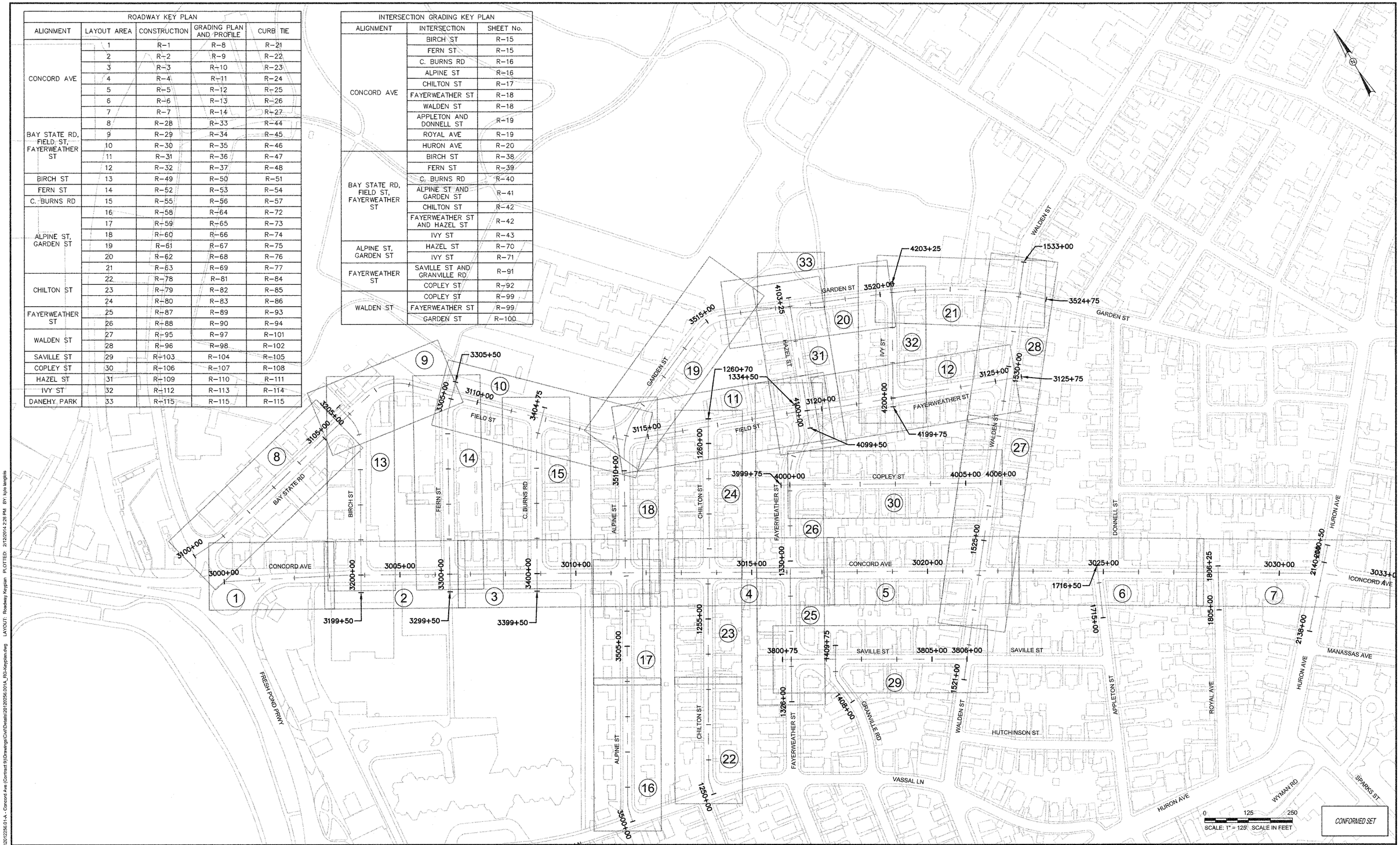
ROADWAY KEY PLAN				
ALIGNMENT	LAYOUT AREA	CONSTRUCTION	GRADING PLAN AND PROFILE	CURB TIE
CONCORD AVE	1	R-1	R-8	R-21
	2	R-2	R-9	R-22
	3	R-3	R-10	R-23
	4	R-4	R-11	R-24
	5	R-5	R-12	R-25
	6	R-6	R-13	R-26
	7	R-7	R-14	R-27
BAY STATE RD, FIELD ST, FAYERWEATHER ST	8	R-28	R-33	R-44
	9	R-29	R-34	R-45
	10	R-30	R-35	R-46
	11	R-31	R-36	R-47
	12	R-32	R-37	R-48
BIRCH ST	13	R-49	R-50	R-51
FERN ST	14	R-52	R-53	R-54
C. BURNS RD	15	R-55	R-56	R-57
ALPINE ST, GARDEN ST	16	R-58	R-64	R-72
	17	R-59	R-65	R-73
	18	R-60	R-66	R-74
	19	R-61	R-67	R-75
	20	R-62	R-68	R-76
	21	R-63	R-69	R-77
CHILTON ST	22	R-78	R-81	R-84
	23	R-79	R-82	R-85
	24	R-80	R-83	R-86
FAYERWEATHER ST	25	R-87	R-89	R-93
	26	R-88	R-90	R-94
WALDEN ST	27	R-95	R-97	R-101
	28	R-96	R-98	R-102
SAVILLE ST	29	R-103	R-104	R-105
COPLEY ST	30	R-106	R-107	R-108
HAZEL ST	31	R-109	R-110	R-111
IVY ST	32	R-112	R-113	R-114
DANEHY PARK	33	R-115	R-115	R-115

INTERSECTION GRADING KEY PLAN		
ALIGNMENT	INTERSECTION	SHEET No.
CONCORD AVE	BIRCH ST	R-15
	FERN ST	R-15
	C. BURNS RD	R-16
	ALPINE ST	R-16
	CHILTON ST	R-17
	FAYERWEATHER ST	R-18
	WALDEN ST	R-18
	APPLETON AND DONNELL ST	R-19
	ROYAL AVE	R-19
	HURON AVE	R-20
BAY STATE RD, FIELD ST, FAYERWEATHER ST	BIRCH ST	R-38
	FERN ST	R-39
	C. BURNS RD	R-40
	ALPINE ST AND GARDEN ST	R-41
	CHILTON ST	R-42
	FAYERWEATHER ST AND HAZEL ST	R-42
	IVY ST	R-43
ALPINE ST, GARDEN ST	HAZEL ST	R-70
	IVY ST	R-71
FAYERWEATHER ST	SAVILLE ST AND GRANVILLE RD	R-91
	COPLEY ST	R-92
WALDEN ST	COPLEY ST	R-99
	FAYERWEATHER ST	R-99
	GARDEN ST	R-100



CONFORMED SET

CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG-Keyplan.dwg LAYOUT: Roadway Keyplan PLOTTED: 2/12/2014 2:29 PM BY: kyle langlois

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COMMONWEALTH OF MASSACHUSETTS
BRIAN J. MONTEJUNAS
CIVIL
No. 47347
REGISTERED PROFESSIONAL ENGINEER

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

No.	Description	Date
	REVISIONS	

THE WORKS
CAMBRIDGE DEPARTMENT OF PUBLIC

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL
ROADWAY KEYPLAN

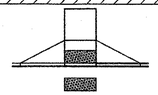
Sheet: RG-1

File No.: 6228

CONSTRUCTION PLAN LEGEND

LIMIT OF WORK MEET EXIST. ROAD, CURB AND SIDEWALK

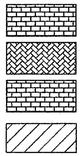
LIMIT OF COLD PLANE AND OVERLAY



PEDESTRIAN RAMP

TACTILE SURFACE

SIGN POST



BRICK SIDEWALK

AT-GRADE PAVERS

RAISED PAVERS

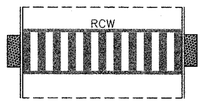
COLD PLANE AND OVERLAY

PROPOSED BUS STOP

EXISTING BUS STOP

EXISTING BUS STOP TO BE REMOVED

RIGHT-OF-WAY PROPERTY LINE



PROPOSED RAISED CROSSWALK

PROPOSED FENCE (SLIDING GATE OR ORNAMENTAL)

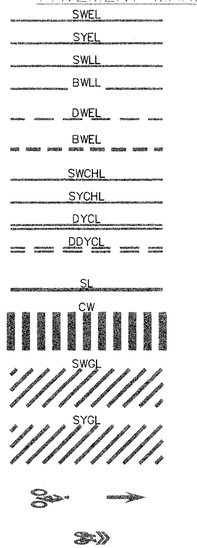
PROPOSED STREET TREE AND TREE PIT

REMOVE EXISTING TREE AND REPLACE WITH PROPOSED STREET TREE AND TREE PIT

PROPOSED TREE (ON PRIVATE PROPERTY)

LIMIT OF BACK OF SIDEWALK RESTORATION RELATED TO SIDEWALK INSTALLATION

PAVEMENT MARKING LEGEND



6" SOLID WHITE EDGE LINE

6" SOLID YELLOW EDGE LINE

6" SOLID WHITE LANE LINE

6" BROKEN WHITE LANE LINE
10' MARK – 30' SKIP

6" DOTTED WHITE EDGE LINE
2' MARK – 4' SKIP

12" DOTTED WHITE EDGE LINE
2' MARK – 3' SKIP

8" SOLID WHITE CHANNELIZATION LINE

8" SOLID YELLOW CHANNELIZATION LINE

2–6" YELLOW CENTER LINE, 12" O.C.

