

Trunk No. 10 DESIGN FLOW (igpd) 58 n= 0.013

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW				SEWER DESIGN						PROFILE	
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS	LENGTH FT.	UPPER INVERT	LOWER INVERT	
MOUNTAIN VIEW			5696	5696	3.19208	1.958261	5	2.056174	2.514286	10	3.472395	6.369744	700	135	117.4	
MOUNTAIN VIEW			1626	7322	3.087708	2.434966	10	2.678462	2.53125	10	3.48409	6.391196	3200	117	36	
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Trunk No. 3

58

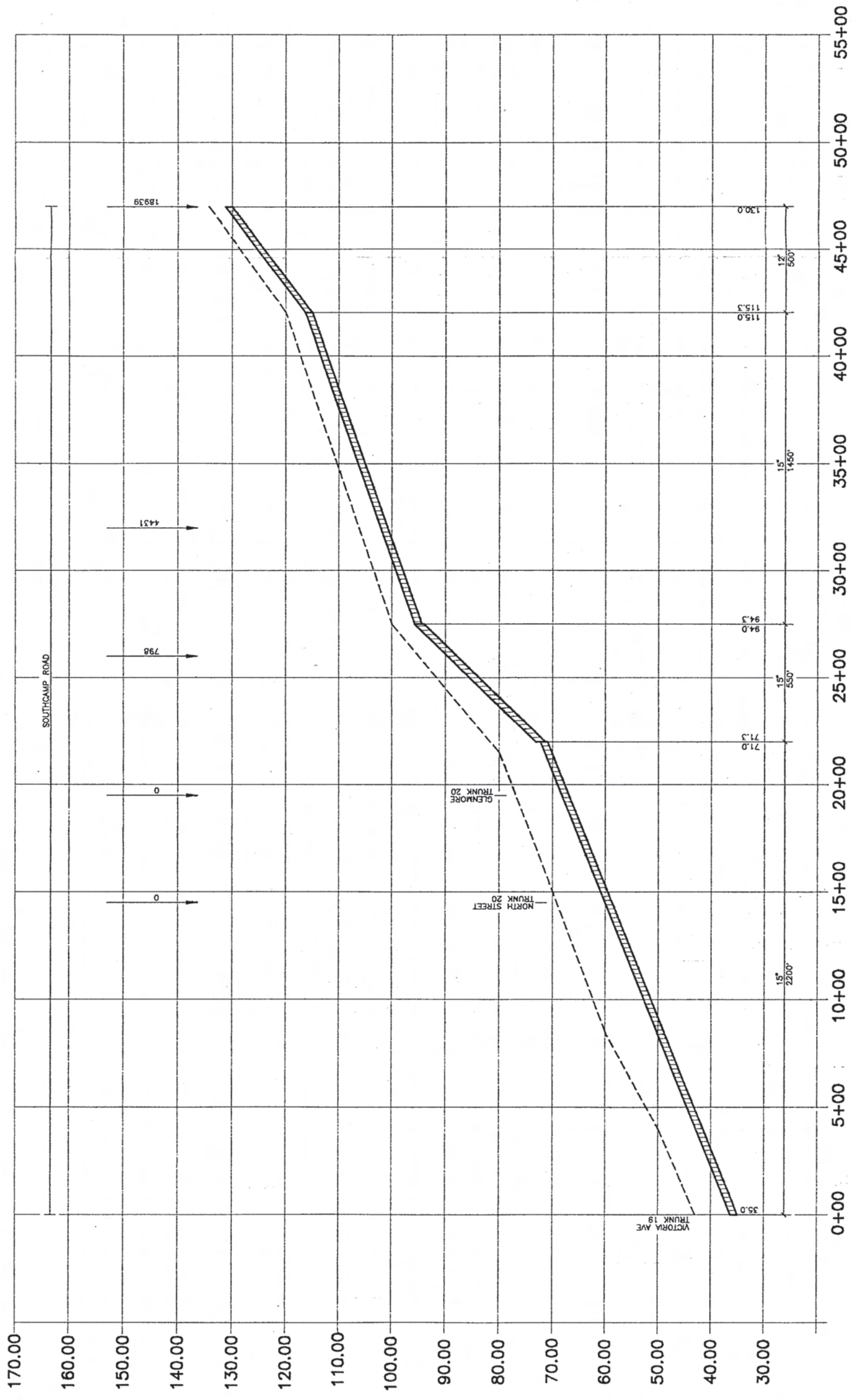
DESIGN FLOW (igpd)

n=

0.013

LOCATION	MANHOLE		POPULATION		DESIGN FLOW			SEWER DESIGN					PROFILE		
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS	LENGTH FT.	UPPER INVERT	LOWER INVERT
DUPONT			14026	14026	2.807587	4.241252	5	4.453314	1.525	15	7.973214	6.500455	2400	211	174.4
SAVANAH			5218	19244	2.66929	5.532457	5	5.80908	0.428571	18	6.873217	3.891418	700	174	171
						TRUNK 3									
WASHINGTON			14908	14908	2.780924	4.465143	5	4.688401	1.75	12	4.710758	6.000966	3200 *	221	165
WASHINGTON			4811	19719	2.658648	5.646413	5	5.928734	1.75	15	8.541173	6.963504	3200 *	221	165
WASHINGTON			19244	38963	2.366916	9.932581	5	10.42921	1.75	18	13.88889	7.86349	3200 *	221	165
WASHINGTON			0	38963	2.366916	9.932581	5	10.42921	0.423529	24	14.715	4.686305	850	154	150.4
WASHINGTON			48481	38963	2.366916	9.932581	5	10.42921	1.657143	18	13.51539	7.652023	1750	150	121
WASHINGTON			0	87444	2.048599	19.29363	5	20.25831	0.74	27	26.62815	6.700486	1000	113	105.6
				87444	2.048599	19.29363	5	20.25831	1.470588	24	27.41978	8.732414	1700	105	80
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NOTES: \*2600 feet - 12 inch dia., 300 feet - 15 inch dia., and 300 feet - 18 inch dia.

