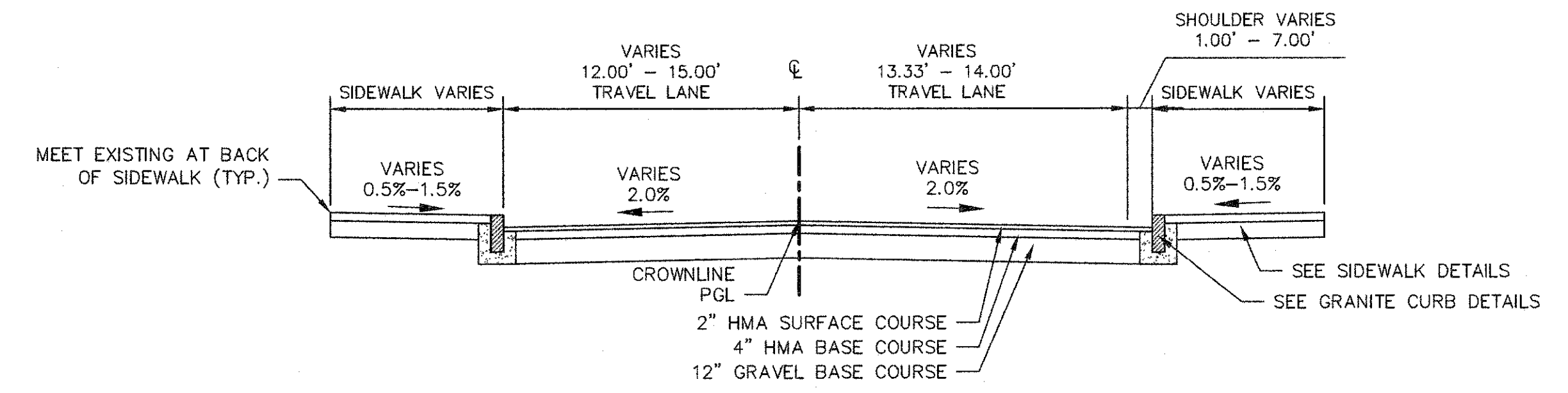
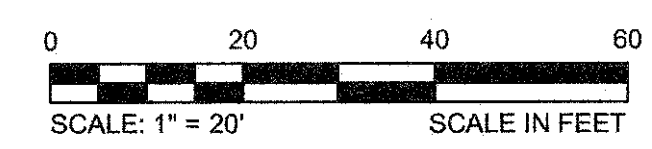


NOTES:

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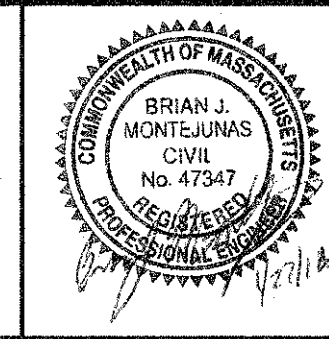


(A) TYPICAL SECTION
R-1 SCALE: 1"=5'

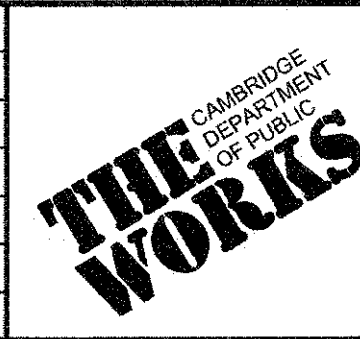


CONFORMED SET

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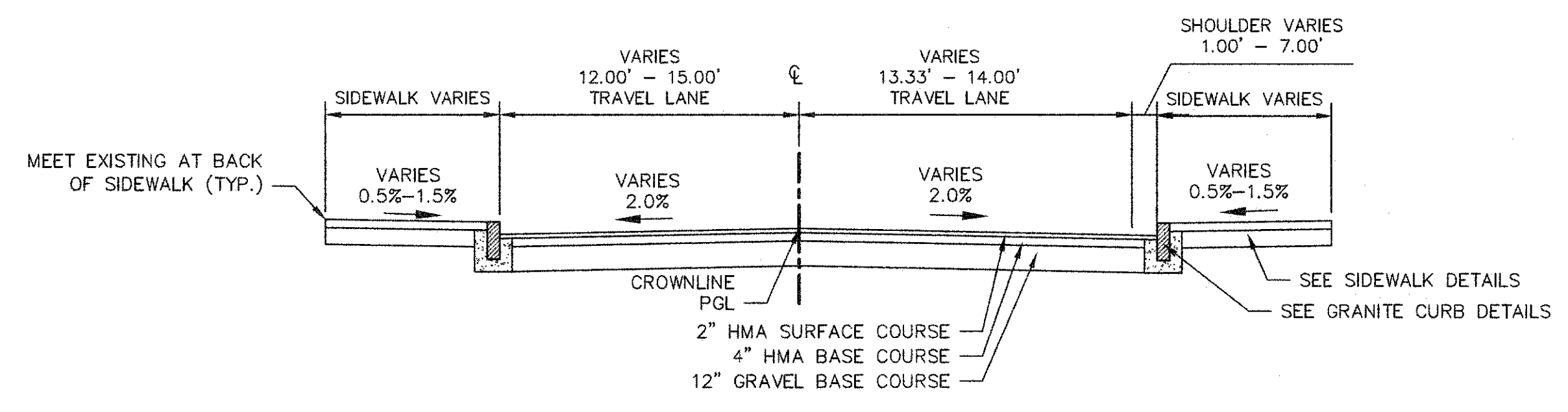
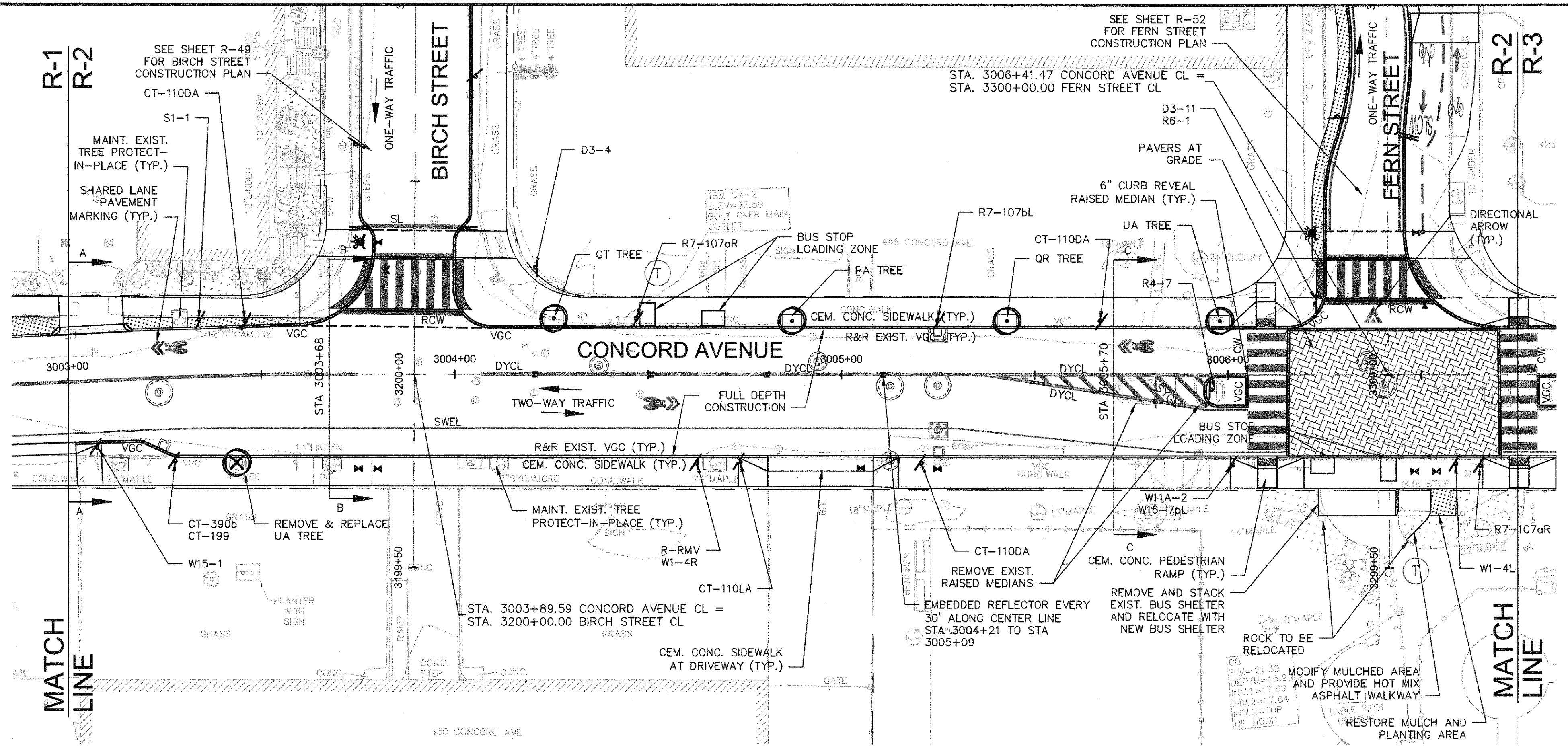


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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

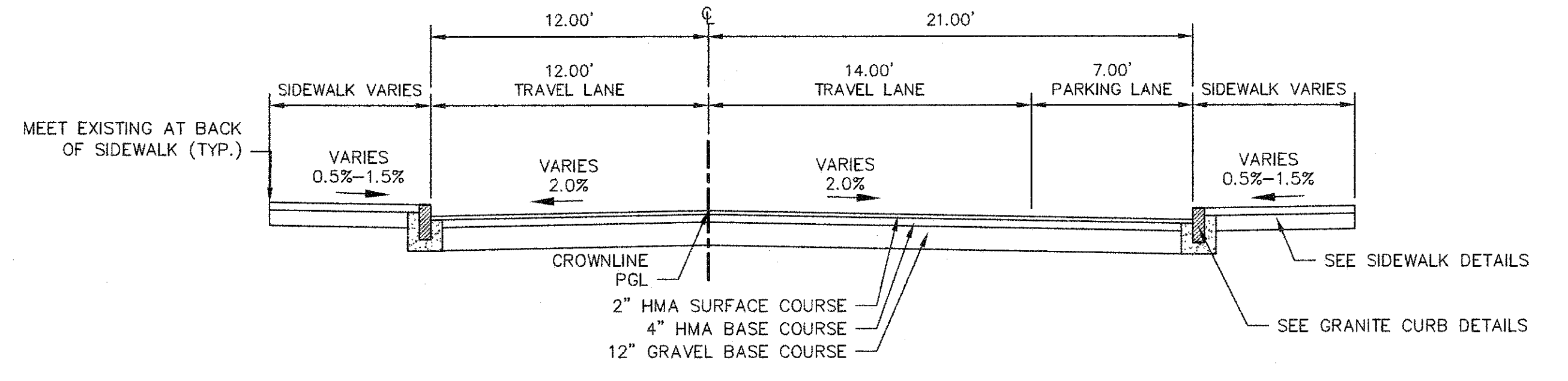


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3001+76 TO 3003+00

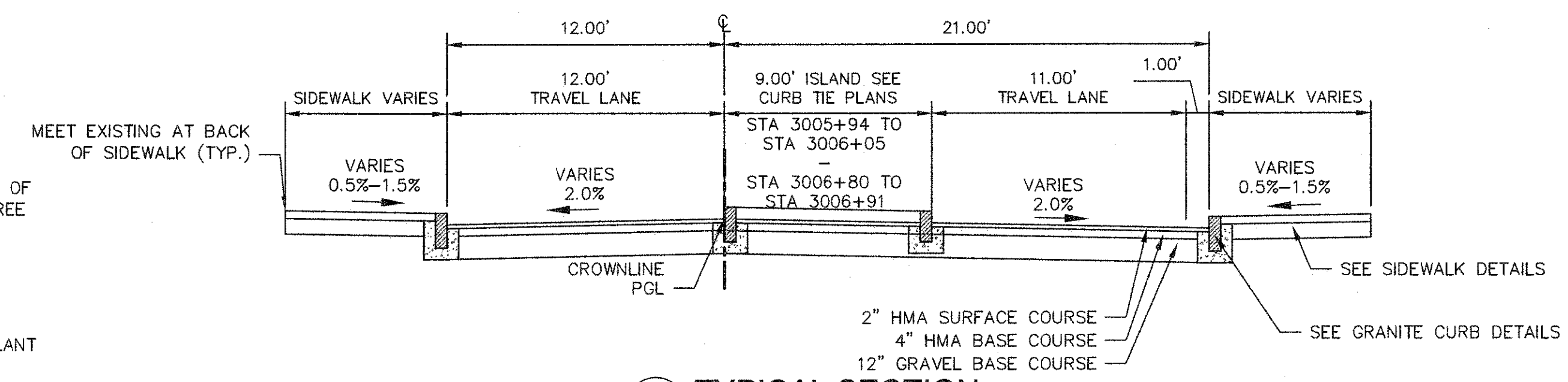
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A TYPICAL SECTION
R-2 SCALE: 1"=5'



B TYPICAL SECTION
R-2 SCALE: 1"=5'



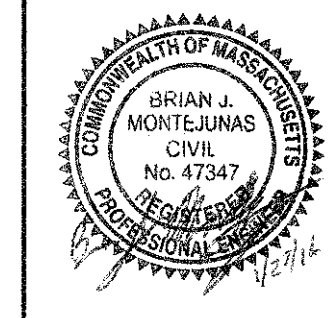
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R-2 SCALE: 1"=5'

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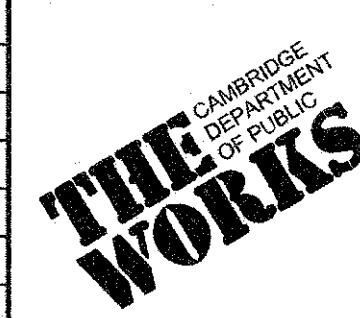


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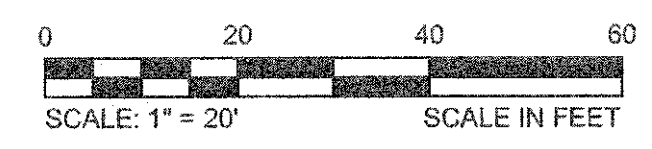
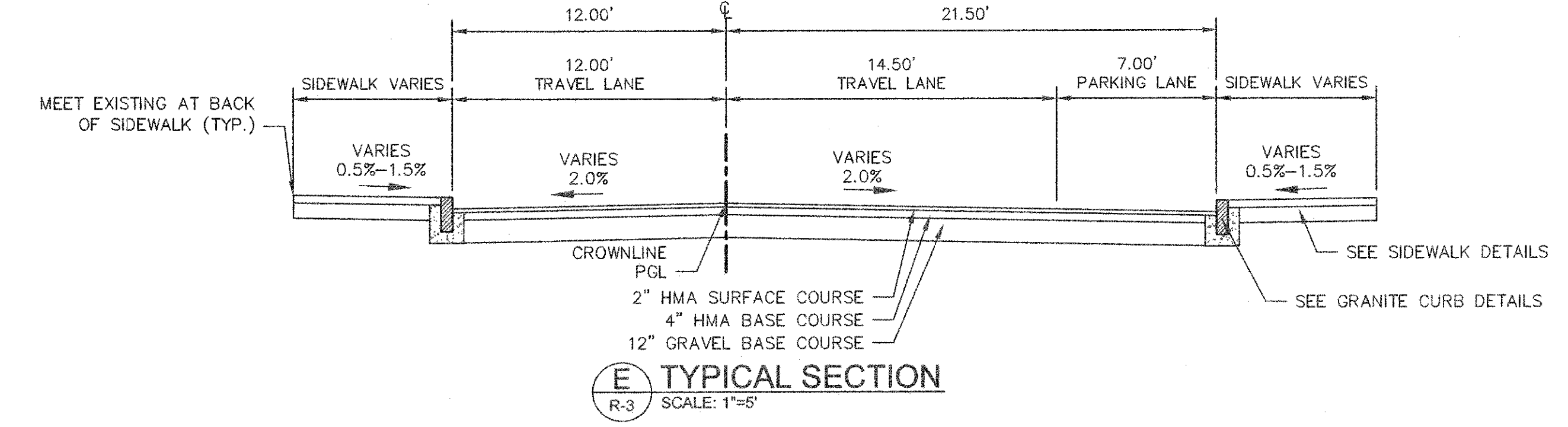
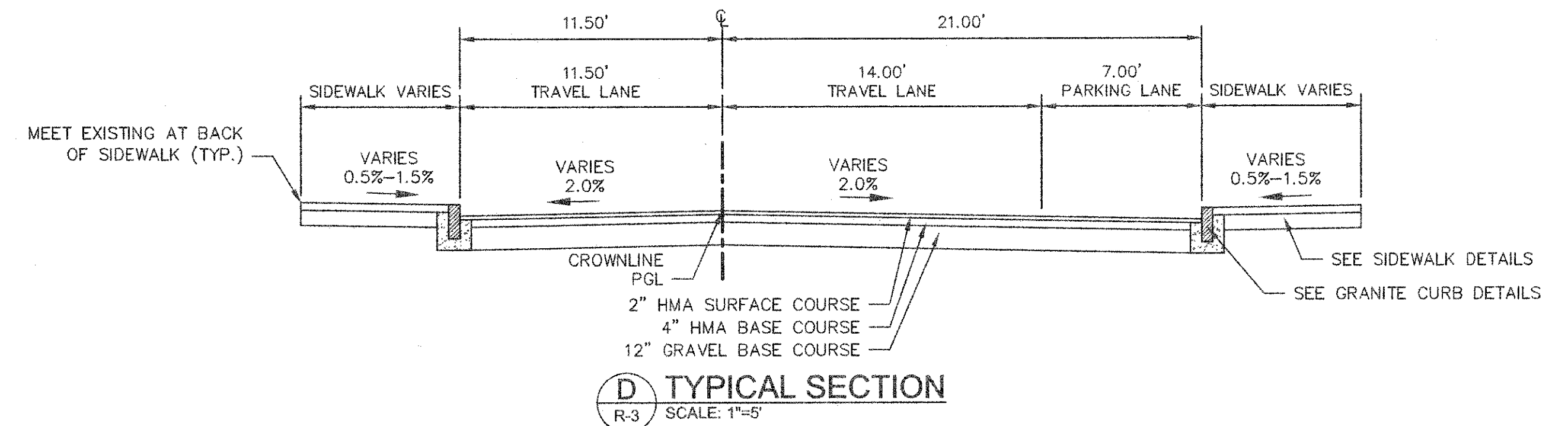
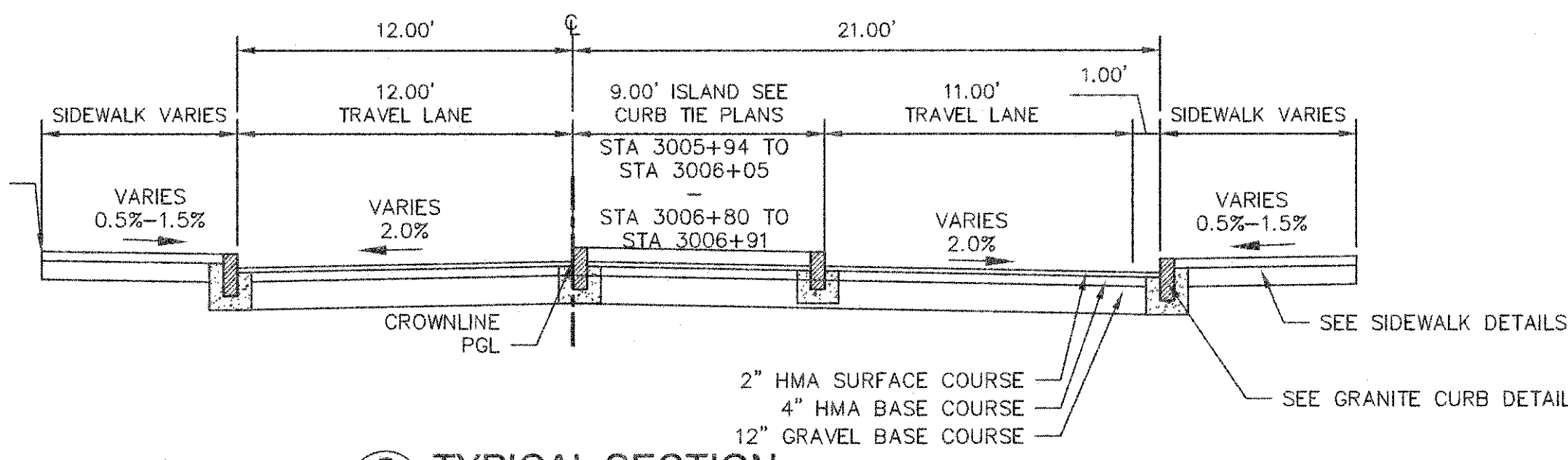
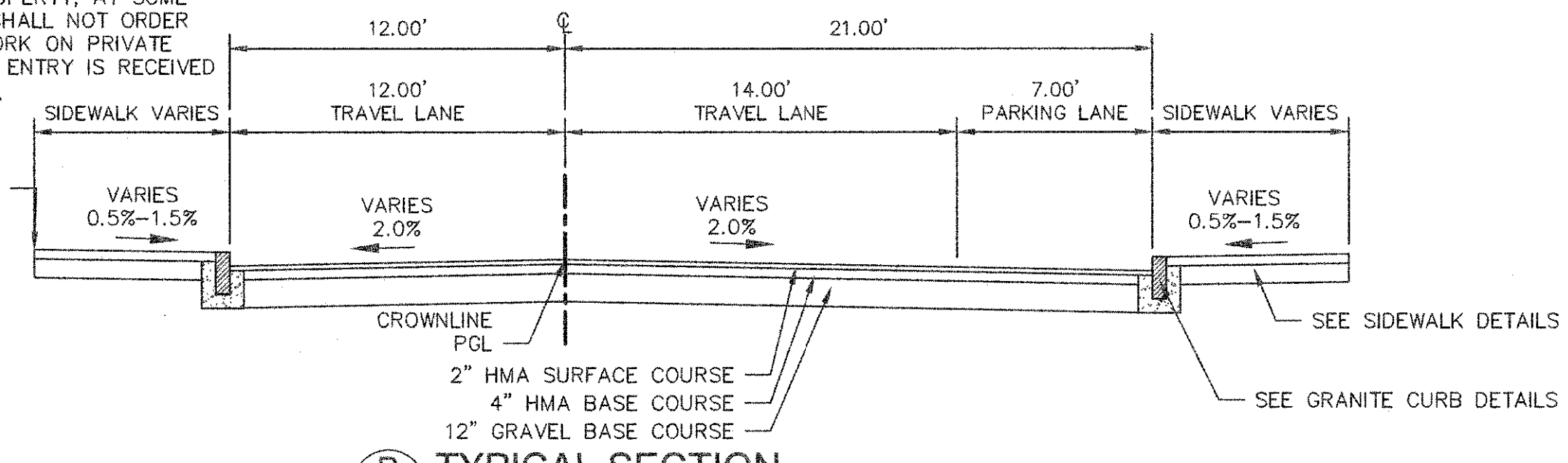
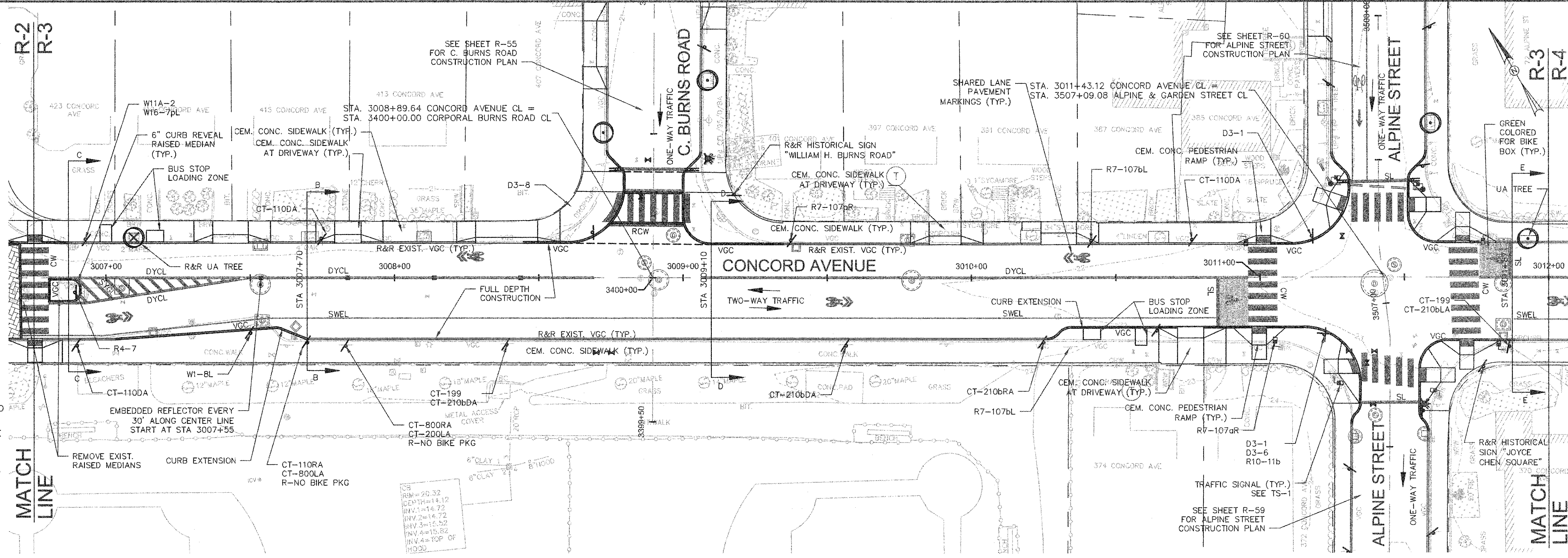
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3003+00 TO 3006+75

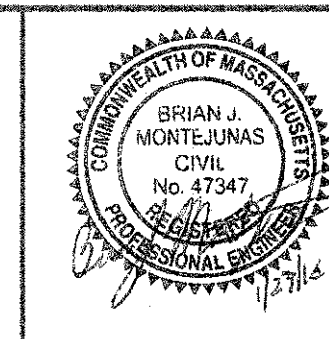
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File No.	6228

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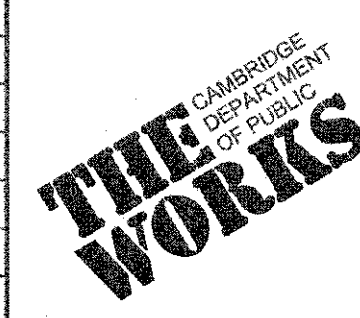


CONFORMED SET

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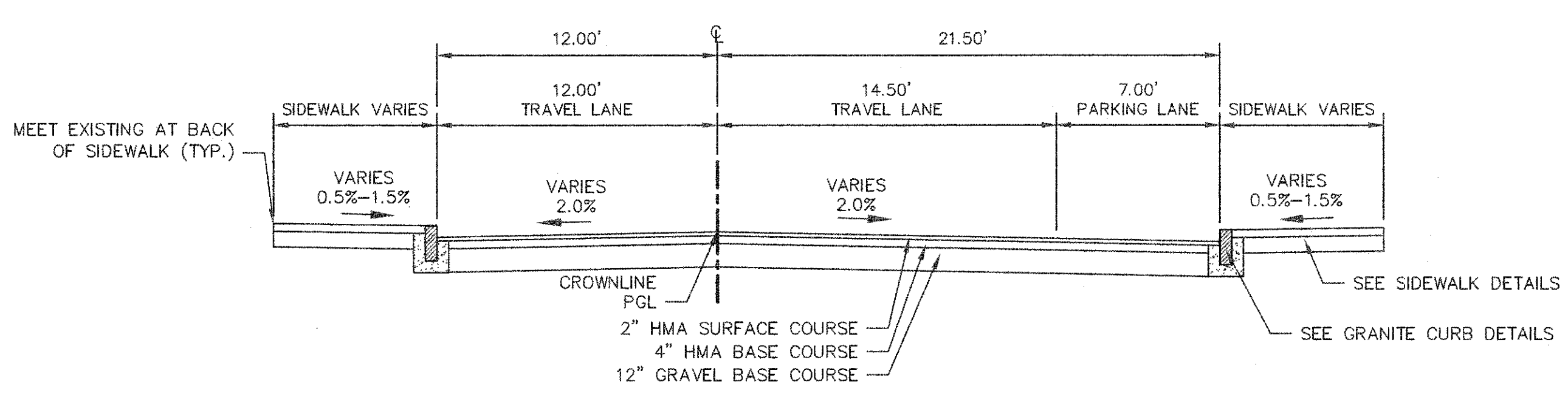
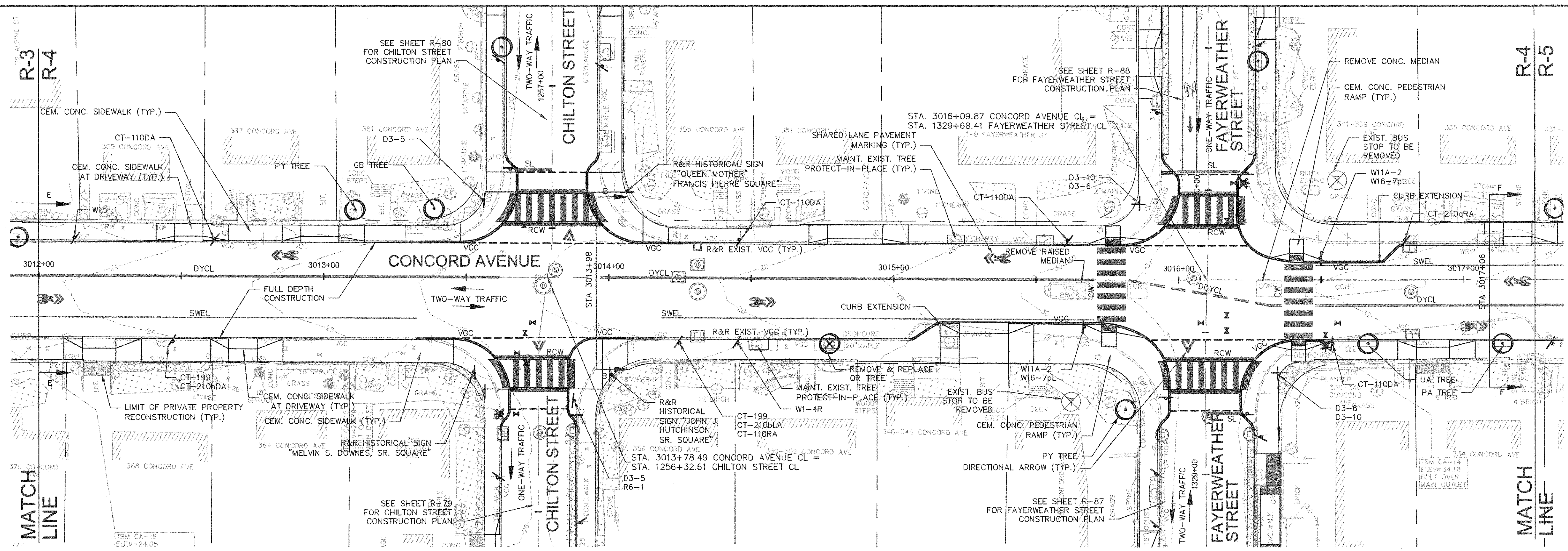


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM

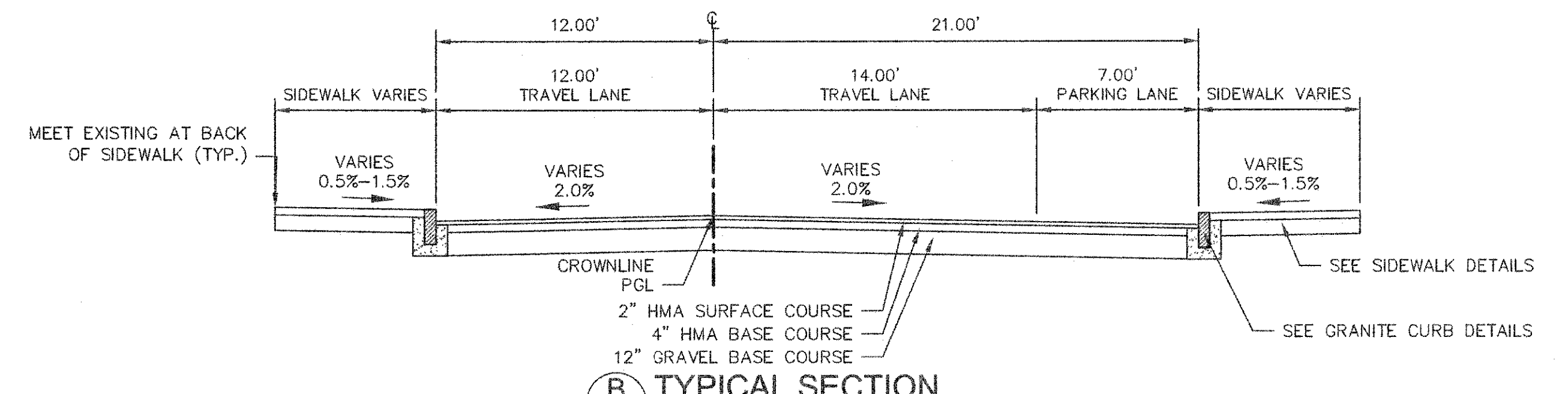


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3006+75 TO 3012+00

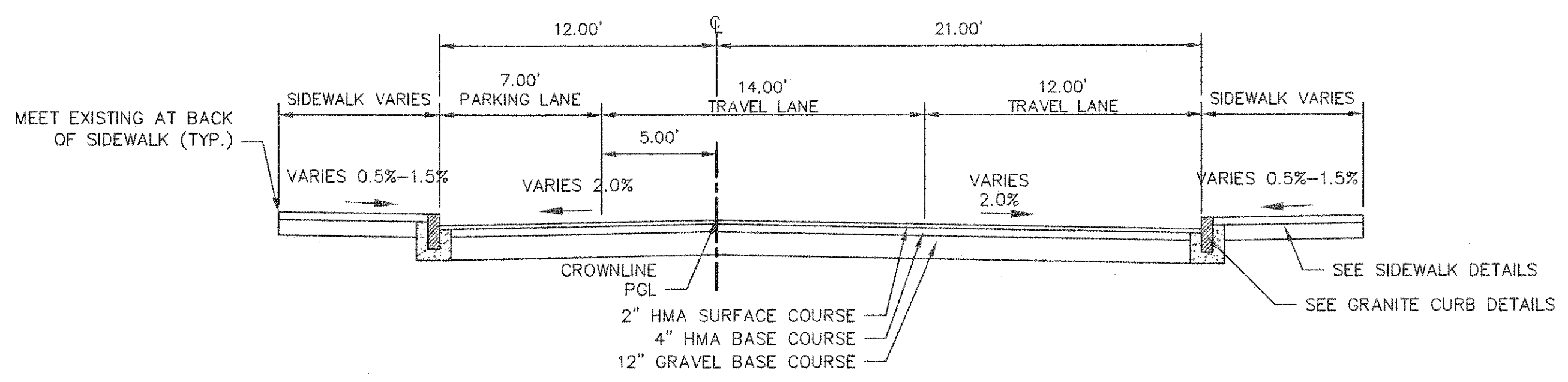
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File No.	6228



E TYPICAL SECTION
R-4 SCALE: 1"=5'

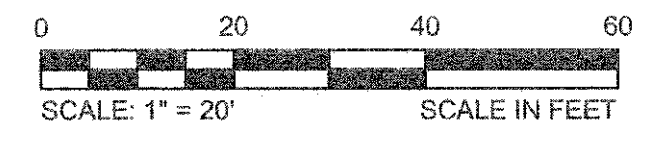


B TYPICAL SECTION
R-4 SCALE: 1"=5'



F TYPICAL SECTION
R-4 SCALE: 1"=5'

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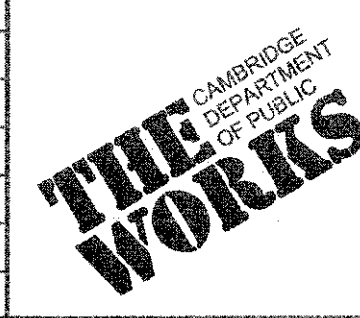


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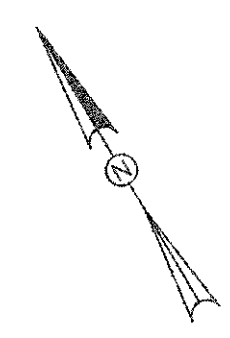
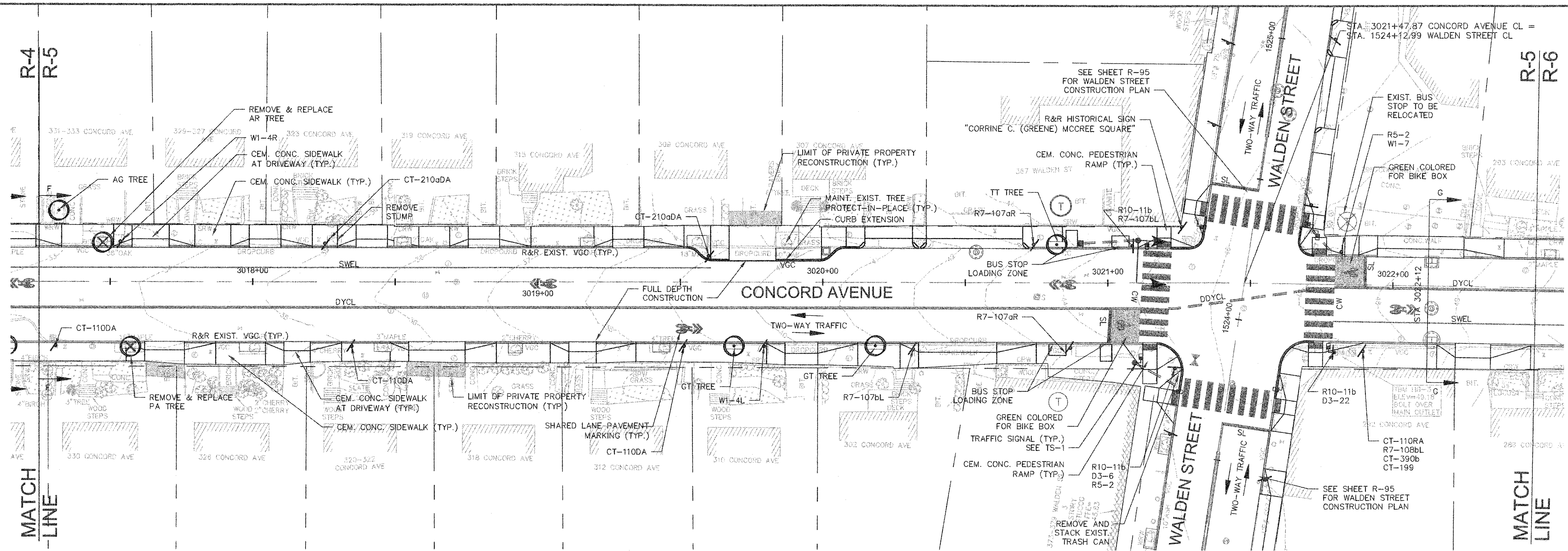


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Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



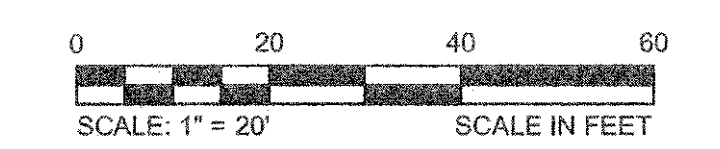
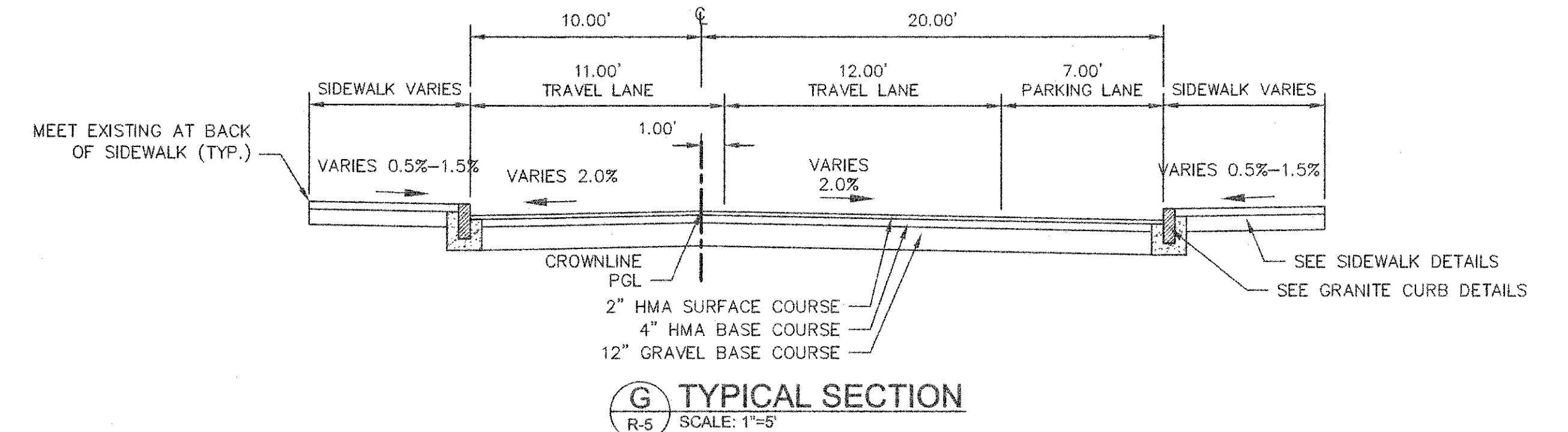
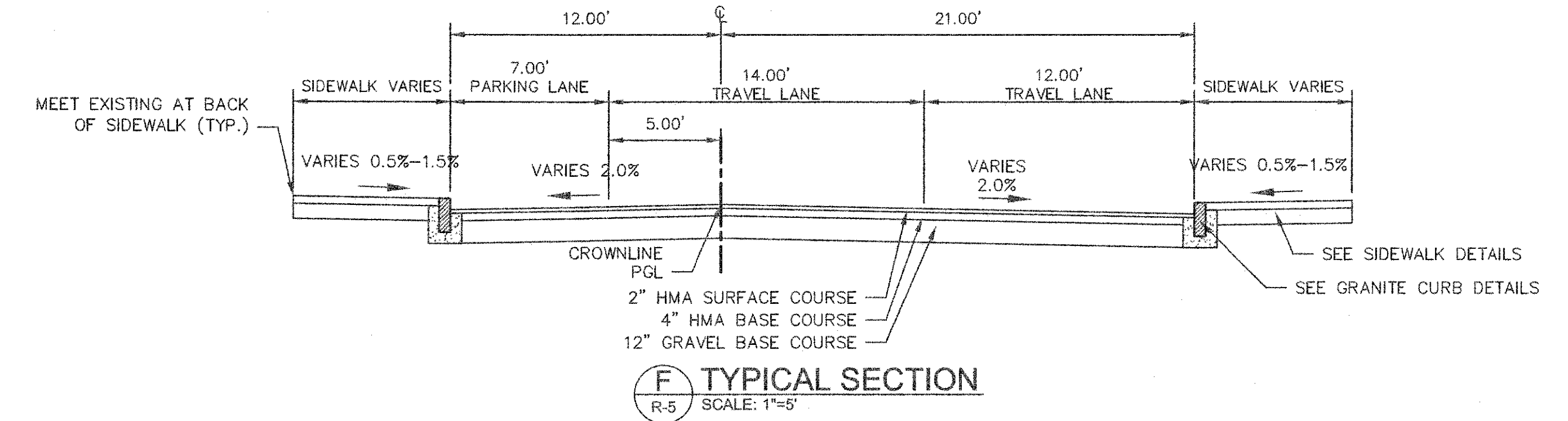
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3012+00 TO 3017+25

Sheet	R-4
File No.	6228



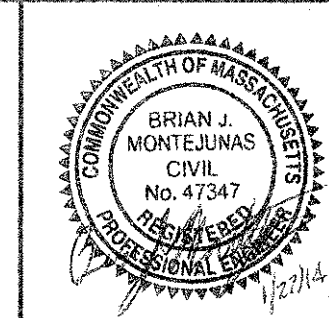
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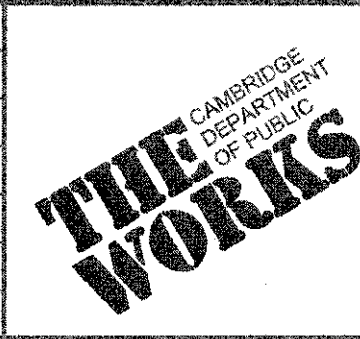


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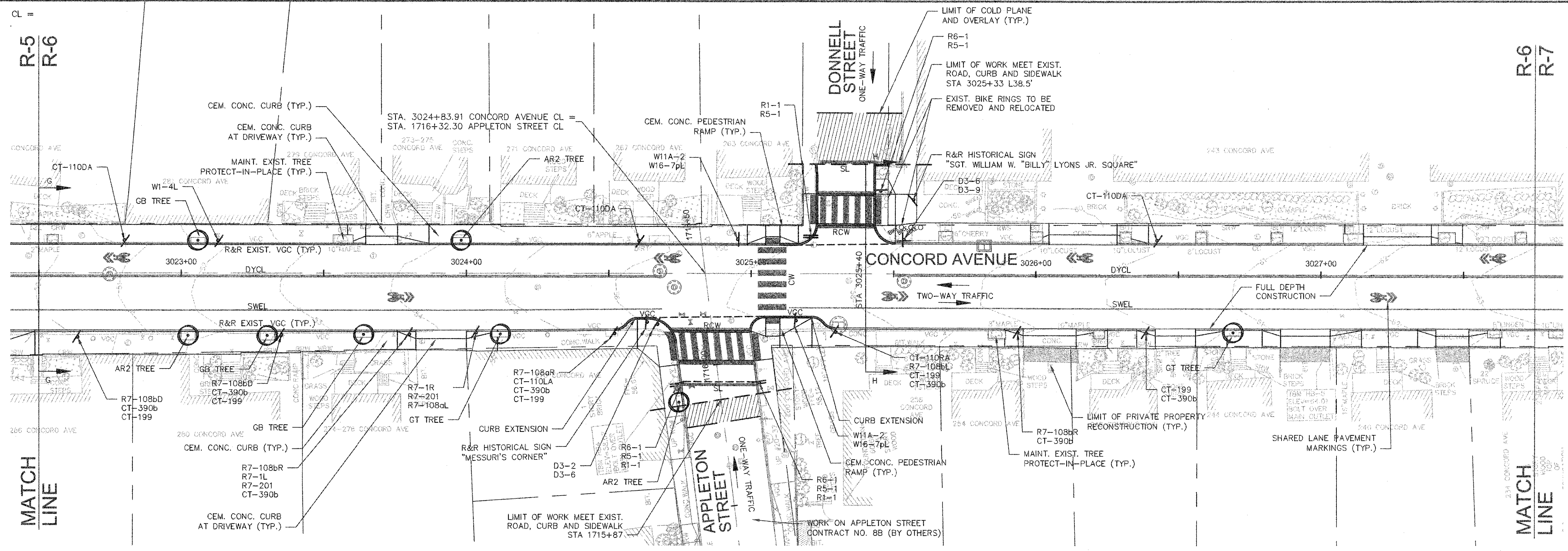


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Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



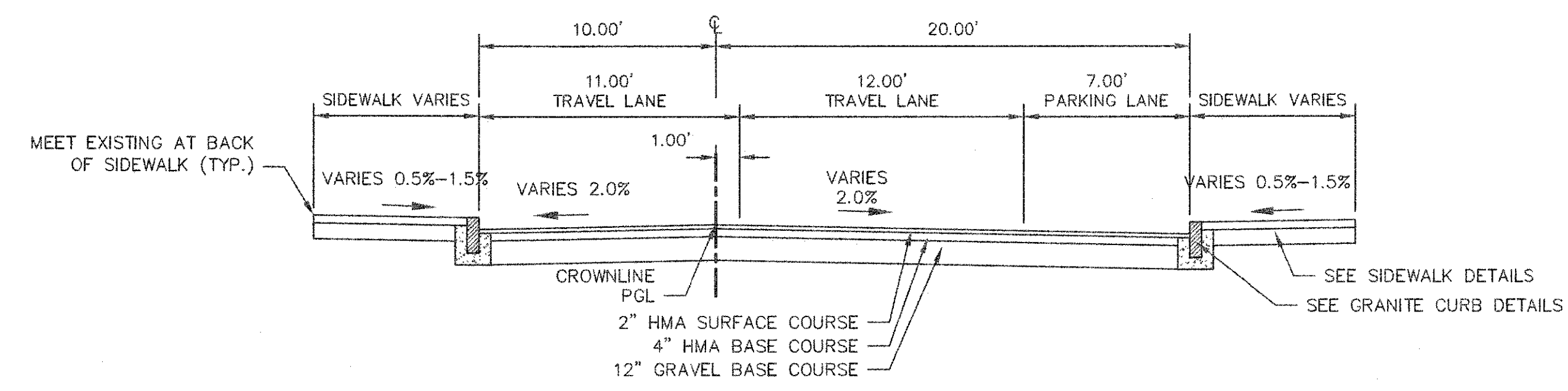
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3017+25 TO 3022+50

Sheet	R-5
File No.	6228

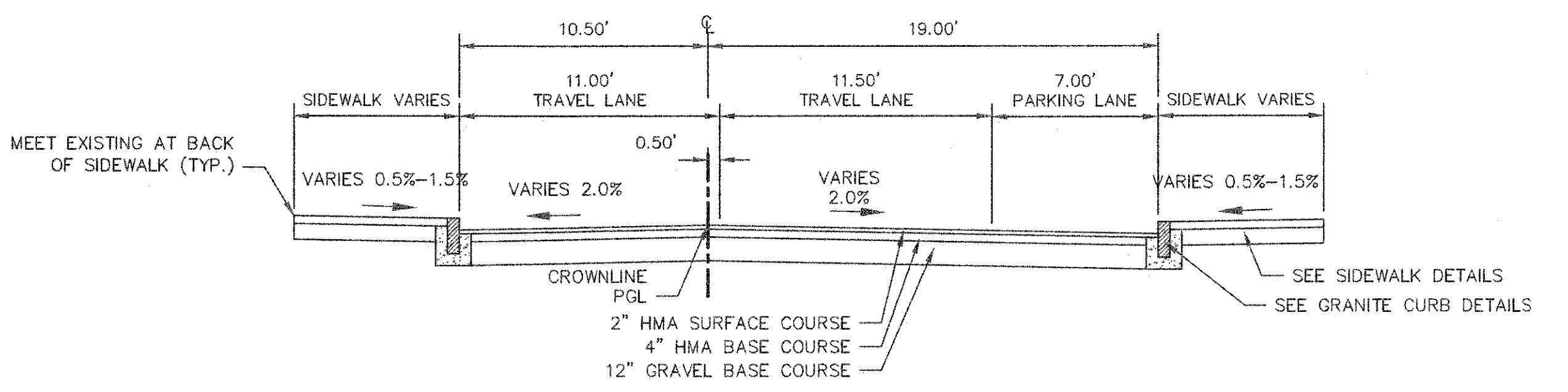


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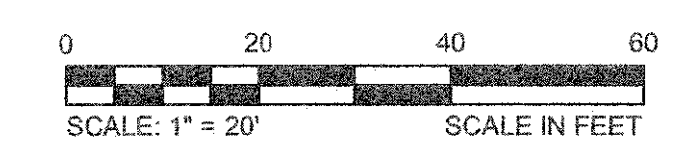
1. WORK IN CONCORD AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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 UNLESS OTHERWISE NOTED.
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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



G TYPICAL SECTION
R-6 SCALE: 1"=5'

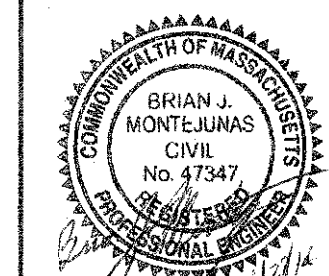


H TYPICAL SECTION
R-6 SCALE: 1"=5'

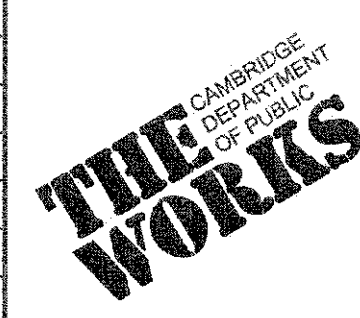


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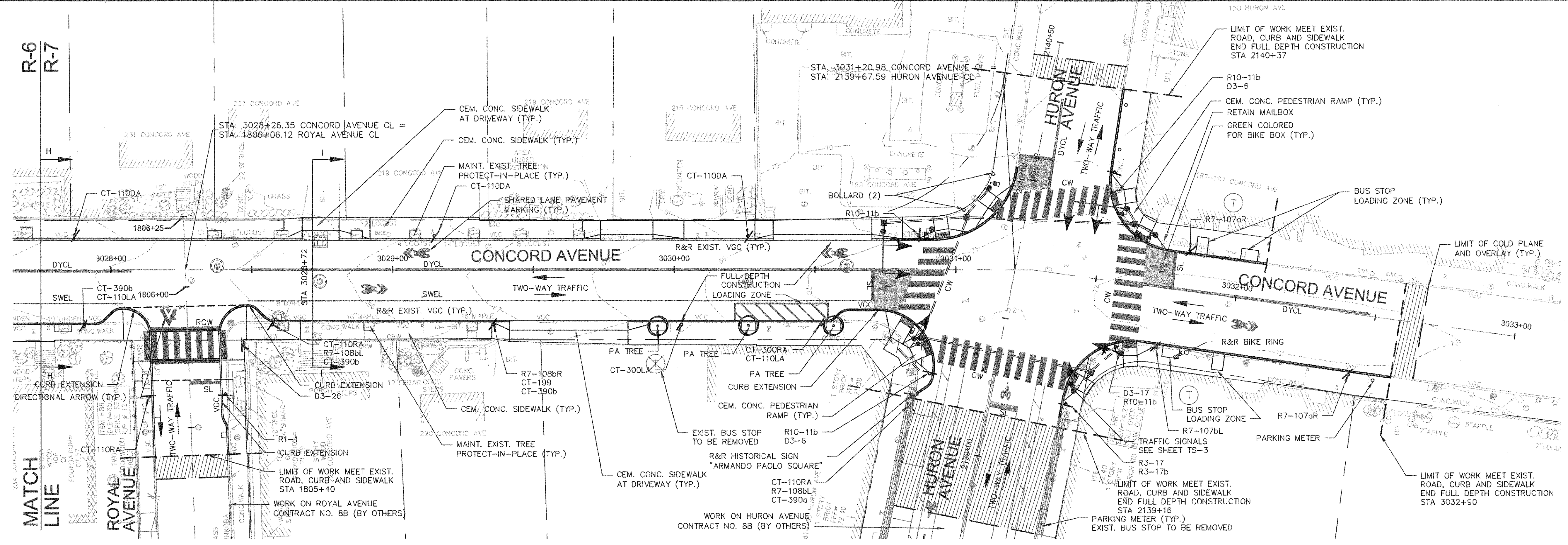
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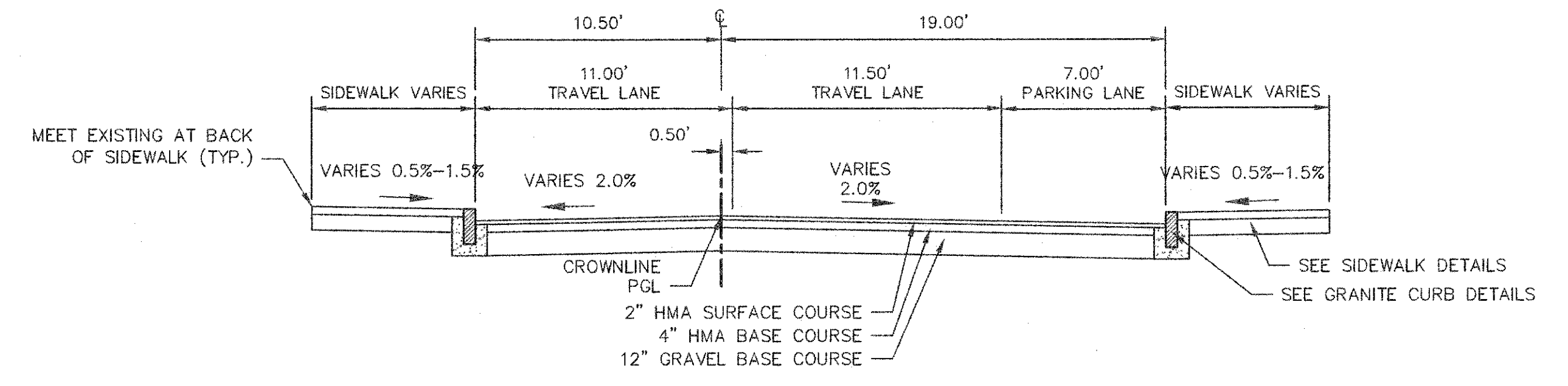
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



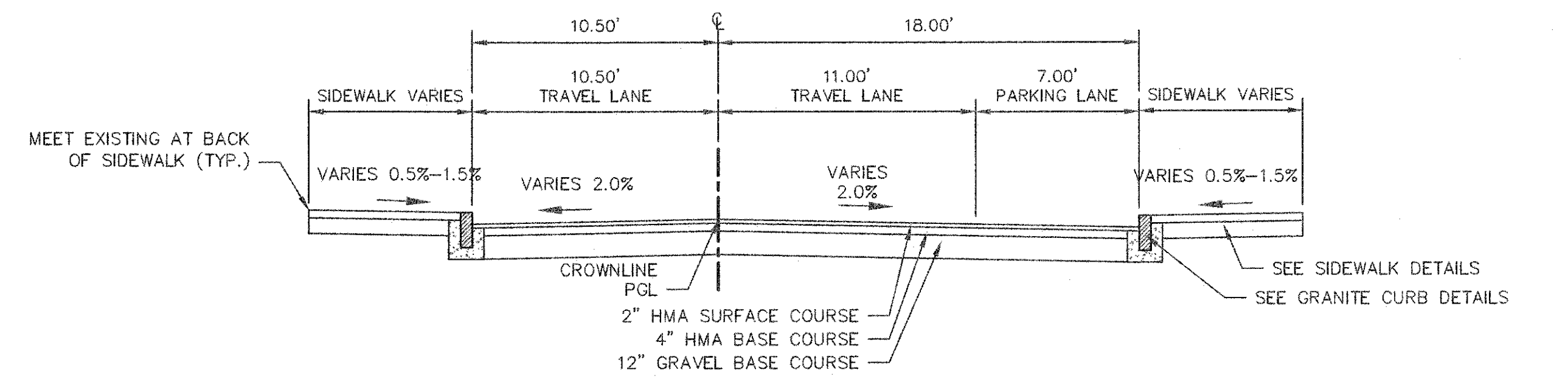
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-6
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3022+50 TO 3027+75		



- NOTES:**
1. WORK IN CONCORD AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
 2. SEE DETAILS ON SHEETS RC-3, RC-4 AND RC-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
 5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
 7. ALL 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 UNLESS OTHERWISE NOTED.
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 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.
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 14. CONTRACTOR TO REMOVE RAILROAD TRACKS, TIES, CONCRETE, AND COBBLES AT THE INTERSECTION OF CONCORD/HURON WITHIN LIMITS OF FULL DEPTH EXCAVATION.



H TYPICAL SECTION
R-7 SCALE: 1"=5'

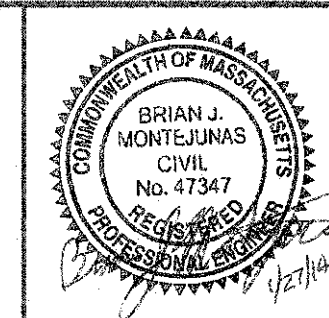


I TYPICAL SECTION
R-7 SCALE: 1"=5'

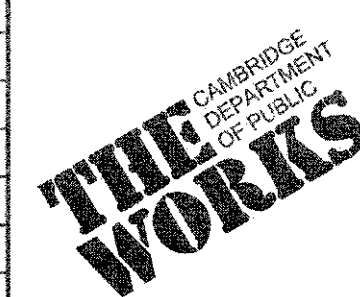


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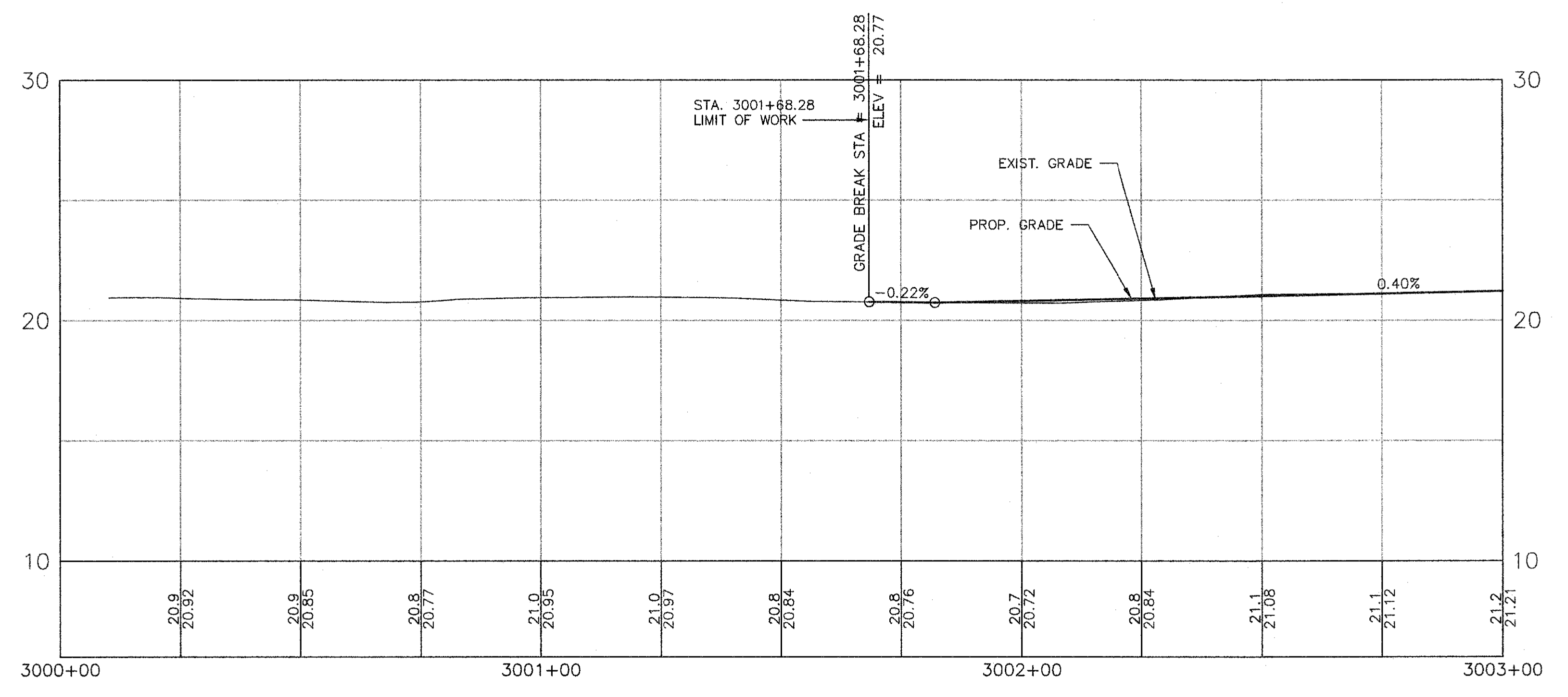
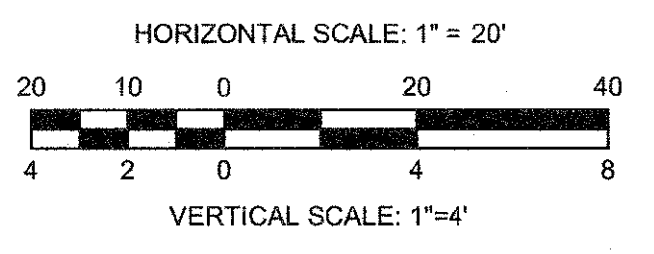
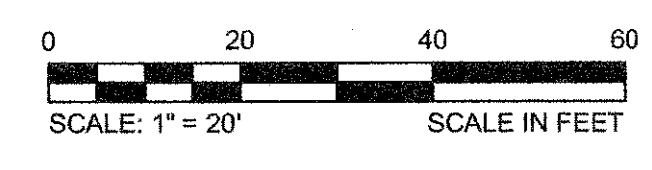
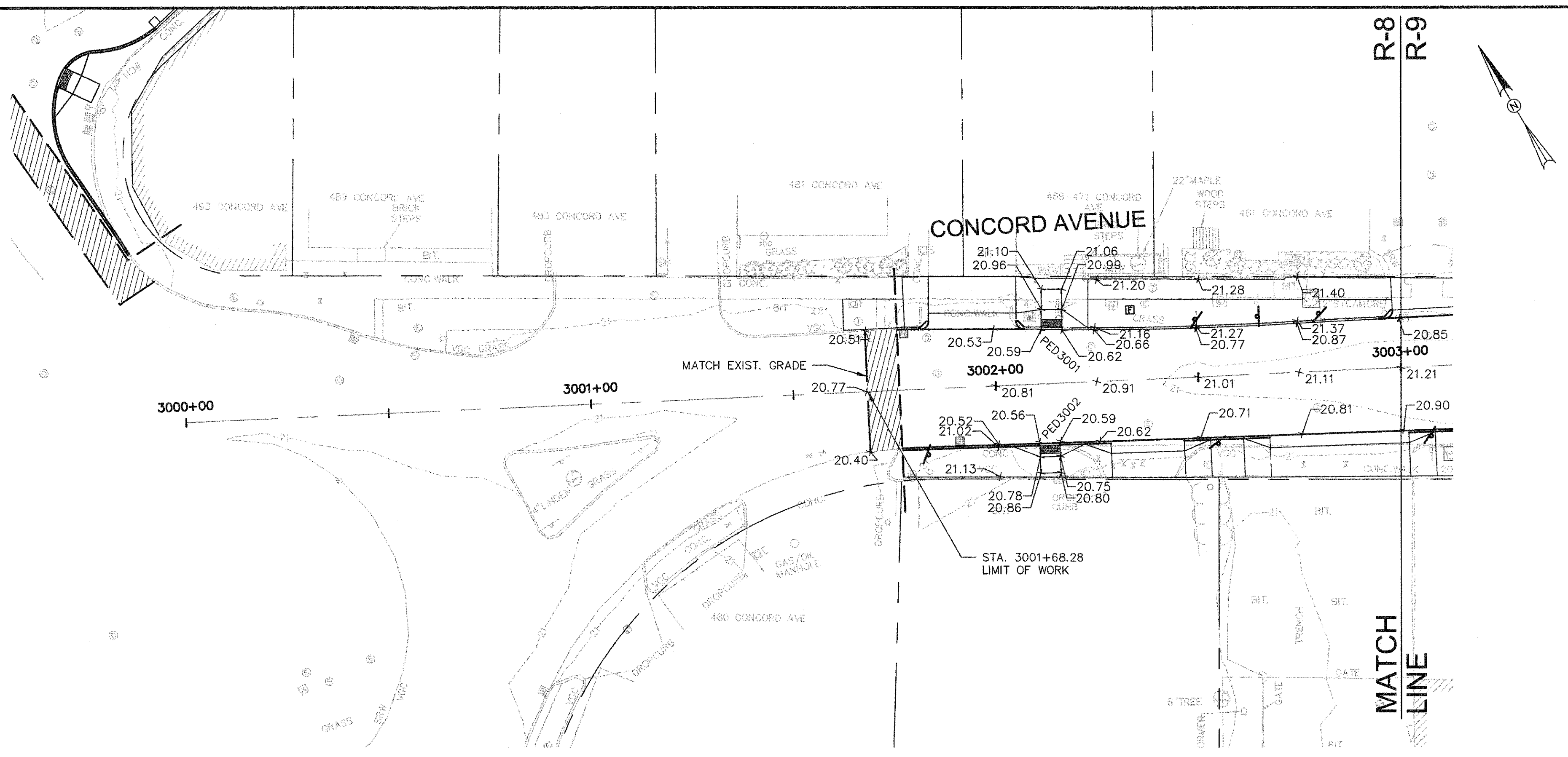


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

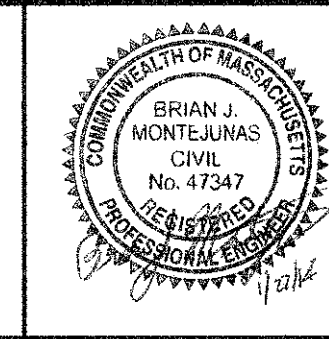


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-7
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN CONCORD AVENUE STA 3027+75 TO 3032+90		

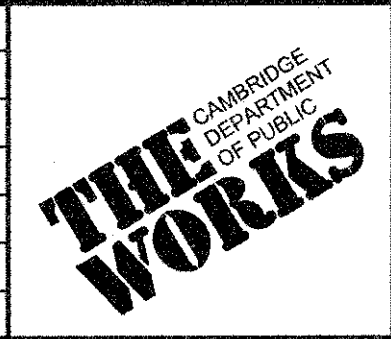
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CONFORMED SET

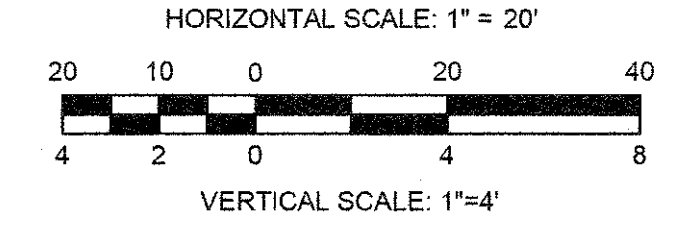
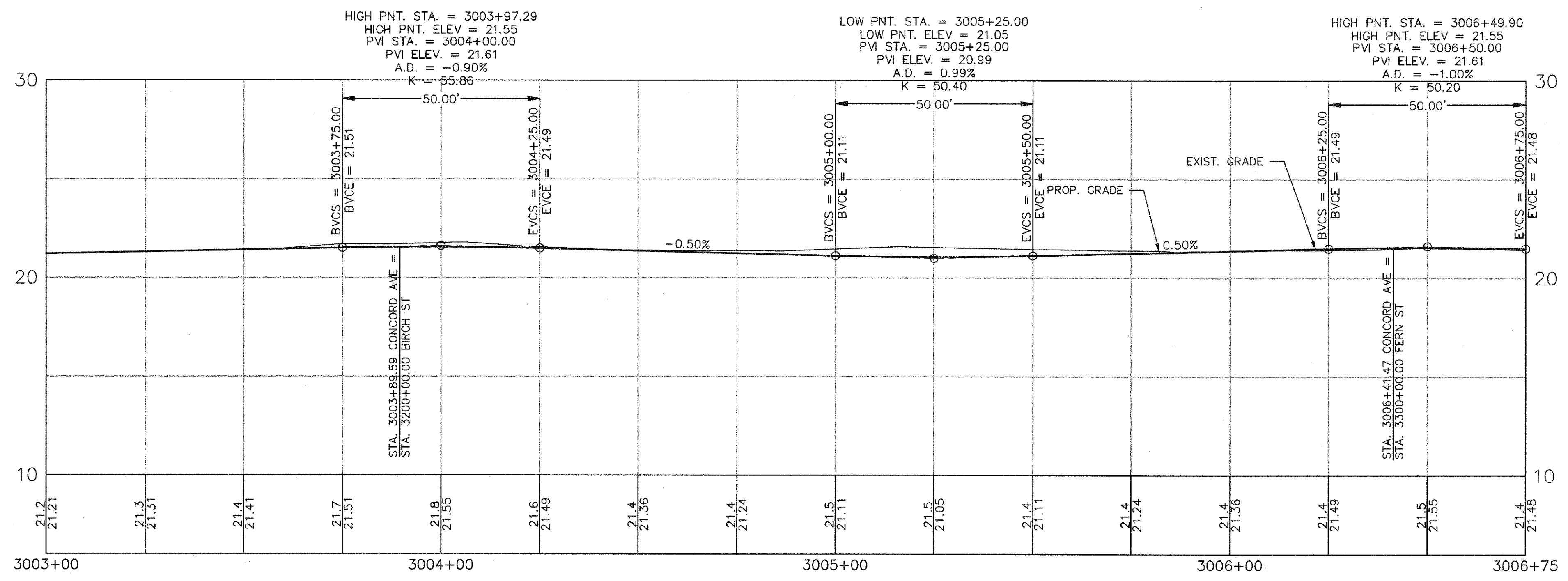
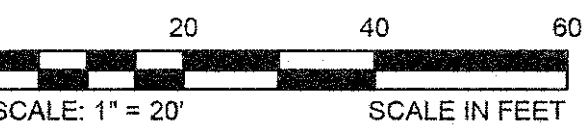
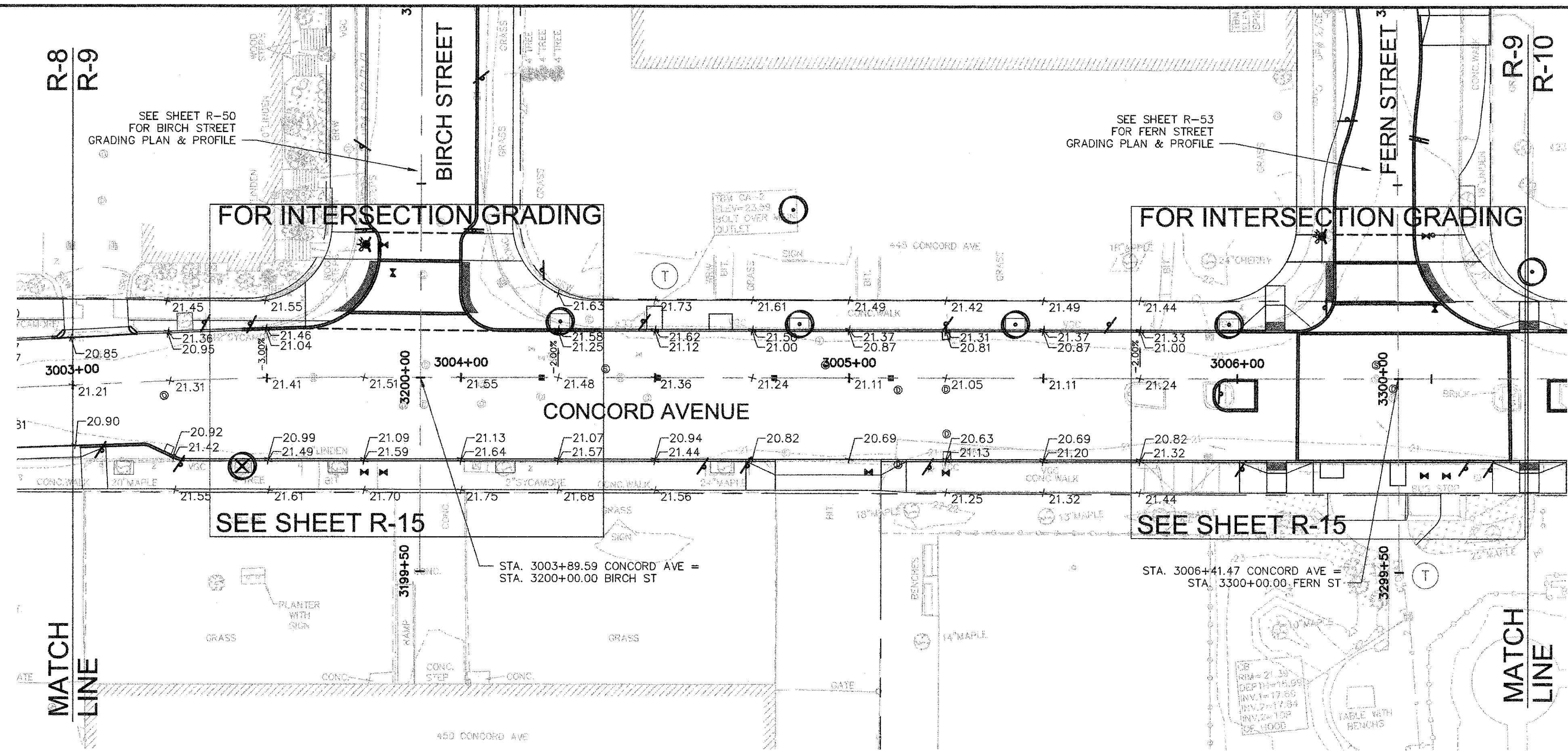


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

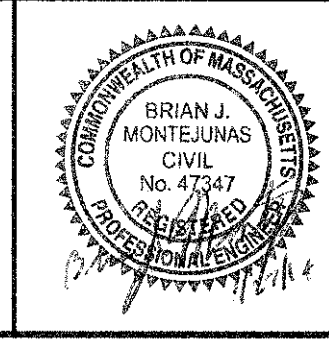
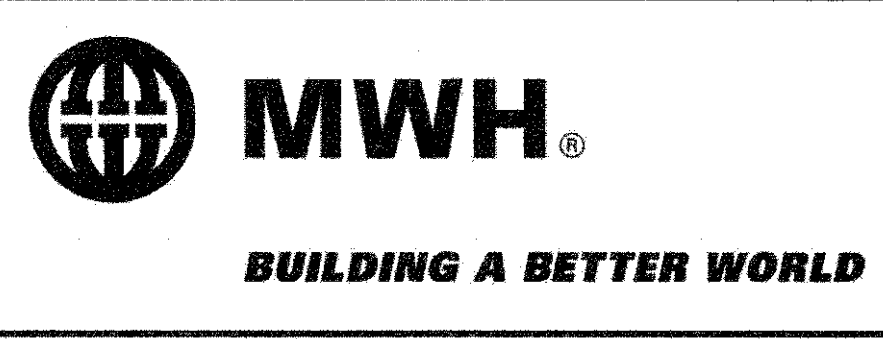


Client	CITY OF CAMBRIDGE, MASSACHUSETTS		
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT		
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3001+76 TO 3003+00		

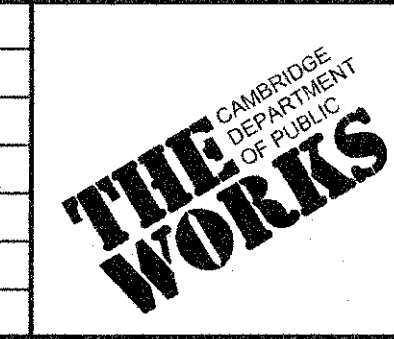
Sheet	R-8
File No.	6228



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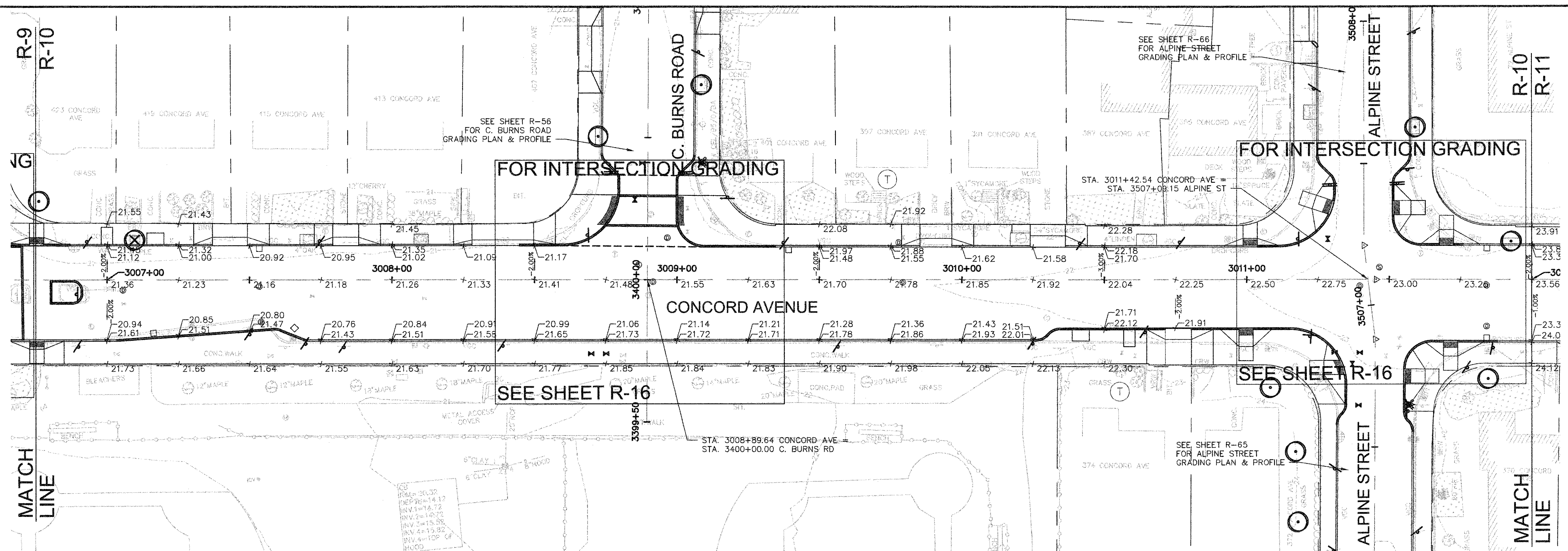
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Date	FEBRUARY 2014		
Job No.	20120256 001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3003+00 TO 3006+75

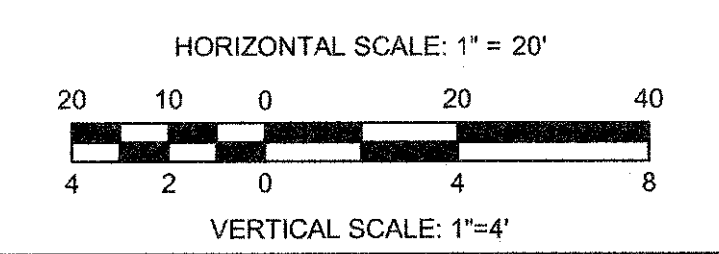
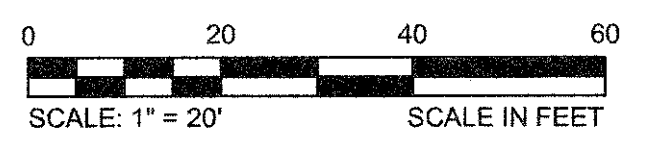
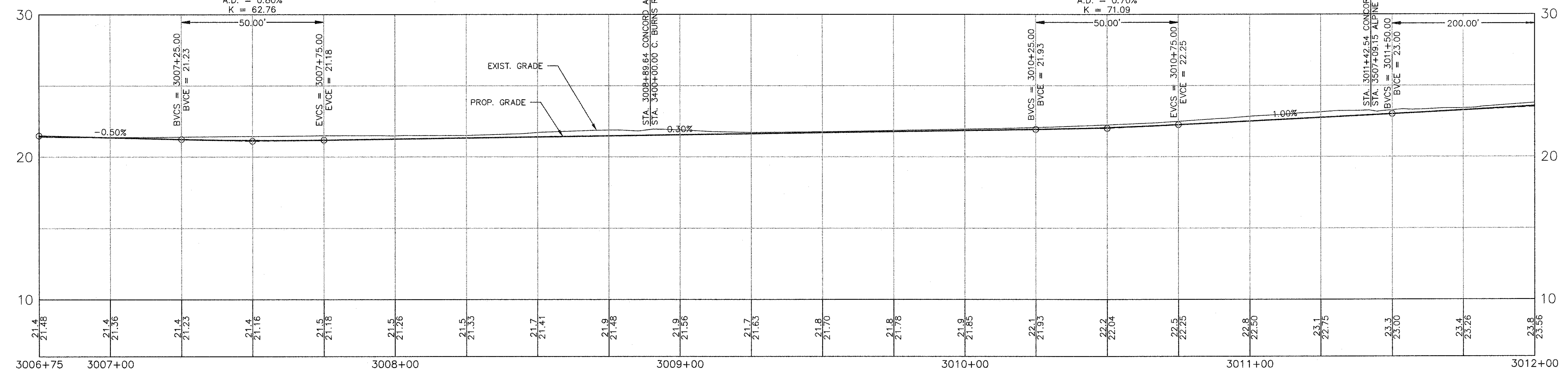
Sheet	R-9
File No.	6228

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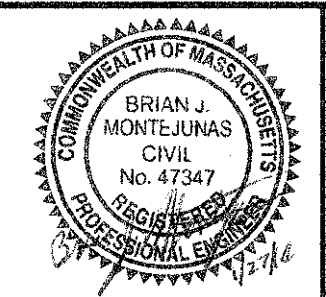
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 LOW PNT. ELEV = 21.16
 PVI STA. = 3007+50.00
 PVI ELEV. = 21.11
 A.D. = 0.80%
 K = 62.76

LOW PNT. STA. = 3010+25.00
 LOW PNT. ELEV = 21.93
 PVI STA. = 3010+50.00
 PVI ELEV. = 22.00
 A.D. = 0.70%
 K = 71.09



CONFORMED SET

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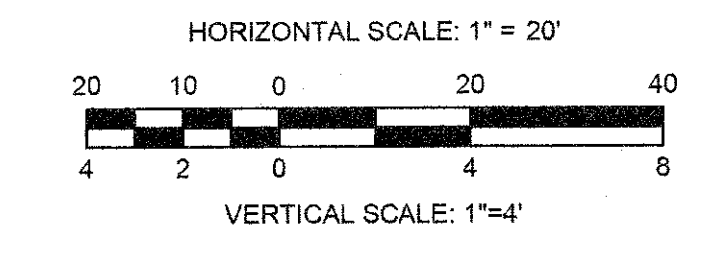
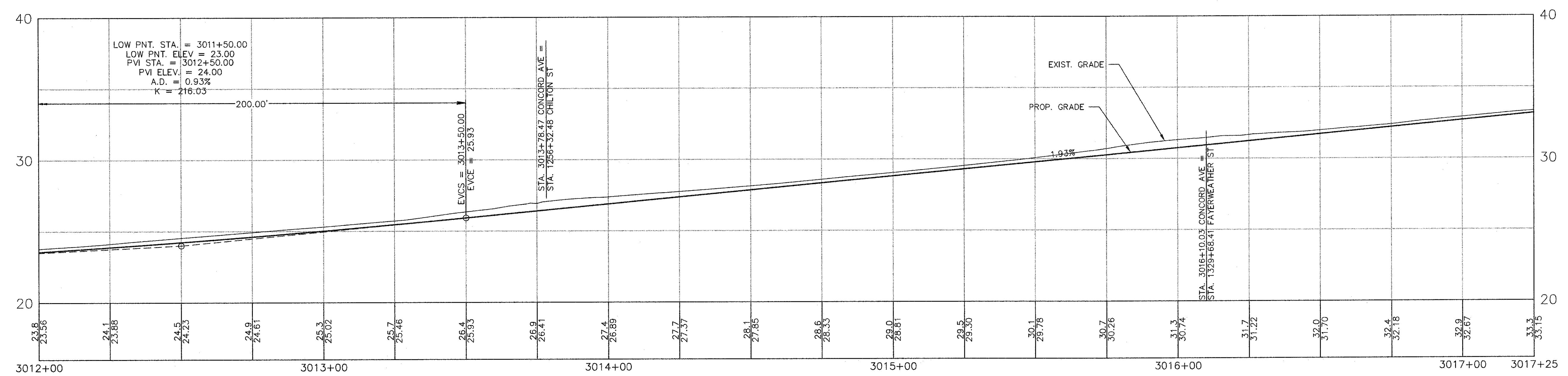
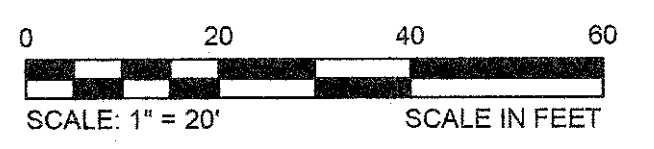
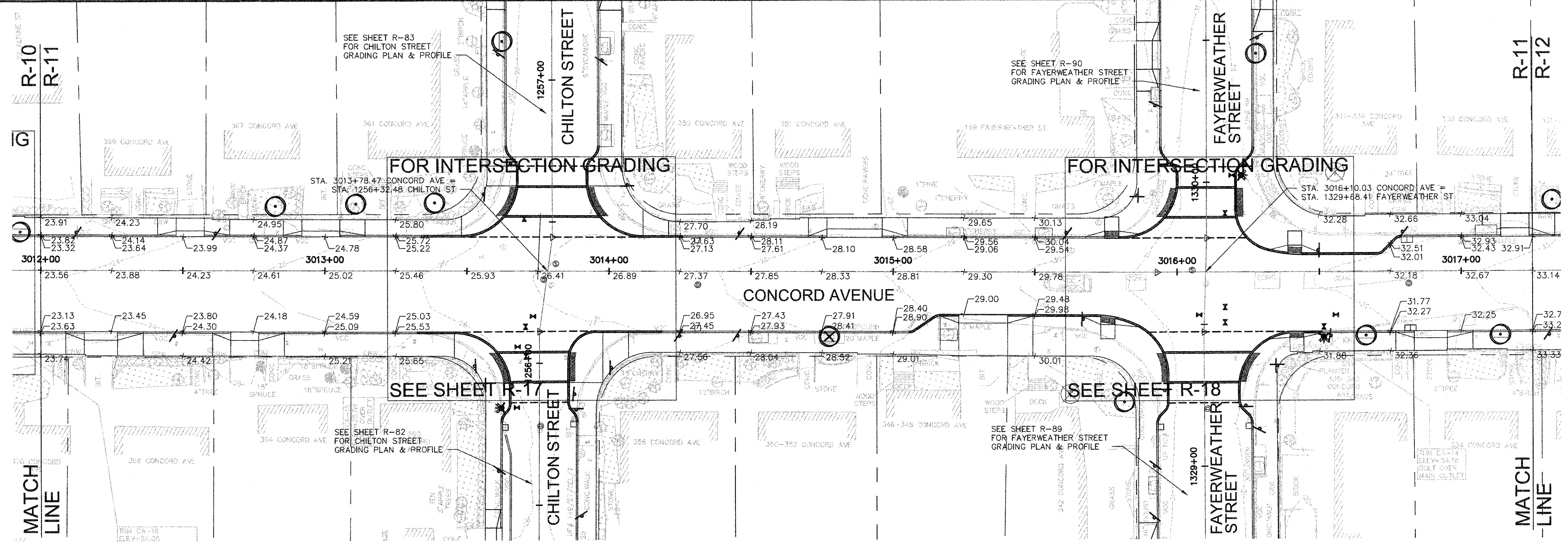


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



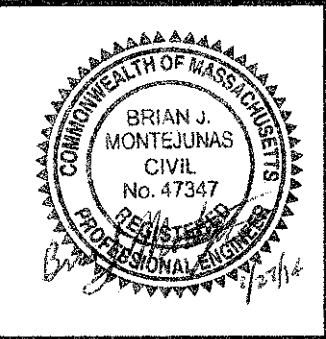
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3006+75 TO 3012+00

Sheet	R-10
File No.	6228

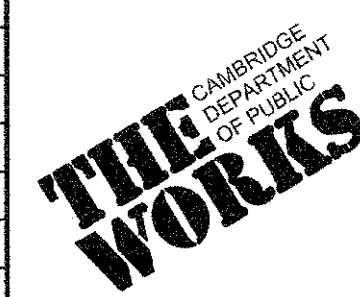


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CAD FILE: G:\clients\cambridge\MA2012256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_ConcordAve.dwg LAYOUT: Grading - ConcordAve.dwg PLOTTED: 10/27/2013 8:05 PM BY: ben.moskader

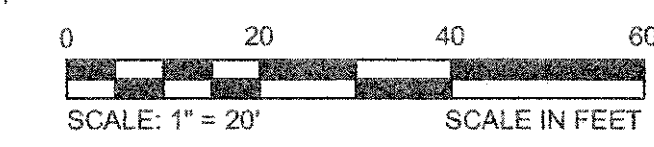
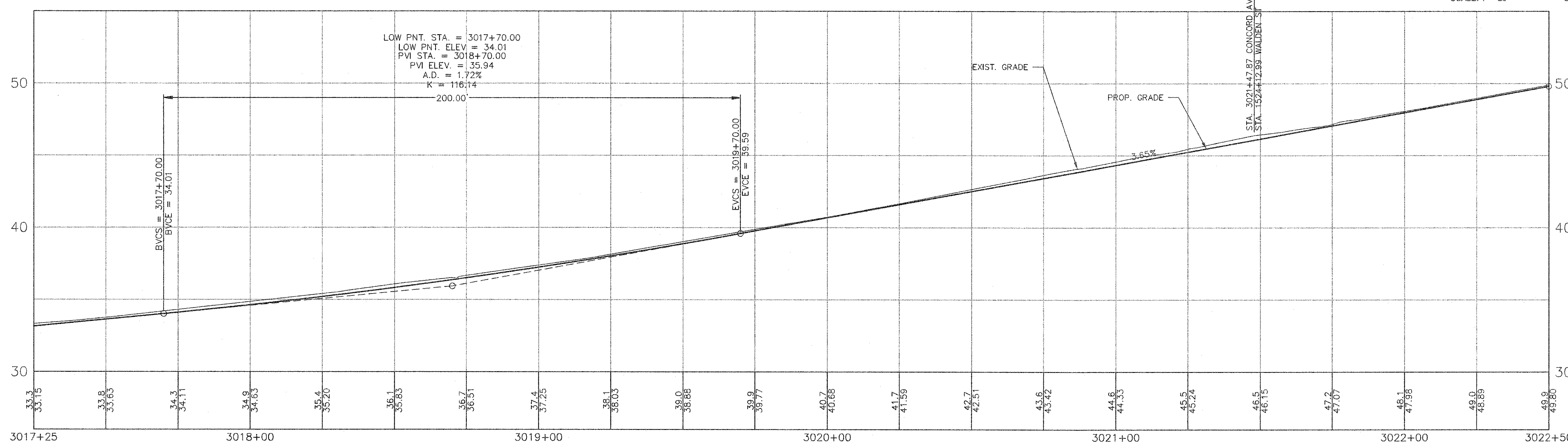
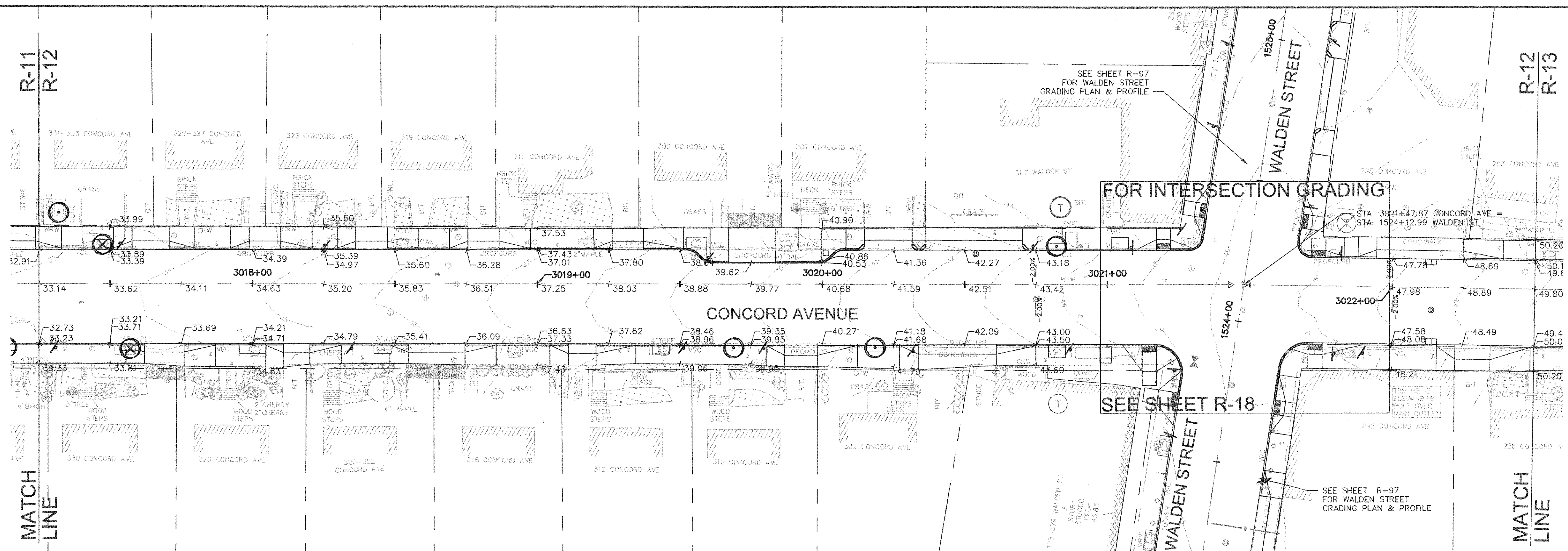


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM

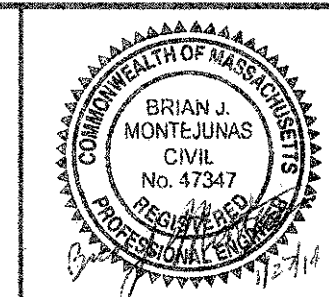


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3012+00 TO 3017+25

Sheet	R-11
File No.	



