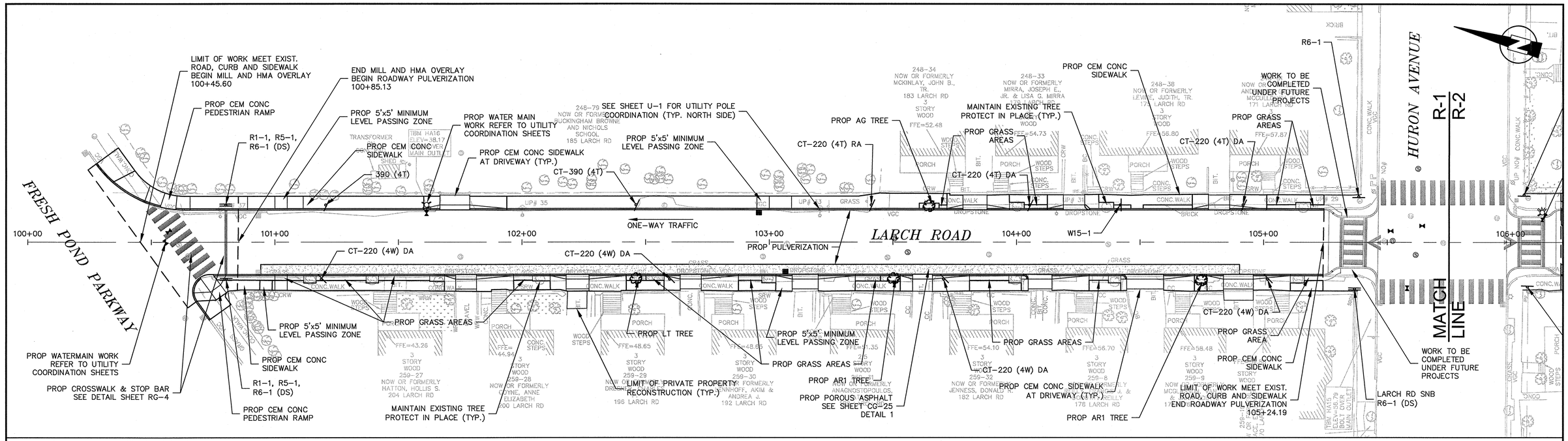
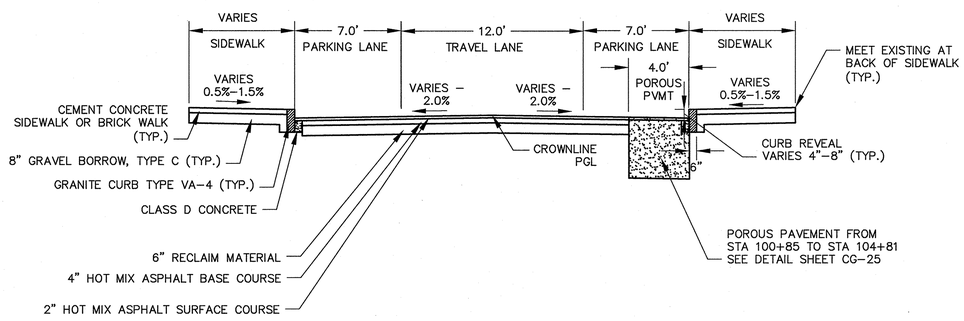


0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK ON LARCH 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 15SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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
LARCH ROAD
STA 100+85 TO 105+24
SCALE: N.T.S.

CONFORMED SET

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

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

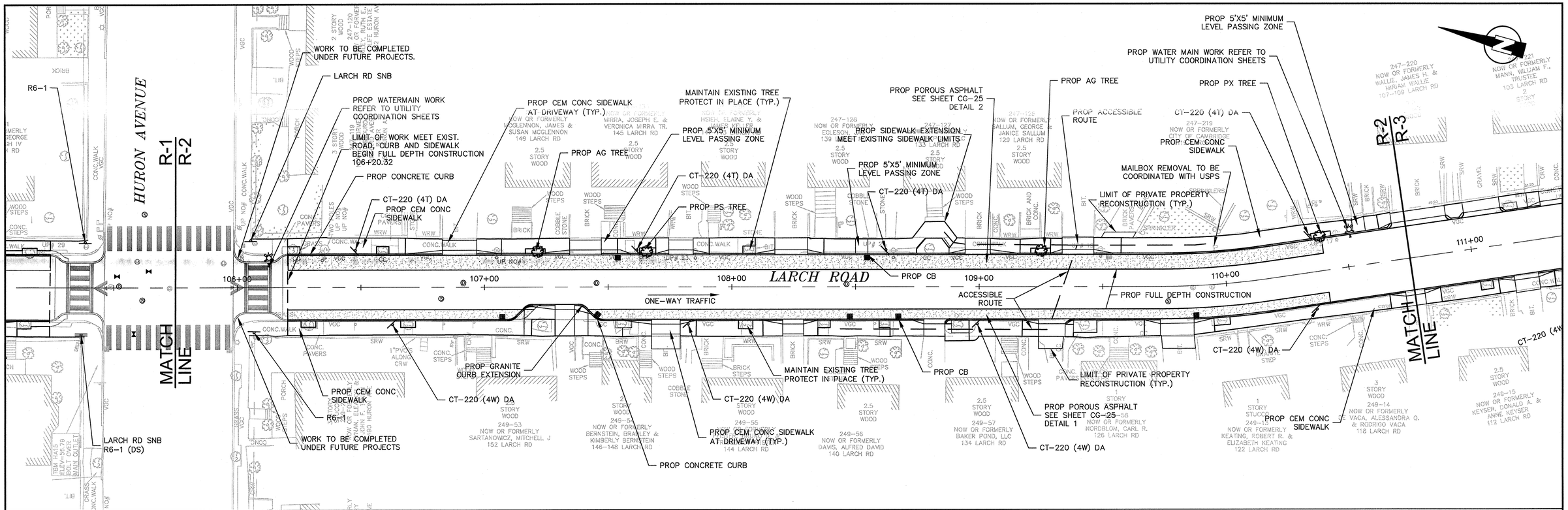
COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30641 REGISTERED PROFESSIONAL ENGINEER 9/1/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LARCH ROAD
Construction Plan STA 100+00 to 105+75
Sheet: R-1
File No.

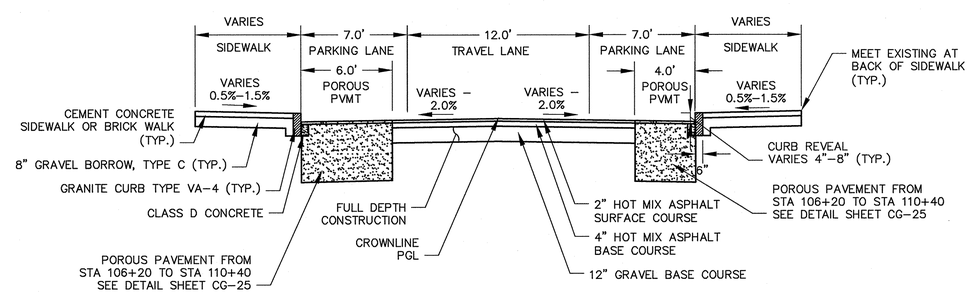
PLOT DATE=9/4/2012 11:59:40 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg



0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK ON LARCH 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 15SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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
LARCH ROAD
STA 106+20 TO 110+40
SCALE: N.T.S.

CONFORMED SET

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

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

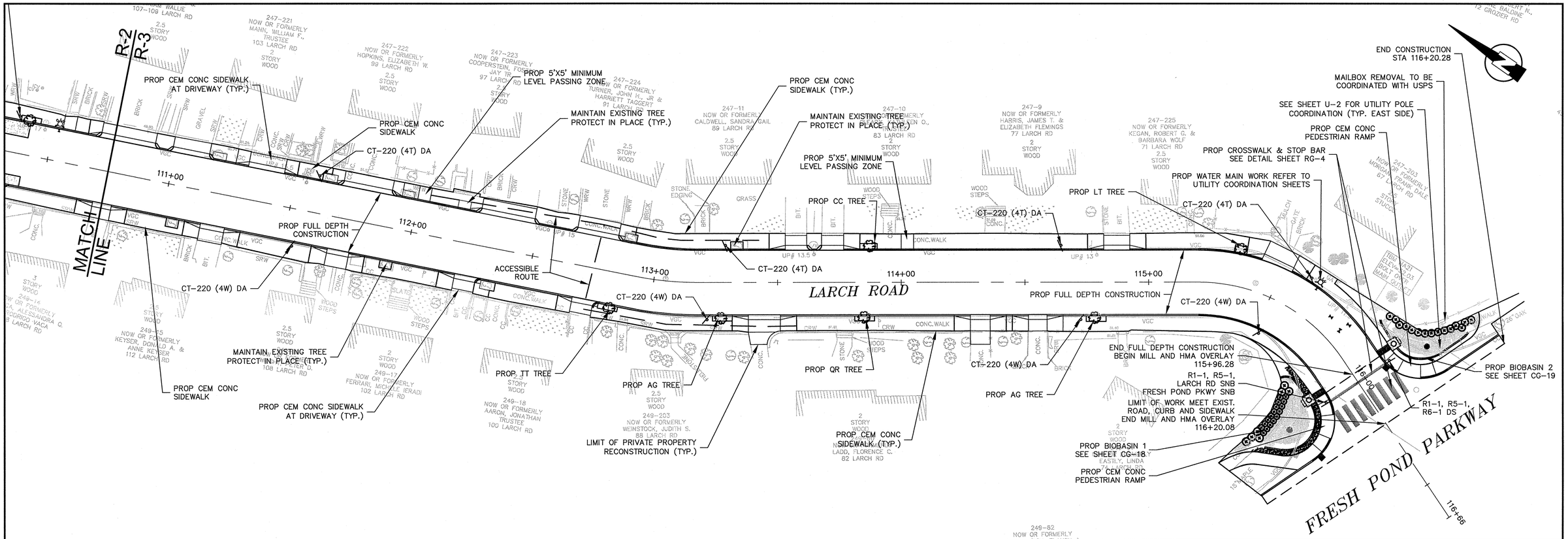
COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERY No. 30434 PROFESSIONAL ENGINEER 5/1/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LARCH ROAD
Construction Plan STA 105+75 to 110+75
Sheet: R-2
File No.

PLOT DATE=9/4/2012 12:01:14 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg

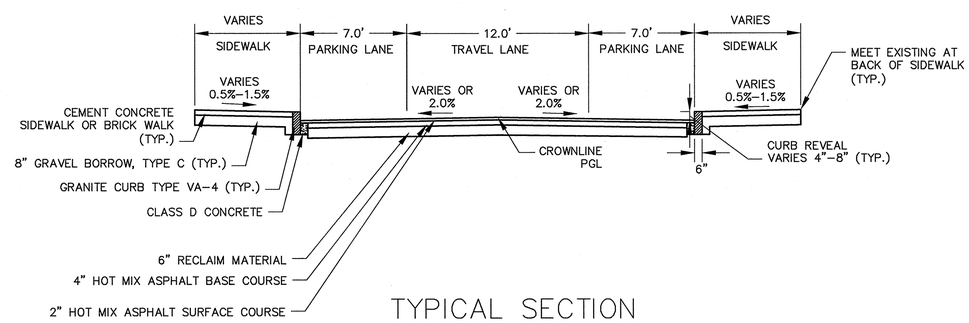


PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK ON LARCH 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 15SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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

LARCH ROAD
STA 110+40 TO 115+96
SCALE: N.T.S.

CONFORMED SET

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

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

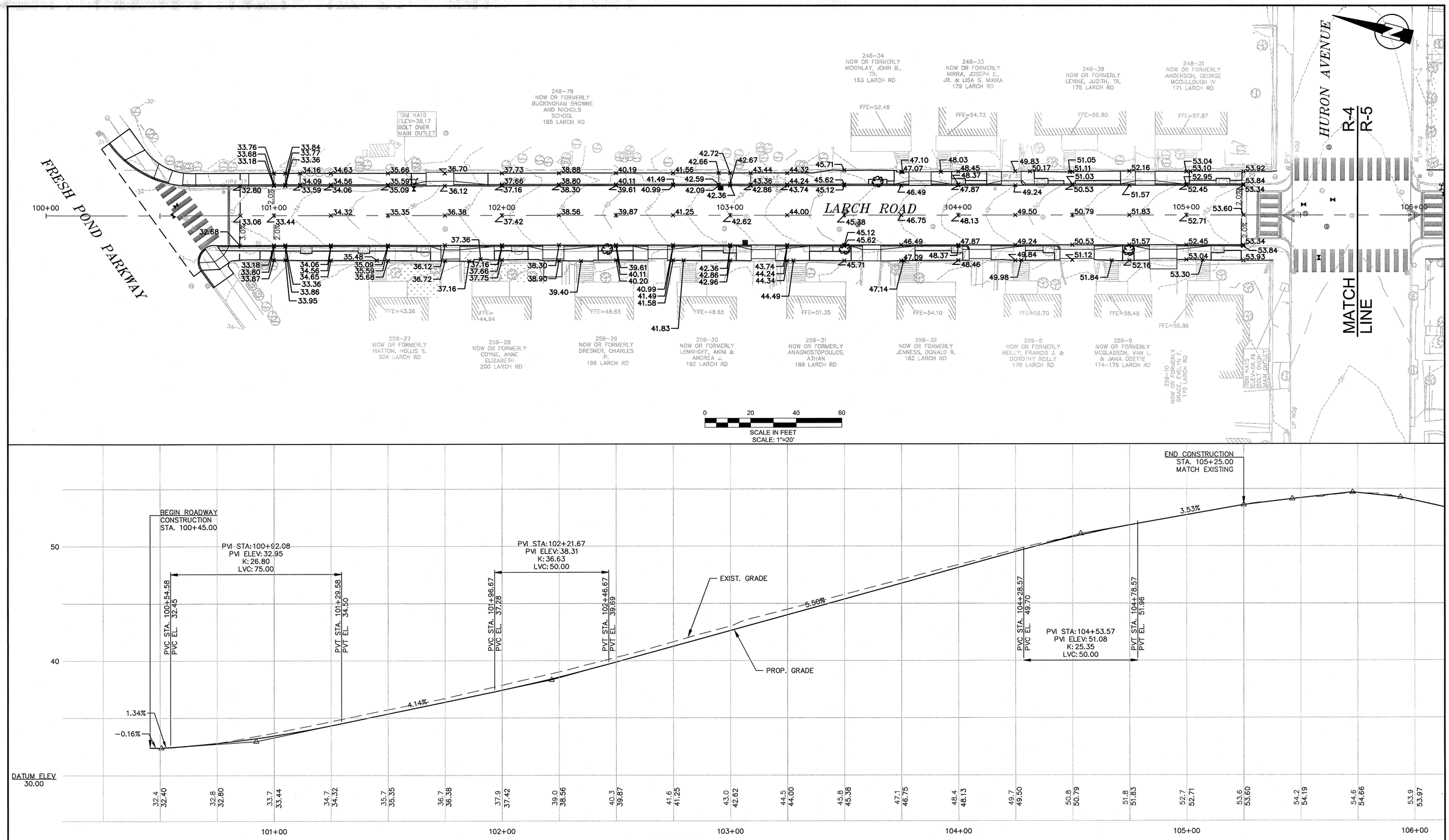
COMMONWEALTH OF MASSACHUSETTS JOHN T. STRUMSKI No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/13/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LARCH ROAD
Construction Plan STA 110+75 to 116+50
Sheet: R-3
File No.

