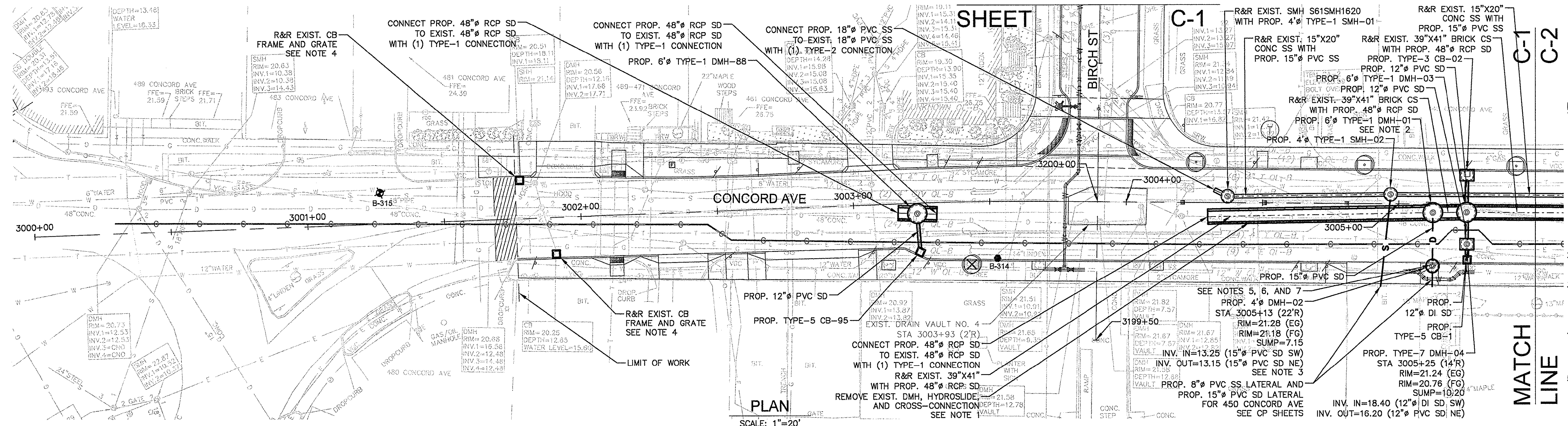
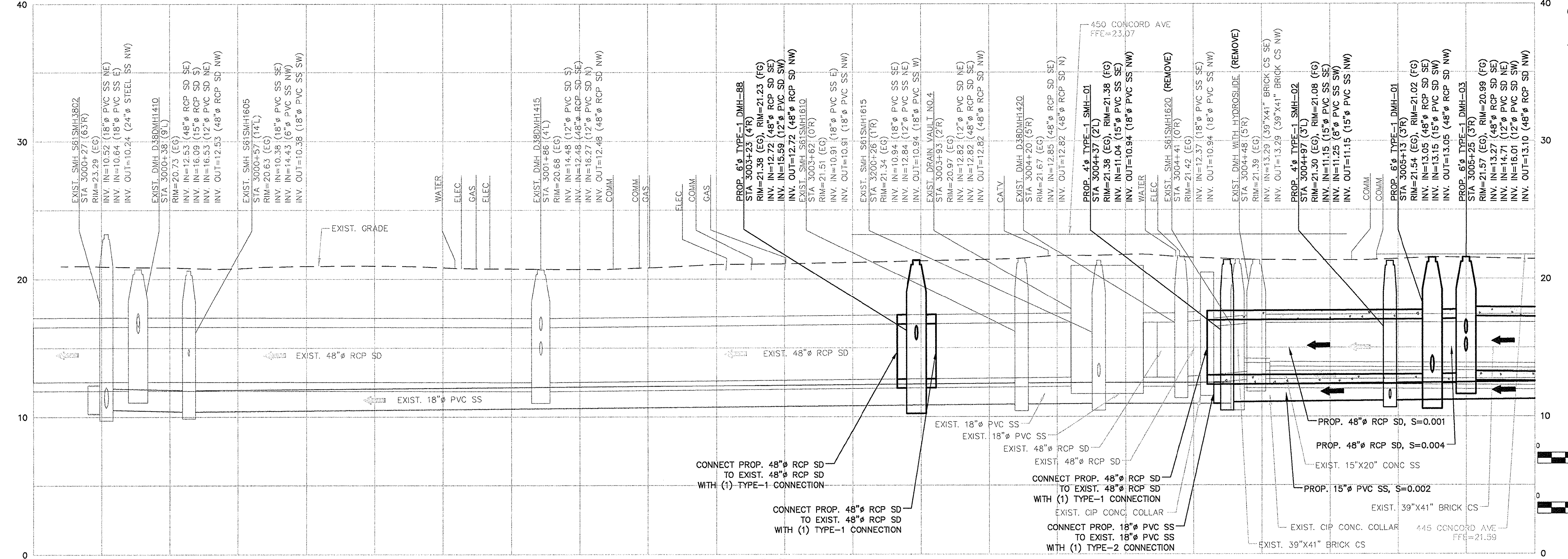


SEE SHEET C-12
C-1

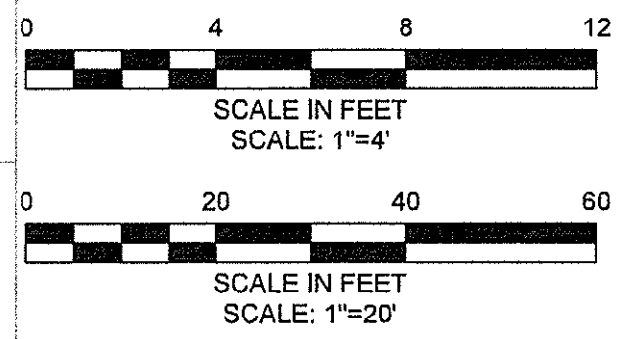


PLAN
SCALE: 1"=20'

- NOTES:
- CONTRACTOR TO DISASSEMBLE HYDROSLIDE AND REMOVE THROUGH 30" ACCESS COVER WITHOUT ASSEMBLED HYDROSLIDE AND ALL HARDWARE TO CAMBRIDGE DPW FOR FUTURE USE. CONTRACTOR TO CUT ALL STEEL ANCHOR BOLTS FLUSH WITH CONCRETE WALL. REFER TO SPECIFICATION SECTION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF THIS WORK.
 - CONTRACTOR TO INSTALL 15" FLAP GATE ON PROP. 15" PVC SD INLET.
 - CONTRACTOR TO INSTALL 4" PRECAST CONCRETE INLET OIL/SEDIMENT SEPARATOR AS DMH-02. REFER TO SPECIFICATION 03411.
 - CONTRACTOR TO FIELD VERIFY SIZE OF EXIST. CB. R&R EXIST. CB FRAME AND GRATE TO CONFORM WITH CG SHEETS.
 - KNOWN ILLICIT CONNECTION FROM 450 CONCORD AVE. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS. SEE SHEET CP-4 FOR DETAILED RECONNECTION DESIGN.
 - CCTV INSPECTION IDENTIFIED PIPE AS ASBESTOS CEMENT PIPE. CONTRACTOR TO FIELD VERIFY.
 - CUT AND REMOVE EXIST. PIPE IN ACCORDANCE WITH SPECIFICATION SECTION 02076.



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

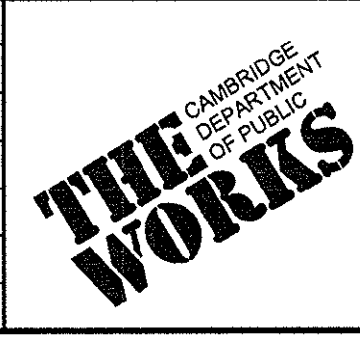


CONFORMED SET

PLOTTED: 2/20/2014 3:46 PM BY: net.hls
 LAYOUT: C1 Concord Ave
 CAD FILE: C:\pwworking\01286950\CONCORD_C01-C08.dwg

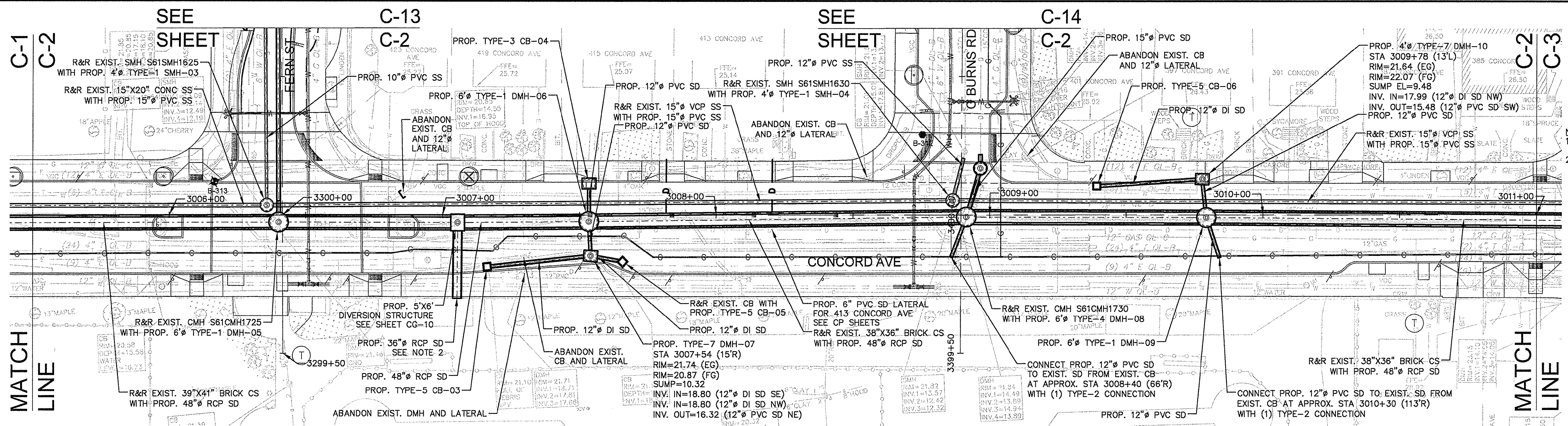


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO

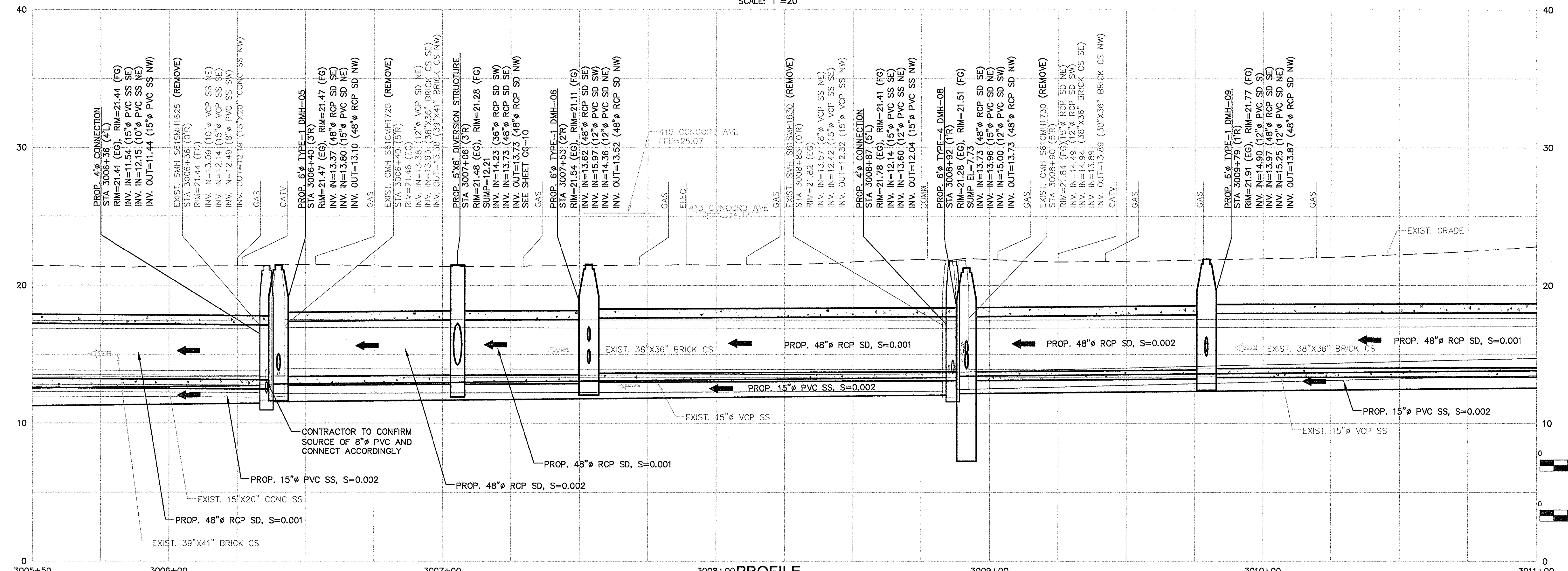


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE CONCORD AVE STA 3000+00 TO STA 3005+50

Sheet	C-1
File No.	

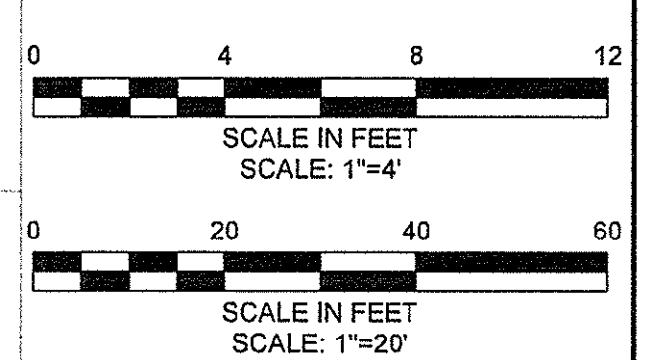


PLAN
SCALE: 1"=20'



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

- NOTES:
1. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 2. PROVIDE BULKHEAD AT BOTH ENDS OF PROP. 36" RCP SD FOR FUTURE USE. SEE SHEET CG-10.

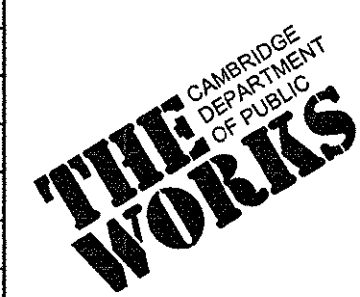


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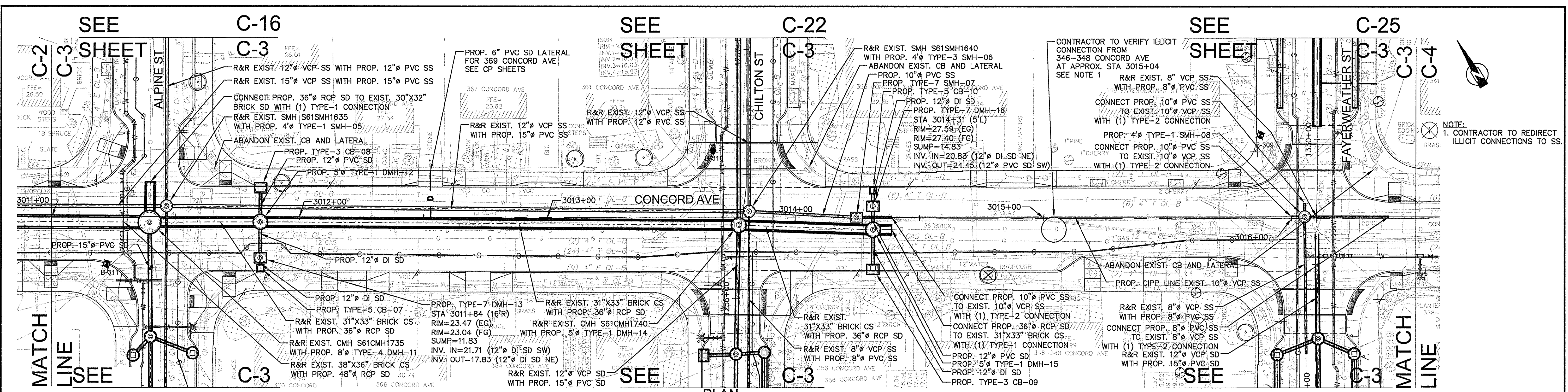
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 LAYOUT: C-2 Concord Ave



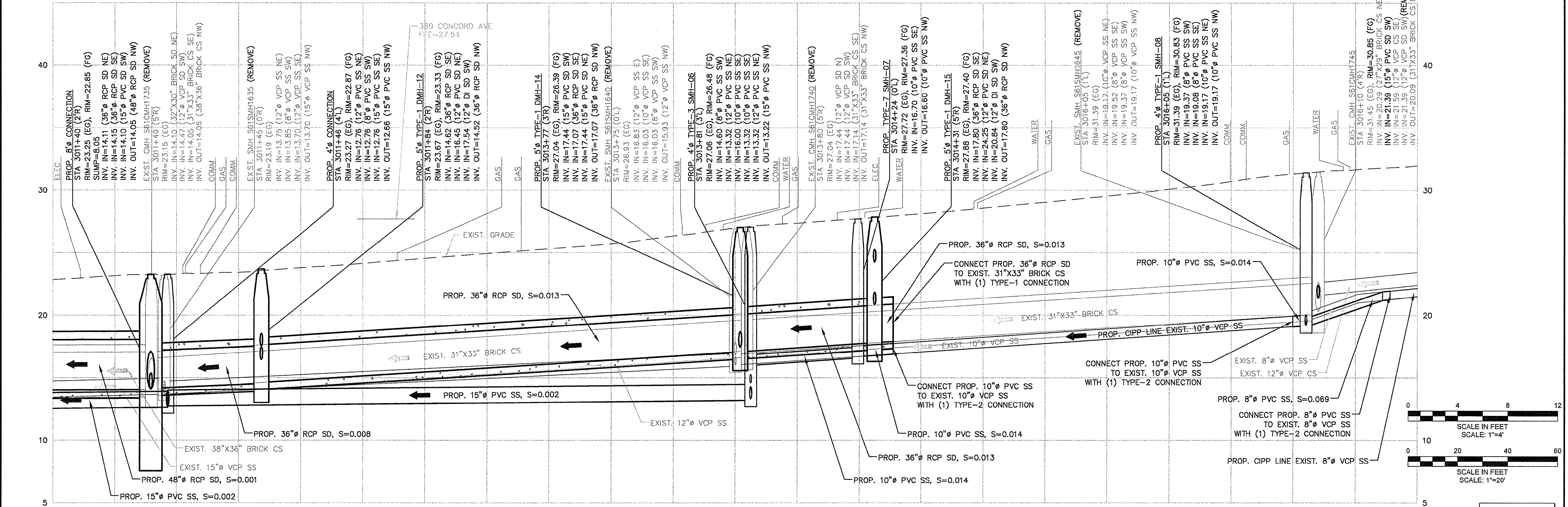
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO



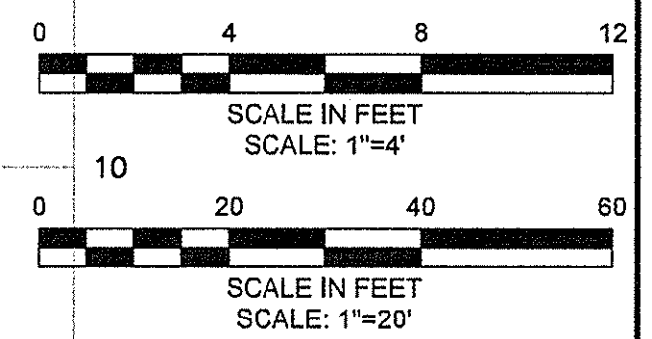
Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	C-2
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	
Drawing	CIVIL - PLAN AND PROFILE CONCORD AVE STA 3005+50 TO STA 3011+00		



SCALE: 1"=20'



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

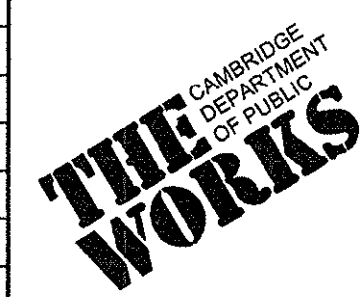


CONFORMED SET

PLOTTED: 2/20/2014 3:42 PM BY: mck/mis
 LAYOUT: C-3 Concord Ave

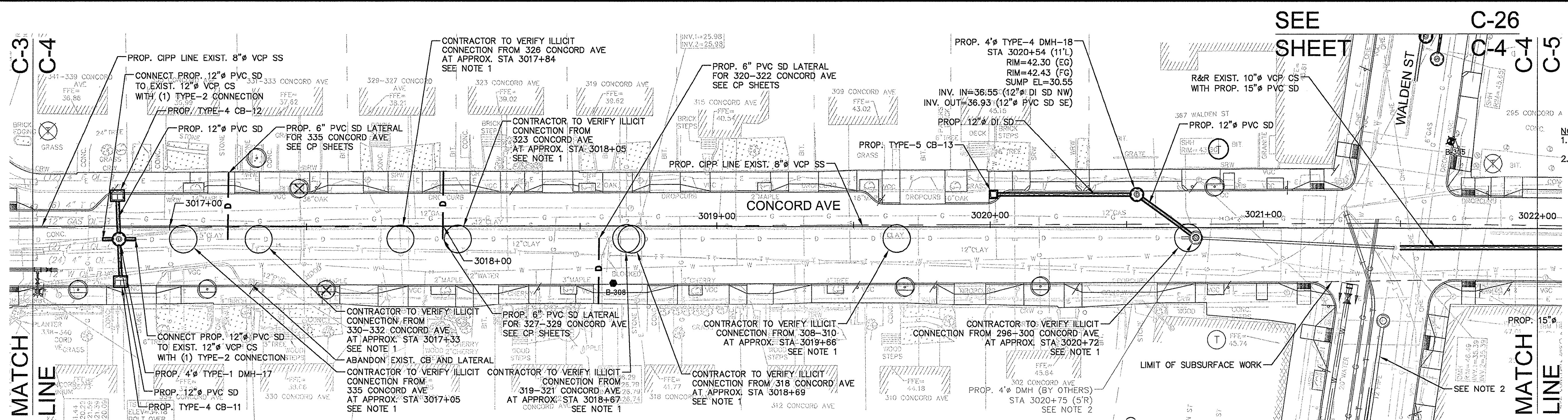


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO

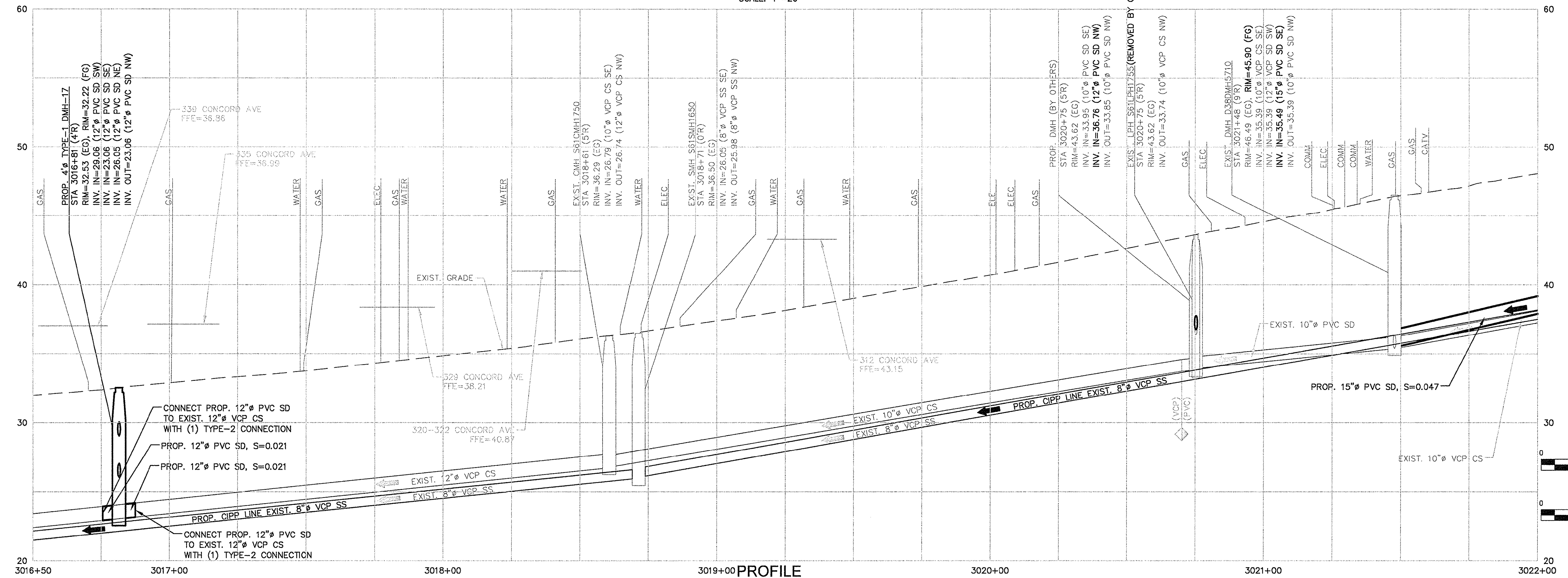


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE CONCORD AVE STA 3011+00 TO STA 3016+50

Sheet	C-3
File No.	

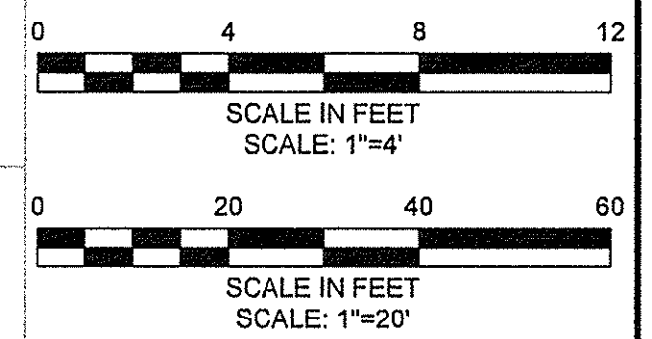


PLAN
SCALE: 1"=20'



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

NOTES:
1. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
2. CONTRACTOR TO COORDINATE ALL "BY OTHERS" WORK AND WORK BEYOND "LIMIT OF WORK" WITH HURON 88 CONTRACTOR AND ENGINEER. WORK IDENTIFIED AS "ABANDON" IS THIS CONTRACT. WORK IDENTIFIED AS "ABANDONED" IS BY OTHERS.

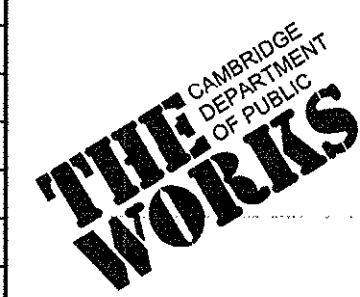


CONFORMED SET

PLOTTED: 2/20/2014 3:44 PM BY: msk/bmg
 LAYOUT: C-4 Concord Ave

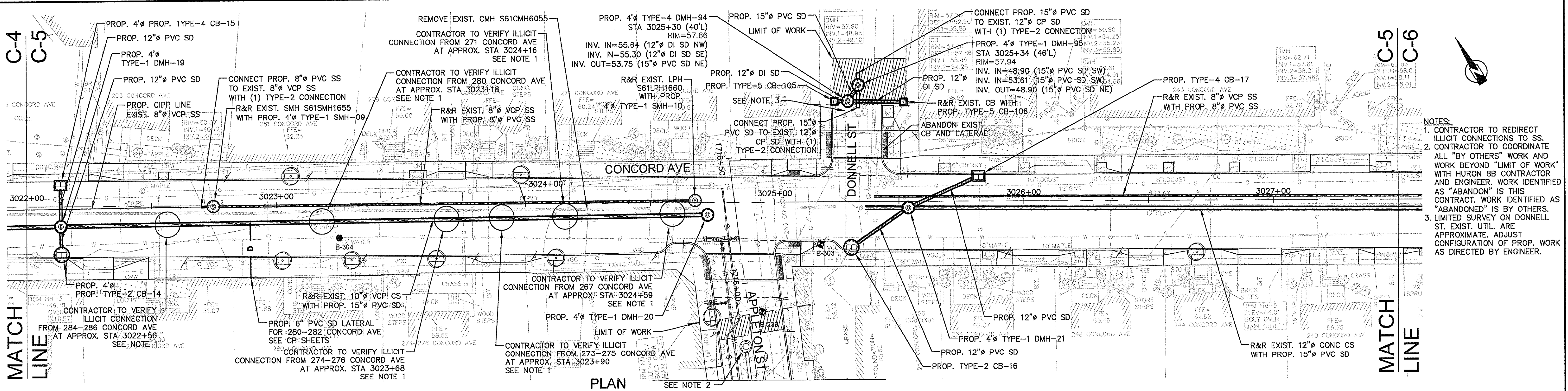


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date
			REVISIONS



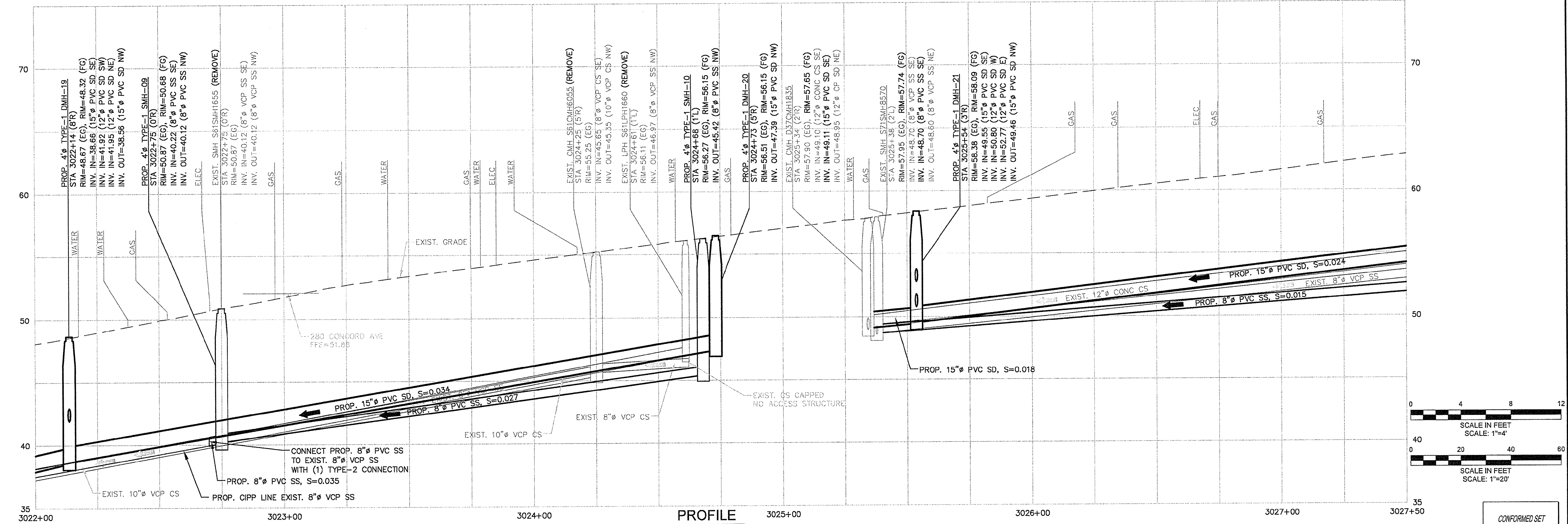
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE CONCORD AVE STA 3016+50 TO STA 3022+00

Sheet	C-4
File No.	