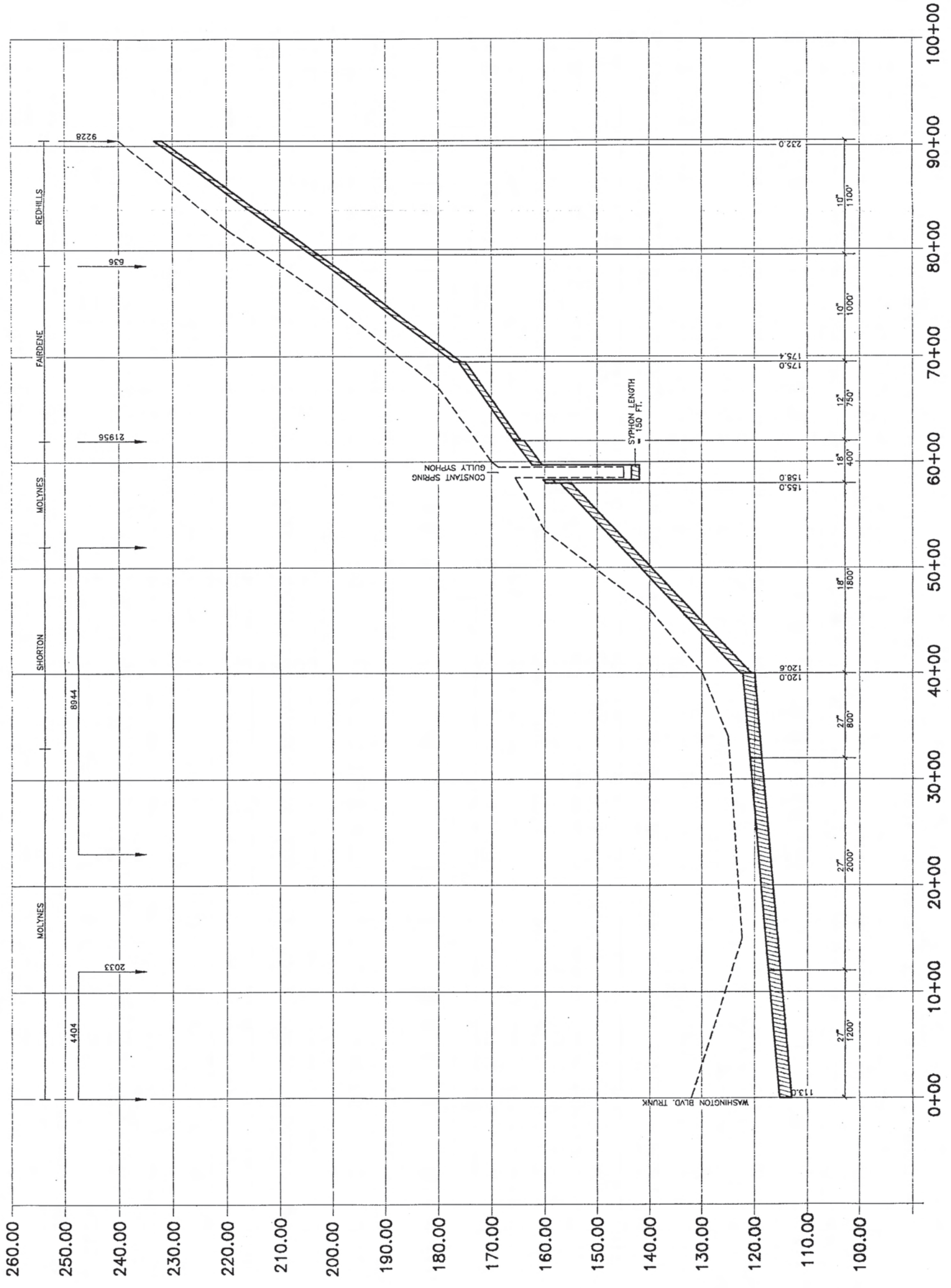


ELEVATION (FEET)  
1 INCH = 20 FT.

STATIONS (FEET)  
1 INCH = 500 FT.

LEGEND :

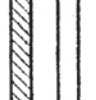

- PROPOSED PIPE
- EXISTING PIPE
- DISTRIBUTED POPULATION
- CONCENTRATED POPULATION



ELEVATION (FEET)  
1 INCH = 20 FT.

STATIONS (FEET)  
1 INCH = 1000 FT.

LEGEND :