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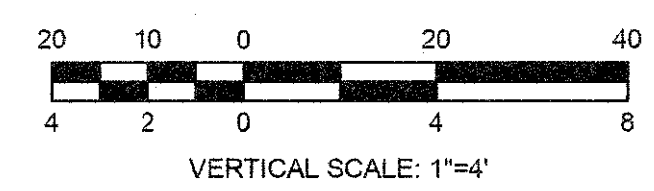
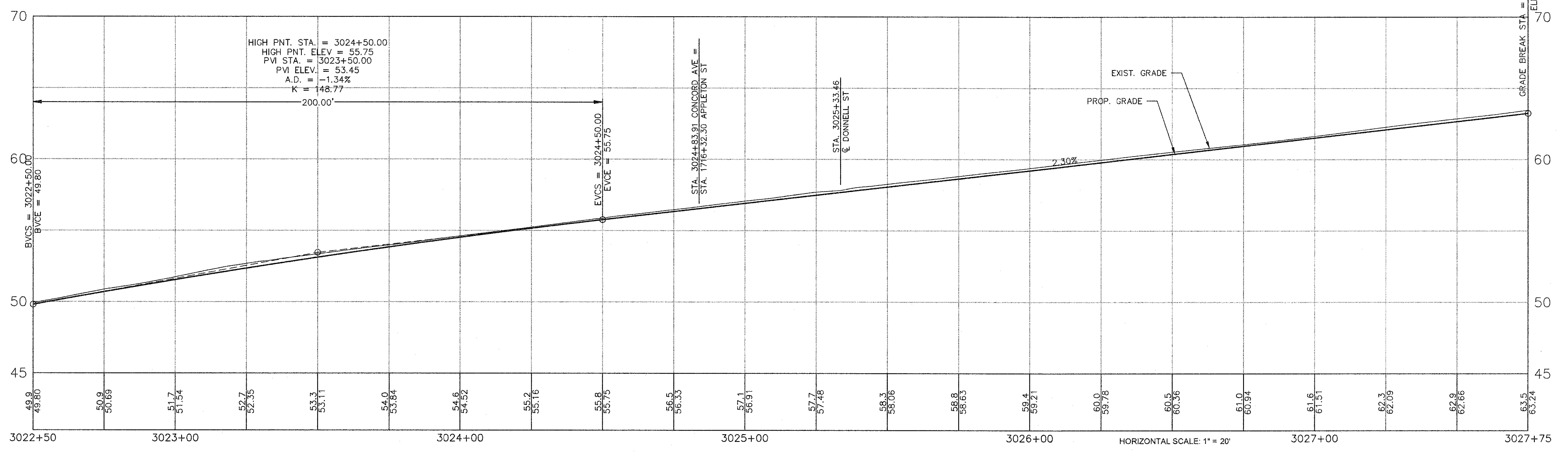
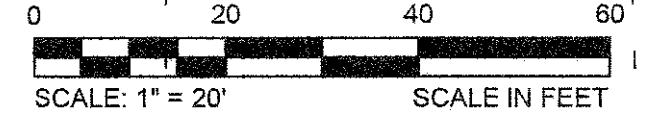
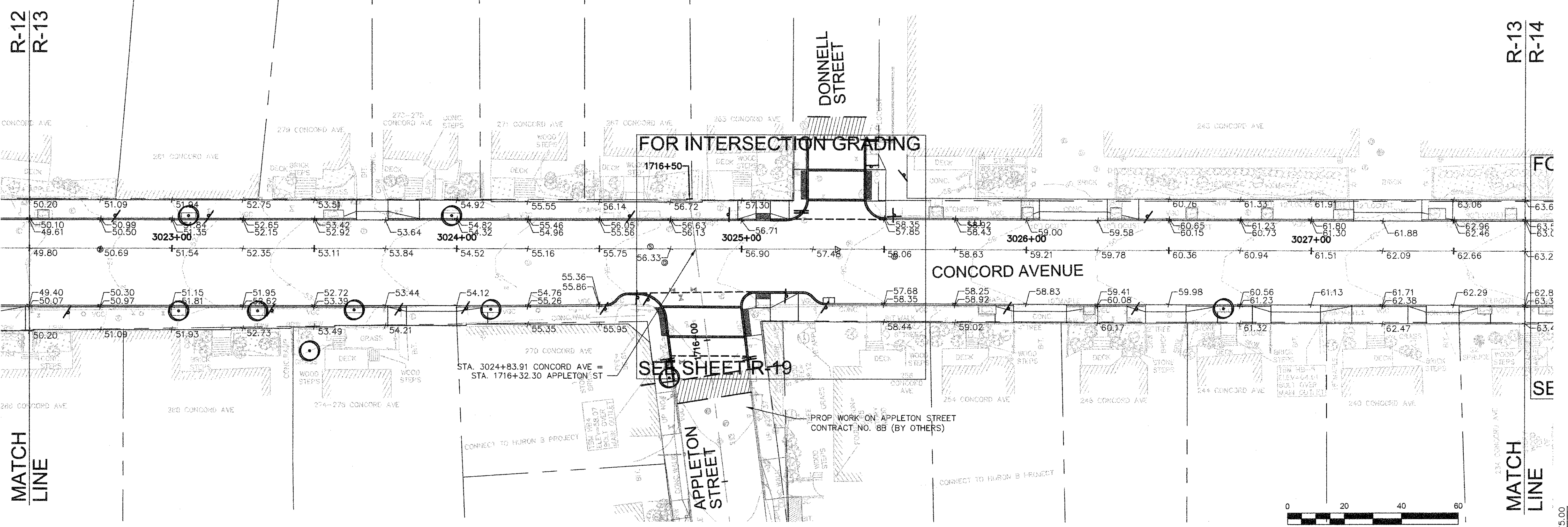
Scale	AS NOTED
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Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3017+25 TO 3022+50

Sheet	R-12
File No.	6228

CONFORMED SET

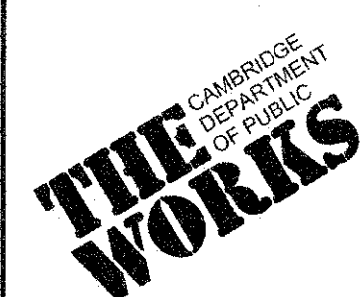


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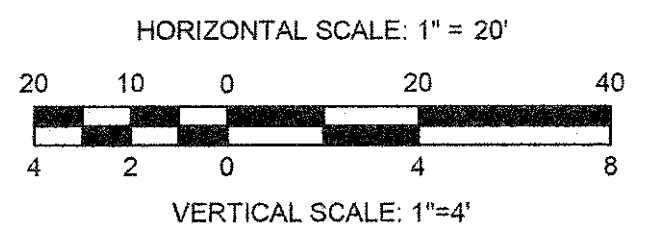
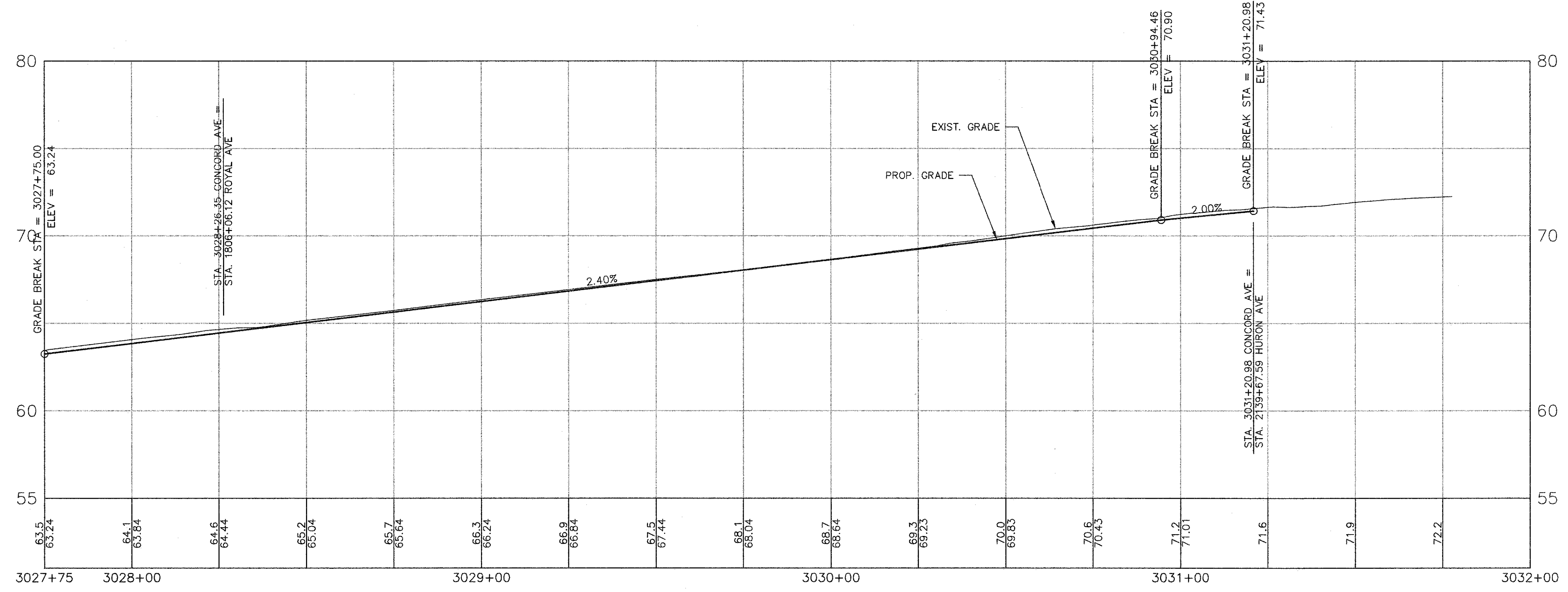
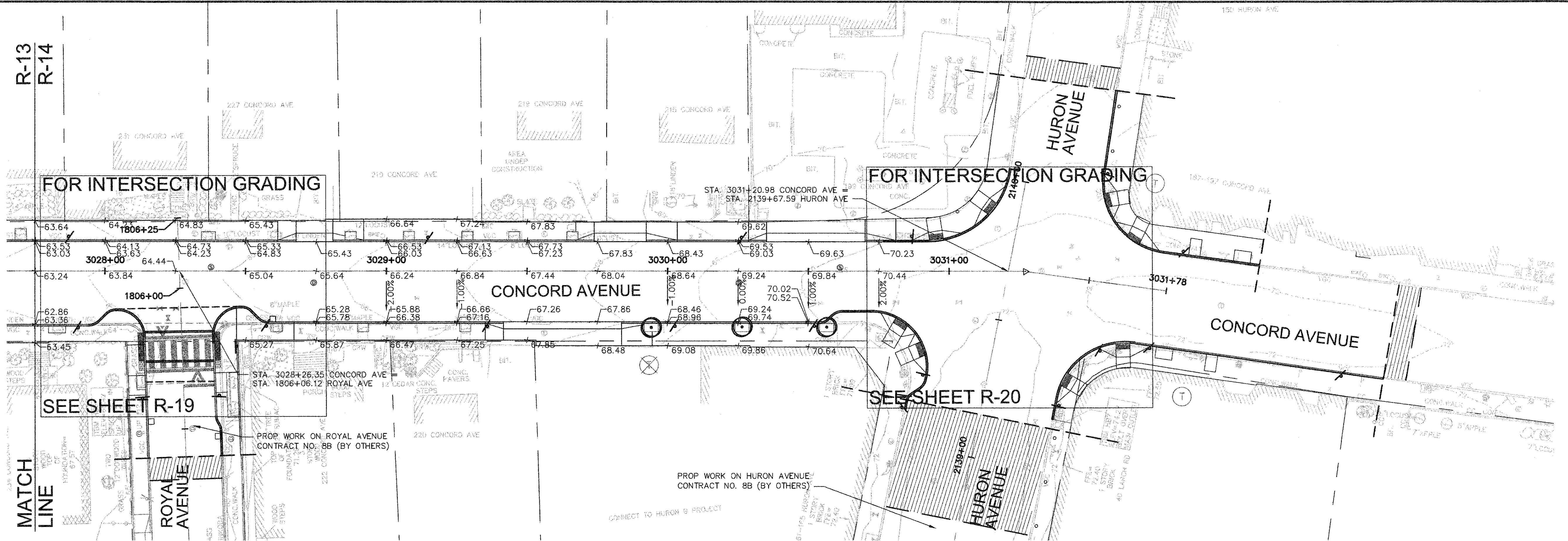
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
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Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



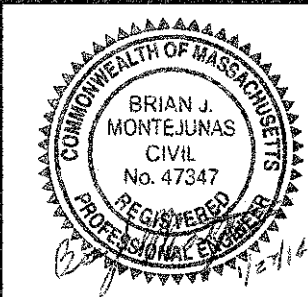
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3022+50 TO 3027+75

Sheet	R-13
File No.	

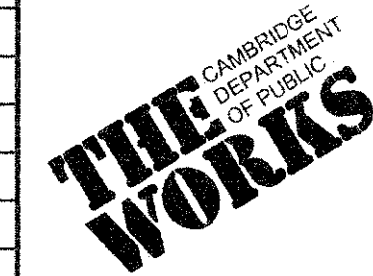
CAD FILE: G:\clients\cambridge\MA2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_ConcordAve.dwg LAYOUT: Grading - ConcordAve7 PLOTTED: 10/27/2013 5:48 PM BY: hem.stoddard



CONFORMED SET



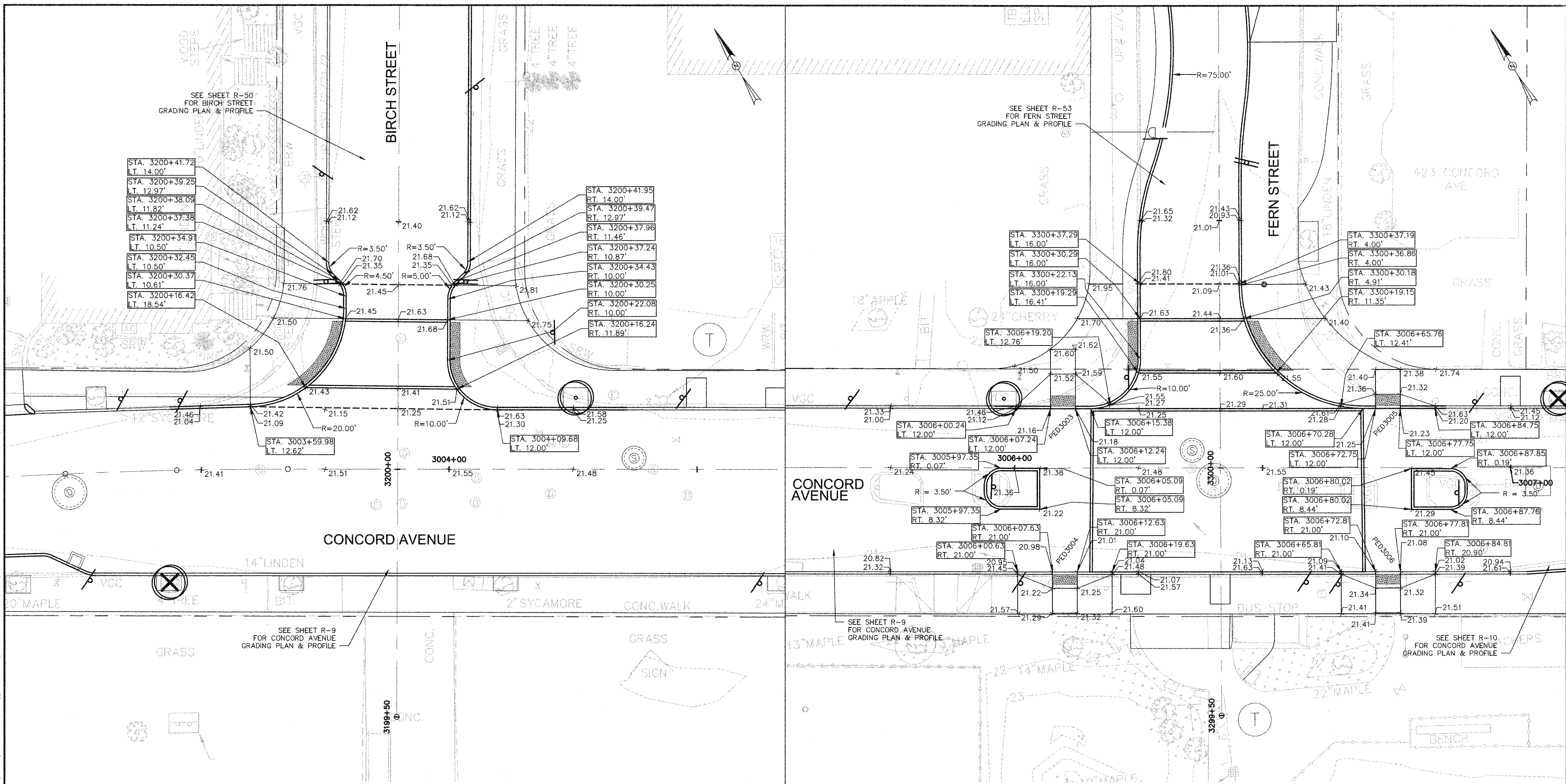
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CONCORD AVENUE STA 3027+75 TO 3032+90

Sheet	R-14
File No.	

CAD FILE: G:\clients\cambridge\MA\2012256\1-A - Concord Ave (Contract 9)\Drawings\Production\Drawings\Grading\Plan\IntersectionGrading_ConcordAve.dwg
 LAYOUT: IntersectionGrading - Concord 1 PLOTTED: 2/12/2014 10:11 AM BY: Kyle Angles

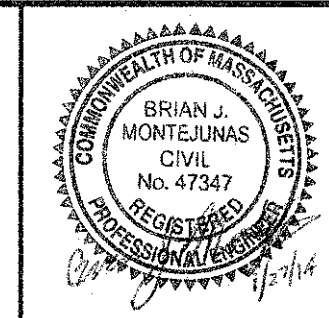


CONCORD & BIRCH PLAN
SCALE: 1" = 10'

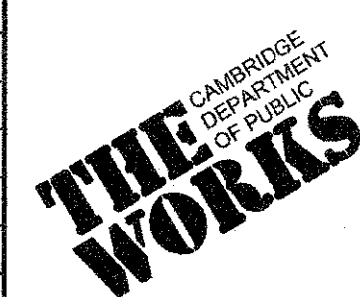
CONCORD & FERN PLAN
SCALE: 1" = 10'



CONFORMED SET



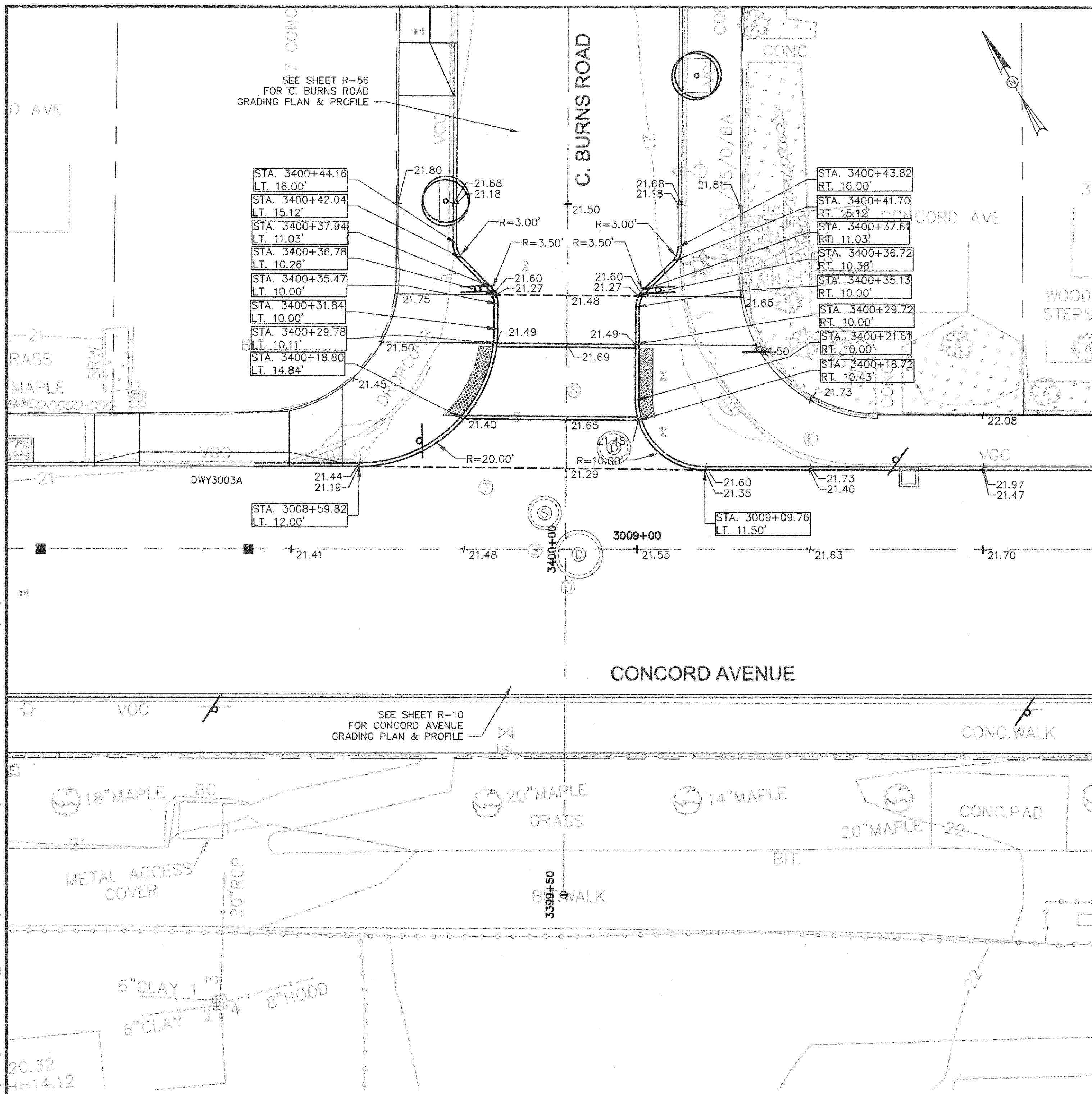
Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



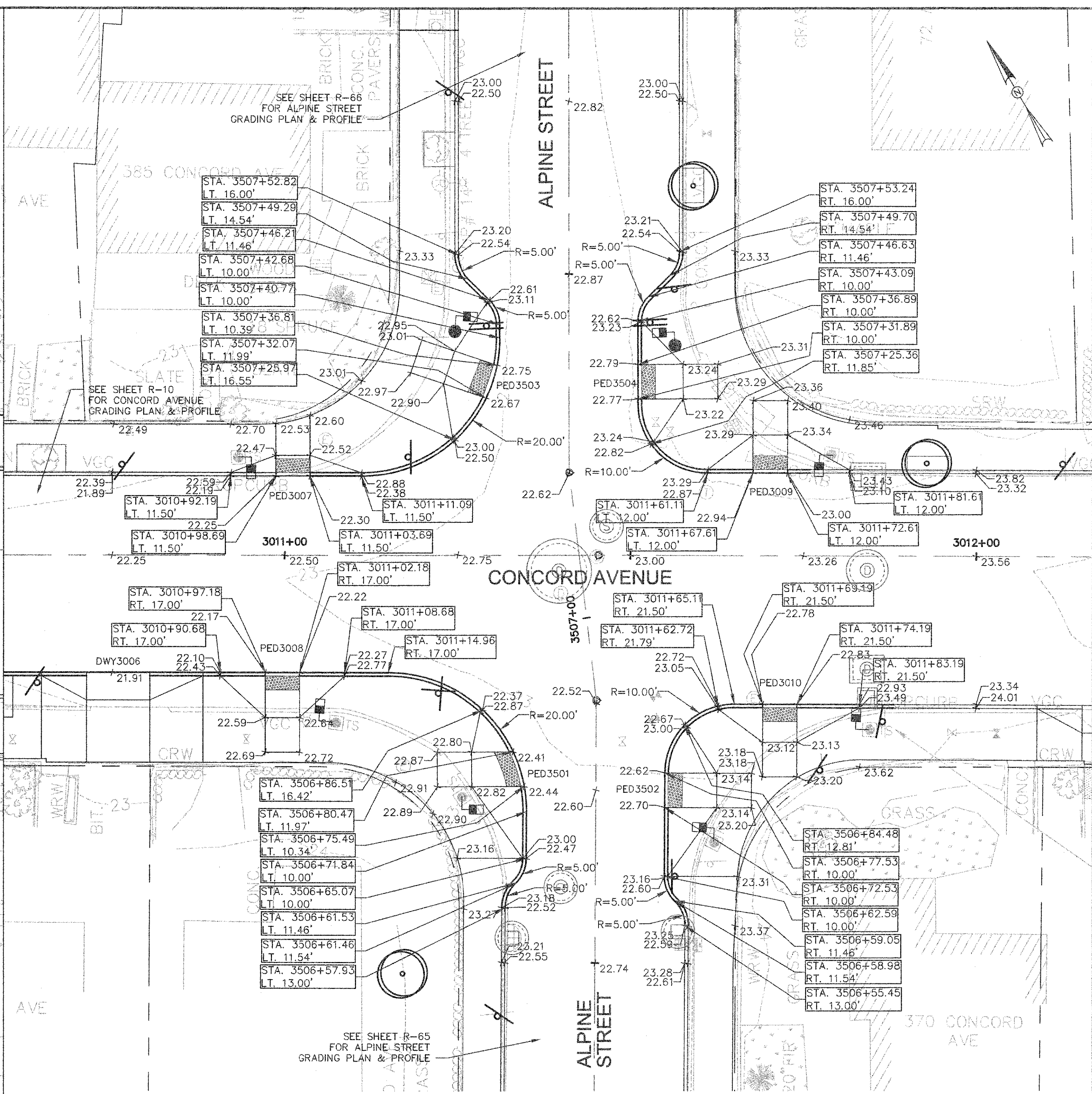
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN CONCORD AVENUE 1 OF 6

Sheet	R-15
File No.	6228

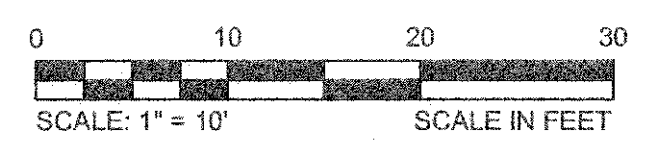
CAD FILE: G:\client\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\IntersectionGrading_ConcordAve.dwg
 LAYOUT: IntersectionGrading_ConcordAve.dwg
 PLOTTED: 2/12/2014 10:12 AM BY: Kyle Ingalls



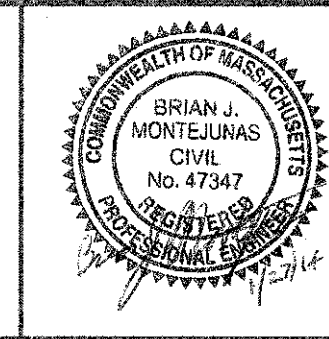
CONCORD & C. BURNS PLAN
SCALE: 1" = 10'



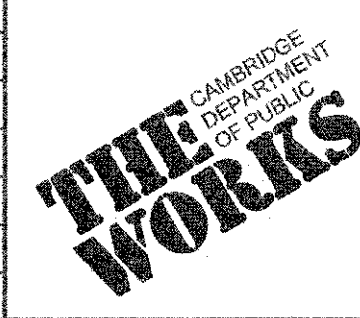
CONCORD & ALPINE PLAN
SCALE: 1" = 10'



CONFORMED SET



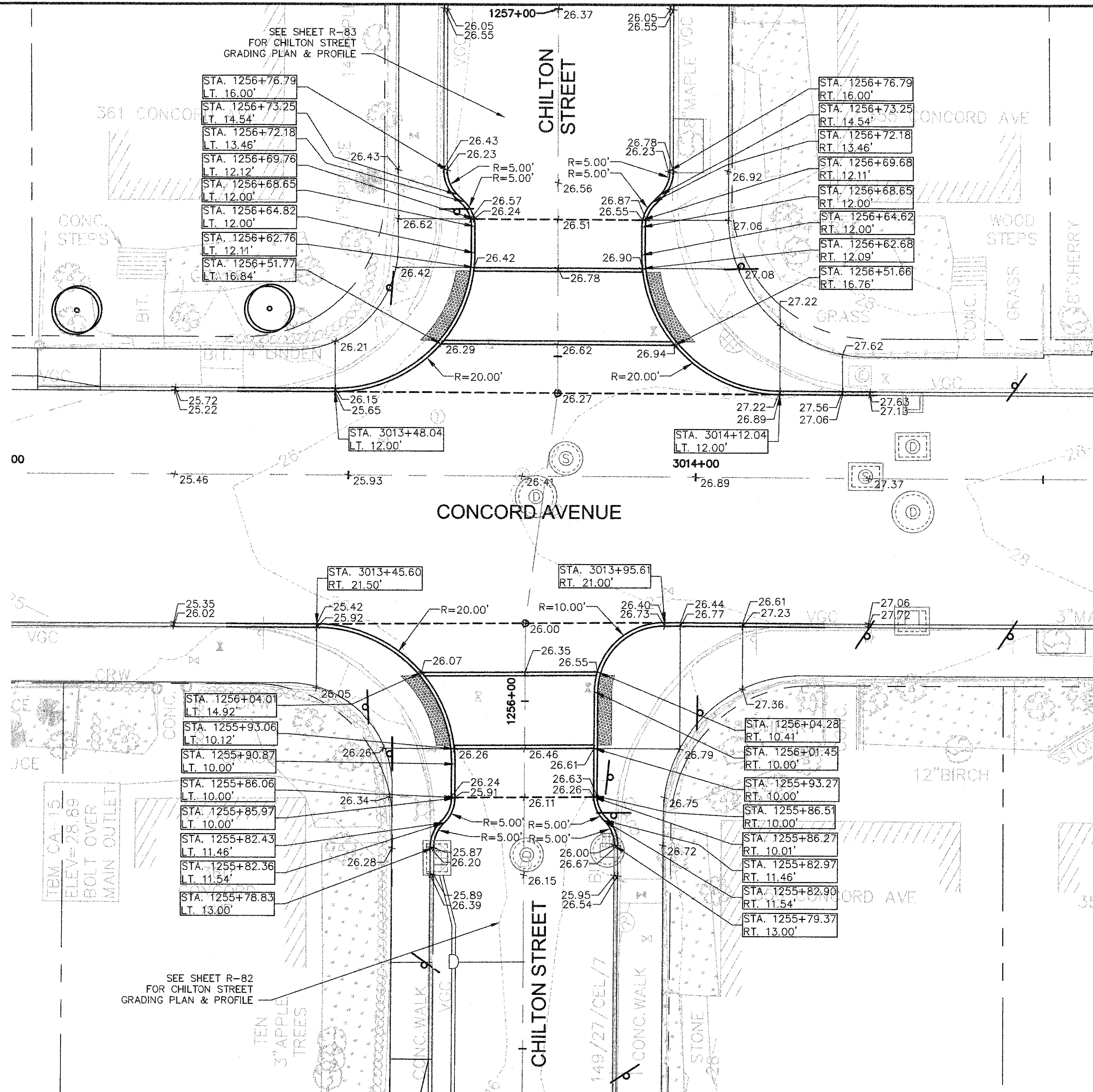
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



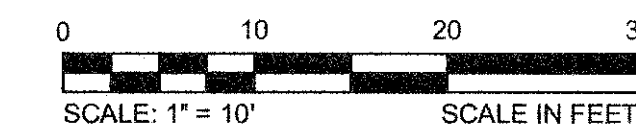
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN CONCORD AVENUE 2 OF 6

Sheet	R-16
File No.	6228

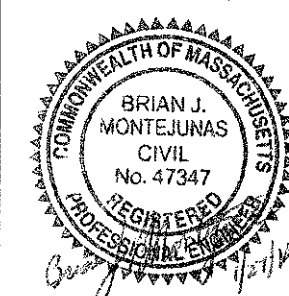
CAD FILE: G:\mhc\cambridge\Map2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\IntersectionGrading_ConcordAve.dwg
 LAYOUT: IntersectionGrading_ConcordAve.dwg
 PLOTTED: 2/12/2014 10:12 AM BY: rye angles



CONCORD & CHILTON PLAN
 SCALE: 1" = 10'



CONFORMED SET

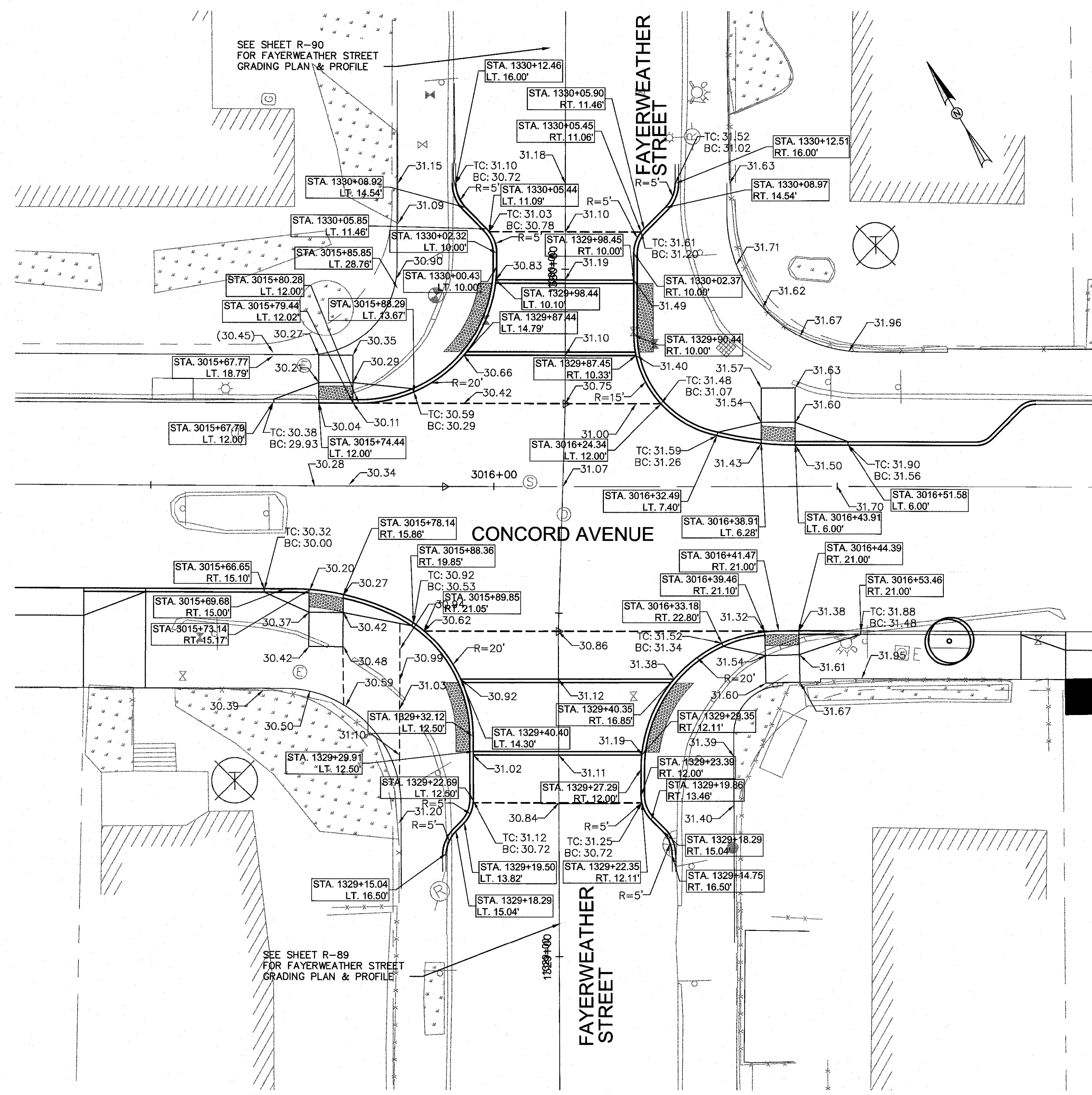


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS

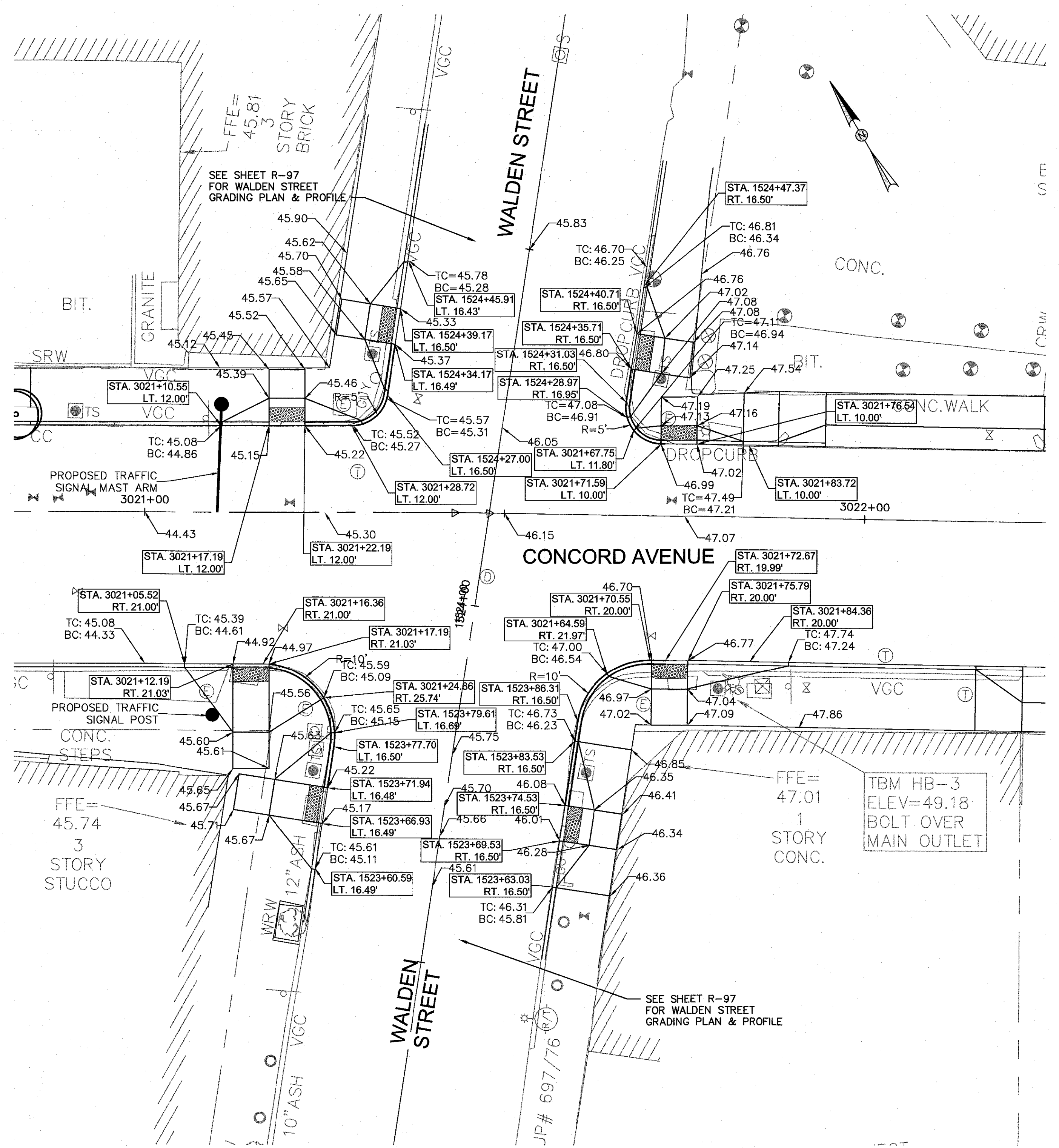


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN CONCORD AVENUE 3 OF 6

Sheet	R-17
File No.	6228

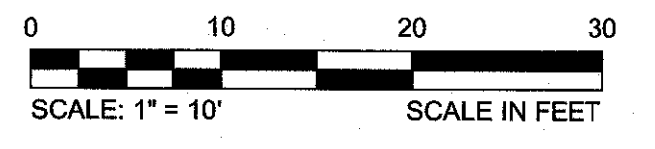


CONCORD & FAYERWEATHER PLAN
SCALE: 1" = 10'



CONCORD & WALDEN PLAN
SCALE: 1" = 10'

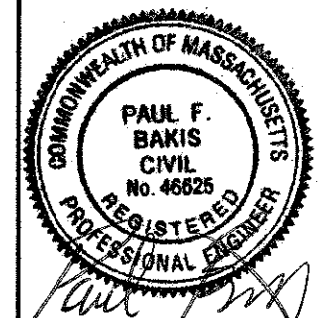
- LEGEND:**
- (XX.XX) EXISTING ELEVATION
 - XX.XX PROPOSED ELEVATION
 - TC TOP OF CURB
 - BC BOTTOM OF CURB



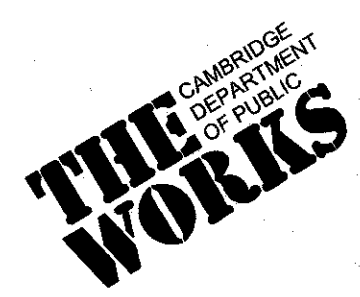
CONFORMED SET



HDR
HDR ENGINEERING, INC.
695 ATLANTIC AVENUE, 2FL
BOSTON, MASSACHUSETTS 02111-2626
(617) 357-7700

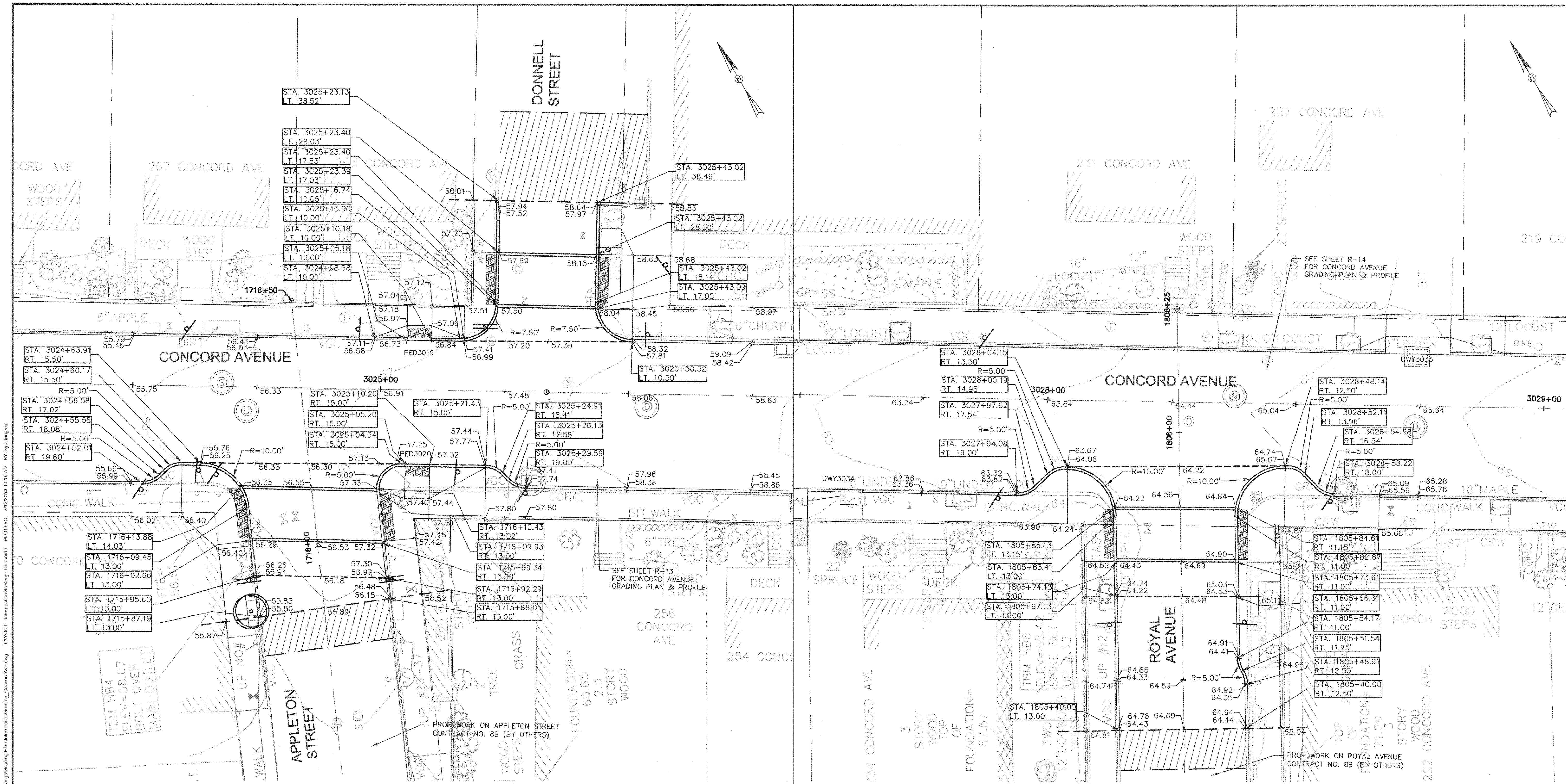


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	PFB/JEC		
Drawn by	JBC		
Checked by	KPM	No.	Description
Approved by	GMF		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-18
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	
Drawing	ROADWAY - INTERSECTION GRADING PLAN CONCORD AVENUE 4 OF 6		

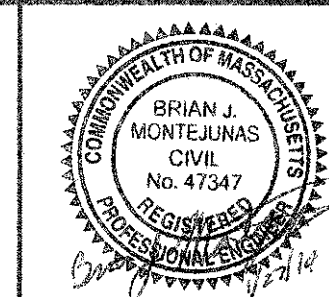
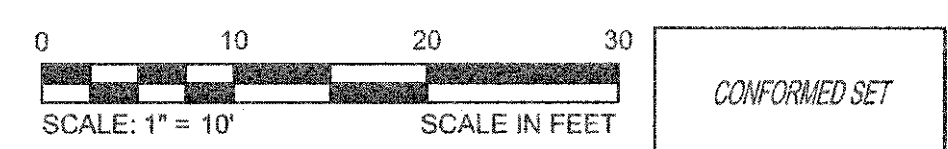
PLOTTED: 2/10/2014 12:08 PM BY: bakis, paul
 CAD FILE: C:\working\010108724\IntersectGrading_Concord.dwg LAYOUT: IntersectGrading_Concord 4 (HDR)



CONCORD AVE, APPLETON ST & DONNELL ST PLAN
SCALE: 1" = 10'

CONCORD AVE & ROYAL AVE PLAN
SCALE: 1" = 10'

CAD FILE: G:\Users\Cambridge MA\2012256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\IntersectionGrading_ConcordAve.dwg
 LAYOUT: IntersectionGrading_Concord 5 PLOTTED: 2/12/2014 10:15 AM BY: Kyle Langille



Scale	AS NOTED			
Date	FEBRUARY 2014			
Job No.	20120256.001A			
Designed by	TAL/JRB/FMM			
Drawn by	KJL/DRM/BMS/DRB			
Checked by	CMC/TJR	No.	Description	Date
Approved by	BJM		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN CONCORD AVENUE 5 OF 6

Sheet	R-19
File No.	6228



LEGEND:

- (XX.XX) EXISTING ELEVATION
- XX.XX PROPOSED ELEVATION
- TC TOP OF CURB
- BC BOTTOM OF CURB

PROP WORK ON HURON AVENUE
CONTRACT NO. 8B (BY OTHERS)

CONCORD & HURON PLAN
SCALE: 1" = 10'

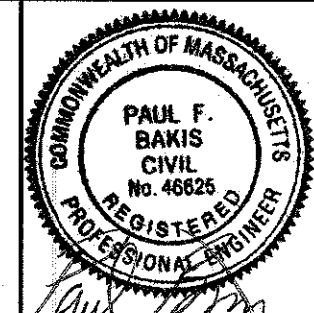


CONFORMED SET

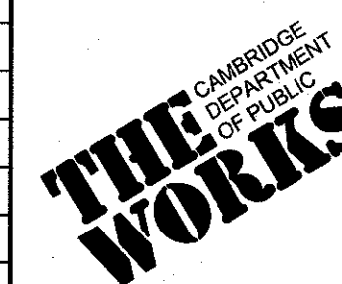
CAD FILE: C:\working\plandwg\02\IntersectioGrading_ConcordAve.dwg LAYOUT: IntersectioGrading - Concord 6 (HDR) PLOTTED: 2/10/2014 11:43 AM BY: baki, paul



HDR
HDR ENGINEERING, INC.
695 ATLANTIC AVENUE, 2FL
BOSTON, MASSACHUSETTS 02111-2626
(617) 357-7700

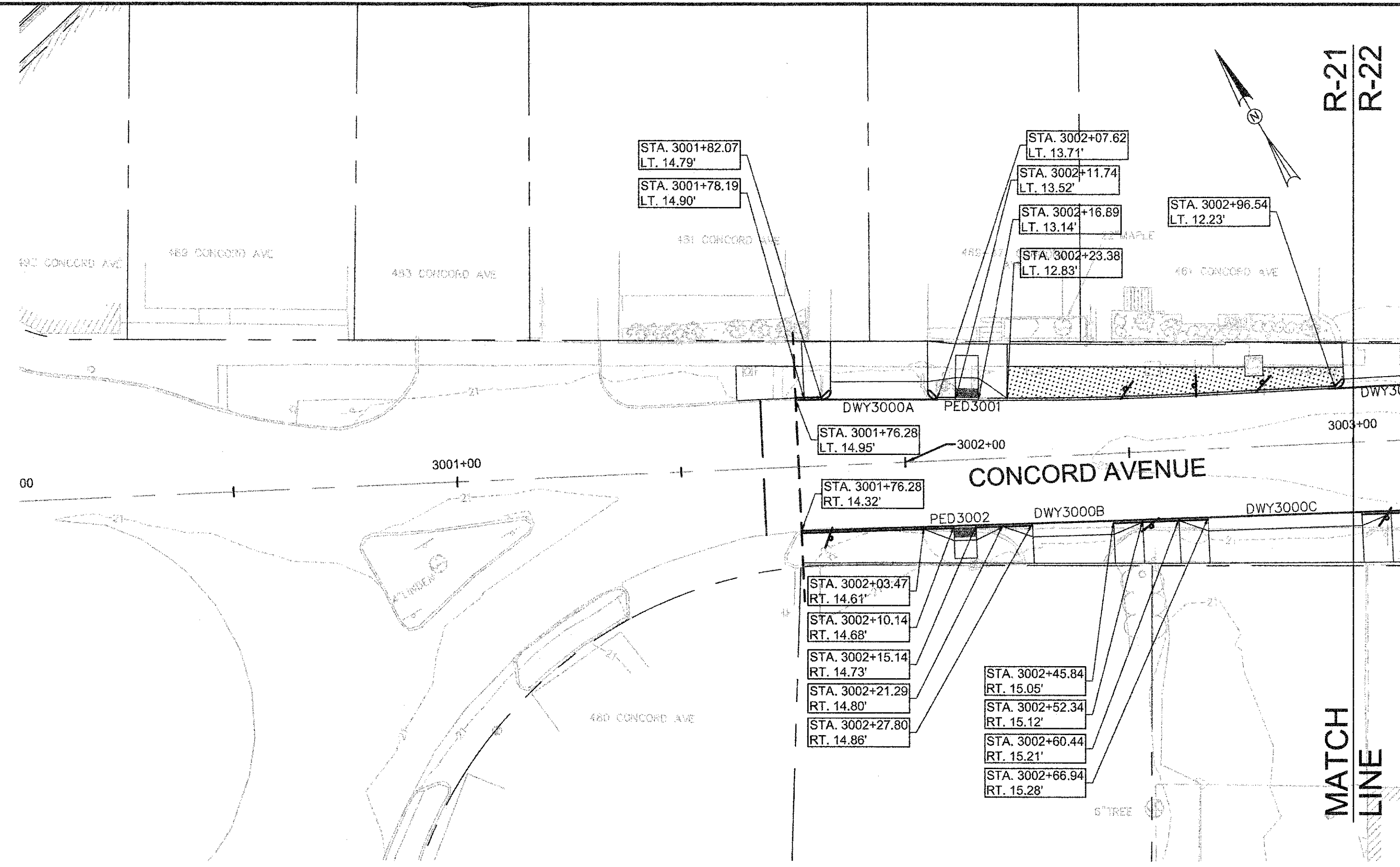


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	PFB/JEC		
Drawn by	JBC		
Checked by	KPM	No.	Description
Approved by	GMF		REVISIONS



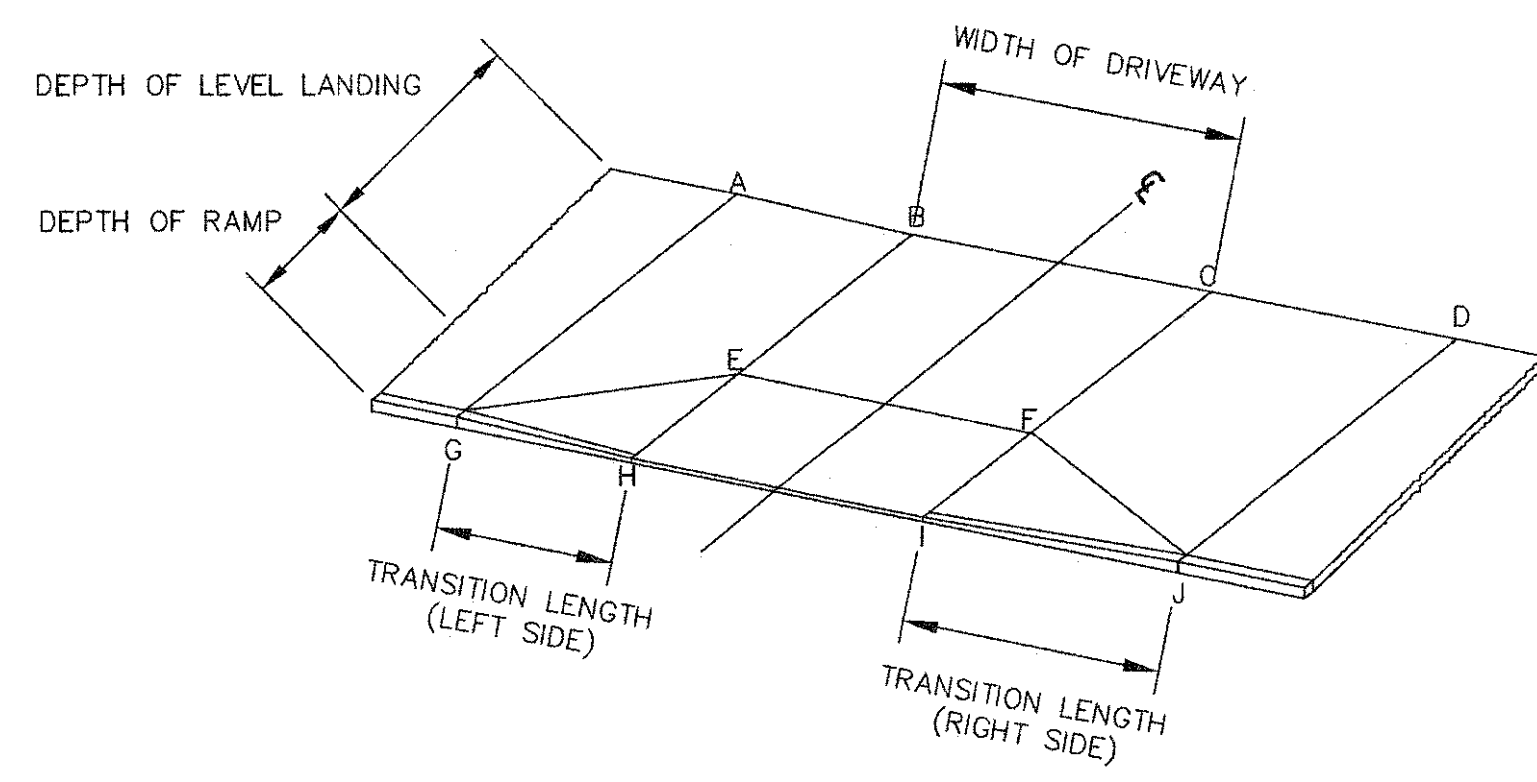
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN CONCORD AVENUE 6 OF 6

Sheet	R-20
File No.	



CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3000A	4.00	4.00	9.00	9.00	21.50	6.50	-	21.14	21.14	21.06	-	21.00	20.92	20.97	20.47	20.46	20.56	-	-
3000B	3.00	3.00	6.50	6.00	18.04	6.50	6.50	21.27	21.13	21.04	21.00	21.05	20.96	21.22	20.72	20.69	20.62	20.93	20.60
3000C	3.00	3.00	8.25	7.25	34.29	6.50	6.50	21.35	21.32	21.17	21.30	21.22	21.07	21.26	20.93	20.90	20.78	21.25	20.75



TYPICAL RAMP LEGEND
SCALE: N.T.S.

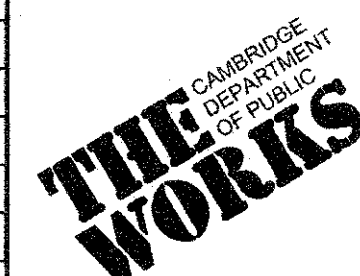


CONFORMED SET

CAD FILE: G:\clients\Cambridge\MA20122266.01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_ConcordAve.dwg
 LAYOUT: CurbTie_ConcordAve1 PLOTTED: 2/11/2014 10:46 AM BY: Kyle Lemjole

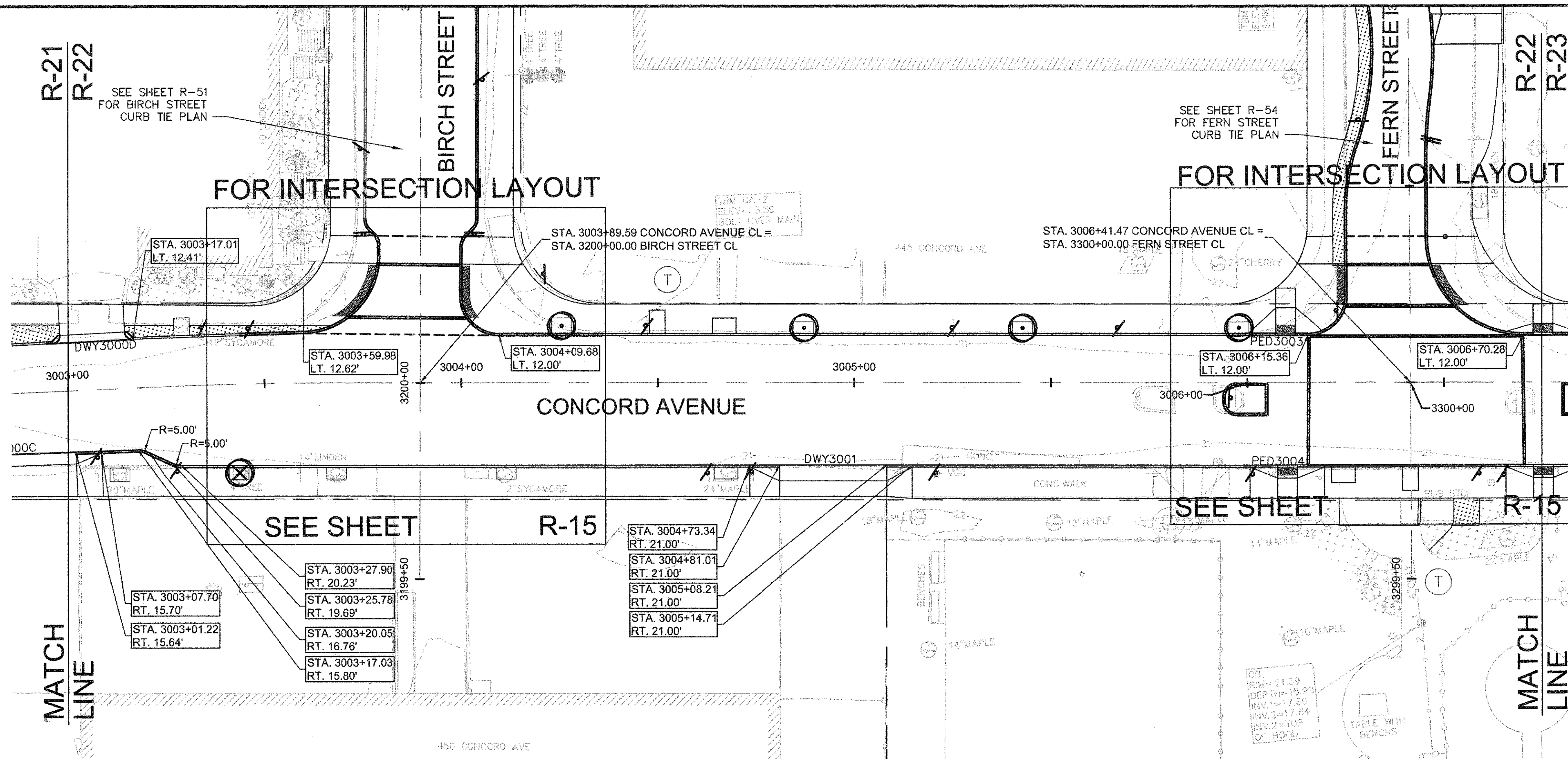


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



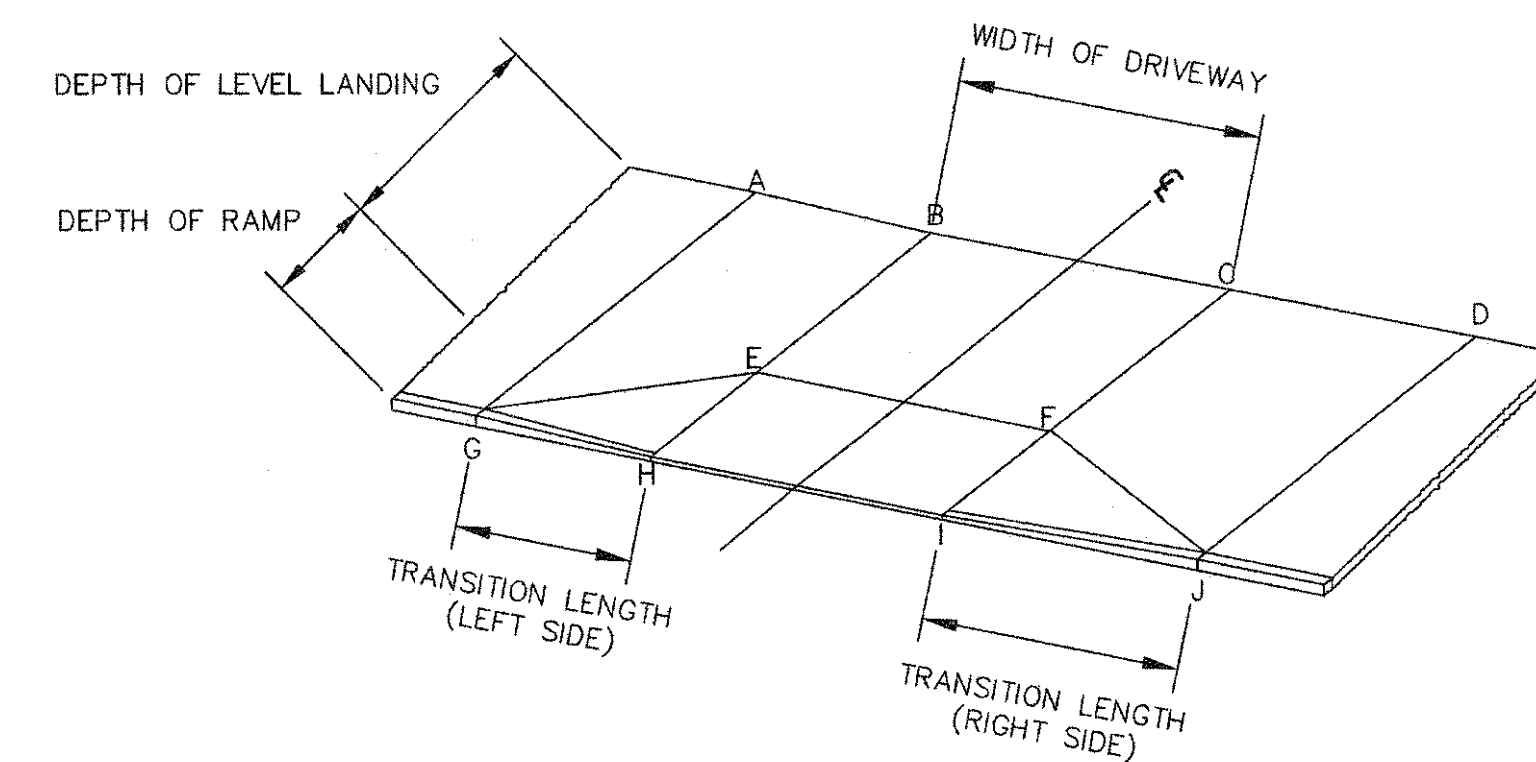
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3001+76 TO 3003+00

Sheet	R-21
File No.	6228

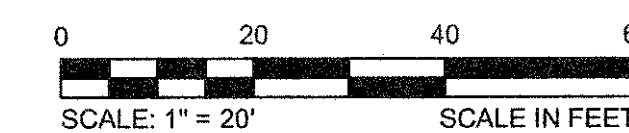


CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3000D	2.00	2.00	8.00	7.00	16.47	-	-	-	21.1	21.29	-	21.05	21.21	-	-	20.86	20.91	-	-
3001	4.00	4.00	4.00	4.00	27.20	6.50	7.67	21.40	21.37	21.52	21.60	21.33	21.45	21.25	20.65	20.67	20.79	21.48	20.82

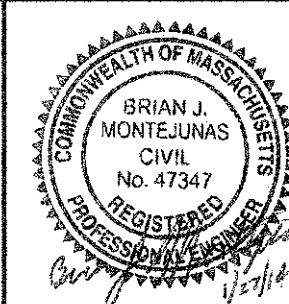


TYPICAL RAMP LEGEND
SCALE: N.T.S.

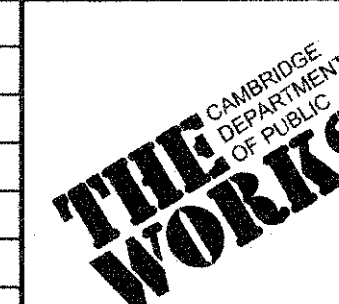


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA2012256\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurTie_ConcordAve.dwg
 LAYOUT: CurTie - ConcordAve - PLOTTED: 2/11/2014 10:49 AM BY: Kyle Langolis

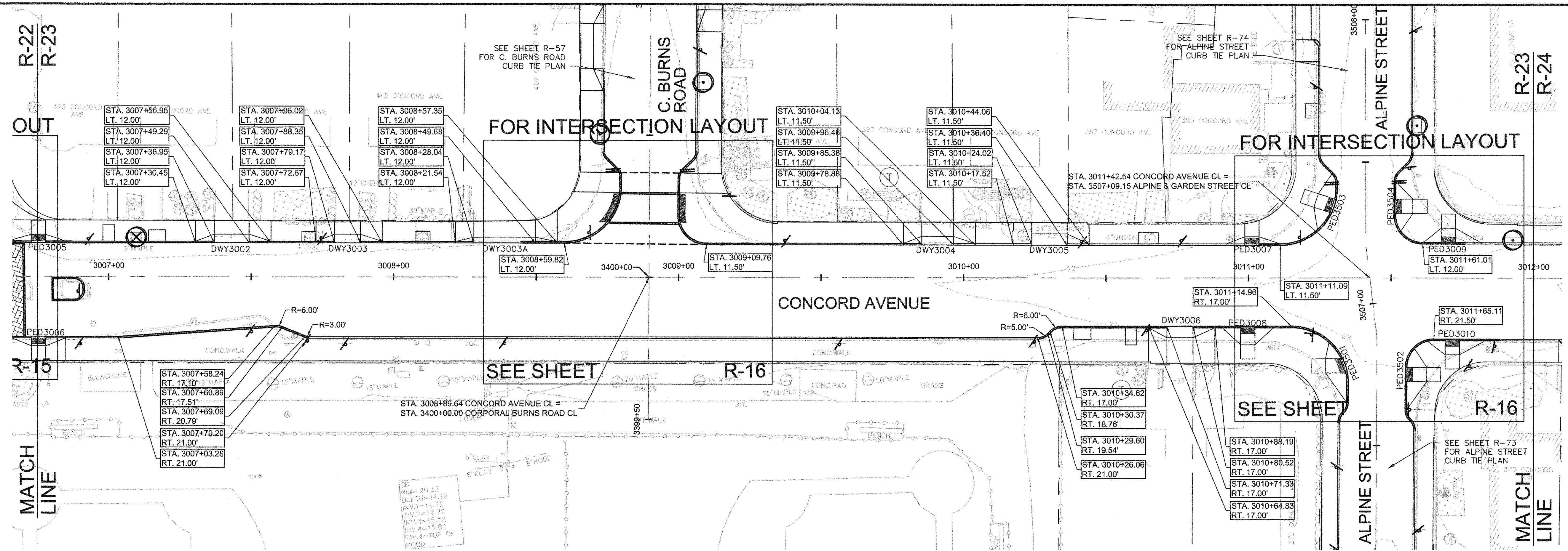


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



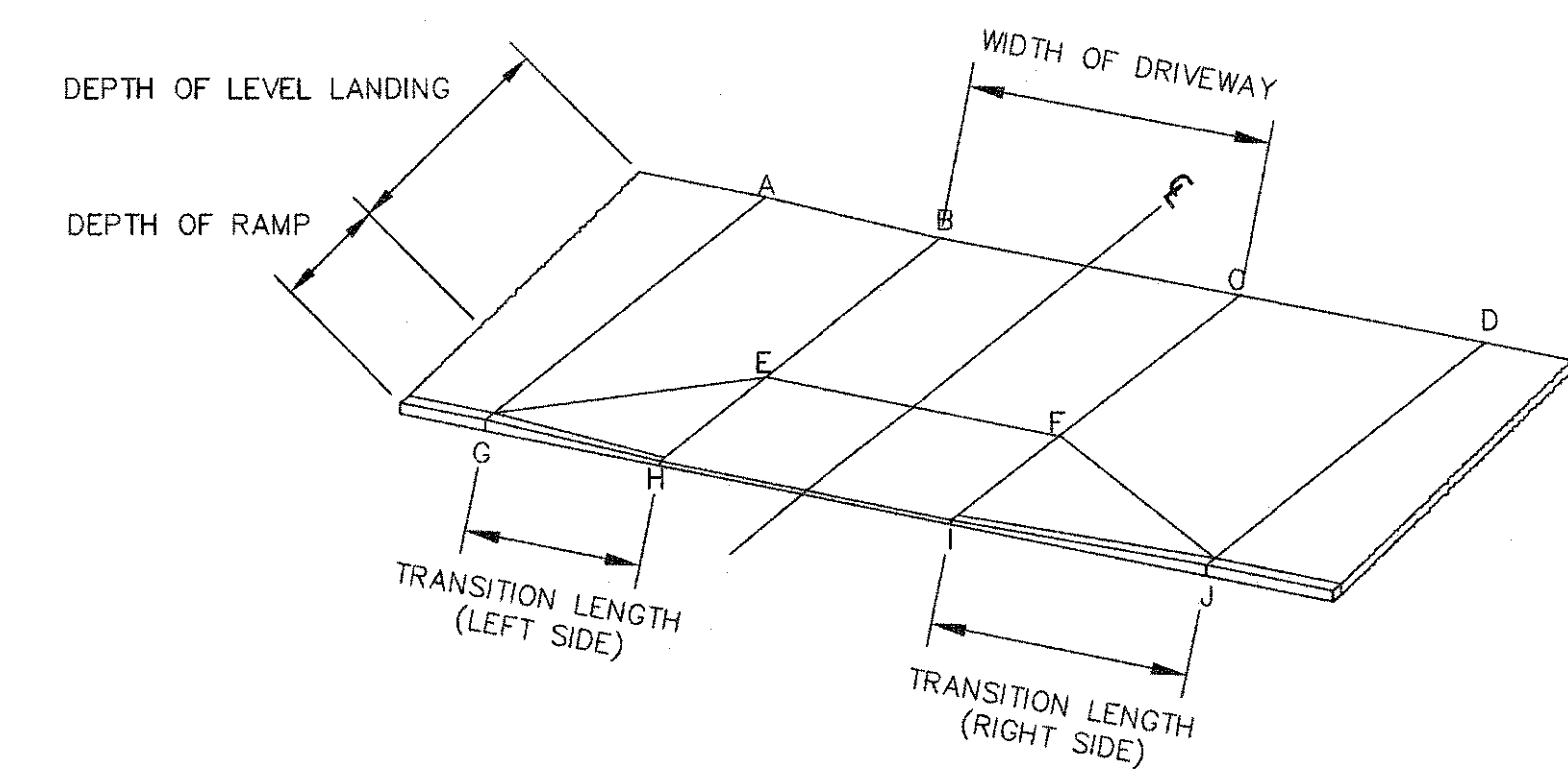
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3003+00 TO 3006+75

Sheet	R-22
File No.	6228



CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3002	3.00	3.00	4.50	4.50	12.34	6.50	7.67	21.35	21.29	21.31	21.30	21.23	21.25	21.31	20.98	20.95	20.92	21.26	20.93
3003	3.00	3.00	4.50	4.50	9.18	6.50	7.67	21.38	21.50	21.44	21.45	21.44	21.38	21.27	20.94	20.96	20.99	21.34	21.01
3003A	2.00	2.00	5.50	5.50	21.64	6.50	7.67	21.52	21.43	21.41	21.46	21.37	21.36	21.41	21.08	21.10	21.17	21.45	21.19
3004	3.00	3.00	5.00	5.00	11.09	6.50	7.67	21.95	22.04	21.97	21.98	21.96	21.89	21.89	21.56	21.58	21.61	21.96	21.63
3005	4.00	4.00	4.00	4.00	12.37	6.50	7.67	22.21	22.18	22.22	22.28	22.12	22.16	22.10	21.60	21.59	21.63	22.17	21.67
3006	4.00	4.00	9.00	9.00	9.18	7.67	6.50	22.66	22.58	22.55	22.48	22.43	22.40	22.42	22.08	21.96	21.88	22.24	21.83

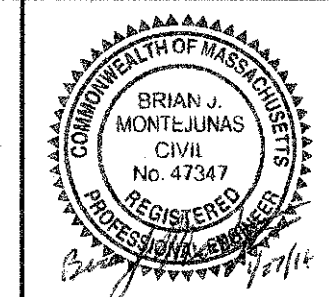


TYPICAL RAMP LEGEND
SCALE: N.T.S.

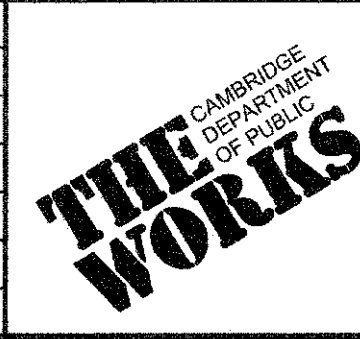


CONFORMED SET

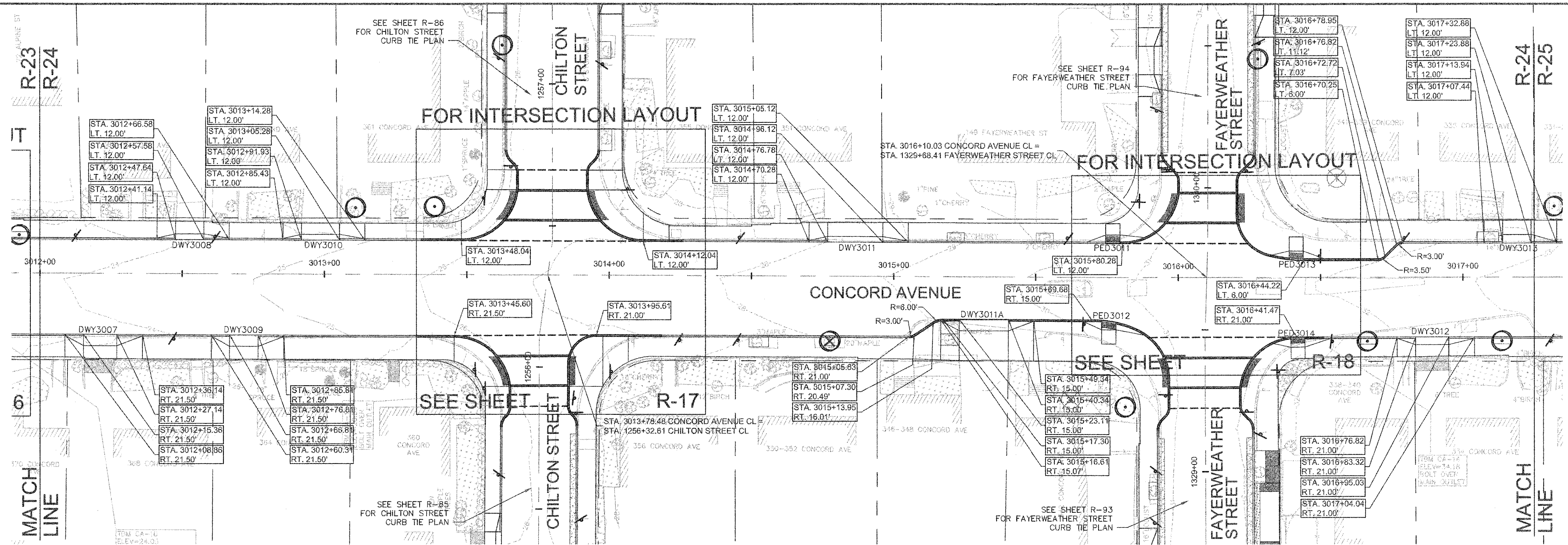
CAD FILE: G:\clients\cambridge\MA\012566\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plans\CurbTie_ConcordAve.dwg
 LAYOUT: CurbTie - ConcordAve3 PLOTTED: 2/11/2014 10:49 AM BY: Ryan Anglin



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

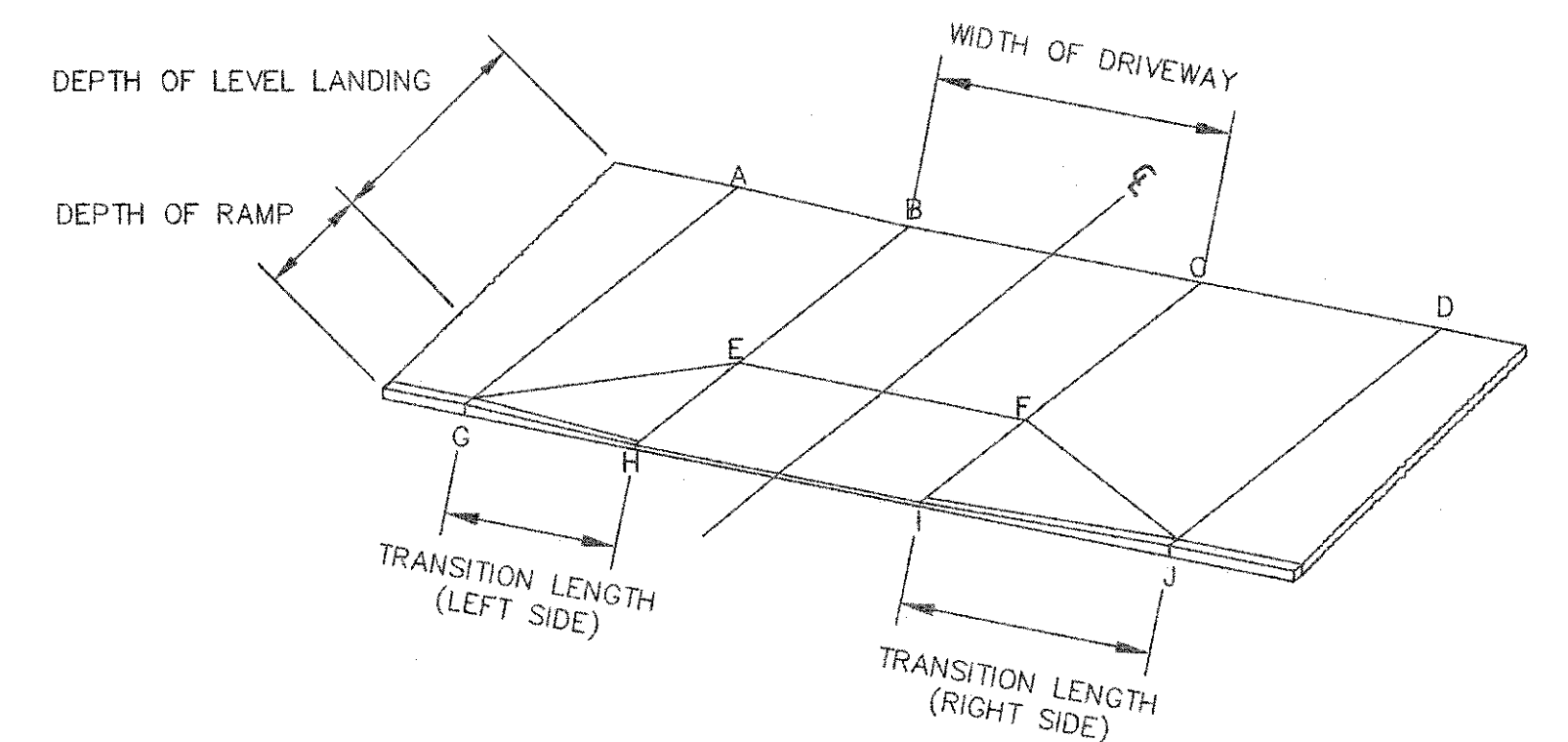


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-23
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3006+75 TO 3012+00		



CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3007	4.00	4.00	4.50	4.00	11.78	9.00	6.50	24.44	24.35	24.21	24.27	24.32	24.20	24.32	23.82	23.70	23.54	24.12	23.46
3008	2.00	2.00	4.50	4.50	9.93	6.50	9.00	24.43	24.31	24.52	24.82	24.25	24.46	24.37	23.87	23.96	24.11	24.75	24.25
3009	4.00	4.00	4.50	4.50	10.00	9.00	6.50	25.19	24.95	24.60	24.70	24.90	24.55	25.07	24.57	24.42	24.27	24.67	24.17
3010	2.00	2.00	4.00	4.00	13.35	6.50	9.00	25.09	25.09	25.28	25.57	25.02	25.22	25.05	24.55	24.65	24.88	25.53	25.03
3011	2.00	2.00	5.00	5.00	19.35	6.50	9.00	28.54	28.52	28.70	29.22	28.46	28.66	28.50	28.00	28.13	28.50	29.18	28.68
3011A	4.00	4.00	10.50	10.50	17.22	9.00	6.50	30.04	29.88	29.64	29.51	29.75	29.48	29.97	29.47	29.29	28.96	29.33	28.83
3012	2.75	2.75	4.00	4.25	11.71	9.00	6.50	32.91	32.70	32.49	32.40	32.63	32.41	32.82	32.32	32.15	31.93	32.30	31.80
3013	3.00	3.00	5.00	5.00	9.93	6.50	9.00	33.11	33.20	33.29	33.56	33.12	33.21	33.07	32.57	32.70	32.89	33.47	33.06

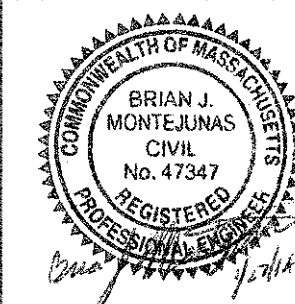


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

CAD FILE: G:\client\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\Curbs Tie_ConcordAve.dwg
 LAYOUT: Curbs Tie - ConcordAve.dwg
 PLOTTED: 2/11/2014 10:50 AM BY: lyle.lingard

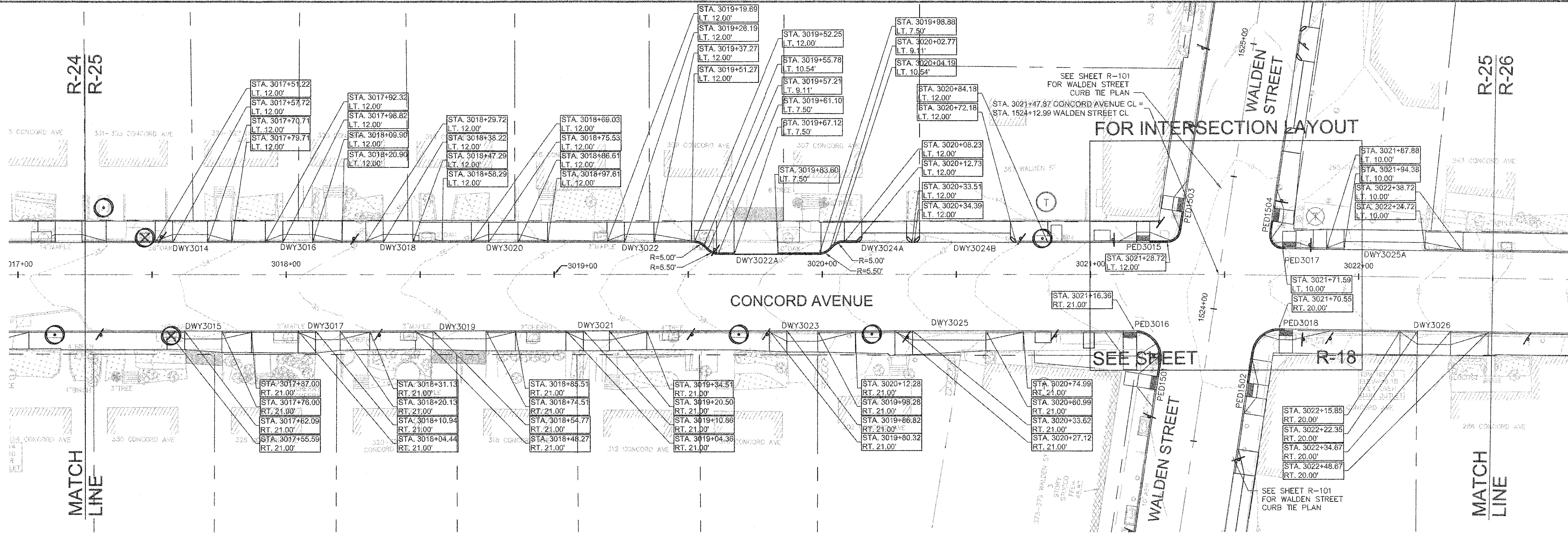


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



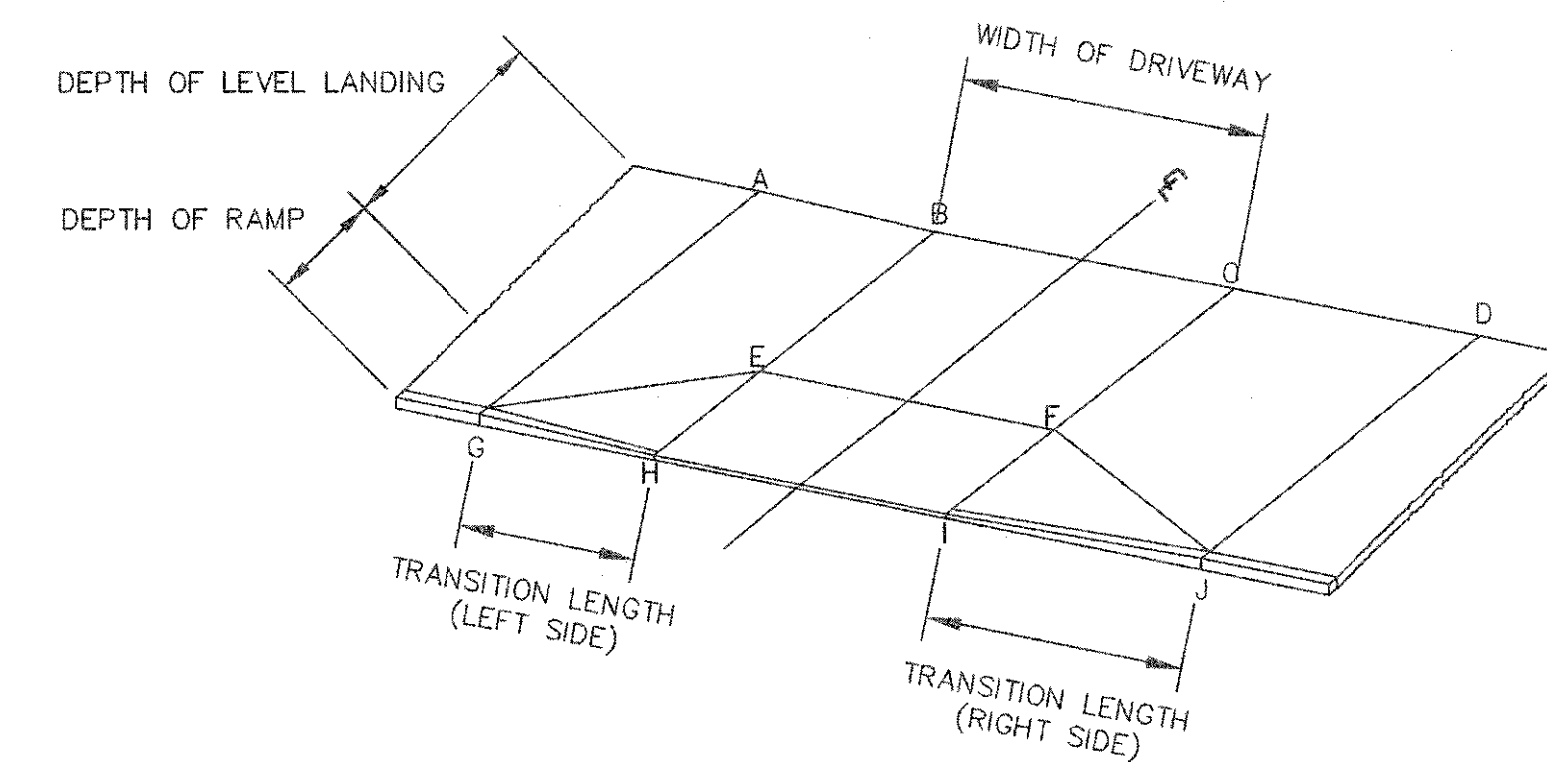
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3012+00 TO 3017+25

Sheet	R-24
File No.	6228

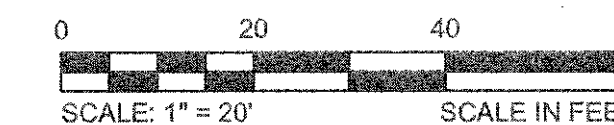


CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3014	3.00	3.00	5.00	5.00	12.99	6.50	9.00	34.03	34.01	34.26	34.42	34.00	34.23	33.92	33.42	33.54	33.79	34.38	33.97
3015	3.00	3.00	5.00	4.00	13.90	11.00	6.50	34.54	34.22	34.00	33.95	34.21	33.94	34.44	33.94	33.71	33.42	33.82	33.32
3016	3.00	3.00	5.00	5.00	11.07	6.50	11.00	34.64	34.82	35.00	35.33	34.76	34.97	34.60	34.23	34.37	34.62	35.28	34.87
3017	3.25	3.25	4.00	5.00	9.18	11.00	6.50	35.54	35.26	34.95	34.91	35.20	34.89	35.44	34.94	34.67	34.46	34.81	34.31
3018	3.00	3.00	5.00	5.00	11.07	6.50	11.00	35.50	35.72	35.87	36.28	35.66	35.81	35.49	35.08	35.24	35.52	36.14	35.81
3019	3.00	3.00	4.50	4.00	19.73	11.00	6.50	37.00	36.67	36.13	35.97	36.60	36.06	36.90	36.40	36.08	35.54	35.87	35.37
3020	3.00	3.00	4.50	4.50	11.07	6.50	11.00	36.55	36.80	36.95	37.37	36.74	36.89	36.44	36.11	36.29	36.61	37.27	36.94
3021	3.50	3.50	4.00	4.00	9.65	14.00	6.50	38.53	38.06	37.75	37.56	38.00	37.69	38.43	37.93	37.47	37.16	37.46	36.96
3022	3.00	3.00	4.50	4.50	11.07	6.50	14.00	38.15	38.40	38.69	39.28	38.34	38.63	38.04	37.63	37.84	38.21	39.18	38.68
3022A	-	-	12.50	12.50	16.50	6.50	16.00	39.70	39.65	40.25	40.90	-	-	39.61	39.11	39.34	39.94	40.86	40.52
3023	4.00	4.00	4.00	4.00	11.46	14.00	6.50	41.32	40.79	40.40	40.15	40.73	40.33	41.21	40.71	40.20	39.78	40.05	39.55
3024A	3.50	3.50	4.50	4.50	16.78	6.50	-	41.19	41.37	41.94	-	41.31	41.88	41.07	40.74	40.97	41.60	-	-
3024B	3.50	3.50	4.50	4.50	33.79	-	14.00	-	42.25	43.60	44.13	42.19	43.54	-	-	41.78	43.01	44.02	43.52
3025	3.50	3.50	4.00	5.50	27.37	14.00	6.50	43.60	43.15	42.07	41.86	43.08	41.99	43.50	43.00	42.49	41.49	41.75	41.25
3025A	3.00	3.00	4.50	4.50	30.34	6.50	14.00	47.71	47.92	49.03	49.75	47.86	48.97	47.67	47.34	47.58	48.68	49.69	49.19
3026	5.00	5.00	4.00	4.00	12.32	14.00	6.50	50.15	49.71	49.27	48.79	49.65	49.21	50.02	49.36	48.84	48.40	48.66	48.16

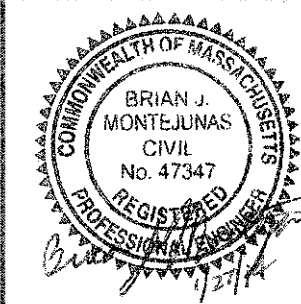
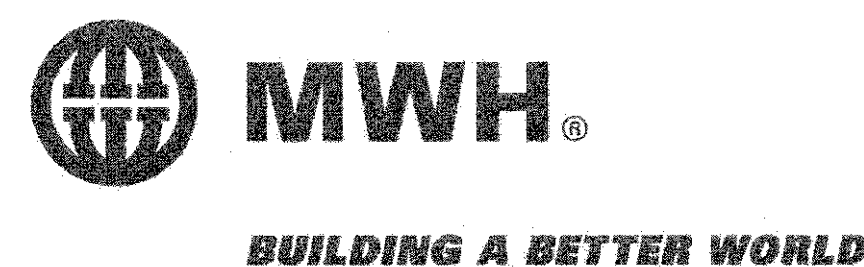


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

CAD FILE: G:\Clients\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_ConcordAve.dwg LAYOUT: CurbTie - ConcordAve.dwg PLOTTED: 2/11/2014 10:57 AM BY: bjm

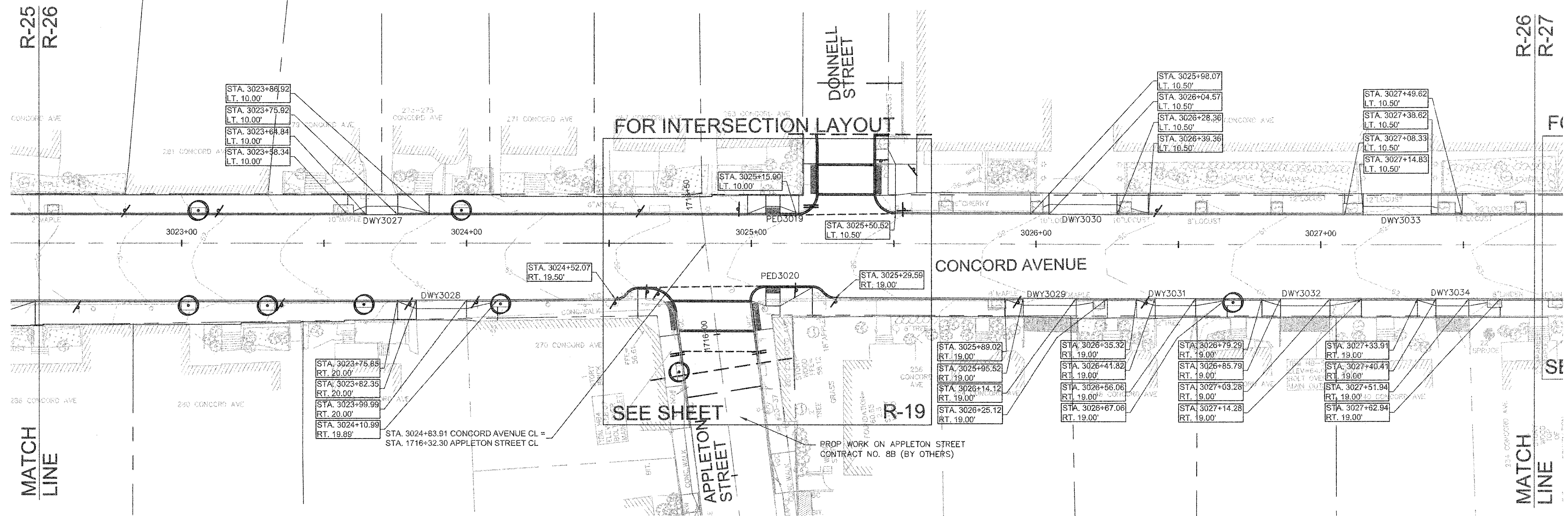


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRS/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM
No.	
Description	
Date	
REVISIONS	



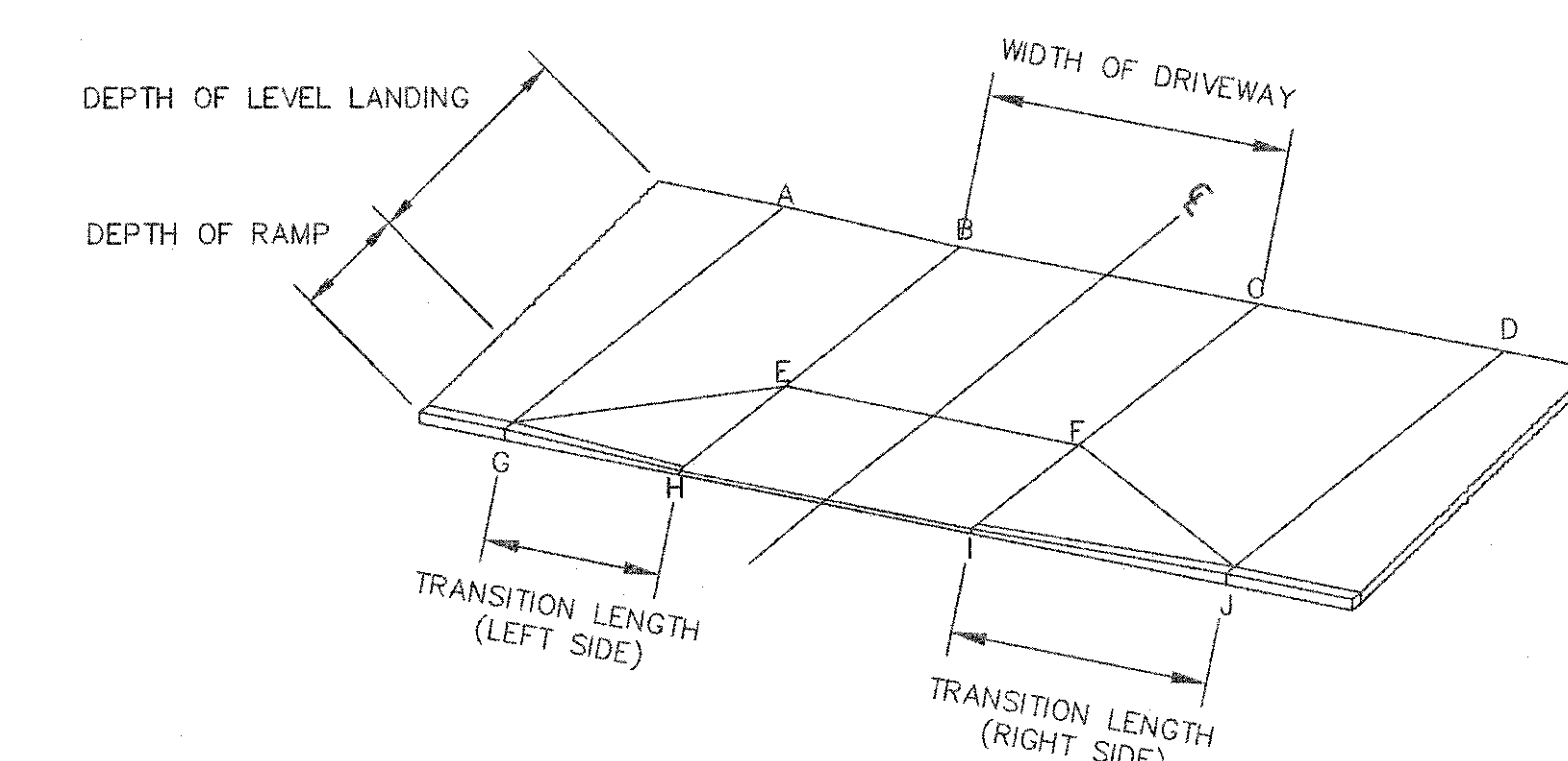
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3017+25 TO 3022+50

Sheet	R-25
File No.	6228

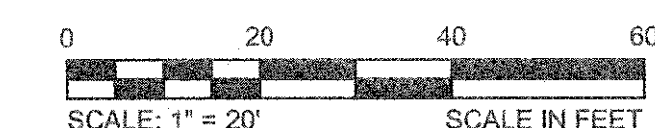


CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3027	3.00	3.00	4.00	4.00	11.07	6.50	11.00	53.85	53.82	54.10	54.36	53.76	54.04	53.74	53.16	53.35	53.66	54.30	53.97
3028	3.00	3.00	4.00	4.00	17.65	11.00	6.50	54.92	54.69	54.23	54.22	54.63	54.17	54.81	54.40	54.12	53.64	54.13	53.46
3029	2.50	2.50	4.50	4.00	18.60	11.00	6.50	60.17	59.67	59.36	59.24	59.64	59.29	60.08	59.41	59.19	58.84	59.12	58.71
3030	3.50	3.50	4.00	4.00	23.79	6.50	11.00	59.68	59.70	60.24	60.52	59.64	60.18	59.54	58.96	59.11	59.65	60.41	59.91
3031	2.50	2.50	4.00	4.50	14.24	11.00	6.50	61.15	60.63	60.30	60.40	60.57	60.24	61.04	60.37	60.12	59.79	60.31	59.64
3032	2.50	2.50	4.00	4.00	17.48	11.00	6.50	62.21	61.73	61.33	61.35	61.66	61.26	62.13	61.46	61.21	60.81	61.32	60.66
3033	3.00	3.00	4.50	4.50	23.79	6.50	11.00	62.08	62.09	62.65	63.03	62.03	62.59	62.00	61.50	61.65	62.19	62.95	62.45
3034	2.50	2.50	4.00	4.00	11.54	11.00	6.50	63.17	62.84	62.57	62.66	62.78	62.51	63.08	62.58	62.33	62.06	62.57	61.91

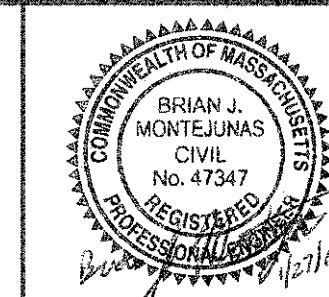


TYPICAL RAMP LEGEND
SCALE: N.T.S.

