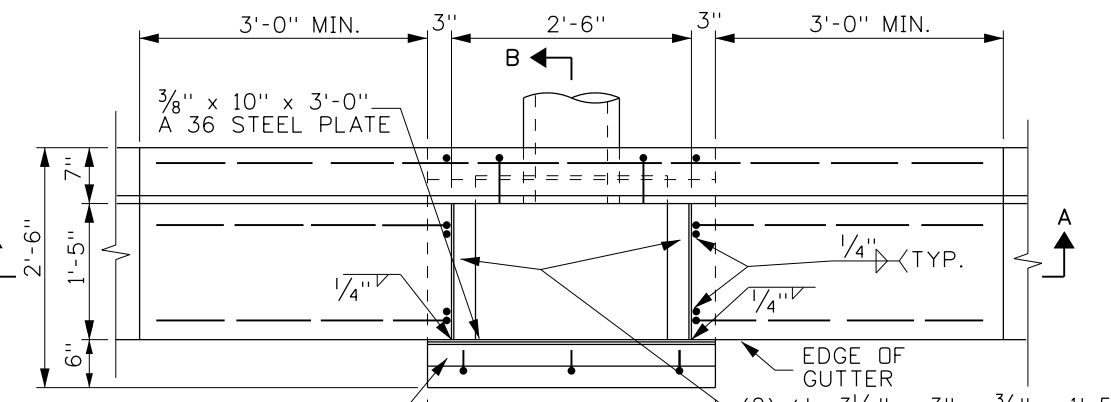
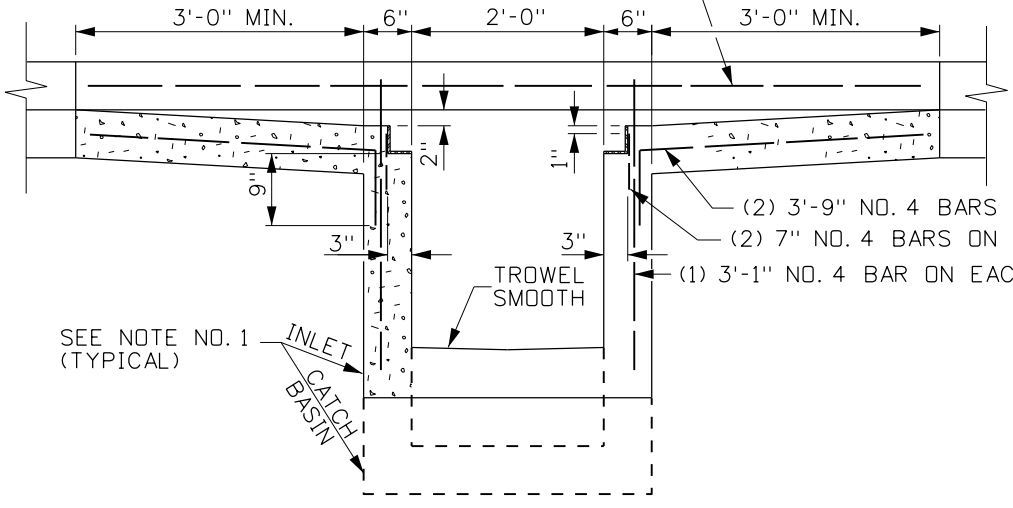


