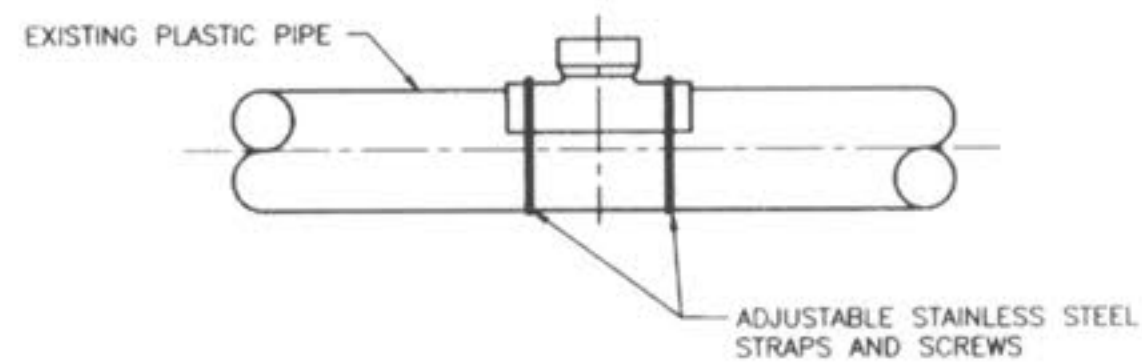


**PLASTIC SADDLE TEE OR WYE FITTING
(SOLVENT WELD)**

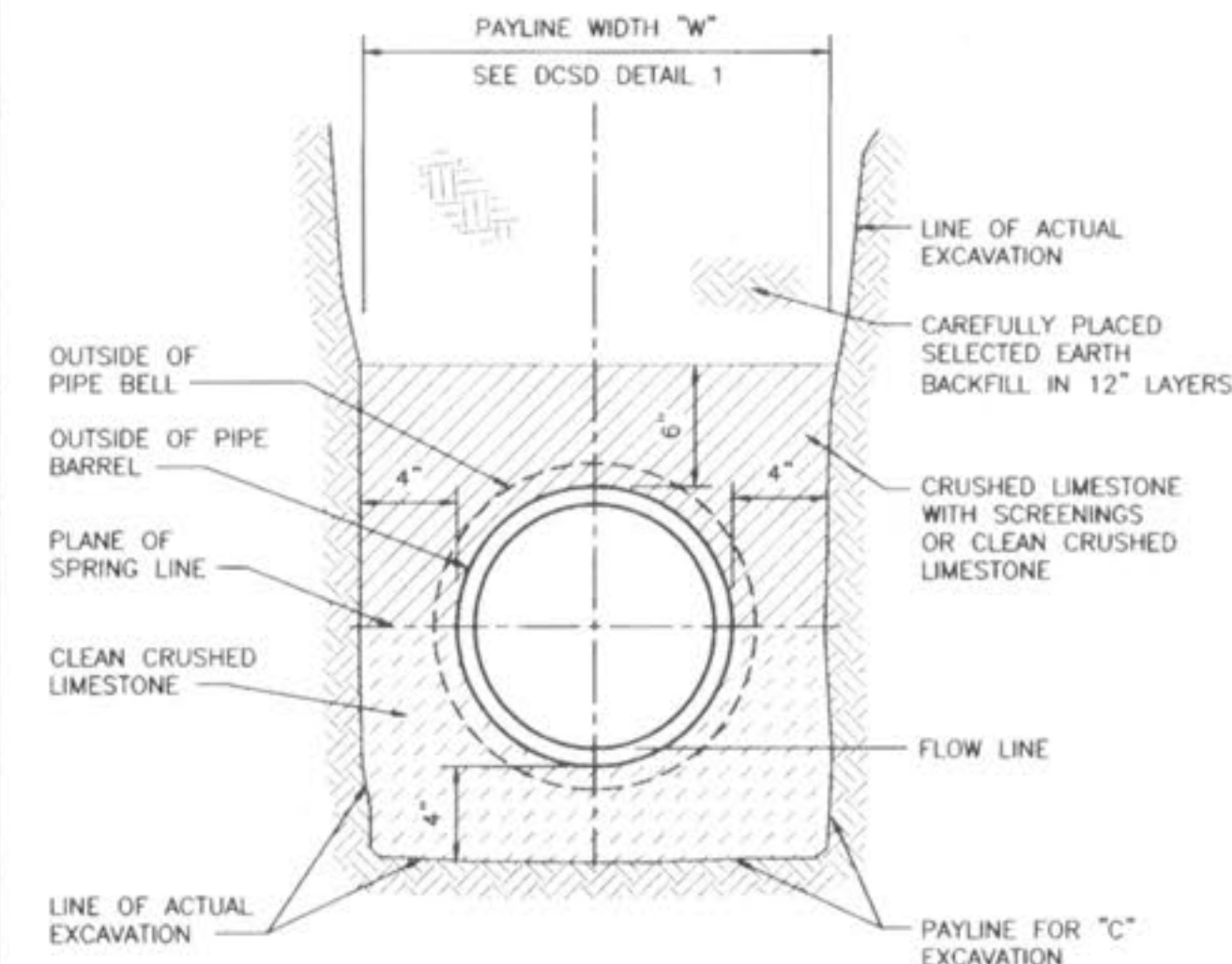


WHEN CONNECTION TO A PLASTIC PIPE IS ALLOWED AND A CONNECTION IS LARGER THAN 6" IN DIAMETER, A SOLVENT WELD WYE OR TEE FITTING OF A SIMILAR MATERIAL MUST BE USED. (EXAMPLE: 10" x 8") THIS IS ACCOMPLISHED BY CAREFULLY CUTTING A HOLE WITH A SAW IN THE MAIN AT THE REQUIRED LOCATION AFTER CUTTING AND SHAPING THE HOLE TO THE SIZE OF THE FITTING. THE FOLLOWING STEPS SHOULD BE TAKEN.

- CLEAN AND DRY BOTH INSIDE THE SADDLE WYE SURFACE AND PIPE SURFACE TO BE SOLVENT CEMENTED.
- IMPORTANT: APPLY A LIBERAL, HEAVY COAT OF ONE-STEP SOLVENT CEMENT TO THE INSIDE SURFACE OF THE SADDLE WYE AND TO THE EXTERIOR WELDING SURFACE TO THE PIPE.
- WITHOUT DELAY, MATE THE SURFACES AND STRAP DOWN TIGHTLY. A BEAD OF SOLVENT SHOULD APPEAR AFTER THE SADDLE HAS BEEN STRAPPED DOWN TIGHTLY.
- USING A RAG OR PAPER TOWEL, WIPE BEAD AND ANY EXCESS SOLVENT CEMENT OFF PIPE AND SADDLE.
- ALLOW 30-60 MINUTES FOR SET-UP TIME BEFORE BACKFILLING. CURE TIME DEPENDS ON SIZE FIT OF MATERIALS BEING INSTALLED AND VARIOUS COLD DAMP CONDITIONS.
- DISCARD OLD SOLVENT IF IT BECOME JELLED OR LUMPY.
- A CLEAN, DRY BEDDING MATERIAL IS REQUIRED AROUND THE COMPLETED CONNECTION BEFORE BACKFILLING. THE BEDDING MATERIAL SHOULD BE ONE OF THE FOLLOWING.
 - A. 1 TO 3 CEMENT TO SAND MIX
 - B. "PRE-MIX" CONCRETE
 - C. DCSD APPROVED BEDDING FOR SANITARY SEWERS.