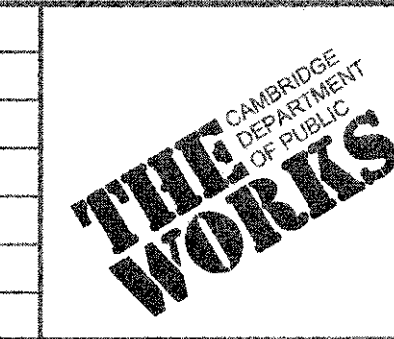


CONFORMED SET

CADD FILE: G:_client\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_ConcordAve.dwg
 LAYOUT: CurbTie - ConcordAve - PLOTTED: 2/11/2014 10:52 AM BY: kml langlois

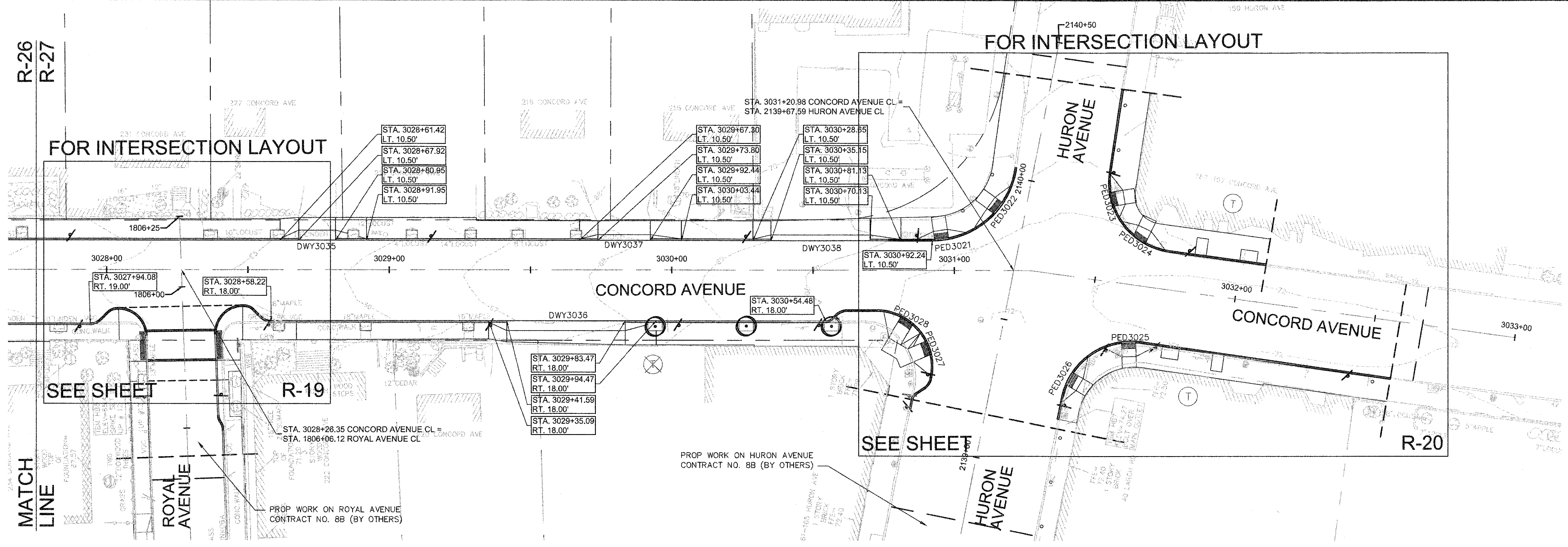


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/JJR	No.	Description
Approved by	BJM		Date
REVISIONS			



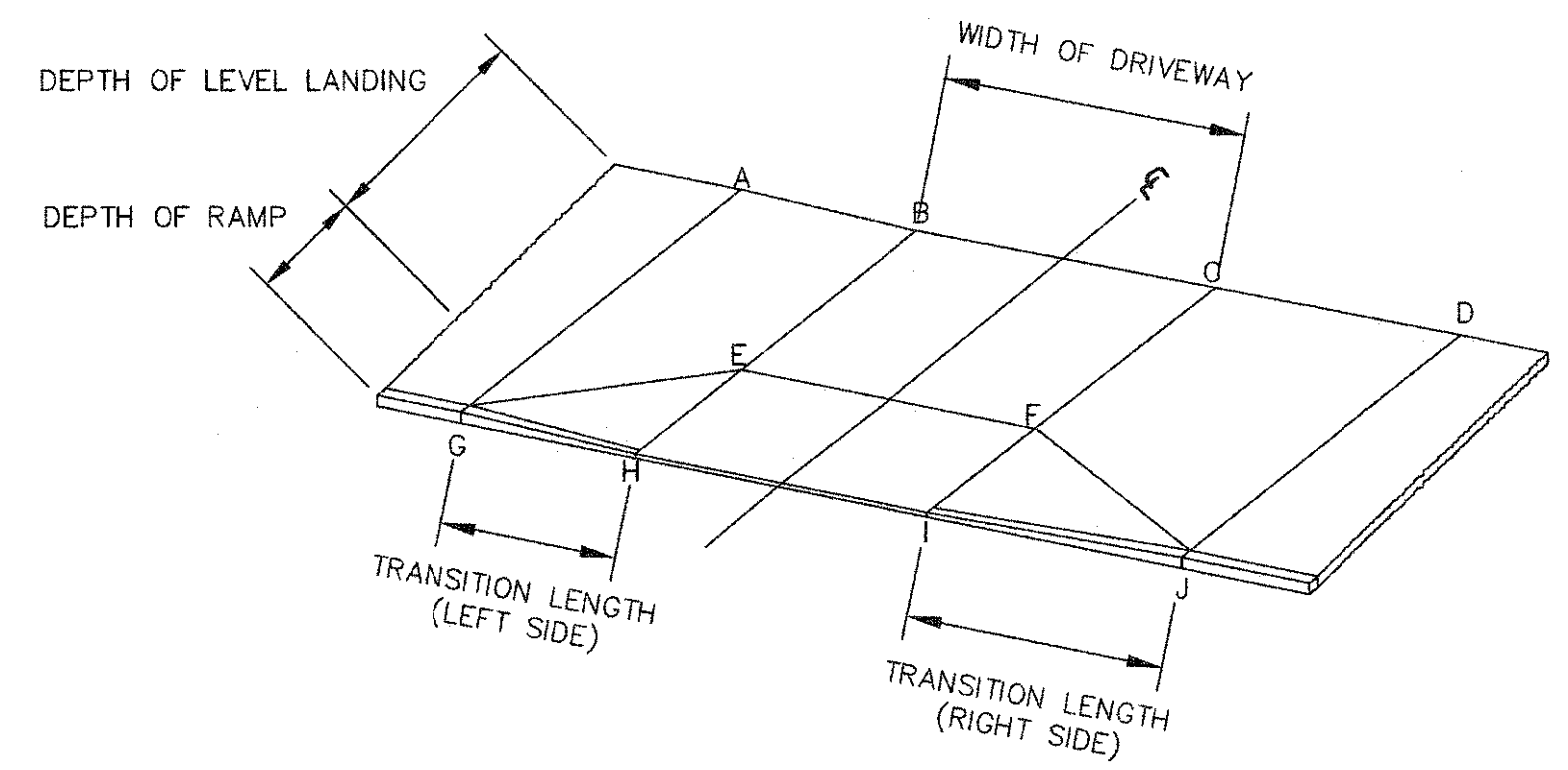
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3022+50 TO 3027+75

Sheet	R-26
File No.	6228

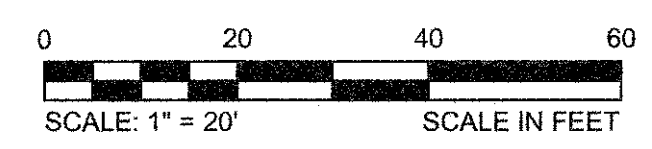


CONCORD AVENUE DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3035	3.50	3.50	4.50	4.50	13.03	6.50	11.00	65.71	65.85	66.09	66.36	65.79	66.03	65.60	65.10	65.26	65.57	66.25	65.84
3036	3.50	3.50	5.00	4.00	41.87	11.00	6.50	68.90	68.62	67.64	67.50	68.53	67.62	68.90	68.57	68.27	67.11	67.43	66.93
3037	2.00	2.00	5.00	5.00	18.64	6.50	11.00	68.18	68.07	68.35	68.92	68.01	68.34	68.14	67.64	67.80	68.25	68.84	68.51
3038	2.00	2.00	5.00	6.00	34.99	6.50	11.00	69.45	69.46	70.22	70.63	69.40	70.21	69.44	69.11	69.27	70.11	70.63	70.30

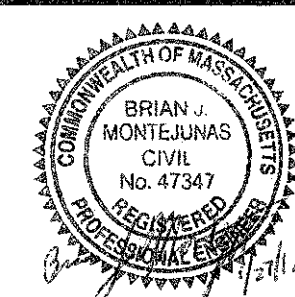


TYPICAL RAMP LEGEND
SCALE: N.T.S.

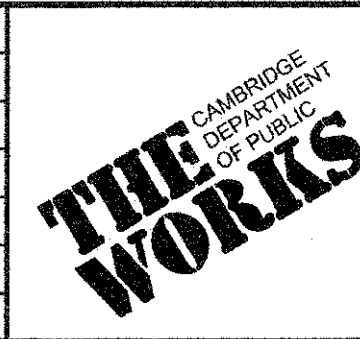


CONFORMED SET

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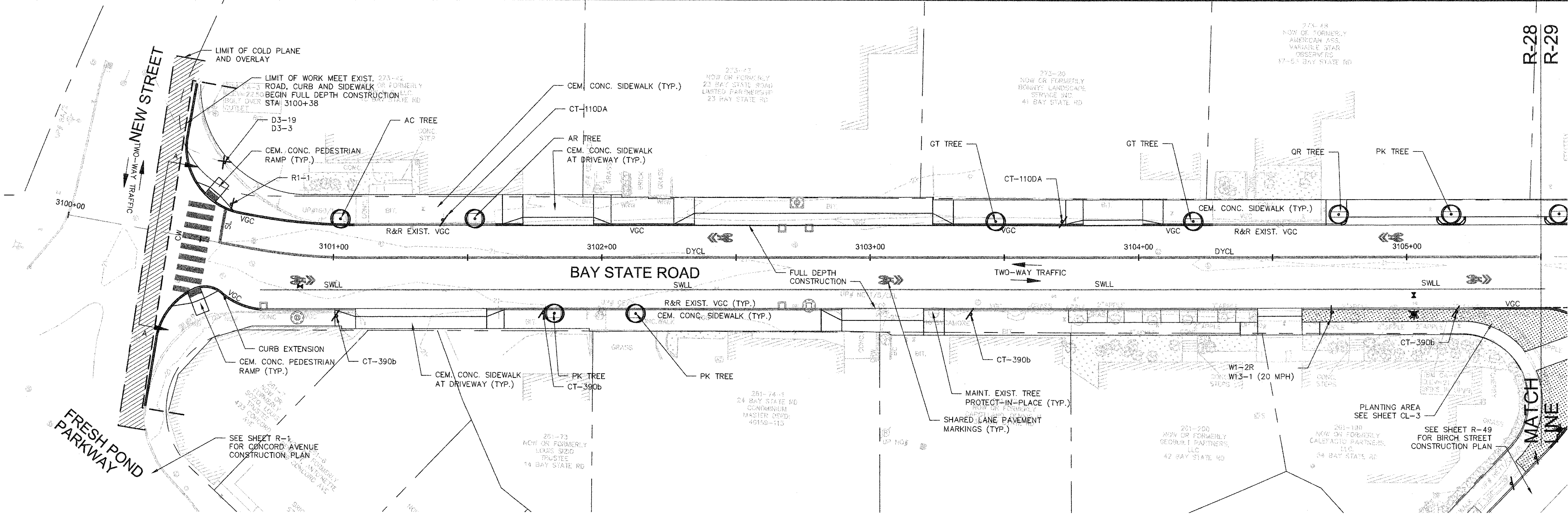


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



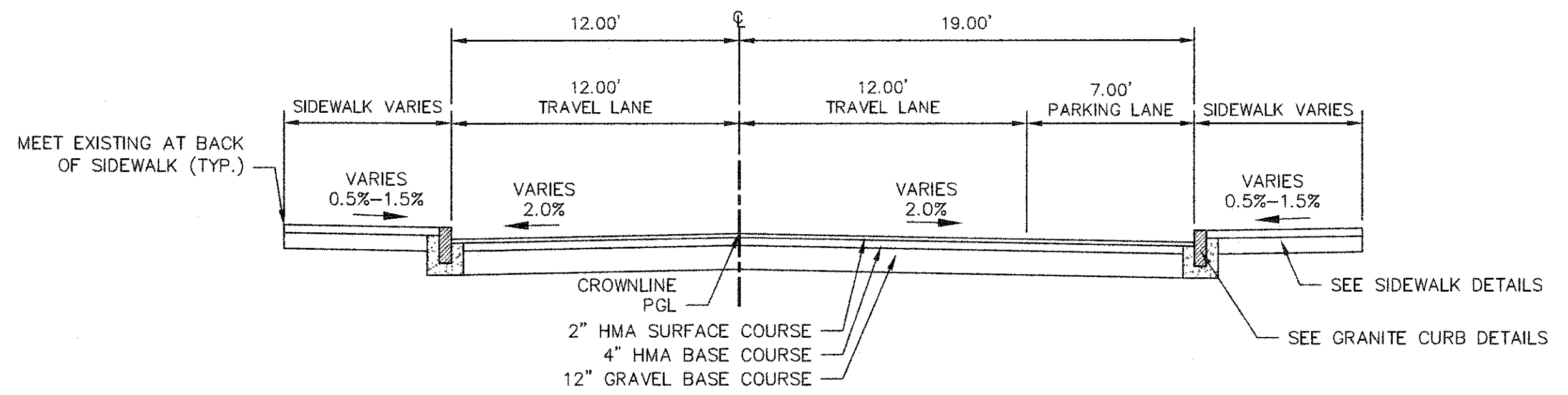
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-27
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN CONCORD AVENUE STA 3027+75 TO 3032+90		

CAD FILE: G:\clients\cambridge\MA201226\01-A - Concord Ave. Contract 9\Drawings\Construction\Drawings\Construction Plan\Construction - BayStateRd.rwg
 LAYOUT: Construction - BayStateRd.rwg
 PLOTTED: 2/11/2014 1:08 PM BY: Kyle Ingalls



NOTES:

1. WORK IN BAY STATE ROAD SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



A TYPICAL SECTION
 R-28 SCALE: 1"=5'



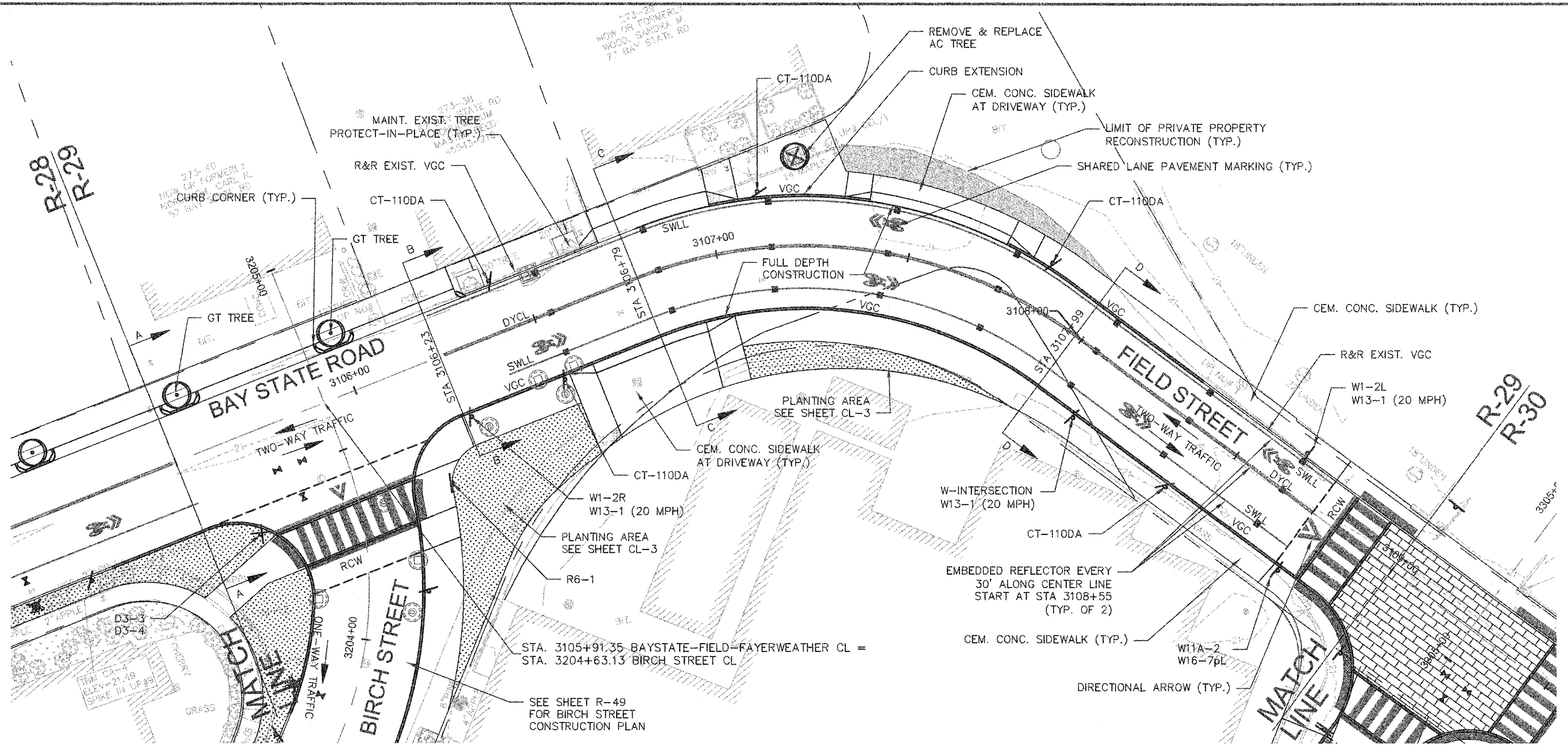
CONFORMED SET



Scale	AS NOTED			
Date	FEBRUARY 2014			
Job No.	20120256.001A			
Designed by	TAL/JRB/FMM			
Drawn by	KJL/DRM/BMS/DRB			
Checked by	CMC/TJR	No.	Description	Date
Approved by	BJM		REVISIONS	

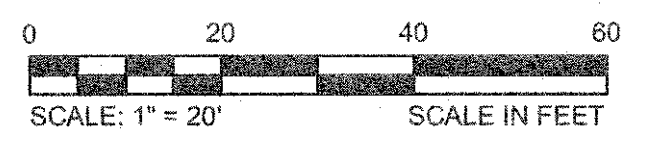
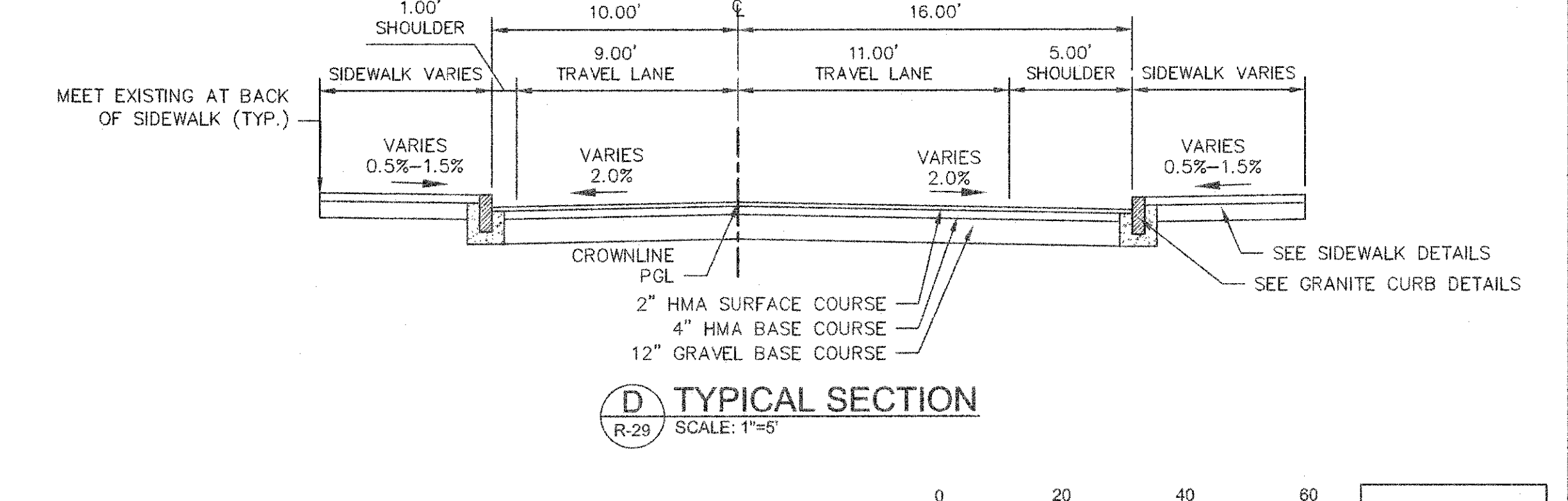
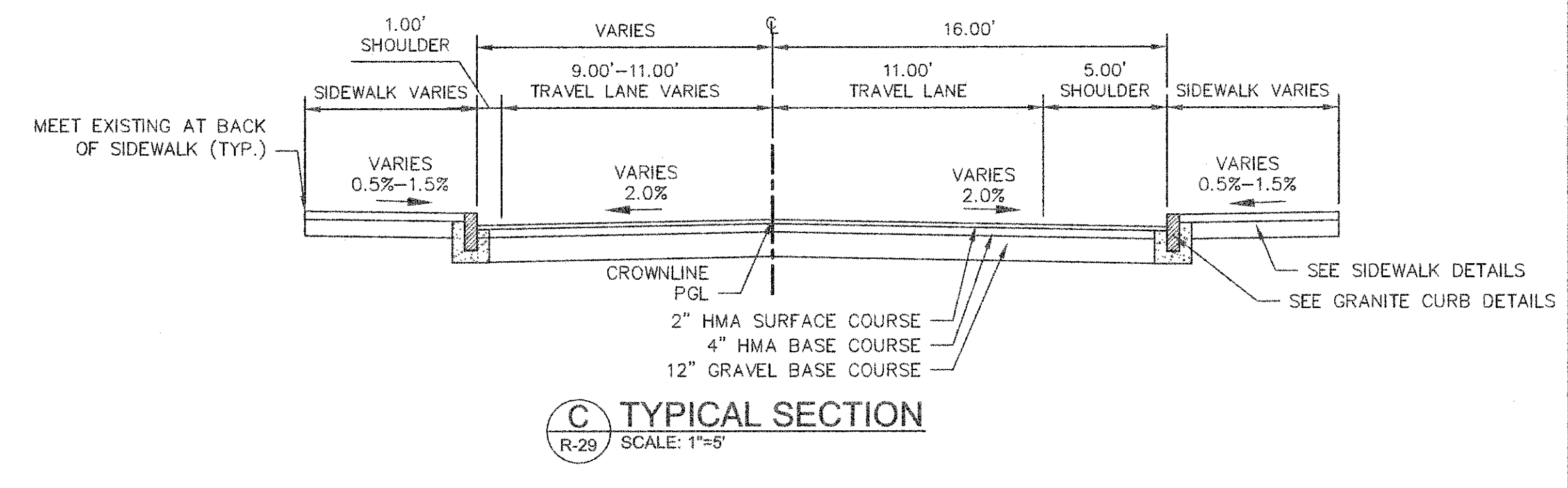
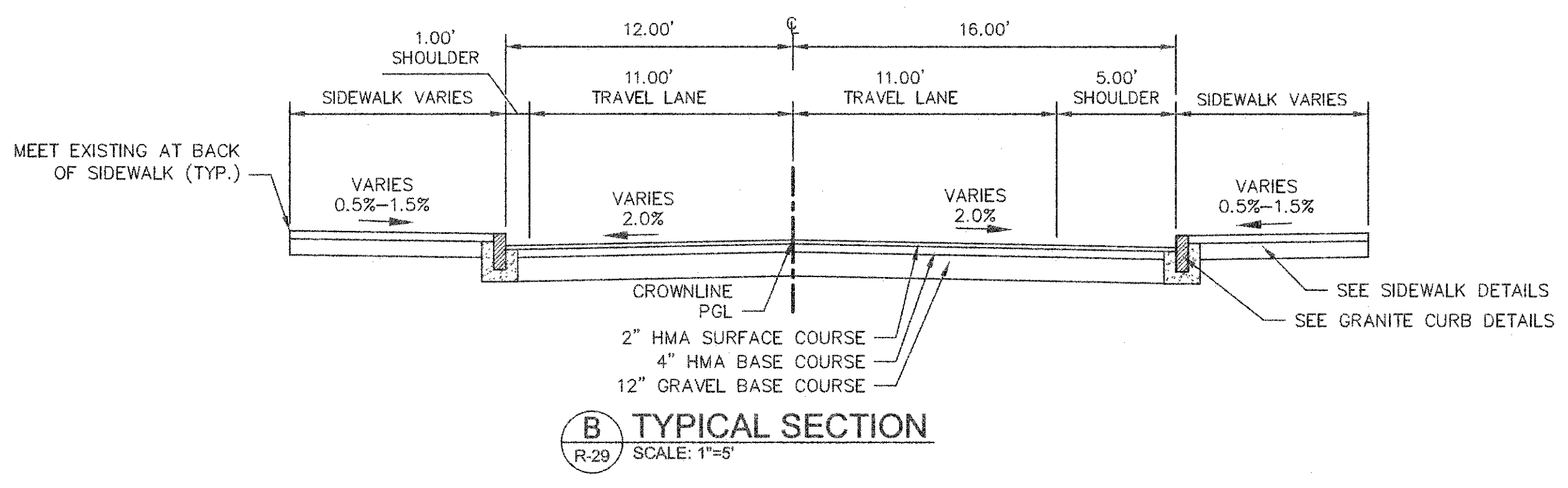
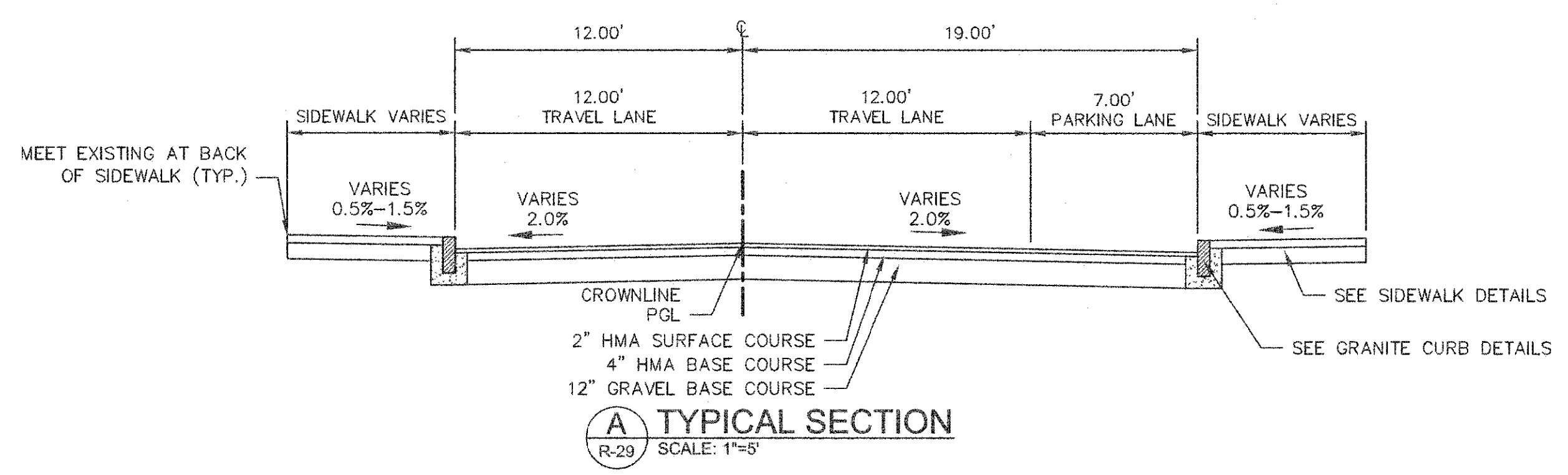


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-28
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN BAY STATE ROAD STA 3100+38 TO 3105+50		



NOTES:

1. WORK IN BAY STATE ROAD SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RC-3, RC-4 AND RC-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).

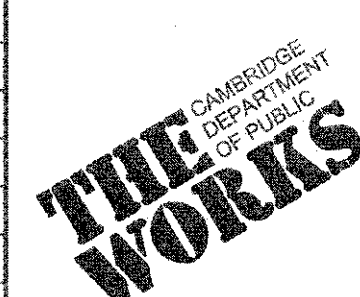


CONFORMED SET

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 PLOTTED: 2/11/2014 11:10 PM BY: Kyle Kingston



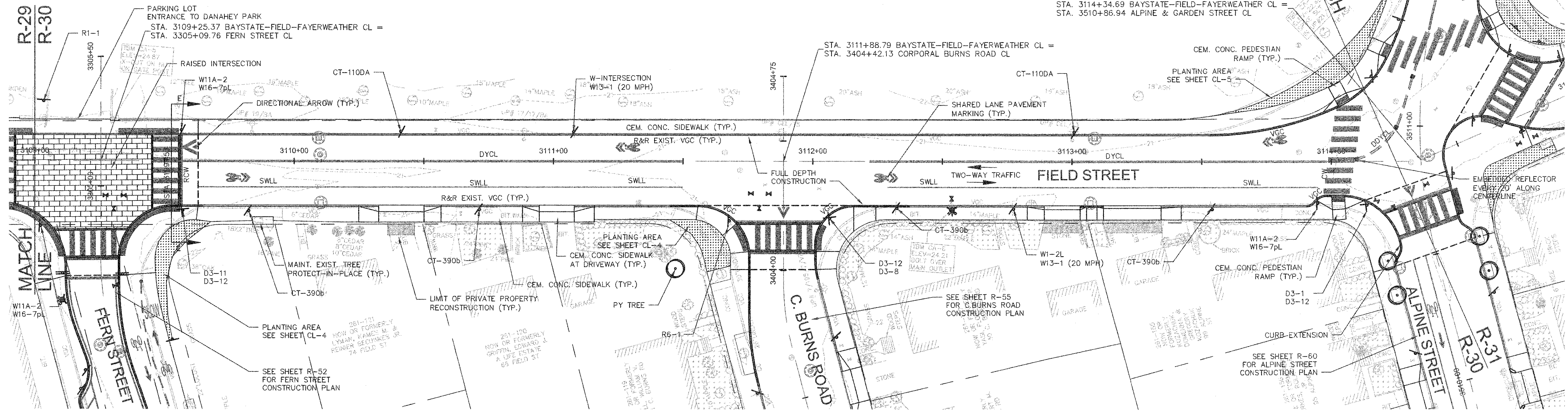
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN BAY STATE ROAD STA 3105+50 TO 3109+00

Sheet	R-29
File No.	6228

954-100
 NOW OR FORMERLY
 CITY OF CAMBRIDGE
 225 GARDEN ST

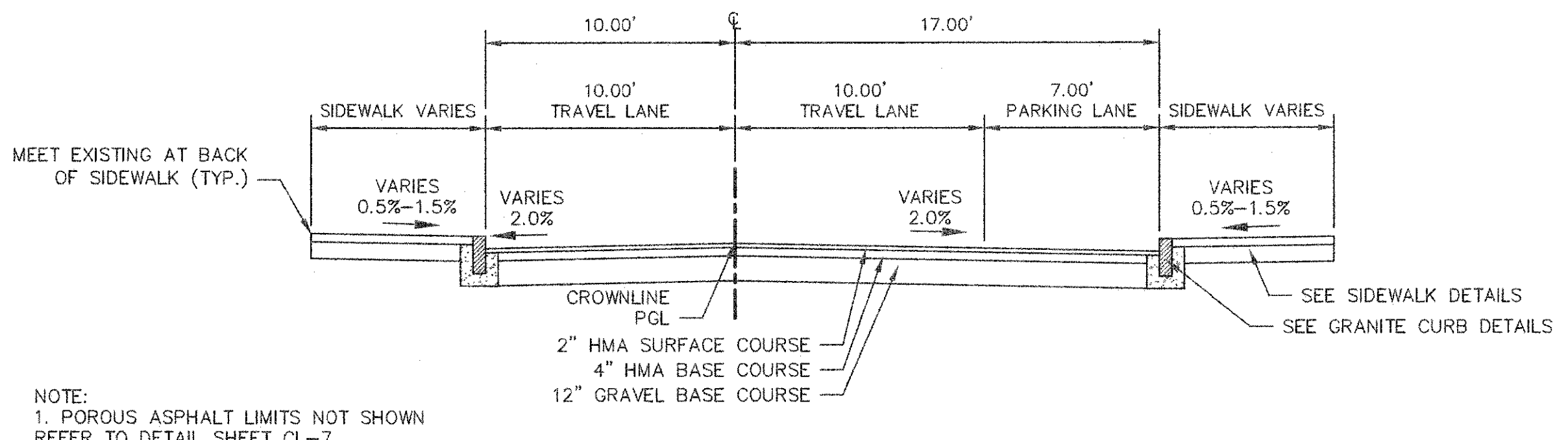


STA. 3114+34.69 BAYSTATE-FIELD-FAYERWEATHER CL =
 STA. 3510+86.94 ALPINE & GARDEN STREET CL

STA. 3111+88.79 BAYSTATE-FIELD-FAYERWEATHER CL =
 STA. 3404+42.13 CORPORAL BURNS ROAD CL

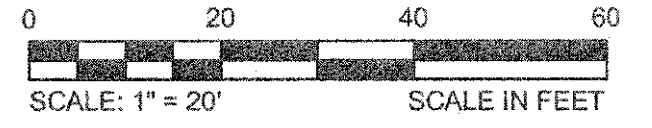
NOTES:

1. WORK IN FIELD STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-2, RG-3 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
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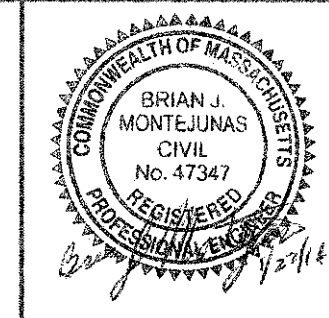
NOTE:
 1. POROUS ASPHALT LIMITS NOT SHOWN
 REFER TO DETAIL SHEET CL-7

E TYPICAL SECTION
 R-30 SCALE: 1" = 5'

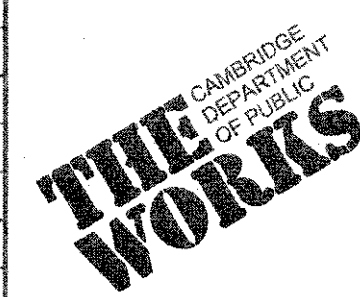


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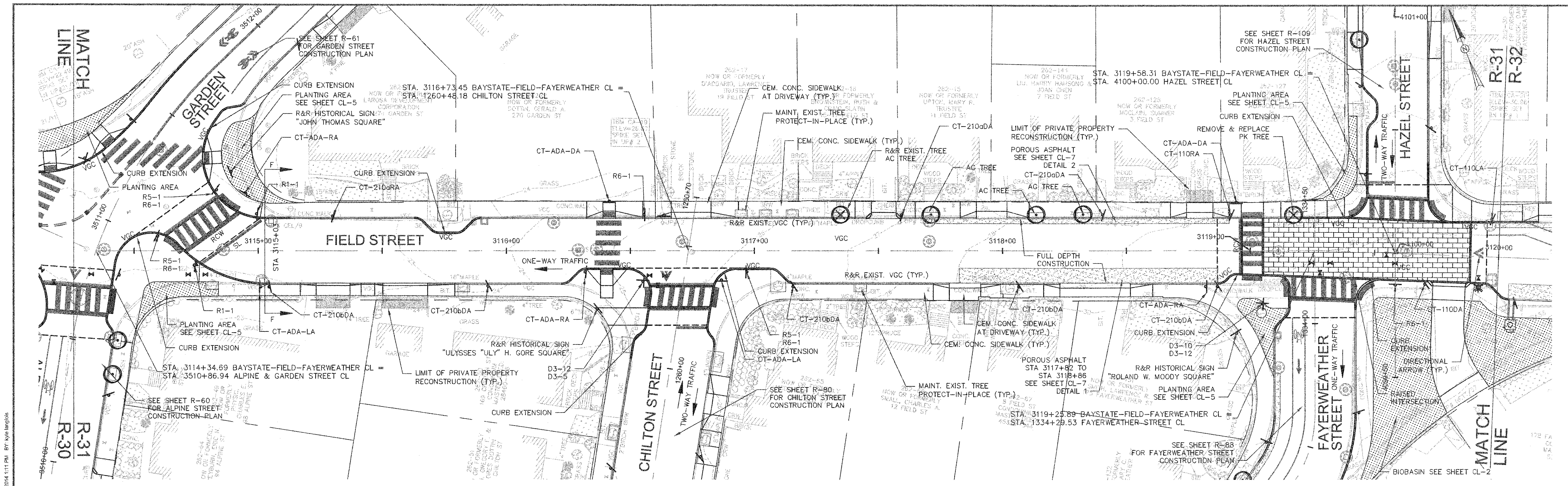
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 LAYOUT: Construction - Field St - PLOTTED: 2/11/2014 1:10 PM BY: blye@cambridge



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

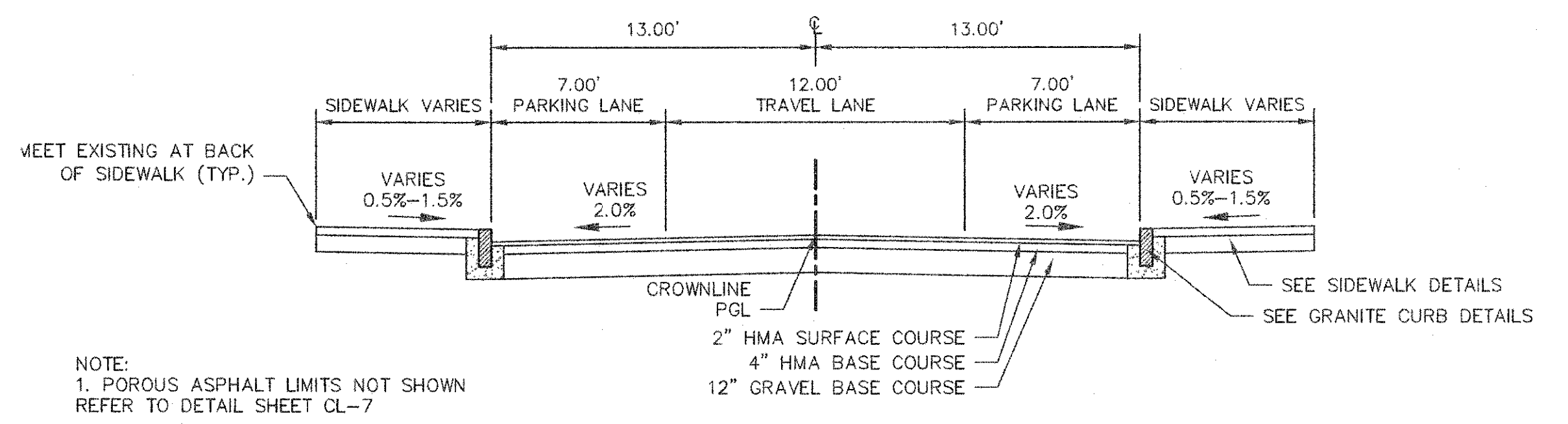


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-30
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN FIELD STREET STA 3109+00 TO 3114+35		

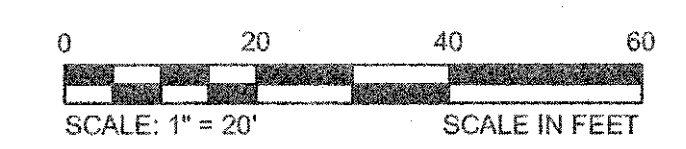


NOTES:

1. WORK IN FIELD STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-2, RG-3 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
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7. ALL 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.
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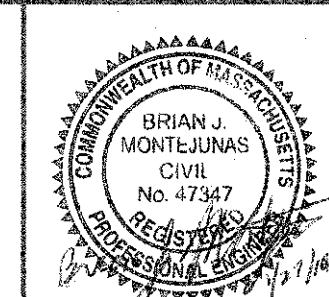


TYPICAL SECTION
SCALE: 1"=5'

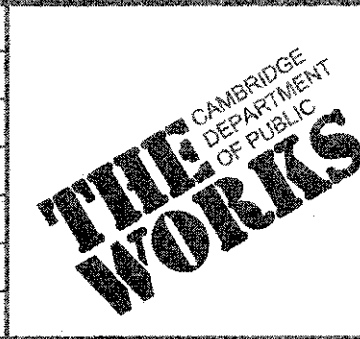


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 LAYOUT: Construction - Fields.2 PLOTTED: 2/11/2014 11:11 PM BY: kye.ling@kleinfelder.com



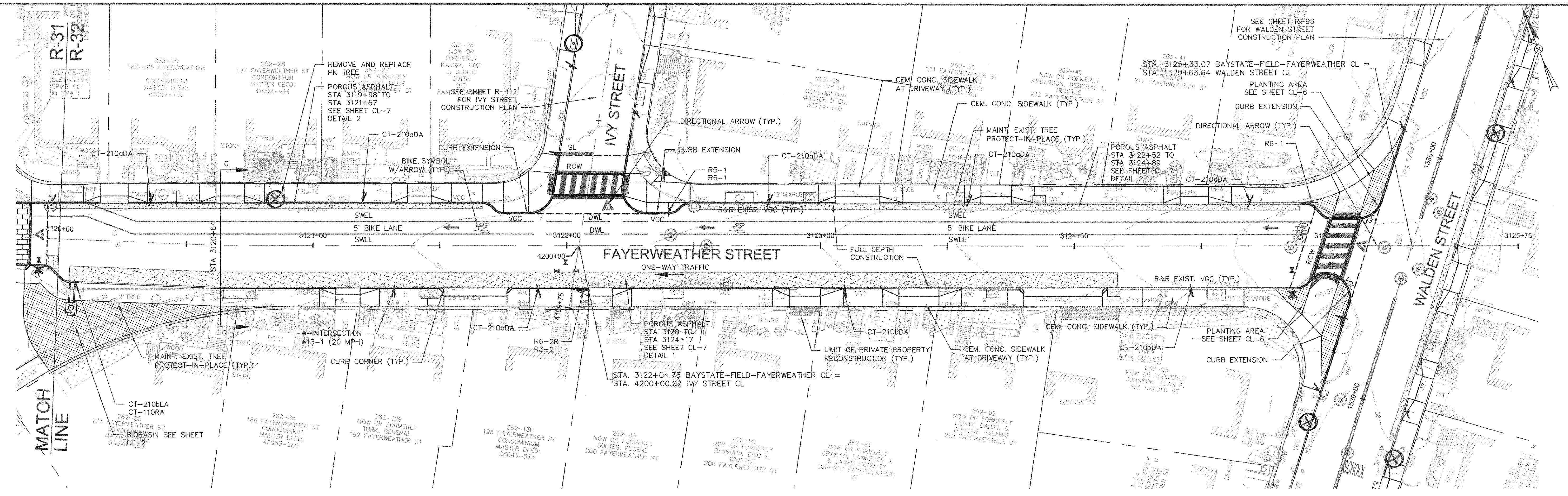
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
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Drawn by	KJL/DRM/BMS/DRB	1	11/20/13
Checked by	CMC/JJR	No.	Description
Approved by	BJM		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN FIELD STREET STA 3114+35 TO 3120+00

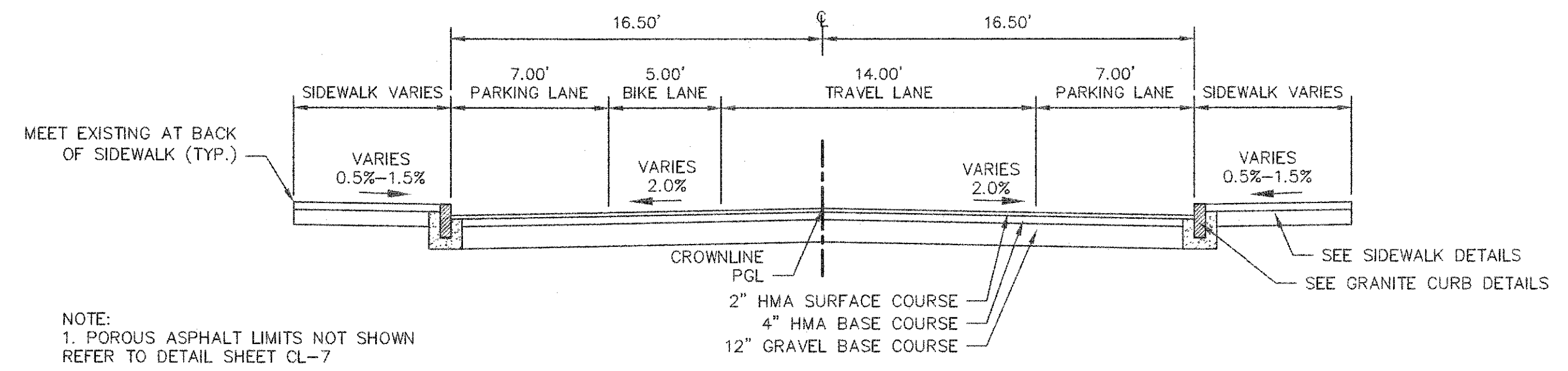
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File No.	6228

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 LAYOUT: Construction - FayerweatherR1
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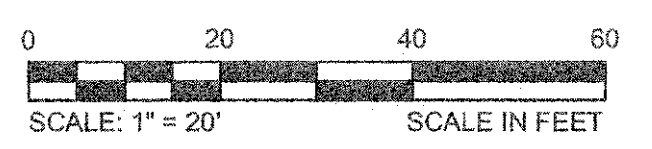


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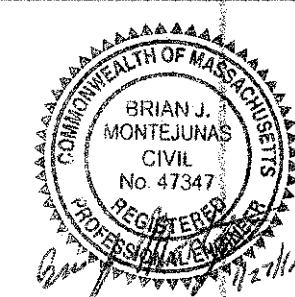
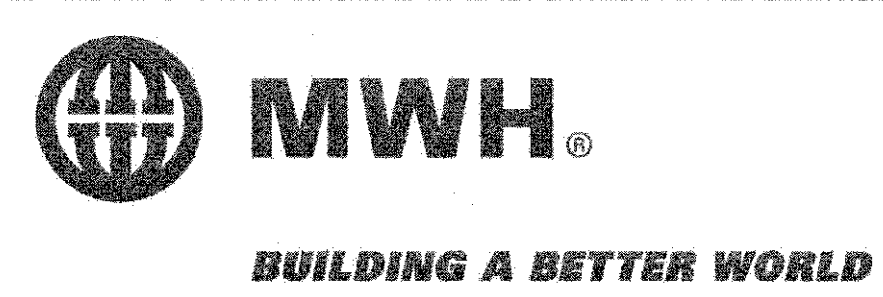
1. WORK IN FAYERWEATHER STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-2, RG-3 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
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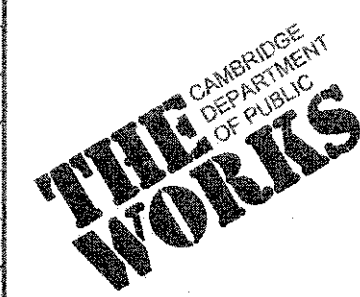
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CONFORMED SET



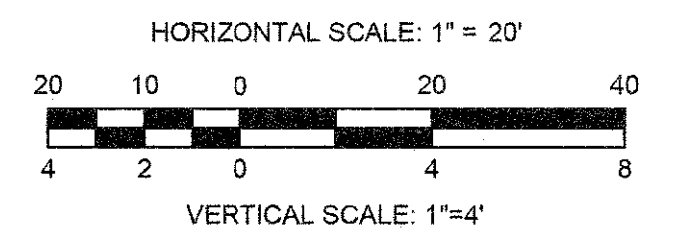
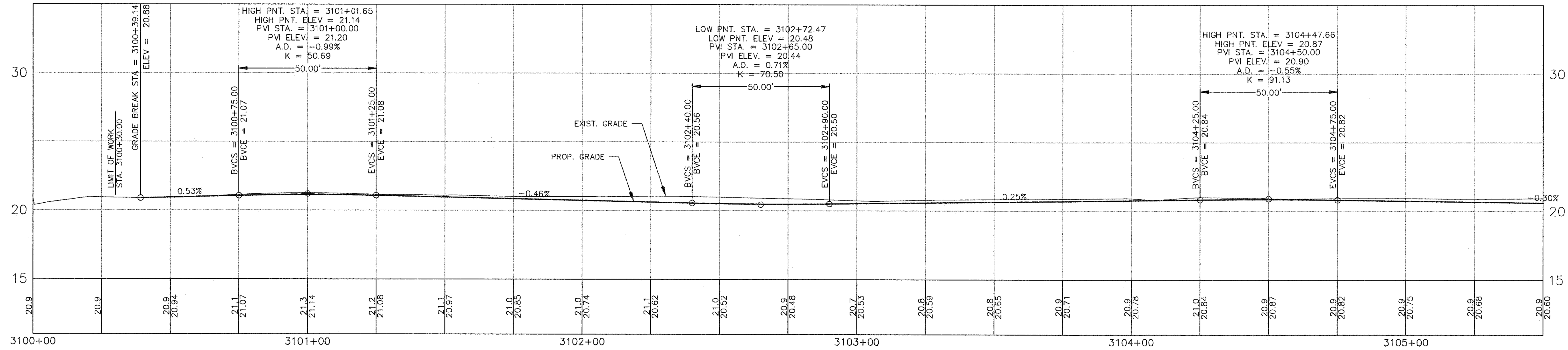
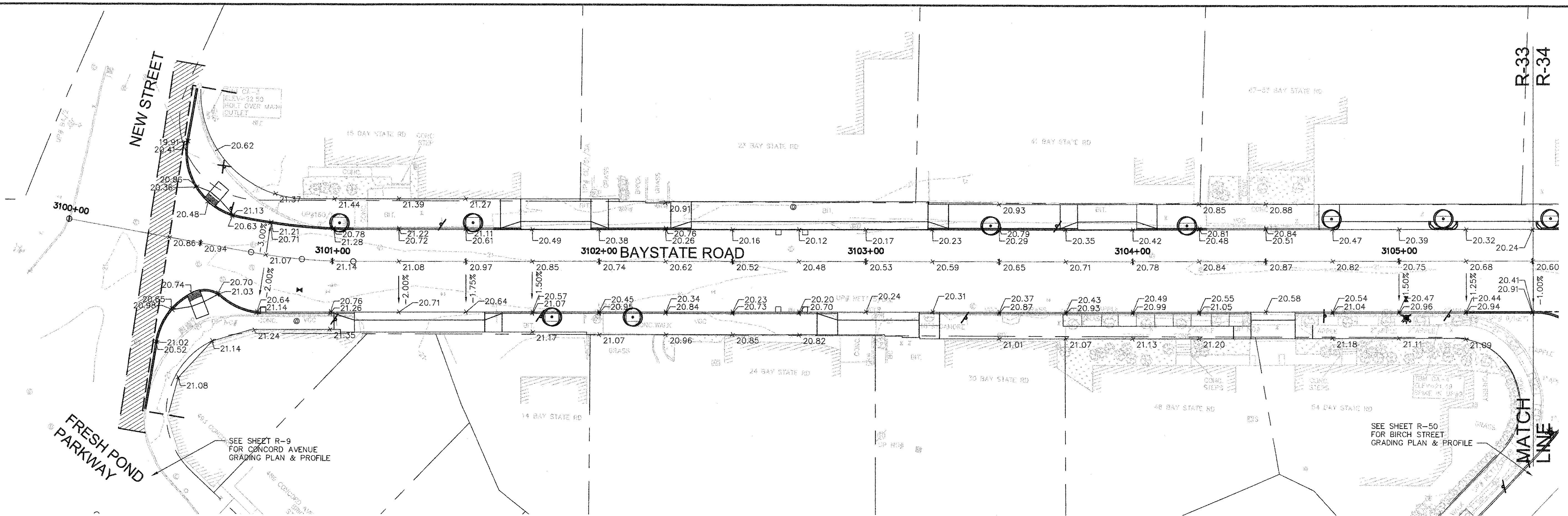
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
			REVISIONS



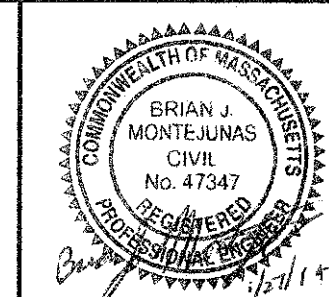
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN FAYERWEATHER STREET STA 3120+00 TO 3125+33

Sheet	R-32
File No.	6228

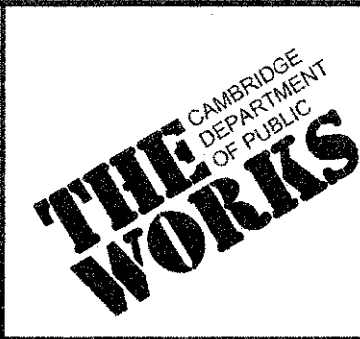
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CONFORMED SET

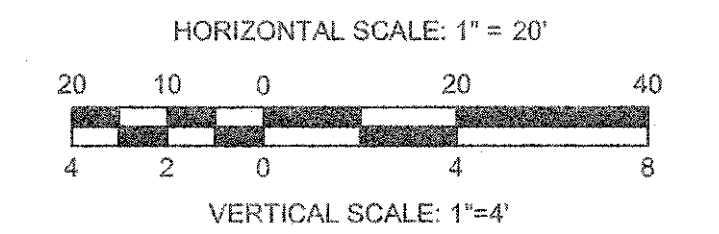
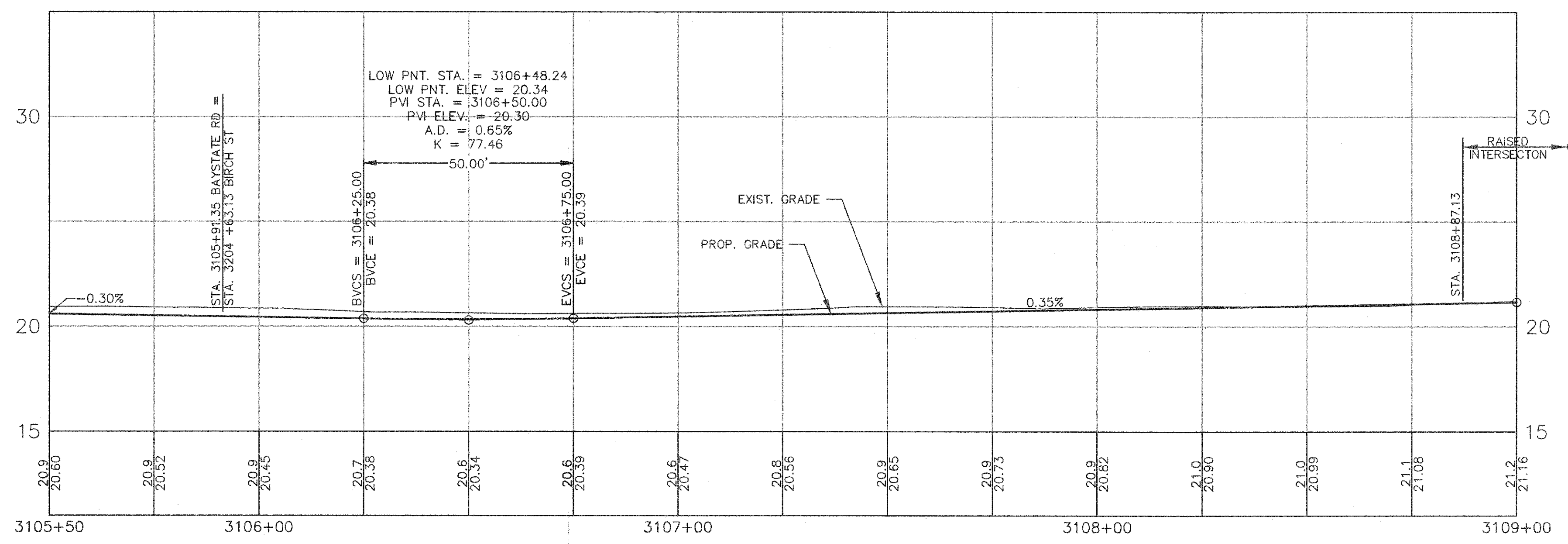
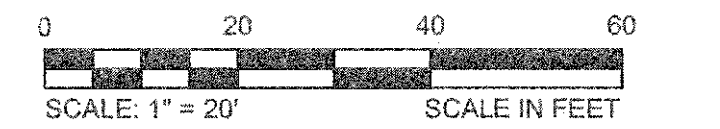
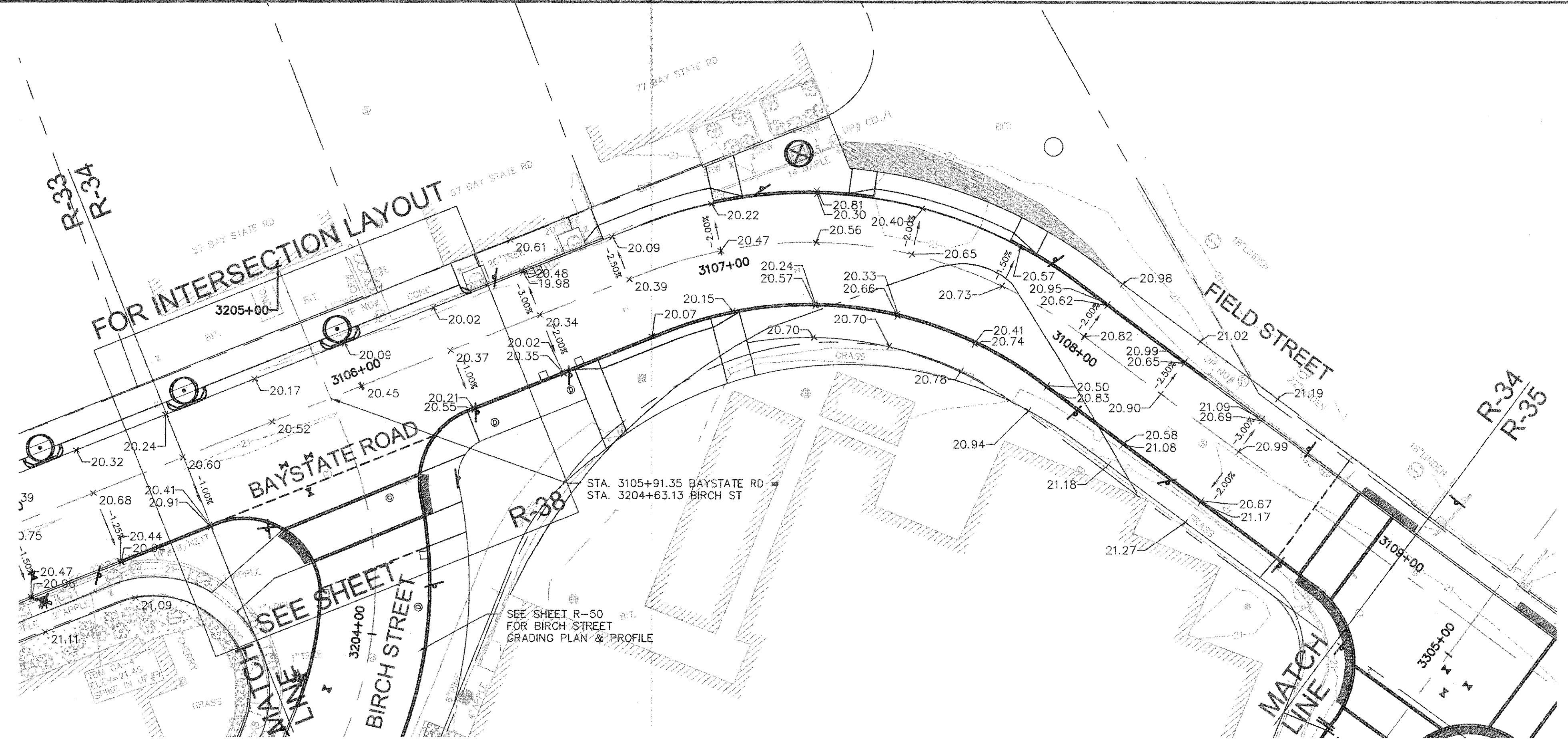


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRW/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



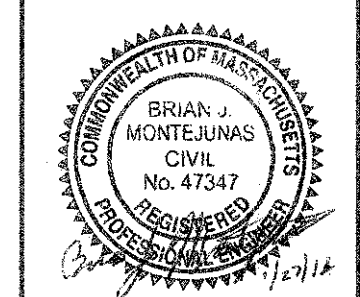
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE BAY STATE ROAD STA 3100+38 TO 3105+50

Sheet	R-33
File No.	

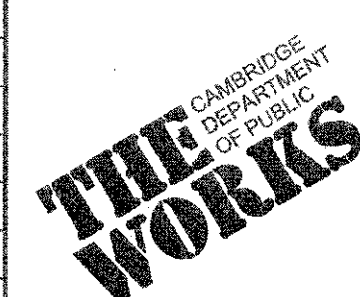


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CONFORMED SET

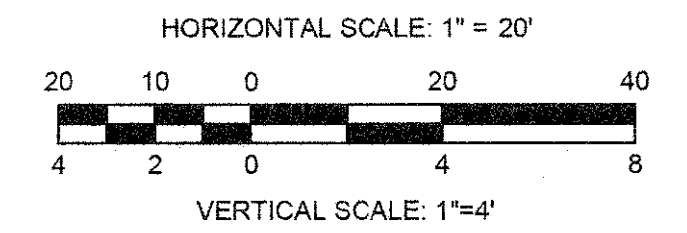
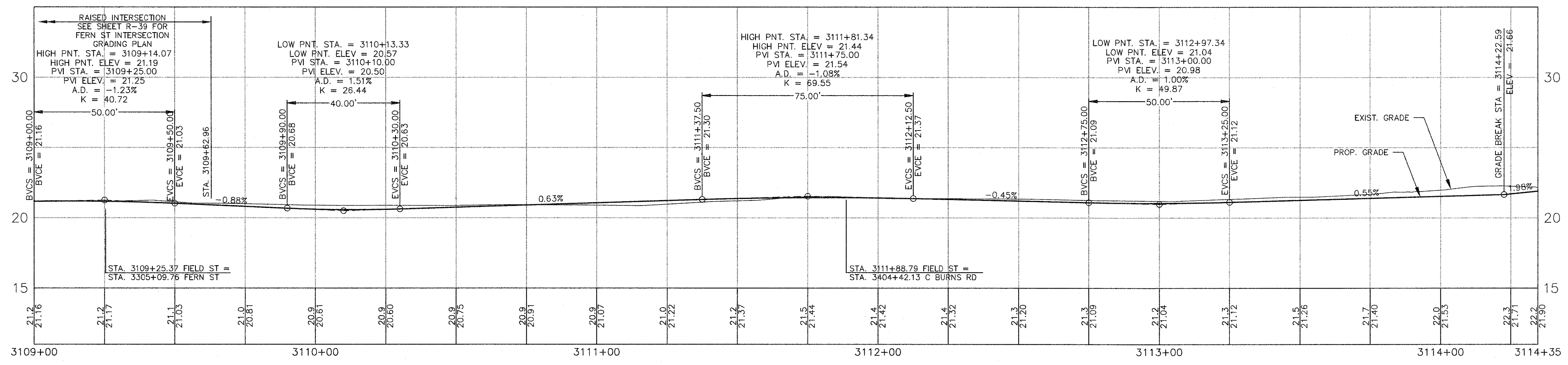
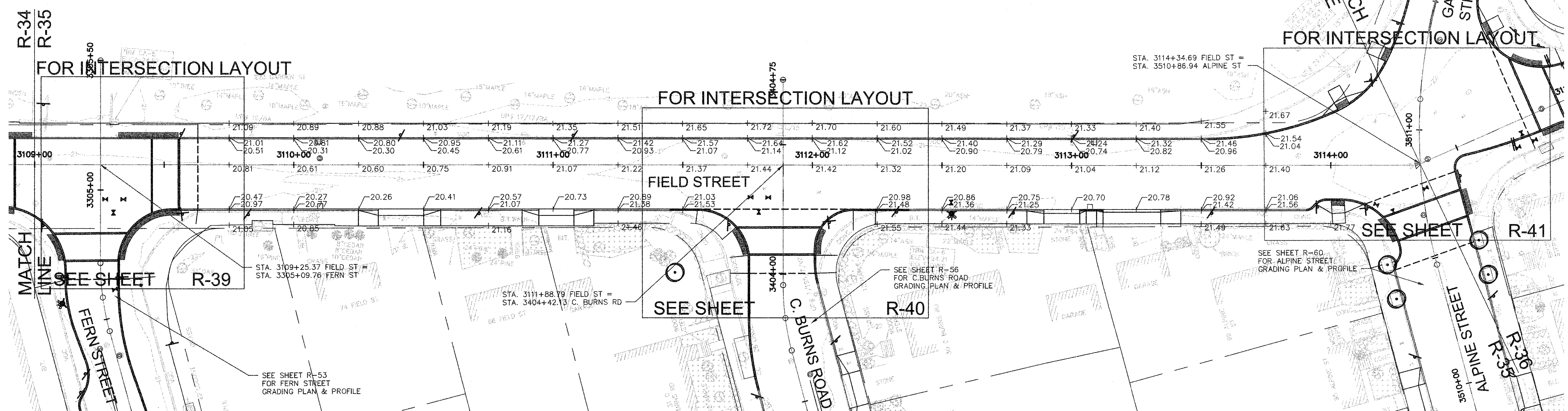


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



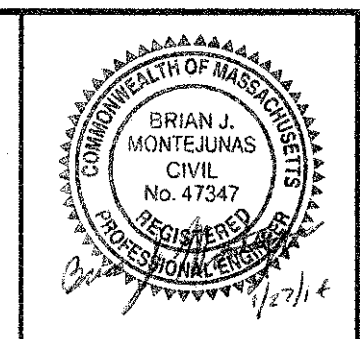
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE BAY STATE ROAD STA 3105+50 TO 3109+00

Sheet	R-34
File No.	6228



CONFORMED SET

CAD FILE: G:\clients\cambridge\Map2012266\01-a - Concord Ave (contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_Body\State-Final\Final.mxd
 LAYOUT: Grading - Final\$1 - PLOTTED: 10/27/2013 4:30 PM BY: tmv:llca



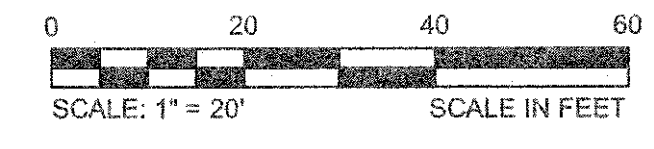
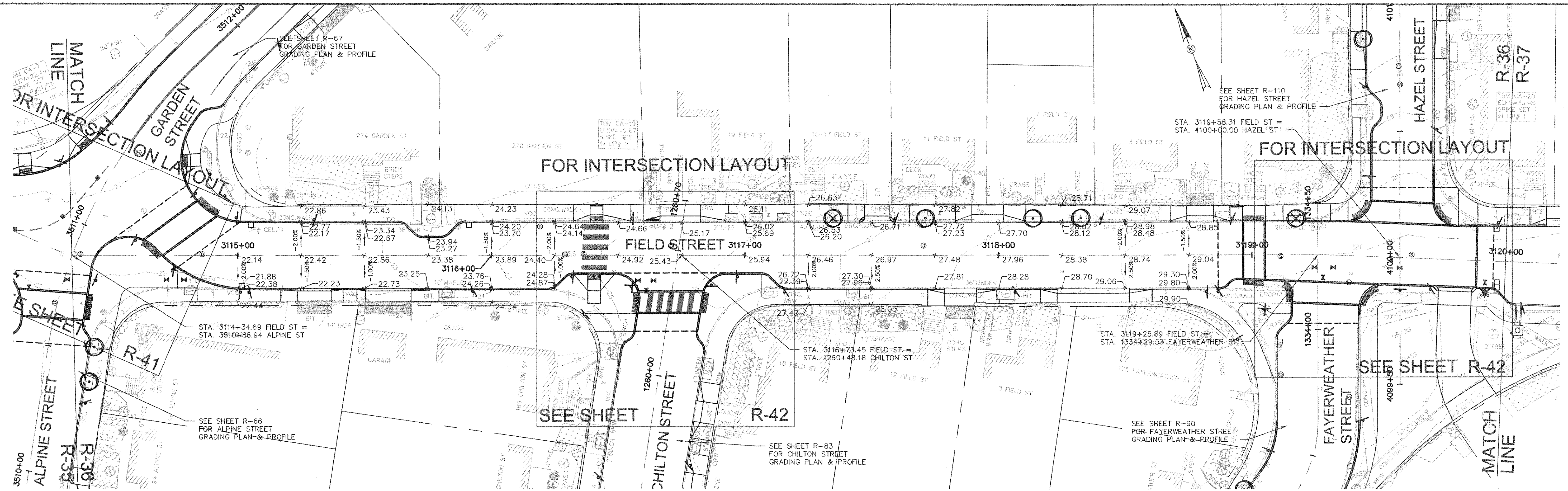
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE FIELD STREET STA 3109+00 TO 3114+35

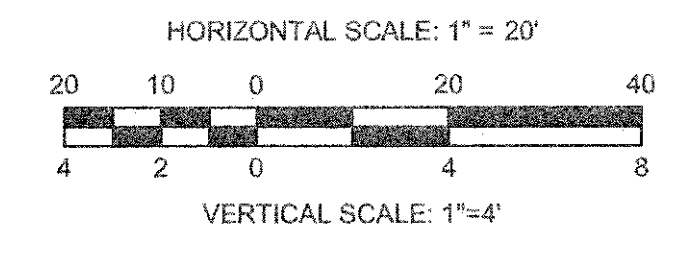
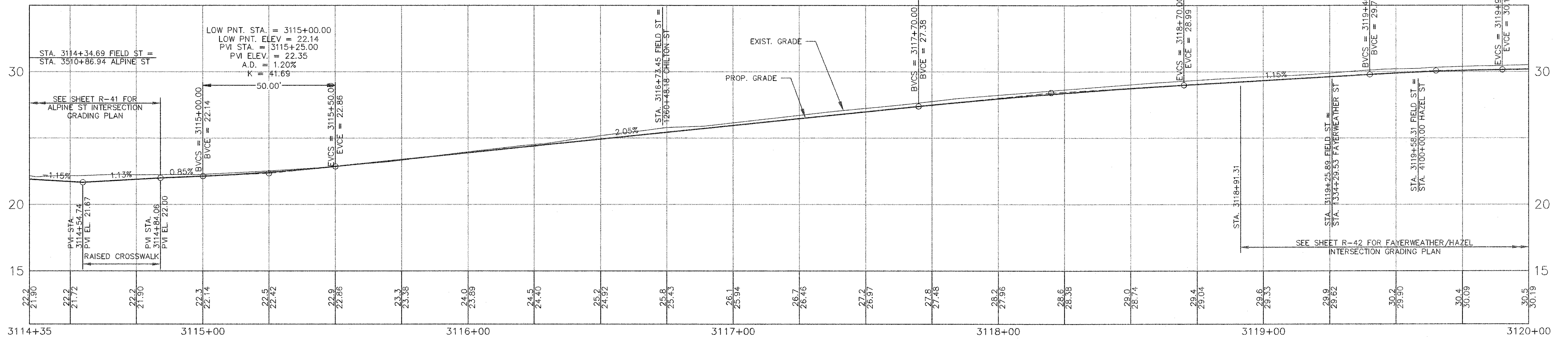
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CAD FILE: C:\allen\cambridge\ma\201226.01A - Concord Ave (Contract 9)\Drawings\Production Drawings\Grading\Plan\Grading_Plan\Grading_Plan\Grading_Plan-Fayerweather.dwg LAYOUT: Grading - Field R-36 PLOTTED: 2/11/2014 4:45 PM BY: Kyle Langlois

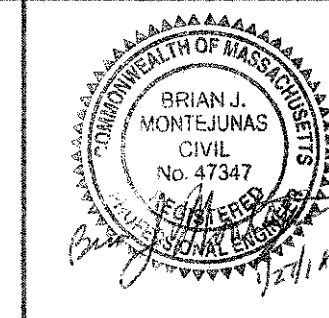


HIGH PNT. STA. = 3118+70.00
 HIGH PNT. ELEV. = 28.99
 PVI STA. = 3118+20.00
 PVI ELEV. = 28.41
 A.D. = -0.90%
 K = 110.80

HIGH PNT. STA. = 3119+90.00
 HIGH PNT. ELEV. = 30.16
 PVI STA. = 3119+65.00
 PVI ELEV. = 30.08
 A.D. = -0.85%
 K = 58.94



CONFORMED SET

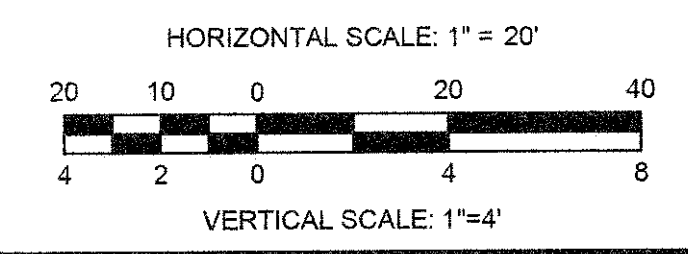
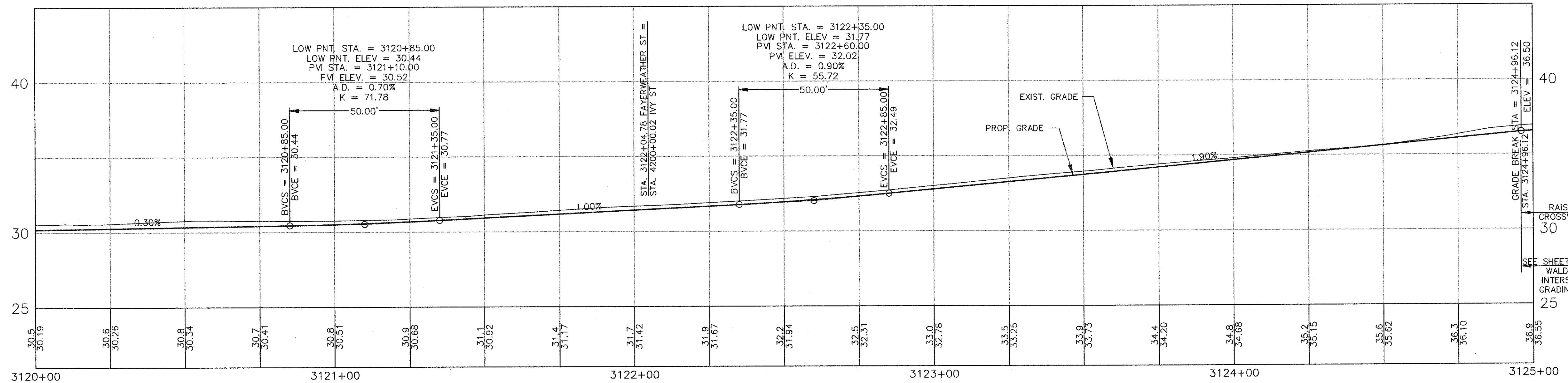
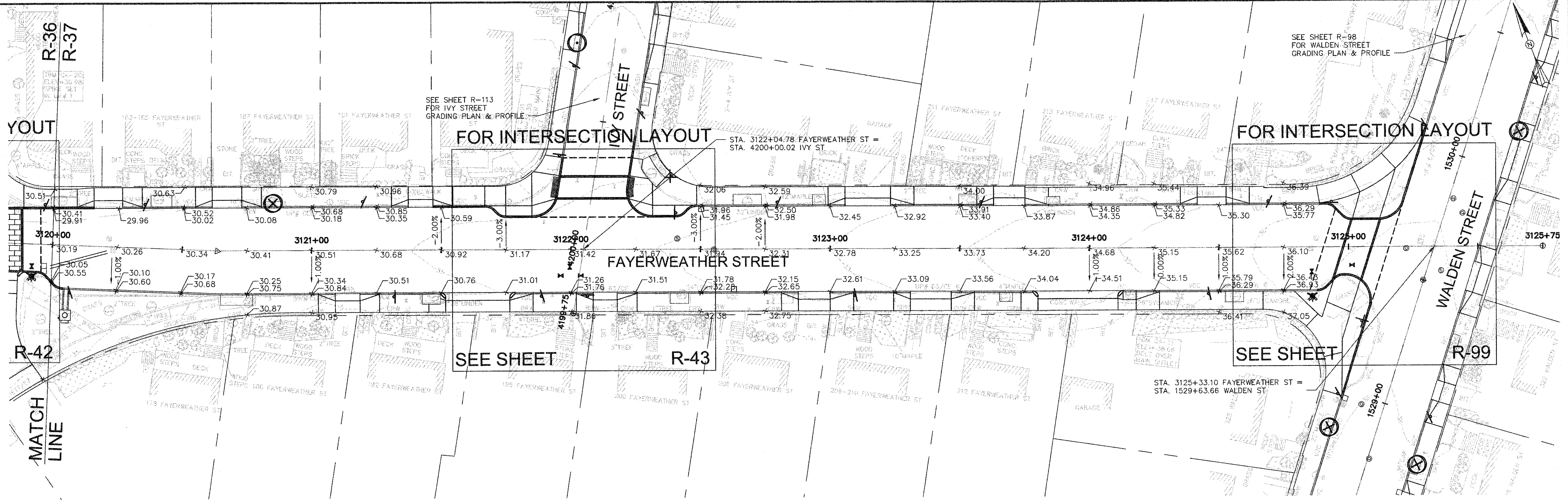


Scale	AS NOTED			
Date	FEBRUARY 2014			
Job No.	20120256.001A			
Designed by	TAL/JRB/FMM			
Drawn by	KJL/DRM/BMS/DRB			
Checked by	CMC/TJR	No.	Description	Date
Approved by	BJM		REVISIONS	

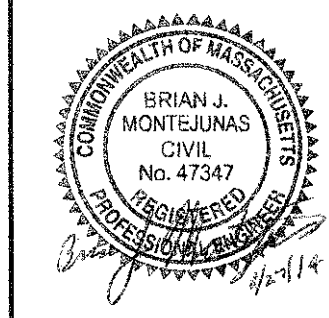


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-36
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - GRADING PLAN & PROFILE FIELD STREET STA 3114+35 TO 3120+00		

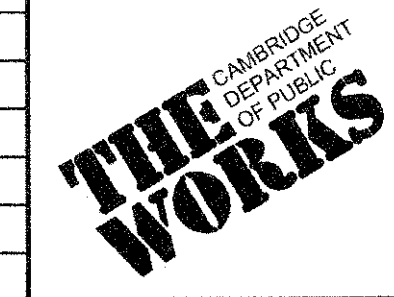
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CONFORMED SET



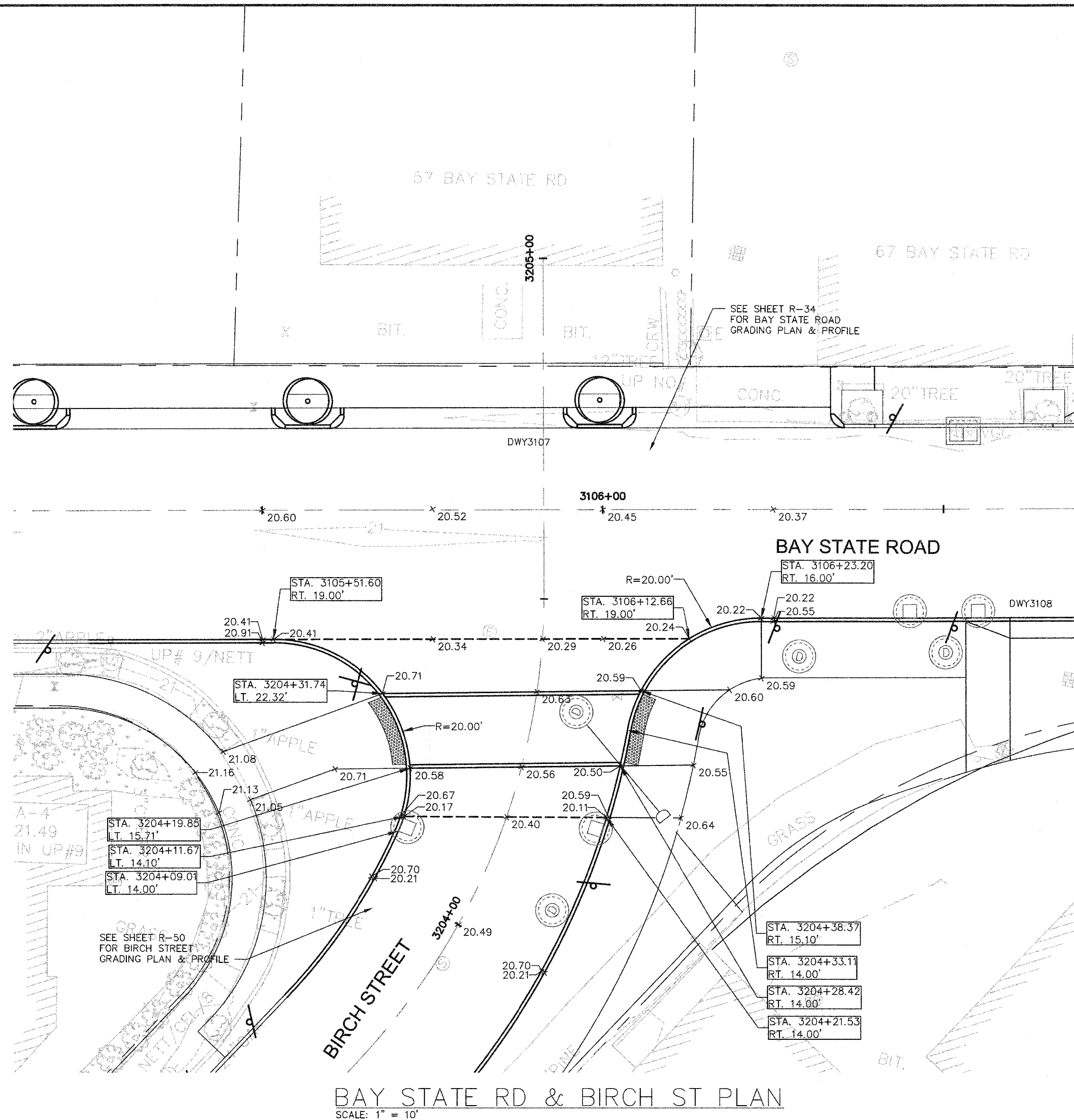
Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE FAYERWEATHER STREET STA 3120+00 TO 3125+33

Sheet	R-37
File No.	

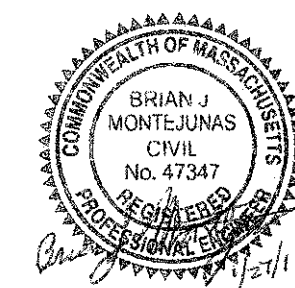
CAD FILE: G:\clients\cambridge\MA2012286.01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\IntersectionGrading - 1 PLOTTED: 2/12/2014 9:21 AM BY: Kyle Implies
 LAYOUT: IntersectionGrading - 1 PLOTTED: 2/12/2014 9:21 AM BY: Kyle Implies



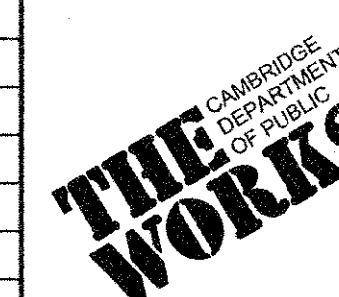
BAY STATE RD & BIRCH ST PLAN
SCALE: 1" = 10'



CONFORMED SET

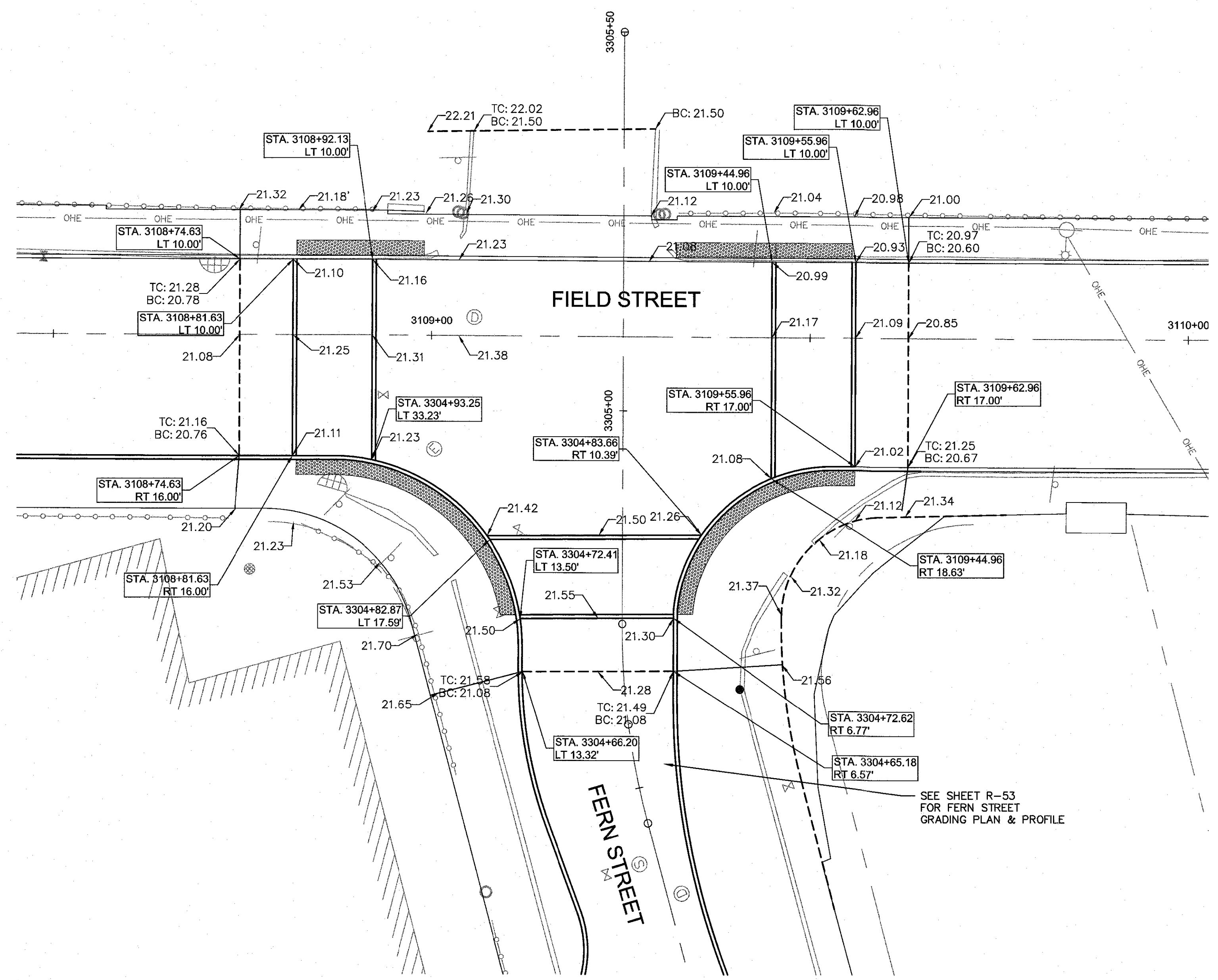
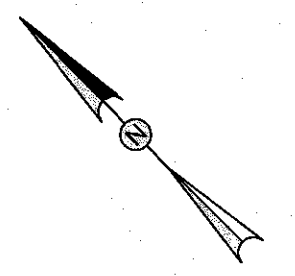


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMCTJR	No.	Description
Approved by	BJM		Date
REVISIONS			



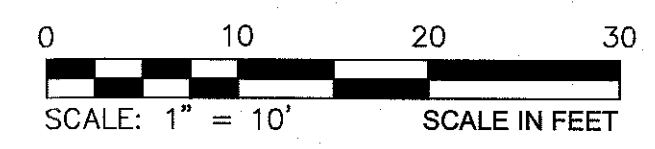
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN BAY STATE ROAD 1 OF 6

Sheet	R-38
File No.	6228



FIELD ST & FERN ST PLAN
SCALE: 1" = 10'

- LEGEND:**
- (XX.XX) EXISTING ELEVATION
 - XX.XX PROPOSED ELEVATION
 - TC TOP OF CURB
 - BC BOTTOM OF CURB

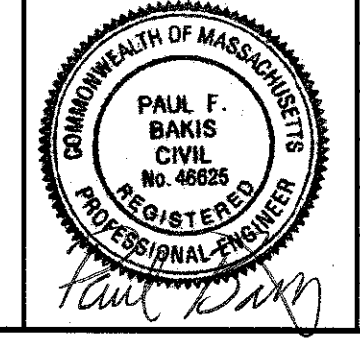


CONFORMED SET

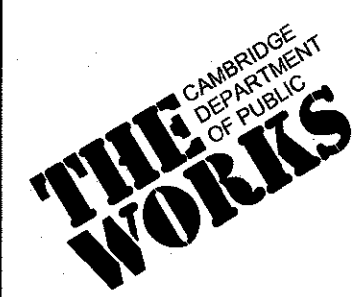
PLOTTED: 2/10/2014 11:15 AM BY: baki, paul
 LAYOUT: IntersectionGrading - 2 (RDR)
 CAD FILE: C:\pwworking\hdr\2014\IntersectionGrading_BayState-Feld-Fernwater.dwg



HDR
 HDR ENGINEERING, INC.
 695 ATLANTIC AVENUE, 2FL
 BOSTON, MASSACHUSETTS 02111-2626
 (617) 357-7700



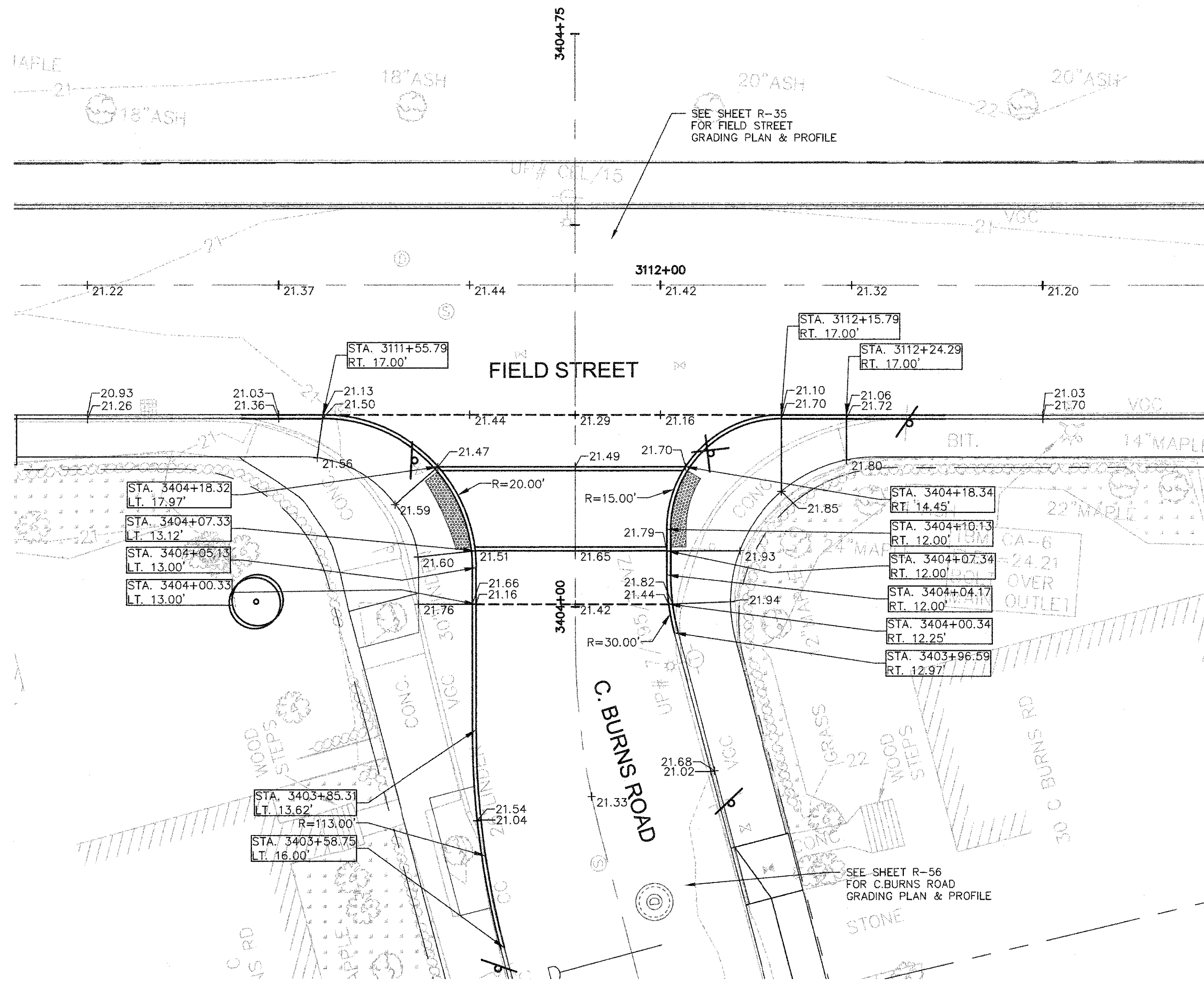
Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	PFB		
Drawn by	PFB		
Checked by	KPM	No.	Description
Approved by	GMF		Date
REVISIONS			



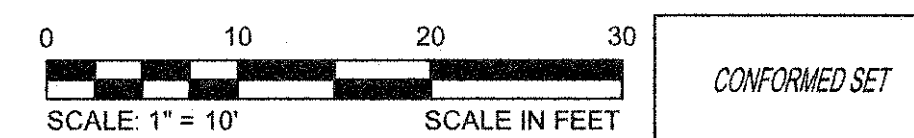
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FIELD STREET 2 OF 6

Sheet	R-39
File No.	

CAD FILE: G:\clients\cambridge\MA0212256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Intersection\Grading - 3 - PLOTTED: 2/12/2014 9:25 AM BY: kyle langlois



FIELD ST & CORPORAL BURNS RD PLAN
SCALE: 1" = 10'

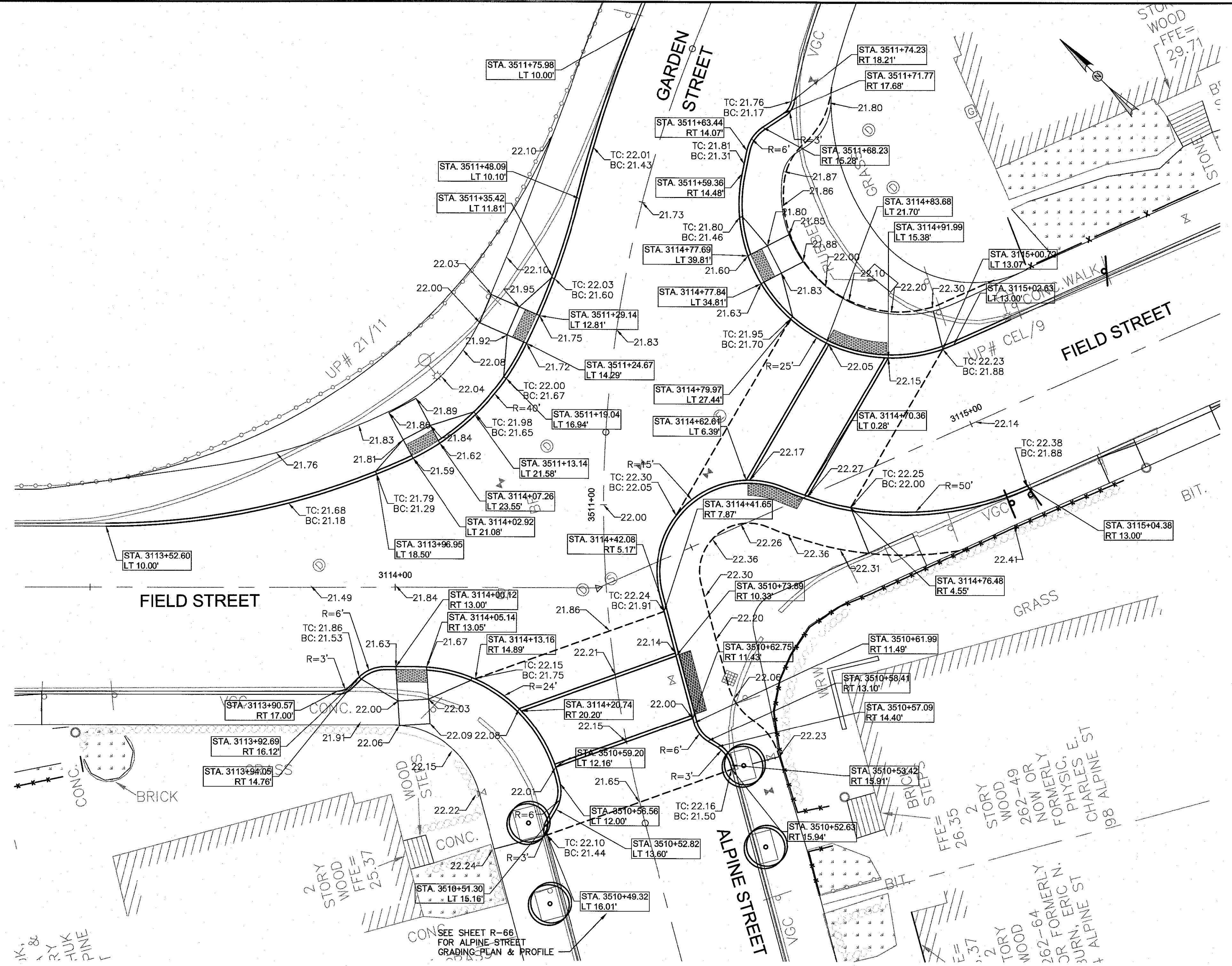


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



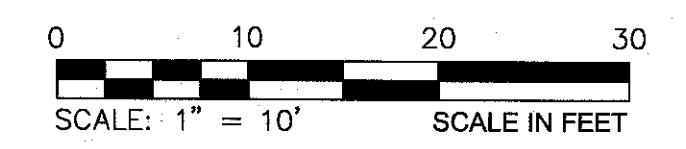
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FIELD STREET 3 OF 6

Sheet	R-40
File No.	6228



FIELD ST, ALPINE ST & GARDEN ST PLAN
SCALE: 1" = 10'

- LEGEND:**
- (XX.XX) EXISTING ELEVATION
 - XX.XX PROPOSED ELEVATION
 - TC TOP OF CURB
 - BC BOTTOM OF CURB

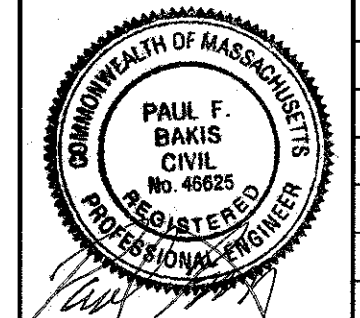


CONFORMED SET

PLOTTED: 2/10/2014 2:12 PM BY: bakis, paul
 LAYOUT: IntersectionGrading_BayState-Final-Feyrweather.dwg



HDR
 HDR ENGINEERING, INC.
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 BOSTON, MASSACHUSETTS 02111-2626
 (617) 357-7700

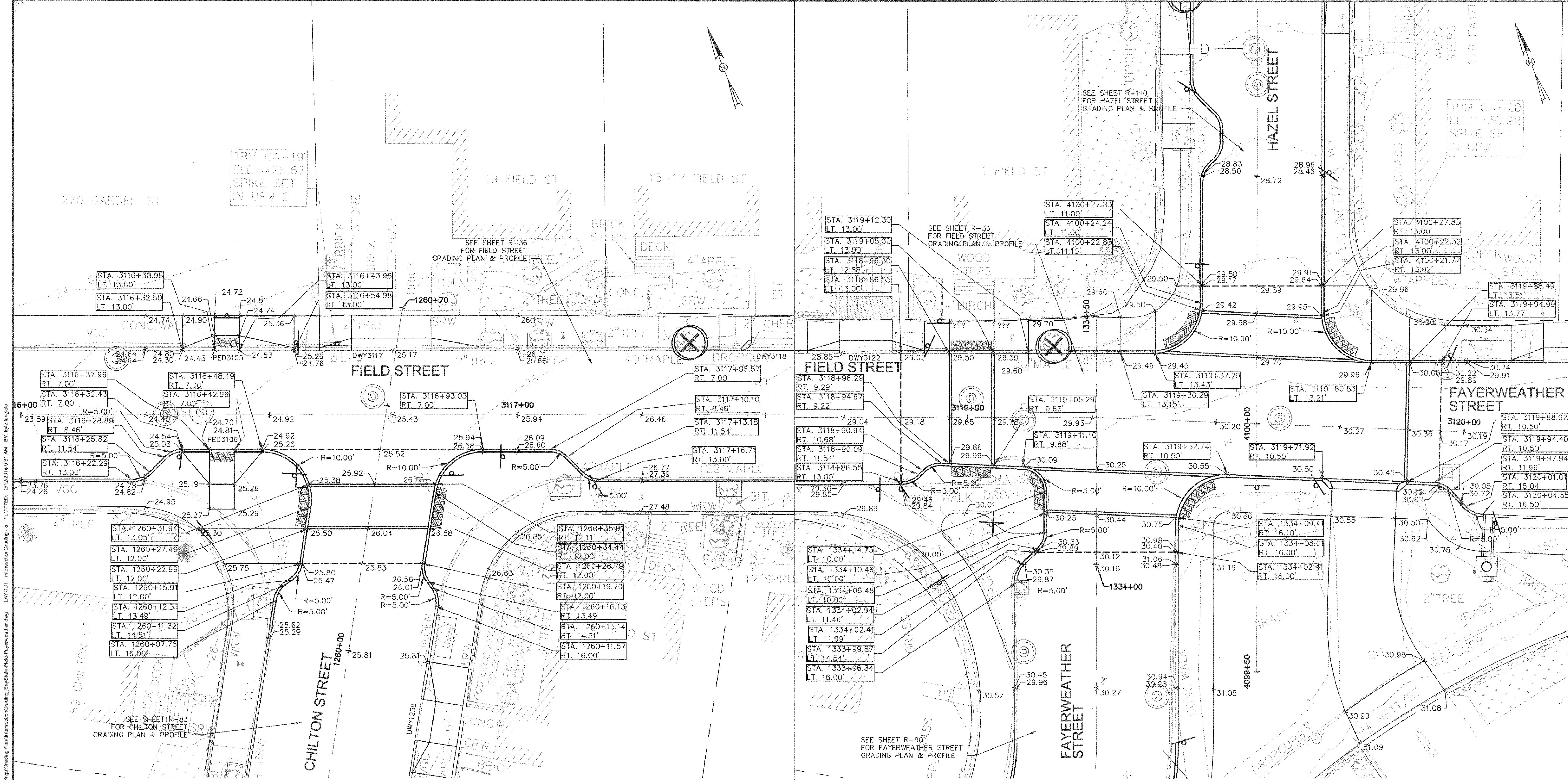


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	PFB		
Drawn by	PFB		
Checked by	KPM	No.	Description
Approved by	GMF		REVISIONS



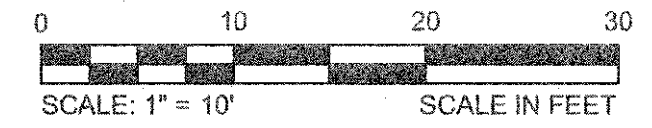
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FIELD STREET 4 OF 6

Sheet	R-41
File No.	