PLOT DATE=9/4/2012 12:07:29 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg



PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30466 REGISTERED PROFESSIONAL ENGINEER 9/13/12

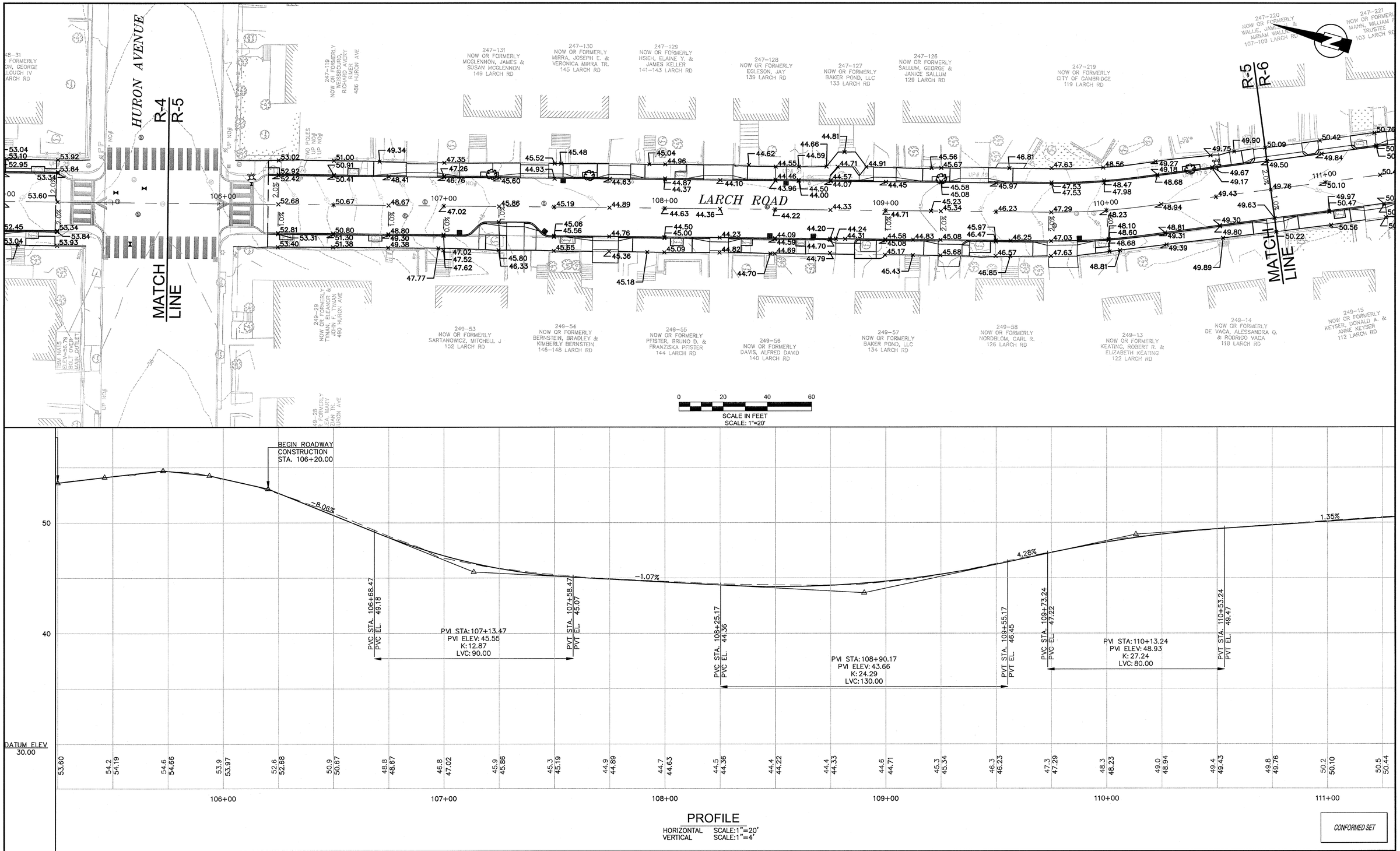
Scale	AS NOTED
Date	SEPTEMBER 2012
Job No.	2011010.01-A
Designed by	TAL/JL
Drawn by	TAL/JL
Checked by	CMC/BJM
Approved by	BJM

No.	Description	Date
	REVISIONS	

THE WORKS CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LARCH ROAD
Grading Plan STA 100+00 to 105+75
Sheet: R-4
File No.

PLOT DATE=9/4/2012 12:09:32 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg



PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/13/12

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

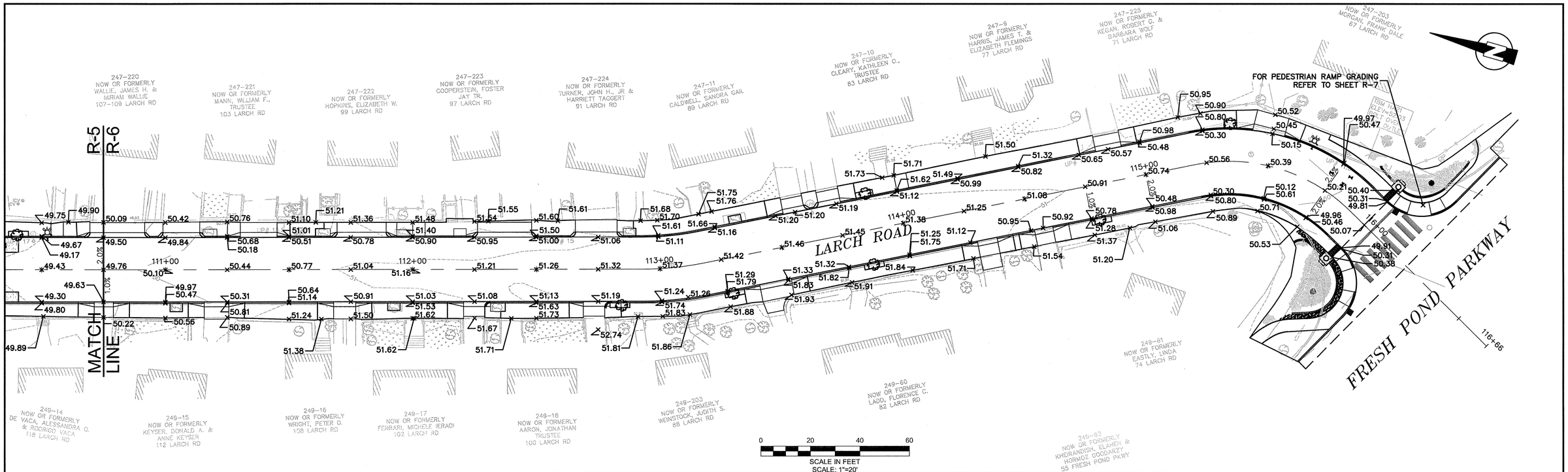
No.	Description	Date
	REVISIONS	

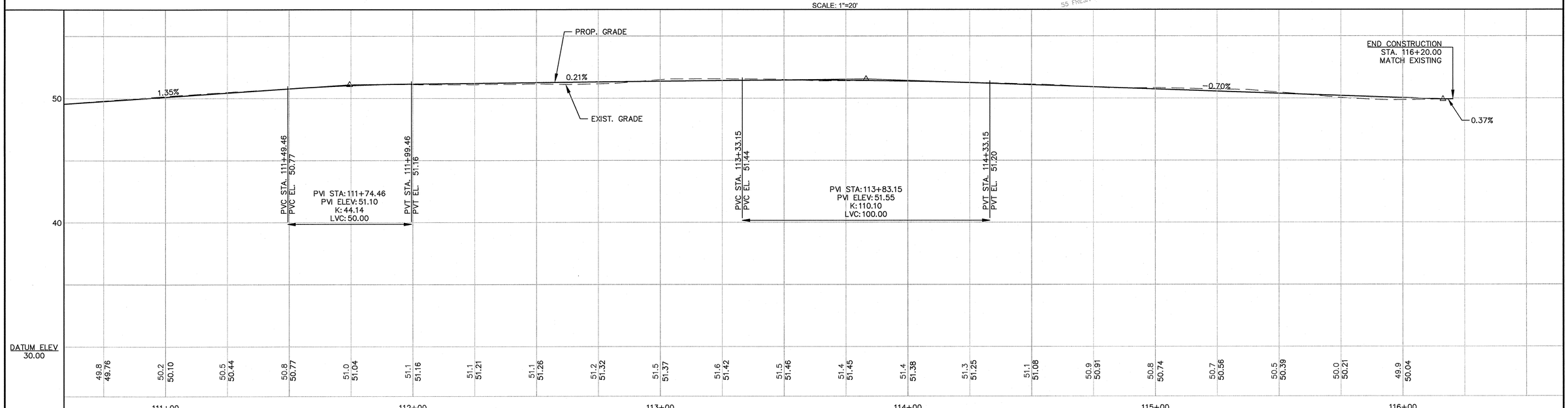
THE WORKS CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LARCH ROAD
Grading Plan STA 105+75 to 110+75

Sheet: R-5
File No.

PLOT DATE=9/4/2012 12:11:10 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg





PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30434 REGISTERED PROFESSIONAL ENGINEER 5/13/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

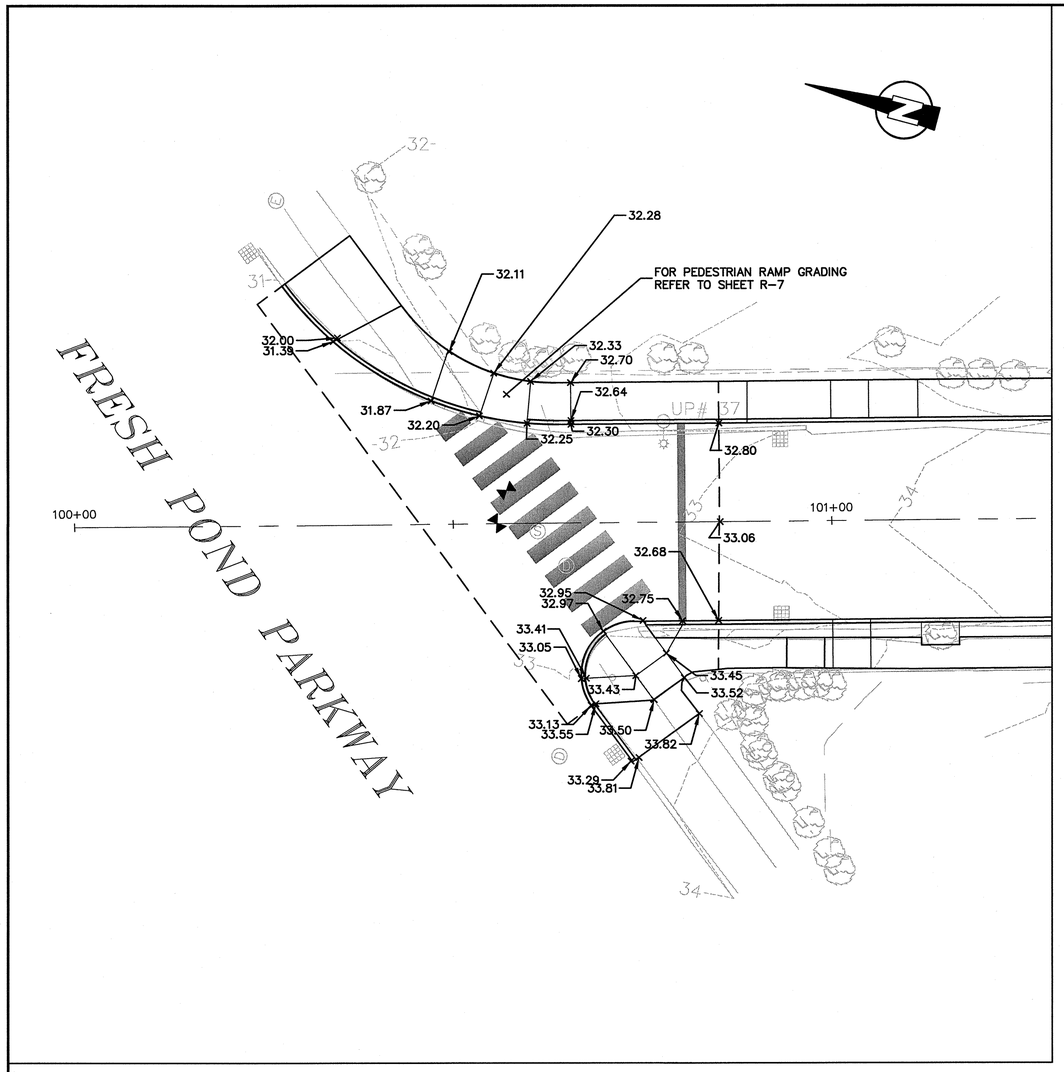
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - LARCH ROAD
Grading Plan STA 110+75 to 116+50

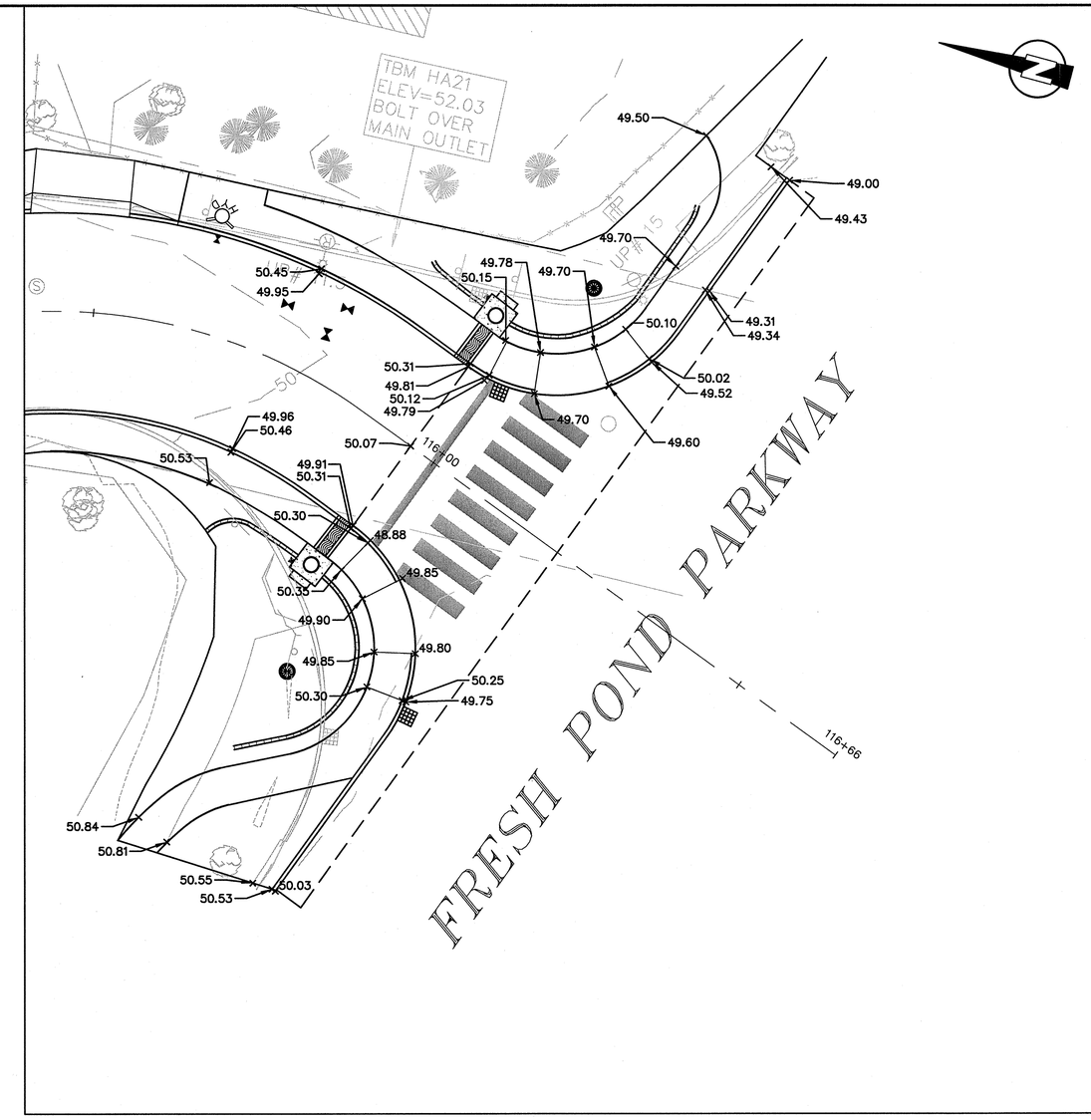
Sheet: R-6

File No.

