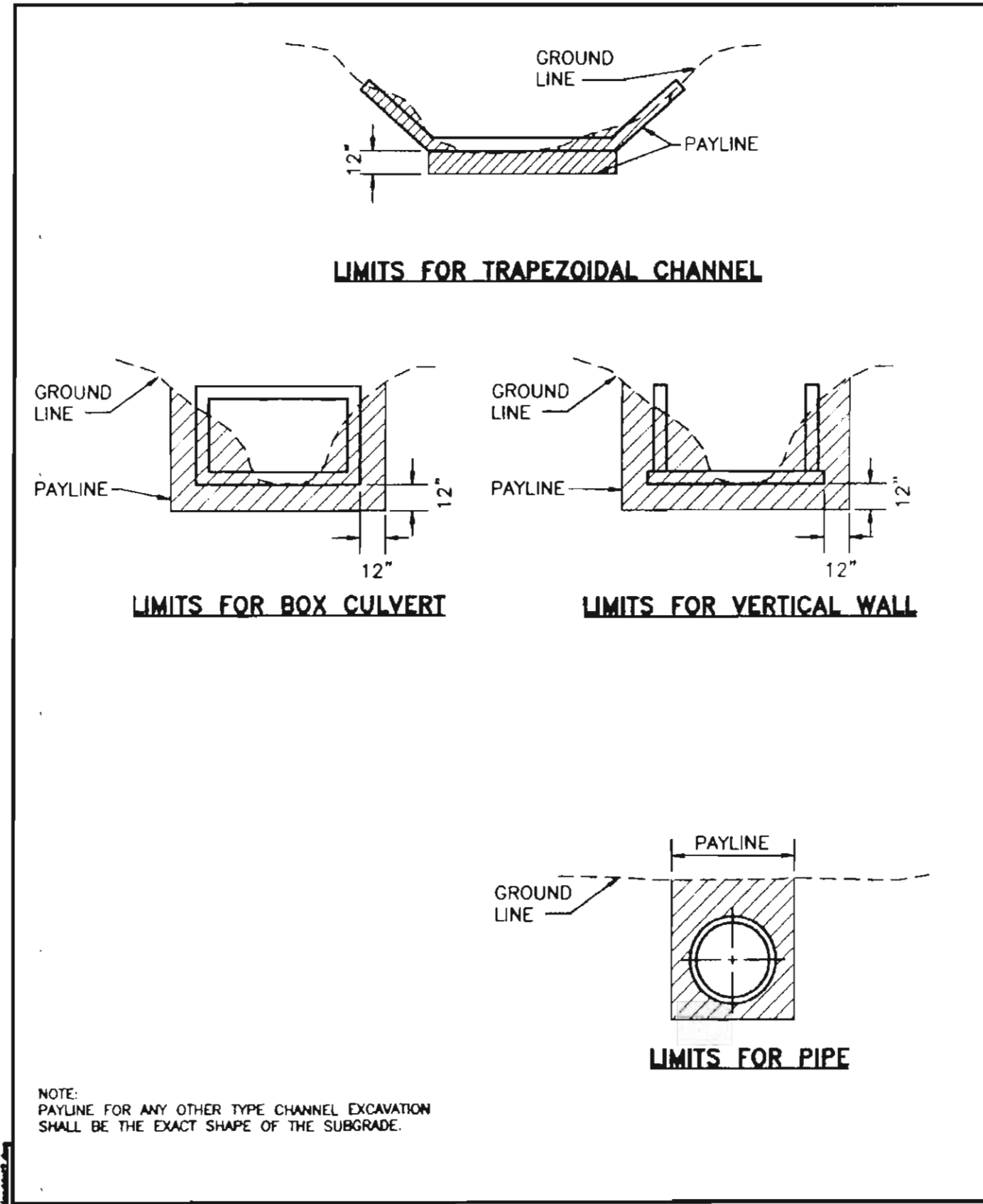


ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASEMENT	INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASEMENT
4	30	2.50	3.28				
6	30	2.50	3.59				
8	30	2.50	3.87				
10	30	2.50	4.09				
12	30	2.50	4.25				
15	36	3.00	5.55				
18	36	3.00	5.77	14 x 23	41	3.42	5.94
21	39	3.25	6.61				
24	42	3.50	7.39	19 x 30	49	4.08	7.68
27	45	3.75	8.18	22 x 34	53	4.42	8.61
30	49	4.08	9.30	24 x 38	58	4.83	9.70
33	53	4.42	10.53	27 x 42	62	5.17	10.71
36	56	4.67	11.43	29 x 45	66	5.50	11.72
39		DISCONTINUED		32 x 49	71	5.92	13.14
42	63	5.25	13.38	34 x 53	75	6.25	14.05
48	70	5.83	15.67	38 x 60	83	6.92	16.18
54	77	6.42	18.15	43 x 68	92	7.67	18.81
60	84	7.00	20.73	48 x 76	101	8.42	21.59