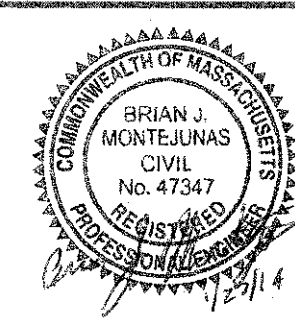
FIELD ST & CHILTON ST PLAN
SCALE: 1" = 10'

FIELD ST, FAYERWEATHER ST & HAZEL ST PLAN
SCALE: 1" = 10'



CONFORMED SET

CAD FILE: G:\clients\cambridge\MA\201226\01-1A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Intersection\Grading_Plan\Intersection\Grading_Plan\Intersection\Grading_Plan\Intersection\Grading_Plan.dwg
 LAYOUT: IntersectionGrading - 5 PLOTTED: 2/19/2014 8:37 AM BY: Kyle Langlois



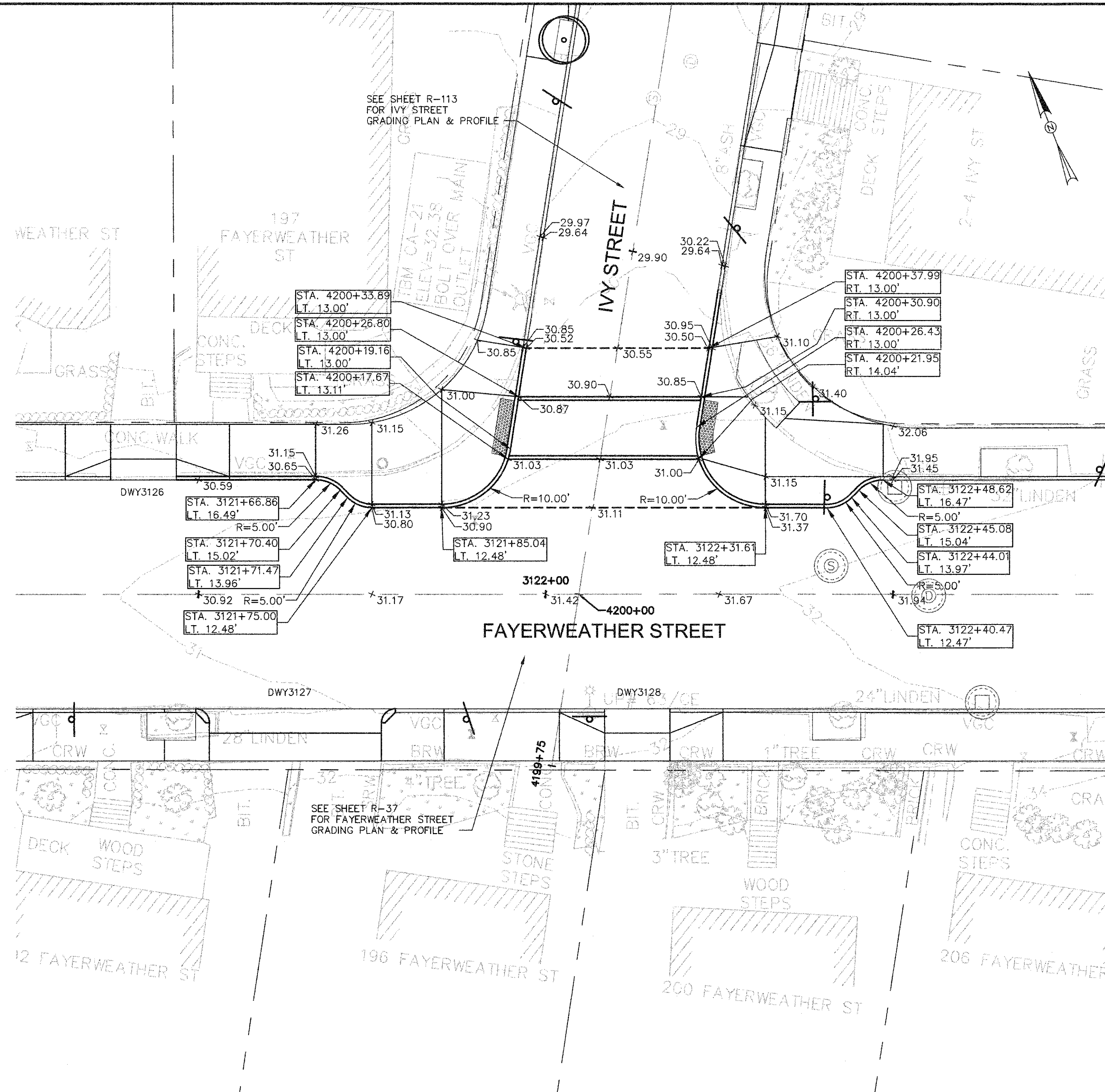
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJ/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



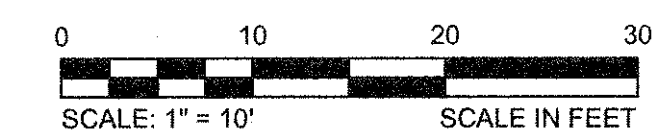
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FIELD STREET & FAYERWEATHER STREET 5 OF 6

Sheet	R-42
File No.	6228

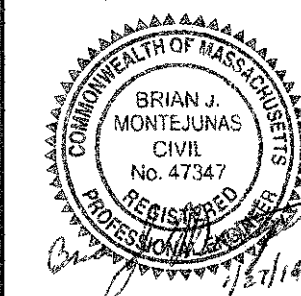
CAD FILE: G:\clients\cambridge\MA2012256\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\IntersectionGrading - 6 PLOTTED: 2/12/2014 8:37 AM BY: Kyle Langlois



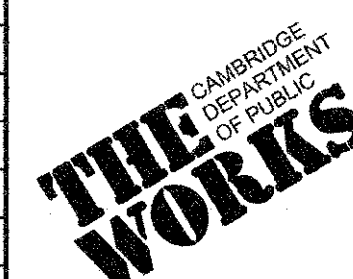
FAYERWEATHER ST & IVY ST PLAN
SCALE: 1" = 10'



CONFORMED SET

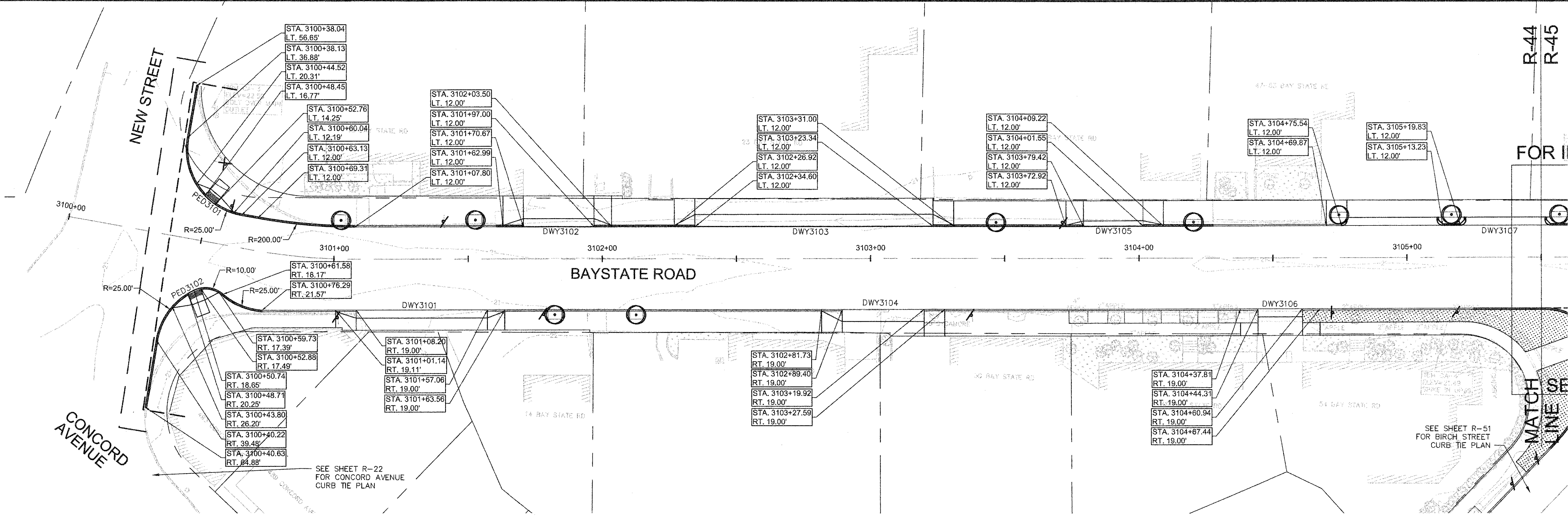


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



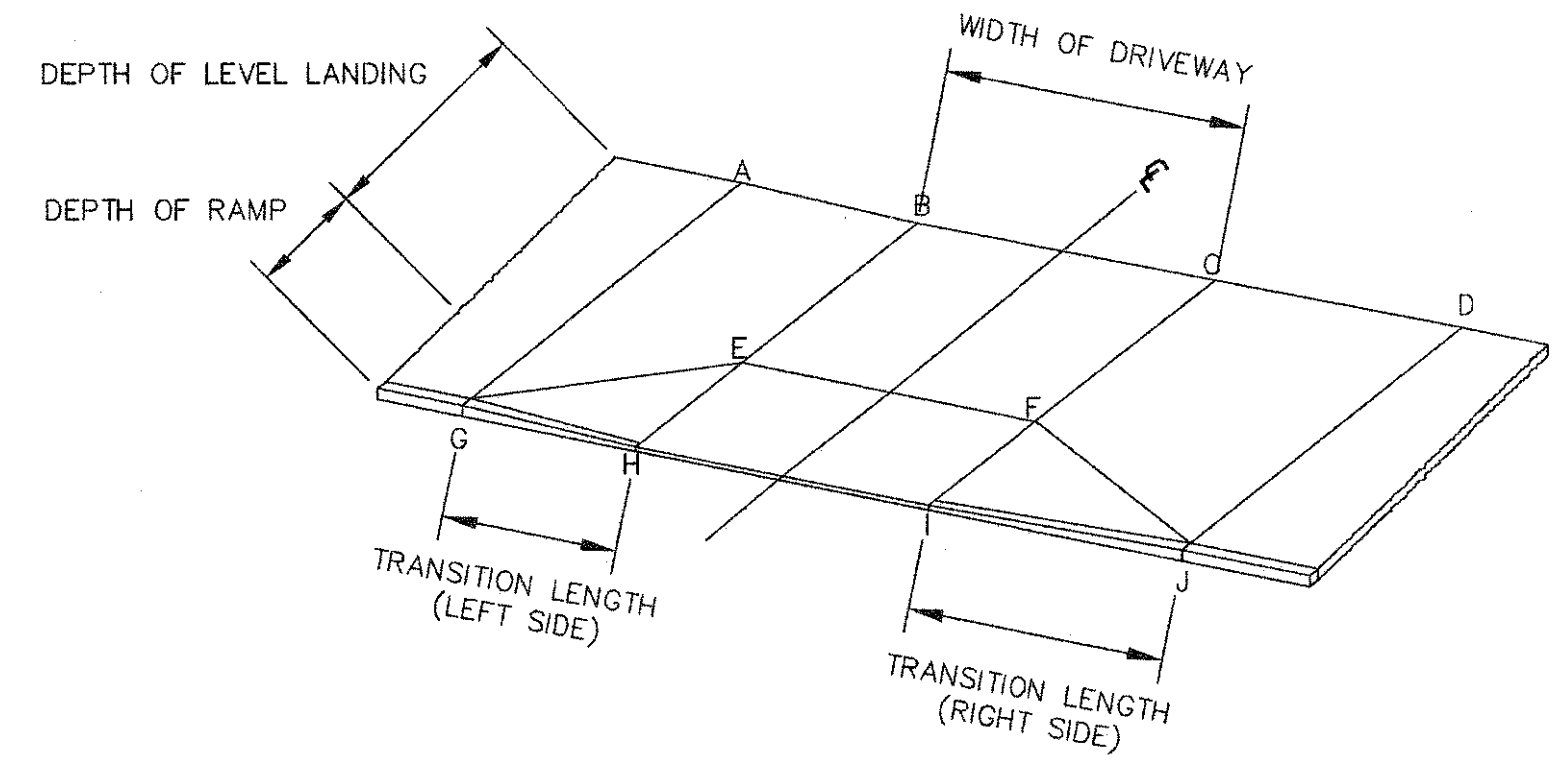
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FAYERWEATHER STREET 6 OF 6

Sheet	R-43
File No.	6228



BAY STATE ROAD DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3101	3.00	3.00	4.50	4.50	48.85	6.50	7.67	21.21	21.22	21.22	21.40	21.15	21.15	21.10	20.67	20.68	20.74	21.26	20.76
3102	3.00	3.00	8.50	8.50	26.33	7.67	6.50	21.15	21.04	21.06	20.97	20.91	20.93	21.05	20.55	20.52	20.40	20.87	20.37
3103	4.50	4.50	6.00	6.00	88.73	7.67	7.67	20.90	21.09	20.52	20.83	20.98	20.41	20.76	20.26	20.23	20.23	20.75	20.25
3104	5.50	4.50	4.00	4.00	30.52	7.67	6.50	20.93	21.10	20.96	20.83	21.03	20.93	20.81	20.31	20.29	20.22	20.71	20.21
3105	2.00	2.00	7.50	7.50	22.13	6.50	7.67	20.93	20.66	20.50	20.81	20.56	20.49	20.85	20.35	20.37	20.42	20.94	20.44
3106	3.00	3.00	7.00	7.00	16.63	6.50	6.50	21.14	21.10	21.16	21.18	21.00	21.05	21.05	20.55	20.56	20.58	21.07	20.57
3107	3.00	3.00	6.50	6.00	155.92	7.67	6.50	20.85	20.75	20.63	20.65	20.66	20.54	20.98	20.48	20.47	20.01	20.50	20.00



TYPICAL RAMP LEGEND
SCALE: N.T.S.

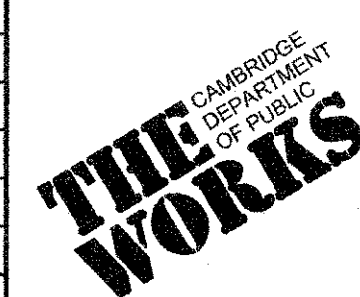


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA2012256\01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\Curb Tie BayState-Field-Fryweather.dwg
 LAYOUT: Curb Tie - BayStateR1 - PLOTTED: 2/11/2014 8:59 AM BY: kyle tangalis

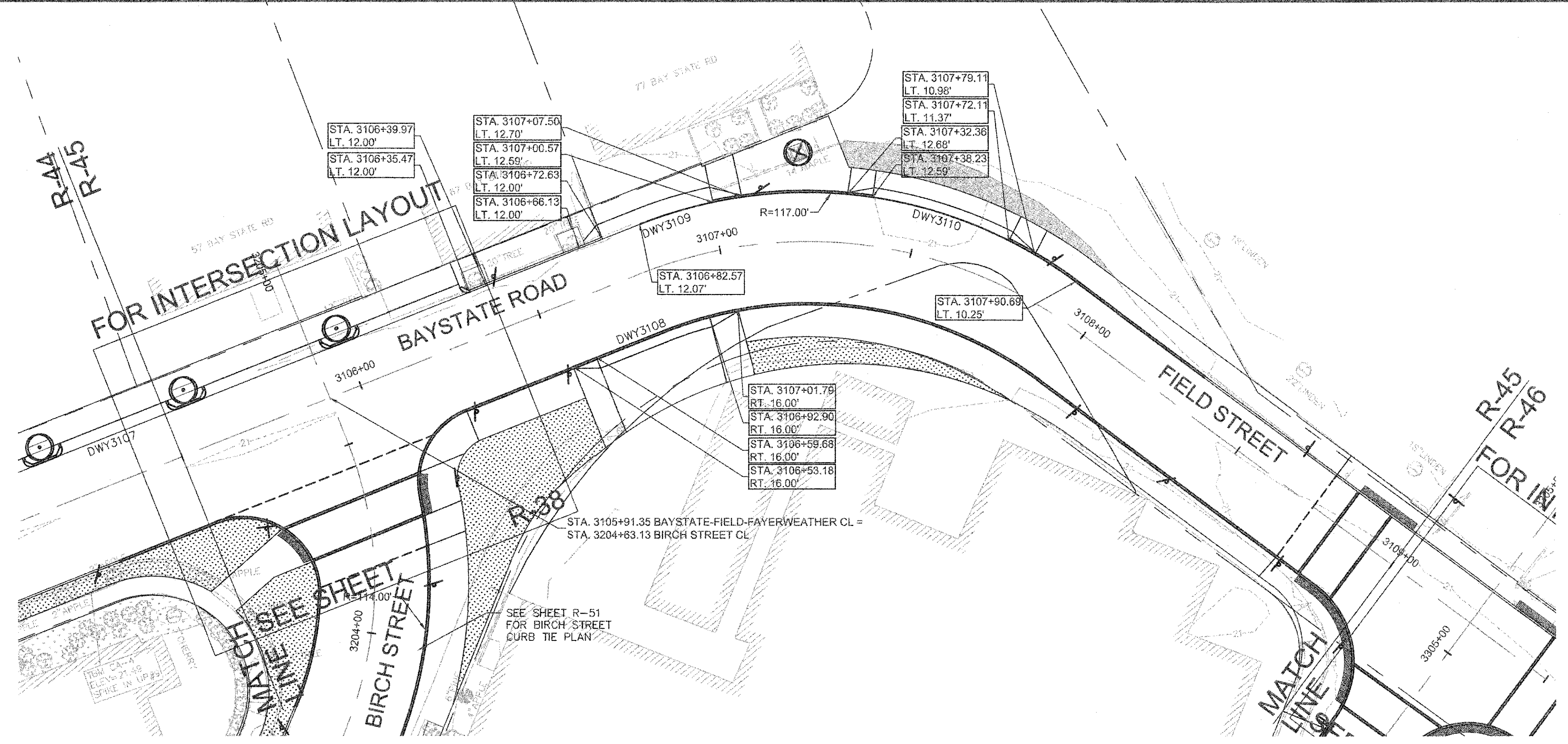


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJI/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



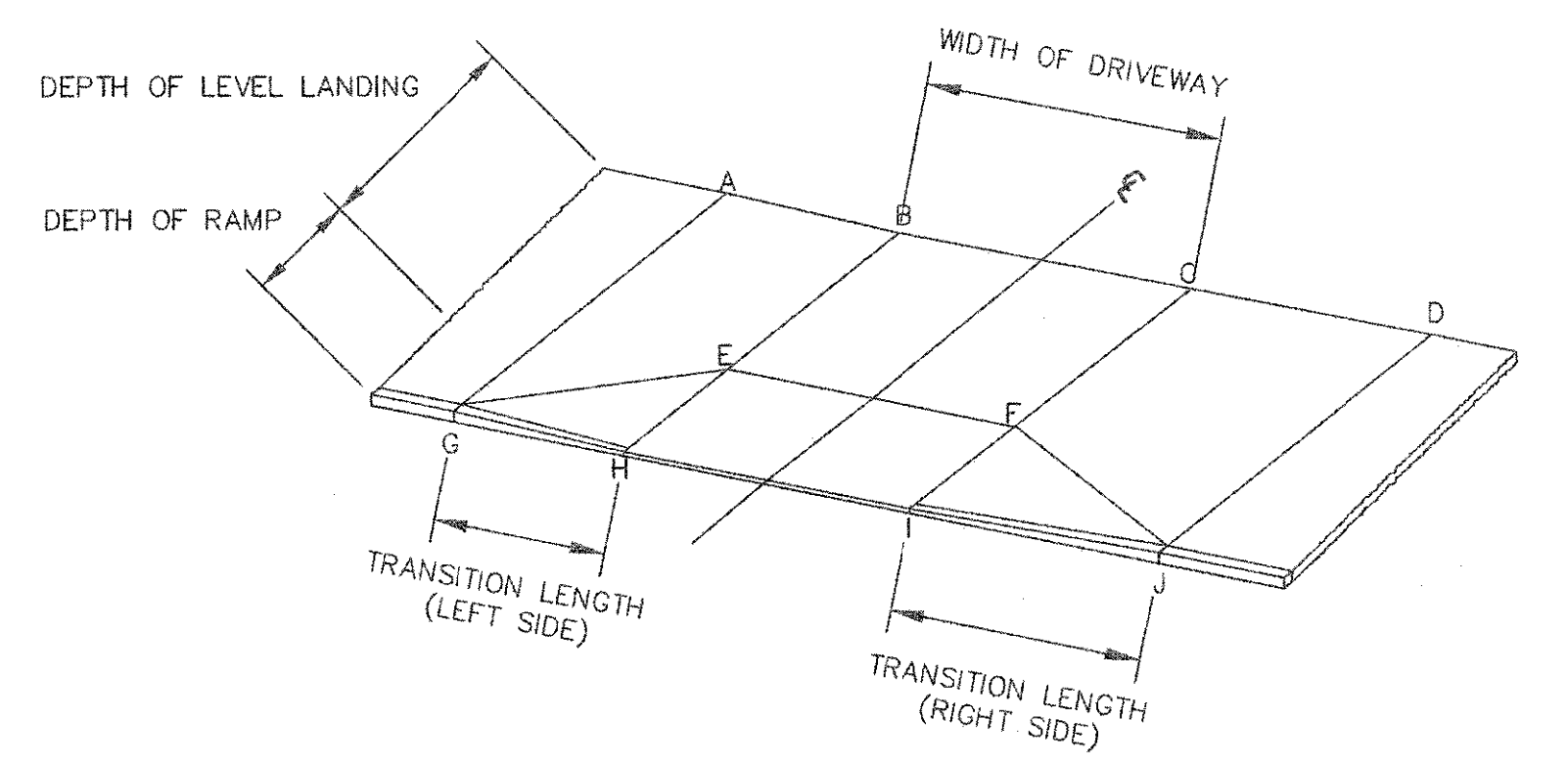
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN BAY STATE ROAD STA 3100+38 TO 3105+50

Sheet	R-44
File No.	6228

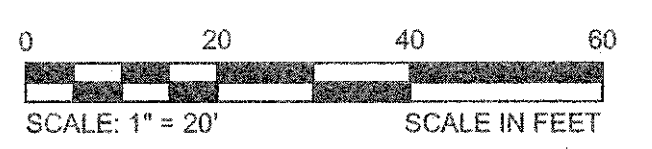


BAY STATE ROAD DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3107								SEE SHEET R-44											
3108	3.00	3.00	18.00	15.00	31.25	7.67	6.50	20.76	20.64	20.68	20.75	20.46	20.38	20.66	20.16	20.14	20.04	20.53	20.03
3109	4.00	4.00	5.00	5.82	30.26	6.50	7.67	20.68	20.70	20.86	20.91	20.61	20.76	20.55	20.05	20.08	20.23	20.75	20.25
3110	3.00	3.00	4.00	4.00	37.40	6.50	7.67	20.88	20.93	20.92	21.14	20.87	20.86	20.82	20.32	20.35	20.56	21.08	20.58

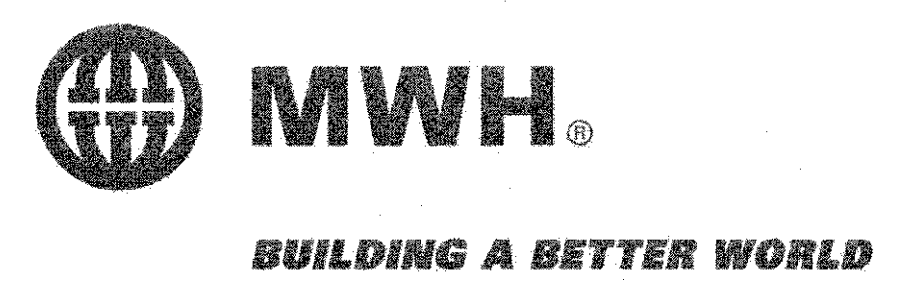


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

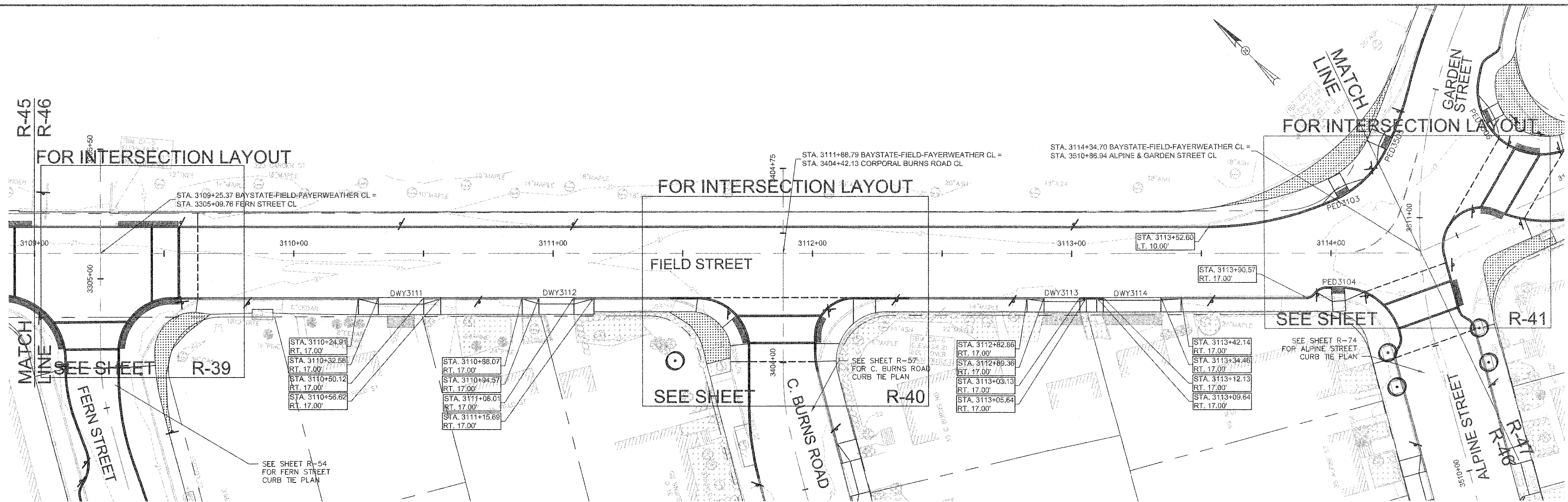
CAD FILE: G:\clients\Cambridge MA\2012256\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\Curb Tie Plan (Curb Tie)_BayState-Field-Fayerweather.dwg
 LAYOUT: Curb Tie - BayState.dwg
 2/11/2014 9:00 AM BY: kyle langille



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TALJRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

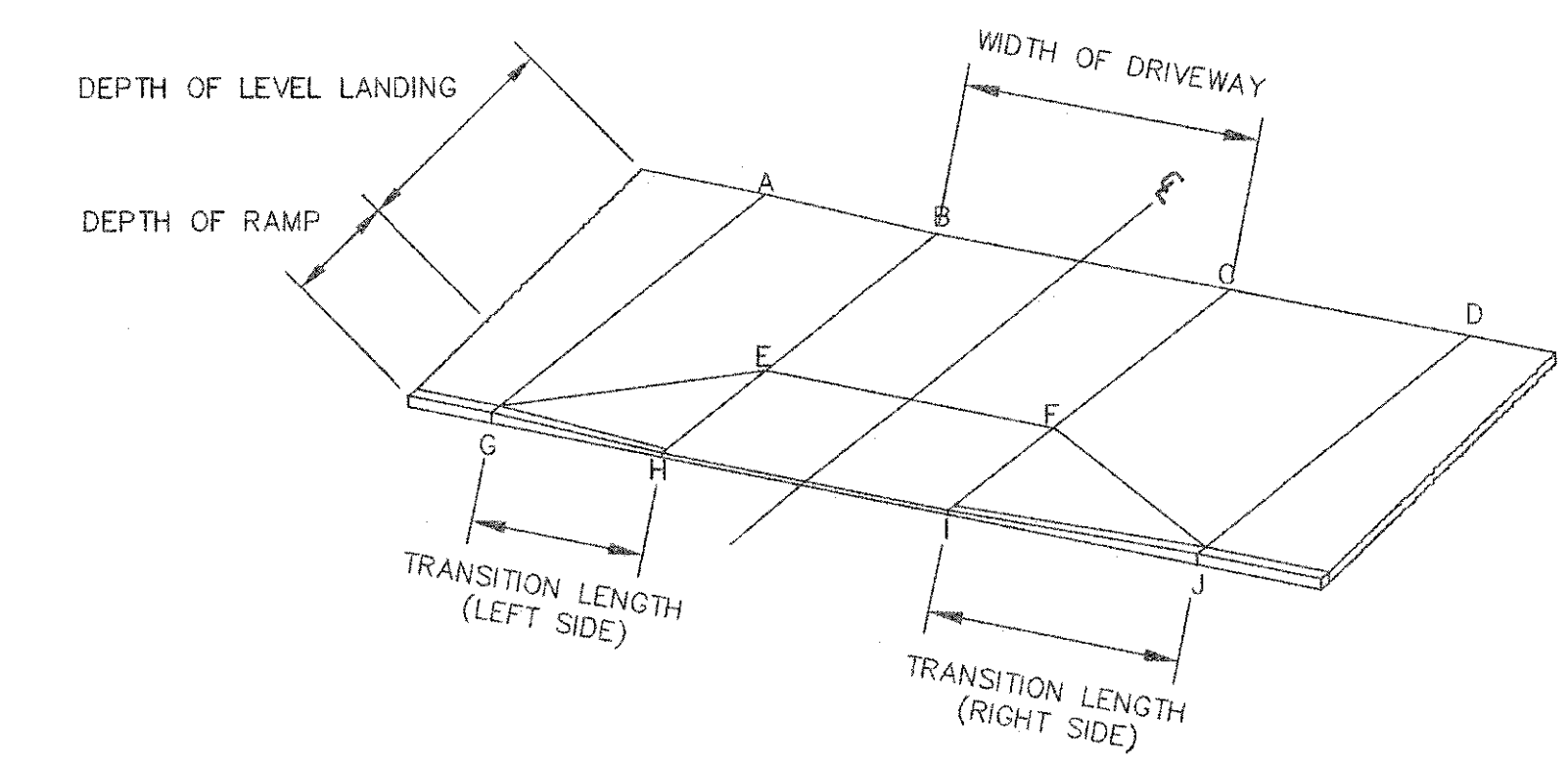


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-45
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN BAY STATE ROAD STA 3105+50 TO 3109+00		

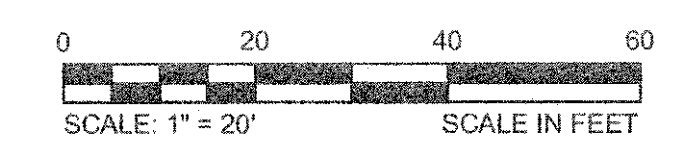


FIELD STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3111	2.50	2.50	4.00	4.00	17.55	7.67	6.50	21.05	21.10	21.07	21.30	21.08	21.00	21.03	20.70	20.67	20.56	21.18	20.51
3112	2.50	2.50	4.00	4.00	13.45	7.67	6.50	21.25	20.90	20.96	21.22	20.89	20.90	21.23	20.90	20.88	20.84	21.15	20.82
3113	1.50	1.50	4.00	4.00	13.78	2.50	6.50	21.29	21.14	21.10	21.58	21.08	21.08	21.19	20.85	20.86	20.89	21.56	20.90
3114	1.50	1.50	4.00	4.00	22.33	7.67	2.50	21.73	21.19	21.10	21.29	21.13	21.04	21.71	21.04	21.02	20.90	21.19	20.85

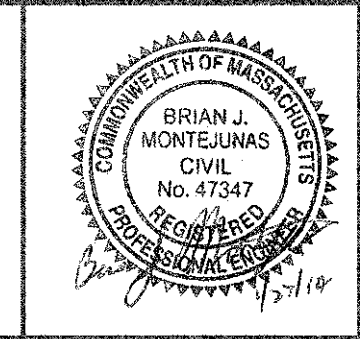


TYPICAL RAMP LEGEND
SCALE: N.T.S.

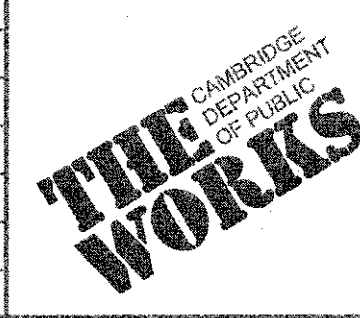


CONFORMED SET

CAD FILE: G:\clients\cambridge MA\2012256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\Curb Tie Plan\Curv\BayState-Field-Fayerweather.dwg
 LAYOUT: Curb Tie - Field - R-46
 PLOTTED: 2/11/2014 9:00 AM BY: Kyle Langlois



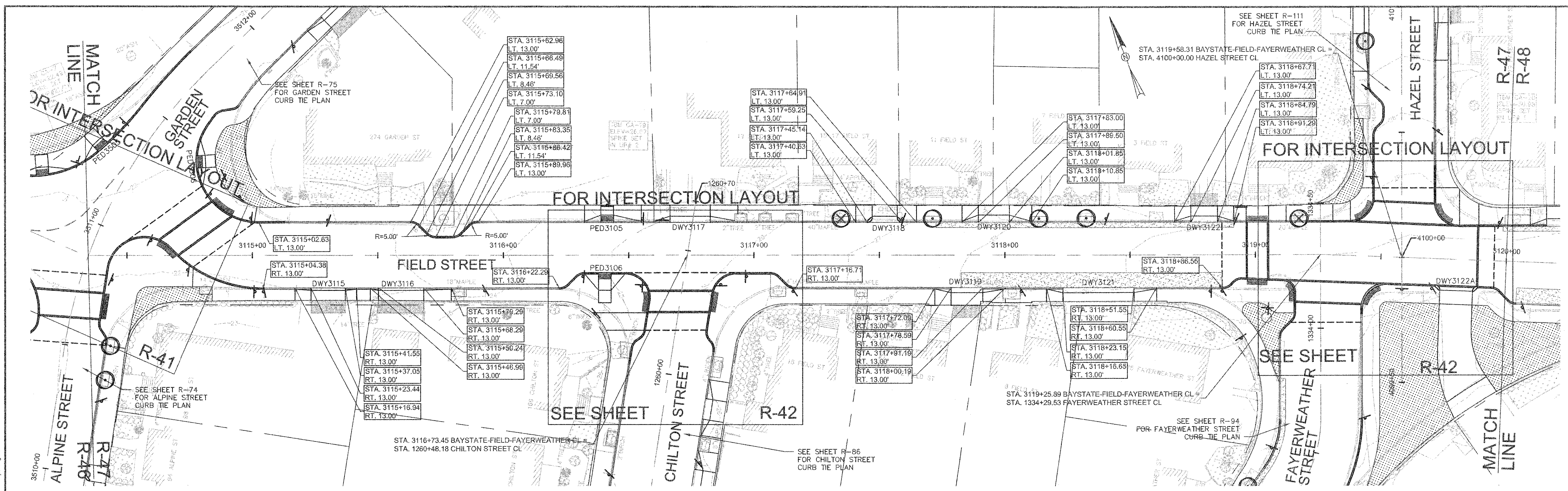
Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN FIELD STREET STA 3109+00 TO 3114+35

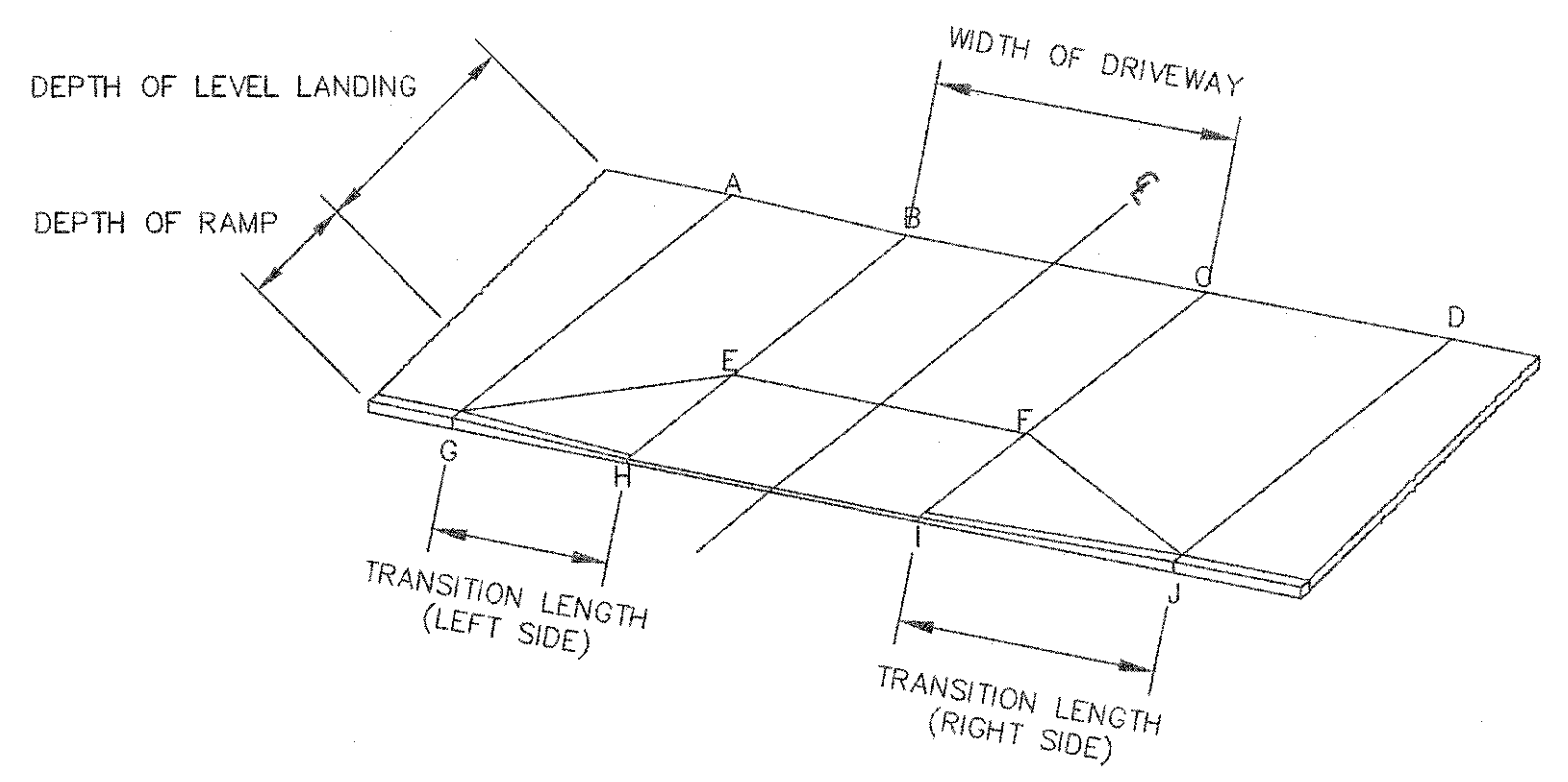
Sheet	R-46
File No.	6228

CAD FILE: G:\clients\cambridge\MA201226\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurTie_Plan_BayState-Field-Fayerweather.dwg
 LAYOUT: CurTie - Fields 2 - PLOTTED: 2/11/2014 9:01 AM BY: Kyle Langlois

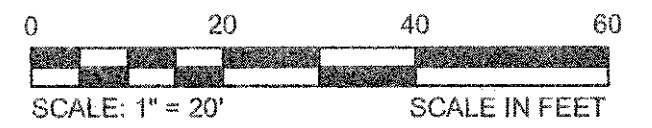


FIELD STREET DRIVEWAY RAMP SCHEDULE

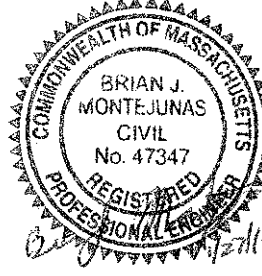
DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3115	1.00	1.00	4.00	4.00	13.61	4.50	6.50	22.97	22.76	22.50	22.61	22.70	22.44	22.89	22.56	22.47	22.21	22.61	22.11
3116	1.00	1.00	4.12	4.00	18.05	11.00	3.25	23.90	23.30	22.92	23.03	23.26	22.88	23.83	23.33	23.11	22.73	23.00	22.67
3117	2.50	2.50	4.50	4.50	16.00	6.50	11.00	25.46	25.36	25.61	25.98	25.29	25.61	25.37	24.87	25.00	25.33	25.95	25.56
3118	2.50	2.50	4.50	4.50	10.11	6.50	11.00	26.95	27.10	27.23	27.64	27.03	27.16	26.85	26.52	26.65	26.86	27.52	27.02
3119	2.00	2.00	4.00	5.00	12.59	9.00	6.50	29.05	28.49	28.26	28.52	28.47	28.24	28.95	28.28	28.10	27.87	28.41	27.74
3120	3.00	3.00	4.00	4.00	12.36	6.50	9.00	27.96	27.93	28.20	28.46	27.87	28.14	27.88	27.38	27.50	27.73	28.38	27.88
3121	2.00	2.00	4.00	4.00	28.40	9.00	6.50	29.63	29.46	29.05	29.08	29.40	28.99	29.56	29.16	29.07	28.66	29.23	28.56
3122	2.50	2.50	4.00	4.00	10.59	6.50	6.50	29.28	29.21	29.28	29.53	29.15	29.21	29.24	28.74	28.83	28.96	-	-
3122A	SEE SHEET R-42 FOR DRIVEWAY ELEVATIONS																		



TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

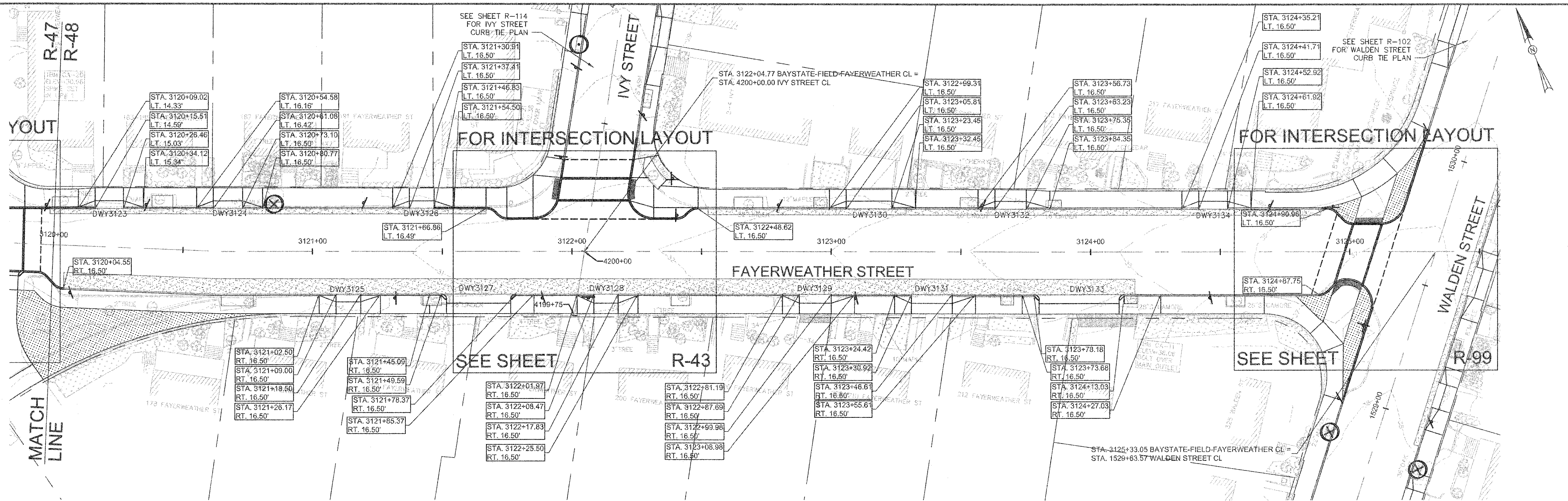


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



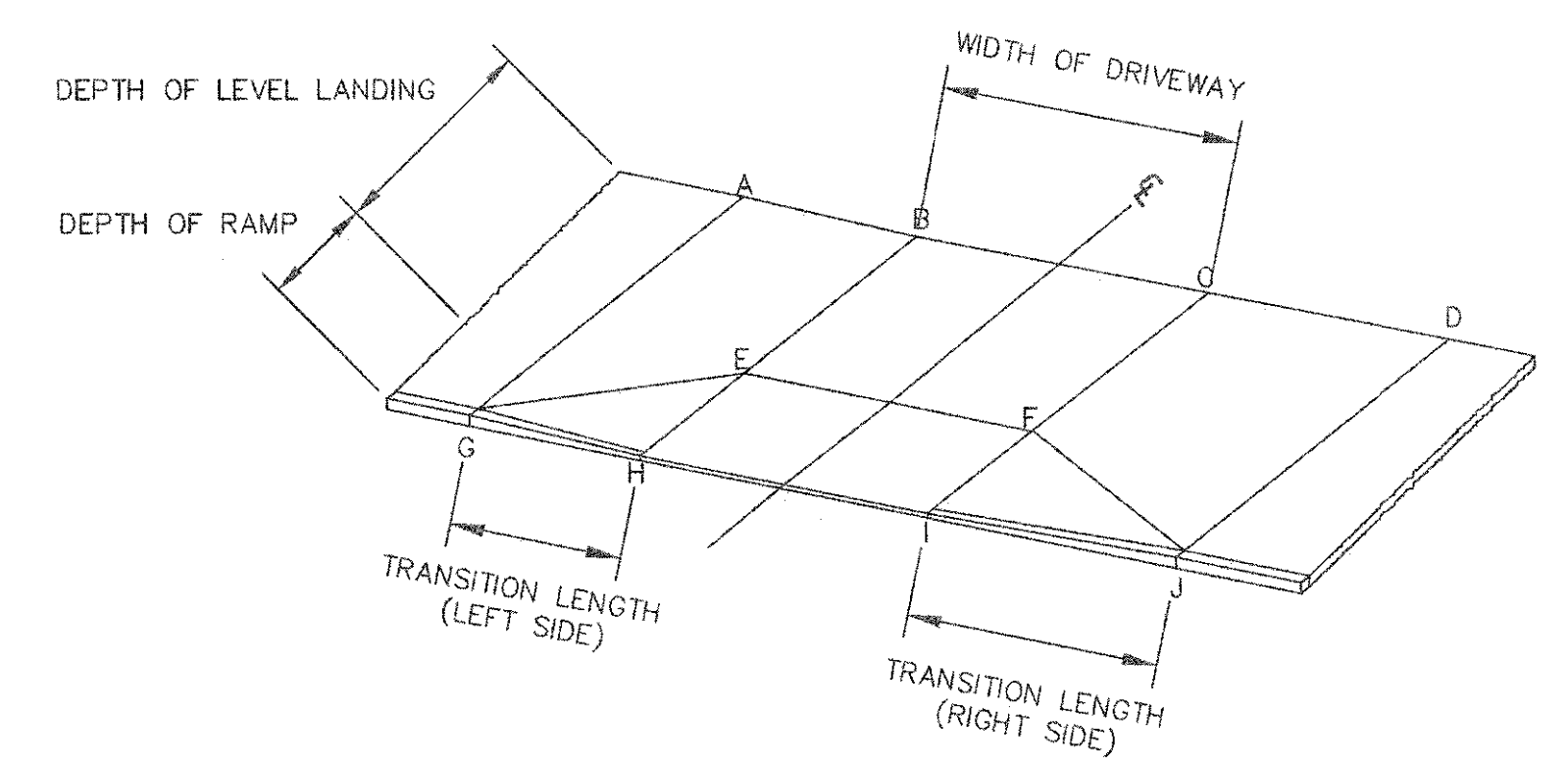
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-47
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN FIELD STREET STA 3114+35 TO 3120+00		

CAD FILE: G:\clients\cambridge\MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_BayState-Field-Fayerweather.dwg
 LAYOUT: CurbTie - Fayerweather.dwg
 PLOTTED: 2/11/2014 9:01 AM BY: Kyle Langlois

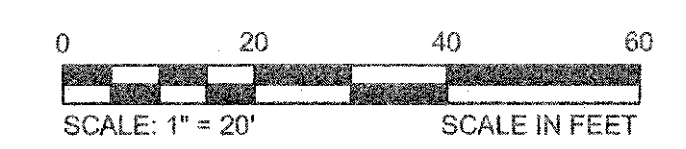


FAYERWEATHER STREET DRIVEWAY RAMP SCHEDULE

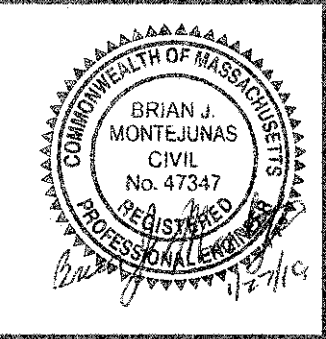
DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
								3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134
3123	3.00	3.00	5.00	5.00	10.96	6.50	7.67	30.41	30.49	30.50	30.59	30.42	30.43	30.26	29.93	29.94	29.97	30.48	29.98
3124	3.00	3.00	5.00	5.00	11.36	6.50	7.67	30.64	30.65	30.68	30.72	30.58	30.61	30.53	30.03	30.05	30.08	30.61	30.11
3125	3.00	3.00	4.50	4.50	9.50	7.67	6.50	31.10	31.07	31.00	30.97	31.00	30.93	31.02	30.52	30.47	30.40	30.86	30.36
3126	3.00	3.00	5.00	5.00	9.43	6.50	7.67	31.02	31.07	31.13	31.17	31.00	31.06	30.91	30.41	30.47	30.56	31.11	30.61
3127	3.50	3.50	4.00	4.00	24.78	9.00	6.50	31.84	31.68	31.43	31.32	31.61	31.36	31.77	31.11	31.02	30.77	31.21	30.71
3128	3.50	3.50	4.00	4.00	9.36	7.67	6.50	32.22	32.03	31.94	32.01	31.96	31.87	32.17	31.51	31.43	31.34	31.94	31.28
3129	3.50	3.50	4.00	4.00	12.29	9.00	6.50	33.38	33.27	33.04	33.05	33.20	32.97	33.28	32.78	32.61	32.38	32.92	32.26
3130	3.00	3.00	4.50	4.50	17.64	6.50	9.00	33.02	33.09	33.40	33.67	33.02	33.33	32.94	32.44	32.56	32.90	33.57	33.07
3131	3.50	3.50	4.00	4.00	15.69	9.00	6.50	34.12	33.95	33.80	33.87	33.90	33.75	34.10	33.63	33.50	33.20	33.74	33.08
3132	3.00	3.00	4.50	4.50	12.12	6.50	9.00	34.11	34.06	34.25	34.48	33.99	34.18	34.03	33.53	33.65	33.88	34.38	34.05
3133	3.50	3.50	4.00	4.00	30.84	16.00	6.50	35.78	35.38	34.60	34.57	35.32	34.53	35.70	35.03	34.72	34.13	34.51	34.01
3134	3.00	3.00	4.00	4.00	11.21	6.50	9.00	35.46	35.70	35.94	36.12	35.64	35.88	35.35	35.02	35.14	35.35	36.02	35.52



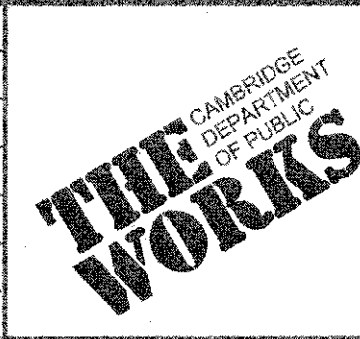
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SCALE: N.T.S.



CONFORMED SET

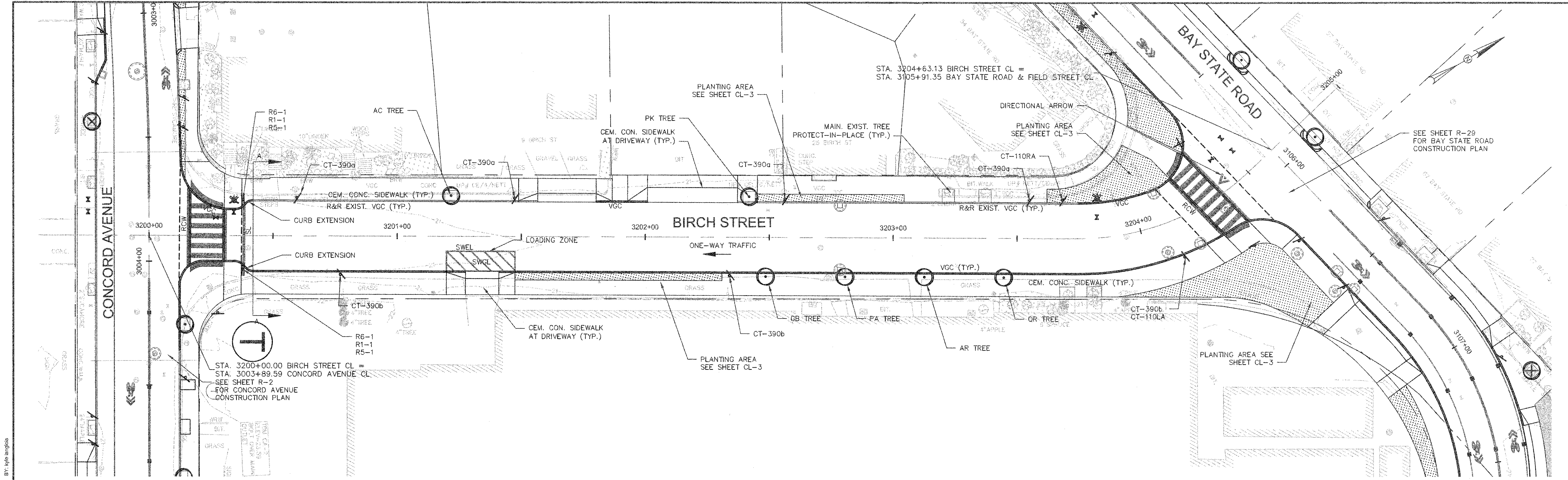


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN FAYERWEATHER STREET STA 3120+00 TO 3125+33

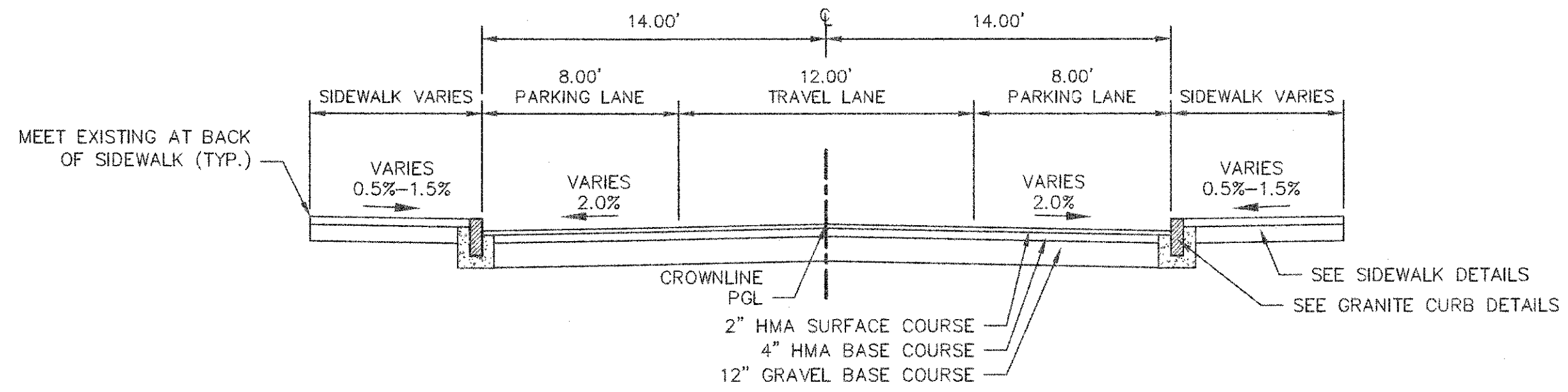
Sheet	R-48
File No.	6228



CAD FILE: G:\final\Cambridge\MA\2012286.01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Construction Plan\Construction Birch-Ferns.dwg
 LAYOUT: Construction - Birch.R - PLOTTED: 2/11/2014 1:27 PM BY: Kyle Angulis

NOTES:

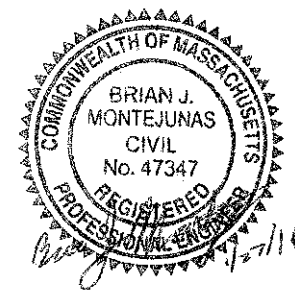
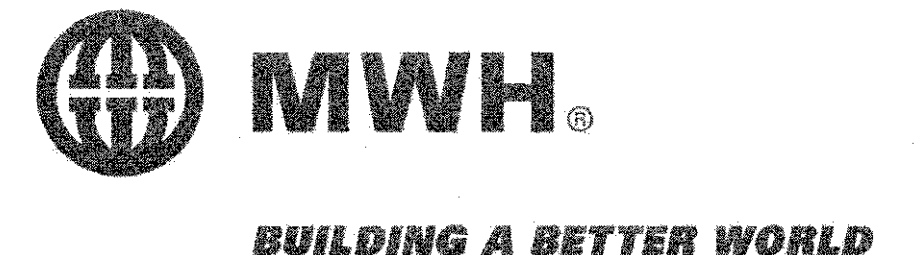
1. WORK IN BIRCH STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



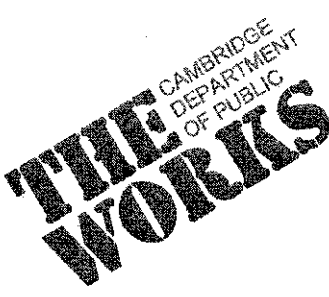
A TYPICAL SECTION
R-49 SCALE: 1"=5'



CONFORMED SET

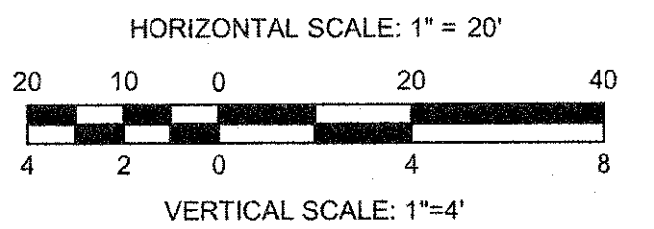
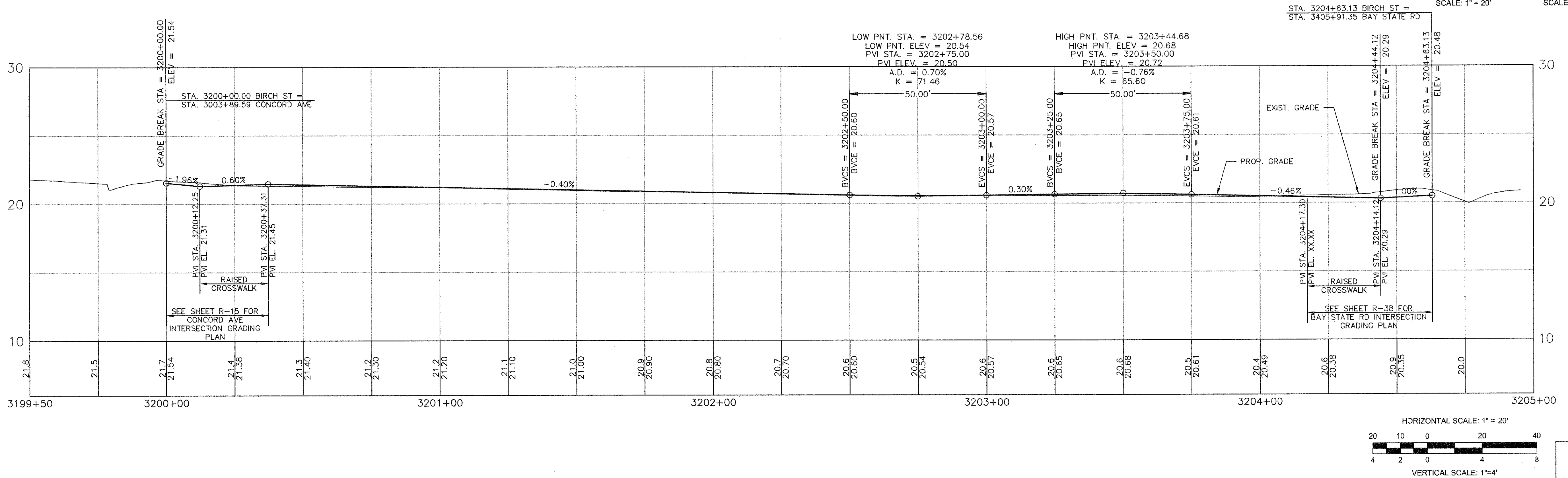
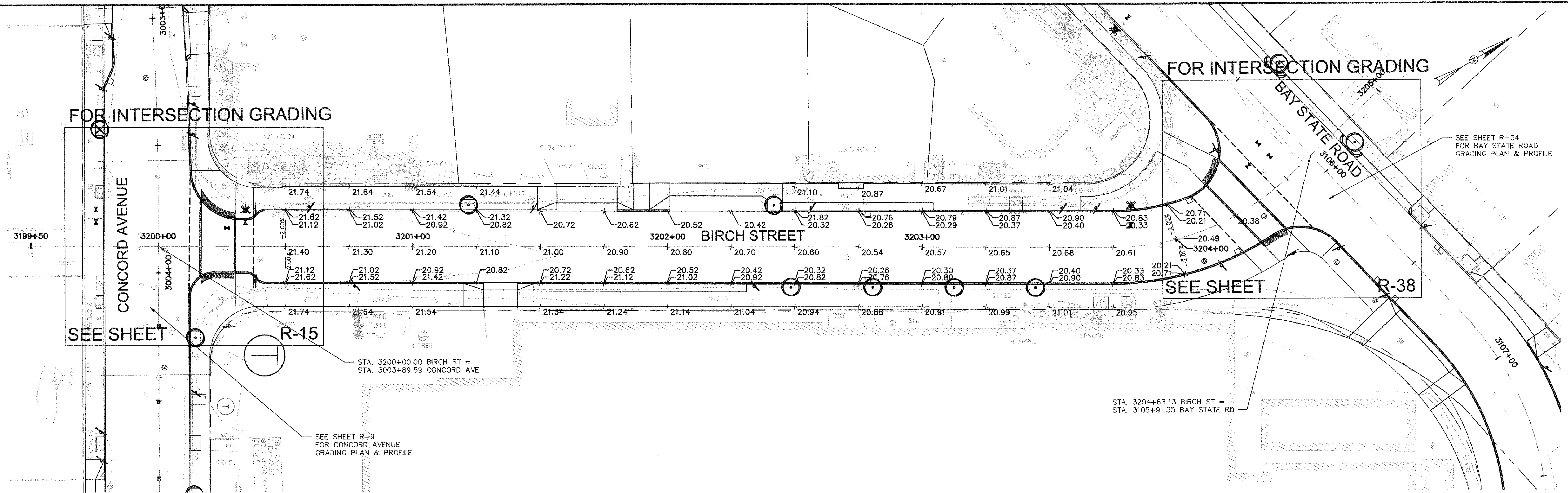


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			

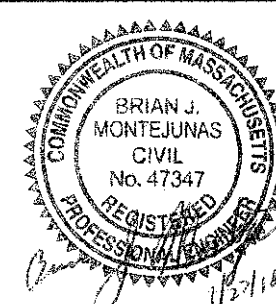


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-49
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN BIRCH STREET STA 3200+00 TO 3204+63		

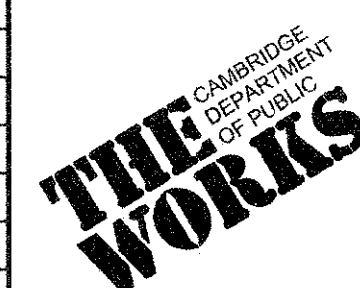
CAD FILE: G:\client\Cambridge\MA201226\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Grading_Birch-Fm-CBms.dwg LAYOUT: Grading - Birch - Plotted: 2/12/2014 7:52 AM BY: Kyle Langlois



CONFORMED SET



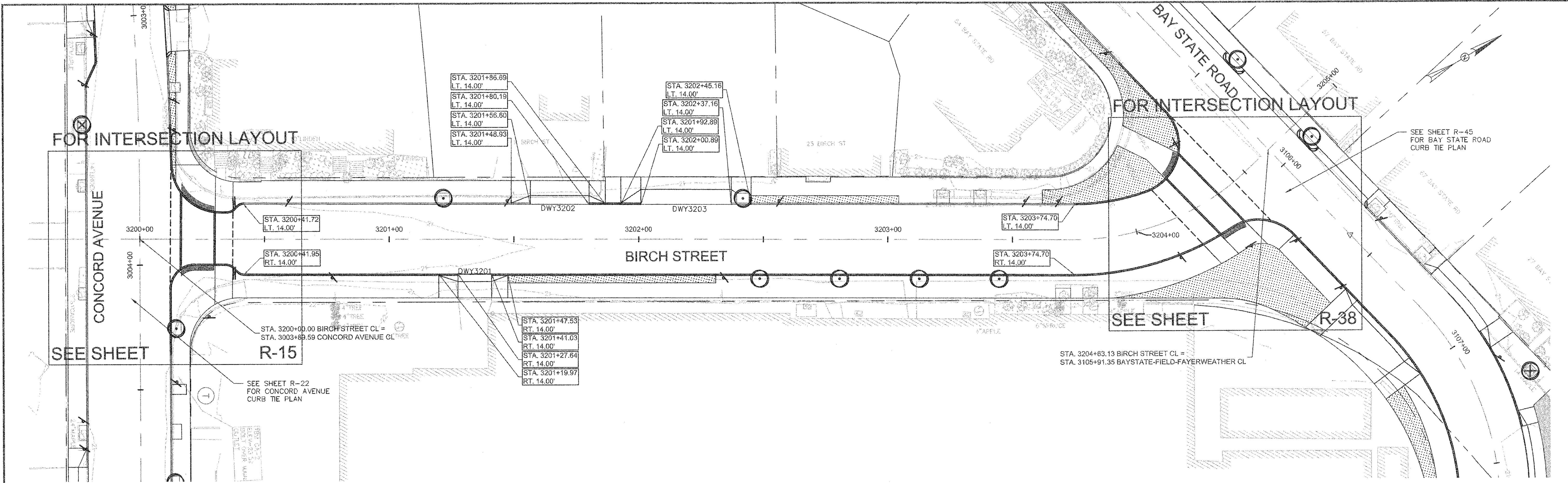
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJI/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE BIRCH STREET STA 3200+00 TO 3204+63

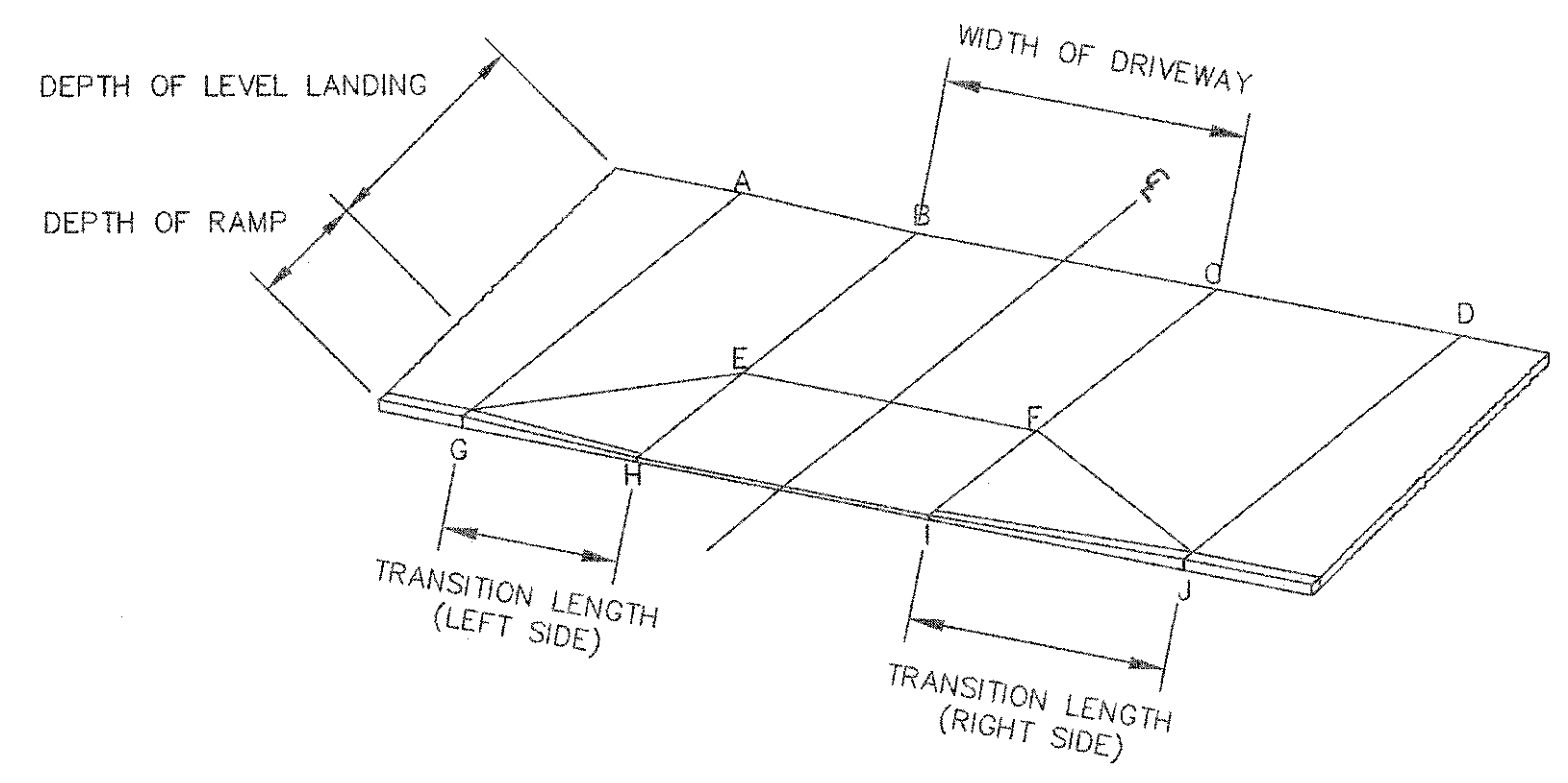
Sheet	R-50
File No.	6228

CAD FILE: C:\Users\lcambridge\My Documents\Drawings\2014\Contract 9\Drawings\Civil\Production\Drawings\Cur Tie\Plan\CurTie_Birch-Fm-CBms.dwg LAYOUT: CurTie - Birch - FLOTTEED: 2/11/2014 9:30 AM BY: Kyle Langis

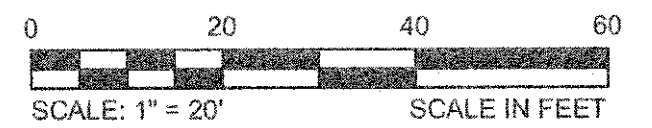


BIRCH STREET DRIVEWAY RAMP SCHEDULE

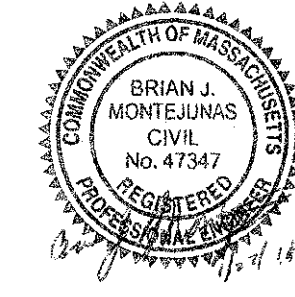
DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3201	3.00	3.00	6.50	6.50	13.40	6.50	7.67	21.35	21.25	21.29	21.46	21.15	21.19	21.23	20.73	20.76	20.81	21.34	20.84
3202	3.00	3.00	6.50	6.50	23.59	7.67	7.67	21.34	21.21	21.07	21.42	21.11	20.97	21.22	20.72	20.69	20.60	21.07	20.57
3203	6.00	6.00	5.00	5.00	36.27	8.00	8.00	21.43	21.57	21.20	21.20	21.48	21.13	21.05	20.55	20.52	20.37	20.85	20.35



TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET



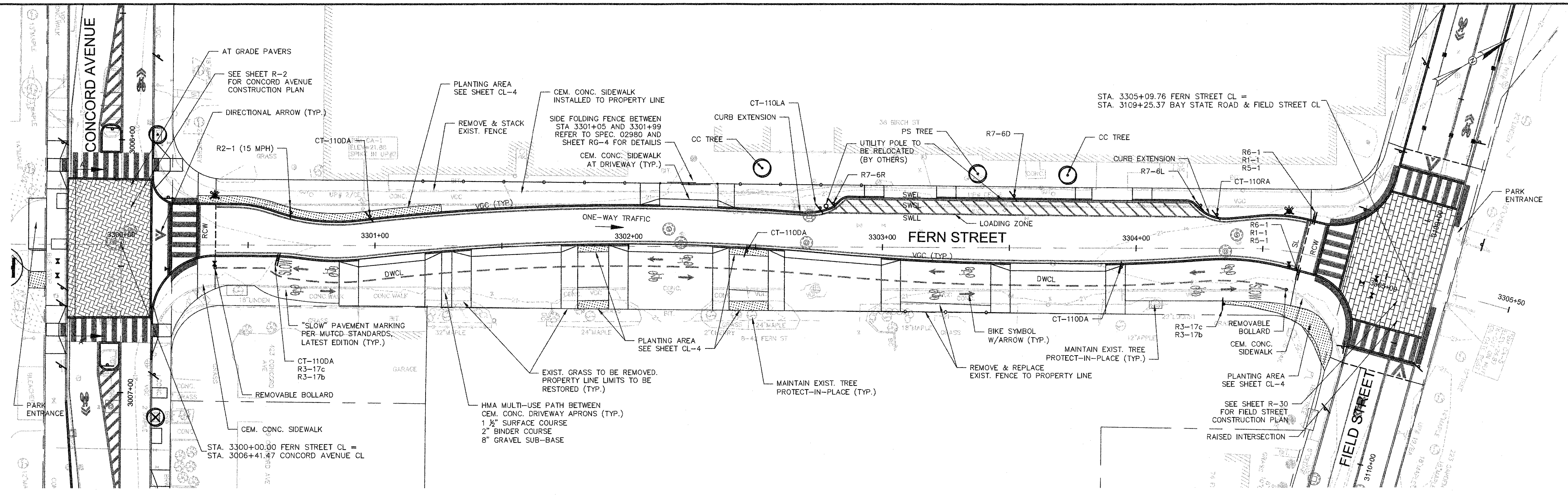
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/JJR	No.	Description
Approved by	BJM		Date
			REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN BIRCH STREET STA 3200+00 TO 3204+63

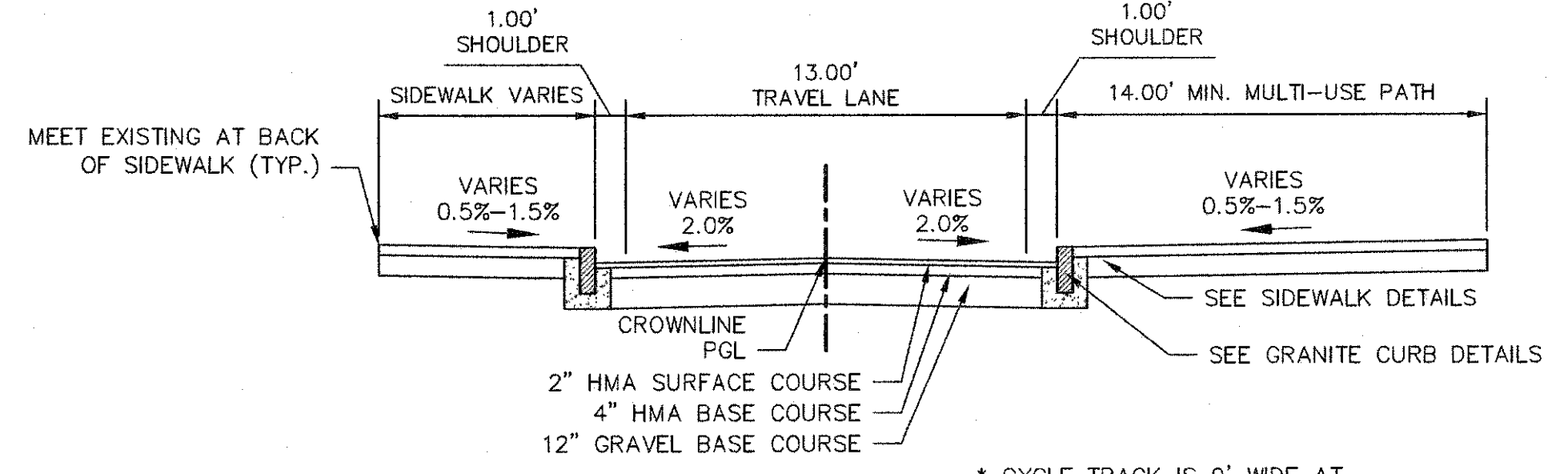
Sheet	R-51
File No.	6228

CAD FILE: G:\clients\cambridge\10\101256\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Construction - Plan\Construction - Plan-Fern-28.rvt
 LAYOUT: Construction - Plan - PLOTTED - 2/26/2014 8:57 AM BY: Kyle Ingalls

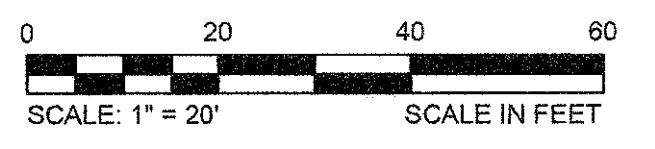


NOTES:

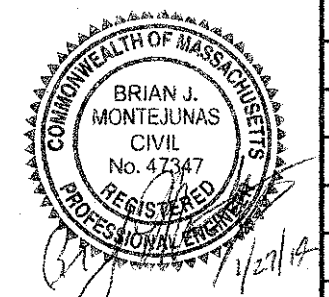
1. WORK IN FERN STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).
14. ART FEATURES TO BE INCORPORATED INTO FERN ST. DESIGN DURING CONSTRUCTION. FERN ST. ART ALLOWANCE PROVIDED IN CONTRACT.
15. FOR WORK AT THE PROPERTY LINE, A RIGHT-OF-ENTRY TO BE OBTAINED BY ABUTTING PROPERTY OWNER(S).



A TYPICAL SECTION
SCALE: 1"=5'



CONFORMED SET



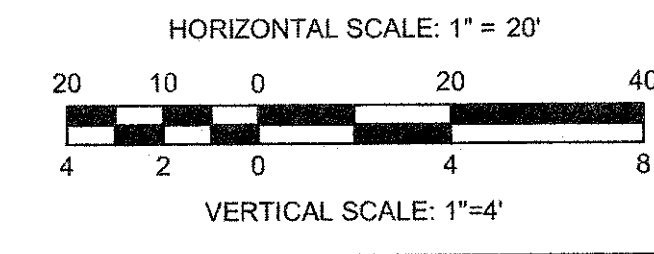
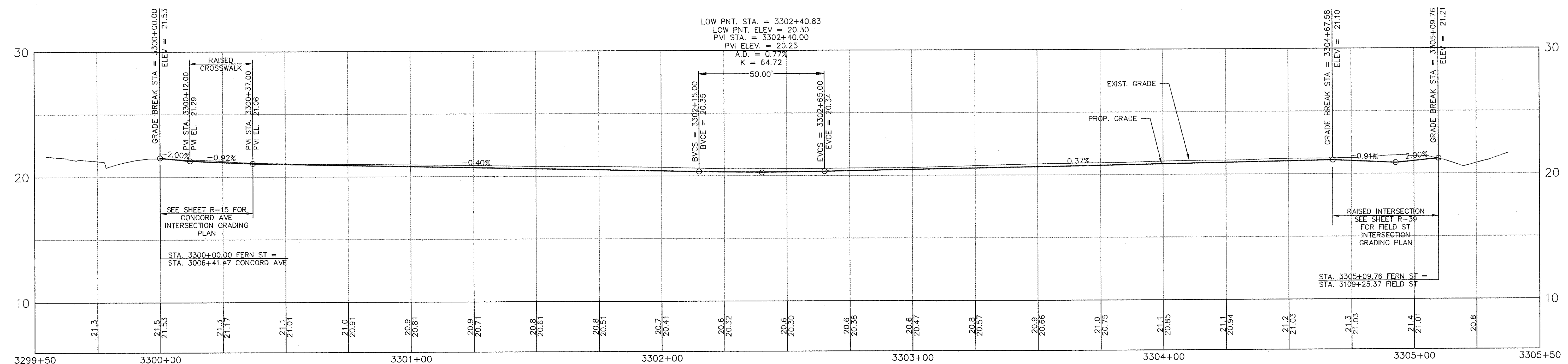
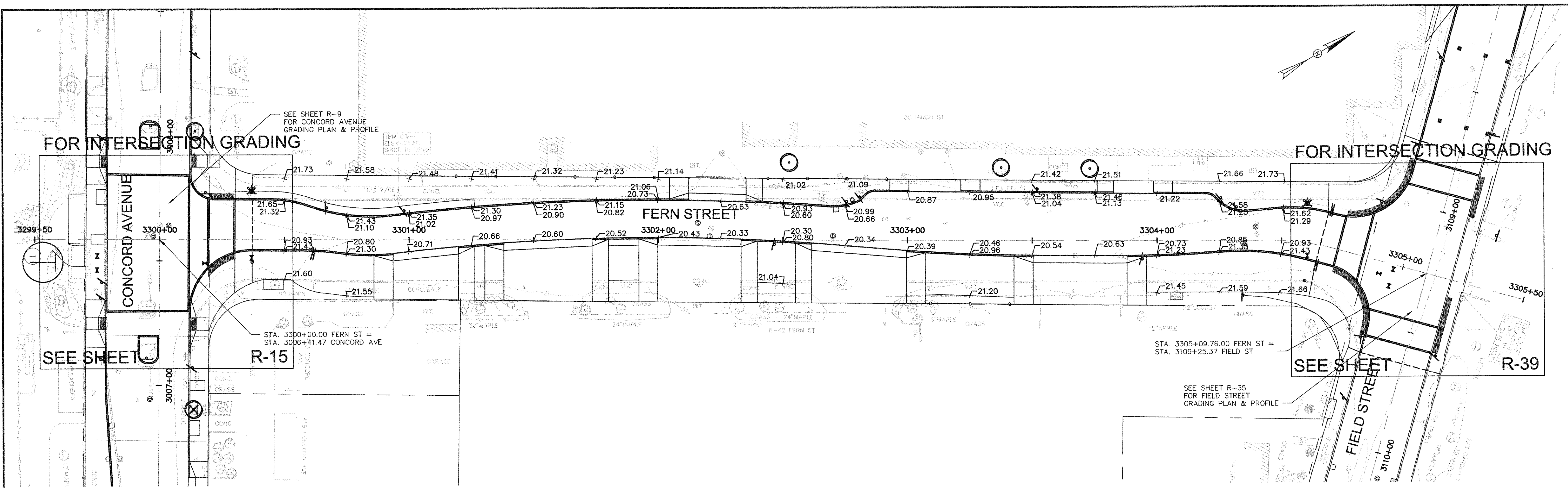
Scale	AS NOTED		
Date	JANUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



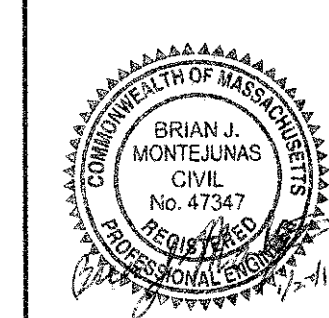
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN FERN STREET STA 3300+00 TO 3305+10

Sheet	R-52
File No.	6228

CAD FILE: C:\Users\Cambridge\OneDrive\Documents\Drawings\Grading\Plan\Grading_Bach-Fern-Concord.dwg LAYOUT: Grading - Fern St. PLOTTED: 2/12/2014 7:48 AM BY: Kyle Langlois



CONFORMED SET

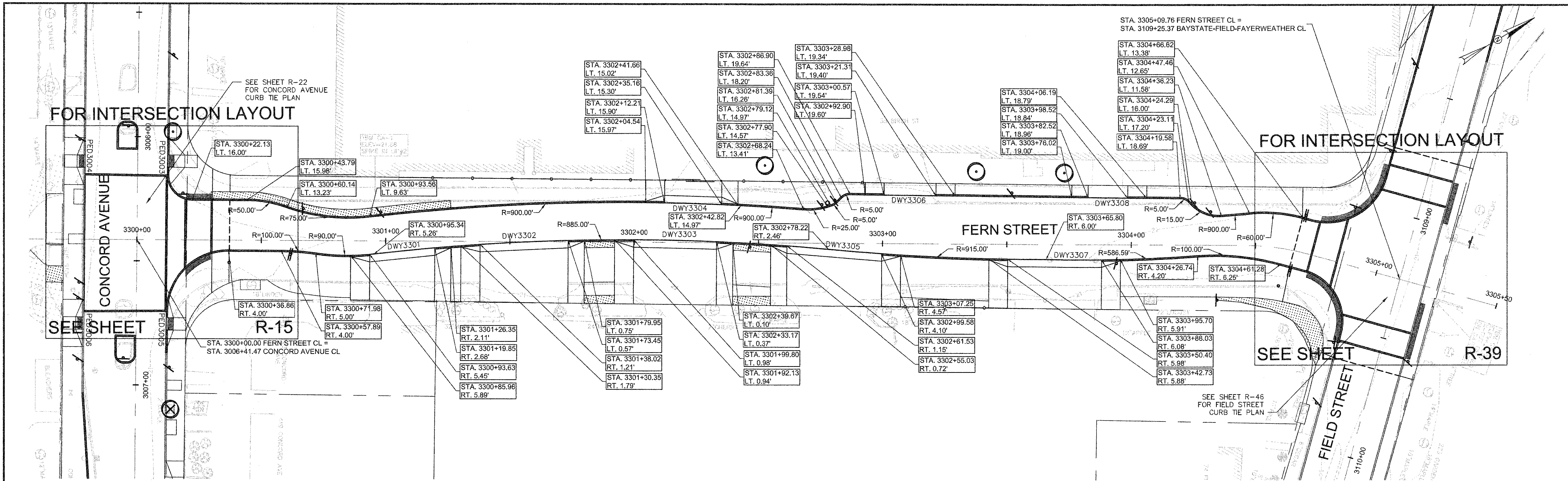


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJ/JDRM/BMS/DRB		
Checked by	CMCT/JR	No.	Description
Approved by	BJM		REVISIONS



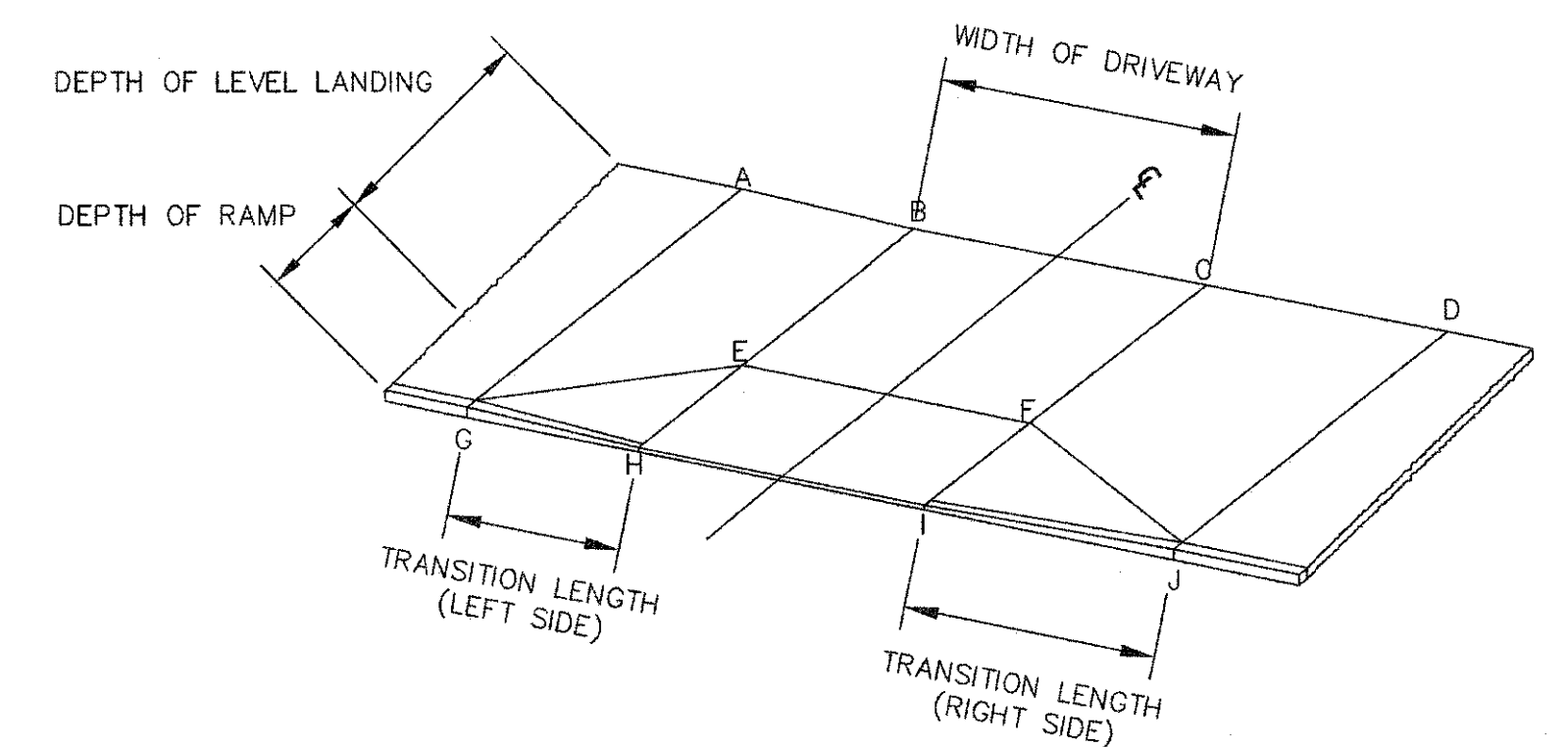
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE FERN STREET STA 3300+00 TO 3305+10

Sheet	R-53
File No.	6228



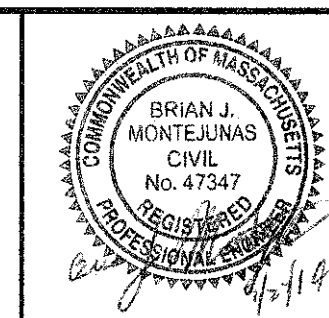
FERN STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3301	3.00	3.00	18.30	15.30	26.22	6.50	7.670000	21.33	21.30	21.36	21.39	21.00	21.12	21.06	20.69	20.68	20.74	21.26	20.76
3302	3.00	3.00	22.00	19.90	35.44	6.50	7.67	21.33	21.16	21.25	21.33	20.79	20.99	20.84	20.51	20.53	20.63	20.98	20.65
3303	3.00	3.00	22.20	22.60	33.38	6.50	7.67	21.02	20.86	20.96	21.22	20.58	20.58	20.81	20.31	20.32	20.43	20.79	20.46
3304	3.00	3.00	6.00	6.00	22.96	7.67	6.50	21.12	21.05	21.03	21.02	20.99	20.92	21.04	20.71	20.68	20.62	20.94	20.61
3305	3.00	3.00	18.20	20.90	38.16	7.67	6.50	21.10	20.70	20.60	20.93	20.60	20.46	20.91	20.41	20.39	20.33	20.82	20.32
3306	-	-	5.00	5.00	20.74	6.50	7.67	21.18	21.01	21.11	21.34	-	-	21.11	20.78	20.87	20.94	21.30	20.97
3307	-	-	5.00	5.00	15.99	6.50	7.67	21.51	21.27	21.23	21.61	-	-	21.47	21.14	21.16	21.21	21.56	21.23
3308	3.00	3.00	19.90	16.70	37.63	7.67	6.50	21.44	21.34	21.19	21.25	21.14	20.99	21.21	20.71	20.68	20.54	21.02	20.52



CONFORMED SET

CAD FILE: G:\clients\cambridge\MA2012266 (1-A) - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurTie_Plan-FernSt-CurbTie.dwg
 LAYOUT: Curb Tie - FernSt - PLOTTED: 2/11/2014 9:30 AM BY: kyle langlois
 CONCORD AVENUE (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

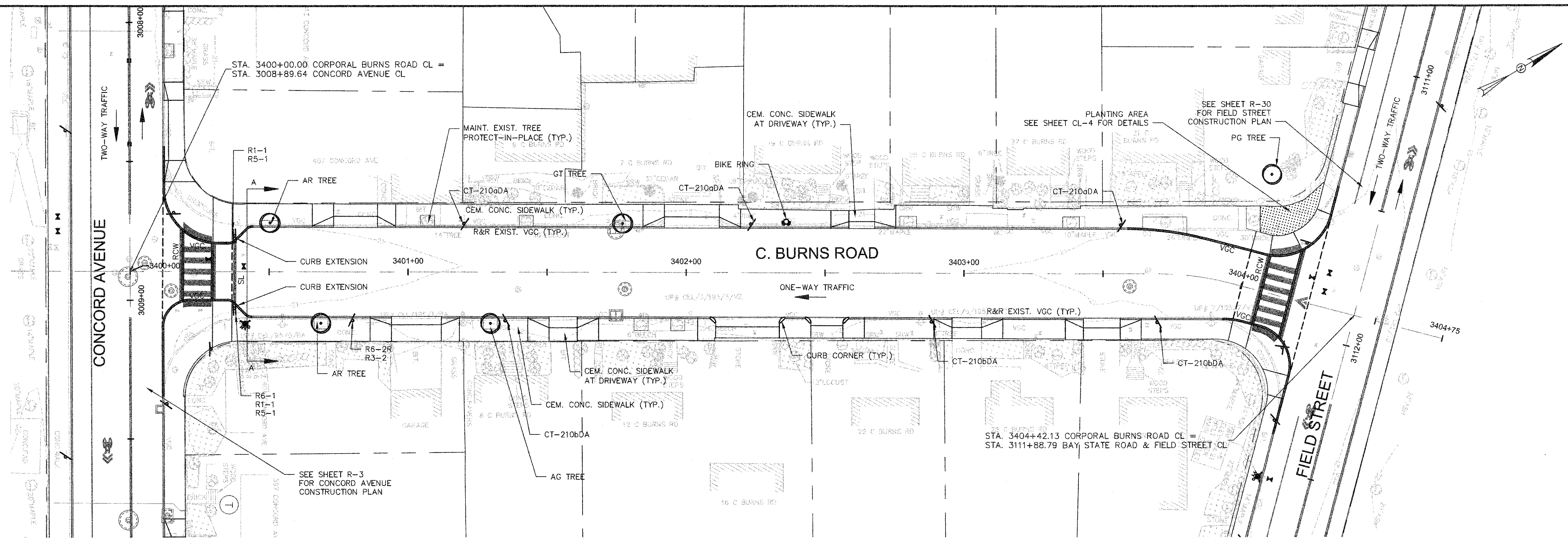


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



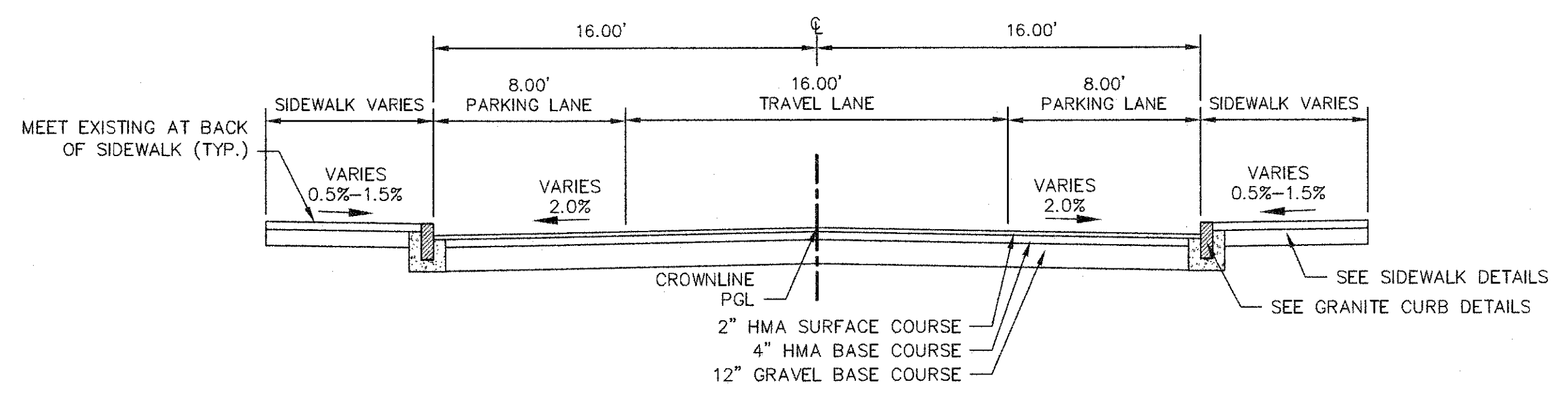
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-54
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN FERN STREET STA 3300+00 TO 3305+10		

CAD FILE: G:\clients\cambridge\MA\2012266\01-4 - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Construction Plan\Construction_Brief-Firm-CBurns.dwg
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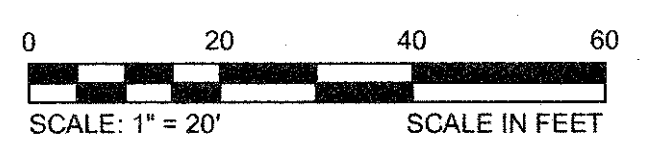


NOTES:

1. WORK IN CORPORAL BURNS ROAD SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



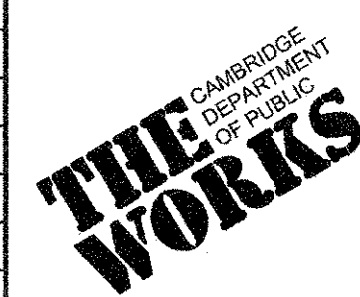
A TYPICAL SECTION
R-55 SCALE: 1"=5'



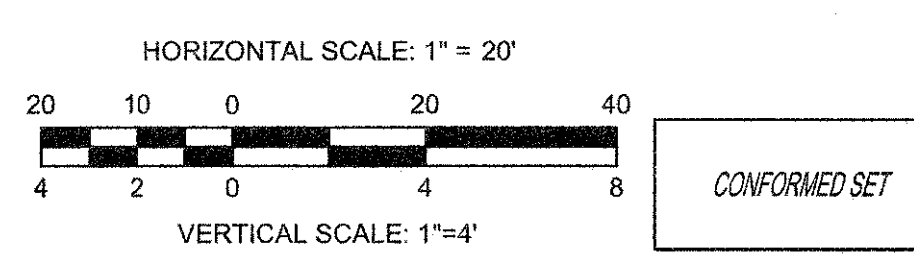
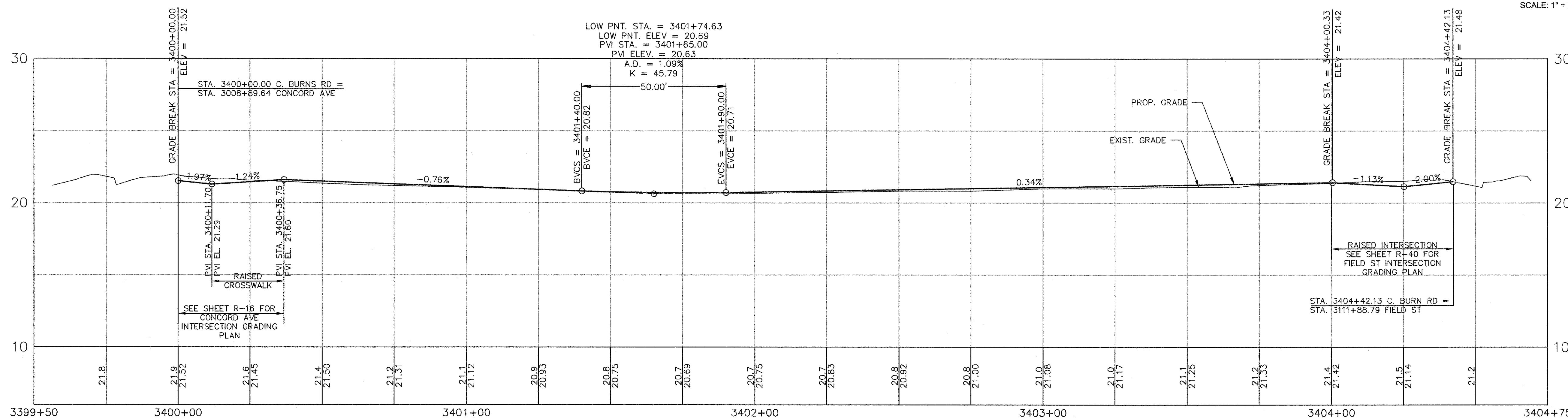
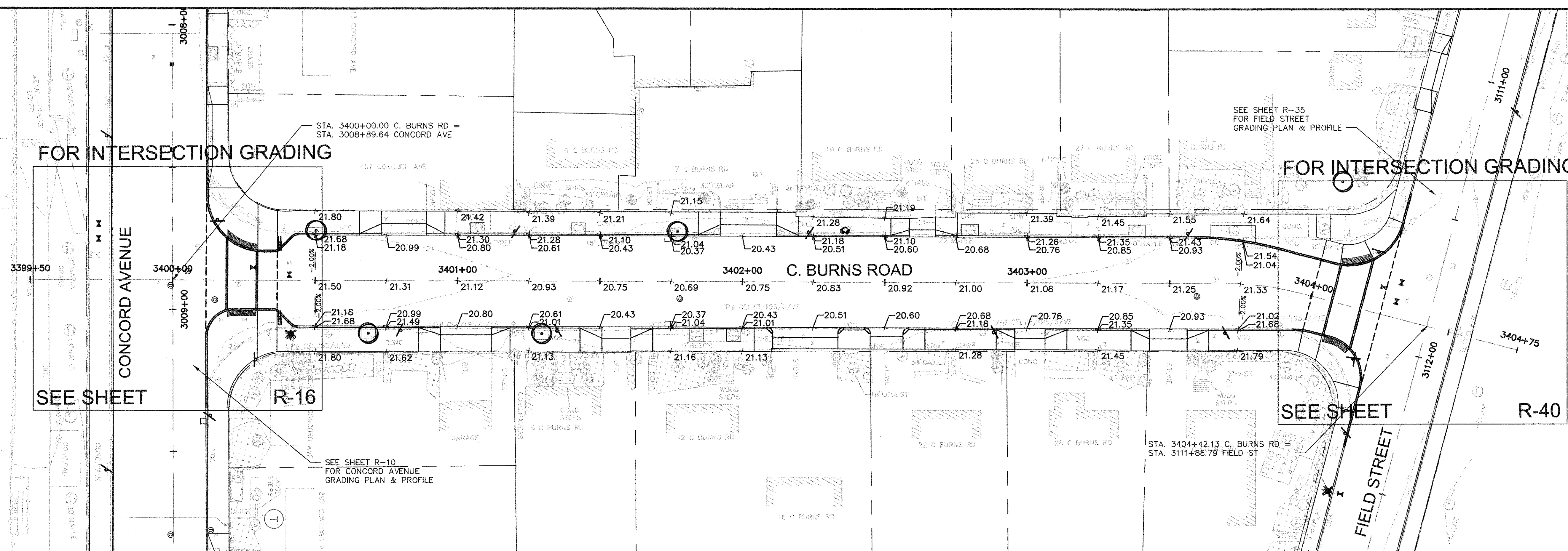
CONFORMED SET



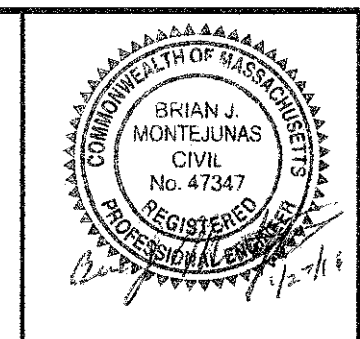
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Date	FEBRUARY 2014		
Job No.	20120258.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-55
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN CORPORAL BURNS ROAD STA 3400+00 TO 3404+42		



CAD FILE: G:\clients\Cambridge\MA021226\01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_Plan-Fem-CBurns.dwg LAYOUT: Grading - CBurnsRd PLOTTED: 2/12/2014 7:46 AM BY: Kyle Ingalls
 CONTRACT: 20120256.001A - Concord Ave (Contract 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT



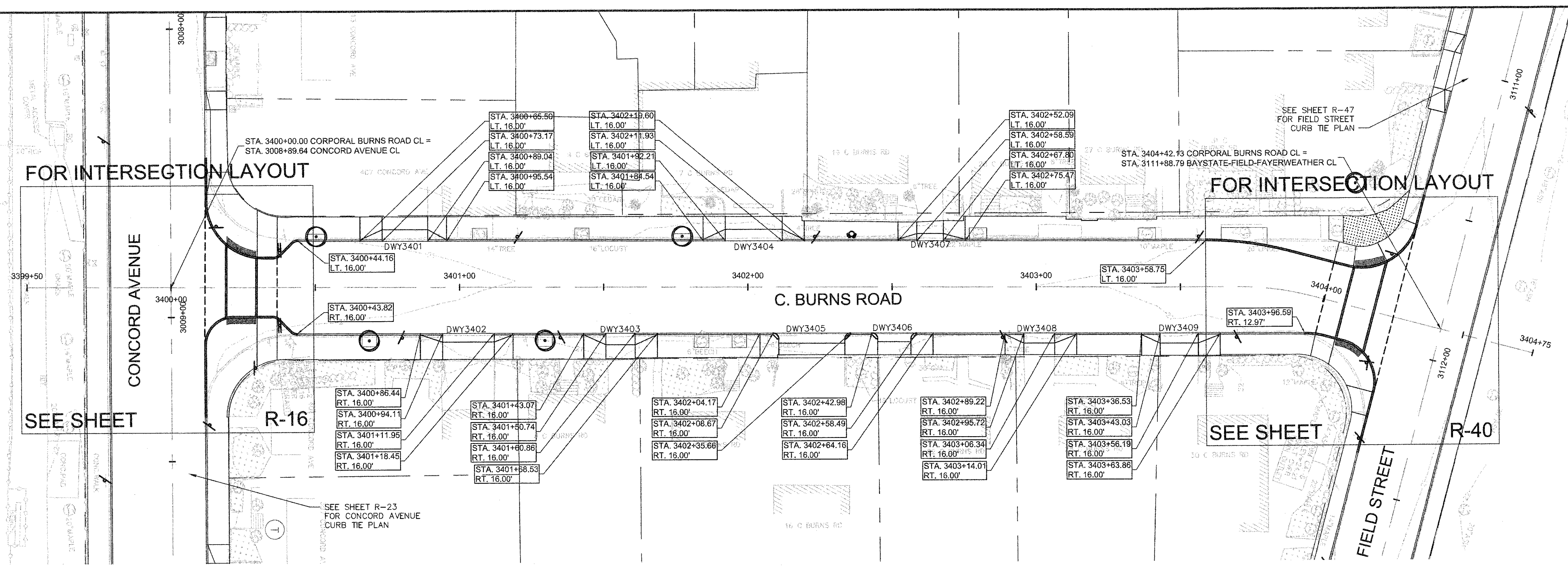
Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CORPORAL BURNS ROAD STA 3400+00 TO 3404+42

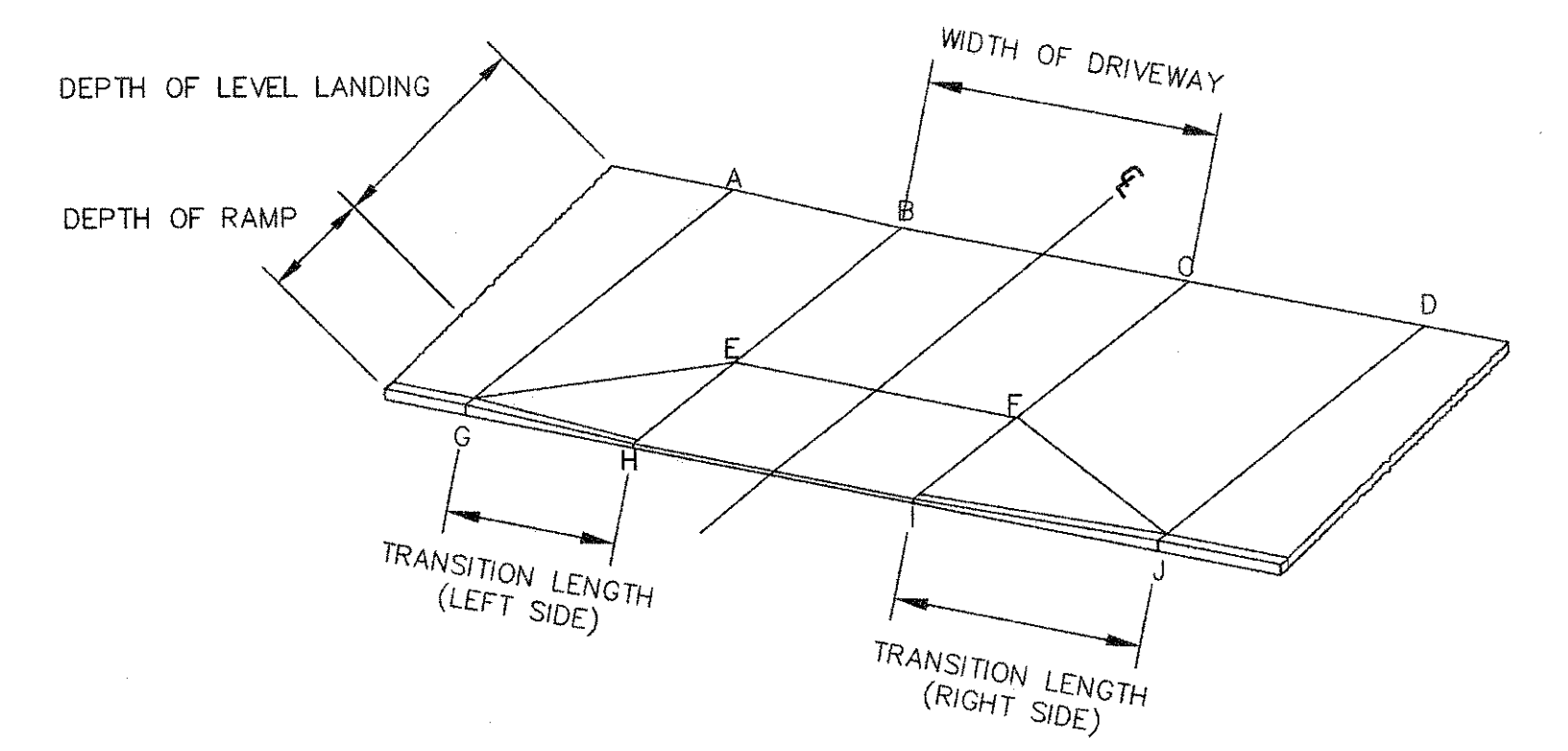
Sheet	R-56
File No.	6228

CONFORMED SET

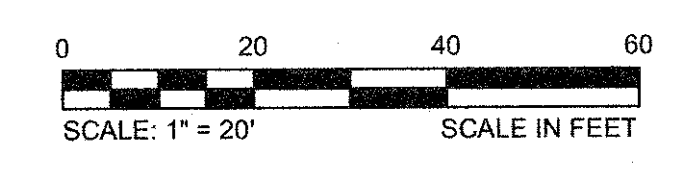


CORPORAL BURNS ROAD DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		TRANSITION LENGTH (FT)	ELEVATION													
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	ELEVATION											
								A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3401	4.00	4.00	4.50	4.50	15.87	7.67	6.50	21.68	21.54	21.60	21.45	21.46	21.52	21.56	21.06	21.01	20.89	21.33	20.83
3402	3.00	3.00	6.00	6.00	17.84	6.50	7.67	21.24	21.01	21.17	21.49	20.92	21.08	21.16	20.66	20.71	20.84	21.41	20.91
3403	4.00	4.00	5.00	5.00	10.12	7.67	7.67	21.23	21.16	21.06	21.10	21.07	20.96	21.06	20.39	20.40	20.43	20.98	20.48
3404	4.00	4.00	4.50	4.50	19.73	7.67	7.67	21.10	21.13	21.21	21.25	21.05	21.13	21.06	20.39	20.41	20.47	21.16	20.49
3405	3.50	3.50	4.00	4.00	22.99	-	6.50	-	20.99	21.09	21.16	20.93	21.03	20.93	20.56	20.54	20.47	21.02	20.44
3406	3.00	3.00	4.50	4.50	11.51	7.67	-	21.24	21.14	20.92	-	21.06	20.90	21.14	20.64	20.62	20.58	20.90	20.56
3407	2.50	2.50	4.00	4.50	9.21	6.50	7.67	21.20	21.13	21.10	21.28	21.06	21.04	21.10	20.60	20.62	20.66	21.18	20.68
3408	3.50	3.50	4.00	4.00	10.62	7.67	6.50	21.42	21.37	21.41	21.34	21.32	21.34	21.35	20.85	20.78	20.75	21.23	20.73

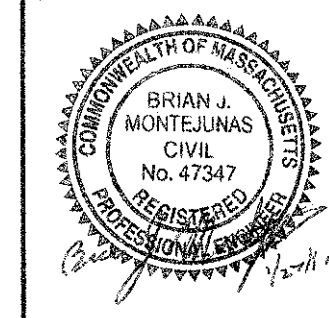


TYPICAL RAMP LEGEND
SCALE: N.T.S.

