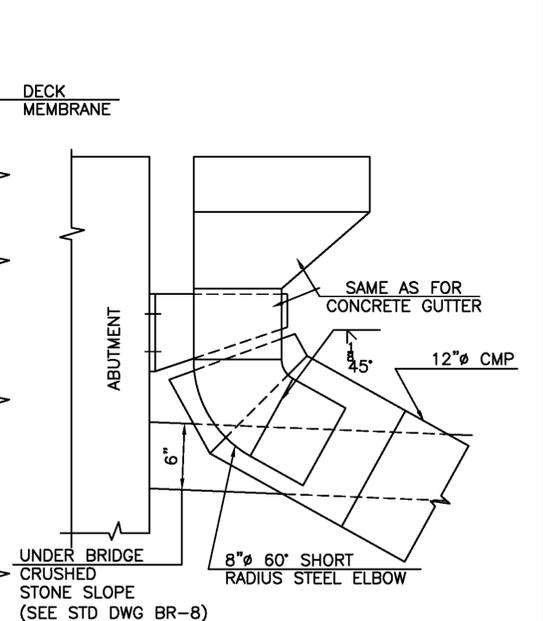
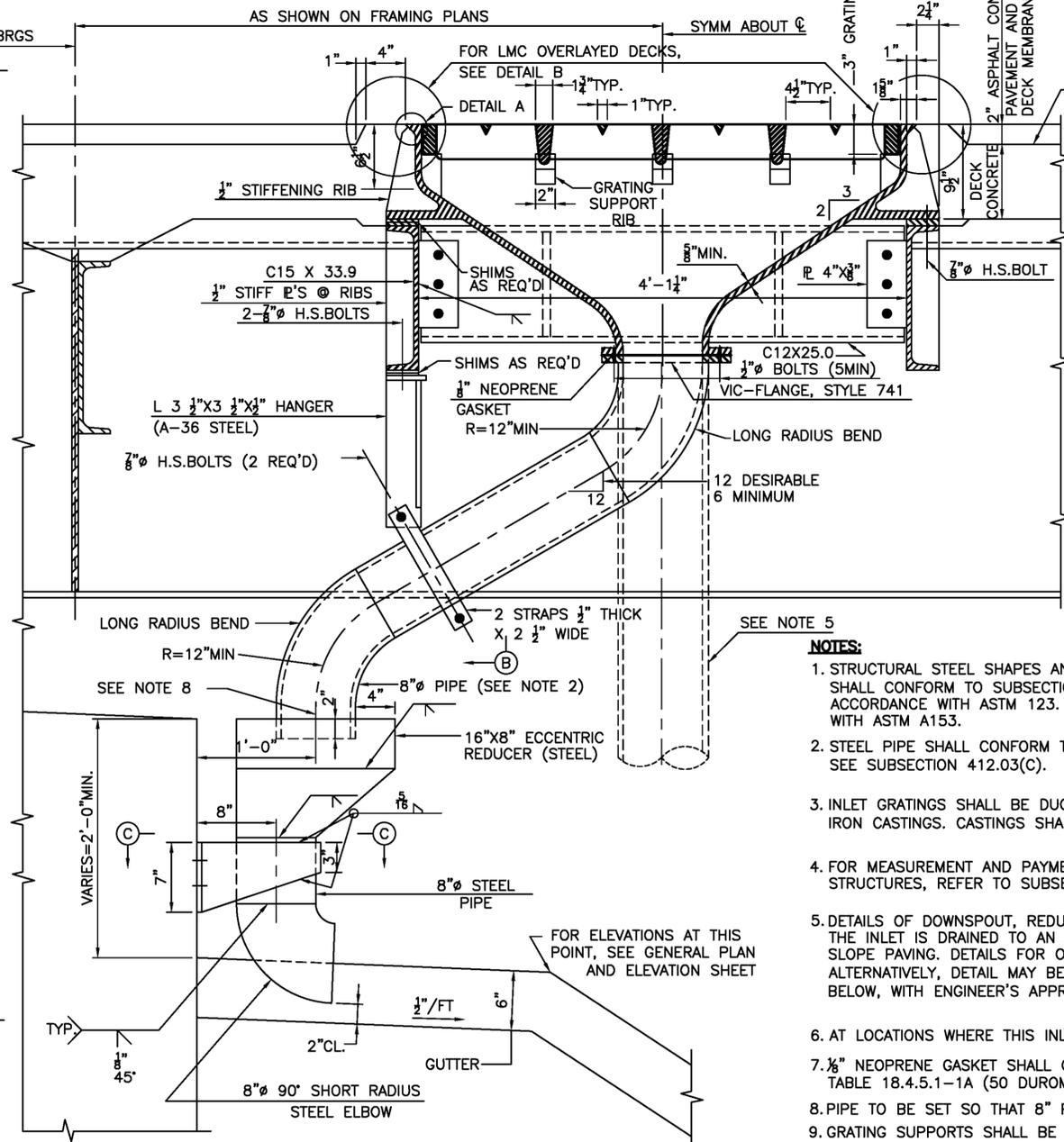
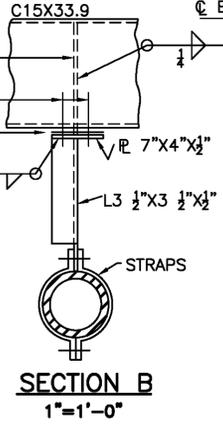
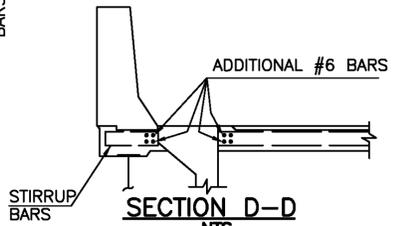
