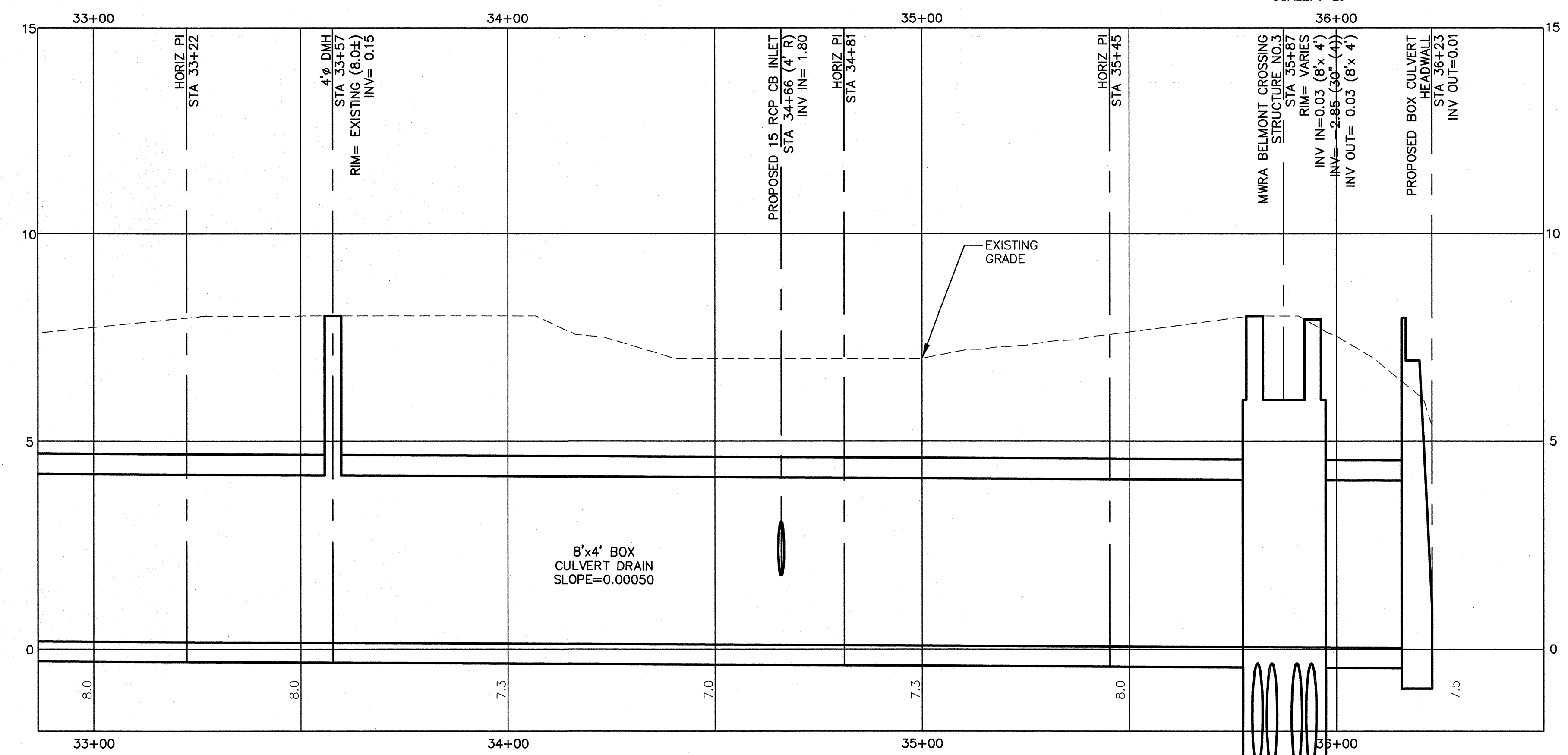


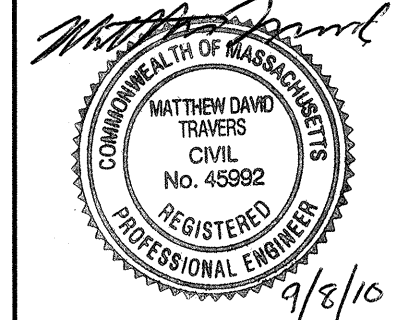
PLAN
SCALE: 1"=20'



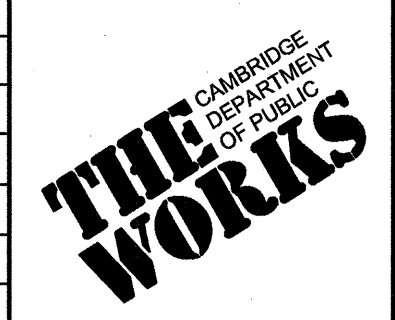
PROFILE
HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=2'

- NOTES:**
1. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER AT 125 CAMBRIDGEPARK DRIVE AND THE PROPERTY OWNER'S WASTE MANAGEMENT CONTRACTOR REGARDING THE TEMPORARY RELOCATION OF THE DUMPSTER/COMPACTOR DURING CONSTRUCTION, AND ITS RESTORATION UPON COMPLETION OF THE WORK. CONTRACTOR TO ALSO COORDINATE WITH PROPERTY OWNER & ENGINEER FOR LIMITS OF DEMOLITION & REPLACEMENT OF WOODEN FENCE.
 2. MWRA BELMONT CROSSING STRUCTURE NO. 3 TO HAVE "MWRA" COVERS, SEE DETAIL SHEETS.

CONFORMED SET

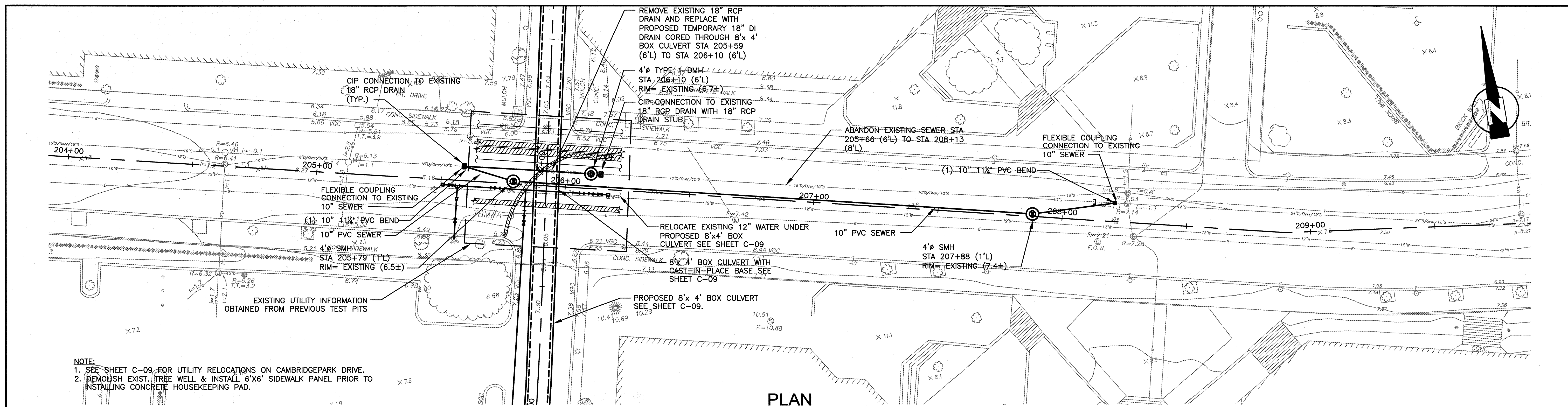


Scale	AS NOTED		
Date	SEPTEMBER 1, 2010		
Job No.	2220331		
Designed by	KMR		
Drawn by	AMF		
Checked by	MDT	No.	Description
Approved by	WCP		REVISIONS