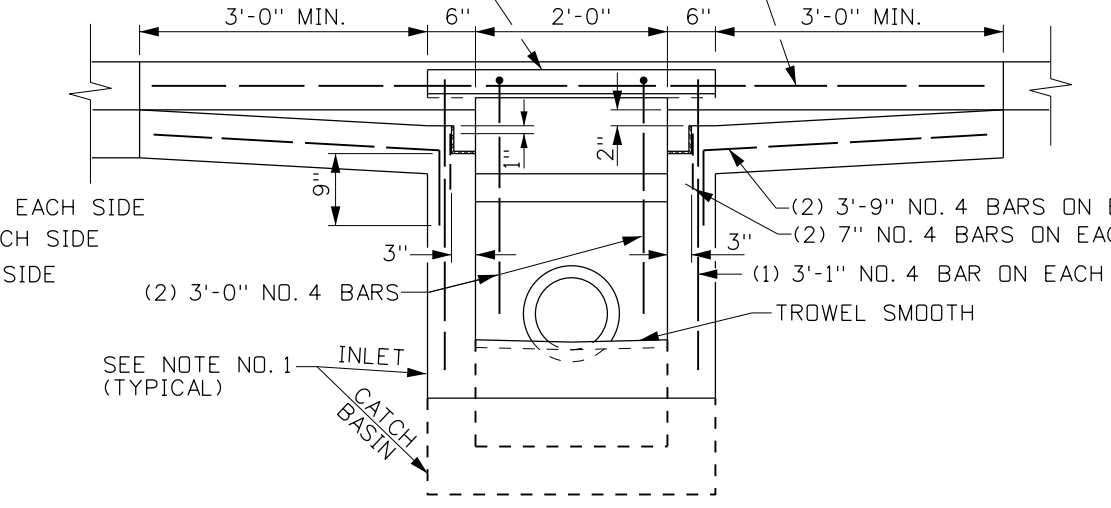
PLAN
 (1) \angle 3 1/2" x 3" x 3/8" x 3'-0"
 3/8" x 10" x 3'-0"
 A 36 STEEL PLATE
 (2) \angle 's 3 1/2" x 3" x 3/8" x 1'-5"



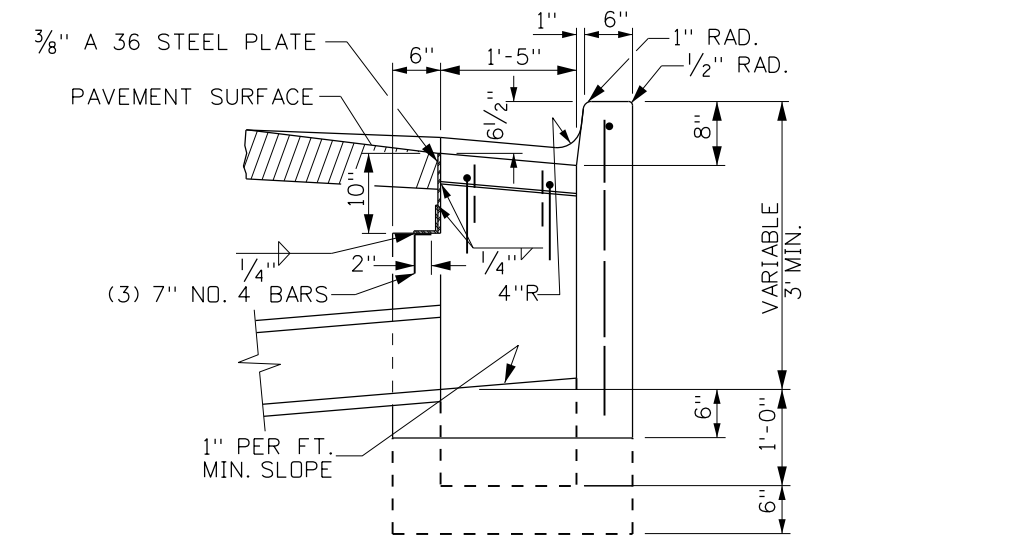
PLAN
 (1) \angle 3 1/2" x 3" x 3/8" x 3'-0"
 3/8" x 10" x 3'-0"
 A 36 STEEL PLATE
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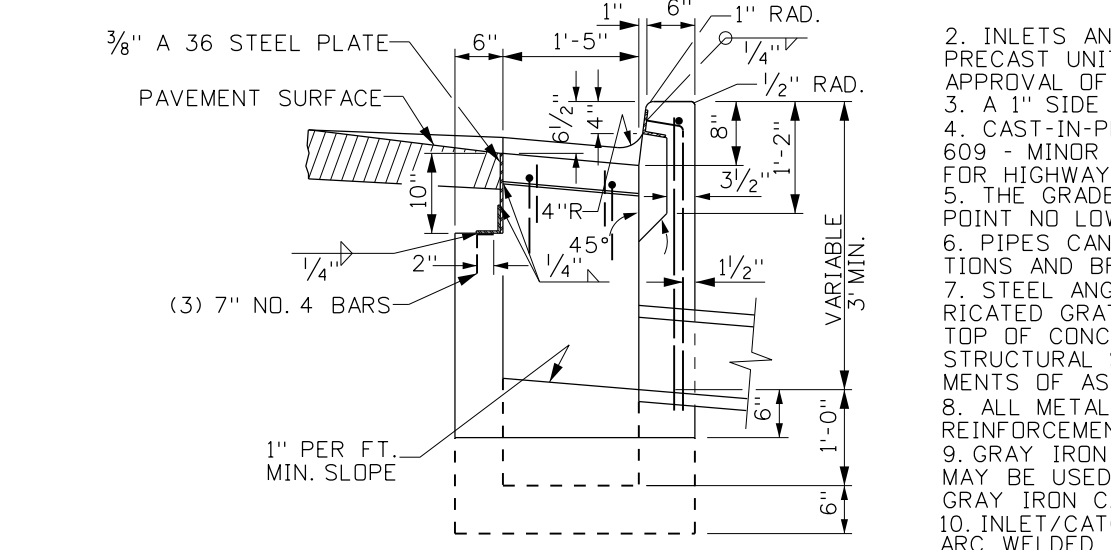
SECTION A-A
 (1) 7" NO. 4 BAR (MIN.)
 (2) 3'-9" NO. 4 BARS ON EACH SIDE
 (2) 7" NO. 4 BARS ON EACH SIDE
 (1) 3'-1" NO. 4 BAR ON EACH SIDE



