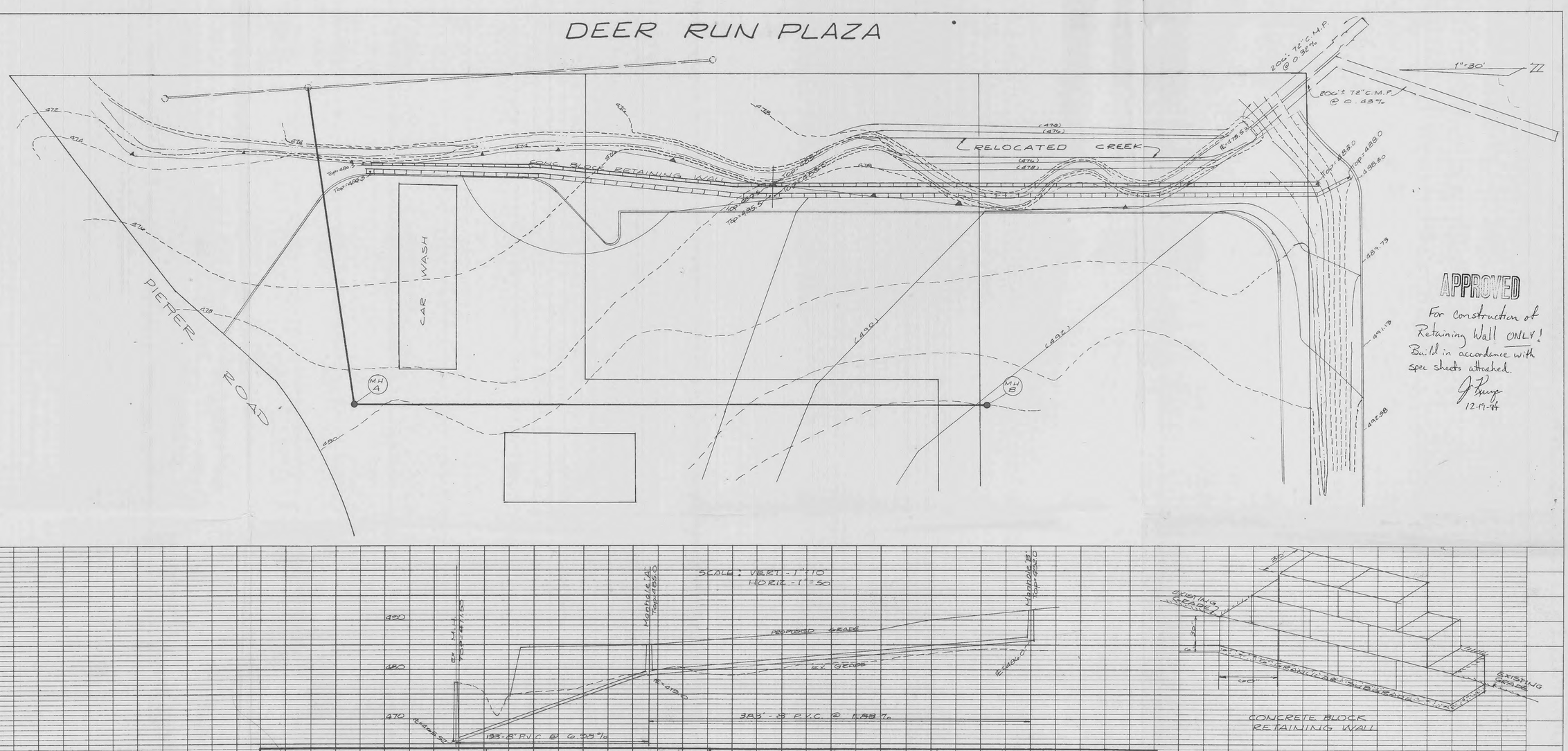
DEER RUN PLAZA



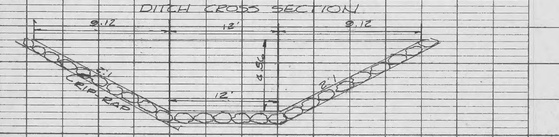
APPROVED
For Construction of Retaining Wall ONLY!
Build in accordance with spec sheets attached.
J. Kemp
12-19-94

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
No.	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
No.	RT. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHECKED		