66	91	7.58	23.45	53 x 83	109	9.08	24.35
72	98	8.17	26.37	58 x 91	118	9.83	27.45
78	105	8.75	29.39	63 x 98	126	10.50	30.50
84	112	9.33	32.57	68 x 106	135	11.25	33.91
90	119	9.92	35.90	72 x 113	143	11.92	36.99
96	126	10.50	39.37	77 x 121	152	12.67	40.69
102	133	11.08	42.99	82 x 128	160	13.33	44.45
108	140	11.67	46.75	87 x 136	168	14.00	47.79
114	147	12.25	50.66	92 x 143	176	14.67	51.70
120	154	12.83	54.72	97 x 151	185	15.42	56.01
126	161	13.42	58.92				
132	168	14.00	63.27	106 x 166	202	16.83	64.48
144	182	15.17	72.40	116 x 180	218	18.17	73.59

**DUCKETT CREEK SANITARY DISTRICT**

PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE

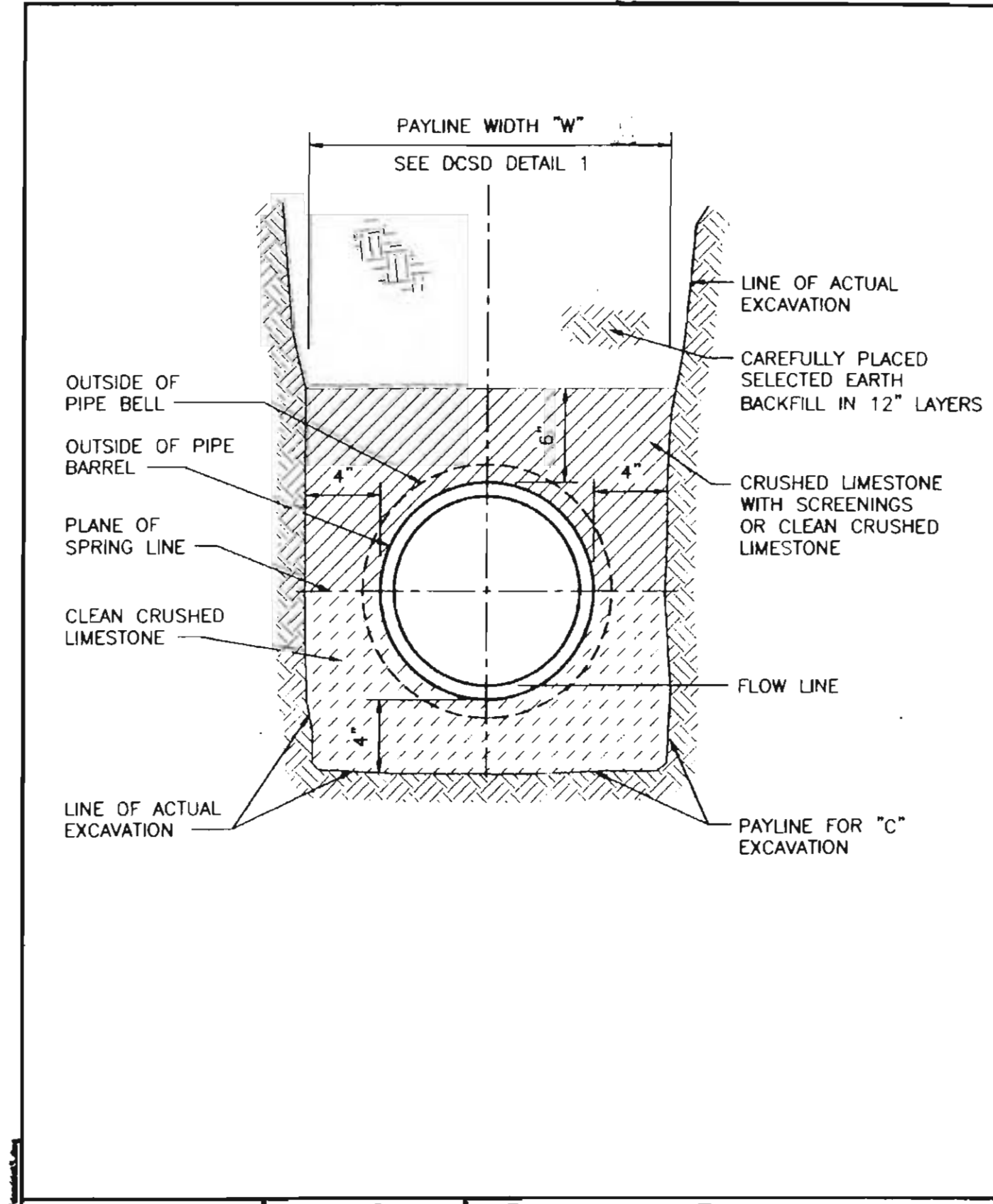
Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 12-21-99 Detail No. 1



