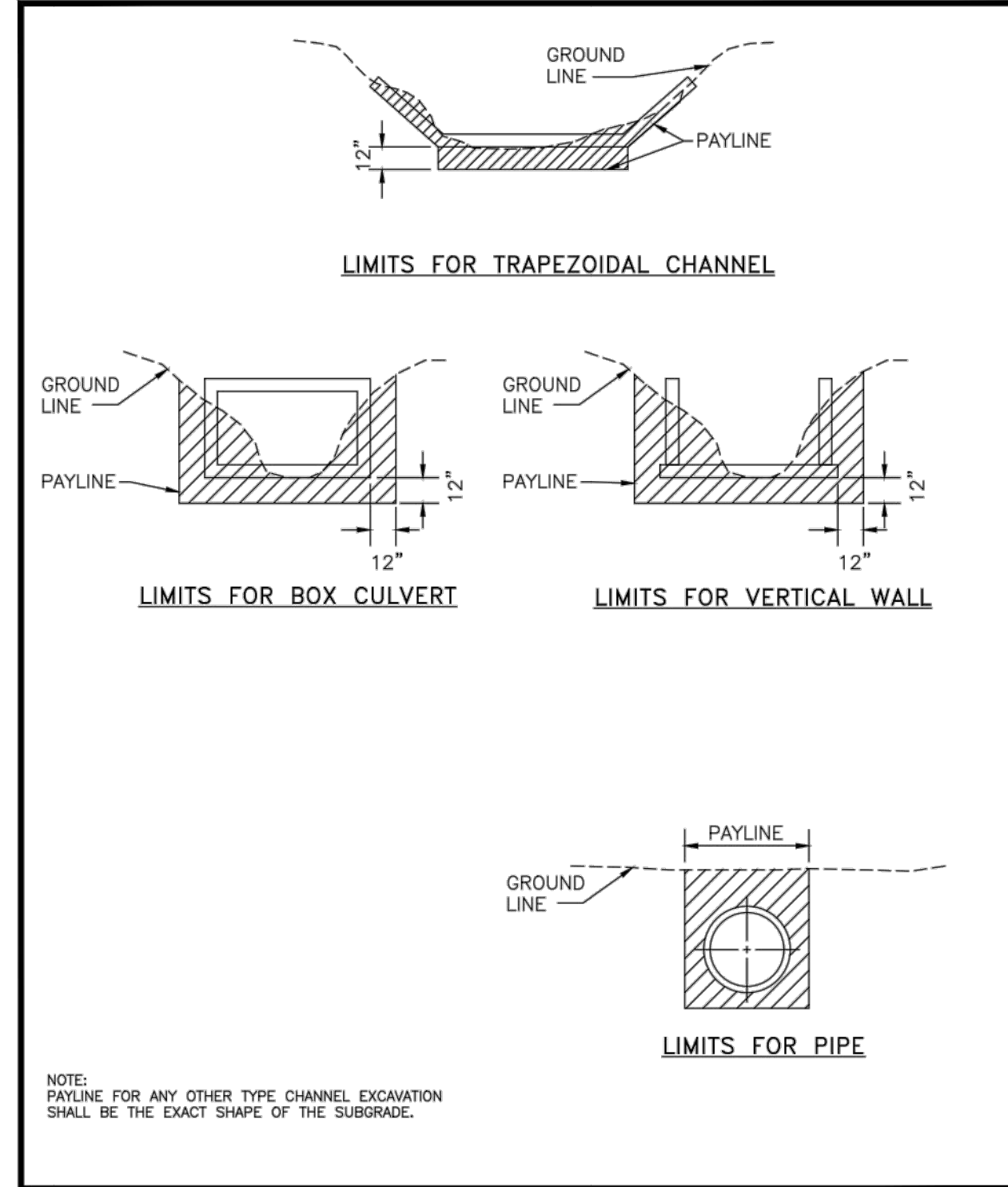
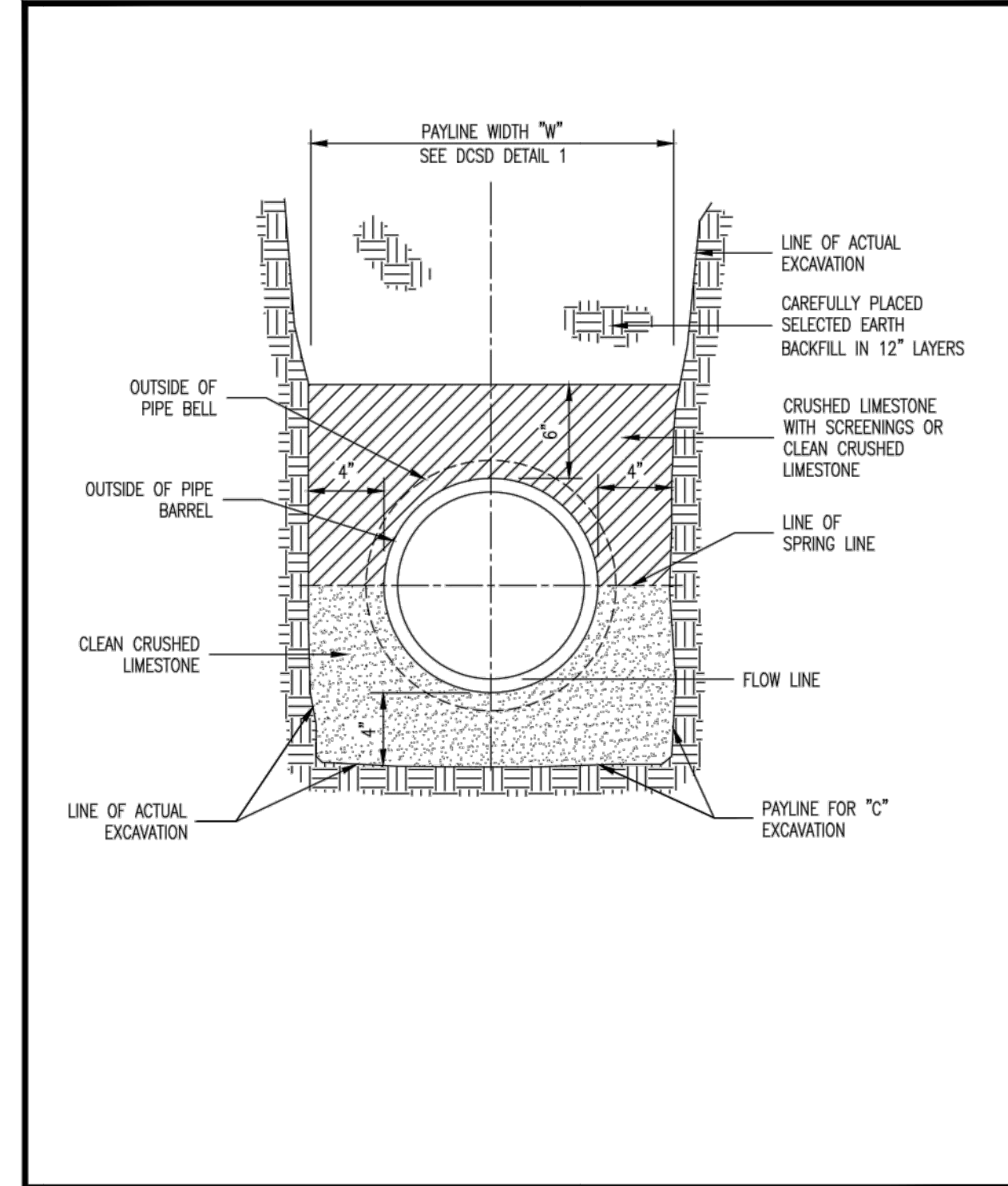


ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CONCRETE ENCASUREMENT (CU. FT. PER FT.)	INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CONCRETE ENCASUREMENT (CU. FT. PER FT.)
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				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

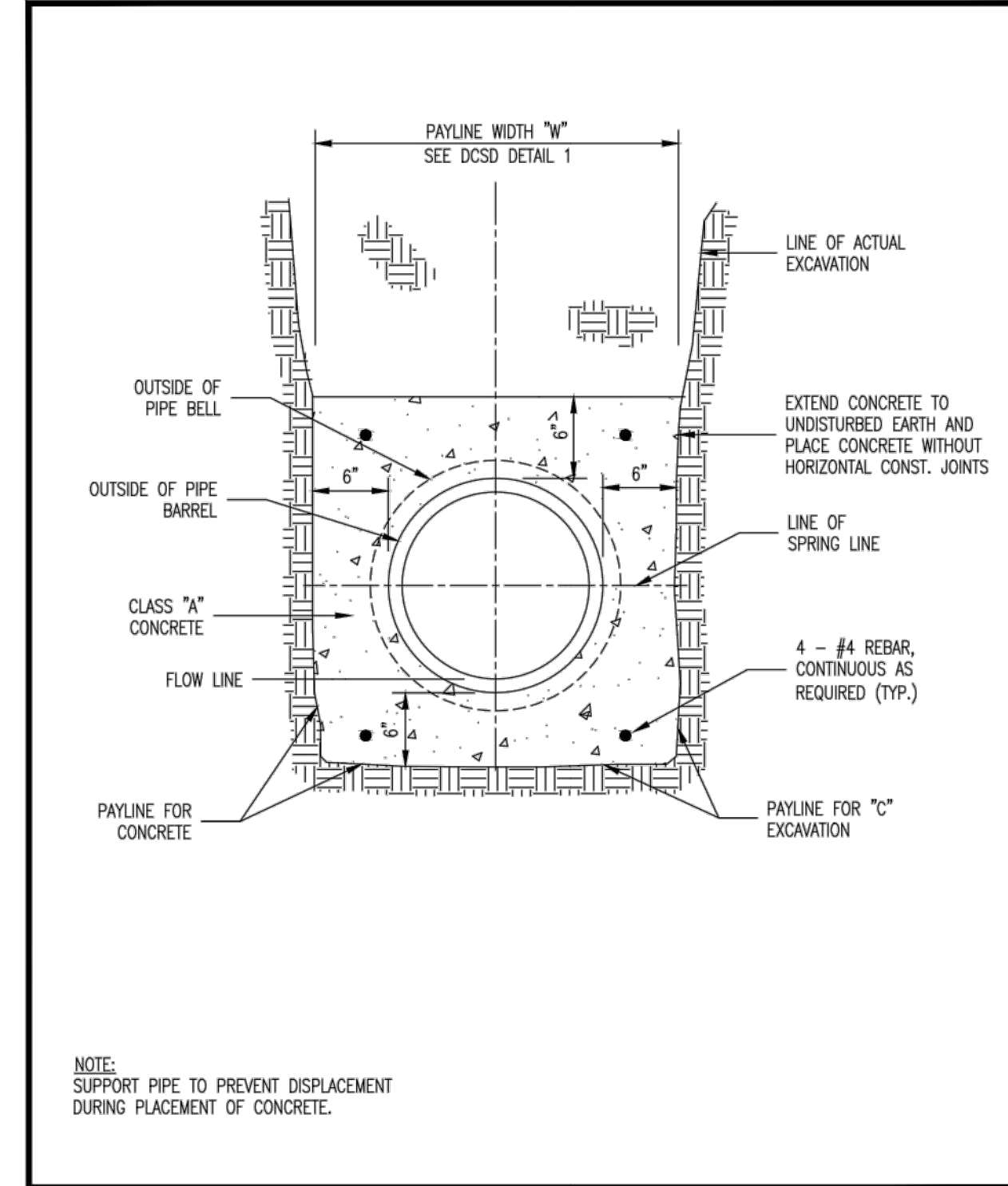
**Duckett Creek Sanitary District**  
 PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE  
 Drawn By: BSM, App By: KLA, Detail No. 1  
 Check By: MDOB, Date: DEC. 2015