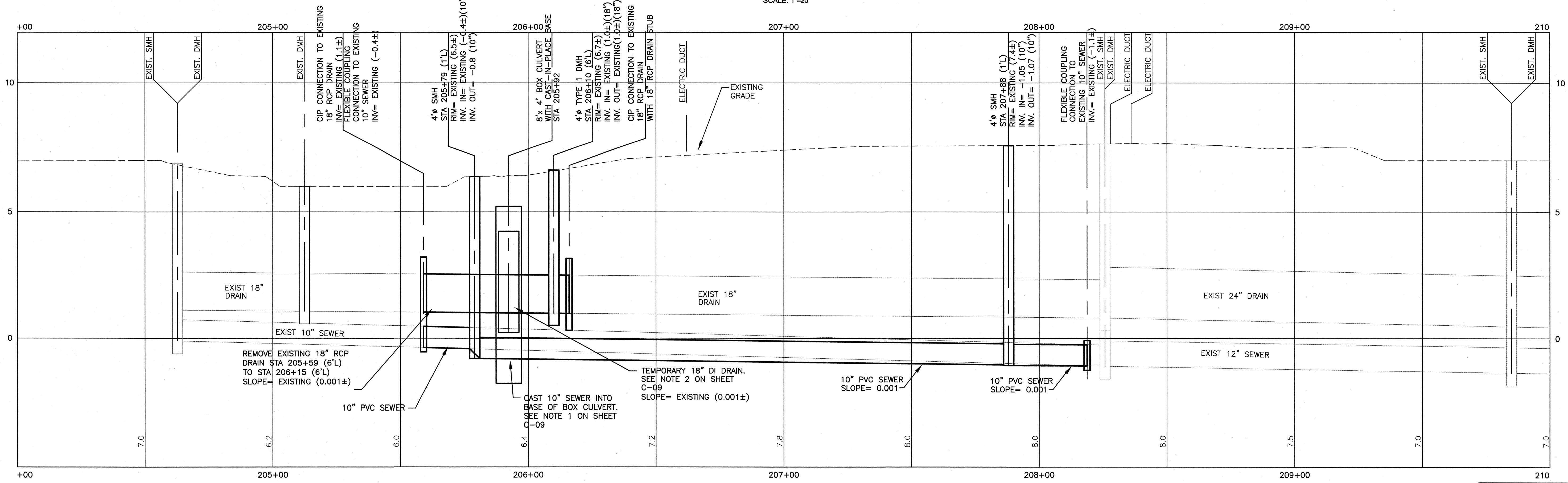
CITY OF CAMBRIDGE, MASSACHUSETTS	
CAMBRIDGEPARK DRIVE AREA DRAINAGE IMPROVEMENTS	
CONTRACT NO. 12	
DRAIN AREA VII - 8"x4" BOX CULVERT PLAN AND PROFILE	
STA 32+87 TO 36+50	

Sheet No.	C-10
File No.	



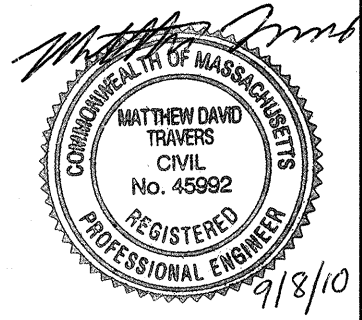
NOTE:
 1. SEE SHEET C-09, FOR UTILITY RELOCATIONS ON CAMBRIDGEPARK DRIVE.
 2. DEMOLISH EXIST. TREE WELL & INSTALL 6'X6' SIDEWALK PANEL PRIOR TO INSTALLING CONCRETE HOUSEKEEPING PAD.

PLAN
 SCALE: 1"=20'



PROFILE
 HORZ. SCALE: 1"=20'
 VERT. SCALE: 1"=2'

CONFORMED SET

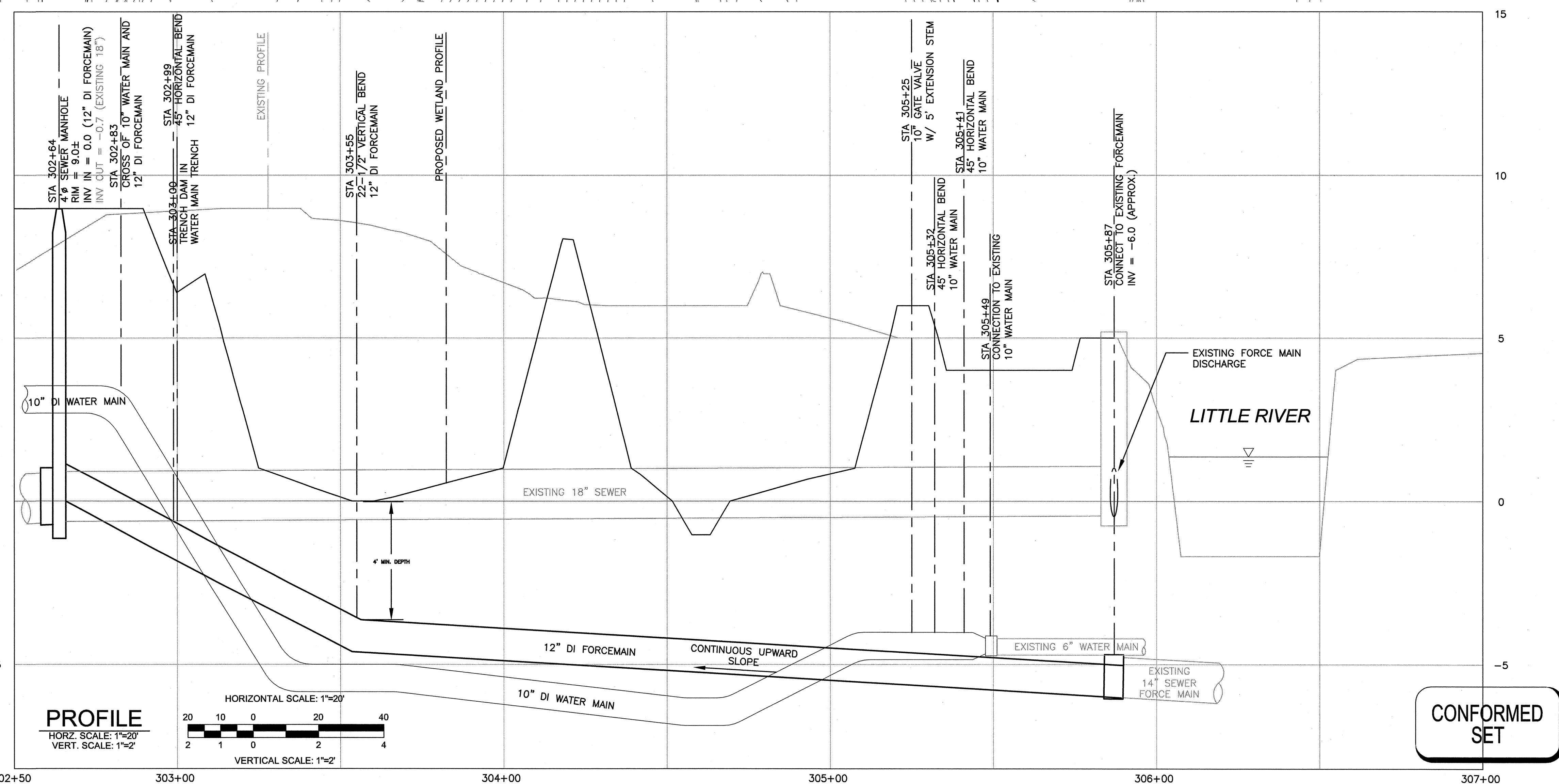
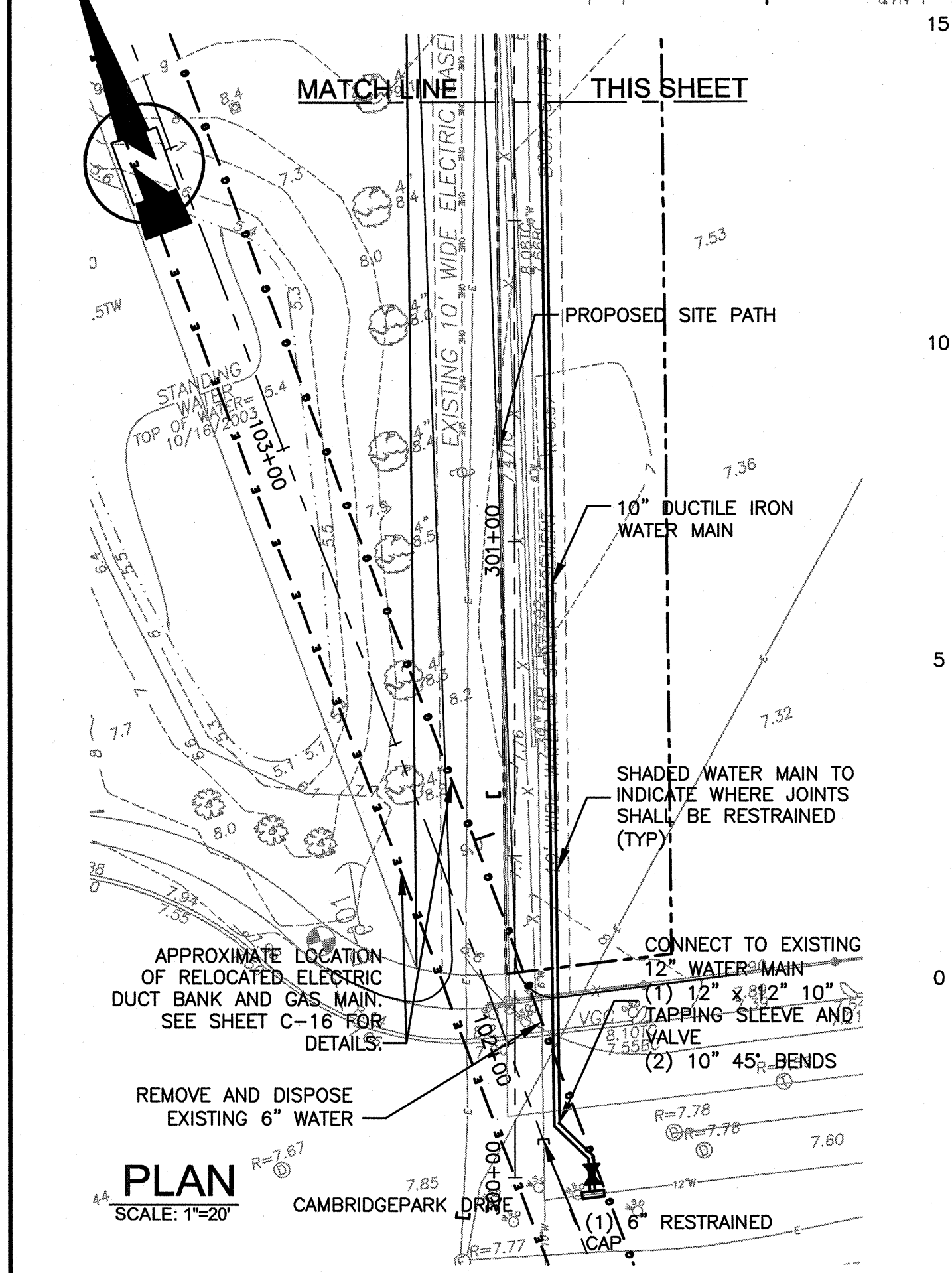
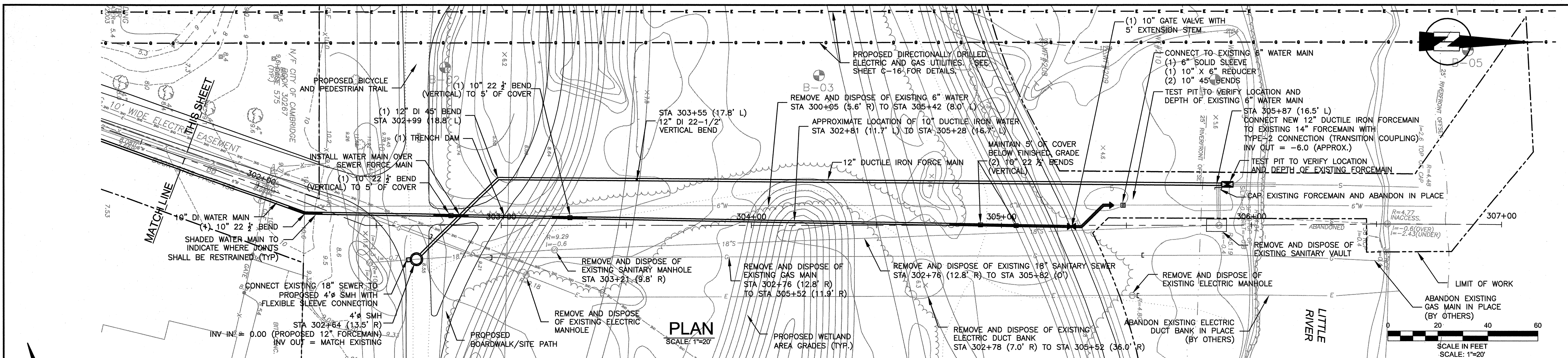