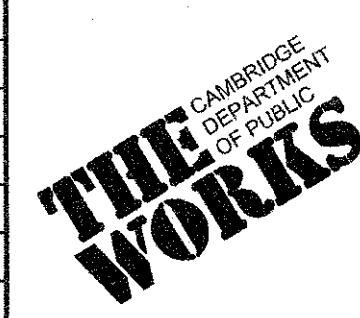


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA301256\01-A - Concord Ave (Contract 9) Drawings\Civil\Production Drawings\Curb Tie Plans\CurbTie_Bercham-Corps.Ramp.Dwg
 LAYOUT: Curble - C:\Users\jrb\Documents\2/11/2014 9:26 AM BY: jrb\jrb
 PLOTTED: 2/11/2014 9:26 AM BY: jrb\jrb

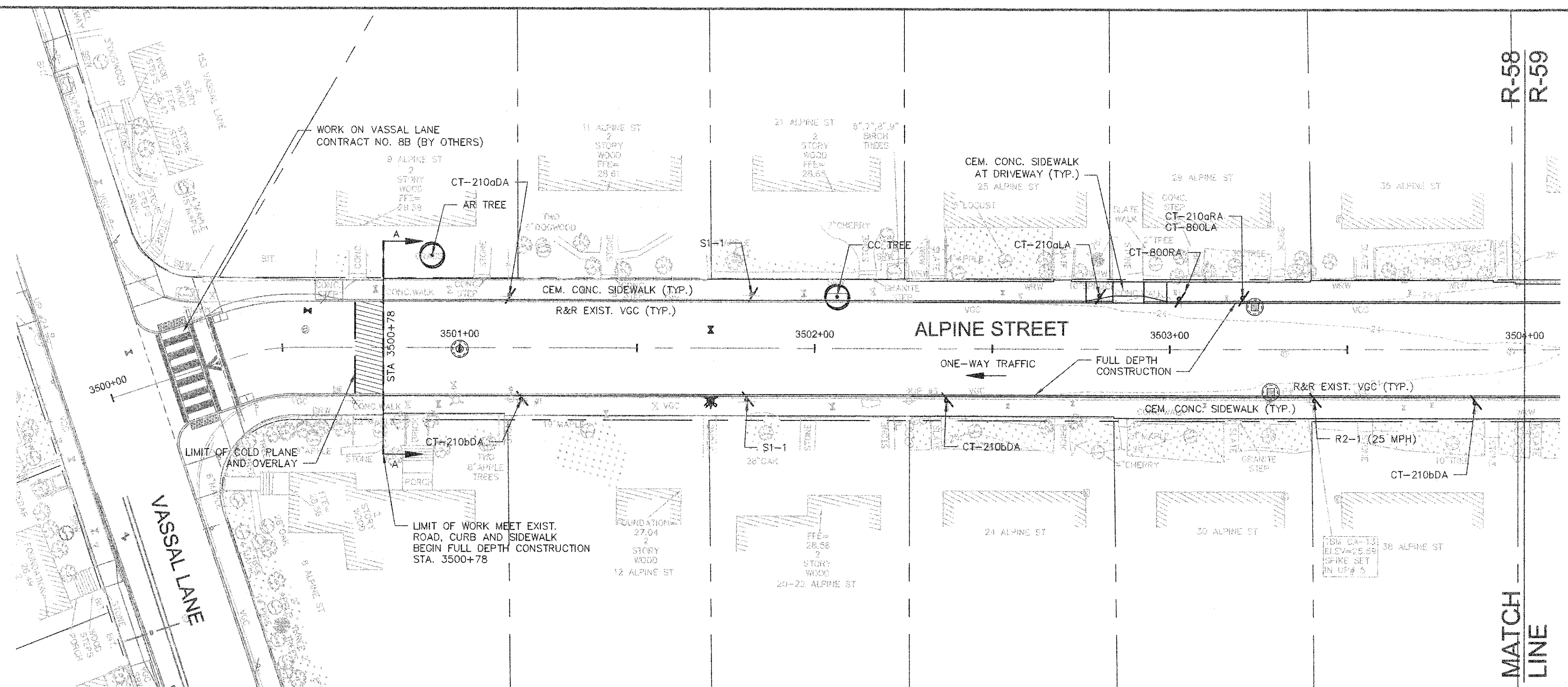


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



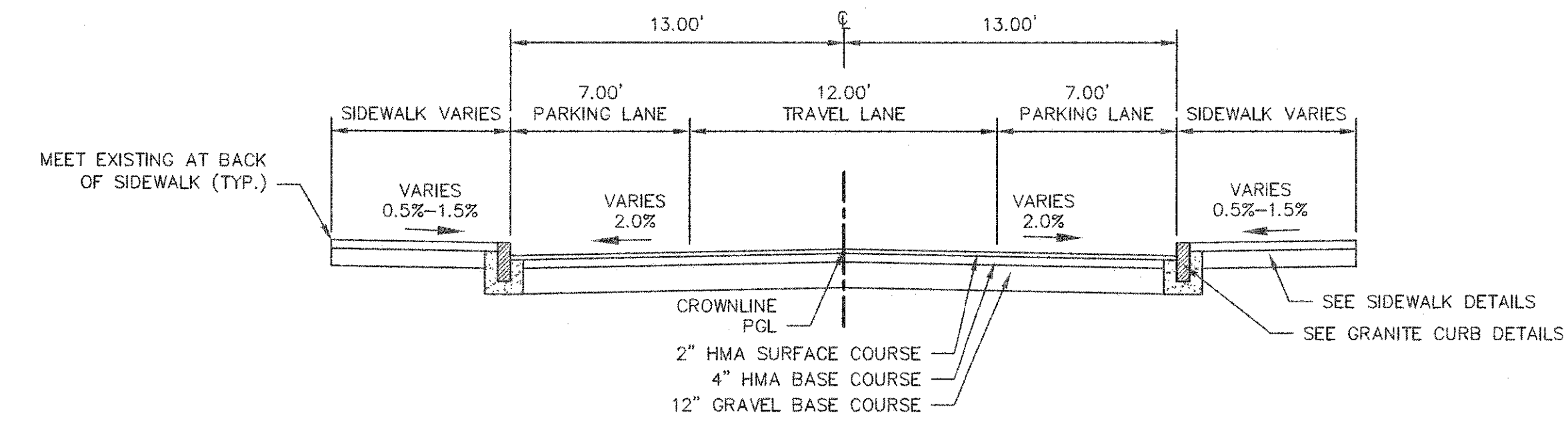
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CORPORAL BURNS ROAD STA 3400+00 TO 3404+42

Sheet	R-57
File No.	6228

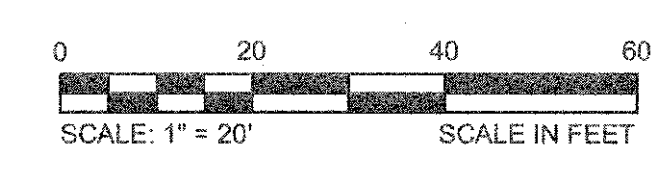


NOTES:

1. WORK IN ALPINE STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).

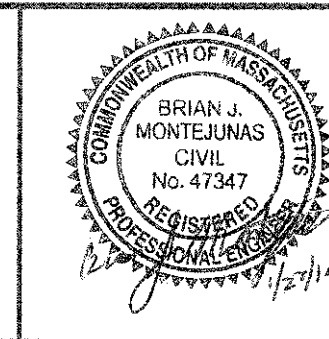
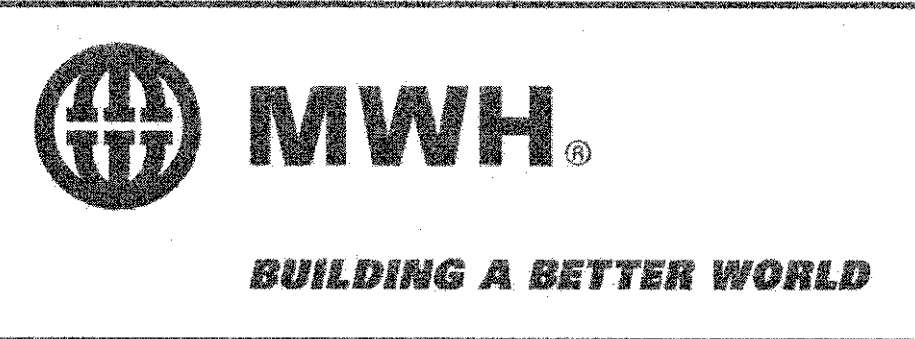


(A) TYPICAL SECTION
R-58 SCALE: 1"=5'

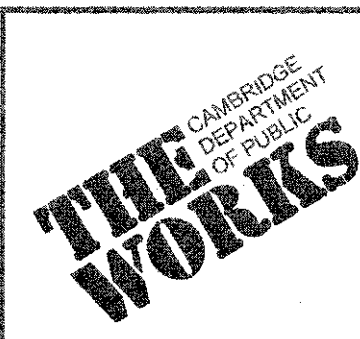


CONFORMED SET

C:\p\clients\cambridge\MA2012256-01-A - Concord Ave (Contract 9) Drawings\Production Drawings\Construction Plans\Construction - Alpine St.dwg LAYOUT: Construction - Alpine St.1 PLOTTED: 2/11/2014 12:39 PM BY: kyle.mingos



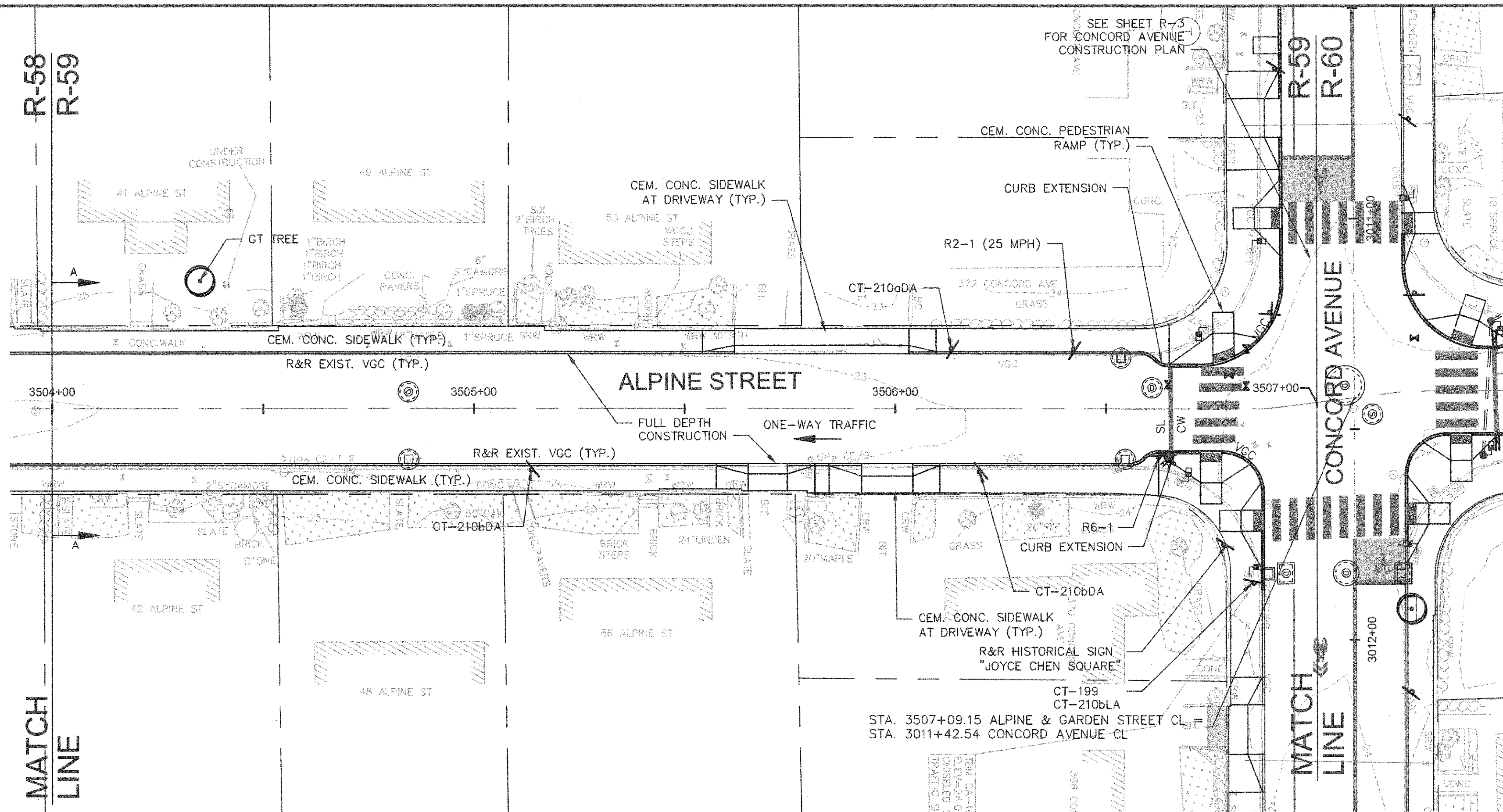
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
			REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN ALPINE STREET STA 3500+78 TO 3504+00

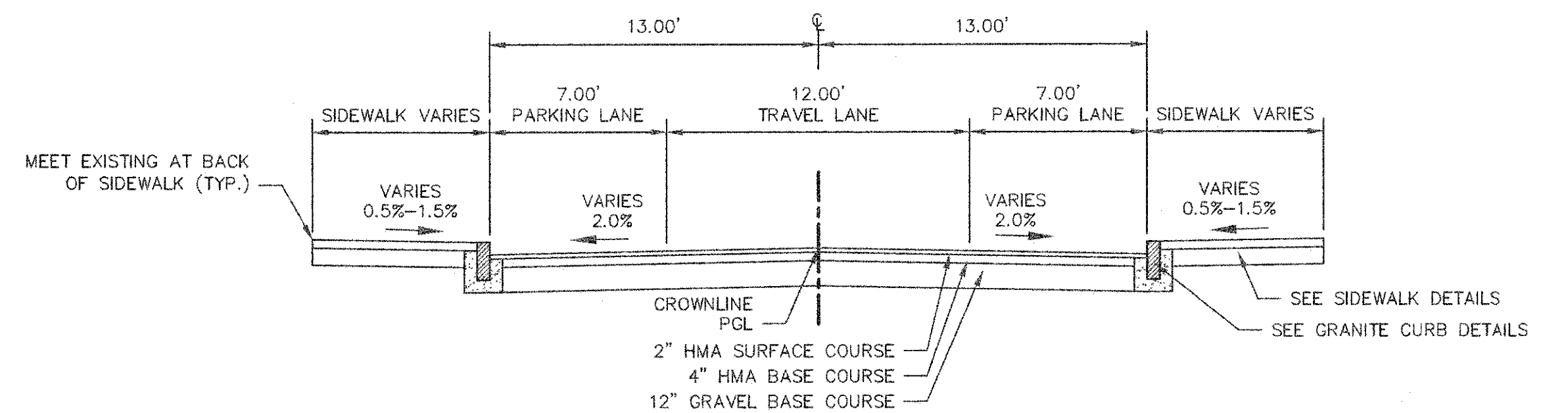
Sheet	R-58
File No.	6228

CADD FILE: G:\clients\cambridge\MA201228\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Construction\Plan\Construction_AlpineSt.dwg
 LAYOUT: Construction - AlpineSt 2 PLOTTED: 2/11/2014 12:40 PM BY: kyle langels



NOTES:

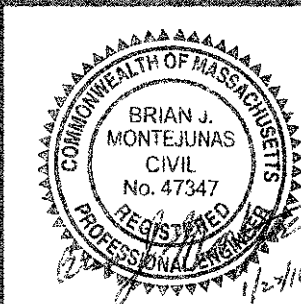
1. WORK IN ALPINE STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



(A) TYPICAL SECTION
R-59 SCALE: 1"=5'



CONFORMED SET

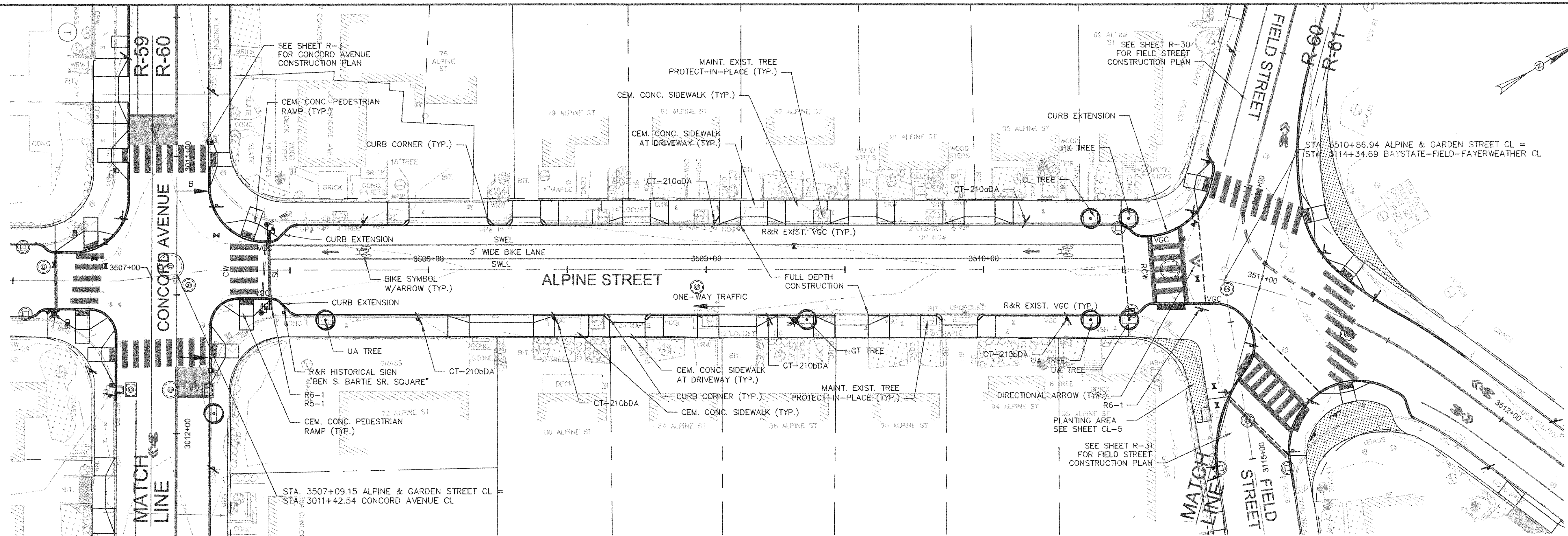


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



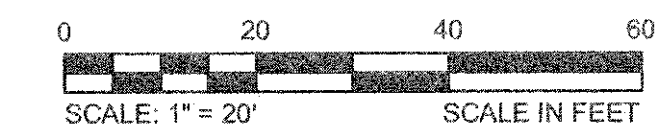
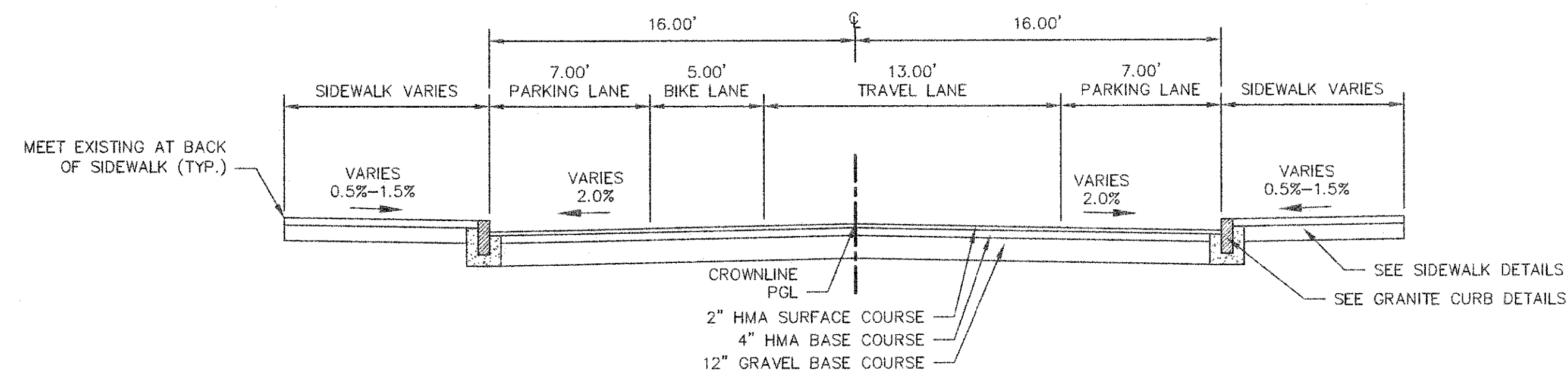
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN ALPINE STREET STA 3504+00 TO 3507+09

Sheet	R-59
File No.	6228



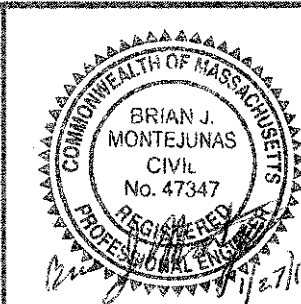
NOTES:

1. WORK IN ALPINE STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



CONFORMED SET

CAD FILE: G:\alameda\cambridge\MA2012228.01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Construction Plan\Construction - Alpines - Camberling.dwg
 LAYOUT: Construction - Alpines 3 - PLOTTED: 2/11/2014 12:40 PM BY: kyle langlois



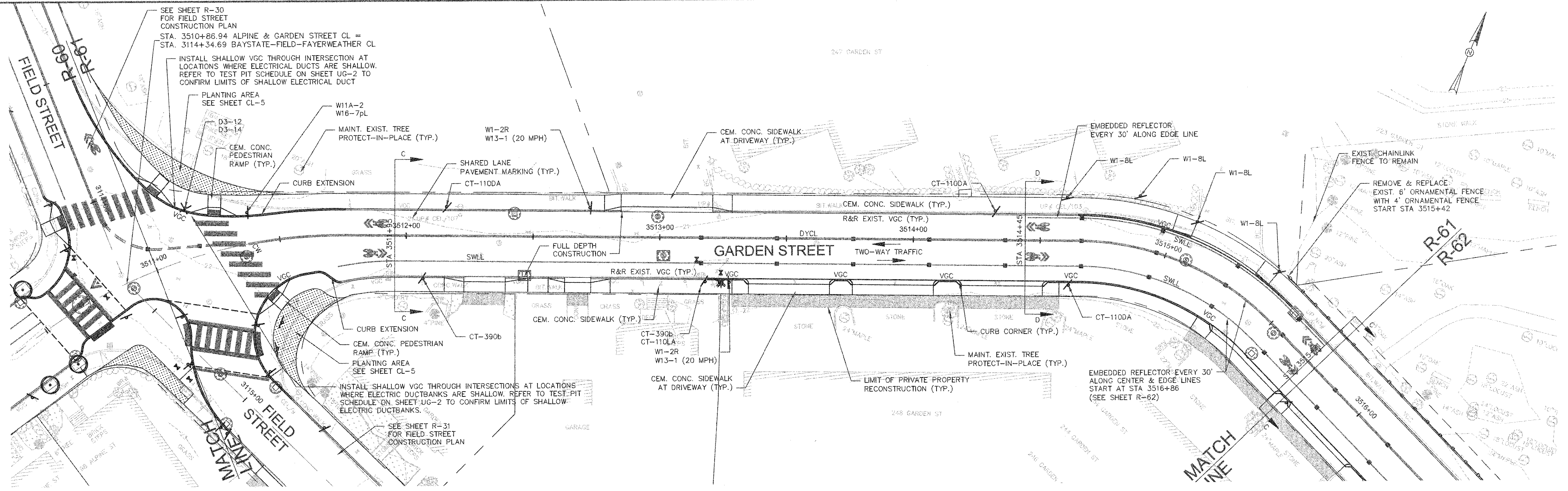
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
			REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN ALPINE STREET STA 3507+09 TO 3511+00

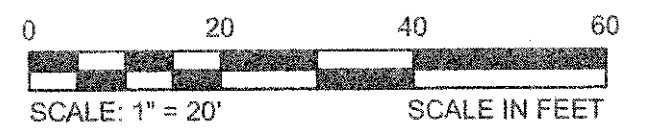
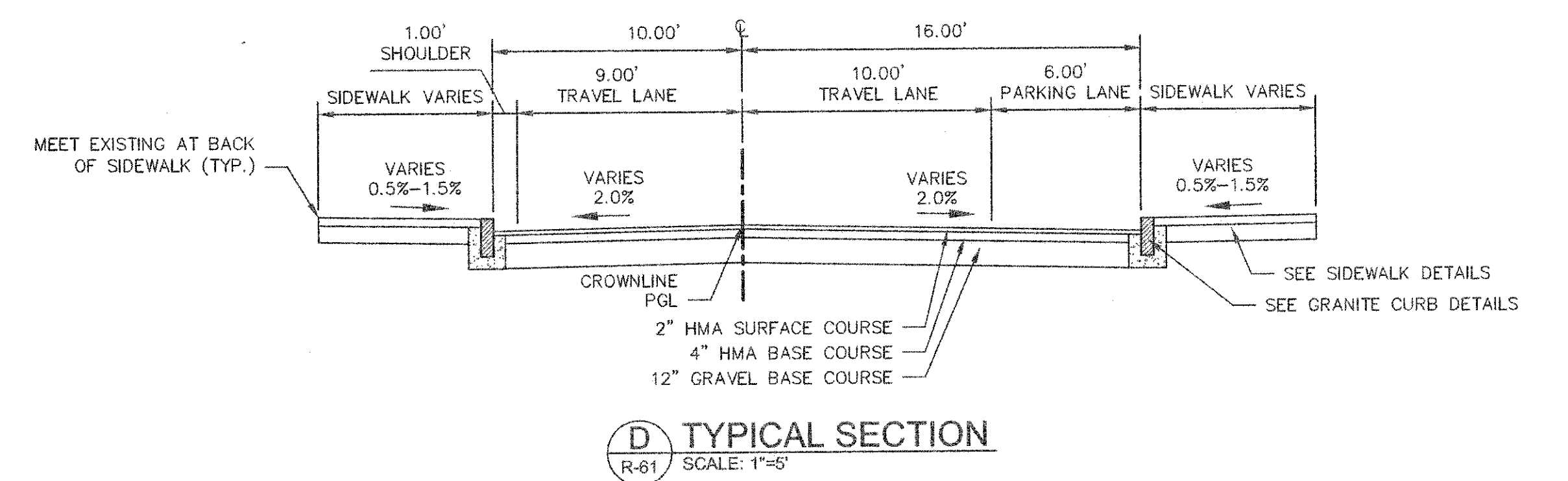
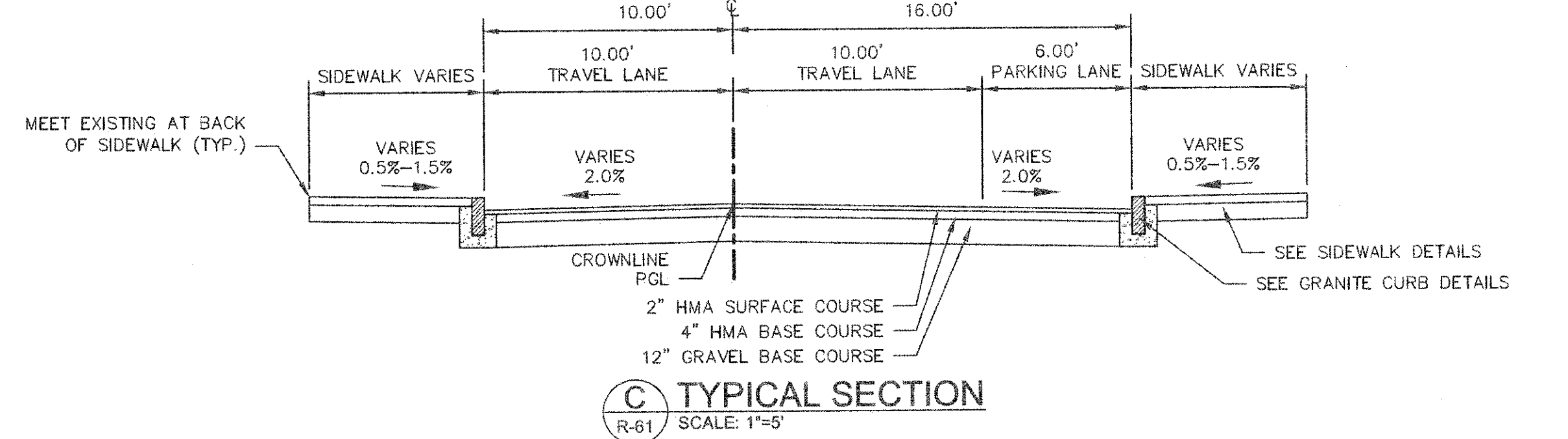
Sheet	R-60
File No.	6228

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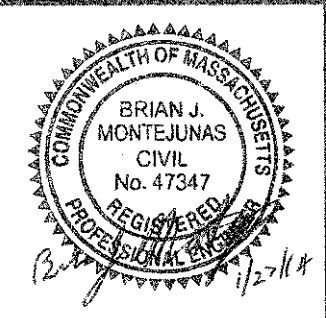


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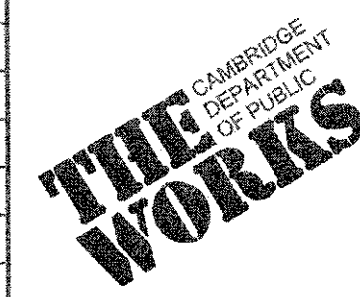
1. WORK IN GARDEN STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



CONFORMED SET

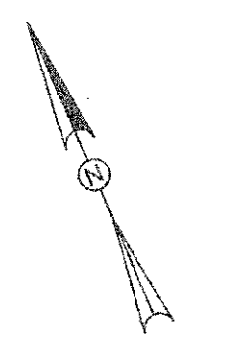
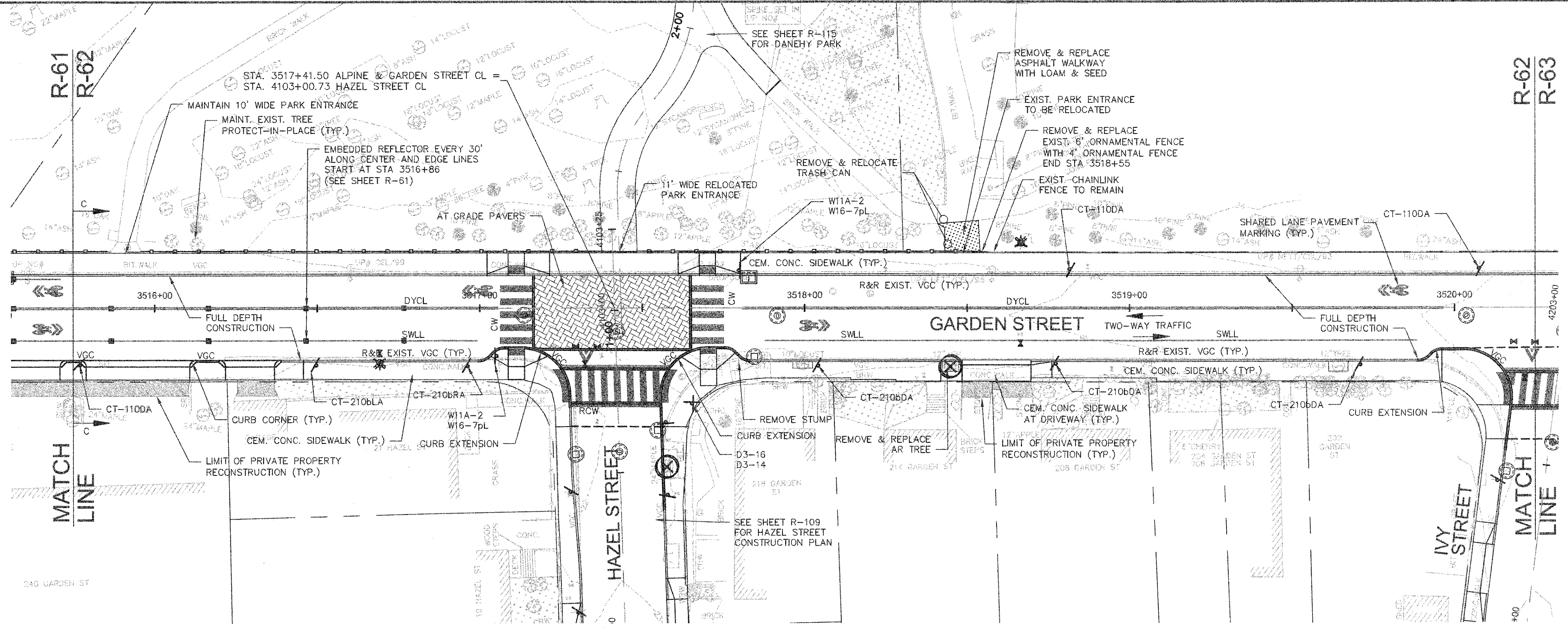


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120258.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



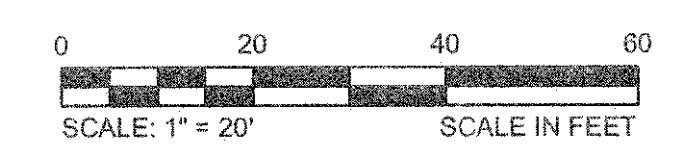
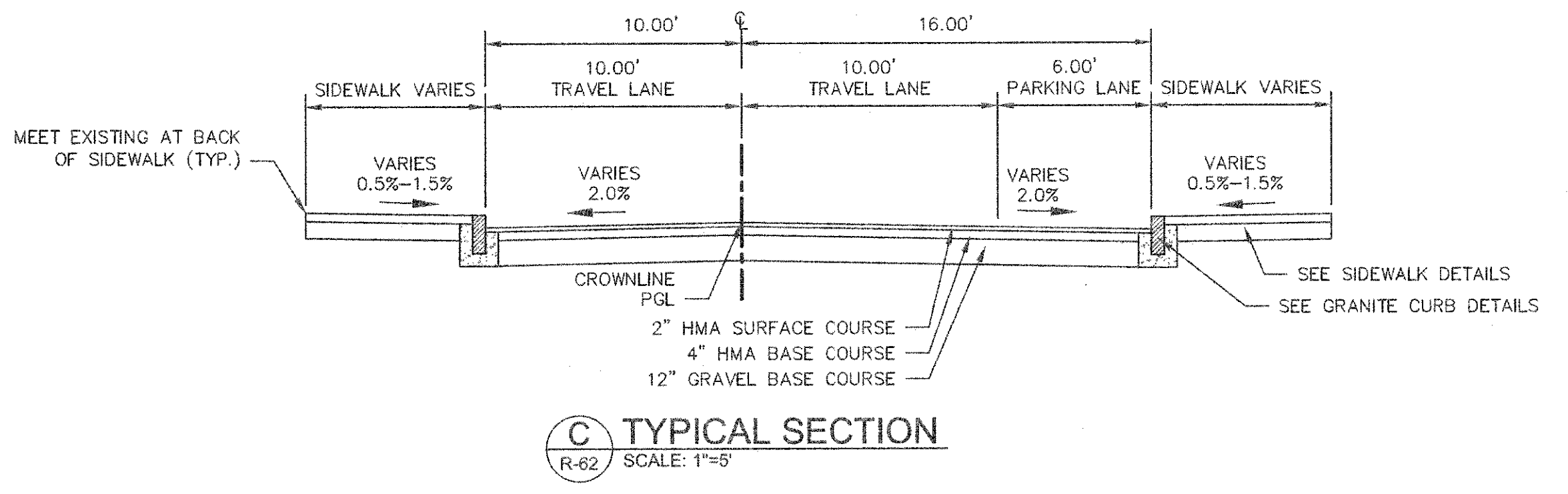
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN GARDEN STREET STA 3511+00 TO 3515+75

Sheet	R-61
File No.	6228



NOTES:

1. WORK IN GARDEN STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
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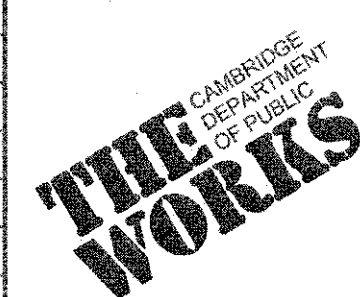


CONFORMED SET

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 LAYOUT: Construction - Garden St 2 PLOTTED: 2/11/2014 12:41 PM BY: iyle_ingles

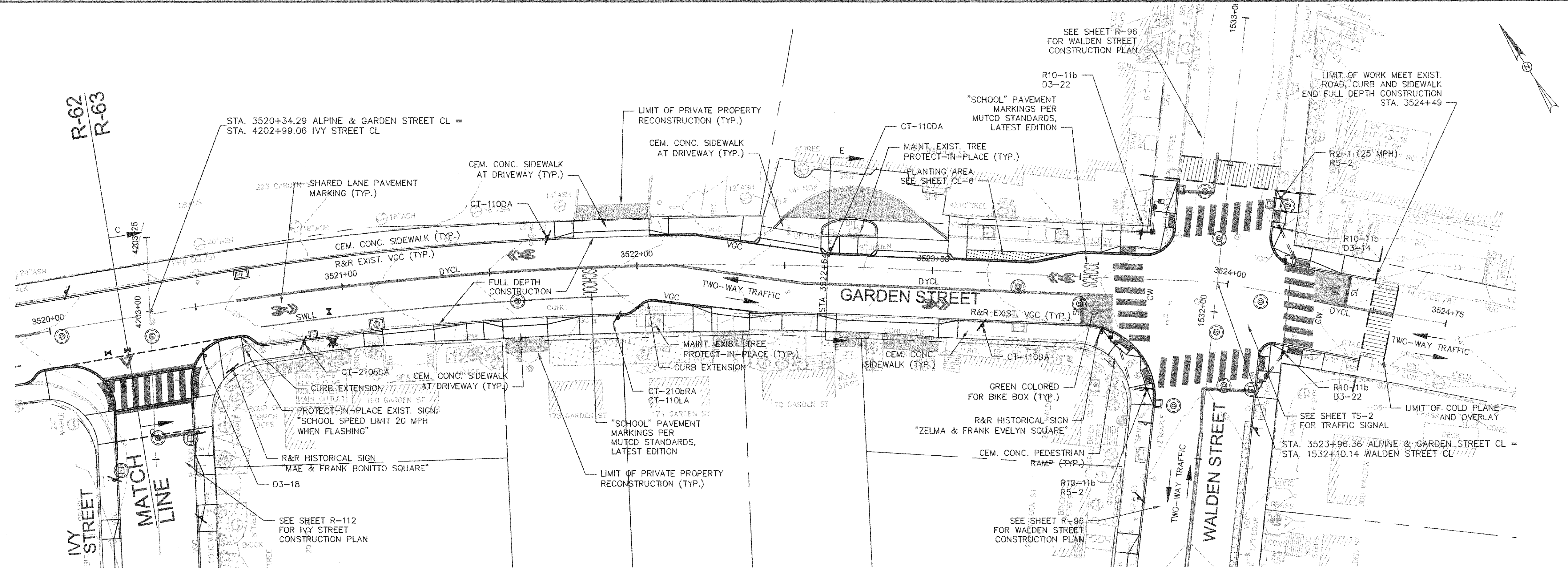


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



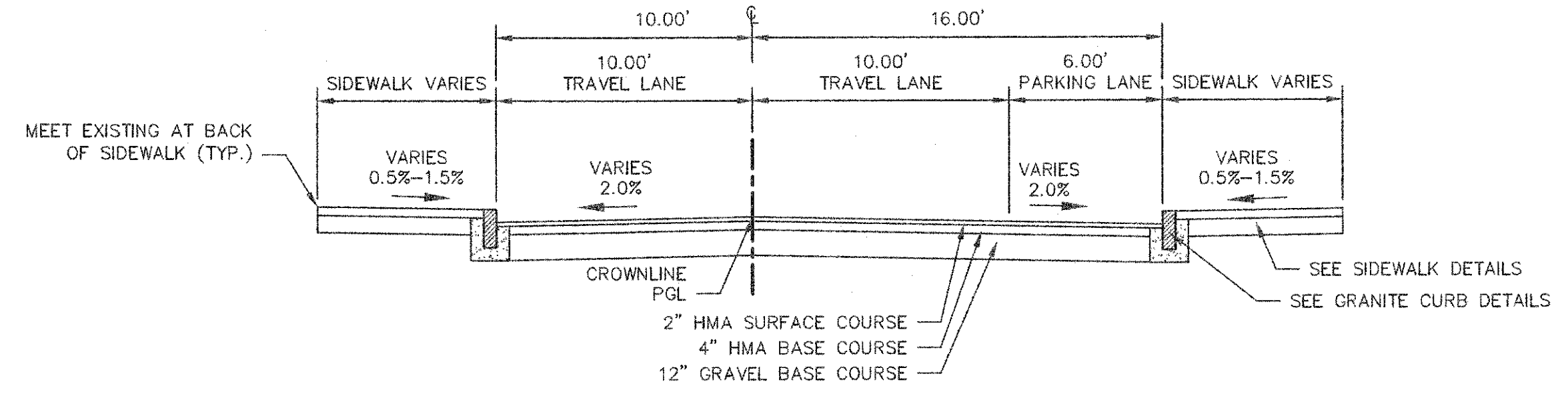
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN GARDEN STREET STA 3515+75 TO 3520+25

Sheet	R-62
File No.	6228

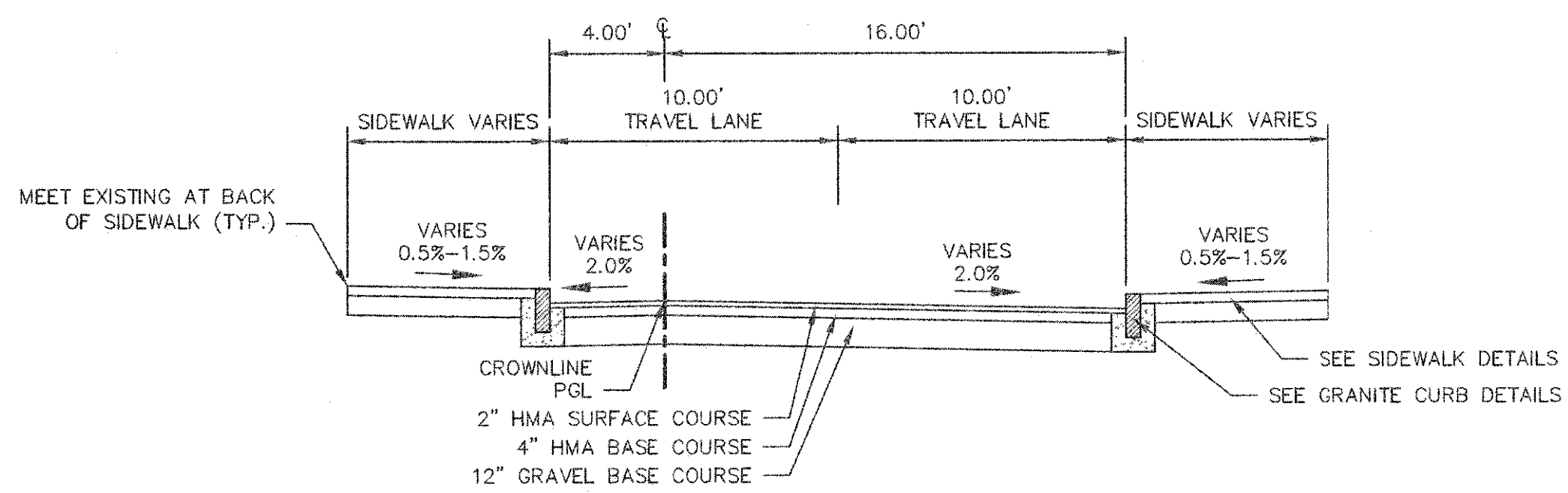


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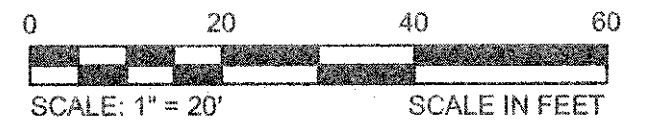
1. WORK IN GARDEN STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
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(C) TYPICAL SECTION
R-63 SCALE: 1"=5'



(E) TYPICAL SECTION
R-63 SCALE: 1"=5'

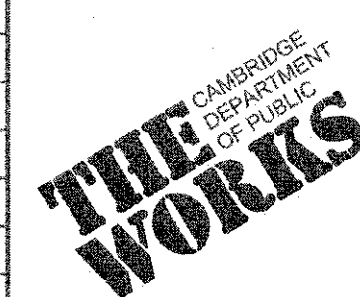


CONFORMED SET

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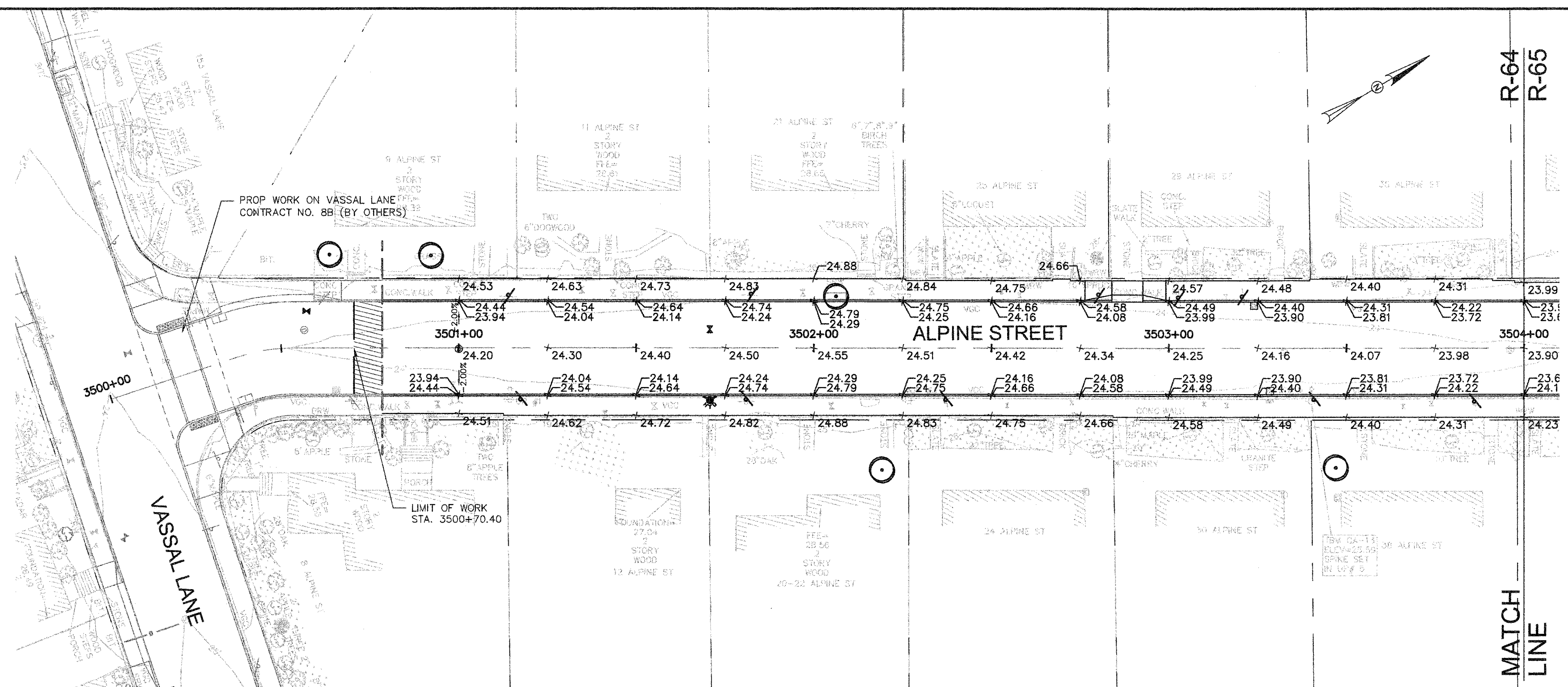


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
			REVISIONS

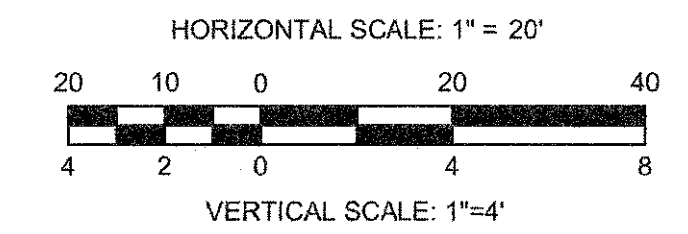
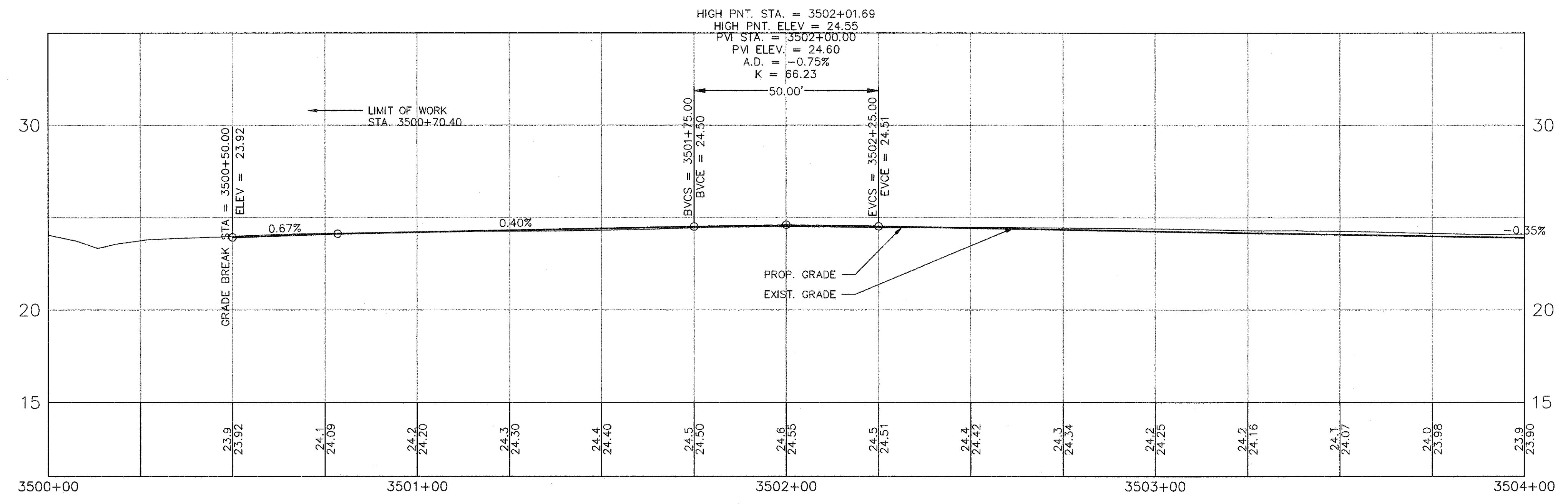
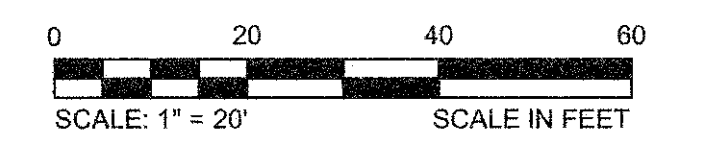


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-63
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN GARDEN STREET STA 3520+25 TO 3524+49		

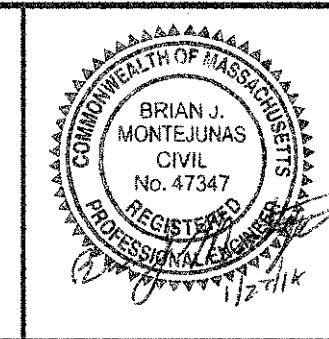
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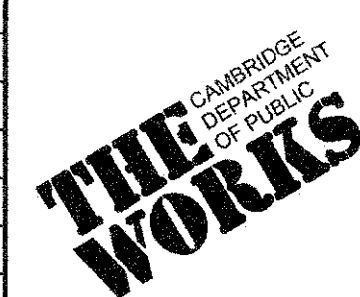
R-64
 R-65
 MATCH LINE



CONFORMED SET

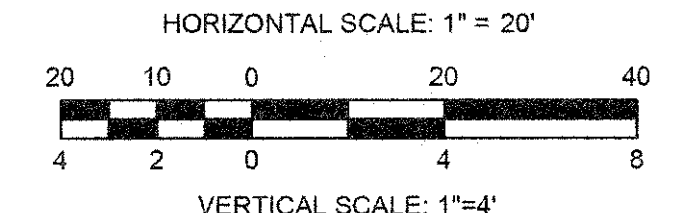
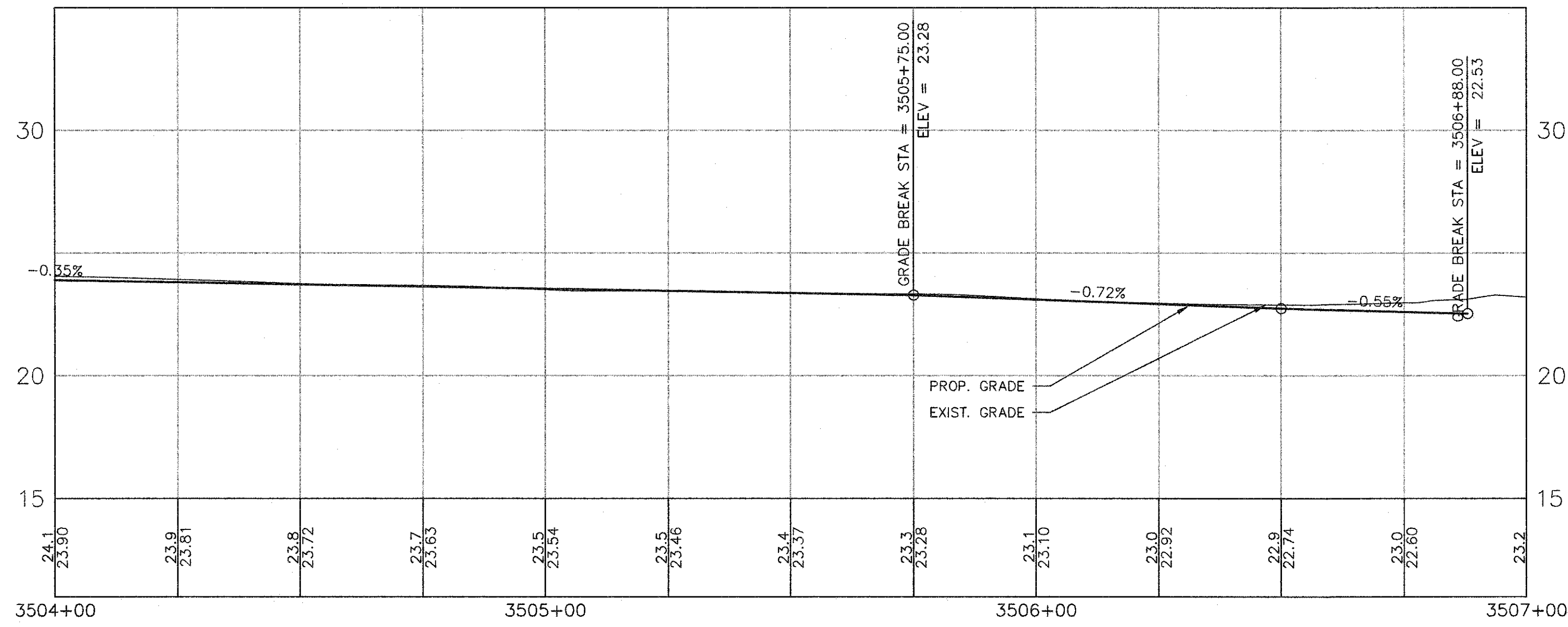
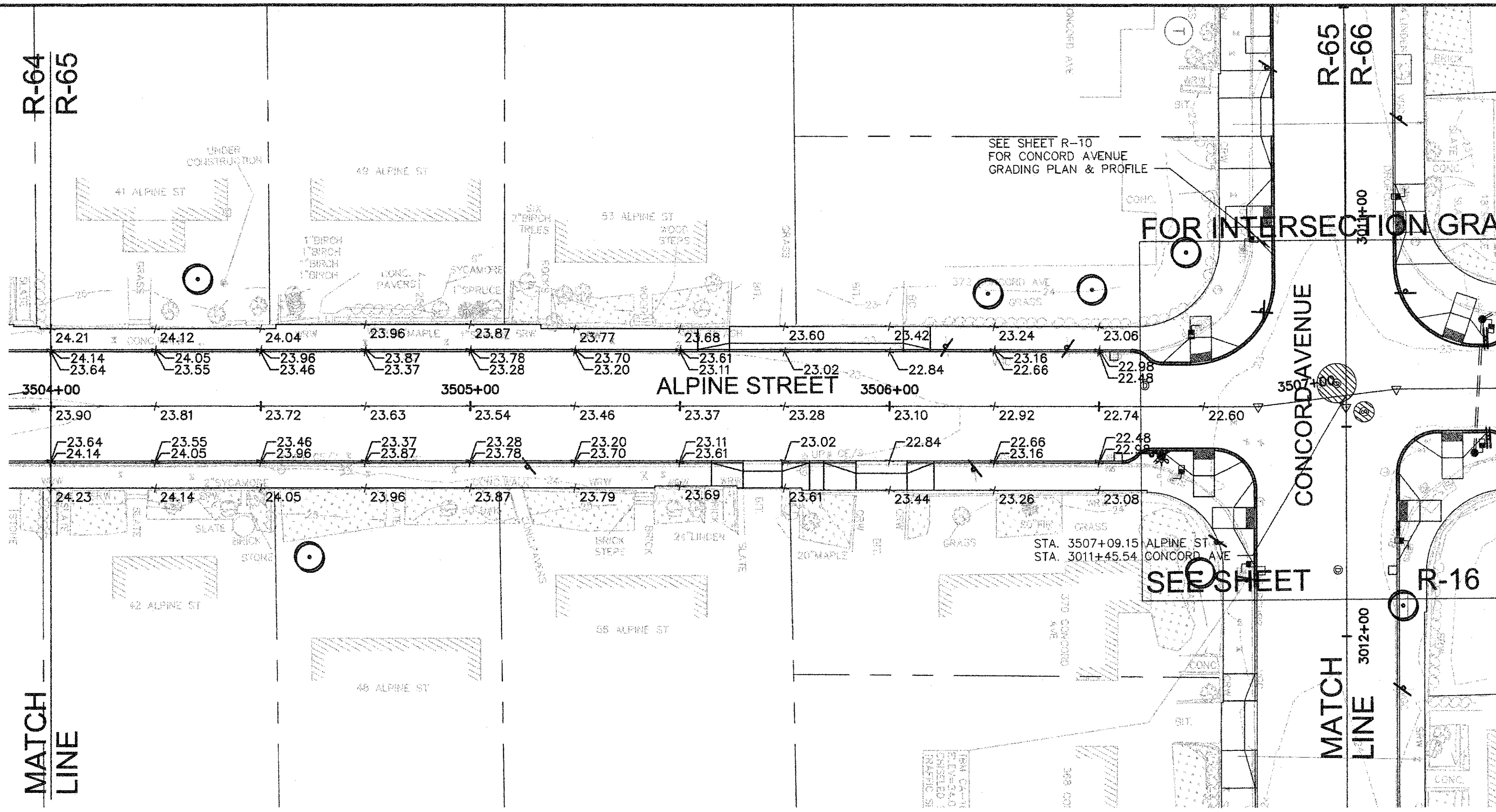


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



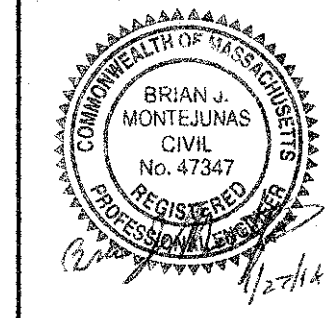
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE ALPINE STREET STA 3500+78 TO 3504+00

Sheet	R-64
File No.	6228



CONFORMED SET

CAD FILE: G:\c:\cambridge\m201228&01.e - Concord Ave (contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_AlpineS_GardenS.dwg LAYOUT: Grading - Alpine 2 - PLOTTED: 10/27/2013 5:29 PM BY: irevis.lucia

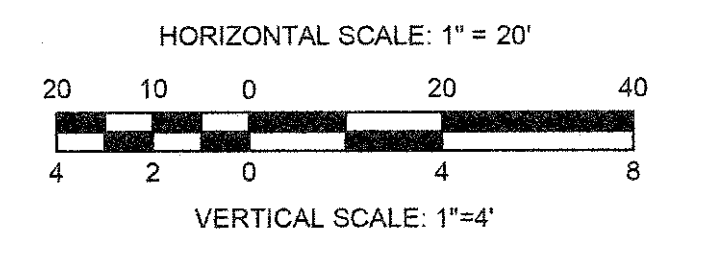
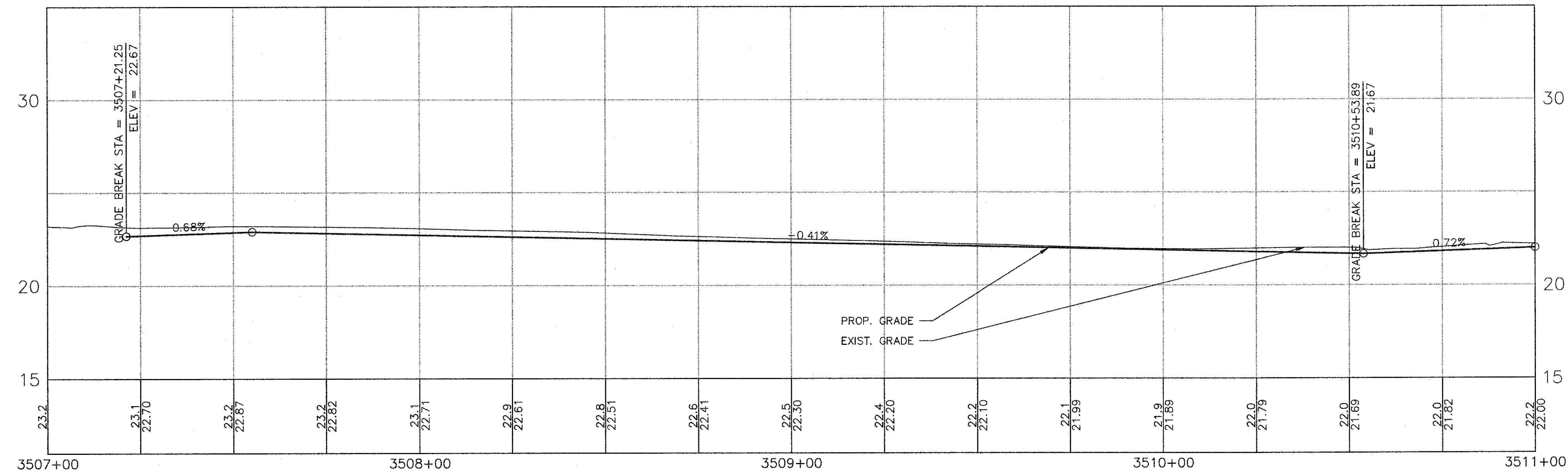
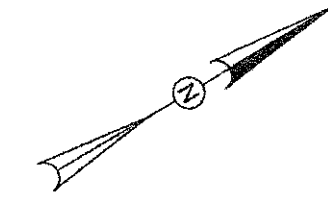
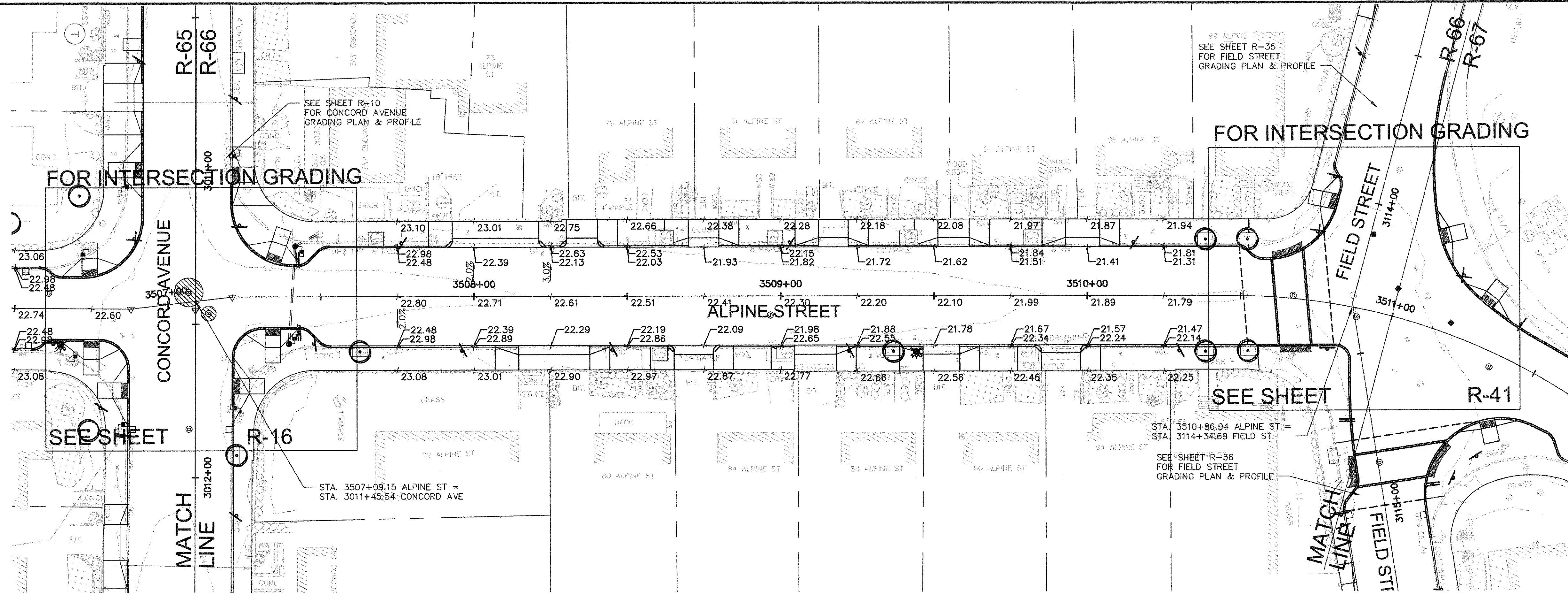


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



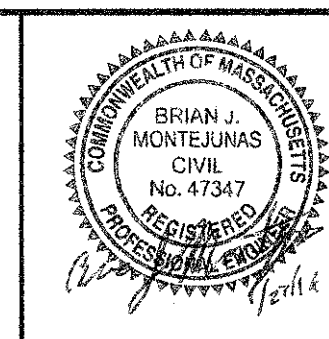
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE ALPINE STREET STA 3504+00 TO 3507+09

Sheet	R-65
File No.	

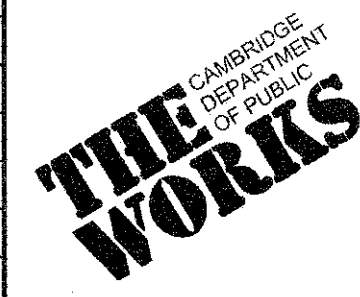


CONFORMED SET

CAD FILE: G:\clients\cambridge\Mar2012\256.019 - Concord Ave (contract 9)\Drawings\Civil\Production Drawings\Grading\Grading\AlpineSt\Grading\AlpineSt.dwg
 LAYOUT: Grading -AlpineSt 3 - PLOTTED: 10/27/2013 5:50 PM BY: travis lucia



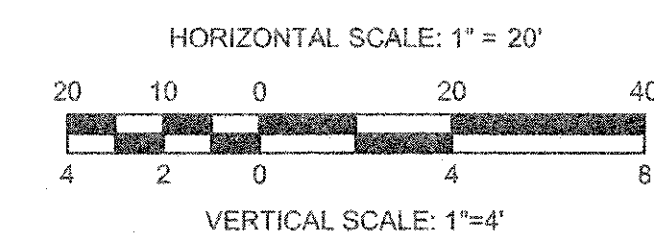
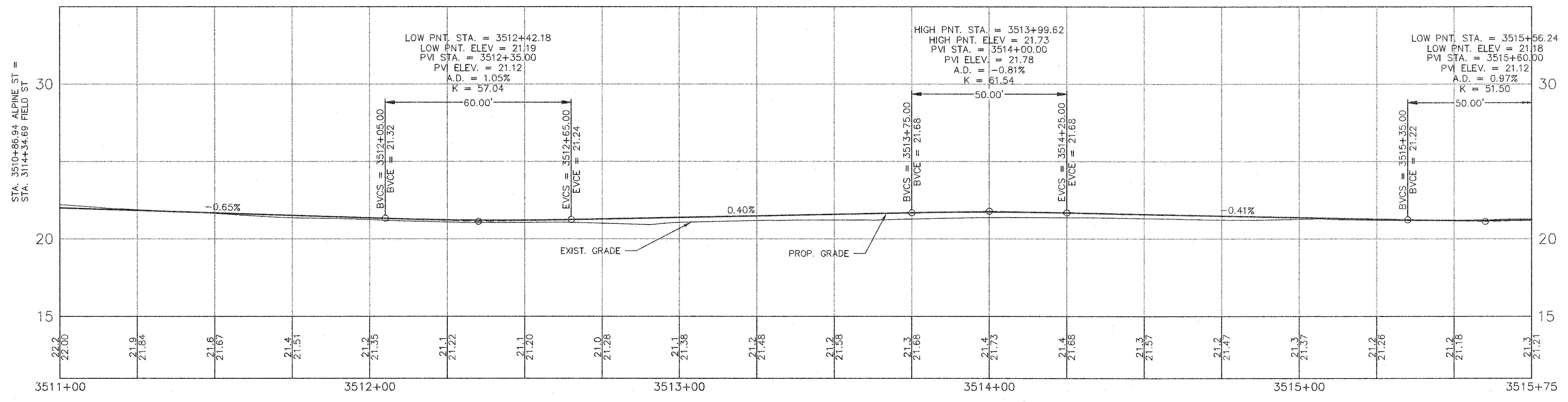
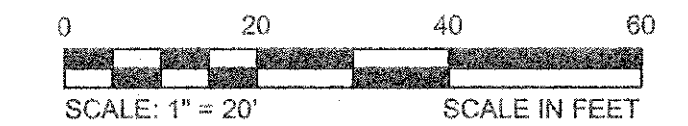
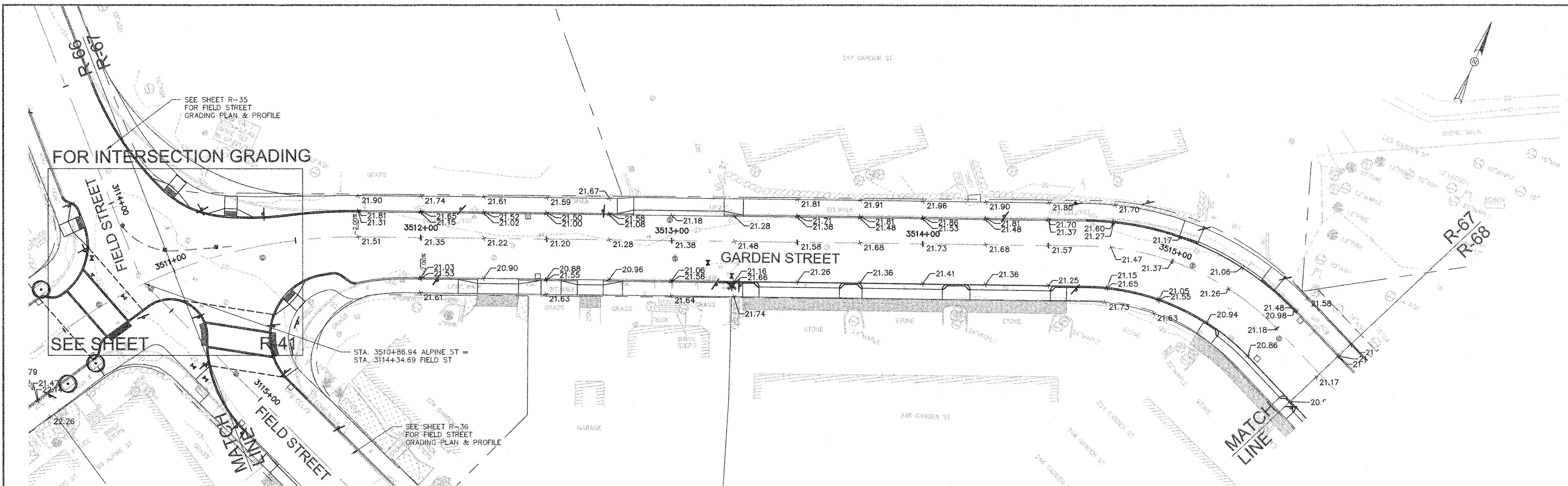
Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



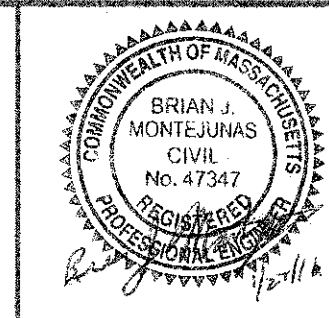
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE ALPINE STREET STA 3507+09 TO 3511+00

Sheet	R-66
File No.	

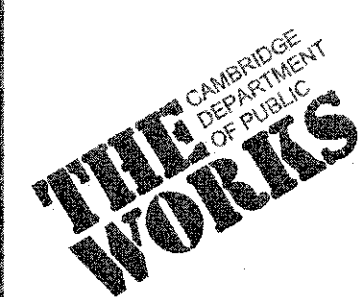
CADD FILE: G:\Clients\Cambridge MA\2012256.01-A, Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading - Alpine St.dwg LAYOUT: Grading - Garden St 1 - PLOTTED: 2/17/2014 4:31 PM BY: vlye.hargolis



CONFORMED SET

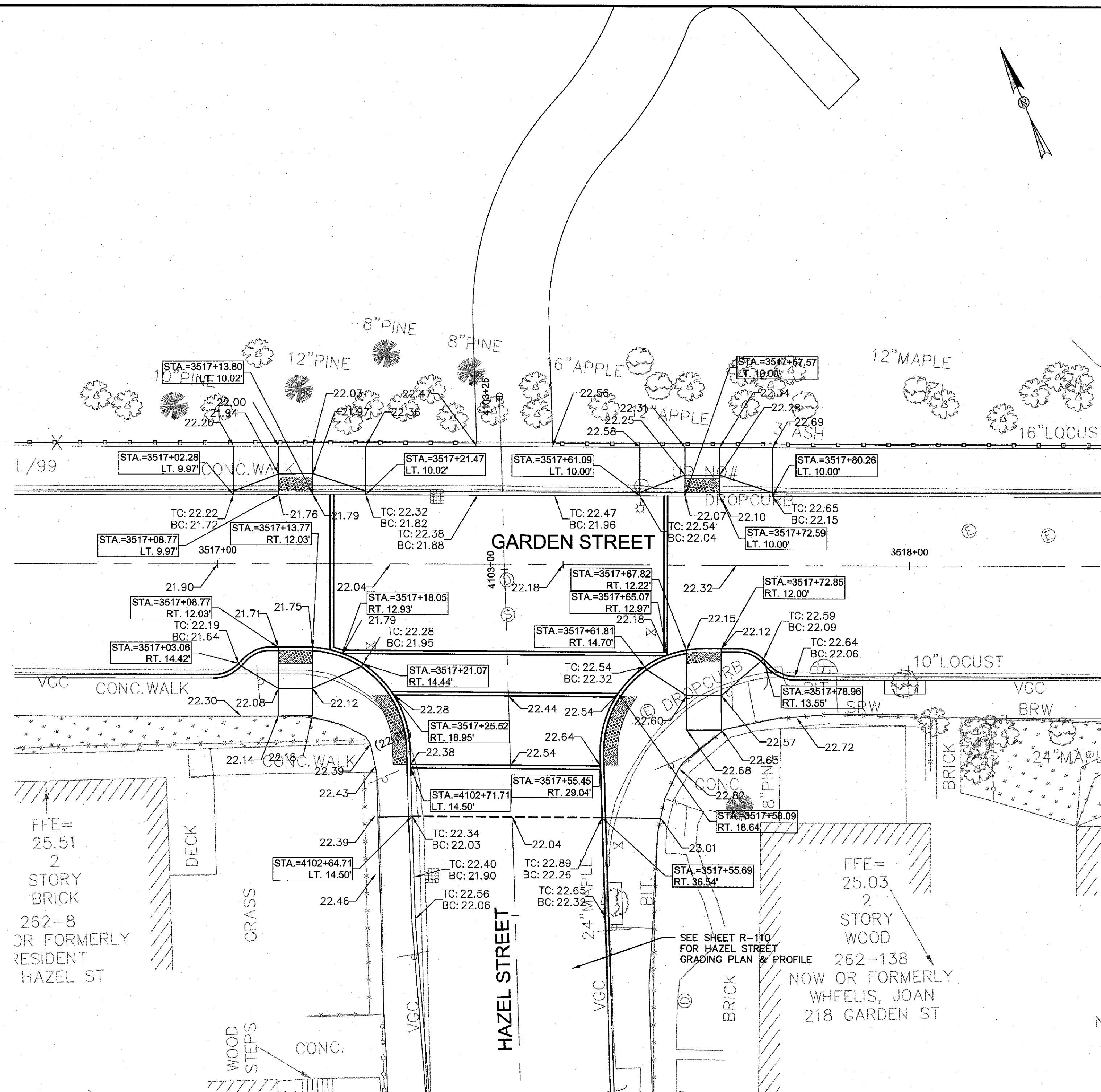


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FAM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



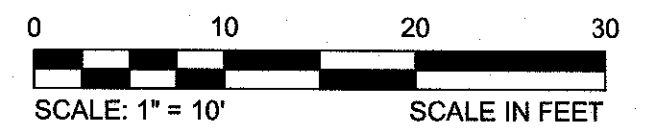
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE GARDEN STREET STA 3511+00 TO 3515+75

Sheet	R-67
File No.	6228



GARDEN ST & HAZEL ST PLAN
SCALE: 1" = 10'

- LEGEND:**
- (XX.XX) EXISTING ELEVATION
 - xx.xx PROPOSED ELEVATION
 - TC TOP OF CURB
 - BC BOTTOM OF CURB

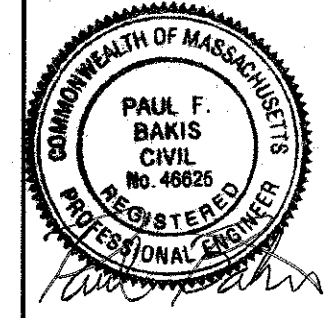


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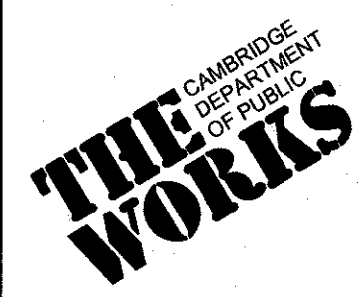
PLOTTED: 2/10/2014 11:37 AM BFB: bmk, paul
 LAYOUT: IntersectionGrading_GardenSt.dwg
 CAD FILE: C:\pwworking\hdr\2014\02\IntersectionGrading_GardenSt.dwg



HDR
 HDR ENGINEERING, INC.
 695 ATLANTIC AVENUE, 2FL
 BOSTON, MASSACHUSETTS 02111-2626
 (617) 357-7700

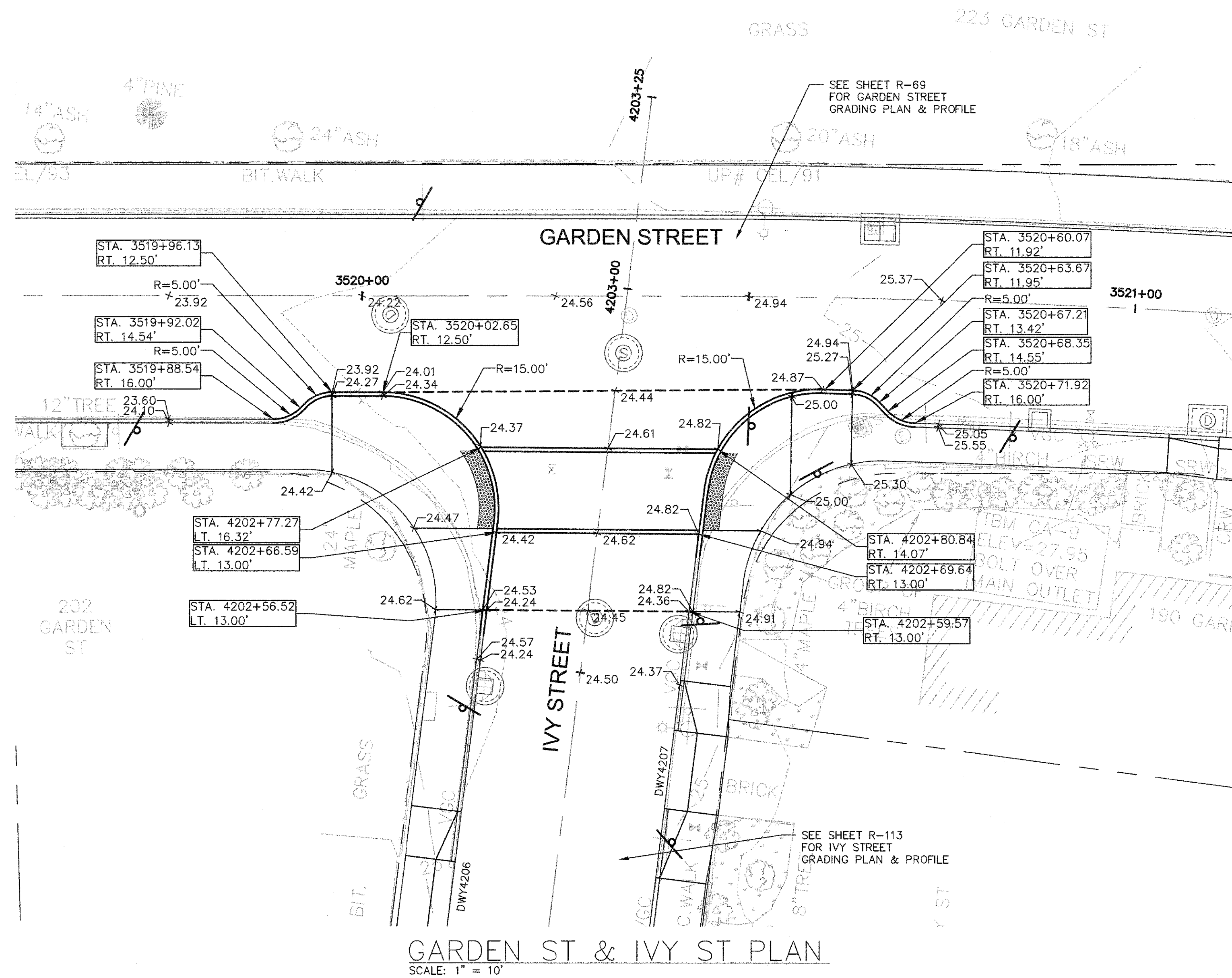
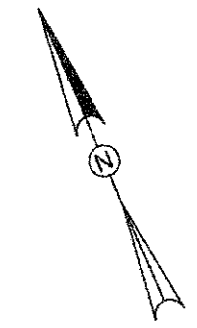


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	JBC		
Drawn by	JBC		
Checked by	PFB	No.	Description
Approved by	GMF		REVISIONS

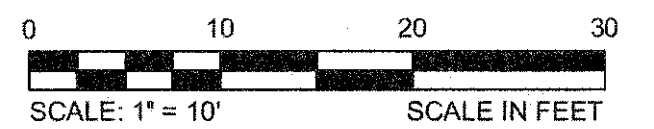


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING GARDEN STREET 1 OF 2

Sheet	R-70
File No.	

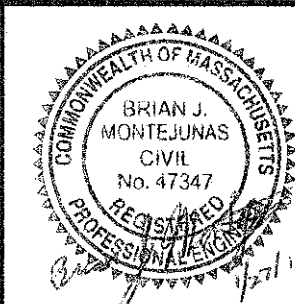


GARDEN ST & IVY ST PLAN
SCALE: 1" = 10'

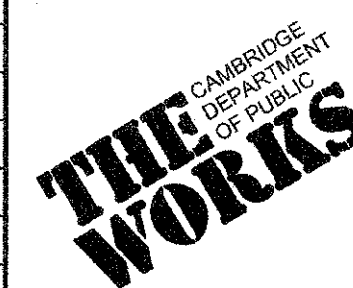


CONFORMED SET

CAD FILE: G:\Clients\Cambridge MA\2012256 01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\IntersectionGrading - Garden St.dwg LAYOUT: IntersectionGrading - Garden St.dwg PLOTTED: 2/12/2014 10:42 AM BY: nyle lamplola

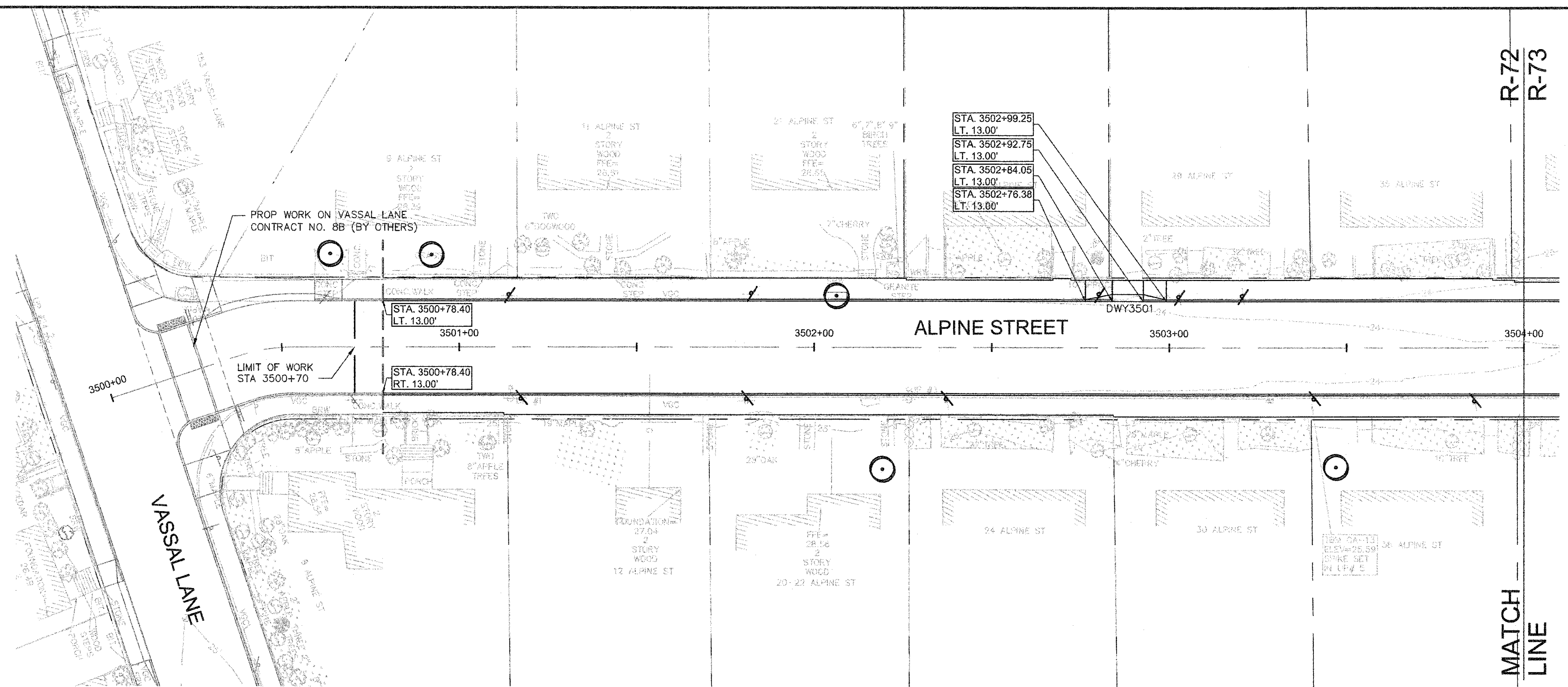


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
			REVISIONS



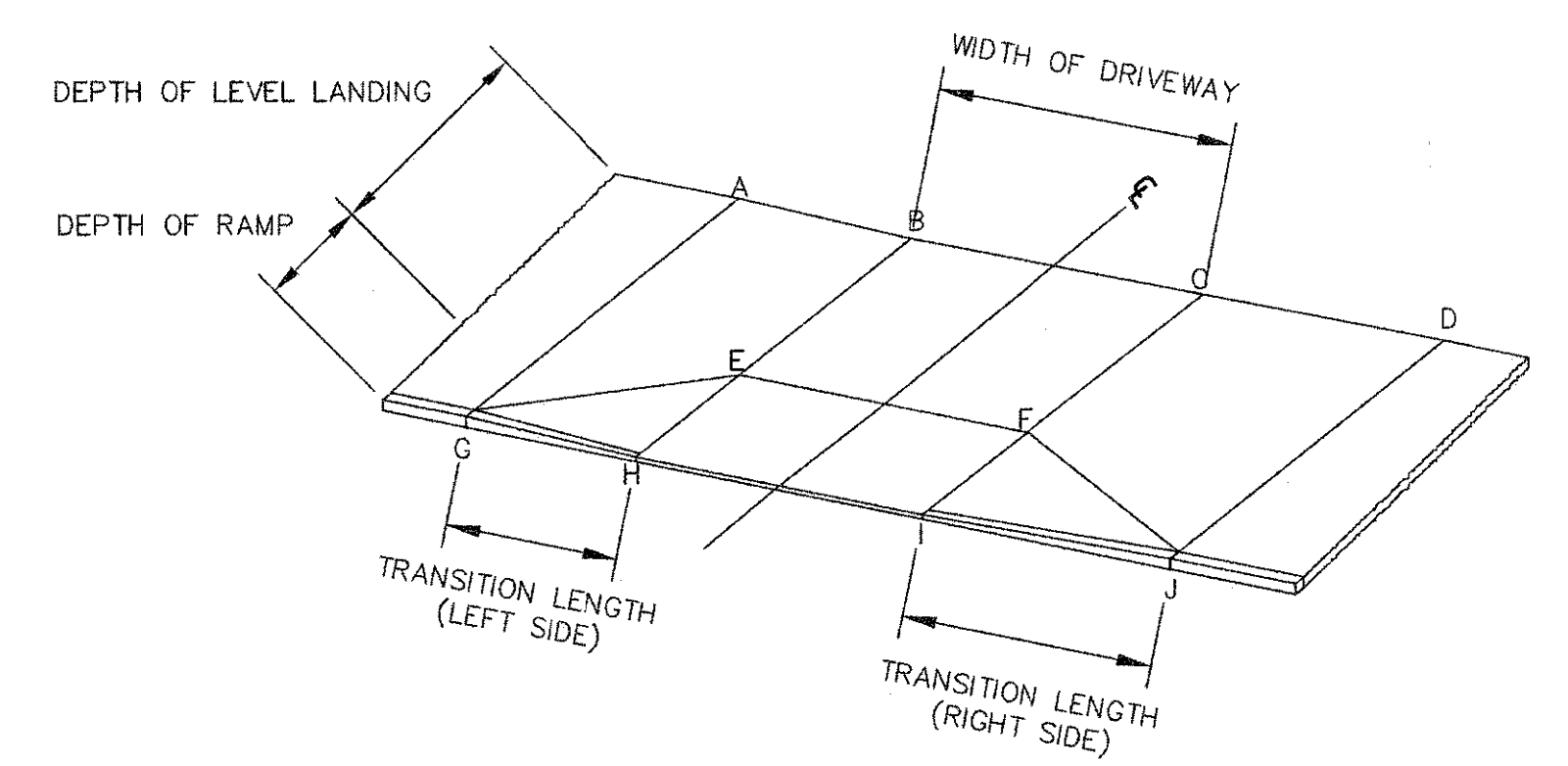
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING GARDEN STREET 2 OF 2

Sheet	R-71
File No.	6228



ALPINE STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3501	2.00	2.00	4.00	4.00	8.70	7.67	6.50	24.65	24.48	24.45	24.57	24.42	24.39	24.57	24.07	24.04	24.01	24.49	23.99

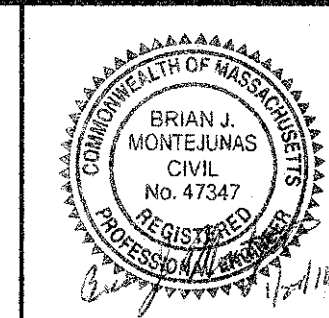


TYPICAL RAMP LEGEND
SCALE: N.T.S.