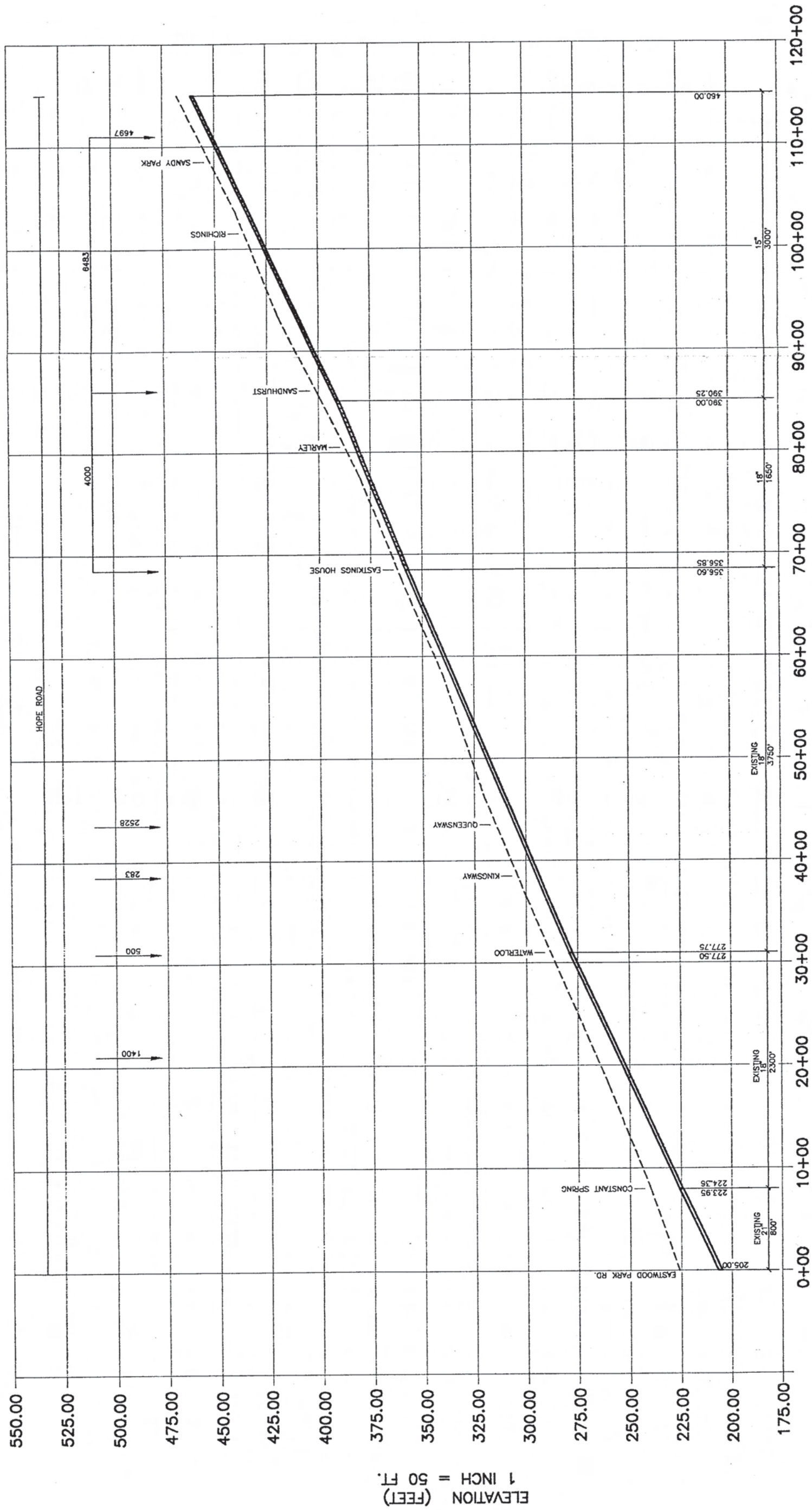
-  - PROPOSED PIPE
-  - EXISTING PIPE

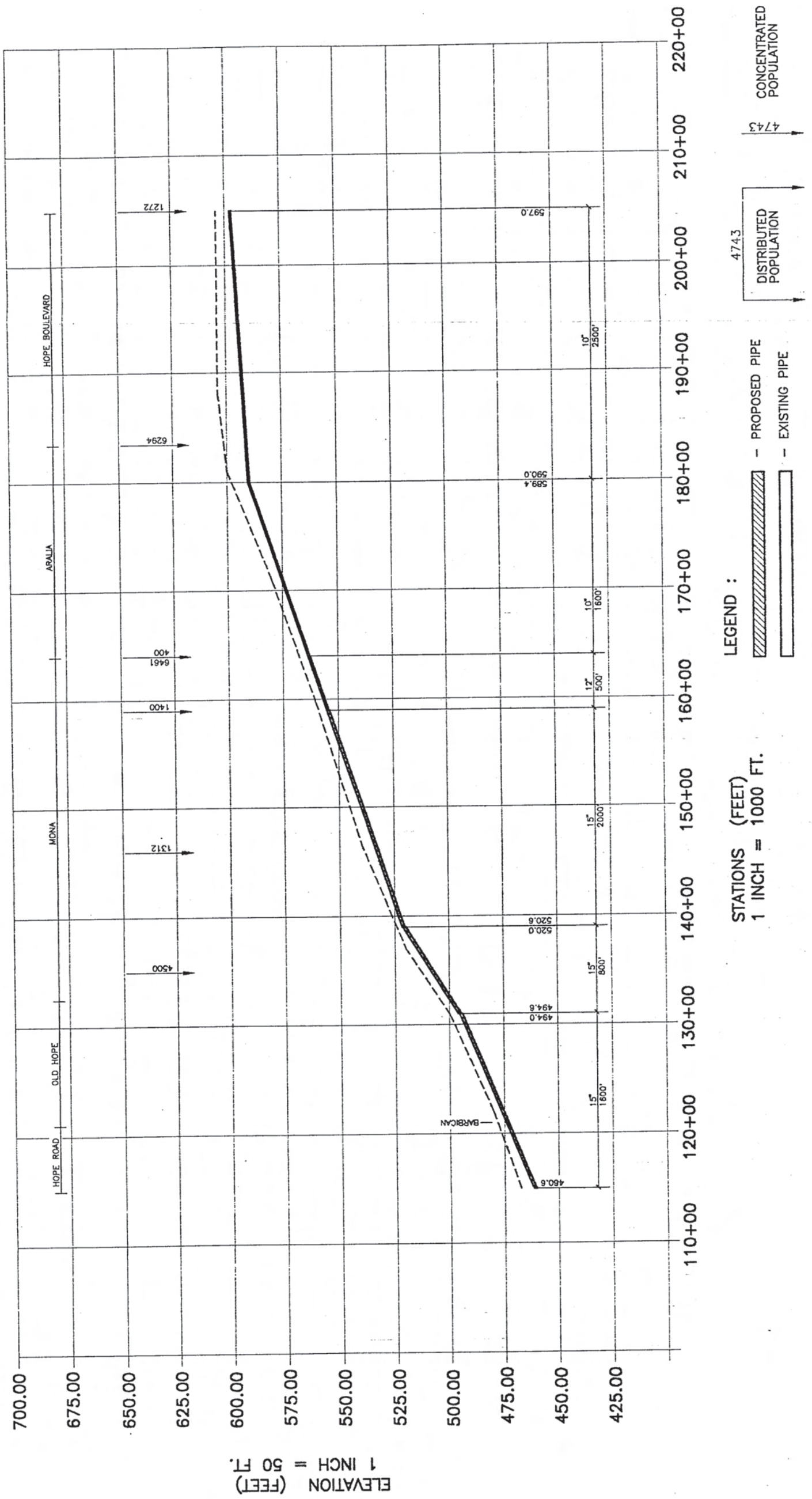
4743  
DISTRIBUTED POPULATION

4743  
CONCENTRATED POPULATION

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW			SEWER DESIGN					PROFILE		
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS	LENGTH FT.	UPPER INVERT	LOWER INVERT
REDHILLS			9288	9288	2.986486	2.987511	5	3.136887	2.695238	10	3.595178	6.594976	2100	232	175.4
FAIRDENE			636	9924	2.957977	3.161611	5	3.319691	2.695238	10	3.595178	6.594976	2100	232	175.4
FAIRDENE			0	9924	2.957977	3.161611	5	3.319691	1.478261	12	4.329596	5.515408	1150 *	175	158
MOLYNES			21956	31880	2.451343	8.416845	5	8.837687	1.478261	18	12.76509	7.227229	1150 *	175	158
SHORTON			8944	40824	2.347532	10.32176	5	10.83785	1.944444	18	14.64017	8.288846	1800	155	120
MOLYNES			0	40824	2.347532	10.32176	5	10.83785	0.175	27	12.94924	3.258438	4000	120	113
MOLYNES			2033	42857	2.327451	10.74309	5	11.28025	0.175	27	12.94924	3.258438	4000	120	113
MOLYNES			4404	47261	2.287396	11.64317	5	12.22533	0.175	27	12.94924	3.258438	4000	120	113
SHORTON			26000	26000	2.538627	7.108848	5	7.46429	0.175	24	9.458831	3.012367	4000	120	113
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NOTES: \* 750 feet - 12 inch dia., and 400 feet - 18 inch dia.

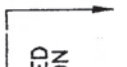


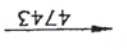


ELEVATION (FEET)  
1 INCH = 50 FT.

STATIONS (FEET)  
1 INCH = 1000 FT.