PLOT DATE=6/4/2012 12:13:38 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg



INTERSECTION OF LARCH ROAD AND FRESH POND PARKWAY
NORTHERN LARCH



INTERSECTION OF LARCH ROAD AND FRESH POND PARKWAY
SOUTHERN LARCH

0 10 20 30
SCALE IN FEET
SCALE: 1"=10'

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS
JOHN J. STRUZZIERO No. 30434
PROFESSIONAL ENGINEER
9/13/12

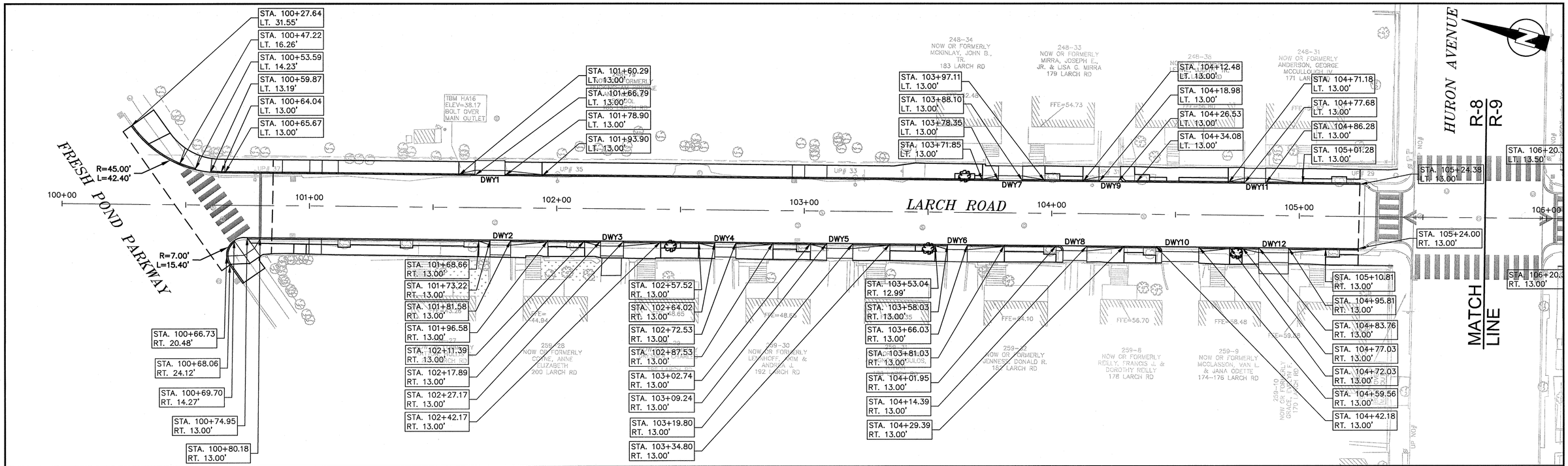
Scale	AS NOTED
Date	SEPTEMBER 2012
Job No.	2011010.01-A
Designed by	TAL/JL
Drawn by	TAL/JL
Checked by	CMC/BJM
Approved by	BJM

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LARCH ROAD
Intersection Grading
Sheet: R-7
File No.

PLOT DATE=9/4/2012 12:15:28 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg

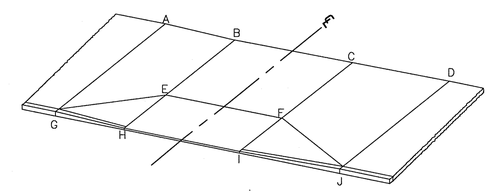


LARCH ROAD DRIVEWAY SCHEDULE

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
1	101+72.85	13.00	2.00	2.00	5.00	5.00	12.11	6.50	15.00	35.75	36.02	36.52	37.14	35.94	36.44	35.51	35.78	36.28	36.90
2	101+77.40	13.00	2.00	2.00	5.00	5.00	8.36	15.00	4.55	37.37	36.74	36.40	36.21	36.69	36.36	36.38	36.19	35.85	3.23
3	102+22.53	13.00	2.00	2.00	5.00	5.00	9.28	15.00	6.50	39.73	38.91	38.50	38.23	38.85	38.44	39.37	38.55	38.14	37.87
4	102+68.27	13.00	2.00	2.00	5.00	5.00	8.51	15.00	6.50	42.21	41.39	40.92	40.56	41.28	40.81	41.80	40.98	40.51	40.15
5	103+14.52	13.00	2.00	2.00	5.00	5.00	10.55	15.00	6.50	44.68	43.85	43.27	4.92	43.77	43.19	44.45	43.62	43.04	42.69
6	103+62.03	13.00	2.00	2.00	5.00	5.00	8.01	15.00	4.99	47.34	46.51	46.07	45.80	46.30	45.86	46.83	46.00	45.56	45.29
7	103+83.22	13.00	2.00	2.00	5.00	5.00	9.75	6.50	9.01	46.62	46.97	47.51	48.01	46.97	47.51	46.32	46.67	47.21	47.71
8	104+08.17	13.00	2.00	2.00	5.00	5.00	12.44	15.00	N/A	49.89	49.06	48.53	48.38	48.96	48.43	49.49	48.66	48.13	47.98
9	104+26.53	13.00	2.00	2.00	5.00	5.00	15.10	6.50	N/A	49.04	49.40	49.87	49.98	49.34	49.81	48.68	49.04	49.51	49.62
10	104+50.87	13.00	2.00	2.00	5.00	5.00	17.38	12.47	N/A	51.85	51.00	50.72	50.58	51.18	50.49	51.32	50.88	50.19	50.05
11	104+81.98	13.00	2.00	2.00	5.00	5.00	8.59	6.50	15.00	51.81	52.00	52.34	52.87	51.97	52.27	51.44	51.67	51.97	52.50
12	104+89.78	13.00	2.00	2.00	5.00	5.00	12.05	15.00	6.72	53.86	53.00	52.91	52.67	52.61	52.18	52.83	52.31	51.88	51.64

LARCH ROAD PEDESTRIAN RAMP SCHEDULE

PED #	LENGTH OF RAMP (FT)	WIDTH OF SIDEWALK* (FT)	WIDTH OF OPENING (FT)	TRANSITION LENGTH (FT)	
				LEFT SIDE	RIGHT SIDE
1	5.78	5.78	5.00	6.50	6.50
2	5.53	5.53	5.00	6.50	6.50



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERY No. 30434 REGISTERED PROFESSIONAL ENGINEER 5/18/12

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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

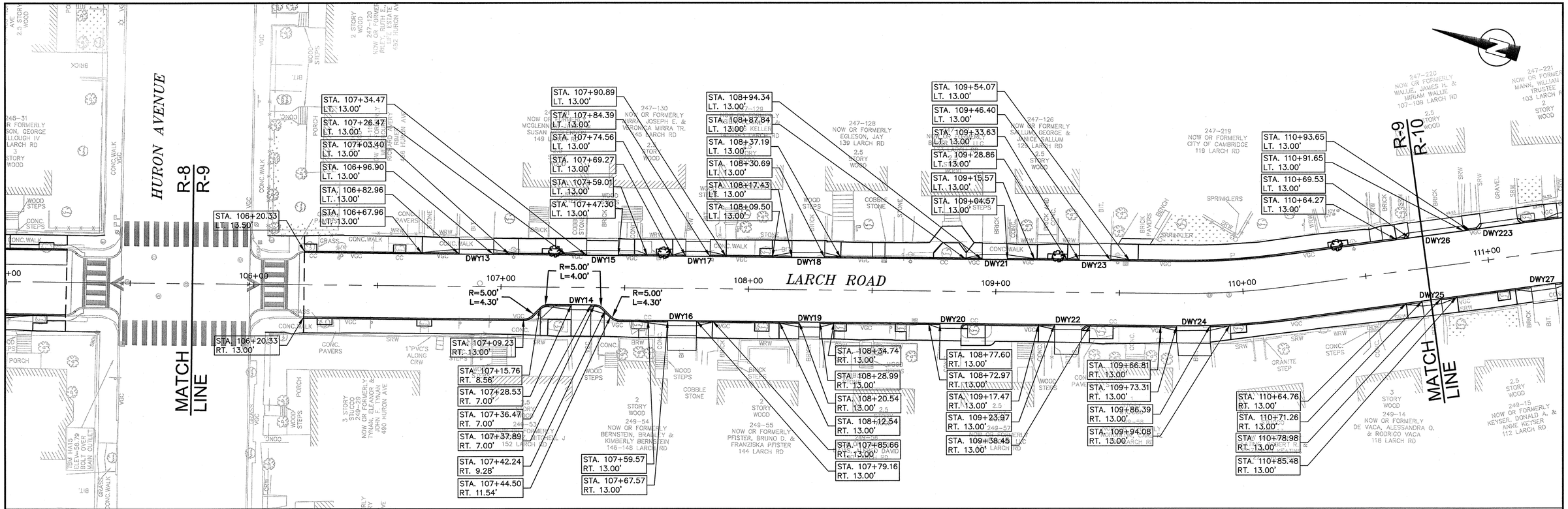
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - LARCH ROAD
Curb Tie Plan STA 100+00 to 105+75

Sheet: R-8

File No.

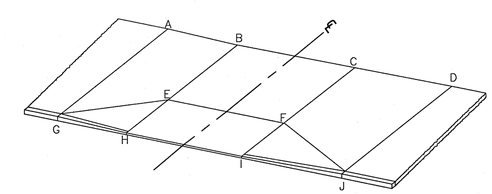
PLOT DATE=9/4/2012 12:16:15 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg



LARCH 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
13	106+89.93	13.00	2.00	2.00	5.00	5.00	13.94	15.00	6.50	49.61	48.20	46.88	45.93	48.13	46.81	49.29	47.88	46.56	45.61
14	107+32.50	7.00	2.00	2.00	5.00	5.00	7.93	6.23	12.54	45.84	45.90	45.97	46.09	45.73	45.80	45.38	45.44	45.51	45.63
15	107+40.89	13.00	2.00	2.00	5.00	5.00	12.83	8.00	6.50	45.50	45.38	45.26	45.20	45.30	45.18	45.14	45.02	44.90	44.84
16	107+73.36	13.00	2.00	2.00	5.00	5.00	11.59	6.50	11.72	45.19	45.25	45.36	45.48	45.17	45.28	44.81	44.87	44.98	45.10
17	107+79.47	13.00	2.00	2.00	5.00	5.00	9.83	5.29	6.50	44.88	44.83	44.74	44.67	44.75	44.66	44.57	44.52	44.43	44.36
18	108+24.06	13.00	2.00	2.00	5.00	5.00	13.26	7.93	6.50	44.66	44.58	44.45	44.39	44.50	44.37	44.32	44.24	44.11	44.05
19	108+24.76	13.00	2.00	2.00	5.00	5.00	8.46	5.75	8.00	44.31	44.36	44.44	44.52	44.29	44.37	44.20	44.25	44.33	44.41
20	108+78.68	13.00	2.00	2.00	5.00	5.00	20.23	N/A	4.62	44.53	44.44	44.53	44.58	44.42	44.51	N/A	N/A	44.41	44.46
21	108+99.95	13.00	2.00	2.00	5.00	5.00	10.29	6.50	11.00	45.10	44.86	45.08	45.62	44.79	45.00	44.44	44.49	44.70	45.25
22	109+29.07	13.00	2.00	2.00	5.00	5.00	14.49	N/A	6.50	45.70	45.55	45.09	44.81	45.52	45.06	45.61	N/A	45.00	44.72
23	109+40.01	13.00	2.00	2.00	5.00	5.00	12.77	4.77	11.00	45.40	45.60	46.14	46.47	45.52	46.06	45.14	45.34	45.88	46.21
24	109+79.86	13.00	2.00	2.00	5.00	5.00	13.62	8.02	6.50	48.36	48.00	47.42	47.14	47.93	47.35	47.99	47.63	47.05	46.77
25	110+75.12	13.00	2.00	2.00	5.00	5.00	7.72	6.50	6.50	50.15	50.06	49.96	49.87	49.98	49.88	49.77	49.68	49.58	49.49
26	110+80.59	13.00	2.00	2.00	5.00	5.00	22.12	5.26	3.00	49.58	49.66	49.95	N/A	49.60	49.89	49.35	N/A	N/A	N/A

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30438 REGISTERED PROFESSIONAL ENGINEER 5/13/12

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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

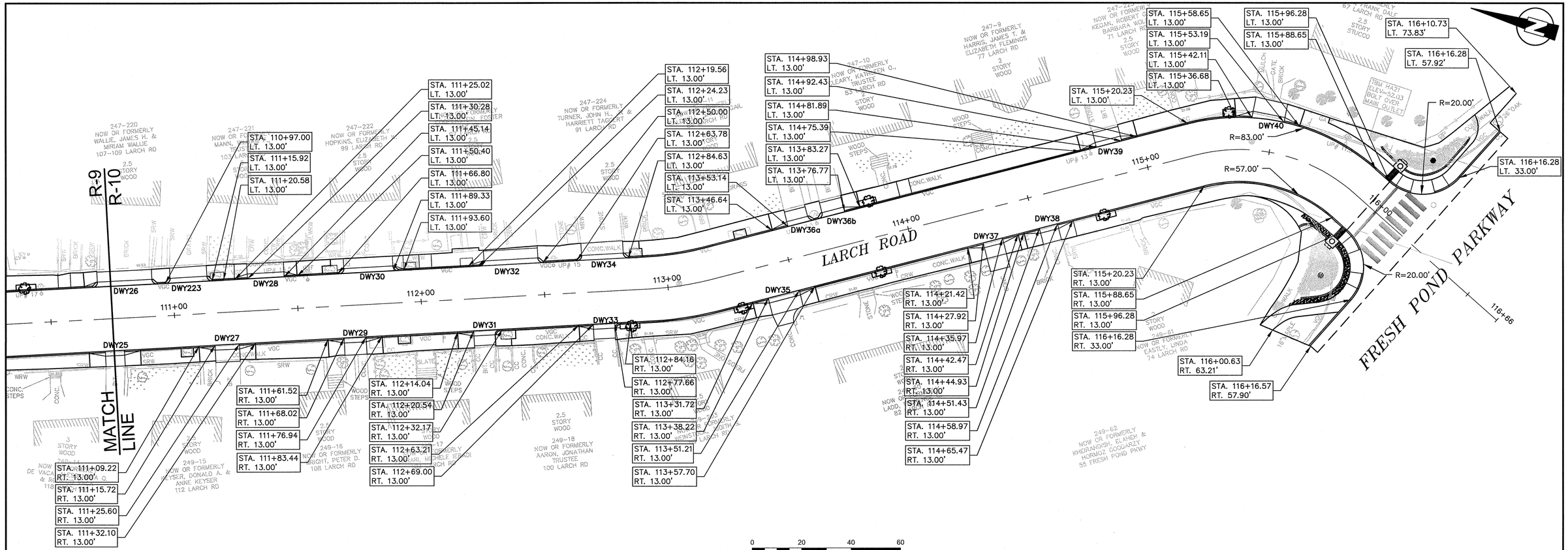
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - LARCH ROAD
Curb Tie Plan STA 105+75 to 110+75

Sheet: R-9

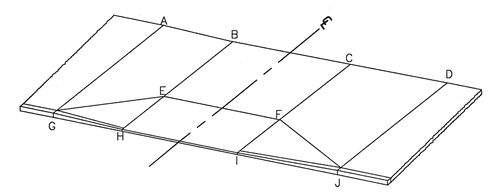
File No.

