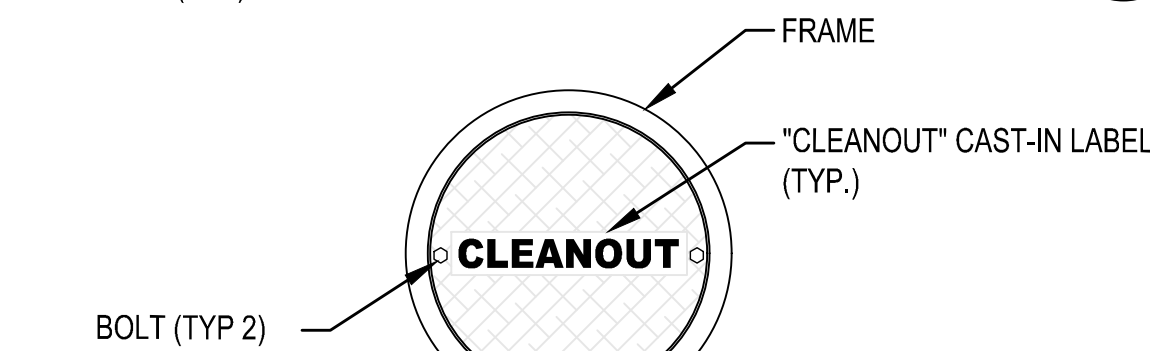
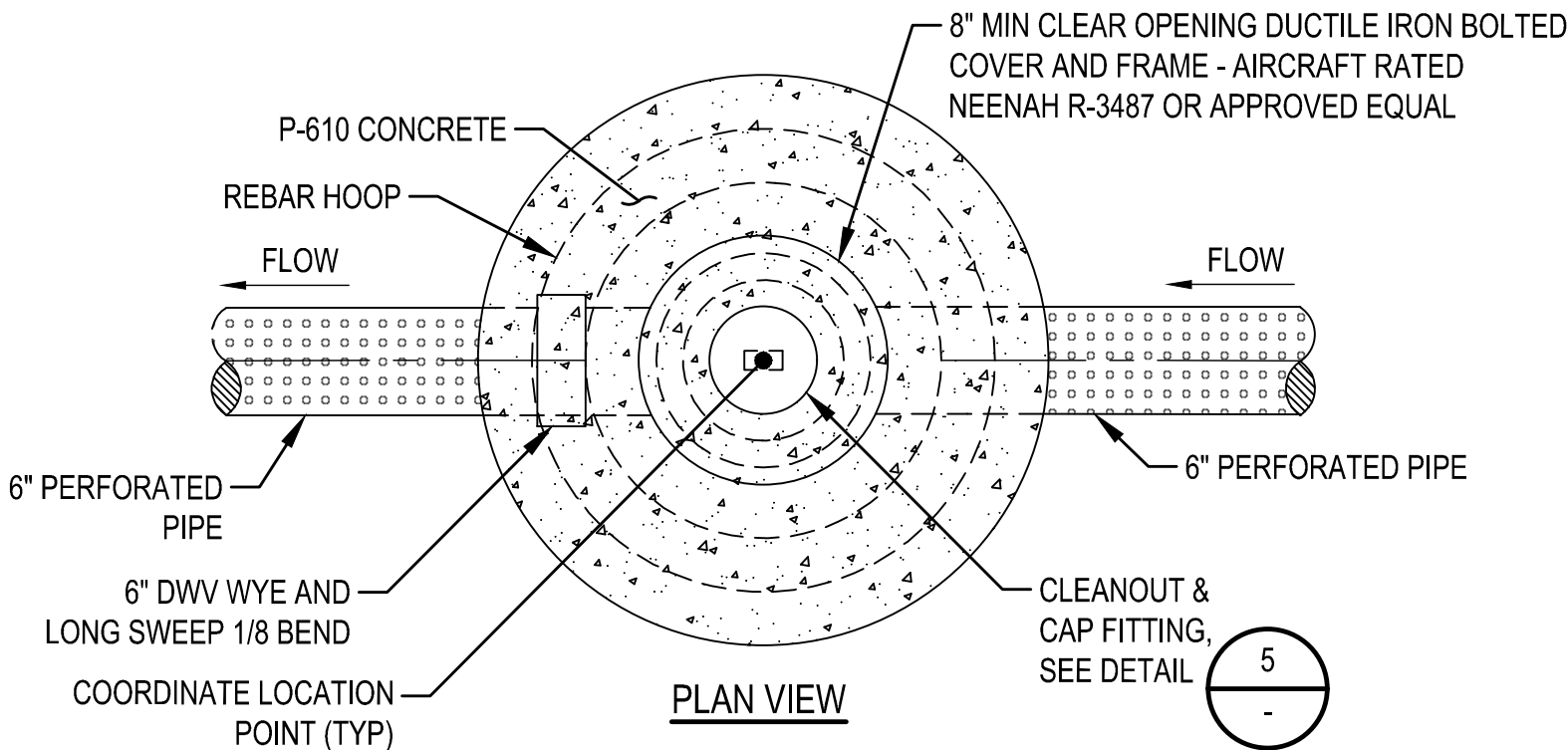
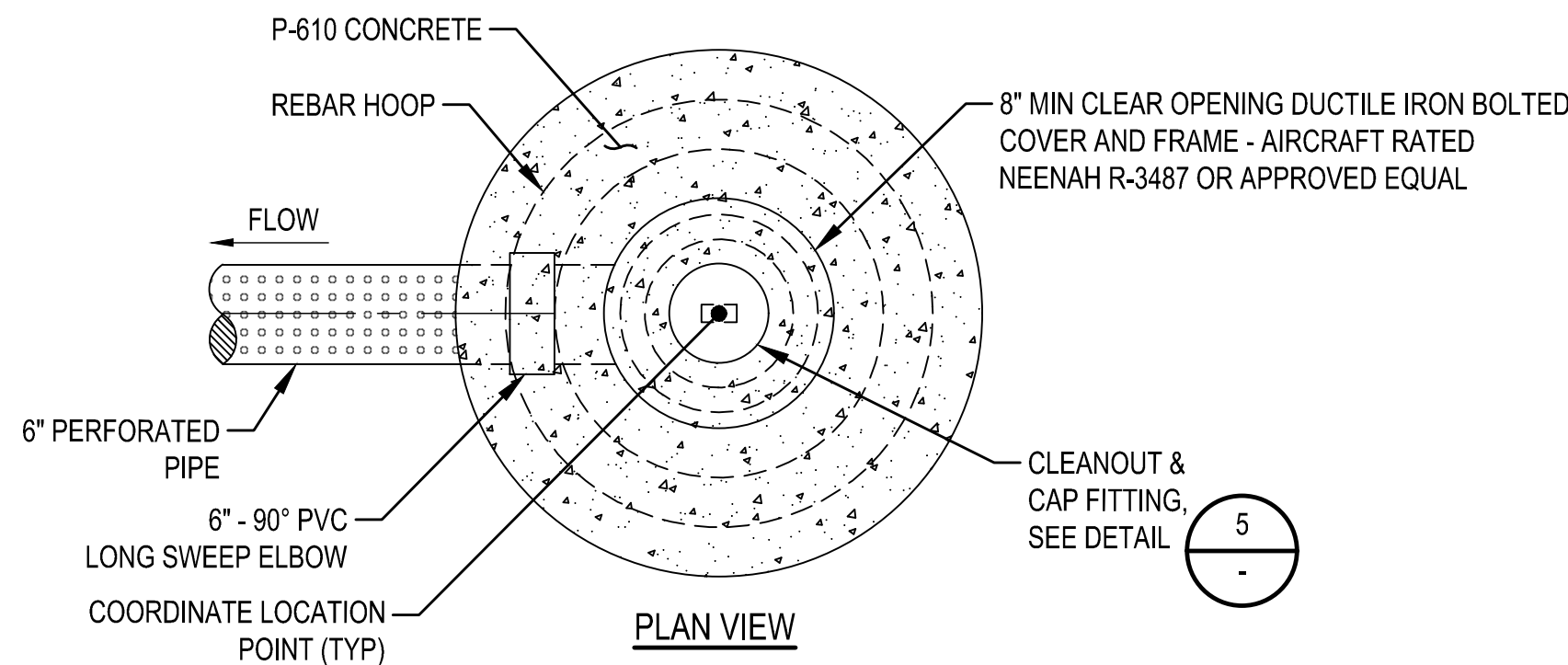


- NOTE:
- FOR PAVEMENT STRUCTURE SEE TYPICAL PAVEMENT SECTIONS DWGS C4.50 TO C4.52.
  - SEE SHEET C6.01 THRU C6.16 FOR SURFACE DRAIN INVERT ELEVATIONS.
  - AT CLEAN-OUT, CUT 2" HOLE IN GEOTEXTILE FABRIC FOR DRAIN PIPE PENETRATION.

