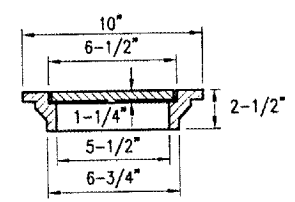
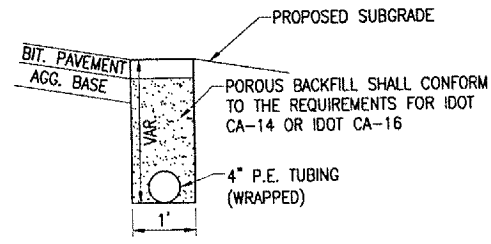


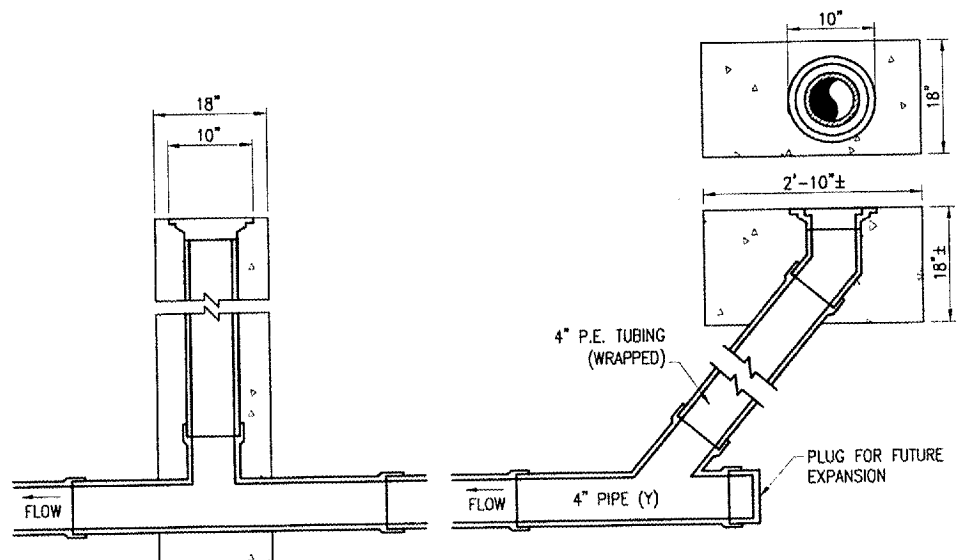
**PIPE UNDERDRAIN CONNECTION**  
"NOT TO SCALE"



