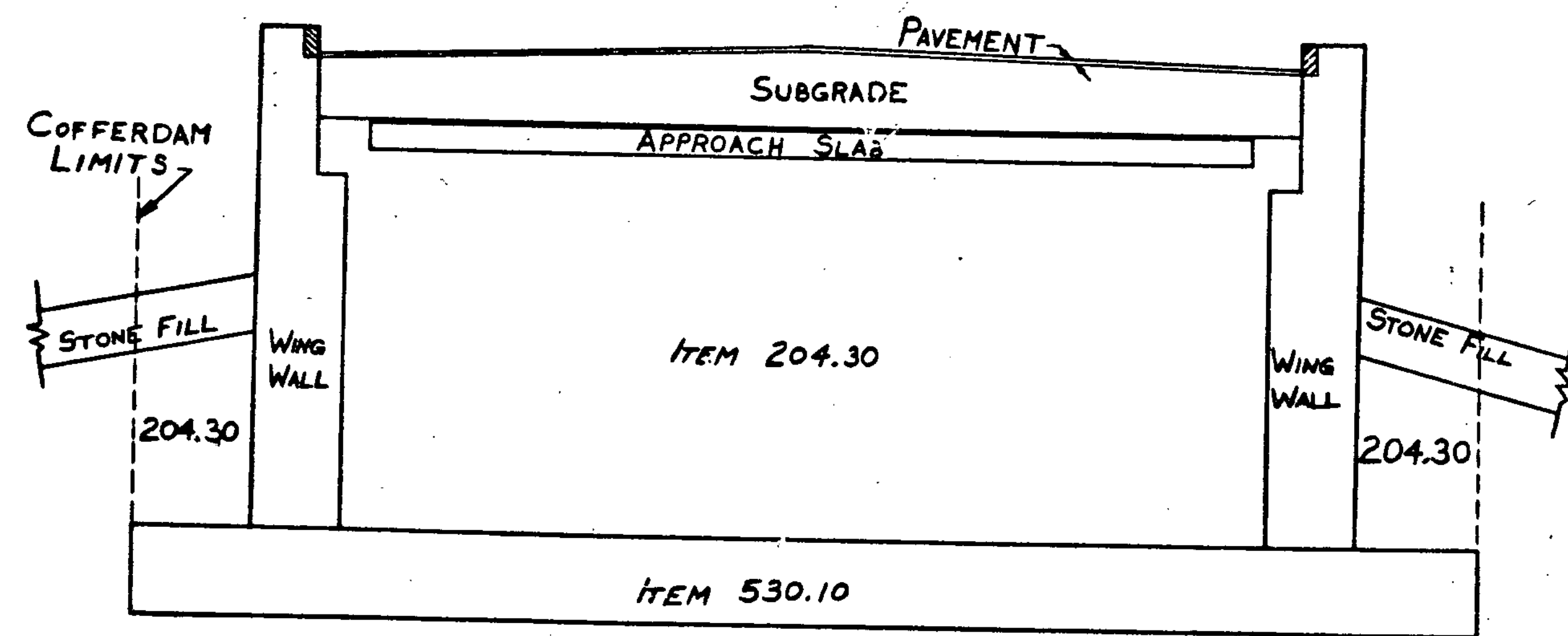