SUBSURFACE DRAIN DETAIL

SCALE: N.T.S.

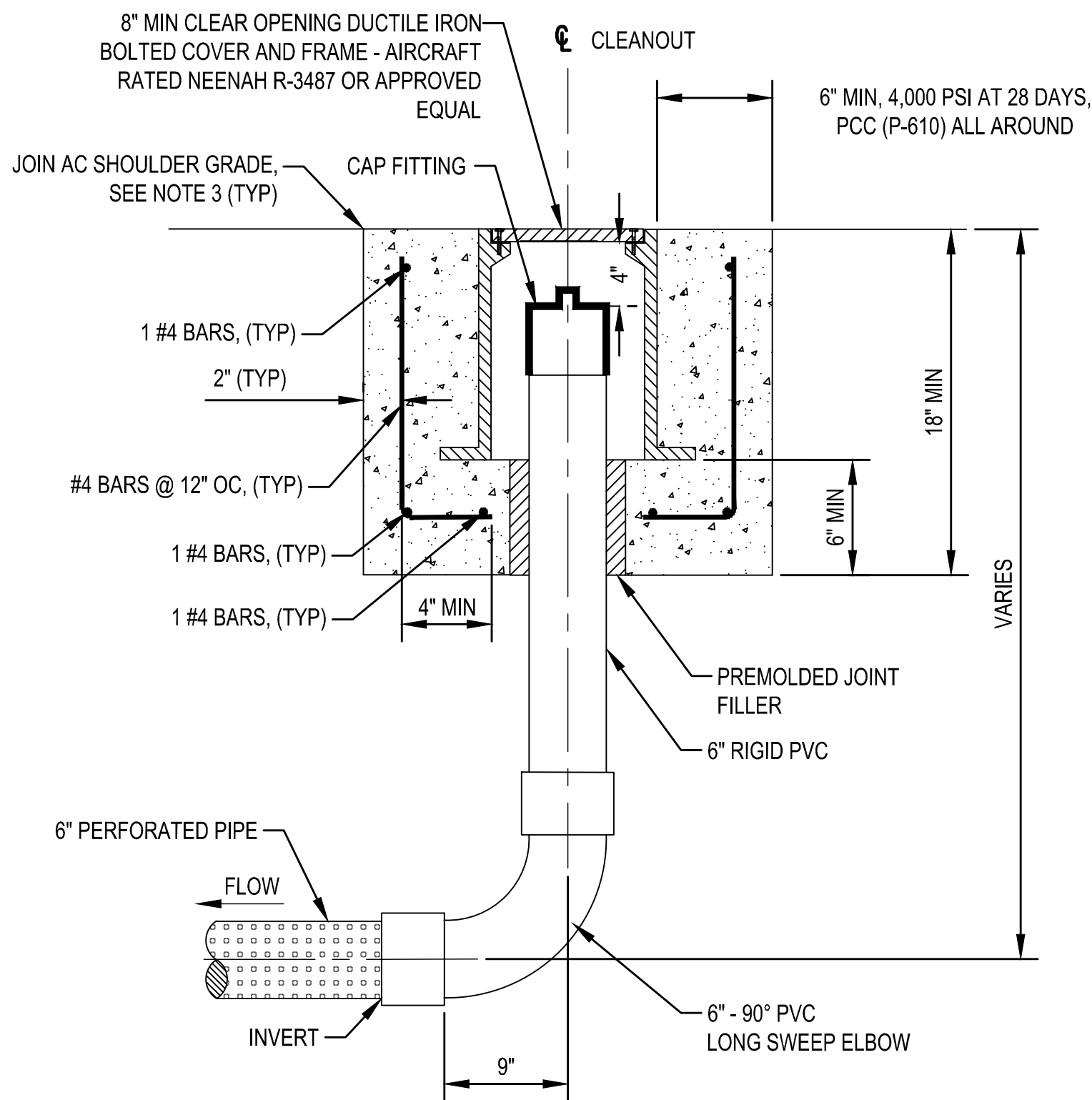
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CLEANOUT CAP DETAIL

SCALE: N.T.S.

5  
-

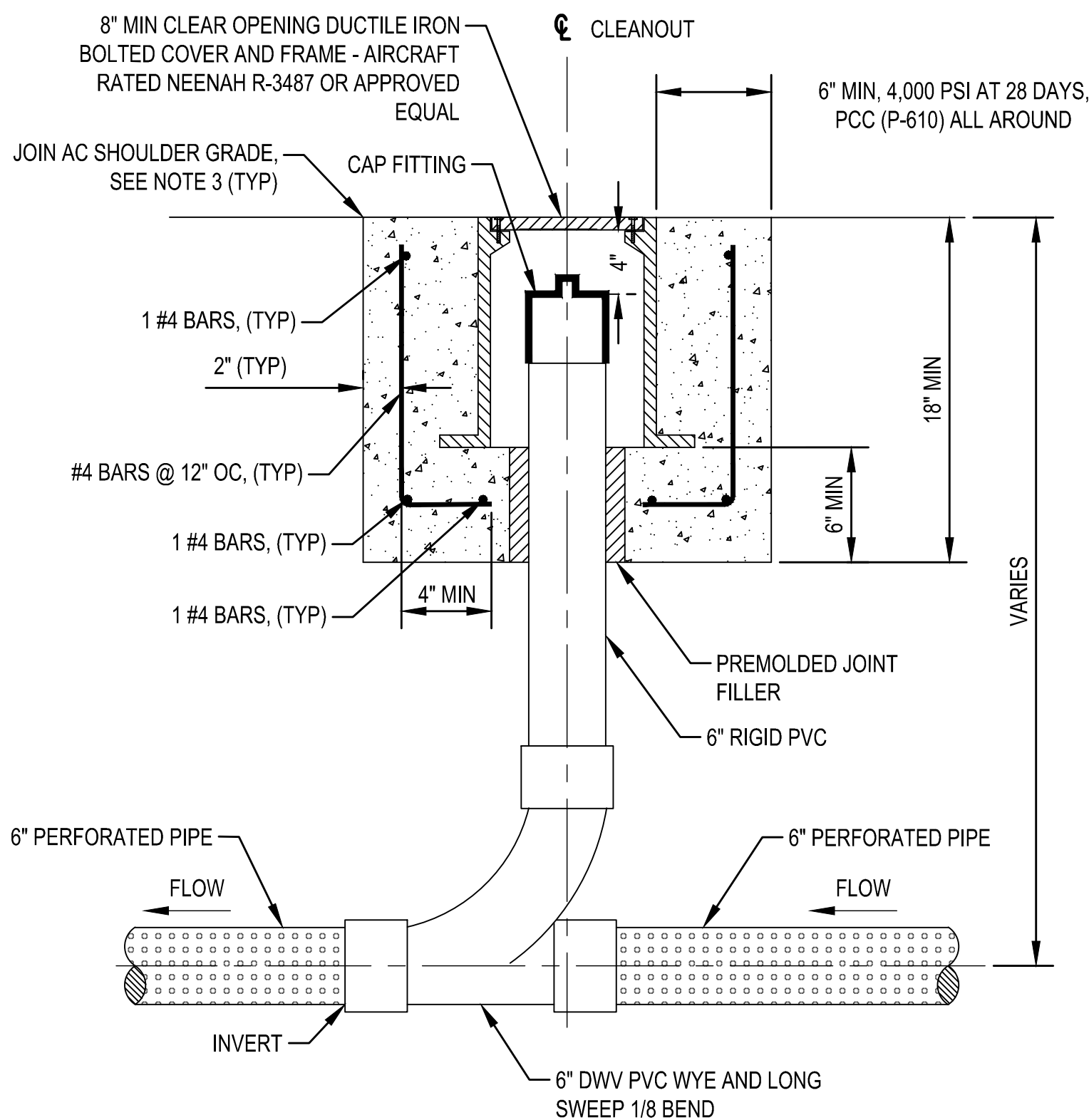


ELEVATION VIEW

TYPE I CLEANOUT (END OF LINE HIGH POINT)

SCALE: N.T.S.