LEGEND :  
 PROPOSED PIPE  
 EXISTING PIPE

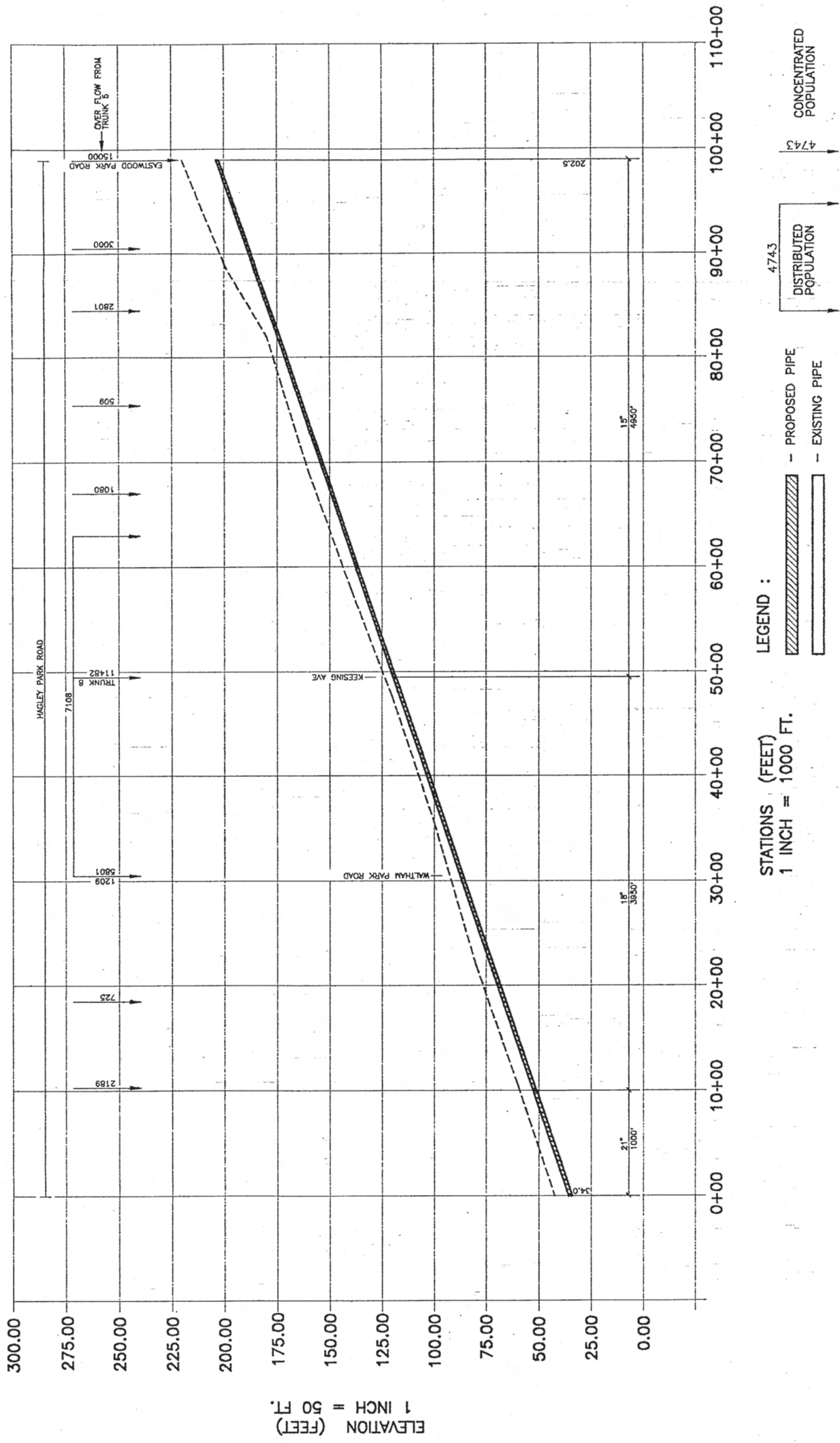
4743  
 DISTRIBUTED POPULATION

4743  
 CONCENTRATED POPULATION

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW				SEWER DESIGN				PROFILE		
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS	LENGTH FT.	UPPER INVERT	LOWER INVERT
HOPE			1272	1272	3.7302	0.51103	5	0.536581	0.28	10	1.15878	2.125659	2500	597	590
ARALIA			6294	7566	3.073879	2.50484	5	2.630082	1.678049	10	2.83677	5.203756	4100*	589.4	520.6
MONA			6861	14427	2.795266	4.343362	5	4.56053	1.678049	12	4.6129	5.876306	4100*	589.4	520.6
MONA			1400	15827	2.754756	4.69579	5	4.93058	1.678049	15	8.363745	6.818849	4100*	589.4	520.6
MONA			1312	17139	2.719917	5.020744	5	5.271781	1.678049	15	8.363745	6.818849	4100*	589.4	520.6
HOPE			4500	21639	2.618165	6.101845	5	6.406937	3.175	15	11.50457	9.379521	800	520	494.6
HOPE			0	21639	2.618165	6.101845	5	6.406937	2.0875	15	9.328498	7.6054	1600	494	460.6
HOPE			4697	26336	2.533094	7.18502	5	7.544271	1.66	15	8.318644	6.782079	1600	494	460.6
HOPE			6483	32819	2.439028	8.621227	5	9.052289	2.326667	15	9.848398	8.029267	3000	460	390.2
HOPE			4000	36819	2.390563	9.479797	5	9.953787	2.024242	18	14.93756	8.457219	1650	390	356.6
HOPE			2528	39347	2.362833	10.01317	5	10.51383	2.109333	18	15.24829	8.633143	3750**	356.6	277.5
HOPE			283	39630	2.359852	10.07247	5	10.57609	2.109333	18	15.24829	8.633143	3750**	356.6	277.5
HOPE			500	40130	2.354643	10.17703	5	10.68588	2.310435	18	15.95862	9.035312	2300**	277.5	224.36
HOPE			1400	41530	2.340434	10.46852	5	10.99195	2.310435	18	15.95862	9.035312	2300**	277.5	224.36
MIN SLOPE			0	41530	2.340434	10.46852	5	10.99195	2.36875	18	16.15876	9.148627	800***	223.95	205
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NOTES: \* 1600 feet - 10 inch dia., 500 feet - 12 inch dia., and 2000 feet - 15 inch dia.  
 \*\* Existing 18 inch dia.  
 \*\*\* Existing 21 inch dia.





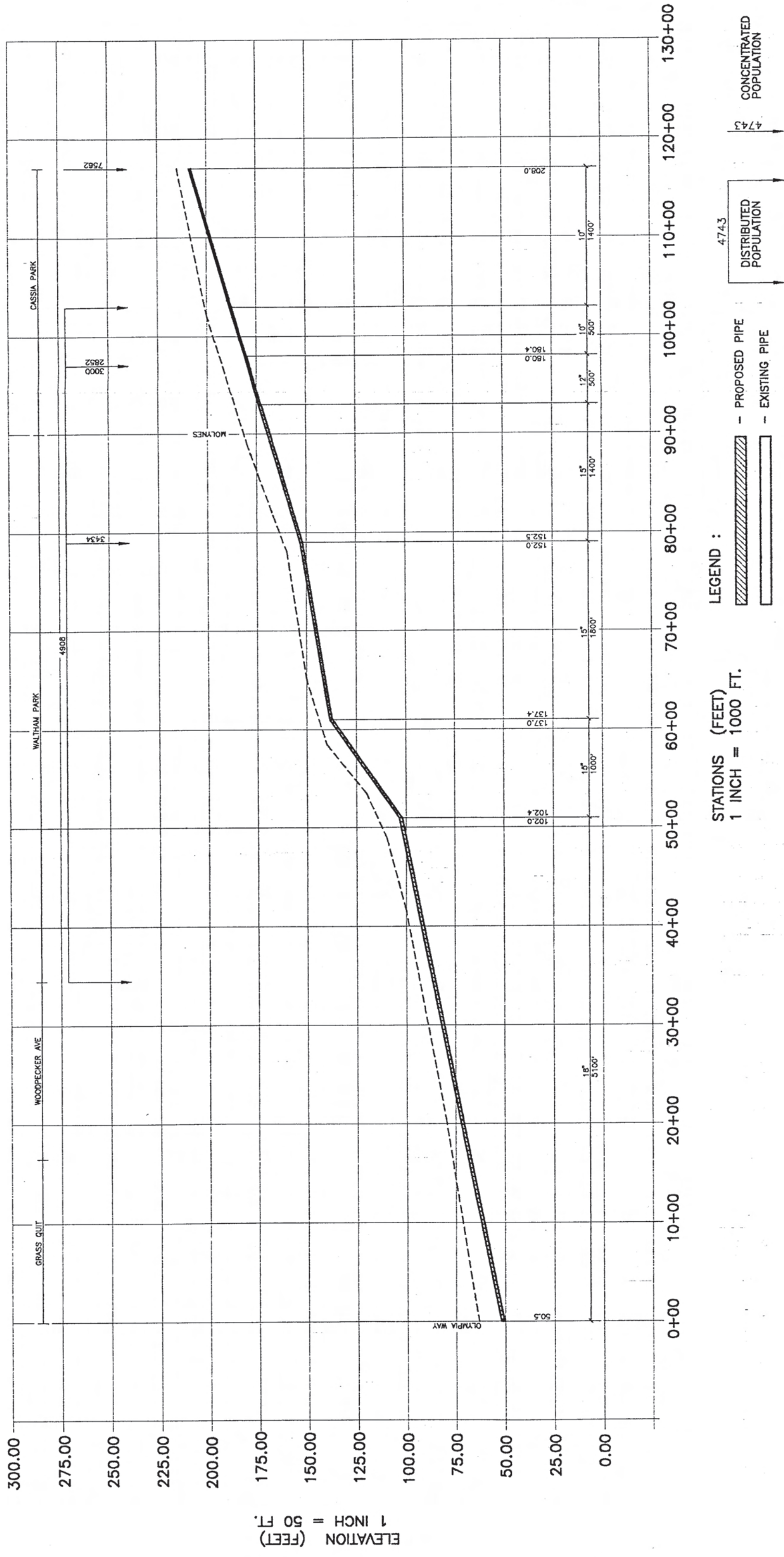
ELEVATION (FEET)  
1 INCH = 50 FT.

STATIONS (FEET)  
1 INCH = 1000 FT.