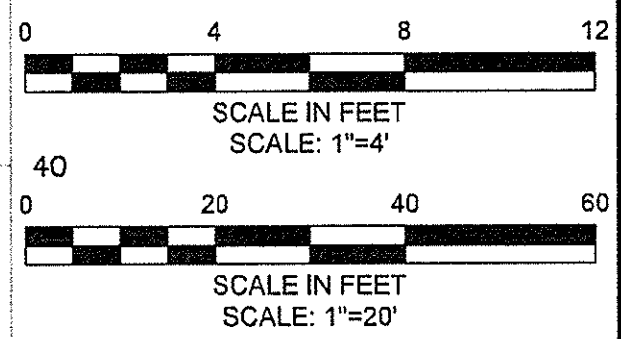


PLAN
SCALE: 1"=20'

- NOTES:
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - CONTRACTOR TO COORDINATE ALL "BY OTHERS" WORK AND WORK BEYOND "LIMIT OF WORK" WITH HURON 8B CONTRACTOR AND ENGINEER. WORK IDENTIFIED AS "ABANDON" IS THIS CONTRACT. WORK IDENTIFIED AS "ABANDONED" IS BY OTHERS.
 - LIMITED SURVEY ON DONNELL ST. EXIST. UTIL. ARE APPROXIMATE. ADJUST CONFIGURATION OF PROP. WORK AS DIRECTED BY ENGINEER.

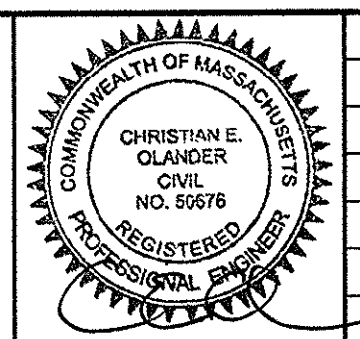


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

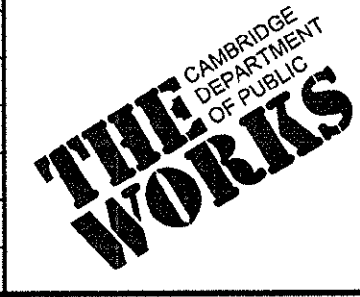


CONFORMED SET

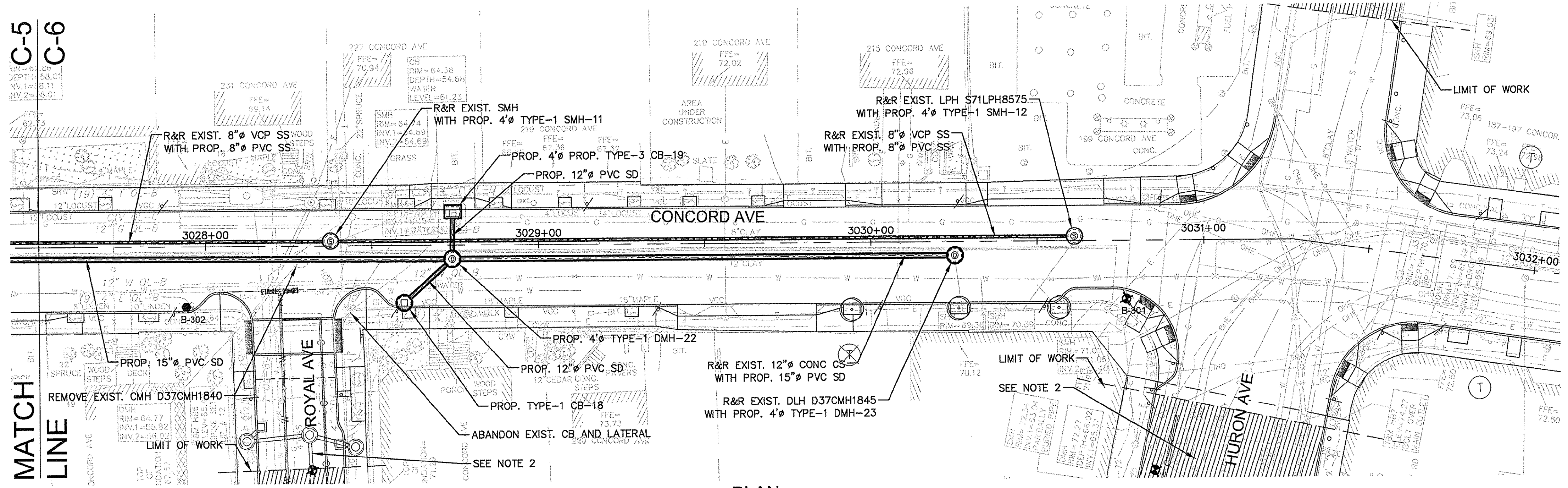
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 CAD FILE: C:\projects\1012899\CONC9_C01-C06.dwg



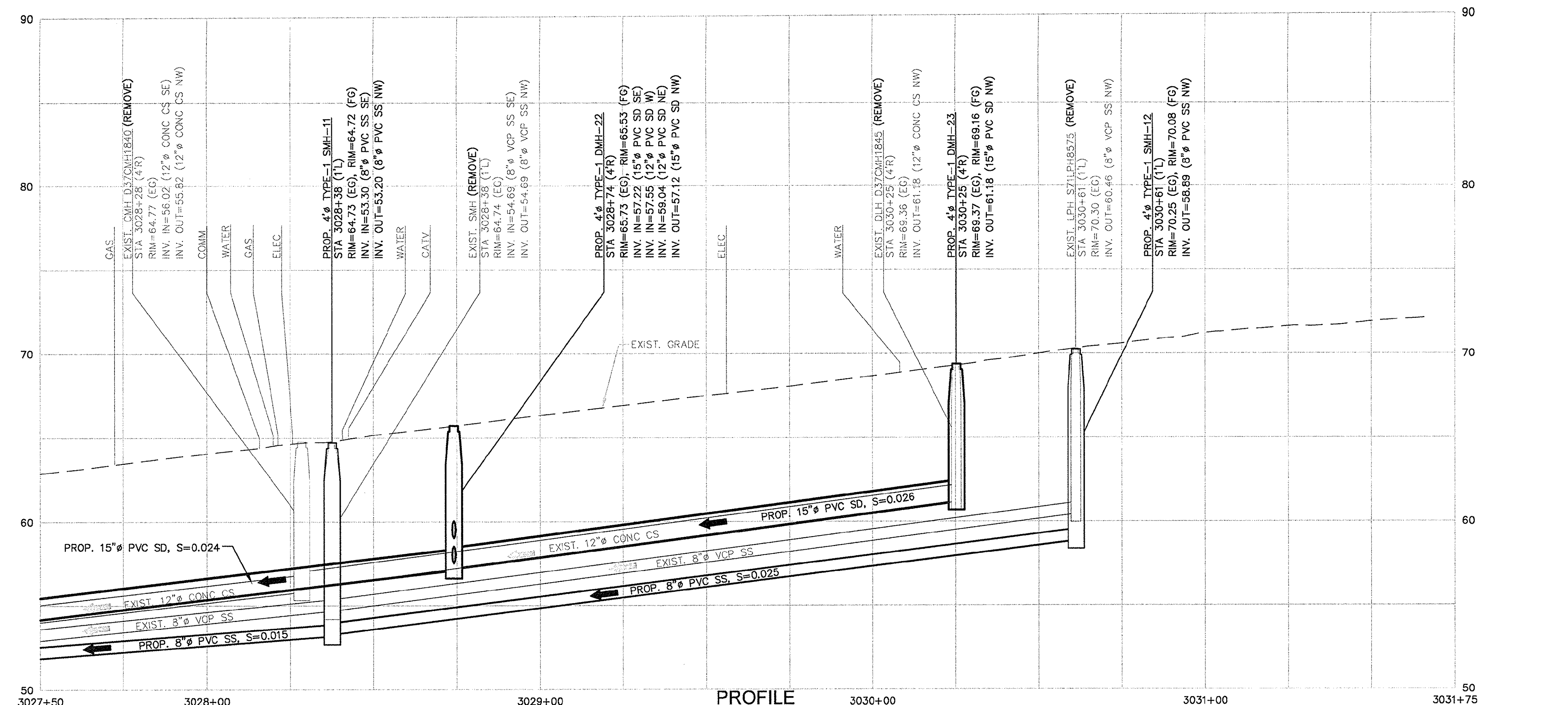
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	C-5
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	
Drawing	CIVIL - PLAN AND PROFILE CONCORD AVE STA 3022+00 TO STA 3027+50		

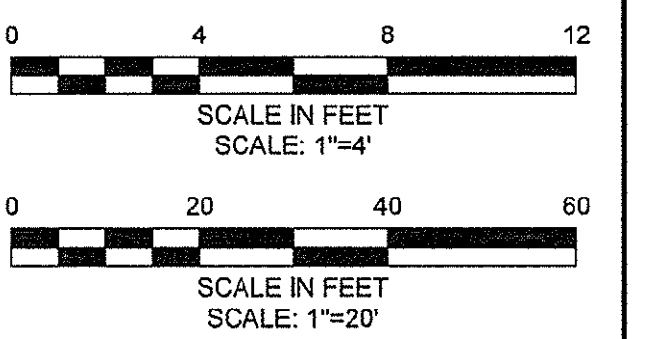


PLAN
SCALE: 1"=20'



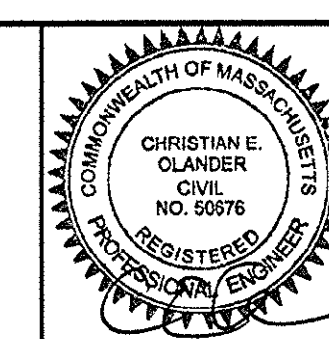
PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

NOTE:
1. CONTRACTOR TO COORDINATE ALL "BY OTHERS" WORK AND WORK BEYOND "LIMIT OF WORK" WITH HURON 8B CONTRACTOR AND ENGINEER. WORK IDENTIFIED AS "ABANDON" IS THIS CONTRACT. WORK IDENTIFIED AS "ABANDONED" IS BY OTHERS.



CONFORMED SET

PLOTTED: 22/02/2014 3:46 PM BY: msk info
 LAYOUT: C-6 Concord Ave
 CAD FILE: C:\pwworking\10128606\CONC_001_C06.dwg



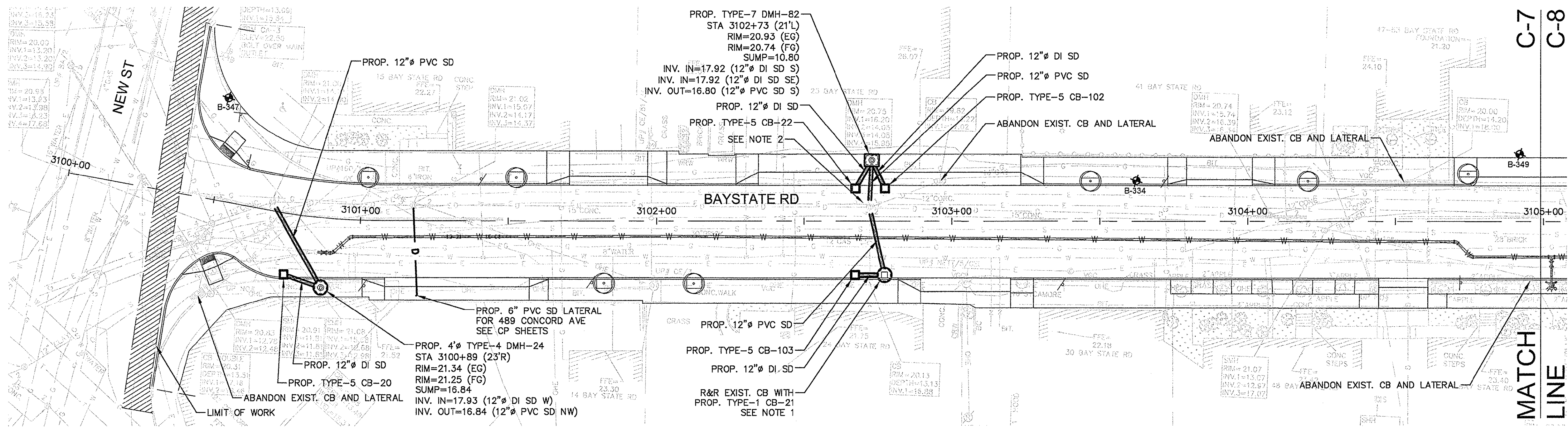
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO

No.	Description	Date

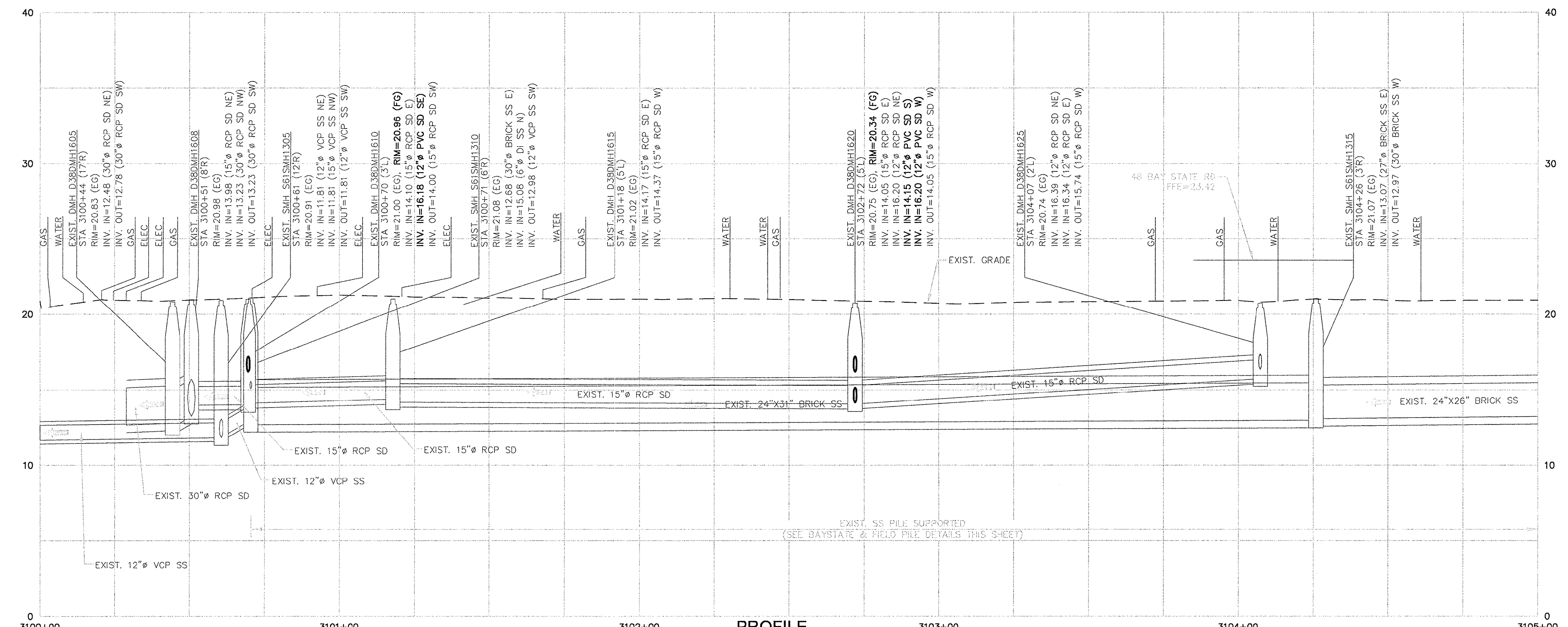


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE CONCORD AVE STA 3027+50 TO STA 3032+00

Sheet	C-6
File No.	

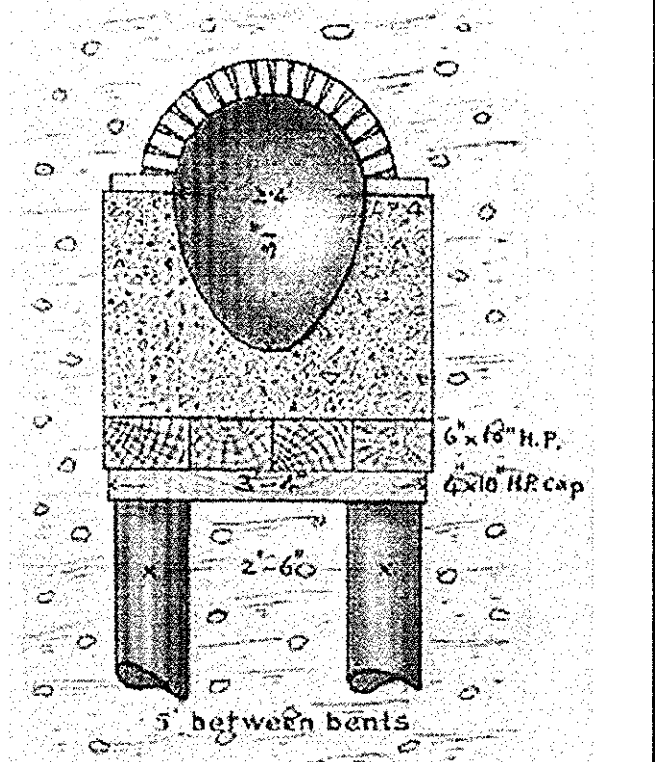


PLAN
SCALE: 1"=20'

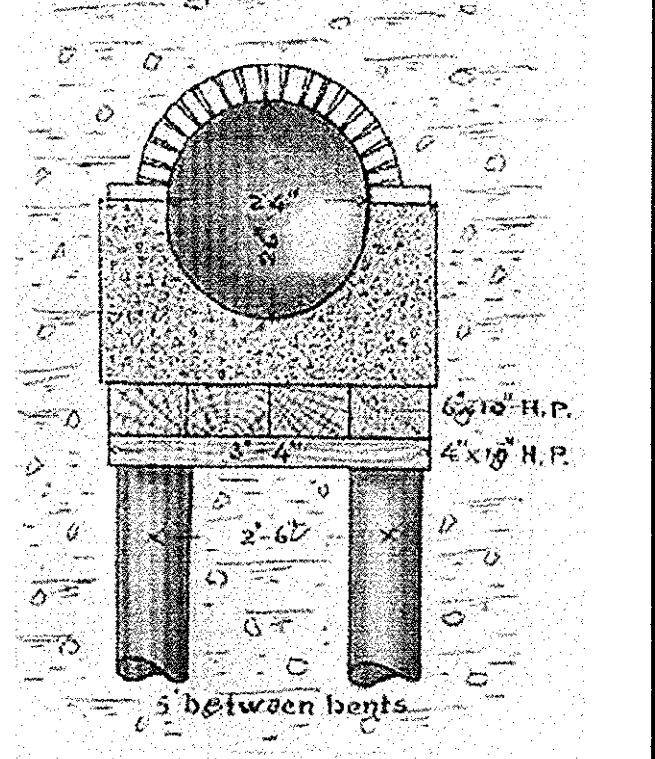


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

- NOTES:**
- PRIOR TO ORDERING PROP. CB, CONTRACTOR AND ENGINEER TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS CG-5 AND CG-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6"-0" SUMP DEPTH.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.

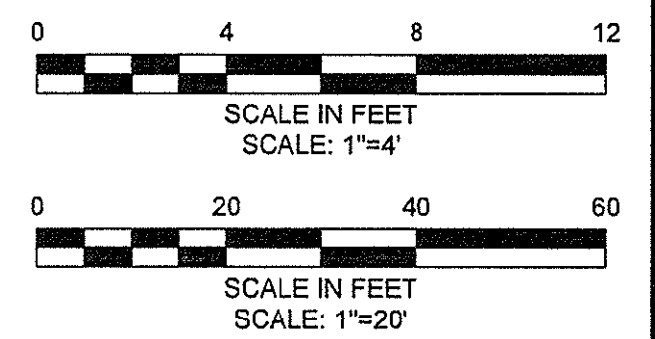


EXIST. 24"x31" SUPPORT

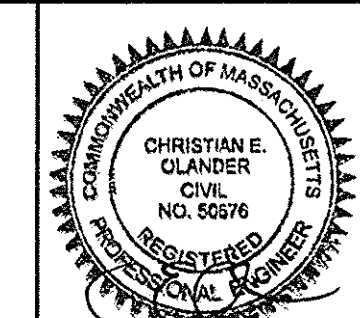


EXIST. 24"x26" SUPPORT

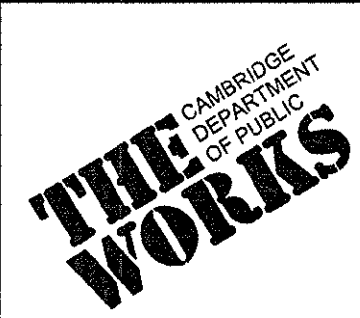
BAYSTATE & FIELD SS PILE DETAILS
CROSS SECTION OF EXIST. SEWER WITH CONCRETE AND UNKNOWN TIMBER PILES



CONFORMED SET



Scale	AS NOTED			
Date	JANUARY 27, 2014			
Job No.	20120256.001A			
Designed by	KWG			
Drawn by	NFT			
Checked by	AML	No.	Description	Date
Approved by	EO		REVISIONS	



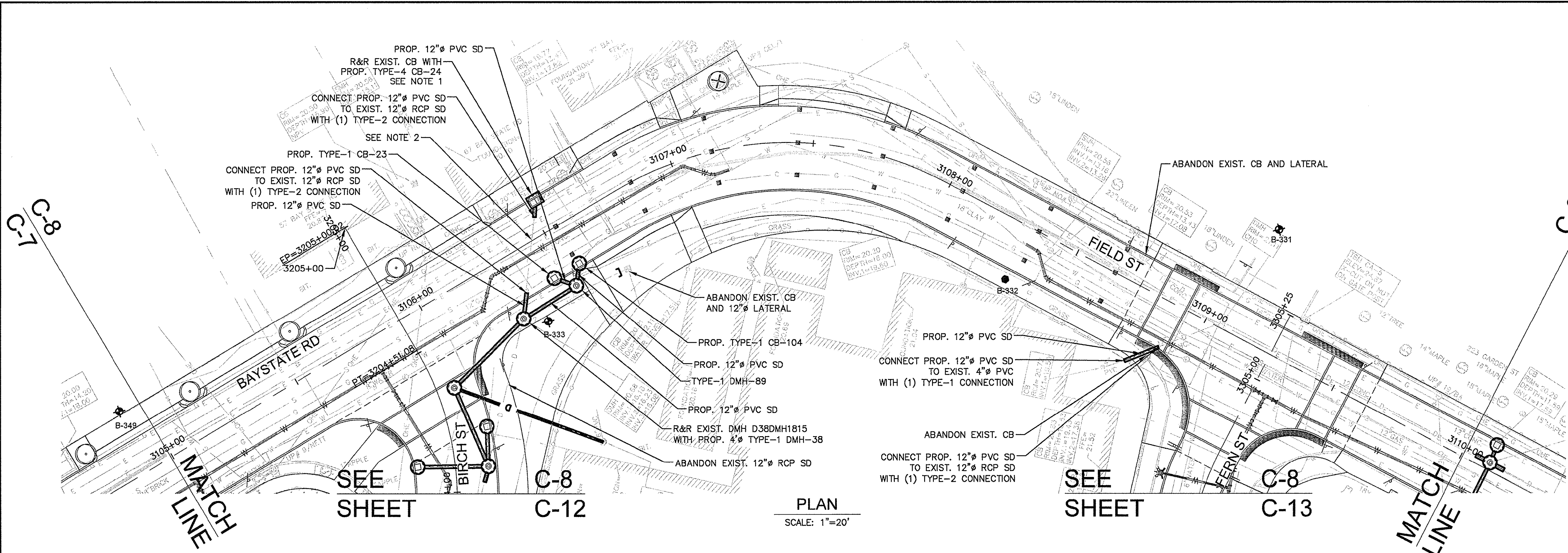
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE BAYSTATE RD STA 3100+00 TO STA 3105+00

Sheet	C-7
File No.	

PLOTTED: 2/20/2014 4:08 PM By: mck:mhb
 LAYOUT: C-7 Baystate Rd
 CAD FILE: C:\pwworking\mck\2014\CON9_C07-C13.dwg

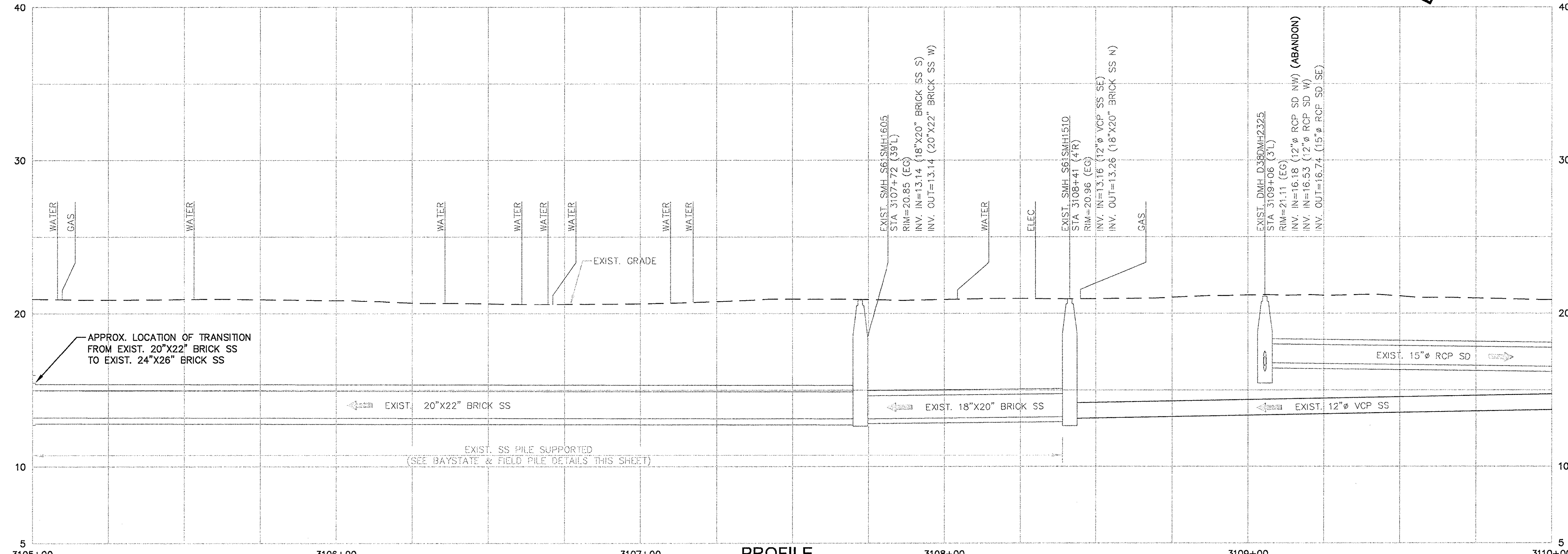
PLOTTED: 2/20/2014 4:07 PM BY: mck/brg

CAD FILE: C:\pwworking\128666\CONG_C07_C13.dwg LAYOUT: C-8 Baystate_Field

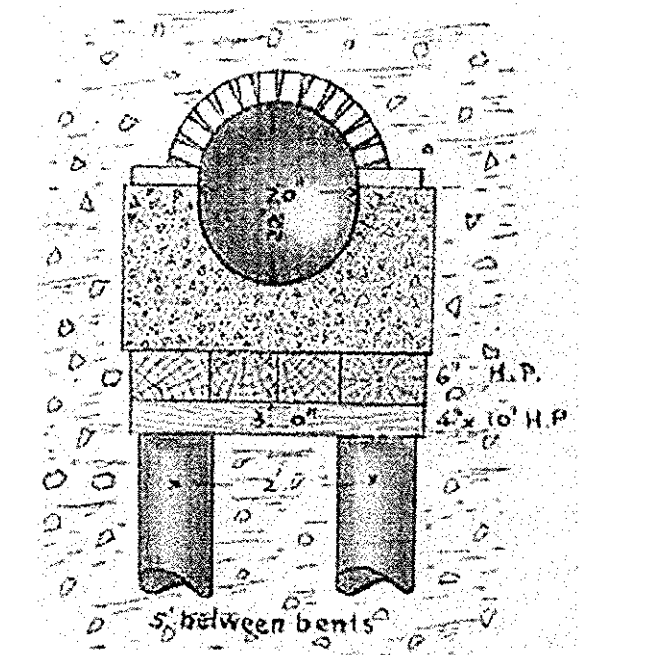


- NOTES:**
1. PRIOR TO ORDERING PROP. CB, CONTRACTOR AND ENGINEER TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS CG-5 AND CG-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6"-0" SUMP DEPTH.
 2. REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.

PLAN
SCALE: 1"=20'

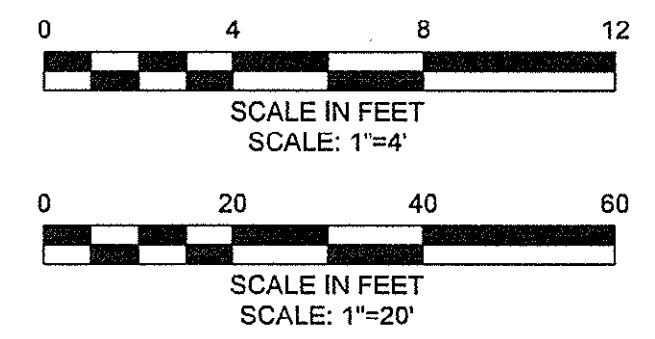


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

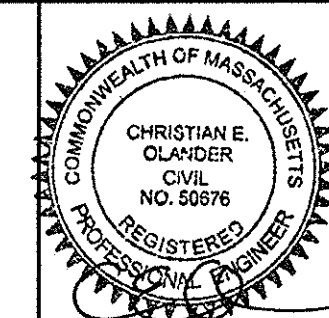


EXIST. 20"X22" SUPPORT

BAYSTATE & FIELD SS PILE DETAILS
CROSS SECTION OF EXIST. SEWER WITH CONCRETE AND UNKNOWN TIMBER PILES.



