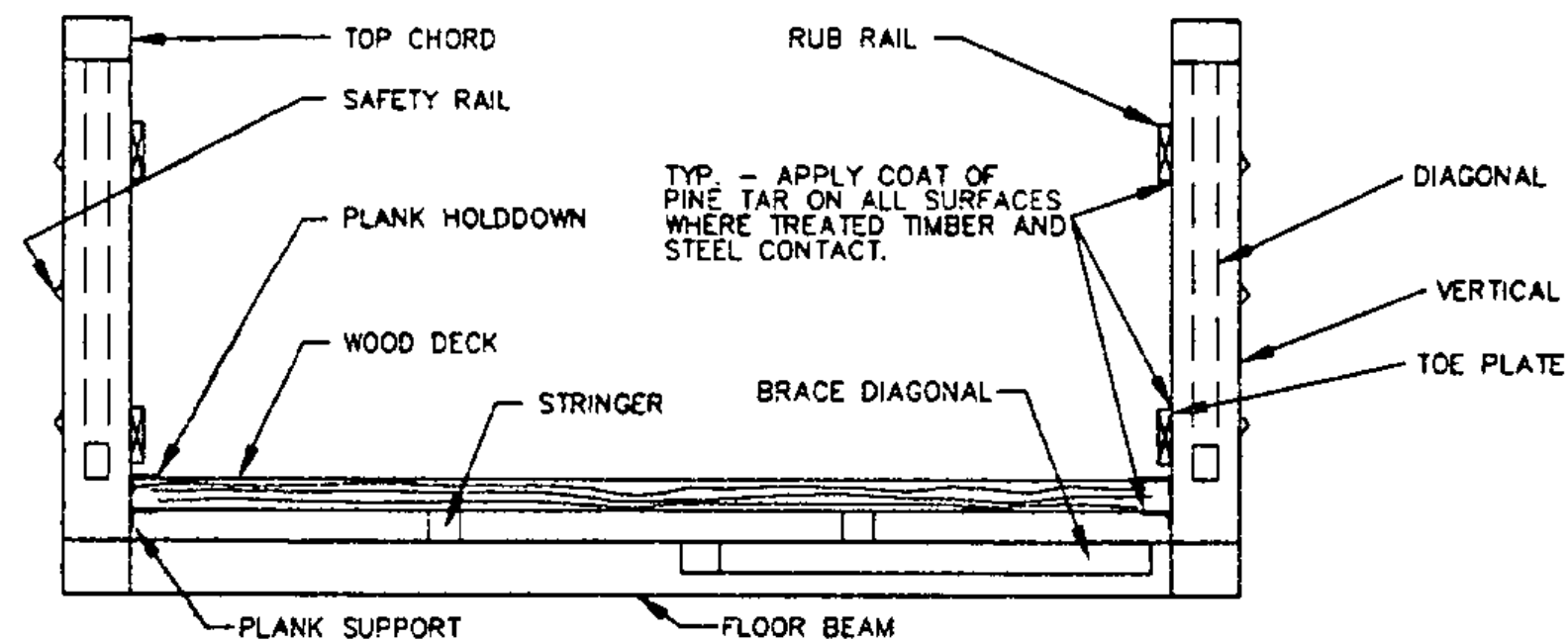
- SPAN AND WIDTH**
- STRUCTURE LENGTH (STRAIGHT LINE DIMENSION) SHALL BE 15.24 m.
 - BRIDGE INSIDE DECK WIDTH SHALL BE 3.0 m.
- ENGINEERING**
- UNIFORM LIVE LOAD: MINIMUM UNIFORM LIVE LOAD OF 4.069 kPa.
 - VEHICLE LOAD: VEHICLE LOAD SHALL BE AS FOR AASHTO STANDARD DESIGN TRUCK M9.
 - ALLOWABLE DESIGN STRESSES: BRIDGE APPLICATIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) - 15TH EDITION WITH CURRENT INTERIMS.
 - WELDED TUBULAR STRUCTURE DESIGN SHALL BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE (ANS/AWS D11-94)-CHAPTER 10, TUBULAR STRUCTURES.



