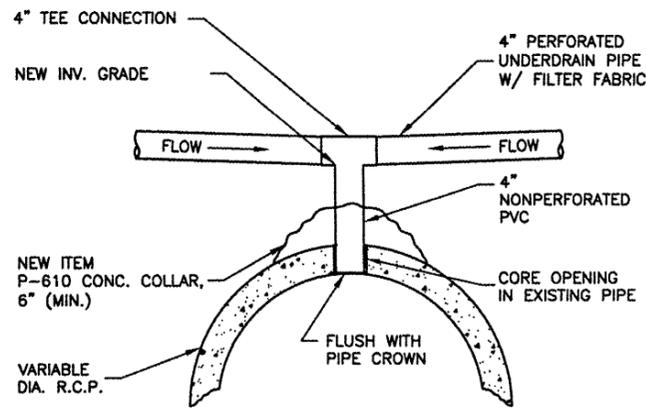


SIDE VIEW

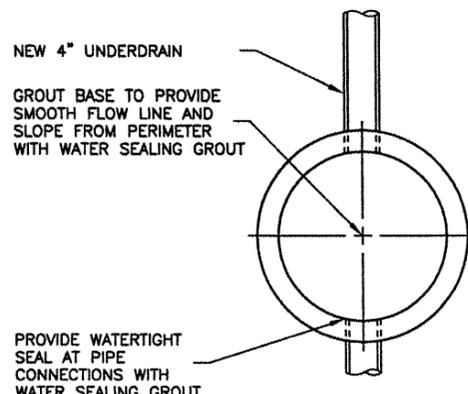
UNDERDRAIN CLEAN-OUT DETAIL (TYPE 1)

N.T.S.



UNDERDRAIN DIRECT TOP CONNECTION DETAIL

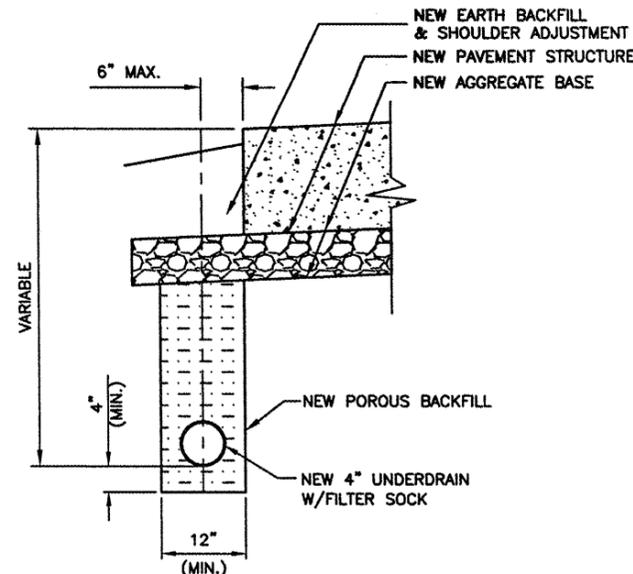
N.T.S.



PLAN

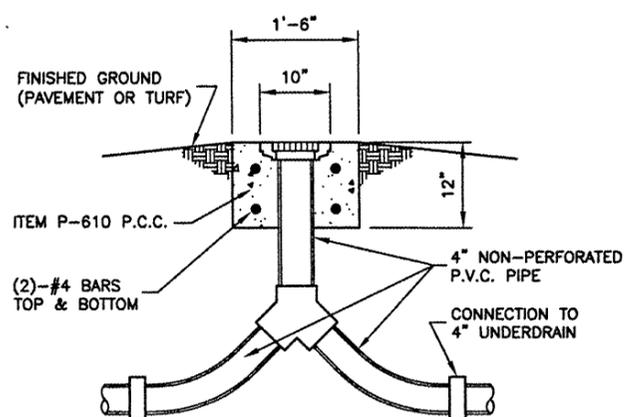
UNDERDRAIN CLEAN-OUT DETAIL

N.T.S.



**TYPICAL UNDERDRAIN DETAIL
PAVEMENT EDGE**

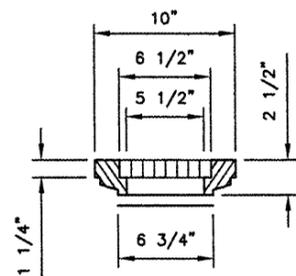
N.T.S.



SIDE VIEW

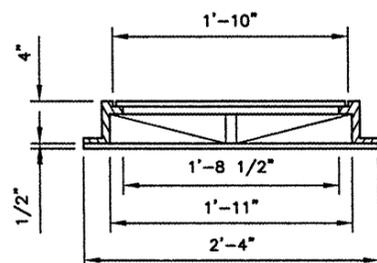
UNDERDRAIN CLEAN-OUT DETAIL (TYPE 2)

N.T.S.