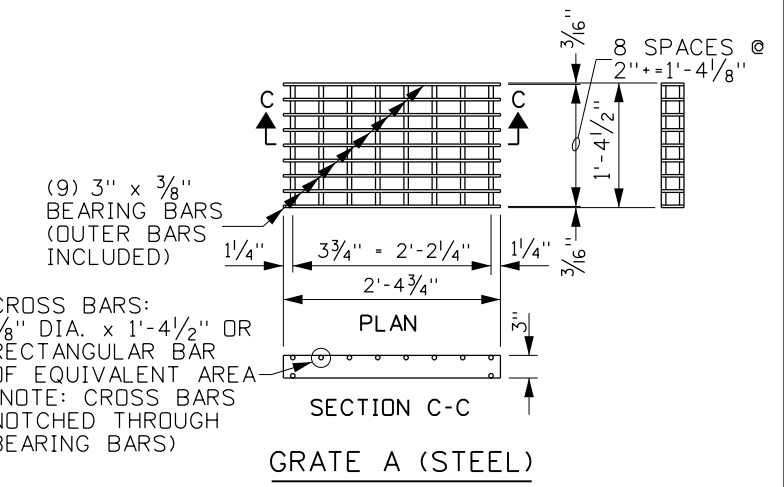
SECTION A-A
 (1) 8'-7" NO. 4 BAR (MIN.)
 (2) 3'-9" NO. 4 BARS ON EACH SIDE
 (2) 7" NO. 4 BARS ON EACH SIDE
 (1) 3'-1" NO. 4 BAR ON EACH SIDE



