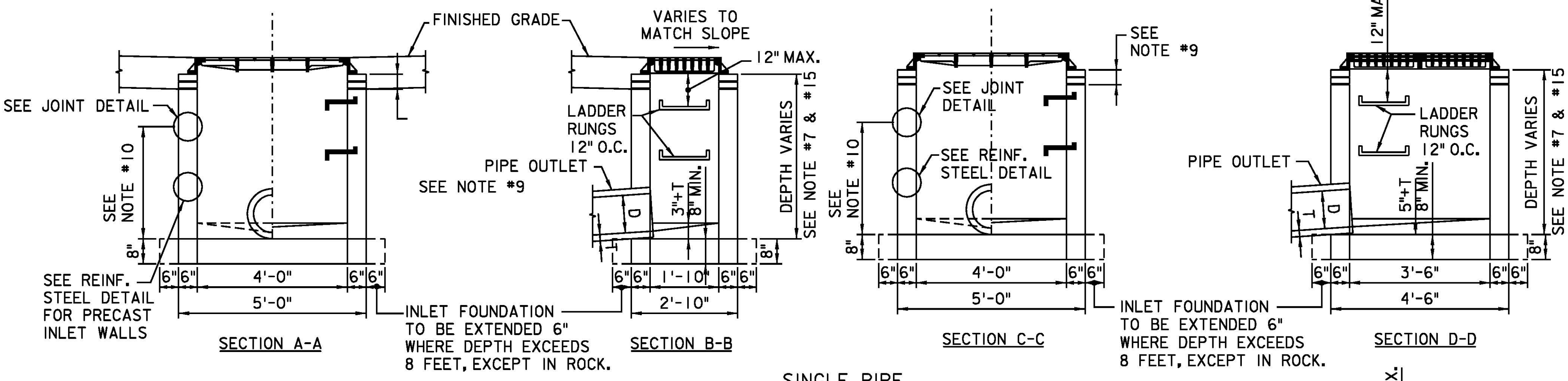


MEDIAN INLET PLACEMENT AT TWO WAY RAMPS

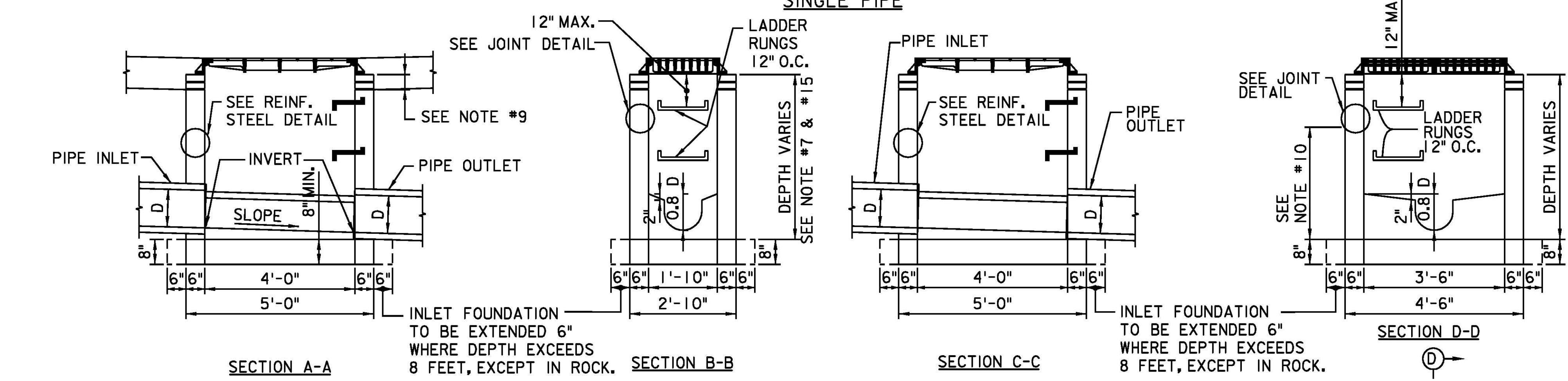
NOTE:
A. SEE INLET, TYPE D-1 FOR DIMENSIONS AND DETAILS.

