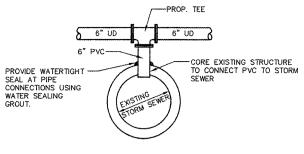
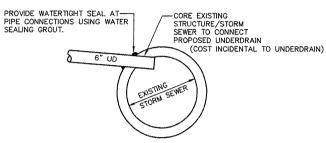


## TYPE 1 INLET

#### NOTES

- 1. 1/2" CHAMFER TO BE USED ON ALL EXPOSED CORNERS ON INLETS. BARS TO BE INSTALLED 2" FROM FACE OF WALL.
- INLET TO BE CONSTRUCTED OF STRUCTURAL P.C. CONCRETE. THE CONTRACT UNIT PRICE FOR INLET SHALL INCLUDE THE GRATE AND FRAME AS SPECIFIED.



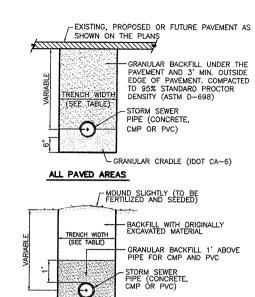


### UNDERDRAIN CONNECTION DETAILS

NOT TO SCALE

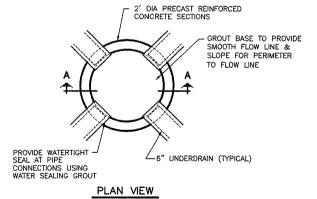
UNDERDRAIN CONNECTIONS AND FITTINGS, TEES AND ELBOWS USED FOR CONNECTIONS TO PROPOSED STRUCTURES AND STORM SEWERS / EXISTING STRUCTURES AND STORM SEWERS, SHALL
BE CONSIDERED INCIDENTAL TO THE PROPOSED UNDERDRAIN

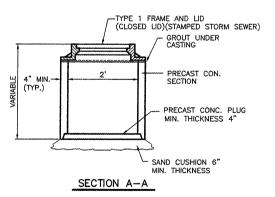
INSIDE DIAMETER OF STORM SEWER (INCHES)	MAXIMUM TRENCH WIDTH	
6	3'-7" 3'-9" 4'-2" 4'-6" 4'-9" 5'-0" 5'-4" 5'-7" 5'-11" 6'-6" 8'-3" 8'-10" 9'-5" 10'-0" 11'-2" 11'-9" 12'-4" 13'-6"	
8	3'9"	
12	4'-2"	
15	4'-6"	
18 21 24 27 30 36 42 48 54 60 66 72 78 84	4'-9"	
21	5'-0"	
24	5'-4"	
27	5'-7"	
30	5'-11"	
36	6'-6"	
42	7'-1"	
48	7'-8"	
54	8'-3"	
60	8'-10"	
66	9'-5"	
72	10'0"	
78	10'~7"	
84	11'-2"	
90	11'-9"	
96	12'-4"	
102	12'-11"	
108	13'~6"	



GRANULAR CRADLE (IDOT CA-6)

NON-PAVED AREAS





## UNDERDRAIN COLLECTION STRUCTURE DETAIL

- ALL UNDERDRAIN CONNECTIONS, CORING INTO STRUCTURES, TEES, BENDS, STORM SEWER ETC. SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UNDERDRAIN.
- 3. UNDERDRAIN SLOPES FOLLOW EDGE OF PAVEMENT SLOPE UNLESS OTHERWISE NOTED.
- INSTALL PROPOSED ELECTRICAL DUCTS/CONDUITS TO BE CLEAR OF UNDERDRAIN, COST INCIDENTAL.
- PRIOR TO ORDERING AND INSTALLING ALL FIELD TILE REPLACEMENT PIPE, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND INVERTS OF EXISTING FIELD TILE CONNECTIONS. ADJUSTMENTS SHALL BE MADE AS NECESSARY AT NO ADDITIONAL COST TO THE CONTRACT.

NUMBER BY DATE  NUMBER BY DATE  NUMBER BY DATE  OF THIS BAR IS EQUAL TO 2" AT FULL SCALE (34 X22).  CHICAGO EXECUTIVE BY DAYERS FOR THE CHICAGO EXECUTIVE BY DAYERS BY:  DESIGN BY: JRO CHECKED BY:  APPROVED BY:  DATE: 11/21/08  JOB No: 06290-07  ILLINOIS PROJECT: PWK-3613 A.I.P. PROJECT: 3-17-0018-B39  SHEET 22 OF 40 SHEETS			
CHICKED BY:  DESIGN BY:  APPROVED BY:  APPRO		((0)0)10	
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THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).  CHICAGO EXECUTIVE AIRPORT CONSULTING INGENERS LICONSOLTING LICONSOLT LICONSOLTING LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONS	NUMBER	BY DATE	
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).  CHICAGO EXECUTIVE AIRPORT CONSULTING INGENERS LICONSOLTING LICONSOLT LICONSOLTING LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONSOLT LICONS			
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).  CHICAGO EXECUTIVE AIRPORT CONSULTING ENGINEERS LICENSE No. 184-000613  DESIGN BY: DRAWED BY: DATE: DAT			
CHICAGO EXECUTIVE AIRPORT CORANCORO MARPHY & TLLY NO. CORA			
CHICAGO EXECUTIVE AIRPORT  CHAMPORD MARPHY & TLLY, NC. CORANGORD,	0	1 2	
CHICAGO EXECUTIVE AIRP  CONSULTIVE BYSINEERS LIGENSON NO. 11/21/08  DESIGN BY: DATE: 11/21/08  JOB NO: 06290-07  ILLINOIS PROJECT: 3-17-0018-B39  ALIAN OF DETAIL	THIS BAR IS EQUAL TO 2"		
DESIGN BY: ARM DRAWN BY: JRO CHECKED BY: APPROVED BY: DATE: 11/21/08 JOB No: 06290-07 ILLINOIS PROJECT: PWK-3613 A.I.P. PROJECT: 3-17-0018-839	AGO EXI	AINAGE DETAIL	
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CHECKED BY:  APPROVED BY:  DATE: 11/21/08  JOB No: 06290-07  ILLINOIS PROJECT: PWK-3613  A.I.P. PROJECT: 3-17-0018-839	****	***************************************	
APPROVED BY:  DATE: 11/21/08  JOB No: 06290-07  ILLINOIS PROJECT: PWK-3613 A.I.P. PROJECT: 3-17-0018-B39	**************************************		
DATE: 11/21/08  JOB No: 06290-07  ILLINOIS PROJECT: PWK-3613 A.I.P. PROJECT: 3-17-0018-B39			
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A.I.P. PROJECT: 3-17-0018-B39	JOB No:	06290-07	
SHEEL 22 OF 40 SHEETS	A.I.P. PROJECT: 3-17-0018-839		
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DATE: Sun 3/28/04 9:02am

# STORM SEWER/UNDERDRAIN NOTES

- CONTRACTOR SHALL FIELD VERIFY EXISTING STORM SEWER/UNDERDRAIN INVERTS BEFORE INSTALLING PROPOSED PIPE, CONNECTIONS AND ORDERING MATERIALS.

- UNDERDRAIN CONFLICTS WITH EXISTING CONDITIONS SHALL BE RESOLVED AND COST SHALL BE INCIDENTAL TO
- CORING OF DRAINAGE STRUCTURE AND REMOVAL OF EXISTING STORM SEWER MANHOLE/INLET CONCRETE BENCHES TO FACILITATE CONNECTIONS OF PROPOSED STORM SEWER PIPE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PIPE.