CONFORMED SET

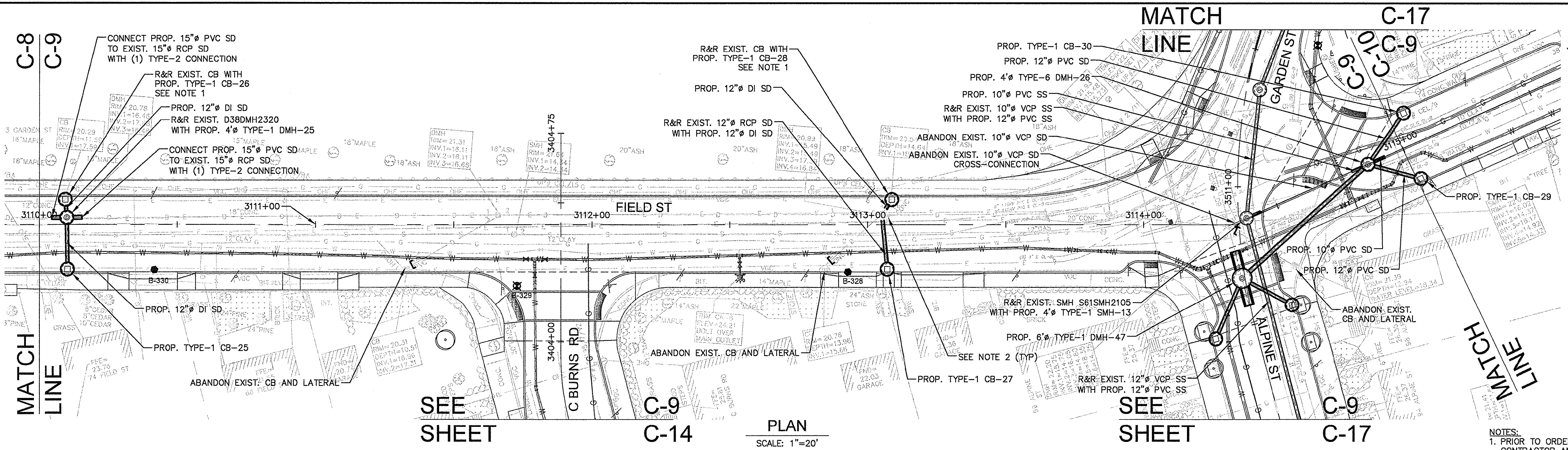


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	KWG		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date



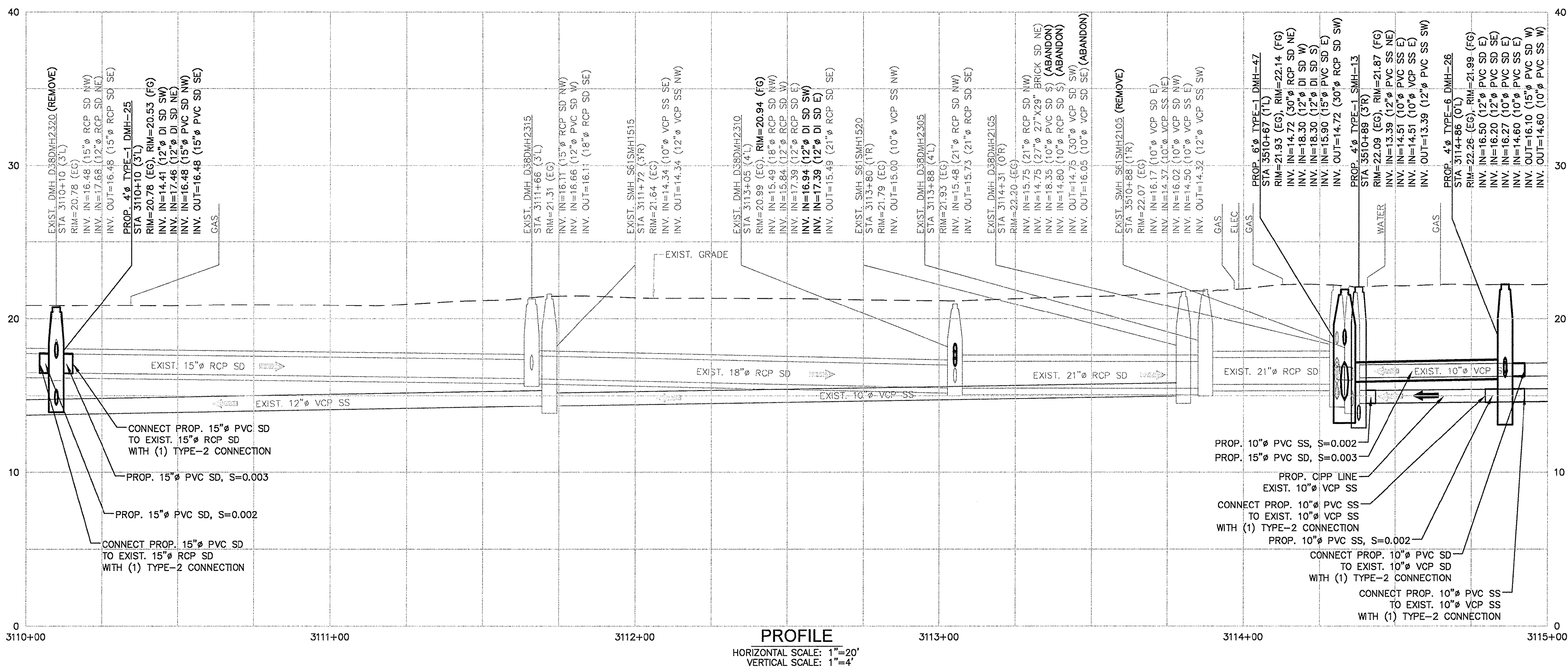
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE BAYSTATE RD AND FIELD ST STA 3105+00 TO STA 3110+00

Sheet	C-8
File No.	

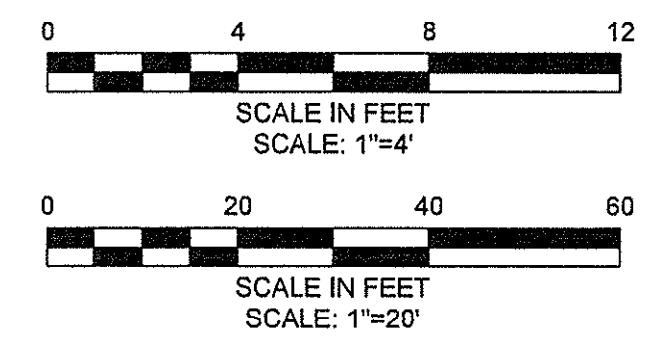


PLAN
SCALE: 1"=20'

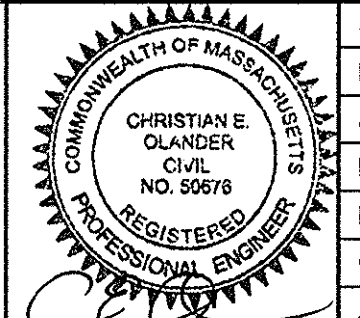
- NOTES:
- PRIOR TO ORDERING PROP. CB, CONTRACTOR AND ENGINEER TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS CG-5 AND CG-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6"-0" SUMP DEPTH.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.



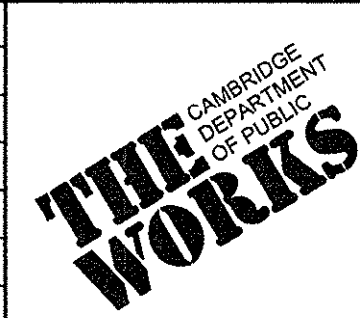
PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



CONFORMED SET



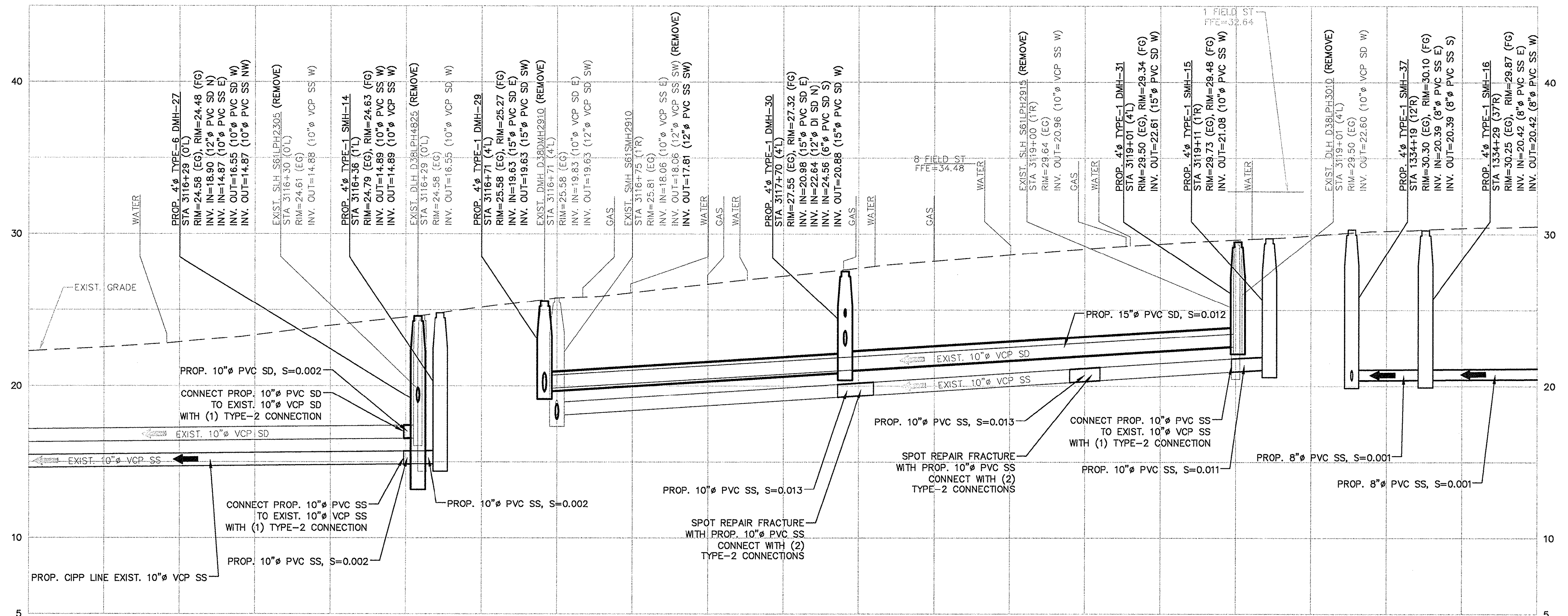
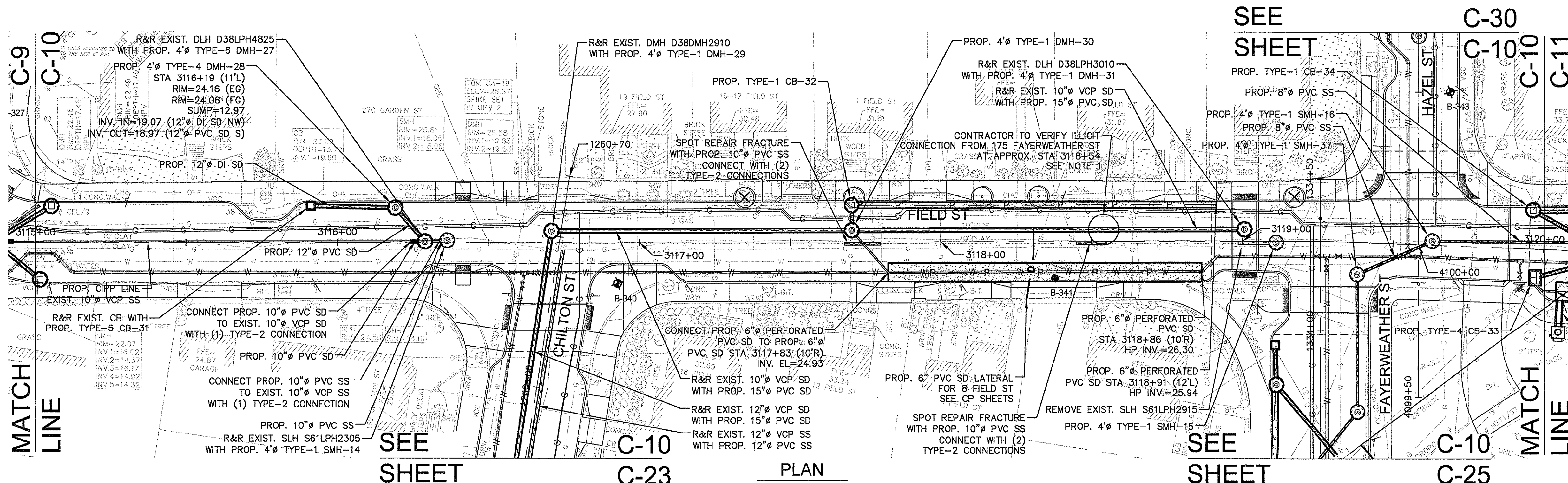
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE FIELD ST STA 3110+00 TO STA 3115+00

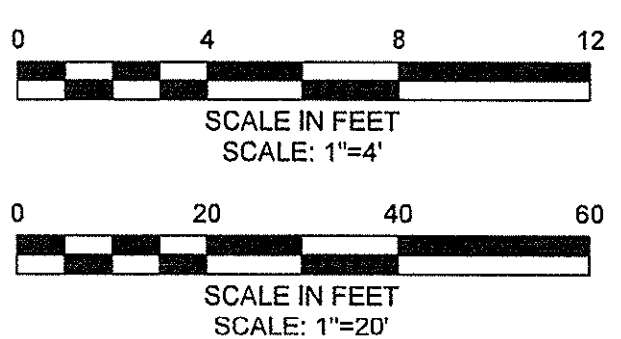
Sheet	C-9
File No.	

PLOTTED: 2/20/2014 4:08 PM BY: nick.bink
 LAYOUT: C-9 Field St

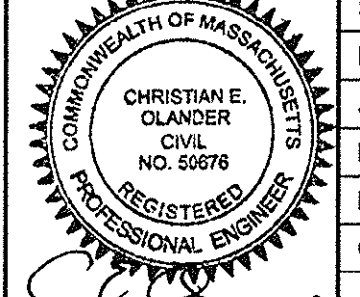


PROFILE
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=4'

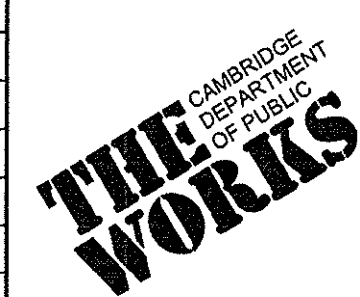
NOTE:
 1. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.



CONFORMED SET



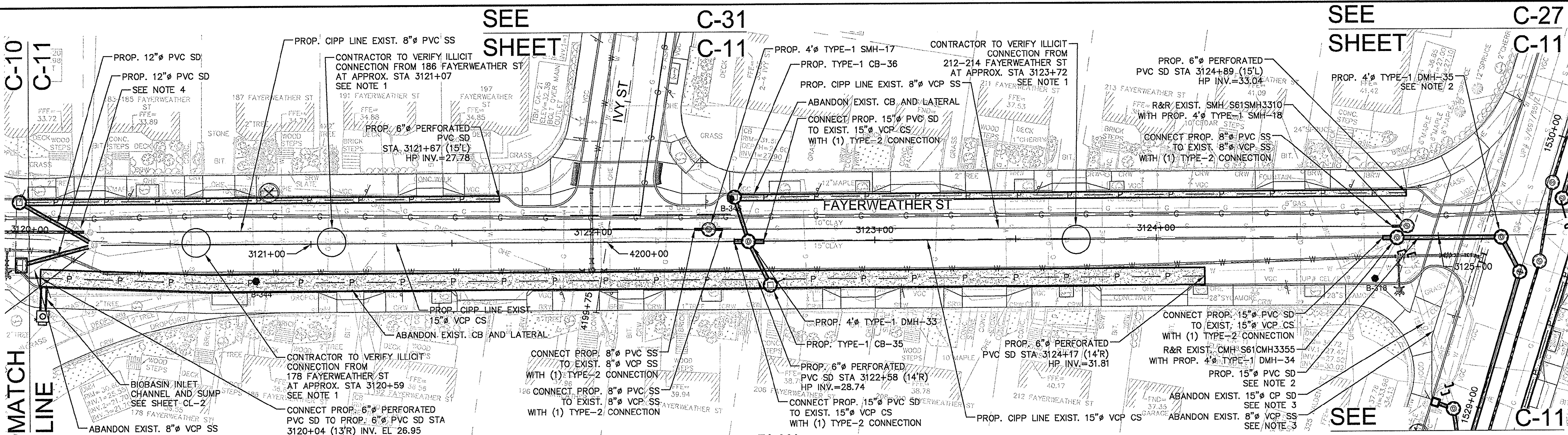
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



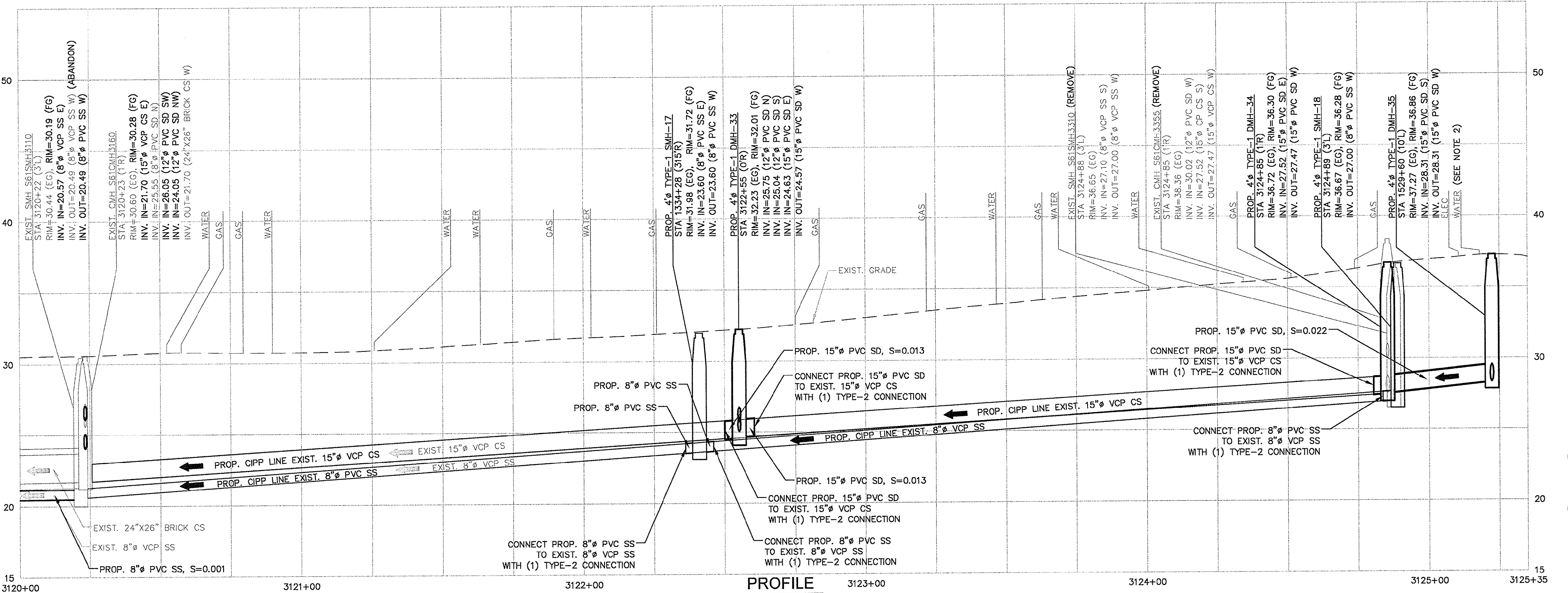
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE FIELD ST STA 3115+00 TO STA 3120+00

Sheet	C-10
File No.	

PLOTTED: 2/20/2014 4:05 PM BY: rick.bink
 LAYOUT: C-10 Field 01

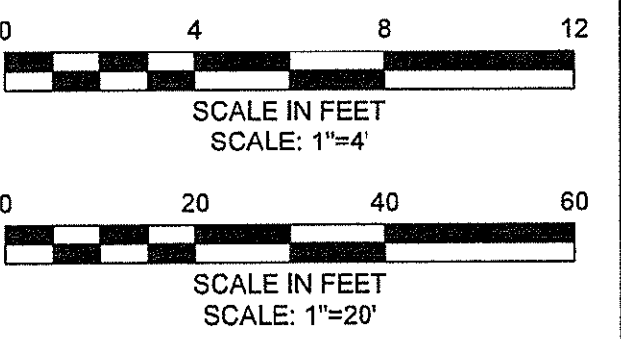


PLAN
SCALE: 1"=20'



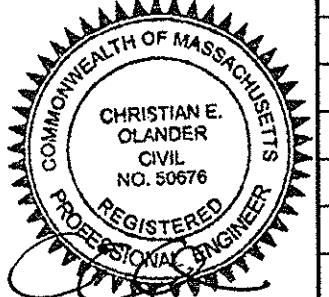
PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

- NOTES:
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. 20" WATER MAIN.
 - CONTRACTOR TO VERIFY AND LOCATE ACTIVE SERVICE LATERAL CONNECTIONS ON SS AND SD TO BE ABANDONED AND REDIRECT TO PROP. SS AND SD AS REQUIRED.
 - CONTRACTOR TO VERIFY SOURCE OF 8" PVC AND REDIRECT/RECONNECT AS DIRECTED BY THE ENGINEER.

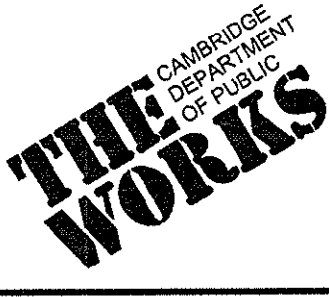


CONFORMED SET

PLOTTED: 2/20/2014 4:09 PM BY: nick.miso
 LAYOUT: C-11 Fayerweather St
 CAD FILE: C:\pwworking\12860\CONC9_C07\C13.dwg



Scale	AS NOTED	Date	JANUARY 27, 2014	Job No.	20120255.001A	Designed by	KWG	Drawn by	NFT	Checked by	AML	No.	Description	Date
Approved by	EO												REVISIONS	

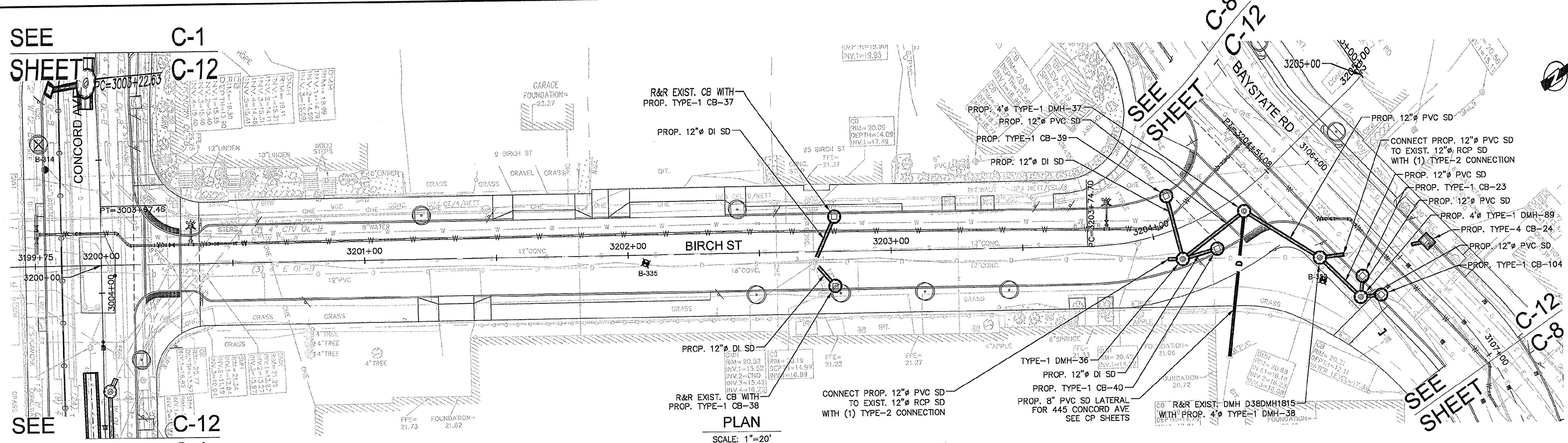


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE FAYERWEATHER ST STA 3120+00 TO STA 3125+35

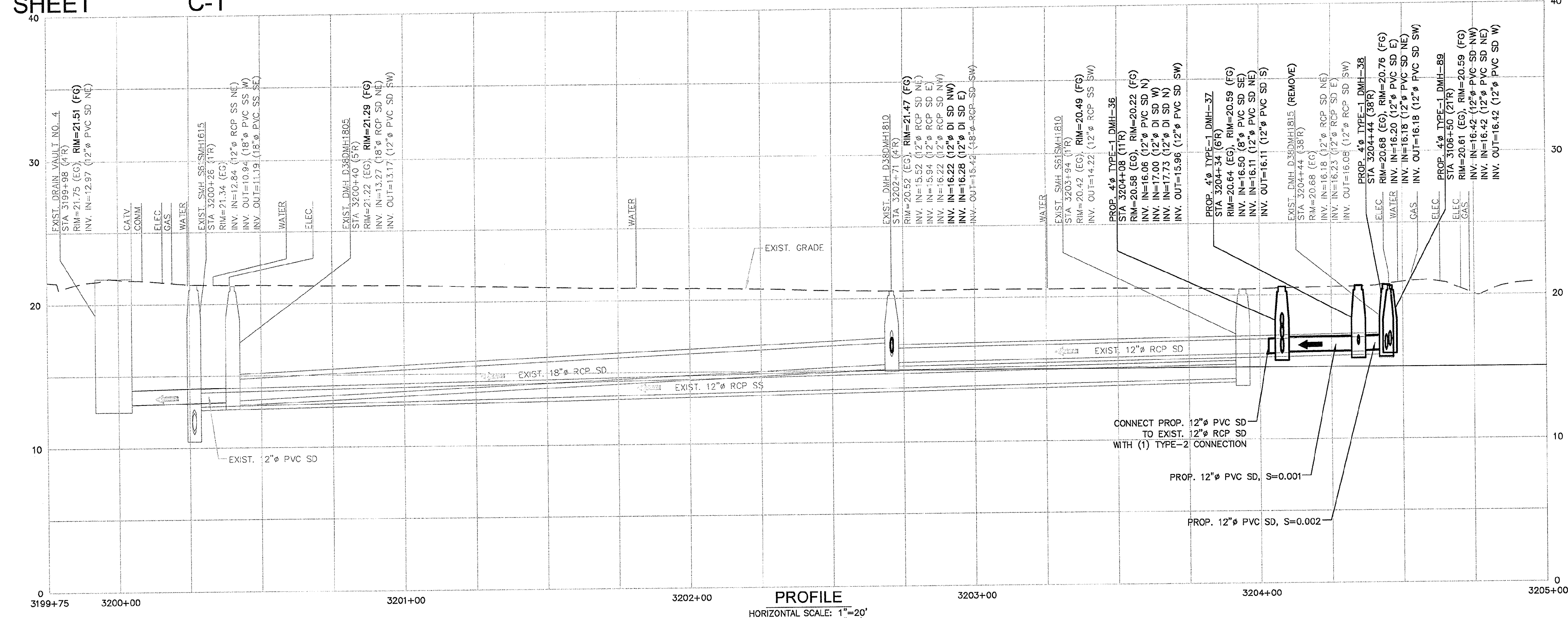
Sheet	C-11
File No.	

SEE SHEET C-1
C-12

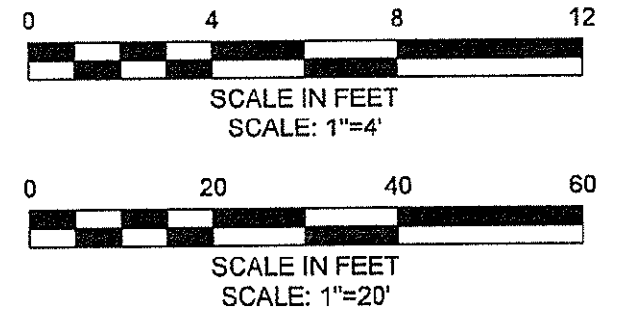
SEE SHEET C-12
C-1



PLAN
SCALE: 1"=20'

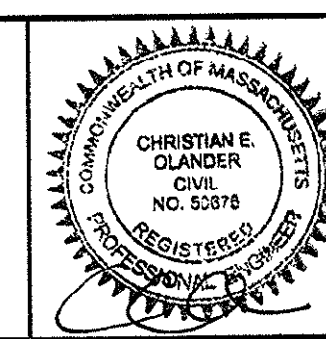


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

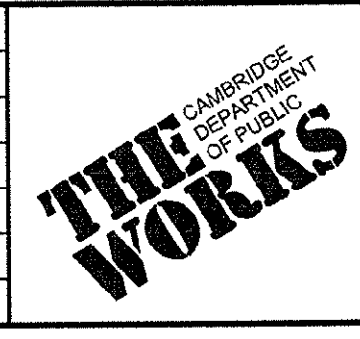


CONFORMED SET

PLOTTED: 2020014 4:10 PM BY: nick.m...
C:\p\work\2019\CONCORD_C12\C12.dwg LAYOUT: C12 Birch St



Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE BIRCH ST STA 3199+75 TO STA 3205+00

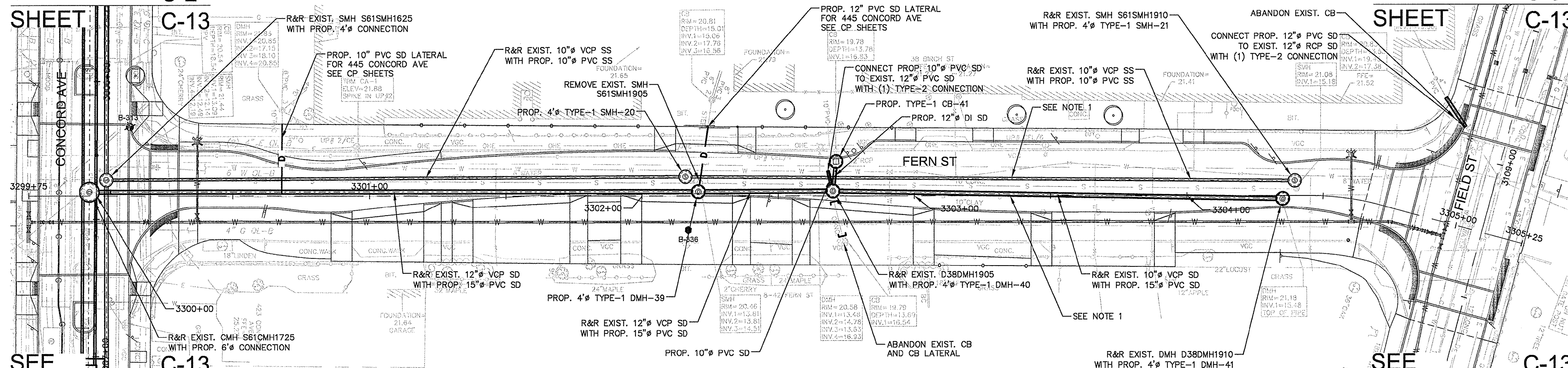
Sheet	C-12
File No.	