**DUCKETT CREEK SANITARY DISTRICT**

PAYLINE LIMITS FOR EXCAVATION

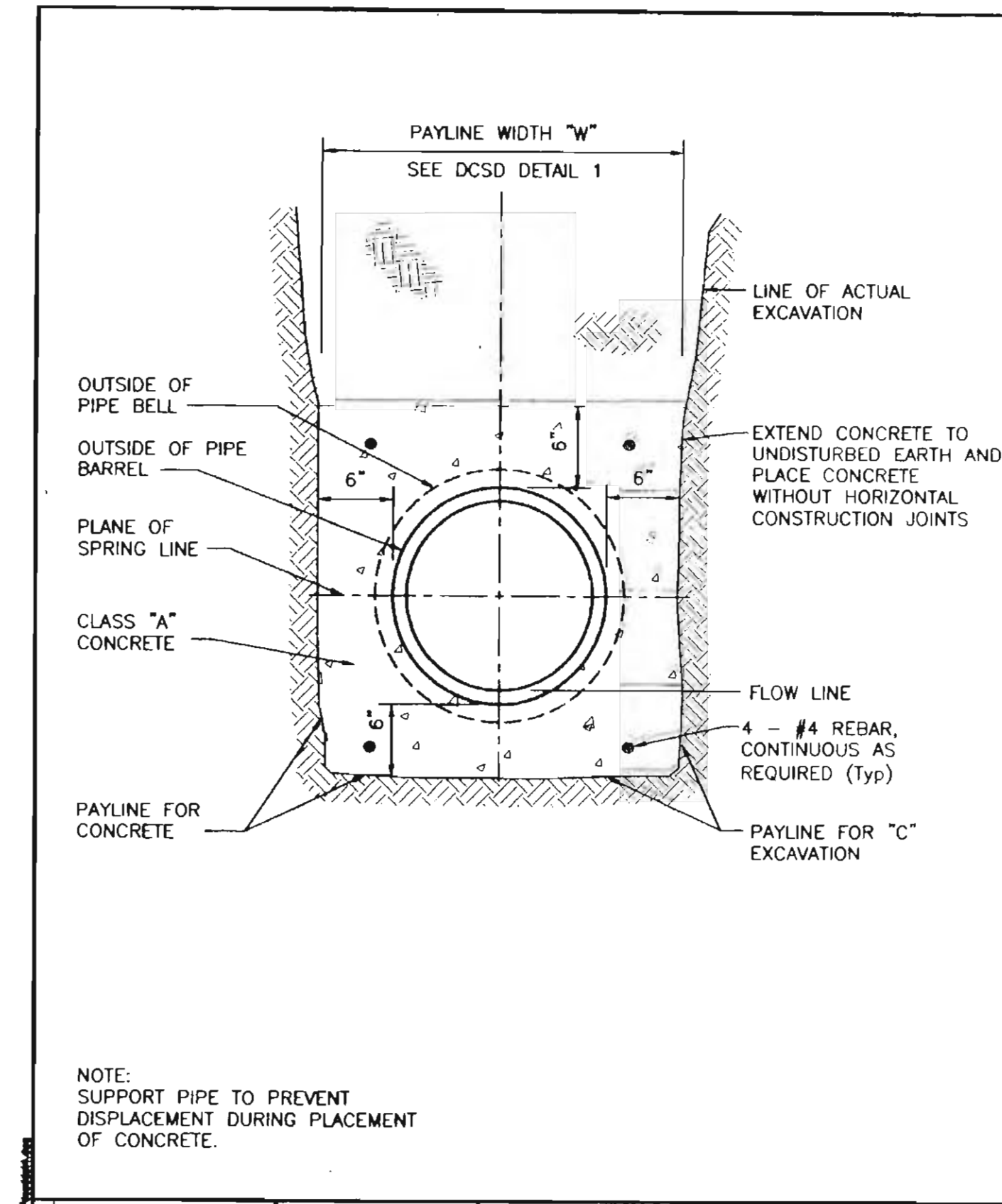
Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 12-21-99 Detail No. 2