6" DOTTED YELLOW CENTER LINE, 6" GAP
2' MARK – 4' SKIP

WHITE STOP LINE (12" UNLESS OTHERWISE SPECIFIED)

WHITE – CROSSWALK (24" WHITE LINES, 2' O.C.)
(UNLESS OTHERWISE SPECIFIED)

12" SOLID WHITE GORE LINE (5' O.C. @45°)

12" SOLID YELLOW GORE LINE (5' O.C. @45°)

BICYCLIST SYMBOL W/ARROW

BICYCLIST SHARED LANE MARKING

ABBREVIATIONS

A.A.S.H.T.O.	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	FLG.	FLANGE	RCB	REINFORCED CONCRETE BOX
@	AT	FT.	FOOT/FEET	RCP	REINFORCED CONCRETE PIPE
&	AND	FTG.	FOOTING	RCPE	REINFORCED CONCRETE PIPE END
ABAND.	ABANDONED	F&C	FRAME AND COVER	REHAB.	REHABILITATE
ABUT.	ABUTMENT	F&G	FRAME AND GRATE	REINF.	REINFORCING
A.C.I.	AMERICAN CONCRETE INSTITUTE	FRE	FIBER REINFORCED EPOXY	RELOC.	RELOCATED
ADD.	ADDITIONAL	GALV.	GALVANIZED	REM.	REMOVE
ADJ	ADJUST	GC	GRANITE CURB	REMOD.	REMODEL
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	GE	GRANITE EDGING	REQD.	REQUIRED
ALT.	ALTERNATE	GG	GAS GATE	RET.	RETAIN / RETAINING
AMTRAK	NATIONAL RAILROAD PASSENGER CORPORATION	GI	GUTTER INLET	RO.	RIGHT OFFSET
AP or ∠	ANGLE POINT	GICI	GUTTER INLET WITH CURB INLET	R.O.W.	RIGHT OF WAY
APPROX.	APPROXIMATE	GPS	GLOBAL POSITIONING SYSTEMS	RR	RAILROAD
A.R.E.M.A.	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION	GR.	GRADE	R&D	REMOVE AND DISPOSE
		GRAN.	GRANITE	R&R	REMOVE AND RESET
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GRS	GALVANIZED RIGID STEEL	R&S	REMOVE AND STACK
BB	BITUMINOUS BERM	H	HEIGHT	RT.	RIGHT
BC	BOTTOM OF CURB	HDPE	HIGH DENSITY POLYETHYLENE	RTE.	ROUTE
BEN.	PLATFORM BENCH	HORIZ.	HORIZONTAL	SS	SANITARY SEWER
BFV.	BUTTERFLY VALVE	HLP	HIGH LEVEL PLATFORM	SB	STONE BOUND
BIT.	BITUMINOUS	HMA	HOT MIX ASPHALT UNDERLAYMENT	SBC	STONE BOX CULVERT
BL	BASELINE	H.P.	HIGH POINT	SD	SUB-DRAIN
BO	BY OTHERS	HYD.	HYDRANT	SDWLK.	SIDEWALK
BOF	BOTTOM OF FOOTING	IB	INBOUND	SECT.	SECTION
BOS	BOTTOM OF SLOPE	ID	INSIDE DIAMETER	SGC	SLOPED GRANITE CURB
BOT.	BOTTOM	IFT	INTERIM FREIGHT TRACK	SHLO	STATE HIGHWAY LAYOUT
BOW	BOTTOM OF WALL	INV.	INVERT ELEVATION	SHT.	SHEET
BR	BOTTOM OF RAMP	LB.	POUND	SIM.	SIMILAR
BWSC	BOSTON WATER & SEWER COMMISSION	LB	LEACHING BASIN	SMH	SEWER MANHOLE
CB	CATCH BASIN	LF.	LINEAR FOOT	ST.	STREET
CBCI	CATCH BASIN CURB INLET	LOC.	LOCATION	STA	STATION
CCB	CAMBRIDGE CITY BASE DATUM	LO.	LEFT OFFSET	STD	STANDARD
CEM.	CEMENT	L.P.	LOW POINT	SL	STOP LINE
CI	CAST IRON	LP	LIGHT POST	STRUC.	STRUCTURAL
CIP	CAST IN PLACE	LT.	LEFT	TC	TOP OF CURB
℄	CENTERLINE	MASSDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION	TEMP.	TEMPORARY
CLR	CLEAR or CLEARANCE	MB	MAIL BOX	TMH	TELECOMMUNICATION MANHOLE
CLF	CHAIN LINK FENCE	MAX.	MAXIMUM	TOC	TOP OF CONCRETE
CL. I	CLASS 1	MBCR	MASSACHUSETTS BAY COMMUTER RAILROAD COMPANY	TOS	TOP OF SLOPE
CL. III	CLASS 3	MBTA	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	TOW	TOP OF WALL
CL. IV	CLASS 4	M.D.C.	METROPOLITAN DISTRICT COMMISSION (NOW MWRA)	TR	TRASH RECEPTACLE
CL. V	CLASS 5	MH	MANHOLE	TRK	TRACK
CO	CLEAN OUT	MHB	MASSACHUSETTS HIGHWAY BOUND	TSV & B	TAPPING SLEEVE, VALVE AND BOX
COL.	COLUMN	M.H.D.	MASSACHUSETTS HIGHWAY DEPARTMENT	TYP.	TYPICAL
COMM.	COMMUNICATION	MIN.	MINIMUM	T/R	TOP OF RAIL
CONC.	CONCRETE	MISC.	MISCELLANEOUS	UDMH	UNDERDRAIN MANHOLE
COND.	CONDUIT	MP.	MILE POST	U.N.O.	UNLESS OTHERWISE DIRECTED
CONN.	CONNECTION	MPH	MILES PER HOUR	UP	UTILITY POLE
CONST.	CONSTRUCTION	MSE	MECHANICALLY STABILIZED EARTH	VCP	VITRIFIED CLAY PIPE
CONT.	CONTINUOUS, CONTINUATION	MSL.	MEAN SEA LEVEL	VGC	VERTICAL GRANITE CURB
CONTD.	CONTINUED	MSRY.	MASONRY	W/	WITH
CONTR.	CONTRACTOR	MW	MONITORING WELL	WCR	WHEELCHAIR RAMP
CR	COMMUTER RAIL	MWRA	MASSACHUSETTS WATER RESOURCES AUTHORITY	WG	WATER GATE
CSMH	COMBINED SEWER MANHOLE	N/F	NOW OR FORMERLY	WMH	WATER MANHOLE
CW	CROSSWALK	NAD	NORTH AMERICAN DATUM		
CSX	CSX CORPORATION INC.	NGVD	NATIONAL GEODETIC VERTICAL DATUM		
DET.	DETAIL	N.I.C.	NOT IN CONTRACT		
DIP-MJ	DUCTILE IRON PIPE – MECHANICAL JOINT	NO. or #	NUMBER or POUNDS		
DIP	DUCTILE IRON PIPE	N.T.S.	NOT TO SCALE		
DIA. or ⌀	DIAMETER	OB	OUTBOUND		
DIM.	DIMENSION	OC	ON CENTER		
DMH	DRAINAGE MANHOLE	OHW	OVERHEAD WIRES		
DN	DOWN	PBS	PRINT BOTH SIDES		
DWG	DRAWING	PCC	PRECAST CONCRETE CURB		
EA.	EACH	PED.	PEDESTRIAN		
EHH	ELECTRIC HANDHOLE	PERF.	PERFORATED		
EJ	EXPANSION JOINT	ℙ	PROPERTY LINE		
ELEC.	ELECTRICAL	PL.	PLATE		
EL. or ELEV.	ELEVATION	PM	PARKING METER		
EMH	ELECTRICAL MANHOLE	PMH	PRESSURE MANHOLE		
EOW	ELECTRICAL OVERHEAD WIRE	PROP.	PROPOSED		
EQ.	EQUAL or EQUILATERAL	PNT.	POINT		
EXIST.	EXISTING	PVC	POLYVINYL CHLORIDE PIPE		
EXP.	EXPANSION	PVMT.	PAVEMENT		
EXT.	EXTERIOR	R	RADIUS		
FA	FIRE ALARM	RCW	RAISED CROSSWALK		
FND.	FOUNDATION				

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COMMONWEALTH OF MASSACHUSETTS
BRIAN J. MONTE/JINAS
CIVIL
No. 47347
REGISTERED PROFESSIONAL ENGINEER

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	Date
Approved by	BJM	REVISIONS		

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

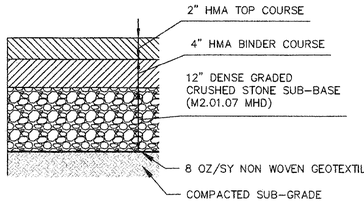
Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL
LEGEND, GENERAL NOTES & ABBREVIATIONS

Sheet: RG-2

File No.: 6228

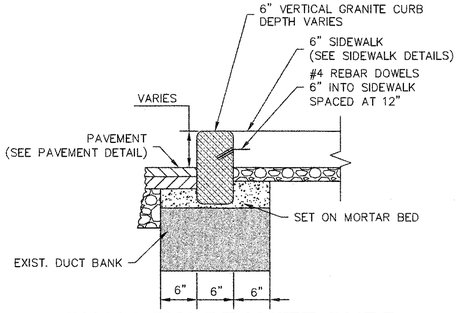
CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG1-Legend-GeneralNotes-Abbreviations.dwg LAYOUT: Legend General Notes & Abbreviations PLOTTED: 2/6/2014 9:53 AM BY: kyle langlois



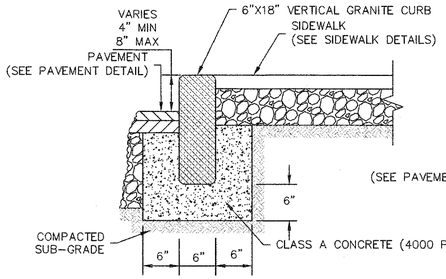
SECTION

NOTES:
1. CONTRACTOR SHALL REMOVE EXISTING PAVEMENT
2. MHD REFERENCES ARE FROM 1988 STANDARD SPECIFICATIONS FOR BRIDGES AND HIGHWAYS (ENGLISH VERSION)
3. SEE SPECIFICATION SECTION 02500 – PAVING AND SURFACING
4. SEE BORING LOGS IN APPENDIX B FOR OBSERVED LOCATIONS OF CONCRETE SUB-BASE. SHOULD THE CONTRACTOR OBSERVE CONCRETE MATERIAL OUTSIDE THE LIMITS PREVIOUSLY OBSERVED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

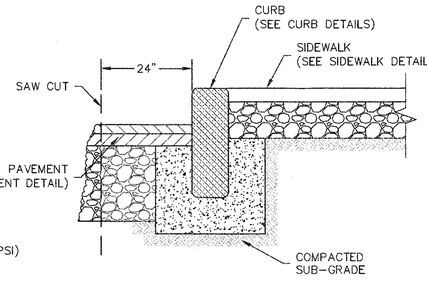
FULL DEPTH PAVING
SCALE: N.T.S.



