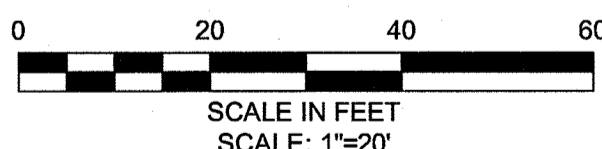


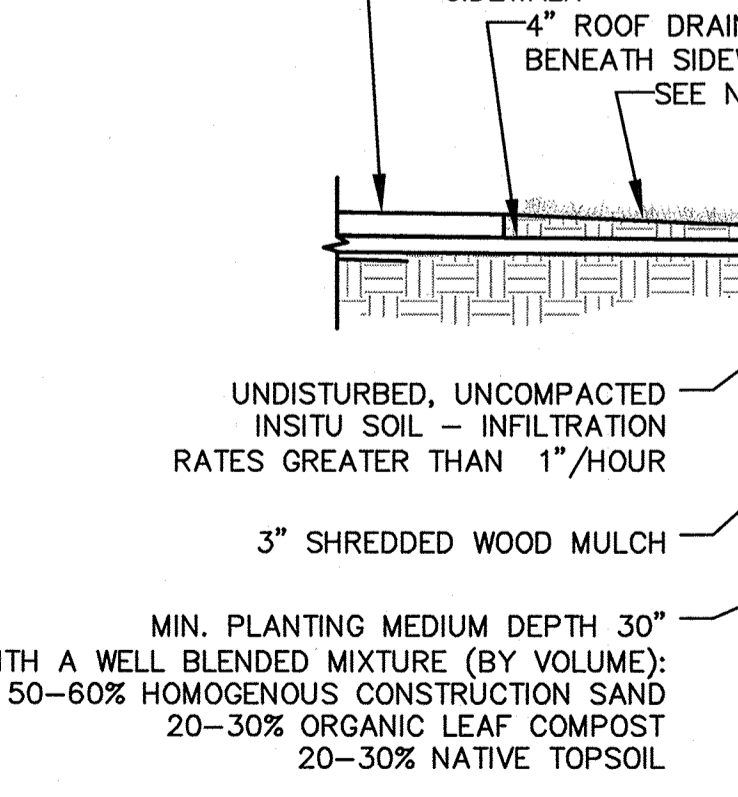
**CONSTRUCTION NOTES:**

1. WORK IN WHITTEMORE AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
2. SEE DETAIL SHEETS GC-8 AND GC-9 FOR CURB INSTALLATION, PEDESTRIAN RAMP AND SIDEWALK CONSTRUCTION DETAILS.
3. REFER TO DRAWINGS G-4 THRU G-7 FOR CONSTRUCTION BASELINE DRAWINGS.
4. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
5. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK.
7. CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE OF 3'-0" FROM THE BACK OF SIDEWALK TO ANY OBJECT INCLUDING BUT NOT LIMITED TO; SIGN POSTS, HYDRANTS AND UTILITY, AND LIGHT POLES.
8. ALL SIGN POSTS WITHIN PROJECT AREA TO BE REPLACED AND EXISTING SIGN TO BE RESET. EXISTING SIGNS LOCATED WITHIN PROPOSED PEDESTRIAN RAMPS SHALL BE RELOCATED OUTSIDE OF PEDESTRIAN RAMPS.
9. TREES TO REMAIN SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.
10. GRADING AT THE BACK OF SIDEWALK AT DRIVEWAYS SHALL TIE INTO EXISTING DRIVEWAY GRADES WITH A SLOPE NOT TO EXCEED 12%.



**PLANT MATERIAL TOLERANT OF INUNDATION AND DROUGHT. NATIVE PLANTS RECOMMENDED.**

DEPTH REQUIRED TO DRAIN IN 48 HOURS OR LESS, NOT TO EXCEED 18".



**RAIN GARDEN DETAIL**  
N.T.S.

**NOTES:**

1. ELEVATION OF UPSTREAM TOP OF SLOPE TO BE HIGHER THAN DOWNSTREAM TOP OF SLOPE TO PREVENT OVERFLOW INTO PRIVATE PROPERTY. ELEVATION AT DOWNSTREAM EDGES OF RAIN GARDEN TO ALLOW BASIN TO RELIEVE TO STREET WHEN INUNDATED.
2. PONDING DEPTH AND MEDIA DEPTH SHALL BE CONFIRMED BY THE ENGINEER PRIOR TO CONSTRUCTION

**CONFORMED SET**

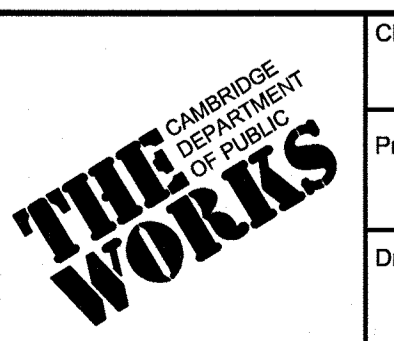
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ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
FRAMINGHAM, MASSACHUSETTS

**MWH BOSTON MASSACHUSETTS**

VINCENT W. SPADA  
SANITARY No. 31436  
Professional Engineer  
State of Massachusetts

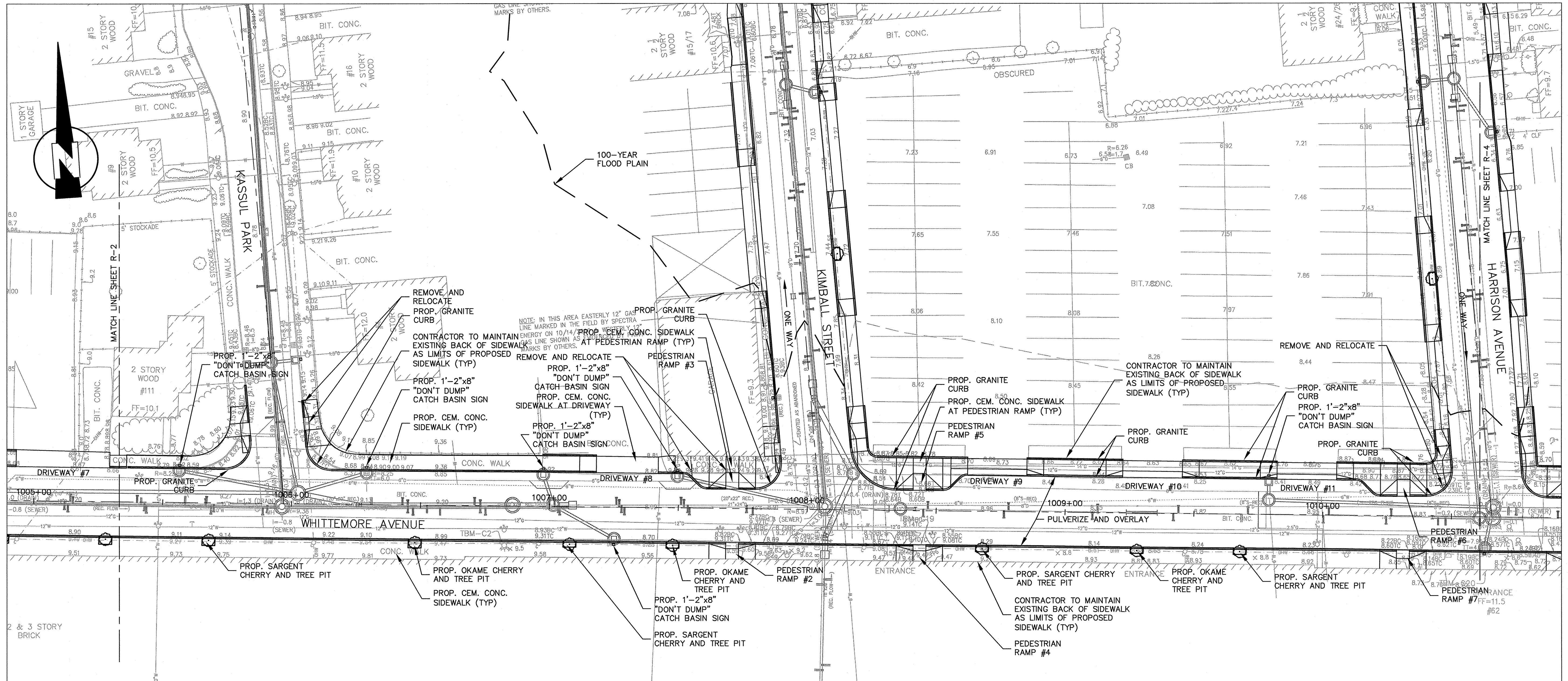
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Date	JANUARY 15, 2010		
Job No.	2008288.03-A		
Designed by	TAL		
Drawn by	TAL		
Checked by	SFJ	No.	Description
Approved by	VWS		Date