**DUCKETT CREEK SANITARY DISTRICT**

PIPE BEDDING CLASS "C" (FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)

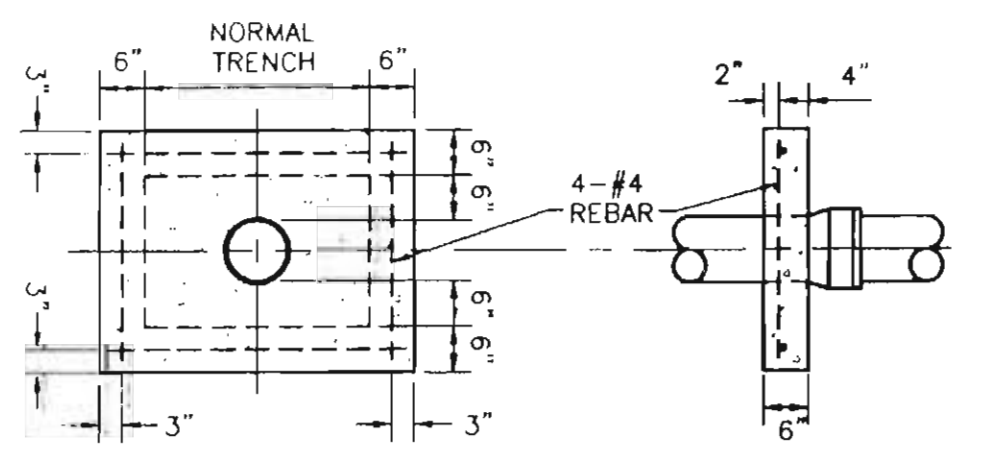
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 Check By: MDOB Date: 12-21-99 Detail No. 3