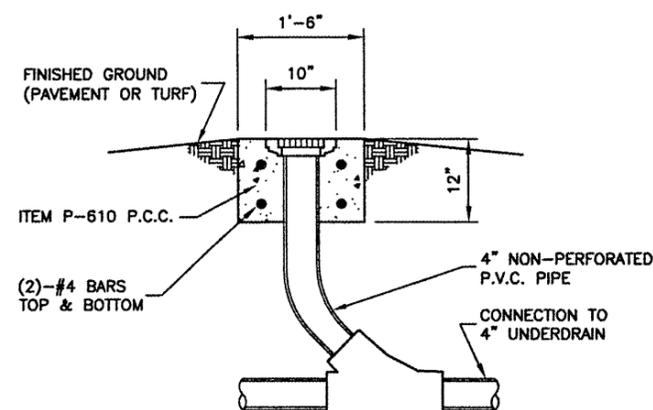
CAST IRON FRAME & COVER
(SIMILAR TO NEENAH R-6013
OR APPROVED EQUAL)

FRAME & COVER



CAST IRON FRAME & LID (SIMILAR
TO NEENAH R-1690-A HEAVY DUTY
OR APPROVED EQUAL)

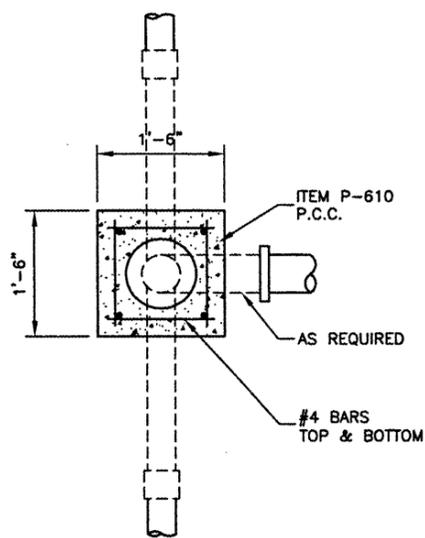
FRAME & LID



SIDE VIEW

UNDERDRAIN CLEAN-OUT DETAIL (TYPE 3)

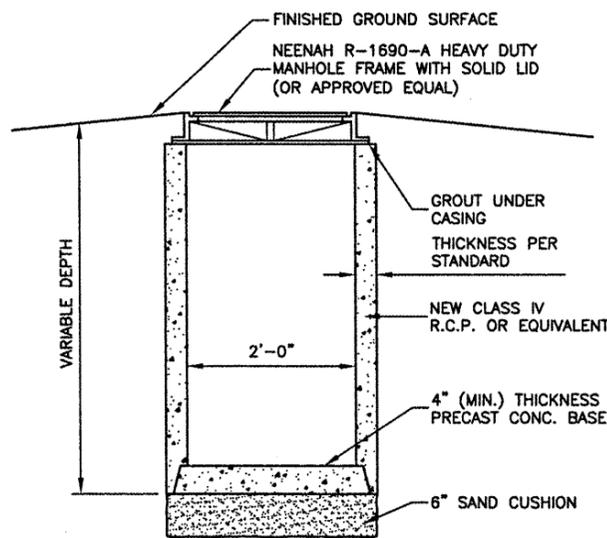
N.T.S.



PLAN

UNDERDRAIN CLEAN-OUT DETAIL

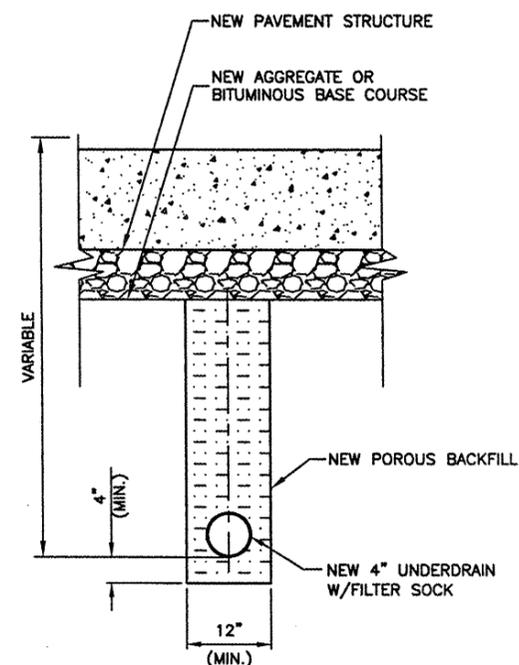
N.T.S.



SIDE VIEW

UNDERDRAIN COLLECTION STRUCTURE DETAIL

N.T.S.



**TYPICAL UNDERDRAIN DETAIL
BELOW PAVEMENT**

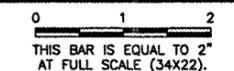
N.T.S.

UNDERDRAIN NOTE

DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE SUB-BASE AND THE POROUS BACKFILL MATERIAL WHICH WILL AFFECT DRAINAGE TO THE UNDERDRAIN SHALL BE REMOVED PRIOR TO THE PLACEMENT OF PROPOSED POROUS BACKFILL. ALL COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL.

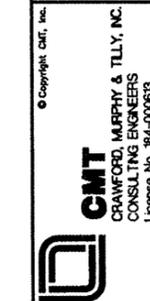
CA008

REVISIONS		
NUMBER	BY	DATE



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

RECONSTRUCT AND EXPAND THE SOUTHEAST RAMP
UNDERDRAIN DETAILS



DESIGN BY: RLV/KLB

DRAWN BY: CMT

CHECKED BY: *RLV*

APPROVED BY: *RLV*

DATE: JANUARY 27, 2009

JOB No: 08035-08

IL PROJ. NO. SPI-3885

AIP PROJ. NO. 3-17-0096-XX

SHEET 24 OF 40 SHEETS