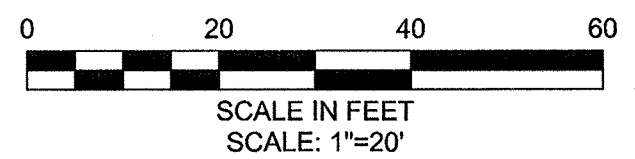
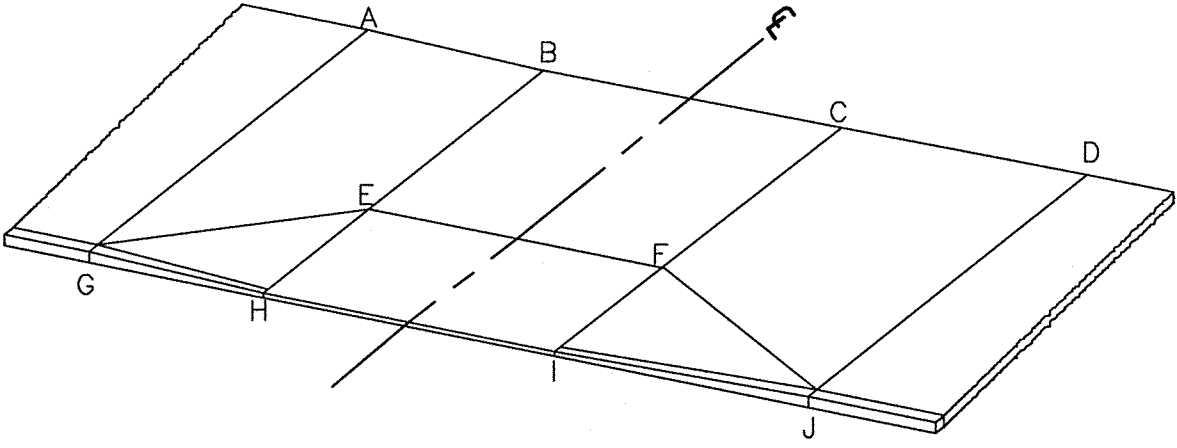


LAKEVIEW AVENUE DRIVEWAY SCHEDULE



DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	J	K
231	405+46.69	14.50	3.50	3.50	5.65	5.62	12.09	6.50	6.50	25.51	25.55	25.61	25.65	25.44	25.50	24.90	24.94	25.00	25.04
232	405+64.25	14.50	3.50	3.50	5.63	5.54	12.91	6.50	6.50	25.61	25.58	25.50	25.46	25.48	25.40	25.14	25.11	25.03	24.99
233	405+93.43	14.50	2.00	2.00	6.99	7.28	10.98	6.50	6.50	25.80	25.84	25.90	25.94	25.73	25.79	25.17	25.21	25.27	25.31
234	406+12.65	14.50	3.50	3.50	5.95	6.15	10.67	6.50	6.50	26.00	25.96	25.90	25.86	25.86	25.80	25.42	25.38	25.32	25.28
235	406+37.46	14.50	3.50	3.50	5.35	5.17	12.06	6.50	6.50	26.05	26.09	26.16	26.19	25.99	26.06	25.42	25.46	25.53	25.56
236	406+60.60	14.50	3.50	3.50	6.03	6.00	9.19	6.50	6.50	26.08	26.05	25.99	25.95	25.95	25.89	25.69	25.66	25.60	25.56
237	406+81.55	14.50	3.50	3.50	5.52	5.28	10.93	6.50	6.50	26.31	26.35	26.41	26.45	26.24	26.30	26.68	25.72	25.78	25.82
238	407+09.53	14.50	3.50	3.50	6.07	5.99	11.48	6.50	6.50	26.46	26.42	26.36	26.32	26.32	26.26	25.98	25.94	25.88	25.84
239	407+59.46	14.50	3.50	3.50	5.83	6.08	8.56	6.50	6.50	26.83	26.79	26.74	26.70	26.69	26.64	26.36	26.32	26.27	26.23
240	408+08.36	14.50	3.50	3.50	6.51	6.92	11.12	6.50	11.00	27.29	27.33	27.39	27.46	27.20	27.26	26.86	26.90	26.96	27.03
241	408+07.84	14.50	2.00	2.00	7.41	7.34	9.13	11.00	6.50	27.45	27.38	27.33	27.29	27.25	27.20	27.02	26.95	26.90	26.86
242	408+56.69	14.50	3.50	3.50	5.32	5.25	13.61	11.00	6.50	28.40	28.34	28.26	28.22	28.23	28.15	27.92	27.86	27.78	27.74
243	408+62.68	14.50	3.50	3.50	5.33	5.37	12.32	6.50	11.00	28.25	28.28	28.36	28.42	28.17	28.25	27.88	27.91	27.99	28.05
244	409+04.04	14.50	3.50	3.50	5.60	5.36	9.64	11.00	6.50	30.29	29.80	29.36	29.07	29.69	29.25	29.66	29.17	28.73	28.44
245	409+36.65	14.50	3.50	3.50	5.25	5.22	14.01	6.50	11.00	29.68	29.97	30.60	31.08	29.87	30.50	29.27	29.56	30.19	30.67
246	409+52.09	14.50	3.50	3.50	5.53	5.44	10.38	15.00	6.50	31.79	31.12	30.66	30.37	31.02	30.56	31.24	30.57	30.11	29.82
247	409+94.85	14.50	3.50	3.50	5.50	5.62	12.02	15.00	6.50	33.28	32.61	32.07	31.77	32.50	31.96	32.75	32.08	31.54	31.24
248	410+03.92	14.50	3.50	3.50	5.43	5.31	10.40	6.50	15.00	32.04	32.34	32.80	33.46	32.24	32.70	31.61	31.91	32.37	33.03



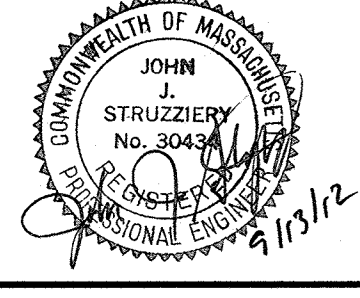
TYPICAL DRIVEWAY LEGEND
SCALE: N.T.S.

CONFORMED SET

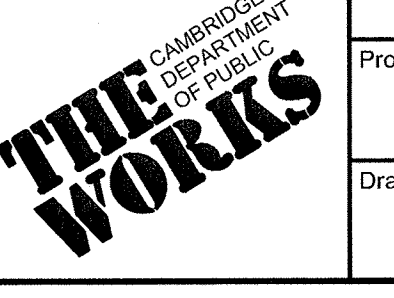
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KLEINFELDER SEA
Bright People. Right Solutions.
MANCHESTER, NEW HAMPSHIRE ROCKY HILL, CONNECTICUT
CAMBRIDGE, MASSACHUSETTS

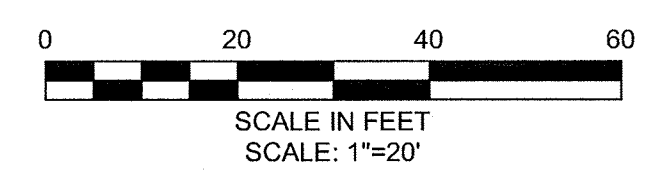
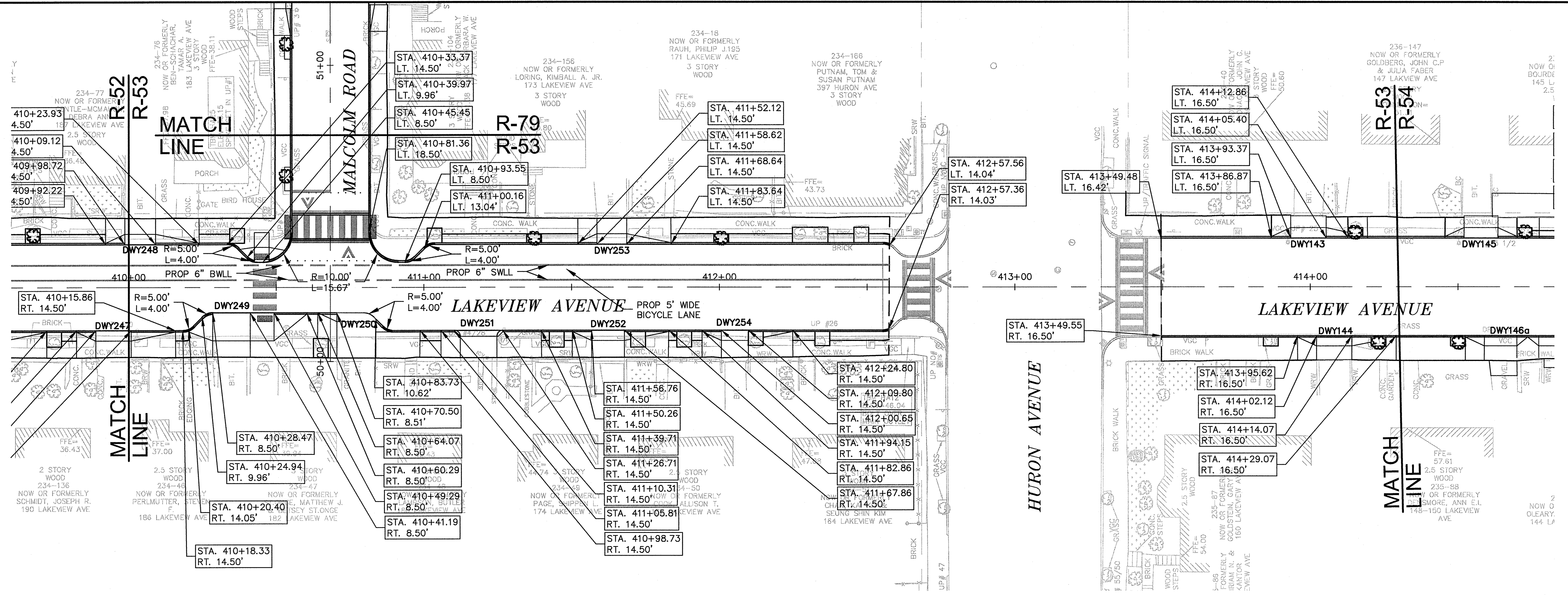
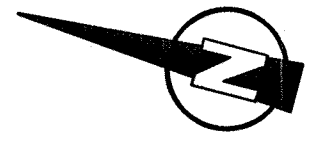
MWH
285 SUMMER STREET, SUITE 200
BOSTON, MASSACHUSETTS 02210
TEL: (617) 314-7100



Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJUL		
Drawn by	TALJUL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

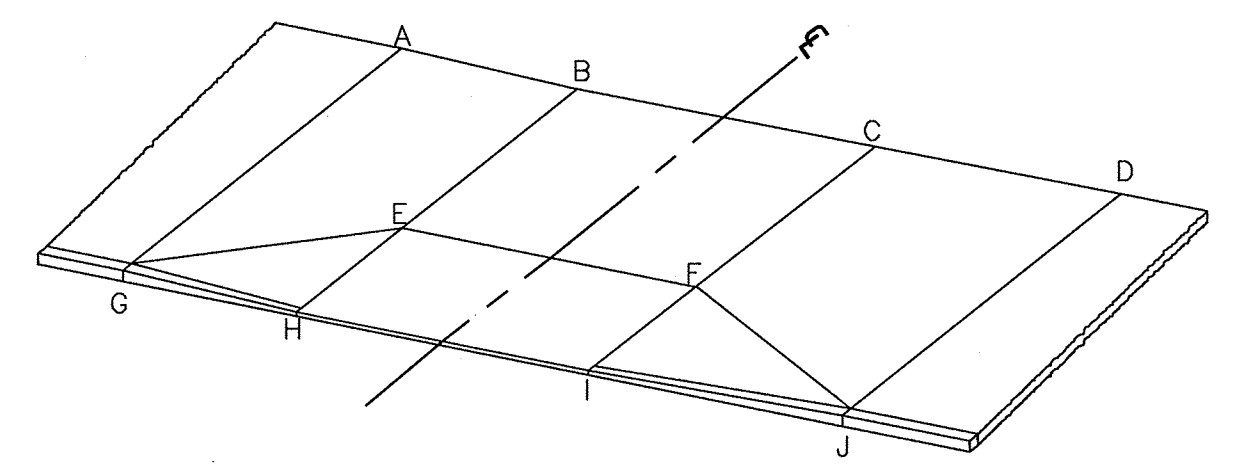


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-52
Project	HURON A SEWER SEPARATION PROJECT	File No.	
Drawing	ROADWAY - LAKEVIEW AVENUE Curb Tie Plan STA 404+25 to 409+00		



LAKEVIEW AVENUE DRIVEWAY SCHEDULE

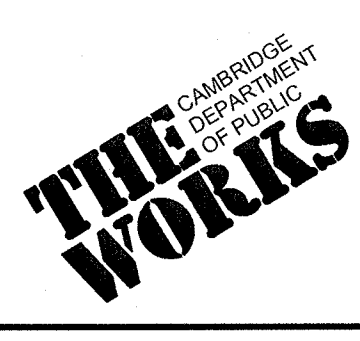
DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	J	K
143	413+99.38	16.50	3.13	3.13	4.63	4.01	12.03	6.50	7.46	48.55	48.79	49.29	49.91	48.71	49.21	48.11	48.39	48.89	49.48
144	414+08.09	16.50	4.16	4.22	4.00	4.00	11.94	6.50	6.50	50.58	49.85	49.35	49.07	49.78	49.27	49.89	49.29	48.75	48.45
249	410+34.83	8.50	9.50	9.50	5.52	5.50	20.60	11.00	9.79	33.48	32.99	32.06	31.69	32.88	31.95	32.95	32.46	31.53	31.16
250	410+77.11	14.50	3.50	3.50	5.75	5.77	13.24	15.00	8.24	36.70	36.03	35.43	35.14	35.93	35.33	36.15	35.48	34.88	34.59
251	411+18.53	14.50	2.00	2.00	7.23	7.26	12.40	15.00	6.50	38.38	37.70	37.15	36.86	37.60	37.05	37.99	37.31	36.76	36.47
252	411+62.31	14.50	3.50	3.50	5.23	5.67	11.10	15.00	6.50	40.36	39.69	39.19	38.90	39.58	39.08	39.92	39.25	38.75	38.46
253	411+63.63	14.50	3.50	3.50	5.26	5.29	10.03	6.50	15.00	38.82	39.11	39.56	40.23	39.01	39.46	38.54	38.83	39.23	39.95
254	412+05.22	14.50	3.50	3.50	5.65	5.82	9.16	15.00	6.50	42.18	41.51	41.10	40.81	41.41	41.00	41.80	41.13	40.72	40.43



TYPICAL DRIVEWAY LEGEND
SCALE: N.T.S.

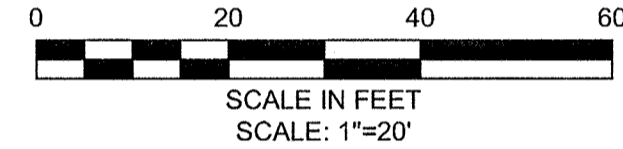
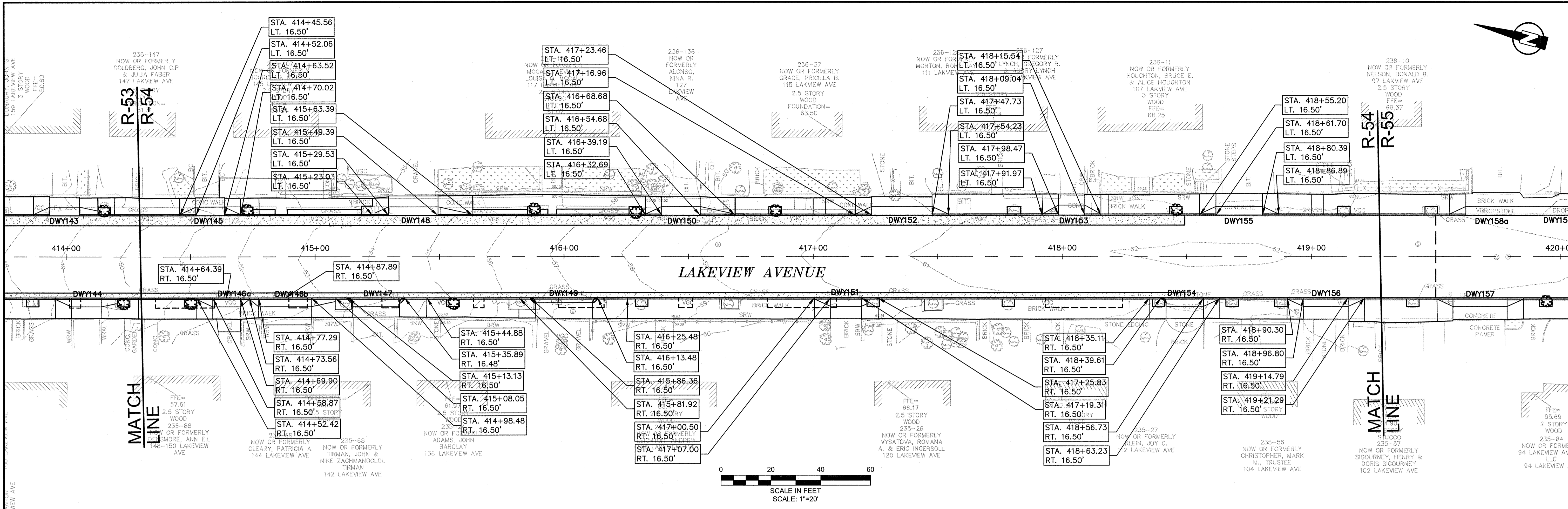
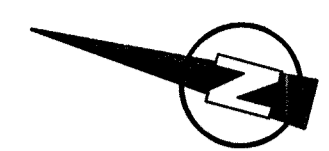
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



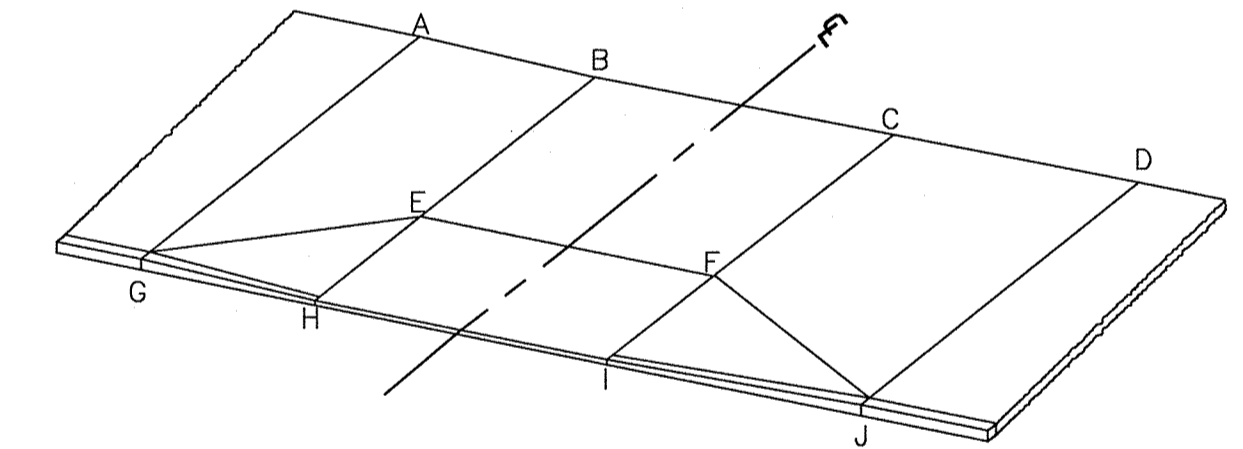
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-53
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - LAKEVIEW AVENUE Curb Tie Plan STA 409+00 to 414+25		

CONFORMED SET



LAKEVIEW AVENUE DRIVEWAY SCHEDULE

DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF RAMP (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	J	K
145	414+57.79	16.50	2.98	3.08	4.00	4.00	11.56	6.50	6.50	51.01	51.11	51.59	51.86	51.05	51.53	50.59	50.85	51.34	51.61
146A	414+64.39	16.50	3.50	3.50	5.00	4.89	11.02	3.66	6.50	52.38	52.22	51.73	51.46	52.13	51.66	52.27	51.61	51.14	50.87
146B	414+87.89	16.50	3.50	3.50	4.30	4.43	21.01	14.00	3.7	53.99	53.42	52.54	52.38	53.33	52.44	53.42	52.81	N/A	51.76
147	415+23.87	16.50	3.66	3.77	4.00	4.00	20.03	14.00	N/A	55.17	54.92	54.04	53.96	54.88	53.98	54.34	N/A	54.79	55.36
148	415+39.46	16.50	2.86	2.91	4.00	4.00	19.86	6.50	14.00	54.43	54.64	55.35	55.88	54.58	55.29	53.84	54.08	54.79	55.36
149	415+98.92	16.50	4.11	4.11	4.41	4.00	25.12	14.00	N/A	57.71	57.54	56.86	56.57	57.46	56.56	57.34	N/A	54.79	56.20
150	416+46.93	16.50	2.98	2.72	4.00	4.00	15.49	6.50	6.50	58.00	58.54	58.67	59.39	58.21	58.87	57.68	57.95	58.61	59.20
151	417+14.22	16.50	3.50	3.50	5.24	5.00	14.45	N/A	6.50	61.00	60.73	60.21	59.94	60.65	60.13	60.42	60.15	59.63	59.36
152	417+35.60	16.50	4.49	3.25	4.00	4.00	24.26	6.50	6.50	60.10	60.37	60.79	60.74	60.31	60.73	59.52	59.79	60.21	60.16
153	418+05.22	16.50	2.64	3.93	4.00	4.00	13.50	6.50	6.50	62.04	61.99	61.91	61.86	61.92	61.84	61.38	61.33	61.25	61.20
154	418+48.17	16.50	3.50	3.50	4.86	5.05	17.12	6.50	N/A	61.99	62.03	62.15	62.19	61.97	62.09	61.36	61.40	N/A	61.56
155	418+71.04	16.50	4.73	4.70	4.00	4.00	18.69	6.50	6.50	62.29	62.24	62.10	62.05	62.17	62.03	61.71	61.66	61.52	61.47
156	419+05.79	16.50	3.50	3.50	6.04	5.18	17.99	6.50	6.50	61.74	61.78	61.92	61.96	61.70	61.84	61.14	61.18	61.32	61.36



TYPICAL DRIVEWAY LEGEND

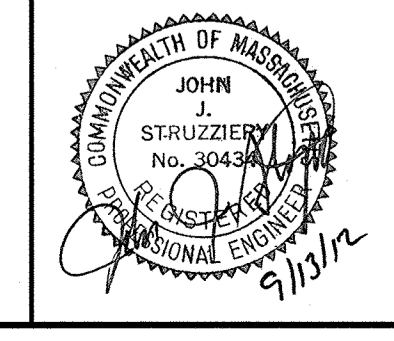
SCALE: N.T.S.