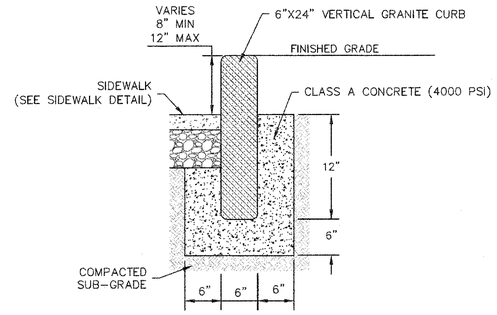
SHALLOW GRANITE CURB
SCALE: N.T.S.



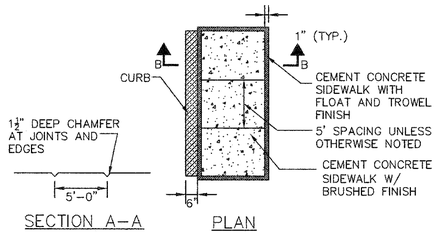
VERTICAL GRANITE CURB
SCALE: N.T.S.



RESET CURB
SCALE: N.T.S.



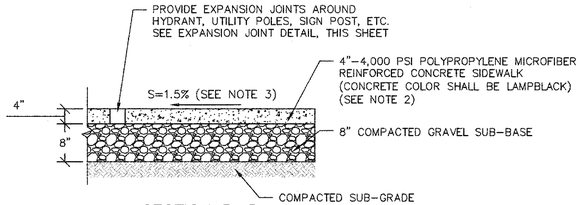
BACK OF SIDEWALK CURB
SCALE: N.T.S.



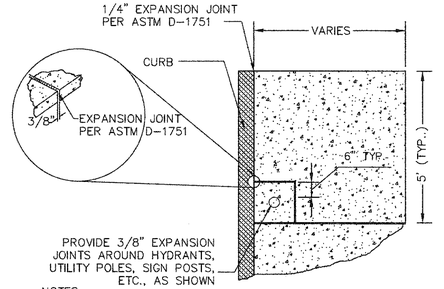
SECTION A–A PLAN

NOTES:
1. NEW SIDEWALK SHALL MATCH WIDTH OF EXISTING SIDEWALK, UNLESS OTHERWISE NOTED.
2. SIDEWALK MATERIAL TO MATCH EXISTING SIDEWALK, UNLESS OTHERWISE NOTED.
3. SIDEWALKS TO BE BUILT ACCORDING TO ADA AND MA AAB REGULATIONS, 2.0% MAX (0% TOLERANCE) CROSS SLOPE.
4. AROUND HYDRANTS, UTILITY POLES, SIGN POSTS ETC., SEE EXPANSION JOINT DETAIL (THIS SHEET).
5. SEE ROADWAY GRADING, RESTORATION PLANS, AND CROSS SECTION SHEETS FOR SIDEWALK GRADES.
6. MINIMUM CLEARANCE OF 3' SHALL BE PROVIDED AT EXISTING TREE PITS, UTILITY POLES, SIGNS, AND OTHER SIDEWALK OBSTRUCTIONS. MINIMUM CLEARANCE OF 4' SHALL BE PROVIDED AT NEW TREE PITS.

CONCRETE SIDEWALK
SCALE: N.T.S.

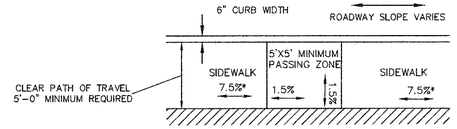


SECTION B–B



NOTES:
1. EXPANSION JOINTS SHALL BE INSTALLED AT BACK OF SIDEWALK STEPS, WALLS, BUILDINGS, AND OTHER STRUCTURES.
2. EXPANSION JOINTS AT BUILDINGS SHALL BE CAULKED.
3. EXPANSION JOINTS SHALL BE USED AT TRANSITIONS BETWEEN NEW AND EXISTING SIDEWALK JOINTS.
4. EXPANSION JOINTS OF 3/8–IN THICK FOAM SHALL BE PLACED EVERY 30 FEET PERPENDICULAR TO CURB ALIGNMENT EXTENDING THROUGH THE SIDEWALK DEPTH. SEE SECTION 02524–3.2C OF THE CONTRACT DOCUMENTS.

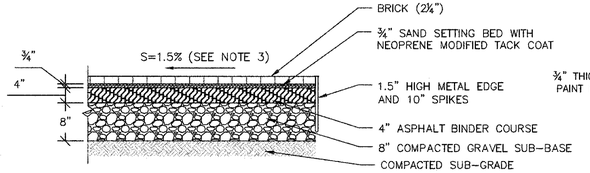
EXPANSION JOINT
SCALE: N.T.S.



NOTES:

* CONTRACTOR TO MEET ADA REQUIREMENTS
MAXIMUM CROSS SLOPE = 2.0%
MAXIMUM TRANSITION RAMP SLOPE = 8.3%

LEVEL PASSING ZONE
SCALE: N.T.S.



NOTES:
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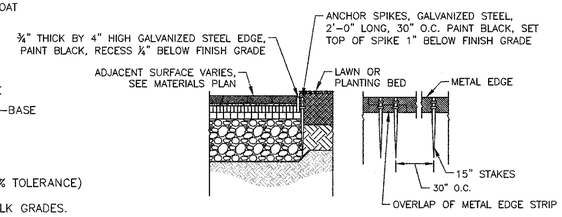
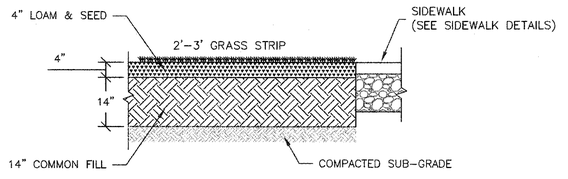
2. SIDEWALK MATERIAL TO MATCH EXISTING SIDEWALK, UNLESS OTHERWISE NOTED.
3. SIDEWALKS TO BE BUILT ACCORDING TO ADA AND MA AAB REGULATIONS, 2.0% MAX (0% TOLERANCE) CROSS SLOPE.
5. SEE ROADWAY GRADING, RESTORATION PLANS, AND CROSS SECTION SHEETS FOR SIDEWALK GRADES.

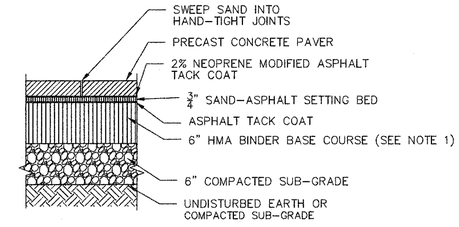
BRICK SIDEWALK
SCALE: N.T.S.



METAL EDGING
SCALE: N.T.S.



SIDEWALK W/ GRASS STRIP
SCALE: N.T.S.



NOTES:

1. HOT MIX ASPHALT BINDER BASE COURSE SHALL BE 6" DEPTH (IN TWO 3 INCH COURSES) AT DRIVEWAYS AND IN STREETS.

2. PAVERS SHALL NORMALLY BE SET IN HERRINGBONE PATTERN, REFER TO BRICK PAVING PLAN–TYPICAL LAYOUT, PROJECT CONTRACT DRAWINGS, OR ENGINEER'S INSTRUCTIONS FOR PARTICULAR LAYOUT INFORMATION.

PRECAST CONC. PAVER ON HMA BASE
SCALE: N.T.S.

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

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

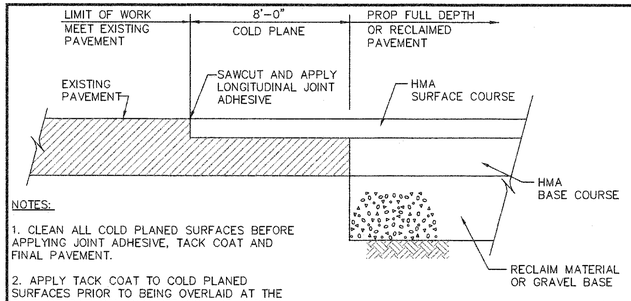
Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL
ROADWAY DETAILS 1 OF 4

Sheet: RG-3

File No.: 6228

CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG-Details.dwg LAYOUT: Roadway Details 1 of 4 PLOTTED: 2/12/2014 2:26 PM BY: kyle langlois



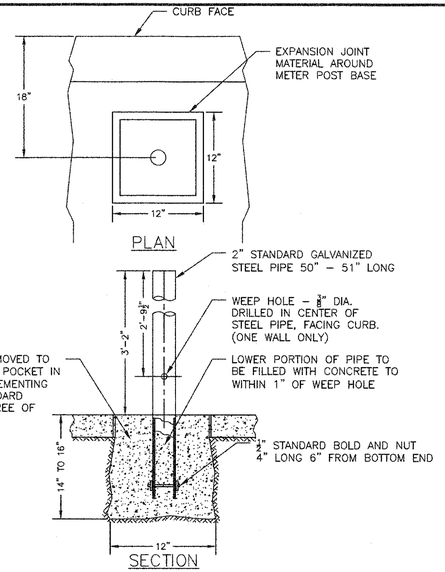
NOTES:

1. CLEAN ALL COLD PLANED SURFACES BEFORE APPLYING JOINT ADHESIVE, TACK COAT AND FINAL PAVEMENT.

2. APPLY TACK COAT TO COLD PLANED SURFACES PRIOR TO BEING OVERLAID AT THE RATE OF 0.10 GALLONS PER SQUARE YARD.

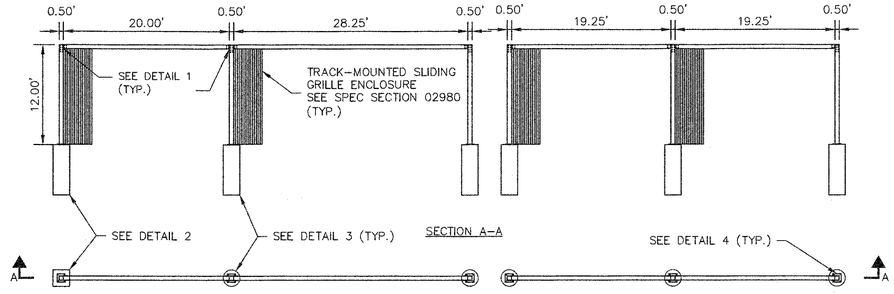
PAVEMENT TRANSITION

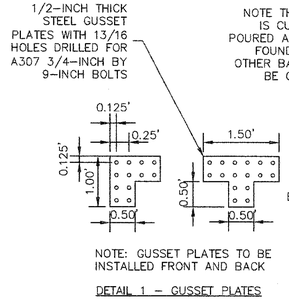
SCALE: N.T.S.

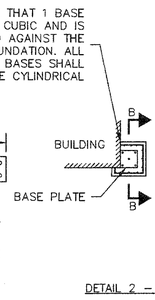


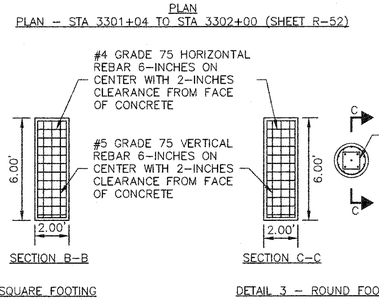
PARKING METER POST

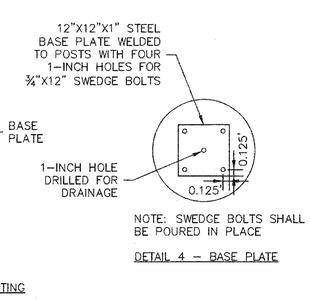
SCALE: N.T.S. ON CONCRETE SIDEWALK

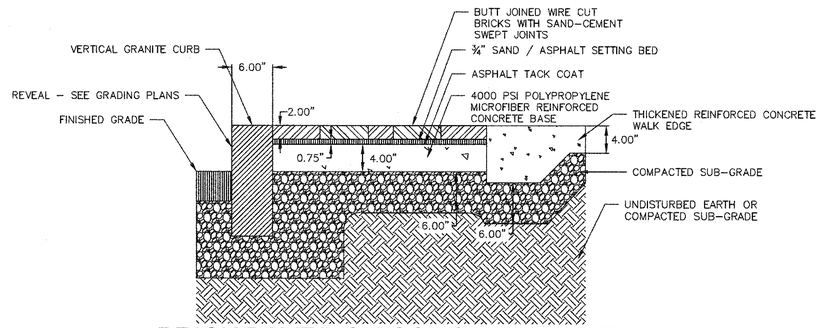










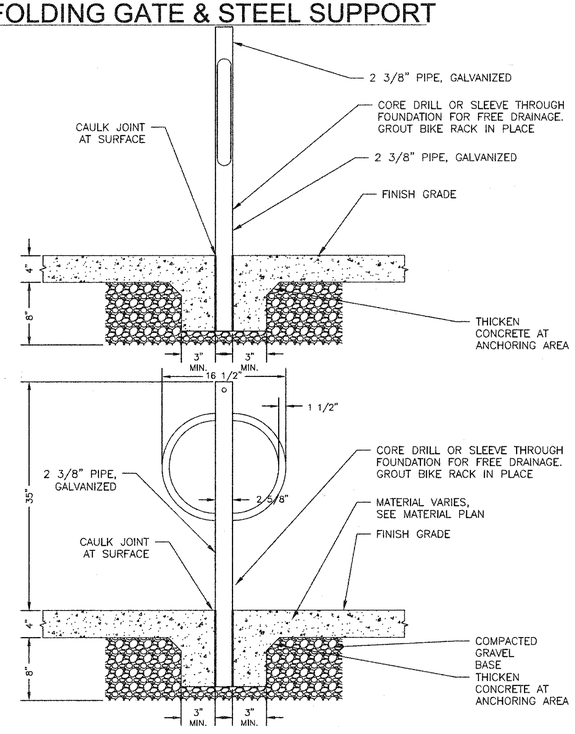


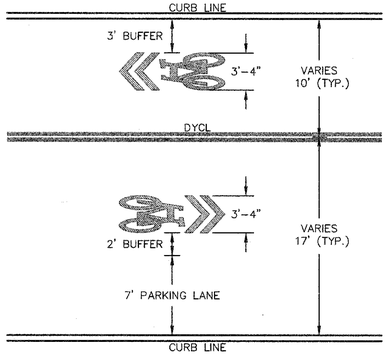
BRICK PAVER ON CONCRETE BASE

SCALE: N.T.S.

SIDE FOLDING GATE & STEEL SUPPORT

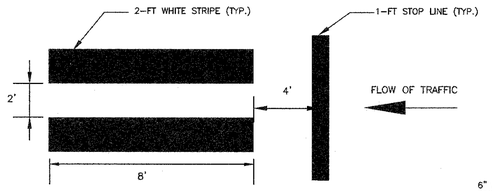
SCALE: N.T.S.





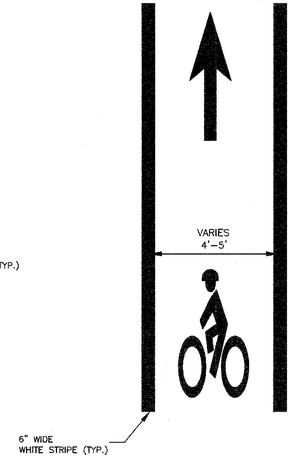
SHARED USE LANE MARKINGS

SCALE: N.T.S.



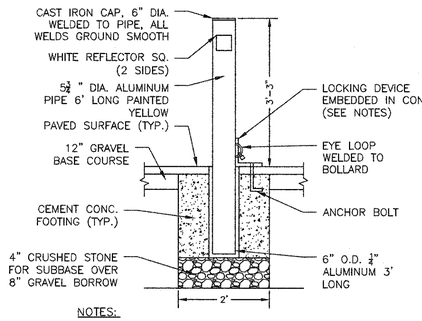
CROSSWALK PAVEMENT MARKING

SCALE: N.T.S.



BICYCLE LANE PAVEMENT MARKING

SCALE: N.T.S.

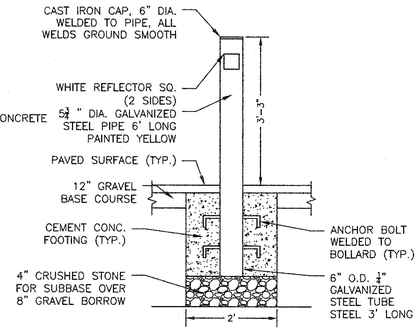


NOTES:

1. LOCKING DEVICE SHALL BE HINGED SO TAHT WHEN THE BOLLARD IS REMOVED, THE LOCKING DEVICE IS FLUSH WITH THE PAVEMENT

REMOVABLE BOLLARD

SCALE: N.T.S.



FIXED BOLLARD

SCALE: N.T.S.

BIKE RING

SCALE: N.T.S.

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COMMONWEALTH OF MASSACHUSETTS
BRIAN J. MONTEJUNAS
CIVIL
No. 47347
REGISTERED PROFESSIONAL ENGINEER

Scale	AS NOTED
Date	FEBRUARY 2014
Job No.	201202256.001A
Designed by	TAL/JRB/FMM
Drawn by	KJL/DRM/BMS/DRB
Checked by	CMC/TJR
Approved by	BJM

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

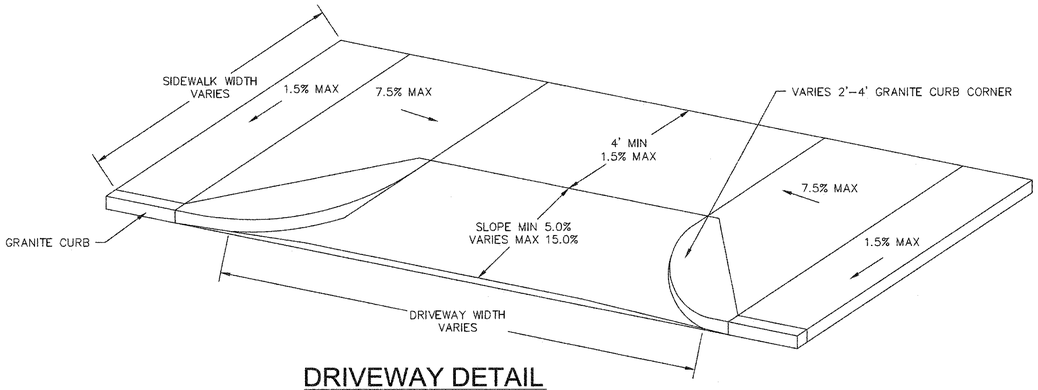
Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL
ROADWAY DETAILS 2 OF 4