3  
-

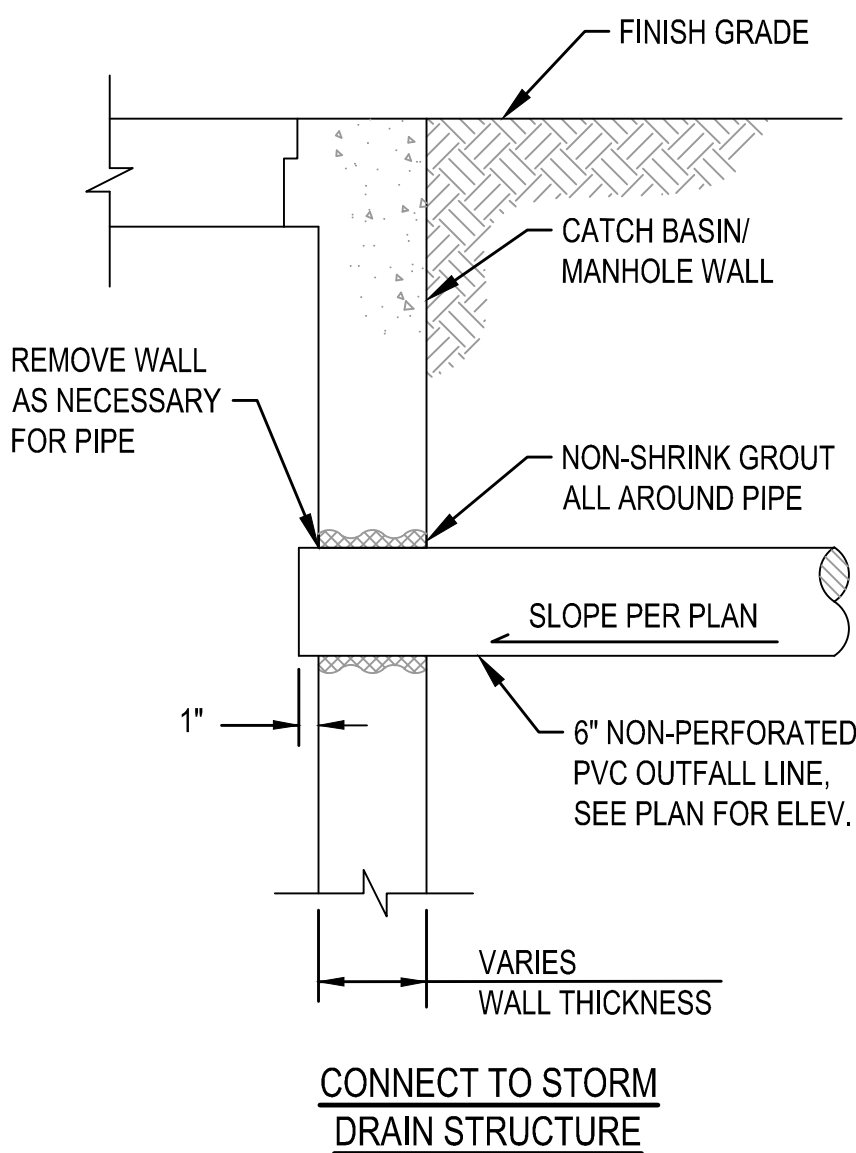


ELEVATION VIEW

TYPE II CLEANOUT (IN LINE)

SCALE: N.T.S.

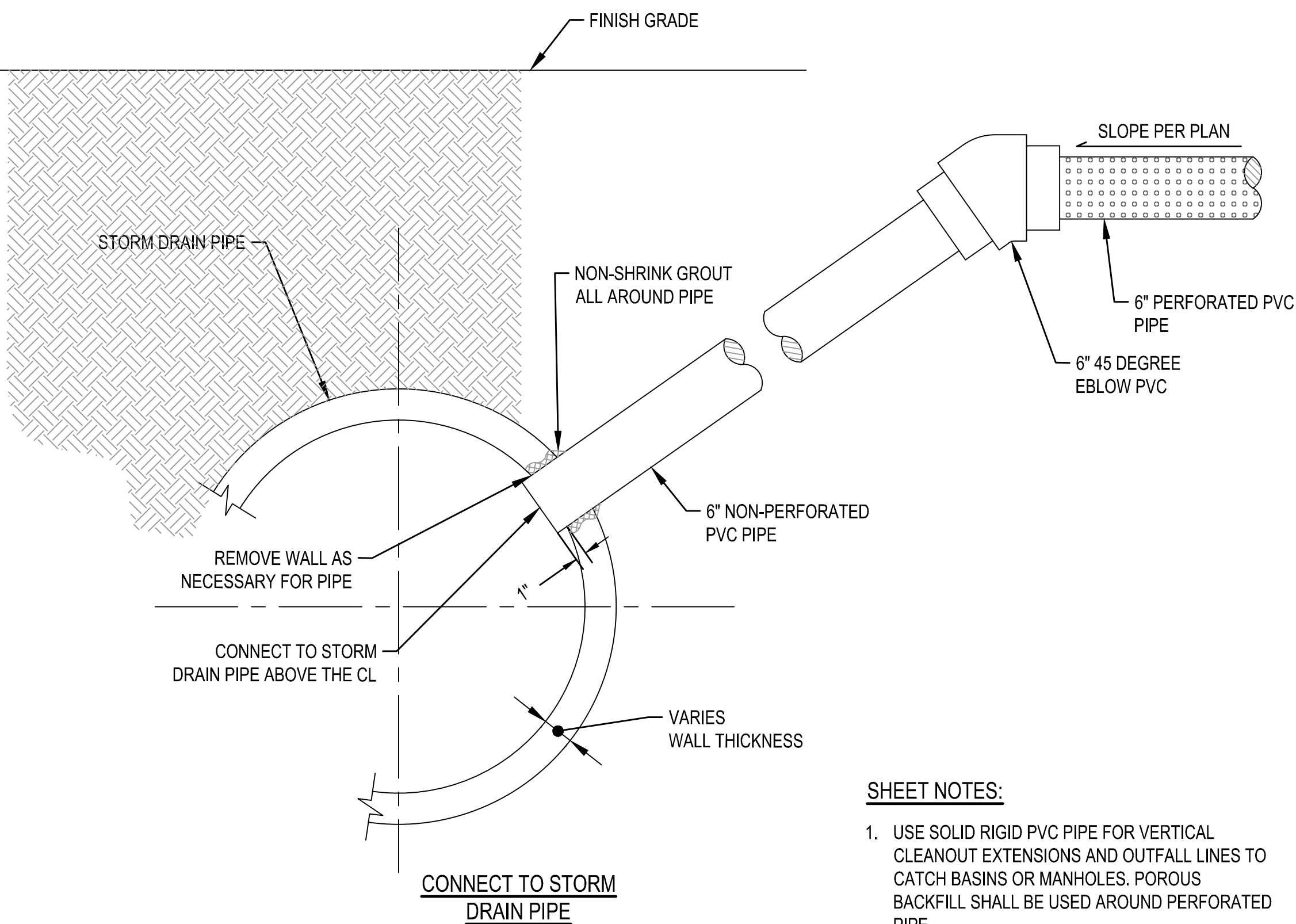
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SUBDRAIN CONNECTION

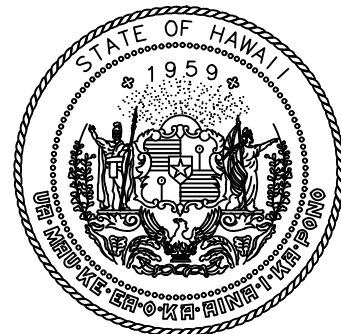
SCALE: N.T.S.

2  
-

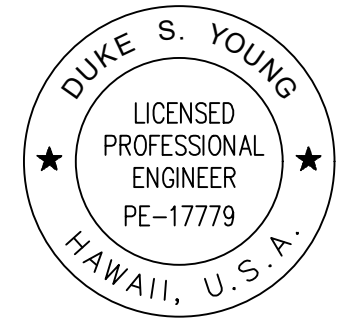


SHEET NOTES:

- USE SOLID RIGID PVC PIPE FOR VERTICAL CLEANOUT EXTENSIONS AND OUTFALL LINES TO CATCH BASINS OR MANHOLES. POROUS BACKFILL SHALL BE USED AROUND PERFORATED PIPE.
- FOR TYPICAL PAVEMENT SECTIONS, SEE DWGS C4.50 TO C4.52.
- ALL NON-PERFORATED AND PERFORATED PVC PIPE SHOULD BE SCHEDULE 40 PVC.



