

SEE SHEET 76D

SEE SHEET 77D

**PICKETT RAY & SILVER**  
 CIVIL ENGINEERS  
 PLANNERS  
 LAND SURVEYORS

333 Mid Rivers Mall Drive  
 St. Peters, MO 63376  
 Phone (636) 397-1211  
 Fax (636) 397-1104

**WYNDGATE VILLAGE D SITE PLAN**

Prepared For:  
**SUMMIT POINTE, L.C.**

219 FOX HILL ROAD  
 ST. CHARLES, MO 63031  
 (616) 940-8977

NO.	DATE	REVISION PER CITY	REVISION PER DCSD
1	10/25/04		
2	12/20/04		
3	05/05/05	MOVE MH 202 PER CLIENT	
4	09/05/05	REVISION PER CITY & CLIENT	
5	09/05/05	REVISION PER AGENCY PLAN	

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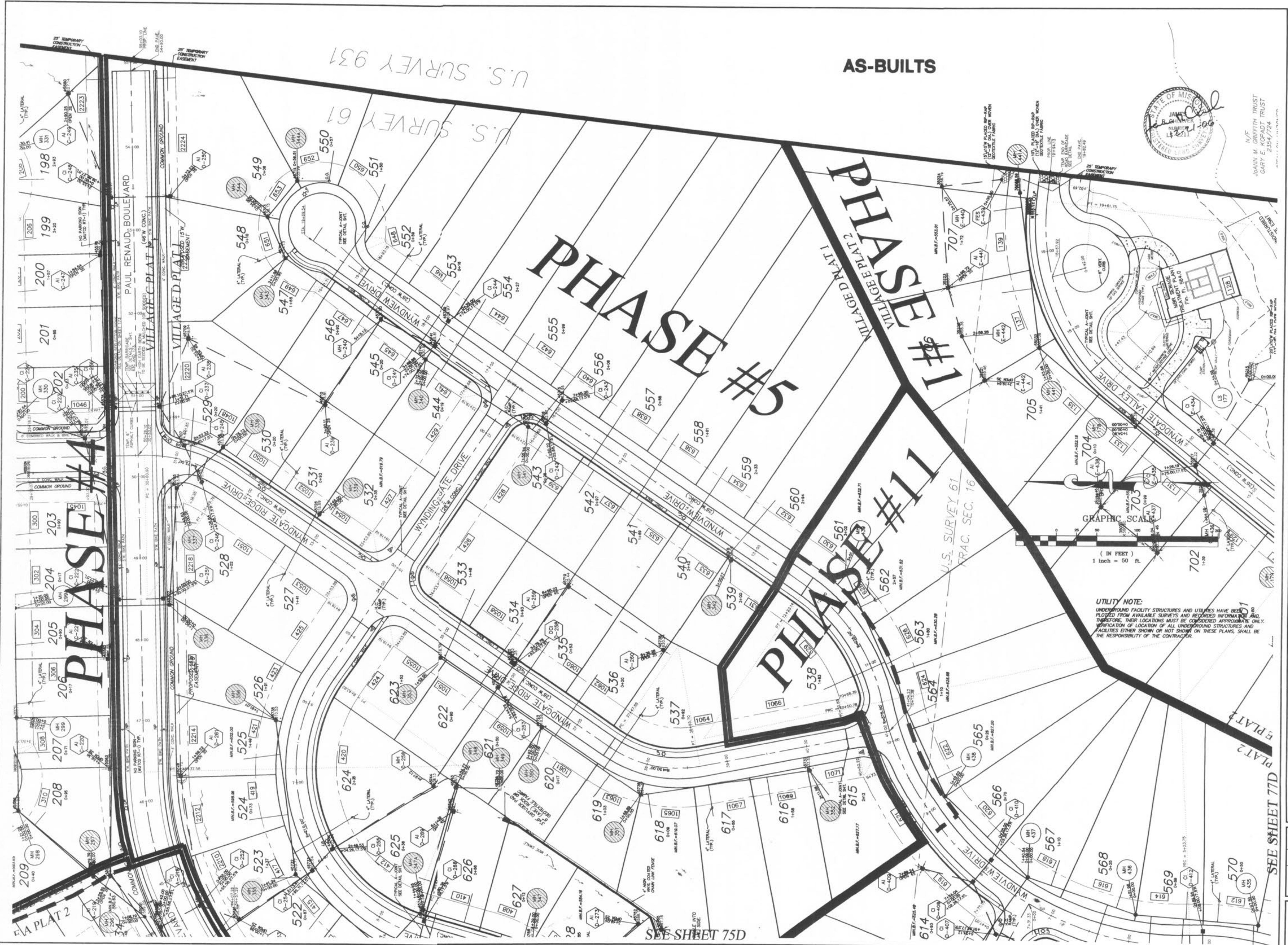
DRAWN	JEF	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT #	01267-SUPO.02R		
TASK #	2	FIELD BOOK	

WYNDGATE VILLAGE D GRADING PLAN  
 SHEET 75D OF 174  
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N/E  
JOANN M. GRIFFITH TRUST  
GARY E. KOPFADT TRUST  
2354/724

**PICKETT RAY & SILVER**  
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LAND SURVEYORS

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**WYNDGATE VILLAGE D SITE PLAN**