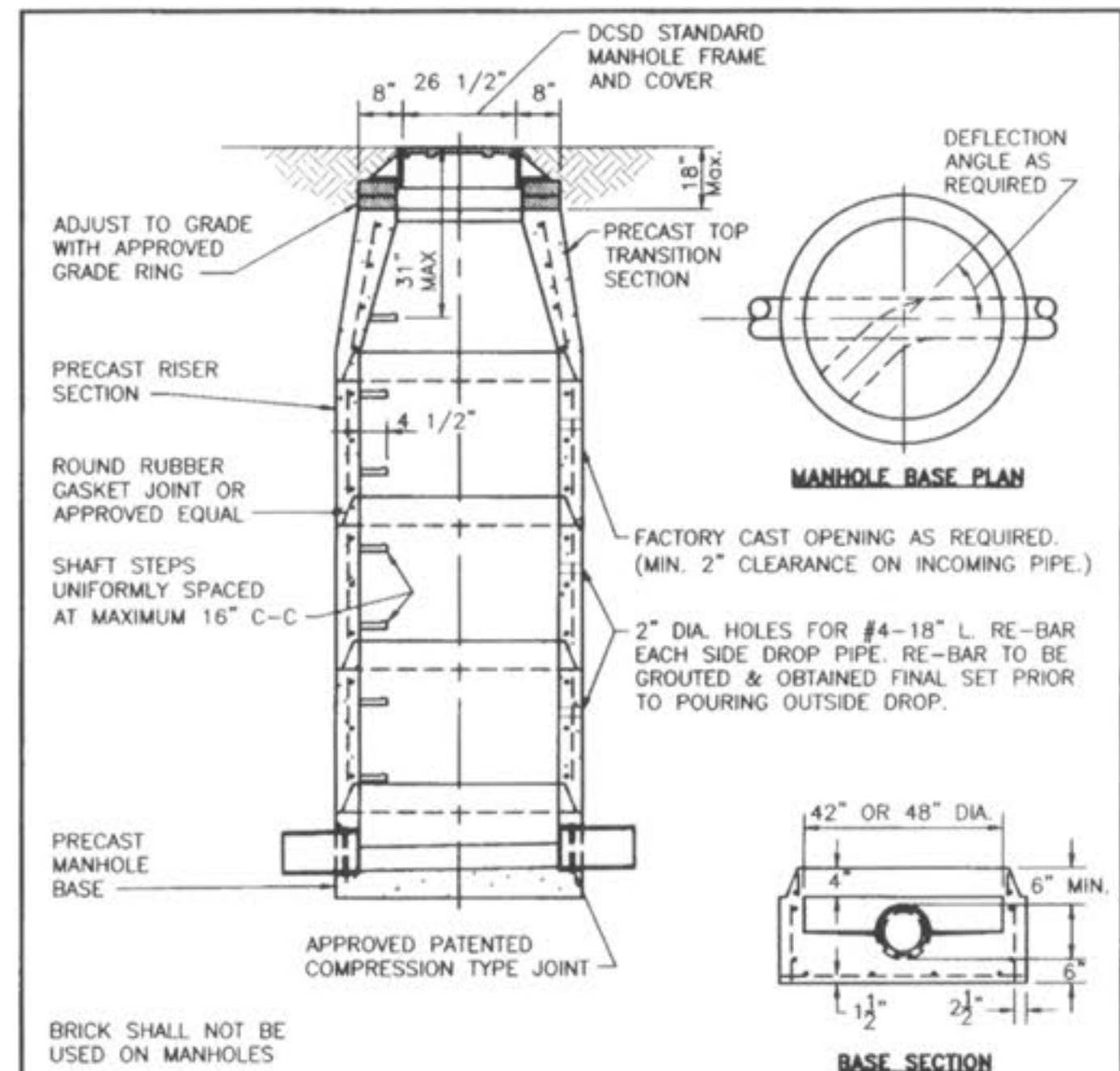
Duckett Creek Sanitary District

8" & LARGER CONNECTION TO PLASTIC MAIN
 Drawn By: BSM, App By: KLA, Detail No. 20A
 Check By: MDOB, Date: 1-4-01