Airports Division  
DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII



*Duke Young* 4/30/24  
DUKE YOUNG, PE  
CIVIL ENGINEER  
Expiration Date

DSGN.	DRWN.	CHKD.	APPD.
HF	HT	JB	DY

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
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CONSTRUCTION DOCUMENTS

JULY 2022  
DATE

PROJECT TITLE :

RELOCATE  
RUNWAY 3-21

AT  
LIHUE AIRPORT  
LIHUE, KAUAI, HAWAII

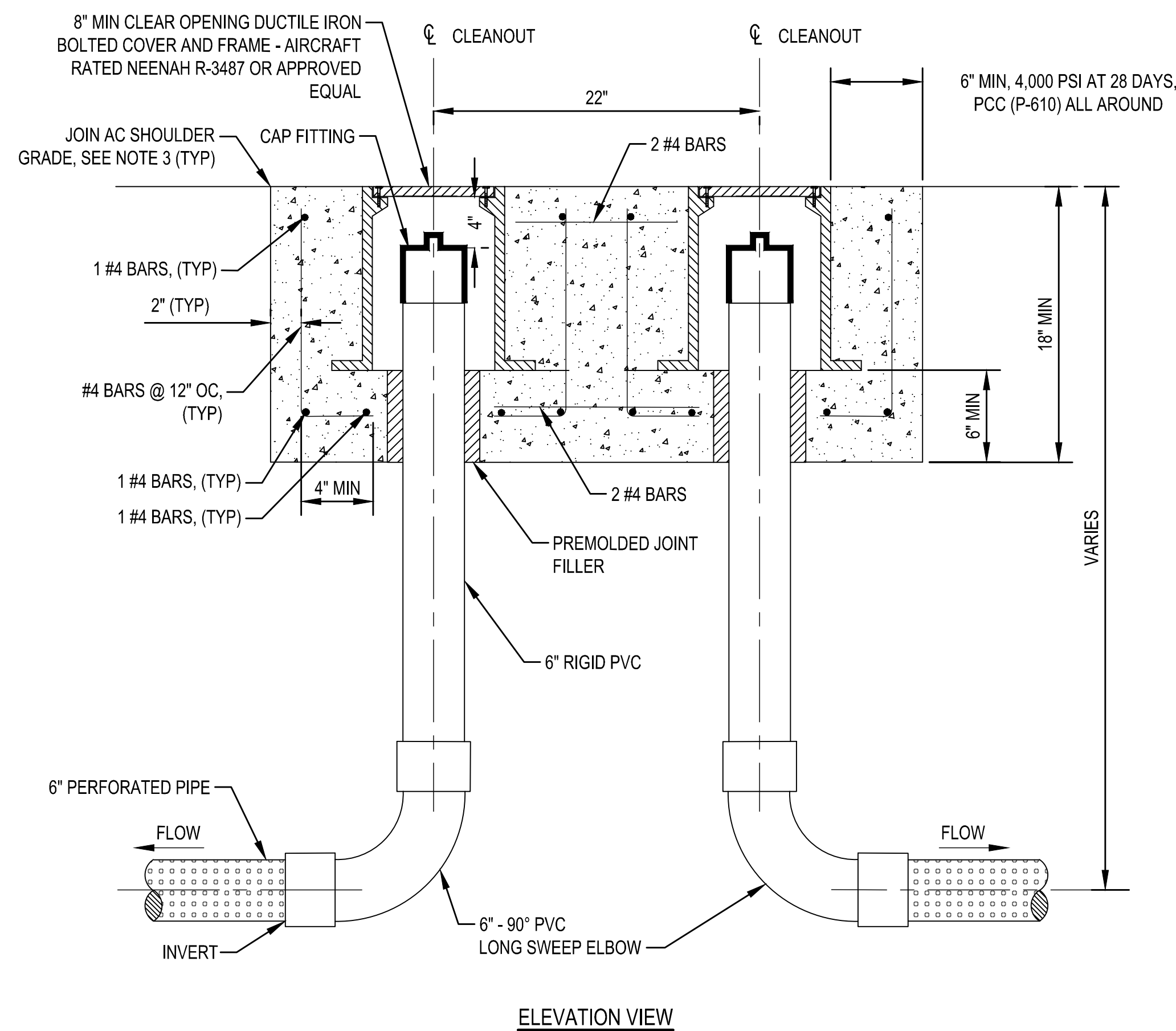
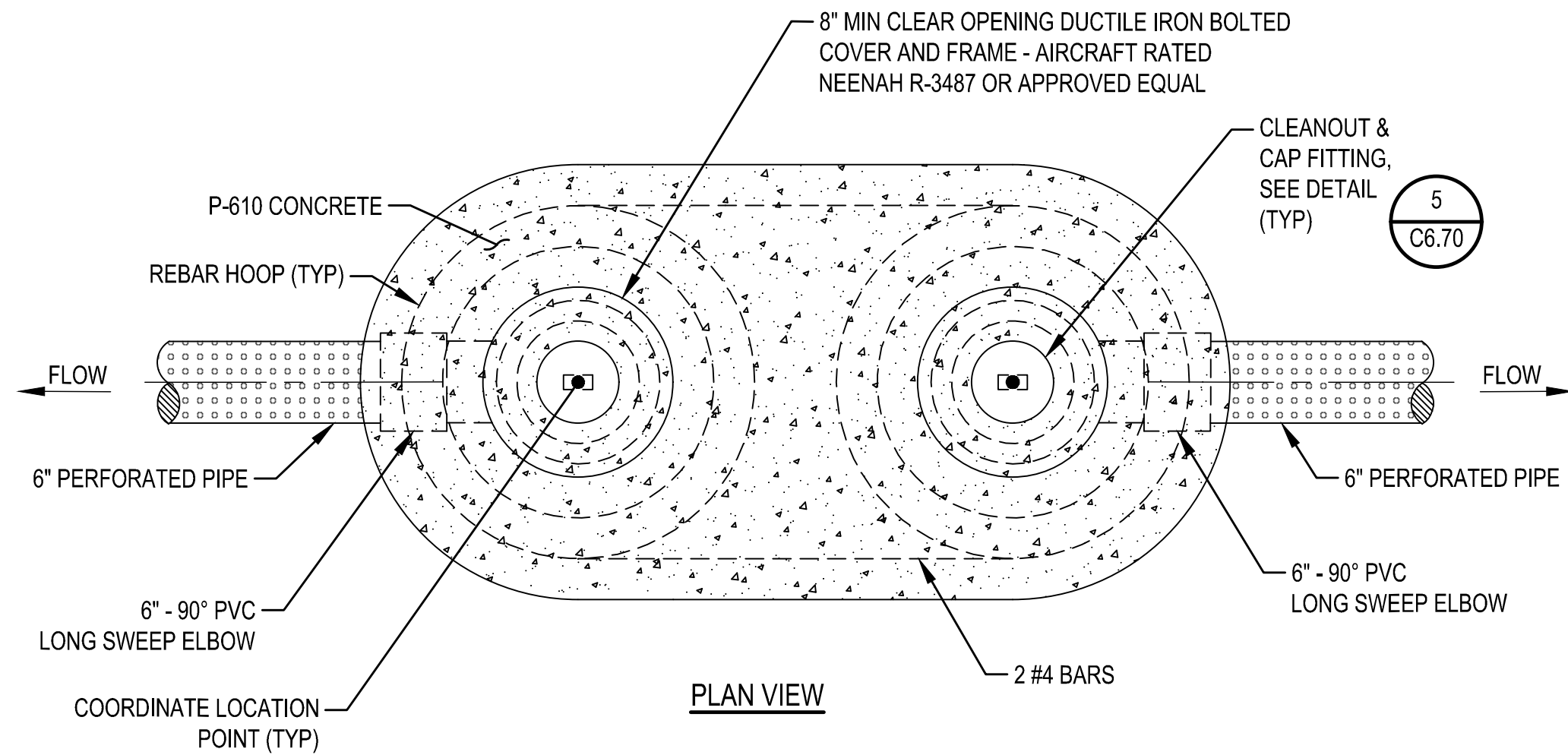
PROJECT NO.:

AK1031-14

SHEET TITLE:

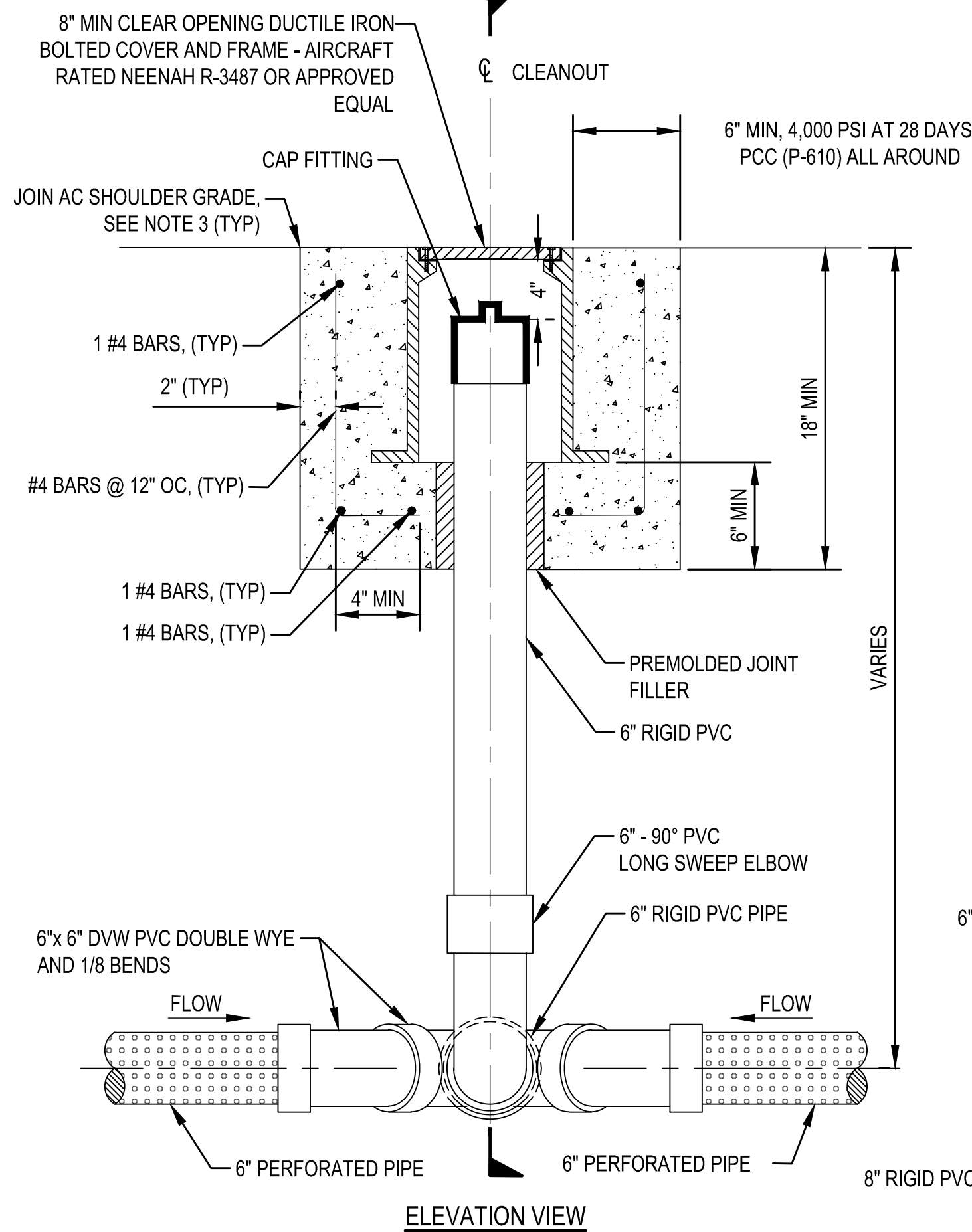
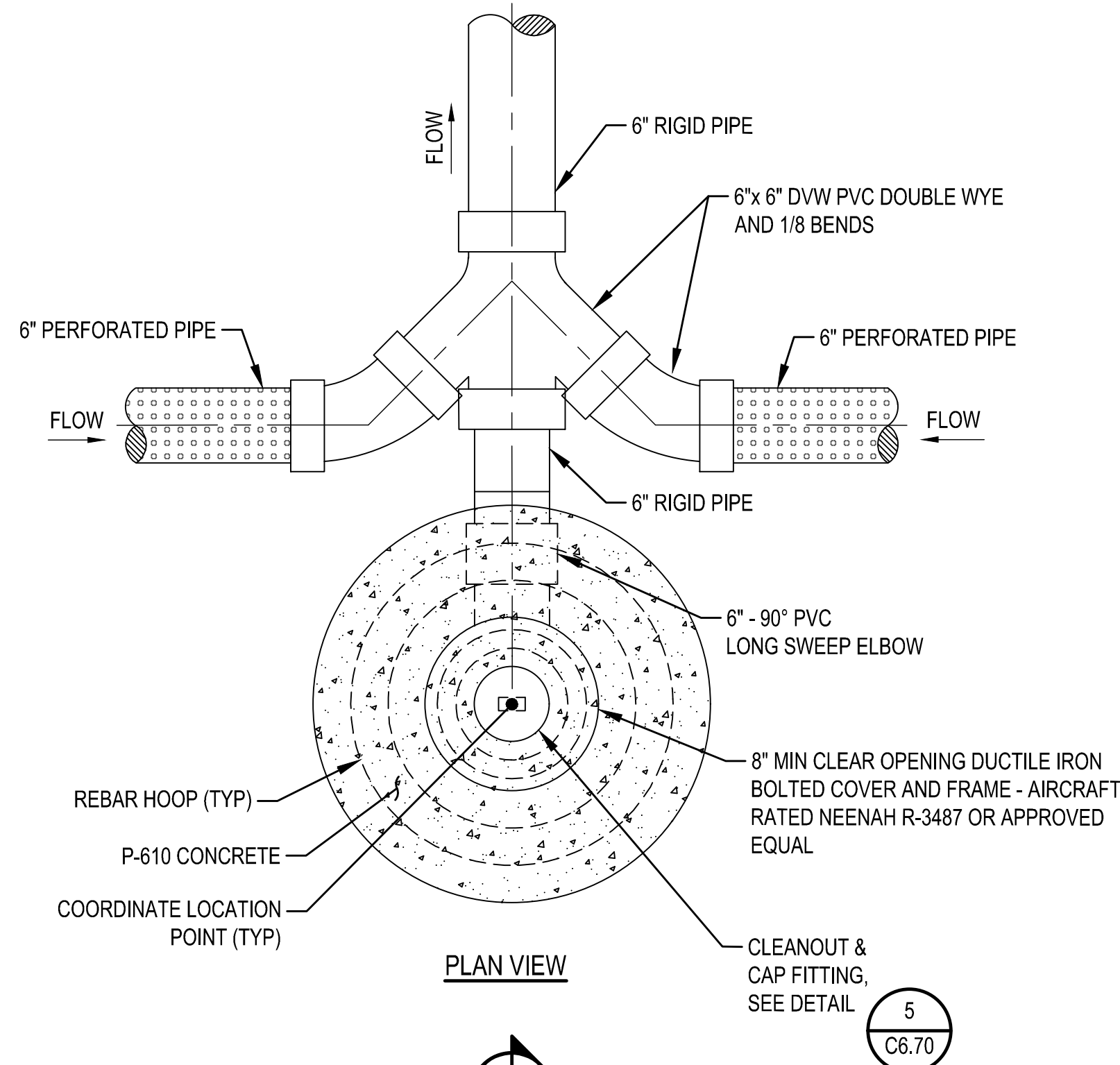
SUBDRAIN DETAILS  
1 OF 3

DATE :	DWG. NO.
07/2022	C6.70
SHEET :	
272 OF 376 SHEETS	



TYPE III CLEANOUT (IN LINE HIGH POINT)  
SCALE: N.T.S.