Prepared For:  
**SUMMIT POINTE, L.C.**

239 FOX HILL ROAD  
ST. PETERS, MO 63201  
(636) 343-8977

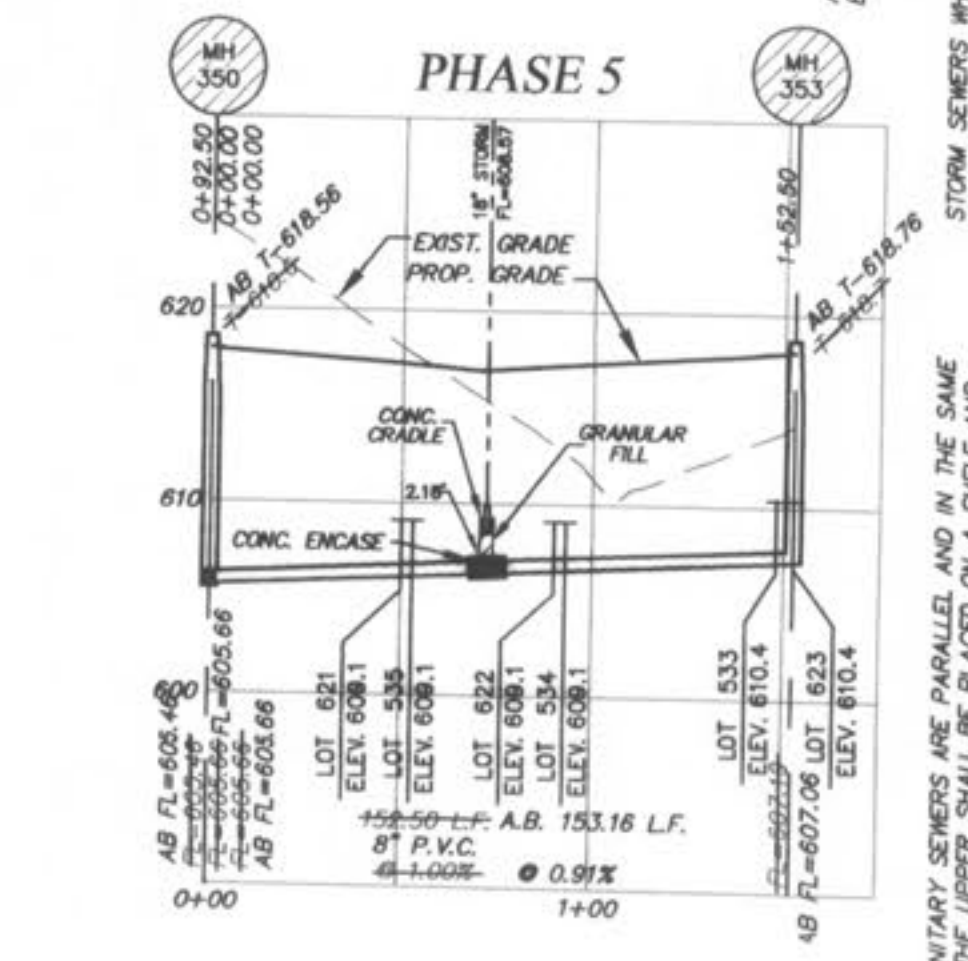
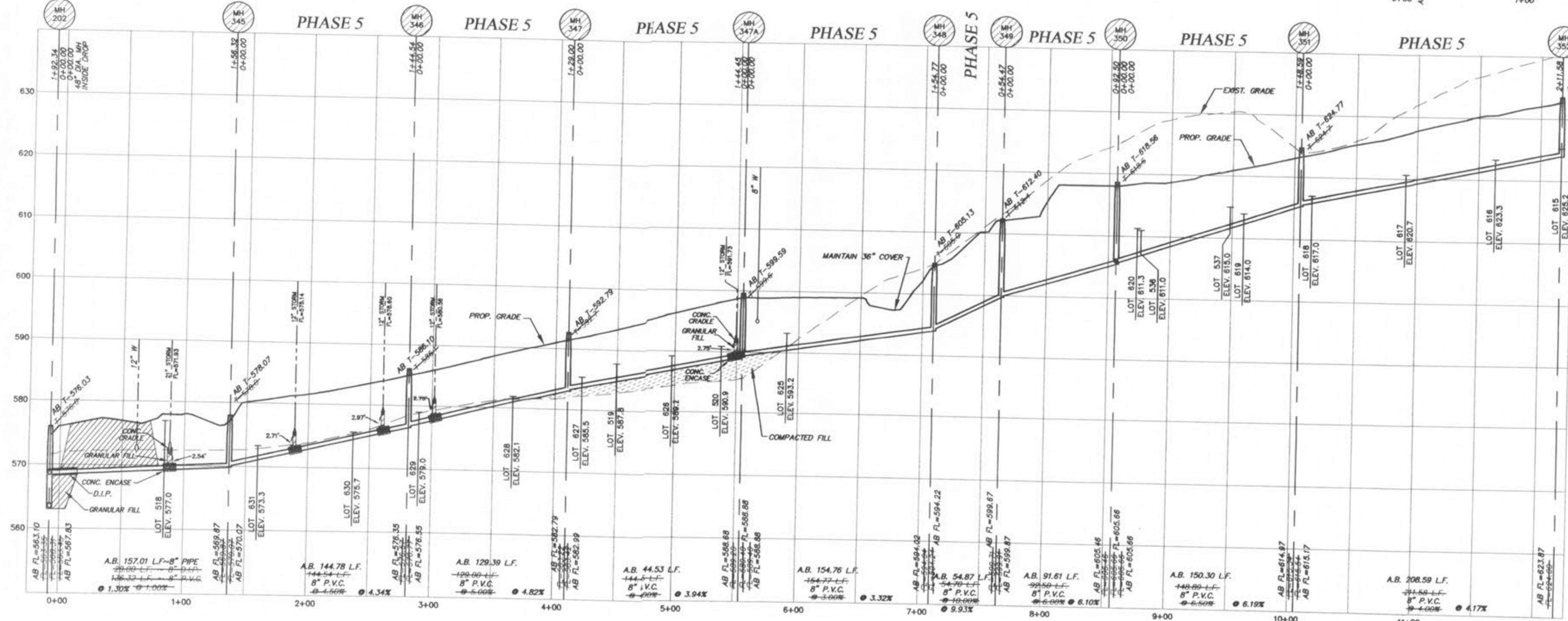
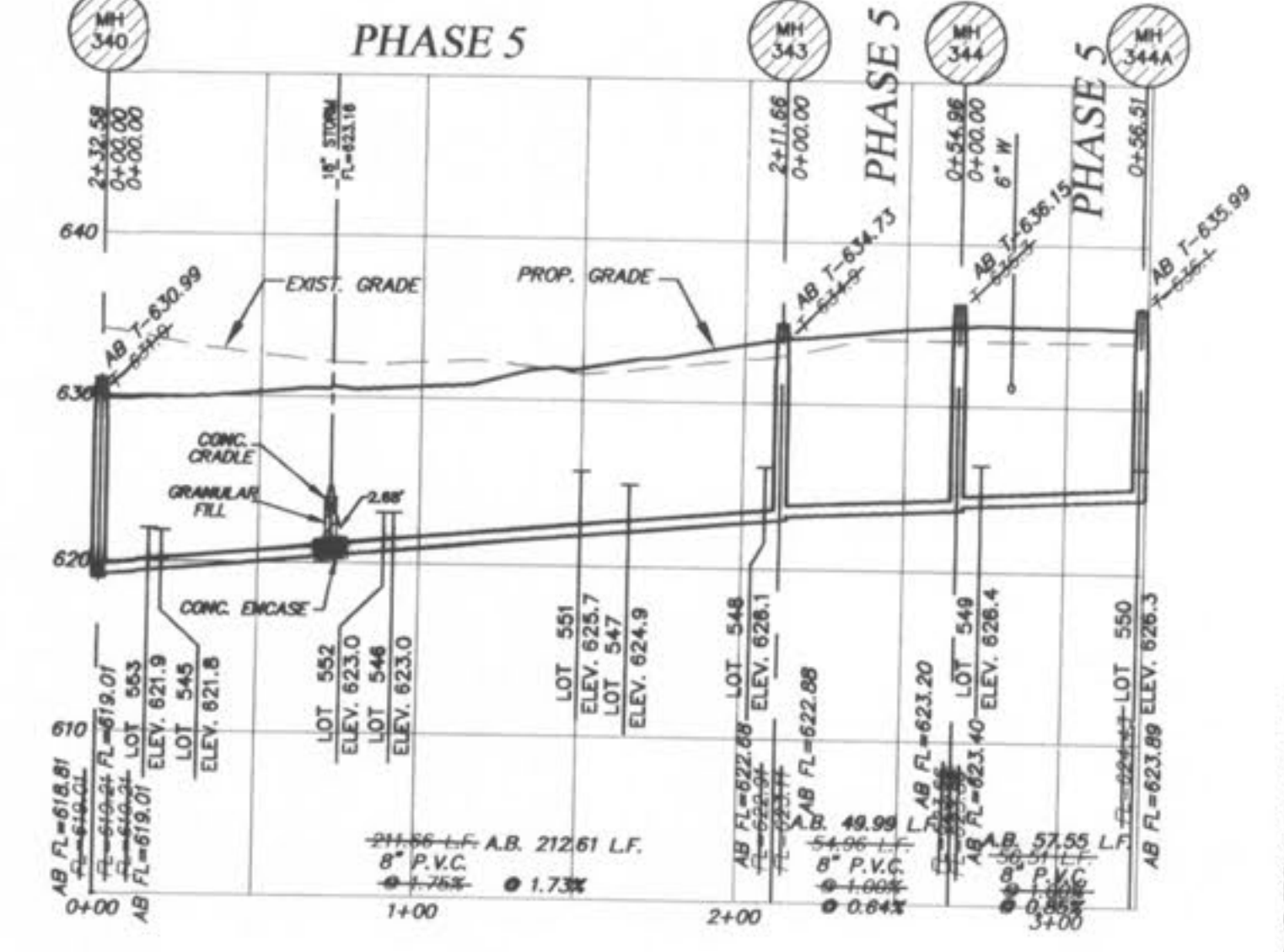
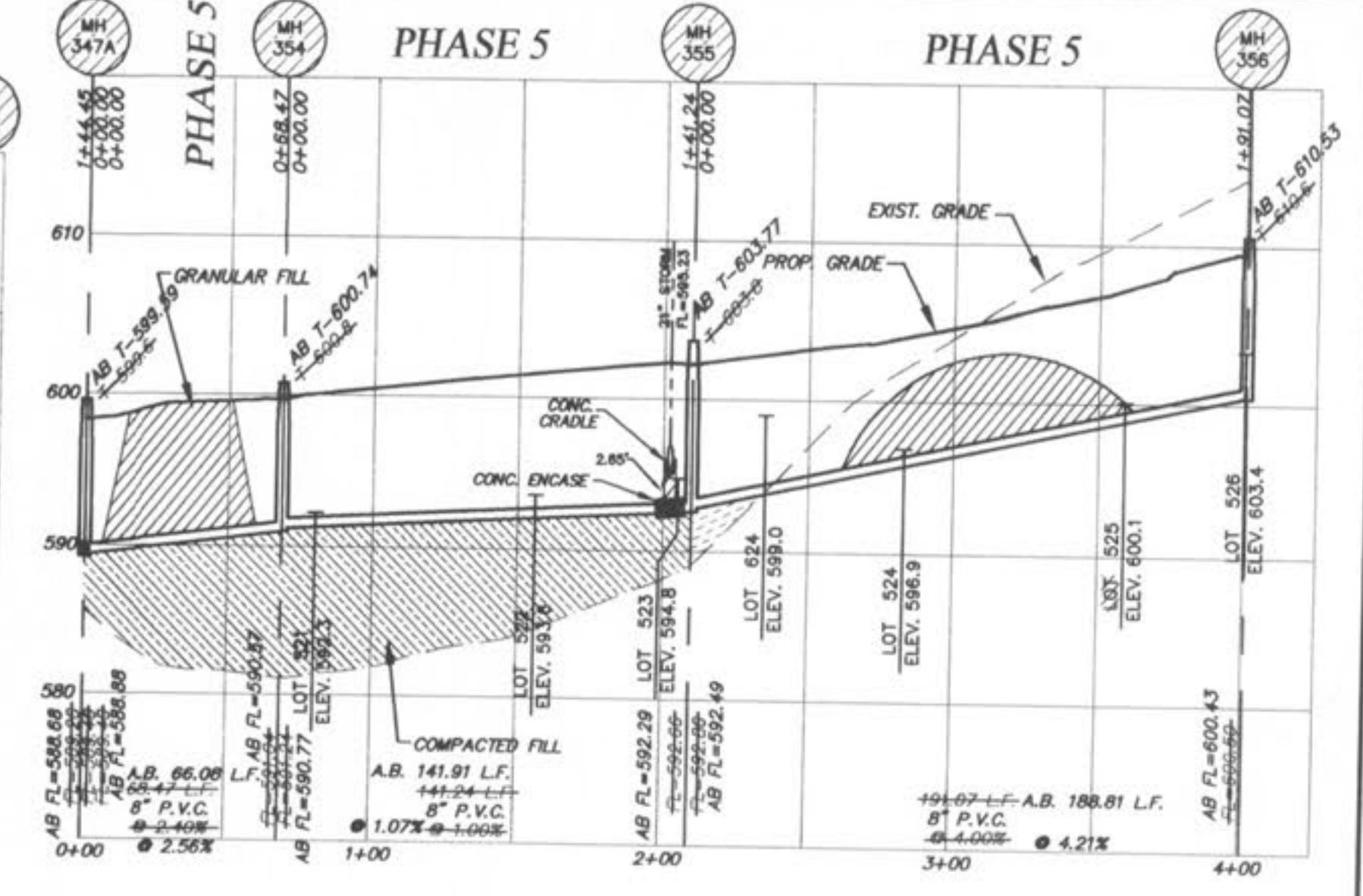
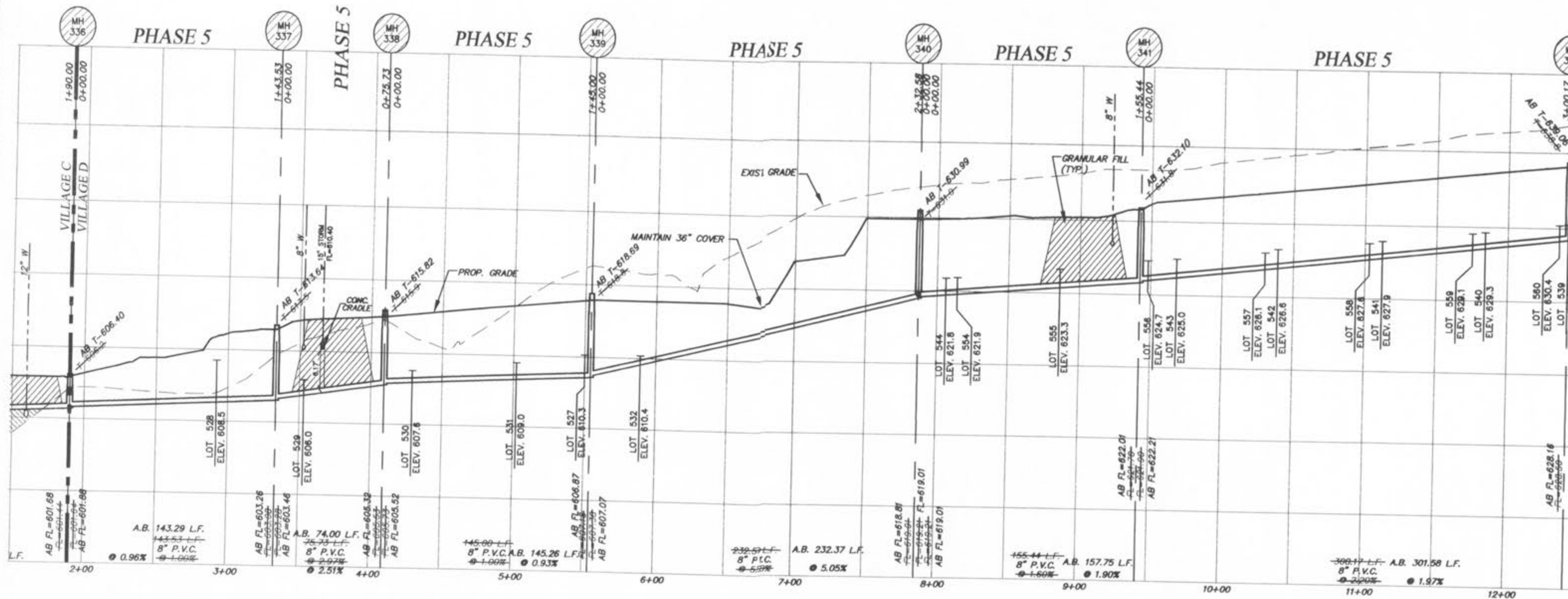
REVISIONS			
NO.	DATE	REVISED PER CITY	REVISED PER CLIENT
1	10/25/04		
3	12/20/04		
8	4/05/05		

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DRAWN JEE	DATE 6-29-04
CHECKED DWD	DATE 6-29-04
PROJECT # 01267-SUPP.02R	TASK # 2
	FIELD BOOK

WYNDGATE VILLAGE D GRADING PLAN  
SHEET 76D OF 174  
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IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH, THE UPPER SHALL BE PLACED ON A SHELVE AND THE LOWER SHALL BE PLACED IN COMPACTED GRANULAR FILL TO THE FLOW LINE OF THE UPPER.

ALL SANITARY LATERAL STREET CROSSINGS, IF TRENCHED, SHALL BE BACKFILLED WITH GRANULAR MATERIAL (AGGREGATE).

STORM SEWERS WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER TRENCHES SHALL BE GRADED IN CONCRETE (OR ENCASED) AND P.L.E. THROUGHOUT. SANITARY SEWER TRENCH, THE TRENCH SHALL BE BACKFILLED AND COMPACTED GRANULAR FILL TO THE BOTTOM OF THE CONCRETE GRADE.

**AS-BUILTS**  
**PHASE 5 SEPT. '06**

HORIZONTAL SCALE: 1"=50'  
VERTICAL SCALE: 1"=10'

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**WYNDGATE VILLAGE D**  
SANITARY SEWER PROFILES

Prepared For:  
**SUMMIT POINTE, L.C.**

230 FOX HILL ROAD  
ST. CHARLES, MO. 63301  
(636) 949-9300

NO.	DATE	REVISIONS
1	10/25/04	REVISED PER CITY
2	02/18/05	REVISED PER DISC
3	03/08/05	REVISED PER CITY OF O'FALLON
4		MOVE MH 202 PER CLIENT

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DRAWN	JEE	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT #	01267.SUP0.02R		
TASK #	2 FIELD BOOK		

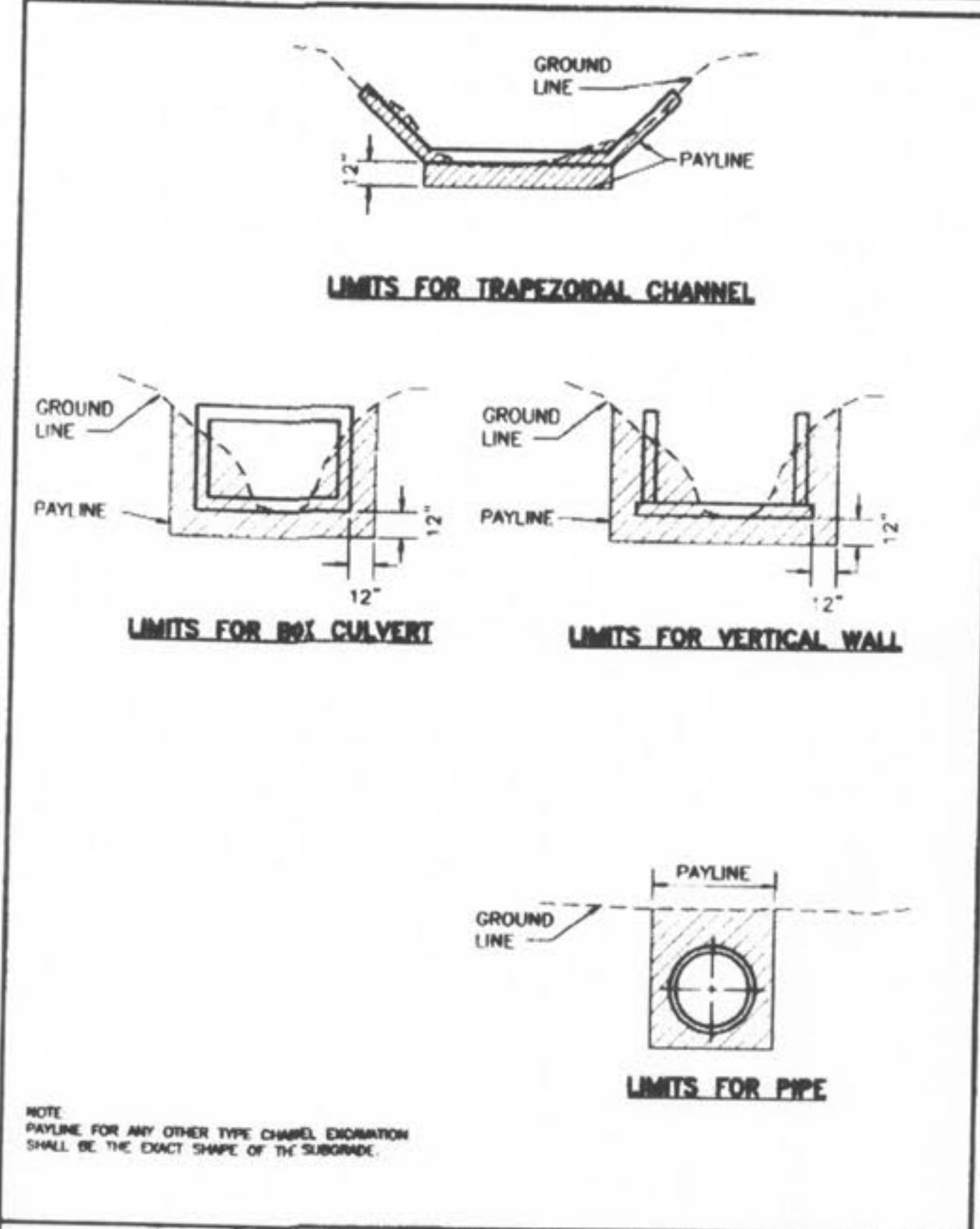
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ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASUREMENT	INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASUREMENT
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	40.80
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