Scale	AS NOTED		
Date	SEPTEMBER 1, 2010		
Job No.	2220331		
Designed by	KMR		
Drawn by	AMF		
Checked by	MDT	No.	Description
Approved by	WCP		REVISIONS



CITY OF CAMBRIDGE, MASSACHUSETTS
 CAMBRIDGEPARK DRIVE AREA DRAINAGE IMPROVEMENTS
 CONTRACT NO. 12
 DRAIN AREA VIII - CAMBRIDGEPARK DRIVE PLAN AND PROFILE
 STA 204+50 TO 209+00

Sheet No. C-11
 File No.



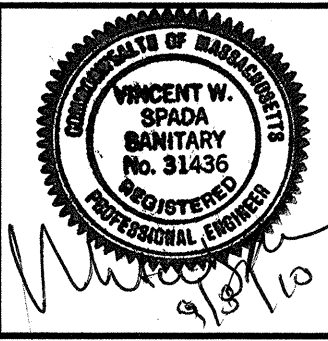
NOTES:

- LOCATIONS OF ELECTRICAL MANHOLES/ HANDHOLES AND GAS VALVES SHALL BE DETERMINED IN THE FIELD AND SHALL BE LOCATED OUTSIDE WETLAND RESOURCE AREAS.
- ALL EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL NEW INSTALLATIONS ARE FULLY OPERATIONAL.
- COORDINATE FORCEMAIN SHUT DOWN DURING FINAL CONNECTION WITH CAMBRIDGE DPW.
- REMOVE UTILITY POLES WITHIN ALEWIFE RESERVATION AREA AFTER NEW DUCT BANK IS OPERATIONAL.
- ALL BENDS AND FITTINGS ON WATER MAIN AND FORCE MAIN SHALL BE RESTRAINED. REFER TO RESTRAINT LENGTH TABLE IN WATER MAIN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THE DRAWINGS.

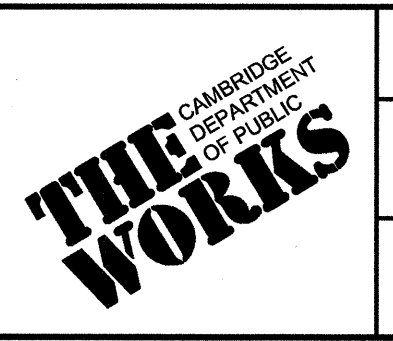
SEA
SEA CONSULTANTS INC.
Scientists/Engineers/Architects

MWH

Bioengineering GROUP
18 Commercial Street
Salem, MA 01970
T: 978.740.0096
F: 978.740.0097
www.bioengineering.com



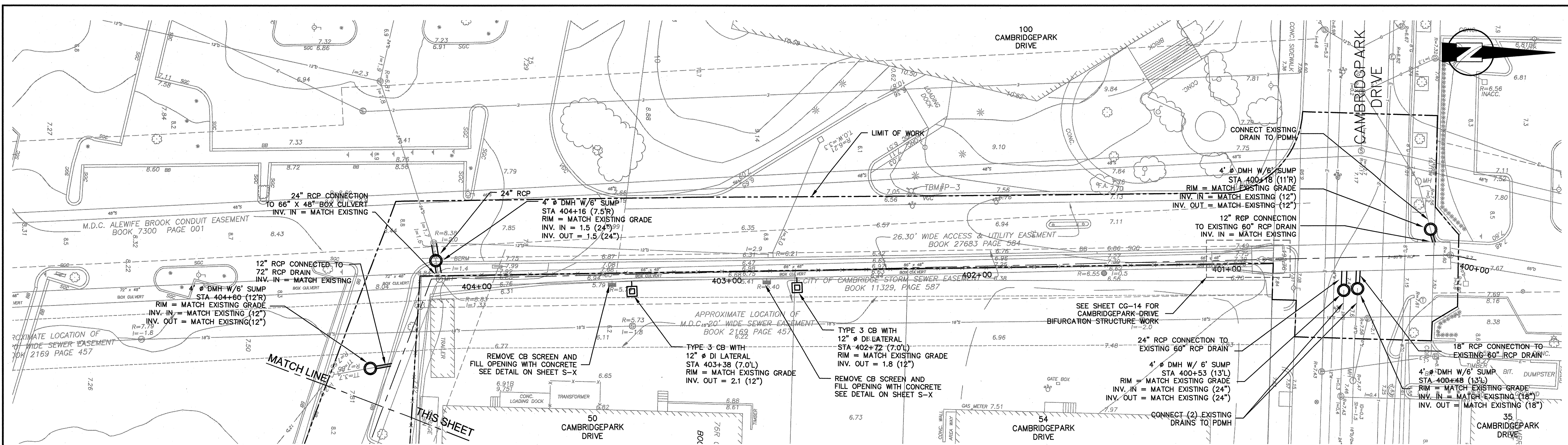
Scale	AS NOTED
Date	SEPTEMBER 1, 2010
Job No.	1998400.12
Designed by	LNS
Drawn by	LNS
Checked by	FGA
Approved by	VWS
No.	
Description	
Date	