GENERAL NOTES

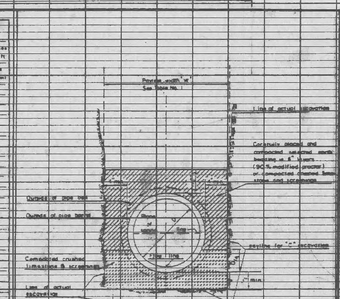
1. Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR35.
2. All sanitary sewers shall meet all specifications and installation requirements of the local governing authority, which is the same as the St. Louis Metropolitan Sewer District.
3. All sanitary manhole tops shall be set 0.2' higher than the proposed ground except in pavement areas.
4. All sanitary manholes shall have a 31 mil. thick coat of coal tar pitch waterproofing.
5. Manhole frame and cover shall be Clay and Bailey No. 2008 or Neenah R 1736 or Dester 1315 or approved equal.
6. A drop of 0.2 feet is required through each sanitary manhole.



ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE				
Inside Diameter of Pipe (Inches)	"a" Pipe Wall Thickness (Inches)	"b" Pipe Width of Trench (Feet)	Per Linear Ft. of Pipe Concrete Encasement	Inside Dimensions of Pipe (Inches)	"a" Pipe Wall Thickness (Inches)	"b" Pipe Width of Trench (Feet)	Per Linear Ft. of Pipe Concrete Encasement	
4	2.8	2.33	3.20					
6	2.9	2.33	3.45					
8	2.9	2.33	3.70					
10	2.9	2.33	3.94					
12	2.8	2.33	4.18					
15	3.2	2.83	4.89					
18	3.5	3.33	5.63	14 x 23	41	3.42	5.84	
21	3.9	3.83	6.41					
24	4.2	3.50	7.19	19 x 30	45	4.08	7.68	
27	4.5	3.75	8.0	23 x 34	53	4.42	8.61	
30	4.9	4.04	9.20	24 x 38	58	4.83	9.70	
33	5.5	4.42	10.53	27 x 42	62	5.17	10.71	
36	5.8	4.83	11.43	29 x 45	68	5.50	11.72	
39		DECON	WALL	32 x 49	71	5.92	13.14	
42	6.3	5.25	13.39	34 x 53	75	6.25	14.05	
48	7.0	5.83	15.67	38 x 60	83	6.92	16.18	
54	7.7	6.42	18.0	43 x 68	92	7.67	18.91	
60	8.4	7.00	20.31	48 x 76	101	8.42	21.38	
66	9.1	7.58	23.45	53 x 83	109	9.08	24.38	
72	9.8	8.17	26.57	58 x 91	118	9.83	27.48	
78	10.5	8.75	29.69	63 x 98	126	10.50	30.50	
84	11.2	9.33	32.67	68 x 106	135	11.25	33.91	
90	11.8	9.83	35.80	73 x 113	143	11.92	36.99	
96	12.5	10.30	39.37	77 x 121	152	12.67	40.08	
102	13.3	11.08	42.89	82 x 128	160	13.33	44.48	
108	14.0	11.67	46.73	87 x 136	169	14.00	47.78	
114	14.7	12.25	50.66	92 x 143	178	14.83	51.70	
120	15.4	12.83	54.52	97 x 151	185	15.42	54.01	
126	16.1	13.42	58.82					
132	16.8	14.00	62.67	106 x 166	202	16.83	64.48	
144	18.2	15.17	72.40	116 x 180	218	18.17	73.58	

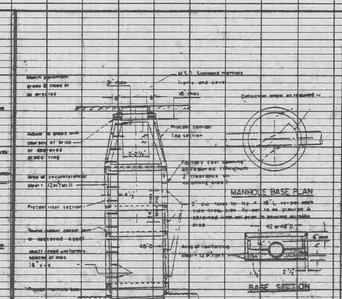
TABLE NO. 1
PAYLINE - WIDTHS OF TRENCH AND PAY - QUANTITIES OF CONCRETE

DETAIL 1

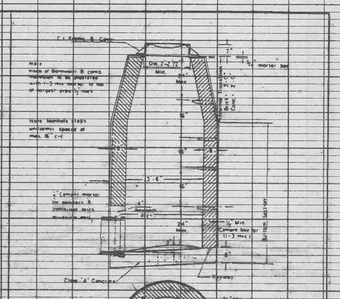


PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)

DETAIL 2



DETAIL 18



Landmark Surveying & Engineering, Inc.
802 E. Main, Wentzville, MO 63385
327-5653 - - 928-7003
Troy, 528-5452

IMPROVEMENT PLAN

Drwn.	Date	
Ckd.	Date	
Rev.	Date	

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE
PRINTED IN U.S.A.