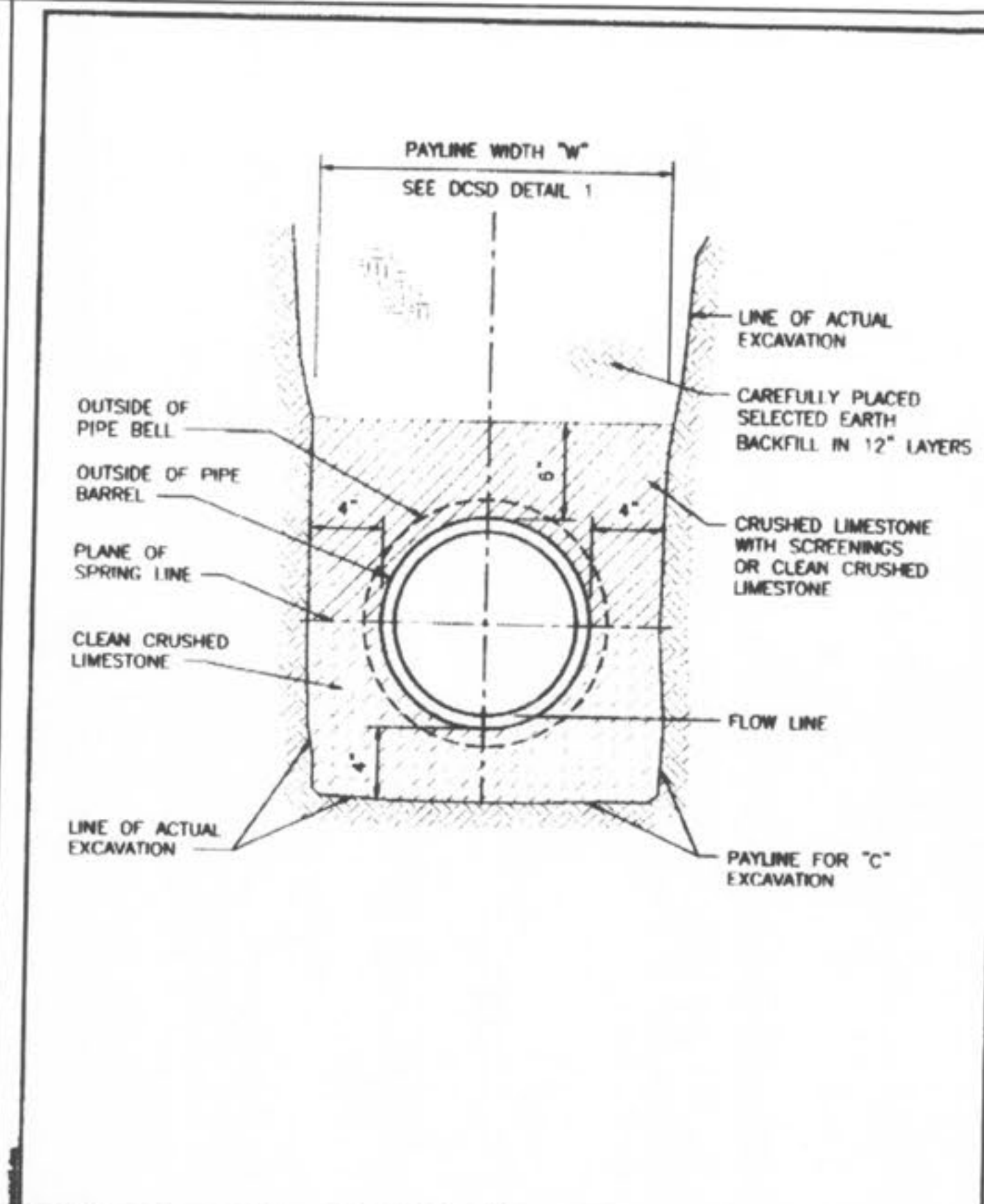
**DUCKETT CREEK SANITARY DISTRICT**  
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE

Drawn By: BSM	Checked By: KLA	Date: 12-21-99	Sheet No: 1
Drawn By: MDOB	Checked By: MDOB	Date: 12-21-99	Sheet No: 1



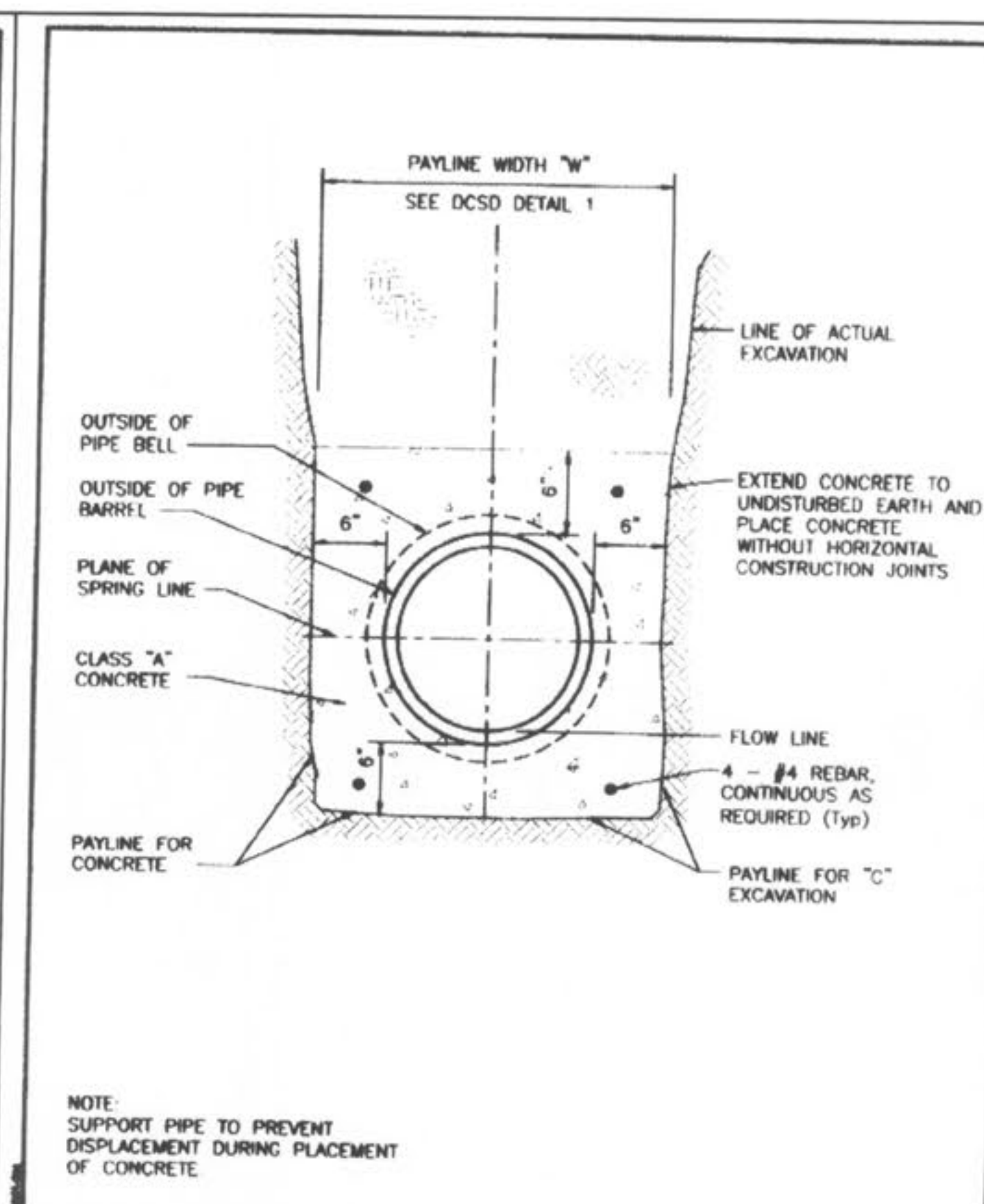
**DUCKETT CREEK SANITARY DISTRICT**  
PAYLINE LIMITS FOR EXCAVATION

Drawn By: BSM	Checked By: KLA	Date: 12-21-99	Sheet No: 2
Drawn By: MDOB	Checked By: MDOB	Date: 12-21-99	Sheet No: 2



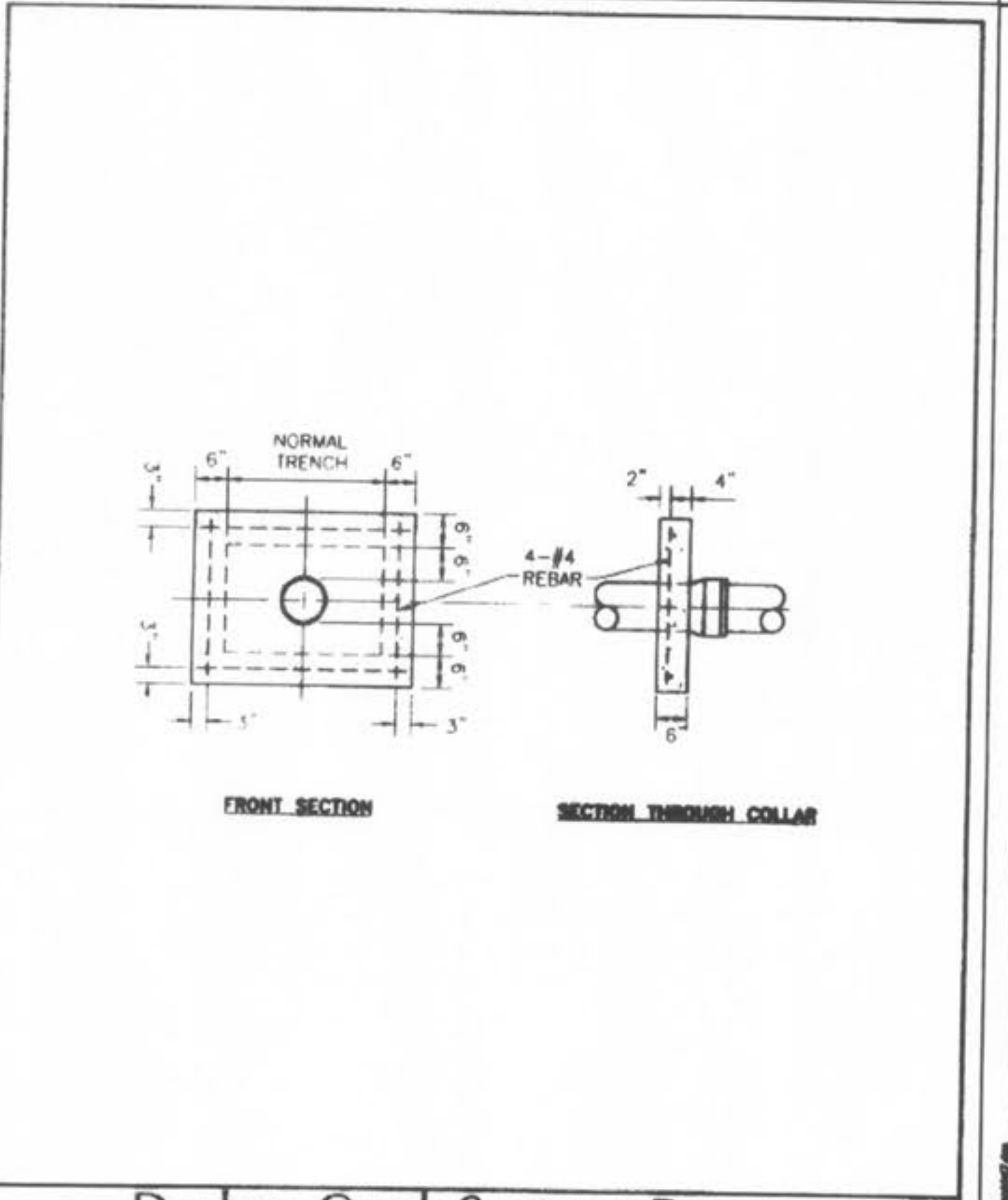
**DUCKETT CREEK SANITARY DISTRICT**  
PIPE BEDDING CLASS "C" (FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)

Drawn By: BSM	Checked By: KLA	Date: 12-21-99	Sheet No: 3
Drawn By: MDOB	Checked By: MDOB	Date: 12-21-99	Sheet No: 3