B. HOT POURED JOINT SEALER AND EQUALIZER PIPE TO BE INCLUDED IN THE COST OF D-1 INLET.

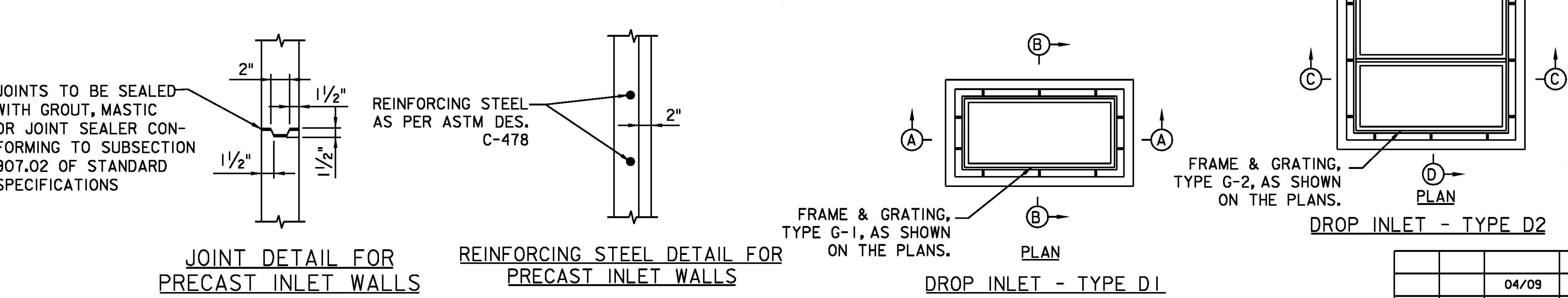
DROP INLET D3



SINGLE PIPE



MULTIPLE PIPE



- NOTES:**
- WALLS OF DROP INLETS SHALL BE 6" THICK & BE CONSTRUCTED OF EITHER (A) CLASS A CONCRETE WITH AIR ENTRAINMENT, CAST IN PLACE OR PRECAST. OR (B) SOLID CONCRETE BLOCK.
 - BASES OF DROP INLETS TO BE SITE CONSTRUCTED OF CLASS "D" CONCRETE WITH AIR ENTRAINMENT; OR PRECAST-CLASS A, WITH AIR ENTRAINMENT.
 - LADDER RUNGS TO BE PROVIDED IN ALL DROP INLETS OVER 4' DEEP.
 - PIPES MAY ENTER OR LEAVE DROP INLETS IN ANY DIRECTION, AS INDICATED ON THE PLANS.
 - STUB UNDERDRAIN TO BE PROVIDED AT EVERY INLET AND TO BE PAID FOR AS 10 LIN. FT. OF 8" PIPE UNDERDRAIN EXCEPT WHERE A REGULAR UNDERDRAIN SYSTEM IS USED.
 - ALL INTERIOR JOINTS TO BE POINTED FULL AND FLUSH.
 - WHERE DEPTH OF RECTANGULAR CONCRETE BLOCK DROP INLETS EXCEED 10 FEET, WALL THICKNESS BELOW THE 8 FEET DEPTH SHALL BE 1'-0". MAXIMUM DEPTH OF CONCRETE BLOCK DROP INLETS TO BE 13 FEET.
 - FOR FRAME AND GRATING DETAILS, SEE STANDARD DRAWING DR-2.
 - ADJUST TO GRADE WITH CONCRETE BLOCK OR BRICK AS REQUIRED, (12" MAX.), WHEN USING BRICK.
 - BOTTOM SECTION OF PRECAST INLET WALLS TO BE A MAXIMUM OF 8'-0" FROM OUTLET PIPE INVERT TO TOP OF JOINT.
 - FRAMES TO BE SET IN FULL BED OF STIFF MORTAR. (SEE STD. DWG. DR-2)
 - FOR LADDER RUNG DETAILS, SEE STD. DWG. DR-3.
 - INLET CHANNEL CAN BE FORMED CONCRETE OR A COMPOSITE OF POURED CONCRETE AND CONCRETE BLOCK.
 - INVERT OF UNDERDRAIN PIPE NOT TO BE LOWER THAN THE TOP (INSIDE DIAMETER) OF THE OUTLET PIPE.
 - MINIMUM WALL REINFORCEMENT FOR PRECAST INLETS:

DEPTH BELOW TOP OF GRATE	HORIZONTAL REINF.	VERTICAL REINF.	WALL THK.
0' TO 10'-0"	#4 @ 10" C.C.	#4 @ 18" C.C.	6"
10'-1" TO 15'-0"	#4 @ 8" C.C.	#4 @ 18" C.C.	6"
15'-1" TO 20'-0"	#4 @ 6" C.C.	#4 @ 18" C.C.	6"

REINFORCING SHOWN FOR PRECAST INLETS IS THE MINIMUM REQUIRED. ADDITIONAL REINFORCING FOR HANDLING IS THE RESPONSIBILITY OF THE CONTRACTOR

WWF REINFORCEMENT

0' TO 10'-0"	WWF 3 X 6 W6 WIRES SPACED AT 3" TO RUN HORIZONTAL IN ALL CASES.
10'-1" TO 15'-0"	WWF 3 X 6 W6 ADD #3 BAR @ 18" HORIZONTAL
15'-1" TO 20'-0"	WWF 3 X 6 W6 ADD #3 BAR @ 9" HORIZONTAL OR ADD #4 BAR @ 15" HORIZONTAL

- NO INLETS OR MANHOLES SHALL BE LOCATED IN THE TRAVEL LANES. WHEN LOCATED IN SHOULDERS, ONLY SNOW INLETS AT LOW POINTS SHALL BE PLACED.
- GUTTER INLETS SHALL BE RECESSED 3 FEET FROM THE GUTTERLINE-EDGE OF PAVEMENT MEASURED FROM THE CENTERLINE OF THE GRATE.

NEW JERSEY TURNPIKE AUTHORITY

DROP INLETS DETAILS

OFFICE OF THE CHIEF ENGINEER

2009 STANDARD DRAWING

DR-1

App.	No.	DATE	REVISION
		04/09	ORIGINAL DRAWING