Sheet: RG-4

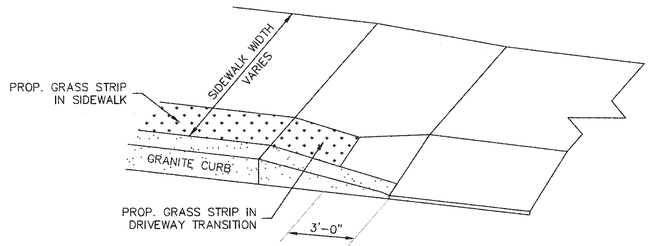
File No.: 6228

CAD FILE: G:_clients\Cambridge MA\201256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\201202256.001A_RG-Details.dwg LAYOUT: Roadway Details 2 of 4 PLOTTED: 2/12/2014 2:25 PM BY: kyle langlois



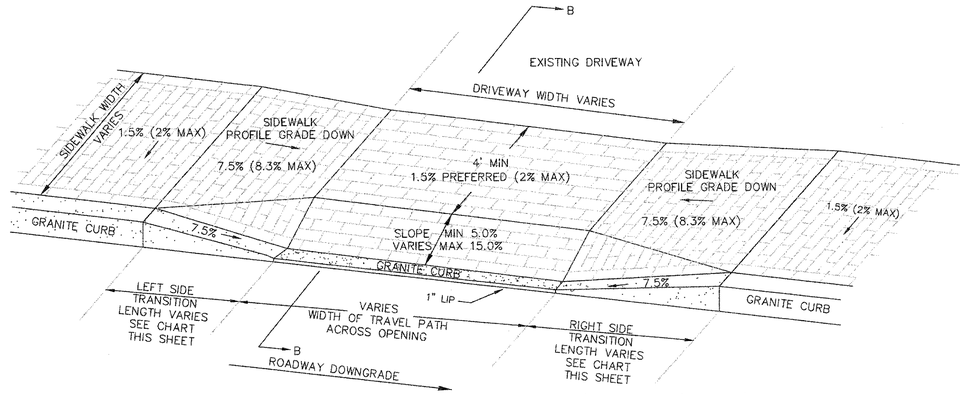
DRIVEWAY DETAIL WITH CURB CORNERS

SCALE: NTS



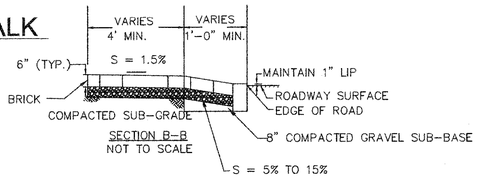
GRASS STRIP AT DRIVEWAY

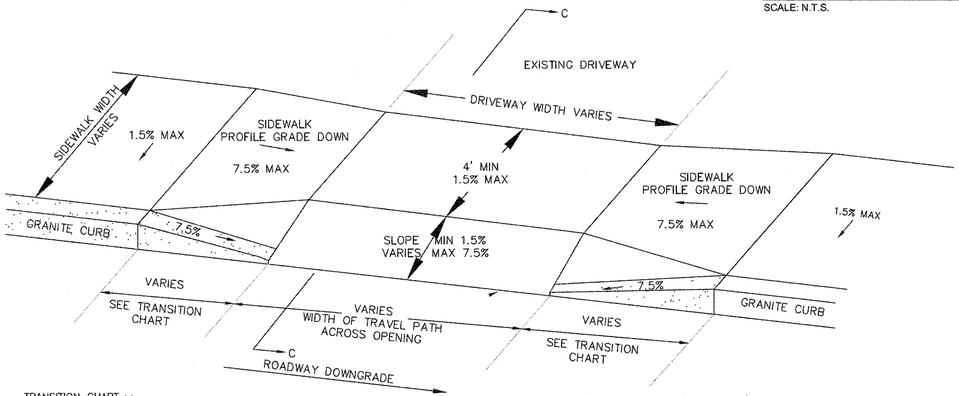
SCALE: N.T.S.



BRICK DRIVEWAY AT SIDEWALK

SCALE: N.T.S.





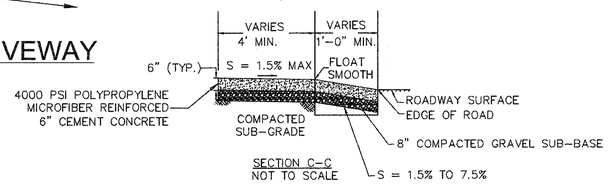
TRANSITION CHART **

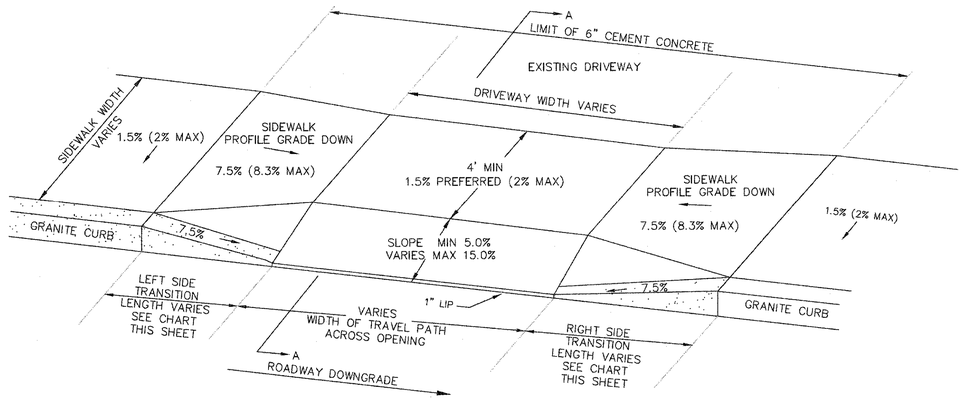
ROADWAY PROFILE GRADE	LENGHTH OF CURB
0.00	6'-6"
>0.00 TO 0.01	7'-8"
>0.01 TO 0.02	9'-0"
>0.02 TO 0.03	11'-0"
>0.03 TO 0.04	14'-0"
>0.04	15'-0" MAX.

** BASED ON A DESIGN SLOPE OF 7.5% AND 6" CURB REVEAL.

ADA DRIVEWAY

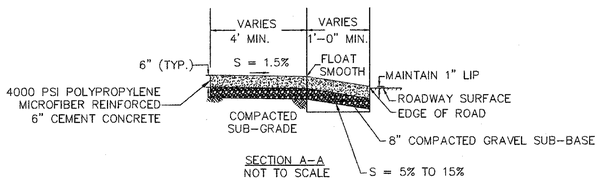
SCALE: N.T.S.





CONCRETE DRIVEWAY AT SIDEWALK

SCALE: N.T.S.



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COMMONWEALTH OF MASSACHUSETTS (BRIAN J. MONTEJUNAS CIVIL No. 47347 REGISTERED PROFESSIONAL ENGINEER) 12/17/14

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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL ROADWAY DETAILS 3 OF 4

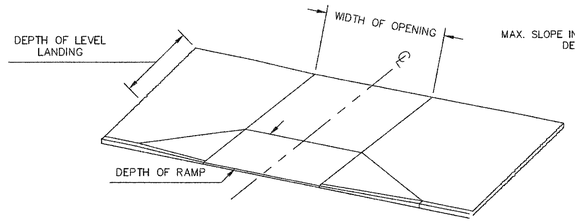
Sheet: RG-5

File No.: 6228

CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG-Details.dwg LAYOUT: Roadway Details 3 of 4 PLOTTED: 2/12/2014 2:25 PM BY: kyle langlois

PEDESTRIAN RAMP SCHEDULE

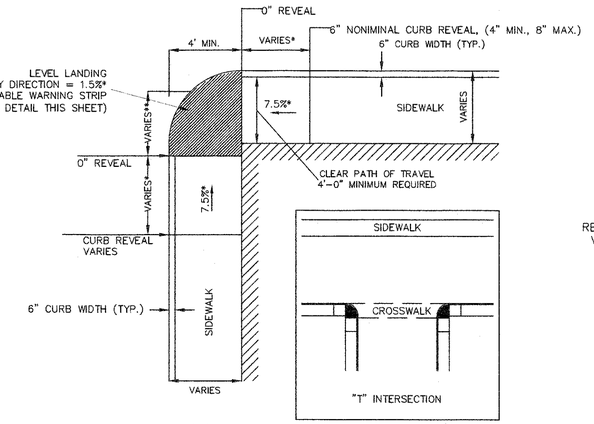
PED #	DEPTH OF RAMP (FT)	DEPTH OF LEVEL LANDING (FT)	WIDTH OF OPENING (FT)
1501	7.46	5.00	5.00
1502	4.12	4.00	5.00
1503	4.25	4.00	5.00
1504	4.22	4.00	5.00
1505	3.00	5.40	5.00
1506	4.00	4.00	5.00
1507	3.50	5.00	5.00
1508	4.50	4.00	5.00
3001	5.00	5.00	5.00
3002	3.28	4.00	5.00
3003	7.00	5.00	5.00
3004	3.28	5.00	5.00
3005	2.89	5.00	5.00
3006	3.28	5.00	5.00
3007	3.00	4.60	5.00
3008	6.50	5.00	5.00
3009	5.50	5.00	5.00
3010	5.50	5.00	5.00
3011	3.00	4.00	5.00
3012	3.31	5.00	5.00
3013	3.28	5.00	5.00
3014	3.50	4.00	5.00
3015	3.78	4.00	5.00
3016	9.50	5.00	5.00
3017	2.50	4.00	5.00
3018	3.97	5.00	5.00
3019	3.00	4.00	5.00
3020	7.00	4.00	5.00
3021	3.50	5.00	5.00
3022	3.50	5.00	5.00
3023	4.81	4.00	5.00
3024	5.00	4.00	5.00
3025	5.37	4.00	5.00
3026	4.50	4.00	5.00
3027	7.25	5.00	5.00
3028	9.00	5.00	5.00
3101	3.30	5.00	5.00
3102	4.64	5.00	5.00
3103	3.50	5.00	5.00
3104	5.60	4.00	5.00
3105	3.00	4.00	5.00
3106	7.00	5.00	5.00
3501	6.00	5.00	5.00
3502	7.50	5.00	5.00
3503	6.50	5.00	5.00
3504	6.50	5.00	5.00
3505	3.44	7.94	5.00
3506	2.58	7.07	5.00
3507	3.00	4.00	5.00
3508	6.00	4.00	5.00
3509	3.00	4.00	5.00
3510	6.63	5.00	5.00
3511	2.90	7.10	5.00
3512	4.00	4.00	5.00
3513	3.00	4.00	5.00
3514	2.50	4.00	5.00