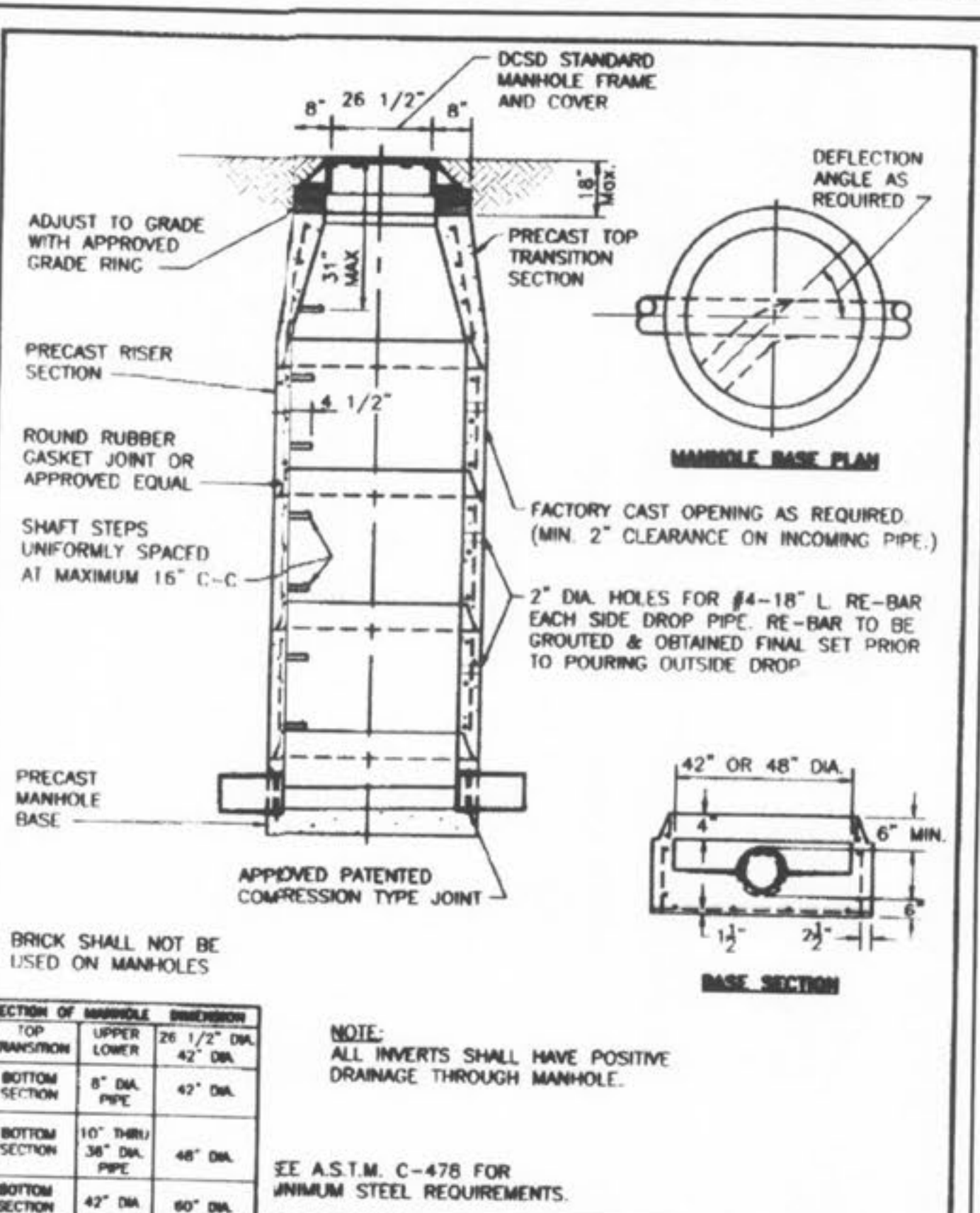
**DUCKETT CREEK SANITARY DISTRICT**  
TYPICAL CONCRETE ENCASUREMENT

Drawn By: BSM	Checked By: KLA	Date: 12-21-99	Sheet No: 4
Drawn By: MDOB	Checked By: MDOB	Date: 12-21-99	Sheet No: 4



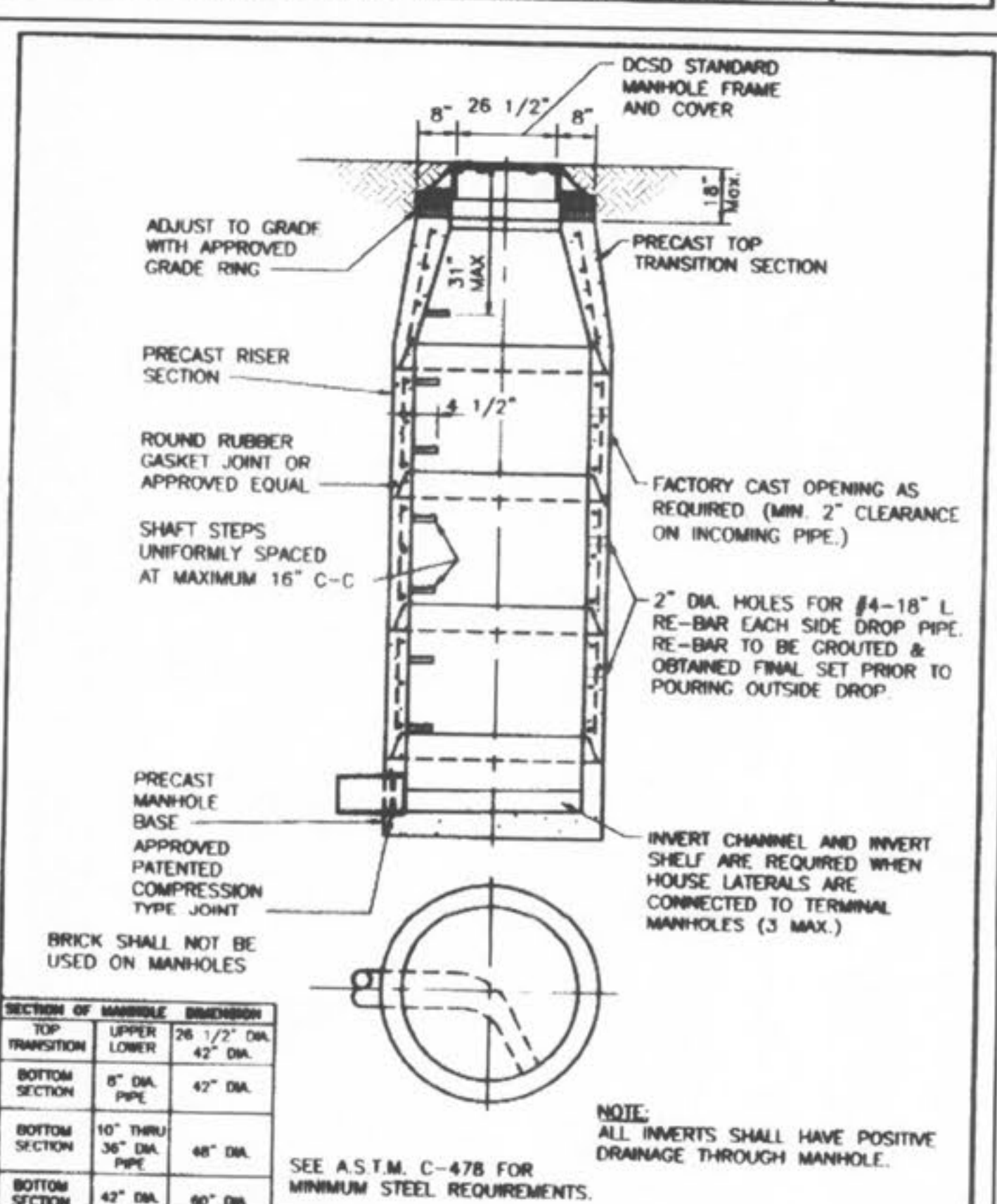
**DUCKETT CREEK SANITARY DISTRICT**  
CONCRETE ANTI-SLIP COLLAR FOR PVC PIPE ON PIPE SLOPES FROM 15% TO 50%

Drawn By: BSM	Checked By: KLA	Date: 12-21-99	Sheet No: 5
Drawn By: MDOB	Checked By: MDOB	Date: 12-21-99	Sheet No: 5



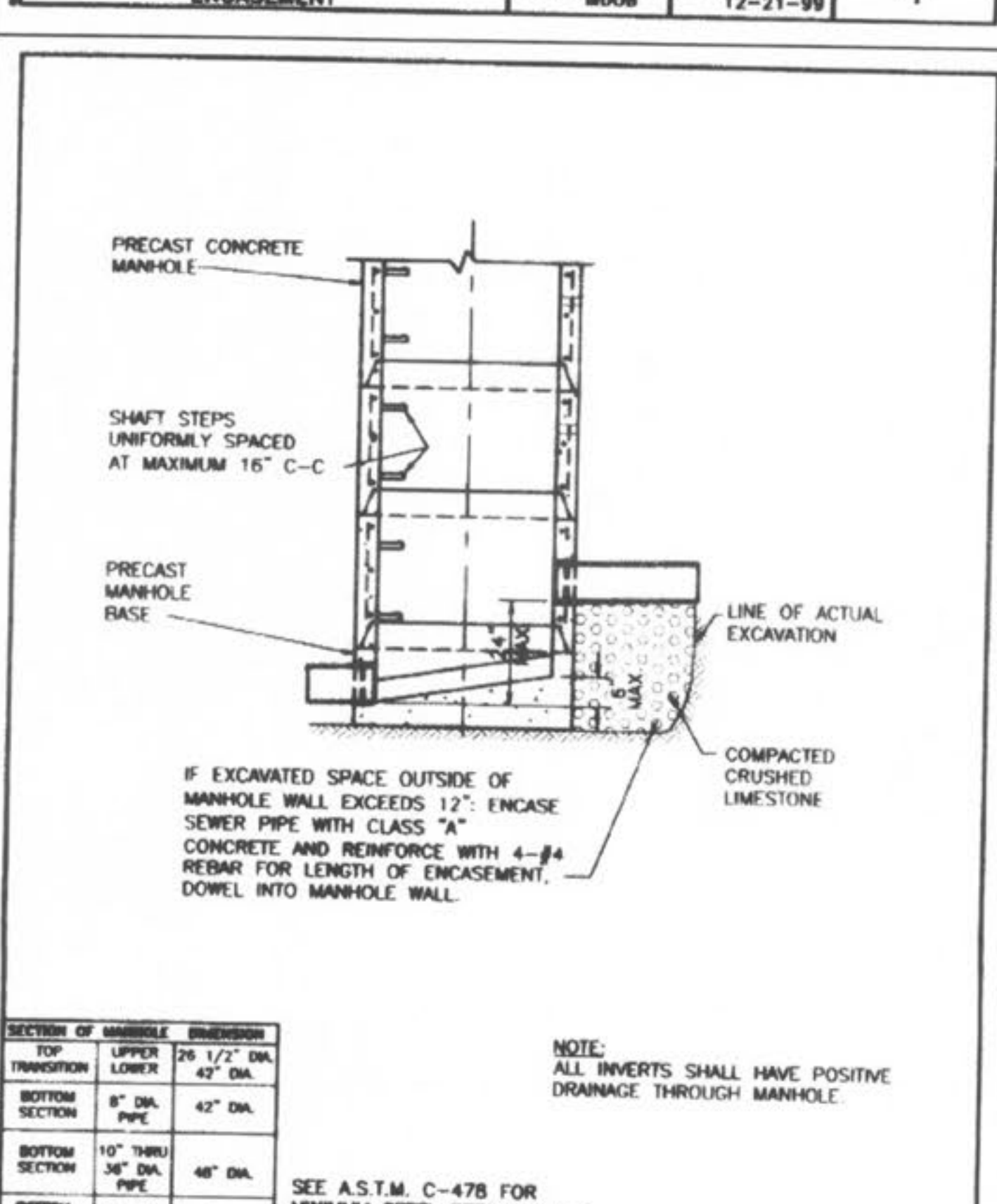
**DUCKETT CREEK SANITARY DISTRICT**  
PRE-CAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 18"

Drawn By: BSM	Checked By: KLA	Date: 12-30-99	Sheet No: 7
Drawn By: MDOB	Checked By: MDOB	Date: 12-30-99	Sheet No: 7



**DUCKETT CREEK SANITARY DISTRICT**  
TERMINAL MANHOLE FOR SEWERS 8" THROUGH 18"

Drawn By: BSM	Checked By: KLA	Date: 01-03-00	Sheet No: 8
Drawn By: MDOB	Checked By: MDOB	Date: 01-03-00	Sheet No: 8



**DUCKETT CREEK SANITARY DISTRICT**  
INSIDE FOULWATER DROP MANHOLE (SWEEP INVERT)

Drawn By: BSM	Checked By: KLA	Date: 01-04-00	Sheet No: 9
Drawn By: MDOB	Checked By: MDOB	Date: 01-04-00	Sheet No: 9

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**WYNDGATE DUCKETT CREEK SANITARY SEWER DETAILS**

Prepared For: **SUMMIT POINTE, L.C.**

239 FOX HILL ROAD  
ST. PETERS, MO. 63301  
(636) 344-3333

REVISIONS	NO.	DATE	BY	DESCRIPTION
1	10/25/04	REVISED PER CITY		
2	02/16/05	REVISED PER CITY OF FALLON		

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DRAWN: J.E.E. DATE: 6-29-04  
CHECKED: D.W.D. DATE: 6-29-04  
PROJECT # 01267.SUPO.02R  
TASK # 2 FIELD BOOK