PLOT DATE=9/4/2012 12:17:46 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg



LARCH 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
223	111+06.46	13.00	2.00	2.00	5.00	5.00	18.92	N/A	N/A	N/A	50.21	50.41	N/A	50.13	50.33	N/A	N/A	N/A	N/A
27	111+20.66	13.00	2.00	2.00	5.00	5.00	9.88	6.50	6.50	50.77	50.69	50.55	50.46	50.62	50.48	50.40	50.32	50.18	50.09
28	111+37.71	13.00	2.00	2.00	5.00	5.00	14.86	5.26	5.26	50.55	50.62	50.82	50.89	50.55	50.75	50.18	50.25	50.45	50.52
29	111+72.48	13.00	2.00	2.00	5.00	5.00	8.91	6.50	6.50	51.27	51.26	51.20	51.13	51.18	51.12	50.89	50.88	50.82	50.75
30	111+78.23	13.00	2.00	2.00	5.00	5.00	22.20	N/A	4.28	50.83	50.92	51.02	51.03	50.84	50.94	50.62	N/A	N/A	50.82
31	112+26.35	13.00	2.00	2.00	5.00	5.00	11.56	N/A	6.50	51.42	51.41	51.39	51.38	51.34	51.32	51.10	N/A	51.07	51.06
32	112+37.17	7.00	2.00	2.00	5.00	5.00	21.88	9.07	7.66	51.14	51.16	51.20	N/A	51.08	51.12	50.94	N/A	N/A	N/A
33	112+74.46	13.00	2.00	2.00	5.00	5.00	10.93	N/A	5.78	51.43	51.42	51.40	51.39	51.35	51.33	51.21	51.20	51.18	51.17
34	112+75.31	13.00	2.00	2.00	5.00	5.00	19.06	6.21	N/A	N/A	51.27	51.31	51.33	0.20	51.24	N/A	N/A	N/A	51.09
35	113+44.72	13.00	2.00	2.00	5.00	5.00	12.99	6.49	6.50	51.73	51.72	51.69	51.68	51.64	51.61	51.35	51.34	51.31	51.30
36A	113+64.95	13.00	2.00	2.00	5.00	5.00	10.83	6.50	N/A	51.56	51.57	51.59	N/A	51.49	51.51	51.18	51.19	N/A	51.21
36B	113+71.28	13.00	2.00	2.00	5.00	5.00	10.97	N/A	6.50	N/A	51.45	51.47	51.49	51.38	51.40	51.17	N/A	51.19	51.21
37	114+31.94	13.00	2.00	2.00	5.00	5.00	8.04	6.50	6.50	51.38	51.42	51.48	51.52	51.35	51.41	51.01	51.05	51.11	51.15
38	114+55.20	13.00	2.00	2.00	5.00	5.00	7.54	6.50	6.50	51.22	51.26	51.32	51.36	51.19	51.25	50.85	50.89	50.95	50.99
39	114+87.16	13.00	2.00	2.00	5.00	5.00	10.54	6.50	6.50	51.02	50.98	50.90	50.86	50.91	50.83	50.65	50.61	50.53	50.49
40	115+47.65	13.00	2.00	2.00	5.00	5.00	13.12	6.44	6.48	50.70	50.64	50.54	50.49	50.58	50.48	50.34	50.28	50.18	50.13



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/13/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

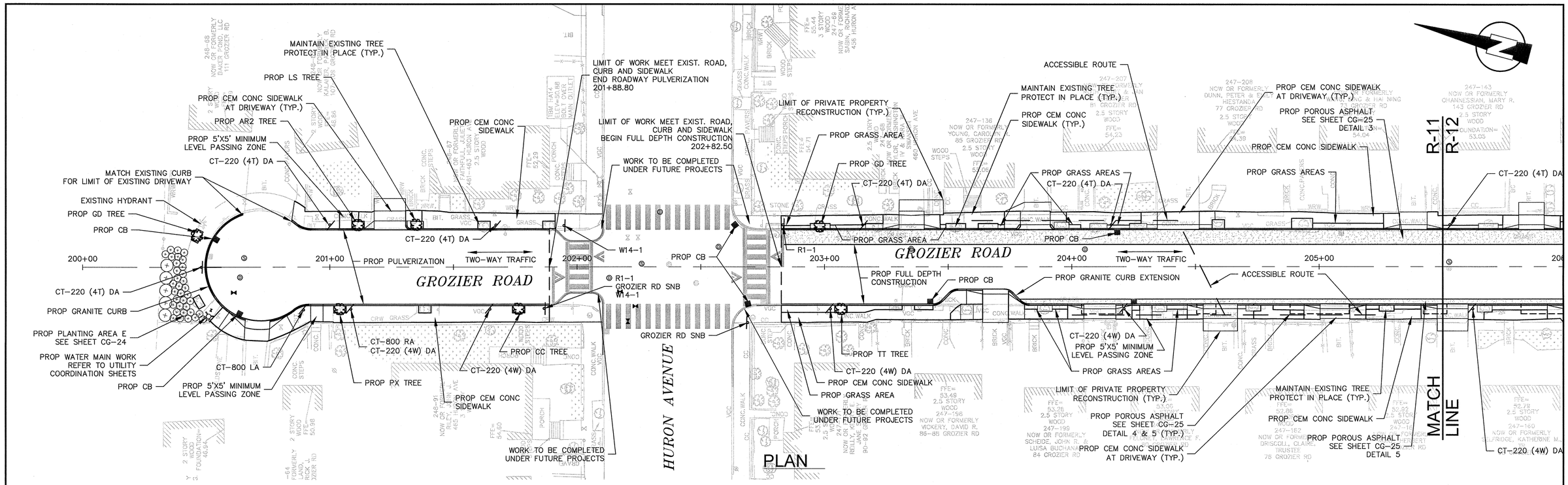
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

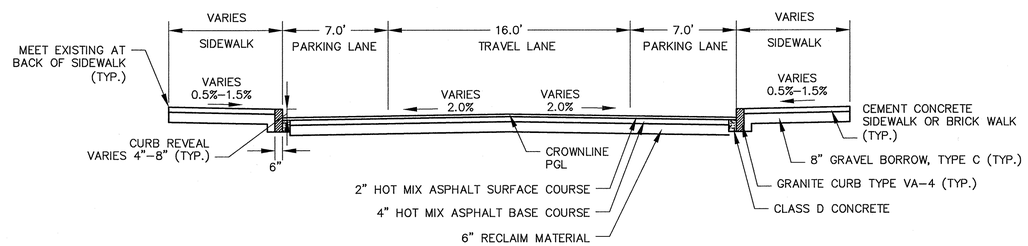
Drawing: ROADWAY - LARCH ROAD
Curb Tie Plan STA 110+75 to 116+50

Sheet: R-10

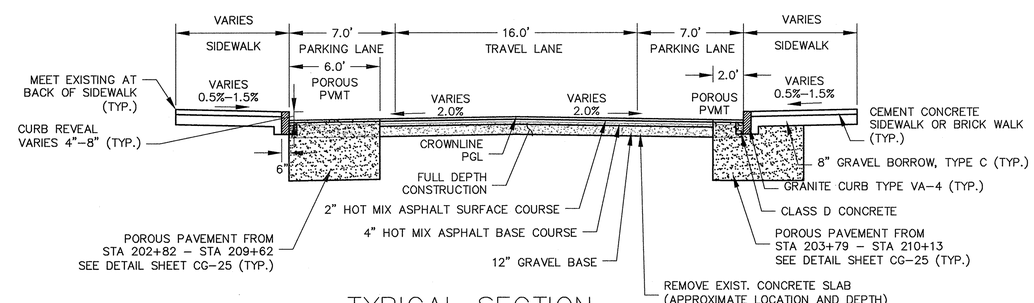
File No.

PLOT DATE=9/4/2012 12:19:17 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Larch - (Conformed).dwg





TYPICAL SECTION
GROZIER ROAD
STA 200+00 to 201+89
SCALE: N.T.S.



TYPICAL SECTION
GROZIER ROAD
STA 202+82 to 214+32
SCALE: N.T.S.

PEDESTRIAN NOTES:

1. WORK IN GROZIER 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 SHALL BE MAINTAINED 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.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 34434 REGISTERED PROFESSIONAL ENGINEER 9/13/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

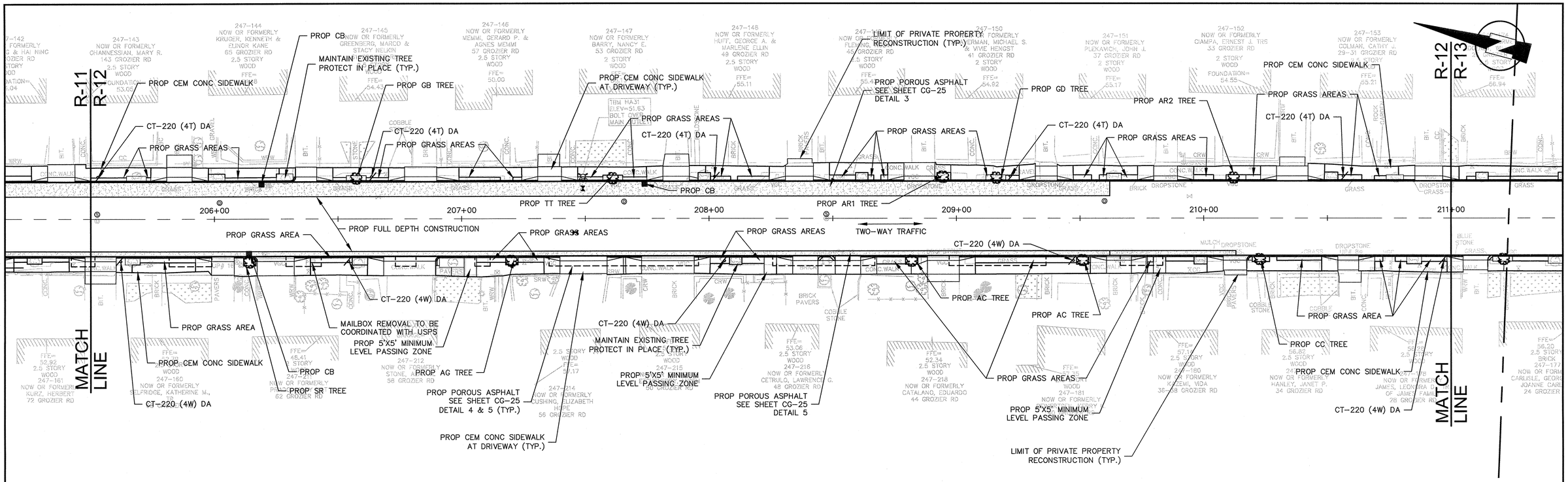
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - GROZIER ROAD
Construction Plan STA 200+00 to 205+50

Sheet: R-11

File No.

PLOT DATE=9/4/2012 9:38:33 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg

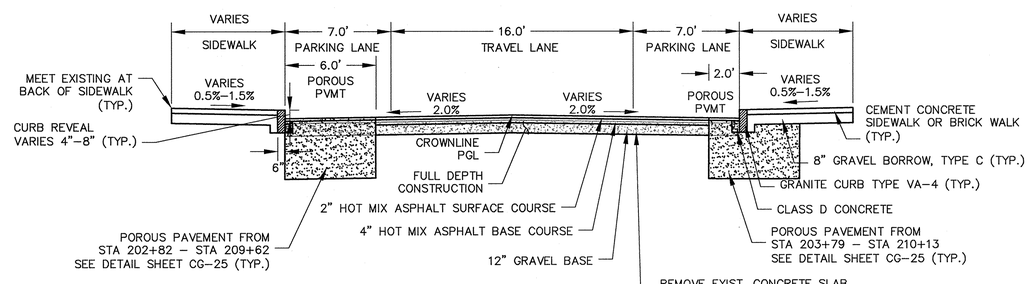


PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK IN GROZIER 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 SHALL BE MAINTAINED 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 CLEARNCE 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

GROZIER ROAD
STA 202+82 to 214+32
SCALE: N.T.S.

