



ALL JUNCTION BOXES SHALL HAVE A MANHOLE ACCESS. SEE DETAILS C06.01 & 633.03. TOP TO READ "STORM" & "DRAINS TO WATERWAY"

PS1-PF STEPS PROVIDED BY PRECAST MANUFACTURER OR M.A. INDUSTRIES. SEE DETAIL C06.04. MUST MEET OSHA REQUIREMENTS.

MAX. 8" WITH OUT ENGINEER'S APPROVAL  
 MIN. 12" CLEAR FROM INSIDE TOP OF PIPE TO BOTTOM CONC. TOP  
 FOR PRECAST BOXES, JOINTS TO BE SEALED WITH BUTYL RUBBER JOINT SEALANT

FILL OPENING WITH GROUT PER DETAIL 639.01

**NOTES:**

1. Use either concrete building brick - ASTM C55, grade N, type 1 or clay brick - ASTM C32, grade MS.
2. Mortar to be type M.
3. Concrete pipe to be class III.
4. Reinforcing shown is adequate for a maximum clear span of 4' based on 200 PSF live load plus weight of top (Non traffic). NCPE to design for loads & spans that are greater.
5. Precast boxes to conform to latest ASTM C-913.
6. All boxes over 3'-6" in depth shall be provided with steps (12" O.C.).
7. Provide 2' diameter opening and additional edge & diagonal reinforcing in concrete top at Manhole frame access.
8. Top of precast box to be field adjusted using methods outlined in specifications.
9. This detail is a representation of the minimum standards for Town of Clayton manhole junction box. Refer to NCDOT Std. Details 840.00, 840.31, 840.32, 840.34, 840.45, 840.46, 840.51, 840.52, & 840.53 for additional details and requirements.



**TOWN of CLAYTON**  
 USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

**TYPICAL JUNCTION BOX  
 DETAIL**

SCALE: Not To Scale	DETAIL # 2 634.01
REVISION DATE: July, 2010	SHEET #: 1 of 1