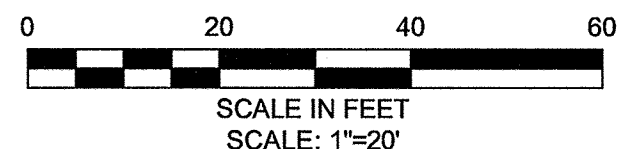
Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - CONSTRUCTION PLAN STA 1000+00 TO 1005+00

Sheet	R-2
File No.	43 OF 102

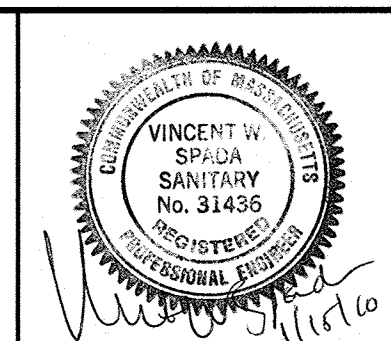
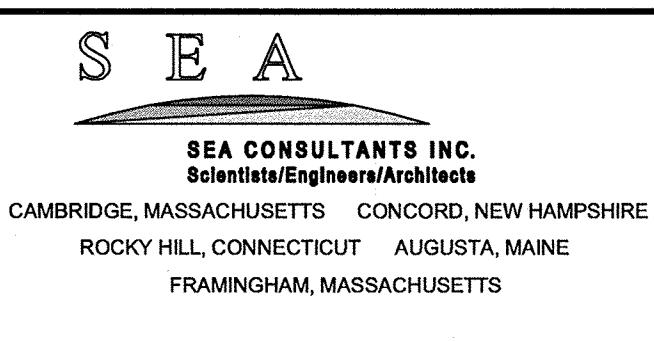
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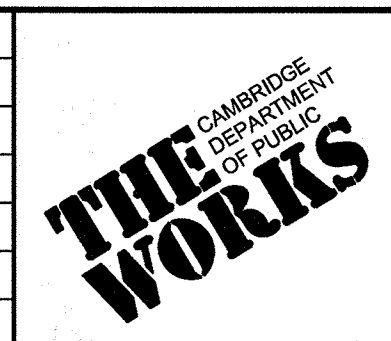
- CONSTRUCTION NOTES:**
1. WORK IN WHITTEMORE AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
  2. SEE DETAIL SHEETS GC-8 AND GC-9 FOR CURB INSTALLATION, PEDESTRIAN RAMP AND SIDEWALK CONSTRUCTION DETAILS.
  3. REFER TO DRAWINGS G-4 THRU G-7 FOR CONSTRUCTION BASELINE DRAWINGS.
  4. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
  5. ALL VERTICAL GRANITE CURBING WITHIN SIDEWALK AND PULVERIZING LIMITS SHALL BE REMOVED AND RESET UNLESS OTHERWISE NOTED.
  6. CONTRACTOR TO ADJUST TREE PIT OPENINGS AS NECESSARY TO MAINTAIN A MINIMUM 3'-0" WIDE SIDEWALK BETWEEN TREE PIT AND BACK OF SIDEWALK.
  7. CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE OF 3'-0" FROM THE BACK OF SIDEWALK TO ANY OBJECT INCLUDING BUT NOT LIMITED TO; SIGN POSTS, HYDRANTS AND UTILITY, AND LIGHT POLES.
  8. ALL SIGN POSTS WITHIN PROJECT AREA TO BE REPLACED AND EXISTING SIGN TO BE RESET. EXISTING SIGNS LOCATED WITHIN PROPOSED PEDESTRIAN RAMPS SHALL BE RELOCATED OUTSIDE OF PEDESTRIAN RAMPS.
  9. TREES TO REMAIN SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.
  10. GRADING AT THE BACK OF SIDEWALK AT DRIVEWAYS SHALL TIE INTO EXISTING DRIVEWAY GRADES WITH A SLOPE NOT TO EXCEED 12%.



**CONFORMED SET**



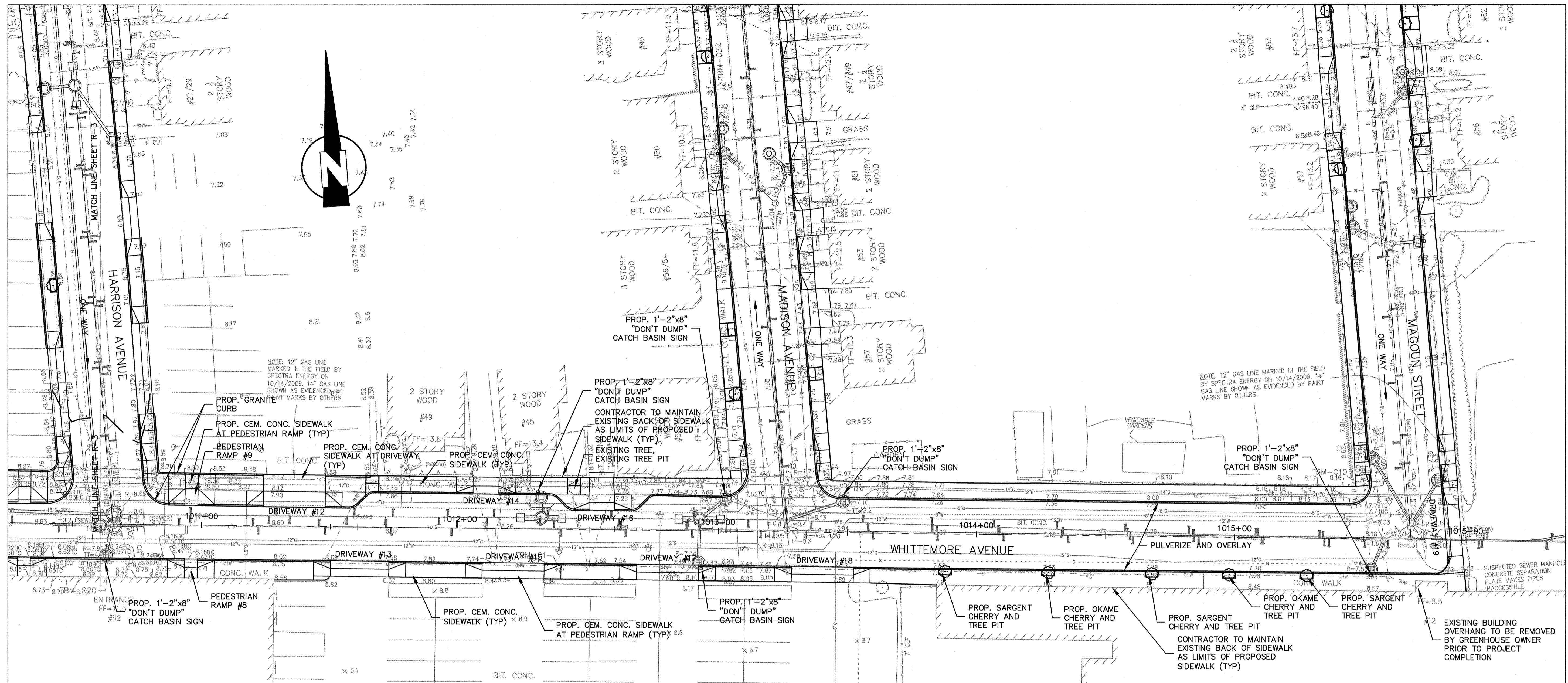
Scale	AS NOTED		
Date	JANUARY 15, 2010		
Job No.	2008288.03-A		
Designed by	TAL		
Drawn by	TAL		
Checked by	SFJ	No.	Description
Approved by	VWS		Date



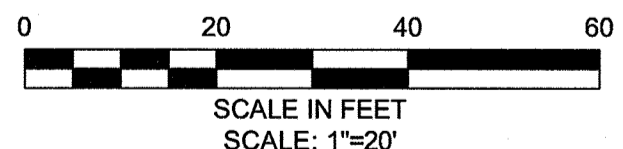
Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - CONSTRUCTION PLAN STA 1005+00 TO 1010+50