CONFORMED SET

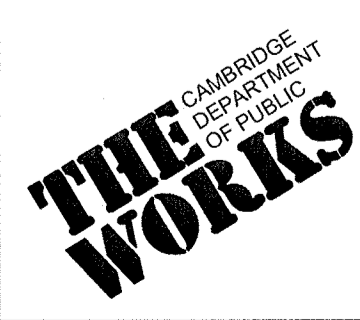
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KLEINFELDER SEA
Bright People. Right Solutions.
MANCHESTER, NEW HAMPSHIRE ROCKY HILL, CONNECTICUT
CAMBRIDGE, MASSACHUSETTS

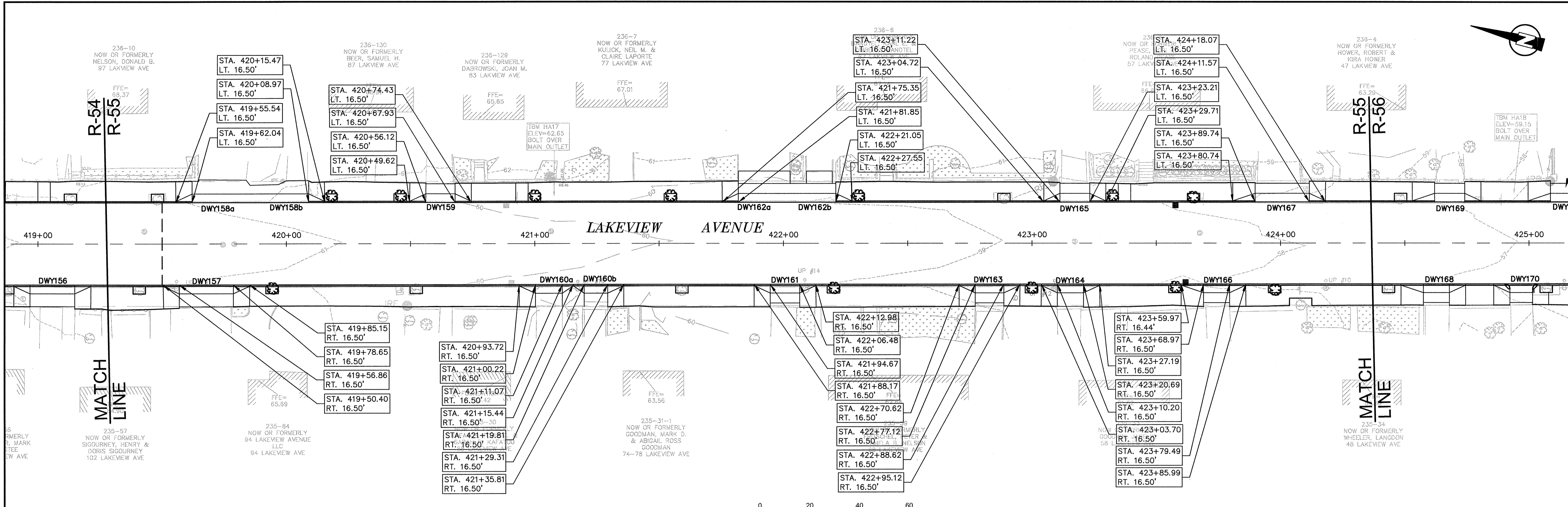
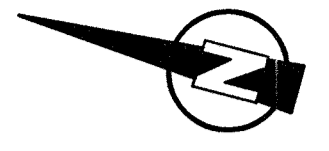
MWH
285 SUMMER STREET, SUITE 200
BOSTON, MASSACHUSETTS 02210
TEL: (617) 314-7100



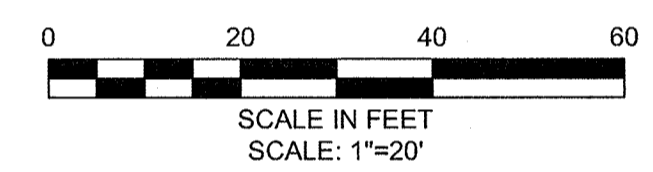
Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJUL		
Drawn by	TALJUL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



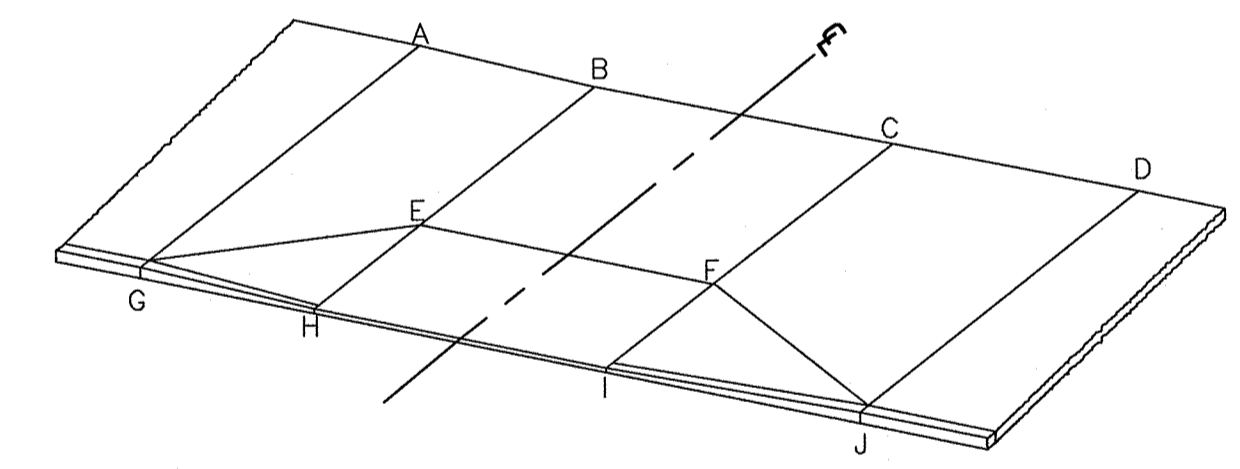
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-54
Project	HURON A SEWER SEPARATION PROJECT	File No.	
Contract No.	8A		
Drawing	ROADWAY - LAKEVIEW AVENUE Curb Tie Plan STA 414+25 to 419+50		



LAKEVIEW AVENUE DRIVEWAY SCHEDULE



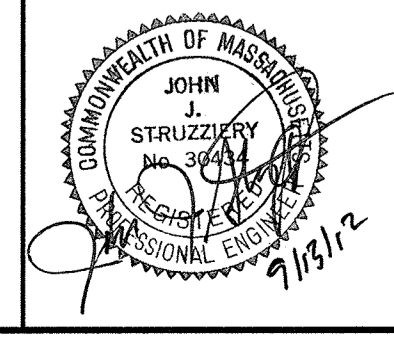
Dwy #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	J	K
157	419+67.76	16.50	3.50	3.50	5.28	5.83	21.79	6.50	6.46	61.23	61.28	61.44	61.49	61.20	61.36	60.67	60.72	60.88	60.93
158	419+85.51	16.50	4.56	4.70	4.00	4.00	46.93	6.50	6.50	61.49	61.44	61.10	61.05	61.37	61.03	60.90	60.85	60.51	60.46
159	420+62.13	16.50	3.84	3.73	4.00	4.00	11.81	6.50	6.50	60.64	60.59	60.51	60.46	60.52	60.44	60.21	60.16	60.08	60.03
160A	421+05.65	16.50	3.50	3.50	5.29	5.45	14.85	6.50	6.50	59.47	59.43	59.51	59.56	59.36	59.44	59.04	59.07	59.15	59.20
160B	421+24.56	16.50	3.50	3.50	5.45	5.38	13.50	6.50	6.50	60.02	60.06	60.13	60.16	59.98	60.05	59.59	59.63	59.70	59.73
161	422+00.58	16.50	3.50	3.50	5.73	5.57	11.81	6.50	6.50	59.39	59.43	59.52	59.57	59.36	59.45	59.03	59.07	59.16	59.21
162	422+01.45	16.50	5.23	5.07	4.00	4.00	39.20	6.50	6.50	60.02	59.97	59.69	59.64	59.91	59.63	59.30	59.25	58.97	58.92
163	422+82.87	16.50	3.50	3.50	5.28	5.39	11.50	6.50	6.50	58.84	58.89	58.97	59.02	58.81	58.89	58.42	58.47	58.55	58.60
164	423+15.45	16.50	3.50	3.50	5.83	5.50	10.49	6.50	6.50	58.63	58.68	58.76	58.81	58.60	58.68	58.19	58.24	58.32	58.37
165	423+17.22	16.50	3.82	3.67	4.00	4.00	11.98	6.50	6.50	58.95	58.90	58.81	58.77	58.83	58.74	58.36	58.31	58.22	58.18
166	423+74.23	16.50	3.50	3.50	5.53	5.61	10.53	6.50	6.50	58.29	58.34	58.42	58.48	58.27	58.35	57.76	57.81	57.89	57.95
167	424+00.65	16.50	3.50	3.50	4.28	4.83	21.82	9.00	6.50	58.40	58.33	58.17	58.12	58.26	58.10	57.81	57.74	57.58	57.53



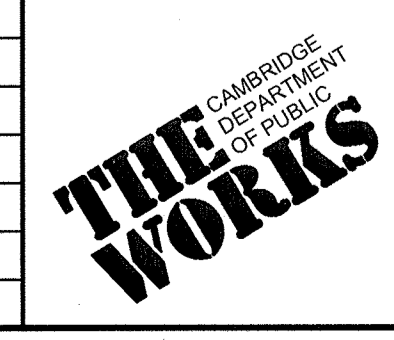
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SCALE: N.T.S.

CONFORMED SET

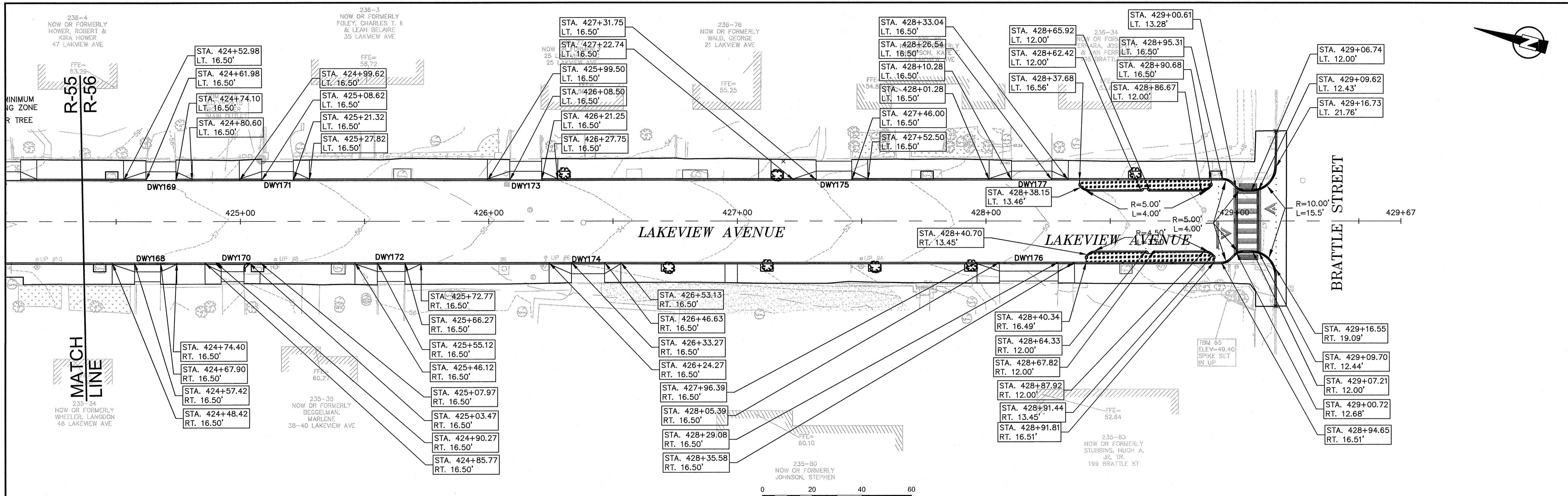
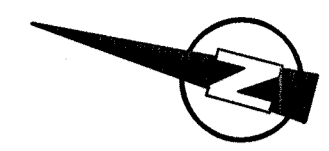
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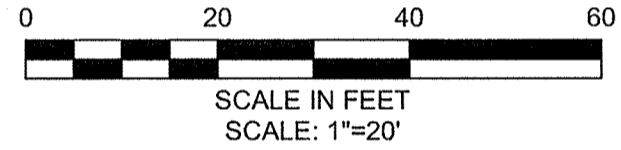
Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-01-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



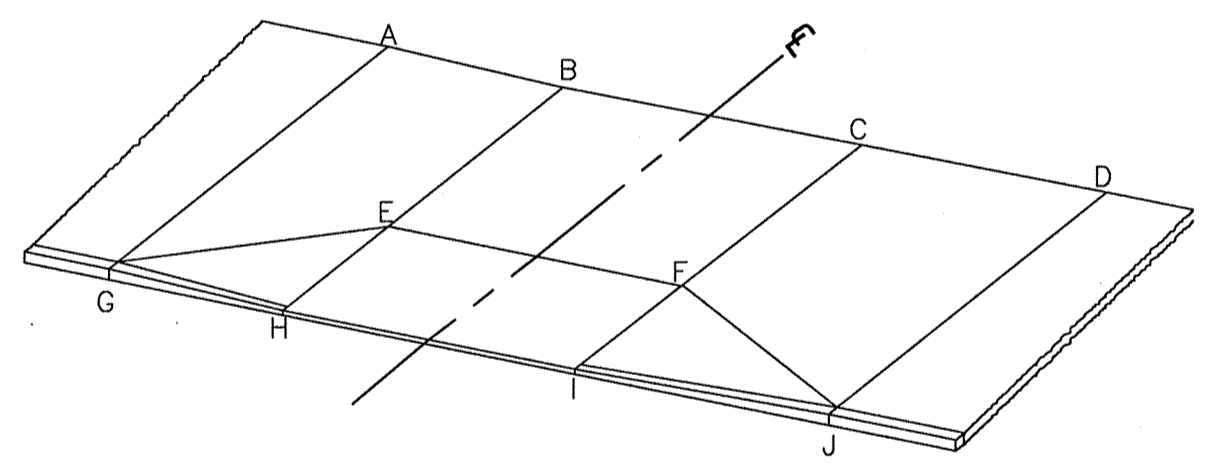
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-55
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - LAKEVIEW AVENUE Curb Tie Plan STA 419+50 to 424+75		



LAKEVIEW AVENUE DRIVEWAY SCHEDULE



DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	J	K
168	424+62.66	16.50	3.50	3.50	5.06	5.05	10.49	6.50	9.00	57.28	57.41	57.55	57.61	57.33	57.47	56.84	56.97	57.11	57.17
169	424+68.04	16.50	3.50	3.50	4.47	4.74	12.12	9.00	6.50	57.50	57.46	57.27	57.15	57.35	57.19	57.11	57.04	56.88	56.76
170	424+97.87	16.50	3.50	3.50	4.81	5.03	11.19	N/A	6.50	56.88	57.00	57.18	57.30	56.93	57.11	56.36	N/A	N/A	56.78
171	425+14.97	16.50	3.50	3.50	5.00	4.65	12.70	9.00	6.50	56.87	56.70	56.46	56.33	56.63	56.39	56.54	56.37	56.13	56.00
172	425+60.70	16.50	3.50	3.50	5.18	5.41	11.14	6.50	9.00	55.60	55.72	55.94	56.11	55.64	55.86	55.14	55.26	55.48	55.65
173	426+14.87	16.50	3.50	3.50	4.78	5.18	12.75	6.50	9.00	55.02	54.84	54.60	54.47	54.77	54.53	54.64	54.46	54.22	54.09
174	426+39.95	16.50	4.10	4.11	4.00	4.00	13.35	6.50	9.00	54.33	54.45	54.71	54.88	54.39	54.65	53.61	53.73	53.99	54.16
175	427+38.87	16.50	3.50	3.50	4.57	4.68	14.25	9.01	6.50	52.69	52.52	52.24	52.12	52.44	52.16	52.17	52.00	51.72	51.60
176	428+17.23	16.50	4.31	4.29	4.00	4.00	23.69	6.50	9.00	49.61	49.81	50.55	50.83	49.74	50.48	49.10	49.30	50.04	50.32
177	428+18.41	16.50	3.83	3.95	4.00	4.00	16.26	9.00	6.50	50.75	50.48	49.97	49.77	50.41	49.90	50.16	49.89	49.38	49.18



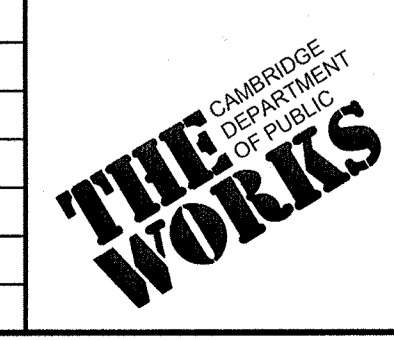
TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

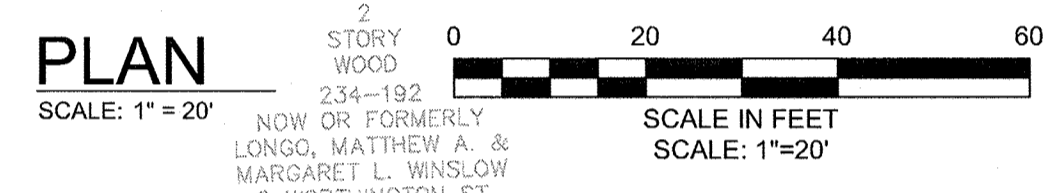
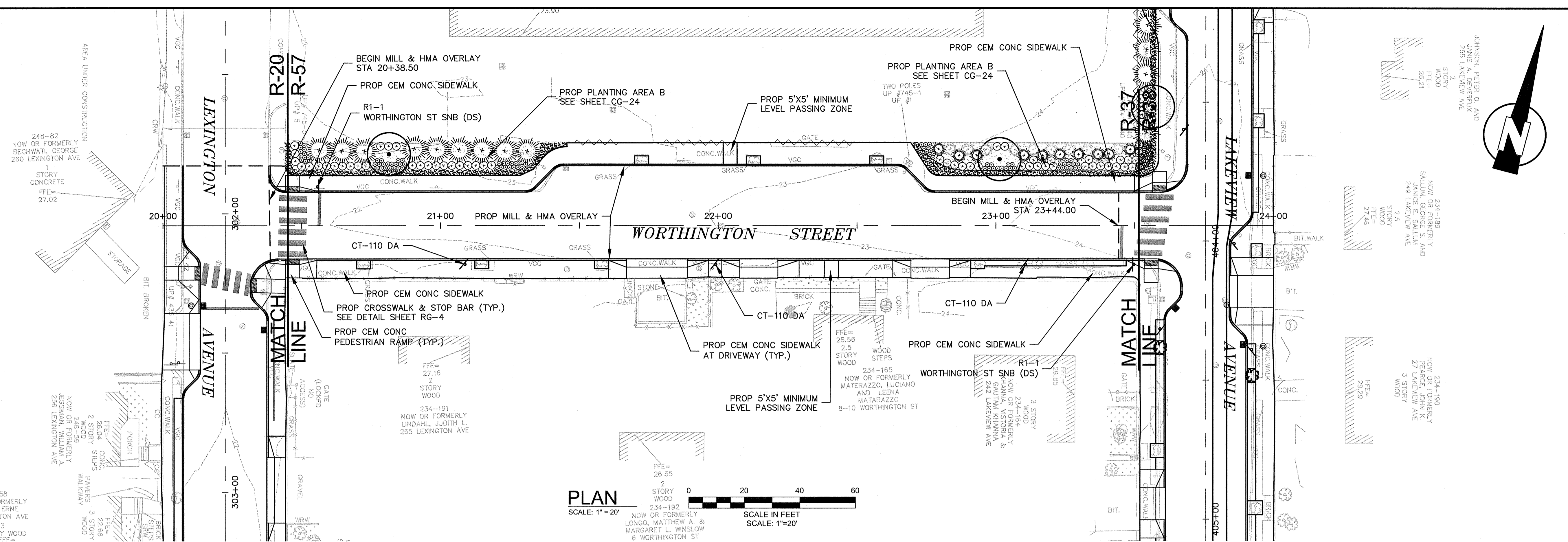
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		Date



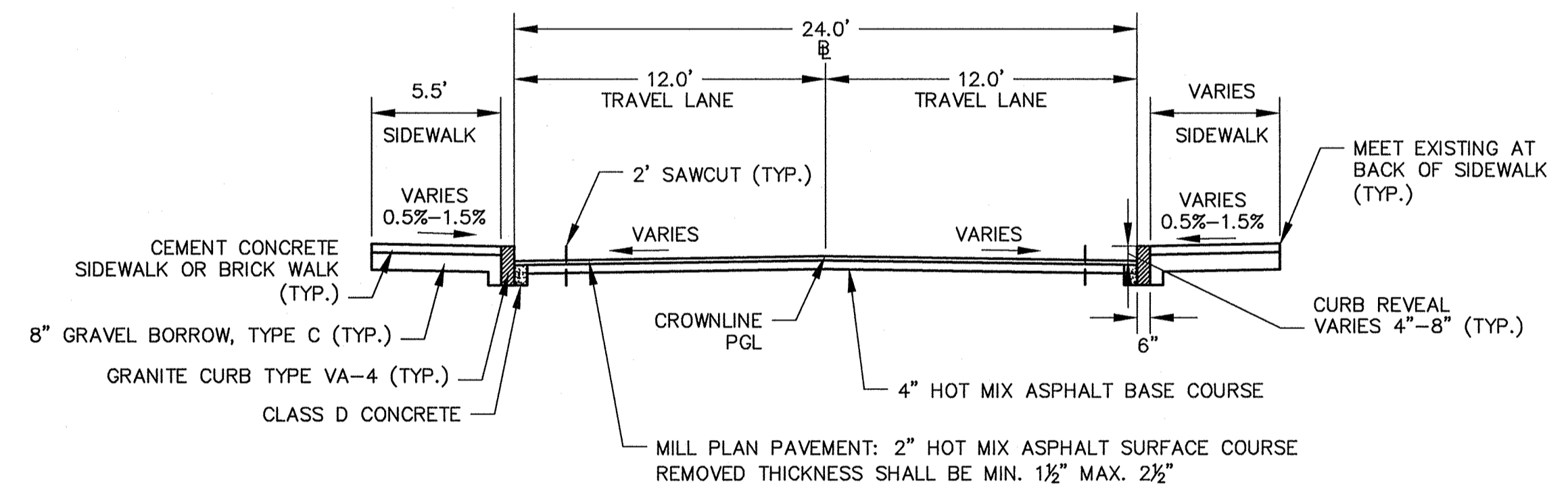
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - LAKEVIEW AVENUE Curb Tie Plan STA 424+75 to 429+50

Sheet	R-56
File No.	



PEDESTRIAN NOTES:

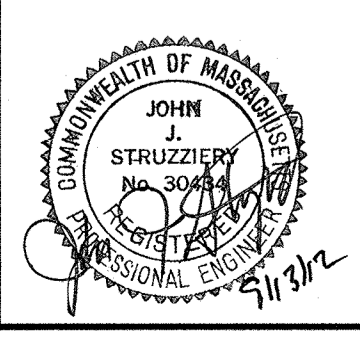
1. WORK IN WORTHINGTON STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK, COLD PLANE, AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. EXISTING TREE PITS THAT ARE LESS THAN 5 FEET IN LENGTH (PARALLEL TO CURB) SHALL BE ADJUSTED TO A MINIMUM LENGTH OF 5'-0".
6. PROPOSED TREE TYPE CODING AND LOCATIONS HAVE BEEN IDENTIFIED ON THE ROADWAY CONSTRUCTION SHEETS. REFER TO SHEET CG-30 FOR PLANTING LIST.
7. EXISTING FEATURES AT BACK OF SIDEWALK SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. DAMAGES OR DISLODGING OF FEATURES AT BACK OF SIDEWALK SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL MATCH THE EXISTING GRADE AT THE LIMIT OF PROPOSED COLD PLANE AND OVERLAY. THE JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE TREATED WITH INFRARED PAVEMENT SEALANT AND HOT POURED RUBBERIZED ASPHALT SEALER.
9. ALL EXISTING TREES AND SHRUBS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
10. ALL EXISTING SIGNS AND POSTS SHALL BE REMOVED AND STACKED.
11. ALL PROPOSED SIGNS SHALL BE LOCATED A LATERAL CLEARANCE OF 1' FROM CURB.
12. PASSING ZONES HAVE BEEN LOCATED APPROXIMATELY EVERY 200' WITHIN ACCESSIBLE ROUTES. PASSING ZONES SHALL BE A MINIMUM SIZE OF 5'X5' AND HAVE A MAXIMUM SLOPE OF 1.5% IN ALL DIRECTIONS. FOR ACCESSIBLE ROUTES, REFER TO CONSTRUCTION DRAWINGS. LOCATIONS WHERE NO ACCESSIBLE ROUTE IS INDICATED, BOTH SIDEWALKS SHALL BE ACCESSIBLE.