TYPICAL PEDESTRIAN RAMP LEGEND

SCALE: NTS

* WIDTH OF SIDEWALK IS MEASURED AT THE END OF RAMP WING FROM BACK OF CURB TO BACK OF SIDEWALK



LEGEND

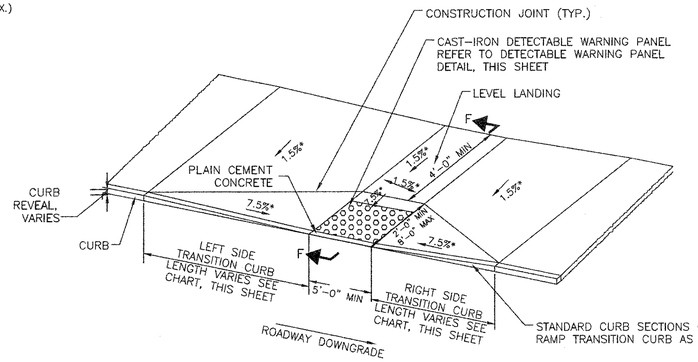
BUILDING OR OTHER UNALTERABLE CONDITION

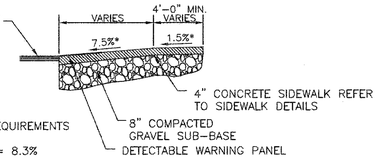
* FOR CURB TRANSITION LENGTHS, REFER TO TRANSITION CHART, THIS SHEET

** RAMP WIDTHS VARY 3'-0" – 5'-4". REFER TO CURB TIE PLANS FOR RAMP WIDTHS

"T" INTERSECTION PEDESTRIAN RAMP

SCALE: N.T.S.



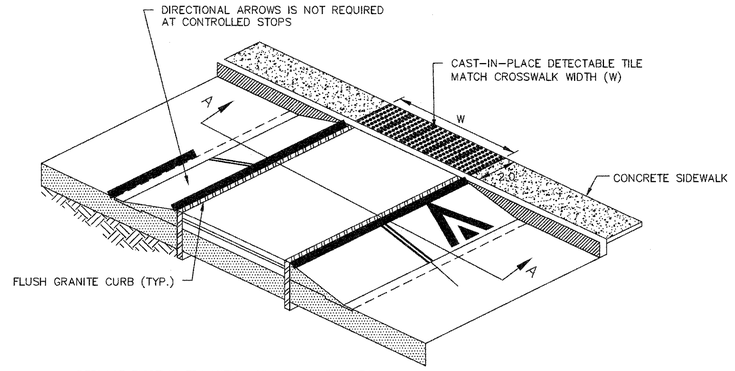


NOTES:

* CONTRACTOR TO MEET ADA REQUIREMENTS
MAXIMUM CROSS SLOPE = 2.0%
MAXIMUM TRANSITION RAMP SLOPE = 8.3%

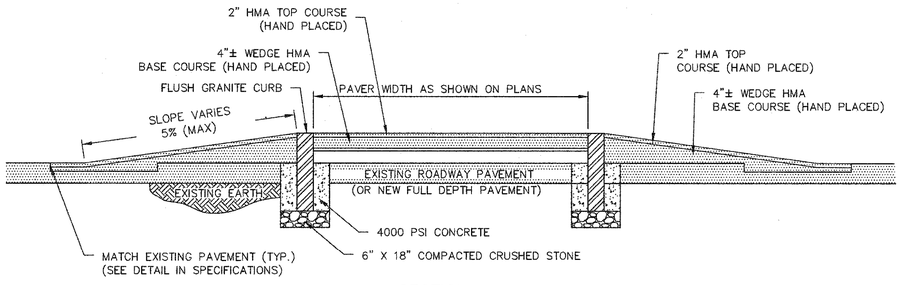
PEDESTRIAN RAMP

SCALE: N.T.S.



* REPLACE EXISTING TRANSITION OR DROP CURB WITH FULL VERTICAL CURB AS REQUIRED.

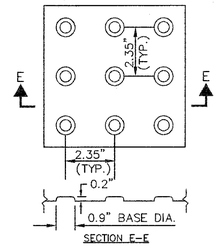
ISOMETRIC PLAN



SECTION A–A

RAISED CROSS WALK

SCALE: N.T.S. (RAISED INTERSECTION IS SIMILAR)



NOTES:

1. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
2. DETECTABLE WARNING PANELS SHALL EXTEND A MIN. OF 2' IN RAMP AND BE CONSTRUCTED OF CAST IRON.
3. DETECTABLE WARNING PANELS WITHIN THE LIMITS OF BRICK OR CONCRETE PAVER INTERSECTIONS (AT-GRADE OR RAISED) TO BE COATED WITH YELLOW POWDER COAT PAINT PROVIDED BY THE MANUFACTURER.

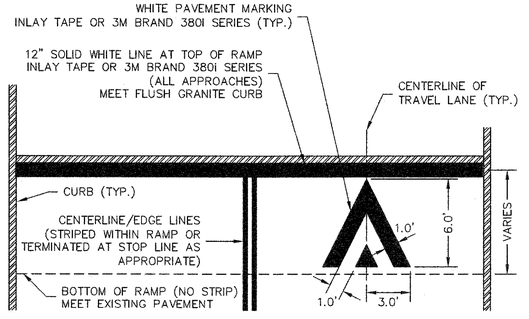
DETECTABLE WARNING PANEL

SCALE: N.T.S.

TRANSITION CHART *

ROADWAY PROFILE GRADE	LENGHTH OF CURB
0.00	6'-6"
>0.00 TO 0.01	7'-8"
>0.01 TO 0.02	9'-0"
>0.02 TO 0.03	11'-0"
>0.03 TO 0.04	14'-0"
>0.04	15'-0" MAX.

* BASED ON A DESIGN SLOPE OF 7.5% AND 6" CURB REVEAL.



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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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL
ROADWAY DETAILS 4 OF 4

Sheet: RG-6

File No.: 6228

CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG-Details.dwg LAYOUT: Roadway Details 4 of 4 PLOTTED: 2/12/2014 2:25 PM BY: kyle langlois

ID #	SIZE OF SIGN (IN)		SIGN	TEXT DIMENSIONS			NUMBERS OF SIGNS REQUIRED	COLOR			POST SIZE	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
R1-1	30	30	STOP	SEE 2009 MUTCD			24	SEE 2009 MUTCD			P5-1	6.25	150.00
R2-1	24	30	SPEED LIMIT 25				8				P5-1	5.00	40.00
R3-1	24	24					1				P5-1	4.00	4.00
R3-2	24	24					2				P5-1	4.00	8.00
R3-17	30	24	BIKE LANE				1				P5-1	5.00	5.00
R3-17b	30	12	ENDS				3				P5-1	2.50	7.50
R3-17c	30	24	BIKE PATH				2				P5-1	5.00	10.00
R4-7	24	30					1				P5-1	5.00	5.00
R5-1	30	30	DO NOT ENTER				19				P5-1	6.25	118.75
R5-2	30	30					5				P5-1	6.25	31.25
R6-1	36	12	ONE WAY PBS				24				P5-1	3.00	72.00
R6-2L	24	30	ONE WAY				2				P5-1	5.00	10.00
R6-2R	24	30	ONE WAY				2				P5-1	5.00	10.00
R7-1D	12	18	NO PARKING ANY TIME				0				P5-1	1.50	0.00
R7-1L	12	18	NO PARKING ANY TIME				2				P5-1	1.50	3.00
R7-1L	12	18	NO PARKING ANY TIME				2				P5-1	1.50	3.00
R7-6D	12	18	NO PARKING LOADING ZONE				1				P5-1	1.50	1.50

ID #	SIZE OF SIGN (IN)		SIGN	TEXT DIMENSIONS			NUMBERS OF SIGNS REQUIRED	COLOR			POST SIZE	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
R7-6L	12	18	NO PARKING LOADING ZONE	SEE 2009 MUTCD			1	SEE 2009 MUTCD			P5-1	1.50	1.50
R7-6R	12	18	NO PARKING LOADING ZONE				1				P5-1	1.50	1.50
R7-107aR	12	36	T				8				P5-1	3.00	24.00
R7-107bL	12	36	T				6				P5-1	3.00	18.00
R7-108aD	12	18	30 MIN PARKING 8AM-6PM EXCEPT SUNDAYS				0				P5-1	1.50	0.00
R7-108aL	12	18	30 MIN PARKING 8AM-6PM EXCEPT SUNDAYS				1				P5-1	1.50	1.50
R7-108aR	12	18	30 MIN PARKING 8AM-6PM EXCEPT SUNDAYS				2				P5-1	1.50	3.00
R7-108bD	12	18	1 HR PARKING 8AM-6PM EXCEPT SUNDAYS				2				P5-1	1.50	3.00
R7-108bL	12	18	1 HR PARKING 8AM-6PM EXCEPT SUNDAYS				4				P5-1	1.50	6.00
R7-108bR	12	18	1 HR PARKING 8AM-6PM EXCEPT SUNDAYS				2				P5-1	1.50	3.00
R7-201	12	6	TOW-AWAY ZONE				2				P5-1	0.50	1.00
R10-6	24	36	STOP HERE ON RED				2				P5-1	6.00	12.00
R10-11b	24	24	NO TURN ON RED				13				P5-1	4.00	52.00
R-NO BIKE PKG	8	8	NO BICYCLE PARKING TO ANY DISABILITY/HANDICAP SIGN POLE VIOLATORS SUBJECT TO $100 FINE & TOW AT OWNER'S EXPENSE IF FINE NOT PAID				2				P5-1	0.44	0.89
R-RMV	12	18	RMV ROAD TEST PARKING ONLY				1				P5-1	1.50	1.50
												TOTAL THIS SHEET	607.89