Duckett Creek Sanitary District

PIPE BEDDING CLASS "C" (FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)
 Drawn By: BSM, App By: KLA, Detail No. 3
 Check By: MDOB, Date: 12-21-99

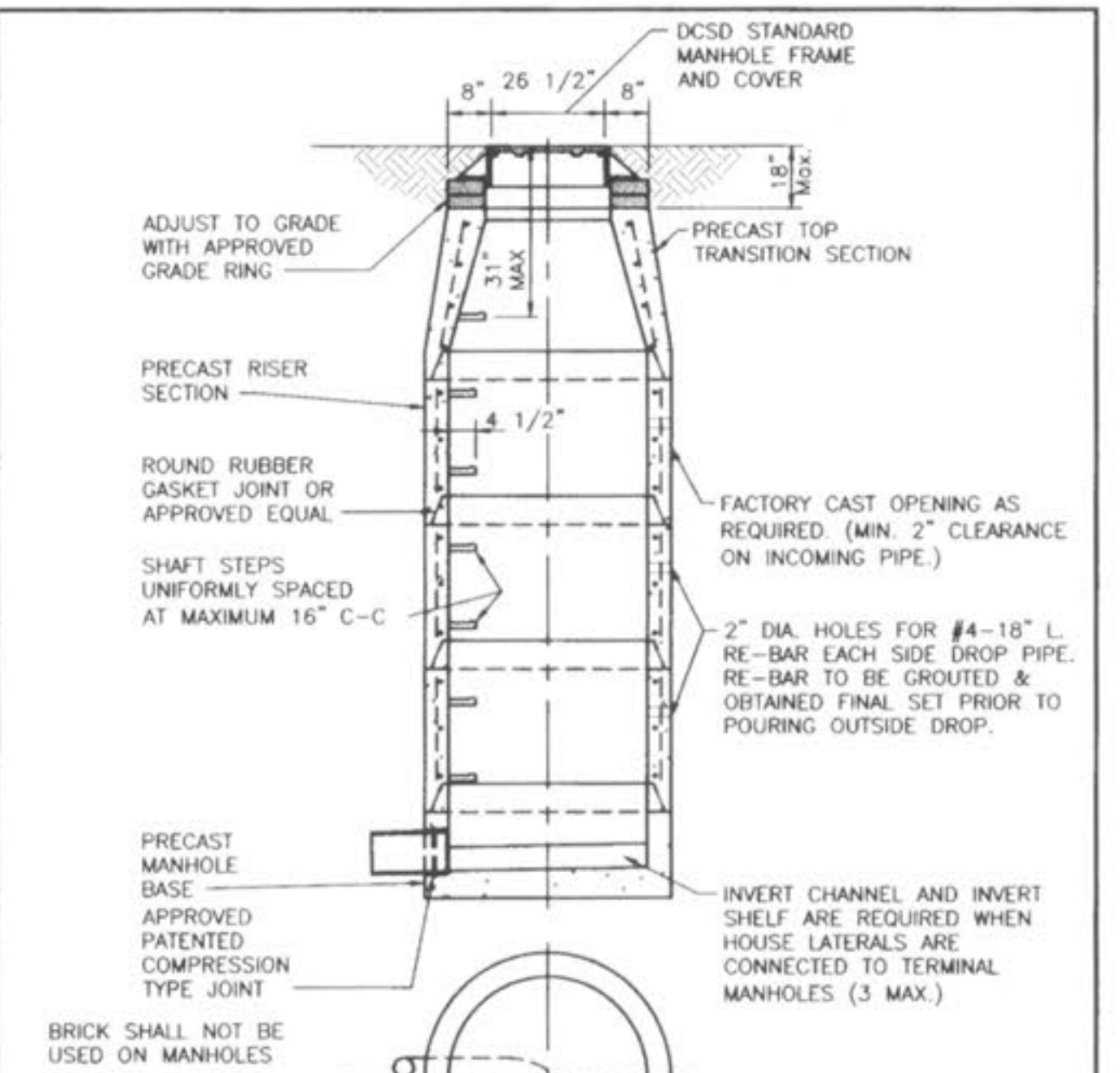


SECTION OF MANHOLE	DIMENSION
TOP TRANSITION	26 1/2" DIA.
UPPER LOWER	42" DIA.
BOTTOM SECTION	8" DIA. PIPE
BOTTOM SECTION	10" THRU 36" DIA. PIPE
BOTTOM SECTION	42" DIA.
BOTTOM SECTION	60" DIA.

NOTE: ALL INVERTS SHALL HAVE POSITIVE DRAINAGE THROUGH MANHOLE. SEE A.S.T.M. C-478 FOR MINIMUM STEEL REQUIREMENTS.

Duckett Creek Sanitary District

PRE-CAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 18"
 Drawn By: BSM, App By: KLA, Detail No. 7
 Check By: MDOB, Date: 12-30-99