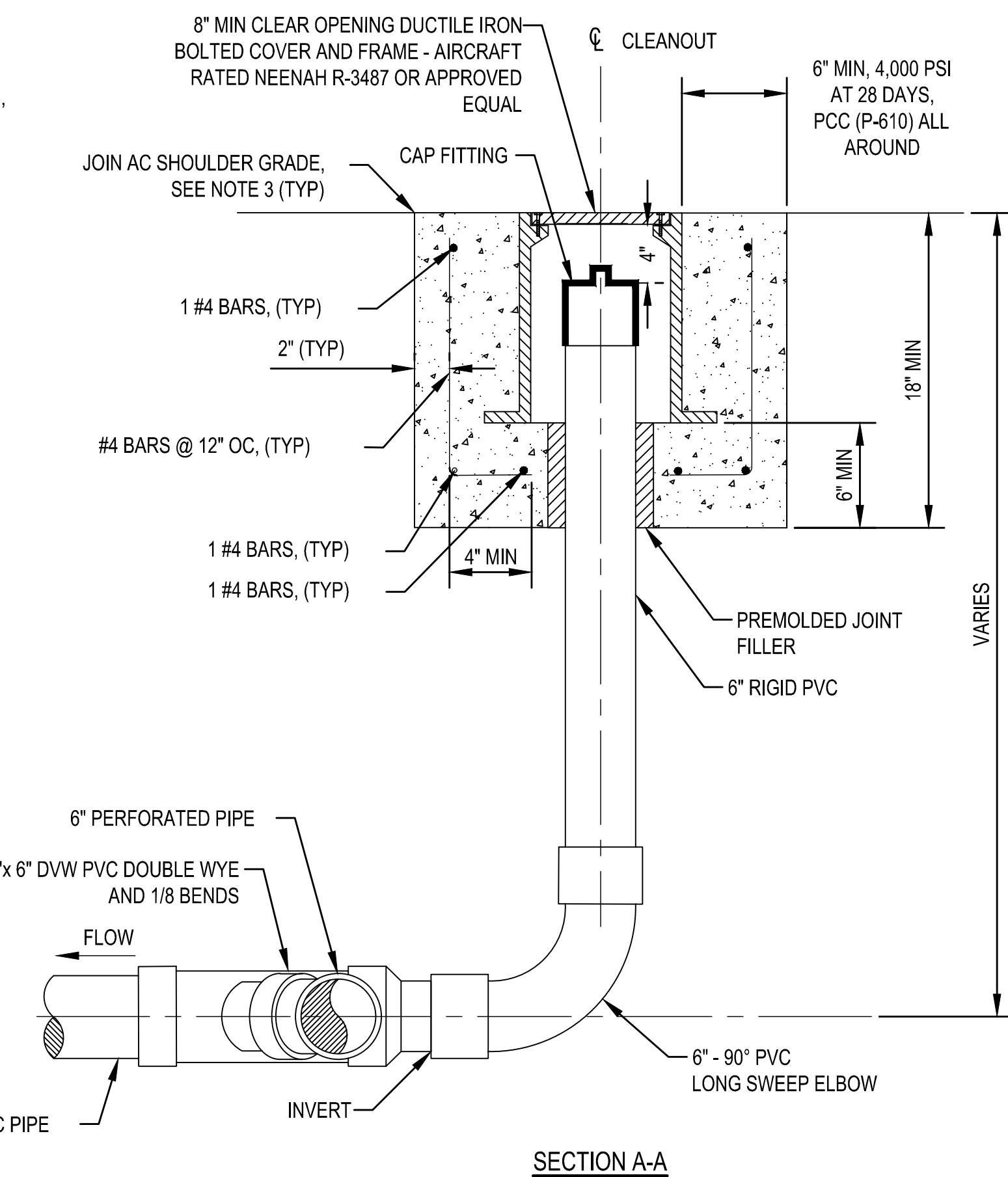
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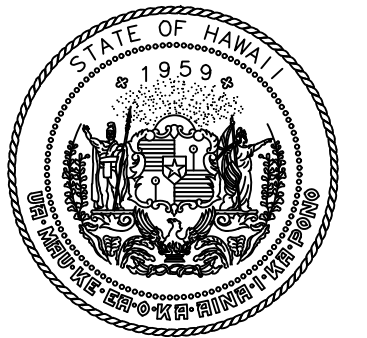
TYPE IV CLEANOUT (IN LINE LOW POINT)  
SCALE: N.T.S.

#### SHEET NOTES:

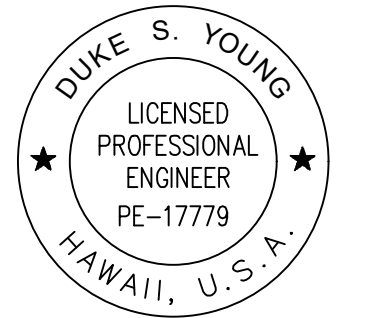
1. USE SOLID RIGID PVC PIPE FOR VERTICAL CLEANOUT EXTENSIONS AND OUTFALL LINES TO CATCH BASINS OR MANHOLES. POROUS BACKFILL SHALL BE USED AROUND PERFORATED PIPE.
2. FOR TYPICAL PAVEMENT SECTIONS, SEE DWGS C4.50 TO C4.52.
3. ALL NON-PERFORATED AND PERFORATED PVC PIPE SHOULD BE SCHEDULE 40 PVC.



SECTION A-A



Airports Division  
DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII



*Duke Young*  
DUKE YOUNG, PE  
CIVIL ENGINEER

4/30/24  
Expiration Date

DSGN.	DRWN.	CHKD.	APPD.
HF	HT	JB	DY

#### KEY PLAN / NOTES:

NO.	DATE	REVISIONS
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### CONSTRUCTION DOCUMENTS

JULY 2022  
DATE

#### PROJECT TITLE :

**RELOCATE  
RUNWAY 3-21**

AT  
LIHUE AIRPORT  
LIHUE, KAUAI, HAWAII

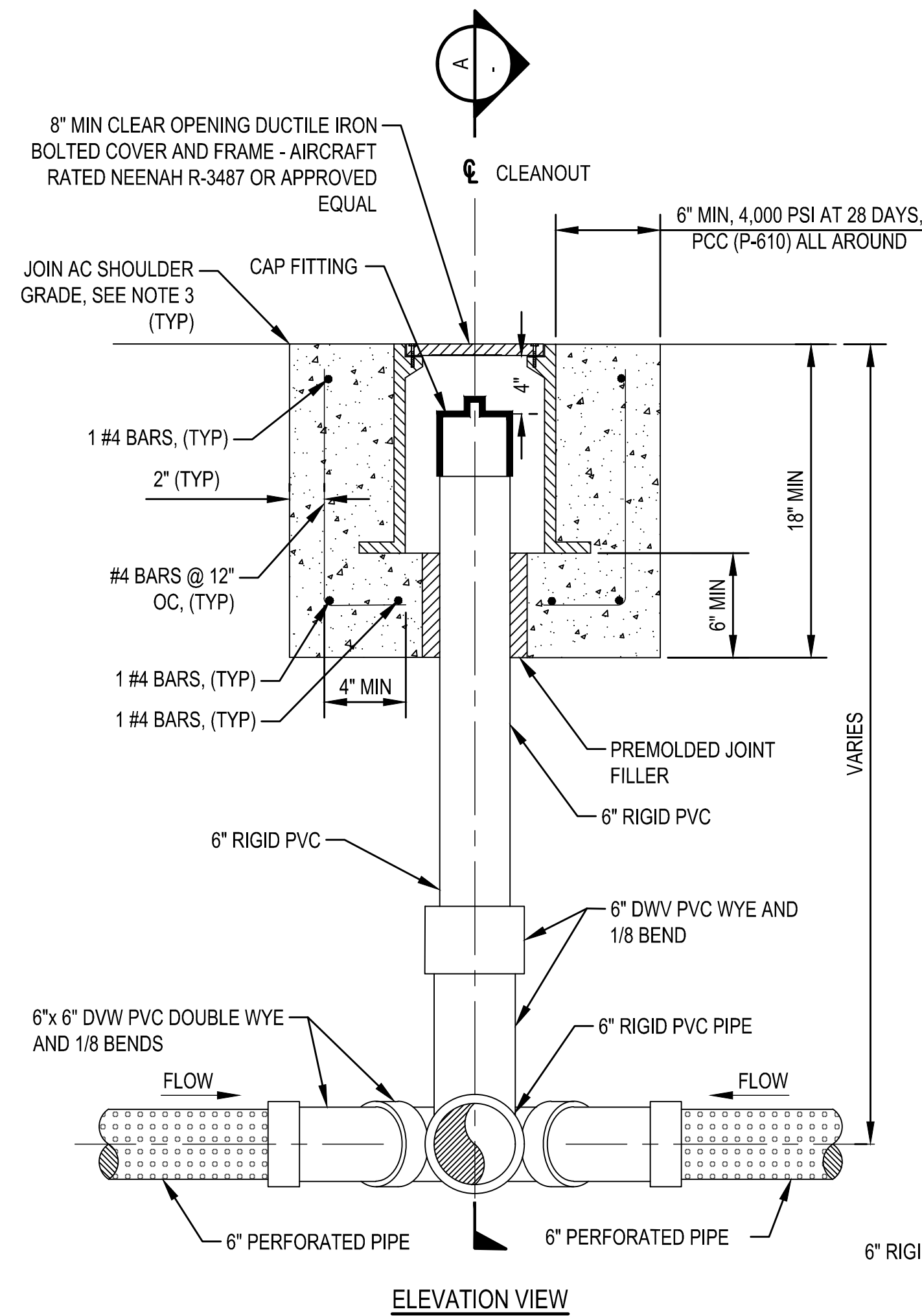
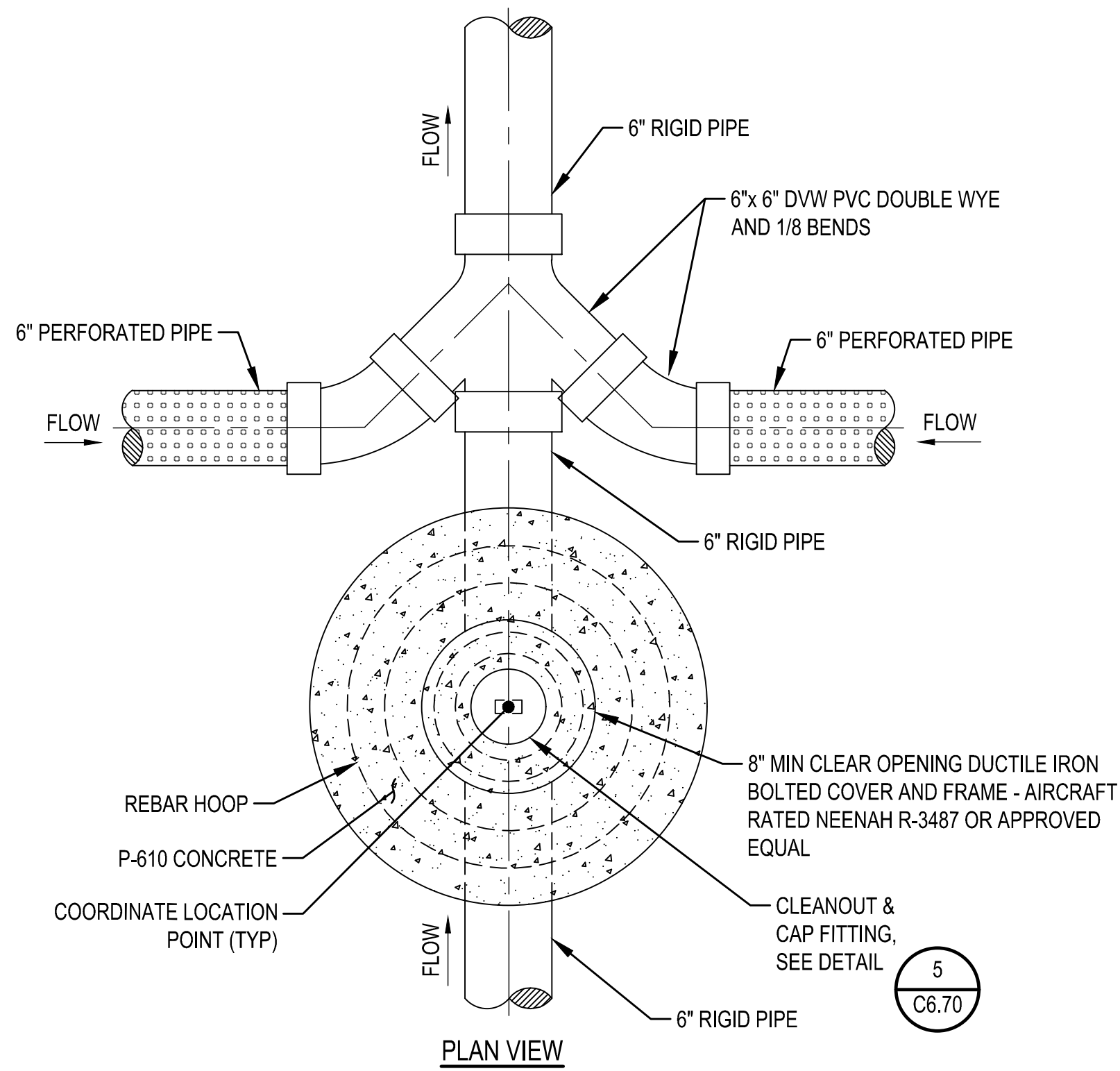
#### PROJECT NO.:

**AK1031-14**

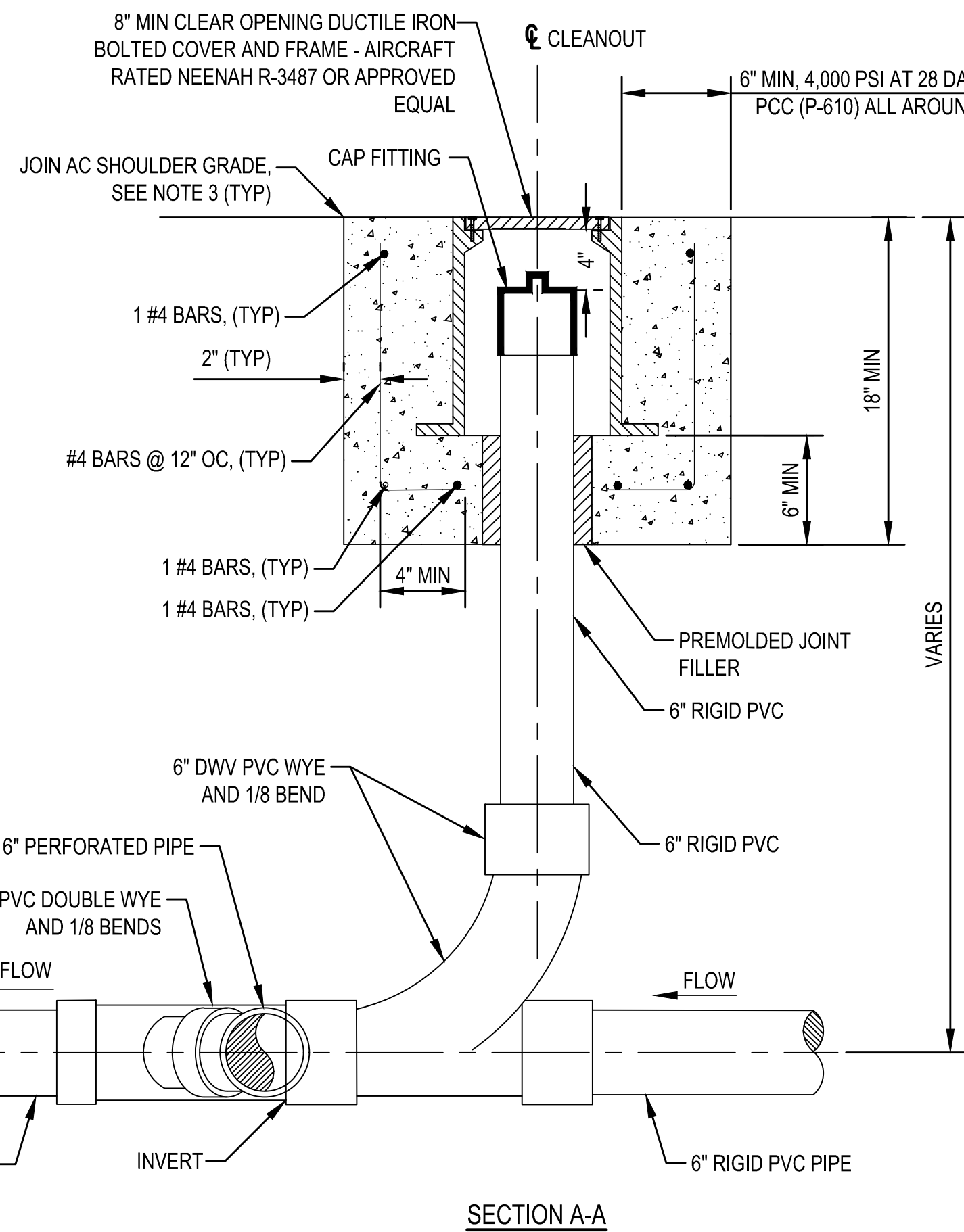
#### SHEET TITLE:

**SUBDRAIN DETAILS  
2 OF 3**

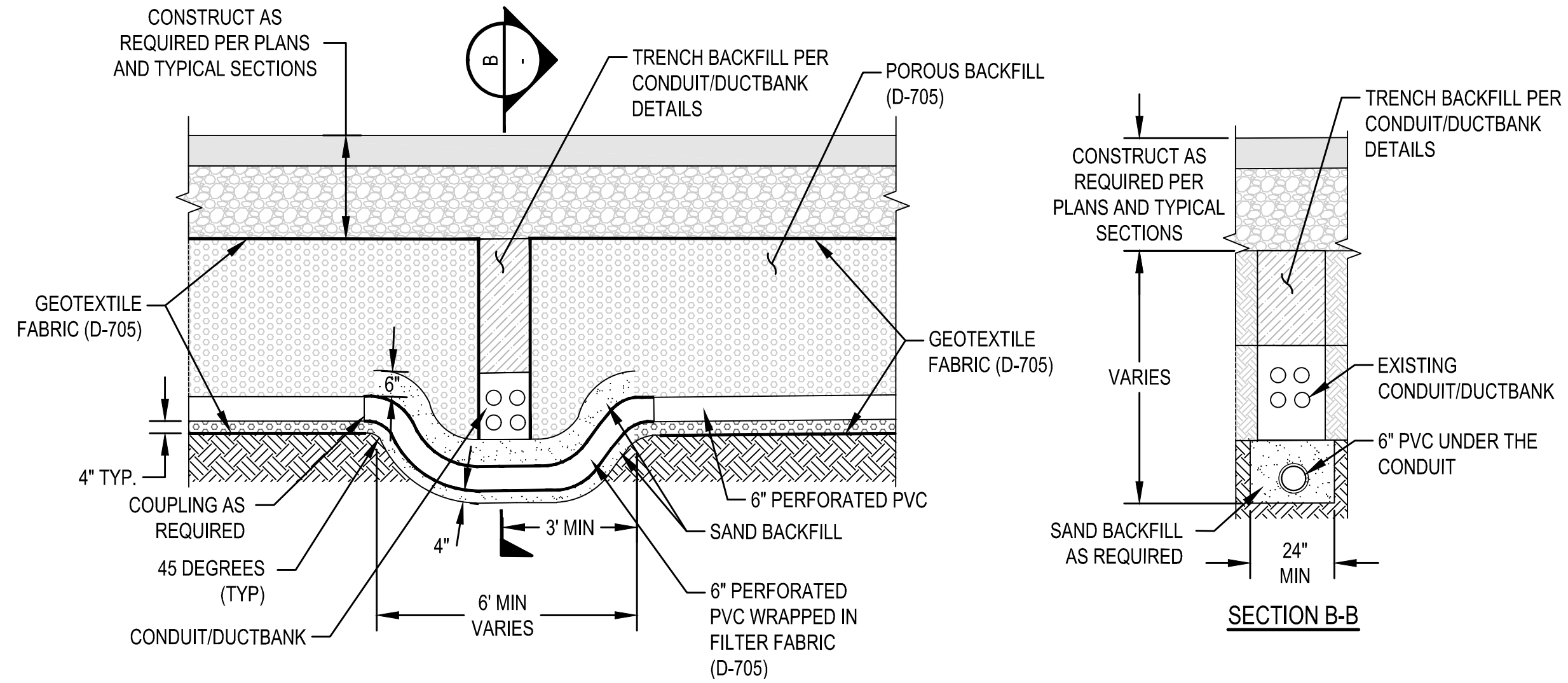
DATE :	DWG. NO.
07/2022	C6.71
SHEET :	
273 OF 376 SHEETS	



TYPE V CLEANOUT  
(IN LINE LOW POINT JUNCTION)  
SCALE: N.T.S.



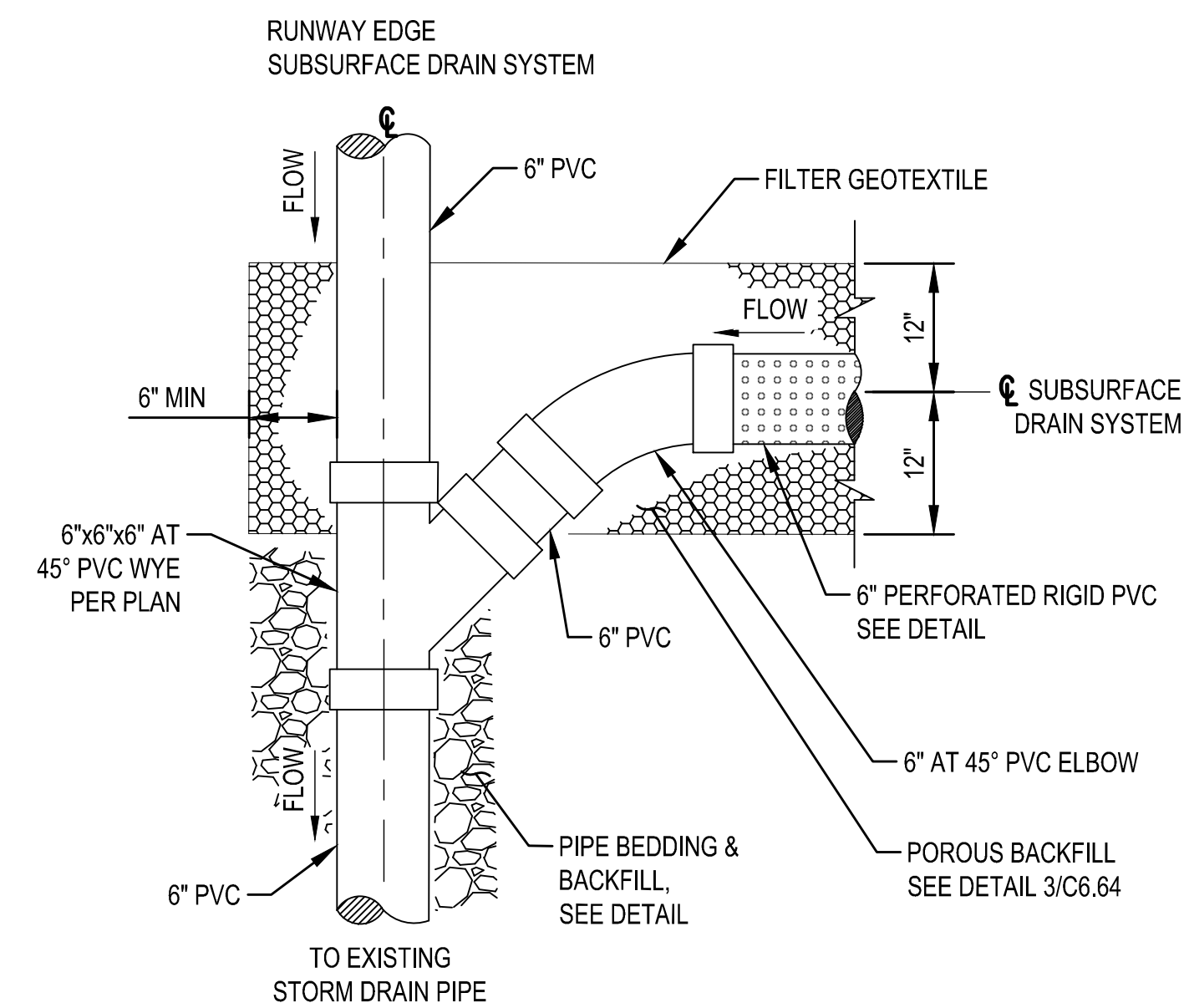
SECTION A-A



NOTE:

1. THIS DETAIL IS TO BE USED WHERE SUBDRAIN CONFLICTS WITH EXISTING CONDUIT/DUCTBANK, UTILITIES, OR PROPOSED ELECTRICAL DUCTBANK.

TYPICAL SUBSURFACE DRAIN SIPHON  
SCALE: N.T.S.

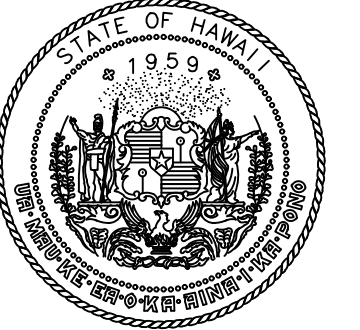


PLAN

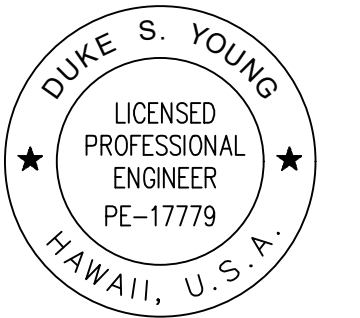
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SHEET NOTES:

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3. ALL NON-PERFORATED AND PERFORATED PVC PIPE SHOULD BE SCHEDULE 40 PVC.



Airports Division  
DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII



*Duke Young* 4/30/24  
DUKE YOUNG, PE  
CIVIL ENGINEER  
Expiration Date

DSGN.	DRWN.	CHKD.	APPD.
HF	HT	JB	DY

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
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CONSTRUCTION DOCUMENTS

JULY 2022  
DATE

PROJECT TITLE :

RELOCATE  
RUNWAY 3-21

AT  
LIHUE AIRPORT  
LIHUE, KAUAI, HAWAII

PROJECT NO.:

AK1031-14

SHEET TITLE:

SUBDRAIN DETAILS  
3 OF 3

DATE :	DWG. NO.
07/2022	C6.72
SHEET :	
274 OF 376 SHEETS	