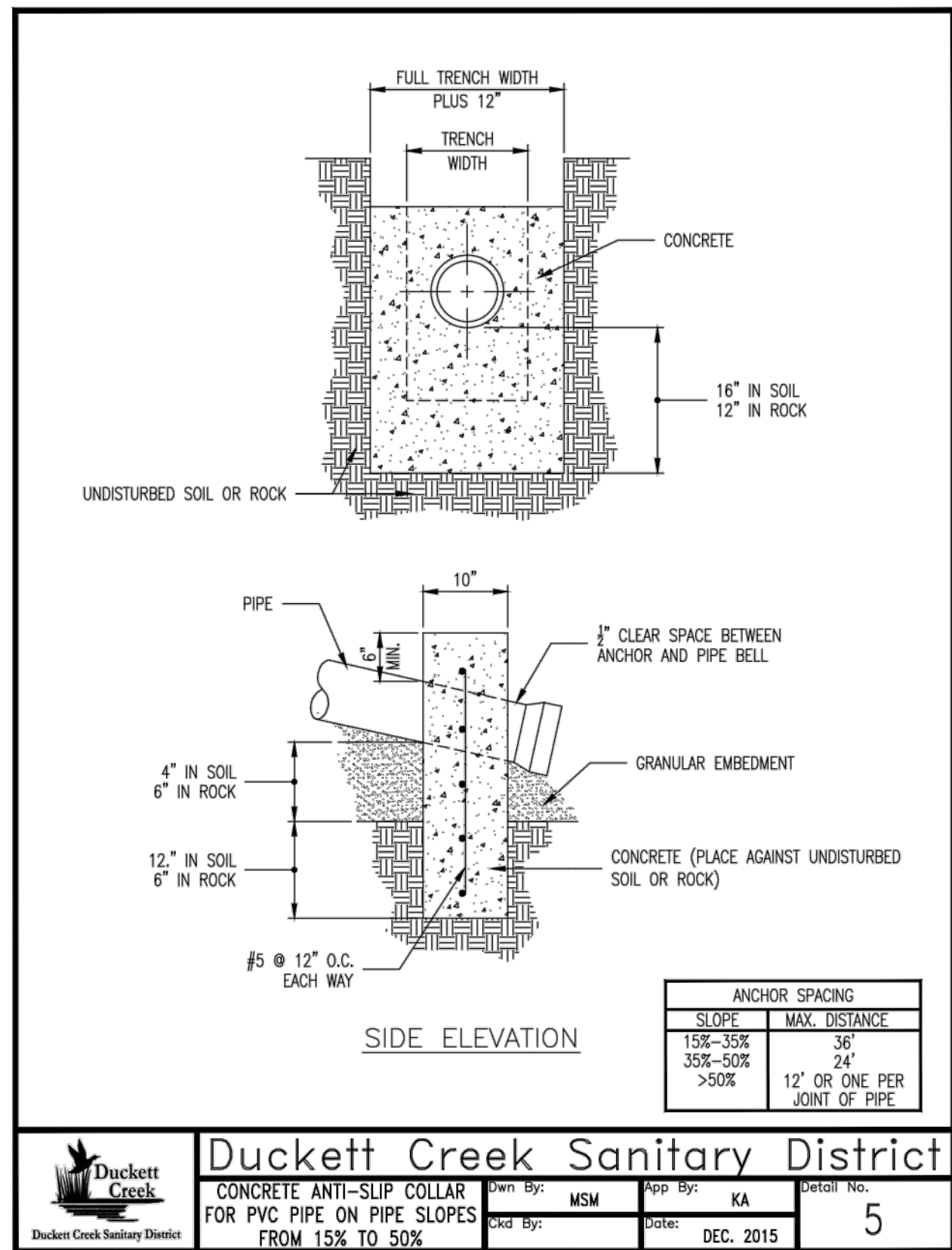
**Duckett Creek Sanitary District**  
 PAYLINE LIMITS FOR EXCAVATION  
 Drawn By: BSM, App By: KLA, Detail No. 2  
 Check By: MDOB, Date: DEC. 2015