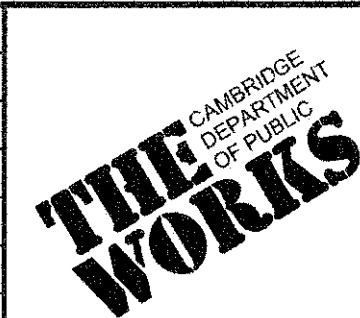


CONFORMED SET

CAD FILE: G:\clients\Cambridge\MA\2012285\01-A - Concord Ave (Contract 9)\Drawings\CH\Production Drawings\Curb Tie Plan\CurbTie_AlpineS1.dwg
 LAYOUT: CurbTie - AlpineS1
 PLOTTED: 2/17/2014 8:03 AM BY: Kyle Ingalls

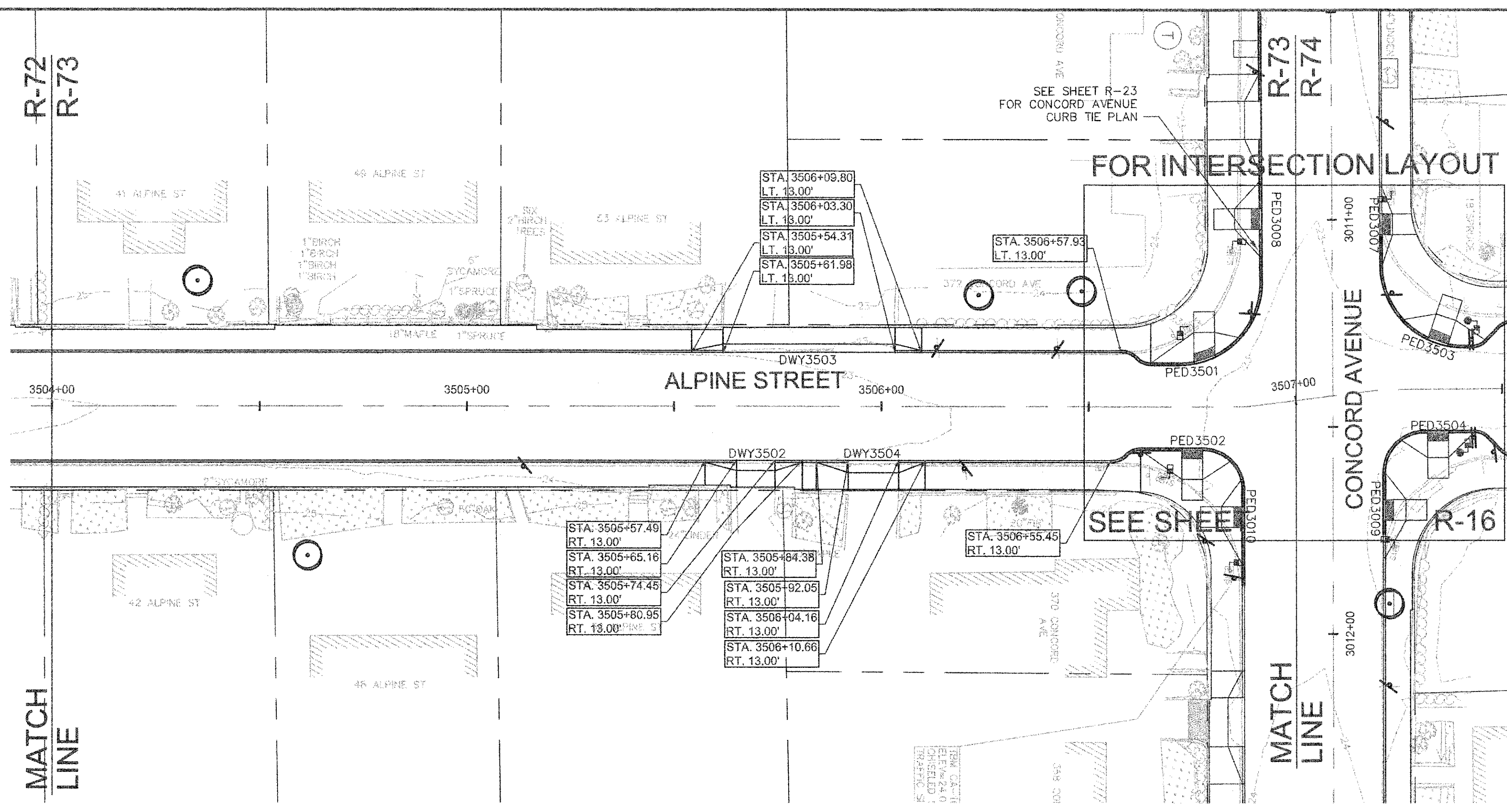


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	



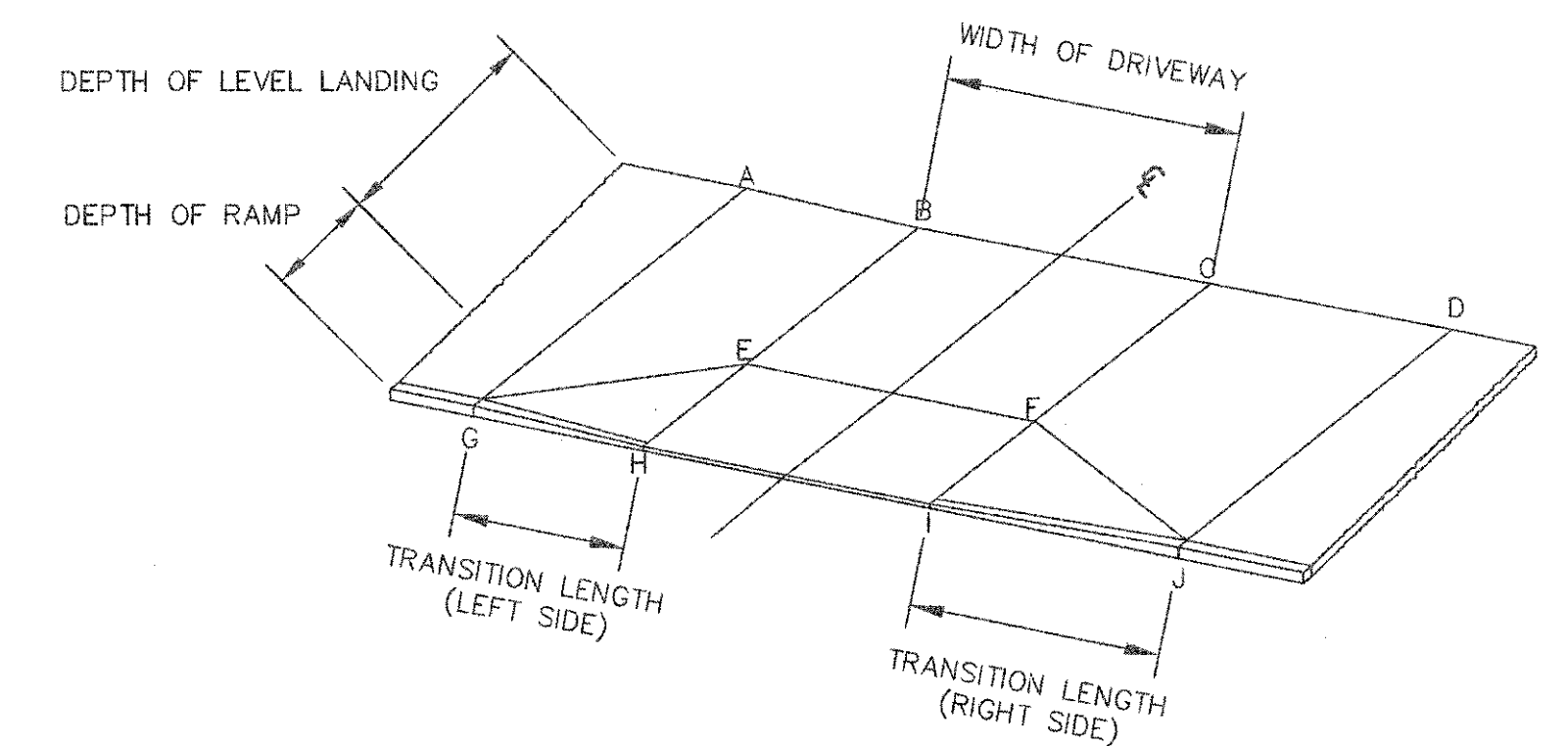
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN ALPINE STREET STA 3500+78 TO 3504+00

Sheet	R-72
File No.	6228



ALPINE STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3502	2.50	2.50	4.00	4.00	9.29	6.50	7.67	23.58	23.53	23.57	23.67	23.47	23.51	23.48	22.98	23.02	23.06	23.58	23.08
3503	2.00	2.00	4.00	4.00	41.32	7.67	6.50	23.67	23.48	23.24	23.35	23.42	23.18	23.59	23.09	23.07	22.82	23.25	22.77
3504	3.00	3.00	4.00	4.00	12.11	6.50	7.67	23.36	23.39	23.49	23.55	23.33	23.43	23.25	22.76	22.81	22.90	23.44	22.95

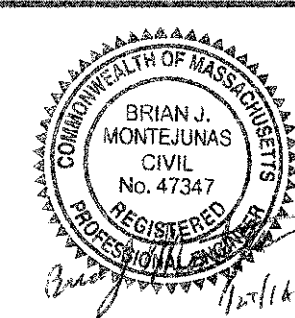


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

CAD FILE: G:\Clients\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_Alphens-Cambridge.dwg
 LAYOUT: Curb Tie - Alphens.2 PLOTTED: 2/11/2014 8:05 AM BY: Kyle Ingalls

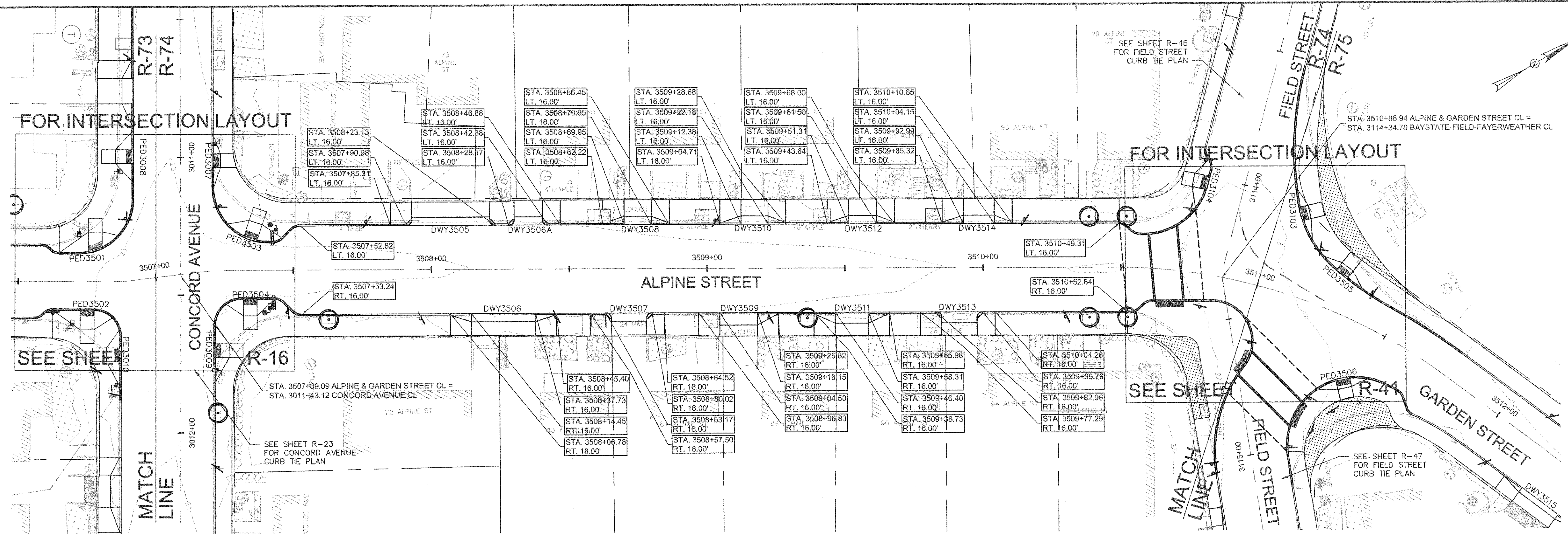


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		DATE
REVISIONS			



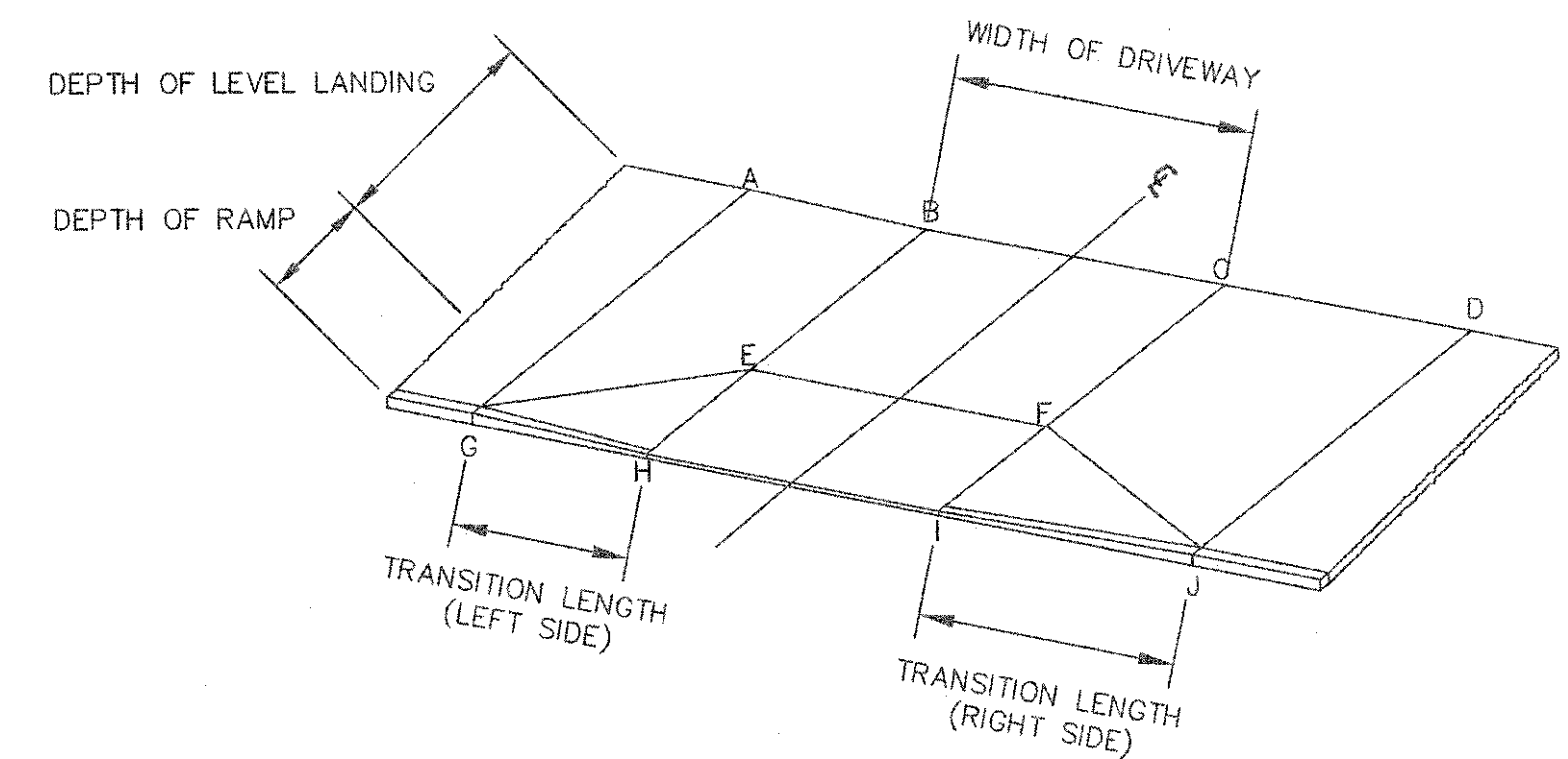
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN ALPINE STREET STA 3504+00 TO 3507+09

Sheet	R-73
File No.	6228



ALPINE STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3505	3.00	3.00	5.50	5.50	28.16	7.67	-	23.07	23.00	22.61	-	22.90	22.53	22.95	22.42	22.37	22.16	-	-
3506	3.00	3.00	5.00	5.00	23.28	7.67	7.67	22.95	22.86	22.94	22.98	22.77	22.86	22.85	22.21	22.24	22.33	22.87	22.37
3506A	3.00	3.00	6.00	6.00	10.20	-	6.50	-	22.70	22.55	22.61	22.62	22.47	-	22.11	22.07	22.54	22.04	-
3507	3.00	3.00	5.00	5.00	12.85	6.50	7.67	22.83	22.68	22.74	22.94	22.60	22.66	22.68	22.05	22.07	22.13	22.79	22.16
3508	3.00	3.00	6.00	6.00	10.06	7.67	6.50	22.53	22.33	22.20	22.27	22.25	22.12	22.48	21.98	21.95	21.91	22.23	21.88
3509	4.50	4.50	4.00	4.00	13.65	7.67	7.67	22.67	22.62	22.68	22.78	22.56	22.62	22.52	21.88	21.91	21.97	22.62	22.00
3510	3.00	3.00	6.00	6.00	9.80	7.67	6.50	22.25	22.03	22.00	22.08	21.95	21.92	22.20	21.80	21.77	21.73	22.05	21.71
3511	4.00	4.00	4.50	4.50	11.91	7.67	7.67	22.51	22.46	22.50	22.61	22.38	22.43	22.36	21.72	21.74	21.79	22.45	21.82
3512	3.00	3.00	6.00	6.00	10.19	7.67	6.50	22.03	21.96	21.91	21.95	21.88	21.83	22.00	21.64	21.61	21.57	21.90	21.54
3513	4.00	4.00	4.50	4.50	12.81	6.50	7.67	22.34	22.29	22.35	22.46	22.22	22.27	22.18	21.55	21.58	21.63	22.30	21.67
3514	3.00	3.00	6.00	6.00	11.15	7.67	6.50	21.92	21.82	21.79	21.93	21.74	21.71	21.85	21.47	21.44	21.40	21.87	21.37

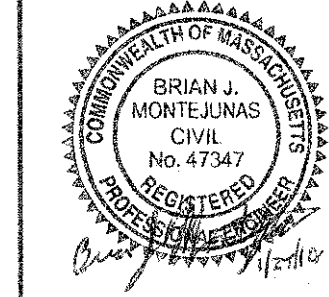


TYPICAL RAMP LEGEND
SCALE: N.T.S.

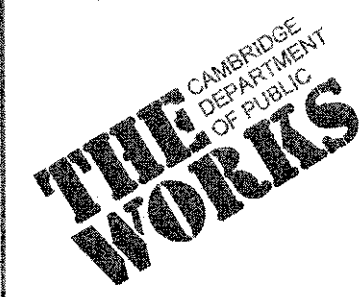


CONFORMED SET

CAD FILE: G:\client\Cambridge MA\2012258301-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Sub The Plan\Curbside\Alpine\Alpine.dwg
 LAYOUT: Curbside - Alpine.dwg
 PLOTTED: 2/11/2014 8:04 AM BY: Kyle Hughes

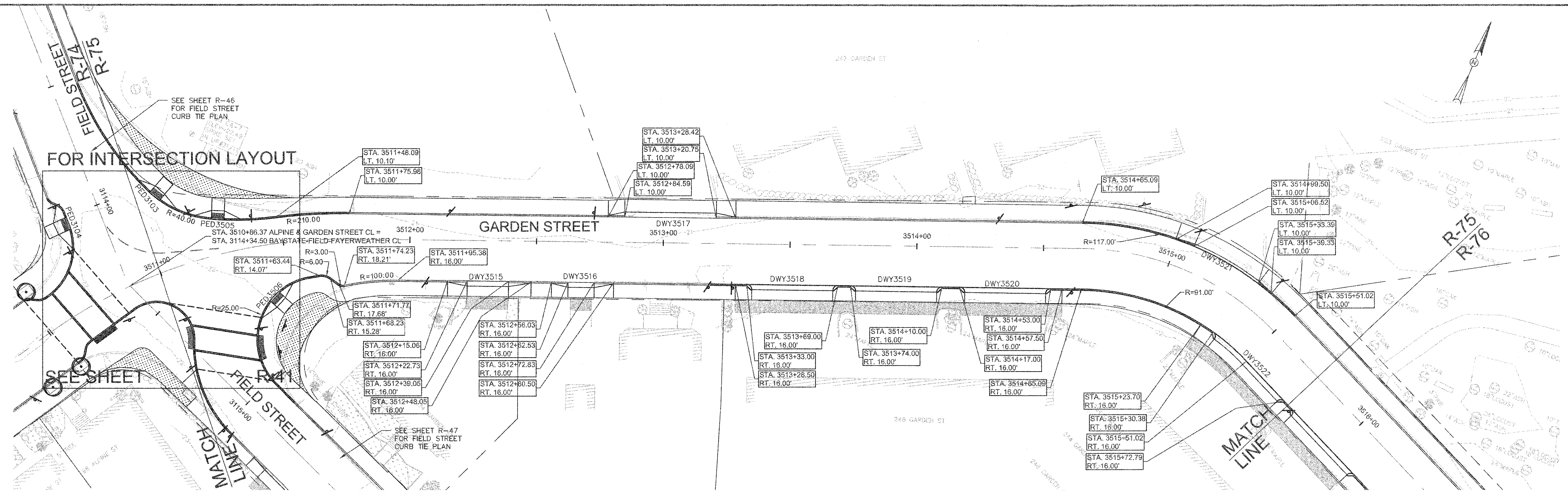


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KUL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



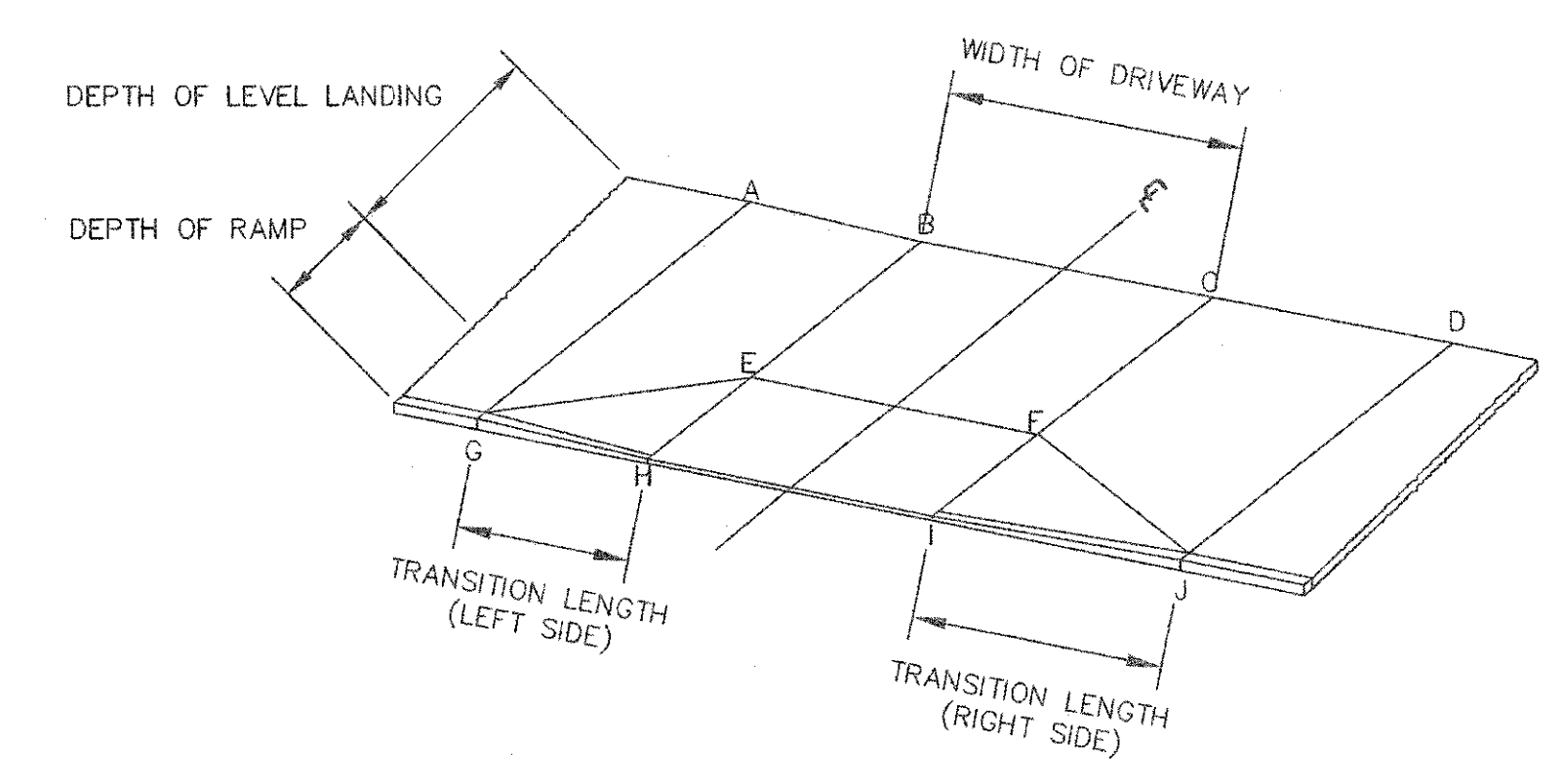
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-74
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN ALPINE STREET STA 3507+09 TO 3511+00		

CAD FILE: G:\clients\cambridge\MA2012256\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTiePlanAlpineSt-GardenSt.dwg
 LAYOUT: CurbTie - Garden St 1 PLOTTED: 2/11/2014 8:04 AM BY: Kyle Langille



GARDEN STREET DRIVEWAY RAMP SCHEDULE

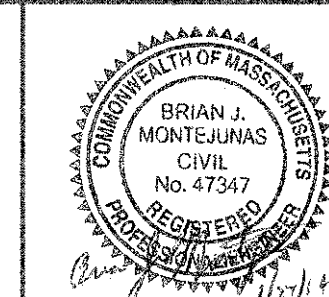
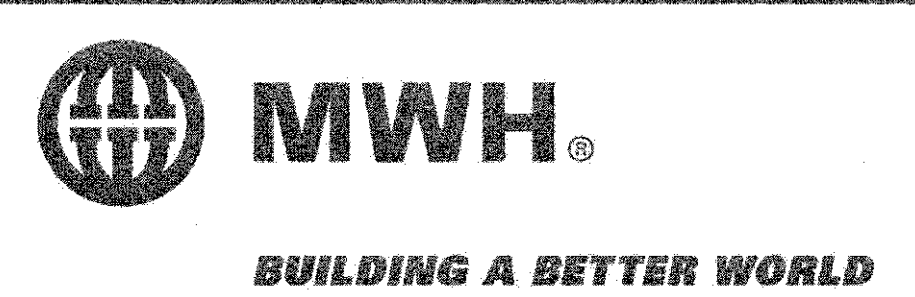
DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE												
								A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3515	2.00	2.00	4.00	4.00	16.33	9.00	7.67	21.60	21.34	21.33	21.35	21.27	21.29	21.54	20.88	20.89	20.91	21.30	20.95
3516	2.00	2.00	4.00	4.00	10.31	7.67	6.50	21.56	21.40	21.36	21.54	21.34	21.30	21.48	20.98	20.96	20.92	21.43	20.90
3517	2.00	2.00	5.00	5.00	36.16	6.50	7.67	21.65	21.33	21.48	21.69	21.28	21.43	21.59	21.09	21.12	21.26	21.65	21.29
3518	2.00	2.00	4.00	4.00	32.00	-	6.50	-	21.77	21.63	21.75	21.71	21.57	-	-	21.33	21.19	21.67	21.17
3519	2.00	2.00	4.00	4.00	32.00	-	-	-	21.83	21.80	-	21.77	21.74	-	-	21.39	21.36	-	-
3520	2.00	2.00	4.00	4.00	32.00	6.50	-	21.81	21.68	21.81	-	21.62	21.75	21.73	21.23	21.24	21.37	-	-
3521	1.00	1.00	6.00	6.00	29.38	7.67	6.50	21.57	21.34	21.30	21.60	21.28	21.21	21.51	21.17	21.13	21.03	21.50	21.00
3522	2.00	2.00	4.00	4.00	35.00	-	6.50	-	21.33	21.37	21.52	21.27	21.31	-	-	20.89	20.93	21.44	20.94



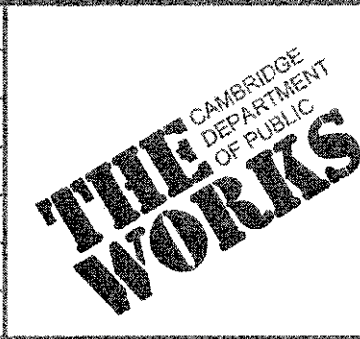
TYPICAL RAMP LEGEND
SCALE: N.T.S.



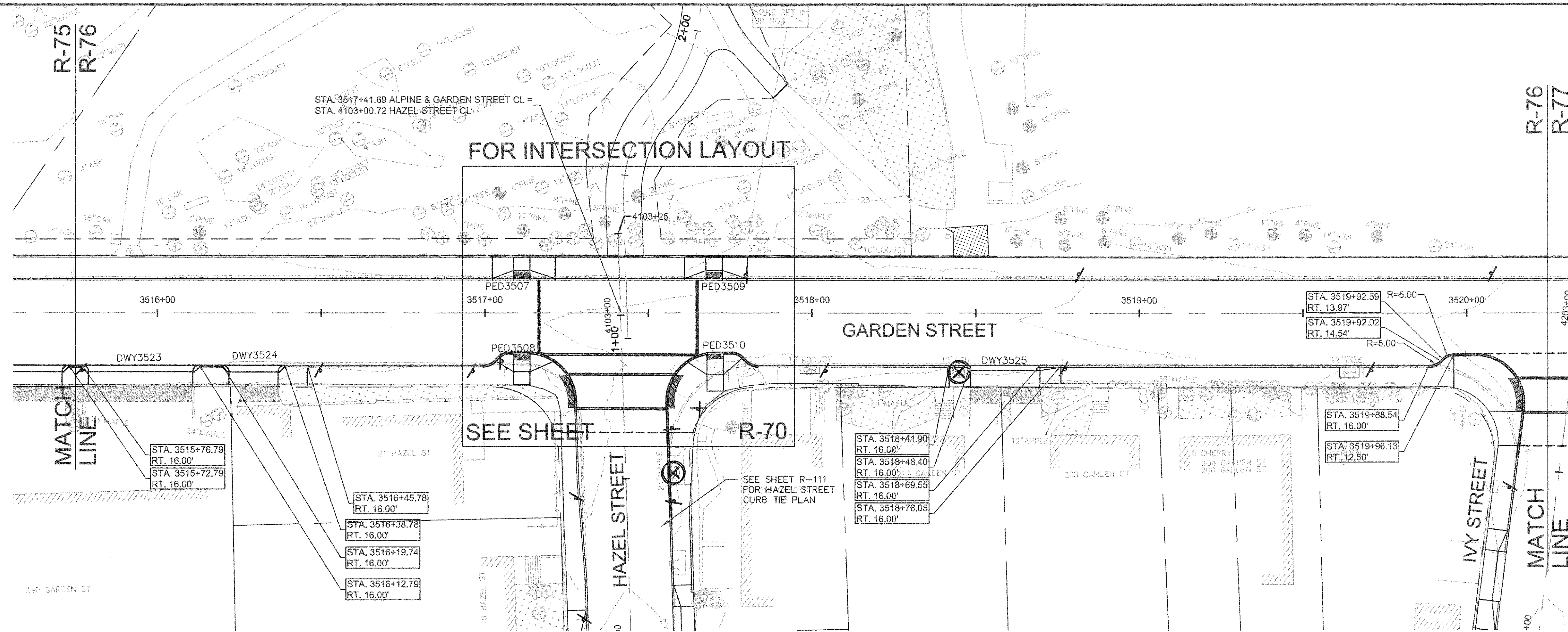
CONFORMED SET



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	

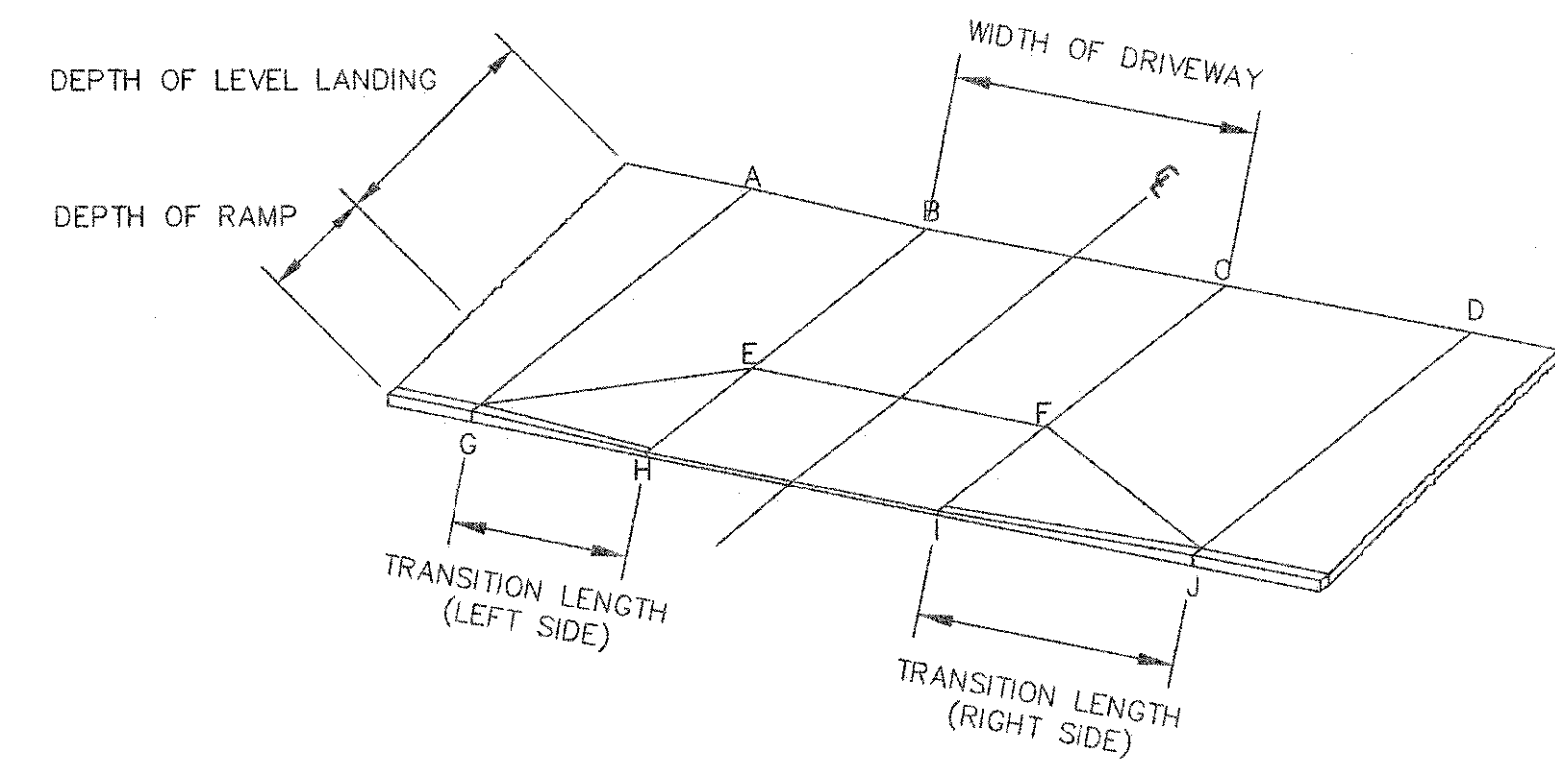


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-75
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN GARDEN STREET STA 3511+00 TO 3515+75		

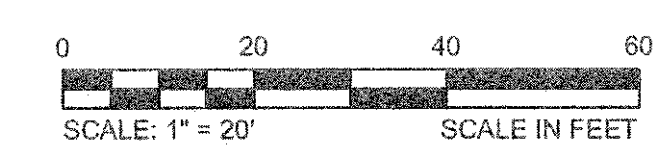


GARDEN STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE												
								A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3523	2.00	2.00	4.00	4.00	32.00	-	-	-	21.53	21.35	-	21.47	21.29	-	-	21.09	20.91	-	-
3524	2.00	2.00	4.00	4.00	15.03	9.00	-	22.02	21.67	21.59	-	21.61	21.53	21.92	21.28	21.23	21.15	-	-
3525	1.50	1.50	4.00	5.00	21.15	7.67	6.50	23.33	23.06	22.91	23.14	22.99	22.82	23.24	22.74	22.69	22.52	23.05	22.47

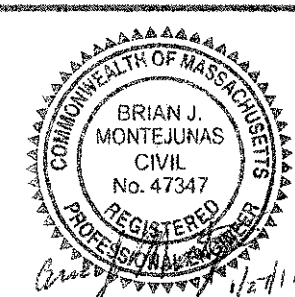


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

CADD FILE: G:\clients\cambridge\MA2012256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie - Alpine@GardensSt.dwg LAYOUT: Curb Tie - Garden St 2 - PLOTTED: 2/11/2014 8:04 AM BY: Kyle Langille

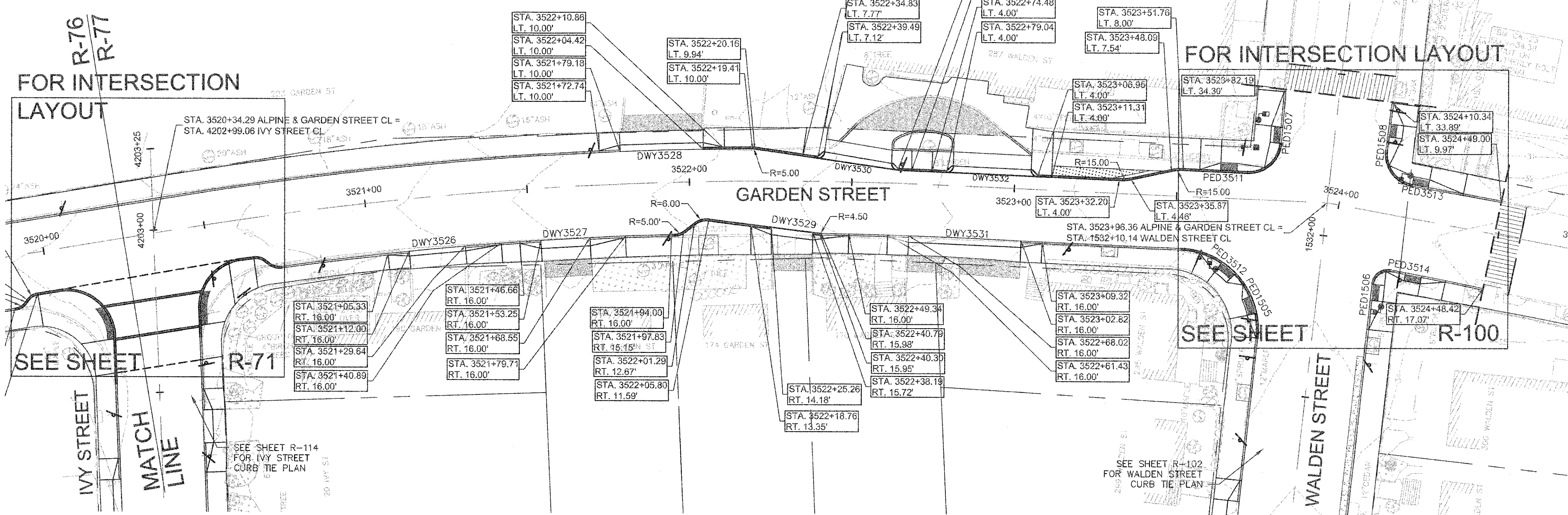


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRE
Checked by	CMC/TJR
Approved by	BJM



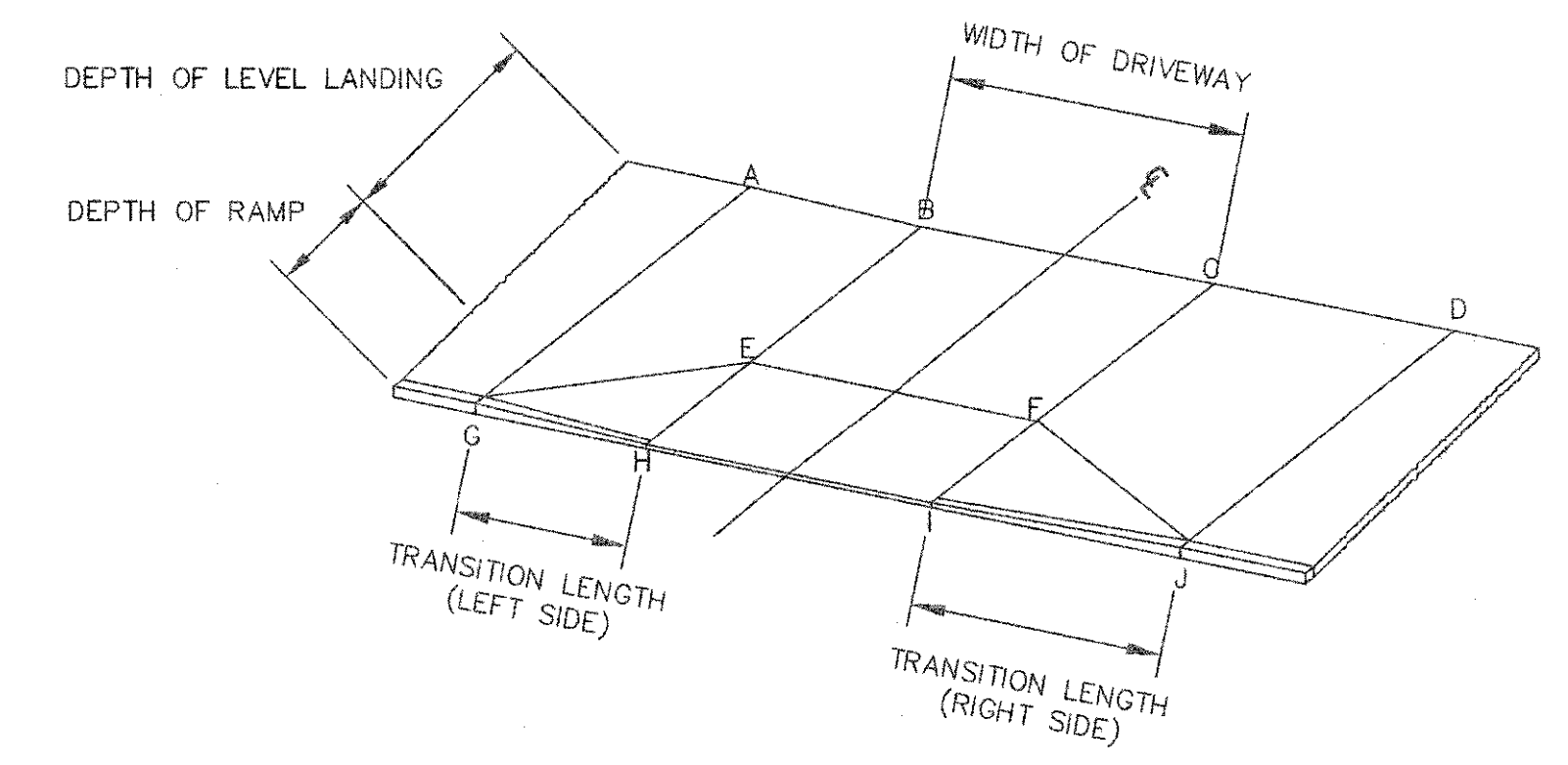
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN GARDEN STREET STA 3515+75 TO 3520+25

Sheet	R-76
File No.	6228

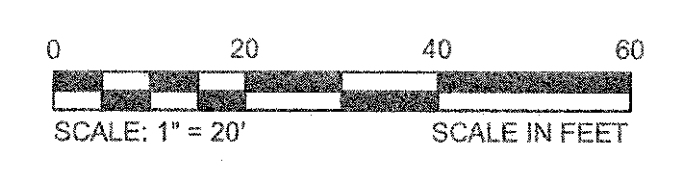


GARDEN STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
3526	1.50	1.50	4.40	4.00	17.47	11.00	6.50	26.95	26.29	25.96	26.19	26.25	25.90	26.87	26.49	26.21	25.81	26.12	25.66
3527	2.50	2.50	4.00	4.00	15.08	11.00	6.50	28.00	27.67	27.31	27.33	27.61	27.25	27.88	27.42	27.16	26.80	27.21	26.64
3528	2.00	2.00	4.00	4.00	25.45	6.50	11.00	27.80	27.69	28.35	28.70	27.62	28.28	27.76	27.26	27.43	28.09	28.68	28.26
3529	2.30	2.30	4.00	6.00	12.85	11.00	6.50	29.88	29.31	29.04	29.09	29.25	28.95	29.80	29.13	28.84	28.54	28.94	28.40
3530	2.00	2.00	4.00	4.00	20.85	6.50	6.50	29.41	29.50	29.75	30.15	29.43	29.70	29.31	28.89	29.06	29.58	30.07	29.73
3531	2.00	2.00	4.50	4.00	34.66	11.00	6.50	31.29	30.86	30.02	30.08	30.78	29.95	31.20	30.54	30.40	29.57	30.07	29.41
3532	2.00	2.00	4.00	4.00	23.91	6.50	6.50	30.31	30.48	31.04	31.25	30.41	30.97	30.22	29.89	30.04	30.62	31.14	30.77

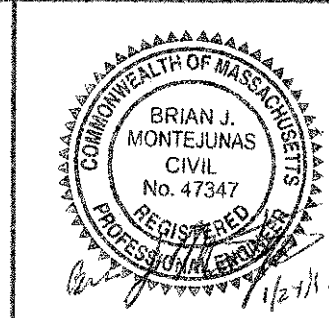


TYPICAL RAMP LEGEND
SCALE: N.T.S.

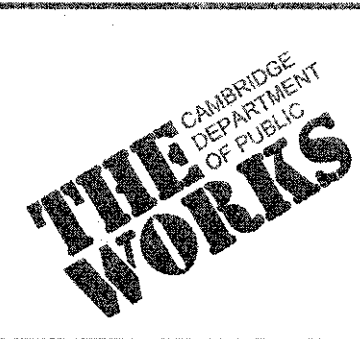


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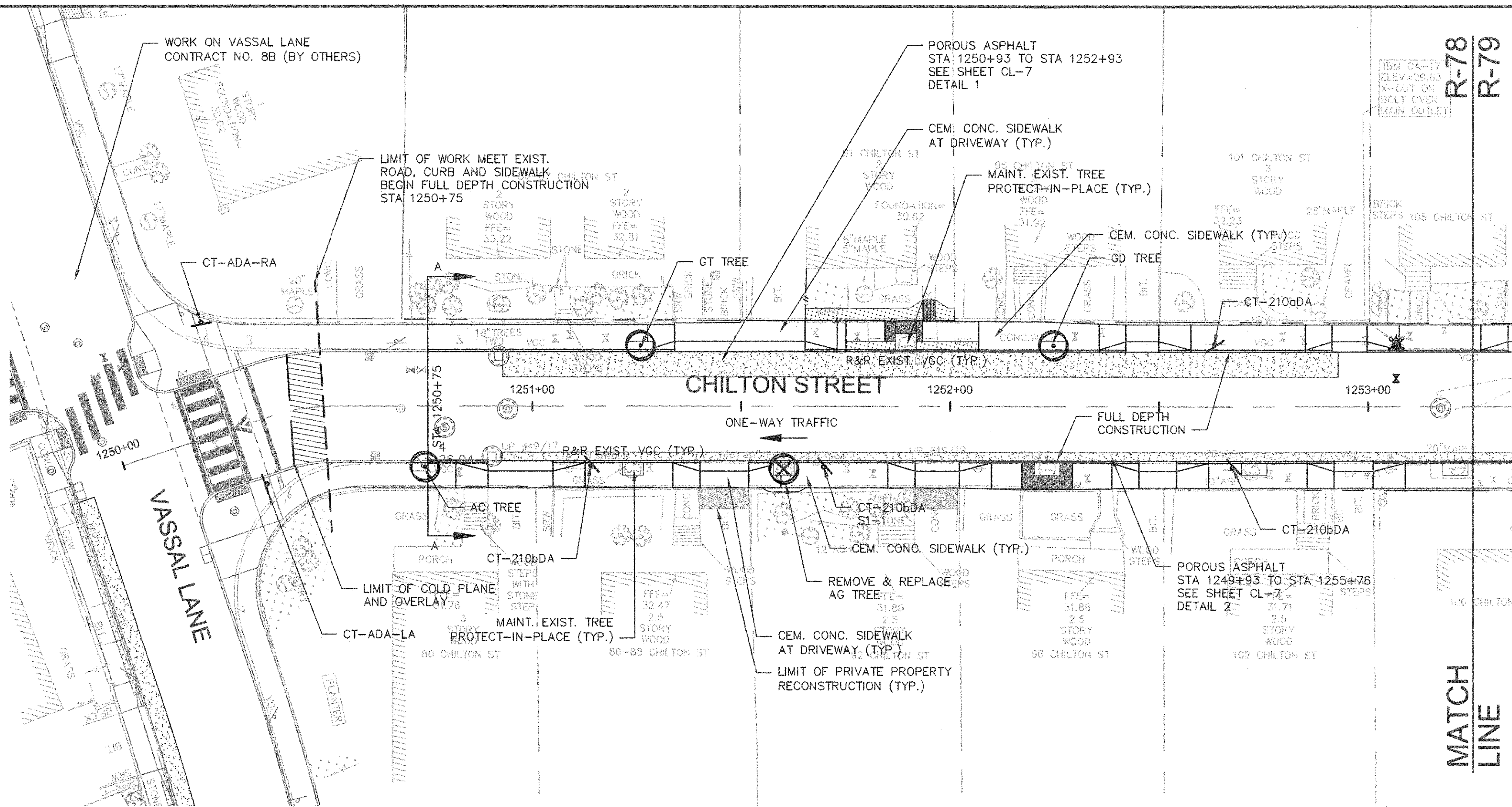
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Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	

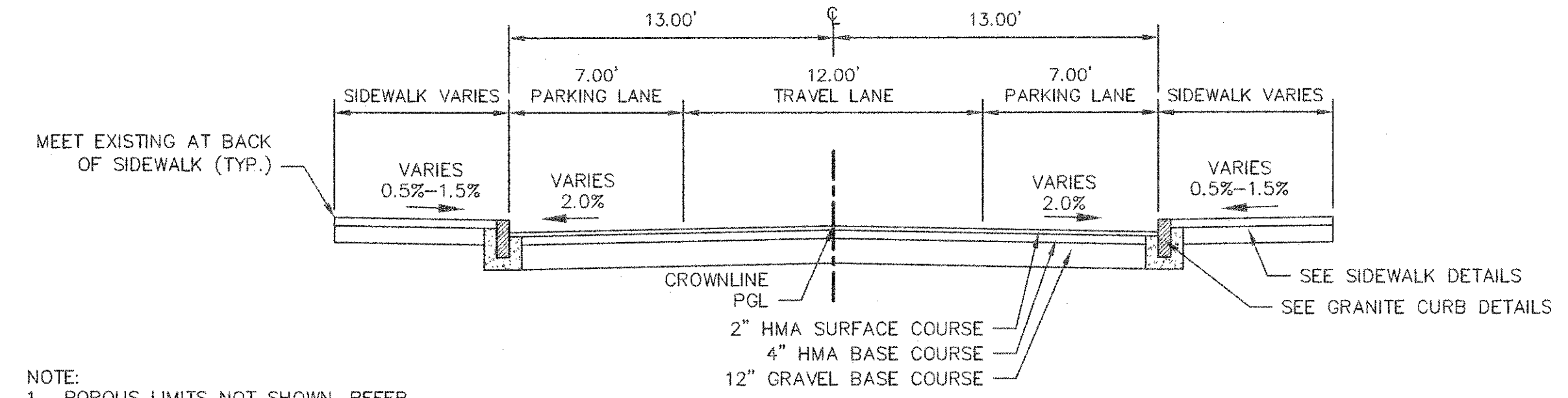


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-77
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN GARDEN STREET STA 3520+25 TO 3524+49		



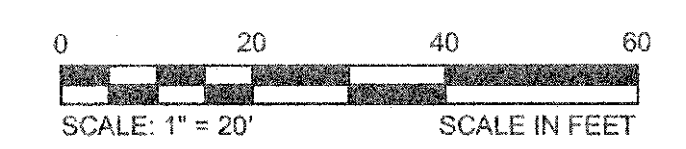
NOTES:

1. WORK IN CHILTON STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



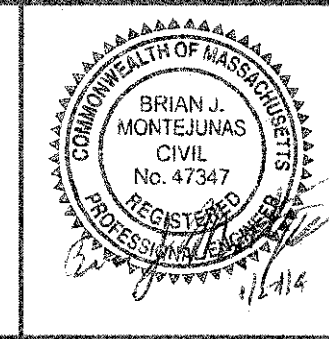
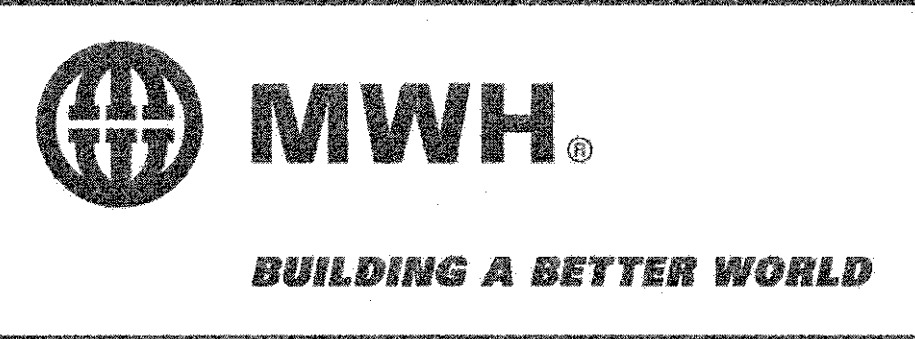
NOTE:
1. POROUS LIMITS NOT SHOWN. REFER TO SHEET DETAIL SHEET CL-7

(A) TYPICAL SECTION
R-78 SCALE: 1"=5'

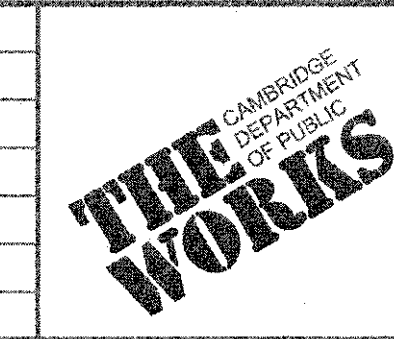


CONFORMED SET

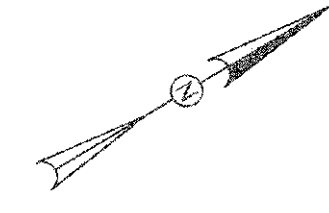
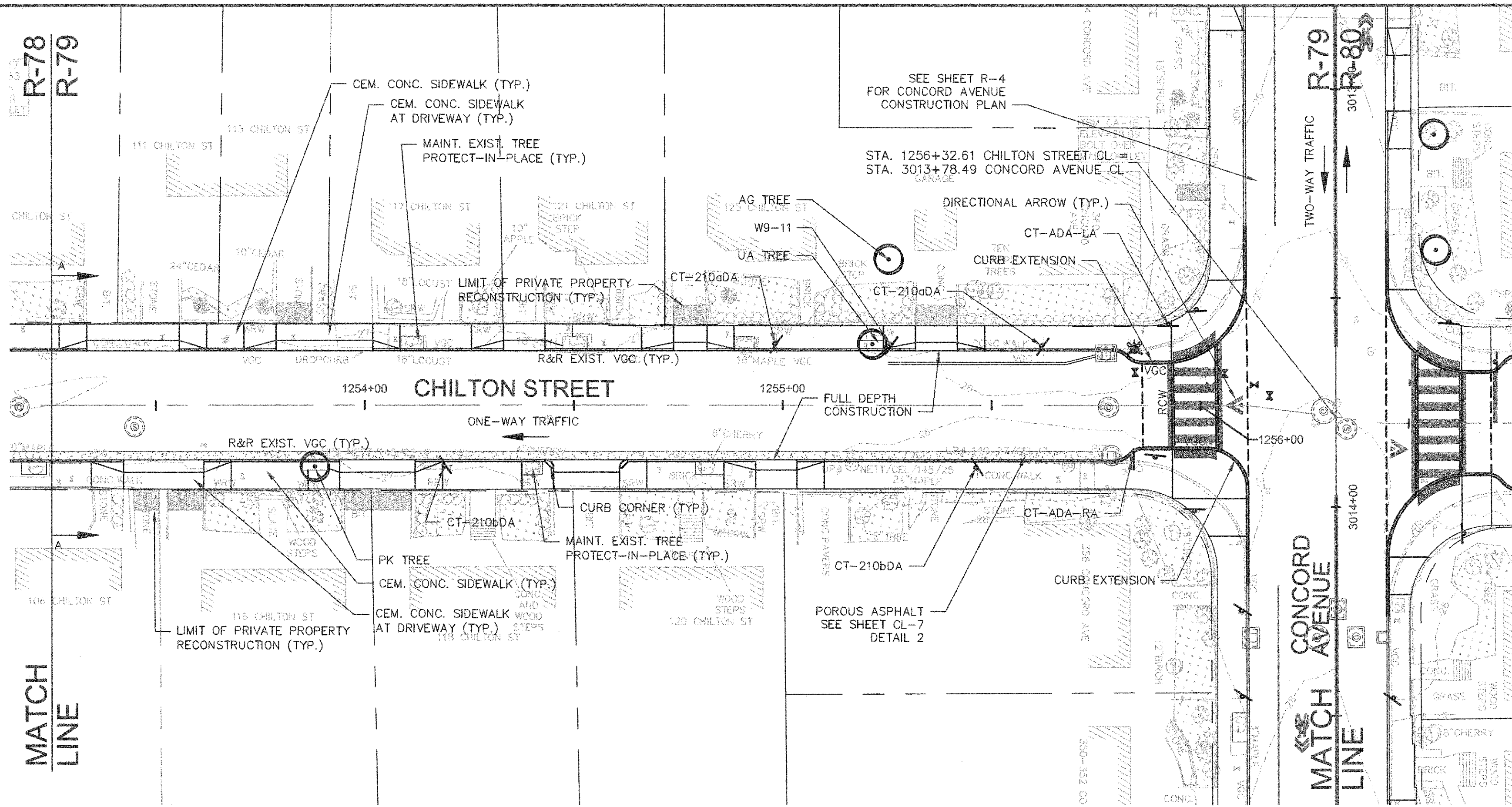
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 LAYOUT: Construction - ChiltonSt - PLOTTED: 2/11/2014 1:52 PM BY: Kyle Langlois



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
			REVISIONS

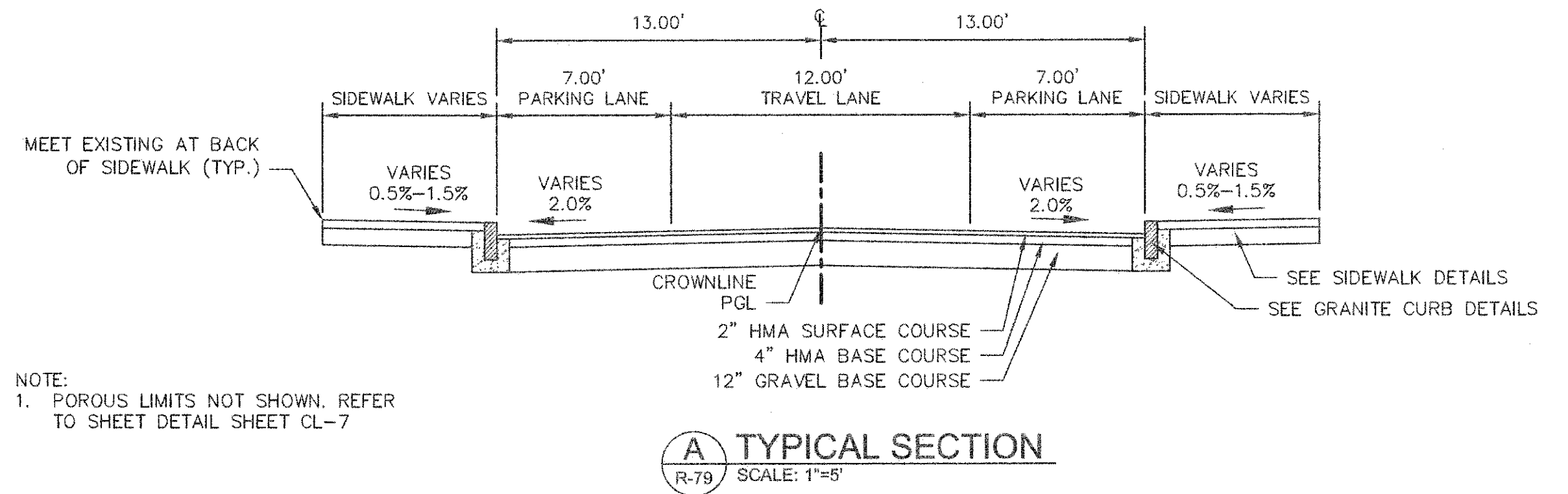


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-78
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN CHILTON STREET STA 1250+75 TO 1253+25		

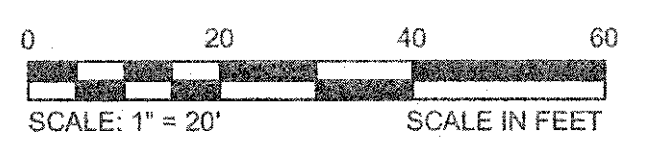


NOTES:

1. WORK IN CHILTON STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
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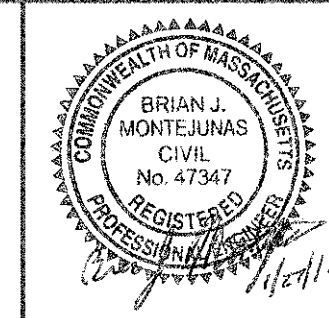


NOTE:
1. POROUS LIMITS NOT SHOWN. REFER TO SHEET DETAIL SHEET CL-7

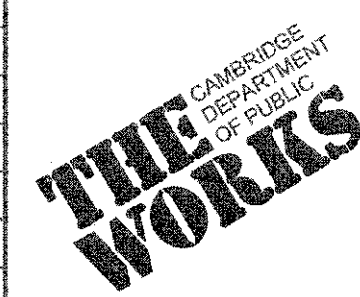


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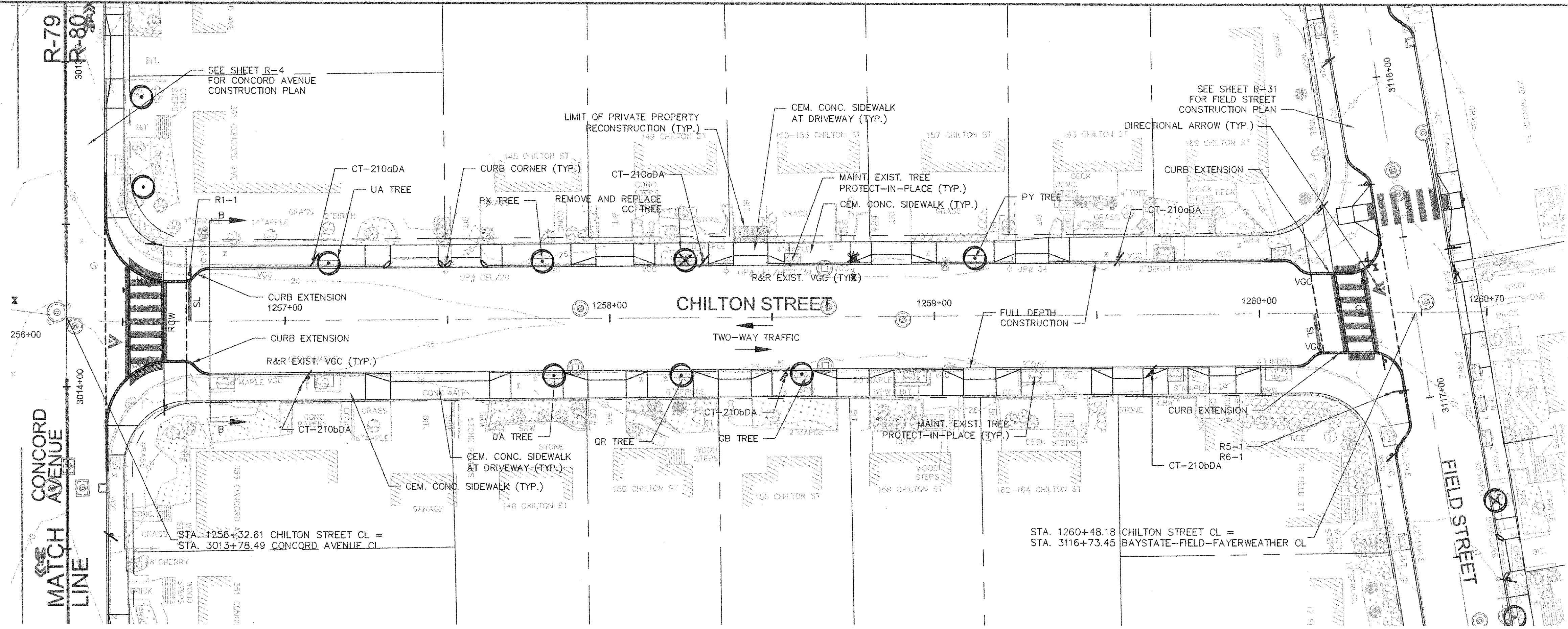
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 LAYOUT: Construction - ChiltonSt.dwg PLOTTED: 2/11/2014 4:52 PM BY: Kyle Langlois



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
		REVISIONS	

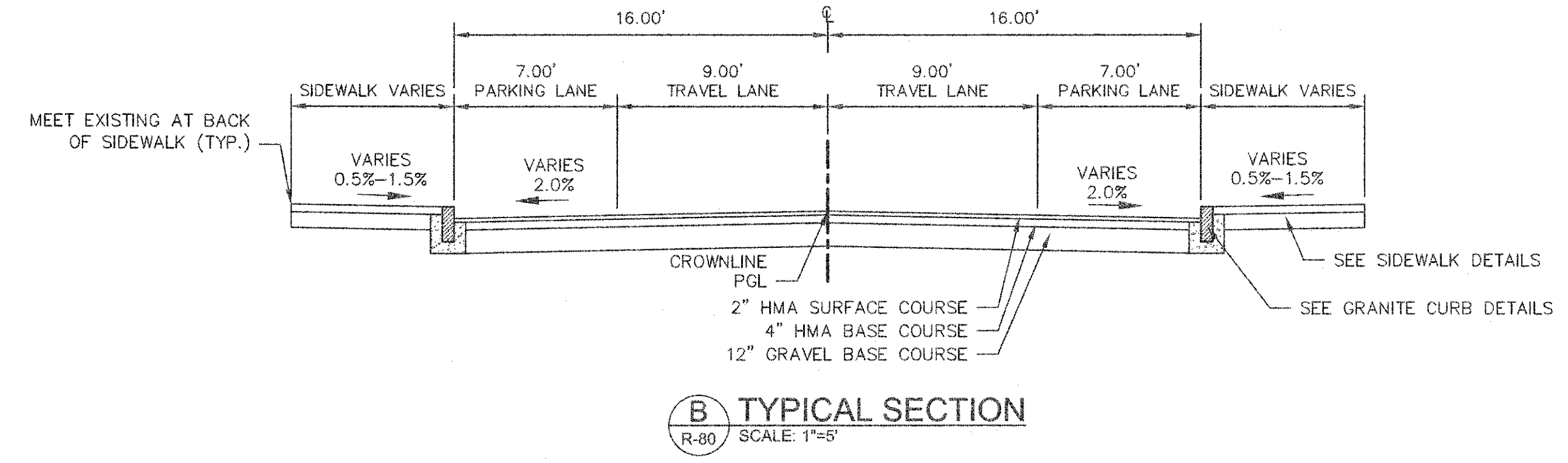


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-79
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN CHILTON STREET STA 1253+25 TO 1256+33		



NOTES:

1. WORK IN CHILTON STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
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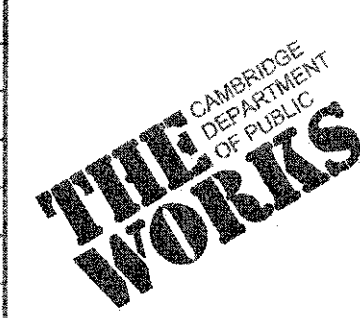


CONFORMED SET

CAD FILE: G:\client\Cambridge\MA\201228\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Construction Plan\Construction - ChiltonSt.dwg LAYOUT: Construction - ChiltonSt.dwg PLOTTED: 2/11/2014 1:33 PM BY: Kyle Lingglos

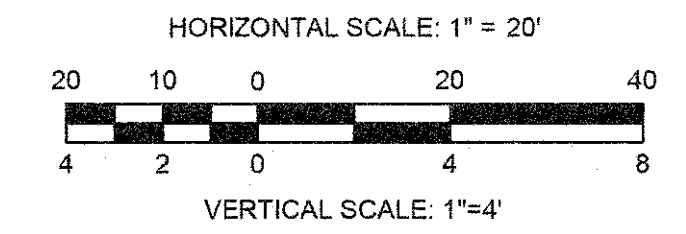
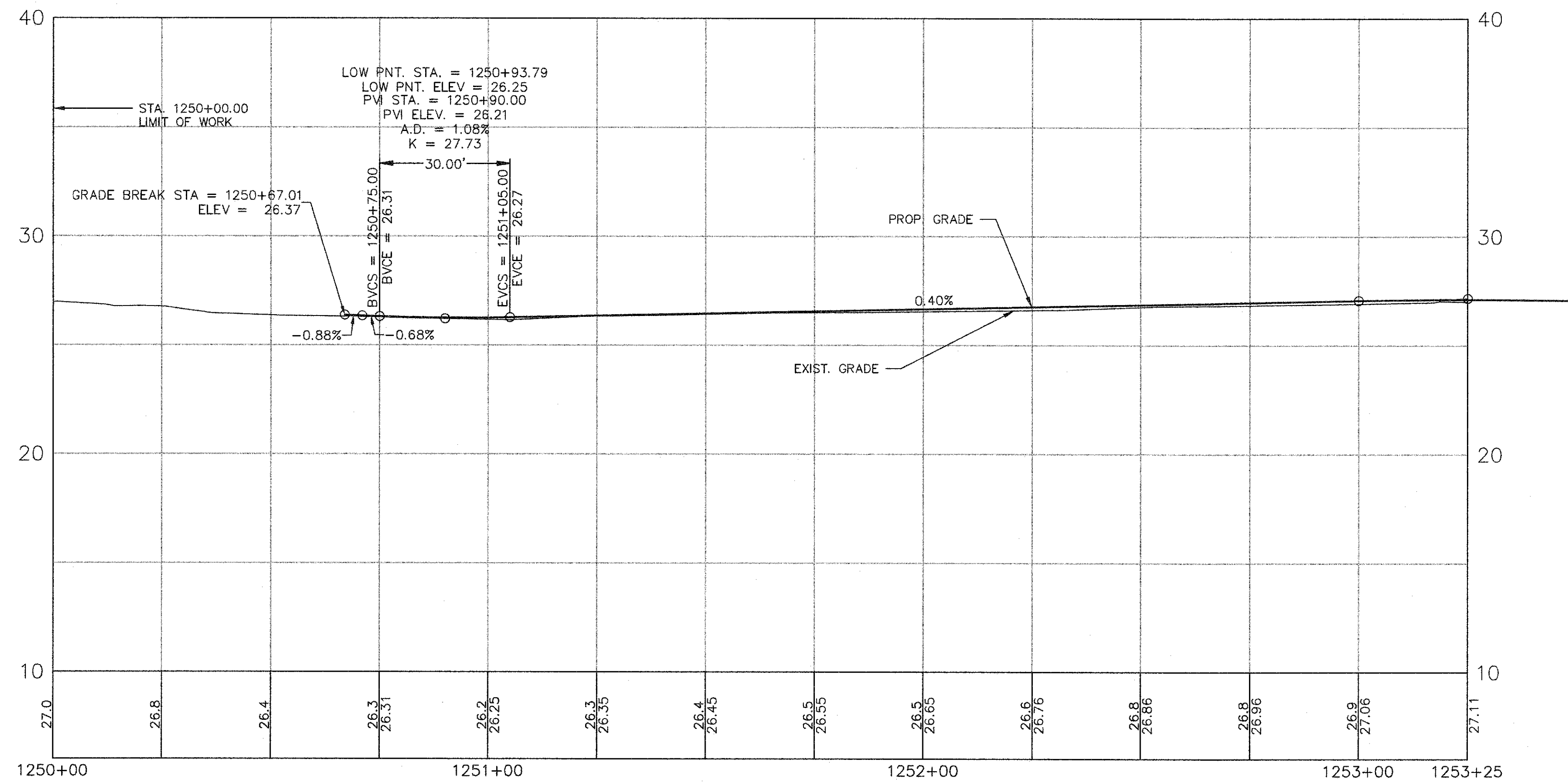
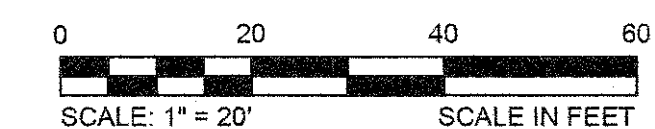
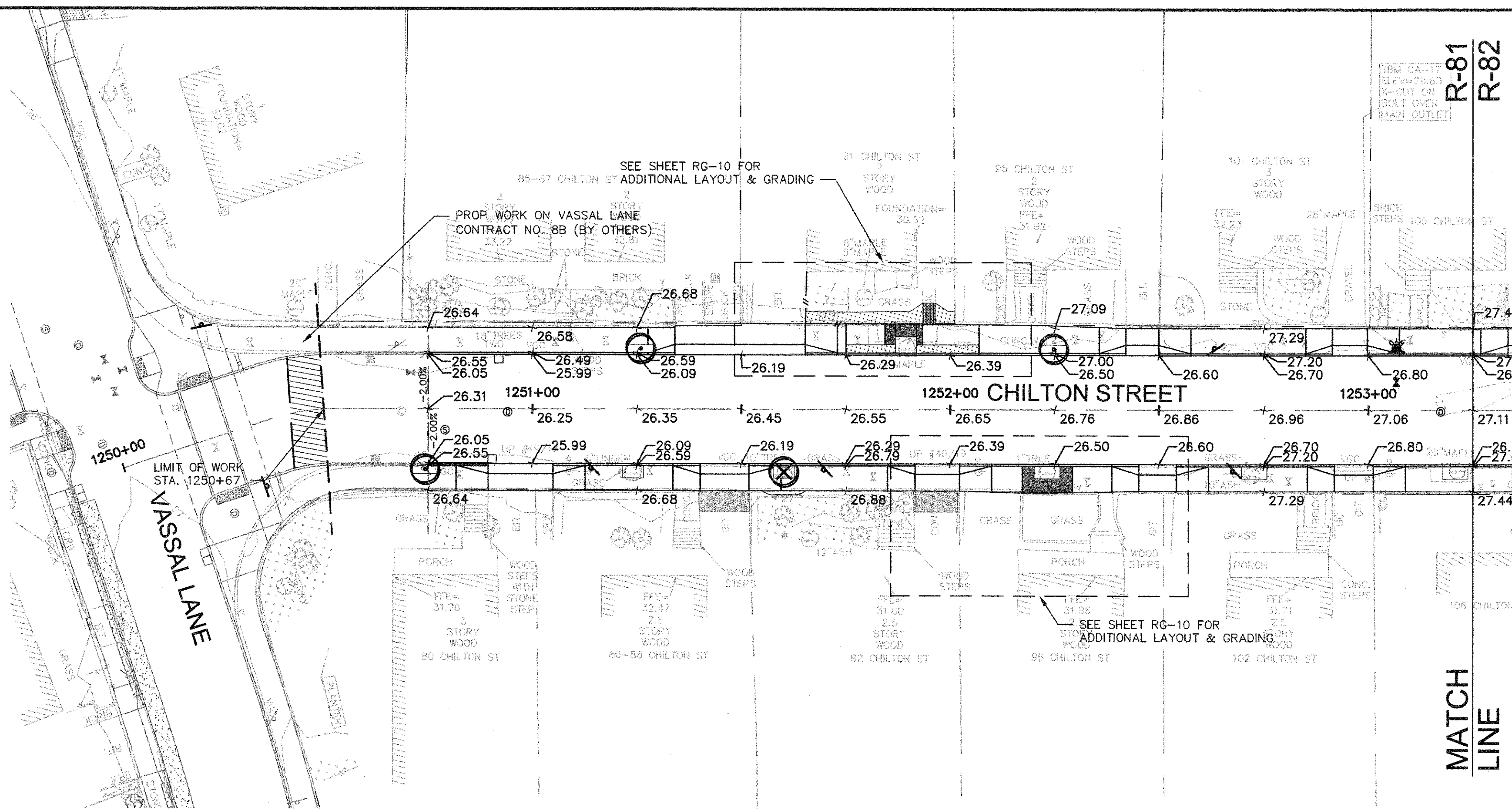


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



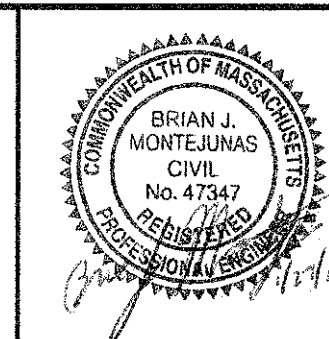
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN CHILTON STREET STA 1256+33 TO 1260+48

Sheet	R-80
File No.	6228

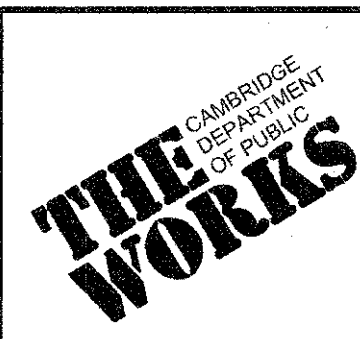


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA\2012\256-D1-A-Concord AVE (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_ChiltonS.dwg
 LAYOUT: Grading - ChiltonS11 PLOTTED: 2/19/2014 9:19 AM BY: Kyle Langolis



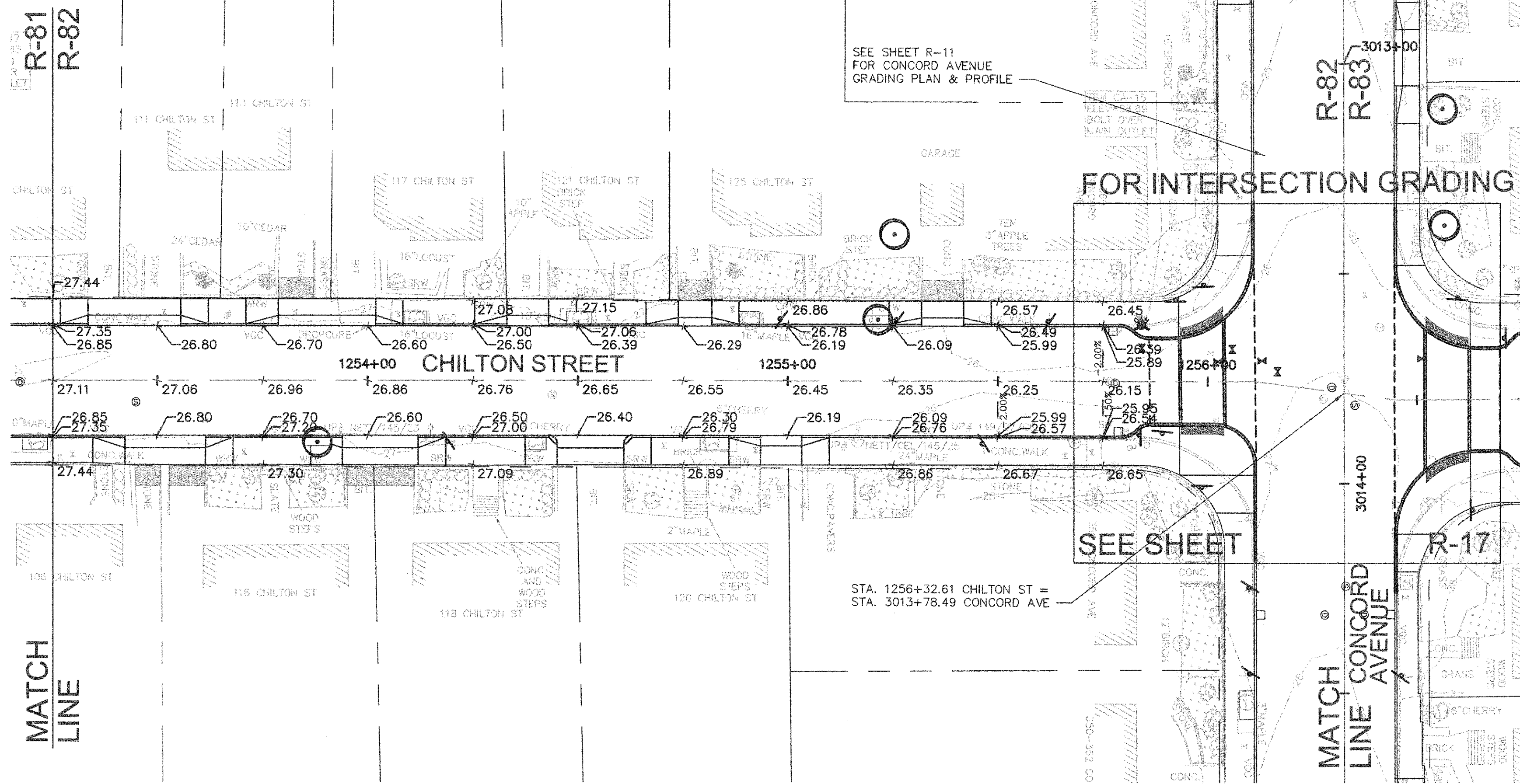
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CHILTON STREET STA 1250+75 TO 1253+25

Sheet
R-81

File No.
6228

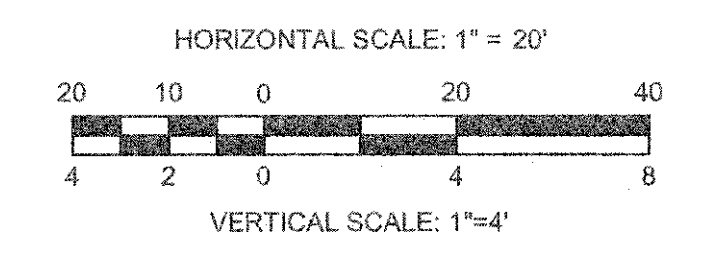
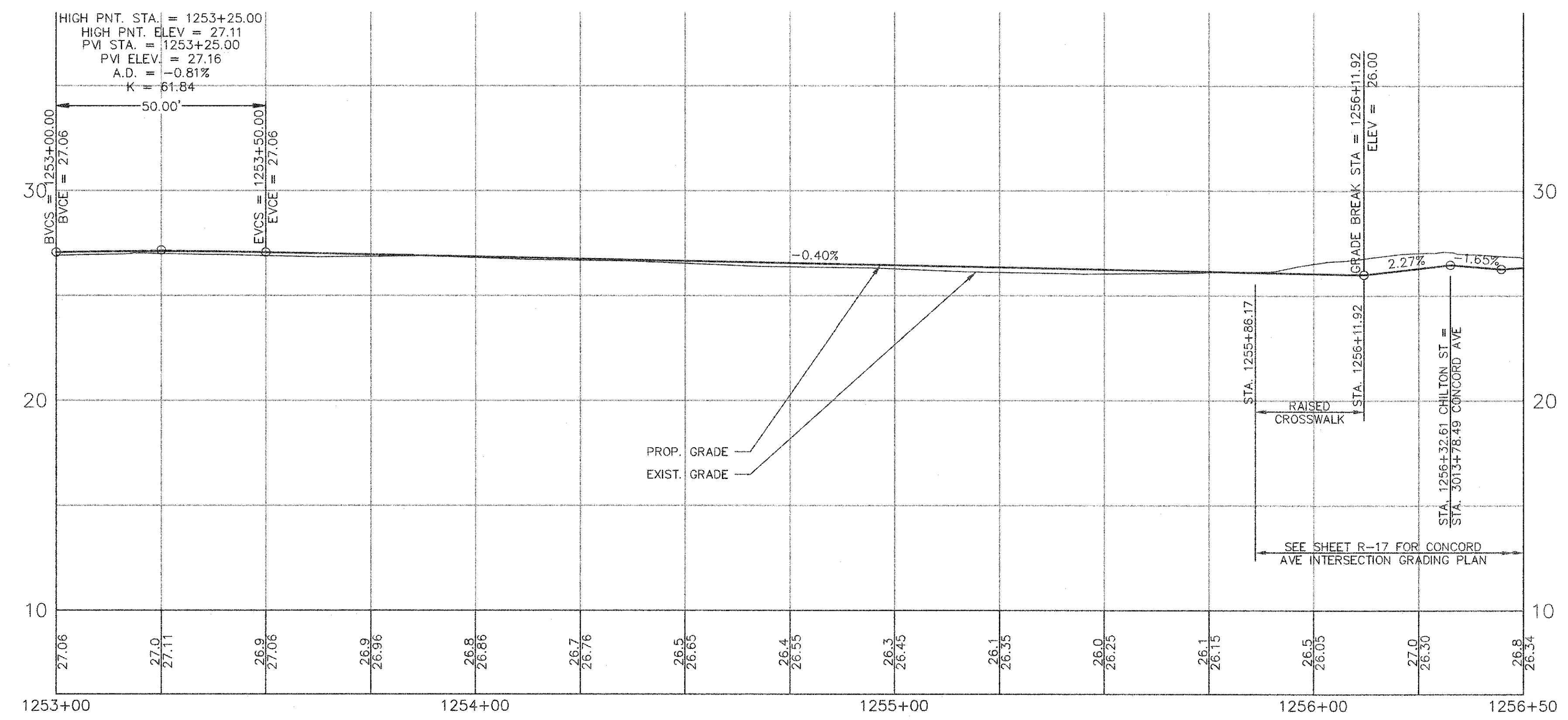
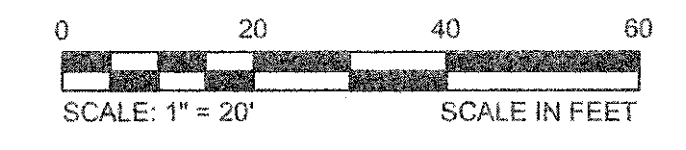


SEE SHEET R-11
FOR CONCORD AVENUE
GRADING PLAN & PROFILE

FOR INTERSECTION GRADING

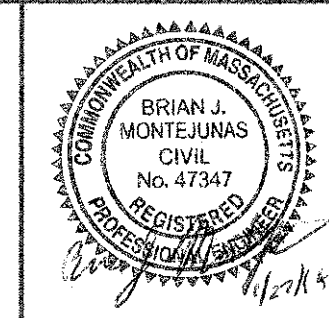
SEE SHEET

STA. 1256+32.61 CHILTON ST =
STA. 3013+78.49 CONCORD AVE

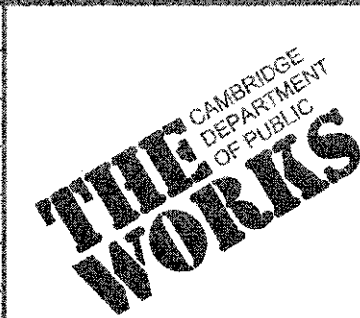


CAD FILE: G:_Interns\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_ChiltonSt.dwg LAYOUT: Grading - ChiltonSt2 PLOTTED: 2/12/2014 8:00 AM BY: lym laughton

CONFORMED SET

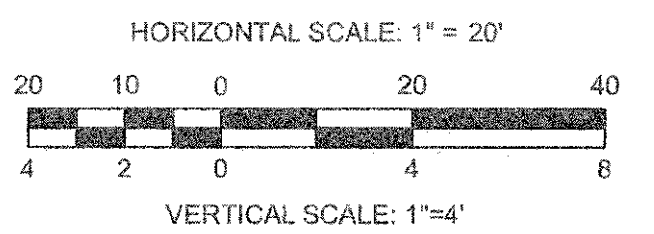
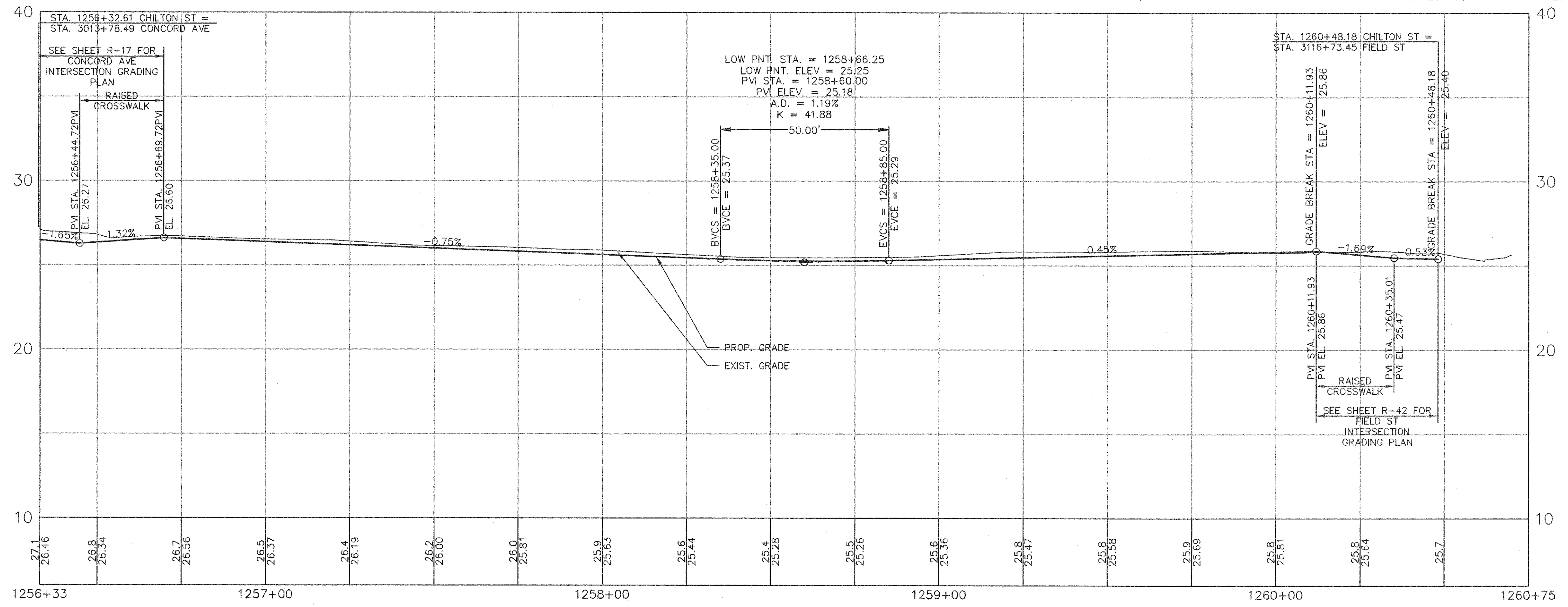
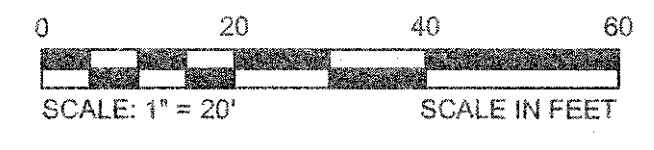
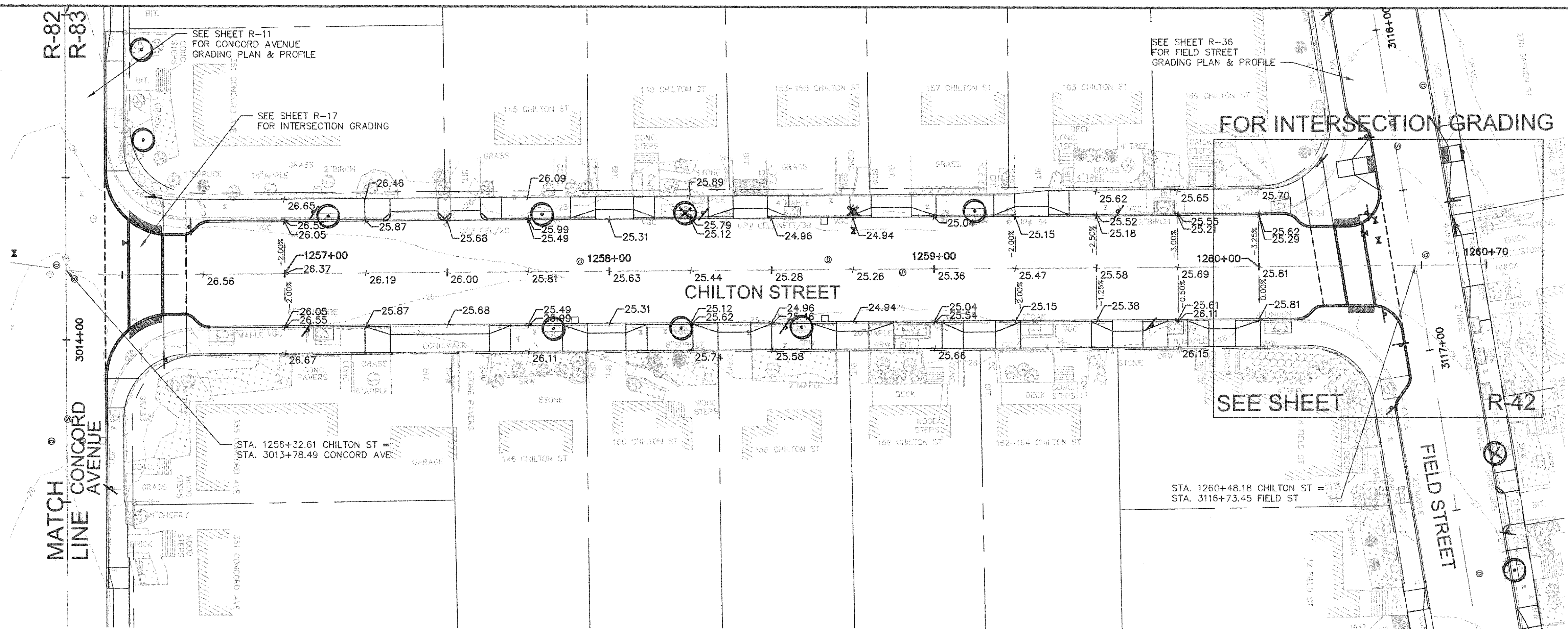


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



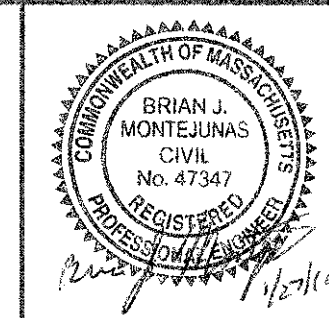
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CHILTON STREET STA 1253+25 TO 1256+33

Sheet	R-82
File No.	6228

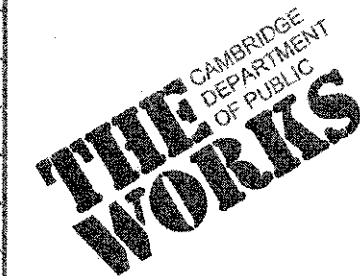


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA\201226\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_ChiltonSt.dwg LAYOUT: Grading - ChiltonSt 3 PLOTTED: 2/12/2014 8:01 AM BY: kyle langhins

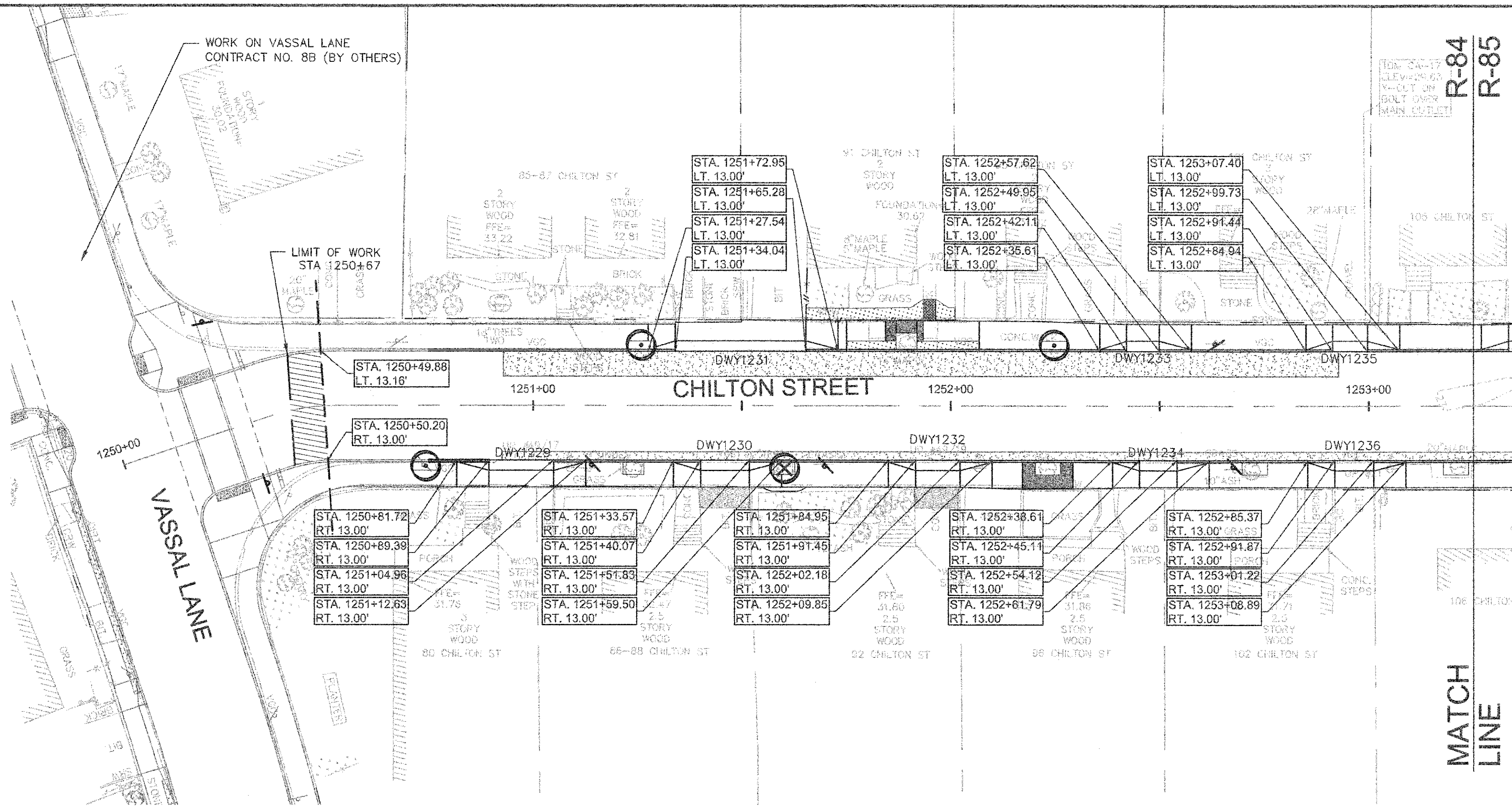


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120258.001A
Designed by	TALJRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