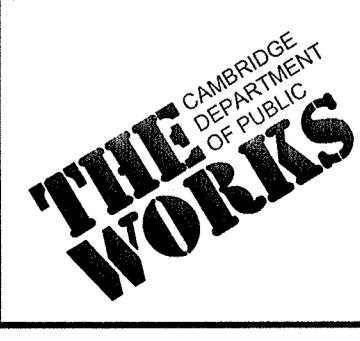
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BOSTON, MASSACHUSETTS 02210
TEL: (617) 314-7100



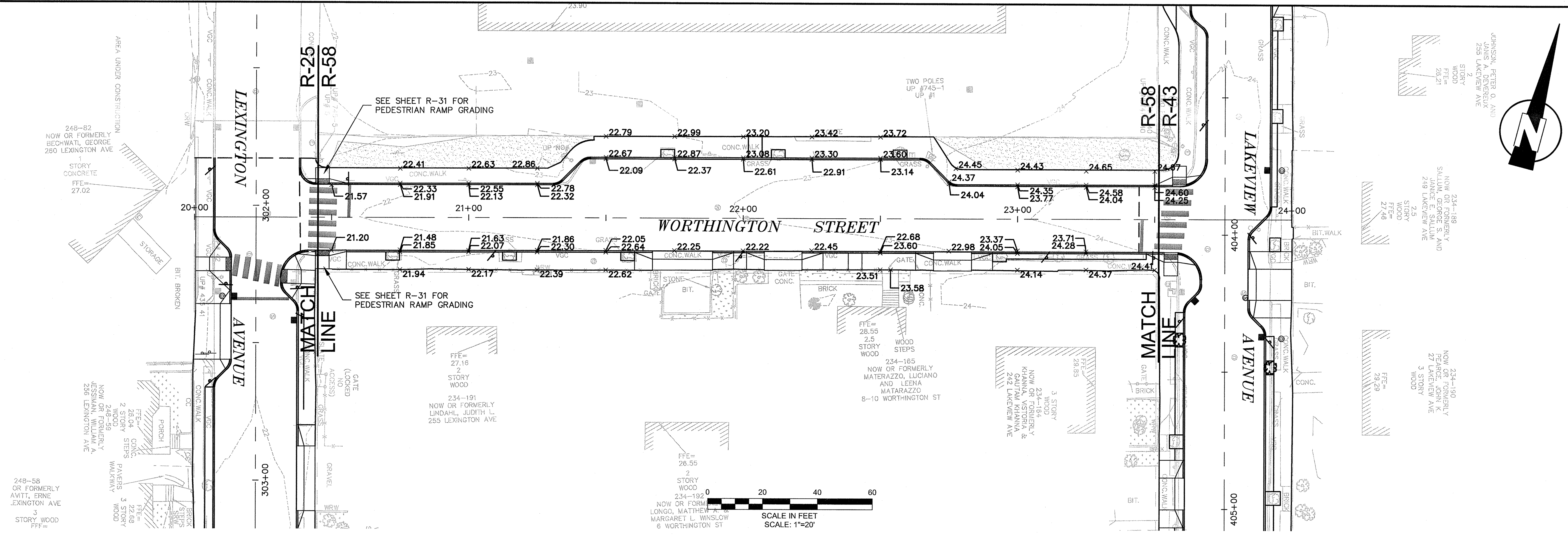
Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	20110101-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-57
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - WORTHINGTON STREET Construction Plan STA 20+00 TO 24+00		

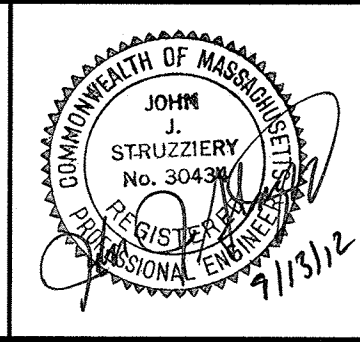
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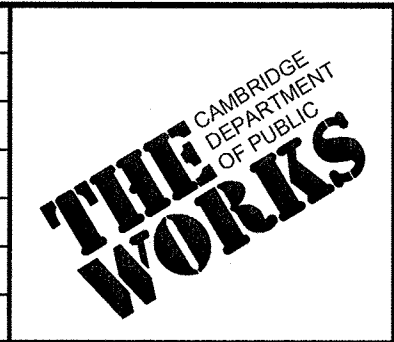


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TEL: (617) 314-7100

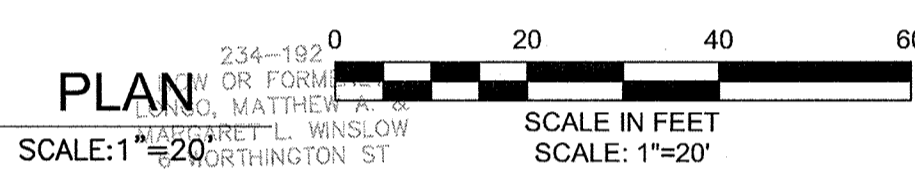
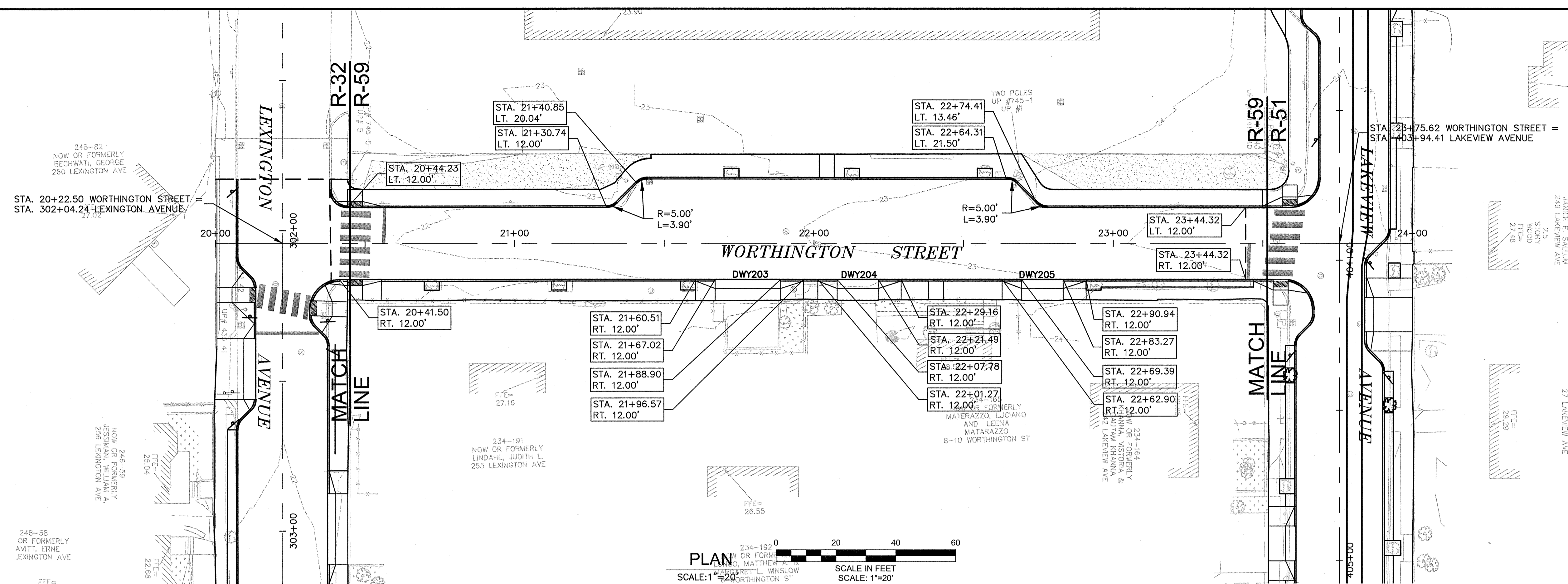
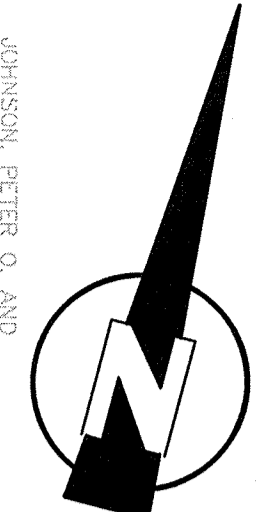


Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	2011010.01-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



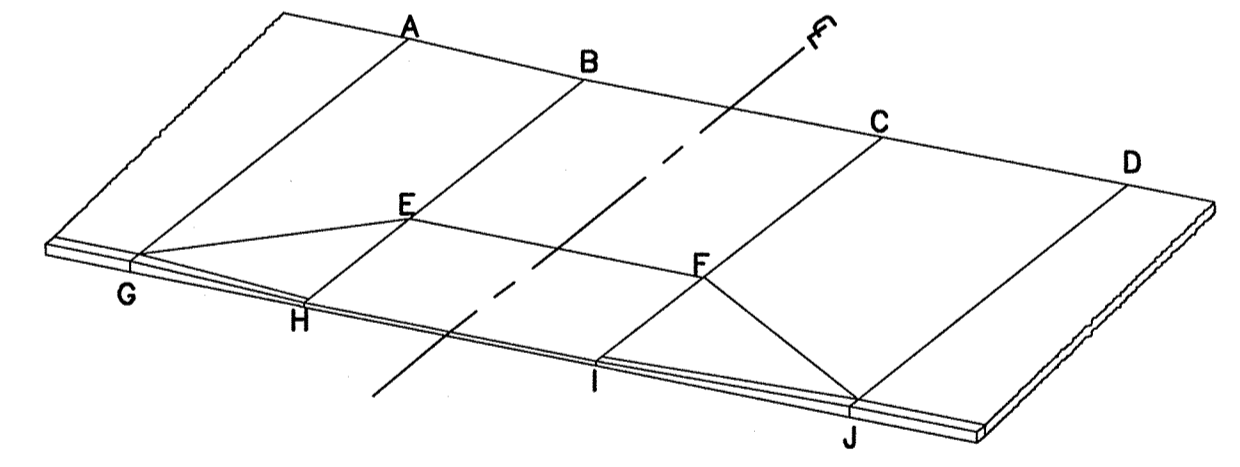
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - WORTHINGTON STREET Grading Plan STA 20+00 to 24+00

Sheet	R-58
File No.	



WORTHINGTON ST DRIVEWAY SCHEDULE

DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
203	21+77.96	12.00	3.00	3.00	4.00	4.00	21.88	6.50	7.67	23.21	22.97	22.74	22.85	22.91	22.68	22.62	22.55	22.34	22.26
204	22+14.63	12.00	3.00	3.00	4.00	4.00	13.71	6.50	7.67	23.50	23.19	23.15	23.25	23.13	23.09	22.91	22.85	22.72	22.66
205	22+76.33	12.00	3.00	3.00	4.00	4.00	13.87	6.50	7.67	24.06	23.91	23.75	23.72	23.85	23.69	23.47	23.40	23.24	23.13

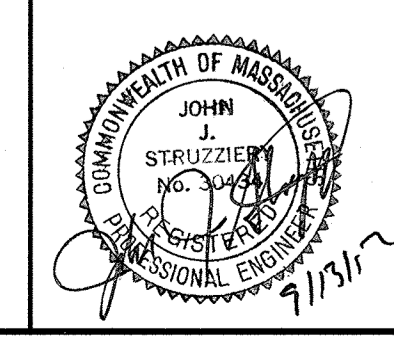


TYPICAL DRIVEWAY LEGEND

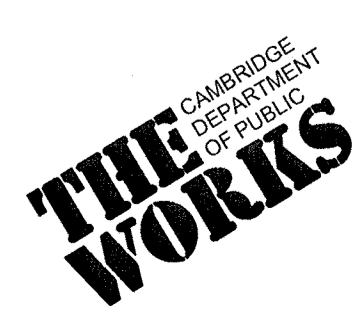
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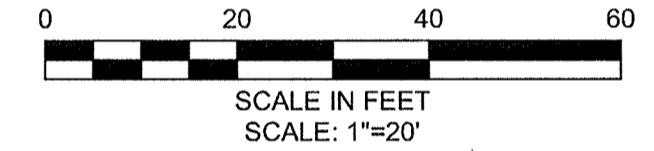
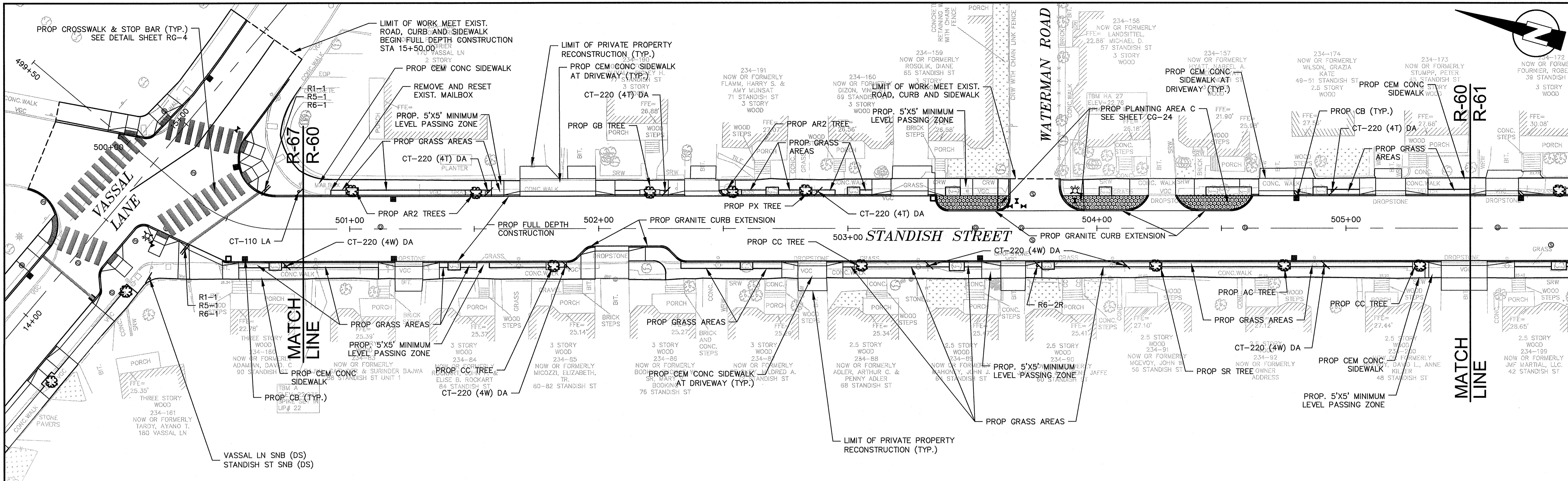
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

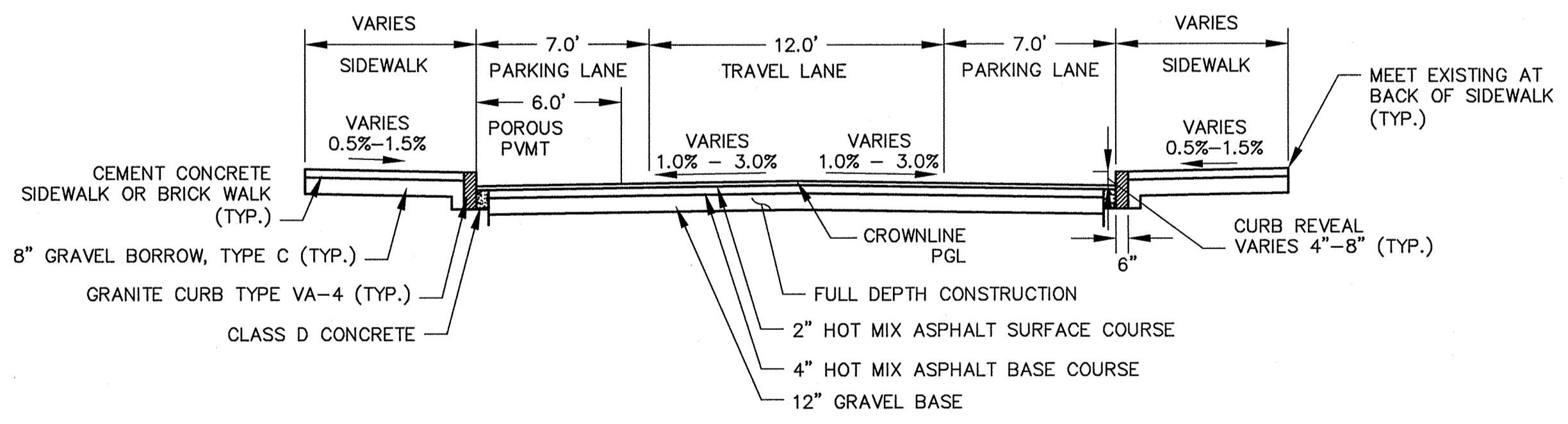


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-59
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - WORTHINGTON STREET Curb Tie Plan STA 20+00 to 24+00		



PEDESTRIAN NOTES:

1. WORK IN STANDISH STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK, COLD PLANE, AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 15SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK SHALL BE MAINTAINED UNLESS SHOWN OTHERWISE. EXISTING TREE PITS THAT ARE LESS THAN 5 FEET IN LENGTH (PARALLEL TO CURB) SHALL BE ADJUSTED TO A MINIMUM LENGTH OF 5'-0".
6. PROPOSED TREE TYPE CODING AND LOCATIONS HAVE BEEN IDENTIFIED ON THE ROADWAY CONSTRUCTION SHEETS. REFER TO SHEET CG-30 FOR PLANTING LIST.
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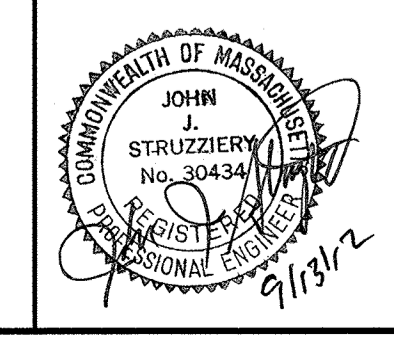
TYPICAL SECTION
 STANDISH STREET
 STA 500+00 TO 501+00
 SCALE: N.T.S.

CONFORMED SET

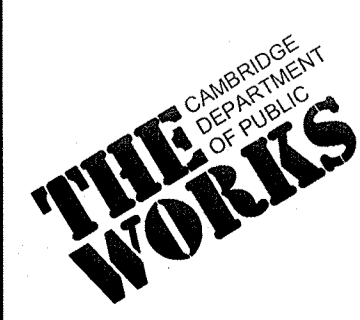
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 CAMBRIDGE, MASSACHUSETTS

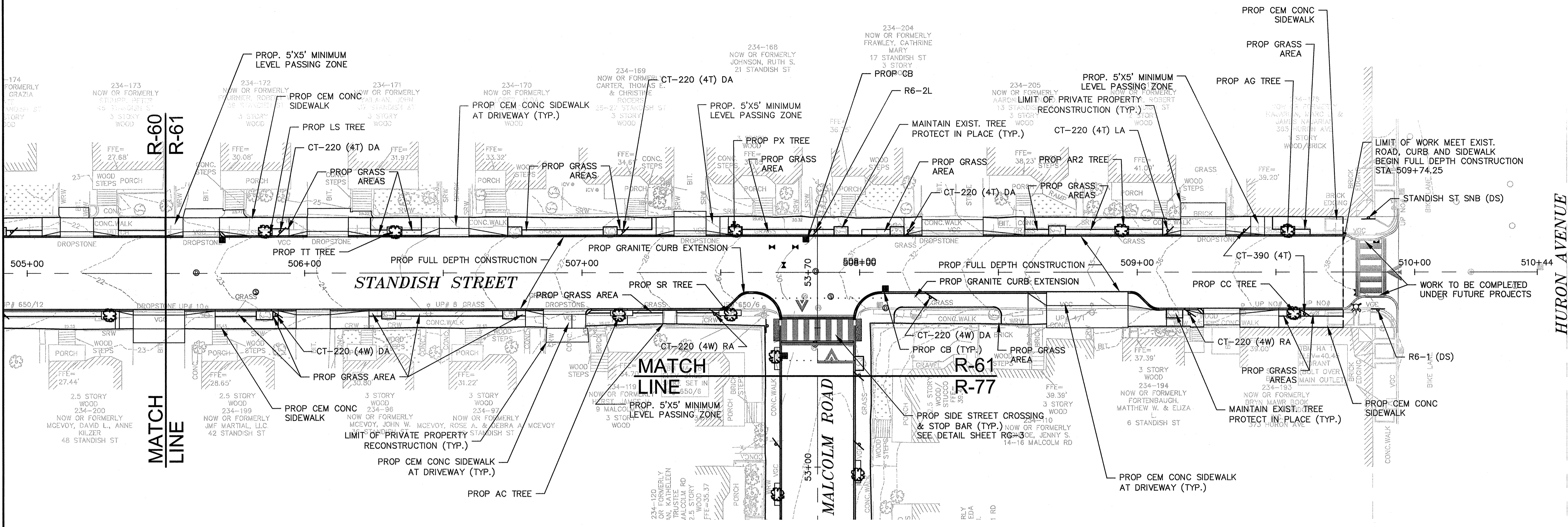
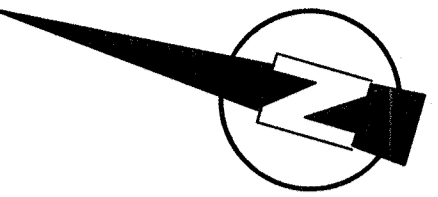
MWH
 285 SUMMER STREET, SUITE 200
 BOSTON, MASSACHUSETTS 02210
 TEL: (617) 314-7100



Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJL		
Drawn by	TALJL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

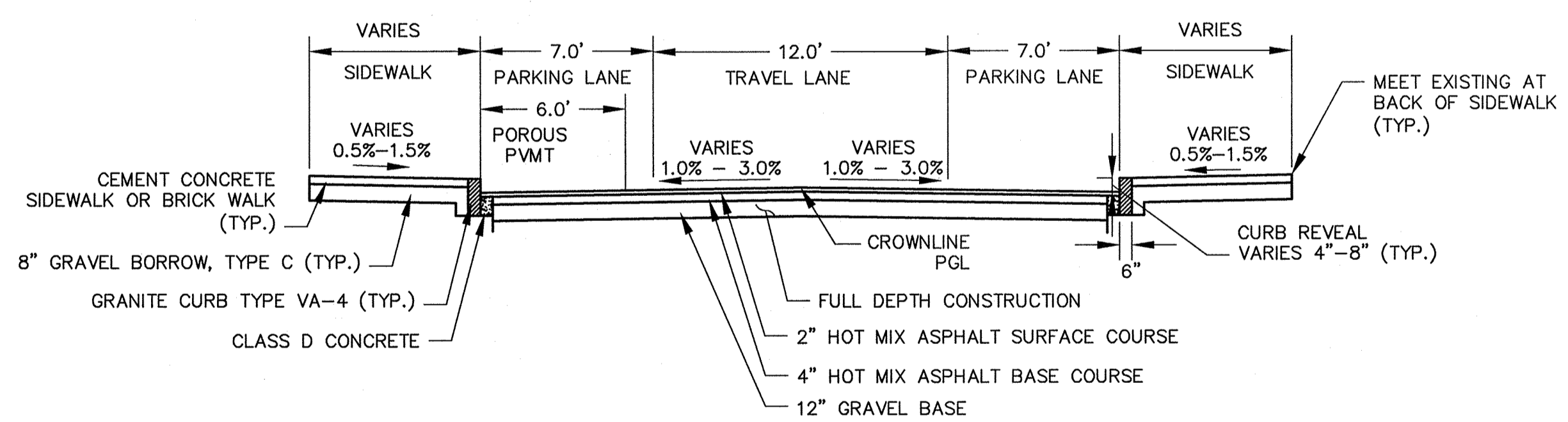


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-60
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - STANDISH STREET Construction Plan STA 500+00 TO 505+50		



PEDESTRIAN NOTES:

1. WORK IN STANDISH STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
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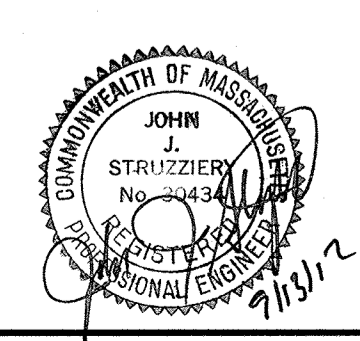


TYPICAL SECTION

STANDISH STREET
STA 500+00 TO 510+00
SCALE: N.T.S.

CONFORMED SET

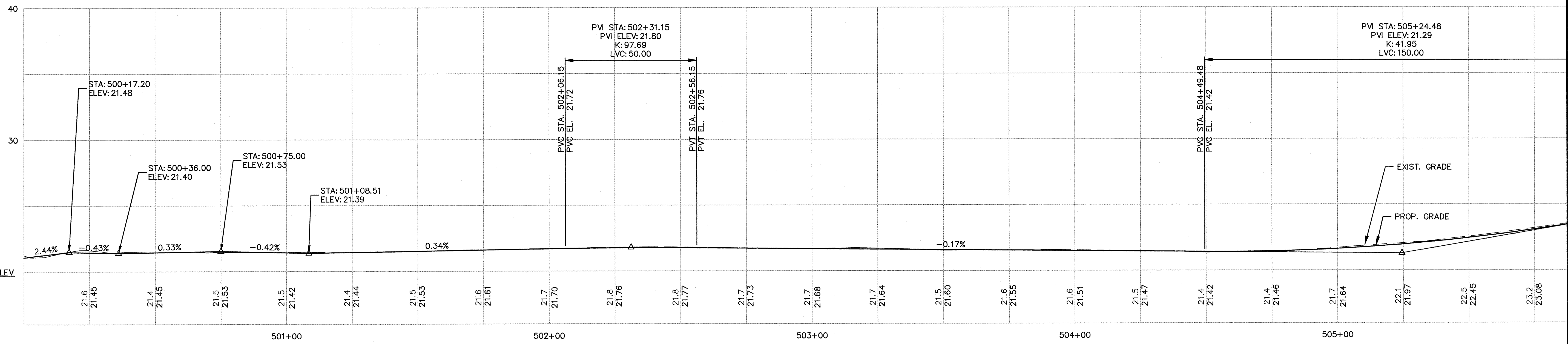
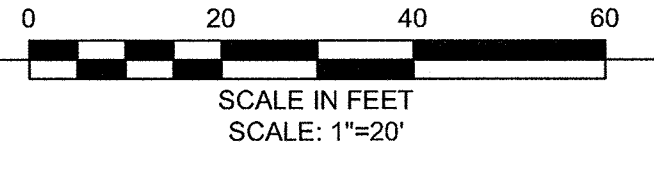
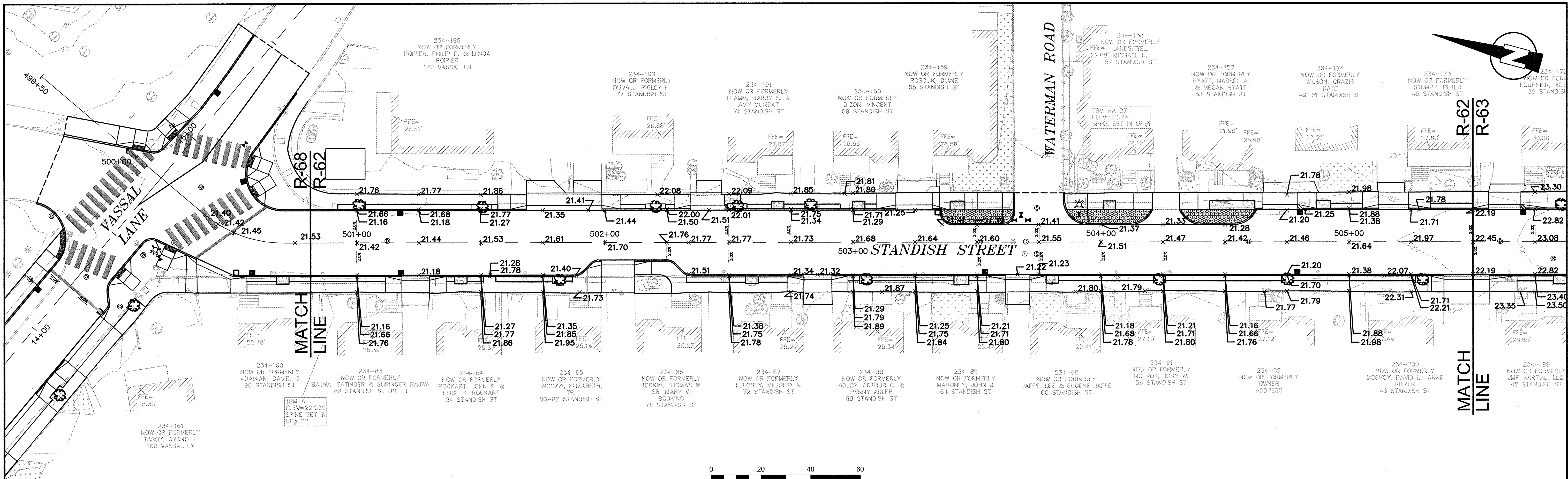
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-01-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-61
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - STANDISH STREET Construction Plan STA 505+50 TO 510+00		