**CAST IRON FRAME AND COVER**  
NEENAH R-6013, DEETER 1810,  
EAST JORDAN 2790-6 OR  
APPROVED EQUAL

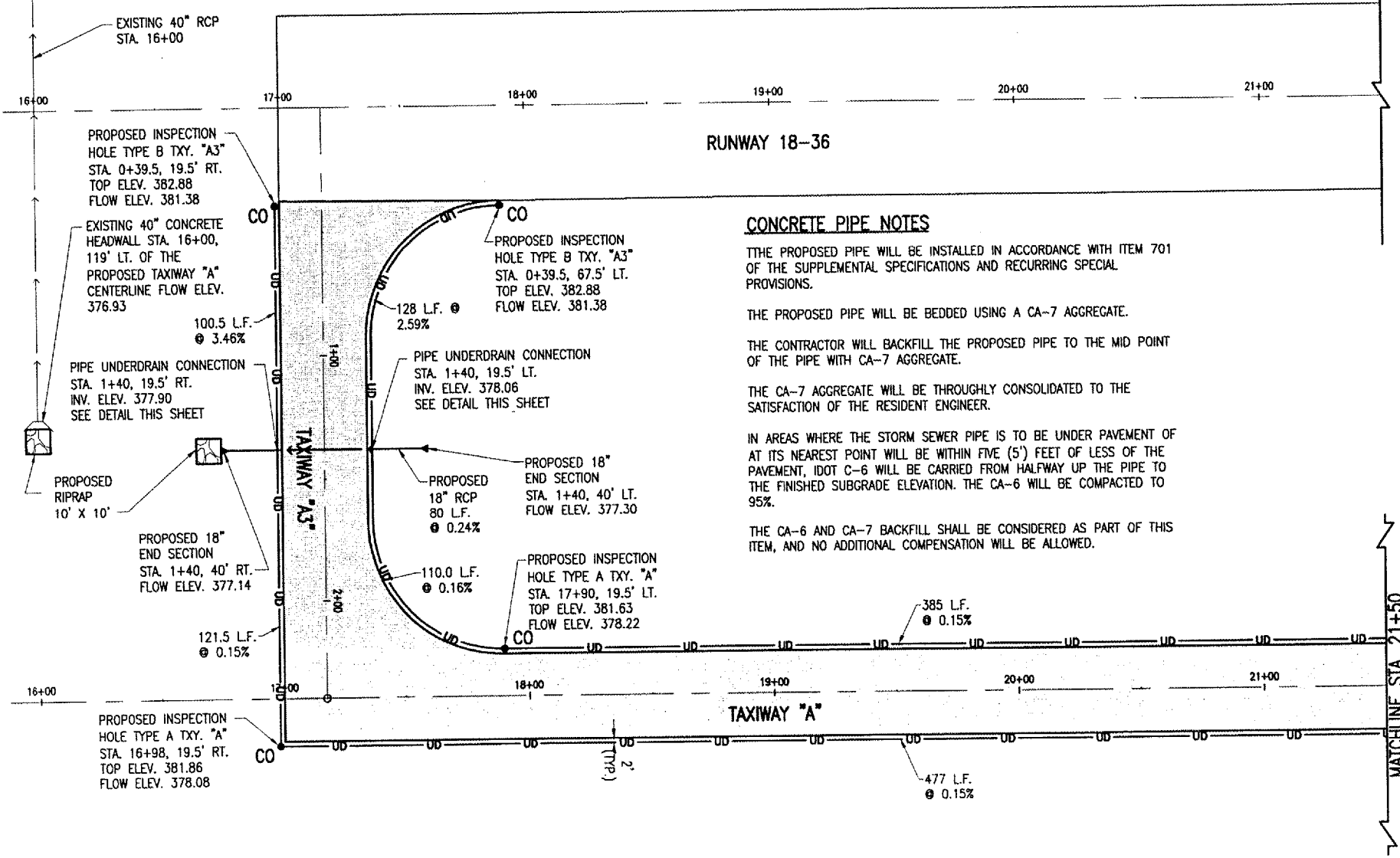


**UNDERDRAIN DETAIL**  
"NOT TO SCALE"



**INSPECTION HOLE-TYPE A**

**INSPECTION HOLE-TYPE B**



**CONCRETE PIPE NOTES**

THE PROPOSED PIPE WILL BE INSTALLED IN ACCORDANCE WITH ITEM 701 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

THE PROPOSED PIPE WILL BE BEDDED USING A CA-7 AGGREGATE.

THE CONTRACTOR WILL BACKFILL THE PROPOSED PIPE TO THE MID POINT OF THE PIPE WITH CA-7 AGGREGATE.

THE CA-7 AGGREGATE WILL BE THOROUGHLY CONSOLIDATED TO THE SATISFACTION OF THE RESIDENT ENGINEER.

IN AREAS WHERE THE STORM SEWER PIPE IS TO BE UNDER PAVEMENT OF AT ITS NEAREST POINT WILL BE WITHIN FIVE (5) FEET OF LESS OF THE PAVEMENT, IDOT C-6 WILL BE CARRIED FROM HALFWAY UP THE PIPE TO THE FINISHED SUBGRADE ELEVATION. THE CA-6 WILL BE COMPACTED TO 95%.