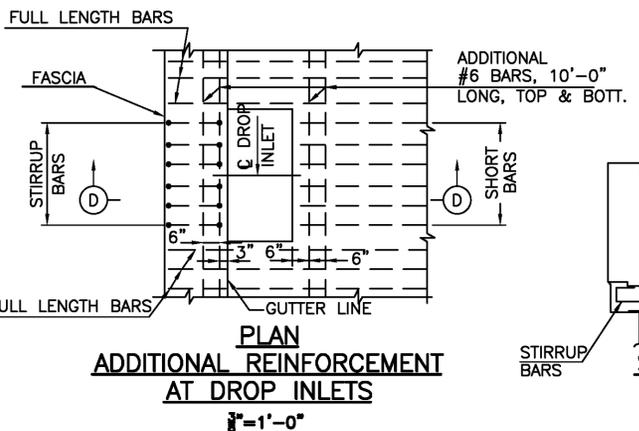
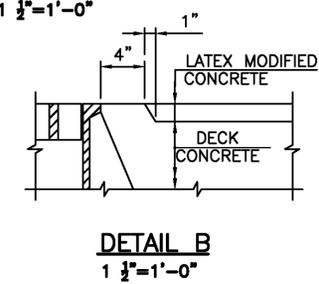
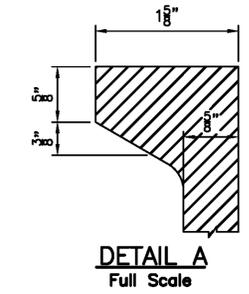
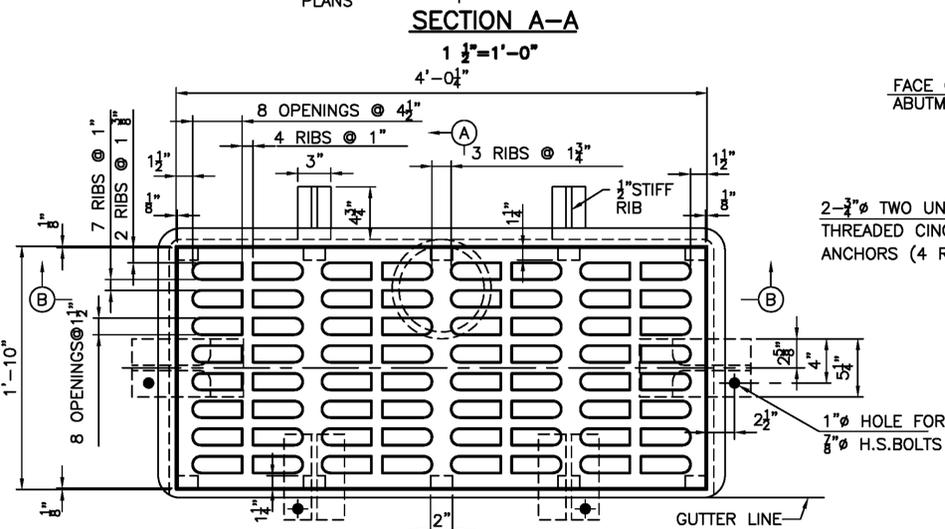