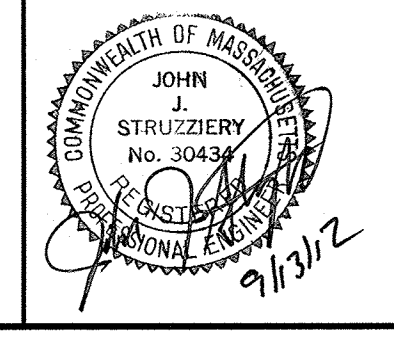
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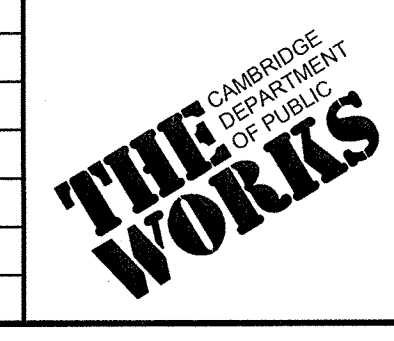
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 CAMBRIDGE, MASSACHUSETTS

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 TEL:(617)314-7100

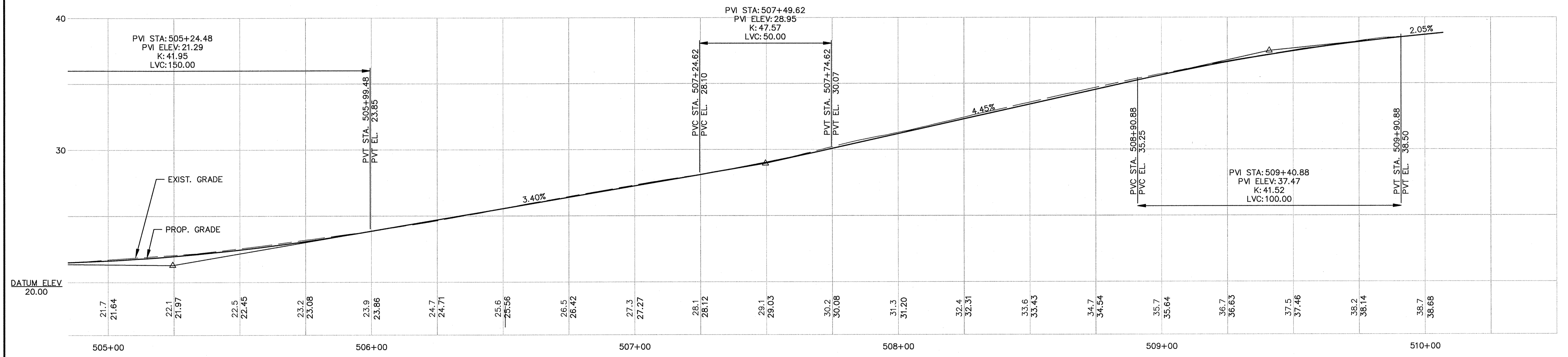
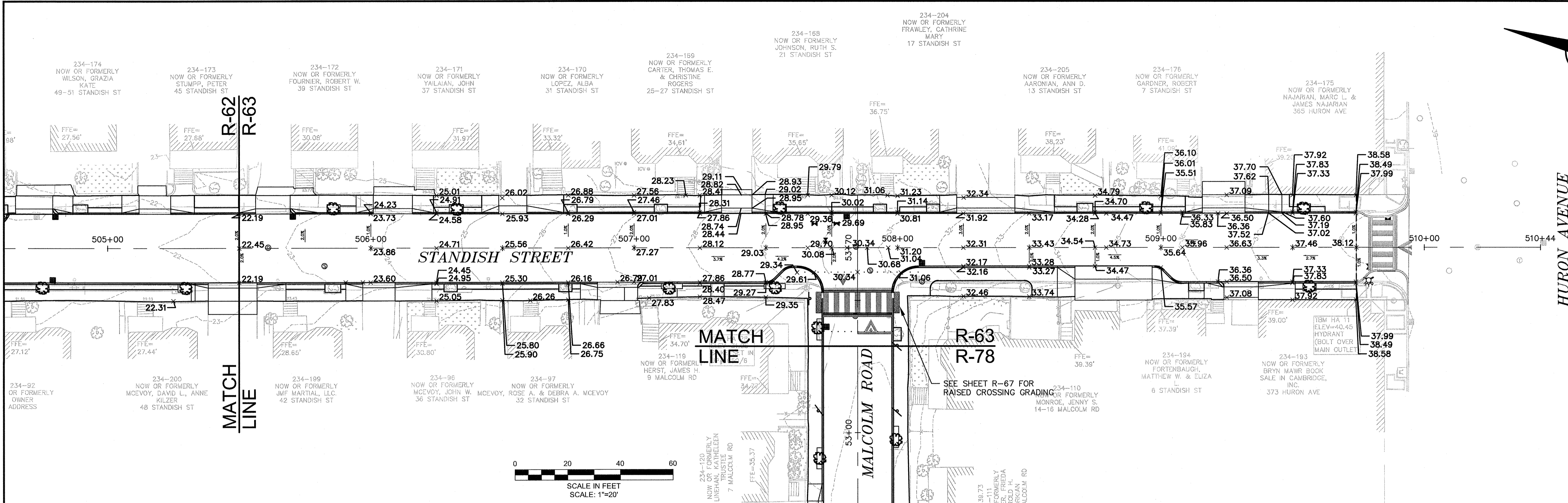
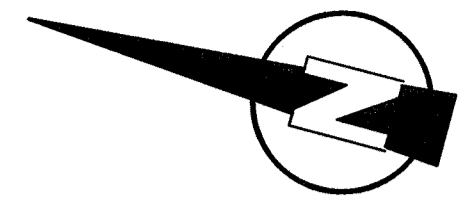


Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - STANDISH STREET Grading Plan STA 500+00 TO 505+50

Sheet	R-62
File No.	



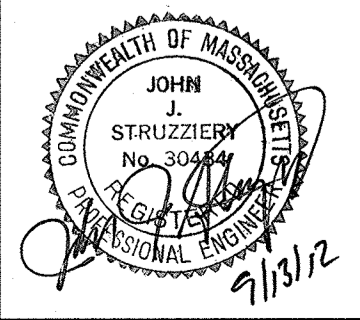
PROFILE
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 VERTICAL SCALE: 1"=4'

CONFIRMED SET

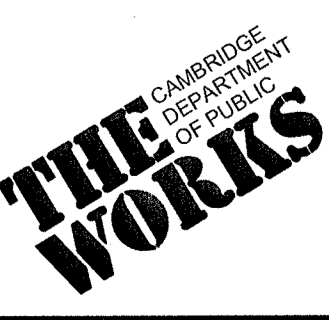
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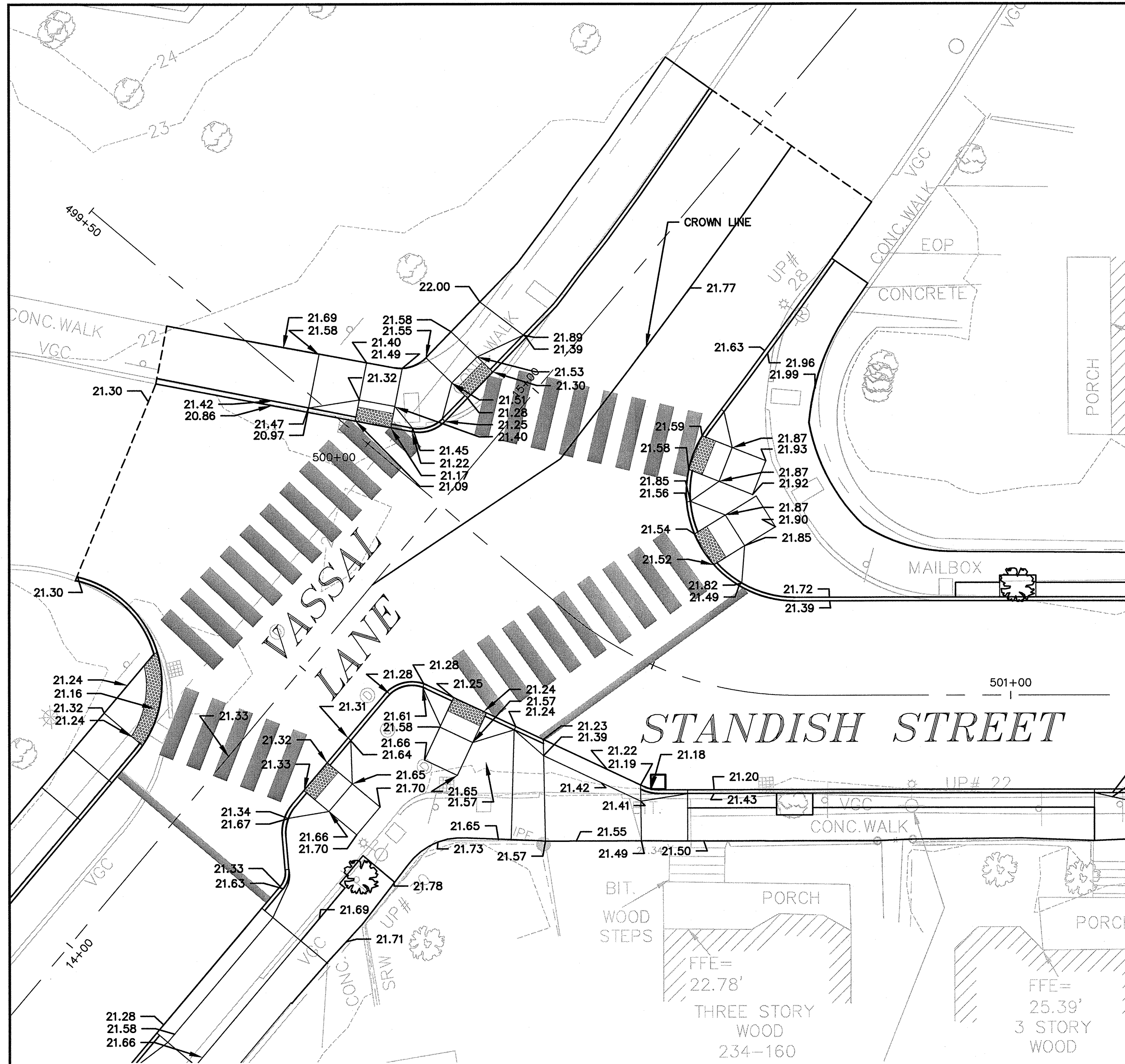


Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJL		
Drawn by	TALJL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		Date

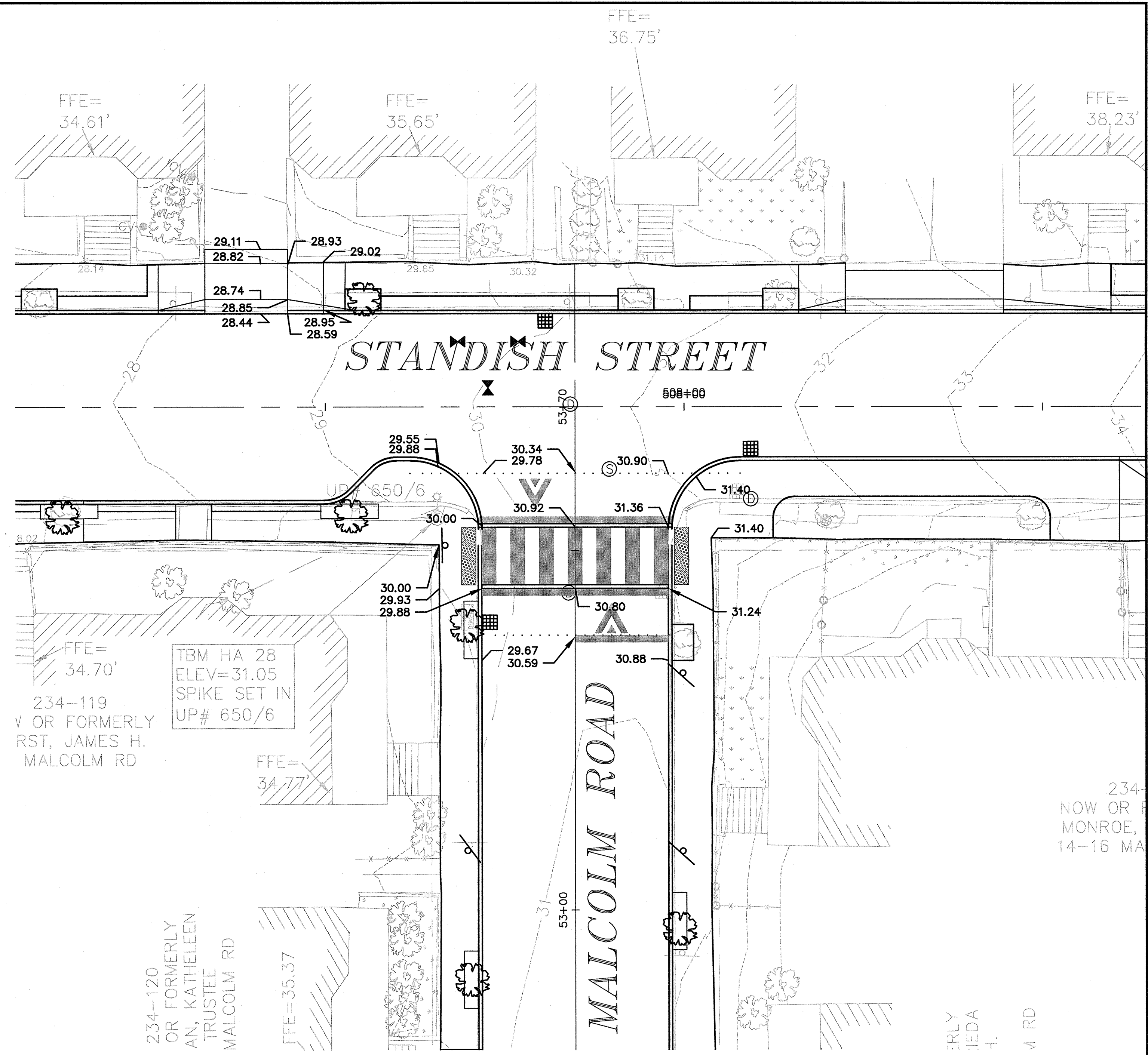


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - STANDISH STREET Grading Plan STA 505+50 TO 510+00

Sheet	R-63
File No.	

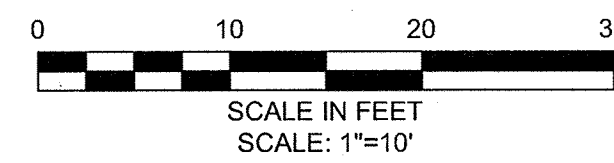


INTERSECTION OF
STANDISH STREET AND VASSAL LANE



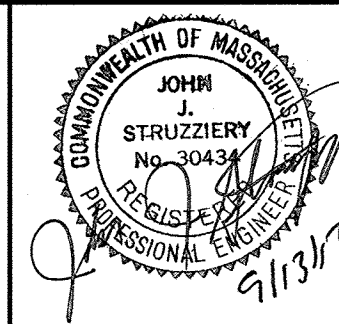
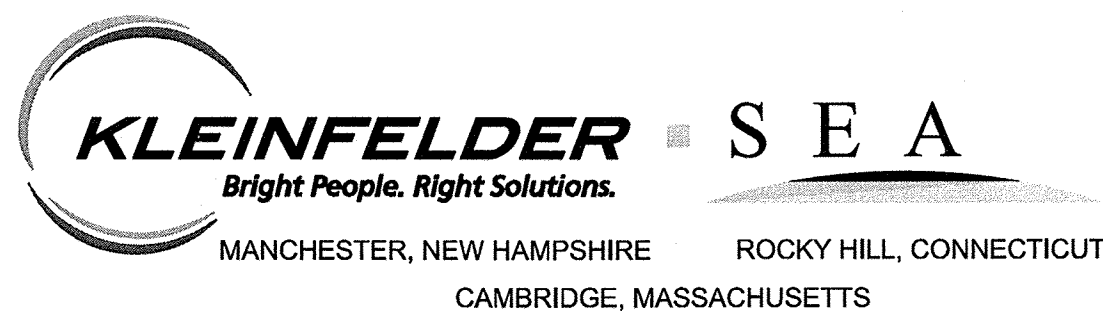
INTERSECTION OF
STANDISH STREET AND MALCOLM ROAD

- LEGEND:**
- PROPOSED CATCH BASIN
 - PROPOSED MANHOLE
 - ⊗ PROPOSED WATER VALVE
 - ⊗ PROPOSED FIRE HYDRANT
 - (T) TOP OF CURB
 - (B) BOTTOM OF CURB
 - 12.34 PROPOSED SPOT GRADE
 - (12.34) EXISTING SPOT GRADE

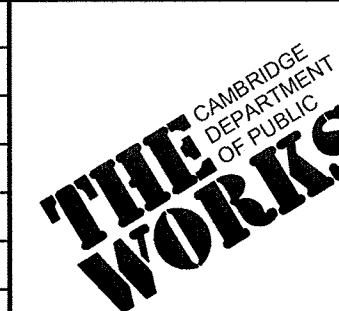


* ALL ROADWAY CROSS SLOPE ARE 2.00% TO CURB LINE UNLESS OTHERWISE NOTED

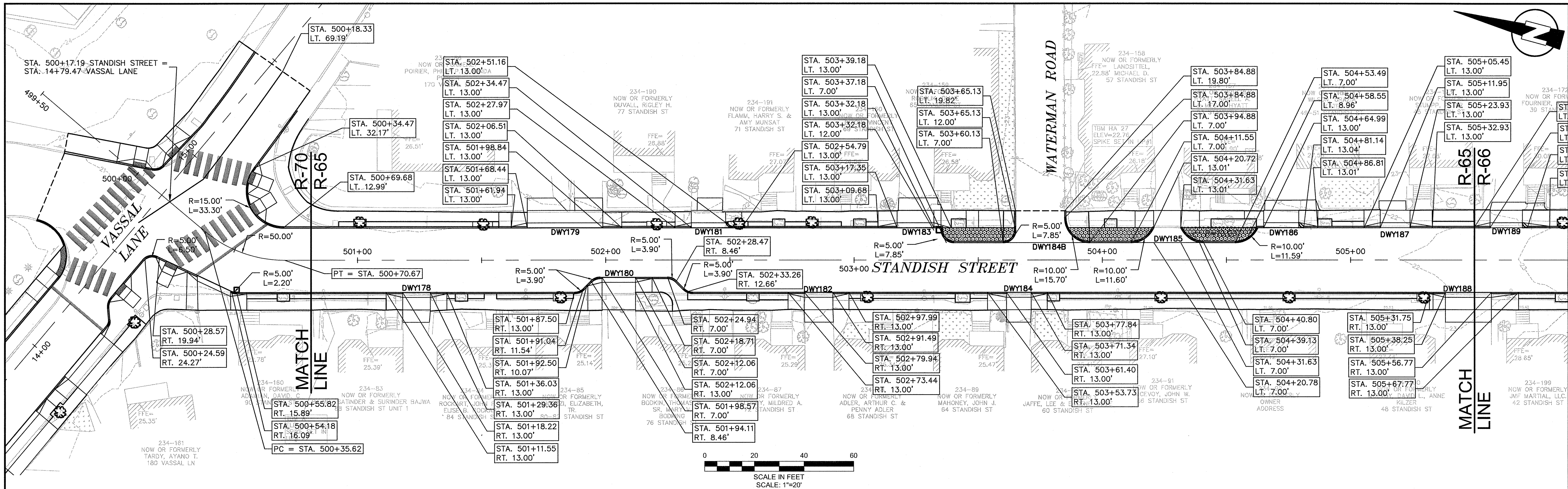
CONFORMED SET



Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

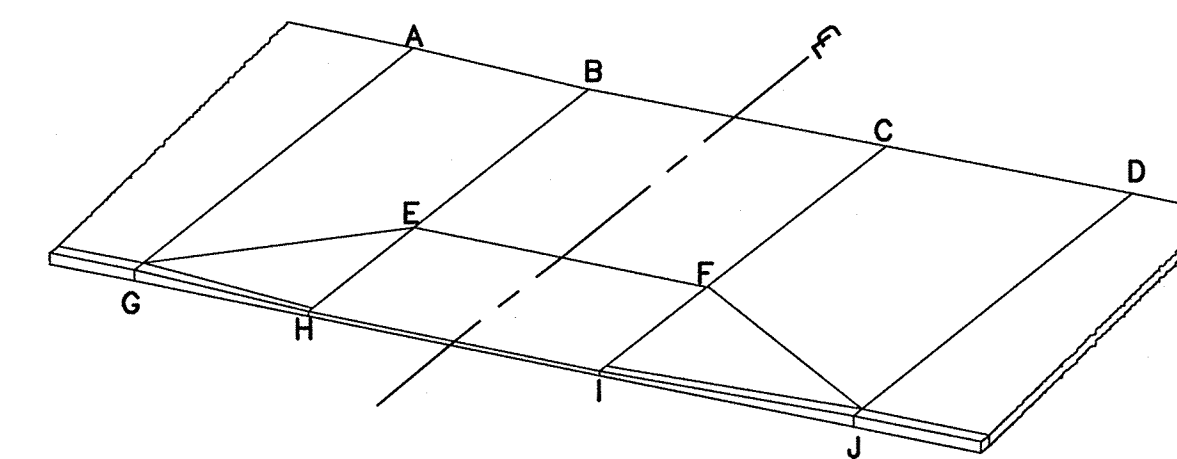


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-64
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - STANDISH STREET Intersection Grading		



STANDISH STREET DRIVEWAY SCHEDULE

DWY #	DRIVEWAY CL REFERENCE POINT		LENGTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
178	501+23.79	13.00	2.00	2.00	5.00	5.00	11.14	6.67	6.67	21.75	21.50	21.51	21.72	21.44	21.43	21.16	21.14	21.13	21.13
179	501+83.64	13.00	2.00	2.00	4.00	4.00	30.39	6.50	7.67	21.82	22.02	21.62	21.76	21.56	21.70	21.23	21.26	21.40	21.43
180	502+05.26	7.00	2.00	2.00	11.00	11.00	13.48	6.65	5.72	21.93	21.96	21.85	21.75	21.90	21.79	21.45	21.43	21.38	21.38
181	502+42.81	13.00	2.00	2.00	4.00	4.00	13.91	6.50	N/A	22.09	21.86	21.87	21.54	21.80	21.81	21.50	21.50	21.51	21.49
182	502+85.72	13.00	2.00	2.00	5.00	5.00	11.55	6.50	6.50	21.89	21.66	21.67	21.93	21.61	21.63	21.30	21.31	21.33	21.34
183	503+24.62	13.00	2.00	2.00	4.00	4.00	14.83	7.67	7.00	21.78	21.62	21.60	21.80	21.56	21.54	21.28	21.26	21.24	21.77
184	503+66.37	13.00	2.00	2.00	5.00	5.00	9.94	6.50	7.67	21.82	21.59	21.58	21.80	21.53	21.52	21.23	21.23	21.22	21.21
184B	503+77.50	7.00	12.80	12.80	N/A	N/A	20.00	5.00	10.00	21.70	21.70	21.74	21.75	N/A	N/A	21.39	21.39	21.43	21.44
185	504+26.72	7.00	6.00	6.00	5.00	5.00	10.91	7.50	7.50	22.15	21.78	21.57	21.68	21.76	21.55	21.34	21.33	21.31	21.29
186	504+72.07	13.00	2.00	2.00	4.00	4.00	14.15	7.67	7.67	21.66	21.54	21.59	21.87	21.48	21.53	21.27	21.18	21.23	21.28
187	505+17.96	13.00	2.00	2.00	4.00	4.00	11.98	6.50	9.00	22.04	21.90	22.06	22.46	21.84	22.00	21.45	21.54	21.70	21.87
188	505+47.51	13.00	2.00	2.00	5.00	5.00	18.52	11.00	6.50	23.23	22.73	22.33	22.43	22.67	22.27	22.64	22.37	21.97	21.84

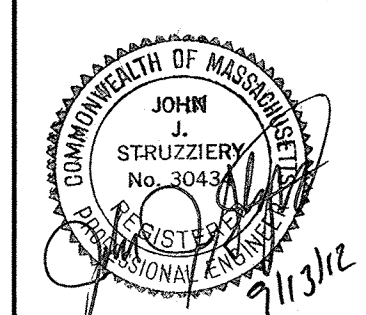
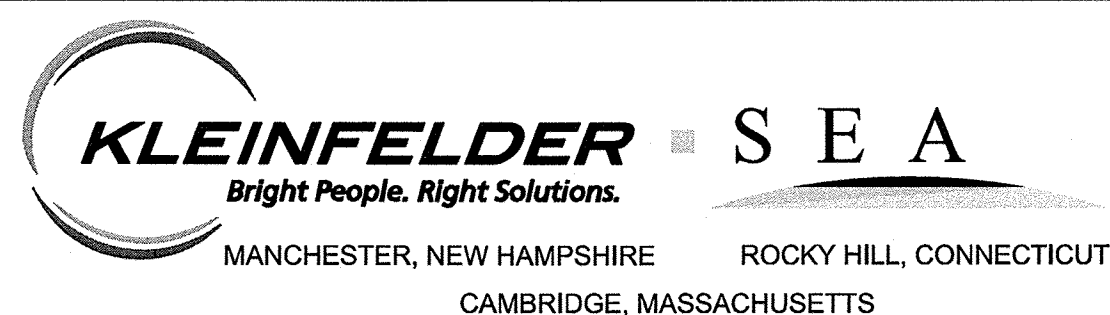


TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

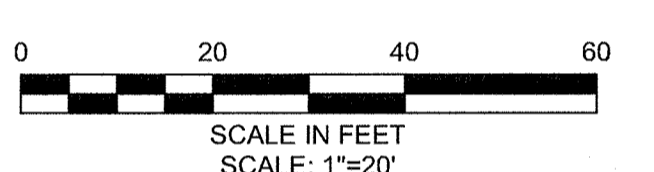
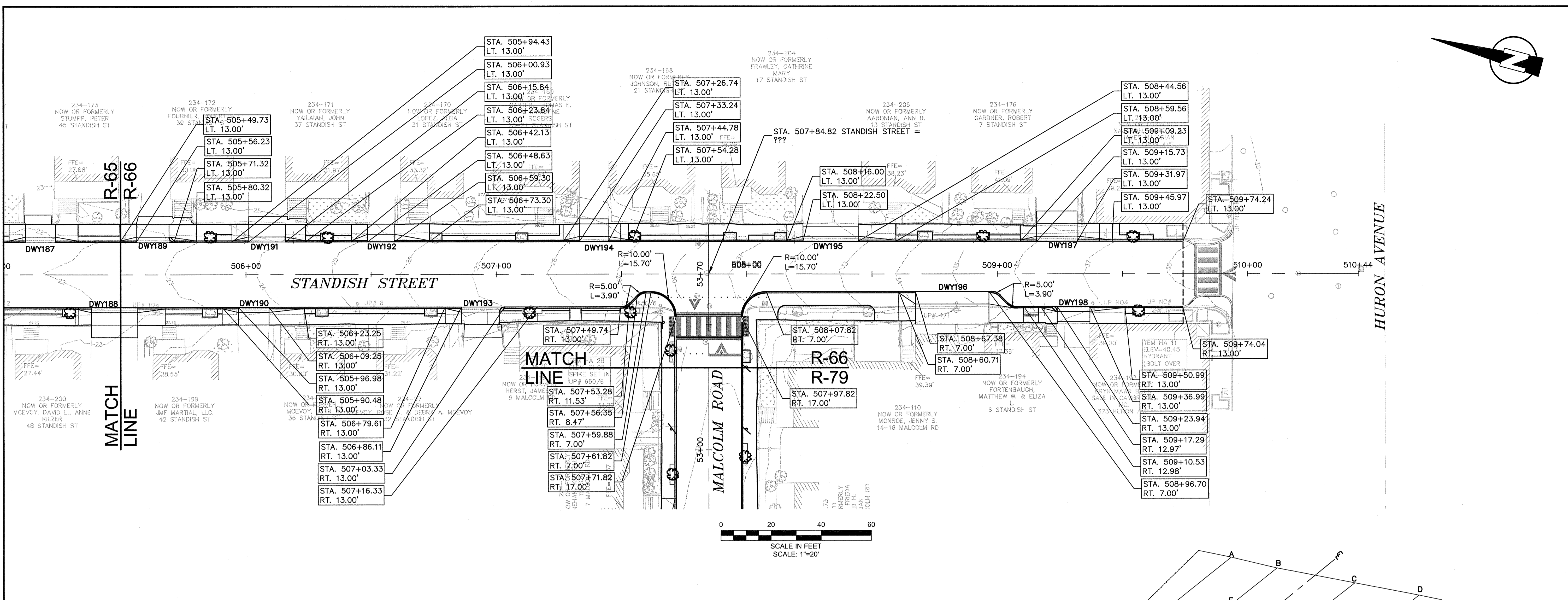
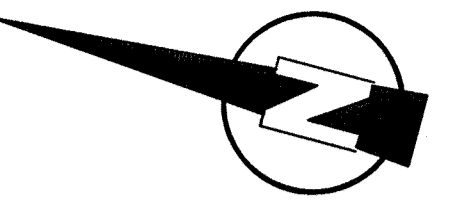
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

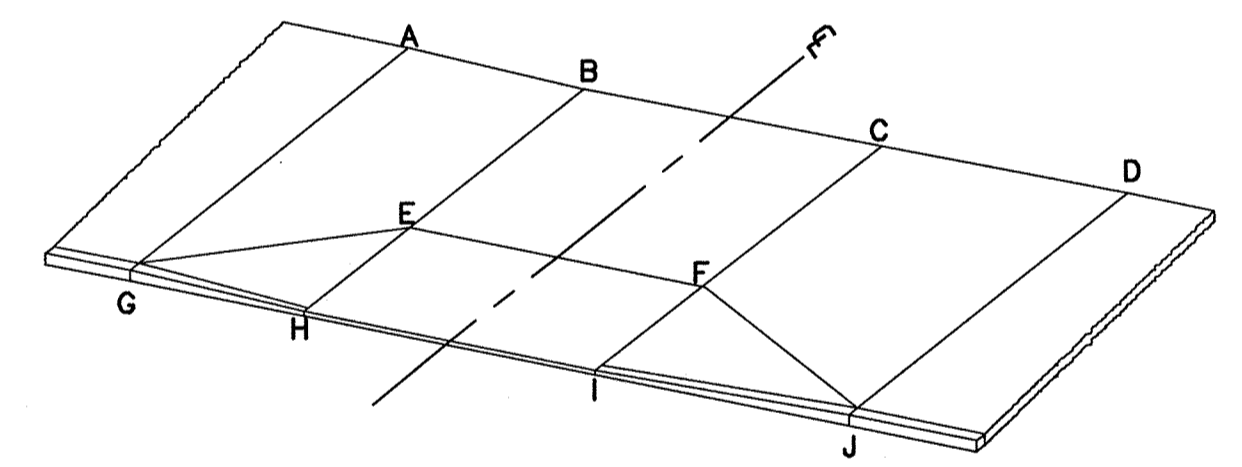


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-65
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - STANDISH STREET Curb Tie Plan STA 500+00 TO 505+50		



STANDISH STREET DRIVEWAY SCHEDULE

DWY #	DRIVEWAY CL REFERENCE POINT		LENGTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
189	505+62.77	13.00	2.00	2.00	4.00	4.00	13.09	6.50	14.00	22.75	22.71	23.04	23.67	22.65	22.98	22.19	22.35	22.68	23.08
190	506+03.11	13.00	2.00	2.00	5.00	5.00	12.26	14.00	6.50	24.98	24.28	23.87	23.90	24.22	23.81	24.39	23.92	23.51	23.31
191	506+08.39	13.00	2.00	2.00	4.00	4.00	14.91	6.50	14.00	24.02	23.99	24.40	25.21	23.93	24.34	23.43	23.63	24.14	24.62
192	506+53.97	13.00	2.00	2.00	4.00	4.00	10.67	6.50	14.00	25.63	25.62	25.98	26.65	25.56	25.92	25.04	25.26	25.62	26.10
193	506+93.72	13.00	2.00	2.00	5.00	5.00	15.22	15.00	6.50	28.15	27.41	26.89	26.90	27.35	26.83	27.56	27.05	26.53	26.31
194	507+42.36	13.00	2.00	2.00	4.00	4.00	18.38	6.50	N/A	28.41	28.46	29.09	29.77	28.40	29.03	27.86	28.10	28.77	29.22
195	508+33.53	13.00	2.00	2.00	4.00	4.00	22.06	6.50	15.00	31.94	32.17	33.25	34.10	32.11	33.19	31.52	31.81	32.89	33.59
196	508+90.46	9.25	2.00	2.00	4.00	4.00	12.48	15.00	6.50	36.60	35.60	35.05	35.16	35.54	34.99	35.84	35.24	34.69	34.40
197	509+26.90	13.00	2.00	2.00	4.00	4.00	15.83	6.50	14.00	36.46	36.19	36.75	36.76	36.43	36.99	35.87	36.13	36.69	37.16
198	509+29.96	13.00	2.00	2.00	4.00	4.00	13.05	14.00	7.50	37.99	37.13	36.65	36.79	37.07	36.59	37.23	36.77	36.29	36.03



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

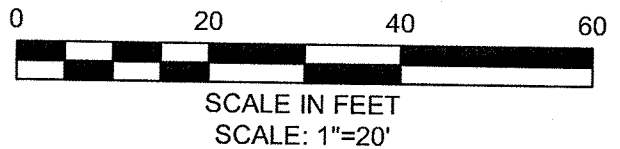
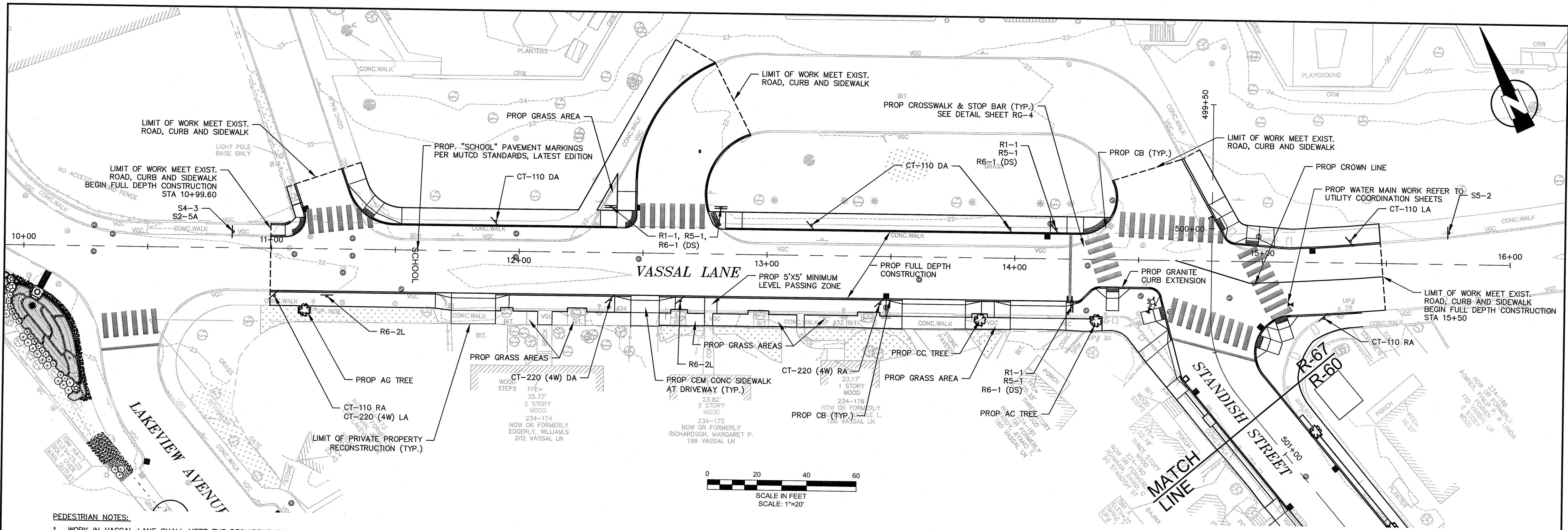
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CONFIRMED SET

Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJUL		
Drawn by	TALJUL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		Date

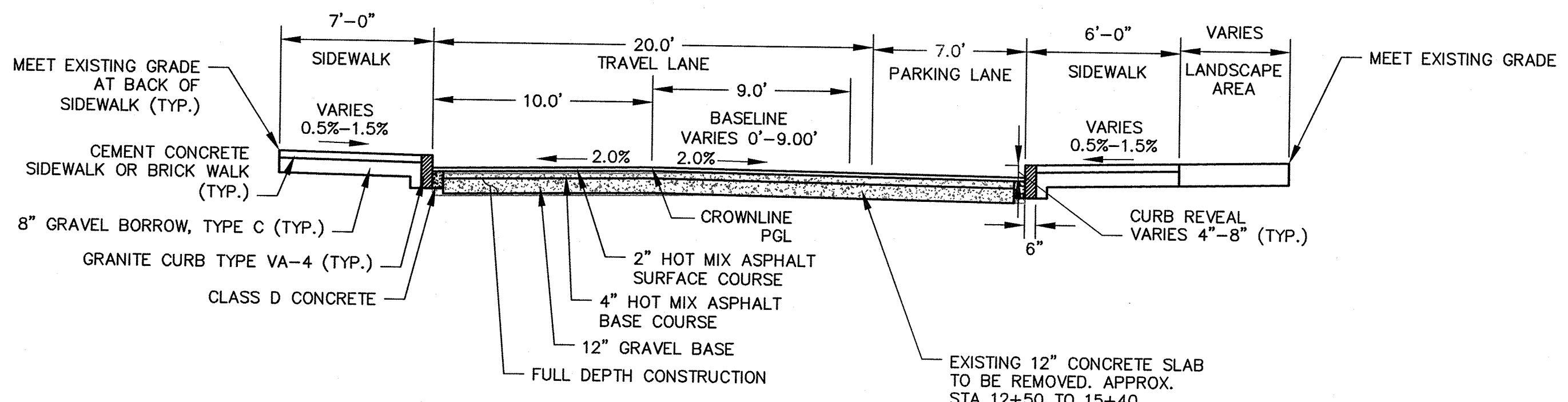
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - STANDISH STREET Curb Tie Plan STA 505+50 TO 510+00

Sheet	R-66
File No.	



PEDESTRIAN NOTES:

1. WORK IN VASSAL LANE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK, COLD PLANE, AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 15SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK SHALL BE MAINTAINED UNLESS SHOWN OTHERWISE. EXISTING TREE PITS THAT ARE LESS THAN 5 FEET IN LENGTH (PARALLEL TO CURB) SHALL BE ADJUSTED TO A MINIMUM LENGTH OF 5'-0".
6. PROPOSED TREE TYPE CODING AND LOCATIONS HAVE BEEN IDENTIFIED ON THE ROADWAY CONSTRUCTION SHEETS. REFER TO SHEET CG-30 FOR PLANTING LIST.
7. EXISTING FEATURES AT BACK OF SIDEWALK SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. DAMAGES OR DISLODGING OF FEATURES AT BACK OF SIDEWALK SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL MATCH THE EXISTING GRADE AT THE LIMIT OF PROPOSED COLD PLANE AND OVERLAY. THE JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE TREATED WITH INFRARED PAVEMENT SEALANT AND HOT POURED RUBBERIZED ASPHALT SEALER.
9. ALL EXISTING TREES AND SHRUBS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
10. ALL EXISTING SIGNS AND POSTS SHALL BE REMOVED AND STACKED.
11. ALL PROPOSED SIGNS SHALL BE LOCATED A LATERAL CLEARANCE OF 1' FROM CURB.
13. PASSING ZONES HAVE BEEN LOCATED APPROXIMATELY EVERY 200' WITHIN ACCESSIBLE ROUTES. PASSING ZONES SHALL BE A MINIMUM SIZE OF 5'X5' AND HAVE A MAXIMUM SLOPE OF 1.5% IN ALL DIRECTIONS. FOR ACCESSIBLE ROUTES REFER TO CONSTRUCTION DRAWINGS. LOCATIONS WHERE NO ACCESSIBLE ROUTE IS INDICATED BOTH SIDEWALKS SHALL BE ACCESSIBLE.

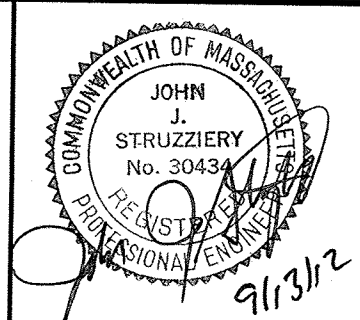


TYPICAL SECTION
VASSAL LANE
STA 10+00 TO 15+50
SCALE: N.T.S.

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CAMBRIDGE, MASSACHUSETTS

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285 SUMMER STREET, SUITE 200
BOSTON, MASSACHUSETTS 02210
TEL:(617)314-7100



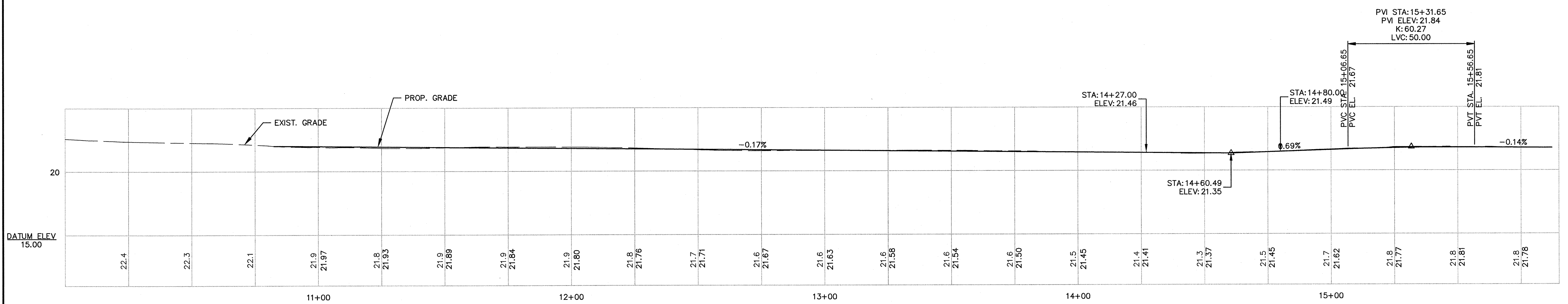
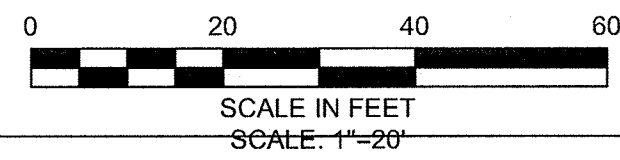
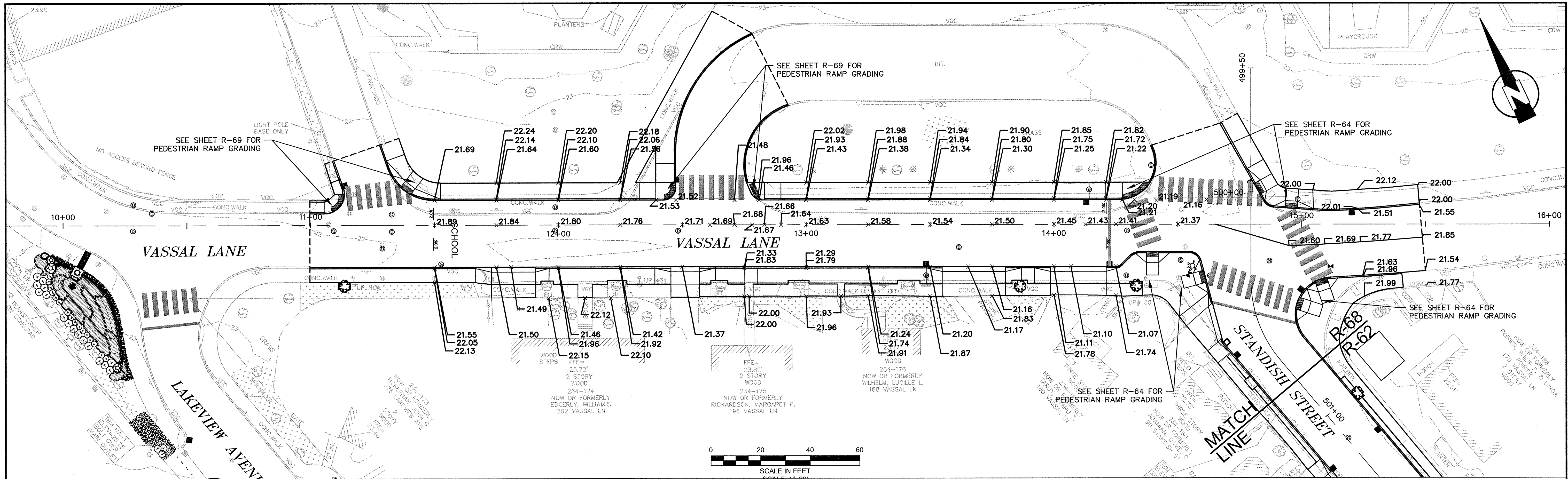
Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - VASSAL LANE Construction Plan STA 10+00 TO 16+00

CONFORMED SET

Sheet	R-67
File No.	



PROFILE
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 VERTICAL SCALE: 1"=4'

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CONFORMED SET

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 BOSTON, MASSACHUSETTS 02210
 TEL: (617) 314-7100

JOHN J. STRUZZIERI
 PROFESSIONAL ENGINEER
 No. 60994
 9/13/12

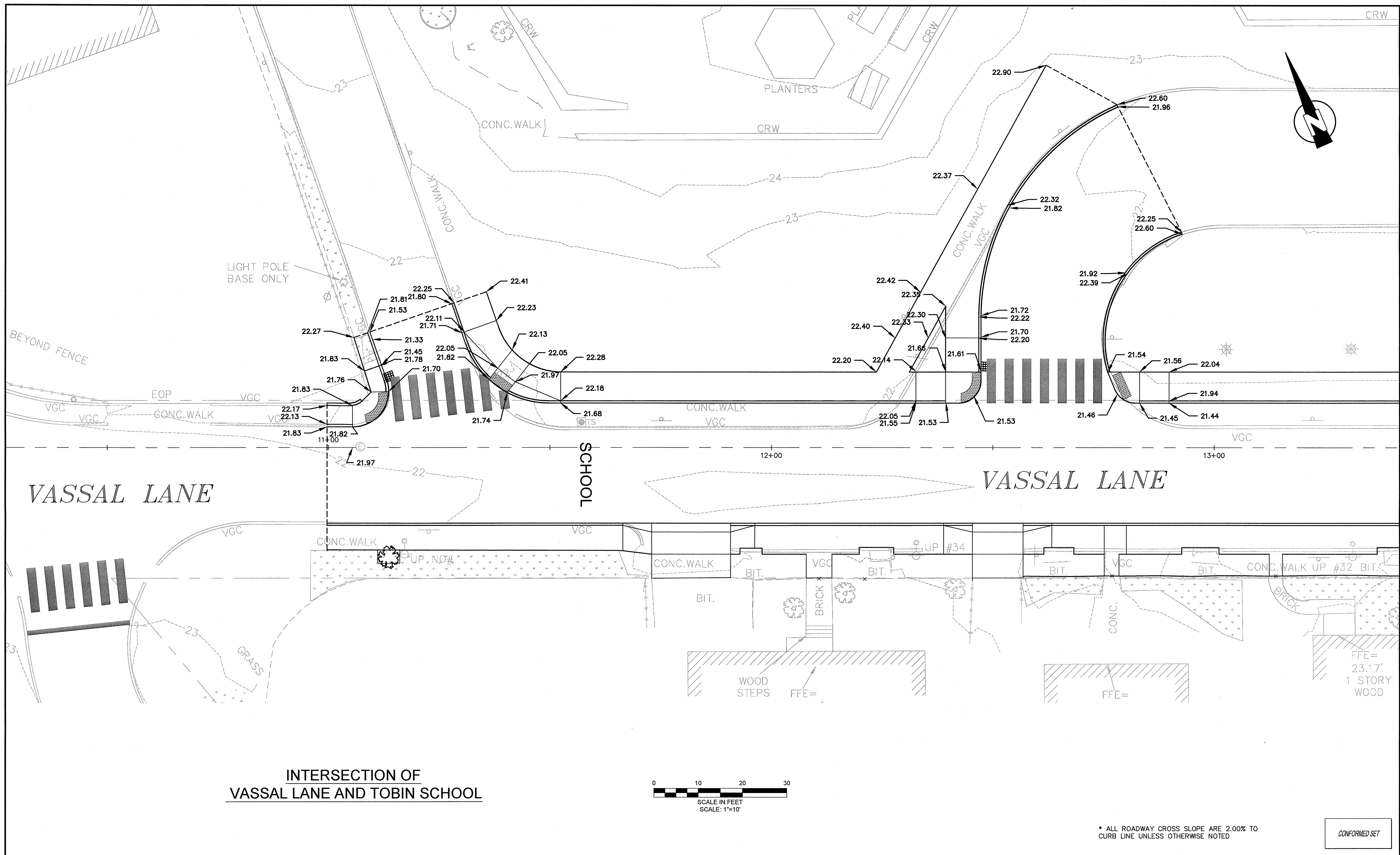
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Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJL		
Drawn by	TALJL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



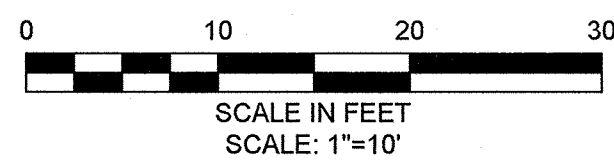
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Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - VASSAL LANE Grading Plan STA 10+00 TO 16+00

Sheet	R-68
File No.	