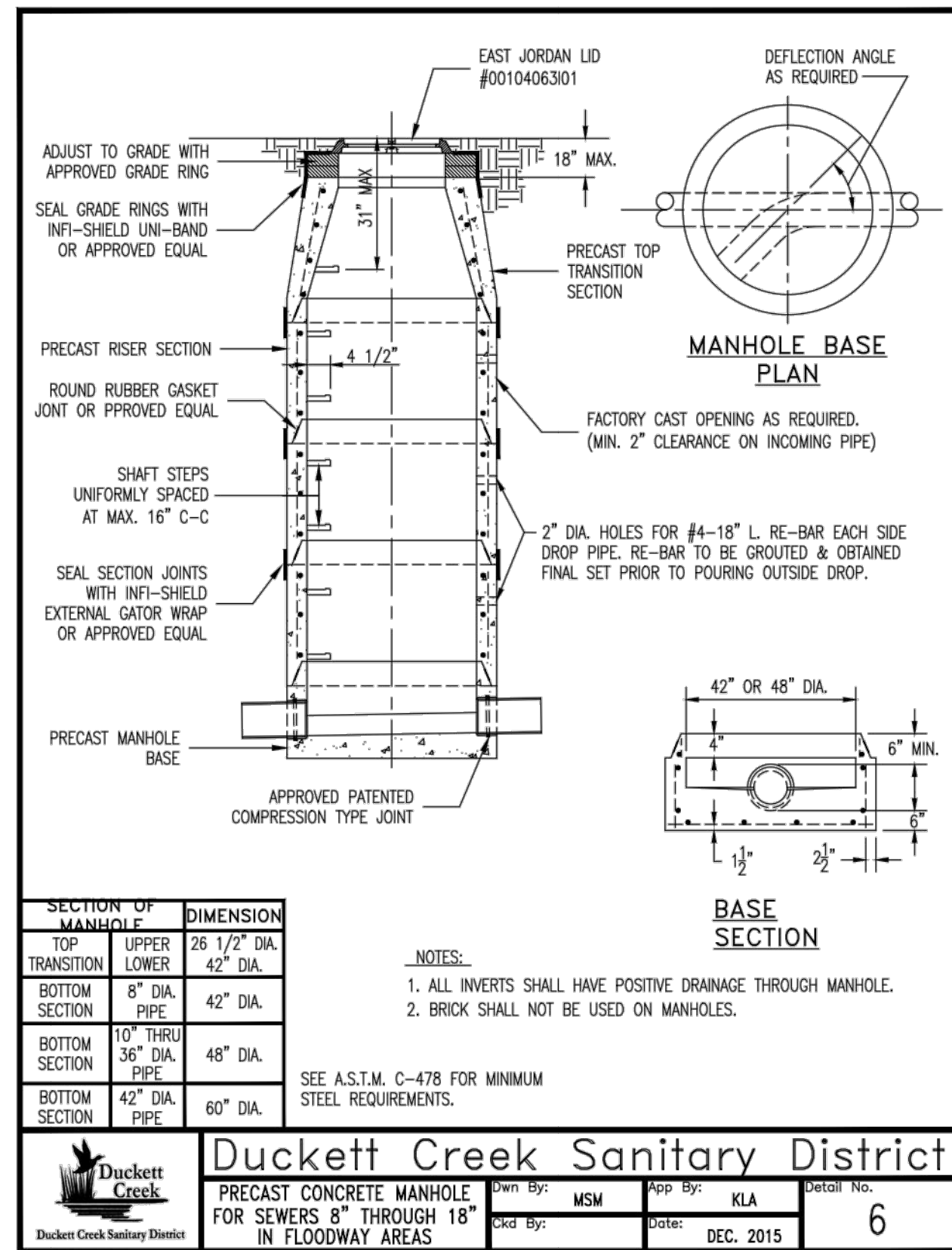
**Duckett Creek Sanitary District**  
 PIPE BEDDING CLASS "C" (FOR ALL EXCEPT REINFORCED CONCRETE PIPE)  
 Drawn By: BSM, App By: KA, Detail No. 3  
 Check By: MDOB, Date: DEC. 2015