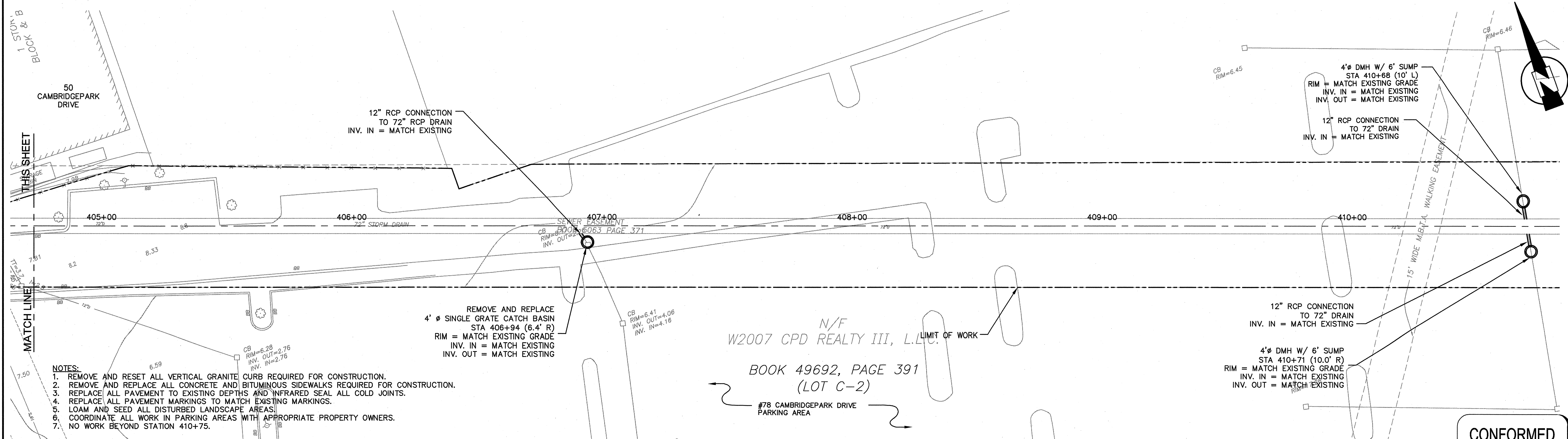
CITY OF CAMBRIDGE, MASSACHUSETTS
CAMBRIDGEPARK DRIVE AREA DRAINAGE IMPROVEMENTS
CONTRACT NO. 12
ALEWIFE RESERVATION AREA SEWER AND UTILITIES RELOCATION PLAN AND PROFILE

Sheet No. **C-12**
File No.

CONFORMED SET

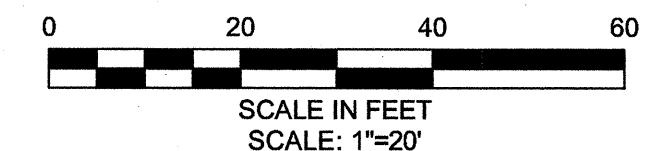


PLAN
SCALE: 1"=20'

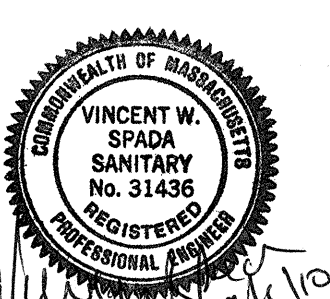
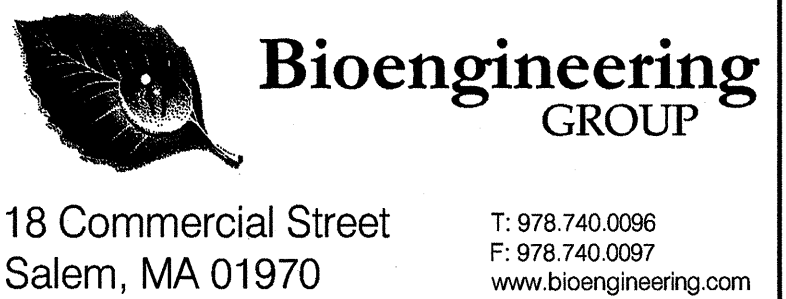


PLAN
SCALE: 1"=20'

- NOTES:**
1. REMOVE AND RESET ALL VERTICAL GRANITE CURB REQUIRED FOR CONSTRUCTION.
 2. REMOVE AND REPLACE ALL CONCRETE AND BITUMINOUS SIDEWALKS REQUIRED FOR CONSTRUCTION.
 3. REPLACE ALL PAVEMENT TO EXISTING DEPTHS AND INFRARED SEAL ALL COLD JOINTS.
 4. REPLACE ALL PAVEMENT MARKINGS TO MATCH EXISTING MARKINGS.
 5. LOAM AND SEED ALL DISTURBED LANDSCAPE AREAS.
 6. COORDINATE ALL WORK IN PARKING AREAS WITH APPROPRIATE PROPERTY OWNERS.
 7. NO WORK BEYOND STATION 410+75.