**NOTE (B)**  
 CUT STRINGER FLANGE TO 1" MIN. CLEAR OF INLET CASTING. MAX. CUT SHALL BE TO INSIDE FACE OF STRINGER WEB. RE-ENTRANT CORNERS SHALL BE CUT TO 1" RADIUS. SEE BRIDGE PLANS.

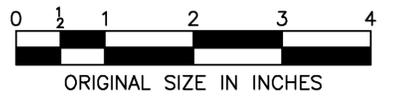
**NOTE (C)**  
 IN TENSILE REGIONS PROVIDE L4"x4"x 1/2" BOLTED TO STRINGER. SEE BRIDGE PLANS.



**8" STEEL DOWNSPOUT CONNECTION TO 12" C.M.P.**  
 SECTION @ C OF PIPE - 1 1/2"=1'-0"



- NOTES:**
- STRUCTURAL STEEL SHAPES AND PLATES SUPPORTING INLET FRAMES AND SCUPPERS SHALL CONFORM TO SUBSECTION 909.01(F), GRADE 50W, AND GALVANIZED IN ACCORDANCE WITH ASTM 123. HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.
  - STEEL PIPE SHALL CONFORM TO SUBSECTION 909.09. FOR ALTERNATE PIPE MATERIAL, SEE SUBSECTION 412.03(C).
  - INLET GRATINGS SHALL BE DUCTILE IRON CASTINGS. INLET FRAMES SHALL BE GRAY IRON CASTINGS. CASTINGS SHALL CONFORM WITH SUBSECTION 909.04(C).
  - FOR MEASUREMENT AND PAYMENT FOR ALL COMPONENTS OF BRIDGE DRAINAGE STRUCTURES, REFER TO SUBSECTIONS 412.04 AND 412.05.
  - DETAILS OF DOWNSPOUT, REDUCER ETC., SHOWN ON THIS DRAWING APPLY ONLY WHERE THE INLET IS DRAINED TO AN ABUTMENT WITH CRUSHED STONE SLOPE PROTECTION OR SLOPE PAVING. DETAILS FOR OTHER LOCATIONS ARE SHOWN ELSEWHERE IN THE PLANS. ALTERNATIVELY, DETAIL MAY BE USED WHERE 8" PIPE DISCHARGES DIRECTLY TO SLOPE BELOW, WITH ENGINEER'S APPROVAL.
  - AT LOCATIONS WHERE THIS INLET CANNOT BE USED, SEE STANDARD DRAWING BR-2B.
  - 1/8" NEOPRENE GASKET SHALL CONFORM TO AASHTO DIVISION 2, SECTION 18, TABLE 18.4.5.1-1A (50 DUROMETER), AND SUBSECTION 923.12.
  - PIPE TO BE SET SO THAT 8" PIPE CENTER LINE MATCHES REDUCER CENTER LINE AT 68".
  - GRATING SUPPORTS SHALL BE MACHINED TO PROVIDE UNIFORM BEARING FOR GRATING ON THE FRAME, SET TO THE PROPER GRADE. SEE SUBSECTION 412.03(B).
  - APPLY SEALER CONFORMING TO SUBSECTION 904.06 BETWEEN ALL INLET AND CONCRETE INTERFACES.



App. No.	DATE	REVISION
1	6/07	REVISED; GRATE TO CONFORM TO NJDEP CRITERIA
	2/05	REISSUED; CONFORMS TO 2004 SPECS

**NEW JERSEY TURNPIKE AUTHORITY**  
**NEW JERSEY TURNPIKE**

**BRIDGE DRAINAGE DETAILS - I**

OFFICE OF THE CHIEF ENGINEER  
 WOODBRIDGE, NEW JERSEY

2004 STANDARD DRAWING  
**BR-2A**