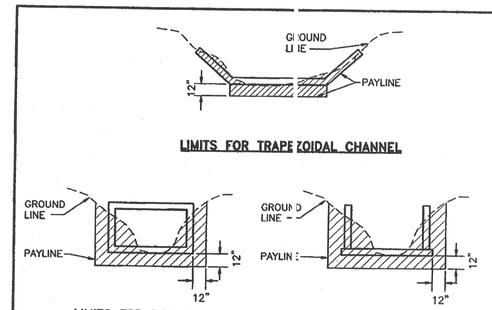
ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASEMENT	INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	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 x30	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

Dwn By: BSM | App By: KLA | Detail No. 1
Chkd By: MDOB | Date: 12-21-99

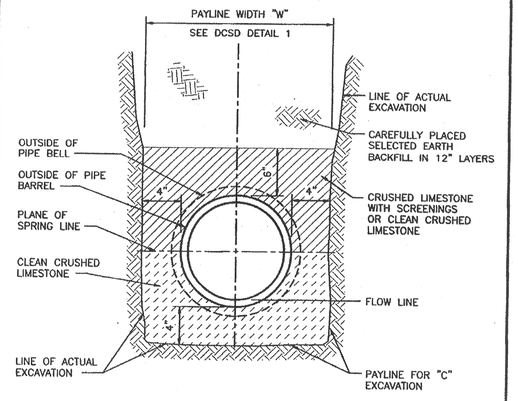


NOTE:
PAYLINE FOR ANY OTHER TYPE CHANNEL EXCAVATION SHALL BE THE EXACT SHAPE OF THE SUBGRADE.

Duckett Creek Sanitary District

PAYLINE LIMITS FOR EXCAVATION

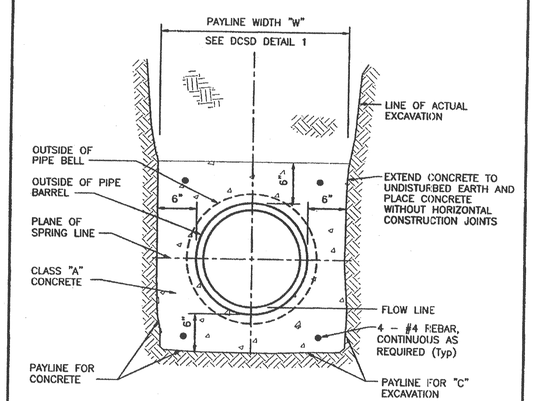
Dwn By: BSM | App By: KLA | Detail No. 2
Chkd By: MDOB | Date: 12-21-99



Duckett Creek Sanitary District

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

Dwn By: BSM | App By: KLA | Detail No. 3
Chkd By: MDOB | Date: 12-21-99



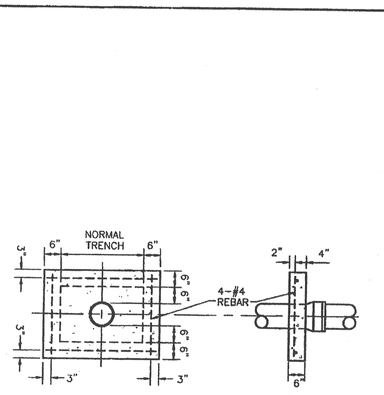
NOTE:
SUPPORT PIPE TO PREVENT DISPLACEMENT DURING PLACEMENT OF CONCRETE.

RECEIVED
JUN 22 2006
ST CHARLES COUNTY
COMMUNITY DEVELOPMENT DEPT
DEVELOPMENT REVIEW DIVISION

Duckett Creek Sanitary District

TYPICAL CONCRETE ENCASEMENT

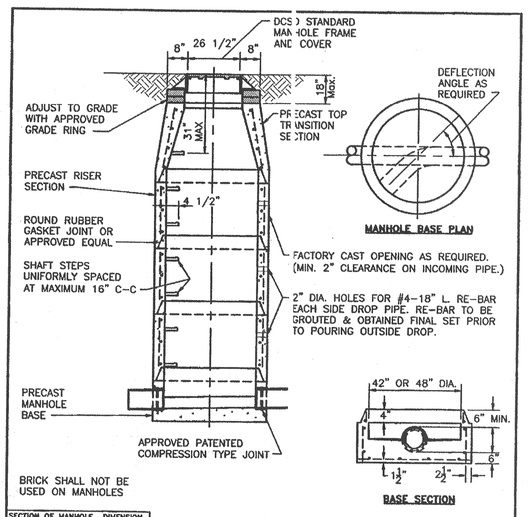
Dwn By: BSM | App By: KLA | Detail No. 4
Chkd By: MDOB | Date: 12-21-99



Duckett Creek Sanitary District

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

Dwn By: BSM | App By: KLA | Detail No. 5
Chkd By: MDOB | Date: 12-21-99



BRICK SHALL NOT BE USED ON MANHOLES

SECTION OF MANHOLE		DIMENSION
TOP TRANSITION	UPPER LOWER	26 1/2" DIA. 42" DIA.
BOTTOM SECTION	8" DIA. PIPE	42" DIA.
BOTTOM SECTION	10" THRU 36" DIA. PIPE	48" DIA.
BOTTOM SECTION	42" DIA.	60" DIA.