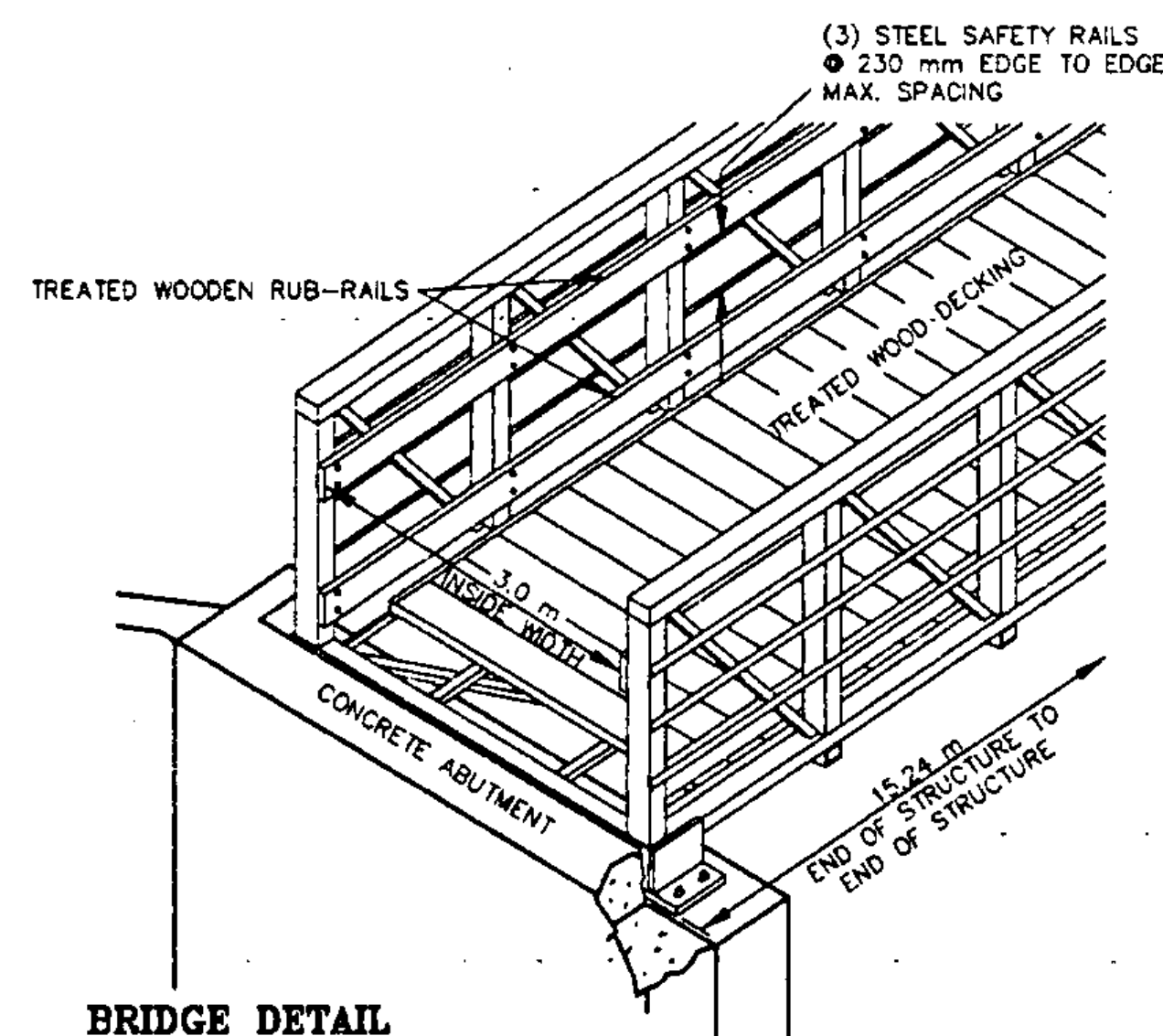
- GEOMETRY**
- LOW PROFILE DESIGN WITHOUT OVERHEAD MEMBERS.
 - RAILING HEIGHT: RAILING HEIGHT SHALL BE PER AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES.
 - DIAGONALS: ONE DIAGONAL PER PANEL.
 - CAMBER: THE BRIDGE SHALL BE CAMBERED TO OFFSET FULL DEAD LOAD DEFLECTION PLUS 50 mm PERMANENT.
- MATERIALS**
- BRIDGE SHALL BE FABRICATED FROM HIGH STRENGTH, SELF-WEATHERING, LOW ALLOY, ATMOSPHERIC CORROSION RESISTANT ASTM A572 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING OR AASHTO M270 M, GRADE 345 W, A588, ASTM A606, OR ASTM A242 PLATE AND STRUCTURAL STEEL SHAPES (FY = 345 MPa).
 - STEEL ATTACHMENTS:
 - CONTINUOUS LIFE SAFETY RAILS (MAXIMUM CLEAR OPENINGS OF 230 mm).
 - WOOD ATTACHMENTS:
 - NOMINAL 50 mm X 150 mm WOOD RUB RAILS ON INSIDE OF BRIDGE, PLACED 950 mm ABOVE TOP OF DECK.
 - CONTINUOUS 150 mm HIGH TOE PLATE, 40 mm ABOVE DECK LEVEL.



- FINISHING**
- ALL CONTACTS BETWEEN TREATED WOOD AND SELF-WEATHERING STEEL SHALL BE TREATED WITH PINE TAR TO PREVENT CORROSION.

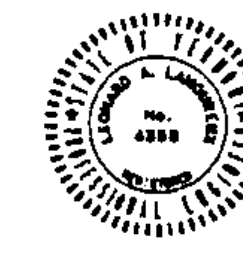


BRIDGE CROSS-SECTION
NTS



BRIDGE DETAIL
NTS

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.



Metric

| date | description | by |
|---|---|---|
| 7-31-95 | REVISED PER STATE REVIEW | DLH |
| 8-30-95 | MSC. REVISIONS PER STATE REVIEW OF HYDRAULICS | ABR |
| 5-2-95 | MSC. REVISIONS PER STATE REVIEW OF HYDRAULICS | DLH |
| 9/7/94 | MSC. REVISIONS PER STATE REVIEW OF HYDRAULICS | KAS |
| REVISIONS | | |
| STATE OF VERMONT AGENCY OF TRANSPORTATION | | Proj. no. 93-064 |
| TRANSPORTATION PATH WILLISTON STP BIKE (9) IN WILLISTON VERMONT | | Survey HLS/ABR Design KAS/LAL Drawn KAS/ABR Checked DLH/LAL Gate 2-2-94 Scale AS NOTED |
| LAMOUREUX, STONE & O'LEARY Consulting Engineers Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450 | | Sht. no. 24 OF 36 |
| Engineers-Planners-Surveyors | | |