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**INTERSECTION OF
VASSAL LANE AND TOBIN SCHOOL**

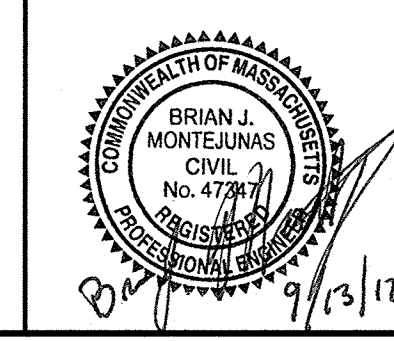


* ALL ROADWAY CROSS SLOPE ARE 2.00% TO CURB LINE UNLESS OTHERWISE NOTED

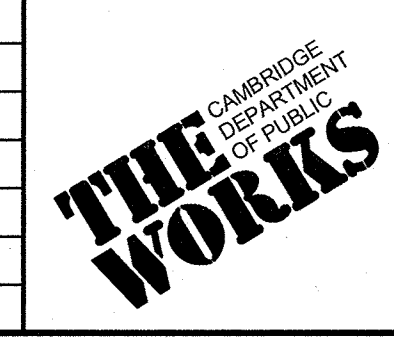
CONFORMED SET

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CAMBRIDGE, MASSACHUSETTS

MWH
285 SUMMER STREET, SUITE 200
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TEL: (617) 314-7100



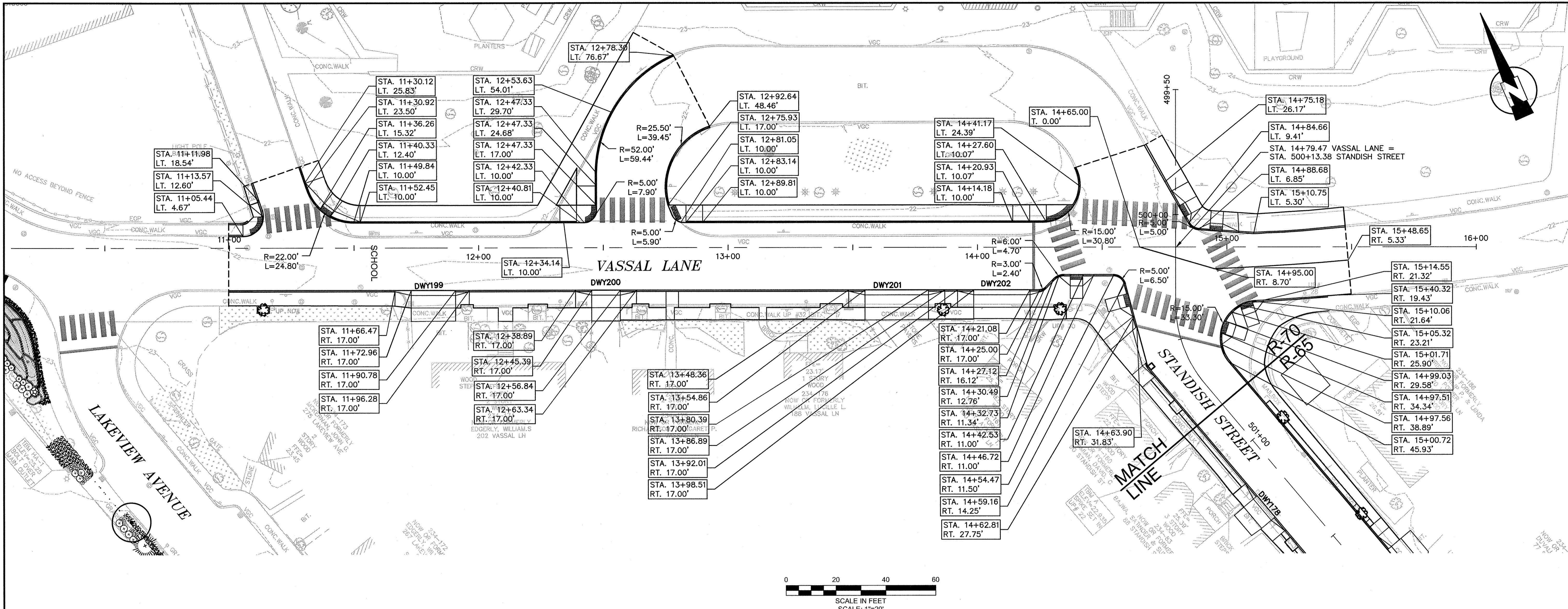
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Date	SEPTEMBER 2012		
Job No.	20110101-01-A		
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Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		Date



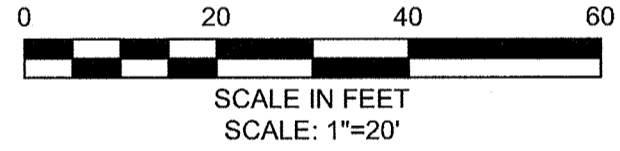
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - VASSAL LANE Intersection Grading

Sheet	R-69
File No.	

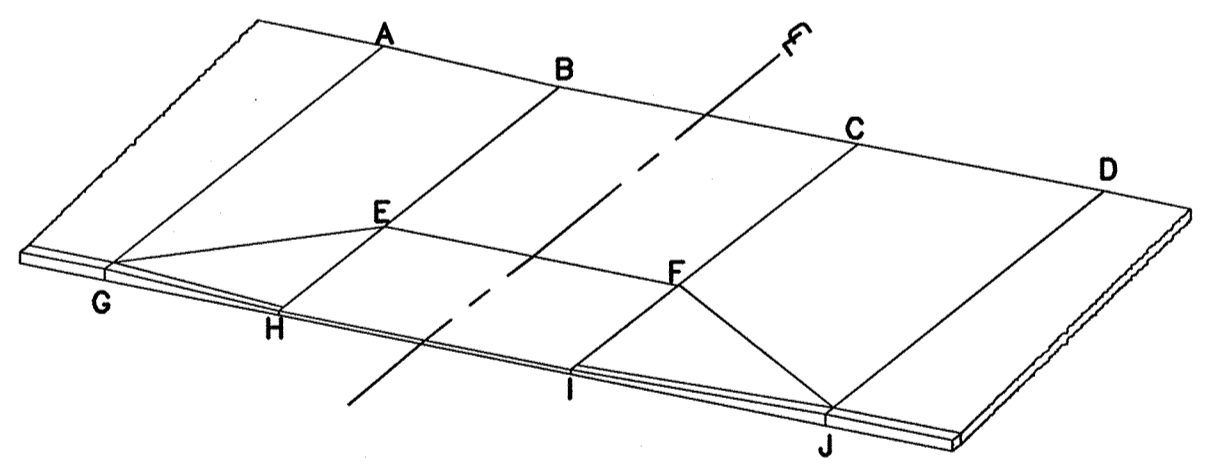
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VASSAL LANE DRIVEWAY SCHEDULE



DWY #	DRIVEWAY CL REFERENCE POINT		LENGTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
199	11+59.85	13.50	3.00	3.00	9.27	8.78	19.70	6.50	6.50	21.87	21.88	21.91	21.92	21.81	21.84	21.50	21.51	21.54	21.55
200	12+24.36	13.50	3.00	3.00	9.04	9.33	22.79	6.50	6.50	21.77	21.78	21.80	21.81	21.70	21.72	21.39	21.40	21.42	21.43
201	13+44.19	13.50	3.00	3.00	8.88	9.05	20.83	6.50	6.50	21.55	21.56	21.60	21.62	21.48	21.52	21.17	21.18	21.22	21.24
202	13+85.02	13.50	3.00	3.00	8.63	8.71	15.17	6.17	6.50	21.49	21.49	21.49	21.54	21.41	21.45	21.11	21.11	21.15	21.16



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

KLEINFELDER SEA
Bright People. Right Solutions.
MANCHESTER, NEW HAMPSHIRE ROCKY HILL, CONNECTICUT
CAMBRIDGE, MASSACHUSETTS

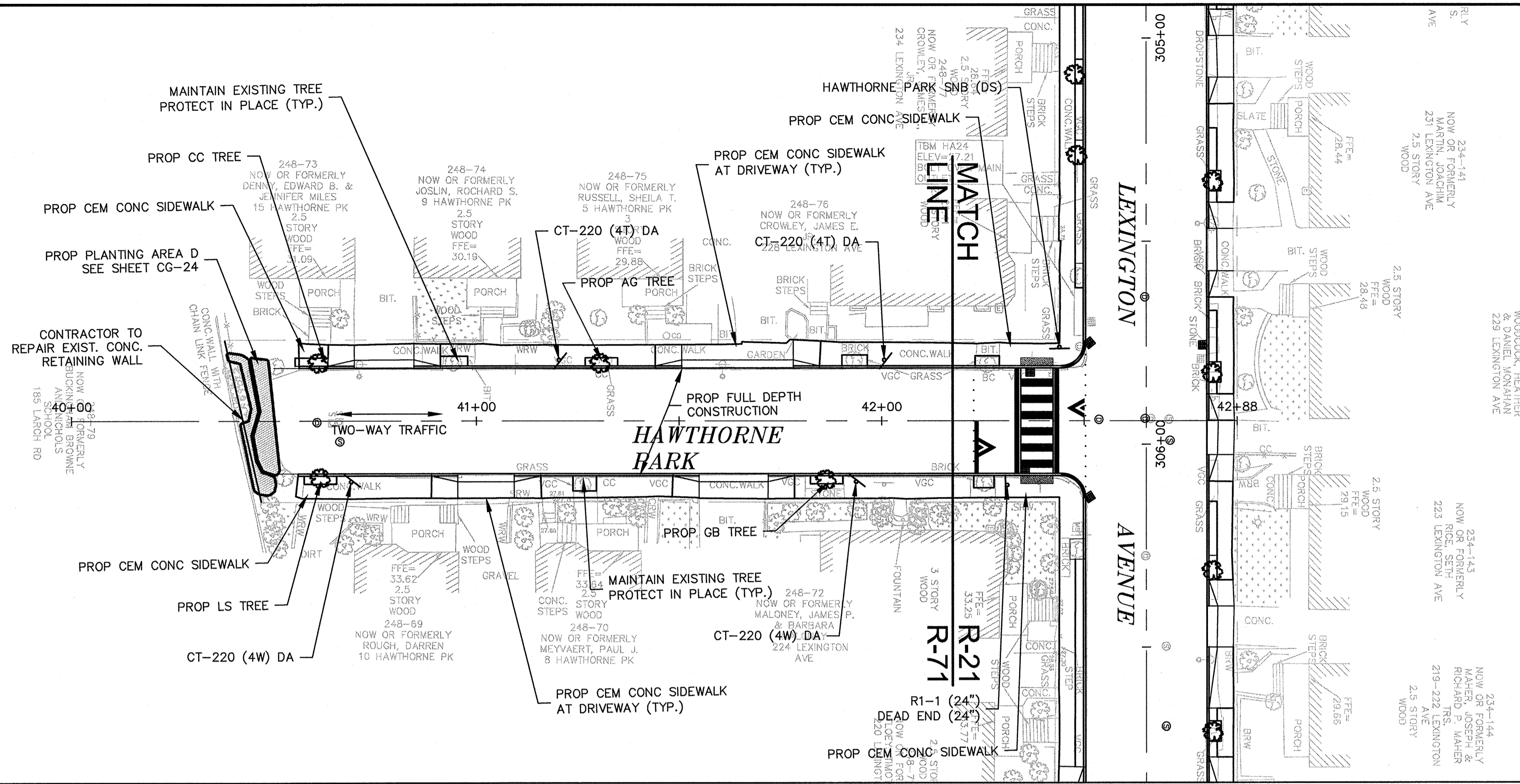
MWH
285 SUMMER STREET, SUITE 200
BOSTON, MASSACHUSETTS 02210
TEL: (617) 314-7100

JOHN L. STRUZZIERI
REGISTERED PROFESSIONAL ENGINEER
9/13/12

Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJL		
Drawn by	TALJL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

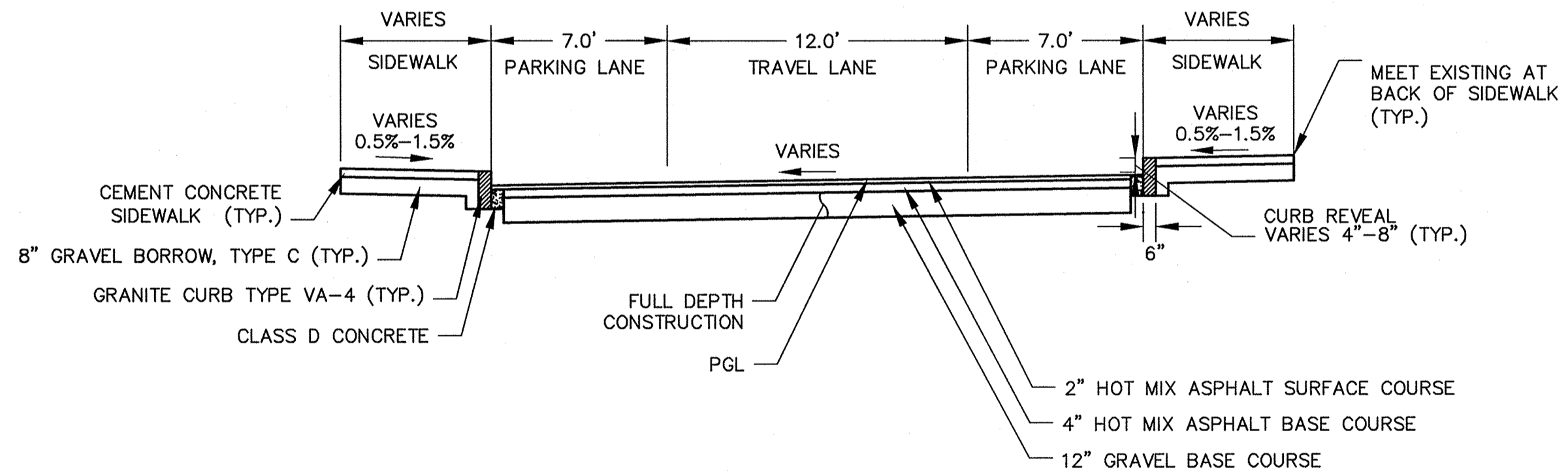
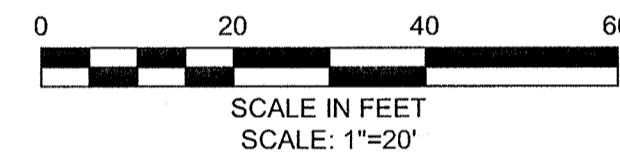
THE WORKS
CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-70
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - VASSAL LANE Curb Tie Plan STA 10+00 TO 16+00		



PEDESTRIAN NOTES:

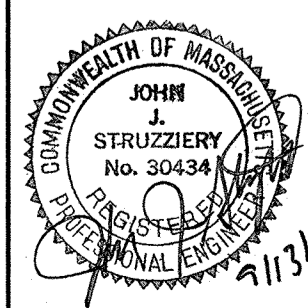
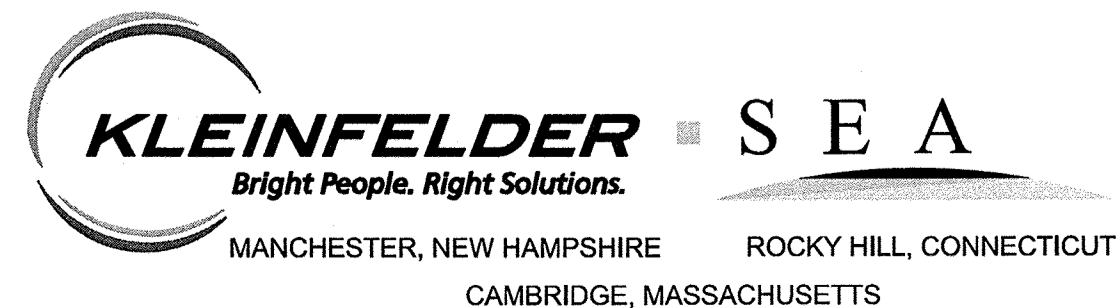
1. WORK IN HAWTHORNE PARK SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK, COLD PLANE, AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. EXISTING TREE PITS THAT ARE LESS THAN 5 FEET IN LENGTH (PARALLEL TO CURB) SHALL BE ADJUSTED TO A MINIMUM LENGTH OF 5'-0".
6. PROPOSED TREE TYPE CODING AND LOCATIONS HAVE BEEN IDENTIFIED ON THE ROADWAY CONSTRUCTION SHEETS. REFER TO SHEET CG-30 FOR PLANTING LIST.
7. EXISTING FEATURES AT BACK OF SIDEWALK SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. DAMAGES OR DISLODGING OF FEATURES AT BACK OF SIDEWALK SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL MATCH THE EXISTING GRADE AT THE LIMIT OF PROPOSED COLD PLANE AND OVERLAY. THE JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE TREATED WITH INFRARED PAVEMENT SEALANT AND HOT POURED RUBBERIZED ASPHALT SEALER.
9. ALL EXISTING TREES AND SHRUBS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
10. ALL EXISTING SIGNS AND POSTS SHALL BE REMOVED AND STACKED.
11. ALL PROPOSED SIGNS SHALL BE LOCATED A LATERAL CLEARANCE OF 1' FROM CURB.
12. PASSING ZONES HAVE BEEN LOCATED APPROXIMATELY EVERY 200' WITHIN ACCESSIBLE ROUTES. PASSING ZONES SHALL BE A MINIMUM SIZE OF 5'X5' AND HAVE A MAXIMUM SLOPE OF 1.5% IN ALL DIRECTIONS. FOR ACCESSIBLE ROUTES REFER TO CONSTRUCTION DRAWINGS. LOCATIONS WHERE NO ACCESSIBLE ROUTE IS INDICATED BOTH SIDEWALKS SHALL BE ACCESSIBLE.



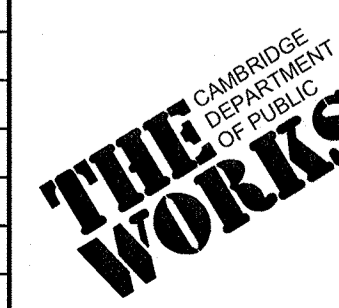
TYPICAL SECTION

HAWTHORNE PARK
STA 40+50 TO 42+56
SCALE: N.T.S.

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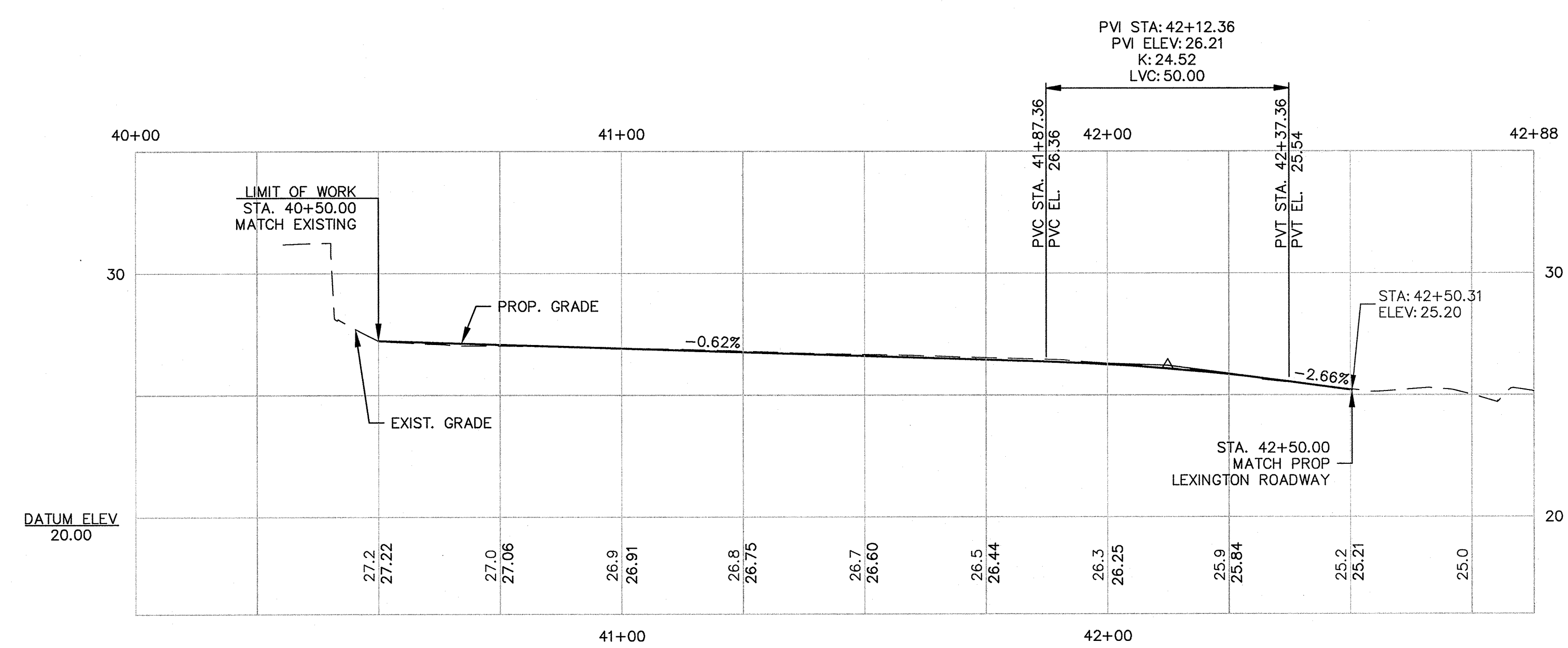
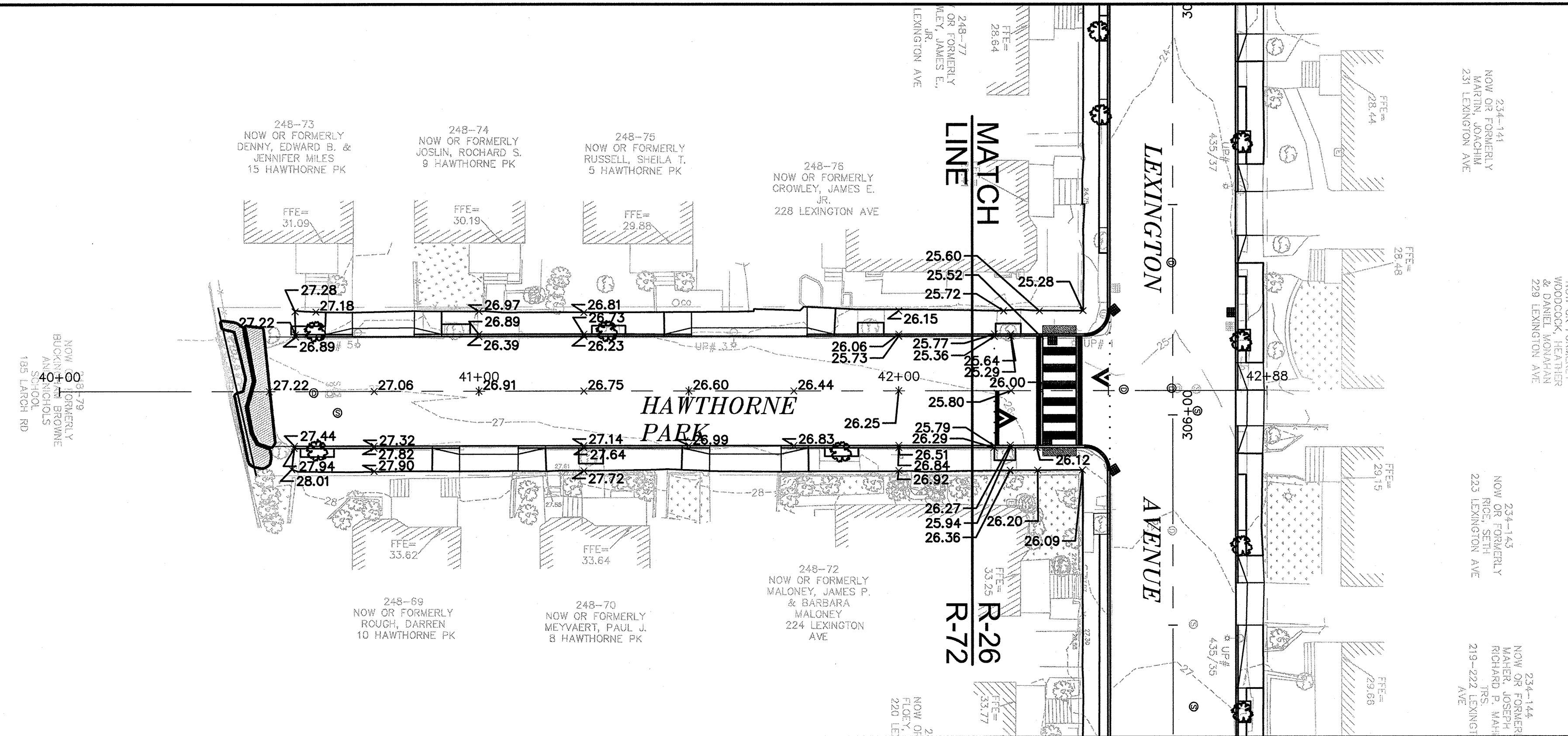
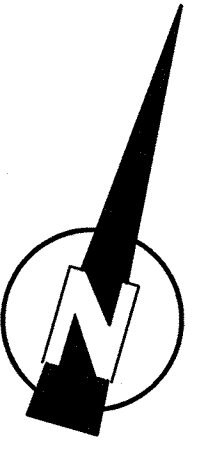


Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	20110101-A			
Designed by	TALJL			
Drawn by	TALJL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

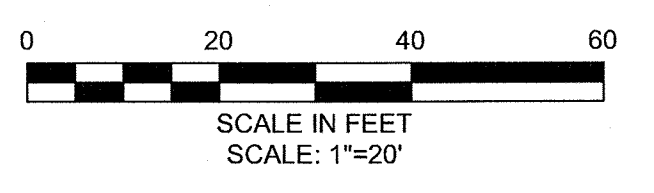


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-71
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - HAWTHORNE PARK Construction Plan STA 40+00 TO 42+50		

CONFORMED SET



PROFILE
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 4'

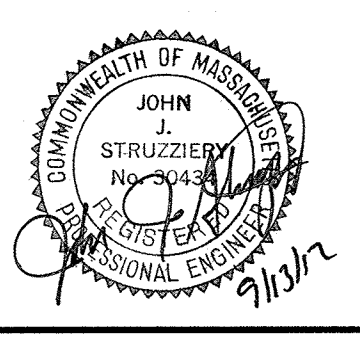


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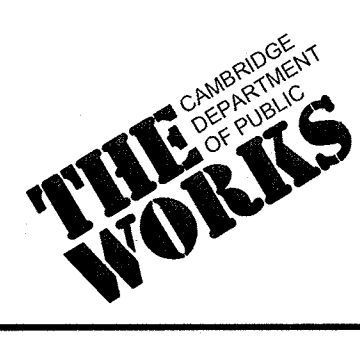
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MWH
 285 SUMMER STREET, SUITE 200
 BOSTON, MASSACHUSETTS 02210
 TEL: (617) 314-7100