LEGEND :  
 - PROPOSED PIPE  
 - EXISTING PIPE  
 - DISTRIBUTED POPULATION  
 - CONCENTRATED POPULATION

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW				DESIGN FLOW (igpd)				58	PROFILE	
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS		LENGTH FT.	UPPER INVERT
HAGLEY			18000	18000	2.698485	5.231418	5	5.492988	1.70202	15	8.423272	6.867381	9900	202.5	34
HAGLEY			2801	20801	2.635359	5.904062	5	6.199265	1.70202	15	8.423272	6.867381	9900	202.5	34
HAGLEY			700	21501	2.620949	6.069377	5	6.372846	1.70202	15	8.423272	6.867381	9900	202.5	34
HAGLEY			509	22010	2.610773	6.188936	5	6.498383	1.70202	15	8.423272	6.867381	9900	202.5	34
HAGLEY			0	22010	2.610773	6.188936	5	6.498383	1.70202	15	8.423272	6.867381	9900	202.5	34
HAGLEY			1088	23098	2.589818	6.44274	5	6.764877	1.70202	15	8.423272	6.867381	9900	202.5	34
HAGLEY			11482	34580	2.416936	9.001544	5	9.451621	1.70202	18	13.69717	7.754944	9900	202.5	34
HAGLEY			2600	37180	2.386476	9.55638	5	10.0342	1.70202	18	13.69717	7.754944	9900	202.5	34
HAGLEY			3201	40381	2.352055	10.22943	5	10.7409	1.70202	18	13.69717	7.754944	9900	202.5	34
HAGLEY			1209	41590	2.339837	10.48097	5	11.00502	1.70202	18	13.69717	7.754944	9900	202.5	34
HAGLEY			725	42315	2.332699	10.63114	10	11.69426	1.70202	18	13.69717	7.754944	9900	202.5	34
HAGLEY			2189	44504	2.311951	11.08165	10	12.18982	1.70202	18	13.69717	7.754944	9900	202.5	34
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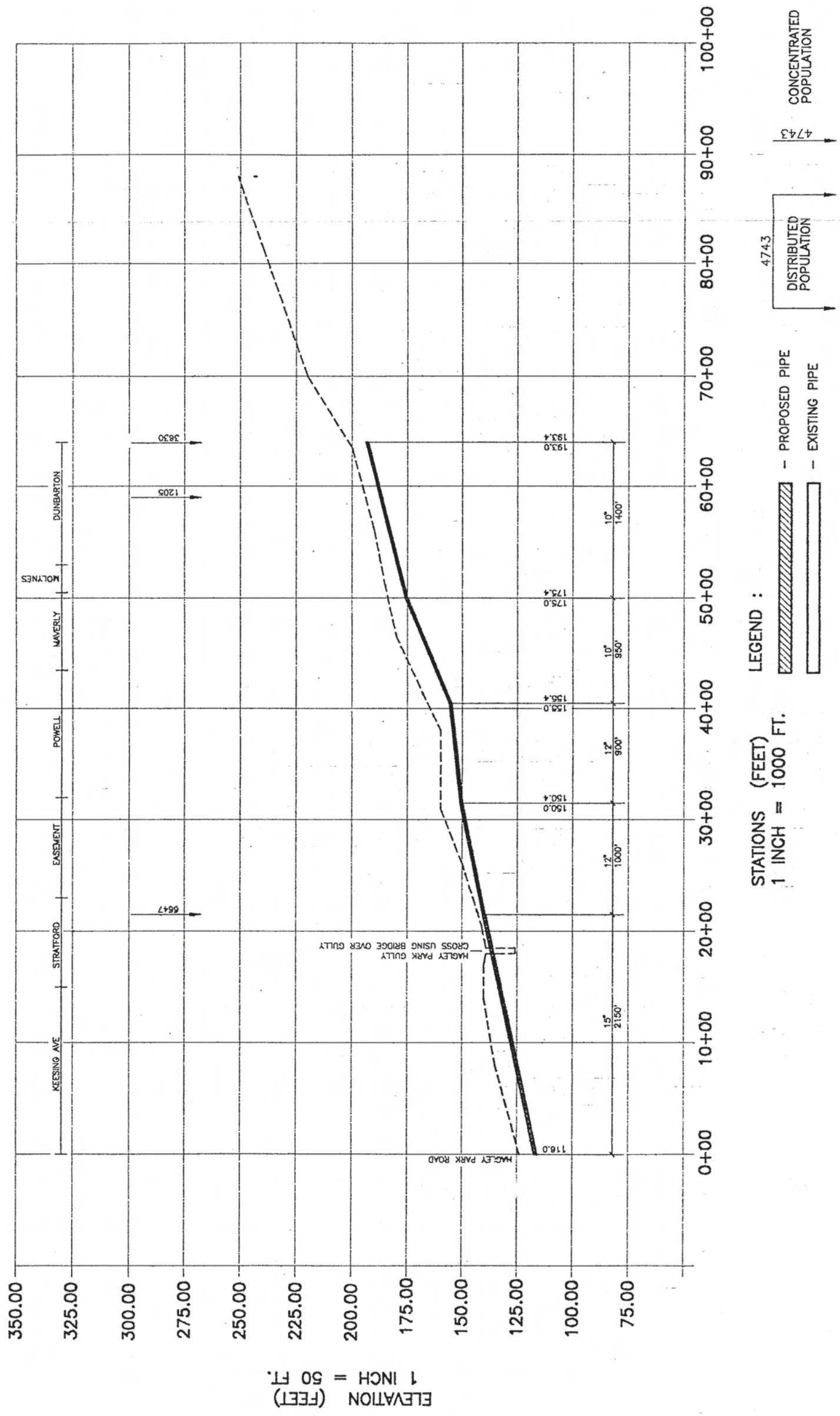
NOTES: \* 4950 feet - 15 inch dia., and 4950 feet - 18 inch dia.



LOCATION	STREET/ROAD		POPULATION		PEAK		DESIGN FLOW		SEWER DESIGN				PROFILE		
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	FACTOR	SEWAGE CFS	% OF FLOW	TOTAL Q CFS	SLOPE %	DIAM INCHES	Q CFS	V FFS	LENGTH FT.	UPPER INVERT	LOWER INVERT
			7562	7562	3.074102	2.503697	5	2.628882	1.452632	10	2.63937	4.84164	1900	208	180.4
CASSIA			5852	13414	2.827077	4.084349	5	4.288566	1.447368	12	4.28412	5.45747	1900*	180	152.5
CASSIA			1000	14414	2.79566	4.34006	5	4.557063	1.447368	15	7.76762	6.33284	1900*	180	152.5
WALTHAM			2434	16848	2.727407	4.949089	5	5.196543	0.811111	15	5.81485	4.74077	1800	152	137.4
WALTHAM			2454	19302	2.667976	5.5464	5	5.82372	0.811111	15	5.81485	4.74077	1800	152	137.4
WALTHAM			2454	21756	2.61582	6.129341	5	6.435808	3.46	12	6.62384	8.43801	1000	137	102.4
WOODPECKER			0	21756	2.61582	6.129341	10	6.742275	1.009804	18	10.5504	5.97331	5100	102	50.5
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Trunk No. 7 58 n= 0.013

NOTES: \* 500 feet - 12 inch dia., and 1400 feet - 15 inch dia.