**DUCKETT CREEK SANITARY DISTRICT**

TYPICAL CONCRETE ENCASEMENT

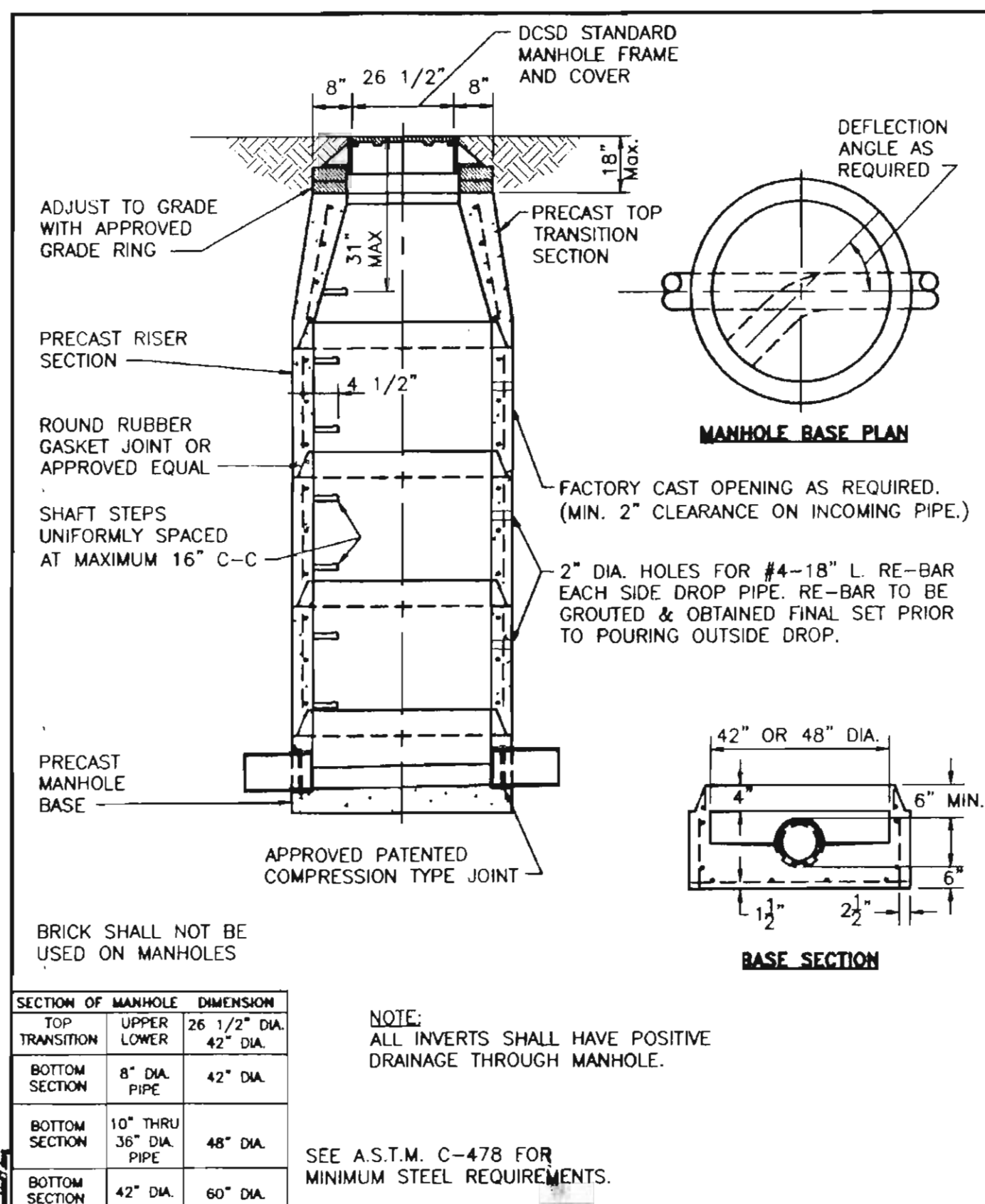
Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 12-21-99 Detail No. 4