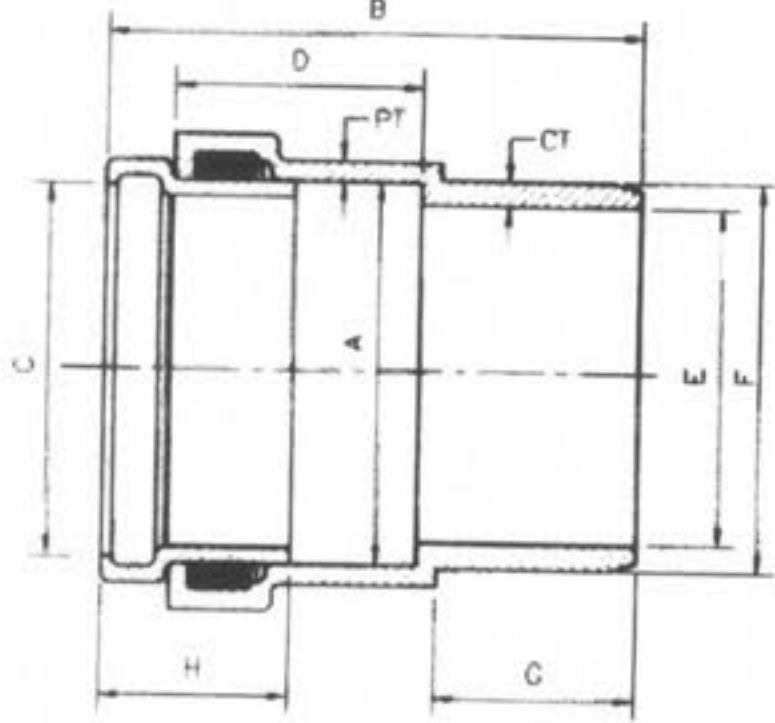
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SDR-35 x C900  
BELL x SPIGOT ADAPTERS



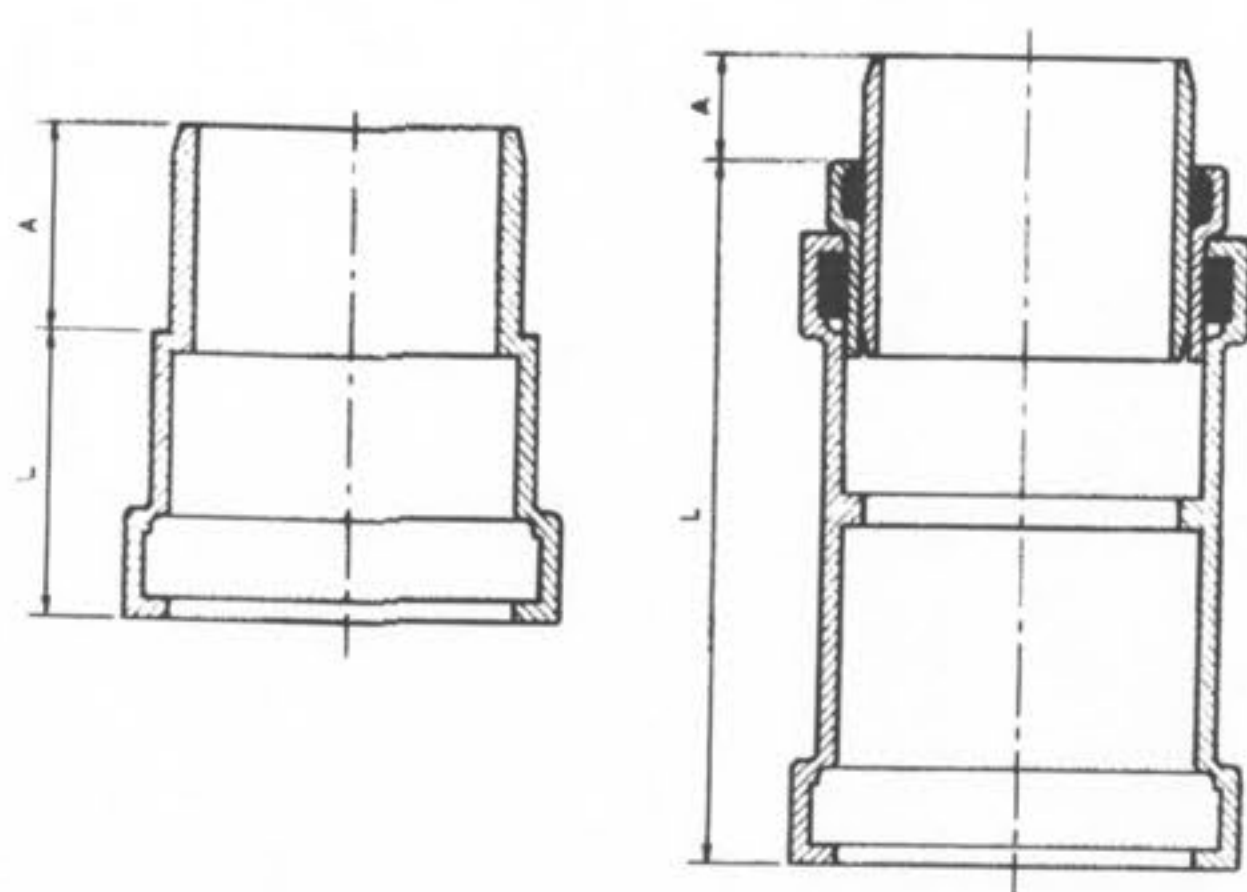
SIZE	CATALOG NO.	A	B	C	D	E	F	G	H	CT	PT
4"	334-040	4.56	8.23	4.25	4.10	3.94	4.80	2.72	2.7	.32	.25
6"	334-060	6.68	9.93	6.31	4.57	5.88	6.90	3.72	3.5	.45	.36

DUCKETT CREEK SANITARY DISTRICT

SDR-35 x C900  
BELL AND SPIGOT  
ADAPTERS

Drawn By: BSM App. By: KLA Detail No.: 19A  
 Check By: MDOB Date: 1-3-01

SDR-35 x C900  
BELL x SPIGOT ADAPTERS



HARCO STYLE FABRICATED STYLE

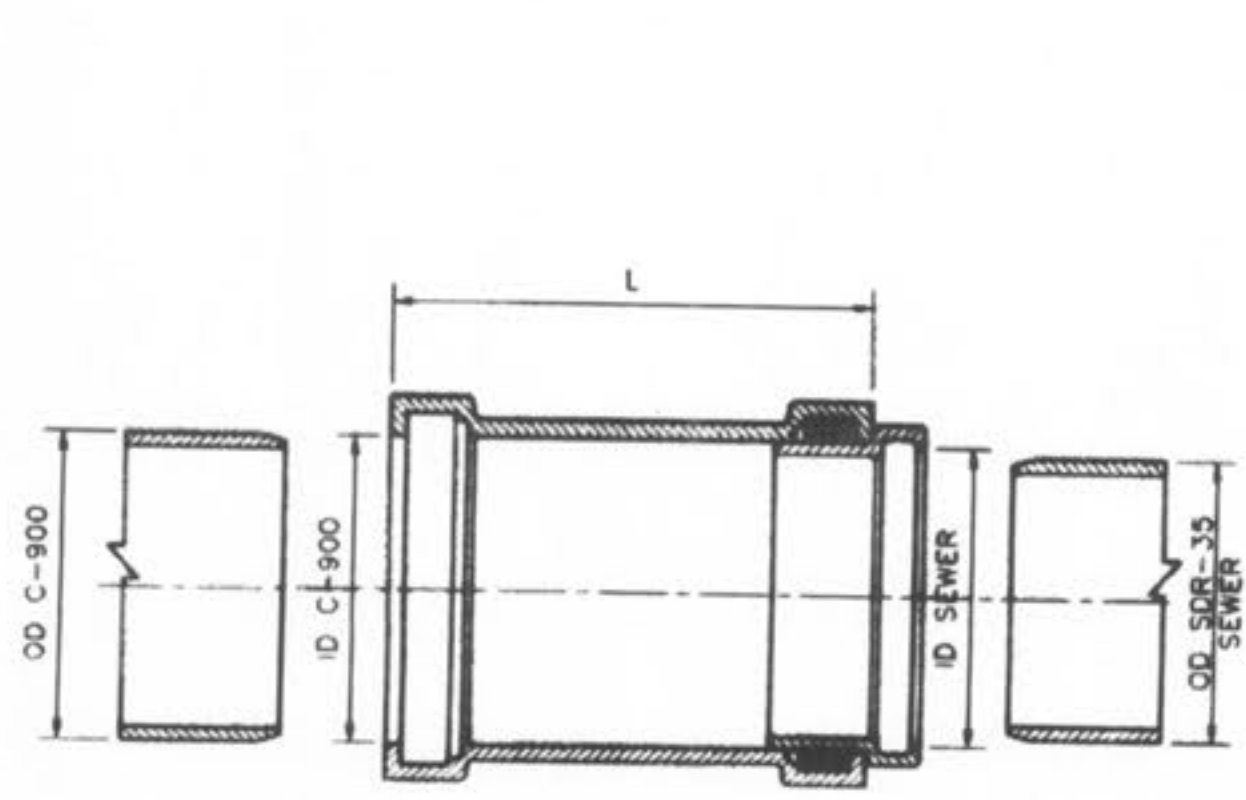
SIZE	CATALOG NO.	A	L	STYLE
4"	335-040	3.2	10.0	FABRICATED
6"	335-060	2.9	3.5	HARCO
8"	335-080	4.0	12.5	FABRICATED

DUCKETT CREEK SANITARY DISTRICT

SDR-35 x C900  
BELL AND SPIGOT  
SPECIAL 4", 6" & 8" ADAPTERS

Drawn By: BSM App. By: KLA Detail No.: 19B  
 Check By: MDOB Date: 1-3-01

SDR-35 x C900  
BELL x BELL ADAPTERS



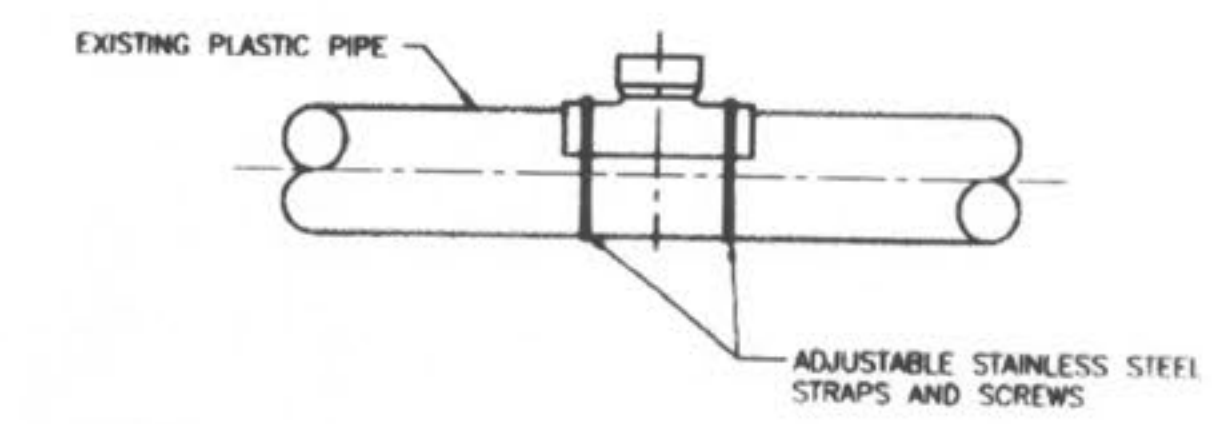
SIZE	CATALOG NO.	OD C900 SEWER	OD C900 SEWER	ID C900 SEWER	ID C900 SEWER	L	CTN QTY	CTN WT
4x4	337-040	4.80	4.215	4.86	4.25	10.0	1	4
6x6	337-060	6.90	6.275	6.96	6.32	11.13	1	8
8x8	337-080	9.05	8.400	9.13	8.45	12.50	1	15

DUCKETT CREEK SANITARY DISTRICT

SDR-35 x C900  
BELL AND BELL  
4", 6" & 8" ADAPTERS

Drawn By: BSM App. By: KLA Detail No.: 19C  
 Check By: MDOB Date: 1-3-01

PLASTIC SADDLE WYE 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.