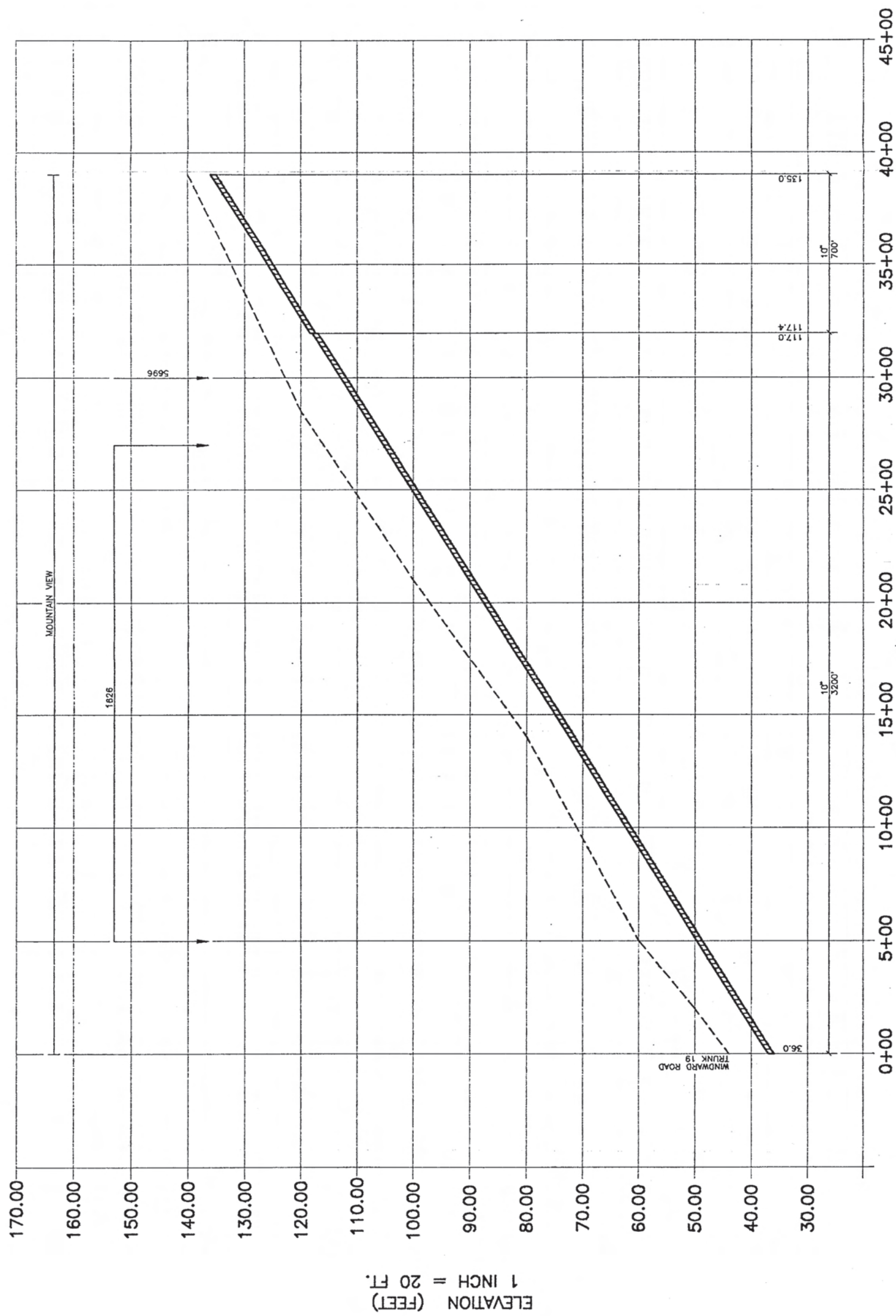
LOCATION		STREET/ROAD		POPULATION		DESIGN FLOW				DESIGN FLOW (igpd)				PROFILE		
		FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FFS	LENGTH FT.	UPPER INVERT	LOWER INVERT
DUMBARTON				2600	2600	3.494454	0.978542	5	1.027469	1.725	8	1.586316	4.546765	1600	243	215.4
DUMBARTON				1030	3630	3.370769	1.31784	5	1.383732	2.7	8	1.984618	5.688396	800	215	193.4
DUMBARTON				1205	4835	3.258479	1.69683	5	1.781671	1.257143	10	2.455354	4.504089	1400	193	175.4
POWELL				0	4835	3.258479	1.69683	5	1.781671	2.063158	10	3.145488	5.770067	950	175	155.4
KEESING				0	4835	3.258479	1.69683	5	1.781671	0.511111	12	2.54583	3.243096	900	155	150.4
KEESING				6647	11482	2.894834	3.579877	5	3.758871	1.079365	15	6.70784	5.468812	3150 *	150	116
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						4.5	0	15	0	ERR		ERR	ERR			
						4.5	0	15	0	ERR		ERR	ERR			

NOTES: \* 1000 feet - 12 inch dia., and 2150 feet - 15 inch dia.

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW				SEWER DESIGN				PROFILE		
					PEAK FACTOR	SEWAGE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS	LENGTH FT.	UPPER INVERT	LOWER INVERT
WATERLOO			1885	1855	3.610974	0.721432	5	0.757503	1.12	8	1.27822	3.66368	750	117	108.6
WATERLOO			500	2355	3.529541	0.895233	10	0.984756	2.1	8	1.75027	5.01669	3000	108	45
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					4.5	0	10	0	ERR		ERR	ERR			
					4.5	0	10	0	ERR		ERR	ERR			
					4.5	0	10	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			

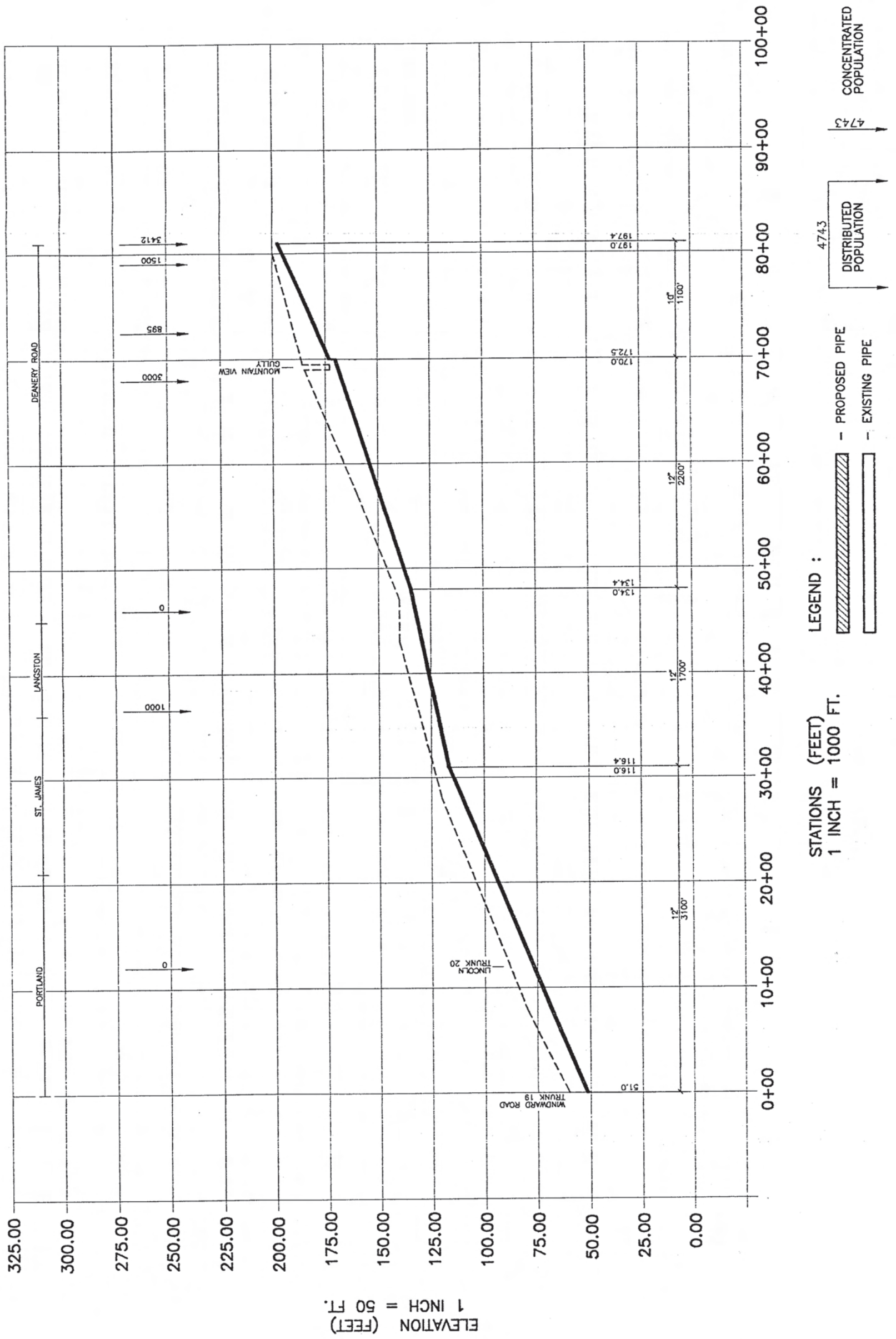
Trunk No. 9 DESIGN FLOW (igpd) 58 n= 0.013