CONFORMED SET

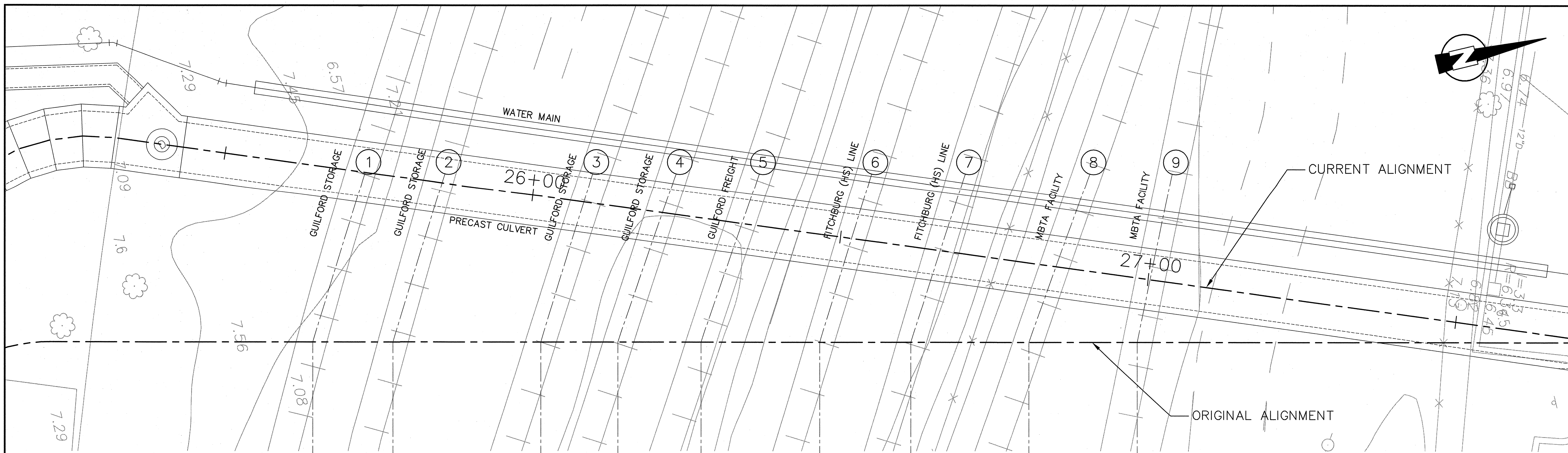


Scale	AS NOTED			
Date	SEPTEMBER 1, 2010			
Job No.	1998400.12			
Designed by	LNS			
Drawn by	LNS			
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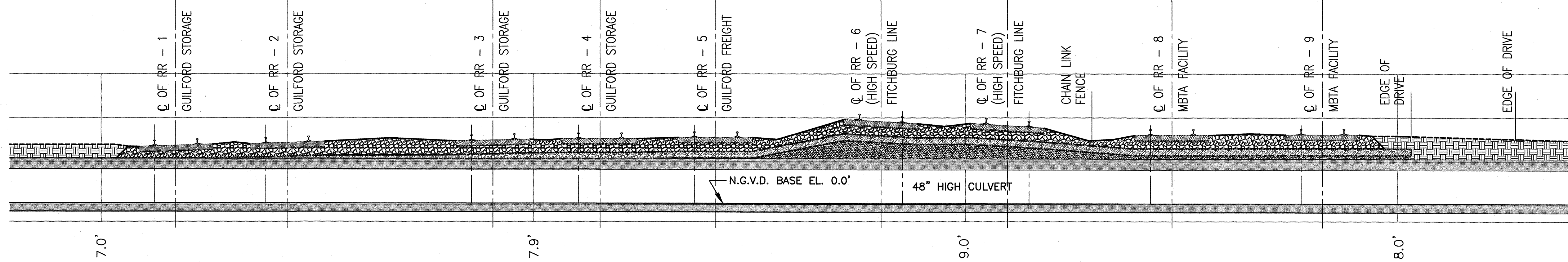
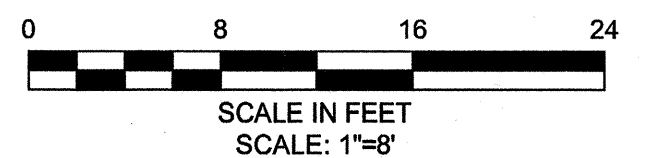
CITY OF CAMBRIDGE, MASSACHUSETTS	
CAMBRIDGEPARK DRIVE AREA DRAINAGE IMPROVEMENTS	
CONTRACT NO. 12	
CAMBRIDGEPARK DRIVE PARKING AREA DRAINAGE	

Sheet No.	C-13
File No.	



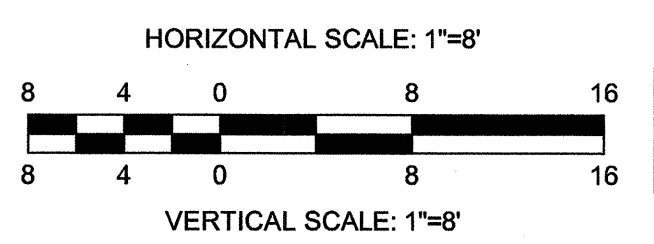
PLAN AT RAILROAD CROSSING

1" = 8'



LONGITUDINAL PROFILE AT CULVERT CENTERLINE

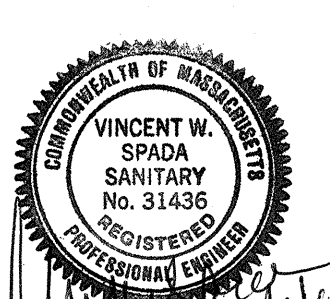
1" = 8'



LEGEND
NO SCALE

- GRADE
- RAIL TIES
- BALLAST
- SUB BALLAST
- CONTROLLED DENSITY FILL
- PRECAST CONCRETE

CONFORMED SET

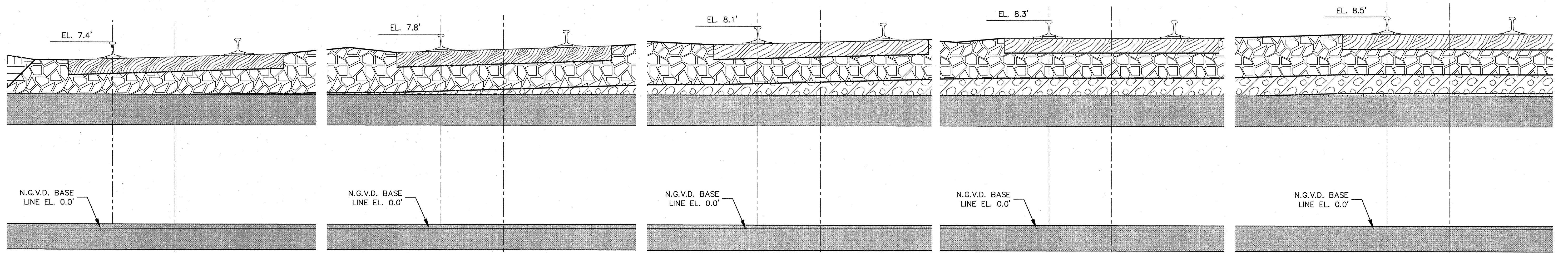


Scale	AS NOTED		
Date	SEPTEMBER 1, 2010		
Job No.	1998400.12		
Designed by	CMB		
Drawn by	FJM		
Checked by	CS	No.	Description
Approved by	WCP		REVISIONS



CITY OF CAMBRIDGE, MASSACHUSETTS
CAMBRIDGEPARK DRIVE AREA DRAINAGE IMPROVEMENTS
 CONTRACT NO. 12
RAILROAD CROSSING AT PRECAST CULVERT
 PLAN AND PROFILE

Sheet No. **C-14**
 File No.



TRACK 1 GUILFORD STORAGE

1" = 2'

TRACK 2 GUILFORD STORAGE

1" = 2'

TRACK 3 GUILFORD STORAGE

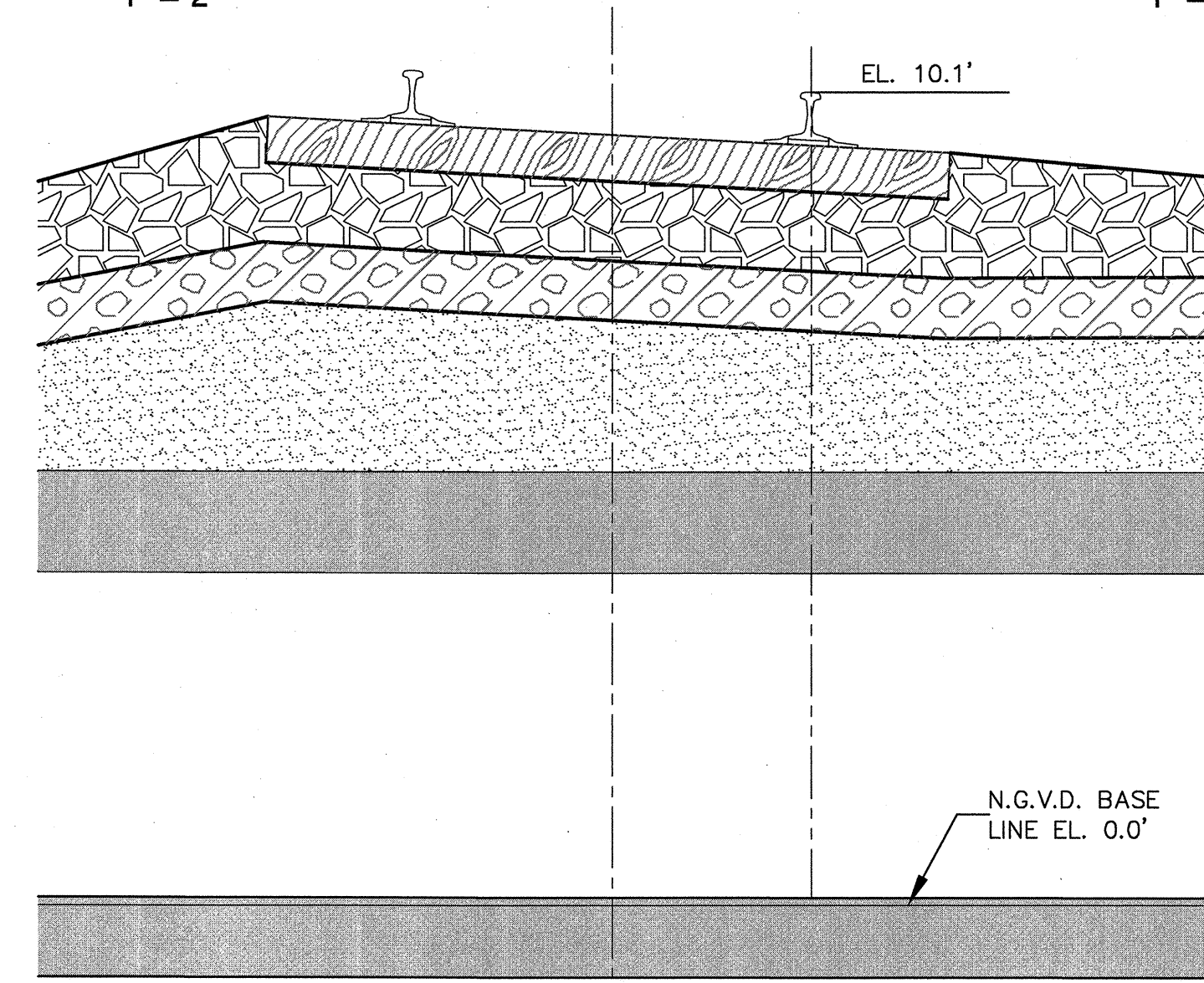
1" = 2'