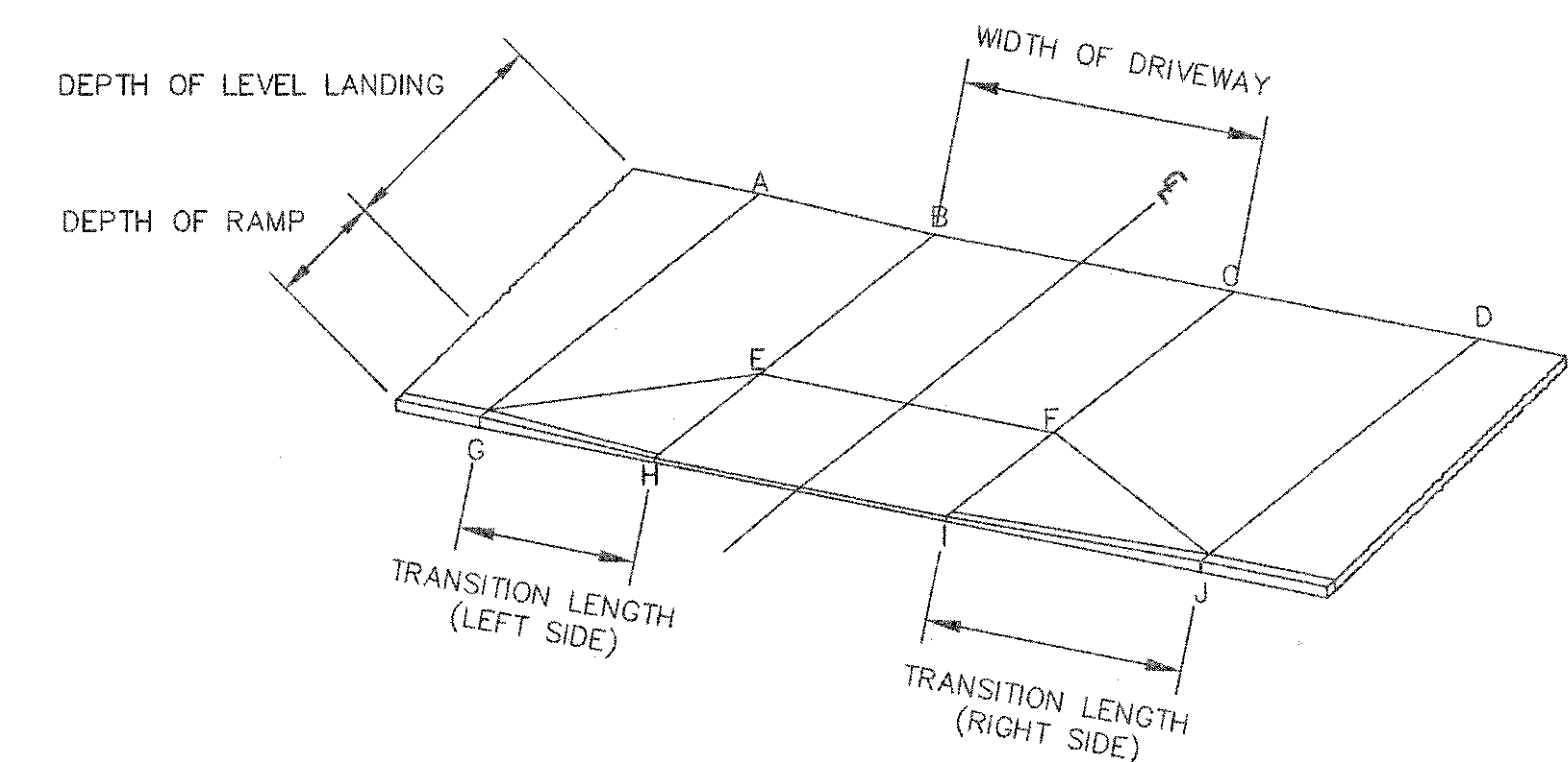
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE CHILTON STREET STA 1256+33 TO 1260+48

Sheet	R-83
File No.	6228

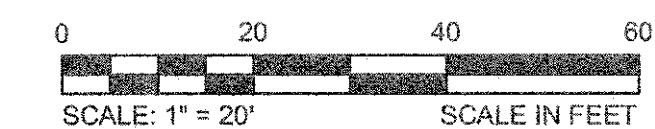


CHILTON STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
1229	2.50	2.50	4.00	4.00	15.57	7.67	7.67	26.62	26.52	26.51	26.63	26.46	26.47	26.54	26.04	26.01	26.02	26.54	26.04
1230	2.50	2.50	4.00	4.00	11.76	7.67	6.50	26.82	26.71	26.66	26.67	26.65	26.60	26.73	26.23	26.20	26.15	26.63	26.13
1231	2.50	2.50	4.00	4.00	31.24	6.50	7.67	26.69	26.64	26.74	26.87	26.58	26.68	26.60	26.10	26.13	26.25	26.79	26.29
1232	2.50	2.50	4.00	4.00	10.73	7.67	6.50	27.03	26.75	26.70	26.87	26.68	26.64	26.93	26.43	26.40	26.36	26.83	26.33
1233	2.50	2.50	4.00	4.00	7.84	6.50	7.67	27.08	26.96	27.01	27.17	26.90	26.95	27.04	26.54	26.57	26.60	27.13	26.63
1234	2.50	2.50	4.00	4.00	9.01	7.67	6.50	27.22	27.12	27.09	27.13	27.06	27.03	27.14	26.64	26.61	26.58	27.05	26.55
1235	2.50	2.50	4.00	4.00	8.29	6.50	7.67	27.32	27.19	27.22	27.35	27.13	27.16	27.24	26.74	26.76	26.80	27.31	26.81
1236	2.50	2.50	4.00	4.00	9.35	7.67	6.50	27.36	27.13	27.21	27.28	27.07	27.15	27.32	26.82	26.80	26.77	27.24	26.74

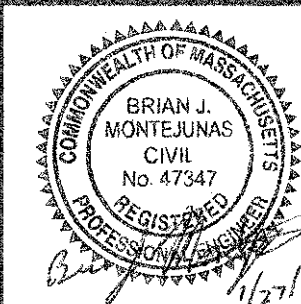


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

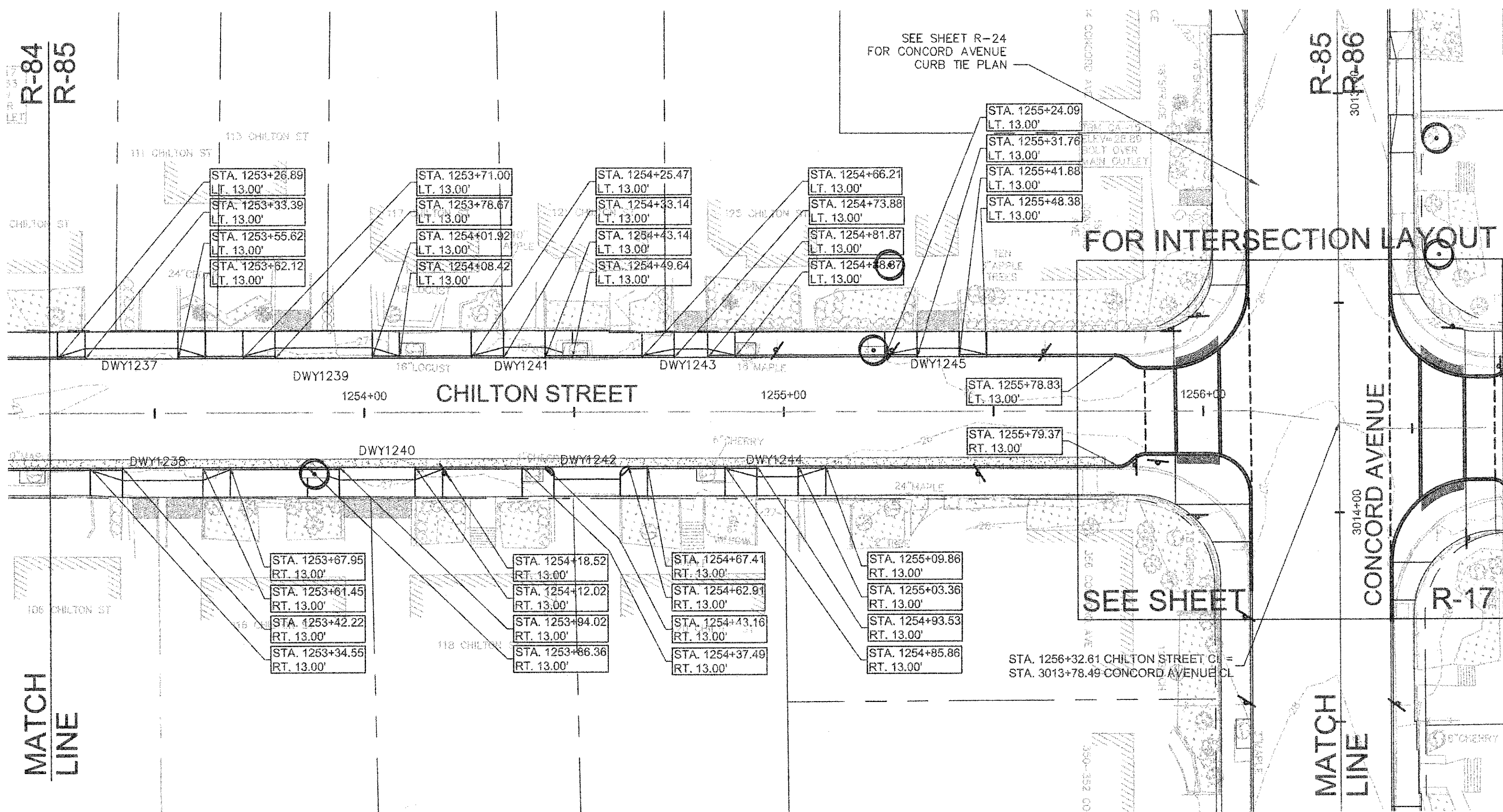
CAD FILE: G:\clients\cambridge\MA2012256\1-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_Plan\ChiltonSt.dwg LAYOUT: CurbTie - ChiltonSt.dwg PLOTTED: 2/11/2014 9:45 AM BY: hyl.largias



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

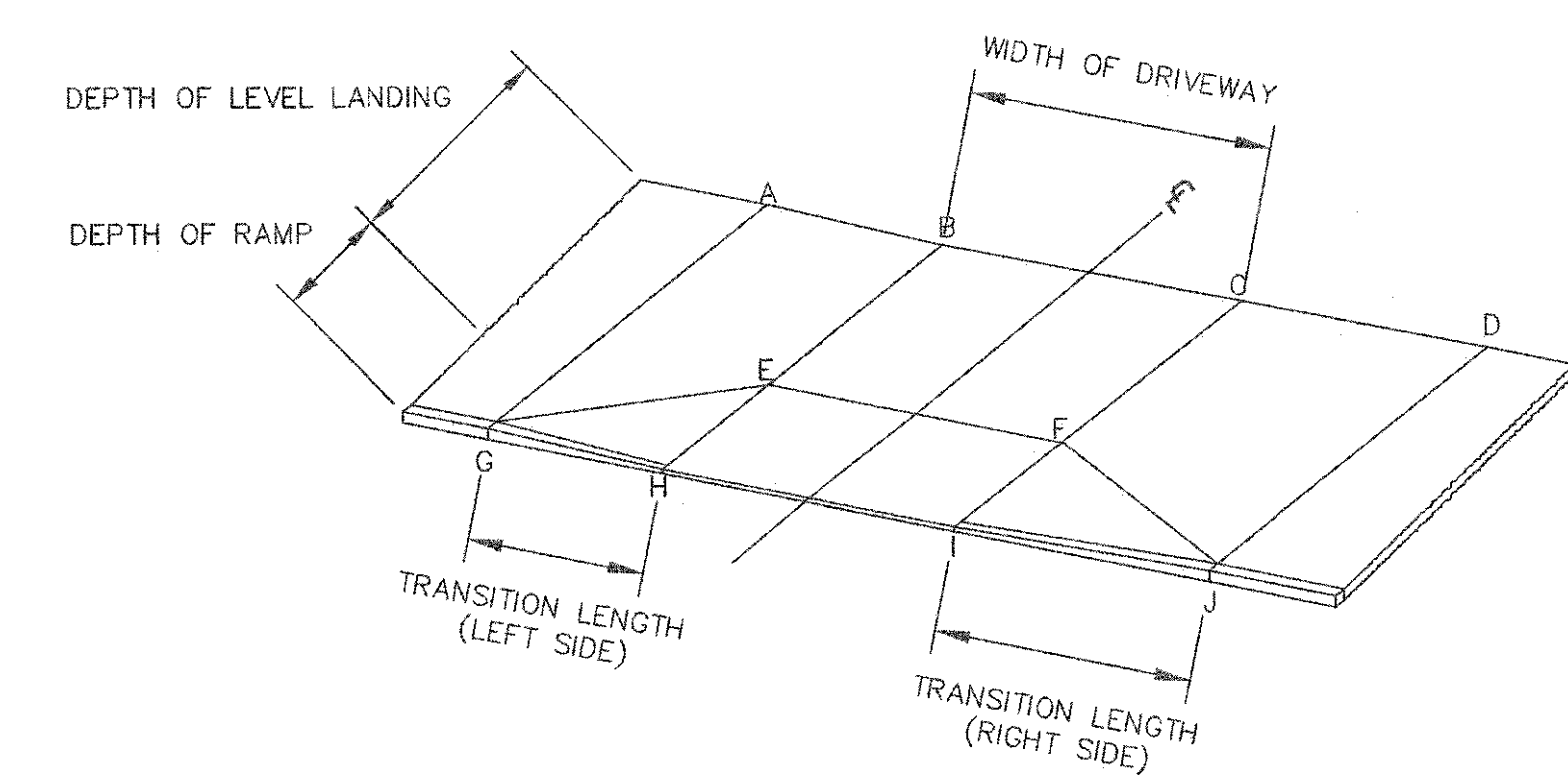


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-84
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN CHILTON STREET STA 1250+75 TO 1253+25		

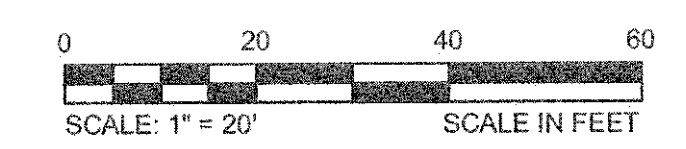


CHILTON STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
1237	2.50	2.50	4.00	4.00	22.23	6.50	6.50	27.39	27.31	27.25	27.34	27.25	27.19	27.35	26.85	26.84	26.78	27.25	26.75
1238	3.00	3.00	4.00	4.00	19.21	6.50	7.67	27.32	27.13	27.20	27.38	27.06	27.13	27.23	26.73	26.75	26.82	27.34	26.84
1239	2.50	2.50	4.00	4.00	23.25	7.67	6.50	27.30	27.19	27.09	27.14	27.13	27.03	27.21	26.71	26.68	26.59	27.06	26.56
1240	3.00	3.00	4.00	4.00	18.00	6.50	7.67	27.12	27.14	27.18	27.20	27.07	27.11	27.03	26.53	26.55	26.59	27.12	26.62
1241	2.50	2.50	4.00	4.00	10.00	7.67	6.50	27.08	26.97	26.94	27.15	26.91	26.88	26.99	26.49	26.46	26.43	27.06	26.39
1242	3.00	3.00	4.00	4.00	15.75	6.50	7.67	26.91	26.94	26.95	27.04	26.87	26.93	26.82	26.32	26.35	26.41	26.95	26.45
1243	2.00	2.00	4.00	4.00	7.99	7.67	6.50	27.07	26.74	26.71	26.83	26.67	26.64	27.00	26.33	26.30	26.27	26.74	26.24
1244	2.50	2.50	4.50	4.50	9.83	6.50	7.67	26.70	26.69	26.73	26.84	26.63	26.67	26.70	26.15	26.18	26.22	26.75	26.25
1245	2.00	2.00	4.00	4.00	10.11	7.67	6.50	26.85	26.50	26.47	26.59	26.43	26.40	26.76	26.10	26.06	26.02	26.50	26.00

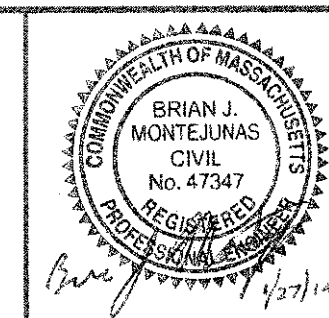


TYPICAL RAMP LEGEND
SCALE: N.T.S.

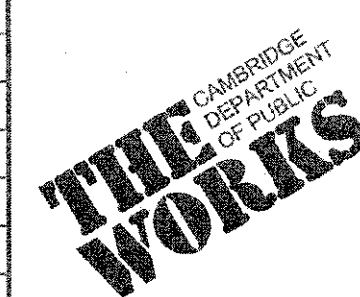


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA\2012256.01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\Curb Tie Plan.dwg
 LAYOUT: CurbTie - ChiltonSt.dwg
 PLOTTED: 2/11/2014 8:45 AM BY: lyle.lampie

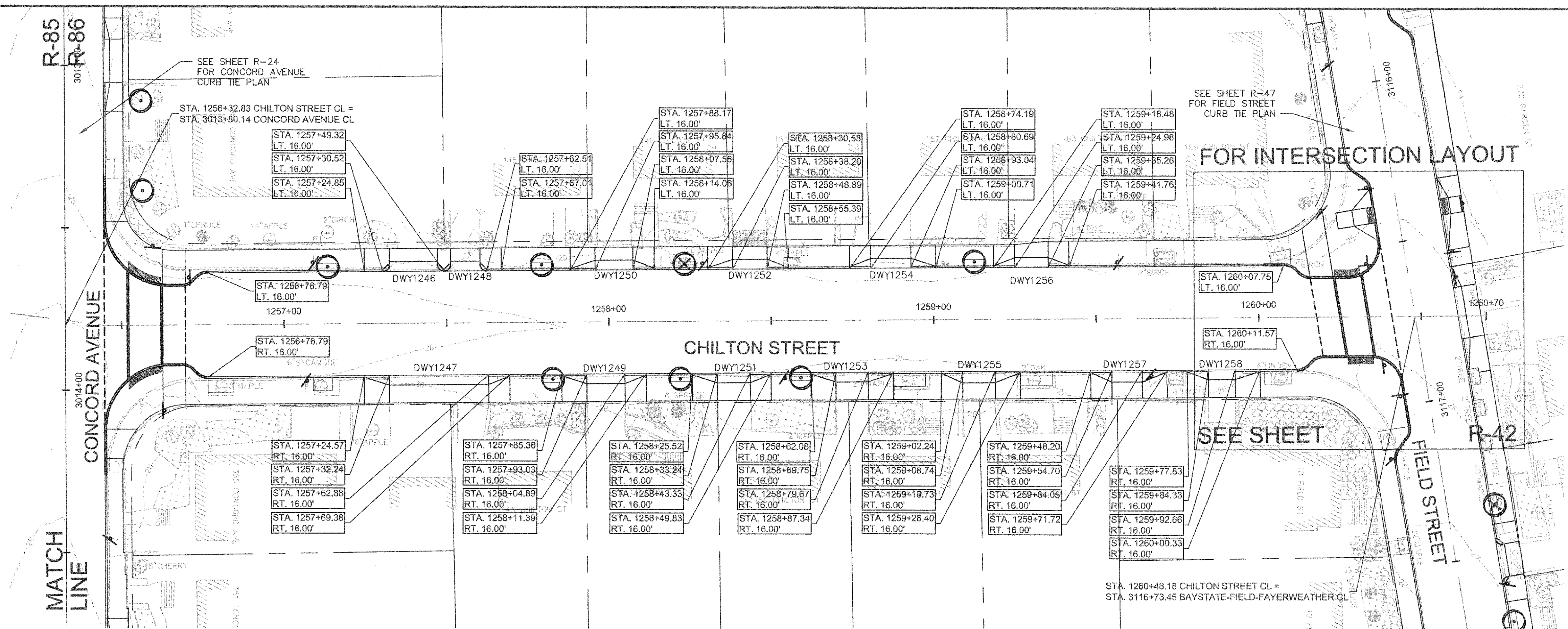


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



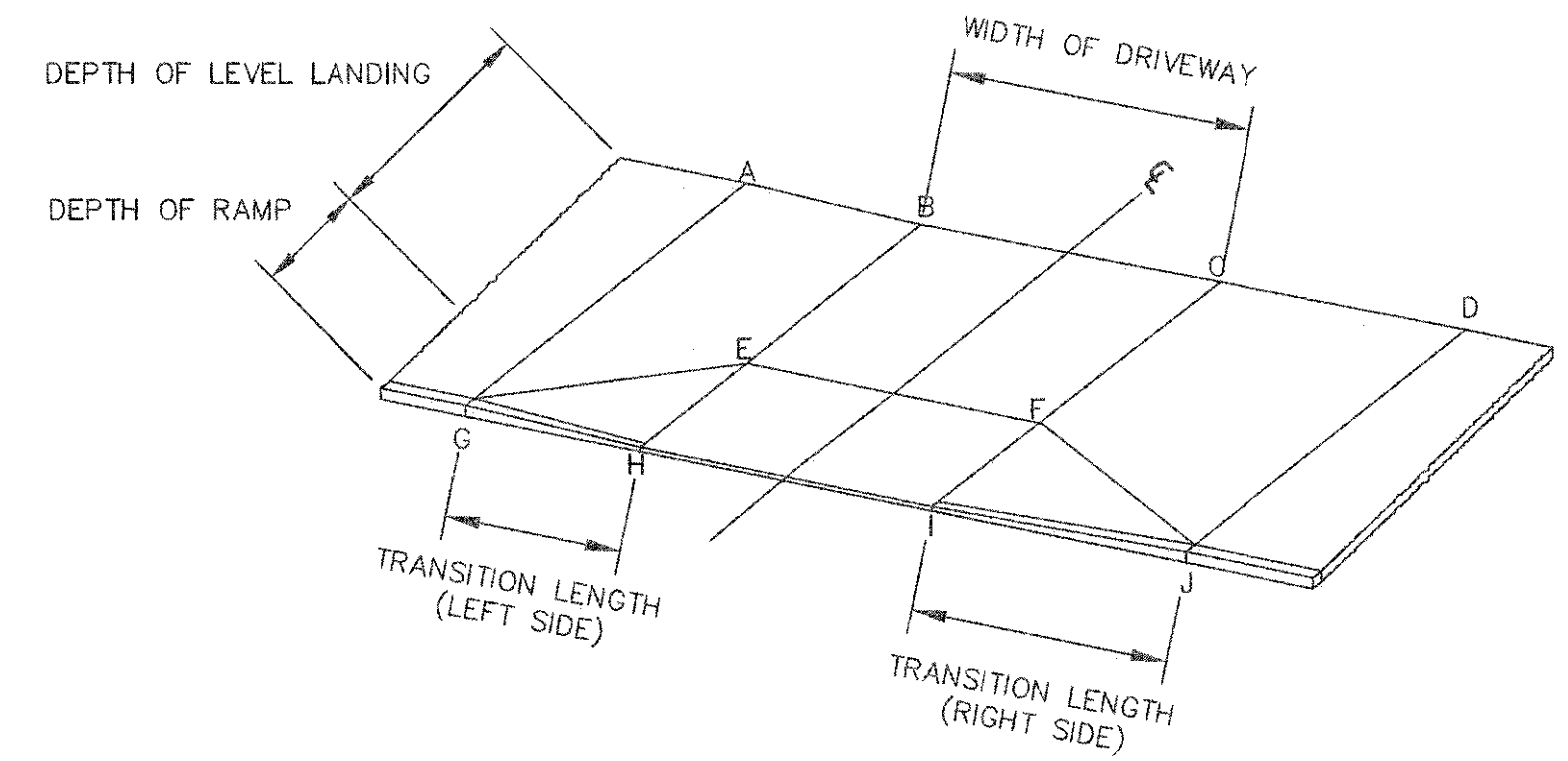
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CHILTON STREET STA 1253+25 TO 1256+33

Sheet	R-85
File No.	6228



CHILTON STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
1246	3.00	3.00	4.00	4.00	14.80	7.67	-	26.45	26.30	26.18	-	26.24	26.12	26.37	25.87	25.81	25.70	-	-
1247	3.00	3.00	5.50	5.50	30.63	6.50	7.67	26.08	25.96	26.42	26.46	25.90	26.34	26.04	25.54	25.59	25.81	26.37	25.87
1248	3.00	3.00	4.00	4.00	9.19	-	6.50	-	26.12	26.02	26.14	26.06	25.96	-	-	25.67	25.60	26.06	25.56
1249	3.00	3.00	5.50	5.50	11.86	6.50	7.67	25.82	25.80	25.94	26.00	25.72	25.86	25.72	25.22	25.27	25.36	25.92	25.42
1250	3.00	3.00	4.00	4.00	11.72	7.67	6.50	26.00	25.93	25.84	26.00	25.87	25.78	25.90	25.40	25.34	25.25	25.87	25.20
1251	3.00	3.00	5.50	5.50	10.14	6.50	7.67	25.58	25.50	25.64	25.73	25.42	25.56	25.46	24.96	24.99	25.06	25.62	25.12
1252	3.00	3.00	4.00	4.00	10.69	7.67	6.50	25.87	25.62	25.56	25.56	25.56	25.50	25.74	25.08	25.03	24.97	25.46	24.96
1253	3.00	3.00	5.50	5.50	9.92	7.67	7.67	25.60	25.53	25.50	25.57	25.45	25.42	25.48	24.98	24.96	24.94	25.45	24.95
1254	3.00	3.00	4.00	4.00	12.35	6.50	7.67	25.42	25.42	25.48	25.62	25.36	25.42	25.40	24.94	24.96	25.01	25.54	25.04
1255	3.50	3.50	5.00	5.00	9.98	7.67	6.50	25.98	25.73	25.69	25.67	25.65	25.61	25.82	25.16	25.12	25.08	25.55	25.05
1256	3.00	3.00	4.00	5.00	10.30	6.50	7.67	25.66	25.56	25.50	25.53	25.50	25.44	25.62	25.12	25.15	25.16	25.50	25.17
1257	3.50	3.50	5.00	5.00	9.35	7.67	6.50	26.12	26.03	25.92	26.05	25.95	25.84	26.08	25.58	25.51	25.42	26.02	25.36
1258	3.00	3.00	5.50	5.50	8.32	7.67	6.50	26.39	26.12	26.06	26.12	26.04	25.98	26.30	25.80	25.75	25.68	25.96	25.63

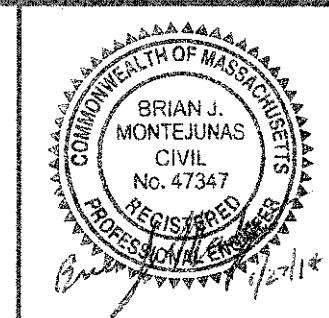


TYPICAL RAMP LEGEND
SCALE: N.T.S.

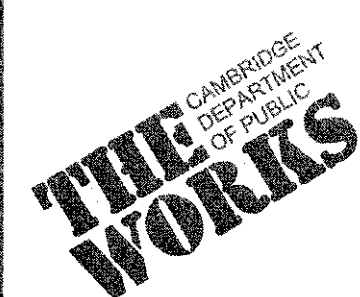


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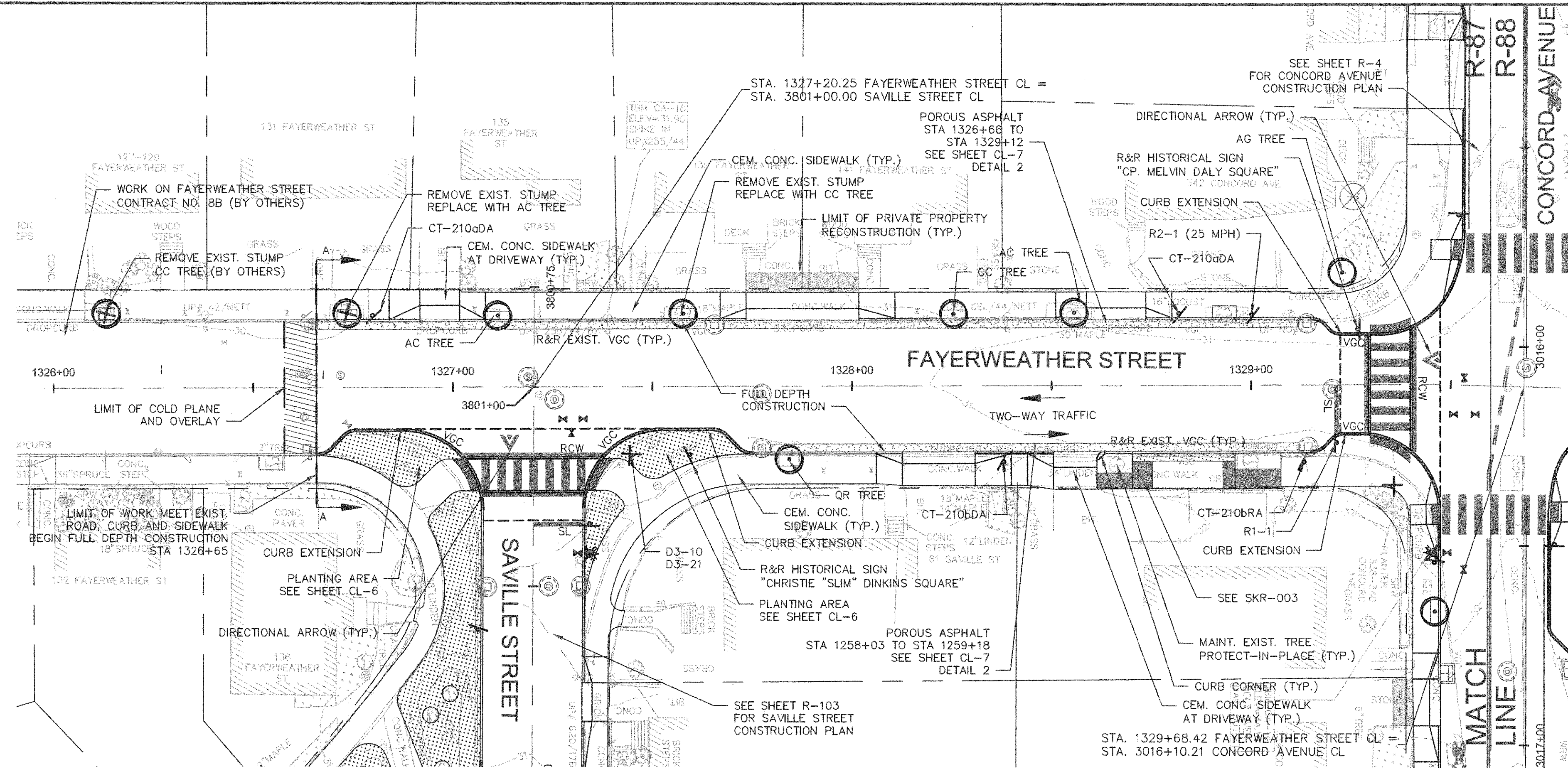
CAD FILE: G:\Users\Cambridge\My Documents\Drawings\Sub The Plan\CurbTie_Chibtas\DWG LAYOUT: CurbTie - ChiltonS3 - PLOTTED: 2/11/2014 9:46 AM BY: blye@imgis.com



Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FRM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM
No.	
Description	
Date	
REVISIONS	

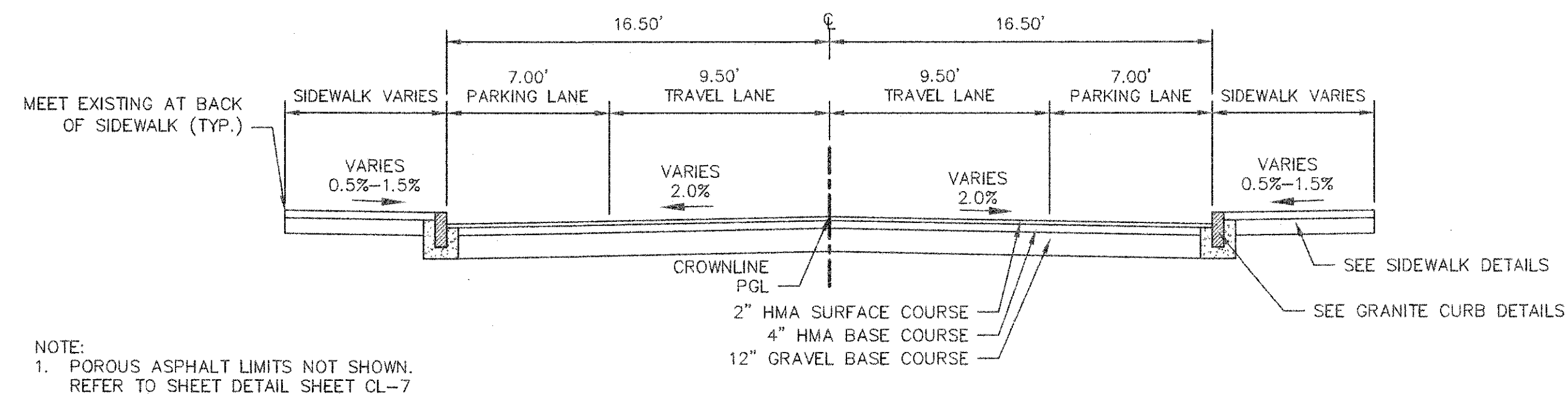


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN CHILTON STREET STA 1256+33 TO 1260+48
Sheet	R-86
File No.	6228



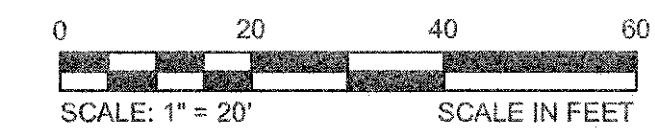
NOTES:

1. WORK IN FAYERWEATHER STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



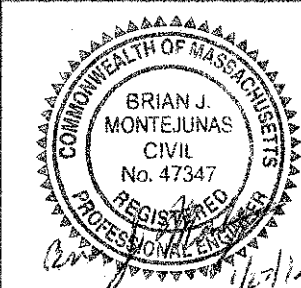
NOTE:
1. POROUS ASPHALT LIMITS NOT SHOWN. REFER TO SHEET DETAIL SHEET CL-7

A TYPICAL SECTION
R-87 SCALE: 1"=5'

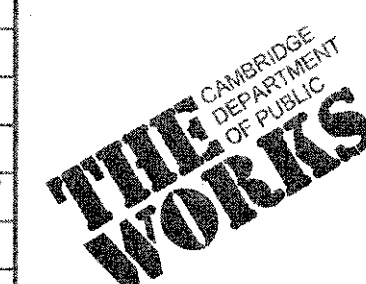


CONFORMED SET

CAD FILE: G:\client\Cambridge MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Construction\Plan\Construction_FayerweatherSt.dwg LAYOUT: Conman10 - FayerweatherSt.dwg PLOTTED: 2/11/2014 4:03 PM BY: Ilye England

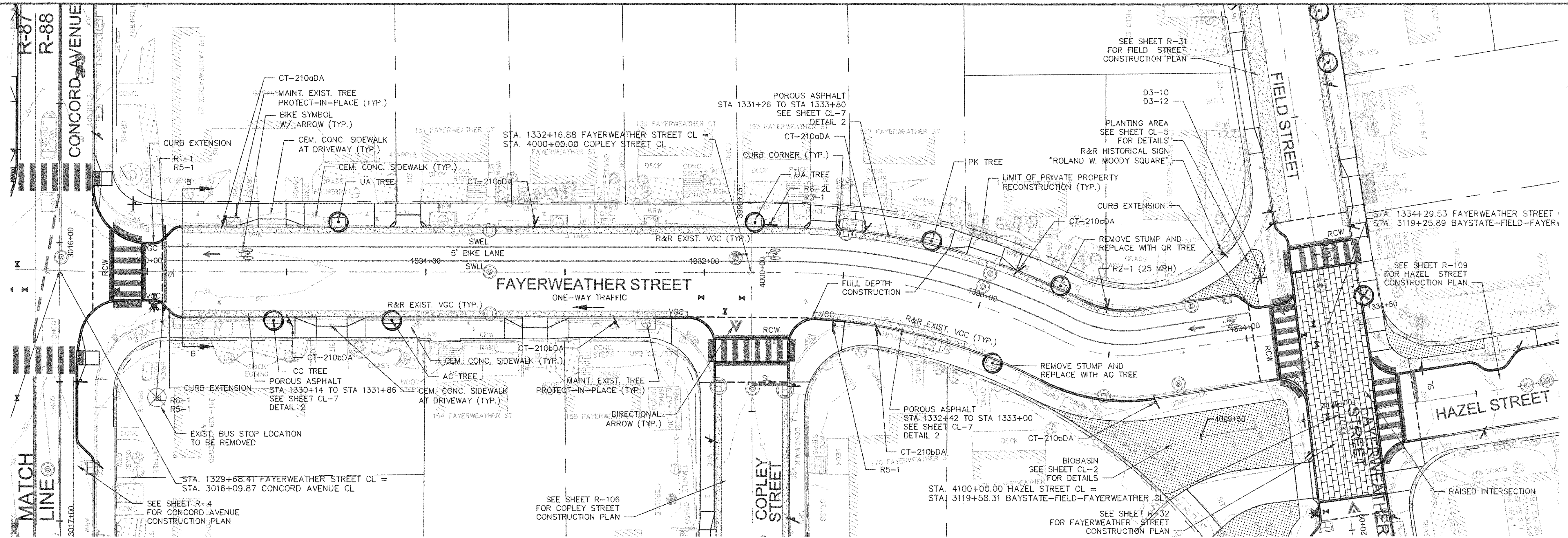


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FNM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/JJR	No.	Description
Approved by	BJM		REVISIONS



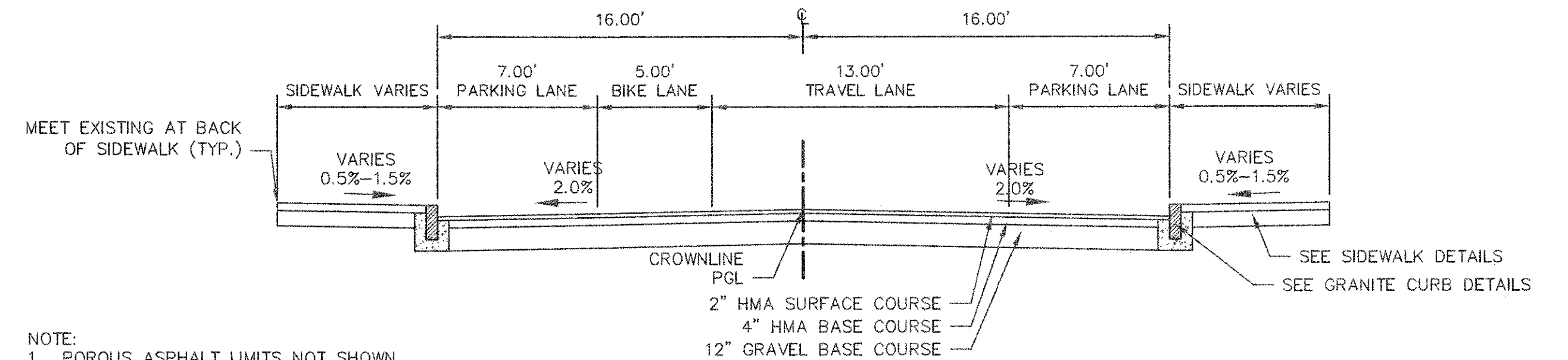
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN FAYERWEATHER STREET STA 1326+65 TO 1329+60

Sheet	R-87
File No.	6228

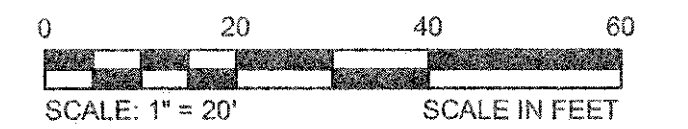


NOTES:

1. WORK IN FAYERWEATHER STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).

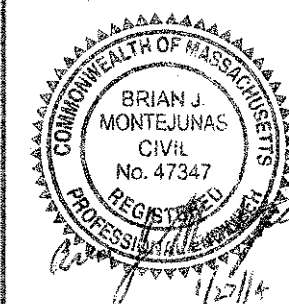


B TYPICAL SECTION
R-88 SCALE: 1"=5'

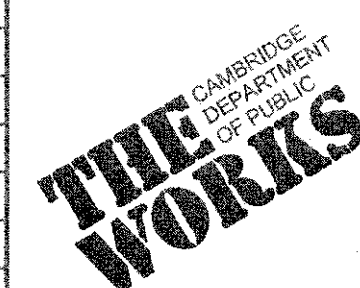


CONFORMED SET

CAD FILE: G:_client\Cambridge MA\3012265-01-A - Concord Ave (Contract 9)\Drawings\CHM\Production\Drawings\Construction\FayerweatherS12 - PLOTTED: 2/11/2014 4:04 PM BY: kyle langlois

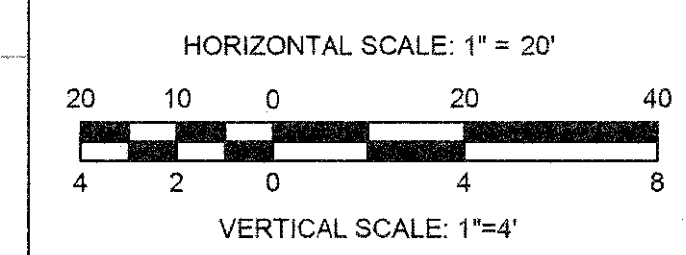
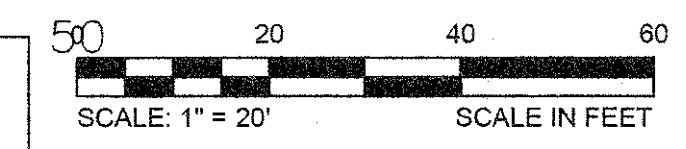
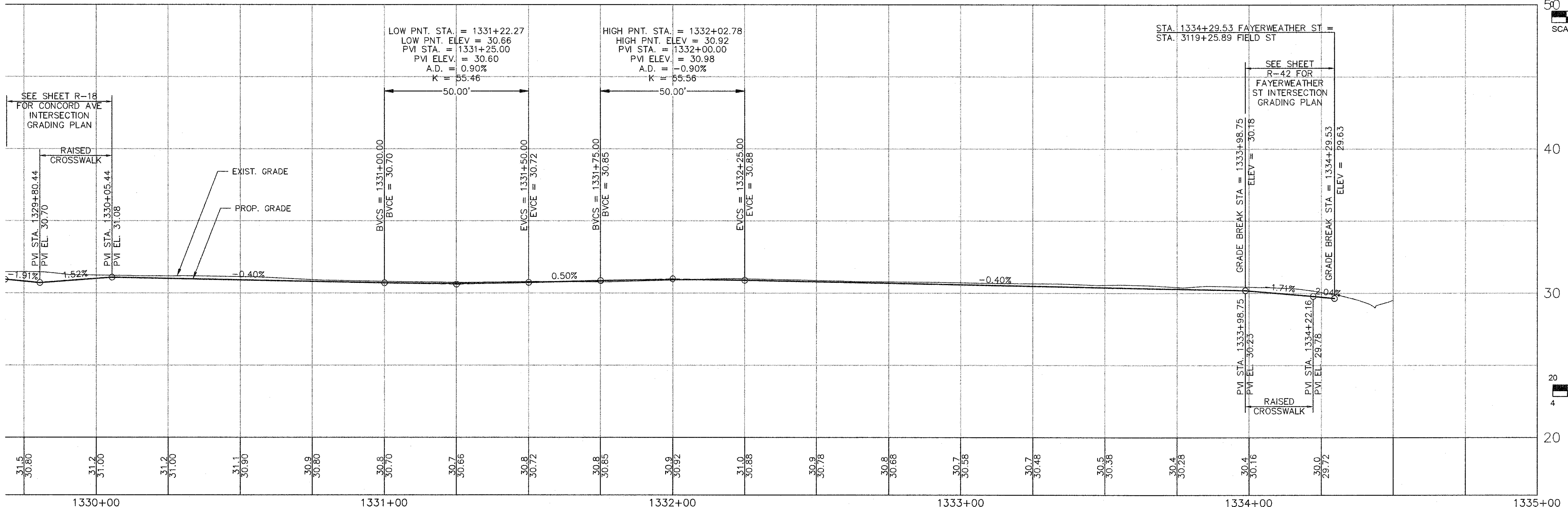
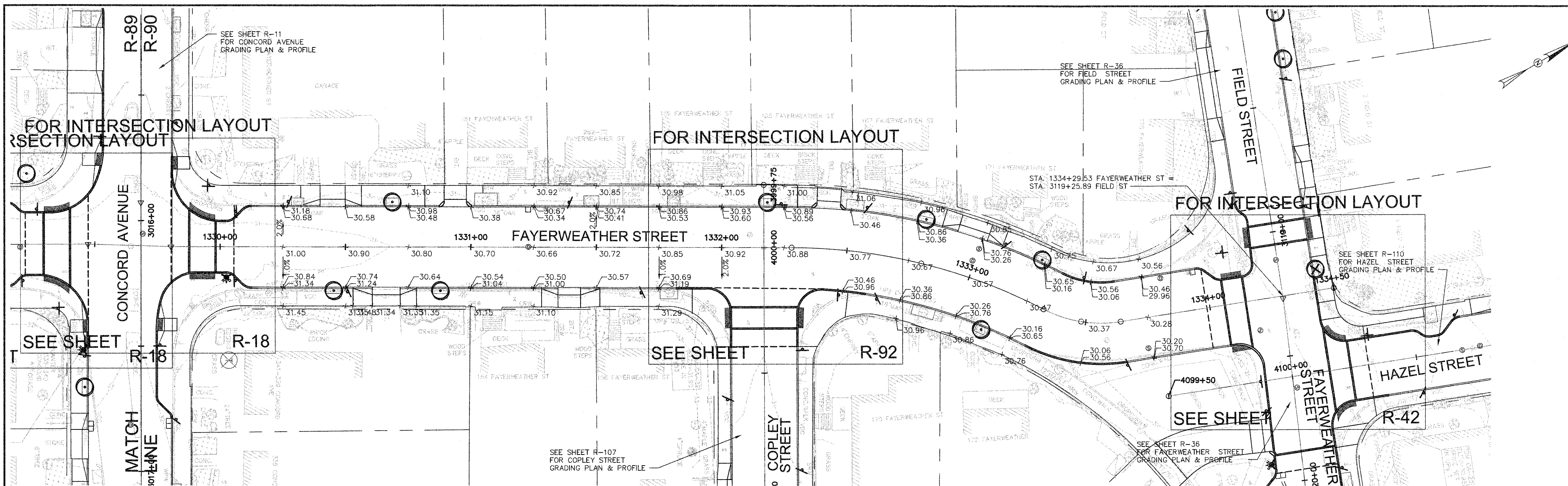


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/MM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



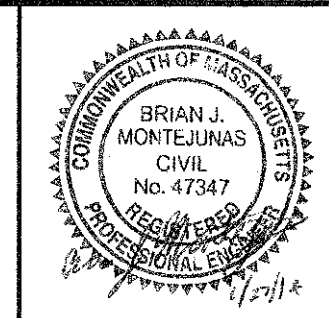
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN FAYERWEATHER STREET STA 1329+60 TO 1334+30

Sheet	R-88
File No.	6228

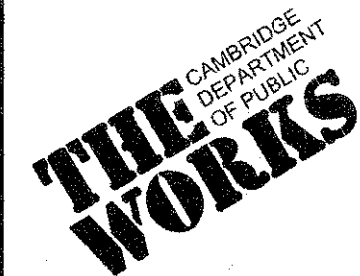


CONFORMED SET

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 BY: travis lica 10/27/2013 8:01 PM



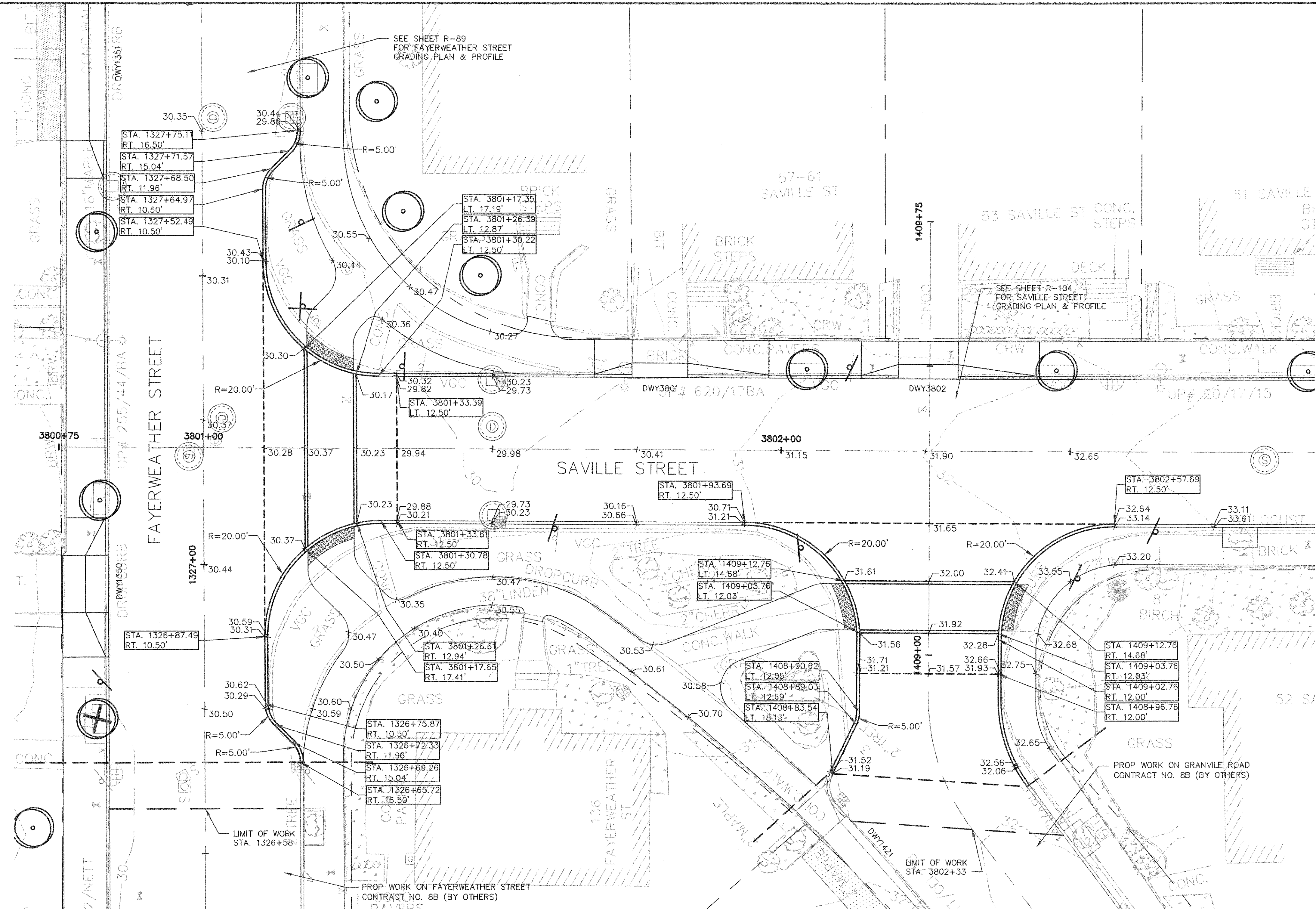
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Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



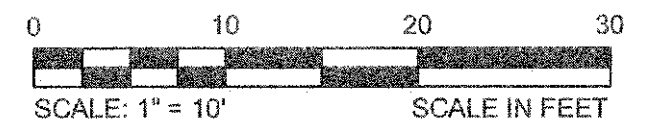
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE FAYERWEATHER STREET STA 1329+60 TO 1334+30

Sheet	R-90
File No.	

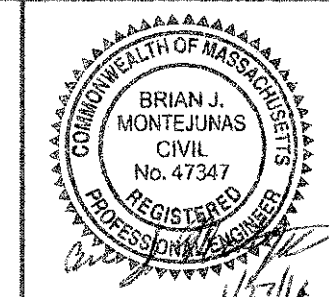
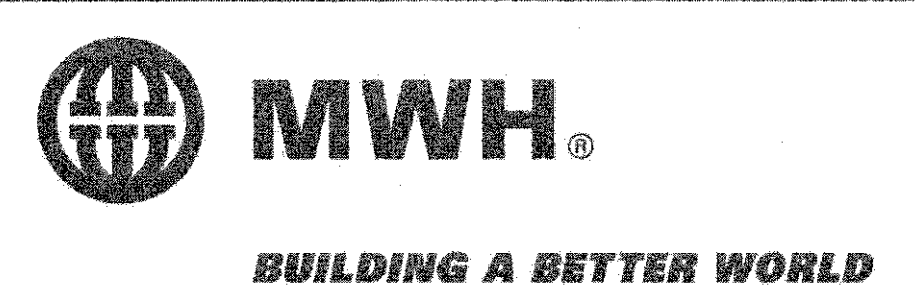
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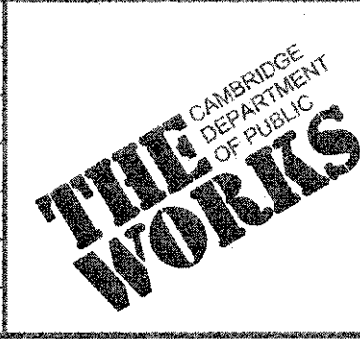
FAYERWEATHER ST, SAVILLE ST & GRANVILLE RD PLAN
SCALE: 1" = 10'



CONFORMED SET

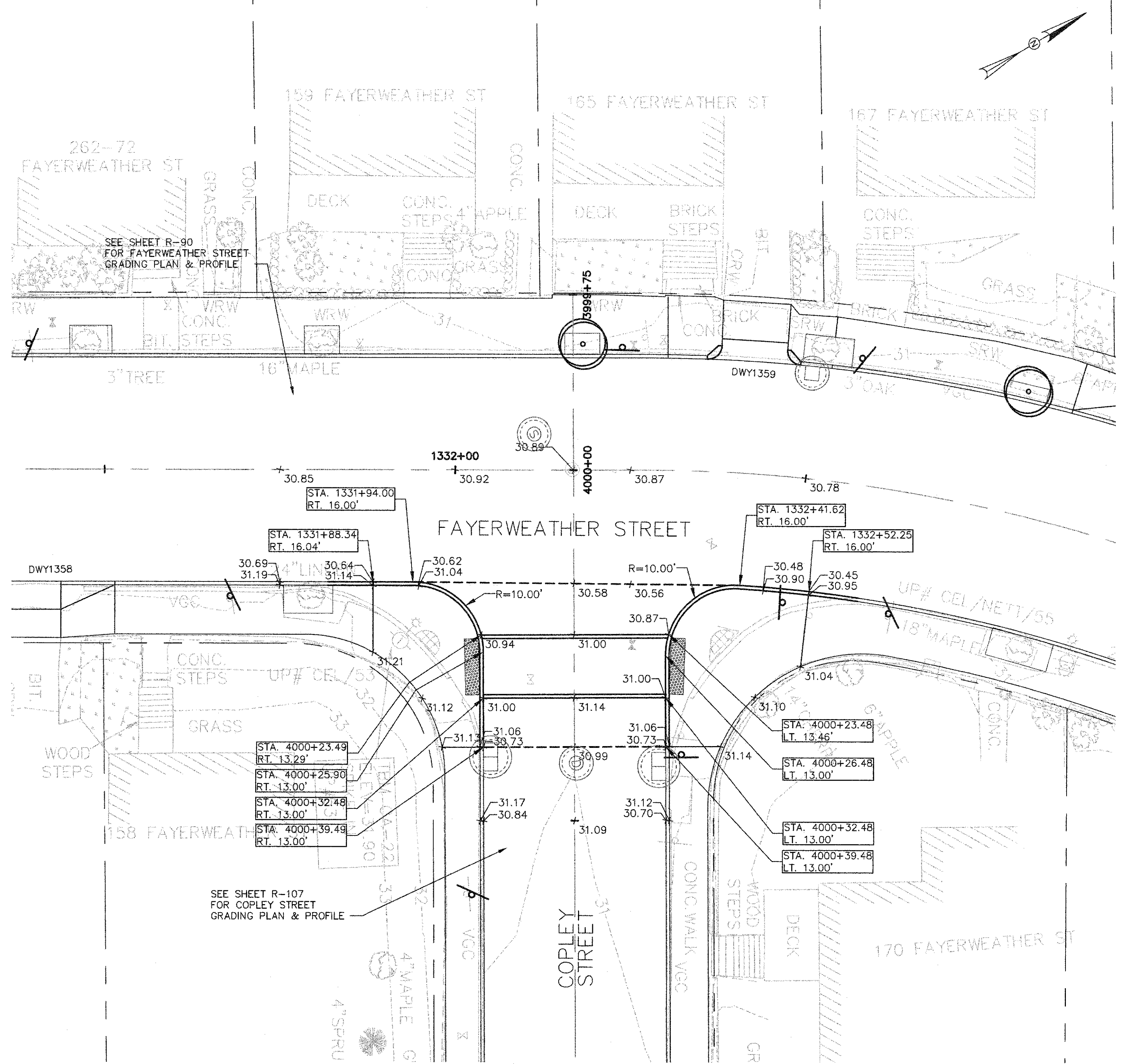


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FAYERWEATHER STREET & SAVILLE STREET 1 OF 2

Sheet	R-91
File No.	6228

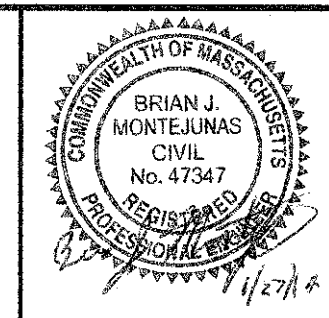


FAYERWEATHER ST & COPLEY ST PLAN
SCALE: 1" = 10'

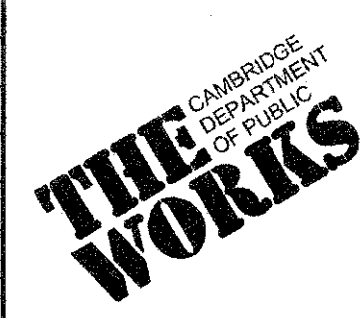


CONFORMED SET

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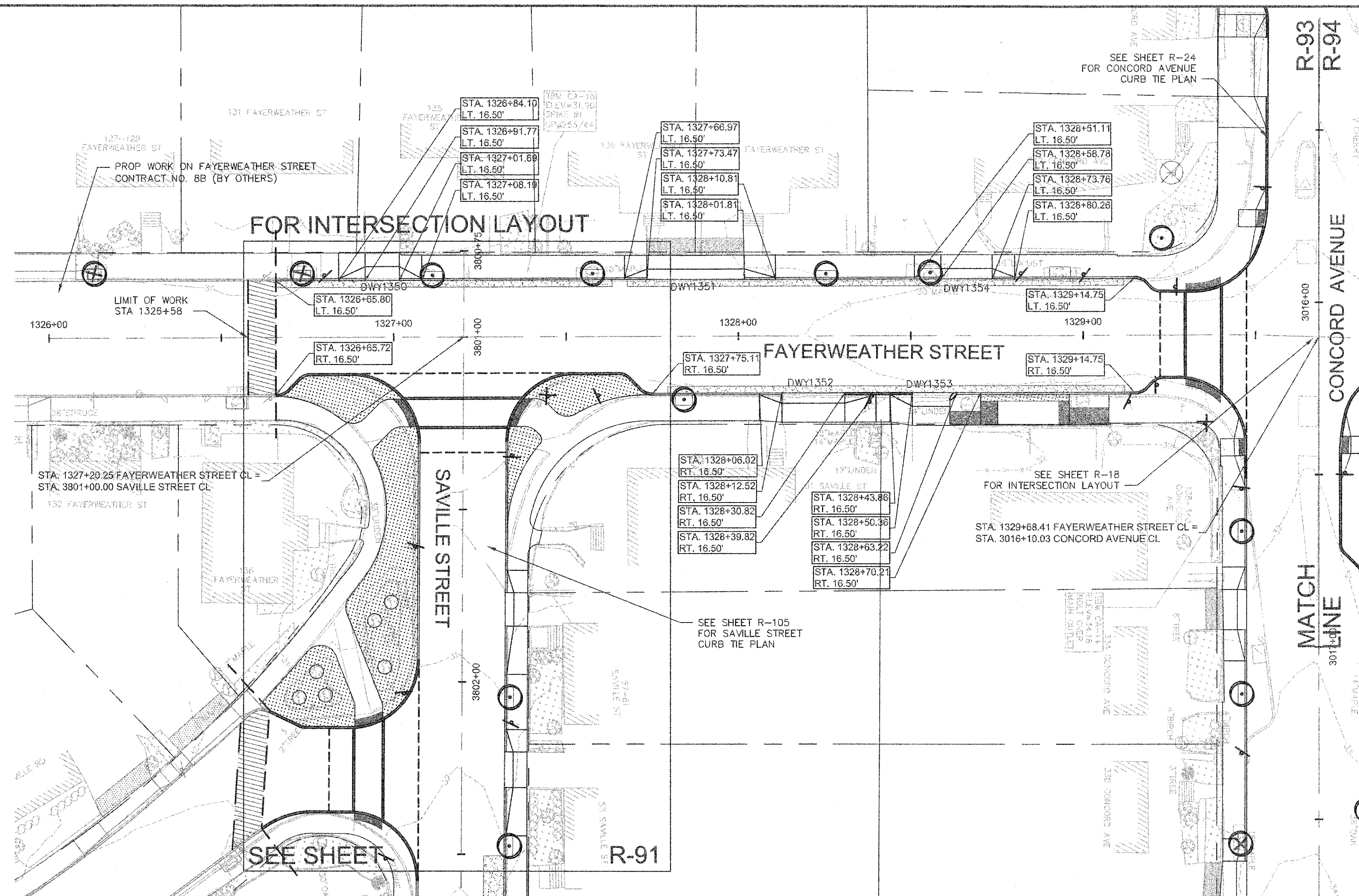


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



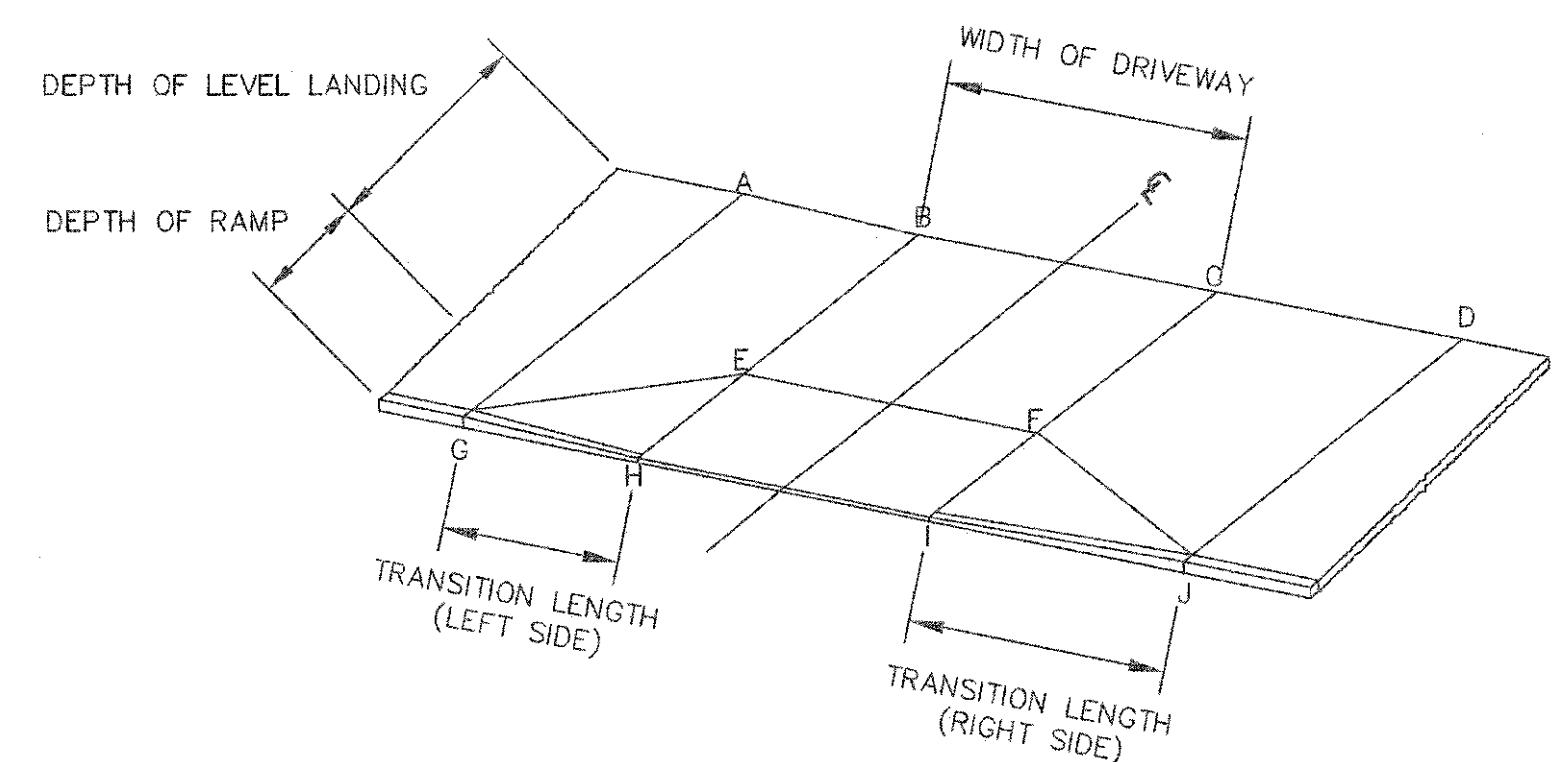
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN FAYERWEATHER STREET 2 OF 2

Sheet	R-92
File No.	6228



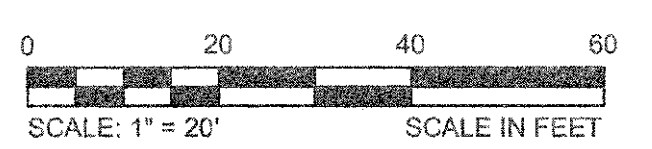
FAYERWEATHER STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE												
								A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
1350	4.00	4.00	4.00	4.00	9.92	7.67	6.50	30.75	30.82	30.84	30.84	30.76	30.77	30.65	30.15	30.13	30.10	30.74	30.08
1351	3.00	3.00	4.00	4.00	28.34	6.50	9.00	30.80	30.61	30.89	31.03	30.55	30.83	30.67	30.01	30.02	30.30	30.93	30.43
1352	3.00	3.00	5.50	5.50	18.30	9.00	6.50	31.13	30.85	30.73	30.72	30.83	30.66	31.08	30.75	30.67	30.40	30.70	30.29
1353	4.00	4.00	5.50	5.50	10.86	9.00	6.50	32.17	31.50	31.40	31.24	31.41	31.37	31.48	30.81	30.85	30.84	31.08	30.75
1354	3.00	3.00	4.00	4.00	14.98	7.67	6.50	31.40	31.37	31.34	31.36	31.31	31.28	31.34	30.84	30.85	30.81	31.26	30.76



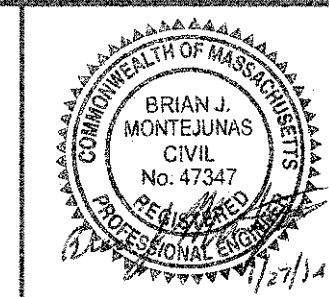
TYPICAL RAMP LEGEND

SCALE: N.T.S.

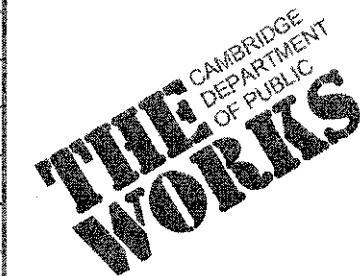


CONFORMED SET

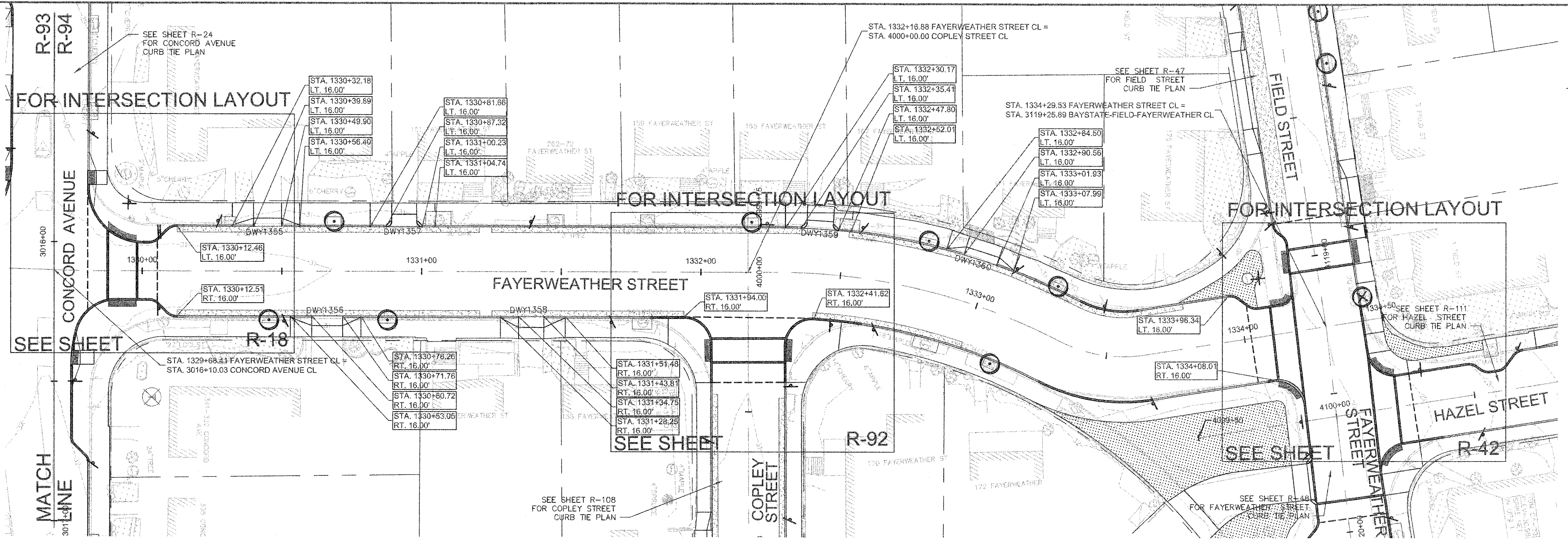
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 LAYOUT: CurbTie - Fayerweather8-1_Plot.dwg
 PLOTTED: 2/11/2014 11:19 AM BY: Kyle Bragins



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TALJRB/FMM		
Drawn by	KUL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date

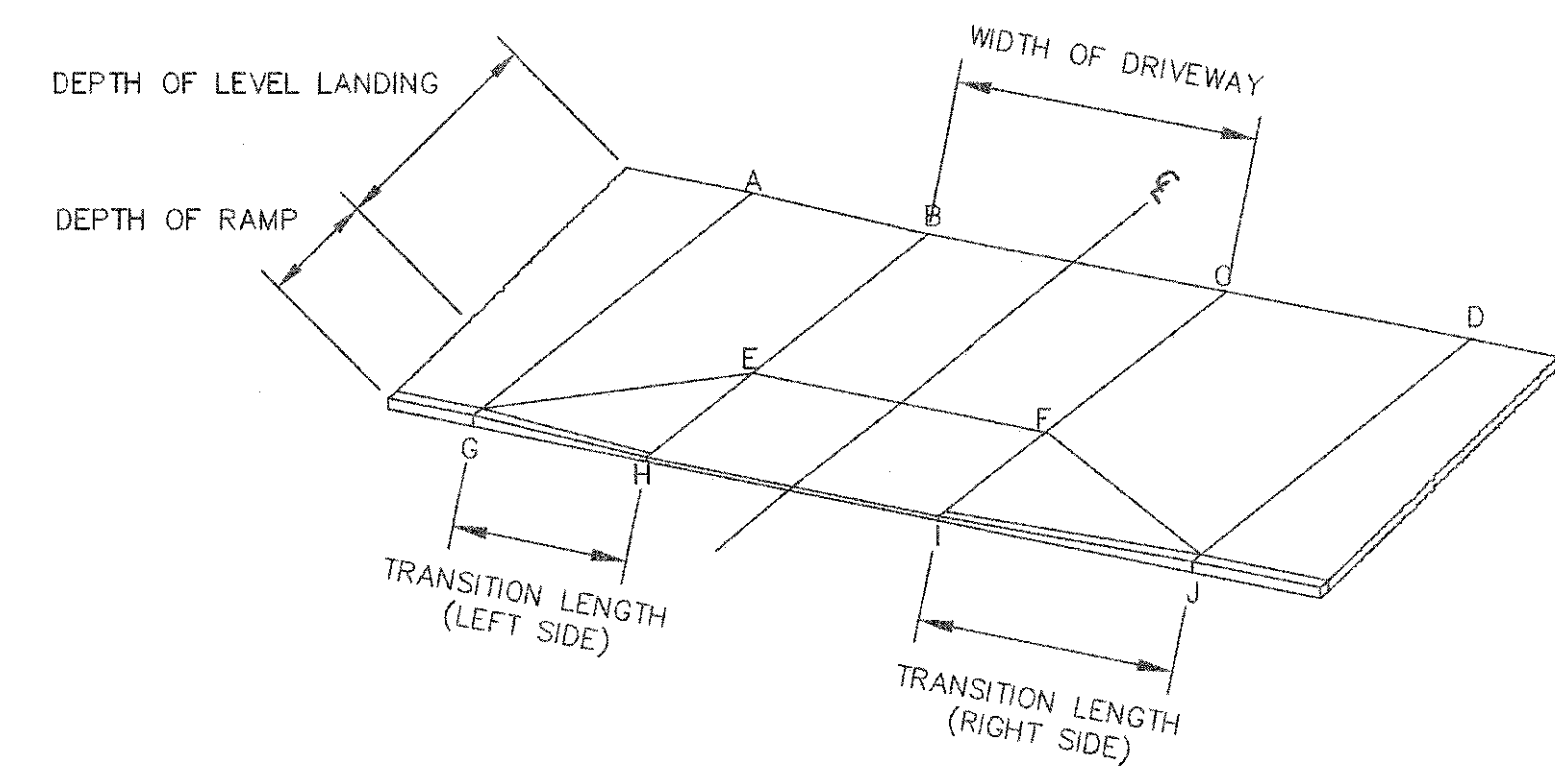


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-93
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN FAYERWEATHER STREET STA 1326+65 TO 1329+60		



FAYERWEATHER STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
								1355	3.00	3.00	5.50	5.50	10.01	7.67	6.50	31.27	31.11	31.13	31.16
1356	3.50	3.50	4.00	4.00	11.06	6.50	7.67	31.34	31.31	31.35	31.33	31.25	31.29	31.30	30.63	30.66	30.70	31.23	30.73
1357	4.50	4.50	4.00	4.00	8.90	7.67	6.50	31.08	31.24	31.21	31.20	31.18	31.14	30.96	30.46	30.43	30.39	31.03	30.37
1358	4.00	4.00	4.00	4.00	9.02	7.67	6.50	31.20	31.21	31.25	31.19	31.18	31.18	31.07	30.57	30.54	30.51	31.08	30.50
1359	3.00	3.00	5.50	5.50	9.39	7.67	6.50	31.01	31.00	31.01	31.15	30.92	30.93	30.87	30.54	30.51	30.47	31.11	30.45
1360	3.00	3.00	4.00	4.00	12.32	7.67	6.50	31.10	30.88	30.76	30.90	30.81	30.75	30.97	30.31	30.29	30.25	30.89	30.23



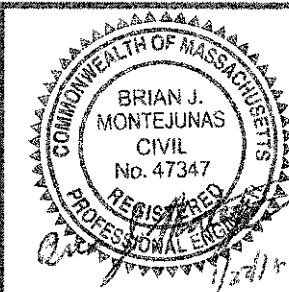
TYPICAL RAMP LEGEND

SCALE: N.T.S.

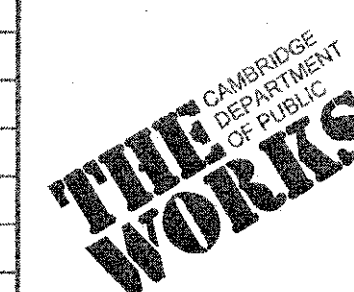


CONFORMED SET

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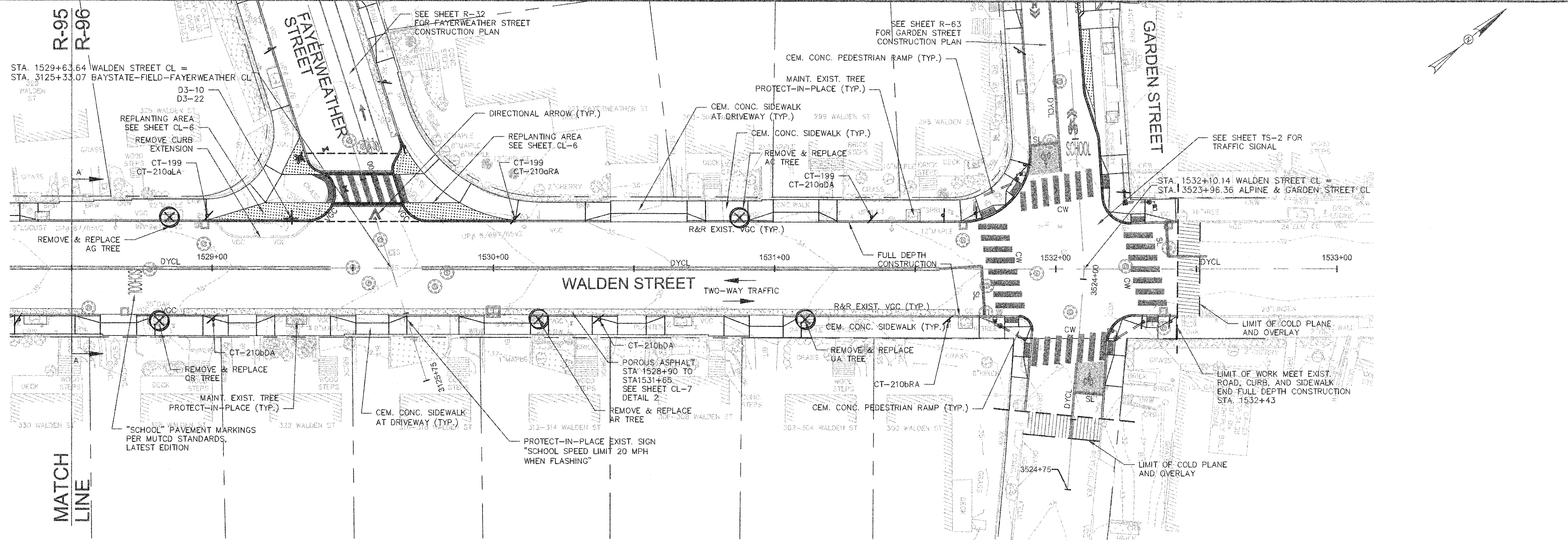


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



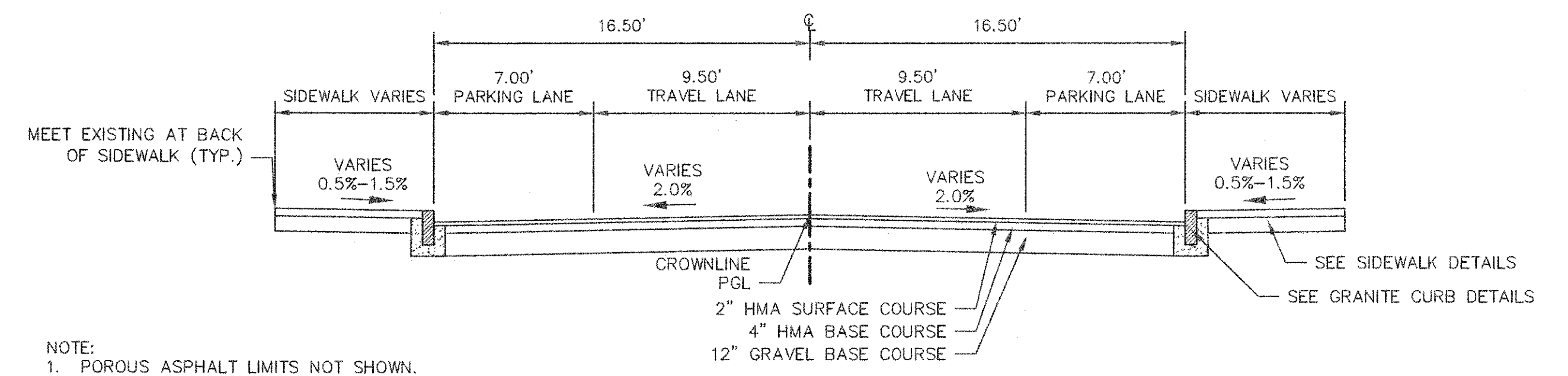
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN FAYERWEATHER STREET STA 1329+60 TO 1334+30

Sheet	R-94
File No.	6228



NOTES:

1. WORK IN WALDEN STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).



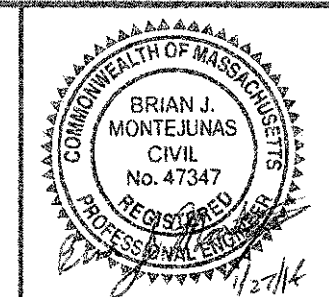
(A) TYPICAL SECTION
R-96 SCALE: 1"=5'

NOTE:
1. POROUS ASPHALT LIMITS NOT SHOWN. REFER TO DETAIL SHEET CL-7

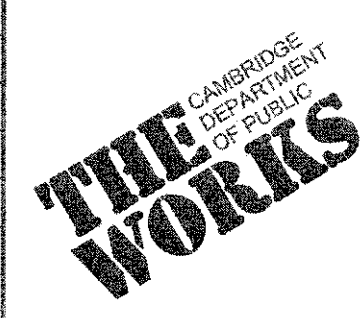


CONFORMED SET

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 LAYOUT: Construction - WaldenSt 2 PLOTTED: 2/11/2014 4:22 PM BY: Kyle Langlois



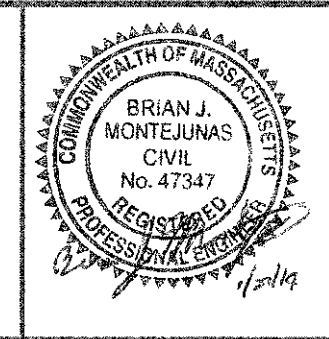
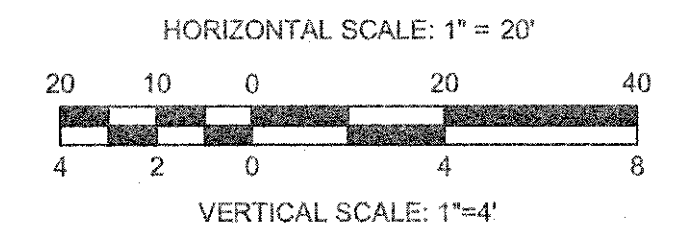
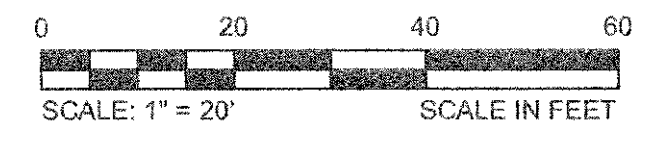
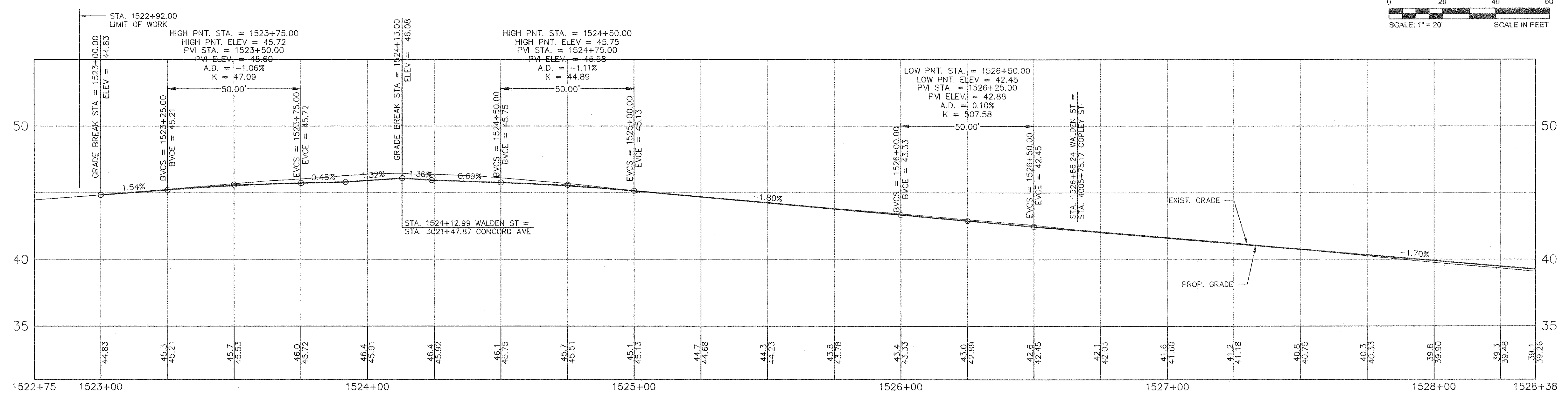
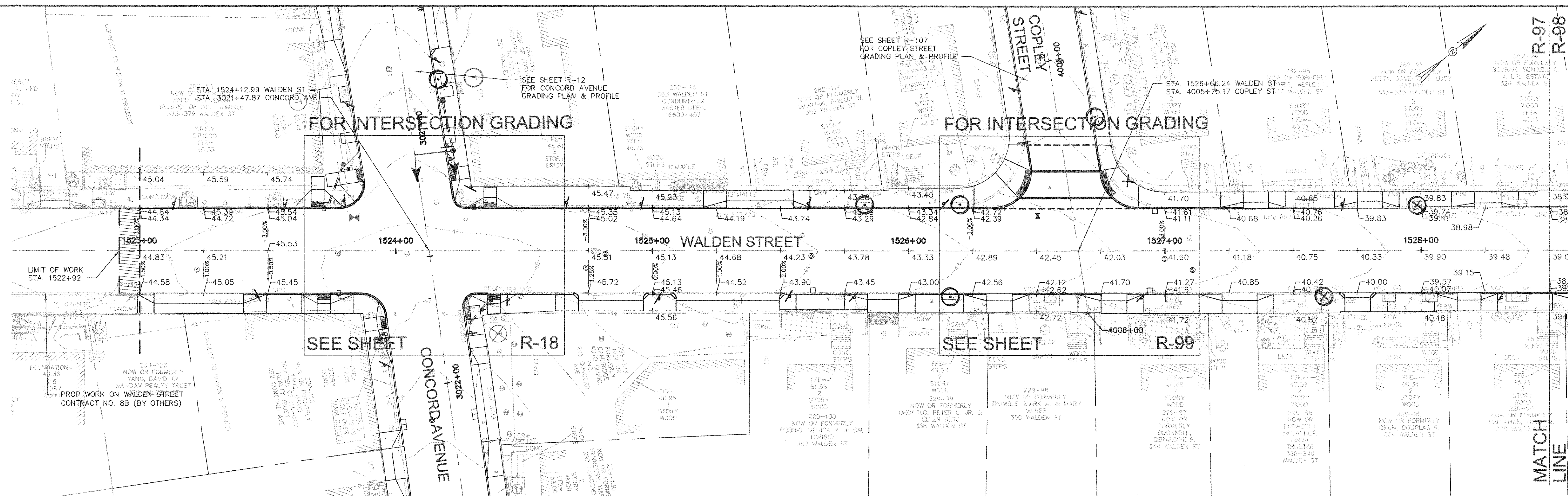
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/URB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



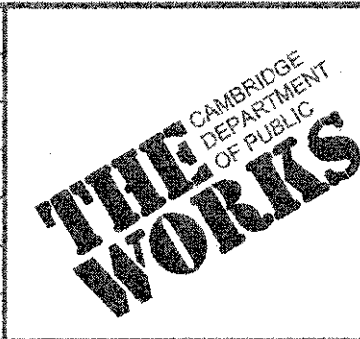
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN WALDEN STREET STA 1528+50 TO 1532+43

Sheet	R-96
File No.	6228

CAD FILE: G:\external\cambridge\MA\201226\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Grading - Walden St.dwg LAYOUT: Grading - Walden St 1 PLOTTED: 2/12/2014 8:59 AM BY: kyle langille



Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/URB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM

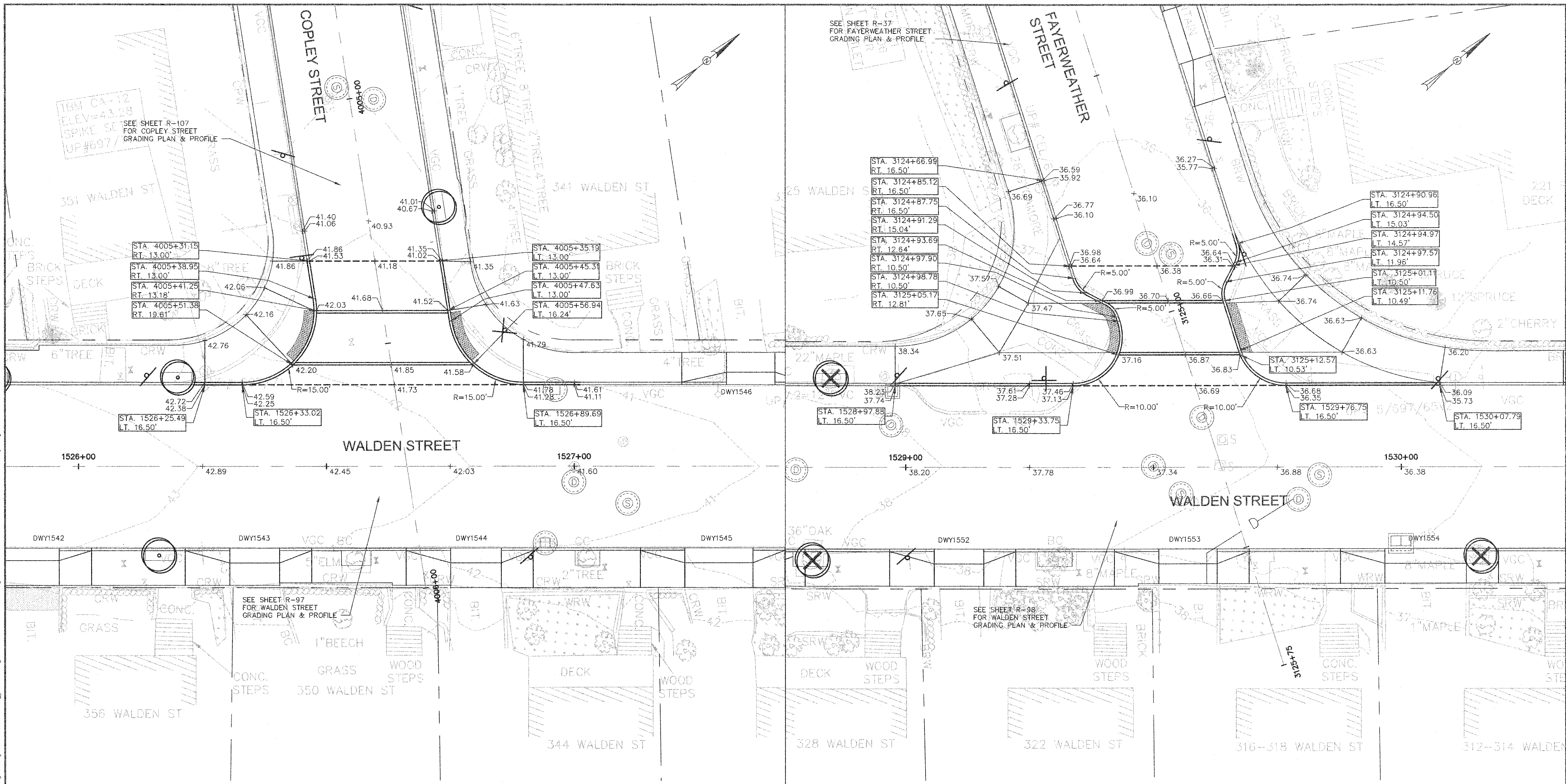


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE WALDEN STREET STA 1523+00 TO 1528+50

Sheet	R-97
File No.	6228

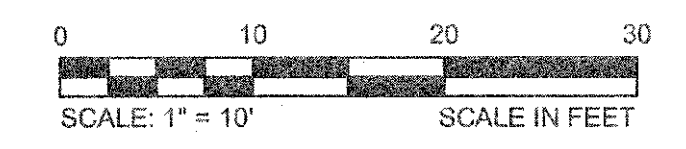
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 PLOTTED: 2/12/2014 10:56 AM BY: hylm langford

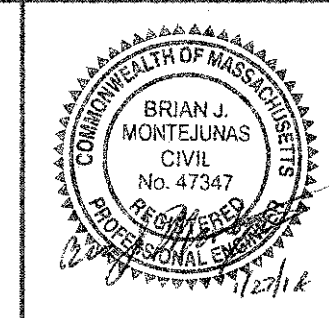


WALDEN ST & COPLEY ST PLAN
 SCALE: 1" = 10'

WALDEN ST & FAYERWEATHER ST PLAN
 SCALE: 1" = 10'



CONFORMED SET



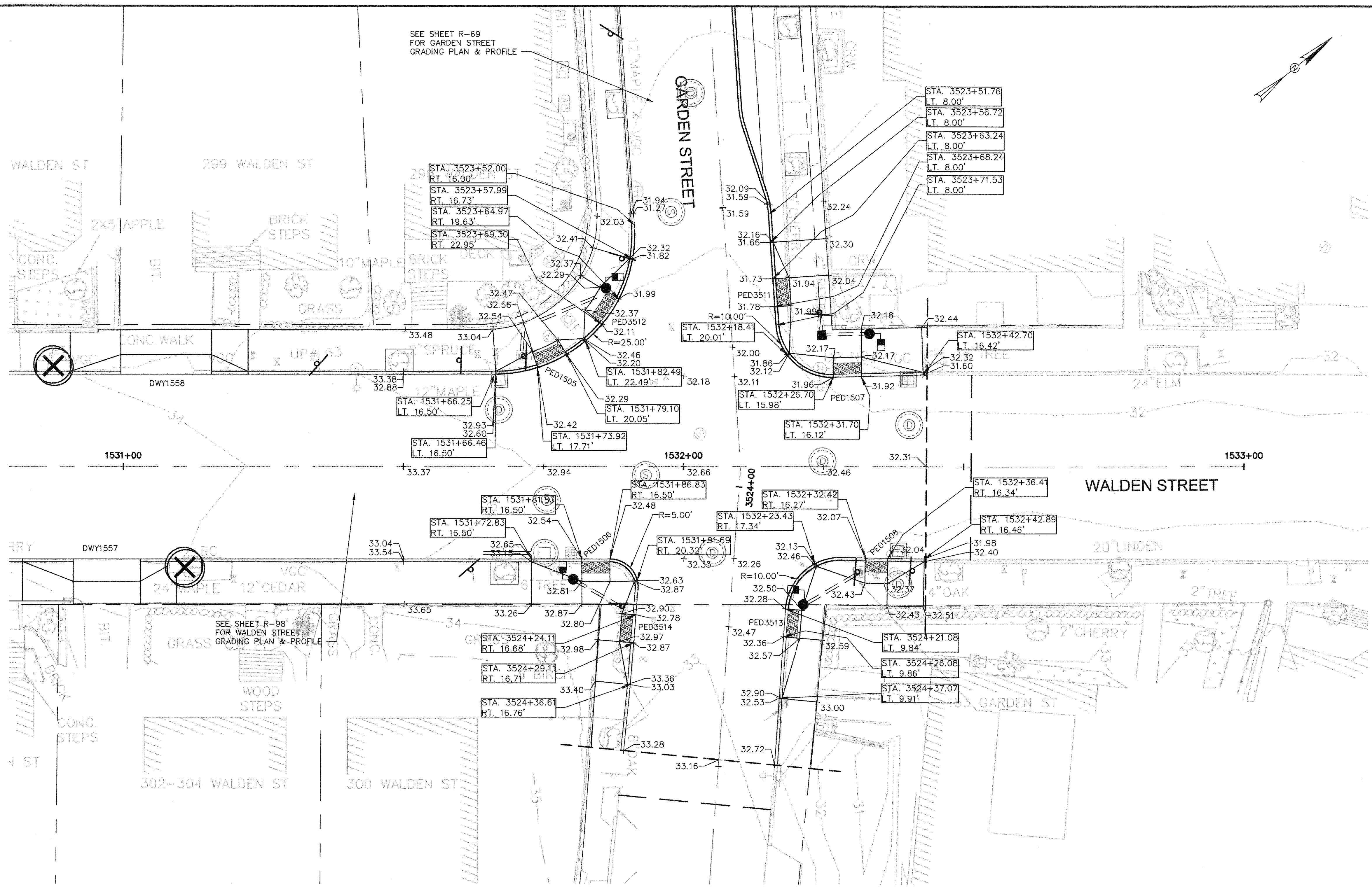
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Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



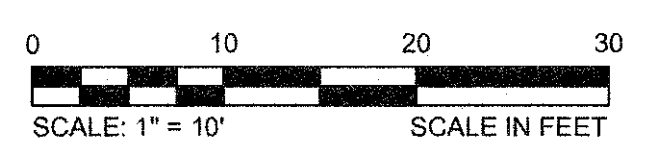
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN WALDEN STREET 1 OF 2

Sheet	R-99
File No.	6228

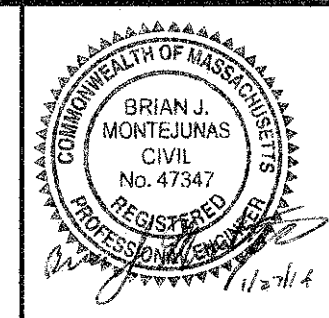
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WALDEN ST & GARDEN ST PLAN
 SCALE: 1" = 10'



CONFORMED SET

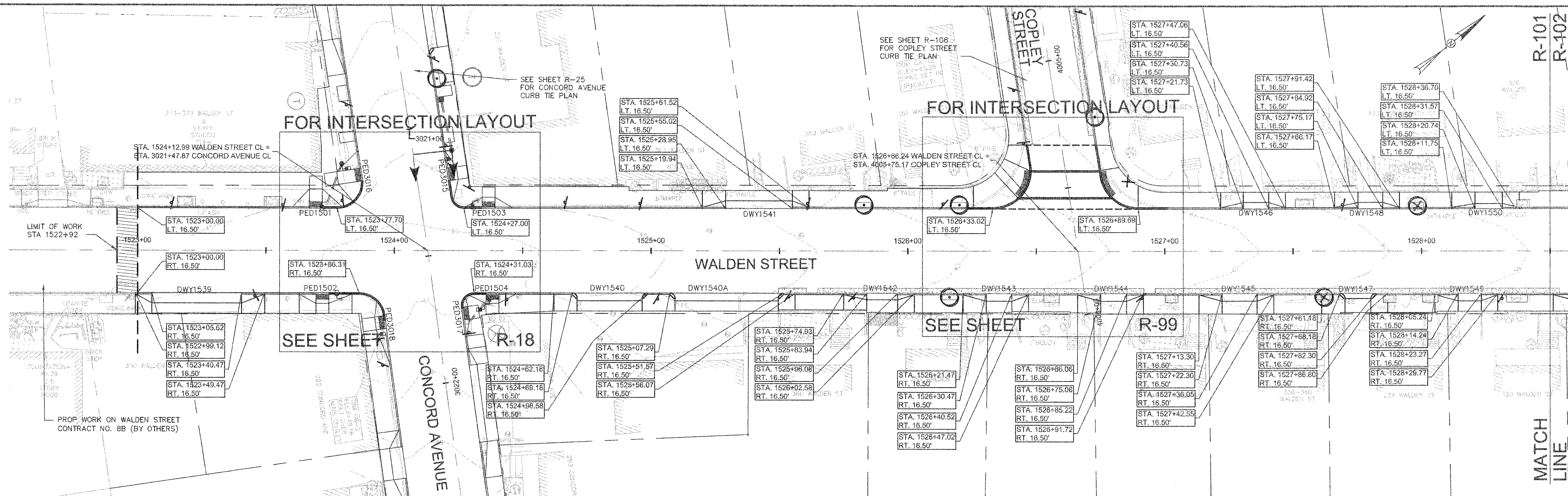


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



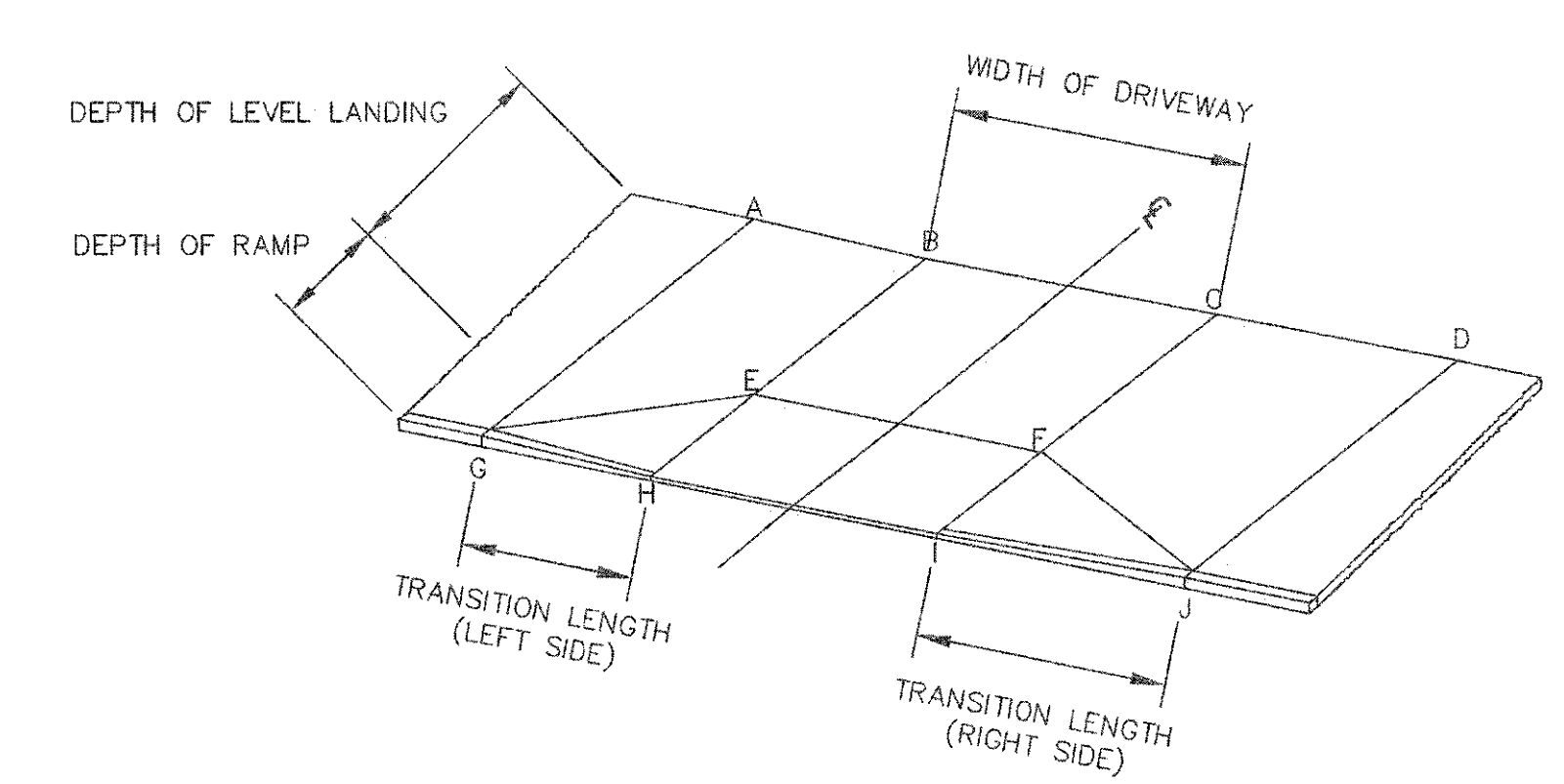
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - INTERSECTION GRADING PLAN WALDEN STREET 2 OF 2

Sheet	R-100
File No.	6228

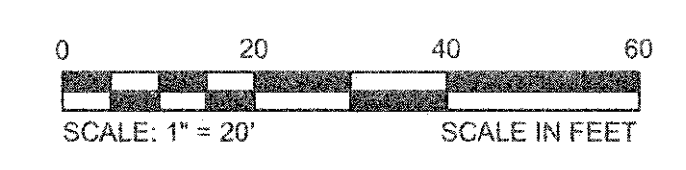


WALDEN STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
1539	4.00	4.00	4.00	4.00	34.86	9.00	6.50	46.13	46.00	45.32	45.29	45.92	45.26	46.02	45.45	45.29	44.69	45.16	44.58
1540	3.00	3.00	4.00	4.00	25.40	-	9.00	-	45.49	46.09	46.40	45.43	46.03	-	-	45.21	45.79	46.40	45.94
1540A	3.00	3.00	4.00	4.00	40.28	6.50	-	44.38	44.50	45.23	-	44.43	45.18	44.29	43.79	43.91	44.90	-	-
1541	3.00	3.00	4.00	4.00	26.07	9.00	6.50	44.88	44.58	44.21	44.20	44.52	44.15	44.78	44.28	44.11	43.64	44.11	43.53
1542	2.50	2.50	5.00	4.00	16.50	6.50	9.00	43.66	43.60	43.80	44.10	43.52	43.74	43.53	42.95	43.07	43.29	44.03	43.45
1543	3.00	3.00	4.50	4.50	10.05	6.50	9.00	42.76	42.82	43.01	43.29	42.78	42.97	42.68	42.18	42.29	42.46	43.20	42.62
1544	3.00	3.00	5.00	5.00	10.16	6.50	9.00	41.87	42.04	42.22	42.37	41.98	42.16	41.75	41.41	41.53	41.70	42.35	41.85
1545	3.00	3.00	5.00	5.00	13.75	6.50	9.00	40.90	41.01	41.27	41.46	40.95	41.21	40.88	40.55	40.66	40.89	41.38	41.05
1546	2.50	2.50	4.00	4.00	9.83	9.00	6.50	41.27	40.98	40.81	40.81	40.92	40.75	41.24	40.74	40.59	40.42	40.81	40.31
1547	2.00	2.00	5.50	5.50	10.12	6.50	9.00	40.20	40.19	40.35	40.62	40.13	40.29	40.20	39.80	39.91	40.08	40.56	40.23
1548	2.50	2.50	4.00	4.00	9.75	9.00	6.50	40.48	40.19	40.00	39.96	40.18	39.99	40.45	39.98	39.83	39.66	39.88	39.55
1549	3.00	3.00	4.00	4.00	9.03	6.50	9.00	39.50	39.62	39.74	40.00	39.56	39.68	39.40	39.07	39.18	39.33	39.98	39.48
1550	2.00	2.00	4.50	4.50	10.82	9.00	6.50	39.55	39.20	39.18	39.09	39.19	39.10	39.54	39.21	39.05	38.87	39.09	38.76

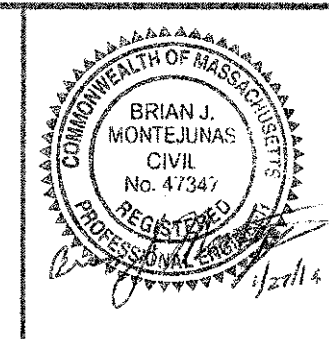


TYPICAL RAMP LEGEND
SCALE: N.T.S.