THE CA-6 AND CA-7 BACKFILL SHALL BE CONSIDERED AS PART OF THIS ITEM, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**UNDERDRAIN NOTES**

THE CONTRACTOR SHALL INSTALL THE PROPOSED 4" P.E. TUBING UNDERDRAINS TO THE DEPTH AND GRADES SHOWN ON THIS SHEET. THE UNDERDRAINS SHALL BE INSTALLED AFTER THE AGGREGATE HAS BEEN COMPLETED.

THE 4" P.E. TUBING SHALL BE CAPPED AT THE ENDS WHICH DO NOT CONNECT INTO STRUCTURES.

THE TRENCH SHALL BE BACKFILLED AND COMPACTED WITH POROUS BACKFILL CA-14 OR CA-16 MATERIAL. THE TRENCH LOCATED IN THE PROPOSED PAVEMENT AREAS WILL BE BACKFILLED AS SHOWN IN THE DETAIL ON THIS SHEET. THE TRENCH LOCATED IN TURF AREAS SHALL BE BACKFILLED UP TO WITHIN 1 FT. OF THE EXISTING GROUND ELEVATION. THE REMAINING 1 FT. OF TRENCH WILL BE BACKFILLED AND COMPACTED WITH EARTH MATERIAL.

THE POROUS BACKFILL SHALL CONFORM TO THE REQUIREMENTS FOR IDOT CA-14 OF IDOT CA-16.

THE CONNECTION TO THE PROPOSED 18" RCP WILL BE CONSIDERED INCIDENTAL TO THE "4" PERFORATED UNDERDRAIN W/SOCK" ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE PROPOSED UNDERDRAINS AND BACKFILLED MATERIAL WILL BE PAID FOR UNDER THE FOLLOWING ITEMS:  
AR705410 "POROUS BACKFILL" - PER C.Y.  
AR705524 "4" PERFORATED UNDERDRAIN W/SOCK" -PER L.F.

**INSPECTION HOLE NOTES**

DIAMETER OF PIPE AS SPECIFIED.

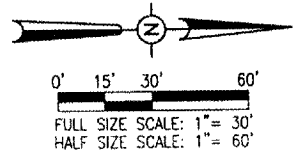
TOP OF INSPECTION HOLES SHALL BE 2" ABOVE FINISH GROUND LINE AT LOCATION SHOWN ON PLANS.

1/2" CHAMFER TO BE USED ON ALL EXPOSED EDGES OF INSPECTION HOLES.

THE CONCRETE SHALL BE STRUCTURAL PORTLAND CEMENT CONCRETE (NON-REINFORCED)

**LEGEND**

- EXISTING PAVEMENT
- EXISTING RCP
- EXISTING HEADWALL
- PROPOSED PAVEMENT
- PROPOSED 4" PERFORATED UNDERDRAIN W/SOCK
- PROPOSED RCP
- PROPOSED UNDERDRAIN INSPECTION HOLE
- PROPOSED FLARED END SECTION



DATE	REVISION	BY
04/01/08	REVISED PIPE NOTES	CAH

**CARMI MUNICIPAL AIRPORT**  
CARMI, ILLINOIS

ILL. PROJ.: CUL-3683 A.I.P. PROJ.: J-17-0109-B7

HEI Project No. 801-07TYD 0800	DATE	11/15/06
Drawn: R-131DRN.DWG	LAYOUT	SEP 11/15/06
Scale: 1" = 30'	DRAWN	CCC 11/15/06
Date: 11/15/06	REVIEWED	CAH 03/27/07



**EXTEND PARTIAL PARALLEL TAXIWAY DRAINAGE PLAN**

PROPOSED  
STA. 16+00 TO STA. 21+50

2007 01 20 09:18 AM H4GL000382 P:\R-ORIS\CAH\801-07TYD\AIRPORT\SHEETS\R-131DRN.DWG - Layout1