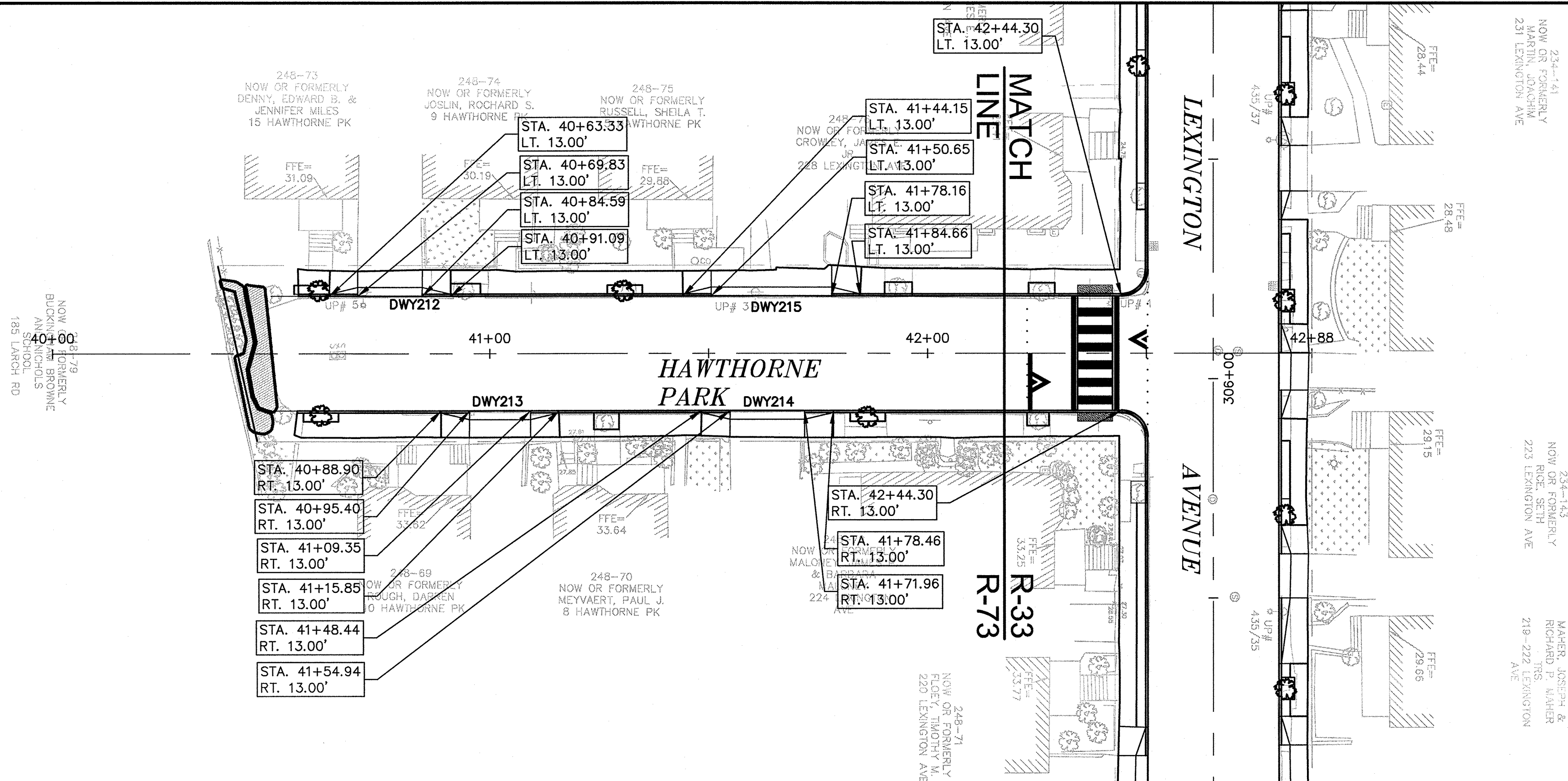


Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJL		
Drawn by	TALJL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



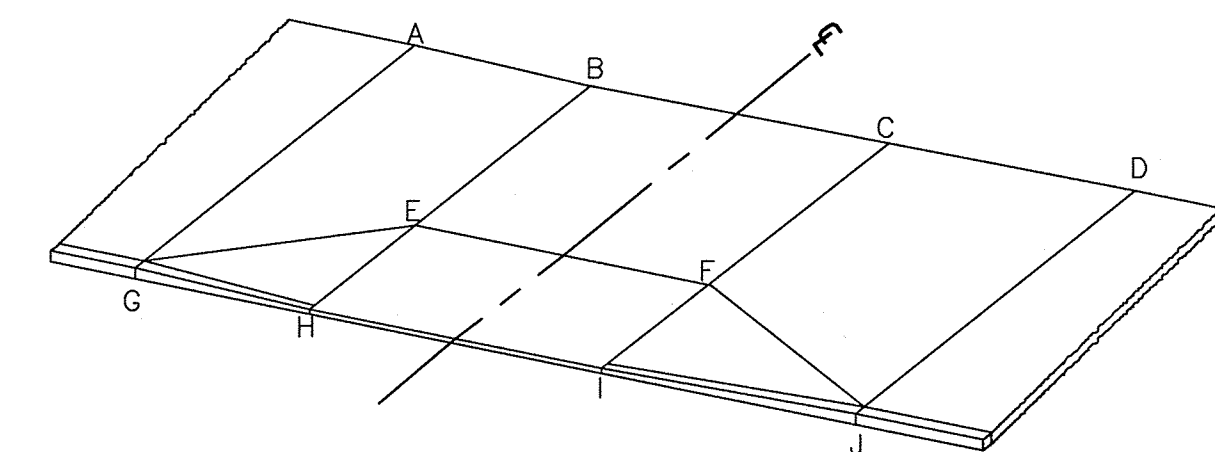
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - HAWTHORNE PARK Grading Plan STA 40+00 to 42+50

Sheet	R-72
File No.	



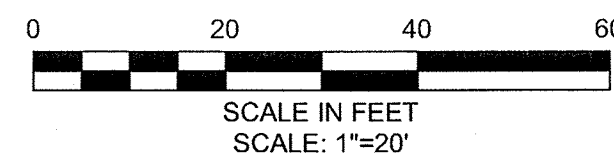
HAWTHORNE PARK DRIVEWAY SCHEDULE

DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
212	40+77.21	13.00	1.73	2.03	4.00	4.00	14.77	6.50	6.50	27.20	27.09	27.00	27.57	27.03	26.94	27.14	26.73	26.56	27.49
213	41+02.38	13.00	2.02	2.07	4.00	4.00	13.95	6.50	6.50	27.78	27.60	27.66	27.89	27.54	27.60	27.70	27.24	27.30	27.81
214	41+63.45	13.00	2.19	2.03	4.00	4.00	17.02	6.50	6.50	27.21	27.24	27.32	27.58	27.16	27.26	27.13	26.85	26.96	27.50
215	41+64.40	13.00	1.76	2.99	4.00	4.00	27.51	6.50	6.50	26.49	26.45	26.28	26.24	26.39	26.22	26.13	26.09	25.92	25.88



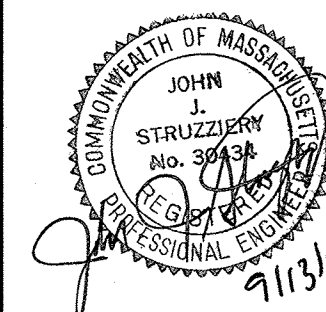
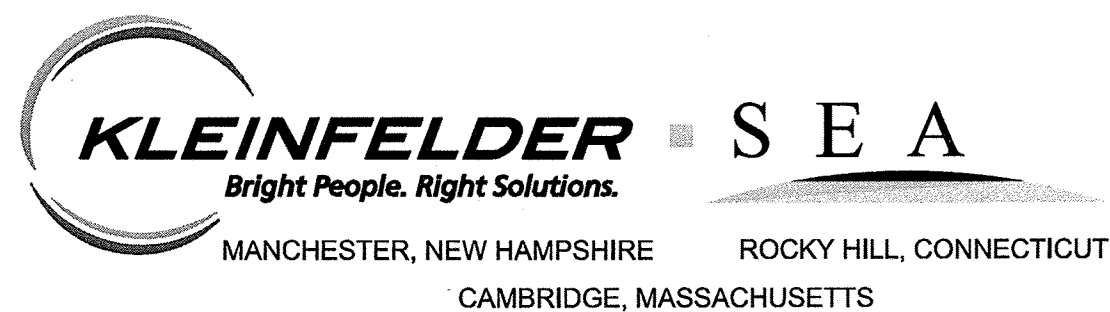
TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

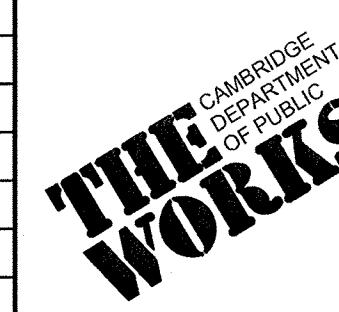


CONFORMED SET

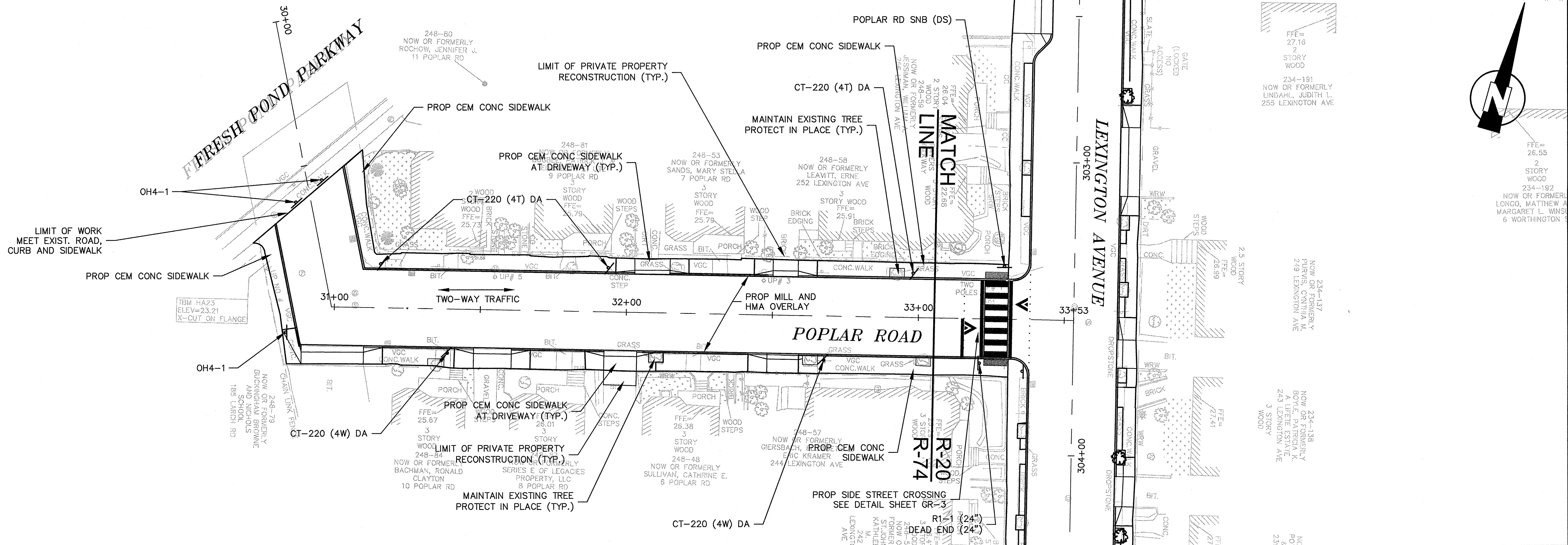
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TAL/JL		
Drawn by	TAL/JL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

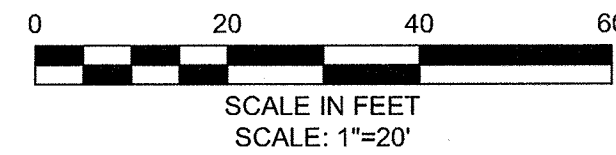


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-73
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - HAWTHORNE PARK Curb Tie Plan STA 40+00 to 42+50		



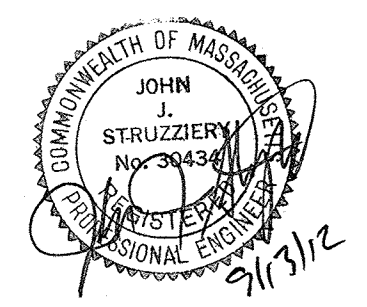
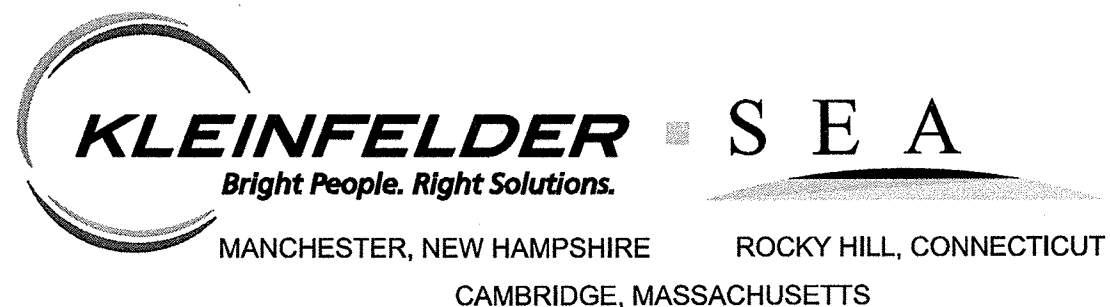
PEDESTRIAN NOTES:

1. WORK IN POPLAR ROAD SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK, COLD PLANE, AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. EXISTING TREE PITS THAT ARE LESS THAN 5 FEET IN LENGTH (PARALLEL TO CURB) SHALL BE ADJUSTED TO A MINIMUM LENGTH OF 5'-0".
6. PROPOSED TREE TYPE CODING AND LOCATIONS HAVE BEEN IDENTIFIED ON THE ROADWAY CONSTRUCTION SHEETS. REFER TO SHEET CG-30 FOR PLANTING LIST.
7. EXISTING FEATURES AT BACK OF SIDEWALK SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. DAMAGES OR DISLODGING OF FEATURES AT BACK OF SIDEWALK SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL MATCH THE EXISTING GRADE AT THE LIMIT OF PROPOSED COLD PLANE AND OVERLAY. THE JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE TREATED WITH INFRARED PAVEMENT SEALANT AND HOT POURED RUBBERIZED ASPHALT SEALER.
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10. ALL EXISTING SIGNS AND POSTS SHALL BE REMOVED AND STACKED.
11. ALL PROPOSED SIGNS SHALL BE LOCATED A LATERAL CLEARANCE OF 1' FROM CURB.
12. PASSING ZONES HAVE BEEN LOCATED APPROXIMATELY EVERY 200' WITHIN ACCESSIBLE ROUTES. PASSING ZONES SHALL BE A MINIMUM SIZE OF 5'X5' AND HAVE A MAXIMUM SLOPE OF 1.5% IN ALL DIRECTIONS. FOR ACCESSIBLE ROUTES REFER TO CONSTRUCTION DRAWINGS. LOCATIONS WHERE NO ACCESSIBLE ROUTE IS INDICATED BOTH SIDEWALKS SHALL BE ACCESSIBLE.

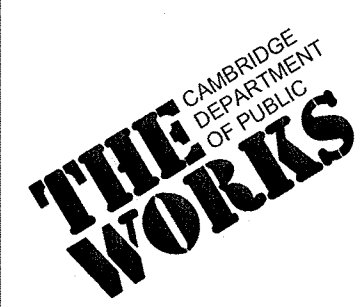


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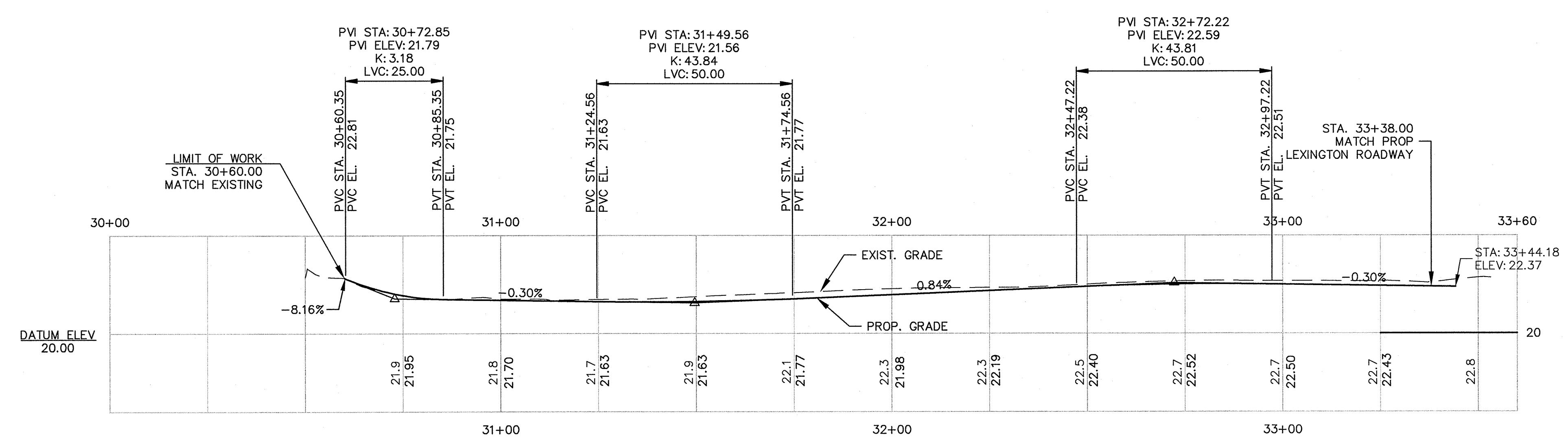
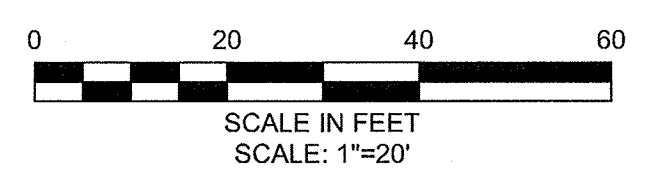
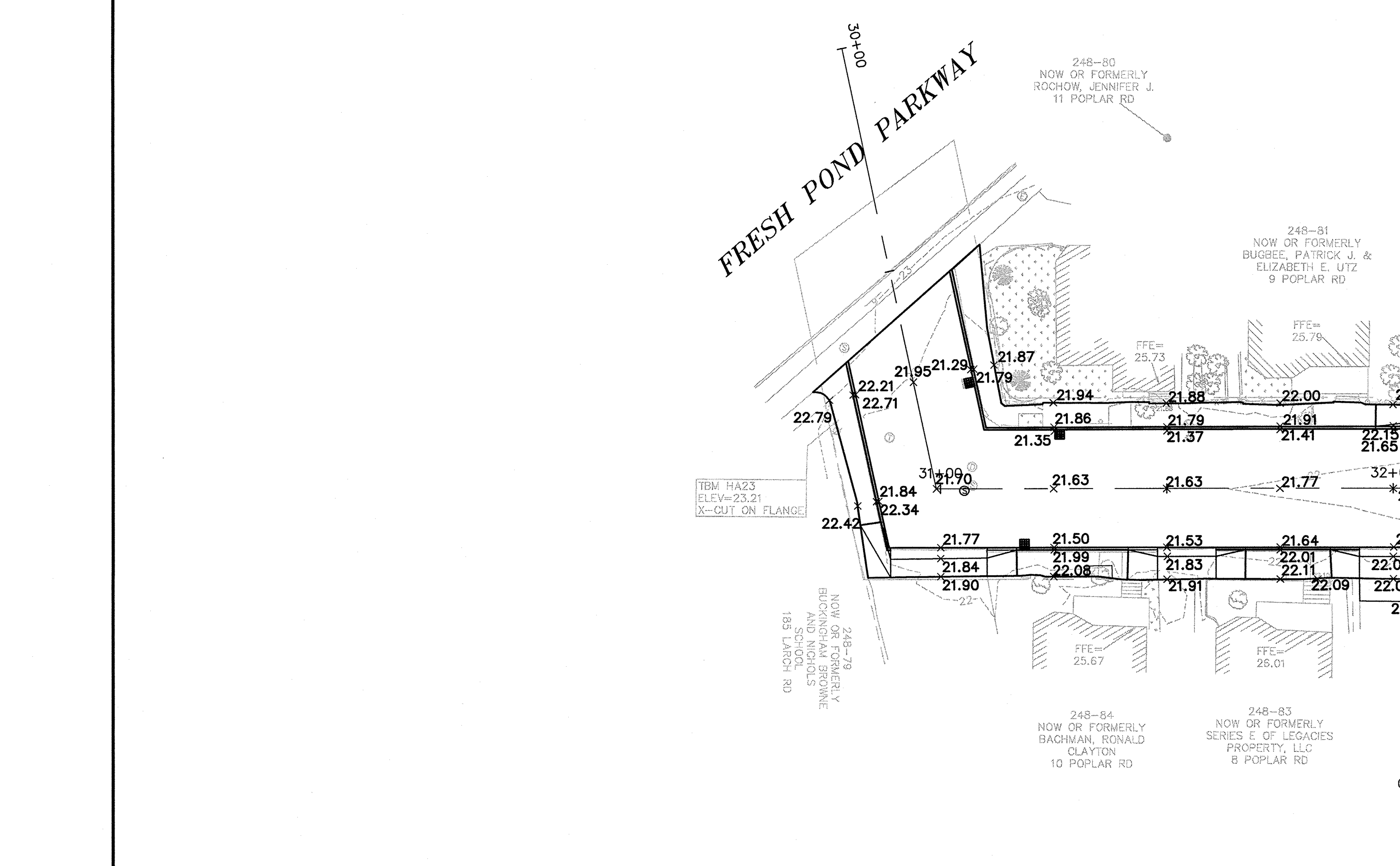
CONFORMED SET



Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	20110101-A			
Designed by	TALJL			
Drawn by	TALJL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-74
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - POPLAR ROAD Construction Plan STA 30+00 to 33+50		

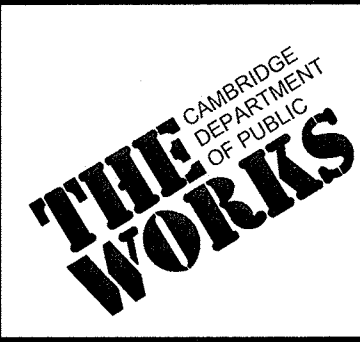


PROFILE
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=4'

CONFORMED SET

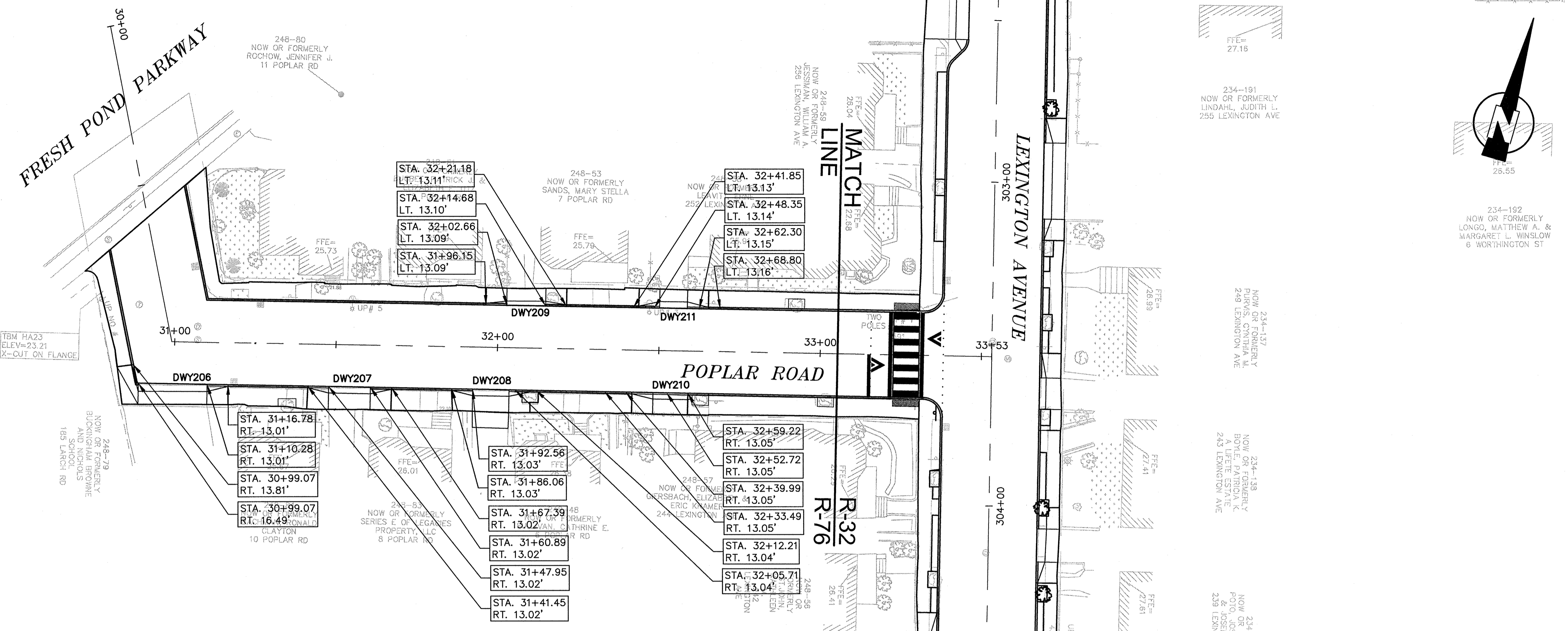
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Scale		AS NOTED	
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJUL		
Drawn by	TALJUL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



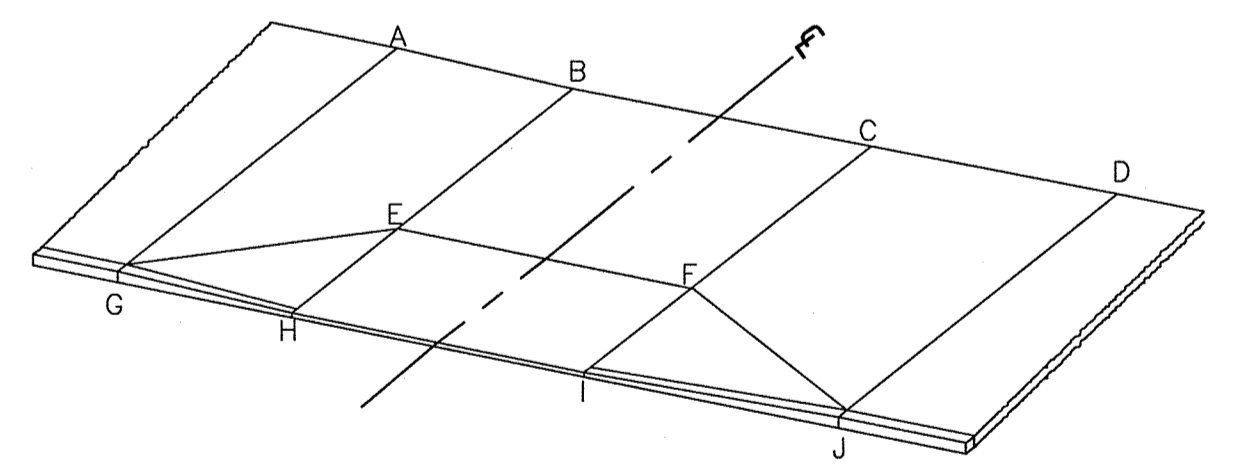
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - POPLAR ROAD Grading Plan STA 30+00 to 33+50

Sheet	R-75
File No.	