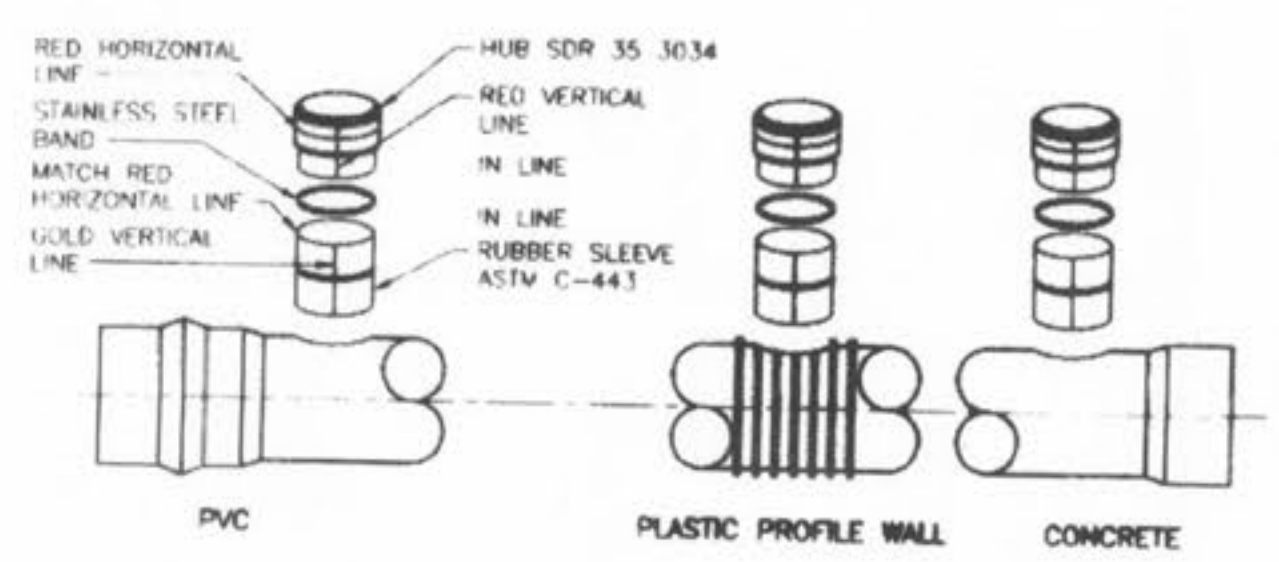
- CLEAN AND DRY BOTH INSIDE THE SADDLE WYE SURFACE AND PIPE SURFACE TO BE SOLVENT CEMENTED.
- IMMEDIATELY APPLY A LIBERAL, HEAVY COAT OF ONE-STEP SOLVENT CEMENT TO THE INSIDE SURFACE OF THE SADDLE WYE AND TO THE EXTERIOR WELDING SURFACE TO THE PIPE.
- WITHOUT DELAY, MATE THE SURFACES AND STRAP DOWN TIGHTLY. 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:
  - 1 TO 3 CEMENT TO SAND MIX
  - "TINE-HAT" CONCRETE
  - 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

INSERTA TEE  
THE USE OF AN INSERTA TEE  
REQUIRES DISTRICT APPROVAL.

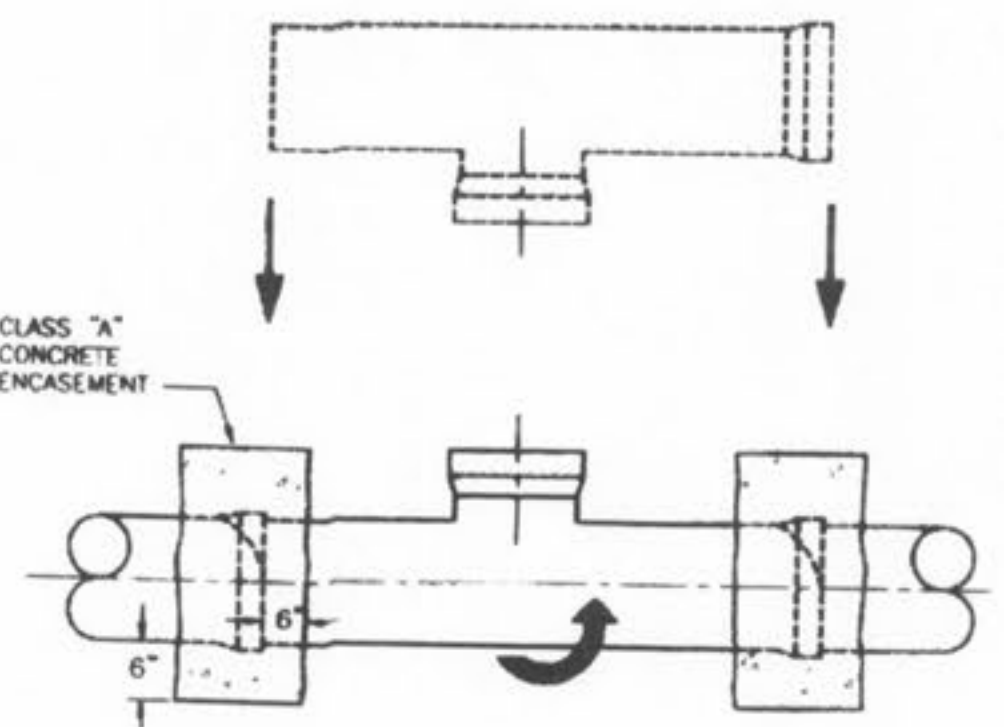


- INSTALLATION PROCEDURE:
- | TEE SIZE | 4"     | 6"     | 8"     | 10"     | 12"     | 15"     |
|----------|--------|--------|--------|---------|---------|---------|
| BIT SIZE | 4 1/2" | 6 1/2" | 8 1/2" | 10 1/2" | 12 1/2" | 15 1/2" |
- CORE THE PROPER SIZE HOLE.
  - INSERT THE RUBBER SLEEVE (1) IN THE CORED HOLE WITH THE GOLD VERTICAL LINE ON THE RUBBER SLEEVE. (2) FACING TO THE SIDE OF THE MAIN LINE. THE UPPER SEGMENT SHOULD BE ON TOP OF THE WALL OR THE (LOWER SEGMENT (PVC, PROFILE WALL, AND POLYETHYLENE PIPE ONLY) SHOULD BE ON THE INSIDE OF THE PIPE).
  - APPLY THE INSERTA TEE SOLUTION SUPPLIED TO THE INSIDE OF THE RUBBER SLEEVE AND TO THE OUTSIDE OF THE PVC HUB ADAPTER. CAUTION - DO NOT USE AN OIL BASED LUBRICANT.
  - PLACE THE PVC HUB ADAPTER (3) INTO THE RUBBER SLEEVE. MAKE SURE THAT THE RED VERTICAL LINE (4) ON THE PVC HUB ADAPTER IS IN LINE WITH THE GOLD VERTICAL LINE (2) ON THE RUBBER SLEEVE.
  - PLACE THE 2x4 BOARD ONTO THE TOP OF THE PVC HUB ADAPTER.
  - THE RED HORIZONTAL LINE (5) AT THE TOP OF THE HUB ADAPTER IS A DEPTH MARK. THIS TELLS THE INSTALLER HOW FAR TO DRIVE THE ADAPTER INTO THE RUBBER SLEEVE. DRIVE THE PVC HUB ADAPTER INTO THE RUBBER SLEEVE TO WHERE THE HORIZONTAL RED LINE (5) ON THE PVC HUB ADAPTER (3) MEETS THE TOP OF THE RUBBER SLEEVE (6).
  - PLACE THE STAINLESS STEEL BAND (7) AROUND THE TOP OF THE RUBBER SLEEVE AND TIGHTEN DOWN.
  - INSTALL PIPE IN NORMAL MANNER.

DUCKETT CREEK SANITARY DISTRICT

INSERTA TEE  
DETAILS AND  
SPECIFICATIONS

Drawn By: BSM App. By: KLA Detail No.: 20B  
 Check By: MDOB Date: 1-4-01

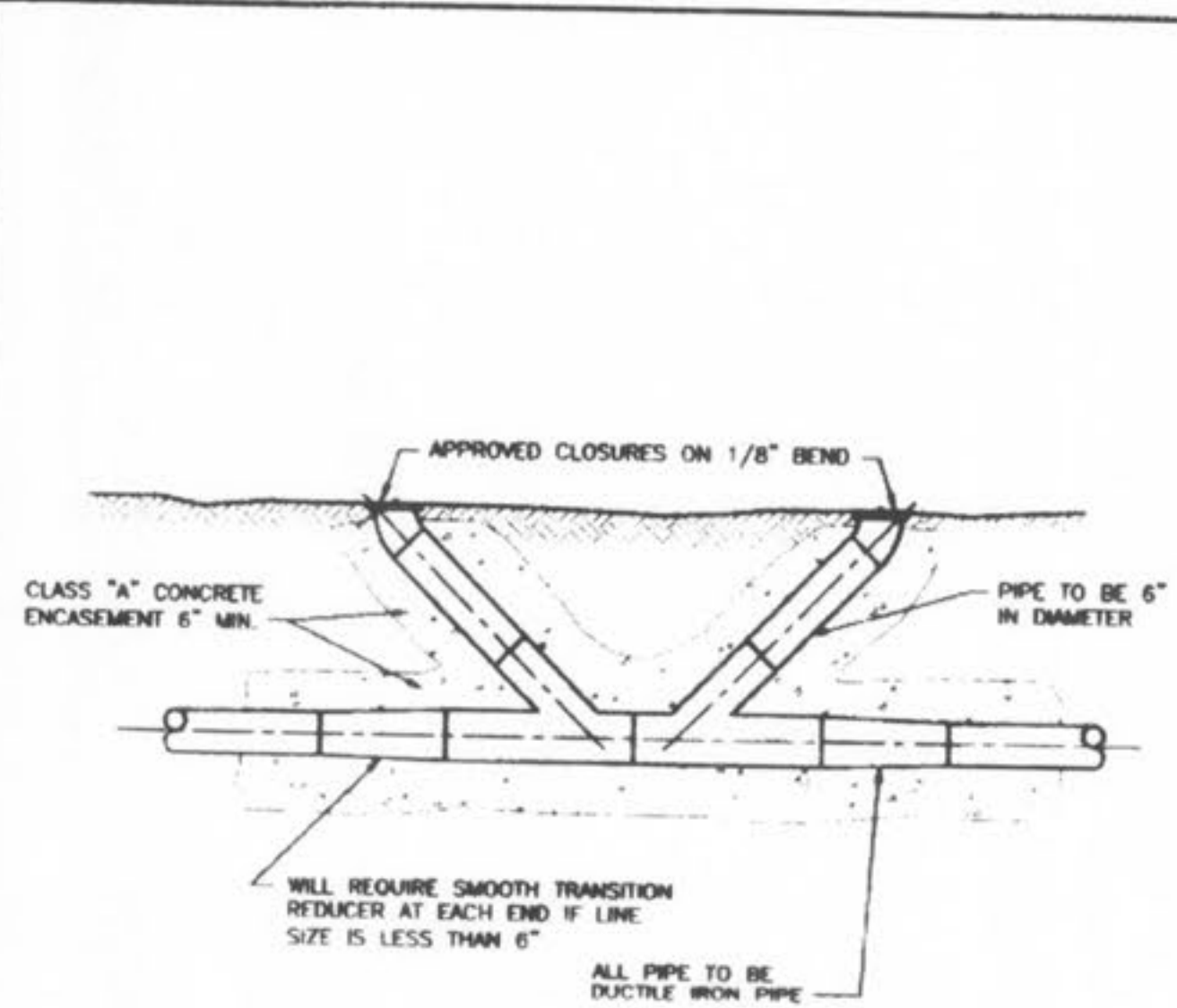


- NOTES:
- WHEN A CONNECTION IS ALLOWED LARGER THAN 6" DIAMETER A SADDLE MAY BE USED IF THE I.D. OF THE CONNECTION PIPE IS NOT GREATER THAN ONE HALF (1/2) OF THE I.D. OF THE MAIN SEWER. (EXAMPLE: 24" x 10")
  - IF THE I.D. OF THE CONNECTION PIPE IS GREATER THAN ONE HALF (1/2) OF THE I.D. OF THE MAIN SEWER THE WYE OR TEE MUST BE "ROLLED IN" (EXAMPLE: 15" x 8")
  - THIS IS ACCOMPLISHED BY BREAKING AWAY AND REMOVING ONE SECTION OF PIPE. THE TOP HALF OF THE BELL ON THE PIPE LYING ADJACENT TO THE GAP IS CAREFULLY BROKEN OFF. THE TOP HALF OF THE BELL ON THE MAIN REPLACEMENT SECTION (WITH A "TEE" WYE) FITTING IS ALSO BROKEN OFF. THE BROKEN BELLS ARE THEN PLACED IN THE LINE GAP WITH THE STUB POINTED IN THE WRONG DIRECTION. SECTION TO FIT INTO THE SEWER LINE WITHOUT DISTURBING THE ADJOINING PIPE SECTIONS. THE REPLACEMENT SECTION IS THEN REARDED TO THE DESIRED POSITION AND THE BROKEN BELLS ARE ENCASED WITH A 6" CLASS "A" CONCRETE ENCASEMENT.
  - I.D. OF MAIN SEWER SHALL NOT BE DECREASED BY A ROLL-IN CONNECTION.