SEE SHEET

C-2
C-13

SEE SHEET

C-8
C-13



PLAN

SCALE: 1"=20'

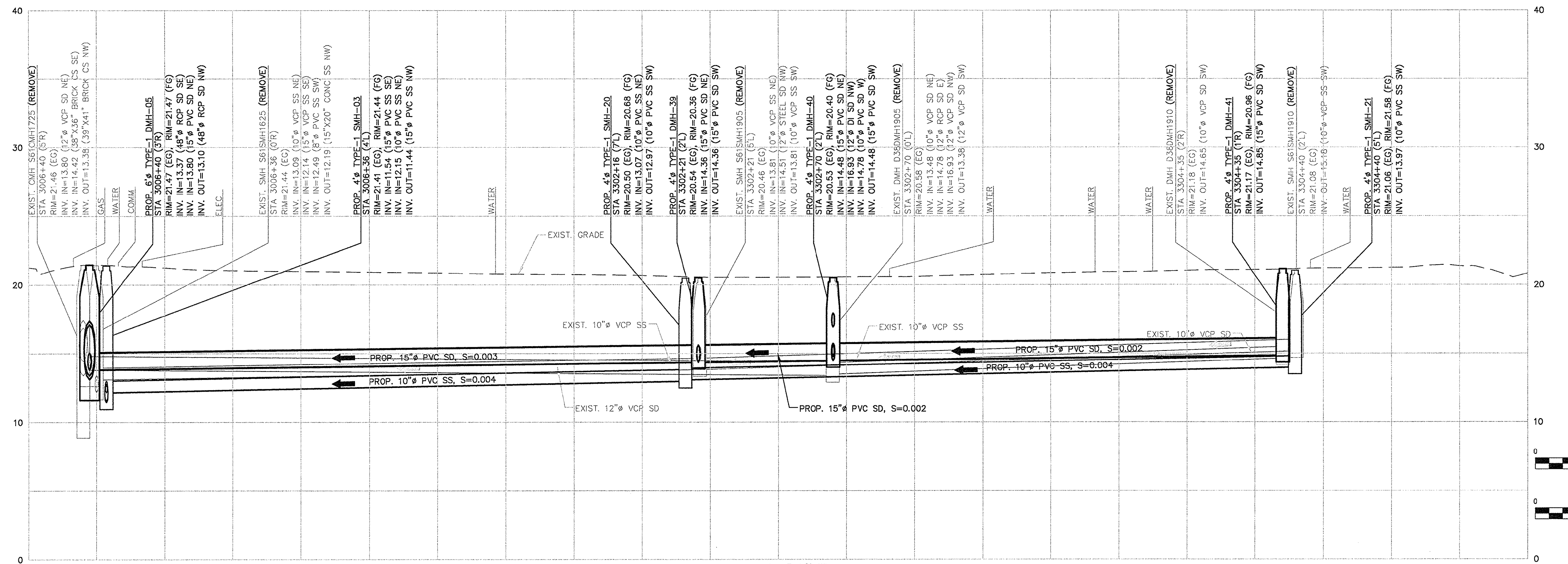
SEE SHEET

C-13
C-2

SEE SHEET

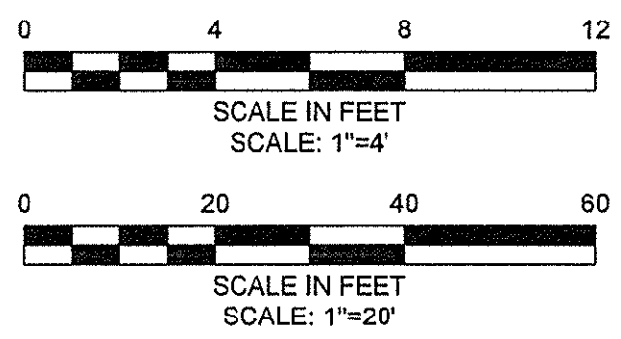
C-13
C-8

NOTE:
1. ALIGNMENT SUBJECT TO CHANGE.



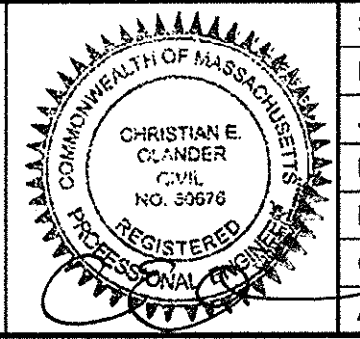
PROFILE

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



CONFORMED SET

PLOTTED: 2/20/14 4:11 PM BY: msk/bms
LAYOUT: C-13.Fem.SI
CAD FILE: C:\www\kfd\12899\CONC_09_C13.dwg



Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO
No.	
Description	
Date	
REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE FERN ST STA 3299+75 TO STA 3305+25

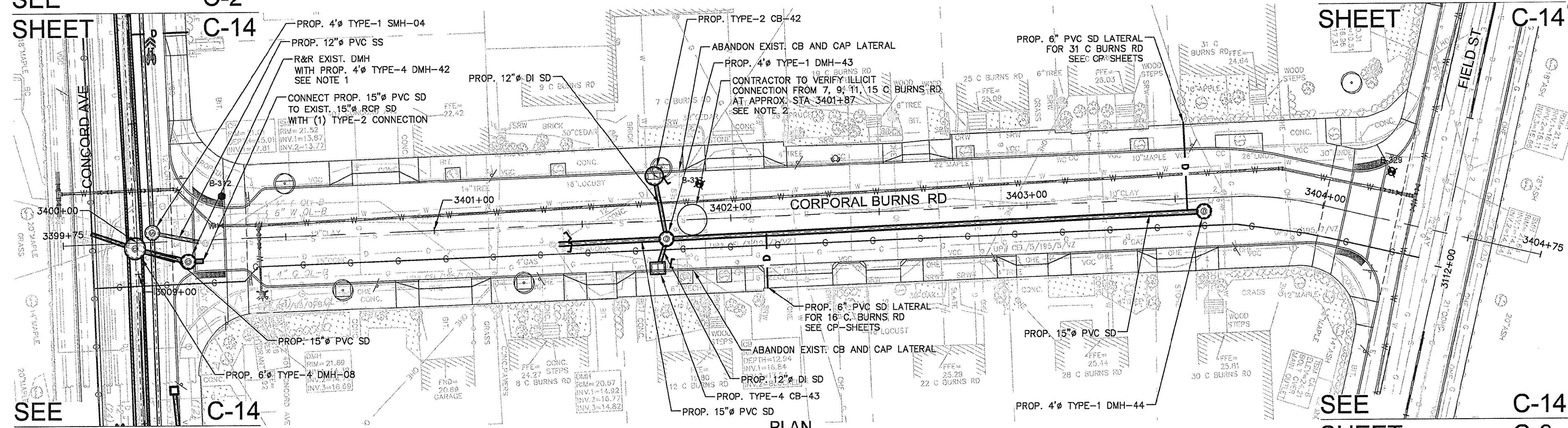
Sheet	C-13
File No.	

SEE SHEET C-2 C-14

SEE SHEET C-9 C-14

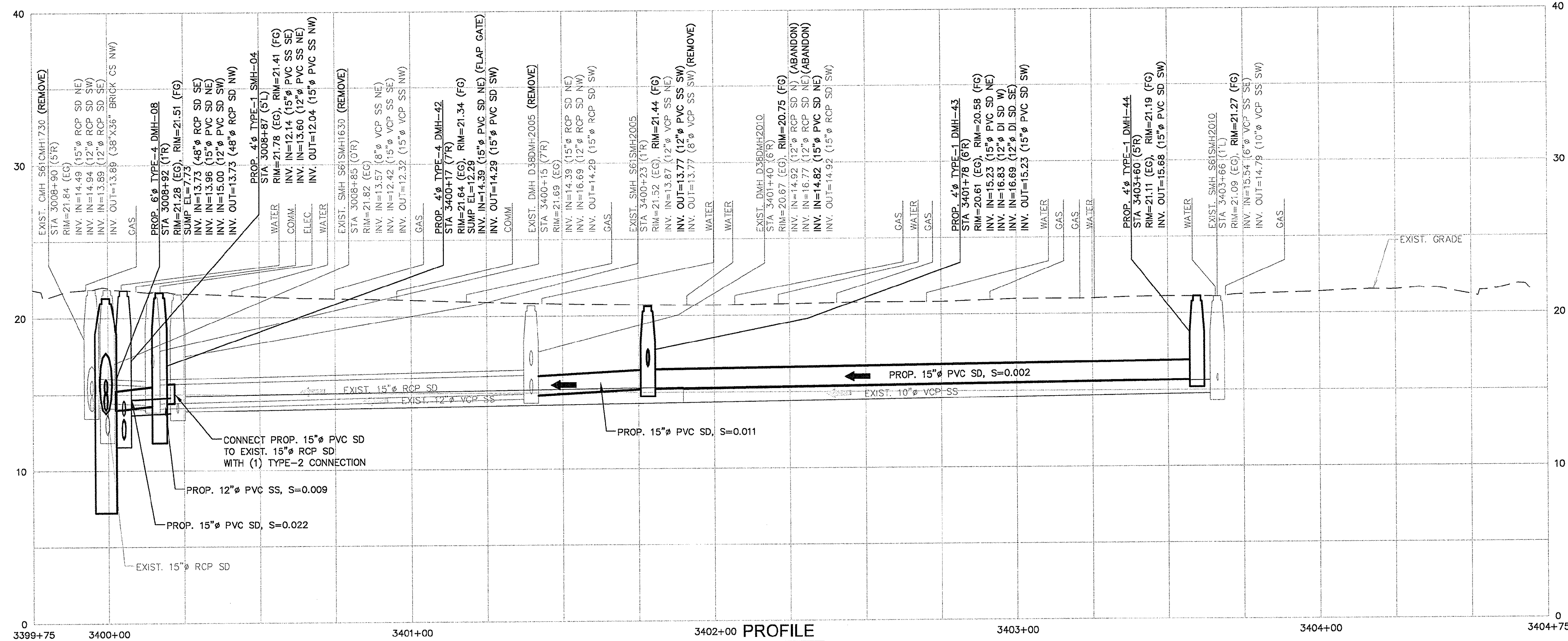
SEE SHEET C-2 C-14

SEE SHEET C-14 C-9

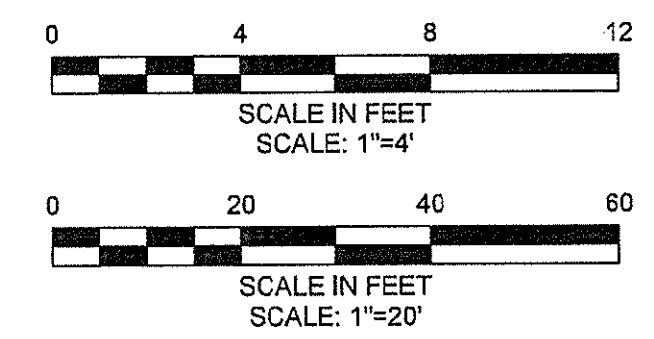


PLAN
SCALE: 1"=20'

- NOTES:
1. INSTALL FLAP GATE ON U/S PROP. 15" PVC SD INVERT INTO DMH.
 2. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.

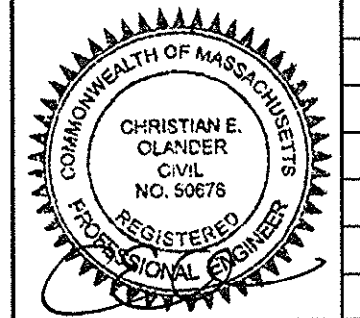


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



CONFORMED SET

PLOTTED: 2/20/2014 4:15 PM BY: mcl.imo
 LAYOUT: C-14 C Burns Rd
 CAD FILE: C:\pwworking\012880\CON9_C14-C20.dwg

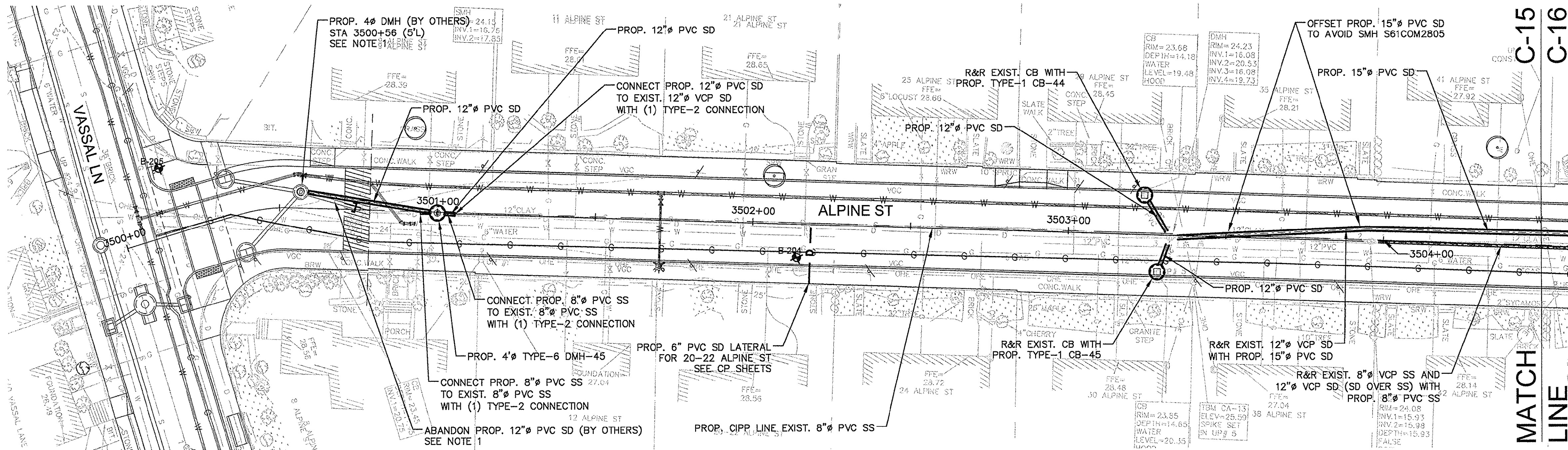


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



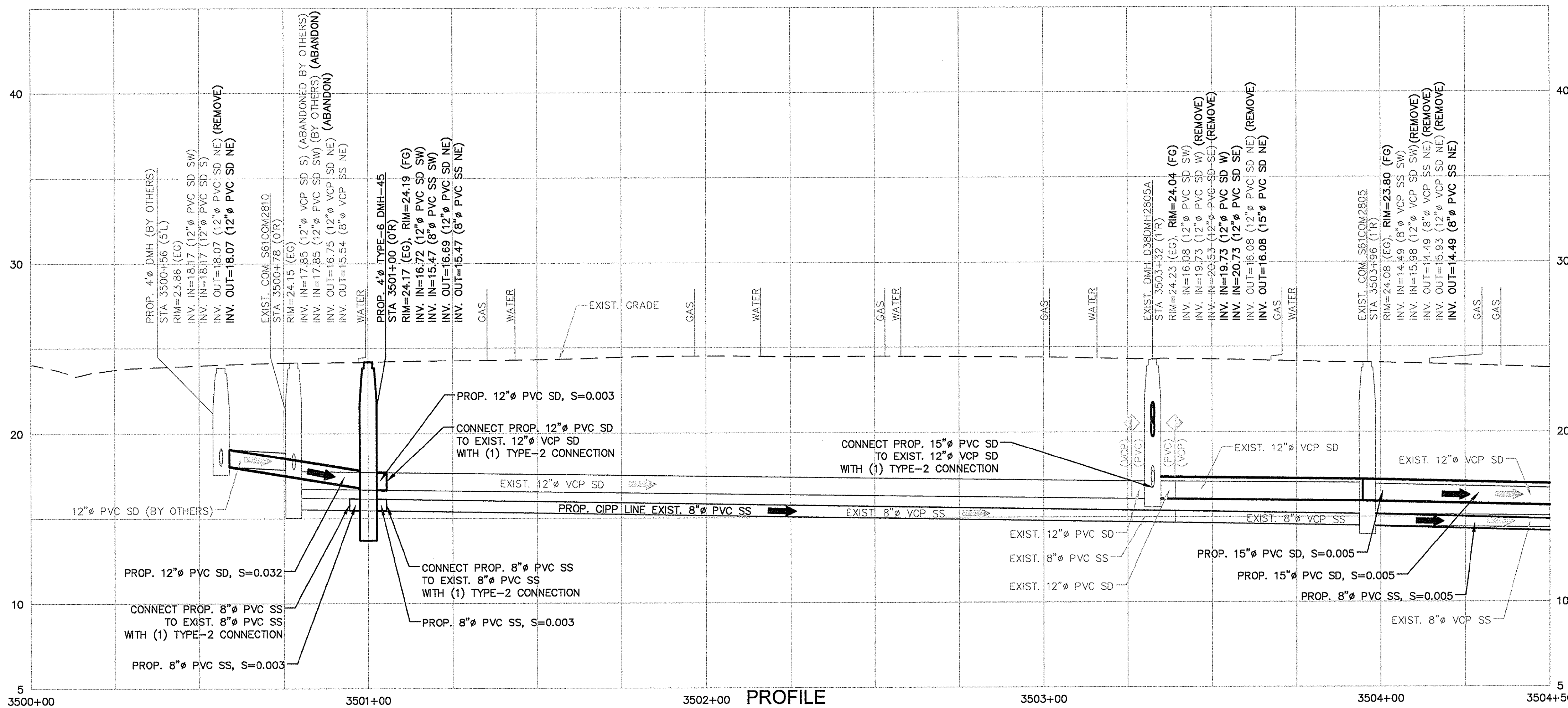
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE CORPORAL BURNS RD STA 3399+75 TO STA 3404+75

Sheet	C-14
File No.	

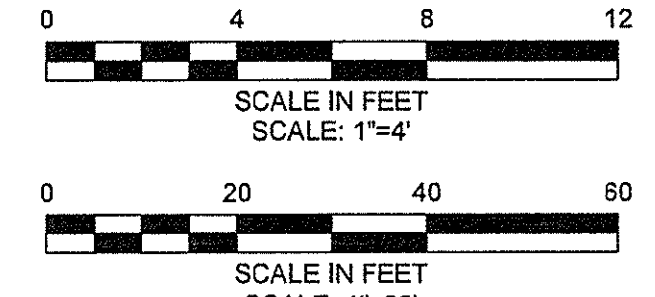


PLAN
SCALE: 1"=20'

NOTE:
1. CONTRACTOR TO COORDINATE ALL "BY OTHERS" WORK AND WORK BEYOND "LIMIT OF WORK" WITH HURON 8B CONTRACTOR AND ENGINEER. WORK IDENTIFIED AS "ABANDON" IS THIS CONTRACT. WORK IDENTIFIED AS "ABANDONED" IS BY OTHERS.

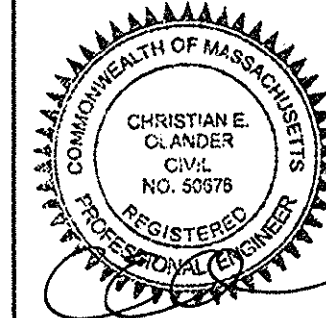


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



CONFORMED SET

PLOTTED: 2/20/2014 4:17 PM BY: nek:mhb
 LAYOUT: C-15 Alpine St
 CAD FILE: C:\pwworking\128963029\1\C-15_CAD.dwg

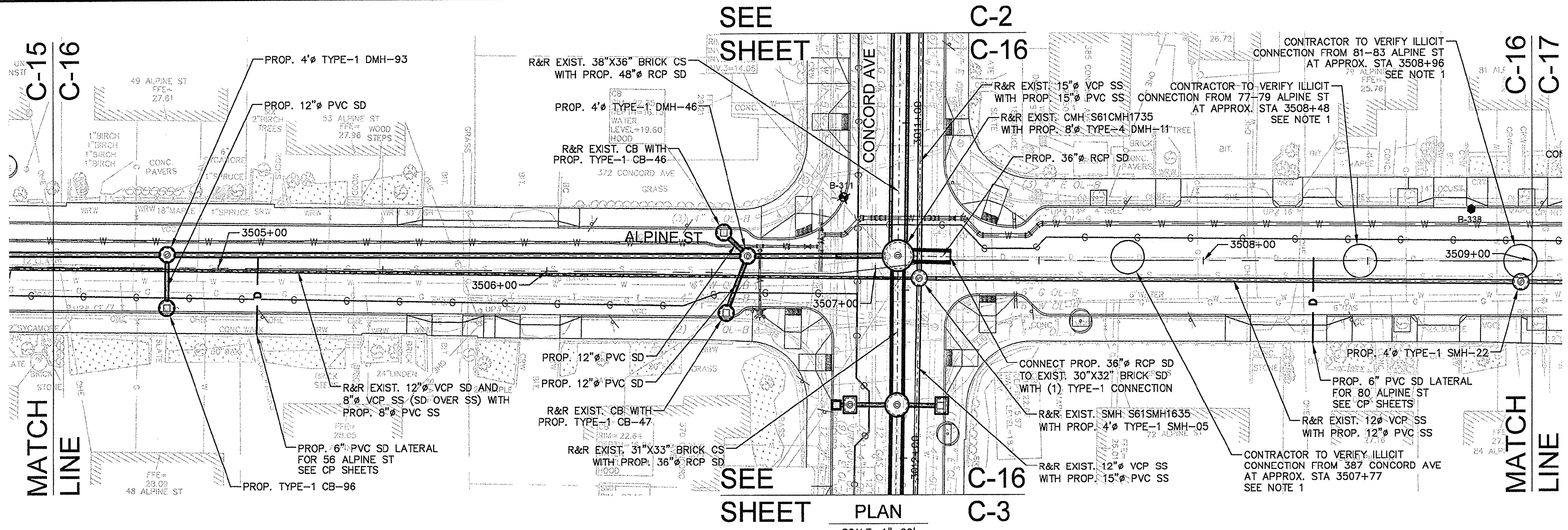


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



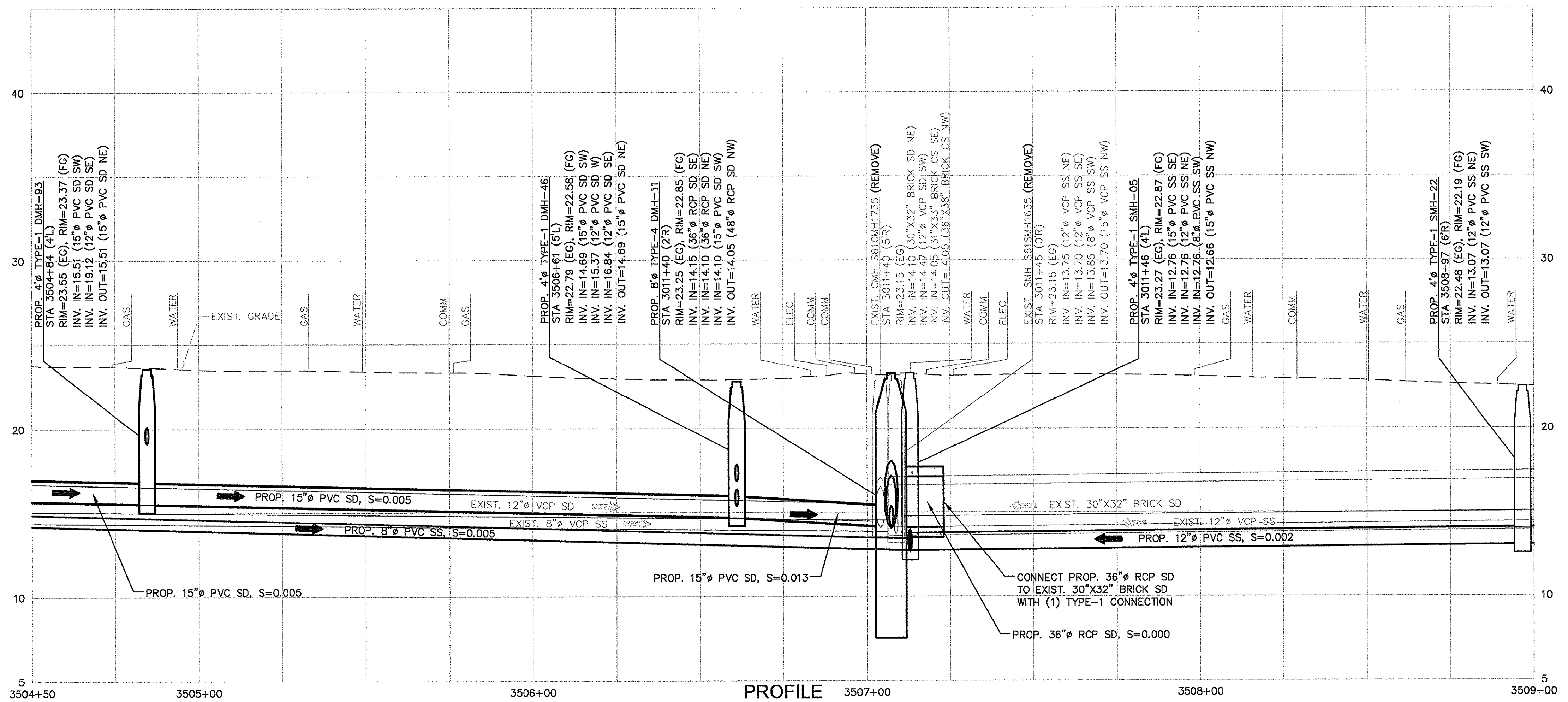
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE ALPINE ST STA 3500+00 TO STA 3504+50

Sheet	C-15
File No.	

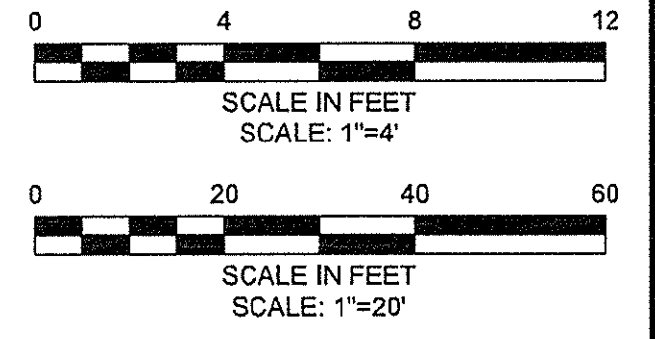


SEE SHEET C-2
SEE SHEET C-16
SEE SHEET C-16
SEE SHEET C-3

NOTE:
1. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.

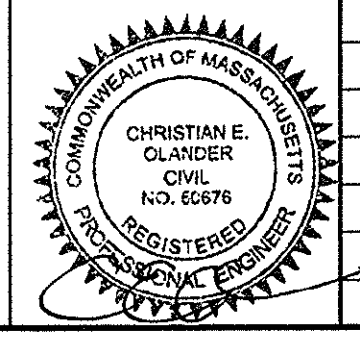


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



CONFORMED SET

PLOTTED: 2/20/2014 4:19 PM BY: nick.mino
LAYOUT: C-16 Alpine St
CAD FILE: C:\work\mhd\012866\CONR_C16-C30.dwg

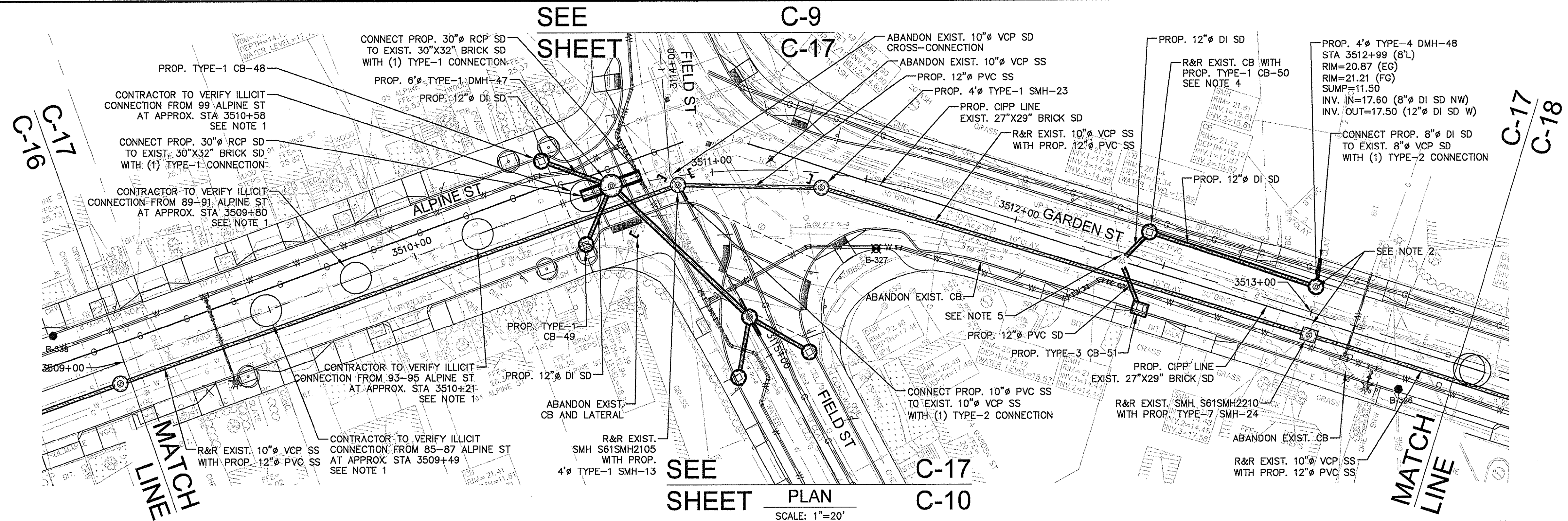


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO

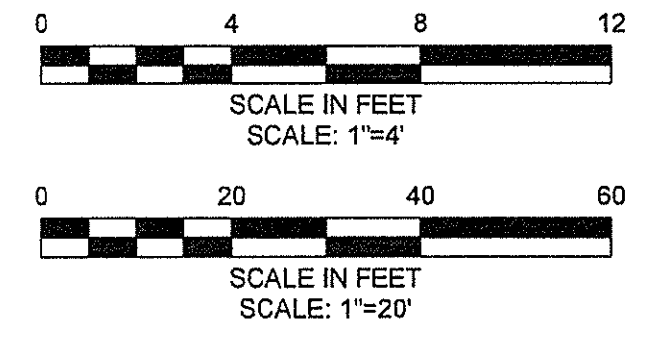
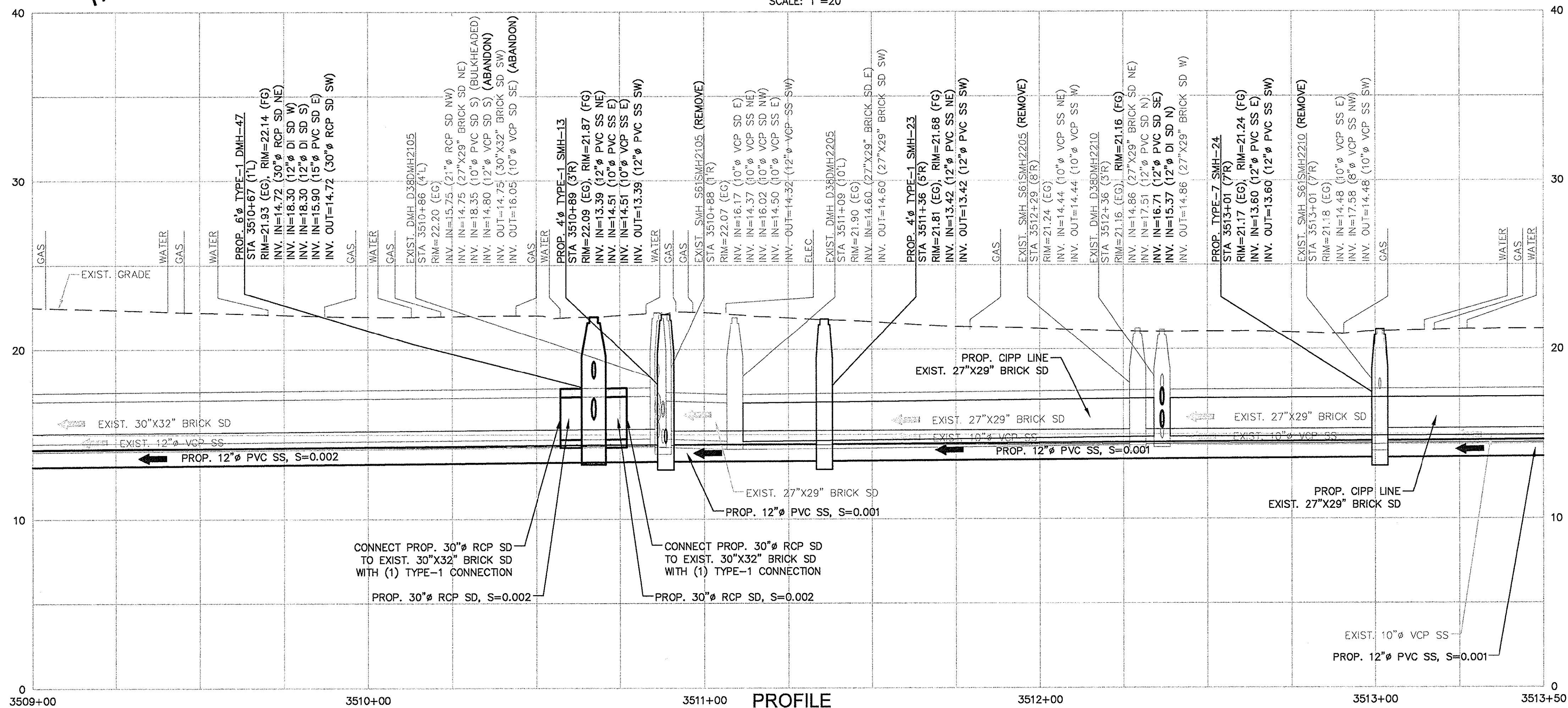


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE ALPINE ST STA 3504+50 TO STA 3509+00

Sheet	C-16
File No.	