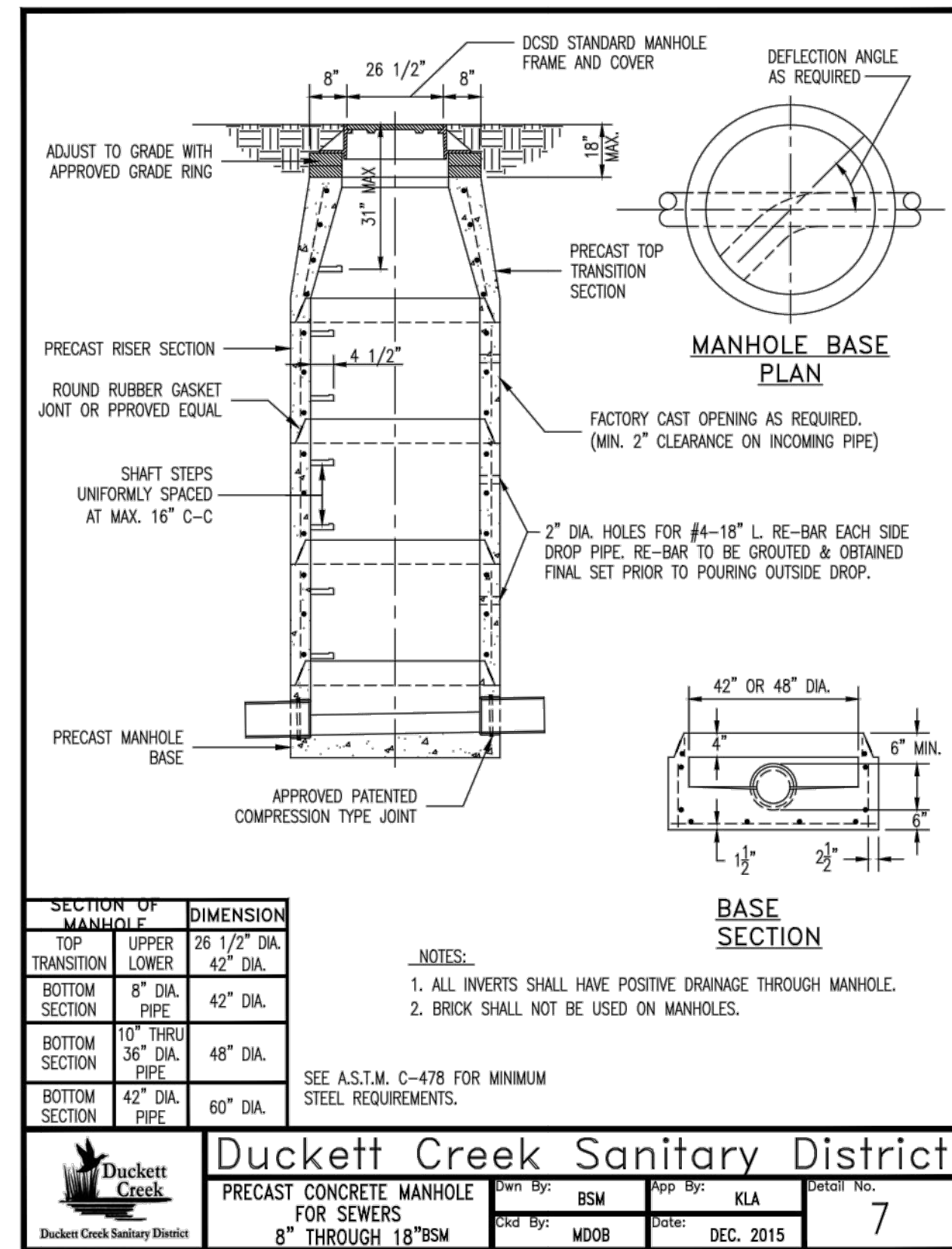
**Duckett Creek Sanitary District**  
 TYPICAL CONCRETE ENCASUREMENT  
 Drawn By: BSM, App By: KA, Detail No. 4  
 Check By: MDOB, Date: DEC. 2015