DUCKETT CREEK SANITARY DISTRICT

"ROLL-IN"  
(FOR EXISTING  
CLAY OR CONCRETE PIPE)

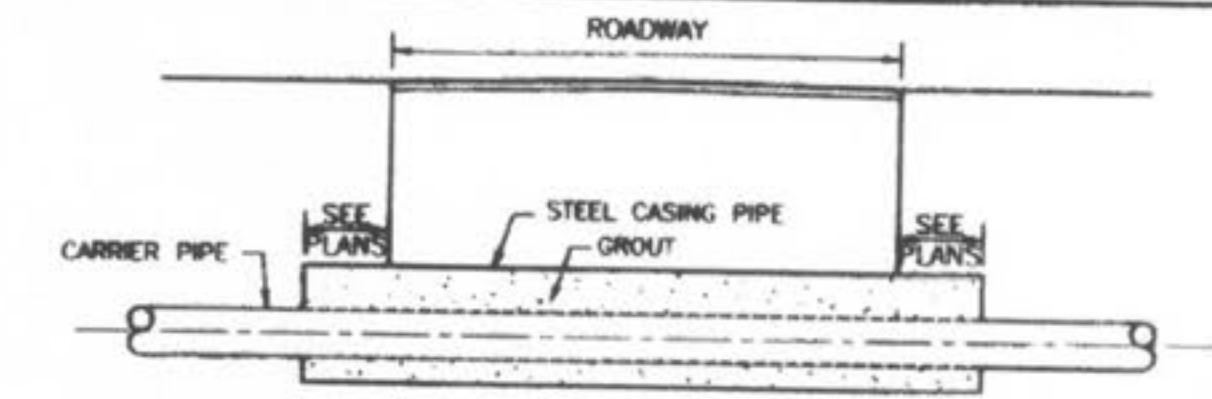
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 Check By: MDOB Date: 1-5-01



DUCKETT CREEK SANITARY DISTRICT

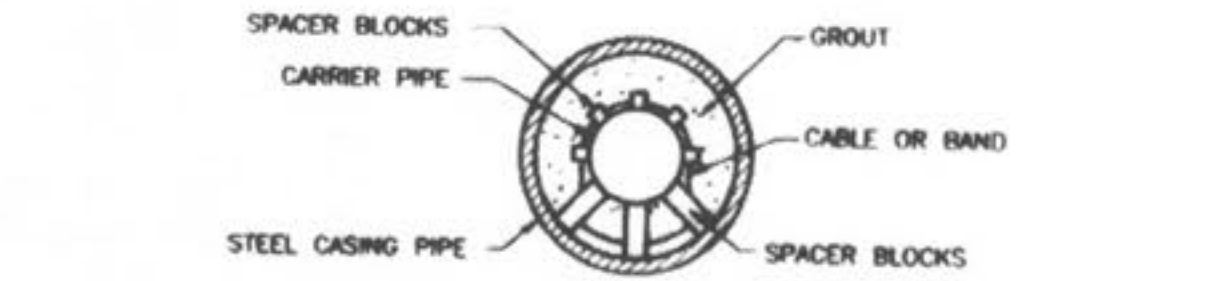
FORCE MAIN  
CLEANOUT  
(6" DIA. & SMALLER)

Drawn By: BSM App. By: KLA Detail No.: 22  
 Check By: MDOB Date: 1-3-01



- NOTES:
- INSIDE DIAMETER OF CASING PIPE TO BE MINIMUM OF 4" GREATER THAN COUPLING DIAMETER OF CARRIER PIPE.
  - ENCASEMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING IT THROUGH, OR BY DRY BORING A HOLE THAT WILL RECEIVE THE CASING WITH A SNUG FIT.
  - THE OUTSIDE DIAMETER OF THE CASING SHALL NOT BE LESS THAN, NOR MORE THAN ONE INCH GREATER THAN THE BORED HOLE.
  - THE ANNULAR SPACE BETWEEN THE CASING PIPE AND THE BORED HOLE SHALL BE FILLED WITH GROUT.

SUPPORT OF CARRIER PIPE OR FORCE MAIN IN CASING



DUCKETT CREEK SANITARY DISTRICT

ROADWAY  
BORING  
DETAIL

Drawn By: BSM App. By: KLA Detail No.: 23  
 Check By: MDOB Date: 1-5-01

**PICKETT RAY & SILVER**  
 CIVIL ENGINEERS  
 PLANNERS  
 LAND SURVEYORS

333 Mid Rivers Mall Drive  
 St. Peters, MO 63376  
 Phone (636) 387-1211  
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**WYNDGATE**  
 DUCKETT CREEK  
 SANITARY SEWER DETAILS

Prepared For:  
**SUMMIT POINTE, L.C.**

330 BSW BELL ROAD  
 ST. CHARLES, MO. 63031  
 (636) 940-9300

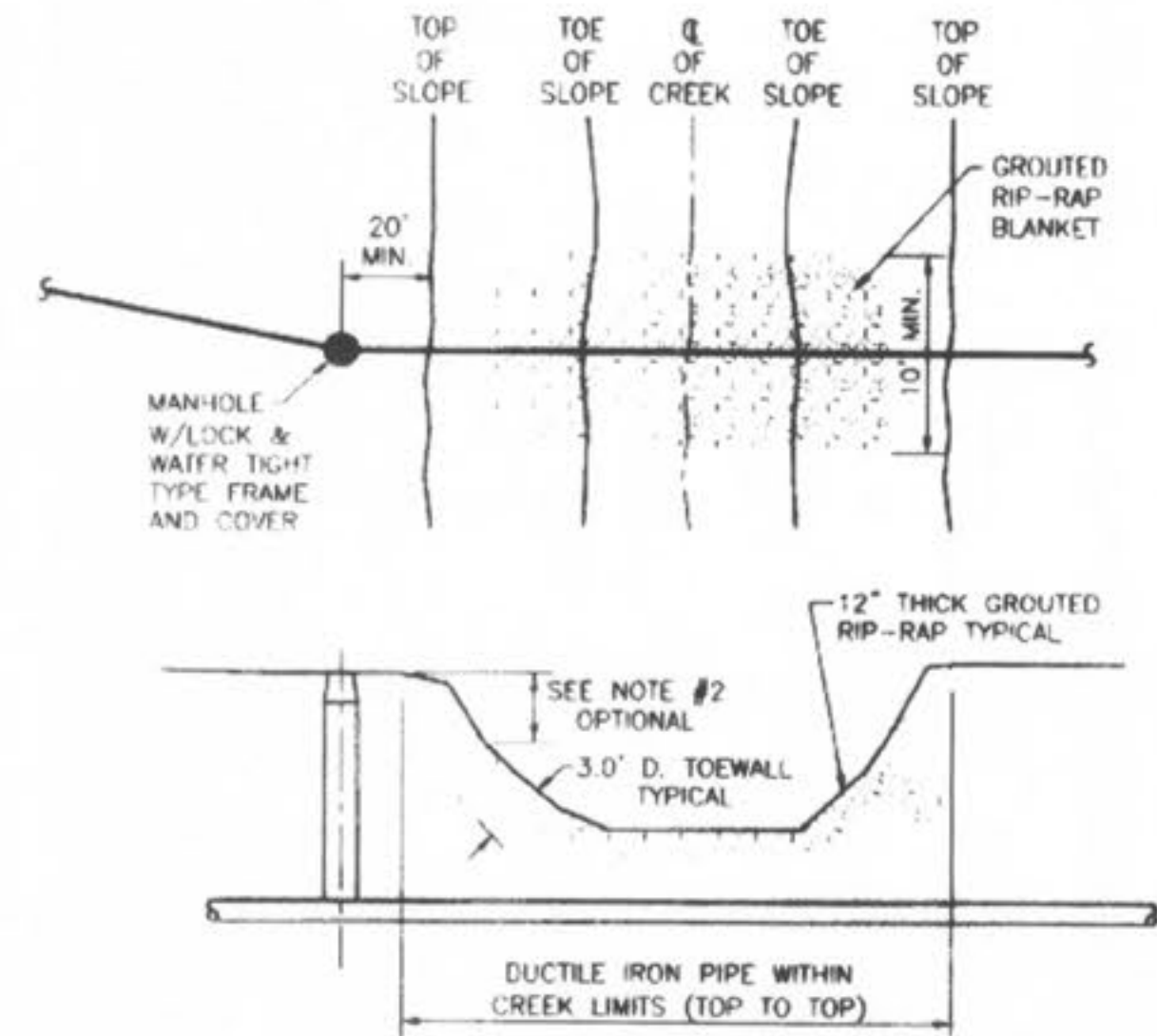
REVISIONS	NO.	DATE	DESCRIPTION
1	10/25/04	REVISED PER CITY	
2	02/18/05	REVISED PER CITY OF FALLON	
3			
4			
5			

**ENGINEERS AUTHENTICATION**  
 The responsibility for professional engineering liability on this project is hereby limited to the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

PICKETT, RAY & SILVER, INC.

DRAWN	DATE
J.E.E.	6-29-04
CHECKED	DATE
D.W.D.	6-29-04
PROJECT # 01267.SUPO.02R	
TASK # 2	FIELD BOOK

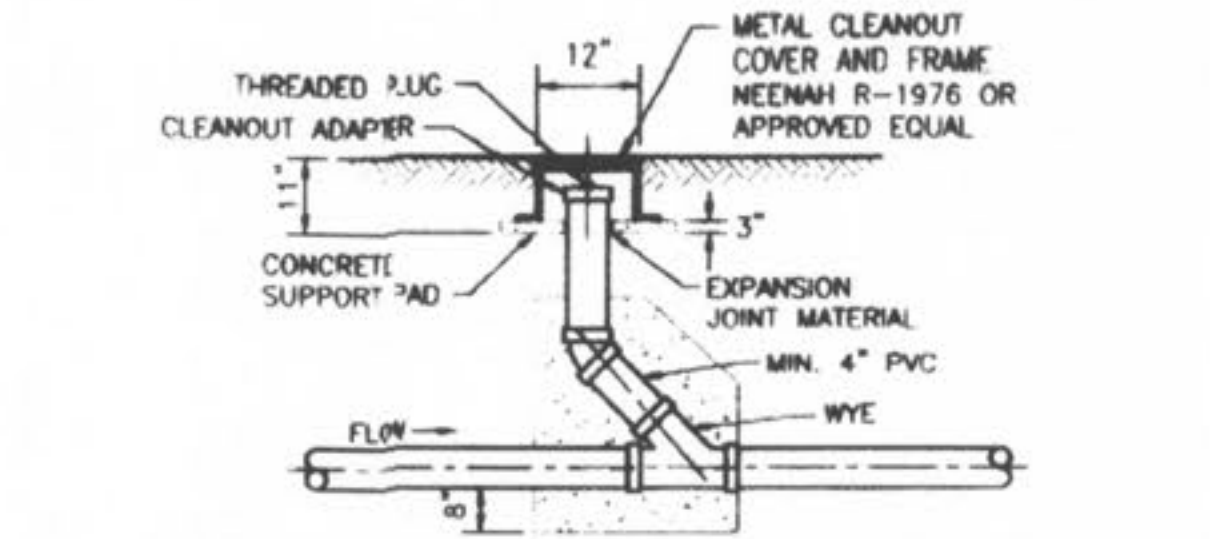




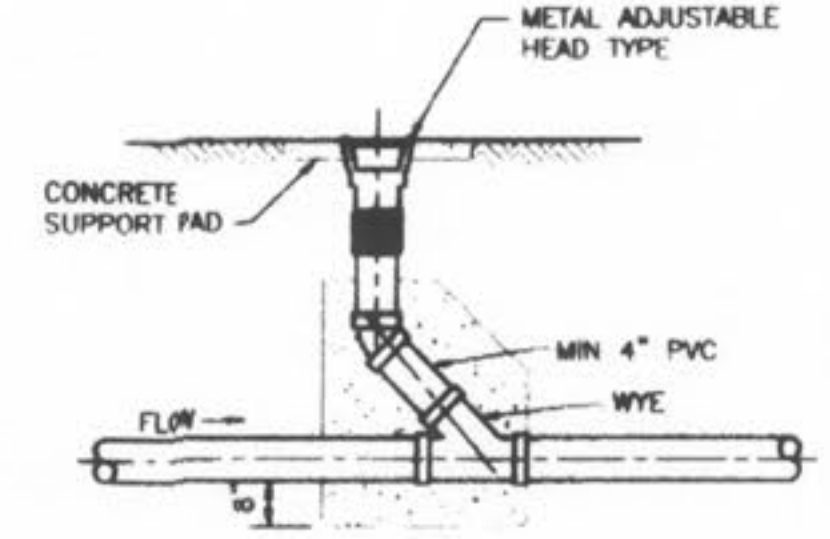
- NOTES:
- GROUTED RIP-RAP IS REQUIRED AT ALL CREEK CROSSINGS WHERE THE EMBANKMENTS CROSSED ARE STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL RATIO SLOPE, AND ALSO WHERE THERE IS 3 FEET OR LESS COVER OVER THE TOP OF THE SEWER MAIN.
  - PLACE RIP-RAP ON LOWER 3/4 OF SLOPE. GRADE UPPER 1/4 OF SLOPE AT 1 VERTICAL TO 2 HORIZONTAL SLOPE FOR 500 OR 1 VERTICAL TO 2.5 HORIZONTAL SLOPE FOR SEED AND STRAW.
  - RIP-RAP TO BE "MID 5" GRADATION, MINIMUM 12" THICK, GROUTED WITH 8 SACK MIX, SAND-CEMENT SLURRY, BROOM FINISH.
  - INCORPORATE A 3 FEET DEEP TOE WALL ON EMBANKMENT'S UPPER EDGE OF RIP-RAP.
  - TOP SURFACE OF RIP-RAP SHOULD NOT BE HIGHER THAN ADJACENT GROUND SURFACE.
  - IF PIPE HAS LESS THAN 12" COVER, A PAVED CHANNEL MAY BE REQUIRED.
  - DUCTILE IRON PIPE IS REQUIRED WITHIN THE CREEK LIMITS.