CONFORMED SET

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

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

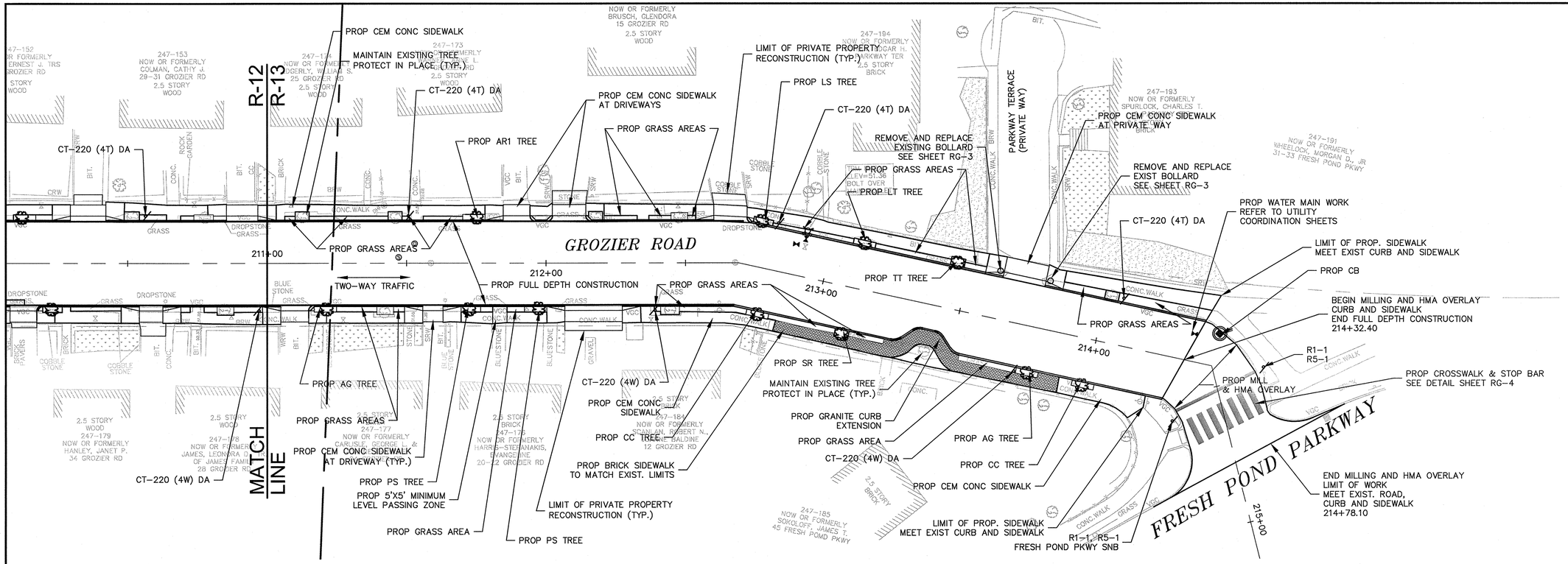
COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/11/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - GROZIER ROAD
Construction Plan STA 205+50 to 211+00
Sheet: R-12
File No.

PLOT DATE=9/4/2012 9:42:40 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg

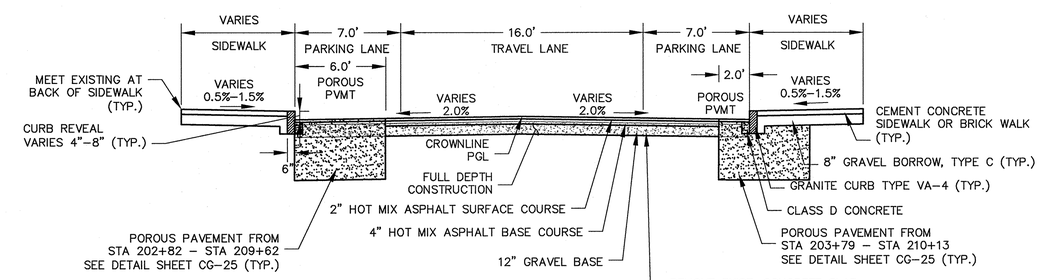


PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK IN GROZIER 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 SHALL BE MAINTAINED 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

GROZIER ROAD
STA 202+82 to 214+32
SCALE: N.T.S.

CONFORMED SET

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

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

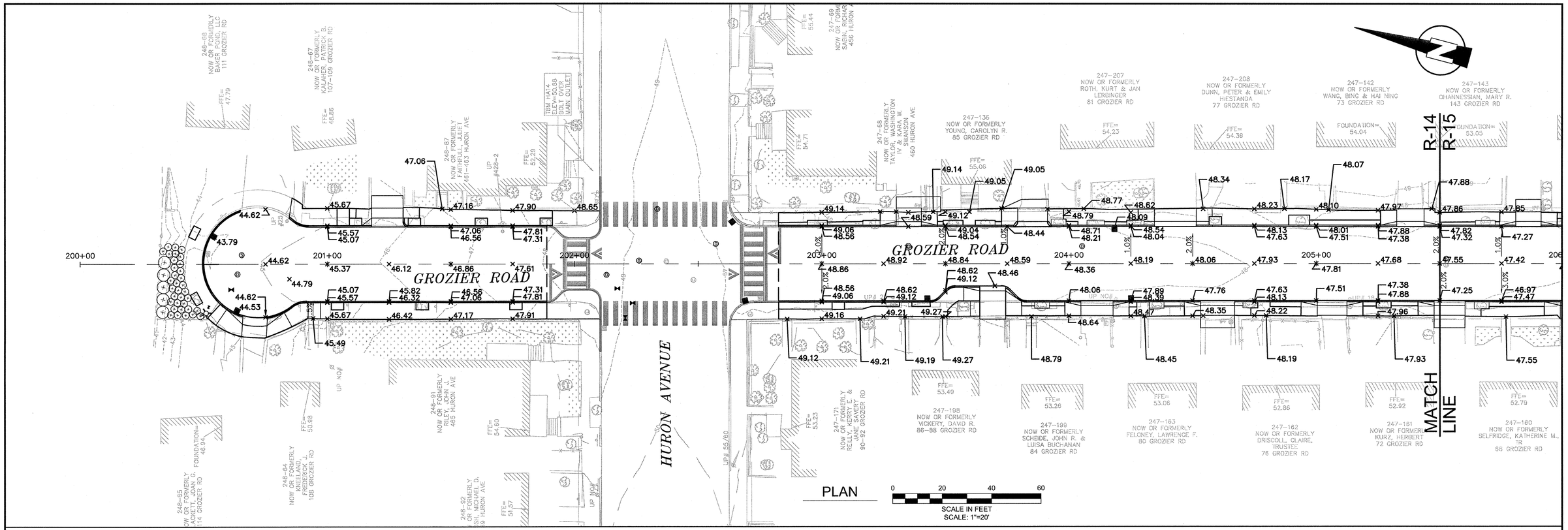
COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERO No. 30434 REGISTERED PROFESSIONAL ENGINEER 5/31/12

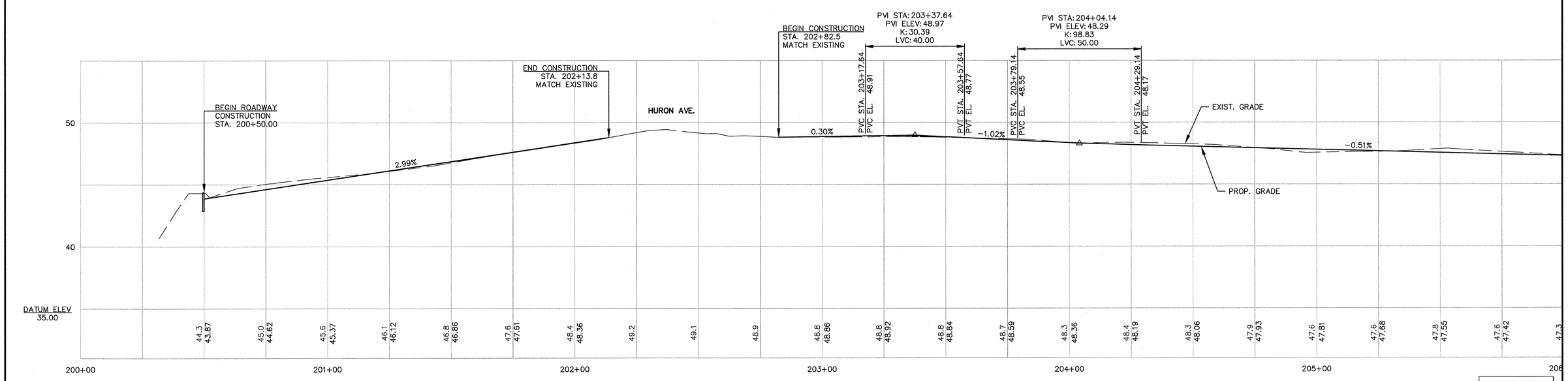
Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - GROZIER ROAD
Construction Plan STA 211+00 to 214+00
Sheet: R-13
File No.

PLOT DATE=9/4/2012 9:45:33 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg





PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30434 PROFESSIONAL ENGINEER 9/13/12

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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

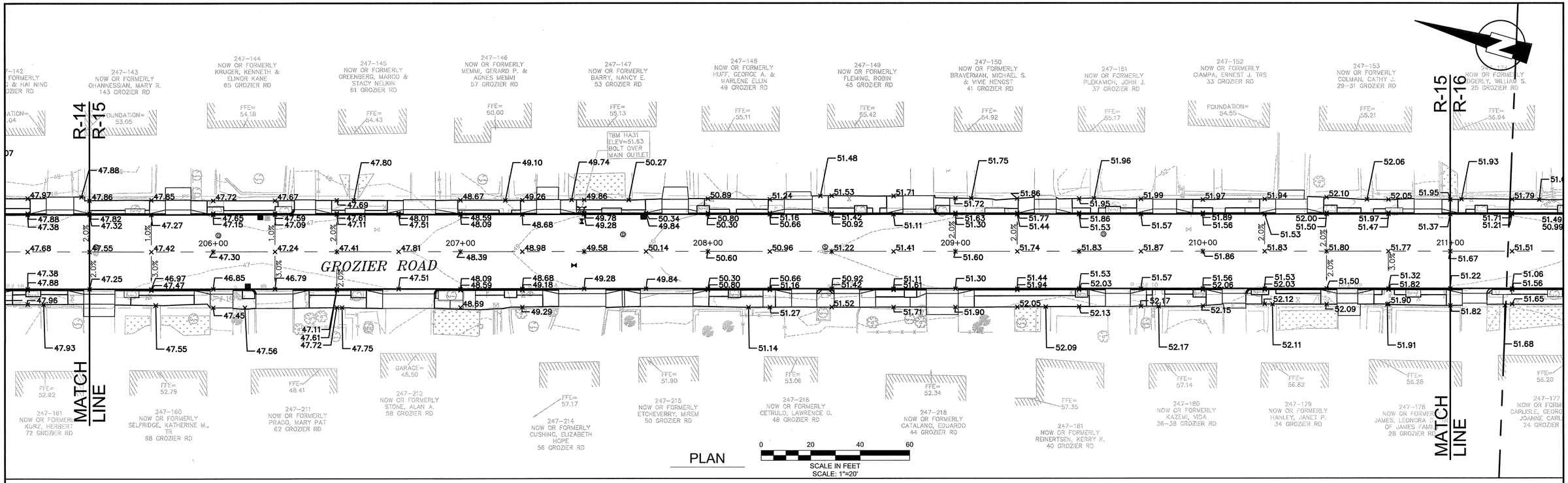
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - GROZIER ROAD
Grading Plan STA 200+00 to 205+50

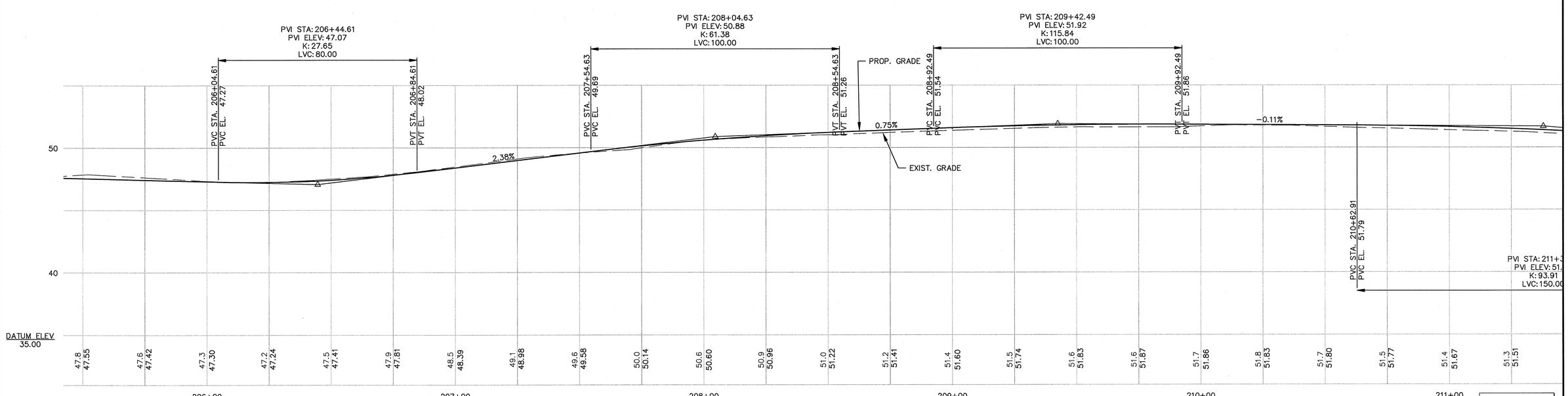
Sheet: R-14

File No.

PLOT DATE=9/4/2012 9:48:06 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg



PLAN



PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS
JOHN J. STRUZZIERI
No. 30436
REGISTERED PROFESSIONAL ENGINEER
9/13/12

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

No.	Description	Date
	REVISIONS	

THE WORKS
CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

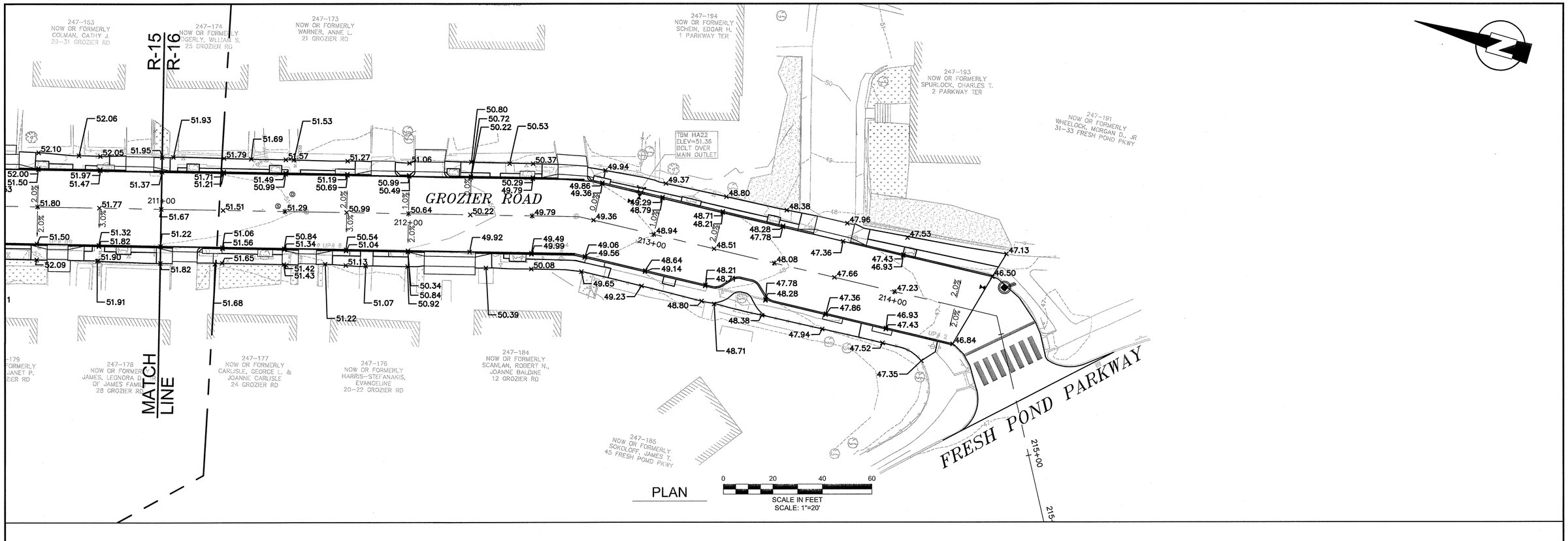
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - GROZIER ROAD
Grading Plan STA 205+50 to 211+00