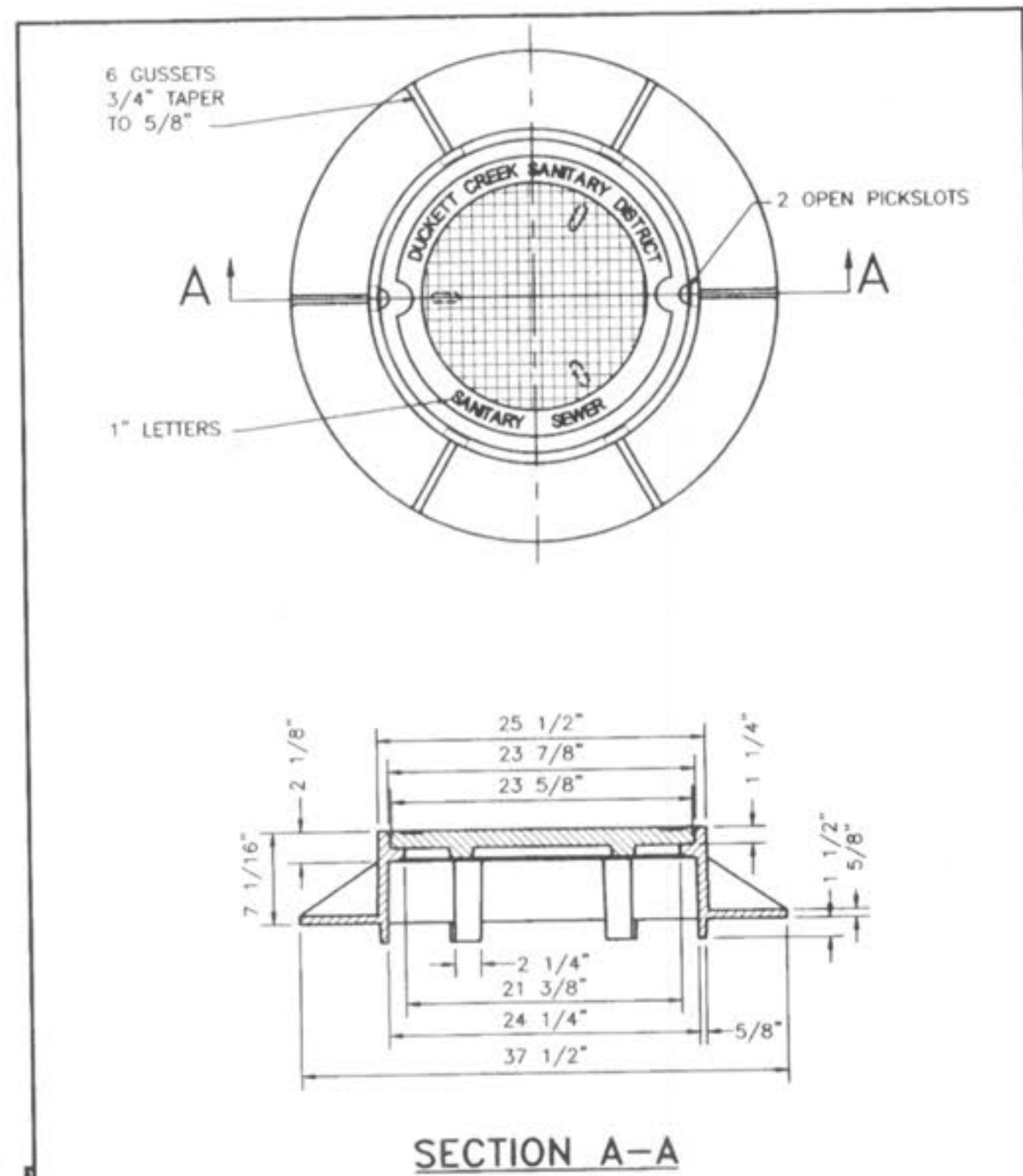


SECTION OF MANHOLE	DIMENSION
TOP TRANSITION	26 1/2" DIA.
UPPER LOWER	42" DIA.
BOTTOM SECTION	8" DIA. PIPE
BOTTOM SECTION	10" THRU 36" DIA. PIPE
BOTTOM SECTION	42" DIA.
BOTTOM SECTION	60" DIA.

NOTE: ALL INVERTS SHALL HAVE POSITIVE DRAINAGE THROUGH MANHOLE. SEE A.S.T.M. C-478 FOR MINIMUM STEEL REQUIREMENTS.