**Duckett Creek Sanitary District**

TYPICAL CREEK CROSSING	Drawn By: BSM	App. By: KLA	Sheet No. 24
	Check By: MDOB	Date: 1-8-01	



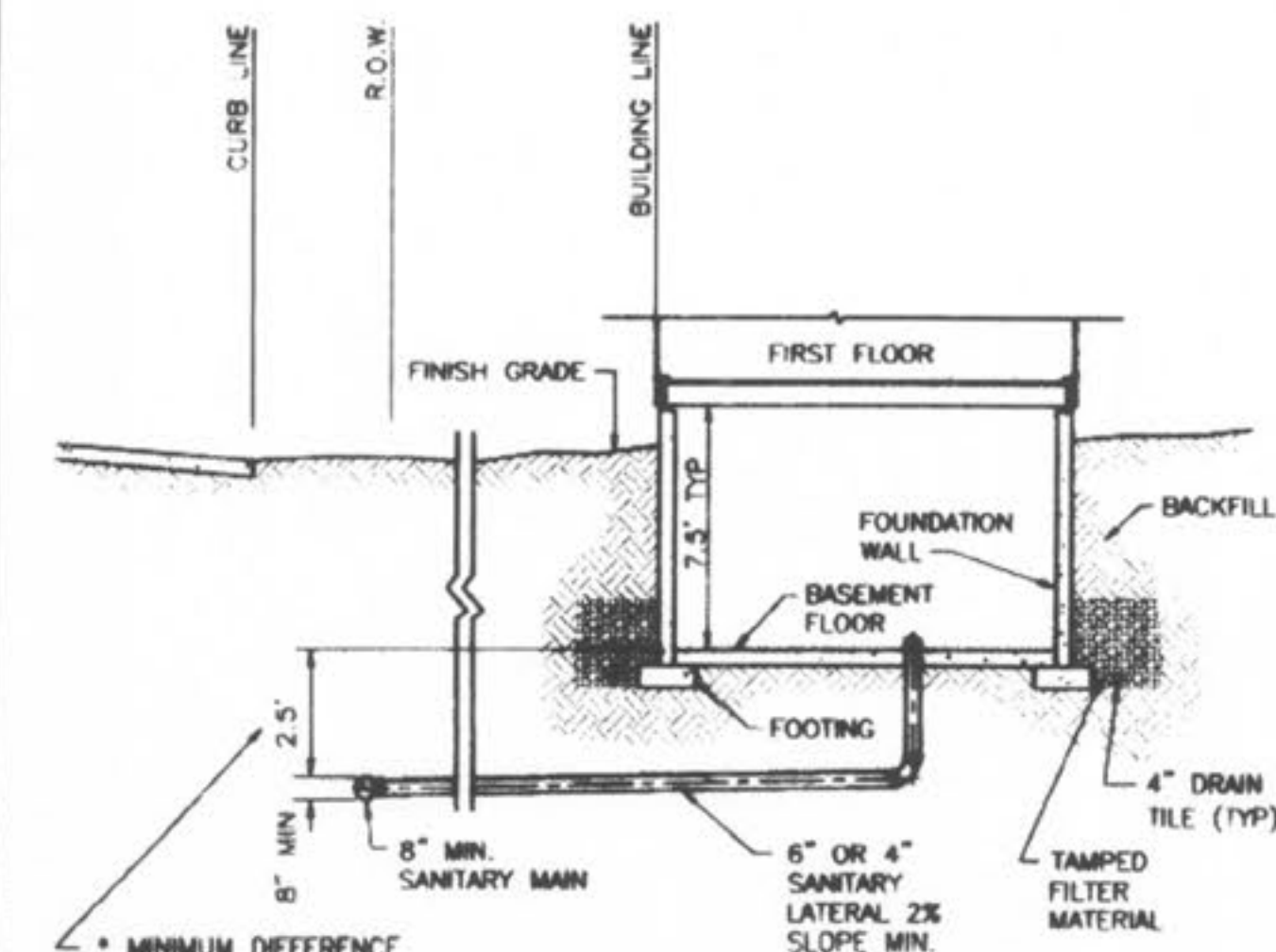
**METAL FRAME AND COVER TYPE CLEANOUT**



**ADJUSTABLE HEAD TYPE CLEANOUT**

**Duckett Creek Sanitary District**

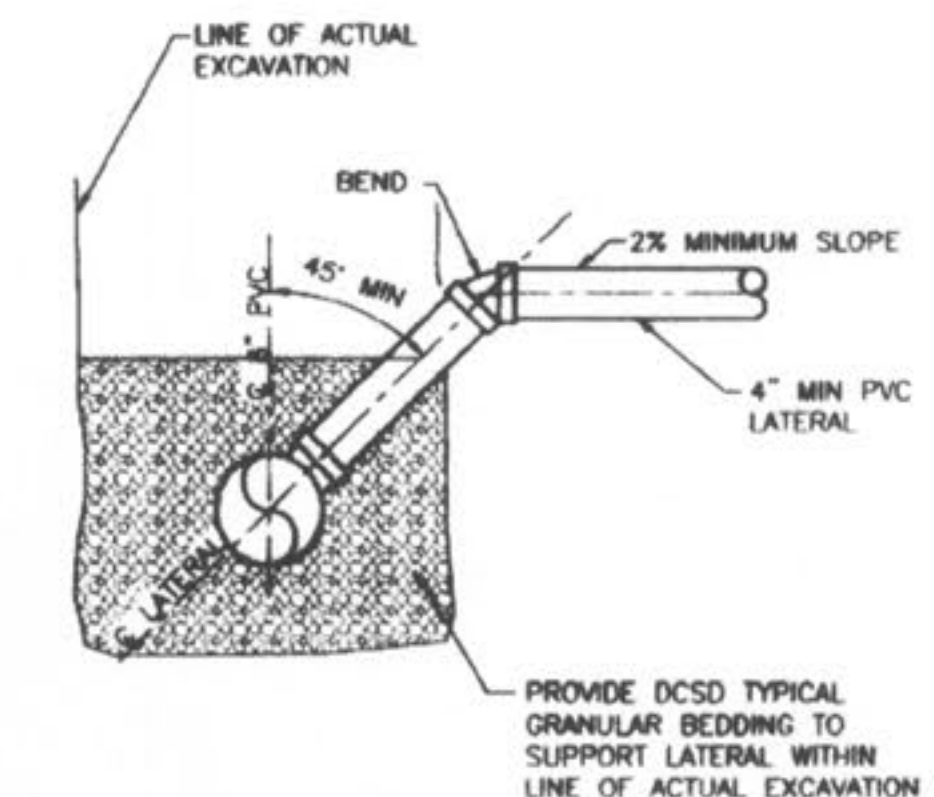
TYPICAL SEWER LATERAL CLEANOUT DETAILS	Drawn By: BSM	App. By: KLA	Sheet No. 25
	Check By: MDOB	Date: 1-8-01	



\*NOTE: MINIMUM DIFFERENCE BETWEEN BASEMENT FLOOR ELEVATION AND FLOW LINE OF SANITARY MAIN

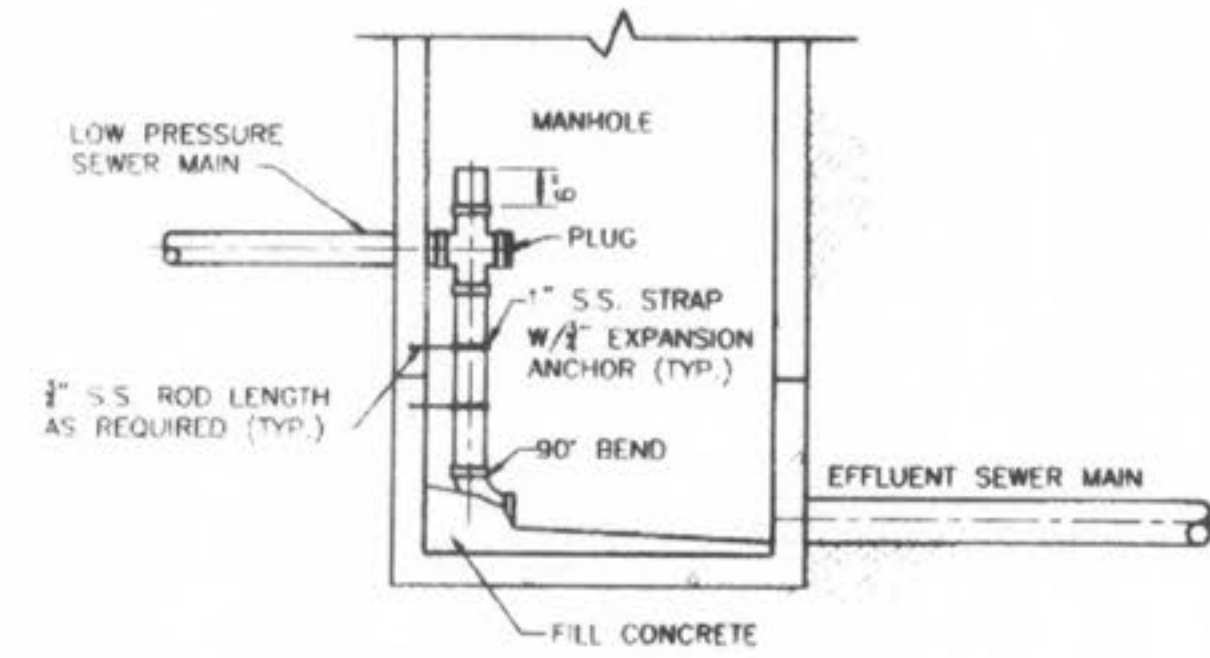
**Duckett Creek Sanitary District**

TYPICAL SANITARY SEWER LATERAL PROFILE	Drawn By: BSM	App. By: KLA	Sheet No. 26
	Check By: MDOB	Date: 1-9-01	



**Duckett Creek Sanitary District**

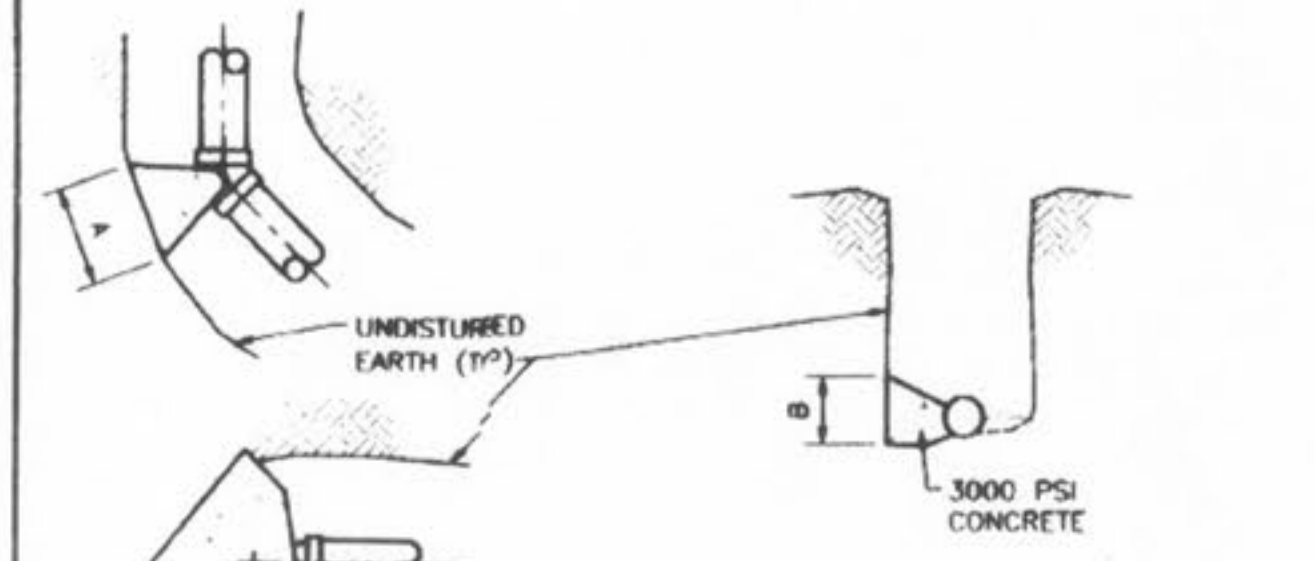
SANITARY SEWER LATERAL RISER DETAIL	Drawn By: BSM	App. By: KLA	Sheet No. 27
	Check By: MDOB	Date: 1-9-01	



NOTE: INVERT-BOTTOM SHALL BE WORKED TO PROVIDE POSITIVE DRAINAGE THROUGH MANHOLE

**Duckett Creek Sanitary District**

LOW PRESSURE SEWER MAIN CONNECTION AT MANHOLE	Drawn By: BSM	App. By: KLA	Sheet No. 28
	Check By: MDOB	Date: 1-9-01	



MAIN SIZE	A x B	A x B	A x B	A x B
2"	5' x 1'	5' x 1'	1' x 1'	1' x 1'
4"	1' x 1'	1' x 1'	1.5' x 1'	1' x 1'
6"	1' x 1'	1.5' x 1'	2' x 1'	1.5' x 1'
8"	1' x 1'	2' x 1'	2' x 1'	2' x 1'

**Duckett Creek Sanitary District**

THRUST BLOCK DETAIL AND SIZE SCHEDULE	Drawn By: BSM	App. By: KLA	Sheet No. 29
	Check By: MDOB	Date: 1-9-01	

**PICKETT RAY & SILVER**  
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**WYNDGATE DUCKETT CREEK SANITARY SEWER DETAILS**  
 Prepared For:  
**SUMMIT POINTE, L.C.**  
 239 FOX HILL ROAD  
 ST. CHARLES, MO. 63131  
 (636) 940-9300

REVISIONS	DATE	REVISIONS PER CITY	REVISIONS PER CITY OF FALLON
NO.	10/25/04		
1	02/18/06		
2			

**ENGINEERS AUTHENTICATION**  
 The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.  
 PICKETT, RAY & SILVER, INC

DRAWN	J.E.E.	DATE	6-29-04
CHECKED	D.W.D.	DATE	6-29-04
PROJECT #	01267.SUPO.02R	TASK #	2
		FIELD BOOK	

WYNDGATE DUCKETT CREEK SANITARY SEWER DETAILS  
 SHEET 168 OF 174  
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