Sheet: R-15

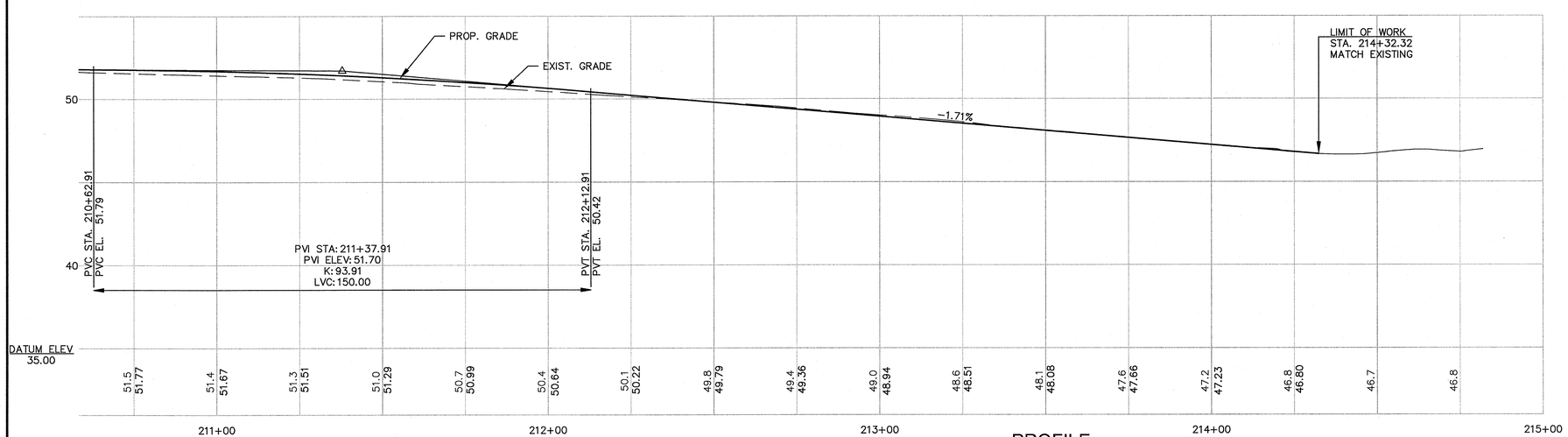
File No.

PLOT DATE=9/4/2012 9:49:33 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg



PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'



PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS
JOHN J. STRUZZIERI
No. 30434
REGISTERED PROFESSIONAL ENGINEER
9/13/12

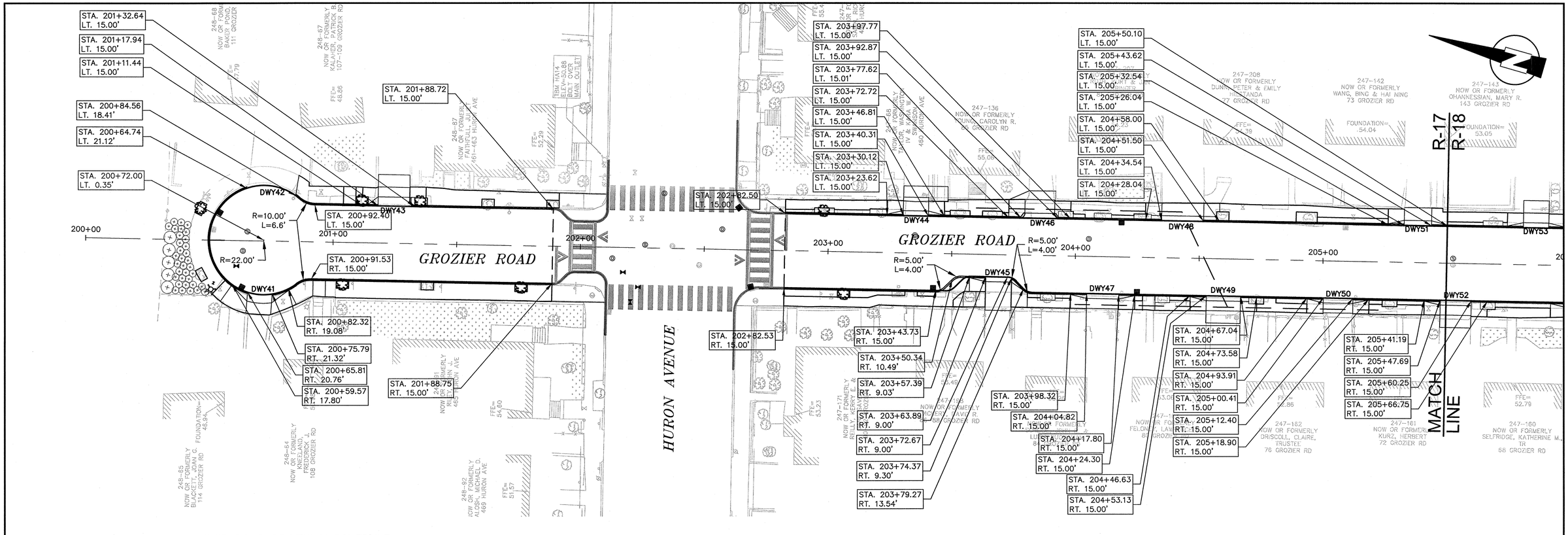
Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - GROZIER ROAD
Grading Plan STA 211+00 to 214+00

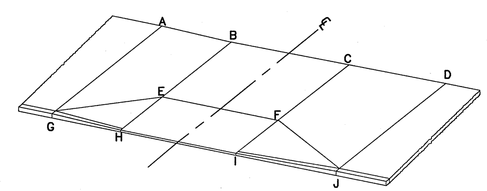
Sheet: R-16
File No.

PLOT DATE=9/4/2012 10:04:43 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg



GROZIER 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
41	200+70.93	21.15	3.60	3.84	4.83	4.62	9.08	6.73	6.46	45.03	44.81	44.54	44.32	44.71	44.44	44.63	44.41	44.14	43.92
42	200+73.89	20.51	4.02	3.62	4.20	4.00	17.21	6.51	8.02	44.07	44.29	44.84	45.06	44.20	44.75	43.68	43.90	44.45	44.67
43	201+25.29	15.00	3.57	3.76	4.00	4.00	14.70	6.50	N/A	46.09	46.21	46.59	46.65	46.15	46.53	45.49	45.61		
44	203+35.22	15.00	1.92	1.75	4.00	4.00	10.19	6.50	6.50	48.92	48.94	48.90	48.83	48.88	48.84	48.56	48.58	4.54	48.47
45	203+69.13	15.00	1.70	2.00	10.50	10.50	10.48	8.38	6.50	44.31	44.39	44.49	44.56	48.72	48.82	48.34	48.42	48.52	48.59
46	203+86.83	15.00	2.01	2.07	4.00	4.00	12.07	6.50	N/A	48.72	48.65	48.55	48.53	48.59	48.49	48.36	48.29		
47	204+11.31	15.00	2.21	2.11	4.00	4.00	12.98	6.50	6.50	48.28	48.31	48.38	48.48	48.25	48.32	47.92	47.95	48.02	48.12
48	204+43.02	15.00	2.45	3.10	4.00	4.00	16.96	6.50	6.50	48.43	48.44	48.35	48.32	48.34	48.25	47.82	47.83	47.74	47.71
49	204+60.08	15.00	1.98	2.13	4.00	4.00	13.91	6.50	6.50	48.00	48.03	48.11	48.14	47.97	48.05	47.64	47.67	47.75	47.78
50	205+06.40	15.00	2.20	2.27	4.00	4.00	11.99	6.50	6.50	47.76	47.80	47.86	47.89	47.74	47.80	47.40	47.44	47.50	47.53
51	205+38.08	15.00	2.61	3.18	4.00	4.00	11.08	6.50	6.48	47.73	47.70	47.64	47.61	47.64	47.58	47.37	47.34	47.28	47.25
52	205+53.97	15.00	2.33	2.02	4.00	4.00	12.56	6.50	6.50	47.49	47.52	47.59	47.62	47.46	47.53	47.13	47.16	47.23	47.26



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30459 REGISTERED PROFESSIONAL ENGINEER 5/13/12

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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

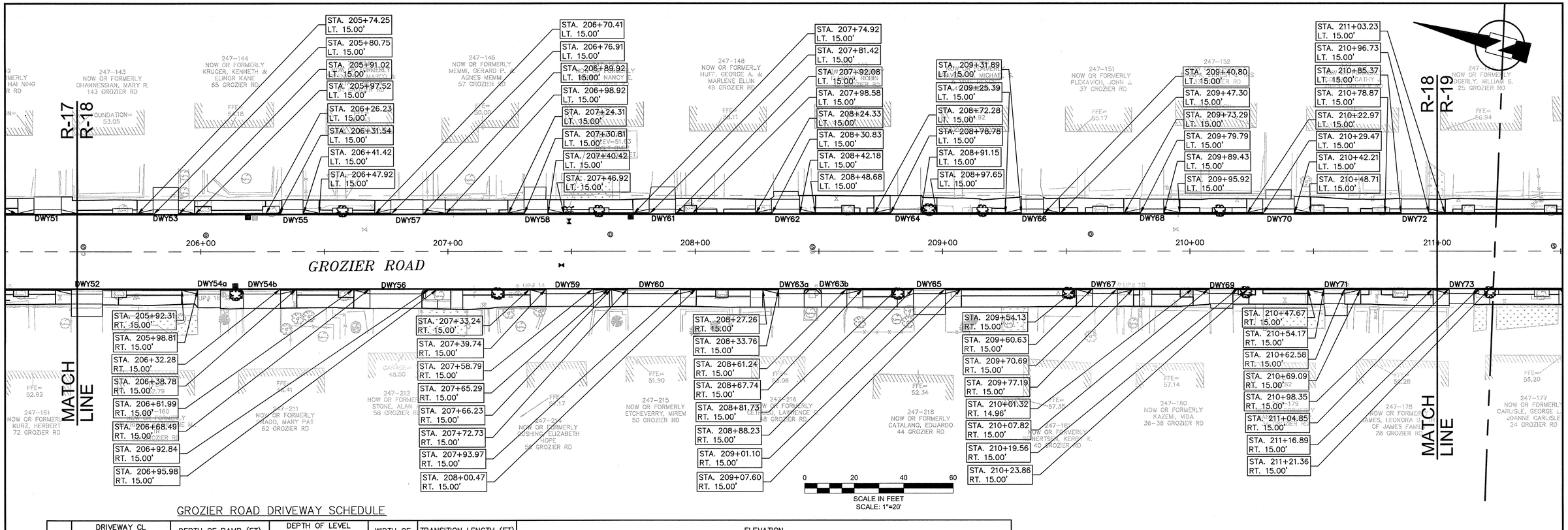
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - GROZIER ROAD
Curb Tie Plan STA 200+00 to 205+50

Sheet: R-17

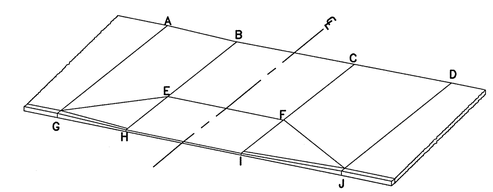
File No.

PLOT DATE=9/4/2012 10:06:00 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg



GROZIER 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
53	205+85.86	15.00	1.84	1.75	4.00	4.00	10.27	6.50	6.50	47.64	47.61	47.55	47.50	47.55	47.49	47.28	47.25	47.19	47.16
54	206+15.54	15.00	3.79	3.50	4.00	4.00	33.47	6.50	6.50	47.08	47.11	47.34	47.37	47.05	47.28	46.72	46.75	46.98	47.01
55	206+36.48	15.00	1.67	1.74	4.00	4.00	9.88	N/A	6.50	47.49	47.48	47.44	47.72	47.42	47.38	47.13	47.12	47.08	47.36
56	206+80.66	15.00	3.81	3.87	4.00	4.00	24.35	N/A	6.50	48.16	48.01	47.52	47.36	47.95	47.46	48.00	47.85	47.36	47.20
57	206+83.42	15.00	1.59	1.70	4.00	4.00	13.01	6.50	9.00	47.39	47.55	47.86	48.07	47.82	48.16	47.75	47.91	48.22	48.43
58	207+35.61	15.00	1.77	1.83	4.00	4.00	9.61	6.50	6.50	50.00	49.85	49.40	49.24	49.79	49.34	49.64	49.49	49.04	48.88
59	207+49.26	15.00	3.55	3.15	4.00	4.00	19.05	6.50	6.50	50.81	50.65	50.15	49.99	50.59	50.09	50.45	50.29	49.79	49.63
60	207+83.35	15.00	3.05	3.18	4.00	4.00	21.24	6.50	6.50	50.14	50.29	50.54	50.70	50.24	50.48	49.78	49.93	50.18	50.34
61	207+86.75	15.00	2.19	2.34	4.00	4.00	10.66	6.50	6.50	51.07	51.12	51.20	51.24	51.06	51.14	50.71	50.76	50.84	50.88
62	208+36.50	15.00	2.41	2.41	4.02	5.02	11.35	6.50	6.50	51.22	51.20	51.13	51.08	51.14	51.07	50.86	50.84	50.77	50.72
63	208+47.50	15.00	3.50	3.48	4.00	4.00	27.48	6.50	6.50	51.42	51.37	51.13	51.08	51.31	51.07	51.07	51.02	50.77	50.72
64	208+84.97	15.00	3.44	3.53	4.00	4.00	12.36	6.50	6.50										
65	208+94.66	15.00	3.51	3.48	4.00	4.00	12.87	6.50	6.50	51.71	51.66	51.57	51.52	51.60	51.51	51.35	51.30	51.21	51.16
66	209+36.34	15.00	3.08	2.72	4.00	4.00	8.91	6.50	6.50	51.61	51.66	51.73	51.68	51.60	51.67	51.25	51.30	51.37	51.32
67	209+65.66	15.00	3.30	3.26	4.00	4.00	10.06	6.50	6.50	51.91	51.91	51.93	51.93	51.85	51.87	51.55	51.55	51.57	51.57
68	209+84.61	15.00	2.24	1.99	4.00	4.00	9.64	6.50	6.50	51.88	51.88	51.87	51.86	51.81	51.81	51.52	51.52	51.51	51.50
69	210+13.69	15.00	2.32	2.37	4.00	4.00	11.75	N/A	6.50	51.89	51.90	51.91	51.91	51.84	51.85	51.53	51.54	51.55	51.55
70	210+35.84	15.00	2.07	2.07	4.01	5.03	12.74	6.51	6.50	51.80	51.80	51.78	51.78	51.73	51.72	51.44	51.44	51.42	51.42
71	210+58.38	15.00	2.35	2.41	4.00	4.00	8.41	6.50	6.50	51.84	51.84	51.85	51.86	51.78	51.79	51.48	51.48	51.49	51.50
72	210+91.05	15.00	2.24	1.91	4.00	4.00	11.36	6.50	6.50	51.78	51.78	51.76	51.76	51.71	51.70	51.42	51.42	51.40	51.40
73	211+10.87	15.00	2.47	2.84	4.00	4.00	12.05	N/A	6.50	51.51	51.51	51.53	51.53	51.45	51.47	51.15	51.15	51.17	51.17