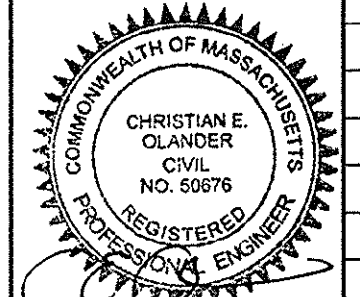


- NOTES:
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - PRIOR TO ORDERING CB-50, DMH-48 AND SMH-24 CONTRACTOR TO VERIFY SOURCE OF EXIST. 8" VCP AT APPROX. STA 3513+01 (7'R) INTO EXIST. SMH S61SMH2210. SUSPECT SOURCE IS DRAIN FROM PRIVATE CATCH BASIN AT #237-255 GARDEN STREET. IF 8" VCP IS DRAIN, CONNECT AS SHOWN. IF 8" VCP IS SANITARY, CONNECT TO PROP. SMH-24.
 - REFER TO UTILITY SHEETS FOR INSTALLATION COORDINATION OF SEWER, DRAIN AND WATER ON THIS SHEET.
 - PRIOR TO ORDERING PROP. CB, CONTRACTOR AND ENGINEER TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS CG-5 AND CG-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6'-0" SUMP DEPTH.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.



CONFORMED SET

PLOTTED: 2/20/2014 4:21 PM BY: net.fino
 LAYOUT: C-17 Alpine & Garden St
 CAD FILE: C:\pwworking\128856\CONR_C-17-C20.dwg

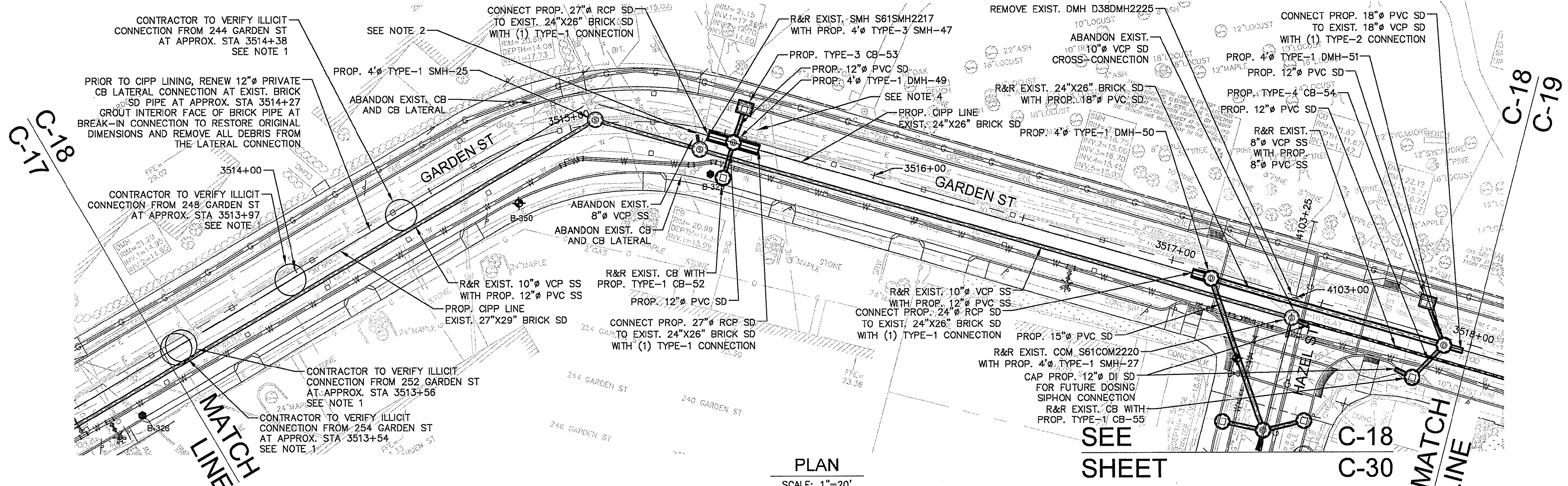


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	KWG		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	
Drawing	CIVIL - PLAN AND PROFILE ALPINE AND GARDEN ST STA 3509+00 TO STA 3513+00	

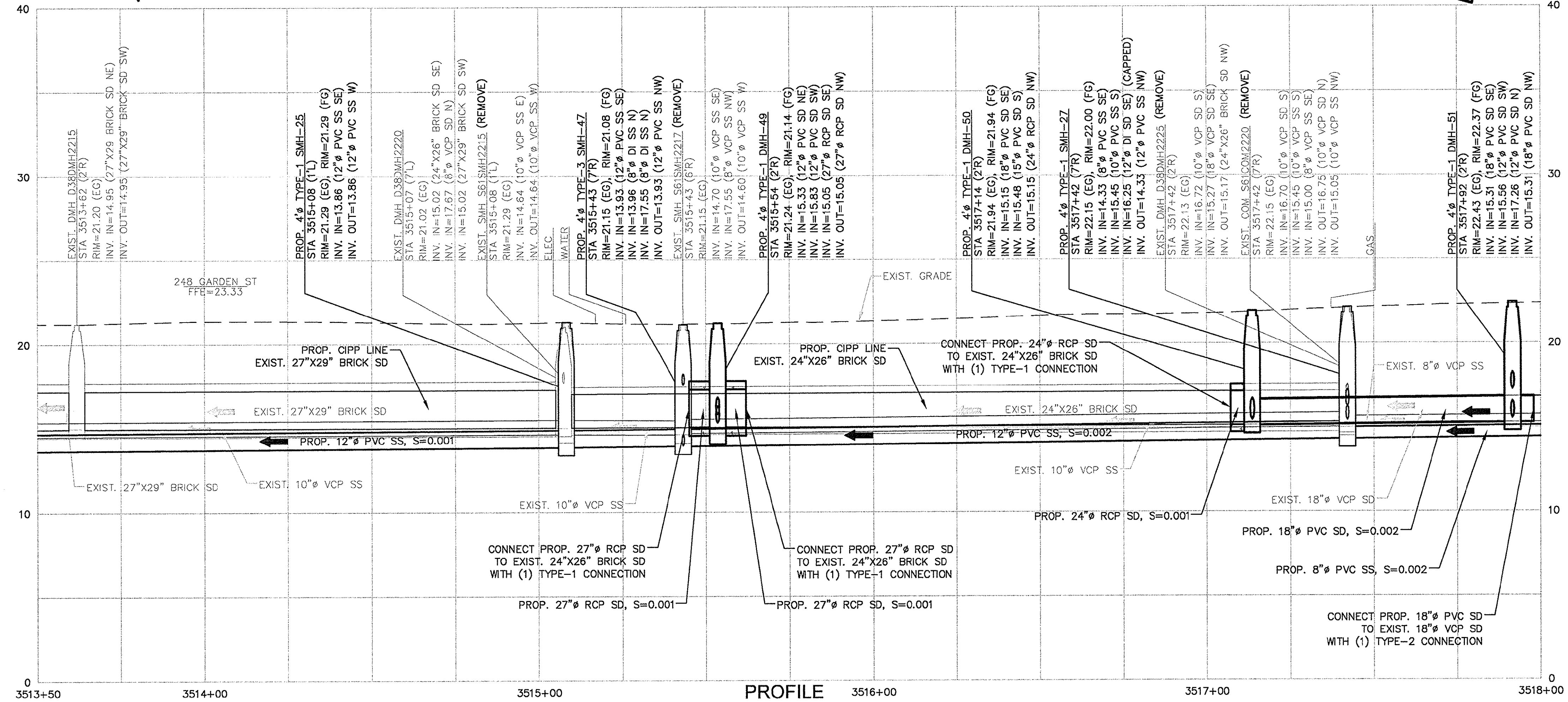
Sheet	C-17
File No.	



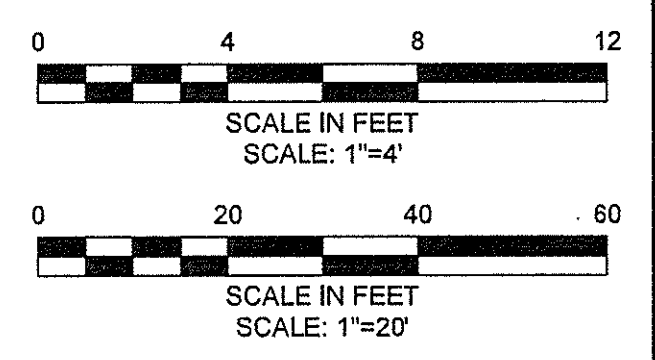
PLAN
SCALE: 1"=20'

SEE SHEET C-18 C-30 MATCH LINE

- NOTES:
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - R&R EXIST. 4" PVC SS FM DROP CONNECTION FROM PUMP STATION AT #237-255 GARDEN ST. WITH PROP. 4"x8" SLEEVE COUPLING AND 8" DI DROP CONNECTION TO PROP. SMH-47.
 - REFER TO UTILITY SHEETS FOR INSTALLATION COORDINATION OF SEWER, DRAIN AND WATER ON THIS SHEET.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.

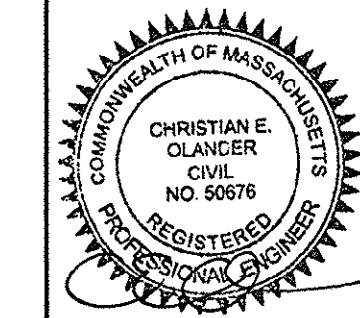


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



CONFORMED SET

PLOTTED: 2/20/2014 4:23 PM BY: msk.mbo
 LAYOUT: C-18 Garden St
 CAD FILE: C:\pwworking\12809500\9_C-18-C20.dwg

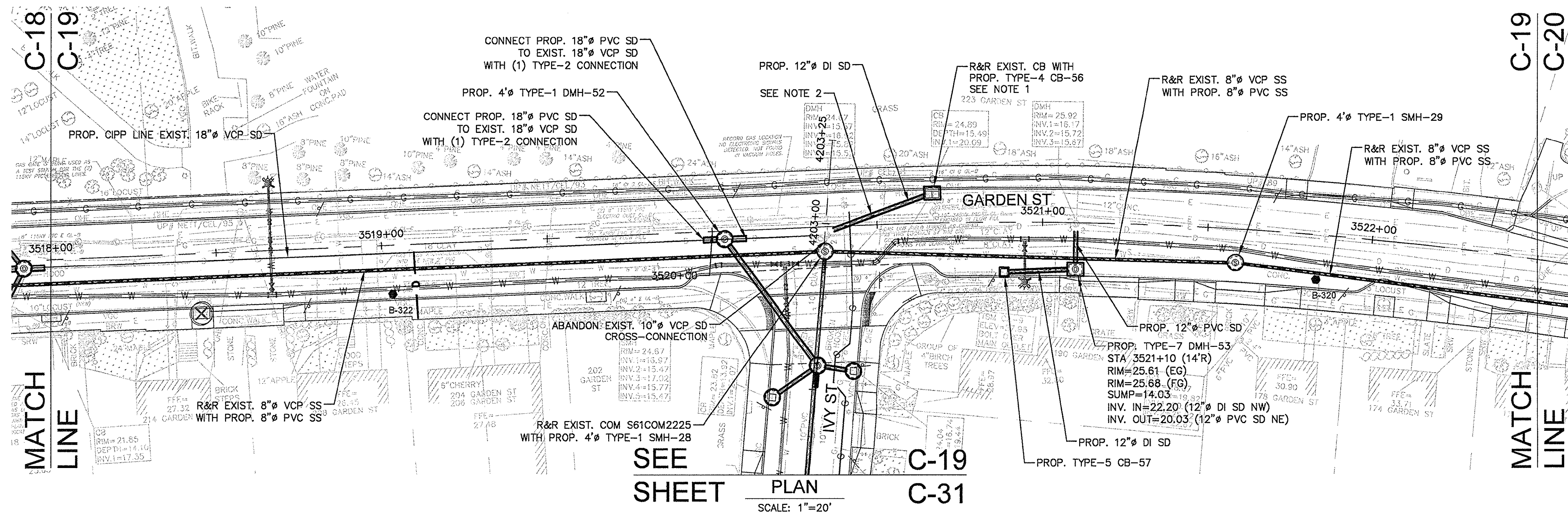


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



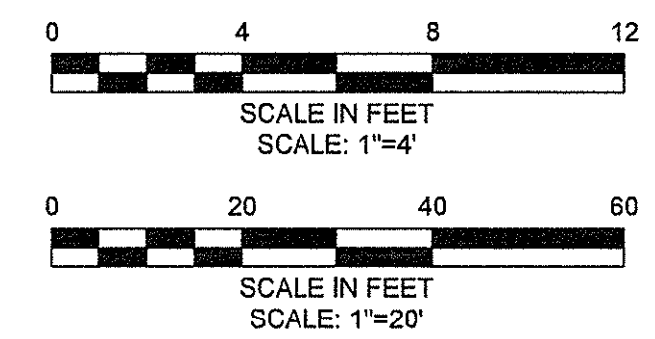
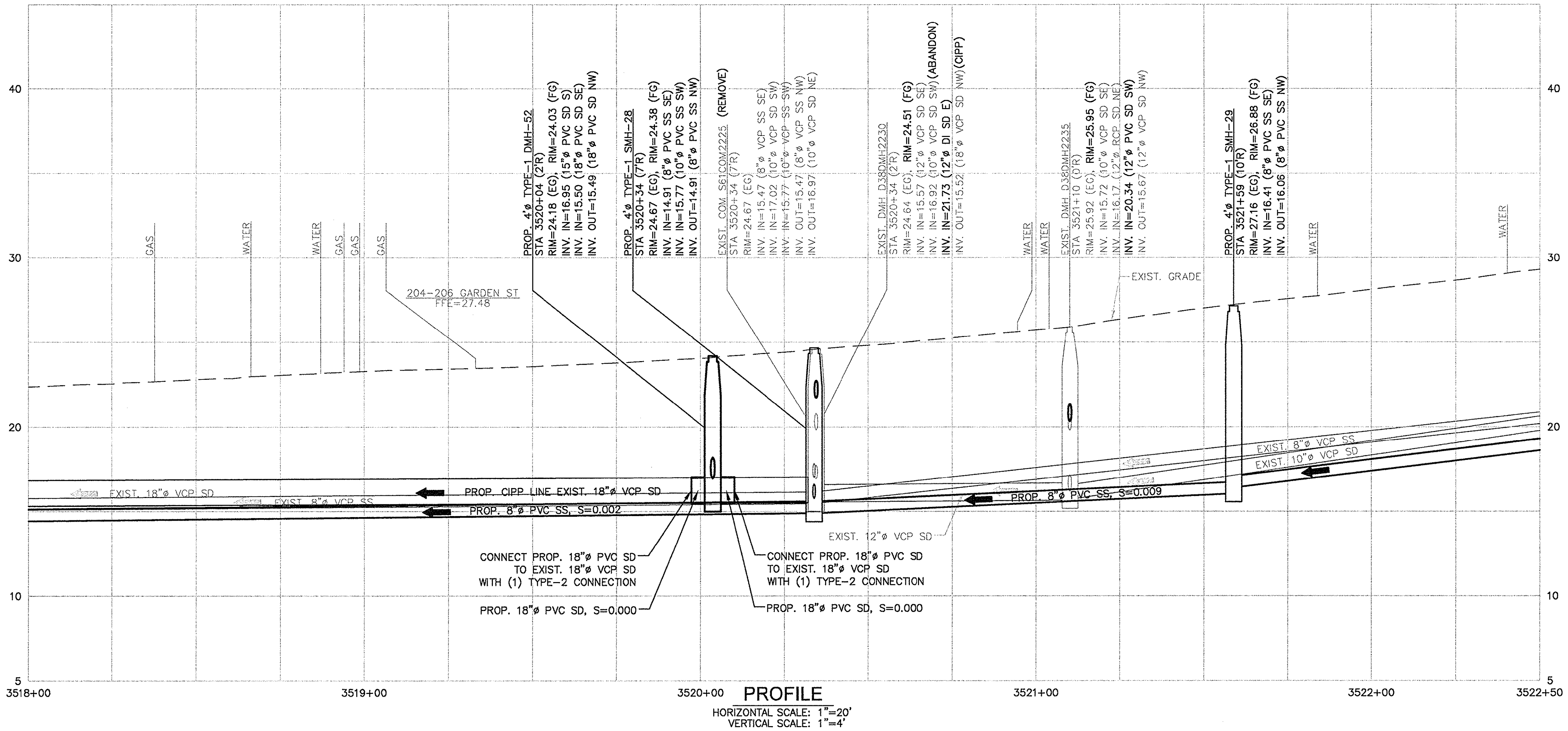
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE GARDEN ST STA 3513+50 TO STA 3518+00

Sheet	C-18
File No.	



- NOTES:**
- PRIOR TO ORDERING PROP. CB, CONTRACTOR AND ENGINEER TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS CG-5 AND CG-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6'-0" SUMP DEPTH.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.

SEE SHEET PLAN C-31
SCALE: 1"=20'

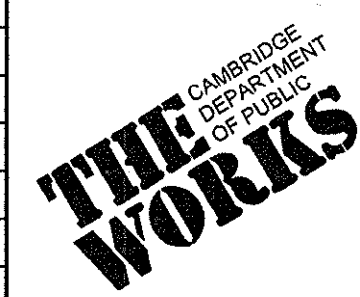


CONFORMED SET

PLOT FILE: C:\pwworking\128899\CON9_C14-C20.dwg LAYOUT: C-19 Garden St. 2/20/2014 4:25 PM BY: msk/bms

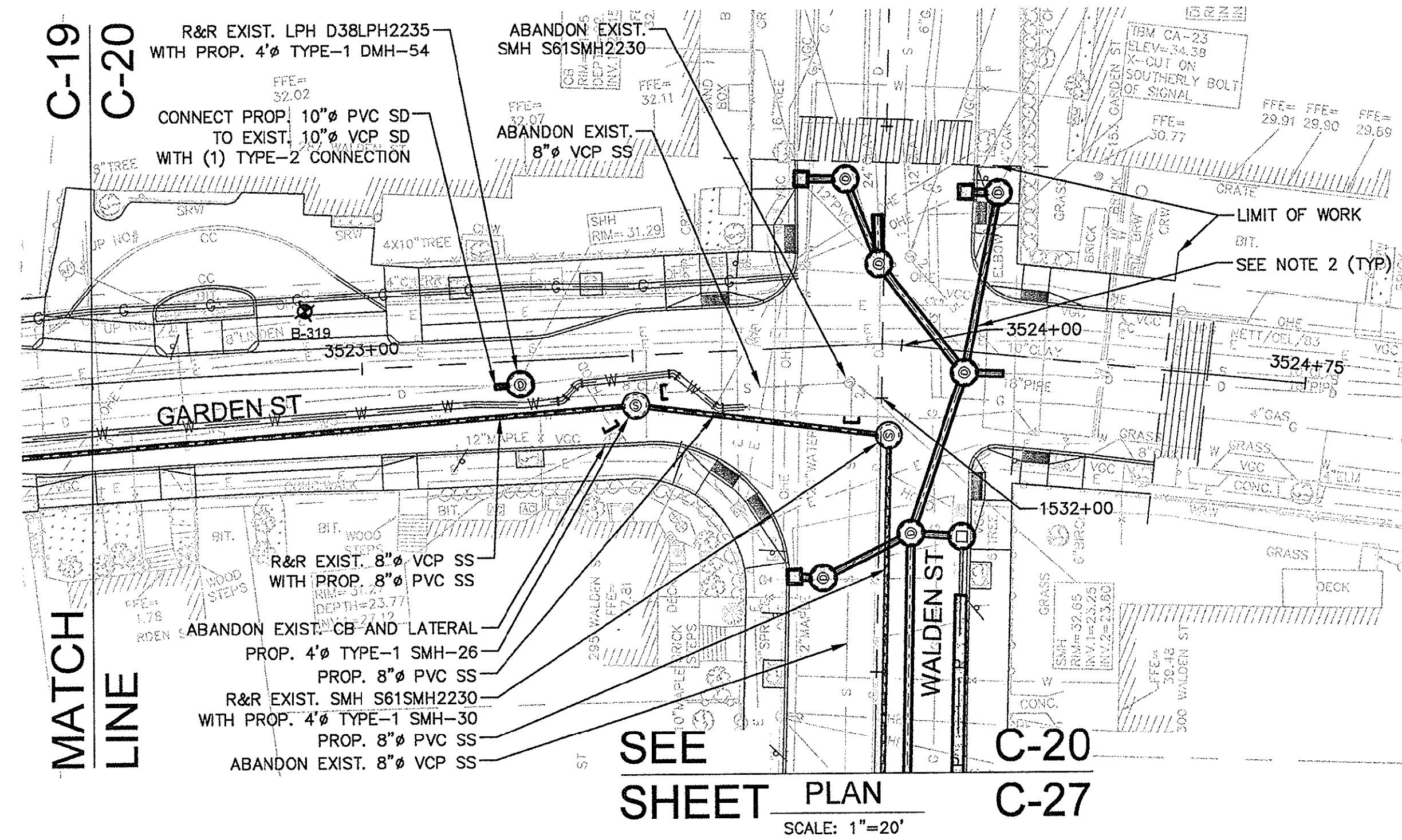
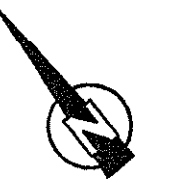


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	KWG		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date

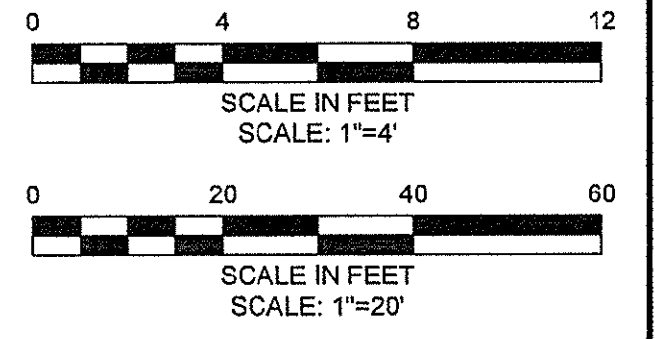
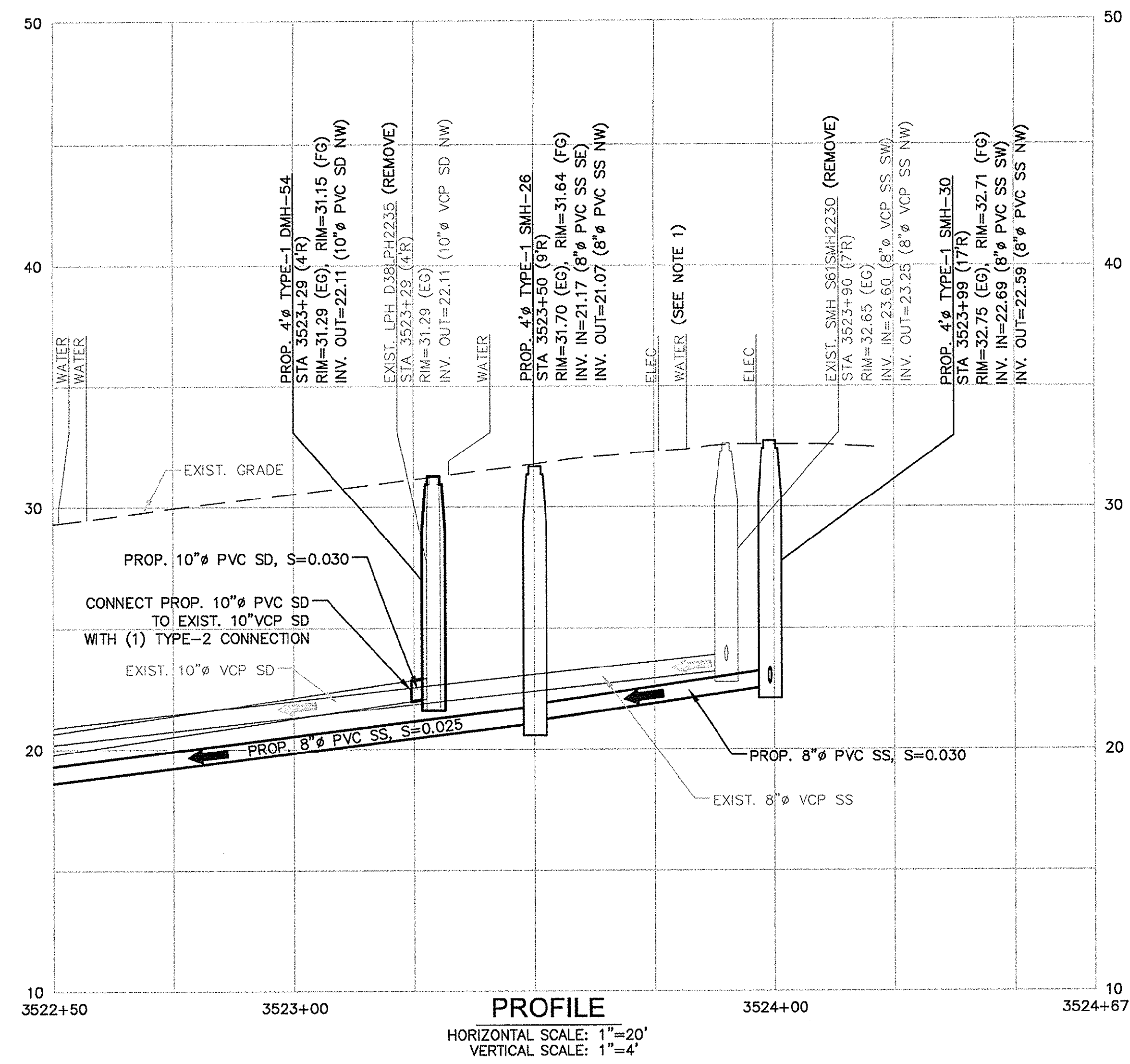


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE GARDEN ST STA 3518+00 TO STA 3522+50

Sheet	C-19
File No.	

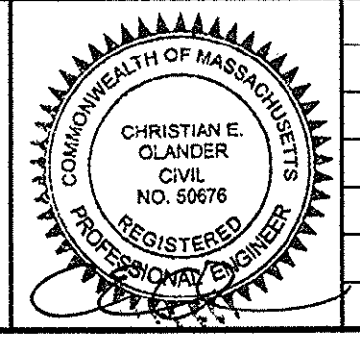


- NOTES:**
1. REFER TO SPECIFICATION SECTION 02160 FOR EXCAVATION ADJACENT TO EXIST. 20" WATER MAIN.
 2. REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.