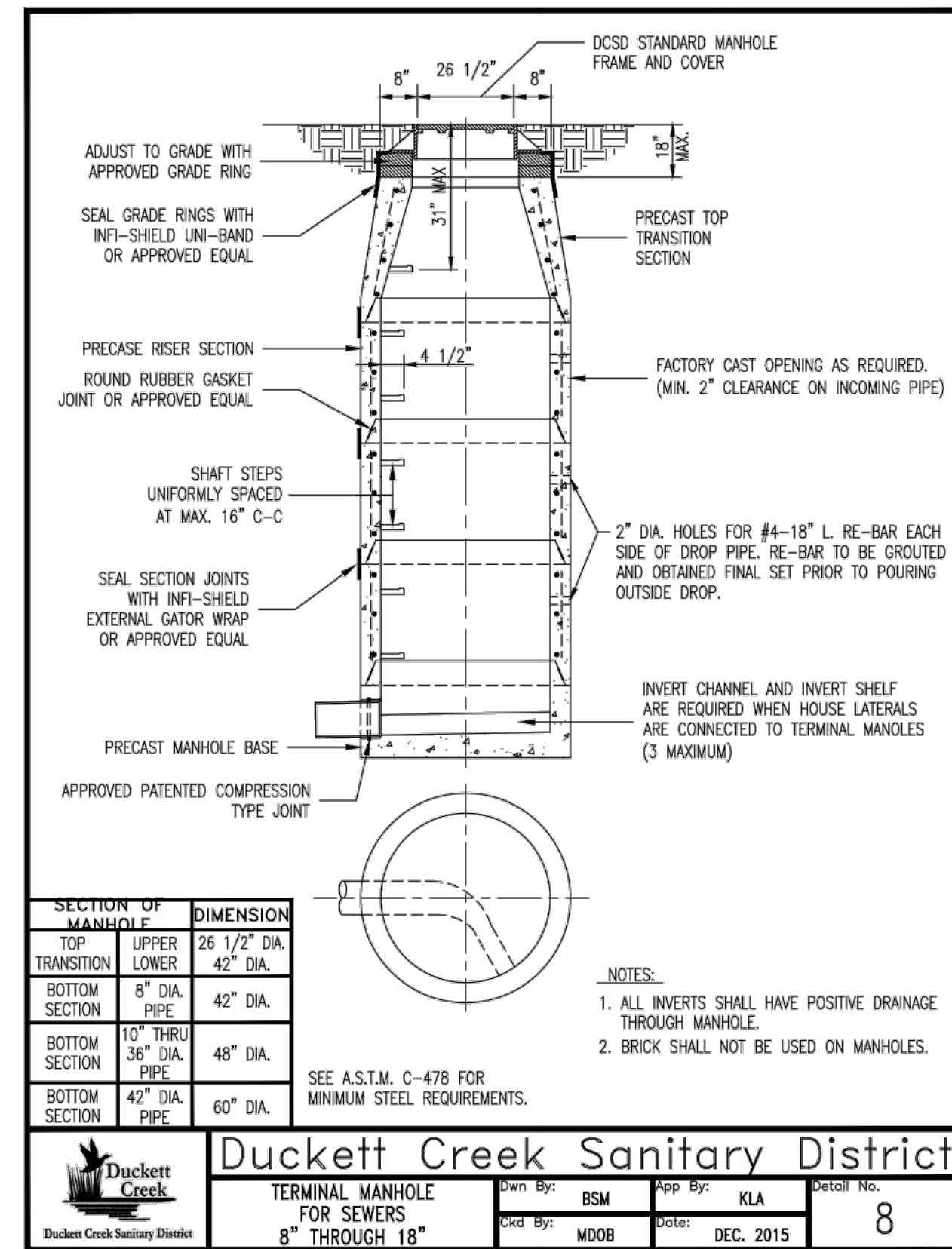
**Duckett Creek Sanitary District**  
 CONCRETE ANTI-SLIP COLLAR FOR PVC PIPE ON PIPE SLOPES FROM 15% TO 50%  
 Drawn By: MSM, App By: KA, Detail No. 5  
 Check By: MDOB, Date: DEC. 2015