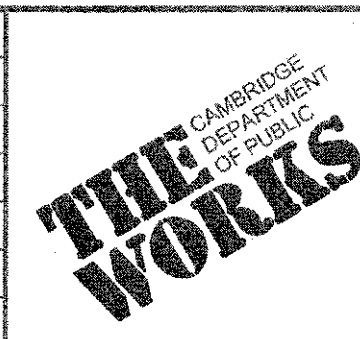


CONFORMED SET

CAD FILE: G:\clients\cambridge MA\2012\25-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_Walden.dwg
 LAYOUT: Waterlist 1 PLOTTED: 2/11/2014 12:03 PM BY: Kyle Bingham

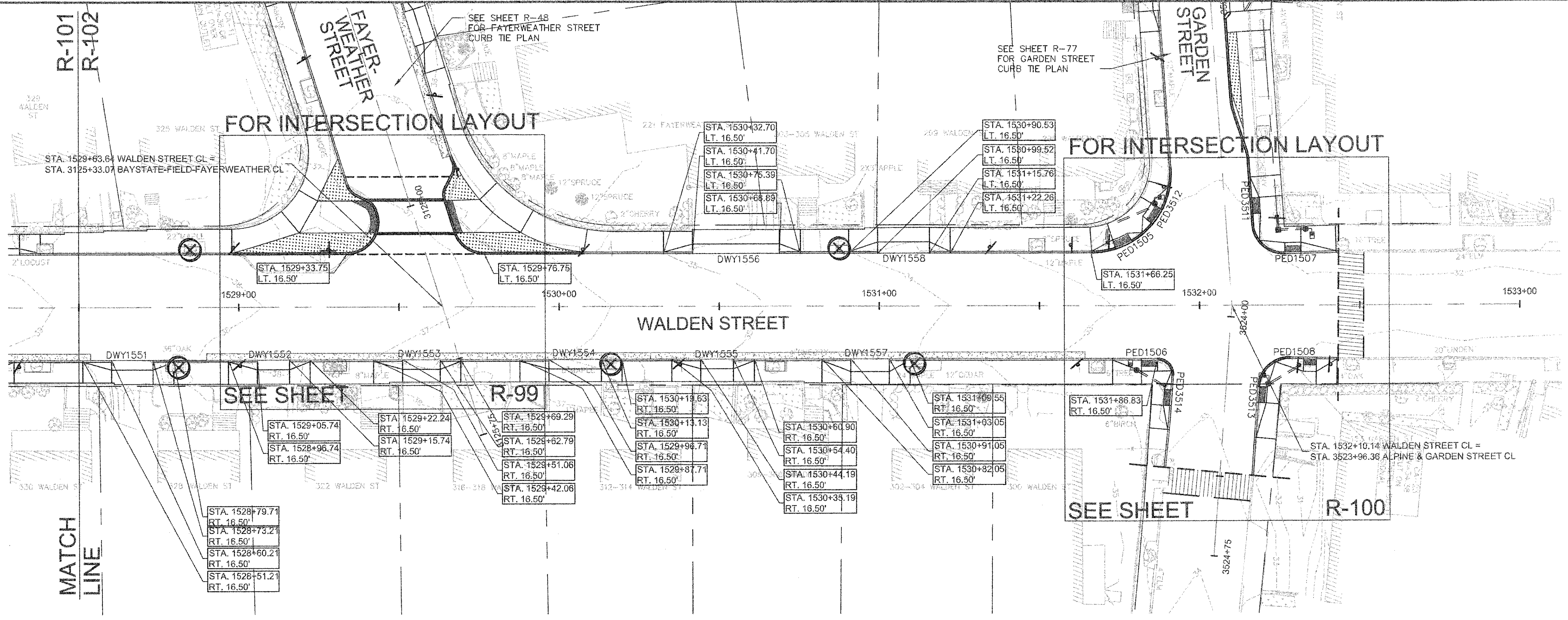


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



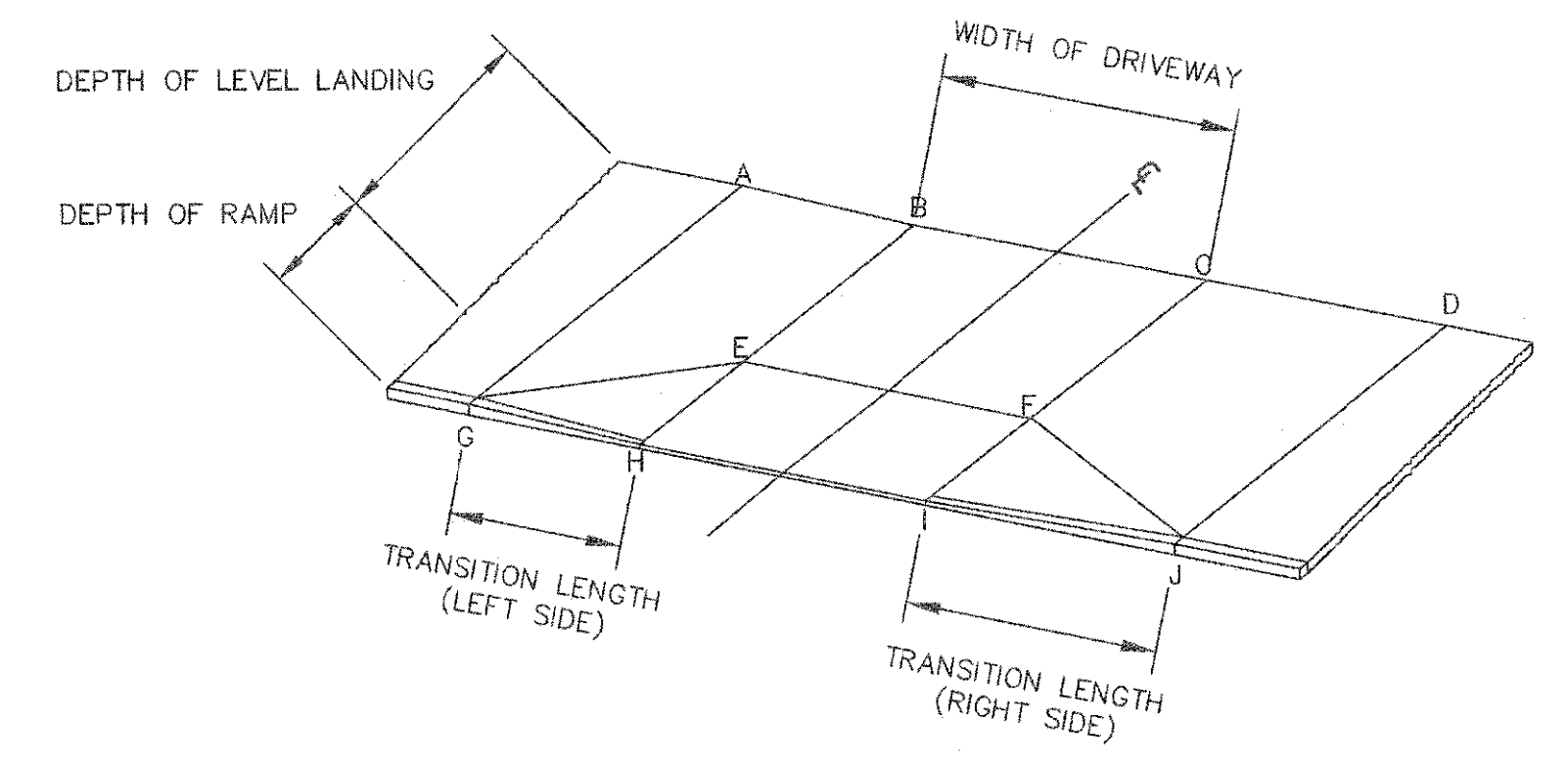
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN WALDEN STREET STA 1523+00 TO 1528+50

Sheet
R-101
File No.
6228

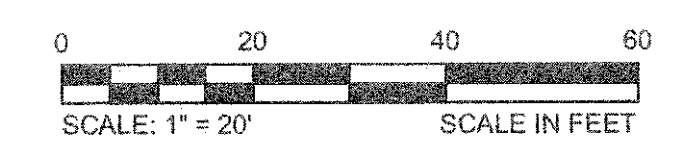


WALDEN STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
1551	3.00	3.00	4.50	4.50	13.00	6.50	9.00	38.90	38.78	38.86	39.12	38.72	38.80	38.78	38.22	38.33	38.55	39.03	38.70
1552	3.00	3.00	4.50	4.50	10.00	6.50	9.00	37.92	38.07	38.21	38.37	38.04	38.19	37.82	37.49	37.60	37.77	38.37	37.93
1553	3.00	3.00	4.00	4.00	11.73	6.50	9.00	37.14	37.29	37.48	37.62	37.23	37.42	37.13	36.65	36.78	36.99	37.62	37.15
1554	3.00	3.00	4.00	4.00	16.42	6.50	9.00	36.09	36.15	36.55	36.87	36.13	36.50	36.08	35.65	35.78	36.11	36.79	36.29
1555	3.00	3.00	4.00	4.00	10.20	6.50	9.00	35.43	35.48	35.64	35.85	35.43	35.58	35.33	34.83	34.96	35.16	35.84	35.34
1556	3.00	3.00	4.50	4.50	27.20	9.00	6.50	35.65	35.51	34.82	34.86	35.43	34.80	35.56	35.23	35.05	34.50	34.80	34.37
1557	4.00	4.00	4.00	4.00	12.00	6.50	9.00	34.65	34.73	34.91	35.12	34.66	34.89	34.51	33.85	33.98	34.22	34.98	34.40
1558	3.50	3.50	4.50	4.50	16.24	9.00	6.50	34.67	34.48	34.13	34.04	34.40	34.12	34.57	34.07	33.89	33.56	33.93	33.43

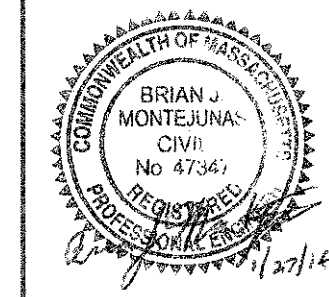


TYPICAL RAMP LEGEND
SCALE: N.T.S.

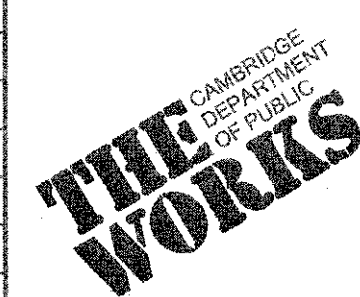


CONFORMED SET

CAD FILE: G:\external\Cambridge MA\2012256.01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie - WaldenSt.dwg
 LAYOUT: WaldenSt_2 - PLOTTED: 2/11/2014 10:54 PM BY: Kyle Langille



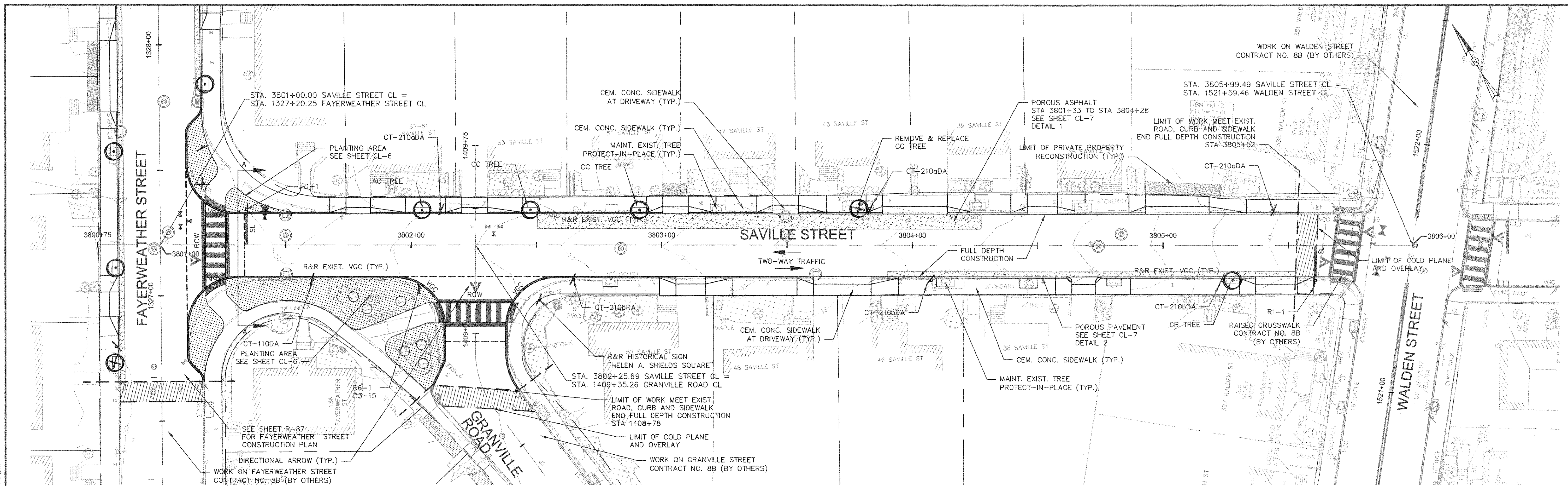
Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



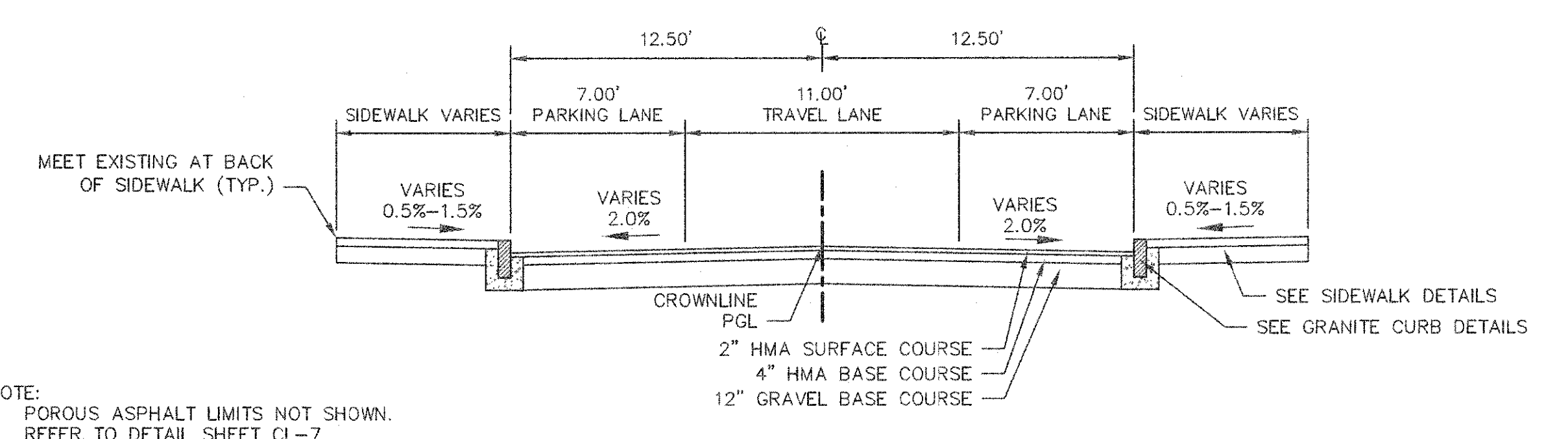
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN WALDEN STREET STA 1528+50 TO 1532+43

Sheet	R-102
File No.	6228

CAD FILE: G:\clients\cambridge\MA\2012\256-01-A - Concord Ave (Contract 9) Sewer Separation and Surface Improvements Project\Drawings\Construction\Plan\Construction_Saville.dwg
 LAYOUT: SavilleSI - PLOTTED: 2/11/2014 3:47 PM BY: Kyle Langlois

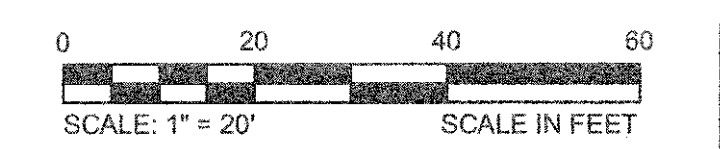


1. WORK IN SAVILLE STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, AND SIDEWALK CONSTRUCTION DETAILS.
3. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES. THE CONTRACTOR TO COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
4. ALL VERTICAL GRANITE CURBING WITHIN WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).

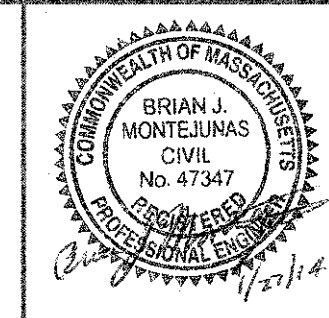


NOTE:
 1. POROUS ASPHALT LIMITS NOT SHOWN. REFER TO DETAIL SHEET CL-7

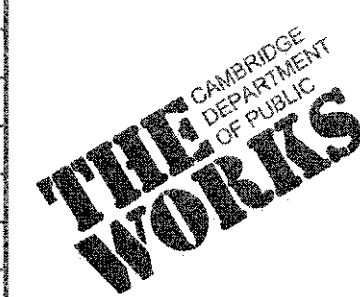
(A) TYPICAL SECTION
 R-103 SCALE: 1"=5'



CONFORMED SET

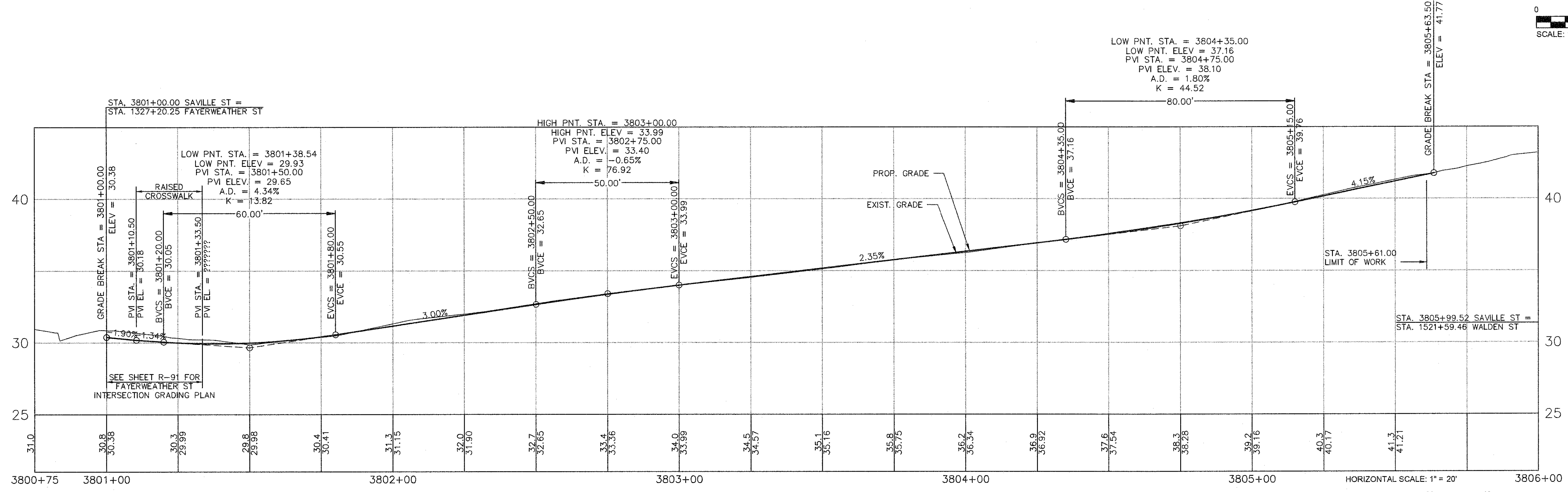
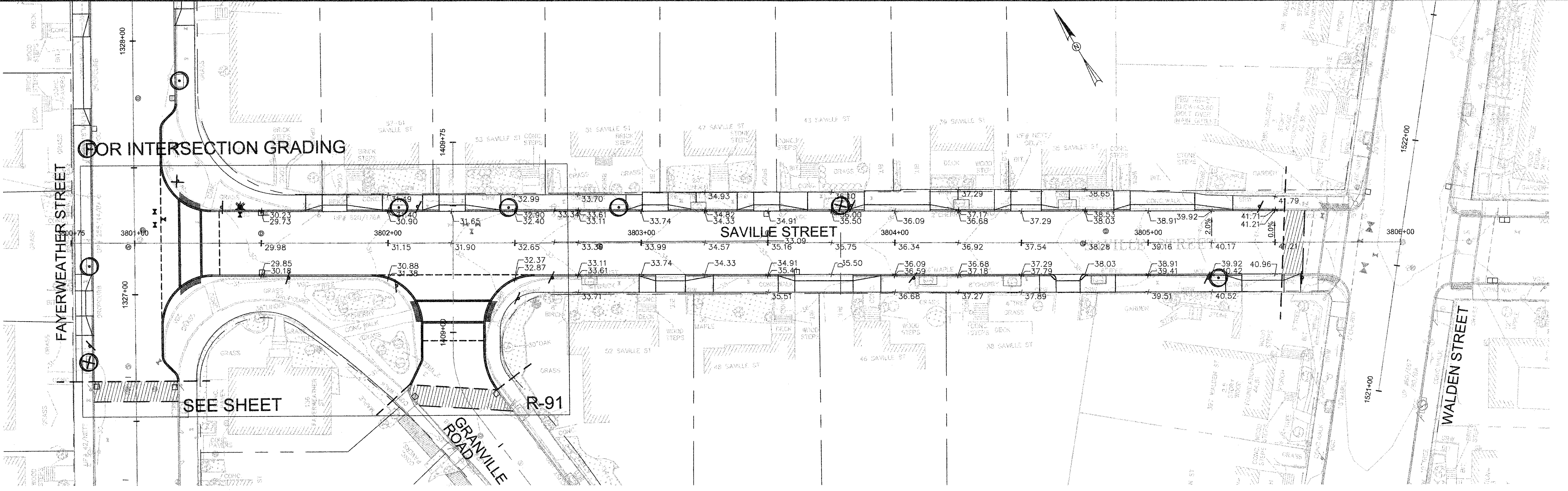


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			

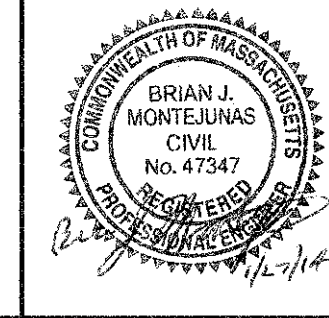


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-103
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN SAVILLE STREET STA 3801+00 TO 3805+52		

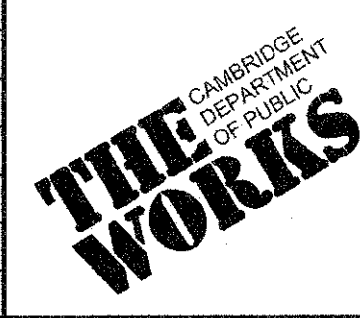
CAD FILE: G:\clients\cambridge\MA2012256\01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_Saville-Copley-Hazel-by.dwg
 LAYOUT: SavilleSH1 PLOTTED: 1/27/2013 6:20 PM BY: daniel mozmack



CONFORMED SET



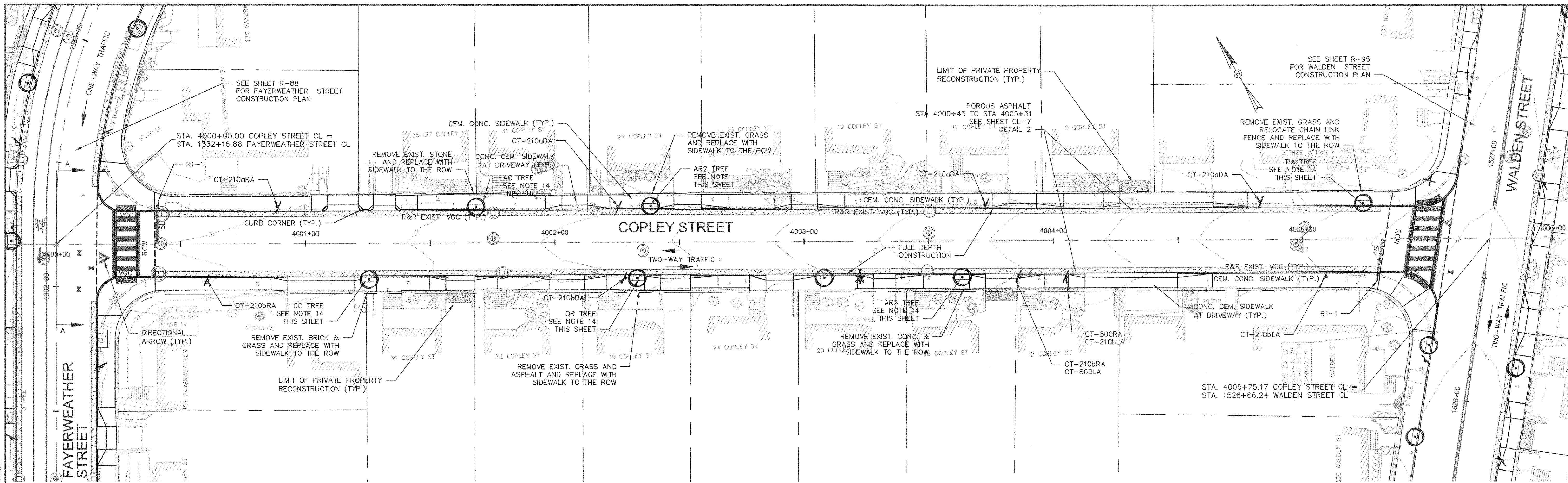
Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date



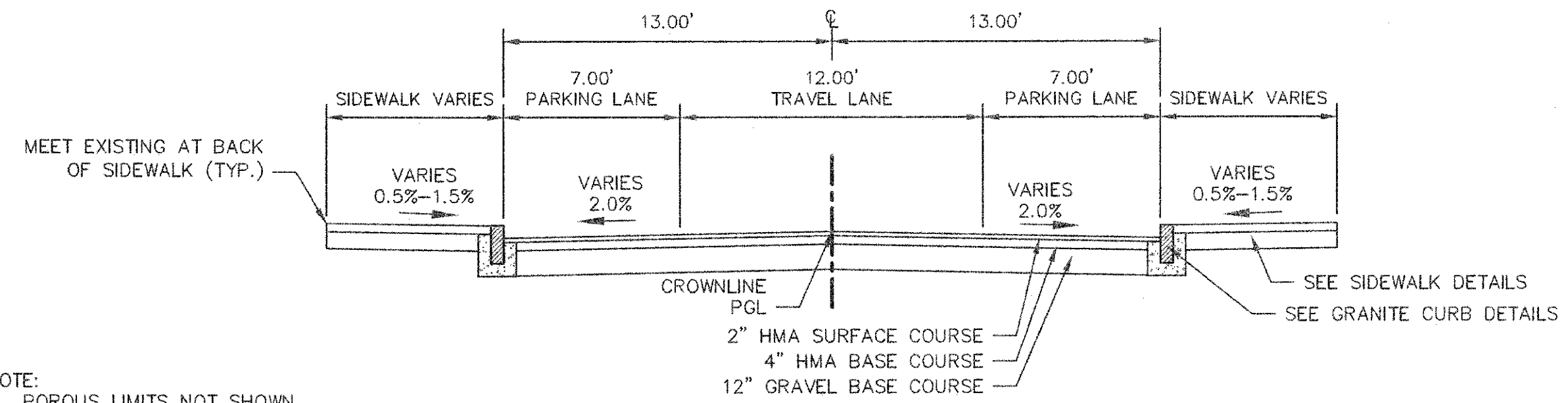
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE SAVILLE STREET STA 3801+00 TO 3805+52

Sheet	R-104
File No.	

CAD FILE: G:\clients\cambridge\MA\2012286-01-A - Concord Ave (Contract 9)\Drawings\Construction\Drawings\Production\Drawings\Construction_Savills\Copley-Hazelby.dwg
 LAYOUT: CopleySt_PLOT.DWG: 2/11/2014 3:41 PM BY: Iyle Ingalls



1. WORK IN COPLEY STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY. AT SOME LOCATIONS, CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).
14. RIGHT OF ENTRY REQUIRED FROM PROPERTY OWNER TO RE-OBTAIN RIGHT-OF-WAY LIMITS. EXTEND SIDEWALK TO ROW LIMITS.

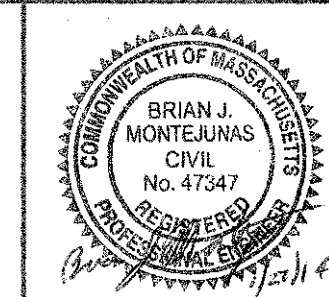


NOTE:
 1. POROUS LIMITS NOT SHOWN. REFER TO DETAIL SHEET CL-7

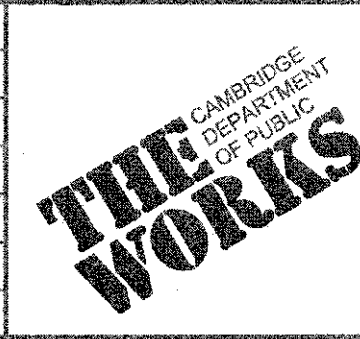
A TYPICAL SECTION
 R-106 SCALE: 1"=5'



CONFORMED SET



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



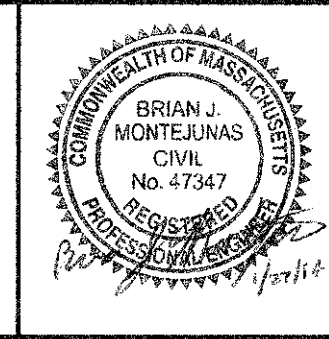
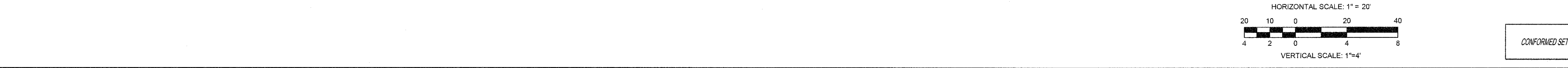
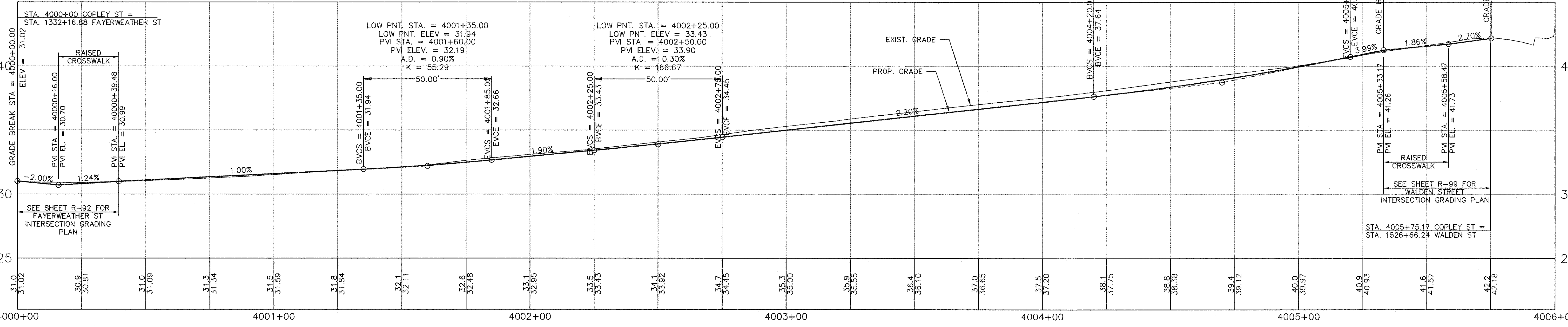
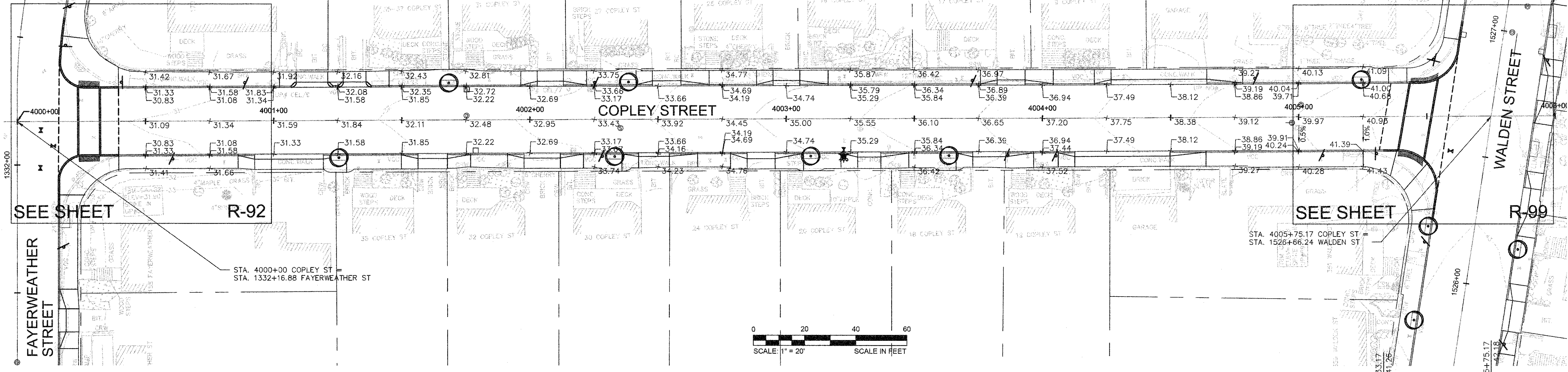
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CONSTRUCTION PLAN COPLEY STREET STA 4000+00 TO 4005+75

Sheet	R-106
File No.	6228

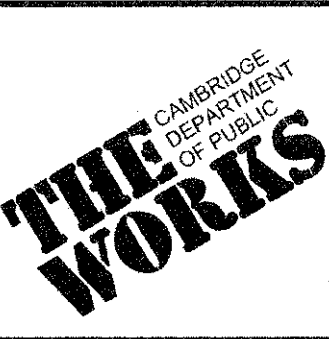
CAD FILE: G:\clients\cambridge\MA\2012256-01-A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading\Plan\Grading_Site\K-Copley-Hazelby.dwg LAYOUT: Copley St - PLOTTED: 10/27/2013 8:27 PM BY: daniel.morimoto

FOR INTERSECTION GRADING

FOR INTERSECTION GRADING

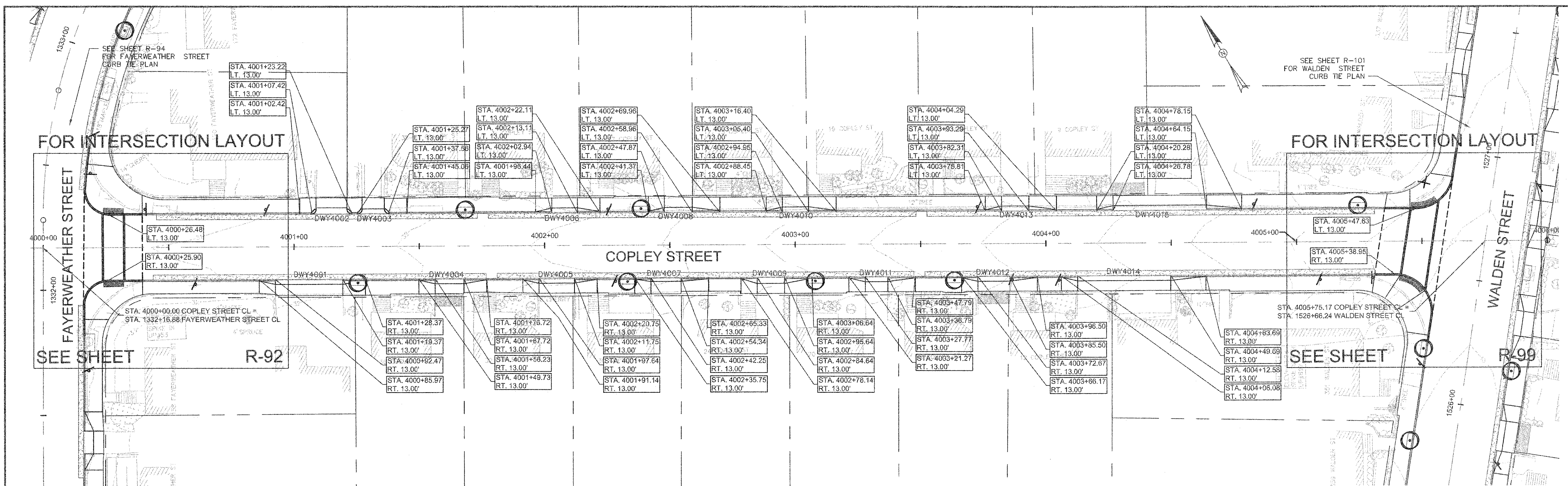


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



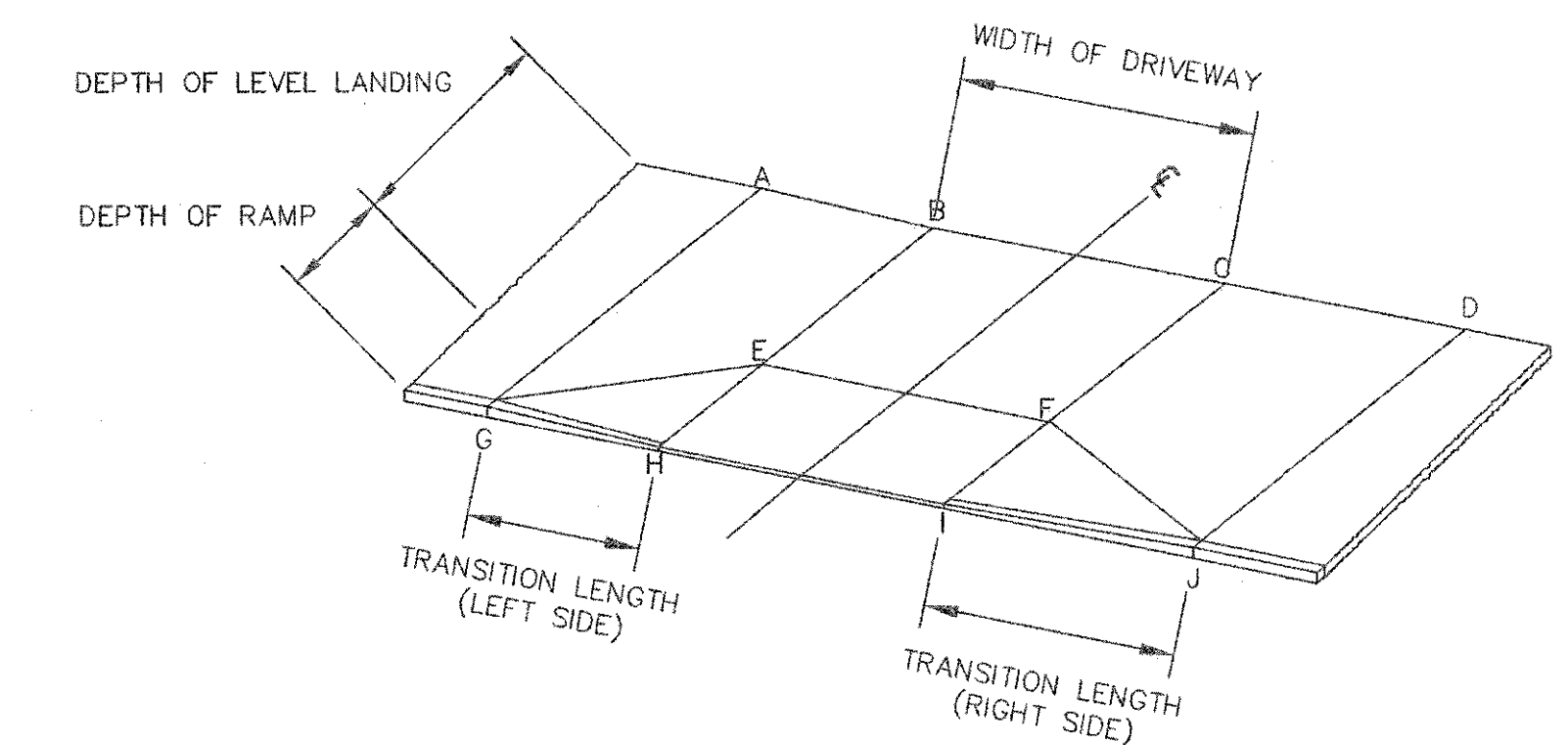
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE COPLEY STREET STA 4000+00 TO 4005+75

Sheet
R-107
 File No.

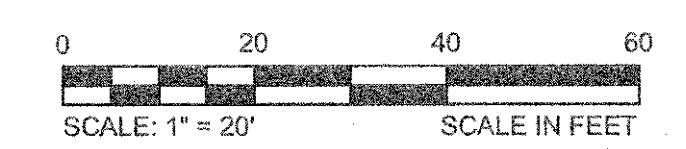


COPLEY STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
4001	2.00	2.00	4.50	4.50	26.89	9.00	6.50	32.28	31.99	31.72	31.61	31.91	31.64	32.18	31.62	31.53	31.26	31.52	31.19
4002	2.50	2.50	4.00	4.00	12.30	6.50	-	31.90	31.89	31.88	-	31.82	31.87	31.86	31.30	31.38	31.54	-	-
4003	2.00	2.00	4.50	4.50	8.79	-	9.00	-	31.90	31.97	31.97	32.15	31.82	31.90	-	31.60	31.70	32.13	31.80
4004	2.00	2.00	3.50	4.00	11.50	9.00	6.50	32.90	32.55	32.38	32.50	32.49	32.32	32.84	32.26	32.11	31.94	32.43	31.85
4005	2.00	2.00	4.00	4.00	14.11	9.00	6.50	33.58	33.26	33.09	33.07	33.20	33.03	33.50	33.09	32.92	32.65	33.05	32.53
4006	2.00	2.00	4.00	4.00	10.16	6.50	9.00	33.13	33.19	33.37	33.57	33.13	33.31	33.03	32.62	32.75	32.94	33.52	33.11
4007	1.50	1.50	4.00	4.00	12.08	11.00	6.50	34.53	34.11	33.87	33.80	34.05	33.81	34.49	33.99	33.75	33.51	33.71	33.38
4008	2.00	2.00	4.50	4.00	11.10	6.50	11.00	34.07	34.06	34.29	34.66	34.00	34.23	33.99	33.49	33.62	33.85	34.58	34.08
4009	2.50	2.50	4.00	4.00	11.01	11.00	6.50	35.47	35.16	34.92	34.87	35.10	34.85	35.39	34.89	34.65	34.40	34.76	34.26
4010	2.00	2.00	4.00	4.00	10.45	6.50	11.00	35.06	35.07	35.27	35.45	35.01	35.21	34.99	34.49	34.63	34.86	35.43	35.10
4011	2.00	2.00	4.50	4.00	9.02	11.00	6.50	36.25	35.91	35.76	35.76	35.85	35.70	36.21	35.79	35.55	35.35	35.71	35.21
4012	2.00	2.00	4.00	4.00	12.83	11.00	6.50	37.45	37.15	36.84	36.78	37.08	36.77	37.42	36.99	36.71	36.40	36.74	36.24
4013	2.00	2.00	4.00	4.00	10.99	6.50	11.00	37.00	37.08	37.34	37.58	37.01	37.28	36.96	36.47	36.63	36.90	37.50	37.17
4014	2.00	2.00	4.00	4.00	37.10	14.00	6.50	39.10	38.55	37.62	37.63	38.49	37.56	39.08	38.75	38.30	37.35	37.60	37.20
4015	2.00	2.00	4.00	4.00	37.37	6.50	14.00	38.08	38.10	39.10	39.56	38.03	39.04	38.01	37.51	37.66	38.67	39.50	39.09

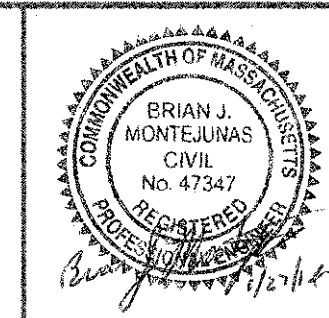


TYPICAL RAMP LEGEND
SCALE: N.T.S.

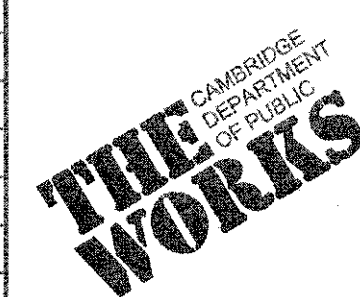


CONFORMED SET

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 LAYOUT: Copley - R-108.dwg
 PLOTTED: 2/11/2014 11:40 AM BY: Ilya Imple

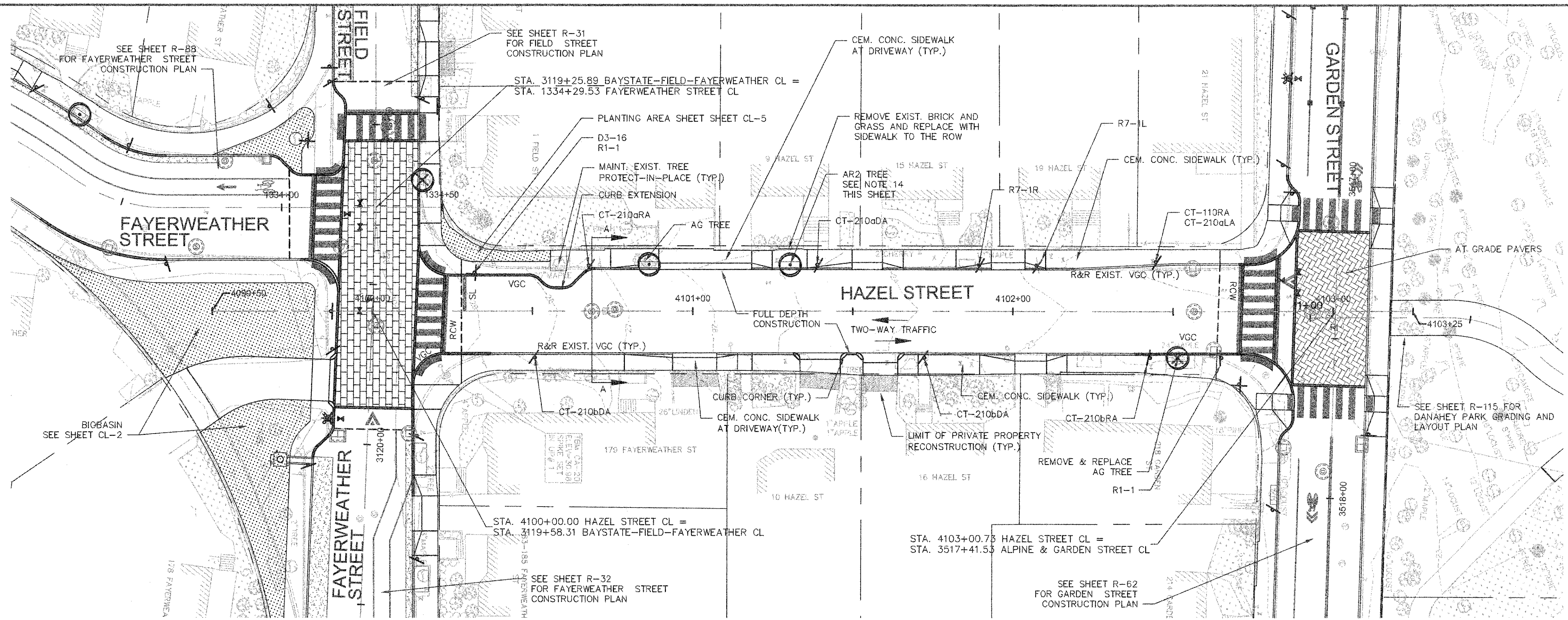


Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	20120256.001A
Designed by	TALJRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM



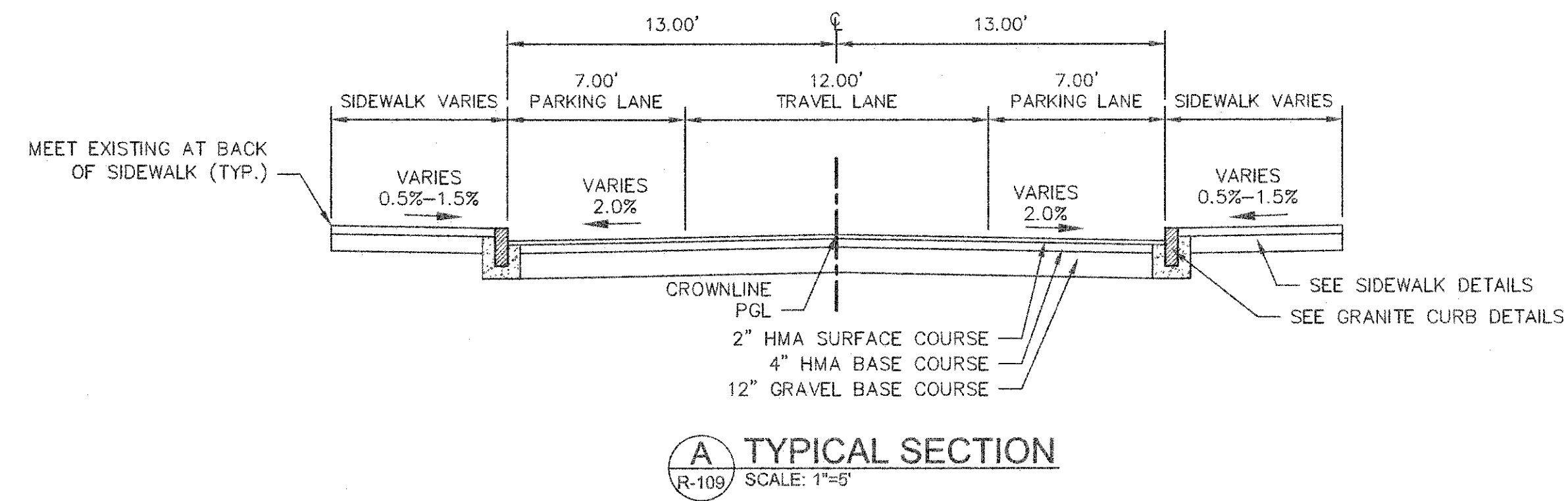
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN COPLEY STREET STA 4000+00 TO 4005+75

Sheet	R-108
File No.	6228



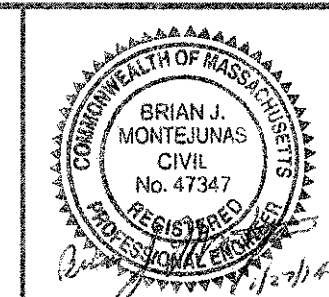
NOTES:

1. WORK IN HAZEL STREET SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAILS ON SHEETS RG-3, RG-4 AND RG-5 FOR CURB INSTALLATION, PEDESTRIAN RAMP, DRIVEWAY, 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 WORK LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM AREA OF 12 SF. FOR EXISTING TREES, A MINIMUM OF 3'-0" WIDE SIDEWALK SHALL BE MAINTAINED BETWEEN TREE PIT AND BACK OF SIDEWALK UNLESS SHOWN OTHERWISE. FOR NEW OR REPLACED TREES, A MINIMUM OF 4'-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 CL-1 FOR PLANTING LIST.
7. ALL 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.
13. PROPOSED TREES ARE SHOWN AT THE BACK OF SIDEWALK, ON PRIVATE PROPERTY, AT SOME LOCATIONS. CONTRACTOR SHALL NOT ORDER TREE OR PERFORM ANY WORK ON PRIVATE PROPERTY UNTIL RIGHT OF ENTRY IS RECEIVED FROM PROPERTY OWNER(S).
14. RIGHT OF ENTRY REQUIRED FROM PROPERTY OWNER TO RE-OBTAIN RIGHT-OF-WAY LIMITS. EXTEND SIDEWALK TO ROW LIMITS.



CONFORMED SET

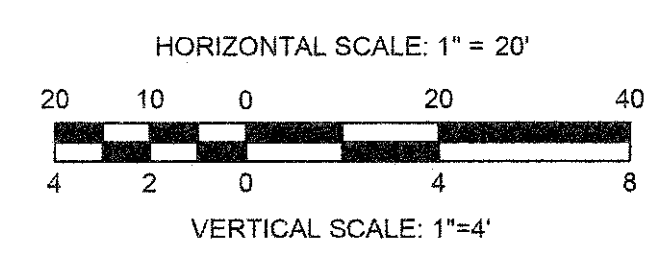
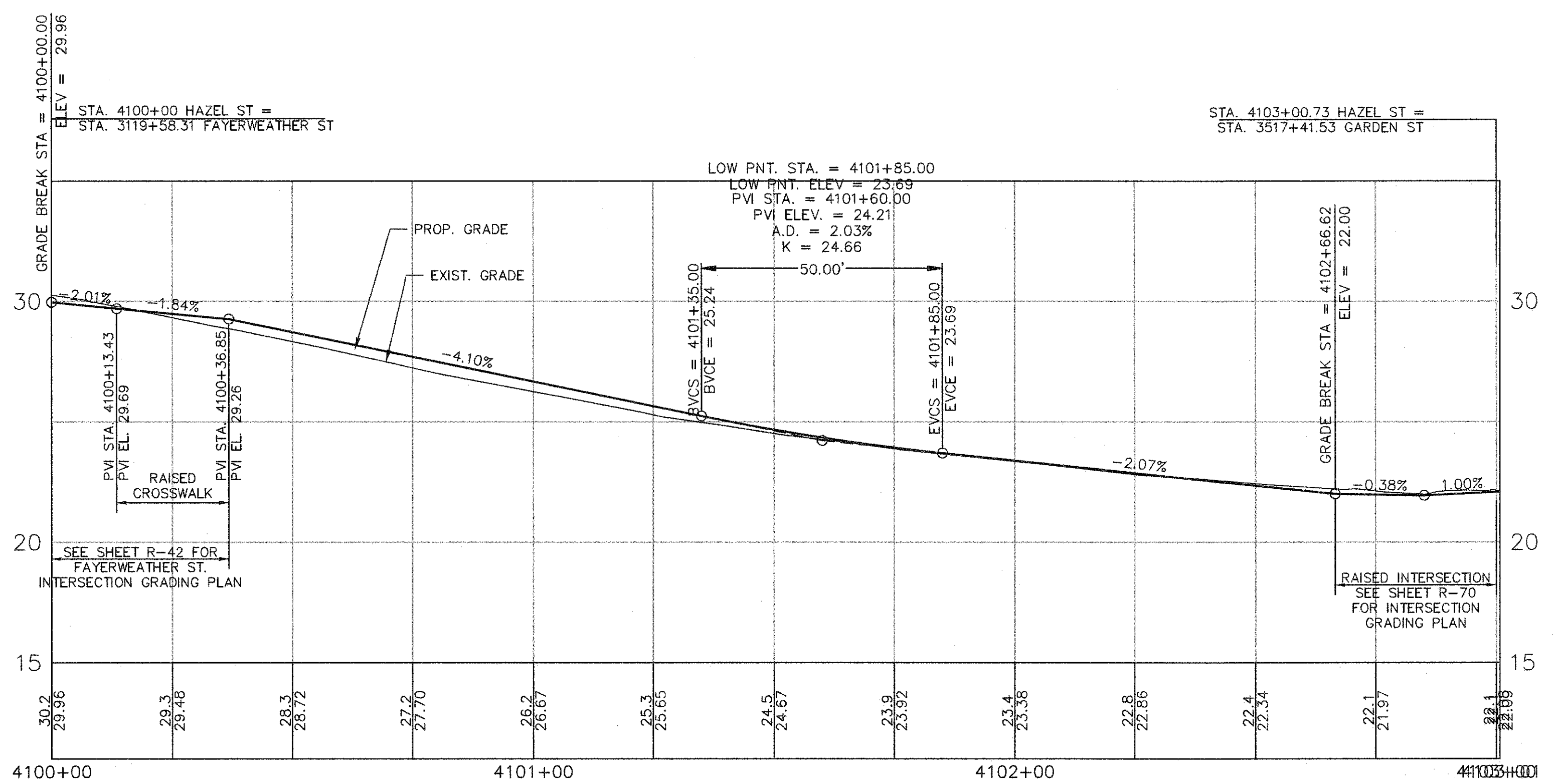
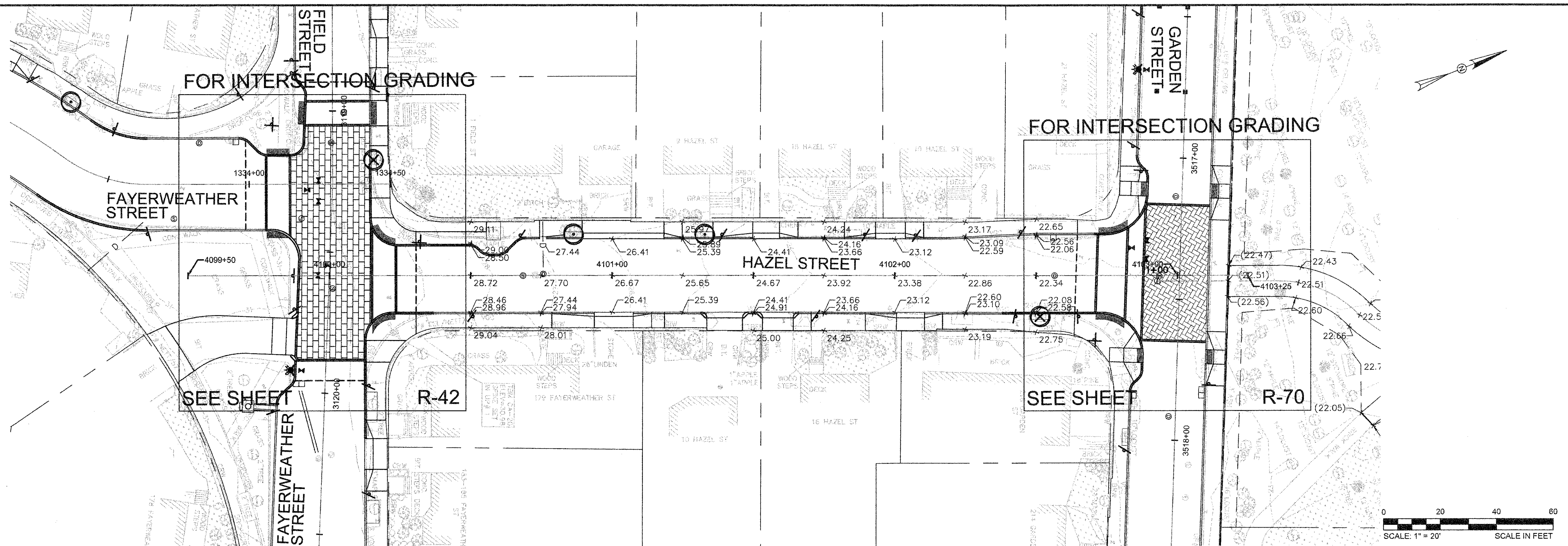
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 LAYOUT: Hazels; PLOTTED: 2/11/2014 3:31 PM BY: bjr langlois



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS

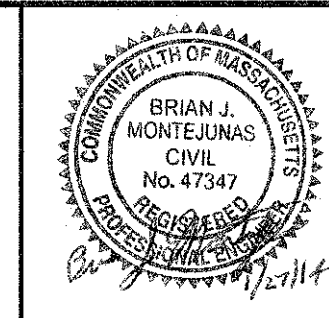


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-109
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CONSTRUCTION PLAN HAZEL STREET STA 4100+00 TO 4103+01		

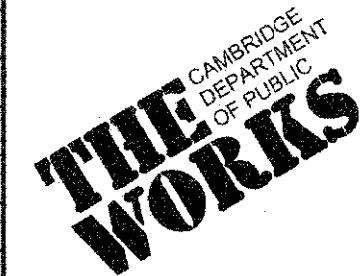


CONFORMED SET

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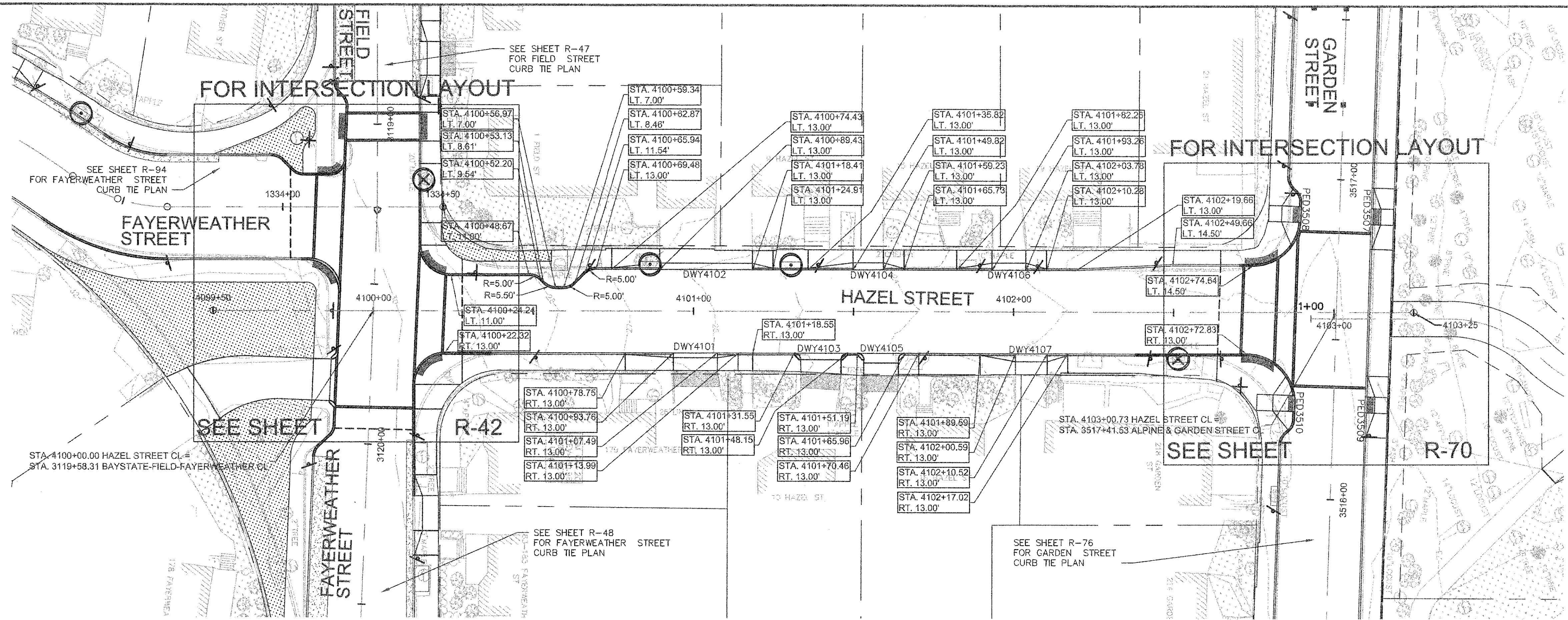


Scale	AS NOTED			
Date	FEBRUARY 2014			
Job No.	20120256.001A			
Designed by	TAL/JRB/FMM			
Drawn by	KJL/DRM/BMS/DRB			
Checked by	CMC/TJR	No.	Description	Date
Approved by	BJM		REVISIONS	



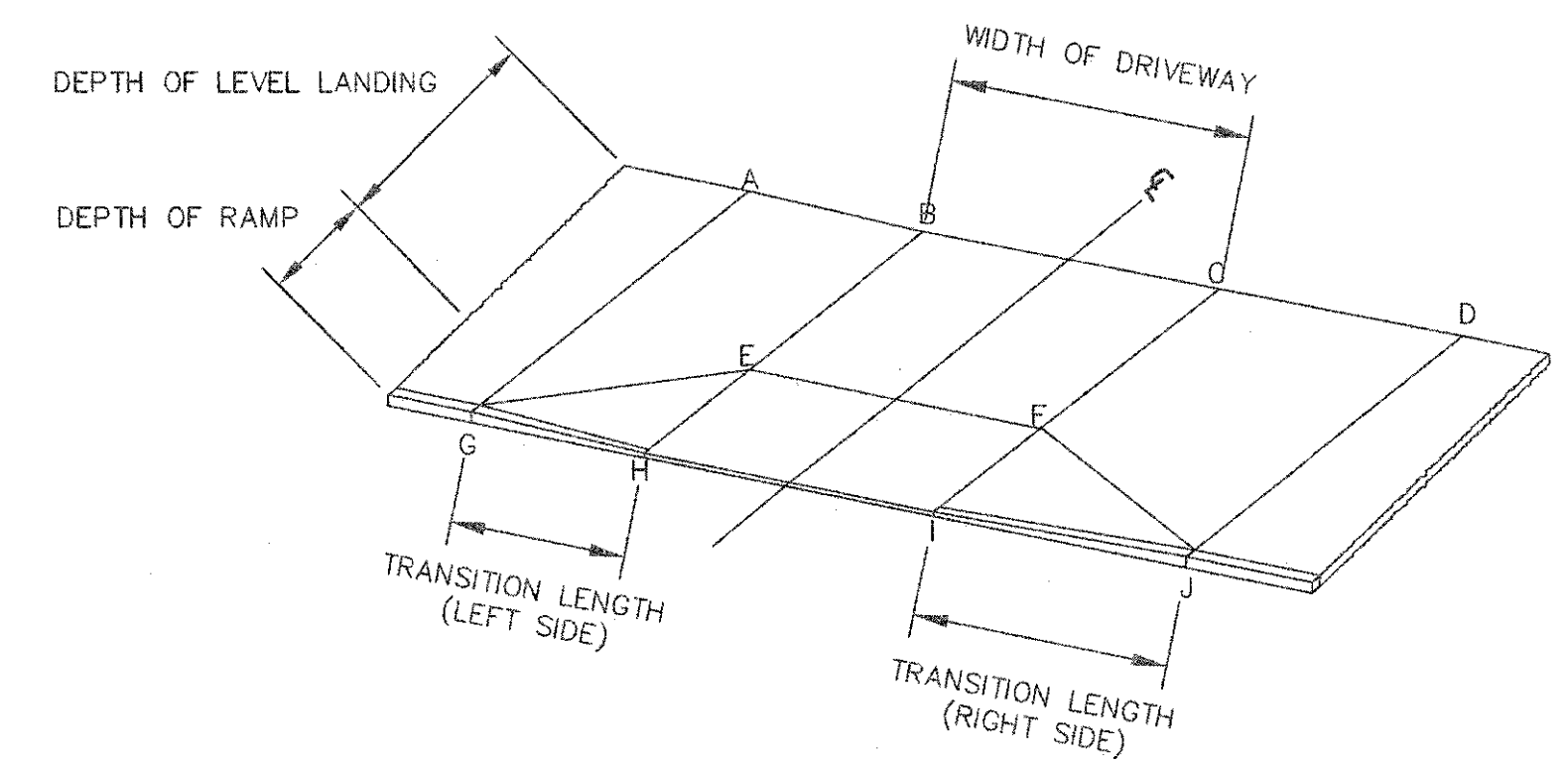
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE HAZEL STREET STA 4100+00 TO 4103+01

Sheet	R-110
File No.	

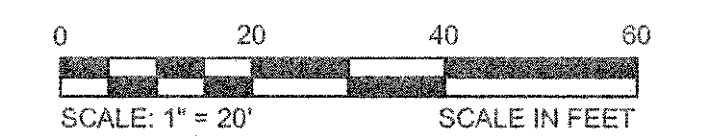


HAZEL STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
4101	1.50	1.50	4.00	4.00	13.73	6.50	15.00	26.30	26.60	27.15	27.80	26.53	27.08	26.30	25.97	26.23	26.78	27.80	27.35
4102	2.00	2.00	4.00	4.00	28.98	15.00	6.50	27.80	27.09	26.08	25.83	27.03	26.02	27.79	27.46	26.85	25.66	25.72	25.39
4103	2.00	2.00	4.00	3.75	12.60	-	15.00	-	24.86	25.22	26.11	24.85	25.20	-	24.68	25.18	26.11	25.78	-
4104	2.25	2.25	4.00	4.00	9.41	14.00	6.50	25.46	24.74	24.54	24.40	24.68	24.49	25.35	24.95	24.42	24.11	24.34	23.93
4105	3.00	3.00	4.00	4.00	10.77	6.50	-	24.70	24.72	24.90	-	24.65	24.87	24.59	23.92	24.12	24.44	-	-
4106	2.25	2.25	4.00	4.00	10.52	11.00	6.50	24.02	23.64	23.33	23.27	23.58	23.27	23.91	23.50	23.27	23.04	23.25	22.91
4107	2.50	2.50	4.00	4.00	9.93	6.50	11.00	23.50	23.34	23.55	24.06	23.28	23.49	23.48	22.90	23.03	23.24	24.05	23.47

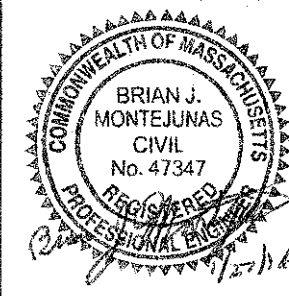
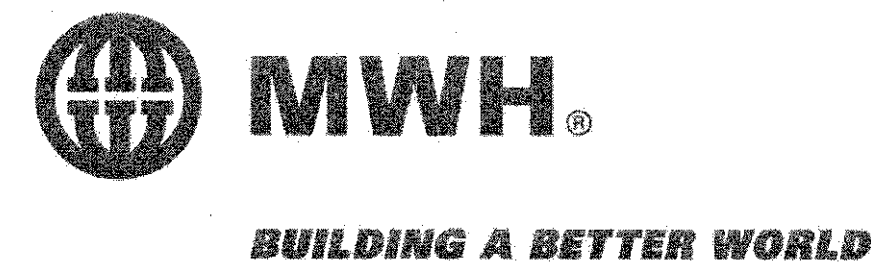


TYPICAL RAMP LEGEND
SCALE: N.T.S.



CONFORMED SET

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 LAYOUT: Hazley.dwg PLOTTED: 2/11/2014 11:31 AM BY: Kyle Langlois

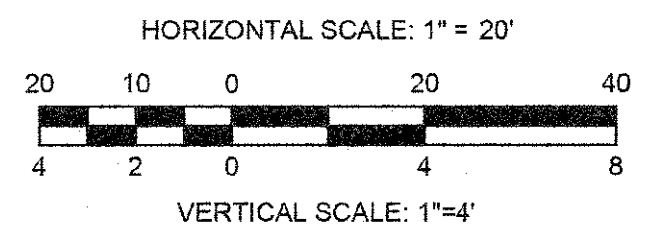
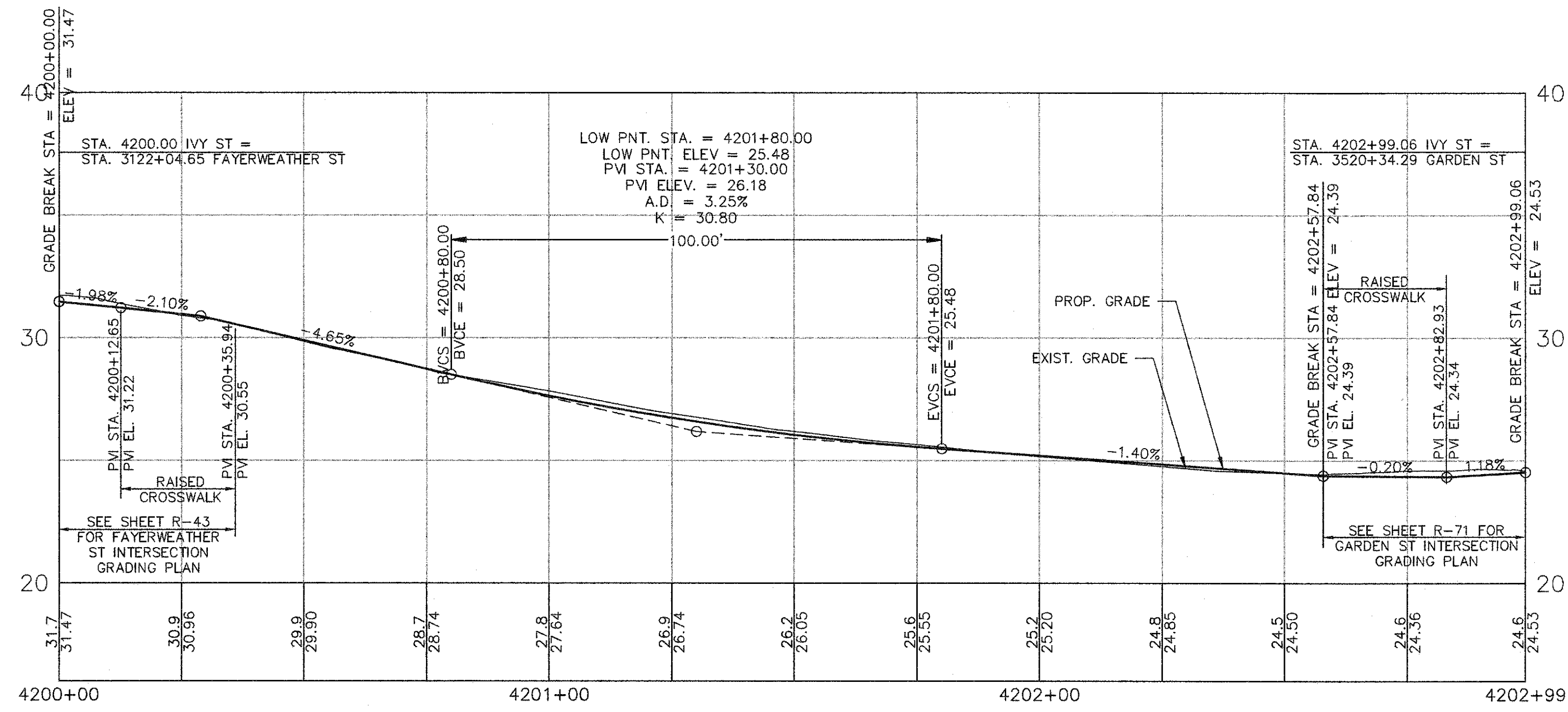
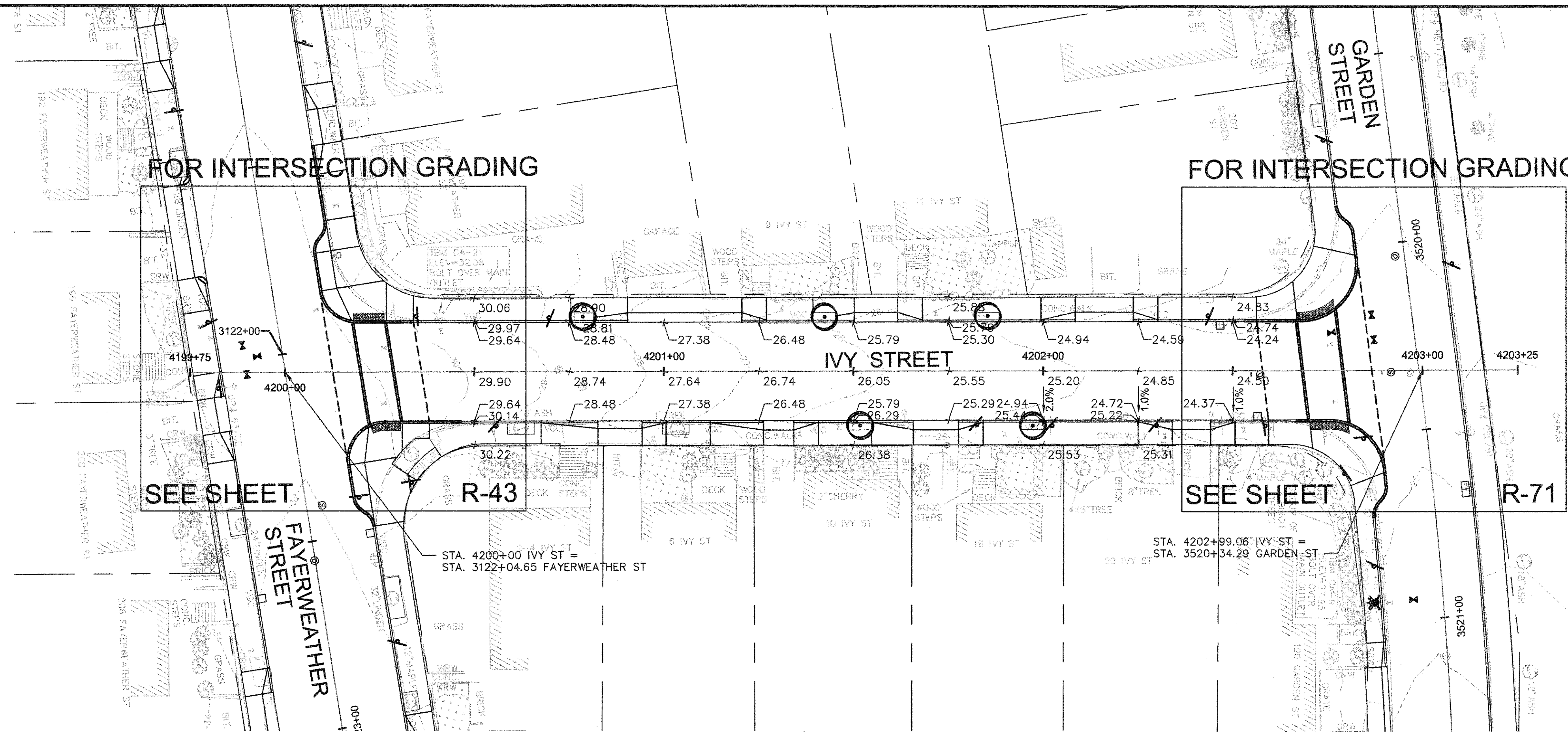


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJU/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



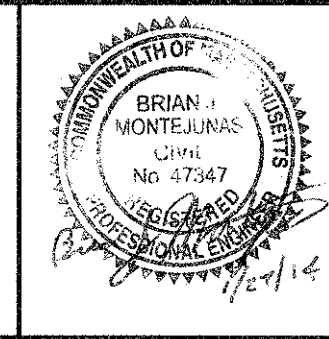
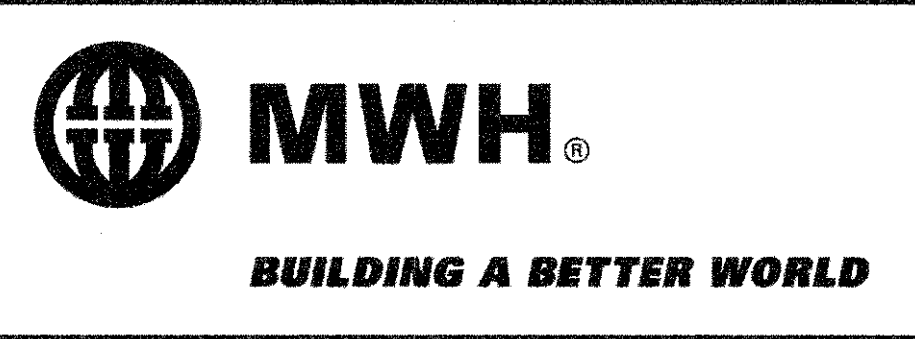
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - CURB TIE PLAN HAZEL STREET STA 4100+00 TO 4103+01

Sheet	R-111
File No.	6228

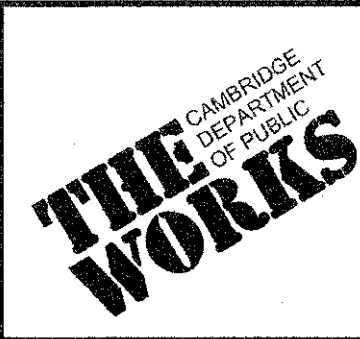


CONFORMED SET

CAD FILE: G:\clients\cambridge\MA2012256\01A - Concord Ave (Contract 9)\Drawings\Civil\Production Drawings\Grading Plan\Grading_Swift\Copied-Hazel-Hy.dwg LAYOUT: IVS1_PLOTTED: 10/27/2015 8:40 PM BY: dme/mccormack

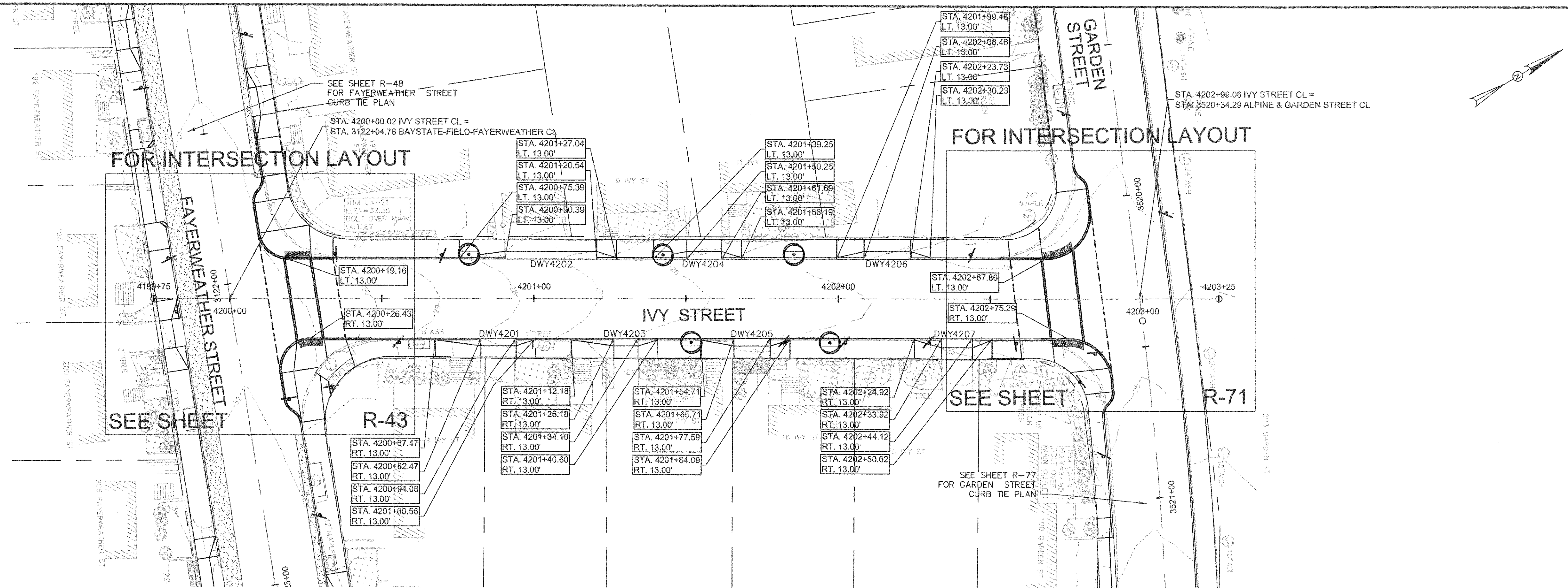


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		Date
REVISIONS			



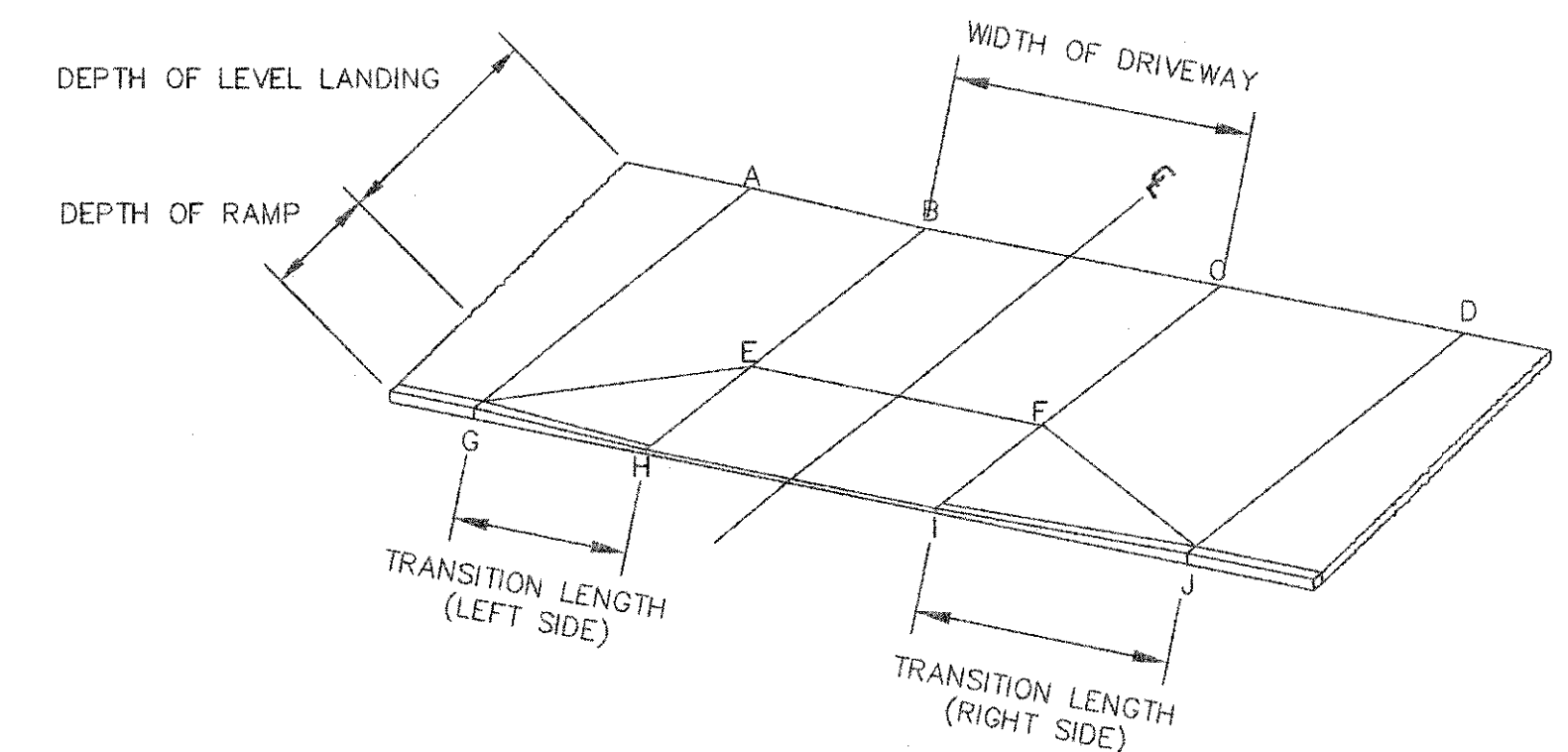
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING PLAN & PROFILE IVY STREET STA 4200+00 TO 4202+99

Sheet	R-113
File No.	

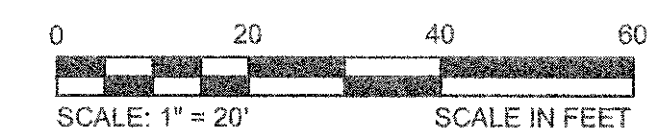


IVY STREET DRIVEWAY RAMP SCHEDULE

DWY #	DEPTH OF RAMP (FT)		DEPTH OF LEVEL LANDING (FT)		WIDTH OF DRIVEWAY (FT)	TRANSITION LENGTH (FT)		ELEVATION											
	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE		LEFT SIDE	RIGHT SIDE	A	B	C	D	E	F	G (TC)	G (BC)	H	I	J (TC)	J (BC)
4201	2.50	2.50	4.00	4.00	11.58	6.50	15.00	27.80	28.07	28.58	29.35	28.01	28.52	27.69	27.36	27.63	28.14	29.33	28.83
4202	2.50	2.50	4.00	4.00	30.16	15.00	6.50	28.80	28.24	27.15	27.20	28.18	27.09	28.79	28.46	27.79	26.64	27.08	26.42
4203	2.50	2.50	4.00	4.00	7.92	6.50	14.00	26.46	26.61	26.86	27.36	26.55	26.80	26.42	26.09	26.25	26.45	27.28	26.95
4204	2.50	2.50	4.00	4.00	11.43	11.00	6.50	26.82	26.29	26.05	26.18	26.23	25.99	26.74	26.08	25.78	25.54	26.07	25.41
4205	2.50	2.50	4.00	4.00	11.88	6.50	11.00	25.92	25.90	26.11	26.18	25.84	26.03	25.81	25.29	25.39	25.58	26.18	25.77
4206	2.50	2.50	4.00	4.00	15.27	9.00	6.50	25.65	25.33	25.12	25.08	25.27	25.06	25.61	24.95	24.82	24.61	24.96	24.52
4207	3.00	3.00	4.00	4.00	10.19	6.50	9.00	24.96	24.97	25.10	25.41	24.90	25.03	24.83	24.37	24.45	24.59	25.30	24.72

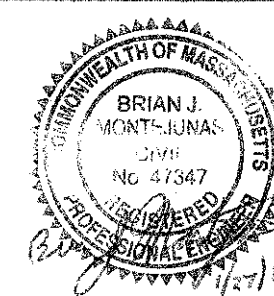


TYPICAL RAMP LEGEND
SCALE: N.T.S.

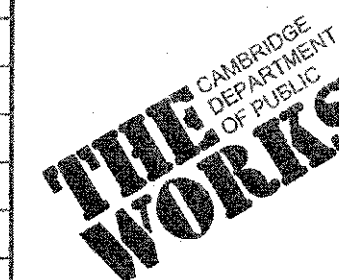


CONFORMED SET

CAD FILE: G:\chris\cambridge\MA\201225\01-A - Concord Ave (Contract 9) Drawings\Civil\Production Drawings\Curb Tie Plan\CurbTie_Saville-Copple-Heath\dwg LAYOUT: kys: PL OTTED: 2/11/2014 11:38 AM BY: Kyle Higgins

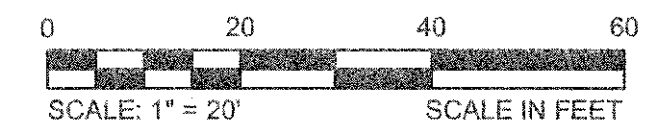
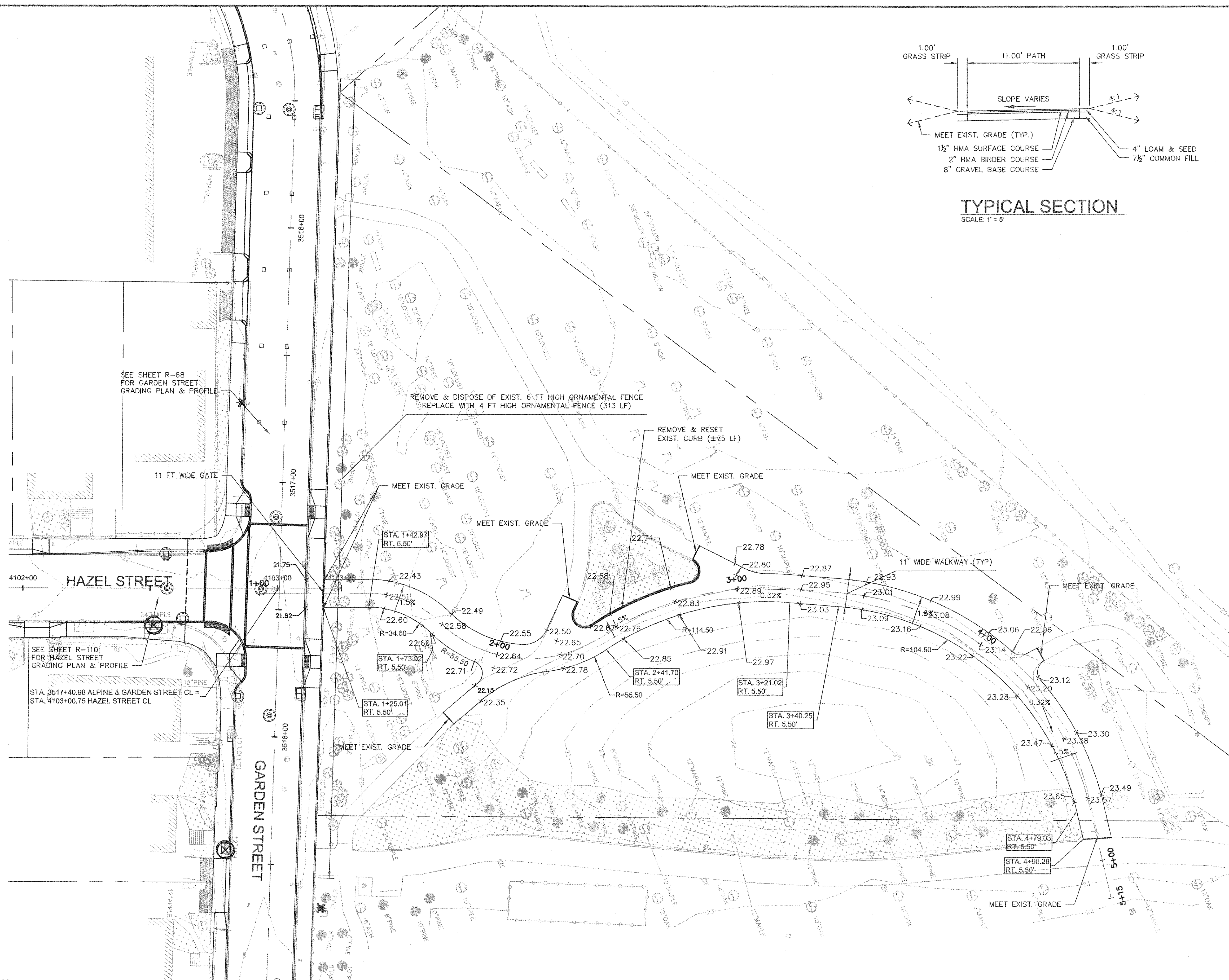


Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJL/DRM/BMS/DRB		
Checked by	CMC/JJR	No.	Description
Approved by	BJM		REVISIONS

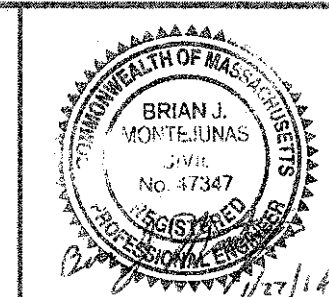


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	R-114
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	6228
Drawing	ROADWAY - CURB TIE PLAN IVY STREET STA 4200+00 TO 4202+99		

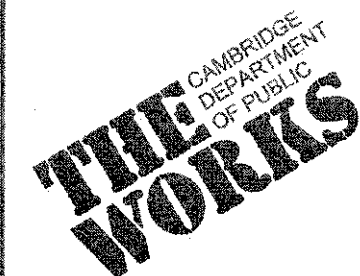
CAD FILE: G:\clients\cambridge\MA2012256\01-A - Concord Ave (Contract 9)\Drawings\Production Drawings\Grading\Grading_Plan\Grading_Plan.dwg LAYOUT: Grading - Danahy Park PLOTTED: 2/12/2014 8:44 AM BY: kyle.larigdis



CONFORMED SET



Scale	AS NOTED		
Date	FEBRUARY 2014		
Job No.	20120256.001A		
Designed by	TAL/JRB/FMM		
Drawn by	KJ/DRM/BMS/DRB		
Checked by	CMC/TJR	No.	Description
Approved by	BJM		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	ROADWAY - GRADING & LAYOUT PLAN DANEHY PARK

Sheet	R-115
File No.	6228