CONFORMED SET

PLOTTED: 2/20/2014 4:27 PM BY: msk.tmo
 LAYOUT: C-20 Garden St
 CAD FILE: C:\pwworking\12806\CO99_C14-C20.dwg

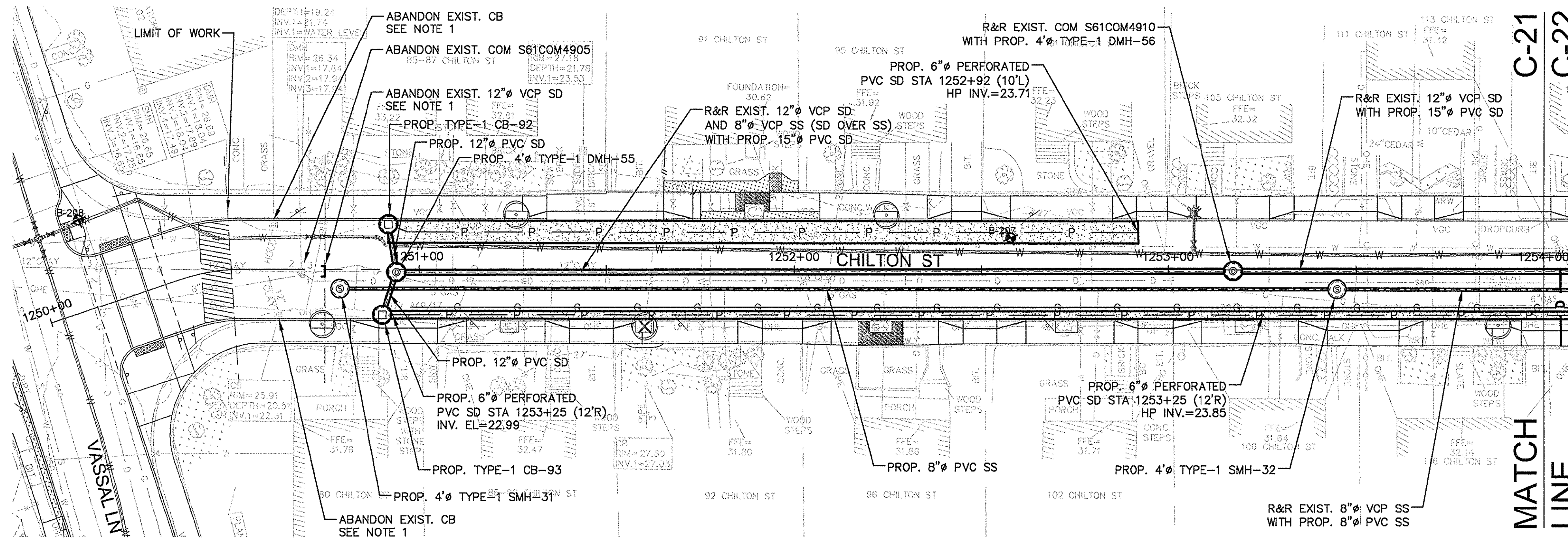


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	KWG		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		REVISIONS



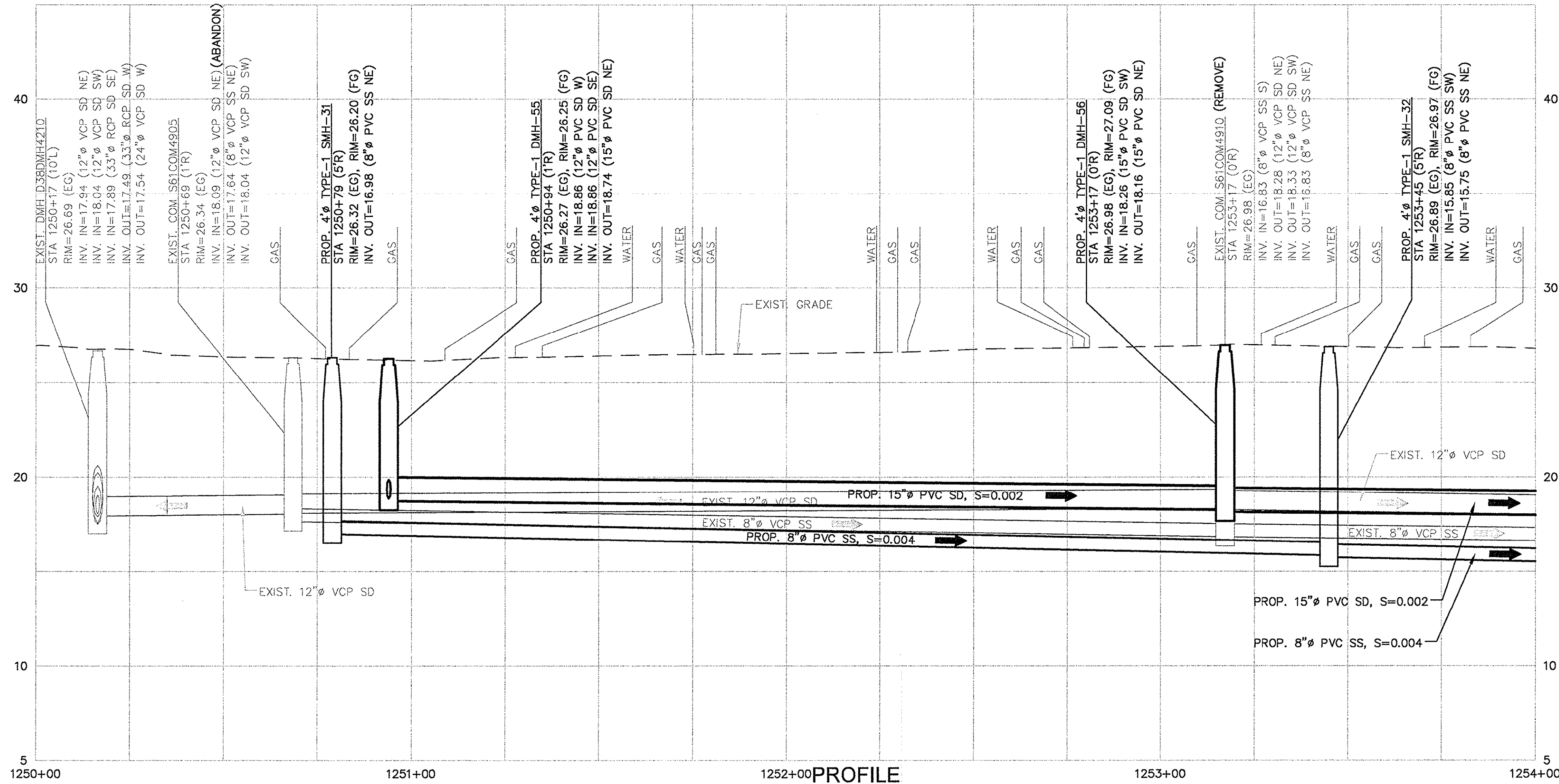
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE GARDEN ST STA 3522+50 TO STA 3524+67

Sheet	C-20
File No.	

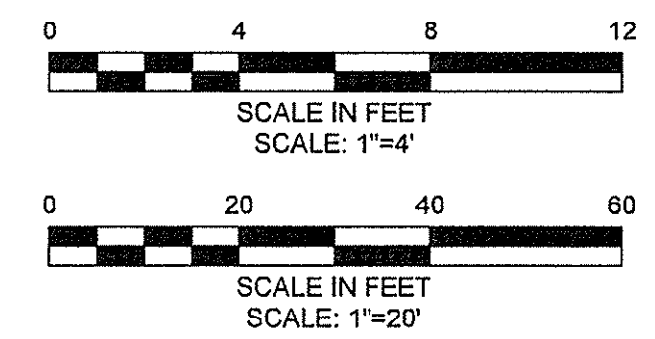


PLAN
SCALE: 1"=20'

NOTE:
1. CONTRACTOR TO COORDINATE ALL "BY OTHERS" WORK AND WORK BEYOND "LIMIT OF WORK" WITH HURON 8B CONTRACTOR AND ENGINEER. WORK IDENTIFIED AS "ABANDON" IS THIS CONTRACT. WORK IDENTIFIED AS "ABANDONED" IS BY OTHERS.

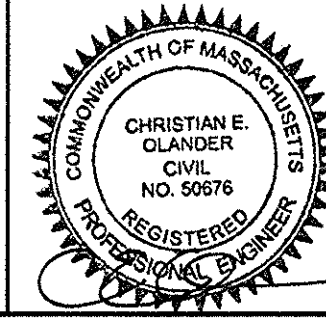


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

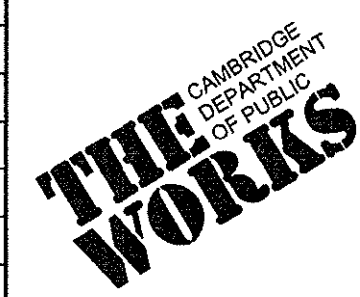


CONFORMED SET

PLOTTED: 2/20/2014 4:39 PM BY: mck:mms
LAYOUT: C-21 Chilton St

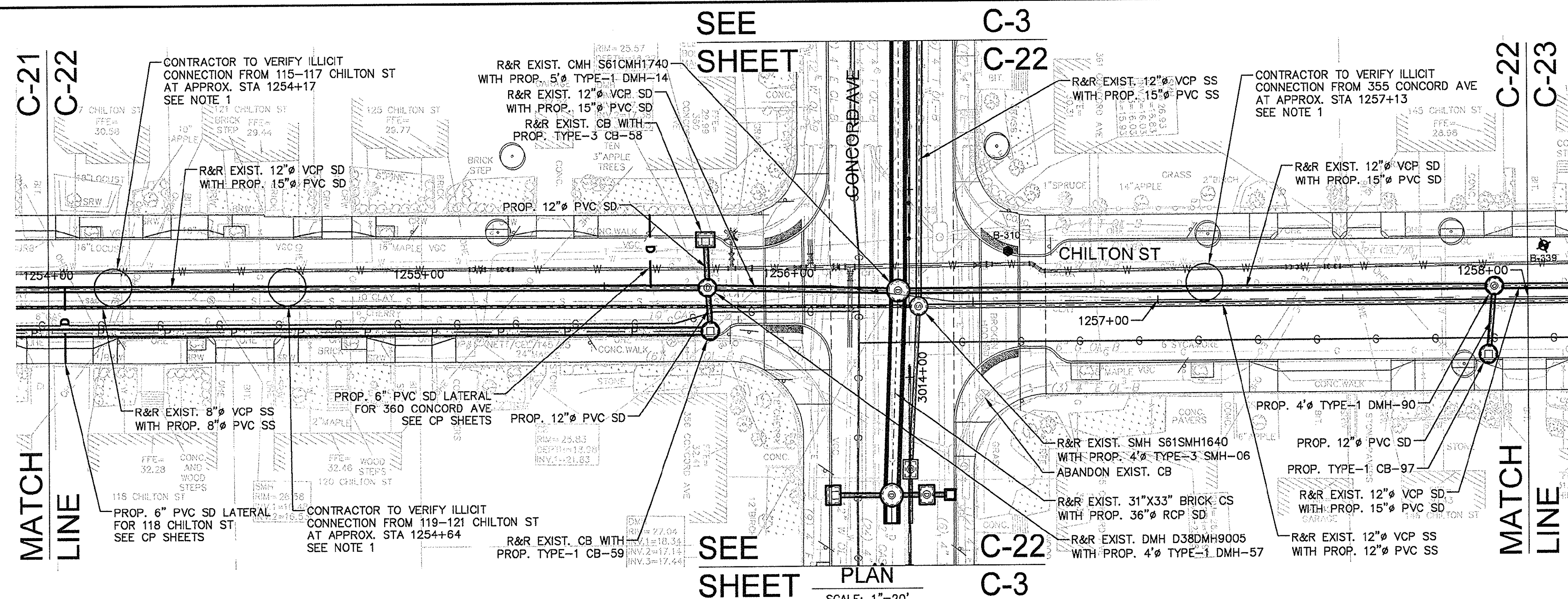


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO

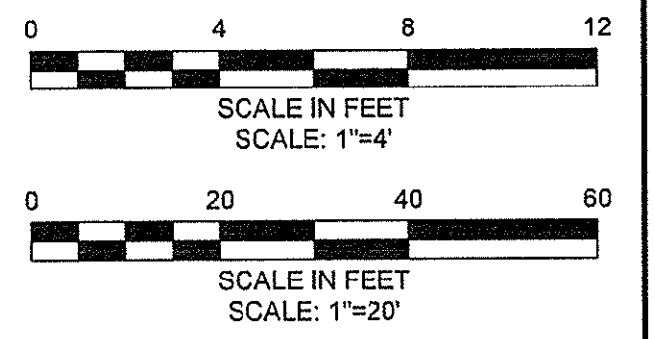
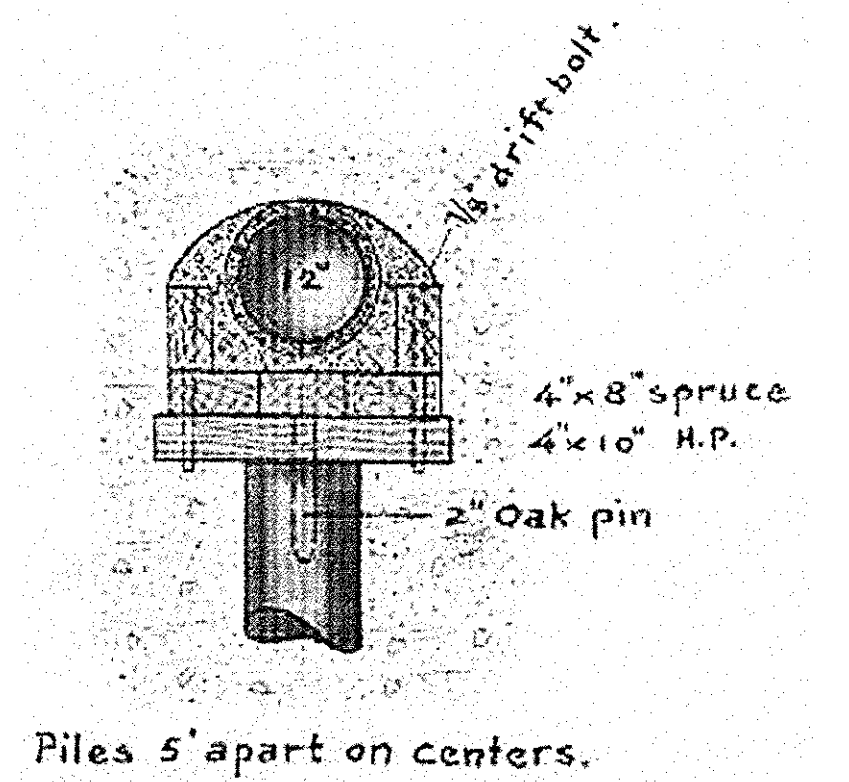
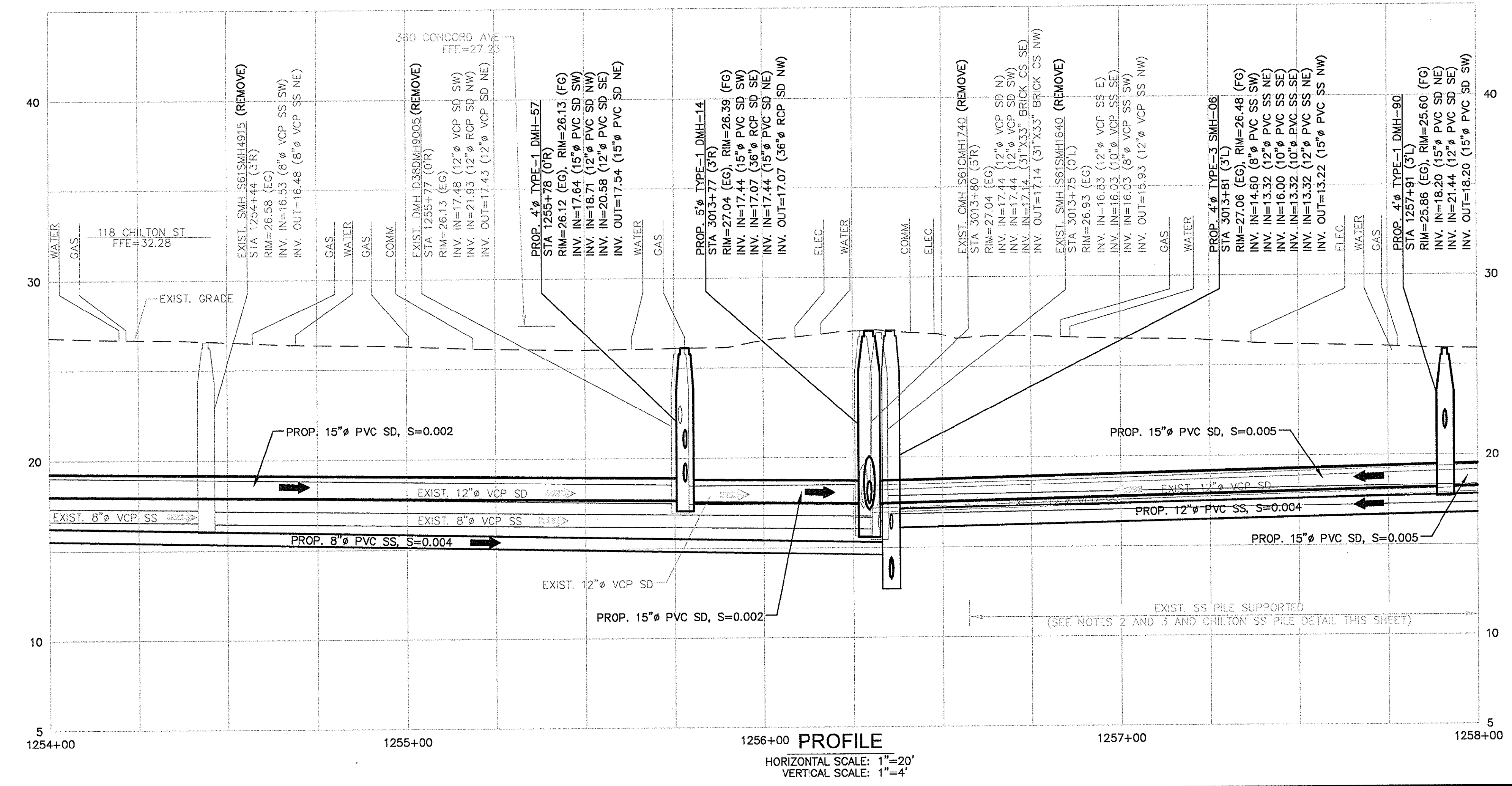


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE CHILTON ST STA 1250+00 TO STA 1254+00

Sheet	C-21
File No.	

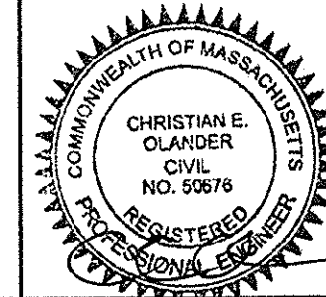


- NOTES:**
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - SEE BELOW FOR CROSS SECTION OF EXIST. SS/SD WITH TIMBER PILES. TEST PIT TO VERIFY EXIST. CONDITIONS.
 - REMOVE EXIST. 12" VCP SS AND WOOD PILE CAP WITH CONCRETE. REUSE EXIST. TIMBER PILES IF IN SUITABLE CONDITION AS DIRECTED BY THE ENGINEER. INSTALL PROP. CONCRETE PILE CAP ON EXIST. TIMBER PILES PER DETAIL 31, SHEET CC-9.



CONFORMED SET

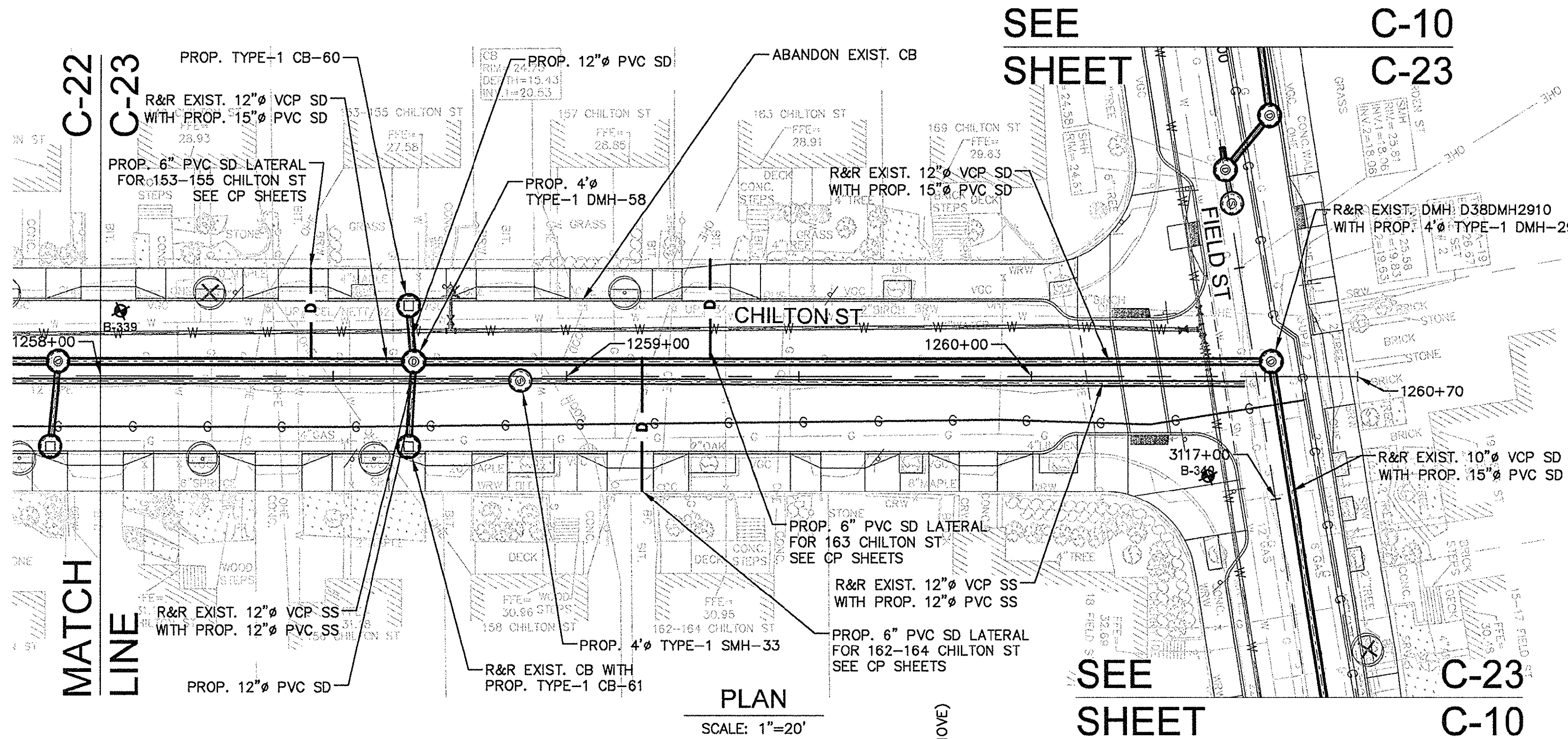
PLOTTED: 2/20/2014 4:32 PM BY: rls/rls
 CAD FILE: C:\projects\1012806\CONCORD_C21-C23.dwg LAYOUT: C-22 Chilton St



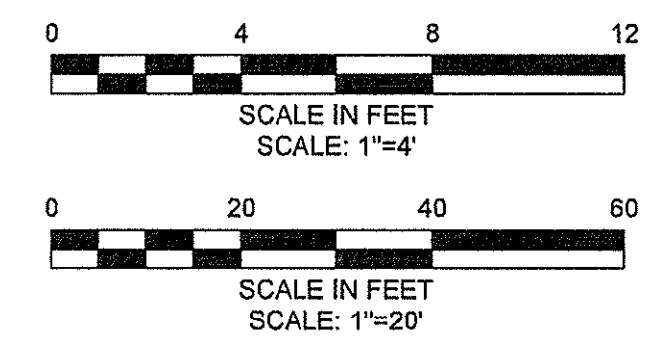
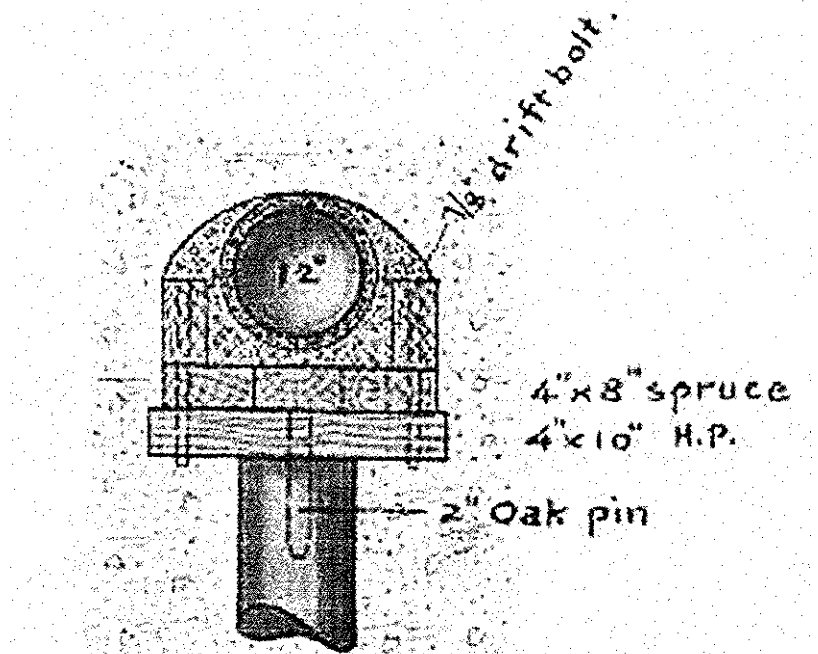
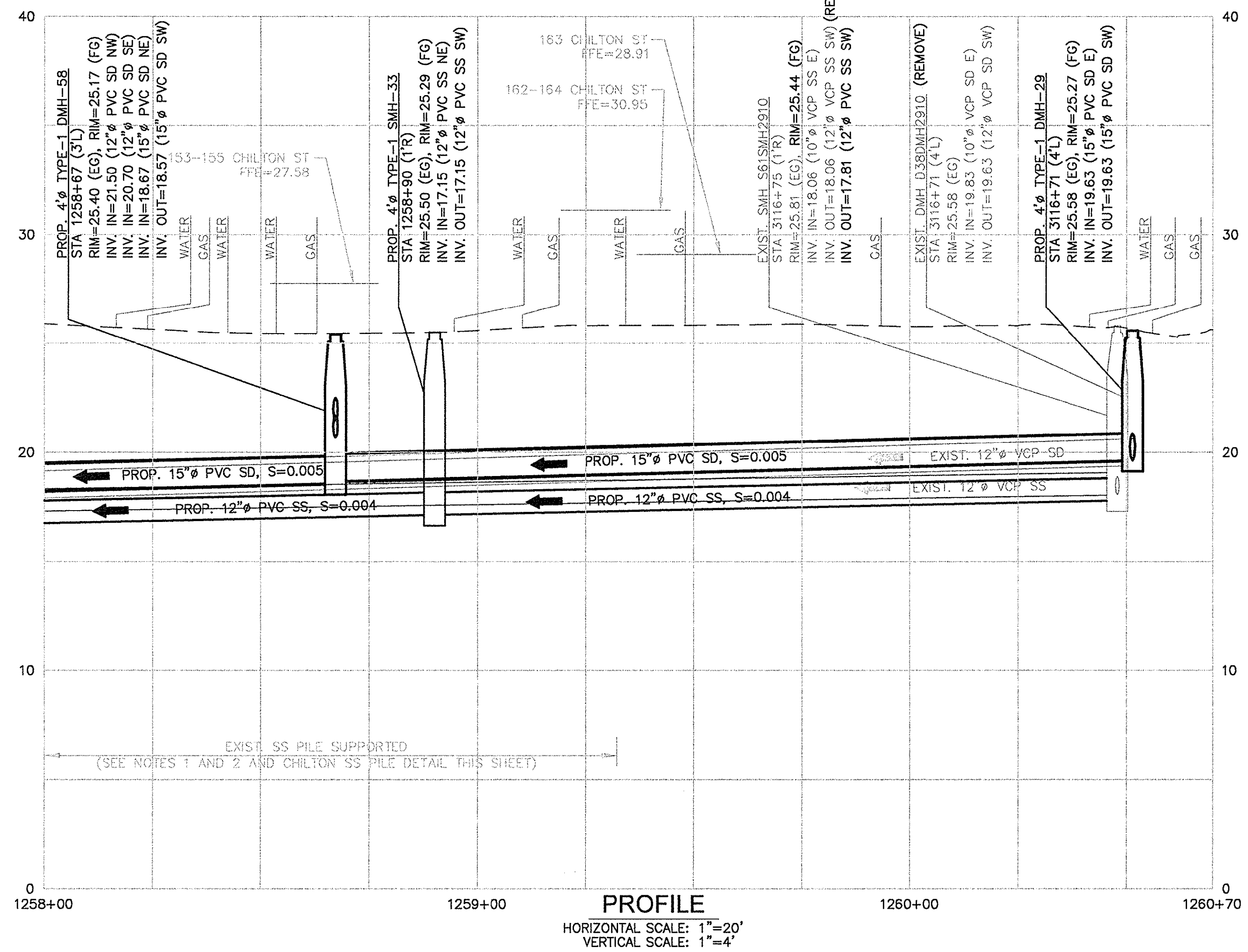
Scale	AS NOTED			
Date	JANUARY 27, 2014			
Job No.	20120256.001A			
Designed by	ZSH			
Drawn by	NFT			
Checked by	AML	No.	Description	Date
Approved by	EO		REVISIONS	



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	C-22
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	
Drawing	CIVIL - PLAN AND PROFILE CHILTON ST STA 1254+00 TO STA 1258+00		



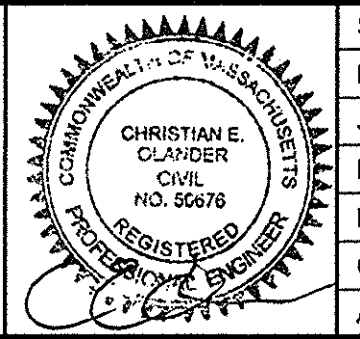
- NOTE:**
- SEE BELOW FOR CROSS SECTION OF EXIST. SS/SD WITH TIMBER PILES. TEST PIT TO VERIFY EXIST. CONDITIONS.
 - REMOVE EXIST. 12" VCP SS AND WOOD PILE CAP WITH CONCRETE. REUSE EXIST. TIMBER PILES IF IN SUITABLE CONDITION AS DIRECTED BY THE ENGINEER. INSTALL PROP. CONCRETE PILE CAP ON EXIST. TIMBER PILES PER DETAIL 31, SHEET CG-9.