TRACK 4 GUILFORD STORAGE

1" = 2'

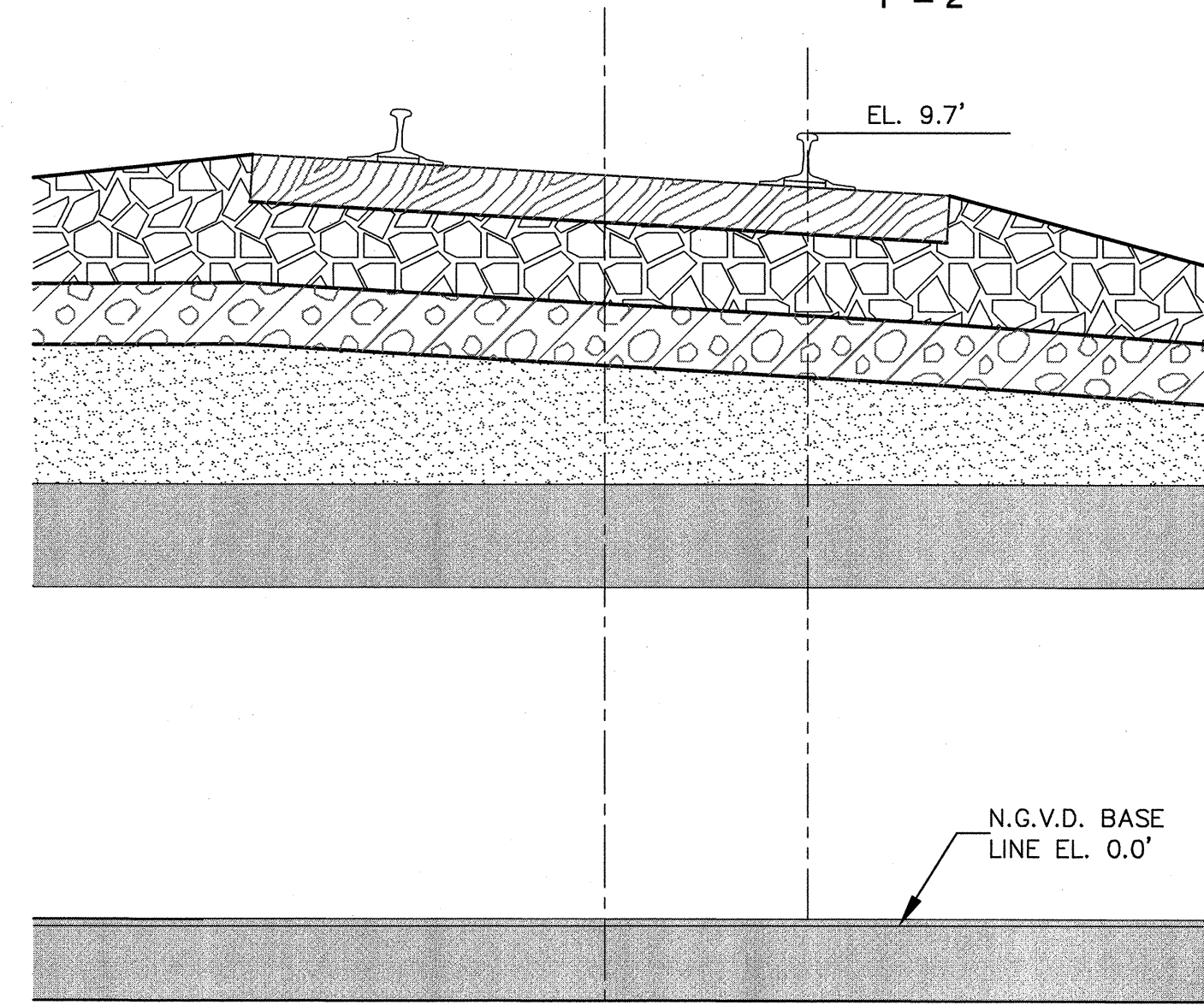
TRACK 5 GUILFORD FREIGHT

1" = 2'



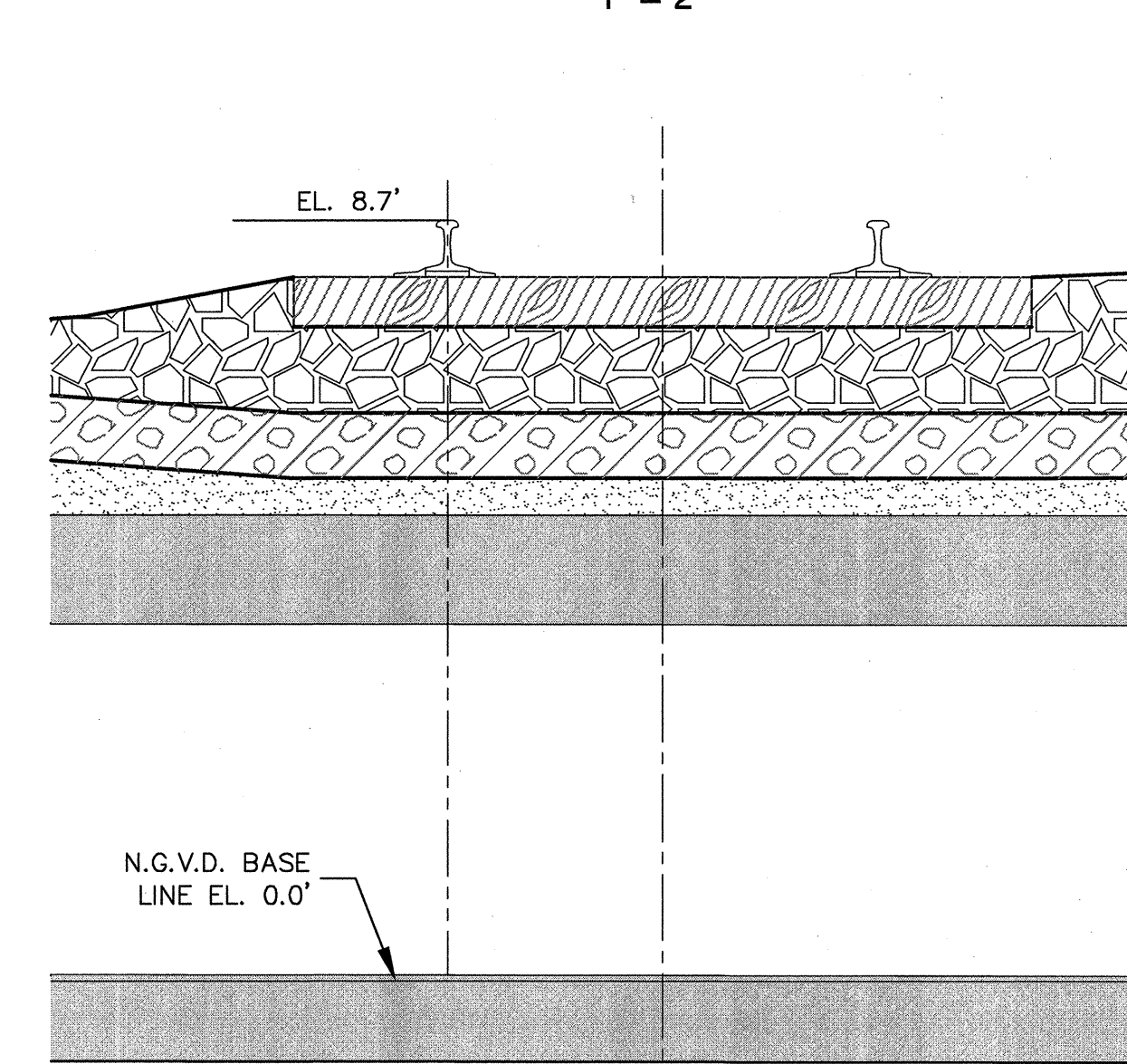
TRACK 6 (HS) MBTA / MBCR

1" = 2'