**DUCKETT CREEK SANITARY DISTRICT**

CONCRETE ANTI-SLIP COLLAR FOR PVC PIPE ON PIPE SLOPES FROM 15% TO 50%

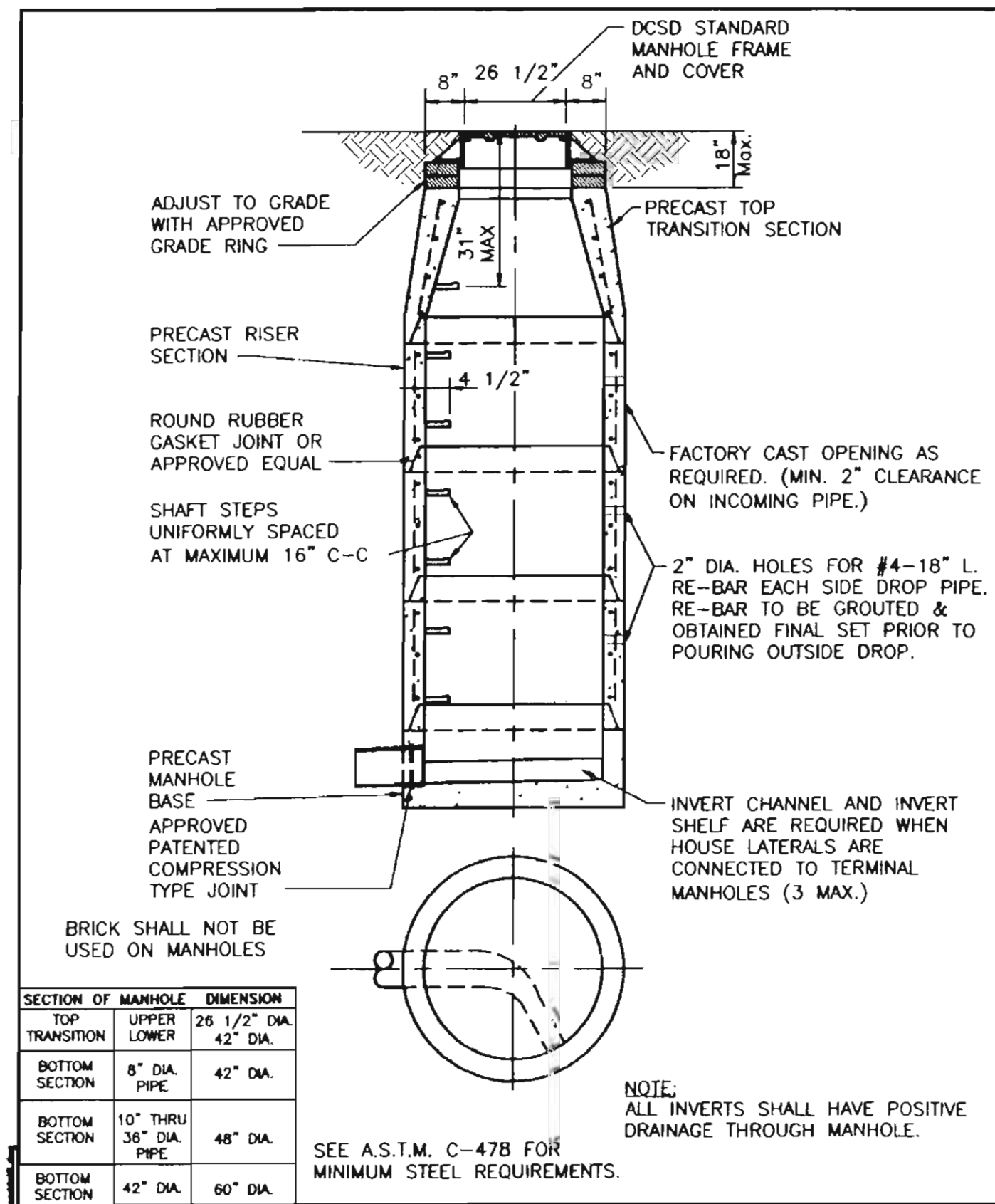
Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 12-21-99 Detail No. 5



**DUCKETT CREEK SANITARY DISTRICT**

PRE-CAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 18"