Sheet	R-3
File No.	44 OF 102

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- CONSTRUCTION NOTES:**
1. WORK IN WHITTEMORE AVENUE SHALL MEET THE REQUIREMENTS OF THE CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS.
  2. SEE DETAIL SHEETS GC-8 AND GC-9 FOR CURB INSTALLATION, PEDESTRIAN RAMP AND SIDEWALK CONSTRUCTION DETAILS.
  3. REFER TO DRAWINGS G-4 THRU G-7 FOR CONSTRUCTION BASELINE DRAWINGS.
  4. CONTRACTOR SHALL ADJUST EXISTING UTILITY COVERS AND CASTINGS TO RE-GRADED SURFACES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES FOR GAS/TELECOM/CABLE/ELECTRIC.
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  7. CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE OF 3'-0" FROM THE BACK OF SIDEWALK TO ANY OBJECT INCLUDING BUT NOT LIMITED TO; SIGN POSTS, HYDRANTS AND UTILITY, AND LIGHT POLES.
  8. ALL SIGN POSTS WITHIN PROJECT AREA TO BE REPLACED AND EXISTING SIGN TO BE RESET. EXISTING SIGNS LOCATED WITHIN PROPOSED PEDESTRIAN RAMP SHALL BE RELOCATED OUTSIDE OF PEDESTRIAN RAMP.
  9. TREES TO REMAIN SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.
  10. GRADING AT THE BACK OF SIDEWALK AT DRIVEWAYS SHALL TIE INTO EXISTING DRIVEWAY GRADES WITH A SLOPE NOT TO EXCEED 12%.

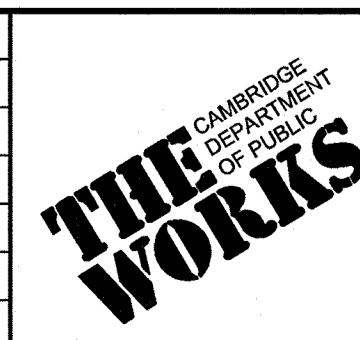


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ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
FRAMINGHAM, MASSACHUSETTS

**MWH**  
BOSTON  
MASSACHUSETTS

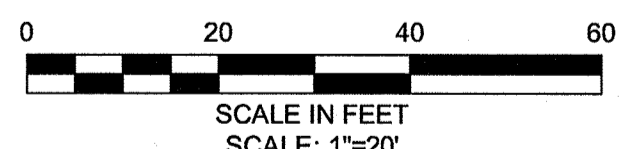
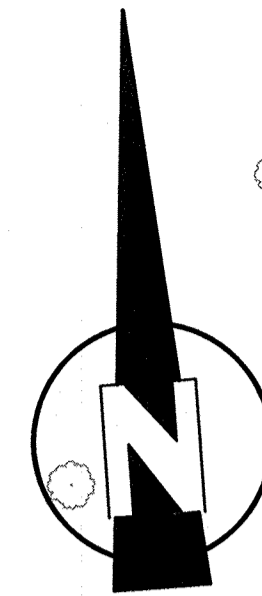
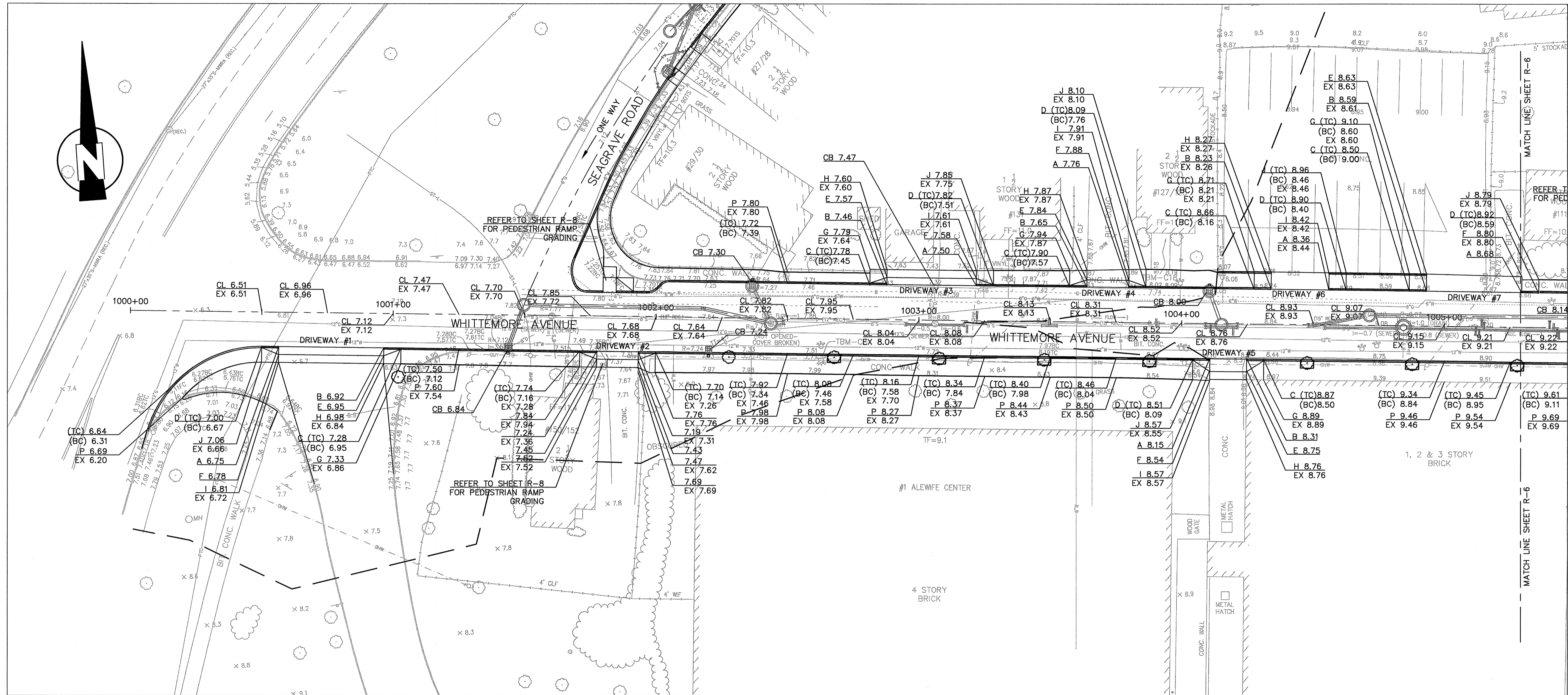
Scale	AS NOTED		
Date	JANUARY 15, 2010		
Job No.	2008288.03-A		
Designed by	TAL		
Drawn by	TAL		
Checked by	SFJ	No.	Description
Approved by	VWS		Date



Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - CONSTRUCTION PLAN STA 1010+50 TO 1015+90

Sheet	R-4
File No.	45 OF 102

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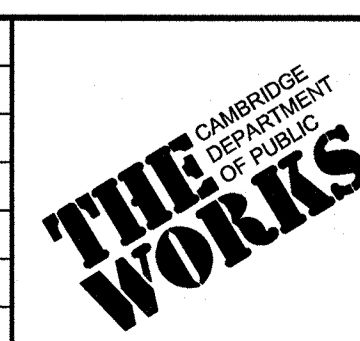
**CONFORMED SET**

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 ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
 FRAMINGHAM, MASSACHUSETTS