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERY No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/3/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

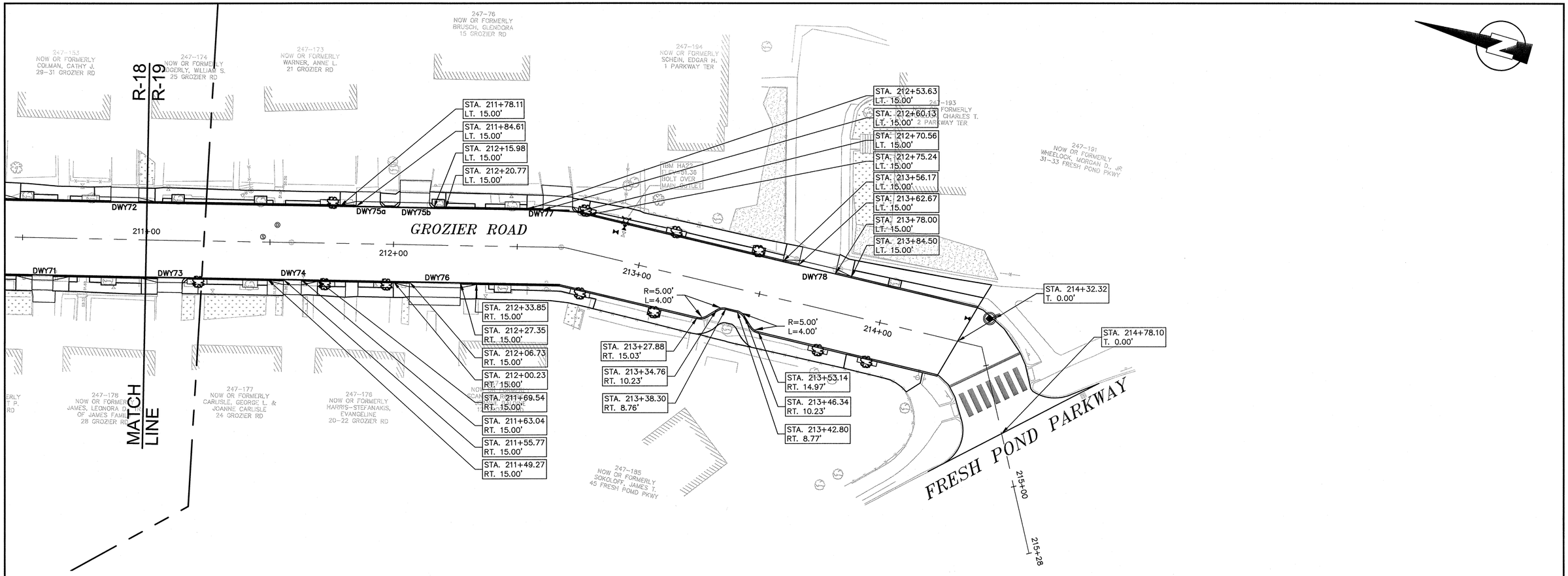
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - GROZIER ROAD
Curb Tie Plan STA 205+50 to 211+00

Sheet: R-18

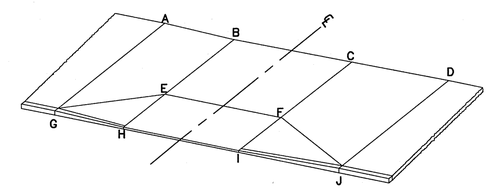
File No.

PLOT DATE=9/4/2012 10:08:10 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg



GROZIER 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
74	211+59.40	15.00	2.16	2.46	4.00	4.00	7.27	6.50	6.50	51.07	51.08	51.08	51.09	51.02	51.02	50.71	50.72	50.72	50.73
75	212+00.29	15.00	1.69	2.45	4.00	4.00	31.37	6.50	N/A	51.13	51.02	50.51	50.40	50.94	50.45	50.77	50.66	50.15	50.04
76	212+17.04	15.00	2.44	1.95	4.00	4.00	20.63	6.50	6.50	50.13	50.24	50.59	50.70	50.18	50.53	49.77	49.88	50.23	50.34
77	212+66.93	14.66	1.94	1.61	4.00	4.01	13.41	6.50	N/A	50.09	49.98	49.78	49.73	49.89	49.72	49.73	49.62	49.42	49.37
78	213+70.34	15.00	3.52	4.05	4.00	4.00	15.33	6.50	6.50	48.04	47.93	47.66	47.55	47.81	47.60	47.68	47.57	47.30	47.19



TYPICAL DRIVEWAY LEGEND

SCALE: N.T.S.

0 20 40 60

SCALE IN FEET
SCALE: 1"=20'

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS
JOHN J. STRUZZIERO
No. 30434
REGISTERED PROFESSIONAL ENGINEER
5/13/12

Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	20110 10.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

THE WORKS
CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

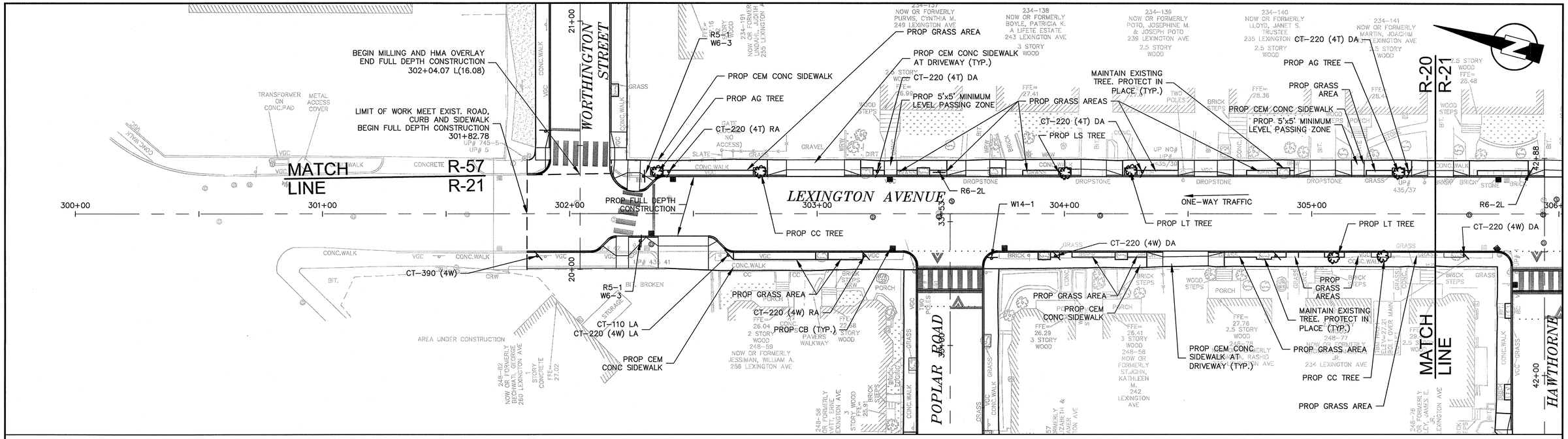
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A

Drawing: ROADWAY - GROZIER ROAD
Curb Tie Plan 211+00 to 216+00

Sheet: R-19

File No.

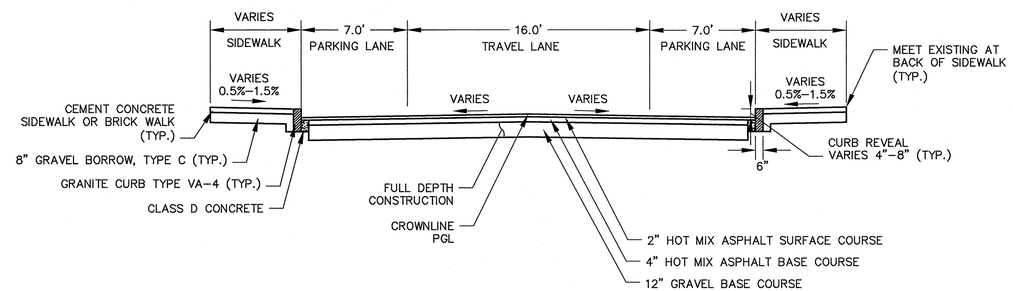
PLOT DATE=9/4/2012 10:09:01 AM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Grozier - (Conformed).dwg



0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK ON LEXINGTON AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEETS 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. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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
LEXINGTON AVENUE
STA 301+82 to 310+00
SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS
JOHN J. STRUZZIERO
No. 30434
REGISTERED PROFESSIONAL ENGINEER
9/13/12

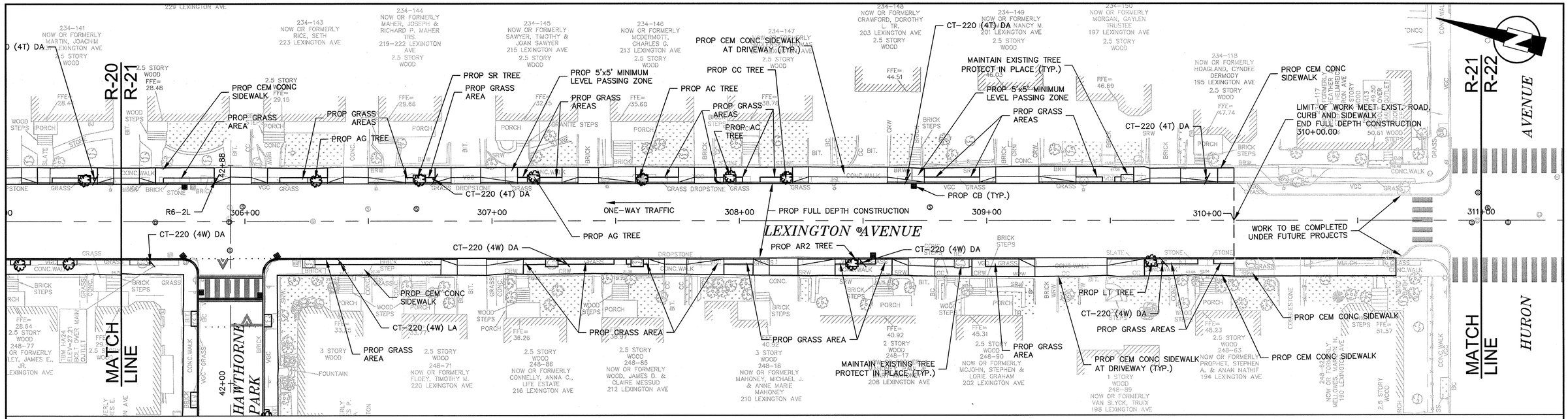
Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM	REVISIONS		

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LEXINGTON AVENUE
Construction Plan STA 300+50 to 305+50

Sheet: R-20
File No.

PLOT DATE=9/4/2012 12:28:11 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Lexington - (Conformed).dwg

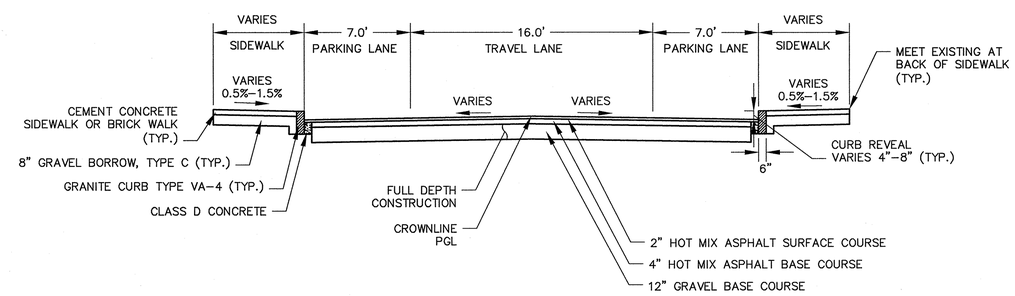


0 20 40 60

SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK ON LEXINGTON AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEETS 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. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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
LEXINGTON AVENUE
STA 301+82 to 310+00
SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30343 REGISTERED PROFESSIONAL ENGINEER 9/13/12

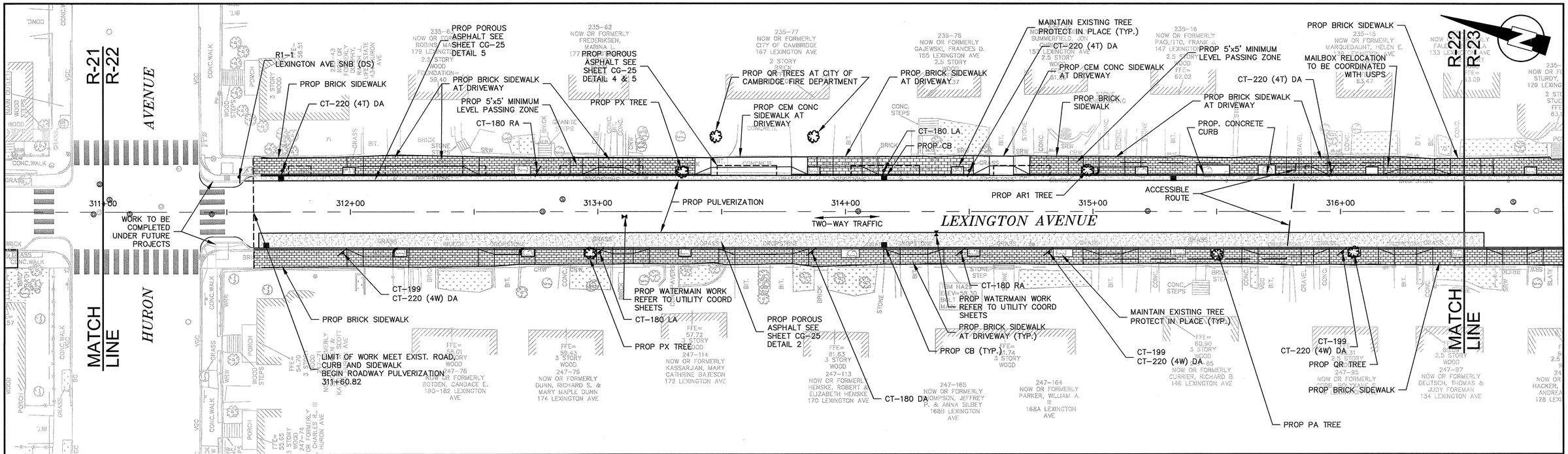
Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LEXINGTON AVENUE
Construction Plan STA 305+50 to 311+00

Sheet: R-21
File No.

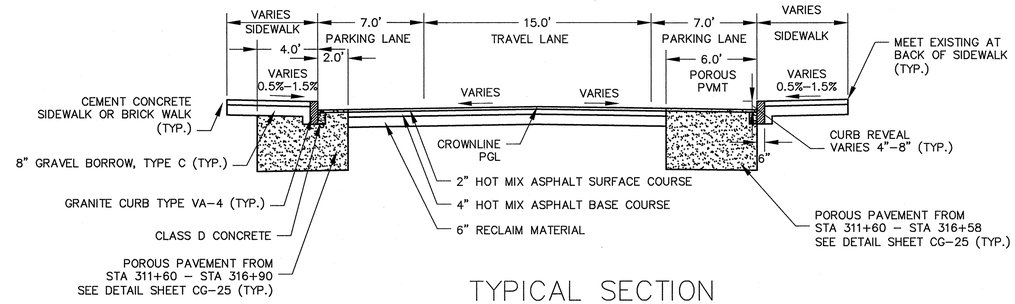
PLOT DATE=9/4/2012 12:33:48 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Lexington - (Conformed).dwg



0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

PEDESTRIAN NOTES:

1. WORK ON LEXINGTON AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEETS 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. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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
LEXINGTON AVENUE
STA 311+60 to 317+50
SCALE: N.T.S.