**Duckett Creek Sanitary District**  
 PRECAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 18" IN FLOODWAY AREAS  
 Drawn By: MSM, App By: KLA, Detail No. 6  
 Check By: MDOB, Date: DEC. 2015



**Duckett Creek Sanitary District**  
 PRECAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 18"  
 Drawn By: BSM, App By: KLA, Detail No. 7  
 Check By: MDOB, Date: DEC. 2015



**Duckett Creek Sanitary District**  
 TERMINAL MANHOLE FOR SEWERS 8" THROUGH 18"  
 Drawn By: BSM, App By: KLA, Detail No. 8  
 Check By: MDOB, Date: DEC. 2015

**PROJECT TITLE**  
 IMPROVEMENT PLANS  
 THE VILLAGES AT  
 MONTRACHET (REVISED)

**DETAILS**  
 PFS No. 14055MCH000R, TASK 017 FIELD BOOK 1476

**PICKETT, RAY & SILVER INC**  
 CIVIL ENGINEERING, LAND SURVEYING,  
 AND NATURAL RESOURCES SERVICES

St. Peters, Missouri  
 22 Richmond Center Court  
 St. Peters, MO 63376  
 Phone (636) 397-1211 Fax (636) 397-1104  
 www.prs.com 1-800-708-3918

**ENGINEER'S AUTHENTICATION**  
 THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS SOLELY LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE, AND DATE HEREON ATTACHED. RESPONSIBILITY IS DISCLAIMED FOR ALL OTHER ENGINEERING PLANS PROVIDED IN THIS PROJECT AND SPECIFICALLY EXCLUDES REVISIONS AFTER THIS DATE UNLESS REAUTHENTICATED.

**PICKETT, RAY & SILVER, INC. MO LICENSE #000326**

**KARL ANTHONY SCHOENKE**  
 PROFESSIONAL ENGINEER  
 NUMBER PE-2003015039  
 ELECTRONIC SEAL  
 KARL A. SCHOENKE, P.E.  
 PROFESSIONAL ENGINEER LICENSE 2003015039

**Developer / Owner Information**  
 MONTRACHET DEVELOPMENT LLC  
 218 Chesterfield Towne Centre  
 Chesterfield, Missouri 63005  
 Phone: 636-550-6900

P+Z No. 15-15.01  
 City No. 15-742-SP  
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