NOTES: Largest pipe diameter is 8 inches, and considered a local sewer. There is no separate profile; nor is it shown on Fig. 5.1



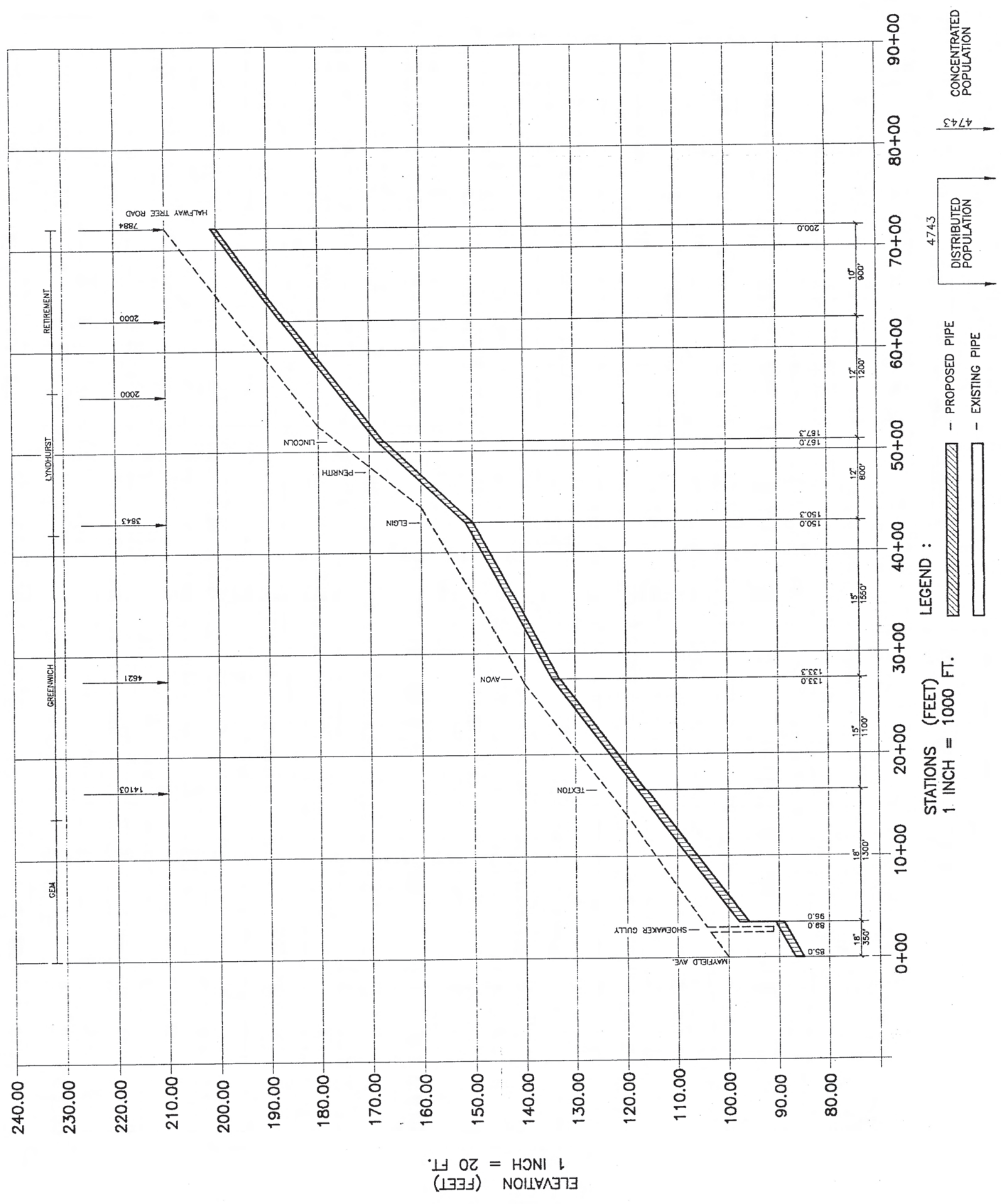






LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW				SEWER DESIGN				PROFILE		
			INDIVIDUAL	CUMULATIV	PEAK	SEWAGE	INFILTR.	TOTAL	SLOPE	DIAM.	Q	V	LENGTH	UPPER	LOWER
			P	P	FACTOR	CFS	% OF FLOW	Q,CFS	%	INCHES	CFS	FPS	FT.	INVERT	INVERT
DEANERY			1912	1912	3.600901	0.741525	5	0.778601	3.145455	8	2.142086	6.139736	1100	232	197.4
DEANERY			1500	3412	3.394325	1.247353	5	1.30972	3.145455	8	2.142086	6.139736	1100	232	197.4
DEANERY			1500	4912	3.252142	1.720501	5	1.806526	2.227273	10	3.268199	5.995168	1100	197	172.5
DEANERY			895	5807	3.184165	1.991472	5	2.091046	2.227273	10	3.268199	5.995168	1100	197	172.5
DEANERY			3000	8807	3.009283	2.854421	5	2.997142	1.618182	12	4.529867	5.770531	2200	170	134.4
LANGSTON			0	8807	3.009283	2.854421	5	2.997142	1.035294	12	3.623295	4.615662	1700	134	116.4
LANGSTON			1000	9807	2.96309	3.129738	5	3.286225	1.035294	12	3.623295	4.615662	1700	134	116.4
PORTLAND			0	9807	2.96309	3.129738	10	3.442712	2.096774	12	5.156412	6.568678	3100	116	51
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					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
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Trunk No. 13 DESIGN FLOW (igpd) 58 n= 0.013



Trunk No. 14

DESIGN FLOW (igpd)