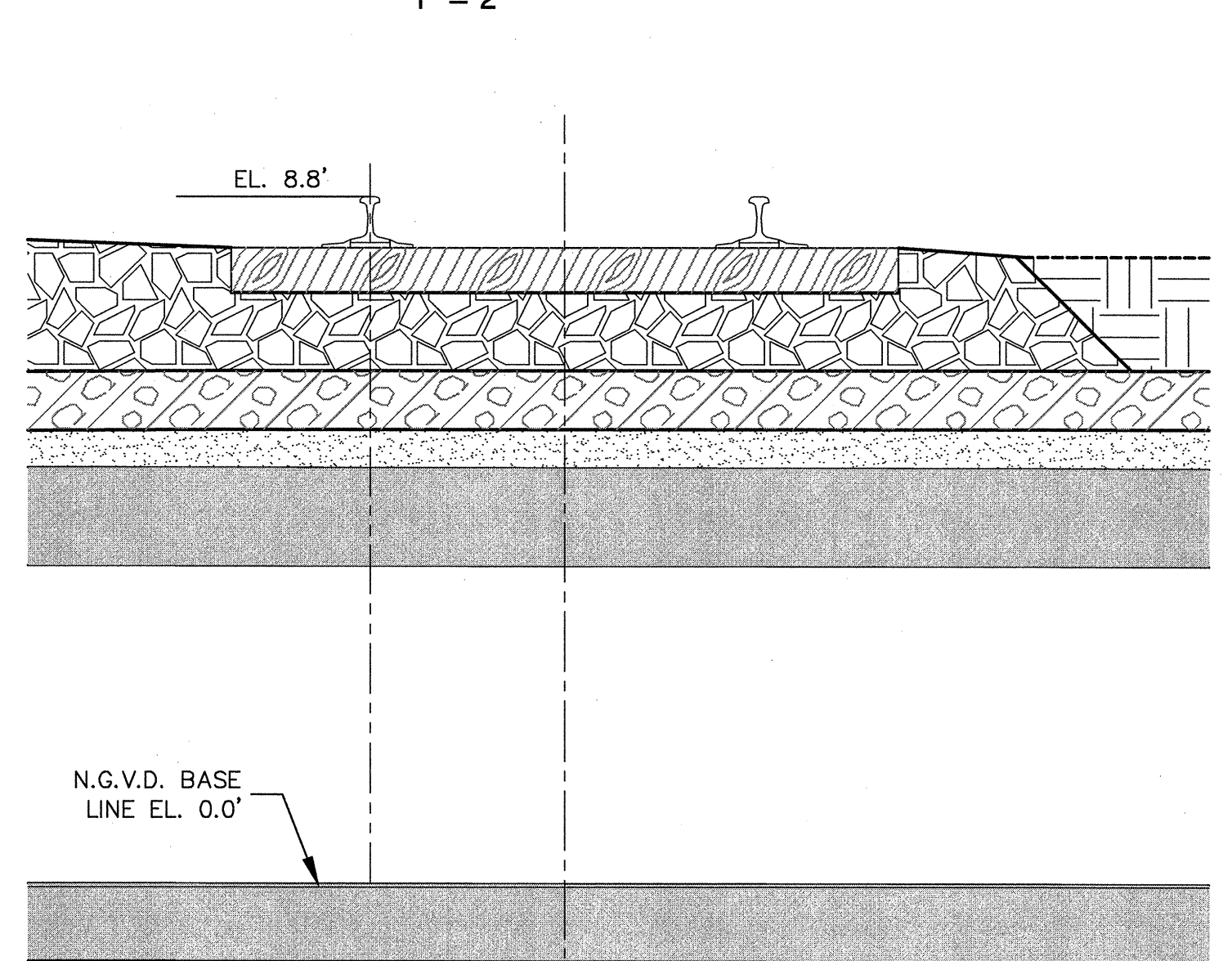
TRACK 7 (HS) MBTA / MBCR

1" = 2'



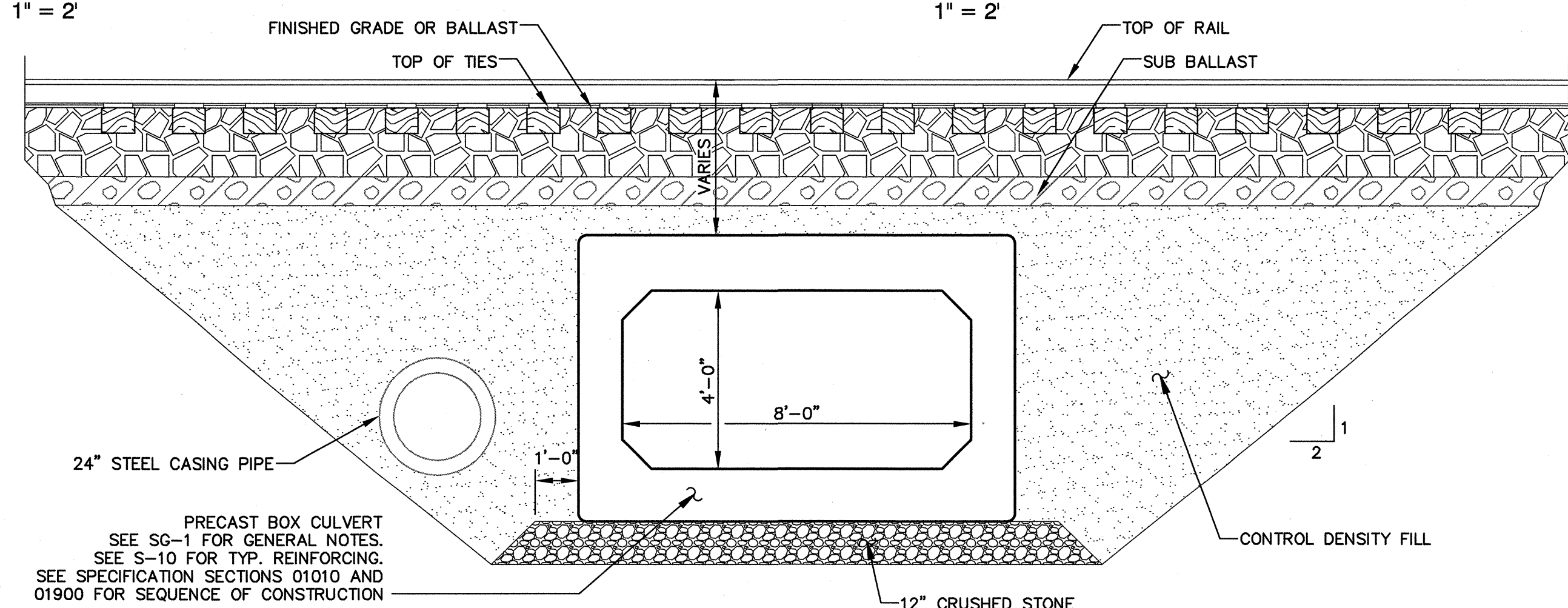
TRACK 8 MBTA / MBCR

1" = 2'



TRACK 9 MBTA / MBCR

1" = 2'



