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CATCHBASINS AND MANHOLES						
LOCATION	STATION	OFFSET (FT.)	CODE	GRATE/TOP ELEV.	TYPE	DEPTH (FT.)
SR. 31 CONN	50+90.94	80' RT.	13	517.05		
SR. 31 CONN	52+40	30' RT.	14	519.47	12	5.40
SR. 31 CONN	52+40	18' LT.	15	519.47	12	4.75
SR. 31 CONN	54+40	30' LT.	16	515.66	12	4.75
SR. 31 CONN	54+40	30' RT.	17	515.66	12	4.75
SR. 31 CONN	54+96.67	30' LT.	18	515.33	14	5.08
SR. 31 CONN	54+96.67	30' RT.	19	515.33	14	5.65
SR. 31 CONN	55+55	30' LT.	20	515.67	12	4.75
SR. 31 CONN	55+55	30' RT.	21	515.67	12	5.40
SR. 31 CONN	56+55	30' LT.	22	517.88	12	4.75
SR. 31 CONN	56+55	30' RT.	23	517.88	12	5.40
SR. 31 CONN	58+00	30' LT.	24	522.51	12	4.83
SR. 31 CONN	58+00	30' RT.	25	522.51	12	5.48
SR. 31 CONN	59+50	30' LT.	26	526.75	12	4.83
SR. 31 CONN	61+00	30' LT.	27	531.54	12	4.75
SR. 31 CONN	61+00	30' RT.	28	533.82	12	4.75
SR. 31 CONN	62+50	30' LT.	29	536.43	12	4.75
SR. 31 CONN	59+50	57' LT.	30	524.84	42	2.95
SR. 31 CONN	59+50	96' LT.	31	530.08		
SR. 31 CONN	59+50	96' LT.	32	511.73		

- ① TYPE 12 = SINGLE CATCH BASIN  
TYPE 14 = DOUBLE CATCH BASIN
- ② SEE "CROSS DRAINS & STORM OUTLETS" SHEET R22.

FUTURE U.S. 31 CONNECTOR  
 P.I. = 60+91.78  
 X = 1801223.9416  
 Y = 725577.7259  
 Delta = 51°59'40.31"  
 DOC = 14°00'31.49"  
 T = 199.46'  
 L = 371.16'  
 R = 409.00'  
 Es = 46.04'  
 Se = 3.80%  
 Des. Spd. = 30 MPH  
 Transition Length = (See Plans)

H. CRAIG & DORIS C. ALLEN  
 D.B. 2444 PG. 210

SAUNDERSVILLE RD.  
 P.I. = 98+20.85  
 X = 1802783.3596  
 Y = 726159.6631  
 Delta = 118°43'32.39"  
 DOC = 11°27'32.96"  
 T = 844.20'  
 L = 1036.08'  
 R = 500.00'  
 Es = 481.16'  
 Se = 4.00%  
 Des. Spd. = 35 MPH  
 Transition Length = (See Plans)

STORM SEWER PIPE								
FROM		TO		% GRADE	SIZE & MATERIAL			BEDDING MATERIAL 204-07 (CY)
CODE	OUTLET ELEV.	CODE	INLET ELEV.		18" RCP	24" RCP	30" RCP	
15	514.72	14	514.15	1.00	57'		12.08	
14	514.07	17	510.91	1.00		200'	53.20	
16	510.91	18	510.33	1.00	58'		12.30	
17	510.83	19	509.68	1.00		58'	15.42	
18	510.25	19	517.91	1.00		45'	11.97	
19	509.68	32	509.18	1.00		50'	10.60	
20	510.92	19	509.68	2.12	58'		12.30	
21	510.92	18	510.33	1.14	58'		12.30	
22	513.13	23	512.56	1.00			18.29	
23	512.48	33	511.73	1.00		75'	24.08	
25	517.03	23	512.56	3.08	145'		30.74	
24	517.68	25	517.11	1.00		57'	12.08	
26	521.57	24	517.76	2.82		150'	39.90	
27	526.71	26	521.85	3.37	150'		31.80	
28	529.07	27	526.79	4.00	57'		12.08	
29	531.68	27	526.79	3.26	150'		31.80	
30	521.89	26	521.85	1.00		24'	6.38	
31	530.08	30	521.89	8.53	96'		20.35	
				TOTALS				

SCALE 1" = 50'

SCALE 1" = 50'

ROADWAY PLAN

**SAUNDERSVILLE ROAD CONNECTOR**  
 Halo Properties  
 700 Johnny Cash Parkway  
 Hendersonville, TN 37075

SHEET

**R-1**

**GEOTECH**  
 ENGINEERING & TESTING, INC.  
 601 NORTH 4th STREET  
 MURRAY, KENTUCKY 42071  
 PHONE: 270.731.3307  
 WWW.GEOTECHENGINEERING.COM

PROJECT NO.:  
 DRAWING BY:  
 REVISION DATES:  
 REVISION NOTES:

DATE:

601 NORTH 4th STREET  
 MURRAY, KENTUCKY 42071  
 PHONE: 270.731.3307  
 WWW.GEOTECHENGINEERING.COM

403 NORTH COURT STREET  
 MARION, ILLINOIS 62959  
 PHONE: 618.997.8789