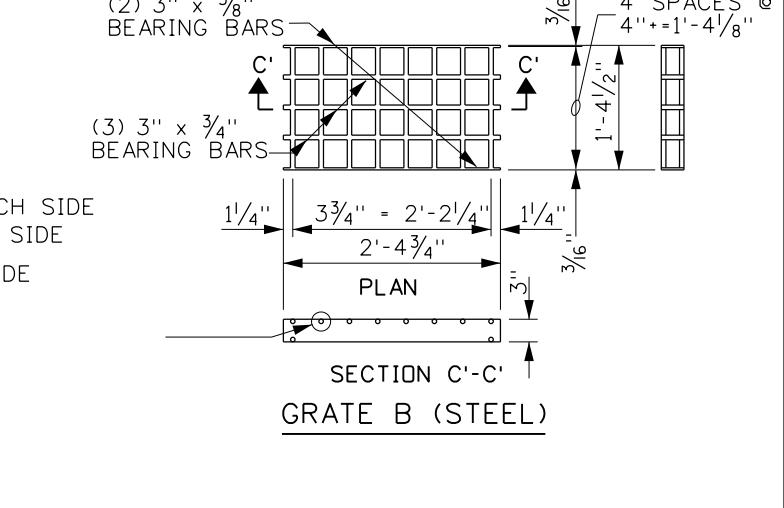
SECTION B-B
 INLET - TYPE 4
 CATCH BASIN - TYPE 4



SECTION B-B
 INLET - TYPE 5
 CATCH BASIN - TYPE 5



SECTION C-C
 GRATE A (STEEL)
 (9) 3" x 3/8" BEARING BARS (OUTER BARS INCLUDED)
 CROSS BARS: 3/8" DIA. x 1'-4 1/2" OR RECTANGULAR BAR OF EQUIVALENT AREA (NOTE: CROSS BARS NOTCHED THROUGH BEARING BARS)



SECTION C-C
 GRATE B (STEEL)
 (2) 3" x 3/8" BEARING BARS
 (3) 3" x 3/4" BEARING BARS

NOTES

- INLETS AND CATCH BASINS MAY BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST UNITS SHALL MEET THE REQUIREMENTS OF ASTM C 913. (PRIOR APPROVAL OF SHOP DRAWINGS WILL BE REQUIRED ON MODIFIED UNITS.)
- A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.
- CAST-IN-PLACE INLETS AND CATCH BASINS SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- THE GRADE LINE OF THE TOP INSIDE OF ANY PIPE SHALL ENTER AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.
- PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.
- STEEL ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE EVEN WITH THE ANGLE/GRATE SURFACE. THE STRUCTURAL STEEL NEED NOT BE PAINTED BUT SHALL MEET THE REQUIREMENTS OF ASTM A 36.
- ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES.
- GRAY IRON CAST TO THE DIMENSIONS GIVEN FOR THE STEEL GRATES MAY BE USED. THE CASTINGS SHALL CONFORM TO AASHTO M306 CLASS 35B GRAY IRON CASTINGS.
- INLET/CATCH BASIN GRATES MAY EITHER BE RESISTANCE WELDED OR ARC WELDED. IN EITHER CASE THE GRATE SHALL BE TRUE AND FLUSH.
- GRATE B WILL BE USED ONLY WHEN SPECIFIED.
- NOT TO SCALE.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

ORIGINAL SIGNED BY: DATE
 TED E. MASON
 NOVEMBER 3, 2008

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	10-80		6	06-97	MSM		
2	04-82		7	03-01	MSM		
3	03-84		8	12-04	MSM		
4	01-89		9	11-08	JRV		
5	12-94	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 605-22_1108.dgn
 DRAWING DATE: NOVEMBER, 1969

IDAHO TRANSPORTATION DEPARTMENT
 BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
 ASSISTANT CHIEF ENGINEER (DEVELOPMENT)
 ORIGINAL SIGNED BY: TOM COLE
 CHIEF ENGINEER

STANDARD DRAWING
 INLETS & CATCH BASINS
 TYPES 4 & 5

English
 STANDARD DRAWING NO.
 605-22
 SHEET 1 OF 1