**MWH BOSTON**  
 MASSACHUSETTS

**VINCENT W. SPADA**  
 No. 31436  
 REGISTERED PROFESSIONAL ENGINEER

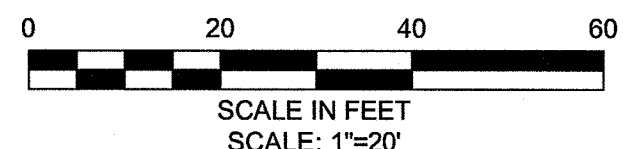
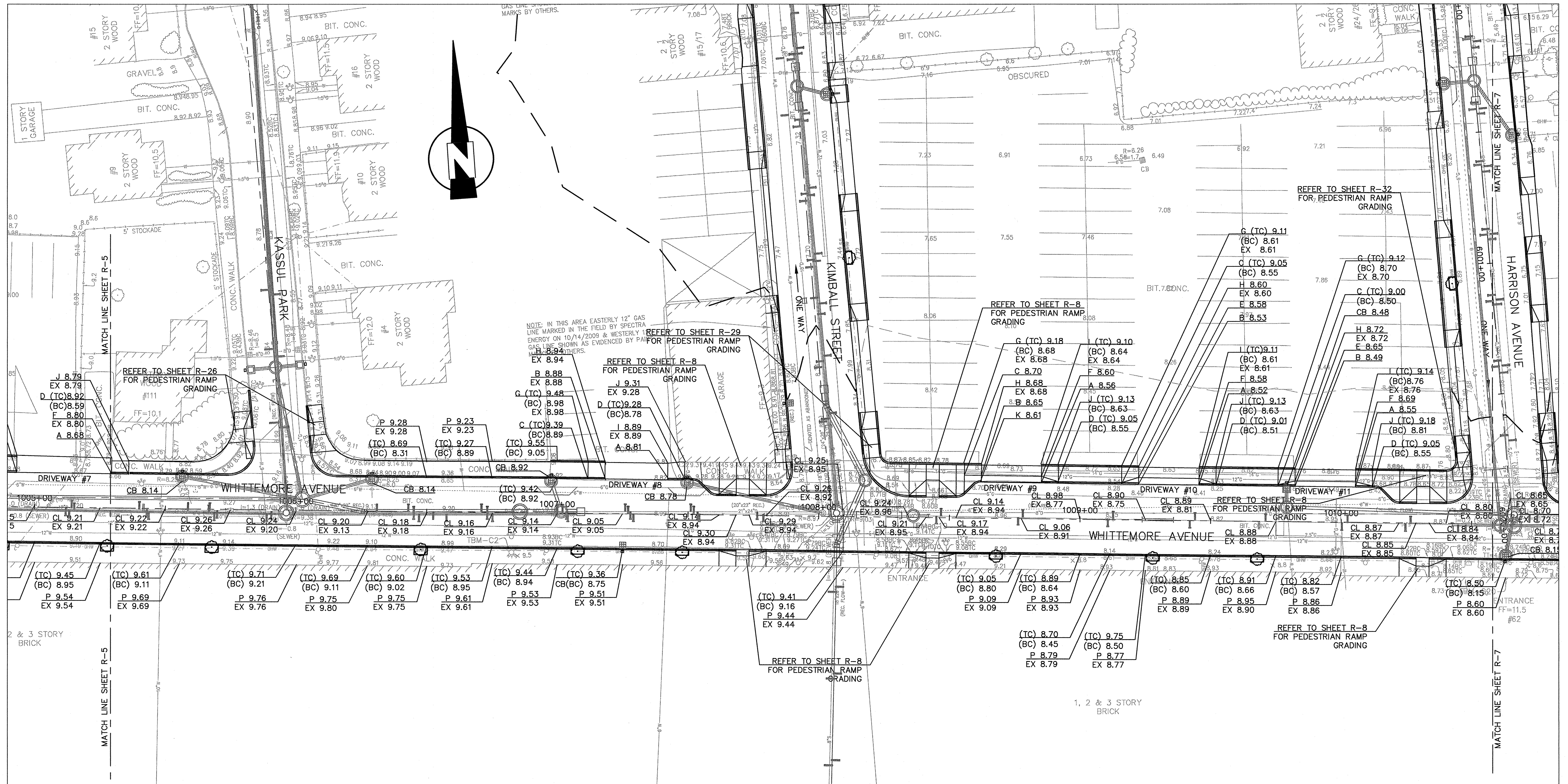
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Date	JANUARY 15, 2010
Job No.	2008288.03-A
Designed by	TAL
Drawn by	TAL
Checked by	SFJ
Approved by	VWS



Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - GRADING PLAN STA 1000+00 TO 1005+00

Sheet	R-5
File No.	46 OF 102

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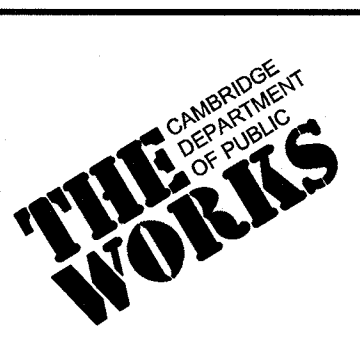
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**SEA**  
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 CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE  
 ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
 FRAMINGHAM, MASSACHUSETTS

**MWH**  
 BOSTON  
 MASSACHUSETTS

**VINCENT W. SPADA**  
 SANITARY  
 No. 31436  
 REGISTERED PROFESSIONAL ENGINEER

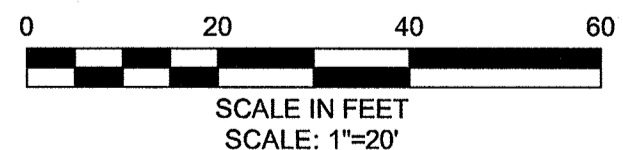
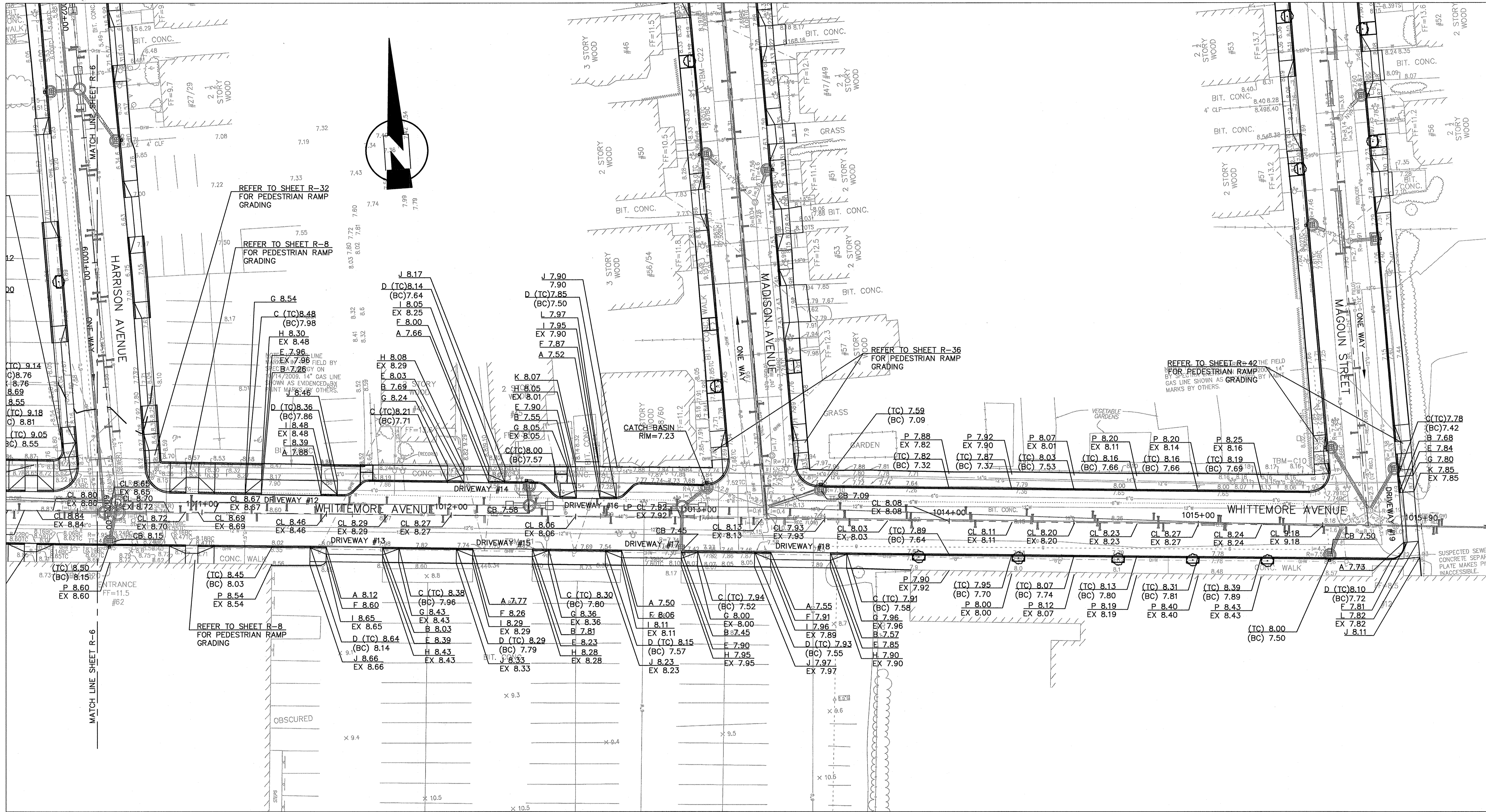
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Drawn by	TAL		
Checked by	SFU	No.	Description
Approved by	VWS		Date



Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - GRADING PLAN STA 1005+00 TO 1010+50

Sheet	R-6
File No.	47 OF 102

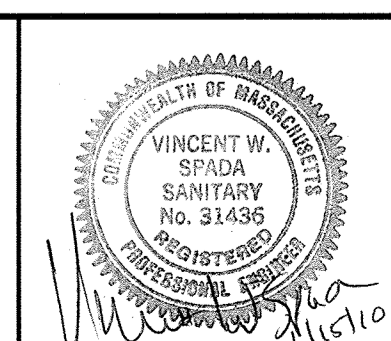
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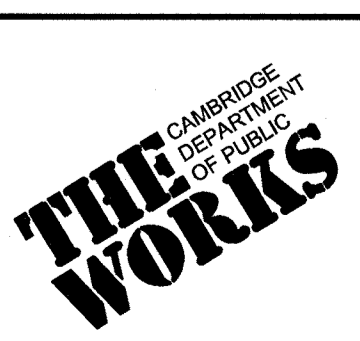
**CONFORMED SET**

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ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
FRAMINGHAM, MASSACHUSETTS

**MWH**  
BOSTON  
MASSACHUSETTS



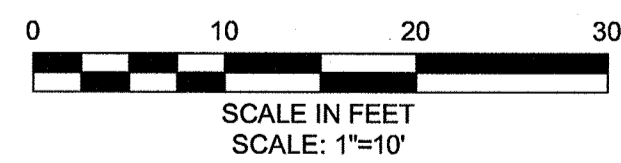
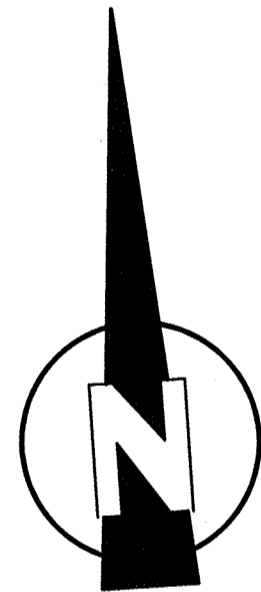
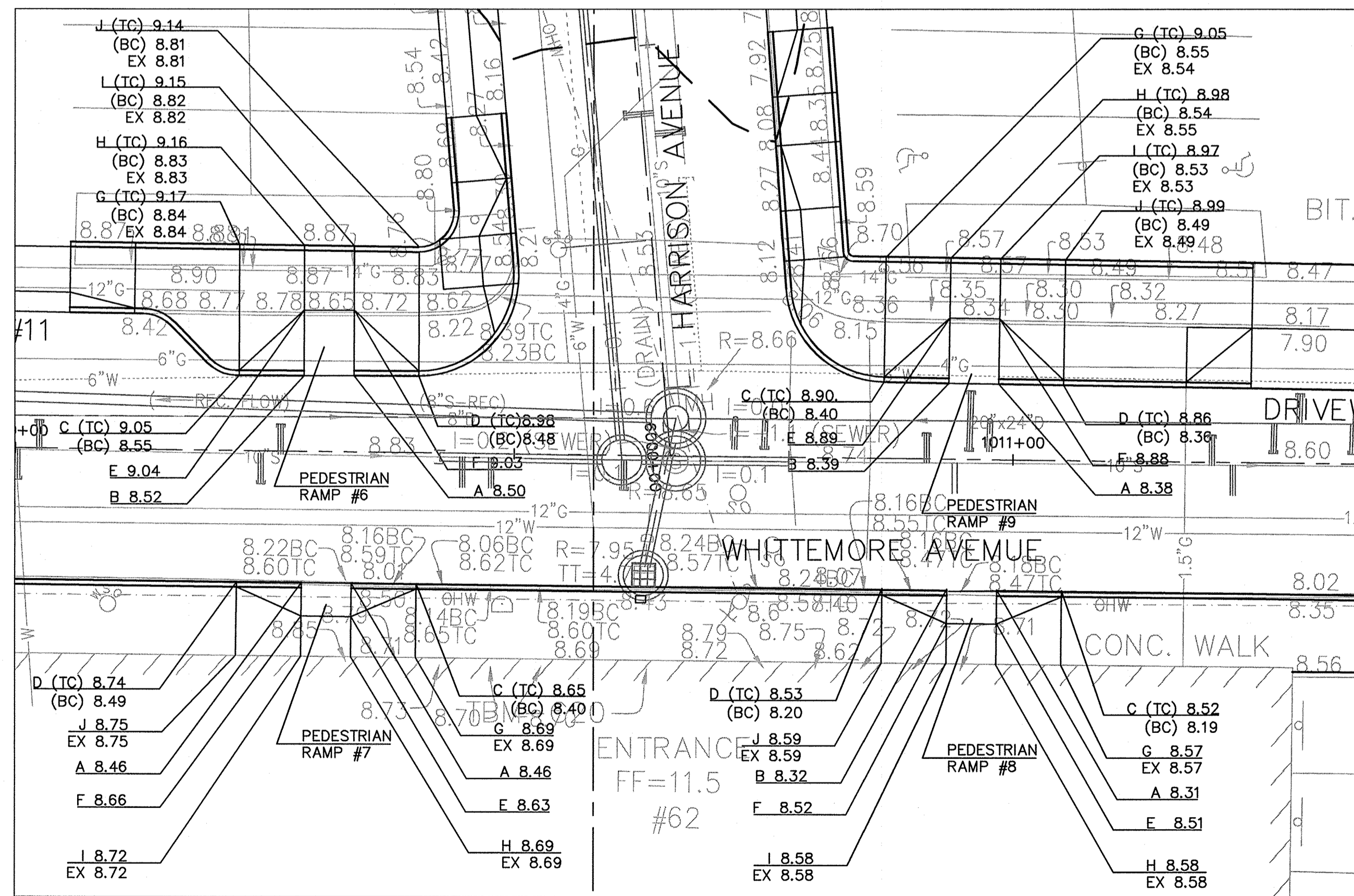
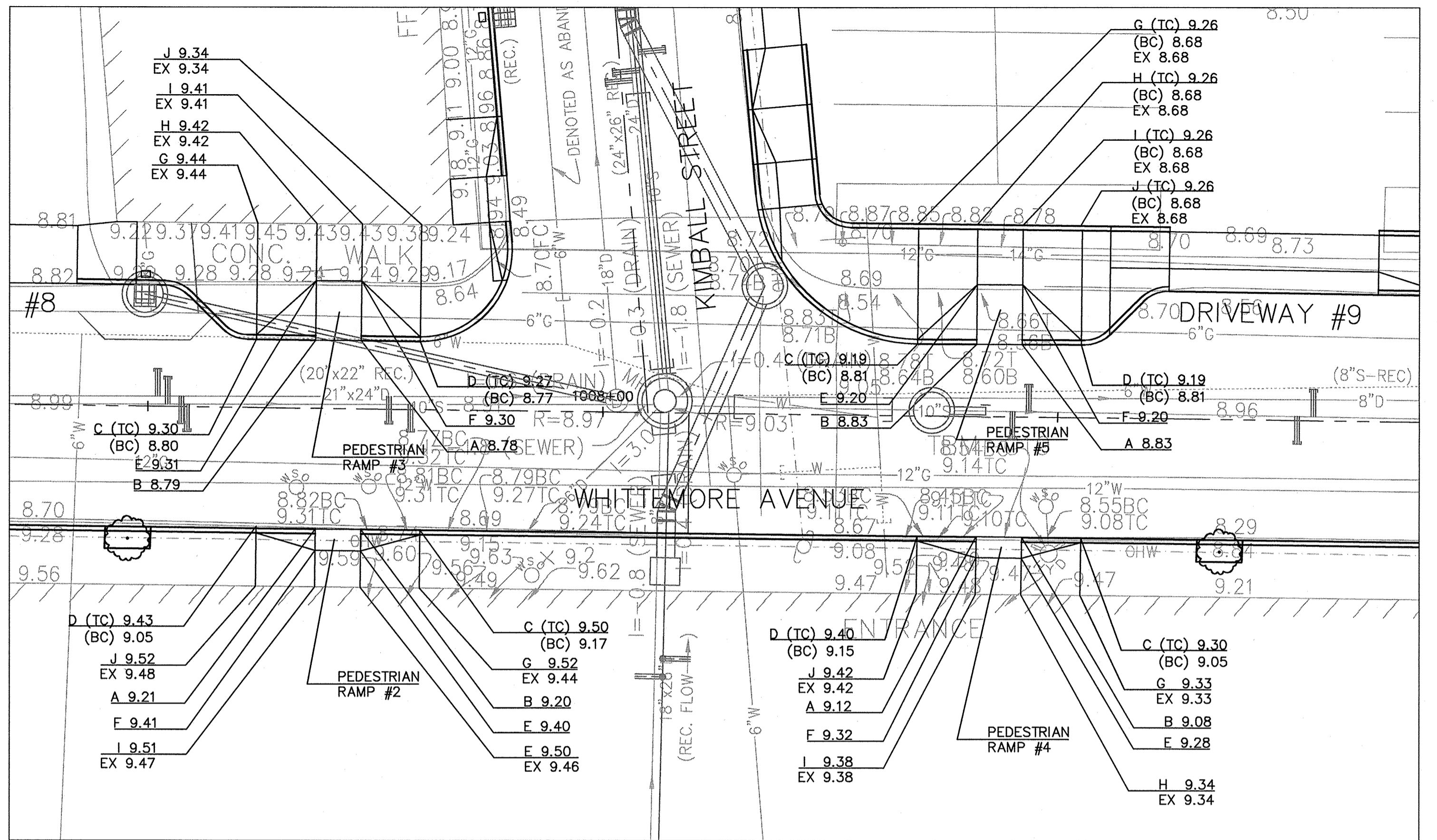
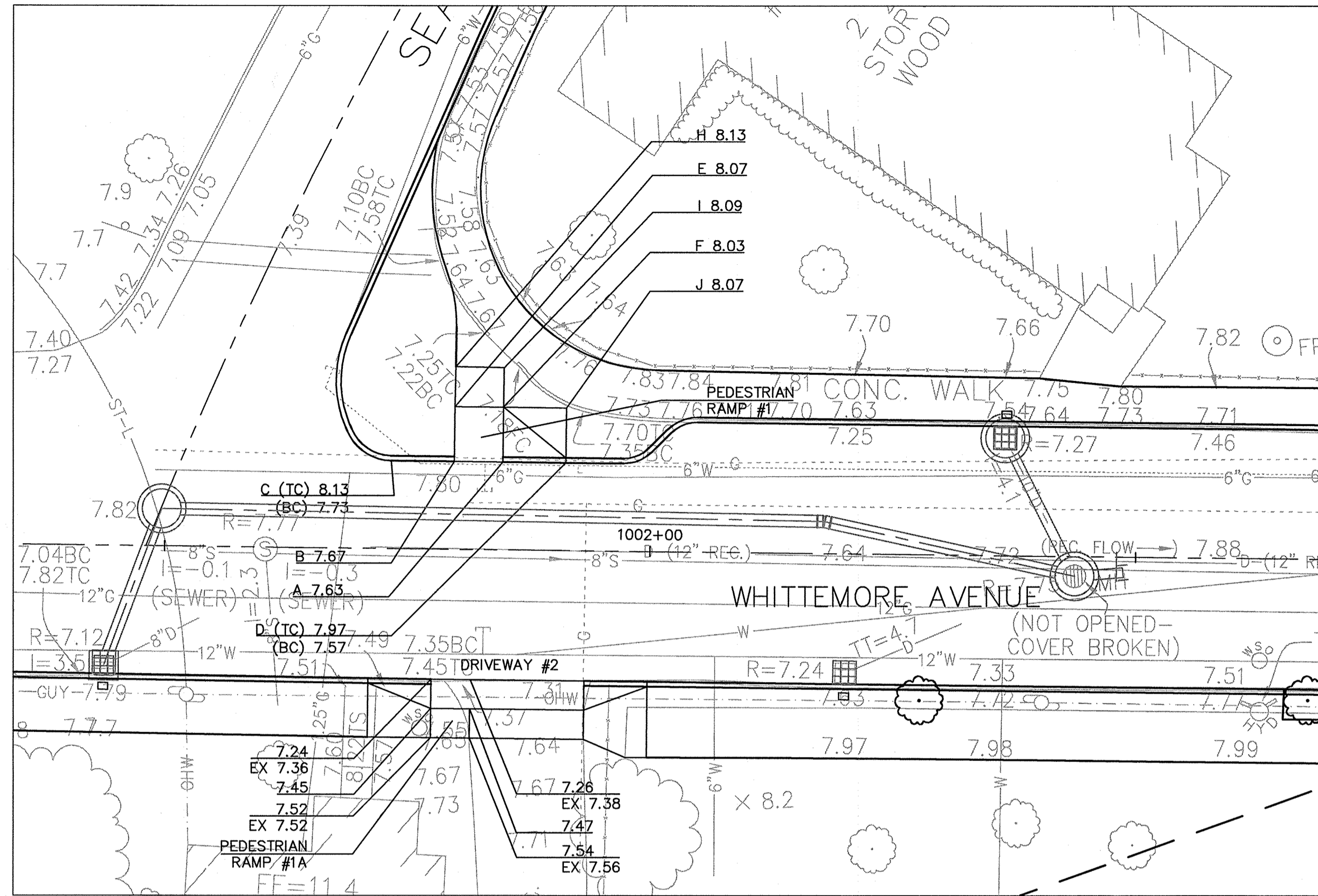
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Date	JANUARY 15, 2010
Job No.	2008288-03-A
Designed by	TAL
Drawn by	TAL
Checked by	SFJ
Approved by	VWS
No.	
Description	
Date	
REVISIONS	



Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - GRADING PLAN STA 1010+50 TO 1015+90

Sheet	R-7
File No.	48 OF 102

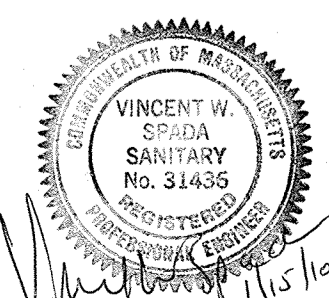
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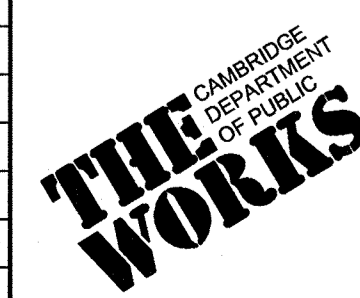
**CONFORMED SET**

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CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE  
ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
FRAMINGHAM, MASSACHUSETTS

**MWH**  
BOSTON  
MASSACHUSETTS

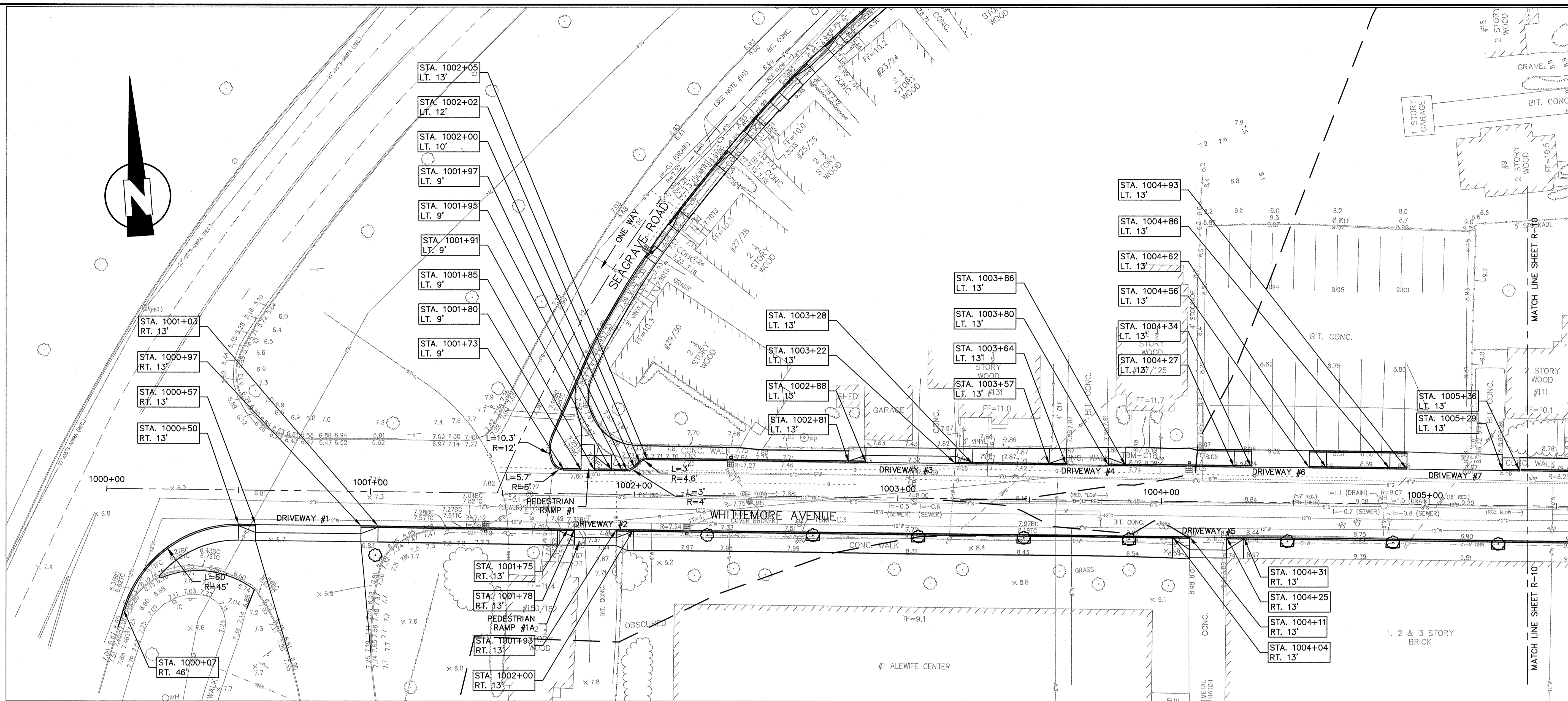
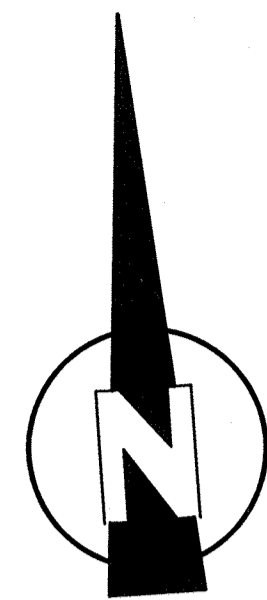


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Job No.	2008288.03-A
Designed by	TAL
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Approved by	VWS

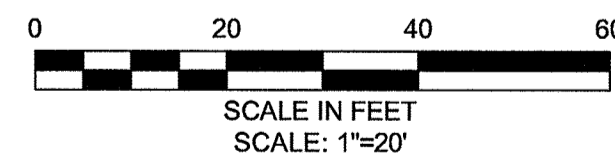


Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - GRADING PLAN PEDESTRIAN RAMPS

Sheet	R-8
File No.	49 OF 102



DW #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK, W (FT)	WIDTH OF OPENING (FT)	TRANSITION LENGTH	
	STATION	OFFSET			*LEFT SIDE	*RIGHT SIDE
1	1000+77	RT	6.0	40.0	6'-6"	6'-6"
2	1001+88	RT	6.0	11.7	6'-6"	6'-6"
3	1003+05	LT	5.7	34.0	6'-6"	6'-6"
4	1003+72	LT	6.5	16.0	6'-6"	6'-6"
5	1004+18	RT	7.8	14.0	6'-6"	6'-6"
6	1004+45	LT	6.5	22.0	6'-6"	6'-6"
7	1005+11	LT	6.3	36.3	6'-6"	6'-6"



**CONFORMED SET**

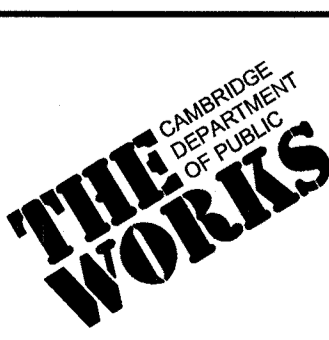
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CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE  
ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
FRAMINGHAM, MASSACHUSETTS

**MWH**  
BOSTON  
MASSACHUSETTS

VINCENT W. SPADA  
SANITARY ENGINEER  
No. 31436  
REGISTERED PROFESSIONAL ENGINEER

Scale	AS NOTED
Date	JANUARY 15, 2010
Job No.	2008288.03-A
Designed by	TAL
Drawn by	TAL
Checked by	SFJ
Approved by	VWS

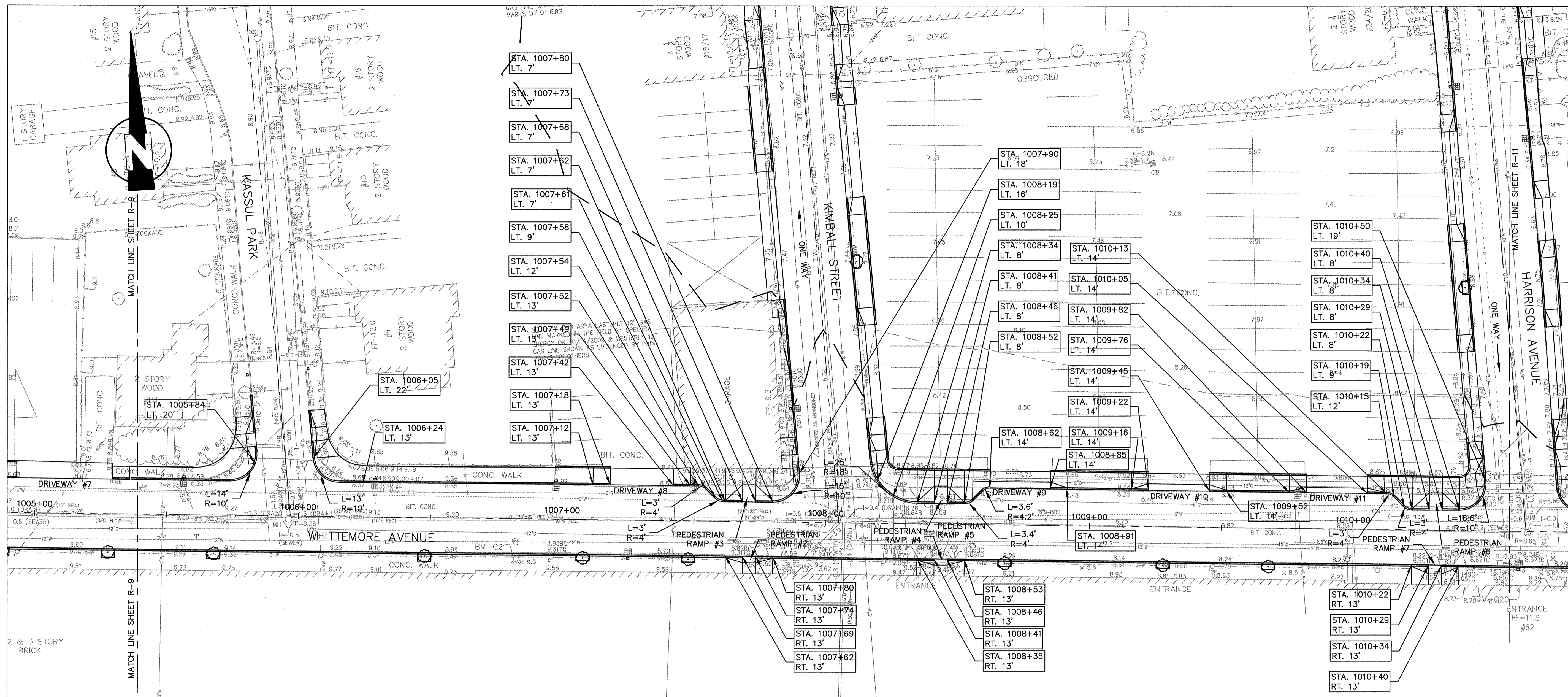


Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - CURB TIE PLAN STA 1000+00 TO 1005+00

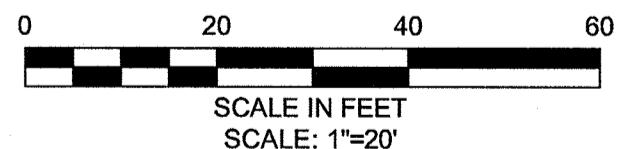
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File No.	50 OF 102