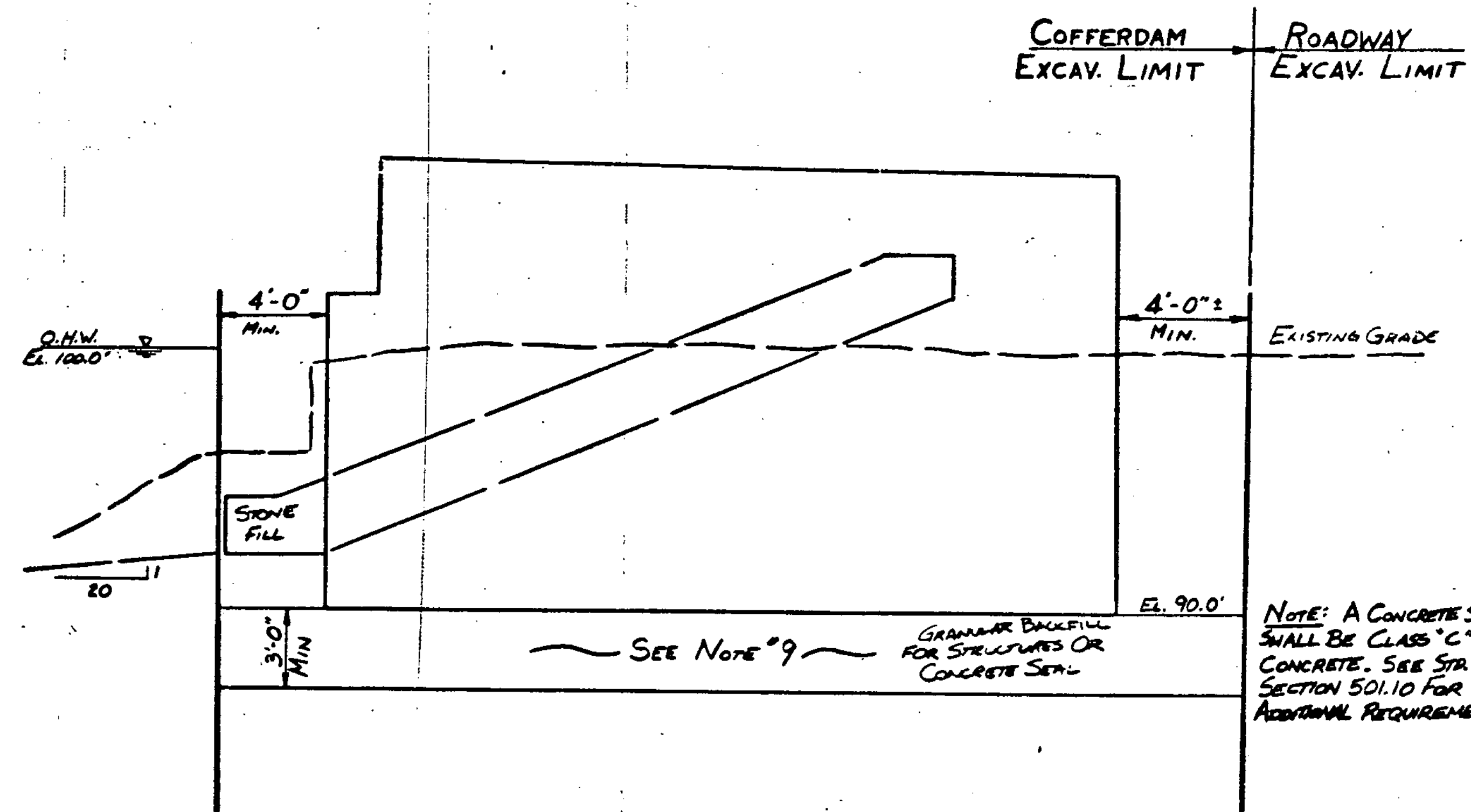