NOTES:
1. PROPOSED STOP AND YIELD SIGNS ARE SUBJECT TO FIELD INVESTIGATION BY THE CITY OF CAMBRIDGE TO JUSTIFY WARRANTS PRIOR TO INSTALLATION.
2. HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2009 EDITION, THE 1996 "MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DETAILS" (AS RELATED TO TRAFFIC STANDARD DETAILS ONLY), CITY OF CAMBRIDGE SPECIFICATIONS, AND ALL AMENDMENTS WILL GOVERN.
3. PARKING SIGNS SHALL BE MOUNTED 45° TO CURB FACE WHILE REGULATORY AND WARNING SIGN SHALL BE MOUNTED 90° TO CURB FACE.
4. PBS = PRINT BOTH SIDES
5. CONTRACTOR SHALL COORDINATE WITH MBTA TO OBTAIN CUSTOM MADE MBTA BUS STOP SIGNAGE. (REFER TO R7-107 SERIES SIGNS).

CONFORMED SET

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COMMONWEALTH OF MASSACHUSETTS — BRIAN J. MONTEJUNAS — CIVIL — No. 47347 — REGISTERED PROFESSIONAL ENGINEER

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		

THE CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL PERMANENT SIGNAGE SCHEDULE 1 OF 3

Sheet: RG-7

File No.: 6228

ID #	SIZE OF SIGN (IN)		SIGN	TEXT DIMENSIONS			NUMBERS OF SIGNS REQUIRED	COLOR			POST SIZE	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
D3-1	24	9	ALPINE ST	SEE 2009 MUTCD			2	SEE 2009 MUTCD			P5-1	1.50	3.00
D3-2	30	9	APPLETON ST				1				P5-1	1.88	1.88
D3-3	30	9	BAY STATE RD				3				P5-1	1.88	5.63
D3-4	24	9	BIRCH ST				2				P5-1	1.50	3.00
D3-5	30	9	CHILTON ST				3				P5-1	1.88	5.63
D3-6	30	9	CONCORD AVE				8				P5-1	1.88	15.00
D3-7	24	9	COPLEY ST				1				P5-1	1.50	1.50
D3-8	30	9	CORP. BURNS RD				2				P5-1	1.88	3.75
D3-9	30	9	DONNELL ST				1				P5-1	1.88	1.88
D3-10	30	9	FAYERWEATHER ST				6				P5-1	1.88	11.25
D3-11	24	9	FERN ST				2				P5-1	1.50	3.00
D3-12	24	9	FIELD ST				6				P5-1	1.50	9.00
D3-13	30	9	FRESH POND PKWY				0				P5-1	1.88	0.00
D3-14	24	9	GARDEN ST				3				P5-1	1.50	4.50
D3-15	30	9	GRANVILLE RD				1				P5-1	1.88	1.88
D3-16	24	9	HAZEL ST				2				P5-1	1.50	3.00
D3-17	24	9	HURON AVE				1				P5-1	1.50	1.50
D3-18	24	9	IVY ST				2				P5-1	1.50	3.00
D3-19	24	9	NEW ST				1				P5-1	1.50	1.50
D3-20	24	9	ROYAL AVE				1				P5-1	1.50	1.50
D3-21	24	9	SAVILLE ST				1				P5-1	1.50	1.50
D3-22	24	9	WALDEN ST				5				P5-1	1.50	7.50
D15-1	108	48	← 2 E 16 W 3 S Boston ↑ 2 W 16 E 3 N				1				P5-1	36.00	36.00

ID #	SIZE OF SIGN (IN)		SIGN	TEXT DIMENSIONS			NUMBERS OF SIGNS REQUIRED	COLOR			POST SIZE	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
S1-1	36	36		SEE 2009 MUTCD			4	SEE 2009 MUTCD			P5-1	9.00	36.00
W1-2L	30	30					2				P5-1	6.25	12.50
W1-2R	30	30					4				P5-1	6.25	25.00
W1-4L	30	30					3				P5-1	6.25	18.75
W1-4R	30	30					3				P5-1	6.25	18.75
W1-7	24	12					1				P5-1	2.00	2.00
W1-8L	18	24					5				P5-1	3.00	15.00
W1-8R	18	24					0				P5-1	3.00	0.00
W11A-2	30	30					13				P5-1	6.25	81.25
W13-1	18	18					9				P5-1	2.25	20.25
W15-1	30	30					2				P5-1	6.25	12.50
W16-7pL	24	12					13				P5-1	2.00	26.00
W-INTERSECTION	30	30					3				P5-1	6.25	18.75
												TOTAL THIS SHEET	413.13

NOTES:
1. PROPOSED STOP AND YIELD SIGNS ARE SUBJECT TO FIELD INVESTIGATION BY THE CITY OF CAMBRIDGE TO JUSTIFY WARRANTS PRIOR TO INSTALLATION.
2. HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2009 EDITION, THE 1996 "MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DETAILS" (AS RELATED TO TRAFFIC STANDARD DETAILS ONLY), CITY OF CAMBRIDGE SPECIFICATIONS, AND ALL AMENDMENTS WILL GOVERN.
3. PARKING SIGNS SHALL BE MOUNTED 45° TO CURB FACE WHILE REGULATORY AND WARNING SIGN SHALL BE MOUNTED 90° TO CURB FACE.
4. PBS = PRINT BOTH SIDES
5. CONTRACTOR SHALL COORDINATE WITH MBTA TO OBTAIN CUSTOM MADE MBTA BUS STOP SIGNAGE. (REFER TO R7-107 SERIES SIGNS).

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COMMONWEALTH OF MASSACHUSETTS
BRIAN J. MONTEJUNAS
CIVIL
No. 47347
REGISTERED PROFESSIONAL ENGINEER
2/28/14

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		

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL
PERMANENT SIGNAGE SCHEDULE 2 OF 3

Sheet: RG-8

File No.: 6228

ID #	SIZE OF SIGN (IN)		SIGN	TEXT DIMENSIONS			NUMBERS OF SIGNS REQUIRED	COLOR			POST SIZE	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
CT-110DA	12	18	TOW ZONE NO STOPPING ANYTIME	SEE CITY OF CAMBRIDGE STANDARDS			46	SEE CITY OF CAMBRIDGE STANDARDS			P5-1	1.50	69.00
CT-110LA	12	18	TOW ZONE NO STOPPING ANYTIME				11				P5-1	1.50	16.50
CT-110RA	12	18	TOW ZONE NO STOPPING ANYTIME				13				P5-1	1.50	19.50
CT-199	12	18	TOW ZONE NO PARKING SNOW EMERGENCY				19				P5-1	1.50	28.50
CT-200DA	12	18	PARKING BY PERMIT ONLY EXCEPT SUNDAYS				0				P5-1	1.50	0.00
CT-200LA	12	18	PARKING BY PERMIT ONLY EXCEPT SUNDAYS				1				P5-1	1.50	1.50
CT-200RA	12	18	PARKING BY PERMIT ONLY EXCEPT SUNDAYS				0				P5-1	1.50	0.00
CT-210aDA	24	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH TUESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS + PARKING BY PERMIT ONLY EXCEPT SUNDAYS				41				P5-1	3.00	123.00
CT-210aLA	24	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH TUESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS + PARKING BY PERMIT ONLY EXCEPT SUNDAYS				5				P5-1	3.00	15.00
CT-210aRA	24	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH TUESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS + PARKING BY PERMIT ONLY EXCEPT SUNDAYS				7				P5-1	3.00	21.00
CT-210bDA	24	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH WEDNESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS + PARKING BY PERMIT ONLY EXCEPT SUNDAYS				50				P5-1	3.00	150.00
CT-210bLA	24	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH WEDNESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS + PARKING BY PERMIT ONLY EXCEPT SUNDAYS				7				P5-1	3.00	21.00
CT-210bRA	24	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH WEDNESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS + PARKING BY PERMIT ONLY EXCEPT SUNDAYS				9				P5-1	3.00	27.00

ID #	SIZE OF SIGN (IN)		SIGN	TEXT DIMENSIONS			NUMBERS OF SIGNS REQUIRED	COLOR			POST SIZE	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
CT-300DA	12	18	TOW ZONE NO PARKING LOADING ZONE 8AM-6PM EXCEPT SUNDAYS	SEE CITY OF CAMBRIDGE STANDARDS			0	SEE CITY OF CAMBRIDGE STANDARDS			P5-1	1.50	0.00
CT-300LA	12	18	TOW ZONE NO PARKING LOADING ZONE 8AM-6PM EXCEPT SUNDAYS				1				P5-1	1.50	1.50
CT-300RA	12	18	TOW ZONE NO PARKING LOADING ZONE 8AM-6PM EXCEPT SUNDAYS				1				P5-1	1.50	1.50
CT-390a	12	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH TUESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS				6				P5-1	1.50	9.00
CT-390b	12	18	TOW ZONE NO PARKING STREET CLEANING 8AM TO 2PM 4TH WEDNESDAY EACH MONTH APR. 1ST TO NOV. 1ST EXCEPT HOLIDAYS				26				P5-1	1.50	39.00
CT-800DA	12	18	RESERVED PARKING VIOLATORS WILL BE FINED $100 TOWED				0				P5-1	1.50	0.00
CT-800LA	12	18	RESERVED PARKING VIOLATORS WILL BE FINED $100 TOWED				4				P5-1	1.50	6.00
CT-800RA	12	18	RESERVED PARKING VIOLATORS WILL BE FINED $100 TOWED				4				P5-1	1.50	6.00
CT-ADA-DA	12	18	ACCESSIBLE ROUTE				2				P5-1	1.50	3.00
CT-ADA-LA	12	18	ACCESSIBLE ROUTE				4				P5-1	1.50	6.00
CT-ADA-RA	12	18	ACCESSIBLE ROUTE				4				P5-1	1.50	6.00
												TOTAL THIS SHEET	570.00

NOTES:
1. PROPOSED STOP AND YIELD SIGNS ARE SUBJECT TO FIELD INVESTIGATION BY THE CITY OF CAMBRIDGE TO JUSTIFY WARRANTS PRIOR TO INSTALLATION.
2. HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2009 EDITION, THE 1996 "MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DETAILS" (AS RELATED TO TRAFFIC STANDARD DETAILS ONLY), CITY OF CAMBRIDGE SPECIFICATIONS, AND ALL AMENDMENTS WILL GOVERN.
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4. PBS = PRINT BOTH SIDES
5. CONTRACTOR SHALL COORDINATE WITH MBTA TO OBTAIN CUSTOM MADE MBTA BUS STOP SIGNAGE. (REFER TO R7-107 SERIES SIGNS).