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DW #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK, W (FT)	WIDTH OF OPENING (FT)	TRANSITION LENGTH	
	STATION	OFFSET			*LEFT SIDE	*RIGHT SIDE
8	1007+30	LT	6.3	24.0	6'-6"	6'-6"
9	1008+74	LT	6.5	23.1	6'-6"	6'-6"
10	1009+34	LT	6.5	23.1	6'-6"	6'-6"
11	1009+94	LT	6.5	23.0	6'-6"	6'-6"



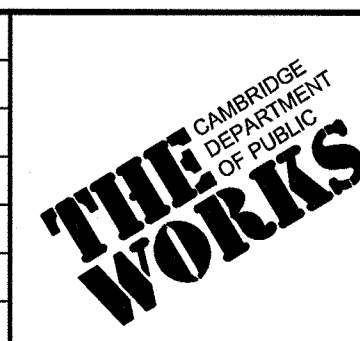
**CONFORMED SET**

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ROCKY HILL, CONNECTICUT AUGUSTA, MAINE  
FRAMMINGHAM, MASSACHUSETTS

**MWH**  
BOSTON  
MASSACHUSETTS

VINCENT W. SPADA  
SANITARY  
No. 31436  
REGISTERED PROFESSIONAL ENGINEER

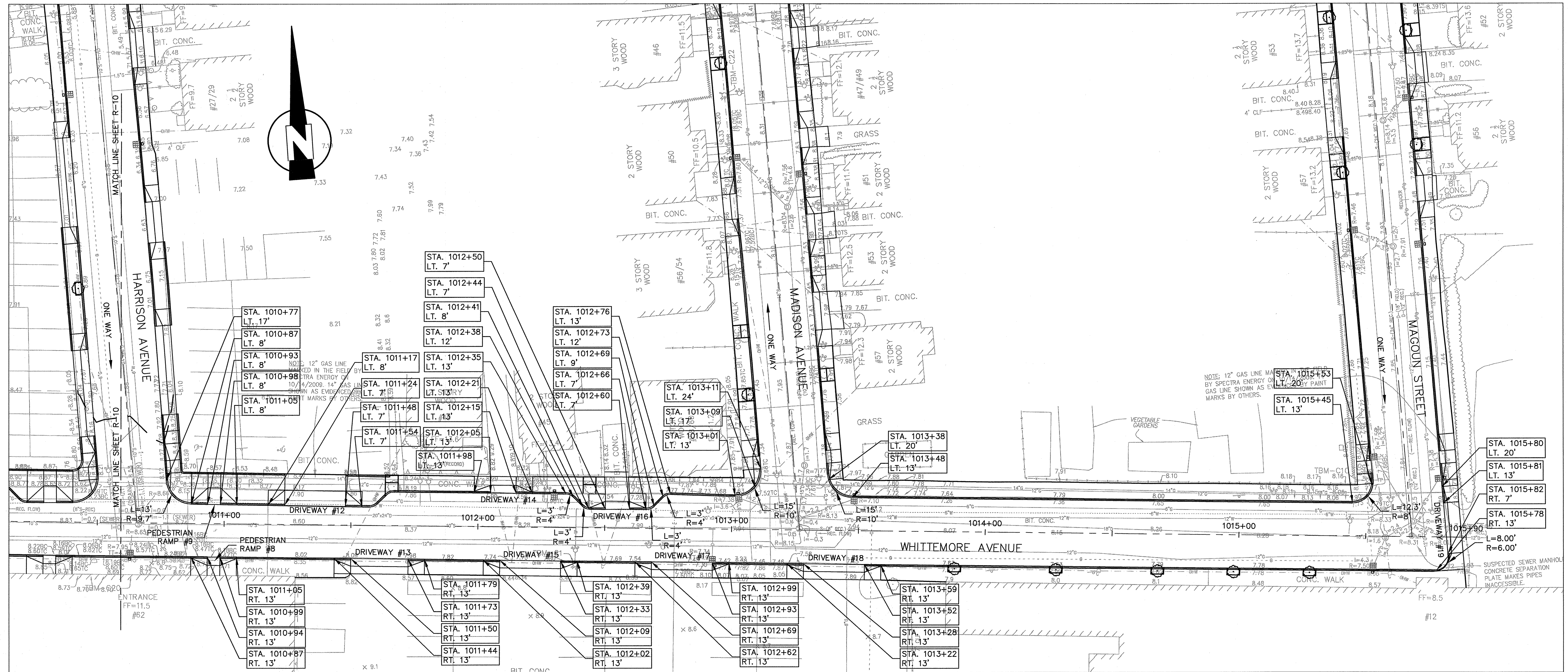
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Date	JANUARY 15, 2010		
Job No.	2008288.03-A		
Designed by	TAL		
Drawn by	TAL		
Checked by	SFJ	No.	Description
Approved by	VWS		Date



Client	CITY OF CAMBRIDGE, MA	
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)	
Drawing	WHITTEMORE AVENUE - CURB TIE PLAN STA 1005+00 TO 1010+50	

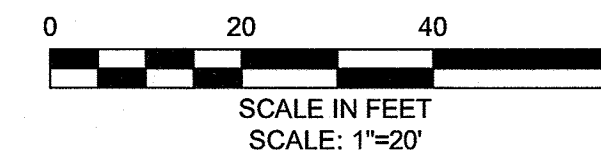
Sheet	R-10
File No.	51 OF 102

PLOT DATE=1/14/2010 12:30:01 PM USER=RYAN REVES FILENAME=C:\clients\Cambridge\MA\2008288-03-Whittemore curbing.dwg CAM 400 Sewer Separation\City\Whittemore Ave\2008288-03-Whittemore curbing.dwg

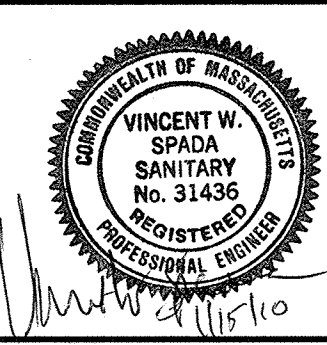
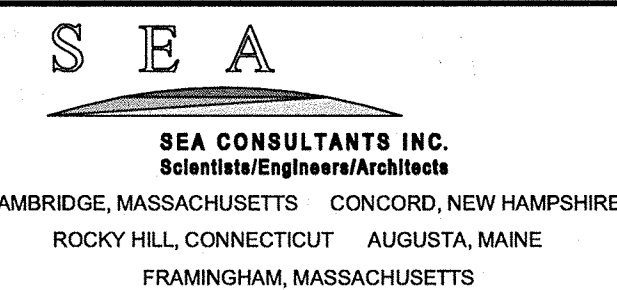


DW #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK, W (FT)	WIDTH OF OPENING (FT)	TRANSITION LENGTH	
	STATION	OFFSET			*LEFT SIDE	*RIGHT SIDE
12	1011+36	LT	6.0	24.0	6'-6"	6'-6"
13	1011+62	RT	6.0	22.6	6'-6"	6'-6"
14	1012+10	LT	6.5	10.0	6'-6"	6'-6"
15	1012+21	RT	6.0	24.0	6'-6"	6'-6"

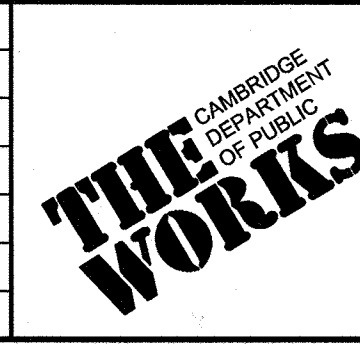
DW #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK, W (FT)	WIDTH OF OPENING (FT)	TRANSITION LENGTH	
	STATION	OFFSET			*LEFT SIDE	*RIGHT SIDE
16	1012+55	LT	12.7	9.4	6'-6"	6'-6"
17	1012+81	RT	6.0	24.0	6'-6"	6'-6"
18	1013+40	RT	6.0	24.0	6'-6"	6'-6"
19	1015+82	-	6.0	20.0	6'-6"	6'-6"



**CONFORMED SET**



Scale	AS NOTED		
Date	JANUARY 15, 2010		
Job No.	2008288.03-A		
Designed by	TAL		
Drawn by	TAL		
Checked by	SFJ	No.	Description
Approved by	VWS		REVISIONS



Client	CITY OF CAMBRIDGE, MA
Project	ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)
Drawing	WHITTEMORE AVENUE - CURB TIE PLAN STA 1010+50 TO 1015+90

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