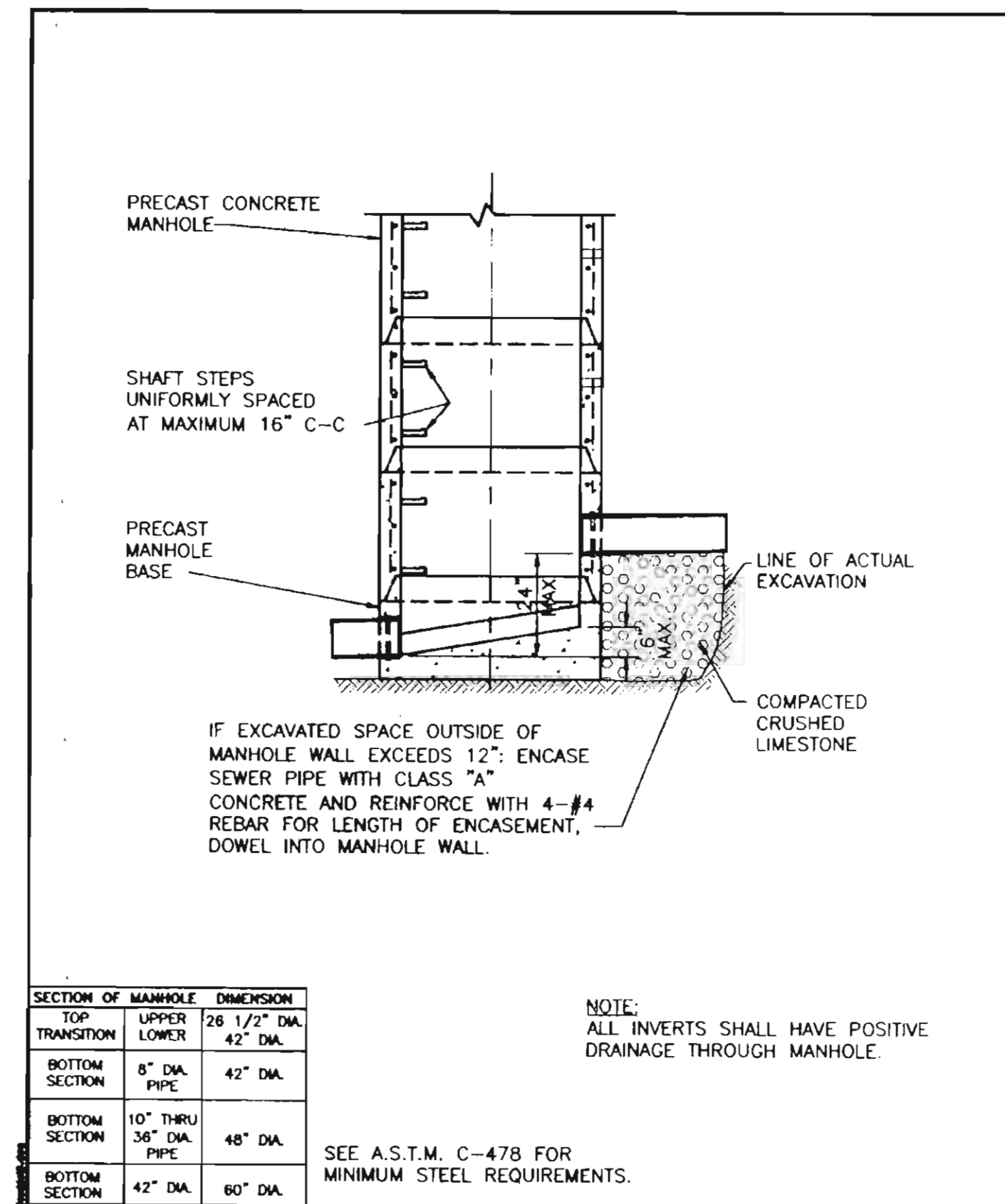
Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 12-30-99 Detail No. 7



**DUCKETT CREEK SANITARY DISTRICT**

TERMINAL MANHOLE FOR SEWERS 8" THROUGH 18"

Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 01-03-00 Detail No. 8



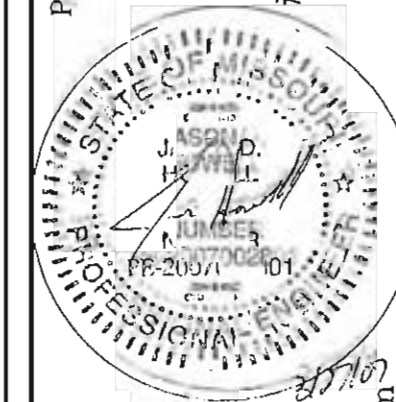
**DUCKETT CREEK SANITARY DISTRICT**

INSIDE FOULWATER DROP MANHOLE (SWEEP INVERT)

Drawn By: BSM App By: KLA  
 Check By: MDOB Date: 01-04-00 Detail No. 9

ISSUE REMARKS/DATE  
 1 FIRST SUBMITTAL 01-01-07

PREPARED FOR:  
**McBride and Son Homes Land Development, Inc.**  
 #1 McBride and Son Center Drive  
 Chesterfield, Missouri 63005  
 (636) 537-2000



PREPARED BY:  
**STERLING CO.**  
 ENGINEERS & SURVEYORS  
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 ST. LOUIS, MISSOURI 63129  
 (314)-457-0440 FAX 457-6844  
 E-Mail: Sterling@sterling-eng-survey.com

DRAWN: DESIGNED: CHECKED:

PROJECT:  
**BELMONTE LANDING**  
 SHEET TITLE: DUCKETT CREEK SEWER DETAILS

NO. 05 11 363  
 M.S.D. SHEET 0.3  
 P#  
 DATE FILE LOC. DATE  
 12/21/99 12/21/99 12/21/99  
 11/11/03 11/11/03 11/11/03

O'FALLON FILE # 4406.01  
 P&Z APPROVAL: DEC. 7, 2006

Drawing name: 4:\151253 Belmonte Landing\dwg\Improvement\1363imp.dwg Plotted on: Mar 05, 2007 - 3:21pm Plotted by: jchovet