CONFORMED SET

PLOTTED: 2/20/2014 4:34 PM BY: nek/ldg

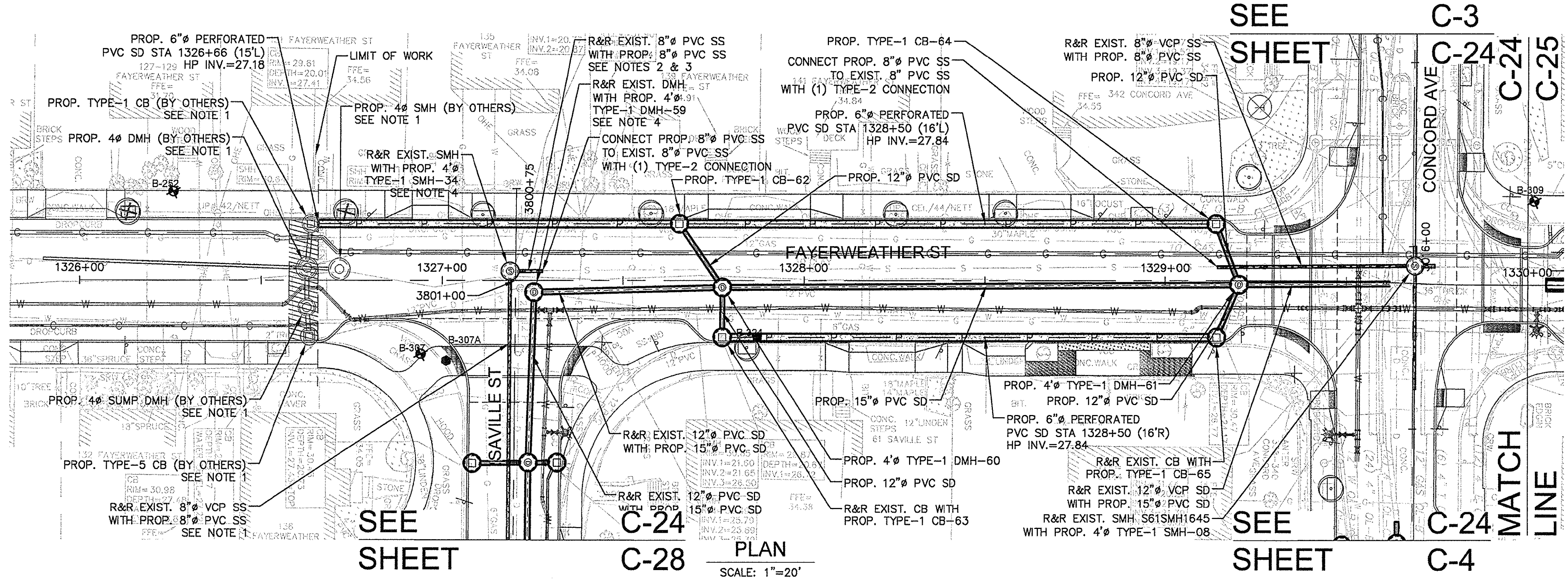
CAD FILE: C:\www\kfd\0128696\CON9_C21_C23.dwg LAYOUT: C-23 Chilton St



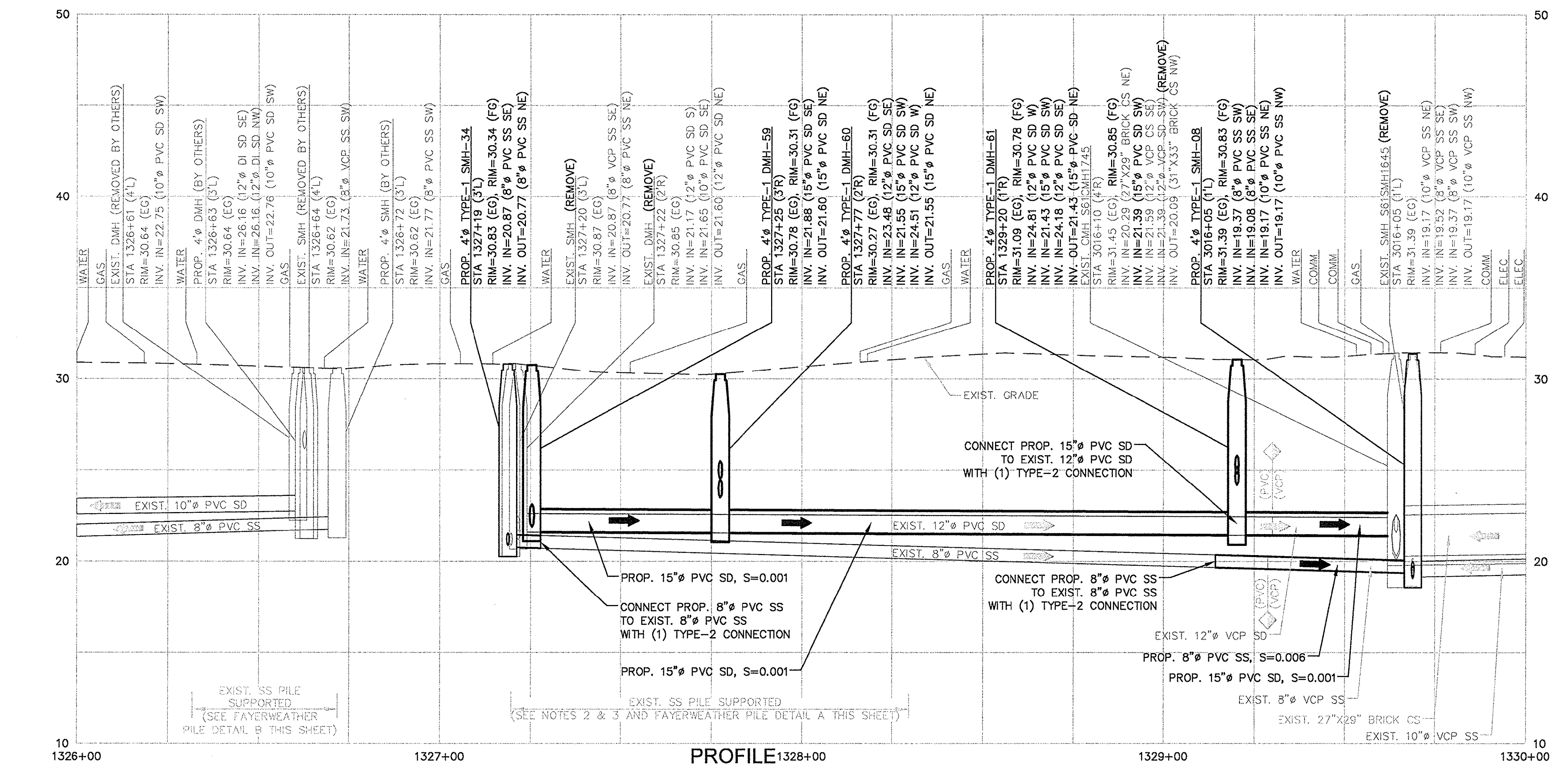
Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date



Client	CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet	C-23
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	File No.	
Drawing	CIVIL - PLAN AND PROFILE CHILTON ST STA 1258+00 TO STA 1260+70		

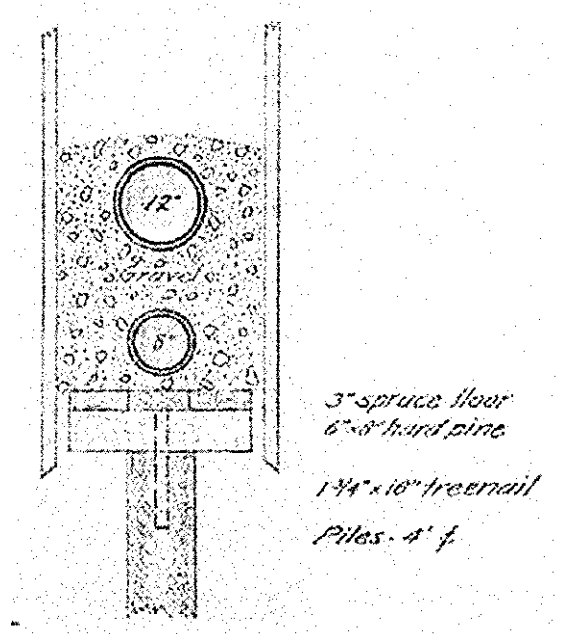


PLAN
SCALE: 1"=20'

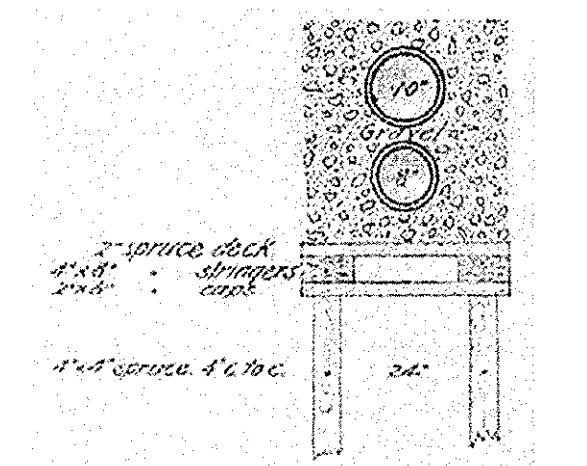


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

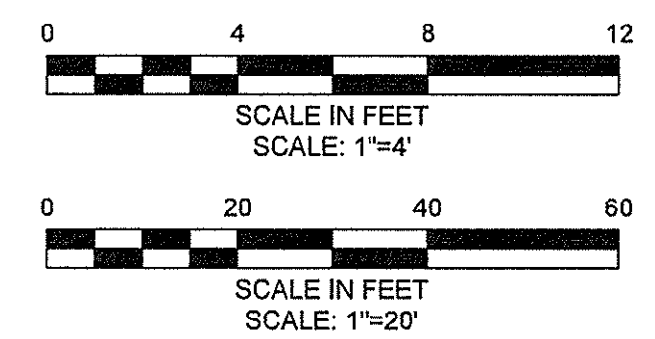
- NOTES:**
- CONTRACTOR TO COORDINATE ALL "BY OTHERS" WORK AND WORK BEYOND "LIMIT OF WORK" WITH HURON 88 CONTRACTOR AND ENGINEER. WORK IDENTIFIED AS "ABANDON" IS THIS CONTRACT. WORK IDENTIFIED AS "ABANDONED" IS BY OTHERS.
 - SEE BELOW FOR CROSS SECTION OF EXIST. SS/SD WITH TIMBER PILES. TEST PIT TO VERIFY EXISTING CONDITIONS.
 - REMOVE EXIST. 8" VCP SS, 12" VCP SD AND WOOD PILE CAP WITH SIDE WALLS. REUSE EXIST. TIMBER PILES IF IN SUITABLE CONDITION AS DIRECTED BY THE ENGINEER. INSTALL PROP. CONCRETE PILE CAP ON EXIST. TIMBER PILES PER DETAIL 31, SHEET C-9.
 - EXIST. PILES DELINEATE AREA OF LOOSE SOILS. OVER EXCAVATE AND BACKFILL BELOW PROP. STRUCTURES IN ACCORDANCE WITH SPECIFICATION SECTION 02210.



**FAYERWEATHER
SS/SD PILE DETAIL A**
CROSS SECTION OF EXIST.
SEWER AND DRAIN WITH
CONCRETE AND UNKNOWN
TIMBER PILES
(SEE NOTES 2 & 3)

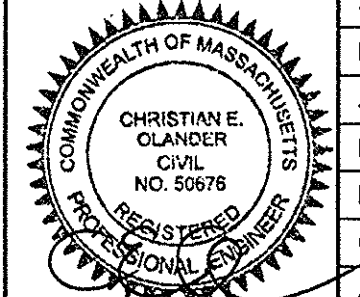


**FAYERWEATHER
SS/SD PILE DETAIL B**
CROSS SECTION OF EXIST.
SEWER AND DRAIN WITH
CONCRETE AND UNKNOWN
TIMBER PILES
(FOR REFERENCE BY OTHERS)

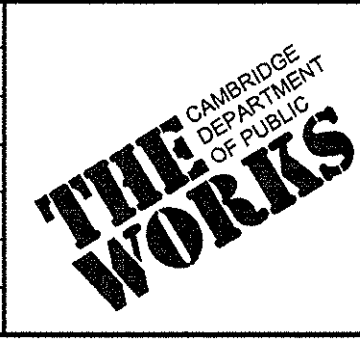


CONFORMED SET

PLOTTED: 2/20/2014 4:46 PM BY: mck:mis
 LAYOUT: C-24 Fayerweather St

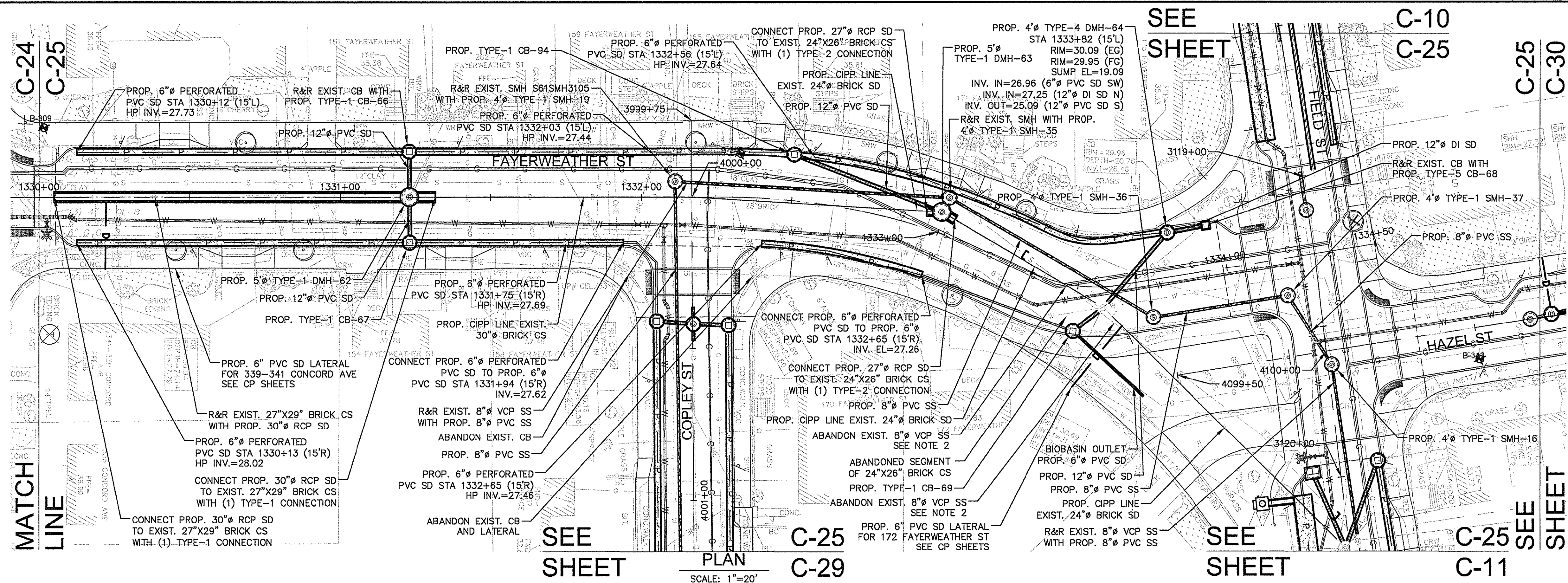


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120255.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO

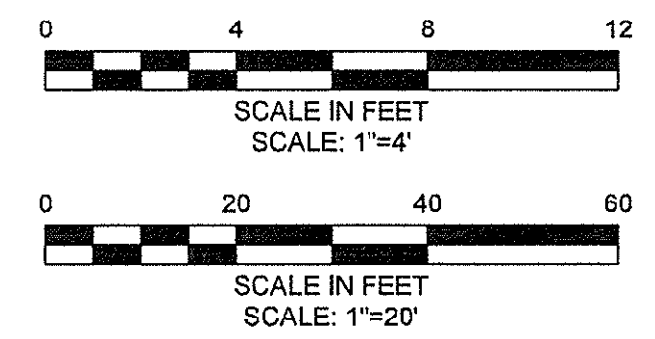
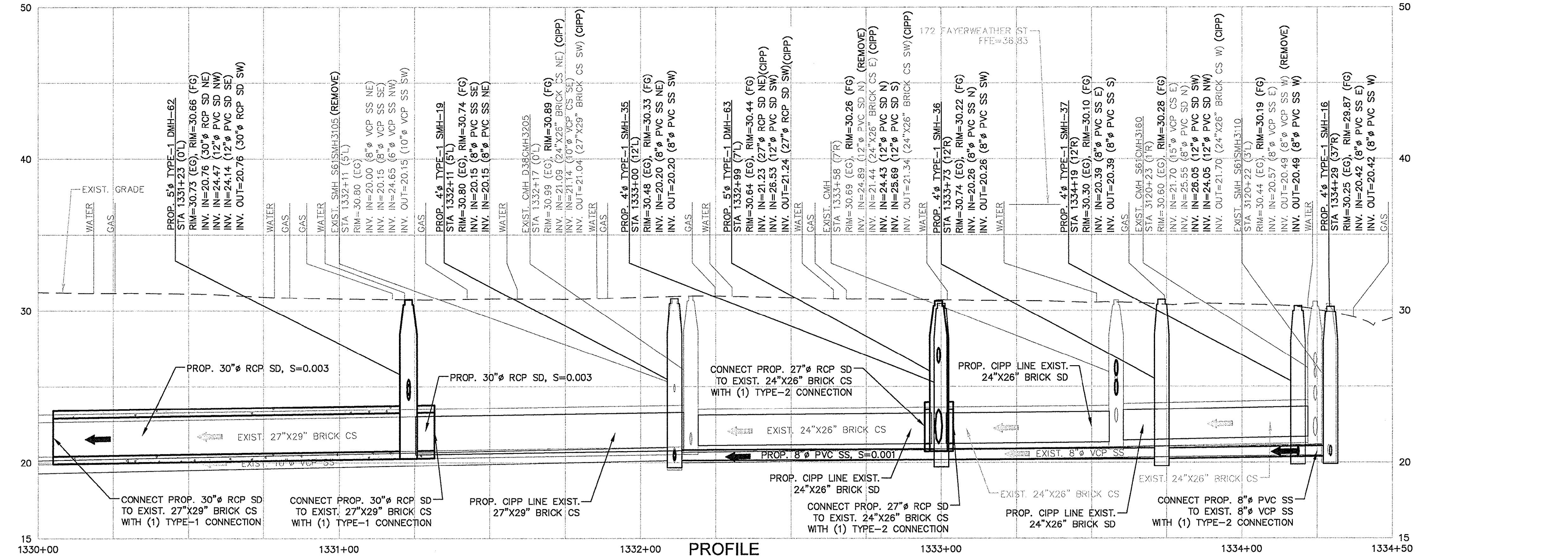


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE FAYERWEATHER ST STA 1326+00 TO STA 1330+00

Sheet	C-24
File No.	

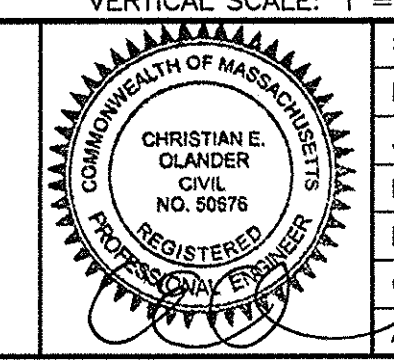


- NOTES:
1. CONTRACTOR TO REDIRECT ILLEGAL CONNECTIONS TO SS.
 2. CONTRACTOR TO VERIFY AND LOCATE ACTIVE SERVICE LATERAL CONNECTIONS ON SS AND SD TO BE ABANDONED AND REDIRECT TO PROP. SS AND SD AS REQUIRED.

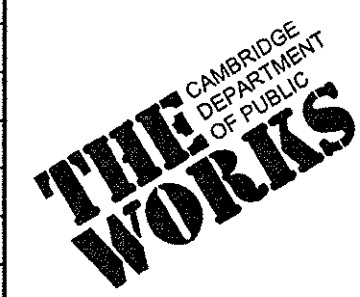


CONFORMED SET

PLOTTED: 2/20/2014 4:45 PM BY: mch/mb
 LAYOUT: C-25 Fayerweather St



Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



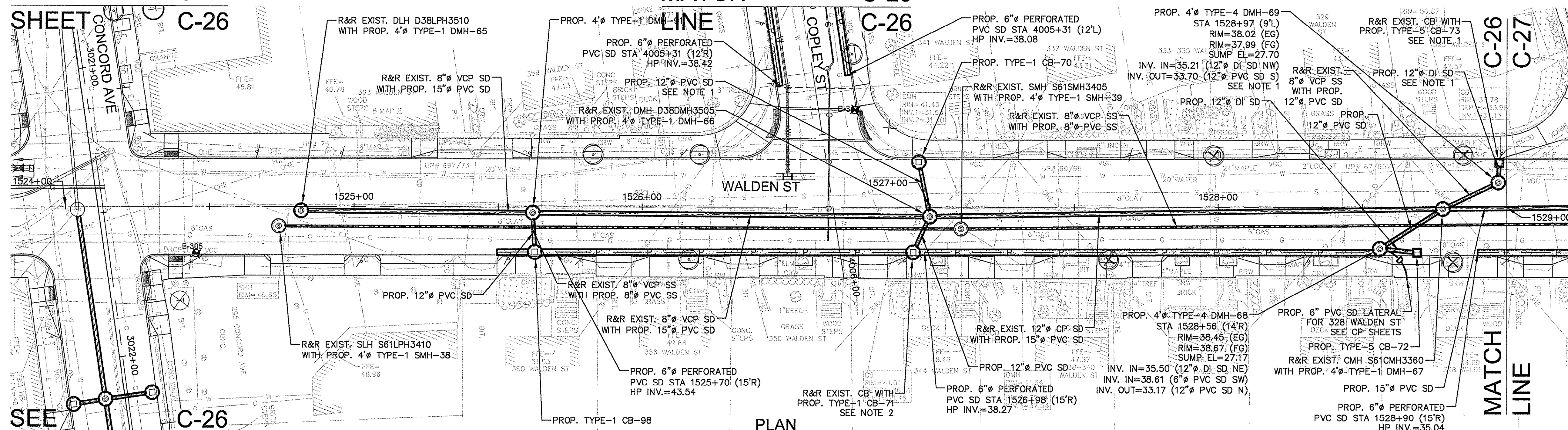
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE FAYERWEATHER ST STA 1330+00 TO STA 1334+50

Sheet	C-25
File No.	

SEE SHEET C-4 C-26

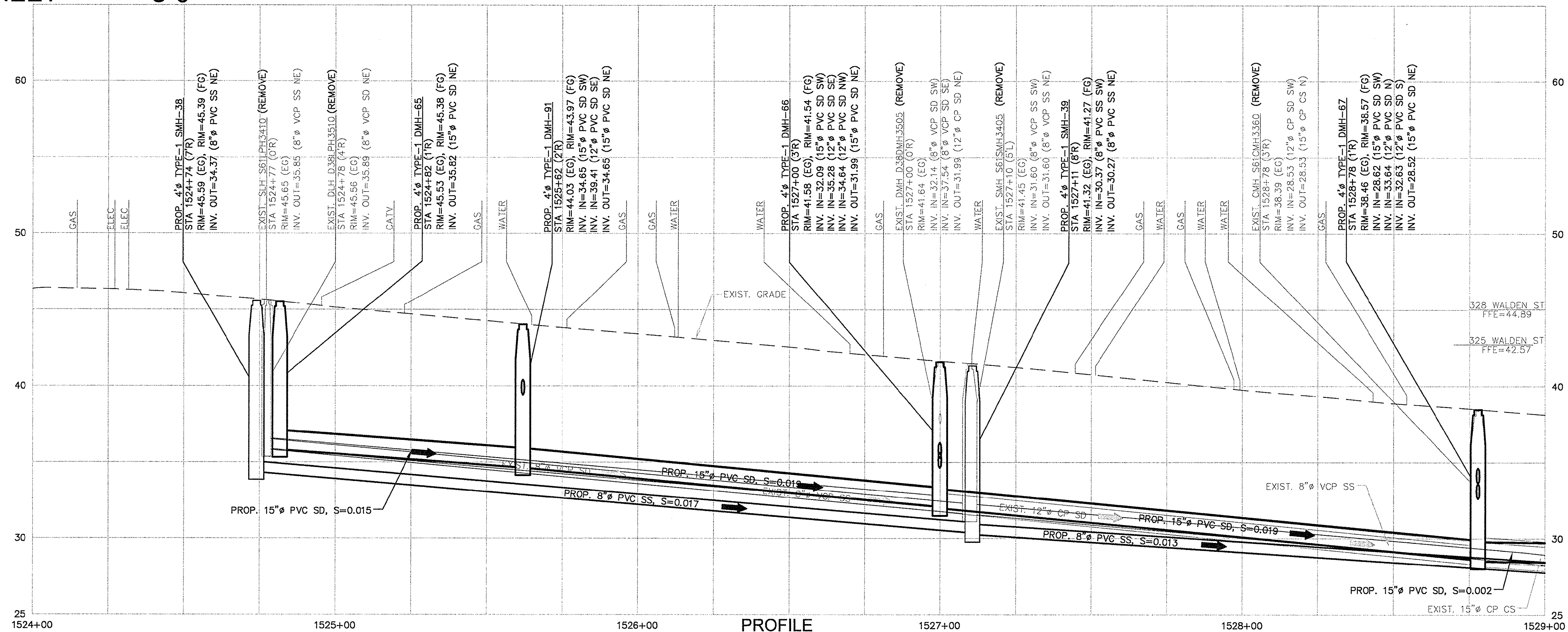
MATCH LINE C-29 C-26

SEE SHEET C-26 C-5

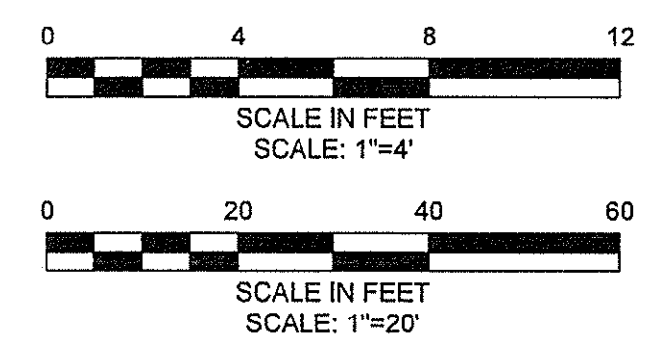


- NOTE:
- REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. 20" WATER MAIN.
 - PRIOR TO ORDERING PROP. CB, CONTRACTOR TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS C6-5 AND C6-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6"-0" SUMP DEPTH.

PLAN SCALE: 1"=20'

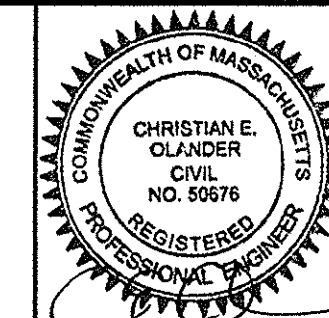


PROFILE HORIZONTAL SCALE: 1"=20' VERTICAL SCALE: 1"=4'

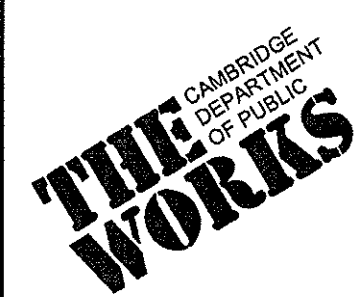


CONFORMED SET

PLOTTED: 2/20/2014 4:45 PM BY: tick:ino

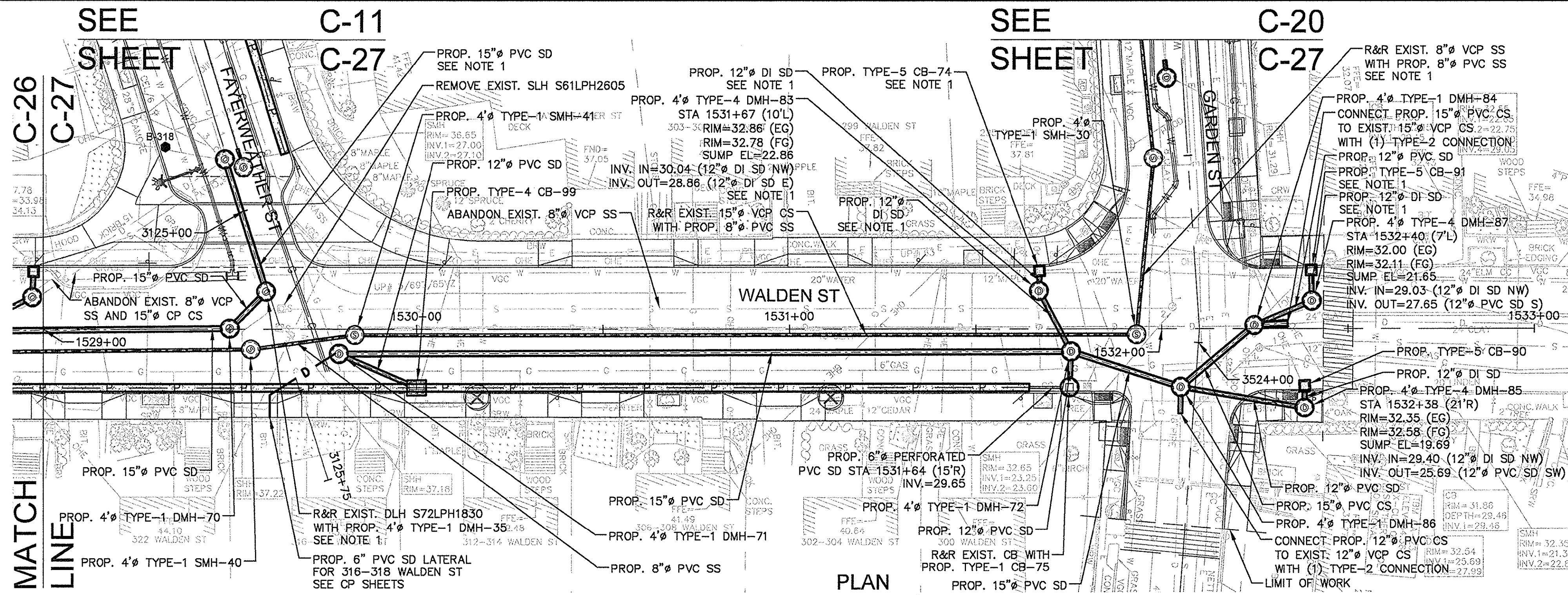


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120296.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO

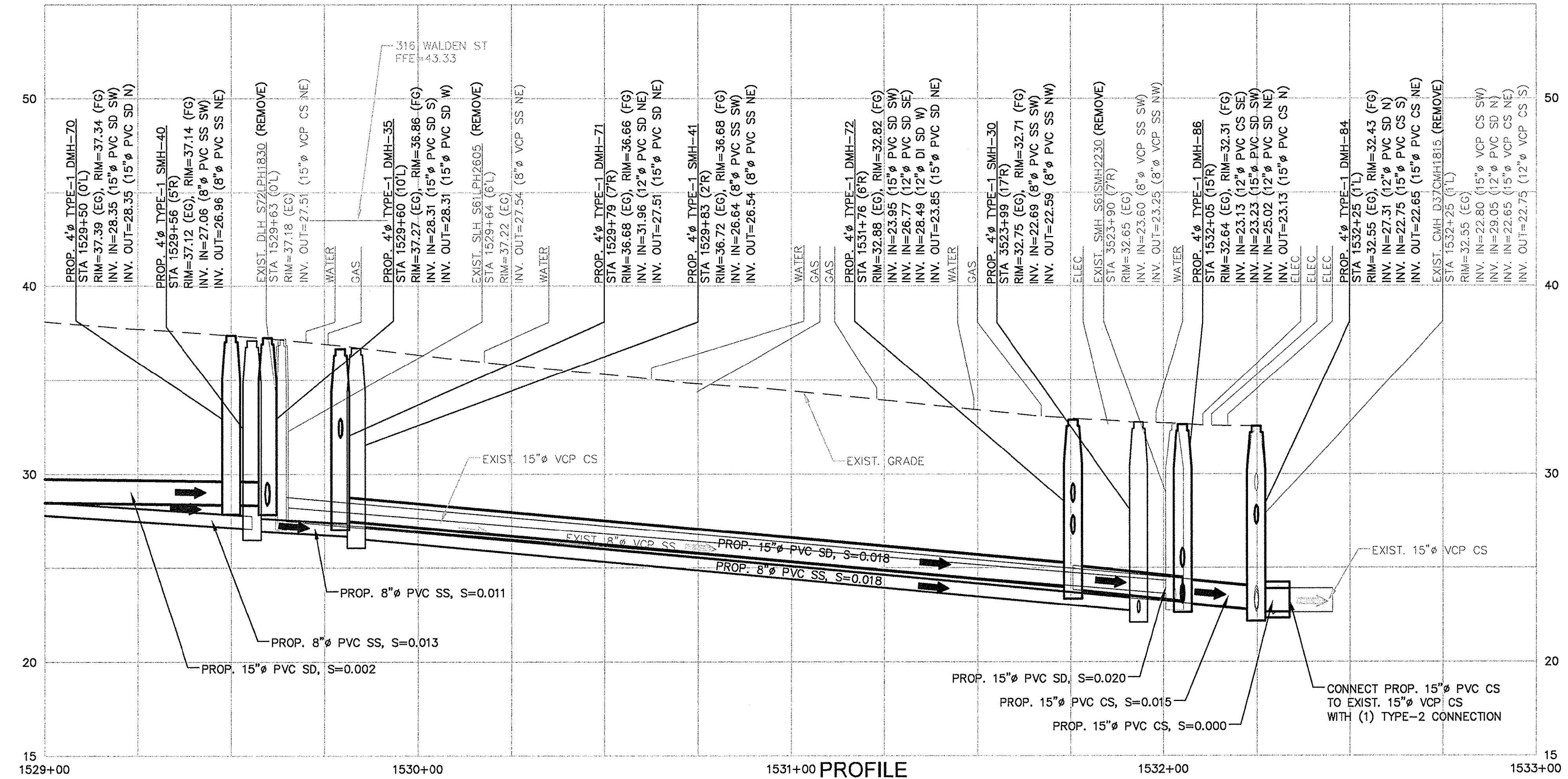


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE WALDEN ST STA 1524+00 TO STA 1529+00

Sheet	C-26
File No.	