PLAN - COFFERDAM LIMITS
SCALE: 1/4" = 1'-0"



TYPICAL SECTION A-A - ITEM LIMITS
SCALE: 1/4" = 1'-0"



ELEVATION - COFFERDAM LIMITS
SCALE: 1/4" = 1'-0"

- FOR ADDITIONAL GENERAL NOTES, SEE SCB-D1-75, NOTES 1-16.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL EXERCISE EVERY REASONABLE PRECAUTION TO PREVENT POLLUTION, INCLUDING THE DISCHARGE OF RAW CONCRETE OR DEBRIS INTO THE STREAM, AS DIRECTED BY STANDARD SPECIFICATION SECTION 104.11.
- IN-STREAM CONSTRUCTION SHALL BE LIMITED TO JUNE 1 THRU OCTOBER 1. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO THE BOAT LAUNCH SITE AND PARKING AREA AT ALL TIMES.
- THE EXISTING SUPERSTRUCTURE SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- THE CLOSED CELL EXPANSION MATERIAL SHALL BE SEMI-RIGID GRADE AND SHALL MEET THE REQUIREMENTS OF SUBSECTION 707.23. PAYMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONCRETE, CLASS A.
- ALL CONCRETE IN ABUTMENTS SHALL BE CONCRETE, CLASS B. ALL CONCRETE SHALL BE PLACED IN THE DRY.
- PAY LIMITS FOR GRANULAR BACKFILL FOR STRUCTURES SHALL BE:
HORIZONTAL - COFFERDAM LIMITS OR 4'-0" FROM FACE OF ABUTMENT.
VERTICAL - UPPER LIMIT: BOTTOM OF APPROACH SLAB, SUBGRADE, OR BOTTOM OF STONE FILL
LOWER LIMIT: ELEVATION 90.0
- PILING AT ABUTMENTS SHALL BE HP 14 X 73'S WITH AN ESTIMATED LENGTH OF 80 LF. SPLICES IN PILES SHALL NOT BE ALLOWED BETWEEN ELEVATIONS 70.0 THRU 92.0. PILES SHALL BE DRIVEN TO A DESIGN CAPACITY OF 95 TONS. ALL PILES SHALL HAVE REINFORCED TIPS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE COST OF PILE TIPS SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE STEEL PILING ITEM.
- PAY ITEM 530.10 - COFFERDAM, SHALL CONSIST OF THE FOLLOWING WORK:
- ALL LABOR AND INCIDENTALS REQUIRED TO INSTALL AND REMOVE COFFERDAM.
- EXCAVATION OF ALL MATERIAL TO CONSTRUCT EACH ABUTMENT.
- A MINIMUM 3' OF GRANULAR BACKFILL FOR STRUCTURES MEETING SPECIFICATION 704.11 BELOW ELEVATION 90.0' OR A CONCRETE SEAL BELOW ELEVATION 90.0' AT CONTRACTOR'S OPTION.

- SPECIFICATION ITEM 530.02 SHALL BE MODIFIED BY THE ADDITION OF THE FOLLOWING: THE CONTRACTOR SHALL PREPARE DETAILED PLANS AND A SCHEDULE OF HIS OPERATION FOR EACH COFFERDAM SPECIFIED IN THE CONTRACT. THE DESIGN AND STRUCTURAL DETAILS OF THE COFFERDAM SHALL BE APPROVED AND SIGNED BY A QUALIFIED PROFESSIONAL ENGINEER (STRUCTURAL OR CIVIL BRANCH) REGISTERED IN THE STATE OF VERMONT. FOUR COPIES OF THE PLANS AND SCHEDULE OF OPERATIONS SHALL BE SUBMITTED TO THE STRUCTURES DIVISION, VERMONT AGENCY OF TRANSPORTATION, 133 STATE STREET, MONTPELIER, VERMONT 05602, FOR REVIEW AND APPROVAL FOR CONFORMANCE WITH SPECIFICATIONS.

DETAILS PRESENTED SHALL INCLUDE: PLAN, ELEVATION AND SECTIONS INDICATING COFFERDAM DETAILS; SUBSTRUCTURE CONSTRUCTION DETAILS; DEPTH OF GRANULAR MATERIAL OR SEAL BELOW ELEVATION 90.0'; DETAILS FOR PUMPING, SCREENING AND FILTERING Dewatering DISCHARGE AND A SCHEDULE OR SEQUENCE OF OPERATIONS.

- THIS STRUCTURE WAS DESIGNED USING A PLATE GIRDER. HOWEVER, AT THE CONTRACTOR'S DISCRETION, A ROLLED BEAM MAY BE USED INSTEAD OF A PLATE GIRDER. ANY ADDITIONAL INFORMATION AND/OR CHANGES REQUIRED FOR THE ROLLED BEAM OPTION ARE NOTED ON THE PLANS. THE PAY ITEM 506.540 SHALL BE BID LUMP SUM AND SHALL INCLUDE ALL STEEL COSTS FOR EITHER OPTION CHOSEN BY CONTRACTOR.

STATE OF VERMONT AGENCY OF TRANSPORTATION	
TOWN OF <u>HINGGATE</u>	Bridge No. <u>182</u>
HIGHWAY NO. <u>U.S. RTE. 7</u>	Log Sta. <u>225+52</u>
Surv. Sta. <u>225+53</u>	
<u>U.S. RTE. 7 OVER ROCK RIVER</u>	
COFFERDAM DETAILS AND GENERAL NOTES	
Designed by <u>M.J. Pellegrino</u>	Drawn by <u>M.J. Pellegrino</u>
Checked by _____	Bridge Design Supervisor
date _____	date _____
PROJECT <u>HINGGATE</u>	PROJECT NO. <u>BRS-0285(1)S</u>
Bridge Sheet No. <u>BR 109</u>	Sheet <u>22 of 64</u>