CONFORMED SET

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

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

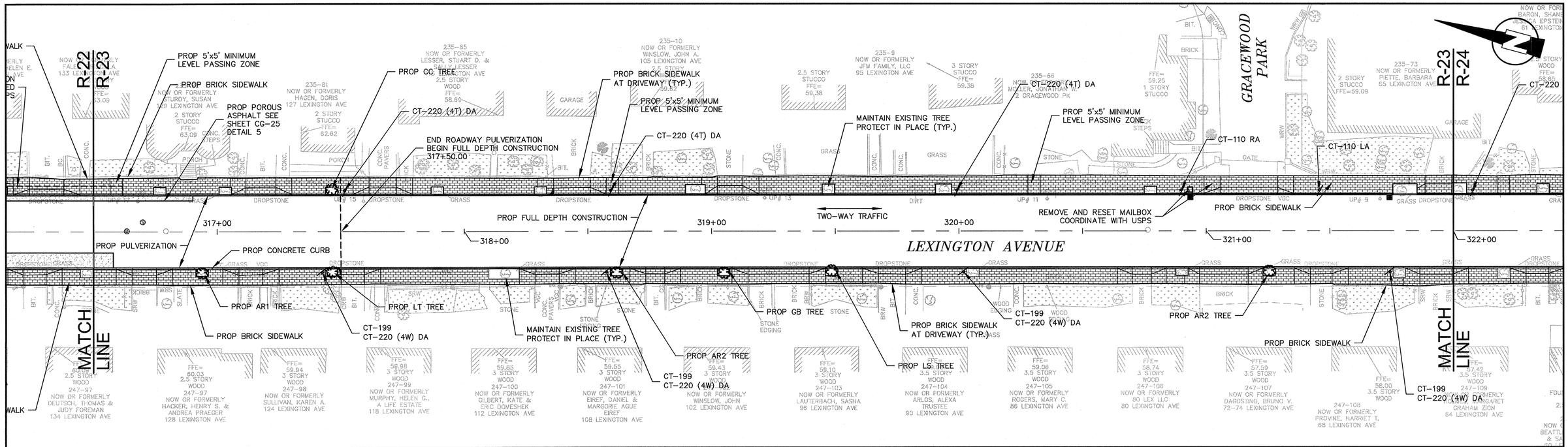
COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/13/12

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	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LEXINGTON AVENUE
Construction Plan STA 311+00 to 316+50
Sheet: R-22
File No.

PLOT DATE=9/4/2012 12:36:30 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Lexington - (Conformed).dwg

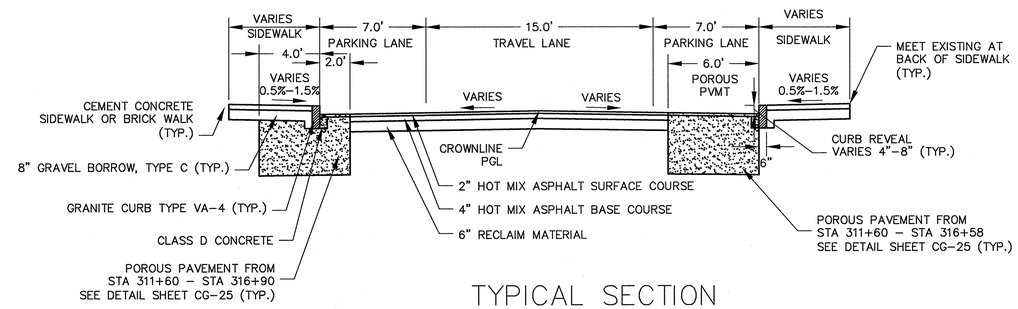


0 20 40 60

SCALE IN FEET
SCALE: 1"=20'

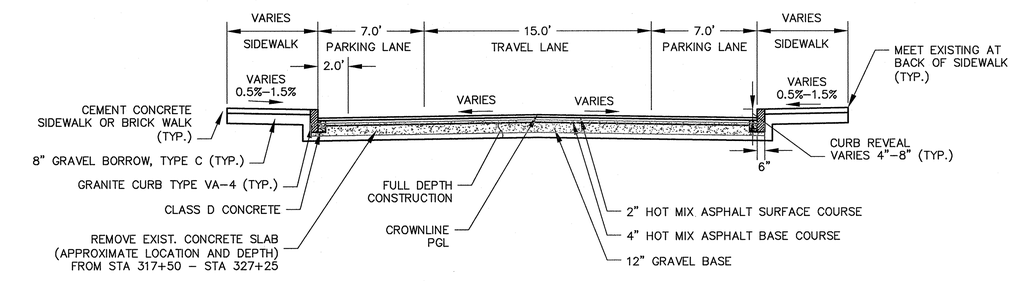
PEDESTRIAN NOTES:

1. WORK ON LEXINGTON AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEETS 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. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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

LEXINGTON AVENUE
STA 311+60 to 317+50
SCALE: N.T.S.



TYPICAL SECTION

LEXINGTON AVENUE
STA 317+50 to 327+25
SCALE: N.T.S.

CONFORMED SET

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

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

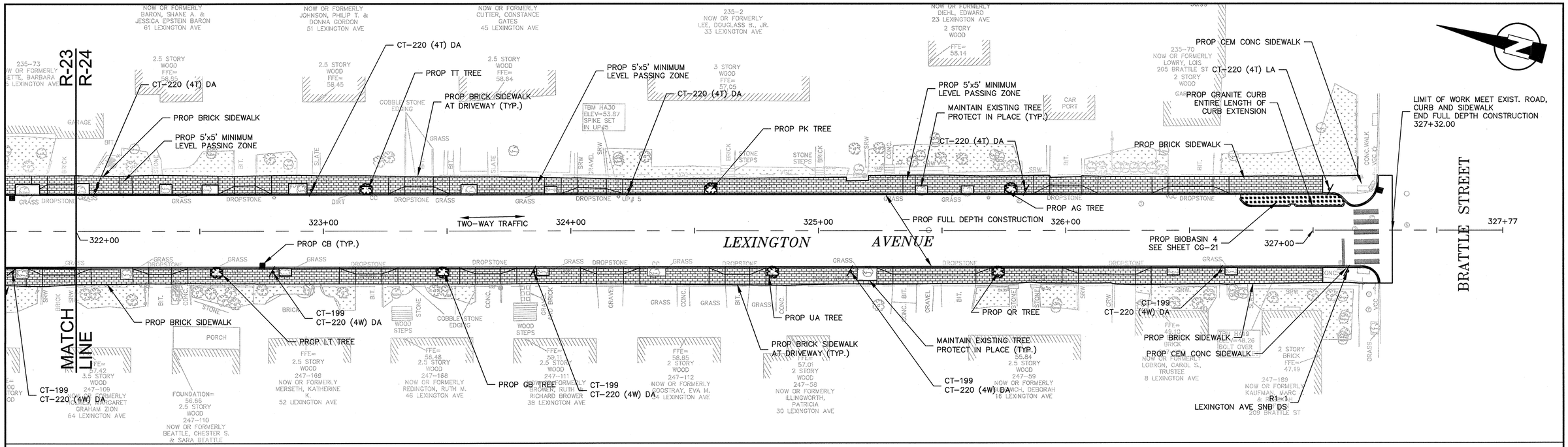
COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERI No. 30484 REGISTERED PROFESSIONAL ENGINEER 9/13/12

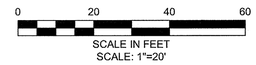
Scale	AS NOTED			
Date	SEPTEMBER 2012			
Job No.	2011010.01-A			
Designed by	TAL/JL			
Drawn by	TAL/JL			
Checked by	CMC/BJM	No.	Description	Date
Approved by	BJM		REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT Contract No. 8A
Drawing: ROADWAY - LEXINGTON AVENUE Construction Plan STA 316+50 to 322+00
Sheet: R-23
File No.

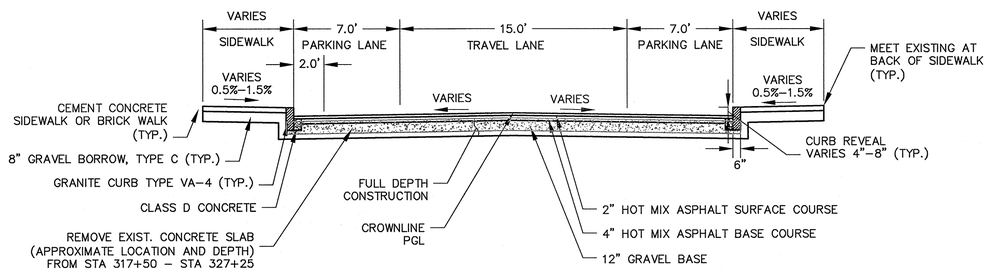
PLOT DATE=9/4/2012 12:38:27 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Lexington - (Conformed).dwg





PEDESTRIAN NOTES:

1. WORK ON LEXINGTON AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEETS 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. FOR PROPOSED TREES A MINIMUM OF 4'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE.
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
LEXINGTON AVENUE
STA 317+50 to 327+25
SCALE: N.T.S.

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERY No. 30434 REGISTERED PROFESSIONAL ENGINEER 9/3/12

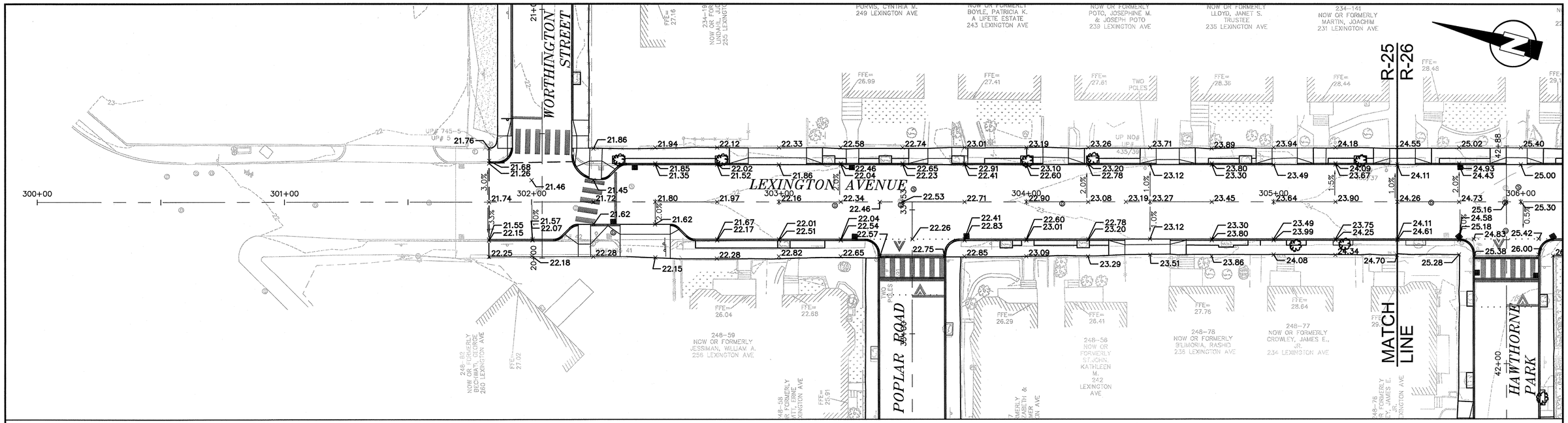
Scale	AS NOTED
Date	SEPTEMBER 2012
Job No.	2011010.01-A
Designed by	TAL/JL
Drawn by	TAL/JL
Checked by	CMC/BJM
Approved by	BJM

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

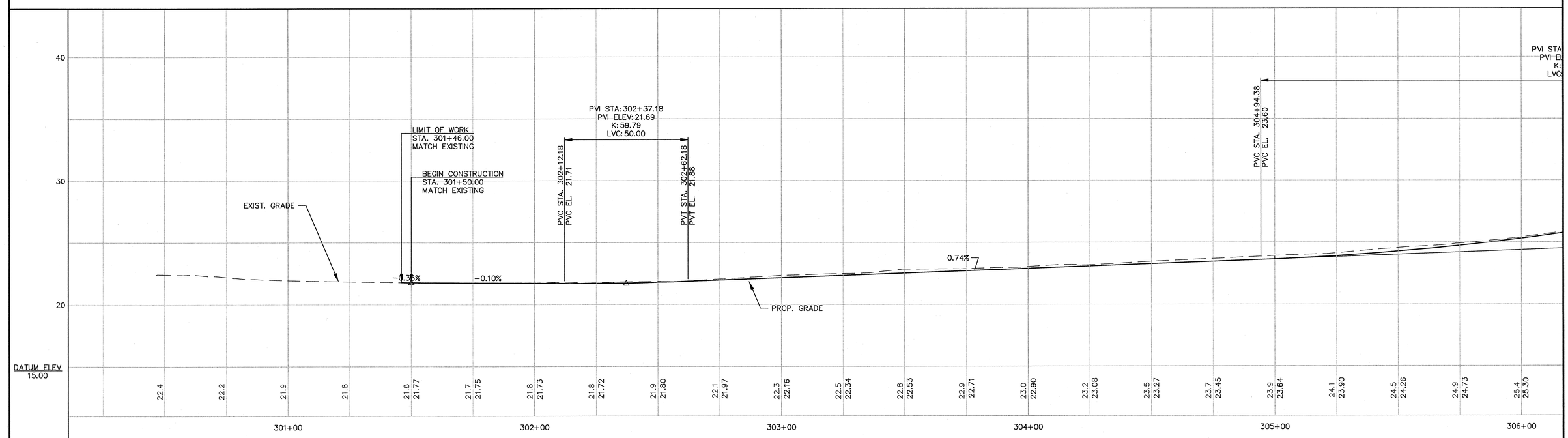
Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LEXINGTON AVENUE
Construction Plan STA 322+00 to 327+25
Sheet: R-24
File No.

PLOT DATE=9/4/2012 12:41:41 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Lexington - (Conformed).dwg



PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'



PROFILE

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

CONFORMED SET

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

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

COMMONWEALTH OF MASSACHUSETTS JOHN J. STRUZZIERY No. 30... PROFESSIONAL ENGINEER 7/13/12

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

No.	Description	Date
	REVISIONS	

THE WORKS CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS
Project: HURON A SEWER SEPARATION PROJECT
Contract No. 8A
Drawing: ROADWAY - LEXINGTON AVENUE
Grading Plan STA 300+50 to 305+50

Sheet: R-25
File No.

PLOT DATE=9/4/2012 12:50:26 PM USER=KYLE LANGLOIS FILENAME=G:_clients\Cambridge MA\2011010.01-A - Huron A\2.8 Drawings_Conformed_Lexington - (Conformed).dwg