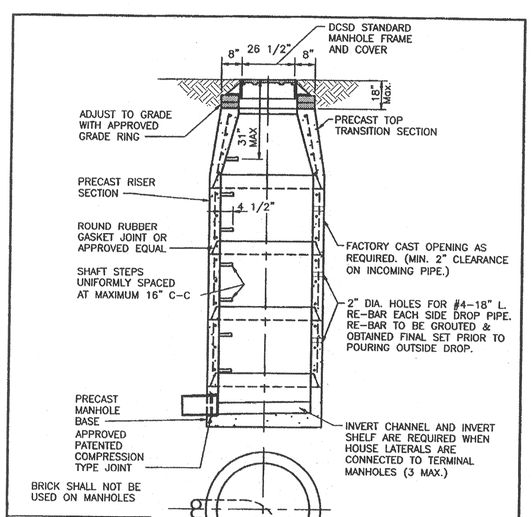
NOTE:
ALL INVERTS SHALL HAVE POSITIVE DRAINAGE THROUGH MANHOLE.

SEE A.S.T.M. C-478 FOR MINIMUM STEEL REQUIREMENTS.

Duckett Creek Sanitary District

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

Dwn By: BSM | App By: KLA | Detail No. 7
Chkd By: MDOB | Date: 12-30-99



BRICK SHALL NOT BE USED ON MANHOLES

SECTION OF MANHOLE		DIMENSION
TOP TRANSITION	UPPER LOWER	28 1/2" DIA. 42" DIA.
BOTTOM SECTION	8" DIA. PIPE	42" DIA.
BOTTOM SECTION	10" THRU 36" DIA. PIPE	48" DIA.
BOTTOM SECTION	42" DIA.	60" DIA.

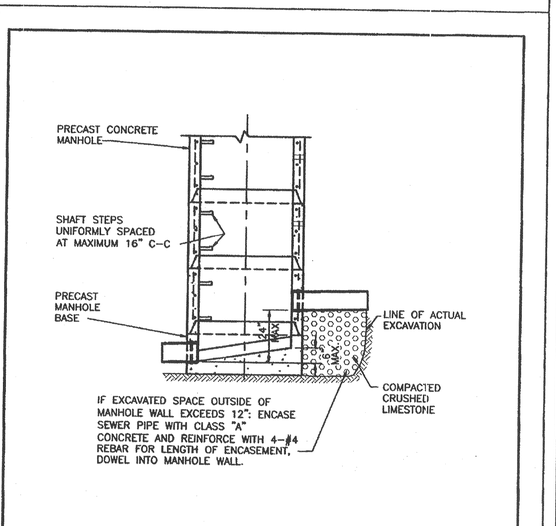
NOTE:
ALL INVERTS SHALL HAVE POSITIVE DRAINAGE THROUGH MANHOLE.

SEE A.S.T.M. C-478 FOR MINIMUM STEEL REQUIREMENTS.

Duckett Creek Sanitary District

TERMINAL MANHOLE FOR SEWERS 8" THROUGH 18"

Dwn By: BSM | App By: KLA | Detail No. 8
Chkd By: MDOB | Date: 01-03-00



SECTION OF MANHOLE		DIMENSION
TOP TRANSITION	UPPER LOWER	26 1/2" DIA. 42" DIA.
BOTTOM SECTION	8" DIA. PIPE	42" DIA.
BOTTOM SECTION	10" THRU 36" DIA. PIPE	48" DIA.
BOTTOM SECTION	42" DIA.	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

INSIDE FOULWATER DROP MANHOLE (SWEEP INVERT)

Dwn By: BSM | App By: KLA | Detail No. 9
Chkd By: MDOB | Date: 01-04-00

NOTE: THE DETAILS SHOWN HEREIN ARE FOR THE PURPOSE OF PRIVATE CONSTRUCTION ONLY. PUBLIC CONSTRUCTION WILL REQUIRE STRICT ADHERENCE TO THE DETAILS PUBLISHED BY DUCKETT CREEK AND ST. CHARLES COUNTY.

REVISIONS

DESC.	DATE
A CHARLES COUNTY COMMENTS	4/28/06
A DUCKETT CREEK SAN DIST COMMENTS	5/5/06
A DUCKETT CREEK SAN DIST COMMENTS	6/5/06
A PWSD #2 REVIEW COMMENTS	6/5/06
A COUNTY COMMENTS	6/21/06

DEVELOPER/OWNER:
THE JONES COMPANY HOMES, L.L.C.
16640 CHESTERFIELD GROVE, SUITE 160
CHESTERFIELD, MO 63005
PHONE: (636) 537-7192

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE AND PLANS DESIGNATED TO SECTION 327.411 RSMO. ANY RESPONSIBILITY FOR ALL OTHER PLANS SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO, OR INTENDED TO BE USED FOR, ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SEAL OF MISSOURI — JOHN F. HARBARGER — NUMBER E-23716 — REGISTERED PROFESSIONAL ENGINEER

PRESTON WOODS - PHASE I
IMPROVEMENT PLANS
RHODES LANE
ST. CHARLES, MO. 63366

SANITARY SEWER DETAILS

Cole and ASSOCIATES INCORPORATED
planning • engineering • surveying • landscape architecture
10777 sunset office dr. suite 10
saint louis, missouri 63127
p: 314 984 9887 f: 314 984 0587

DESIGNED BY JKW
DRAWN BY BJ
CHECKED BY JFH
DATE 2/2/06
Job Number 05-340
Sheet Number C10.1

USER: Wright, TAB, SANITARY 10.1
DATE: Jun 21, 2006 - 1:47pm
DRAWING: S:\JOBS\Jobs2006\05-340\LDS_05-340\dwg\PHASE I\IMPROVEMENT PLANS\0_IPLAN_C10.0_DETAILS.dwg