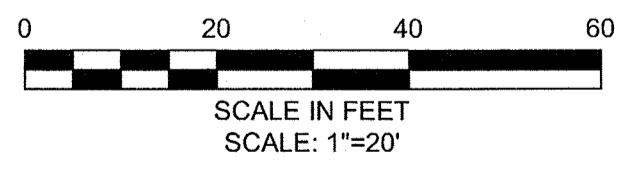


POPLAR ROAD DRIVEWAY SCHEDULE

DWY #	DRIVEWAY REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
206	30+99.60	13.00	2.25	2.52	4.00	4.00	21.35	6.50	5.98	21.94	21.96	22.02	22.10	21.90	21.96	21.78	21.80	21.86	21.94
207	31+54.42	13.02	2.92	3.10	4.00	4.00	12.94	6.50	6.50	22.12	22.06	21.98	22.00	21.79	21.71	21.65	21.59	21.51	21.53
208	31+99.13	13.03	2.98	2.79	4.00	4.00	13.15	6.50	6.50	22.18	22.12	22.03	21.98	22.06	21.97	21.82	21.76	21.67	21.62
209	32+08.67	13.10	1.31	1.46	4.00	4.00	12.02	6.50	6.50	21.95	22.01	22.11	22.16	21.95	22.05	21.59	21.65	21.75	21.80
210	32+46.35	13.05	2.63	2.41	4.00	4.00	12.74	6.50	6.50	22.49	22.44	22.35	22.29	22.38	22.29	22.13	22.08	21.99	21.93
211	32+55.32	13.14	1.92	1.75	4.00	4.00	13.96	6.50	6.50	22.32	22.37	22.44	22.50	22.31	22.38	21.96	22.01	22.08	22.14



TYPICAL DRIVEWAY LEGEND
SCALE: N.T.S.



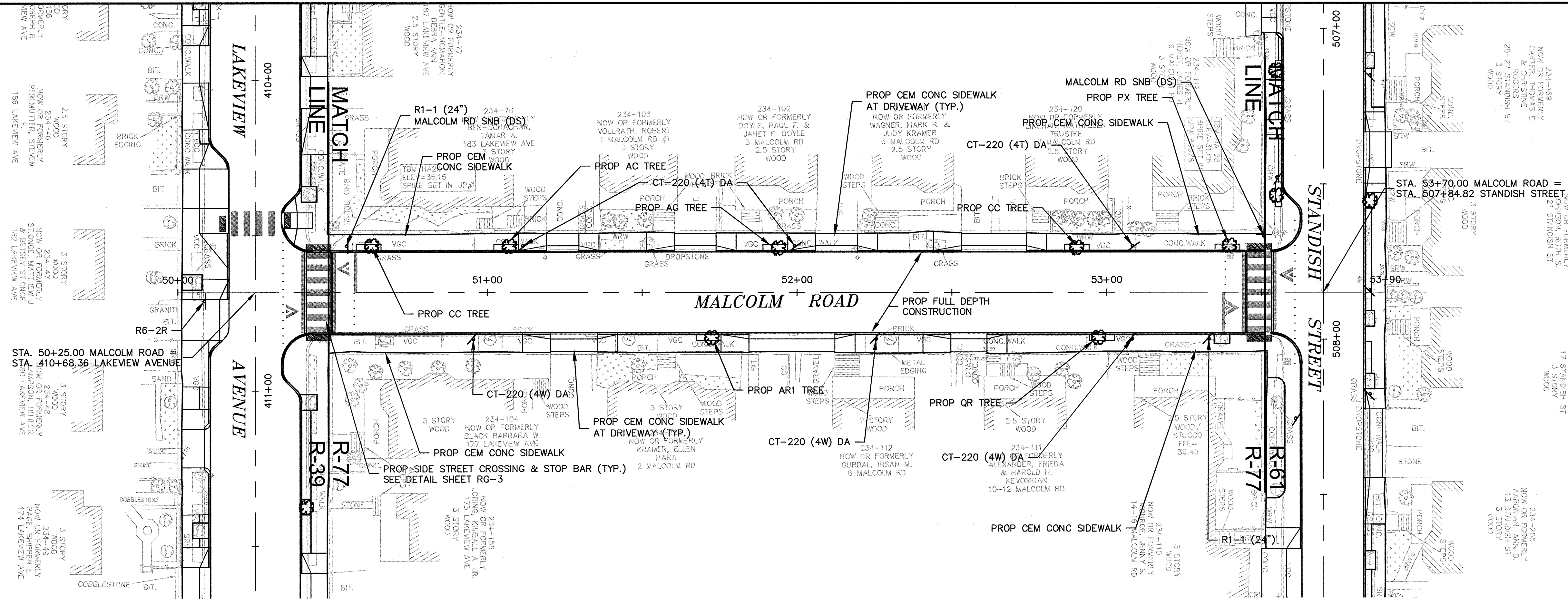
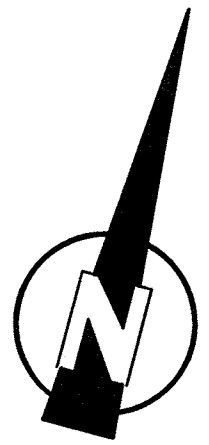
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Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJUL		
Drawn by	TALJUL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS

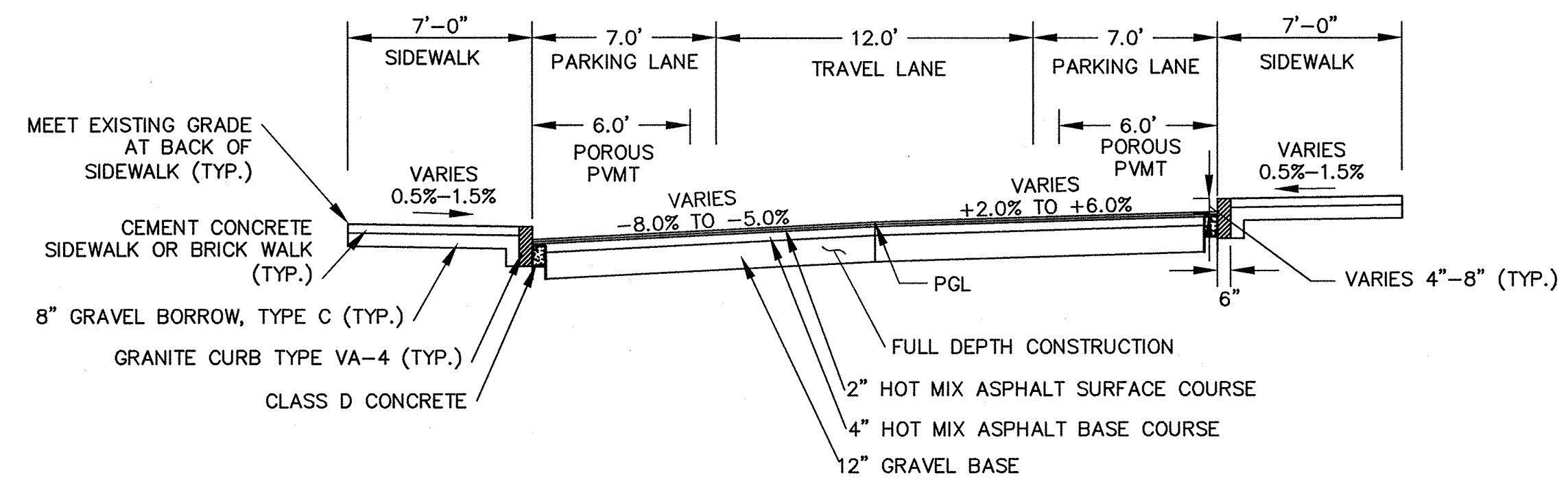


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-76
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - POPLAR ROAD Curb Tie Plan STA 30+00 to 33+50		



PEDESTRIAN NOTES:

1. WORK IN MALCOLM ROAD SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEET RG-3 AND RG-4 FOR CURB INSTALLATION, PEDESTRIAN RAMP, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK, COLD PLANE, AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. EXISTING TREE PITS THAT ARE LESS THAN 5 FEET IN LENGTH (PARALLEL TO CURB) SHALL BE ADJUSTED TO A MINIMUM LENGTH OF 5'-0".
6. PROPOSED TREE TYPE CODING AND LOCATIONS HAVE BEEN IDENTIFIED ON THE ROADWAY CONSTRUCTION SHEETS. REFER TO SHEET CG-30 FOR PLANTING LIST.
7. EXISTING FEATURES AT BACK OF SIDEWALK SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. DAMAGES OR DISLODGING OF FEATURES AT BACK OF SIDEWALK SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL MATCH THE EXISTING GRADE AT THE LIMIT OF PROPOSED COLD PLANE AND OVERLAY. THE JOINT BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE TREATED WITH INFRARED PAVEMENT SEALANT AND HOT POURED RUBBERIZED ASPHALT SEALER.
9. EXISTING TREES AND SHRUBS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
10. ALL EXISTING SIGNS AND POSTS SHALL BE REMOVED AND STACKED.
11. ALL PROPOSED SIGNS SHALL BE LOCATED A LATERAL CLEARANCE OF 1' FROM CURB.
12. PASSING ZONES HAVE BEEN LOCATED APPROXIMATELY EVERY 200' WITHIN ACCESSIBLE ROUTES. PASSING ZONES SHALL BE A MINIMUM SIZE OF 5'X5' AND HAVE A MAXIMUM SLOPE OF 1.5% IN ALL DIRECTIONS. FOR ACCESSIBLE ROUTES, REFER TO CONSTRUCTION DRAWINGS. LOCATIONS WHERE NO ACCESSIBLE ROUTE IS INDICATED, BOTH SIDEWALKS SHALL BE ACCESSIBLE.



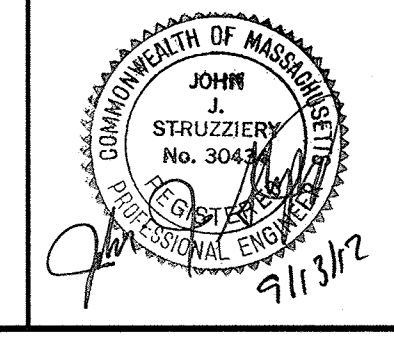
TYPICAL SECTION
MALCOLM ROAD
STA 50+56 TO 53+54
SCALE: N.T.S.

CONFORMED SET

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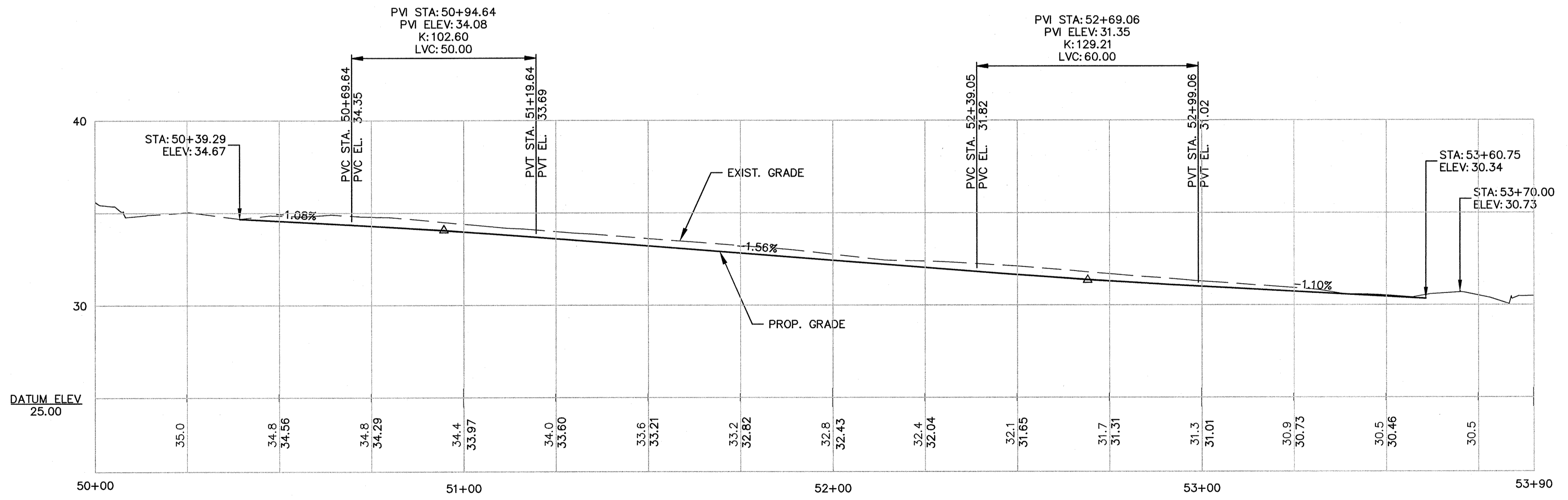
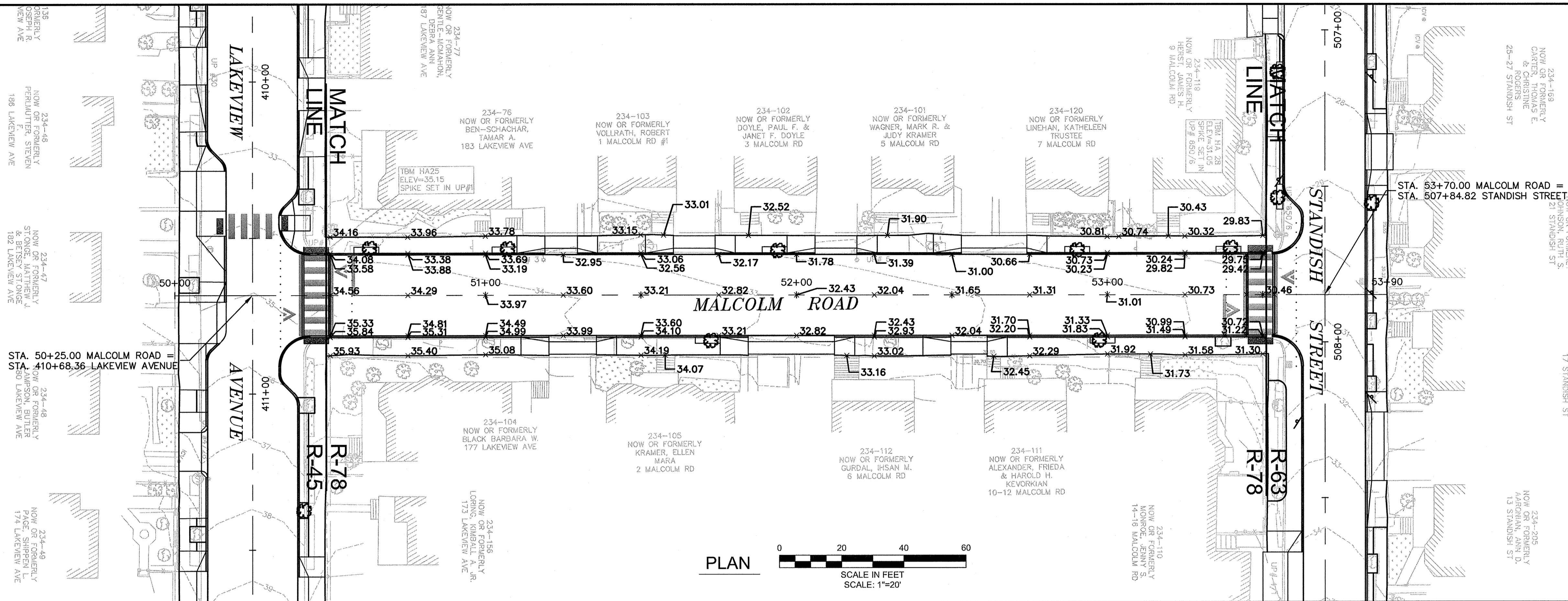
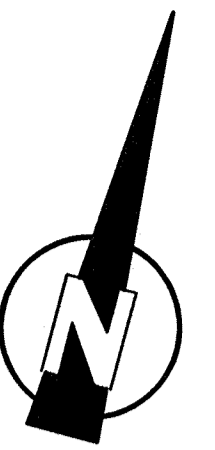
MWH
285 SUMMER STREET, SUITE 200
BOSTON, MASSACHUSETTS 02210
TEL:(617)314-7100



Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	



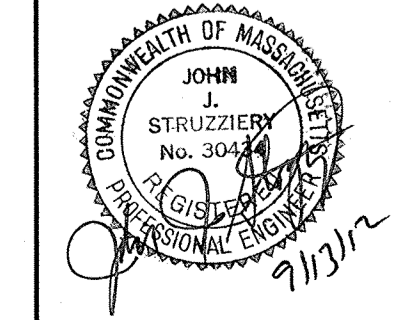
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-77
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - MALCOLM ROAD Construction Plan STA 50+00 to 53+90		



PROFILE
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=4'

CONFORMED SET

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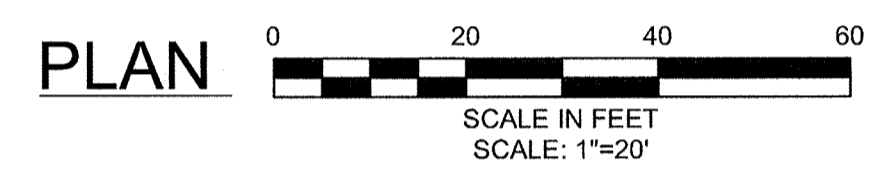
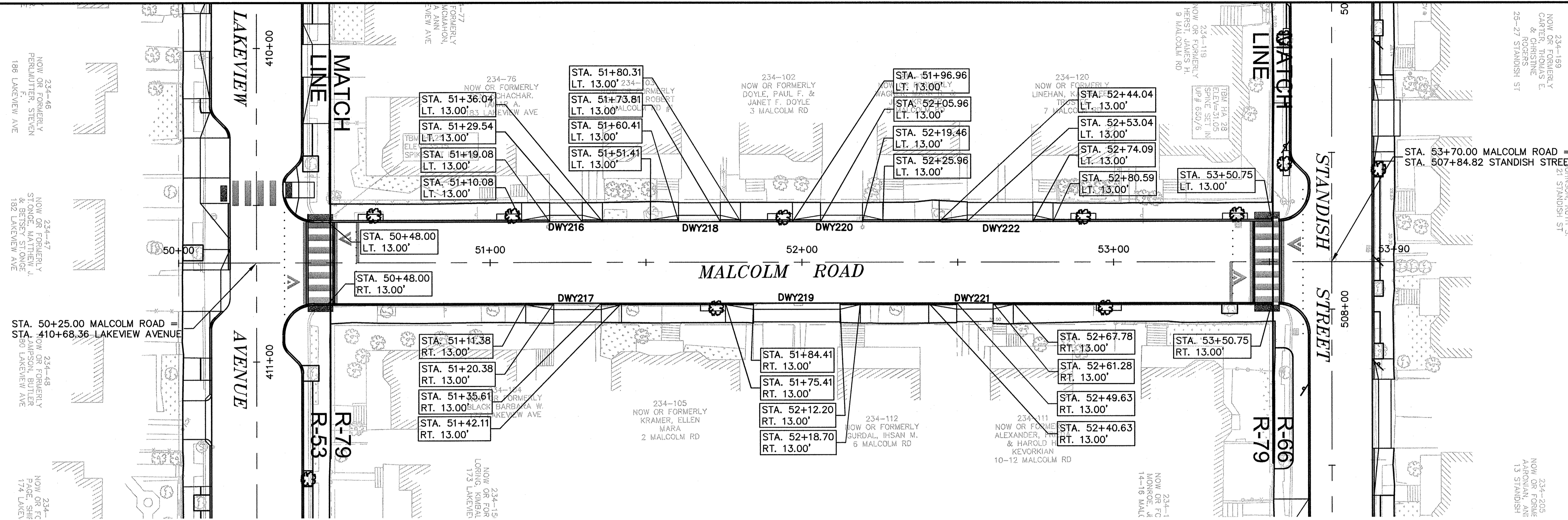
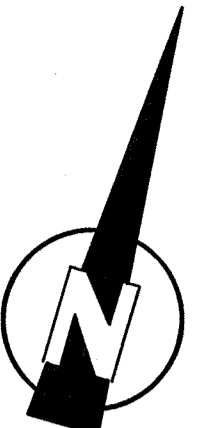


Scale	AS NOTED		
Date	SEPTEMBER 2012		
Job No.	20110101-A		
Designed by	TALJL		
Drawn by	TALJL		
Checked by	CMC/BJM	No.	Description
Approved by	BJM		REVISIONS



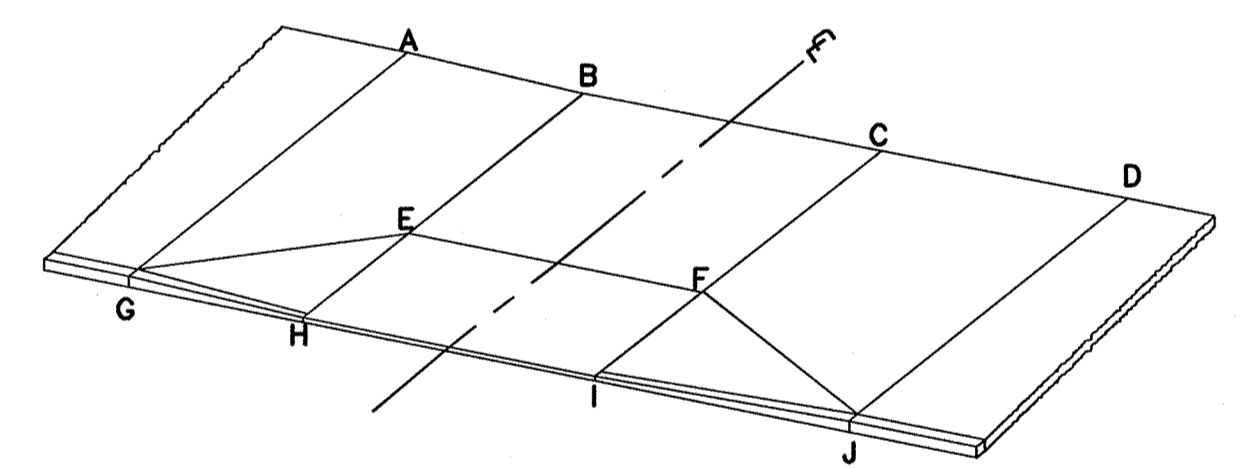
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing	ROADWAY - MALCOLM ROAD Grading Plan STA 50+00 to 53+90

Sheet	R-78
File No.	



MALCOLM ROAD DRIVEWAY SCHEDULE

DWY #	DRIVEWAY CL. REFERENCE POINT		DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION									
	STATION	OFFSET	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G	H	I	J
216	51+24.31	13.00	2.00	2.00	4.00	4.00	10.46	9.00	6.50	33.70	33.40	33.24	33.37	33.34	33.18	33.11	33.04	32.88	32.78
217	51+28.00	13.00	2.00	2.00	4.00	4.00	15.23	6.50	9.00	34.31	34.19	34.42	34.84	34.13	34.36	33.72	33.83	34.06	34.25
218	51+67.11	13.00	2.00	2.00	4.00	4.00	13.40	9.00	6.50	33.12	32.76	32.55	32.59	32.70	32.49	32.54	32.40	32.19	32.09
219	51+98.30	13.00	2.00	2.00	4.00	4.00	27.79	6.50	9.00	33.12	32.99	33.42	33.79	32.93	33.36	32.53	32.63	33.06	33.20
220	52+12.71	13.00	2.00	2.00	4.00	4.00	13.50	9.00	6.50	32.33	32.05	31.84	31.96	31.99	31.78	31.83	31.69	31.48	31.37
221	52+55.45	13.00	2.00	2.00	4.00	4.00	11.65	6.50	9.00	32.39	32.25	32.41	32.77	32.19	32.35	31.80	31.89	32.05	32.18
222	52+63.56	13.00	2.00	2.00	4.00	4.00	21.05	9.00	6.50	31.68	31.32	31.03	31.18	31.26	30.97	31.09	30.96	30.67	30.59

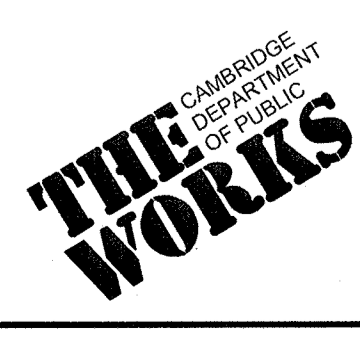


TYPICAL DRIVEWAY LEGEND
SCALE: N.T.S.

CONFORMED SET

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Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-79
Project	HURON A SEWER SEPARATION PROJECT Contract No. 8A	File No.	
Drawing	ROADWAY - MALCOLM ROAD Curb Tie Plan STA 50+00 to 53+90		