TYPICAL CULVERT CROSS SECTION

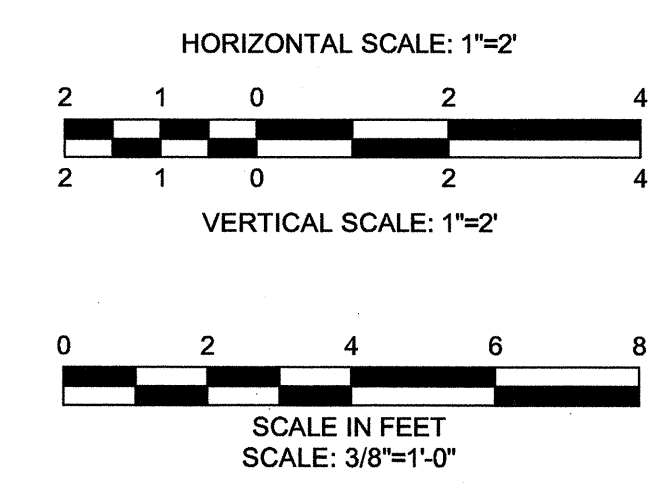
3/8" = 1'-0"

LEGEND

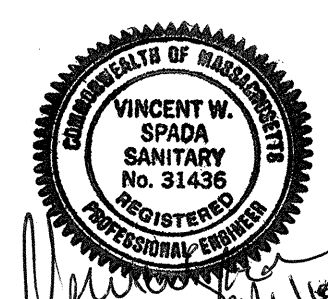
- NO SCALE
- GRADE
 - RAIL TIES
 - BALLAST
 - SUB BALLAST
 - CONTROLLED DENSITY FILL
 - PRECAST CONCRETE

NOTES

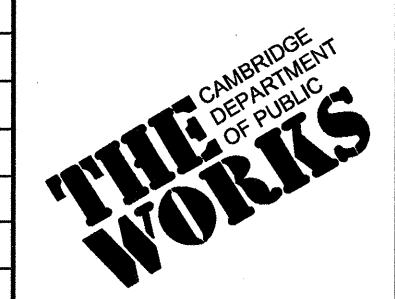
1. RAILROAD TRACK ELEVATIONS ARE APPROXIMATE, CONTRACTOR TO VERIFY ALL RAILROAD TRACK ELEVATIONS IN THE FIELD.
2. CONTRACTOR TO REFER TO SHEET C-08 FOR CULVERT ELEVATIONS.



CONFORMED SET

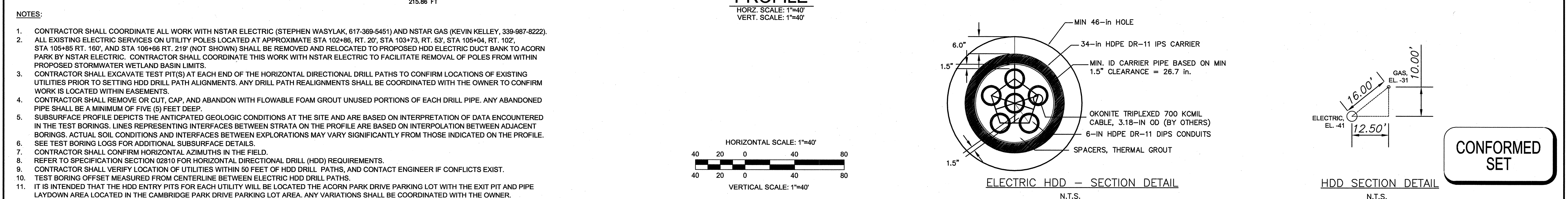
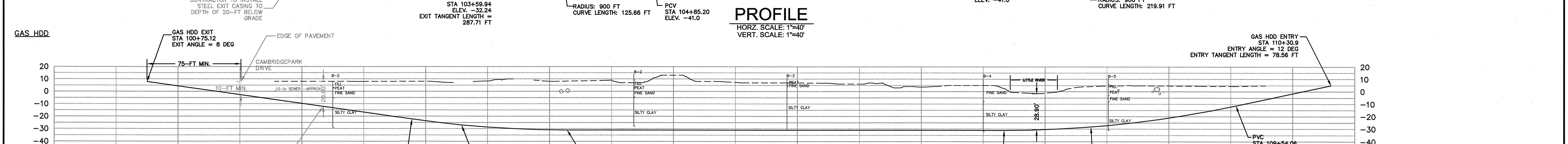
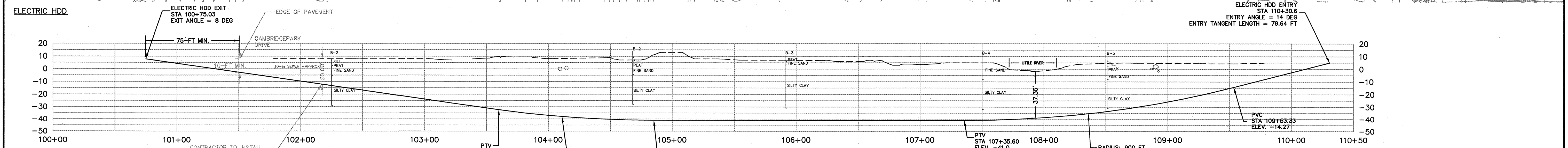
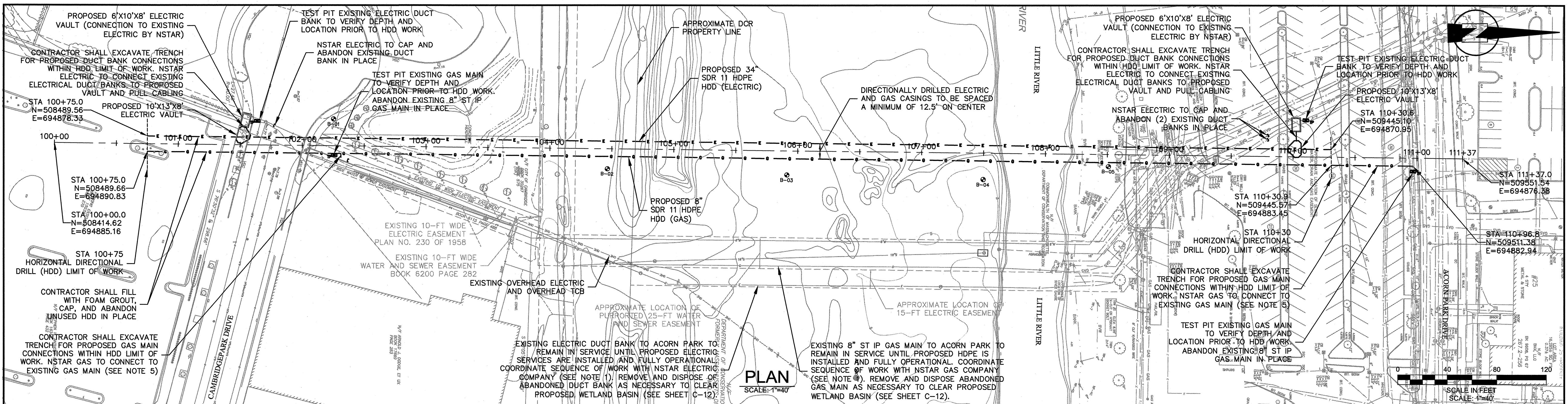


Scale	AS NOTED		
Date	SEPTEMBER 1, 2010		
Job No.	1998400		
Designed by	CMB		
Drawn by	FJM		
Checked by	CS	No.	Description
Approved by	WCP		REVISIONS



CITY OF CAMBRIDGE, MASSACHUSETTS
 CAMBRIDGEPARK DRIVE AREA DRAINAGE IMPROVEMENTS
 CONTRACT NO. 12
 GUILFORD / MBTA / MBCR LINES - TRACKS 1 THRU 9
 CROSSING DETAILS AND TYP. CULVERT SECTIONS

Sheet No. **C-15**
 File No.



<p>SEA CONSULTANTS INC. Scientists/Engineers/Architects</p>	<p>MWH</p>	<p>Bioengineering GROUP 18 Commercial Street Salem, MA 01970 T: 978.740.0096 F: 978.740.0097 www.bioengineering.com</p>		Scale	AS NOTED		CITY OF CAMBRIDGE, MASSACHUSETTS		Sheet No. C-16 File No.
				Date	SEPTEMBER 1, 2010		CAMBRIDGE PARK DRIVE AREA DRAINAGE IMPROVEMENTS		
Job No.	1998400.12	CONTRACT NO. 12		HORIZONTAL DIRECTIONAL DRILL UTILITY CROSSING		ELECTRIC AND GAS			
Designed by	NHS	REVISIONS		No.		Description		Date	
Drawn by	TMP	No.		Description		Date		Date	
Checked by	JJS	No.		Description		Date		Date	
Approved by	JRP	No.		Description		Date		Date	