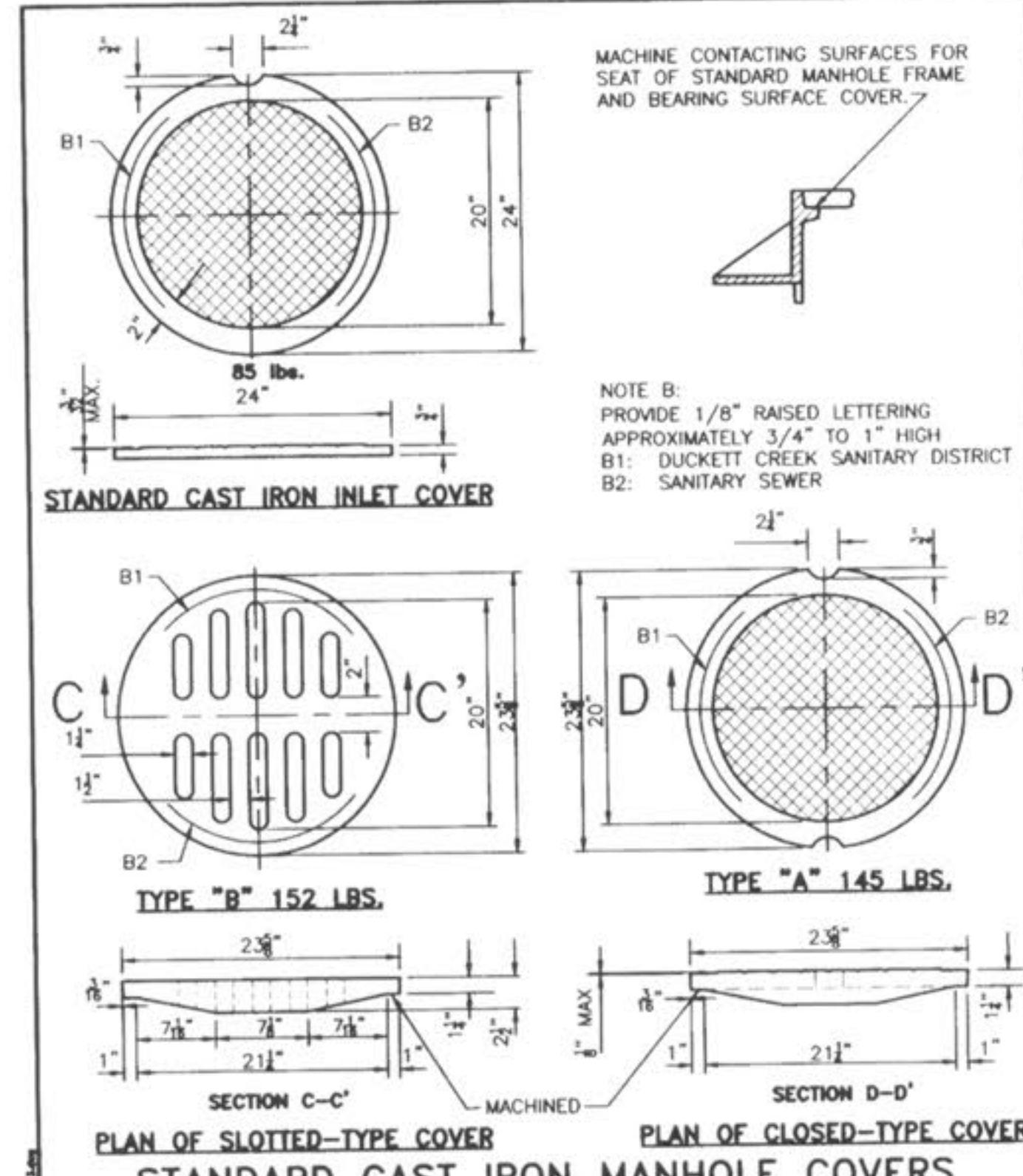
Duckett Creek Sanitary District

TERMINAL MANHOLE FOR SEWERS 8" THROUGH 18"
 Drawn By: BSM, App By: KLA, Detail No. 8
 Check By: MDOB, Date: 01-03-00



Duckett Creek Sanitary District

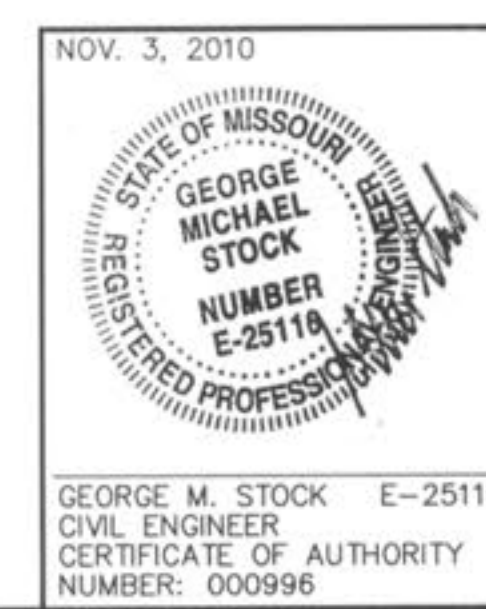
MANHOLE FRAME AND COVER
 Drawn By: BSM, App By: KLA, Detail No. 12
 Check By: MDOB, Date: 01-14-00



Duckett Creek Sanitary District

CAST IRON COVERS MANHOLES AND INLETS
 Drawn By: BSM, App By: KLA, Detail No. 13
 Check By: MDOB, Date: 12-22-00

- 2010-11-03 FOR PERMIT
- 2010-07-21 REVISED PER CITY & PWS COMMENTS
- 2010-06-30 REVISED PER CITY COMMENTS
- 2010-16-09 PROGRESS PRINTING #2
- 2010-05-24 REVISED PER SEWER DISTRICT COMMENTS



SANITARY SEWER DETAILS
CENTENE DATA CENTER

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Web: www.stockassoc.com

NOV. 3, 2010
 DATE CHECKED BY: G.M.S. 05/07/10
 DATE JOB NUMBER: 209-4511
 SHEET: C13 of 21