CONFORMED SET

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COMMONWEALTH OF MASSACHUSETTS
BRIAN J. MONTEJUNAS
CIVIL
No. 47247
REGISTERED PROFESSIONAL ENGINEER
4/29/14

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		

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

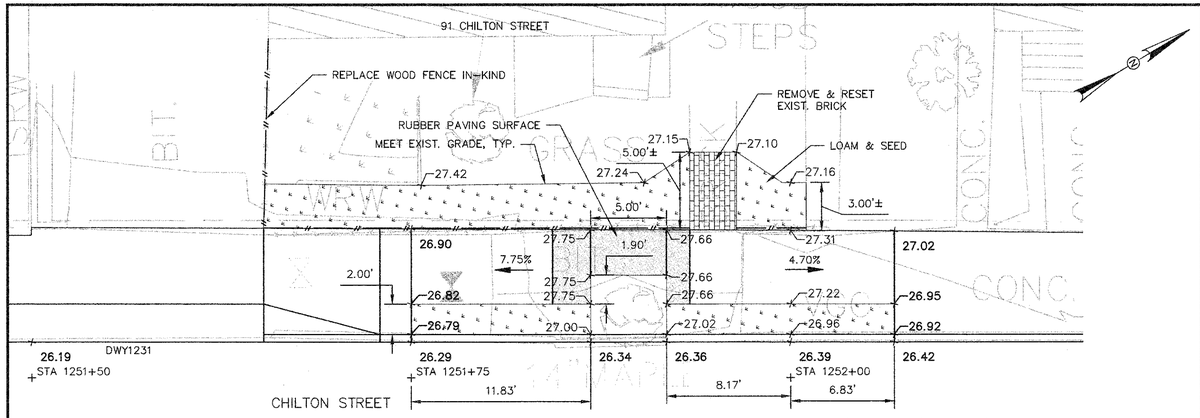
Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: ROADWAY GENERAL PERMANENT SIGNAGE SCHEDULE 3 OF 3

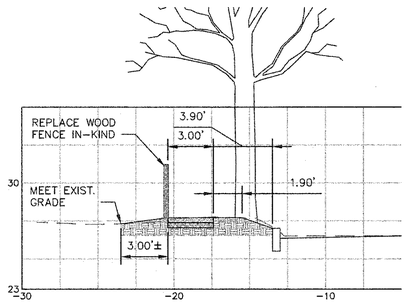
Sheet: RG-9

File No.: 6228

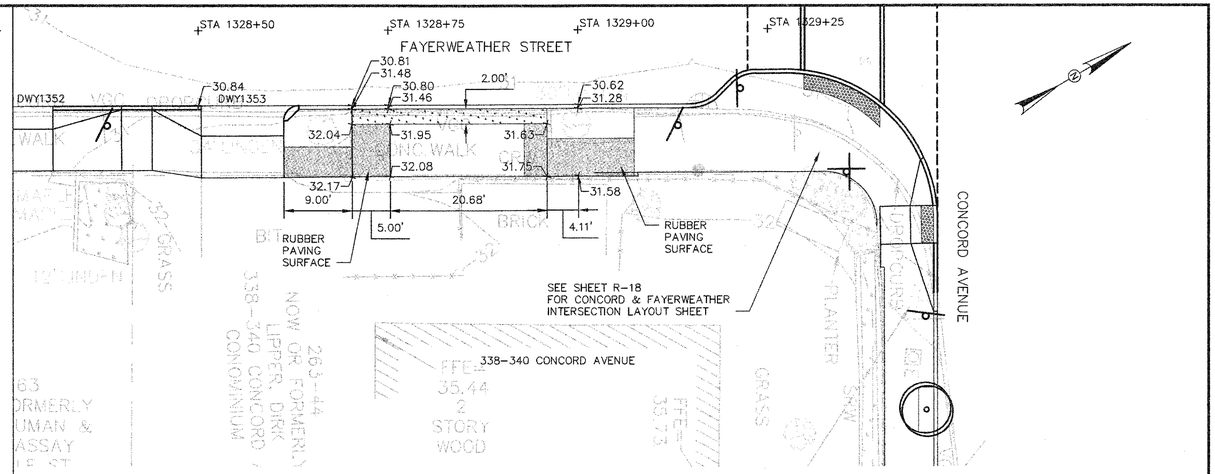
CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG-Signage.dwg LAYOUT: Permanent Signage Schedule 3 of 3 PLOTTED: 2/12/2014 2:39 PM BY: kyle langlois



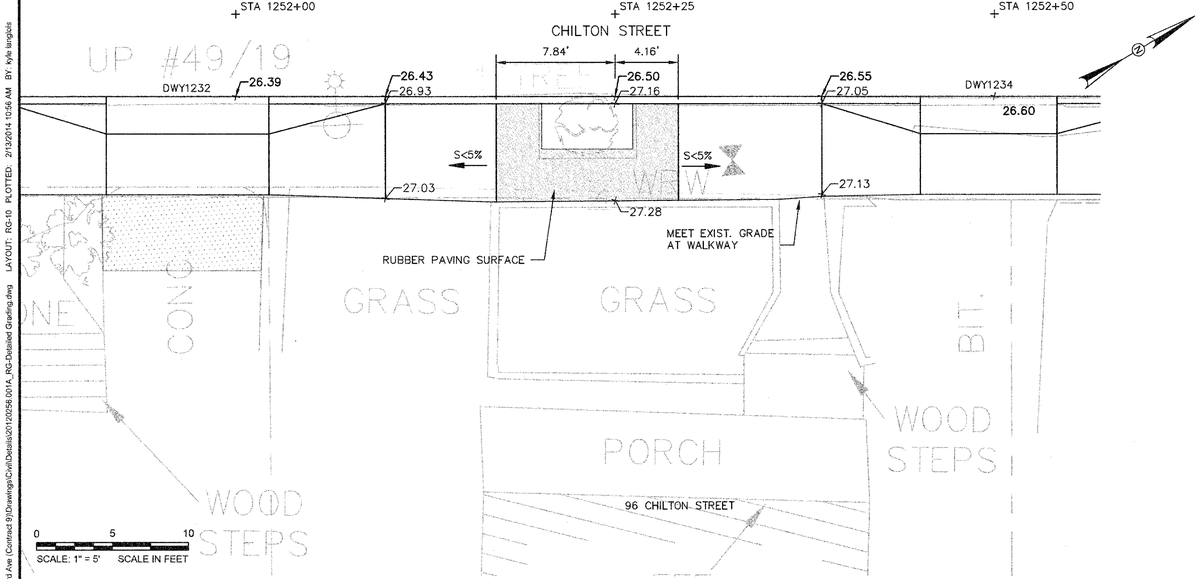
NOTES:
1. REFERENCE SHEETS R-78 (CONSTRUCTION) & R-81 (GRADING) FOR RECONSTRUCTION BEHIND EXISTING TREE AT 91 CHILTON STEET.
2. RIGHT-OF-ENTRY (ROE) REQUIRED FOR WORK.
3. RUBBER PAVING SURFACE TO BE INSTALLED OVER TREE ROOTS.



SECTION A-A
SCALE: 1" = 5'



NOTES:
1. REFERENCE SHEETS R-87 (CONSTRUCTION) & R-89 (GRADING) FOR RECONSTRUCTION BEHIND EXISTING TREE AT 338-340 CONCORD AVENUE.
2. RUBBER PAVING SURFACE TO BE INSTALLED OVER TREE ROOTS.



NOTES:
1. REFERENCE SHEETS R-78 (CONSTRUCTION) & R-81 (GRADING) FOR RECONSTRUCTION BEHIND EXISTING TREE AT 91 CHILTON STEET.
2. RUBBER PAVING SURFACE TO BE INSTALLED OVER TREE ROOTS.

CONFORMED SET

CAD FILE: G:_clients\Cambridge MA\20120256.01-A - Concord Ave (Contract 9)\Drawings\Civil\Details\20120256.001A_RG-Detailed Grading.dwg LAYOUT: RG-10 PLOTTED: 2/13/2014 10:56 AM BY: kyle langlois

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COMMONWEALTH OF MASSACHUSETTS BRIAN J. MONTEJUNAS CIVIL No. 47347 REGISTERED PROFESSIONAL ENGINEER

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

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

Client: CITY OF CAMBRIDGE, MASSACHUSETTS

Project: CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT

Drawing: DETAILED GRADING

Sheet: RG-10

File No.: 6228