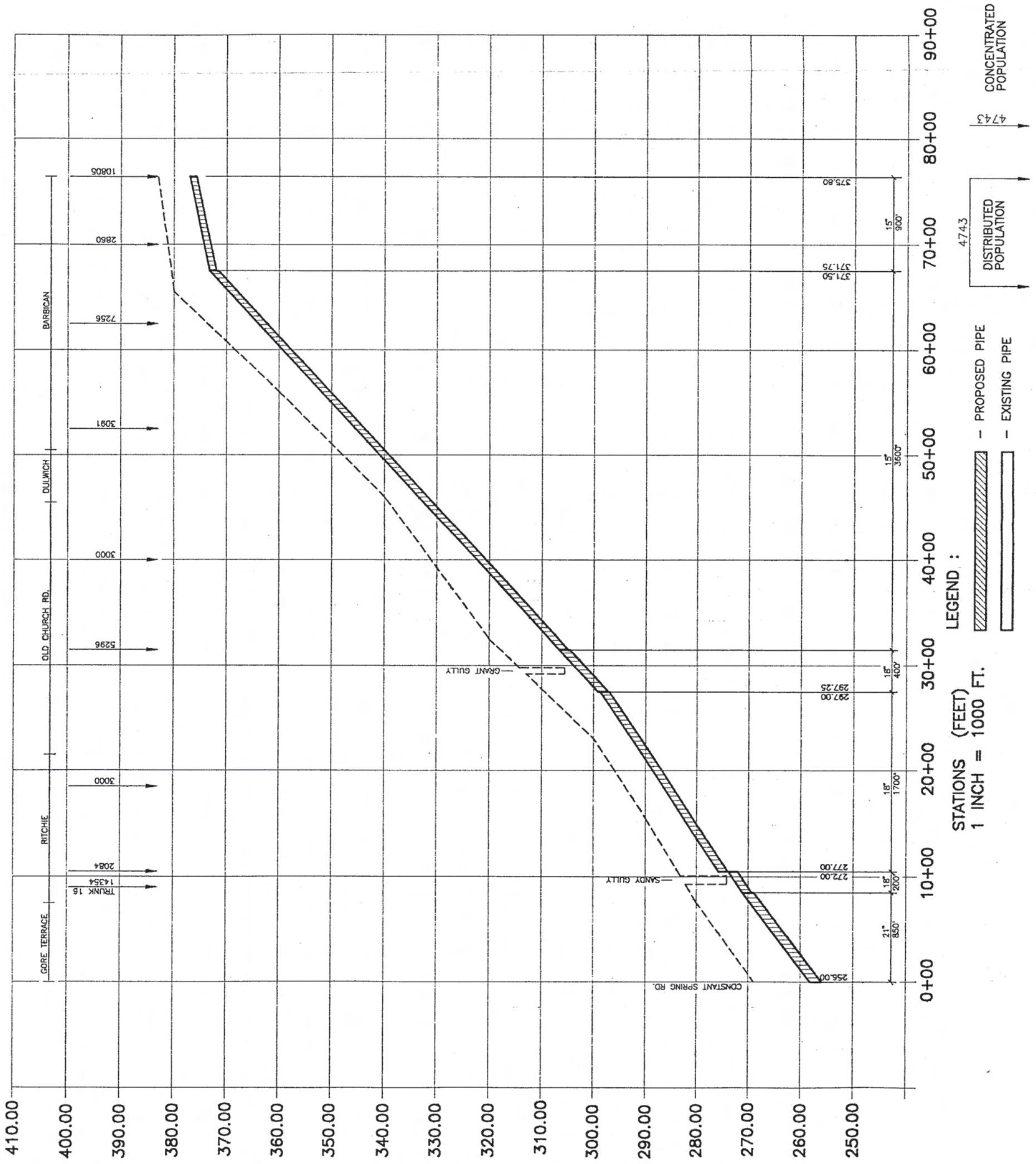
58

n= 0.013

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW			SEWER DESIGN				PROFILE			
	FROM	TO	INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAQE CFS	INFILTR. % OF FLOW	TOTAL Q CFS	SLOPE %	DIAM. INCHES	Q CFS	V FPS	LENGTH FT.	UPPER INVERT	LOWER INVERT
RETIREMENT			7884	7884	3.056451	2.59532	5	2.725086	1.557143	10	2.732663	5.012782	2100*	200	167.3
RETIREMENT			2000	9884	2.959719	3.150722	5	3.308258	1.557143	12	4.443611	5.660651	2100*	200	167.3
LYNDHURST			2000	11884	2.879871	3.686062	5	3.870365	1.557143	12	4.443611	5.660651	2100*	200	167.3
LYNDHURST			3643	15527	2.763128	4.620782	5	4.851822	2.0875	12	5.144996	6.554135	800	167	150.3
GREENWICH			0	15527	2.763128	4.620782	5	4.851822	1.077419	15	6.701791	5.463888	1550	150	133.3
GREENWICH			4621	20148	2.649261	5.748884	5	6.036328	1.541667	15	8.016665	6.535888	2400**	133	96
GEM			14103	34251	2.420968	8.930778	10	9.823856	1.541667	18	13.03598	7.390598	2400**	133	96
GEM			0	34251	2.420968	8.930778	10	9.823856	1.142857	18	11.22392	6.354659	350	89	85
					4.5	0	0	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			

NOTES: \* 900 feet - 10 inch dia., and 1200 feet - 12 inch dia.

\*\* 1100 feet - 15 inch dia., and 1300 feet - 18 inch dia.



ELEVATION (FEET)  
1 INCH = 20 FT.

STATIONS (FEET)  
1 INCH = 1000 FT.

LEGEND :  
 - PROPOSED PIPE  
 - EXISTING PIPE

47.43  
 DISTRIBUTED POPULATION  
 CONCENTRATED POPULATION

LOCATION	STREET/ROAD		POPULATION		DESIGN FLOW				SEWER DESIGN				PROFILE		
					DESIGN FLOW		DESIGN FLOW		DESIGN FLOW		DESIGN FLOW		LENGTH FT.	UPPER INVERT	LOWER INVERT
					INDIVIDUAL P	CUMULATIVE P	PEAK FACTOR	SEWAGE CFS	INFILTR. %FLOW	TOTAL Q.CFS	SLOPE %	D.IAM. INCHES			
BARBICAN	FROM	TO	10805	10805	2.921204	3.399489	5	3.569463	0.455556	15	4.35782	3.55287	900	375.8	371.7
BARBICAN			2860	13665	2.81898	4.148858	5	4.356301	0.455556	15	4.35782	3.55287	900	375.8	371.7
BARBICAN			7256	20921	2.632853	5.932476	5	6.2291	1.8575	15	8.7996	7.1742	4000	371.5	297.2
BARBICAN			3091	24012	2.572998	6.654181	5	6.98689	1.8575	15	8.7996	7.1742	4000	371.5	297.2
OLD CHURCH			3000	27012	2.522185	7.33771	5	7.704595	1.8575	15	8.7996	7.1742	4000	371.5	297.2
OLD CHURCH			5296	32308	2.445682	8.510144	5	8.935651	1.8575	18	14.3091	8.10141	4000	371.5	297.2
RITCHIE			3000	35308	2.40816	9.157677	5	9.615561	1.176471	18	11.3878	6.44743	1700	297	277
RITCHIE			2084	37392	2.384097	9.601288	5	10.08135	1.176471	18	11.3878	6.44743	1700	297	277
GORE TERRACE			0	37392	2.384097	9.601288	5	10.08135	1.52381	18	12.9603	7.33773	1050 *	272	256
GORE TERRACE			14354	51746	2.250729	12.54374	5	13.17092	1.52381	21	19.5496	8.13192	1050 *	272	256
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
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					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			
					4.5	0	15	0	ERR		ERR	ERR			

Trunk No. 15      DESIGN FLOW (fgpd)      58      n=      0.013

NOTES:      \* 200 feet - 18 inch dia., and 850 feet - 21 inch dia.