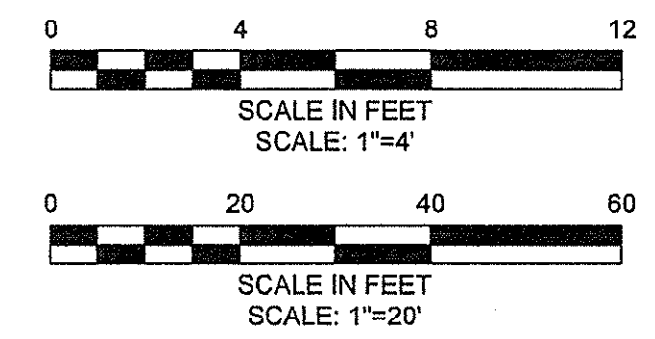


PLAN
SCALE: 1"=20'



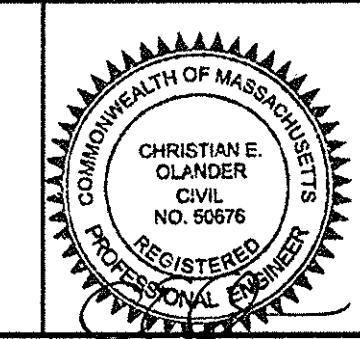
PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

- NOTES:
- REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. 20" WATER MAIN.
 - REFER TO SPECIFICATION SECTION 02160 - TEMPORARY EXCAVATION SUPPORT SYSTEMS FOR EXCAVATION ADJACENT TO EXIST. HEAT EXCHANGER RETURN PIPELINE.

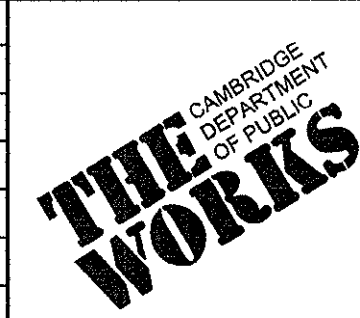


CONFORMED SET

PLOTTED: 2/20/2014 4:47 PM BY: nick.miles
 LAYOUT: C-27 Walden St



Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	KWG		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date

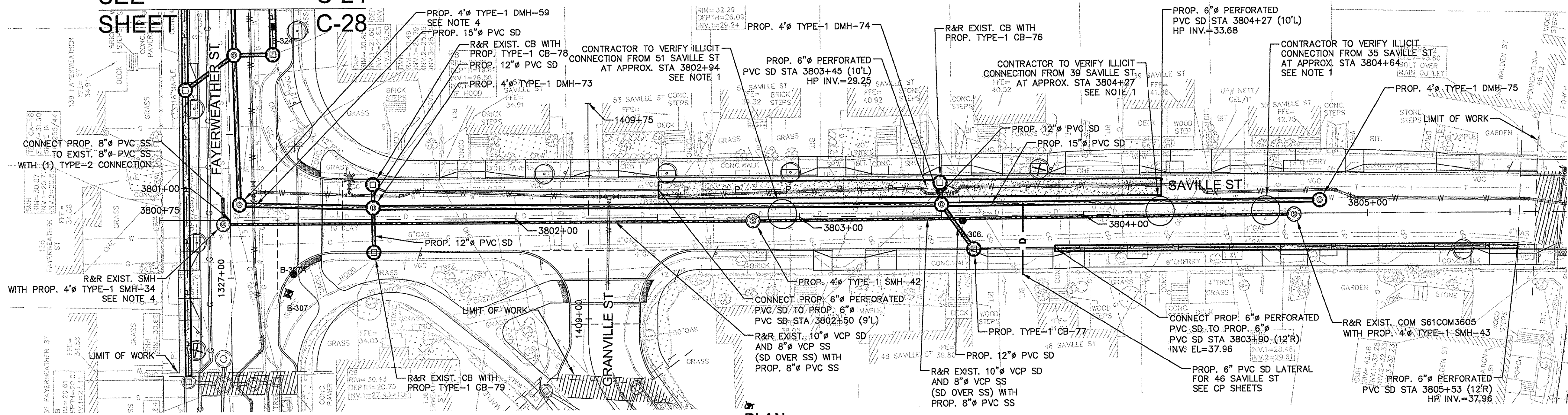


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE WALDEN ST STA 1529+00 TO STA 1533+00

Sheet	C-27
File No.	

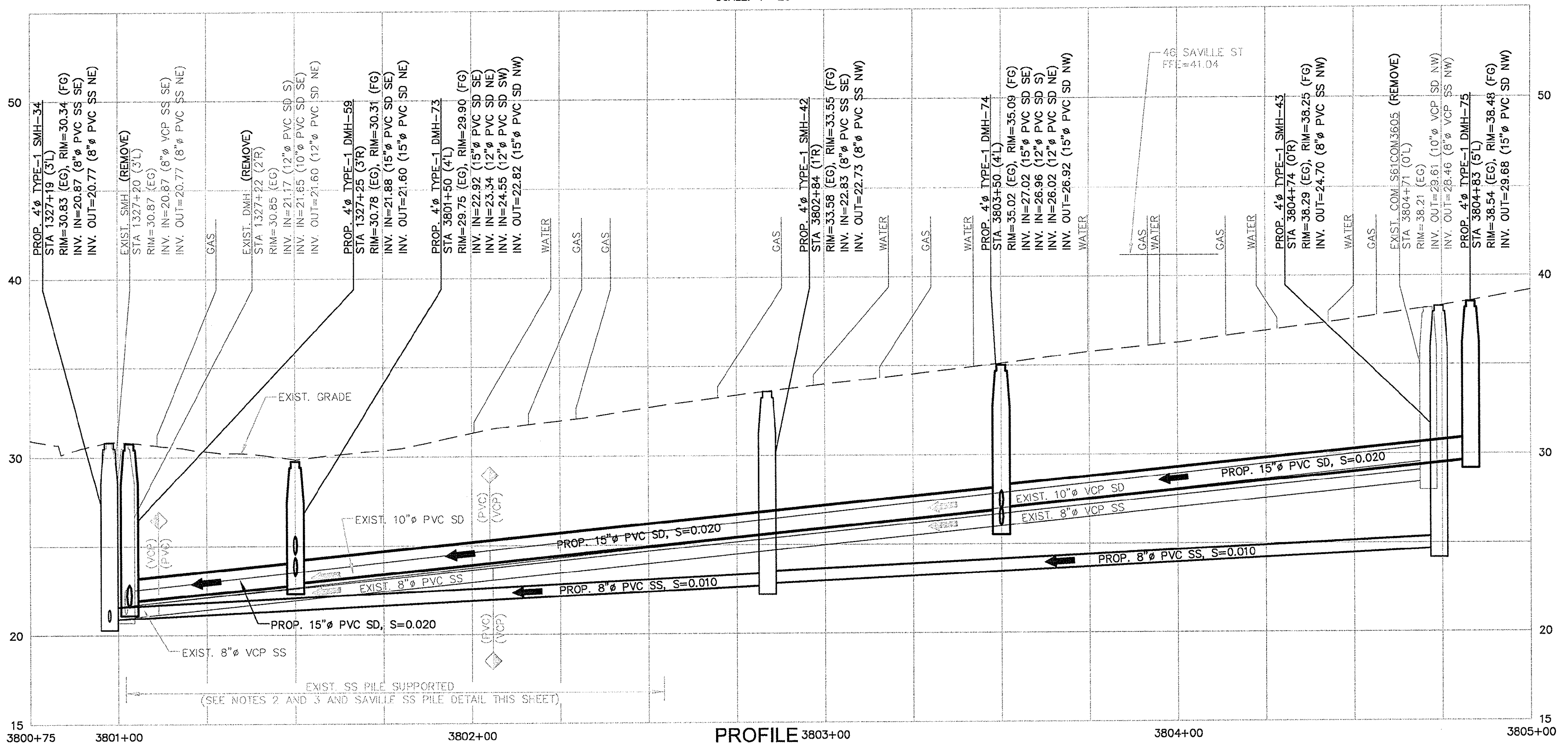
SEE SHEET

C-24
C-28

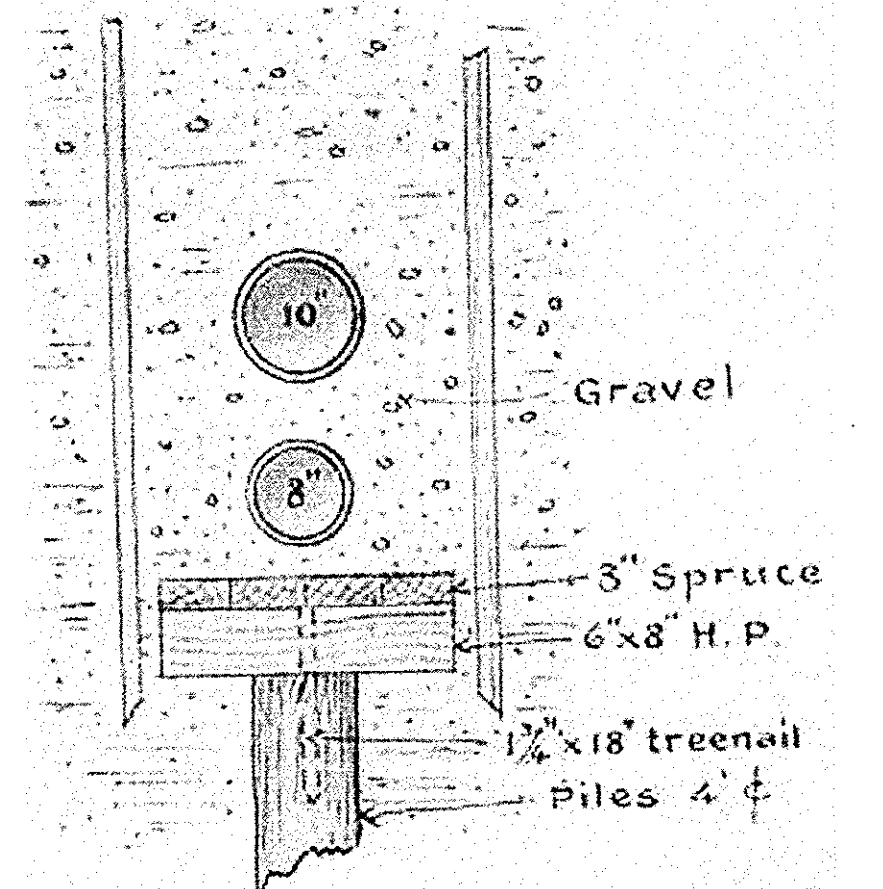


- NOTES:
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - SEE BELOW FOR CROSS SECTION OF EXIST. SS/SD WITH TIMBER PILES. TEST PIT TO VERIFY EXISTING CONDITIONS.
 - REMOVE EXIST. 8" VCP/PVC SS, 12" VCP DRAIN AND WOOD PILE CAP WITH SIDE WALLS. REUSE EXIST. TIMBER PILES IF IN SUITABLE CONDITION AS DIRECTED BY THE ENGINEER. INSTALL PROP. CONCRETE PILE CAP ON EXIST. TIMBER PILES PER DETAIL 31, SHEET CG-9.
 - EXIST. PILES DELINEATE AREA OF LOOSE SOILS. OVER EXCAVATE AND BACKFILL BELOW PROP. STRUCTURES IN ACCORDANCE WITH SPECIFICATION SECTION 02210.

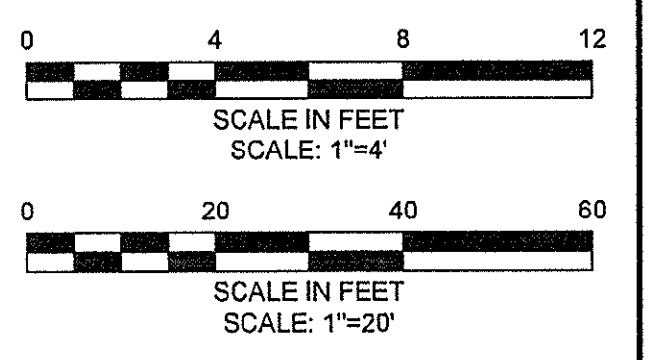
PLAN
SCALE: 1"=20'



PROFILE 3803+00
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

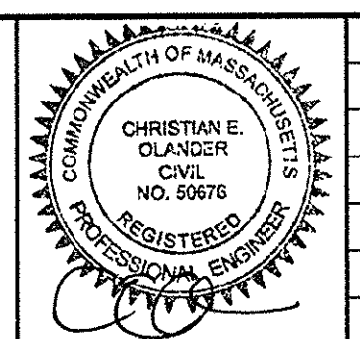


SAVILLE SS PILE DETAIL
CROSS SECTION OF EXIST. SEWER AND DRAIN WITH CONCRETE AND UNKNOWN TIMBER PILES
(SEE NOTES 2 AND 3)



CONFORMED SET

CADD FILE: C:\pwworking\10128090\CONC_C28-C31.dwg LAYOUT: C-28 Saville St PLOTTED: 2/20/2014 4:52 PM BY: rds/rlb



Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE SAVILLE ST STA 3800+75 TO STA 3805+67

Sheet	C-28
File No.	

SEE SHEET

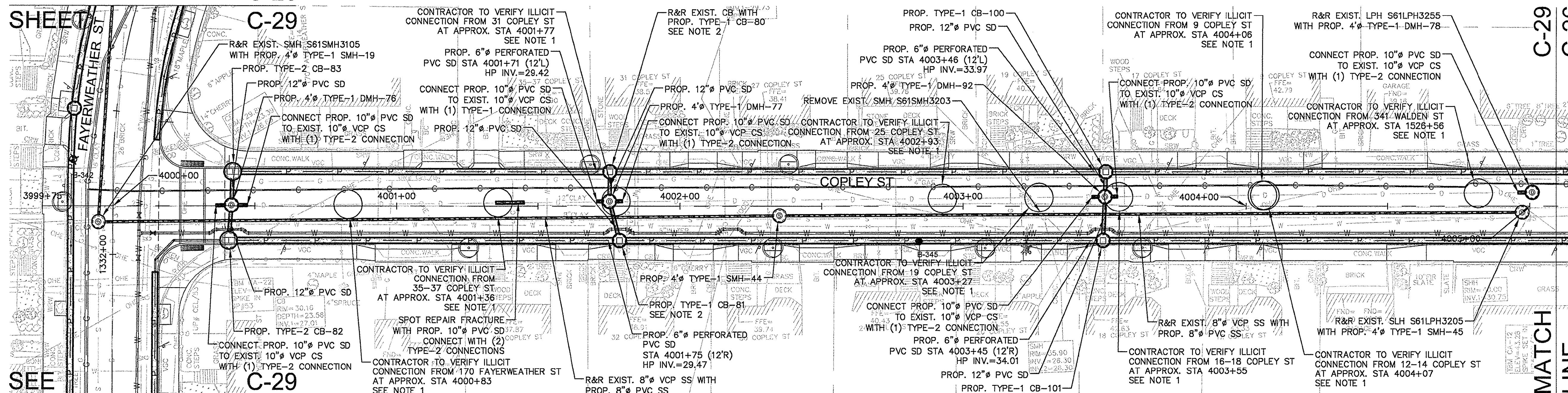
SEE SHEET

SEE SHEET

C-25

C-29

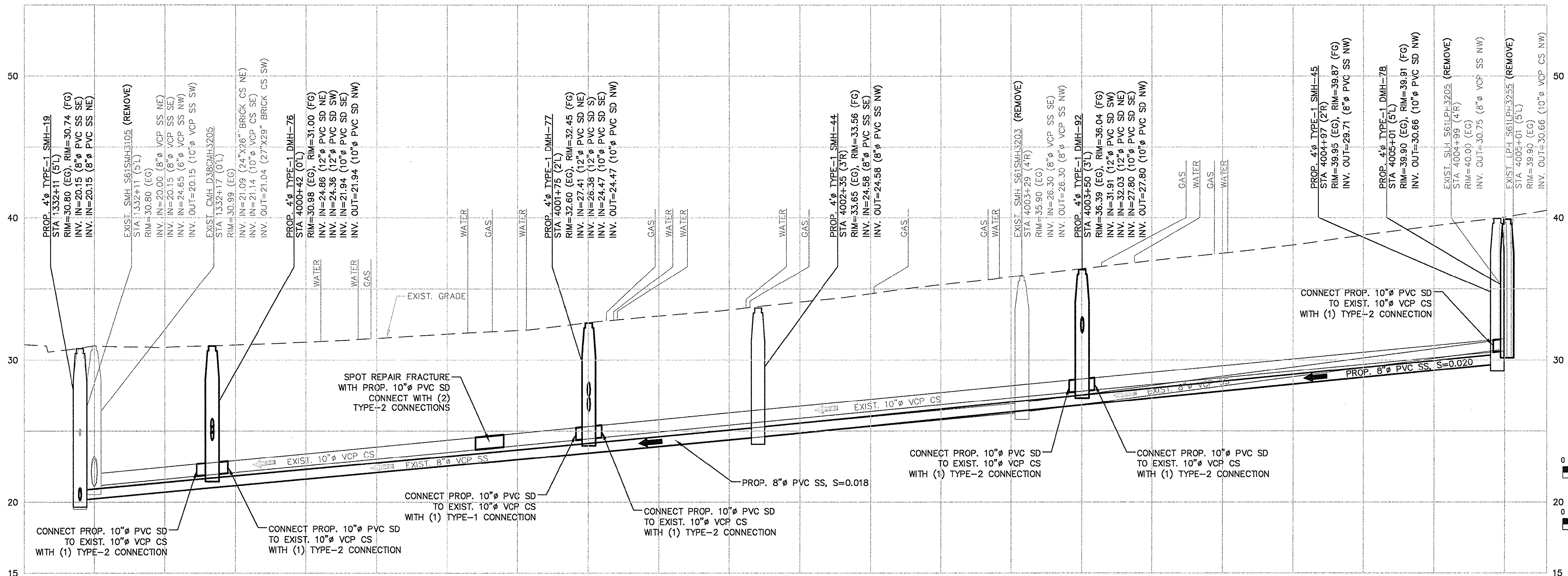
C-29
C-26



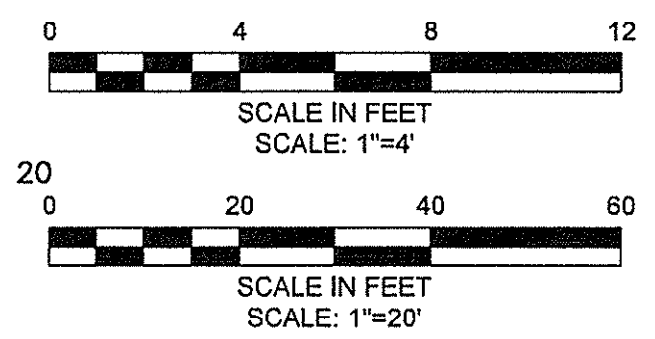
PLAN
SCALE: 1"=20'

- NOTES:
- CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.
 - PRIOR TO ORDERING PROP. CB, CONTRACTOR AND ENGINEER TO EVALUATE CONDITION OF EXIST. CB FOR POSSIBLE REUSE. EXIST. CB MUST COMPLY WITH CATCH BASIN DETAILS (SEE SHEETS C6-5 AND C6-6) TO BE CONSIDERED FOR REUSE. AT MINIMUM EXIST. CB MUST BE IN GOOD CONDITION AS DETERMINED BY ENGINEER AND HAVE 6'-0" SUMP DEPTH.

MATCH LINE

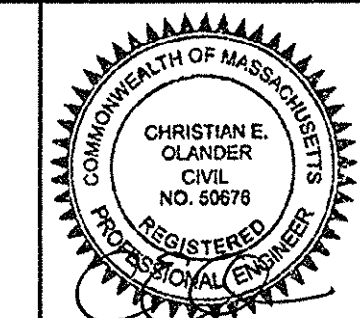


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

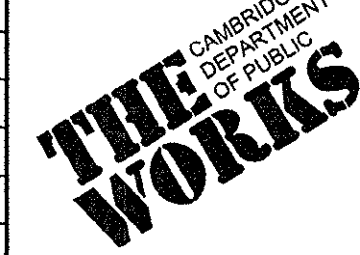


CONFORMED SET

PLOTTED: 2/20/2014 4:54 PM BY: dck/rlg
LAYOUT: C-29 Copley St

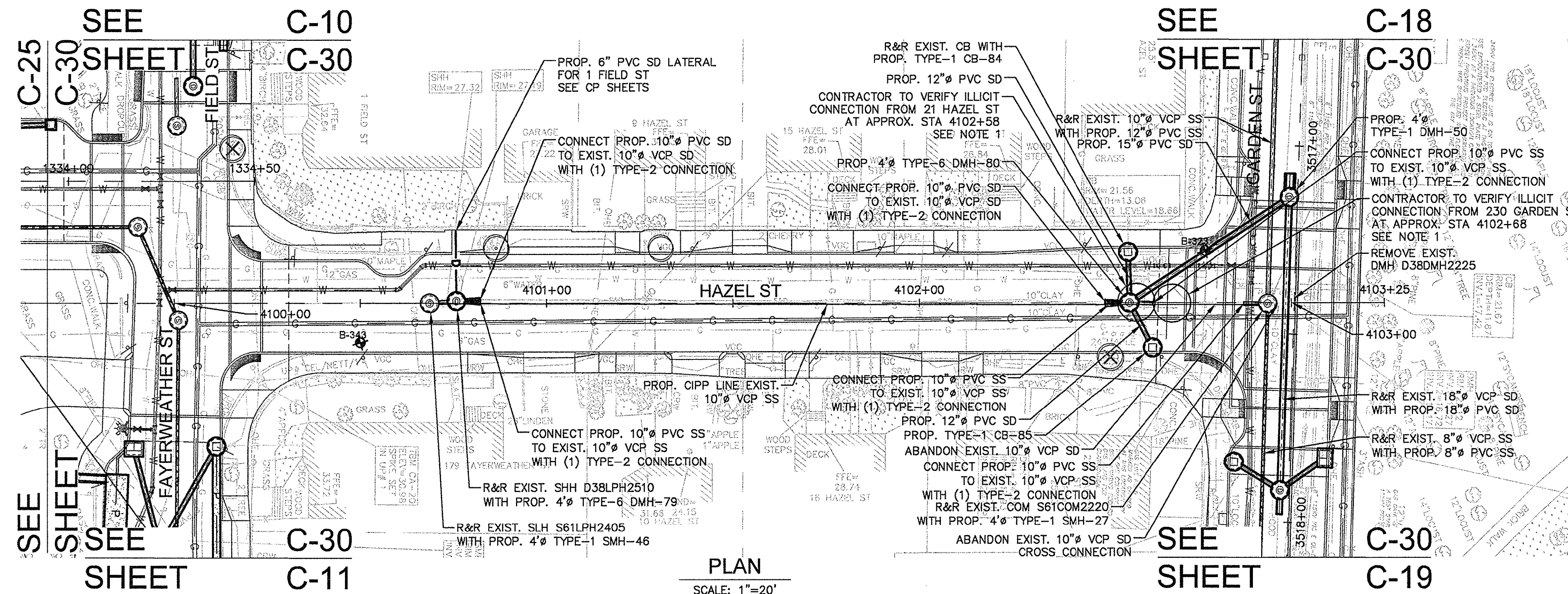


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO

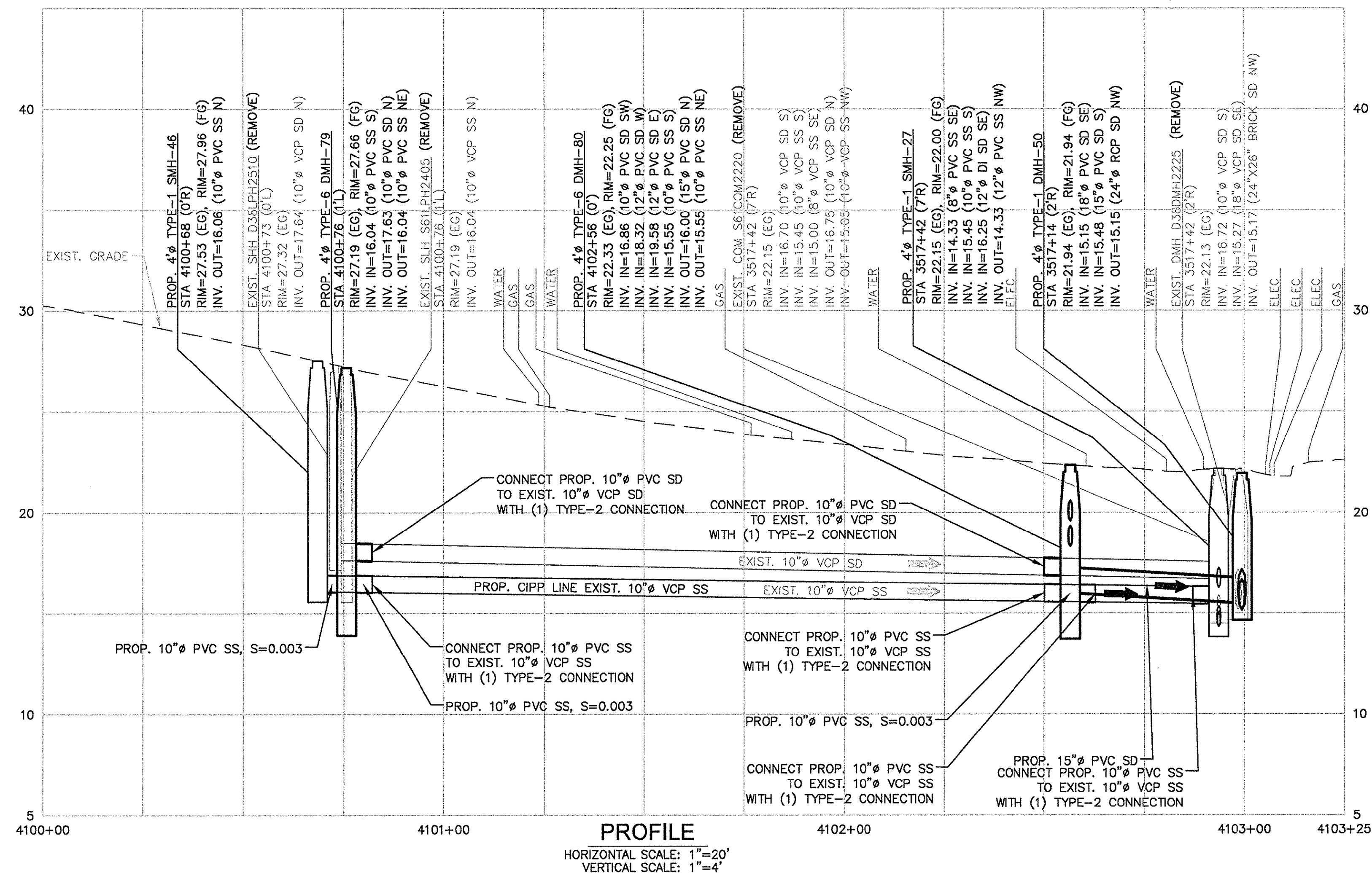


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE COPLEY ST STA 3999+75 TO STA 4005+15

Sheet	C-29
File No.	

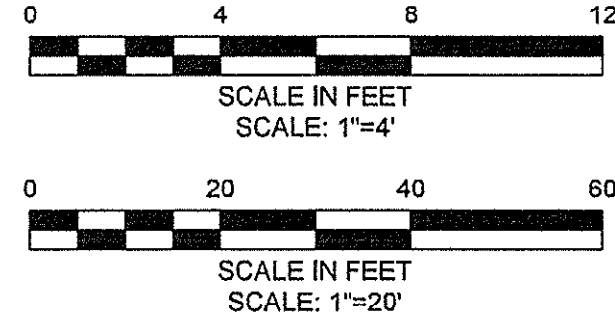


PLAN
SCALE: 1"=20'



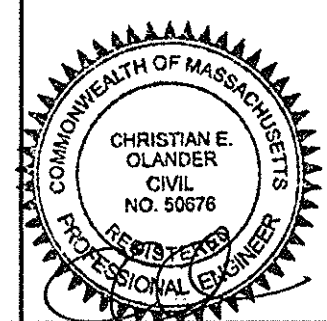
PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

NOTE:
1. CONTRACTOR TO REDIRECT ILLICIT CONNECTIONS TO SS.

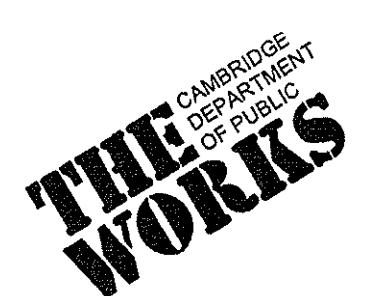


CONFORMED SET

PLOTTED: 2/20/2014 4:58 PM BY: mck/rls
LAYOUT: C-30-Hazel St

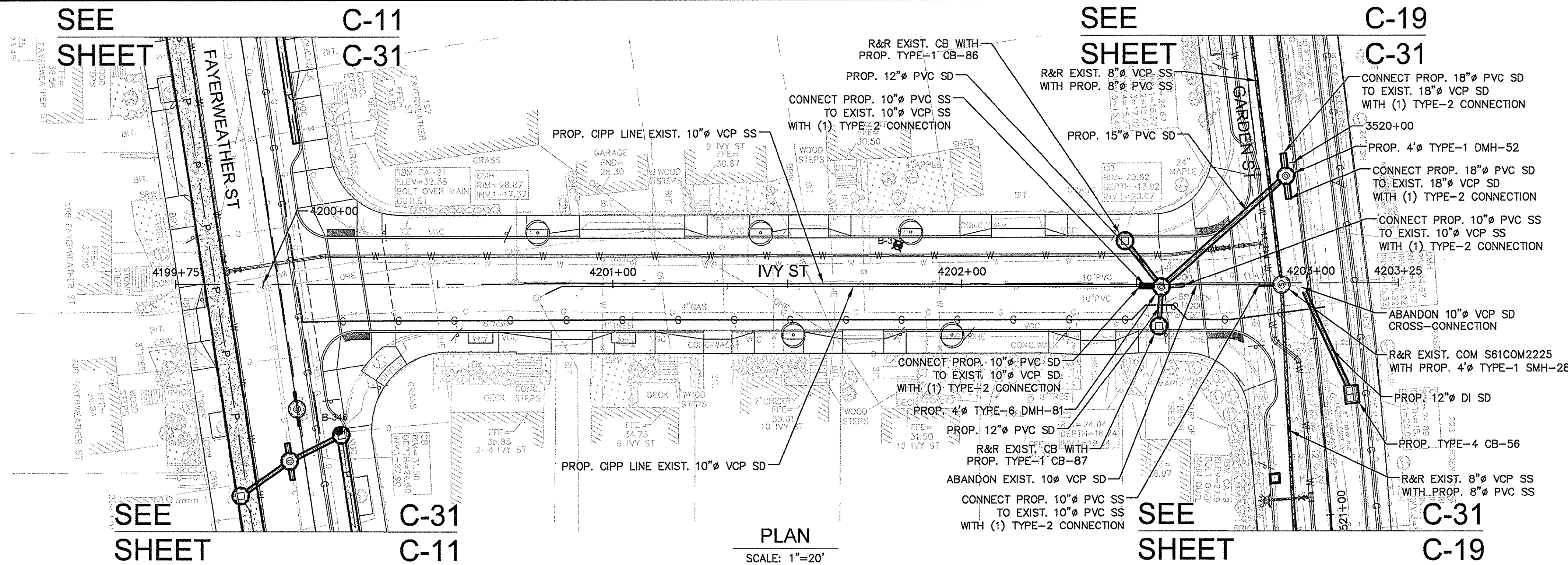


Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	KWG		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date
REVISIONS			

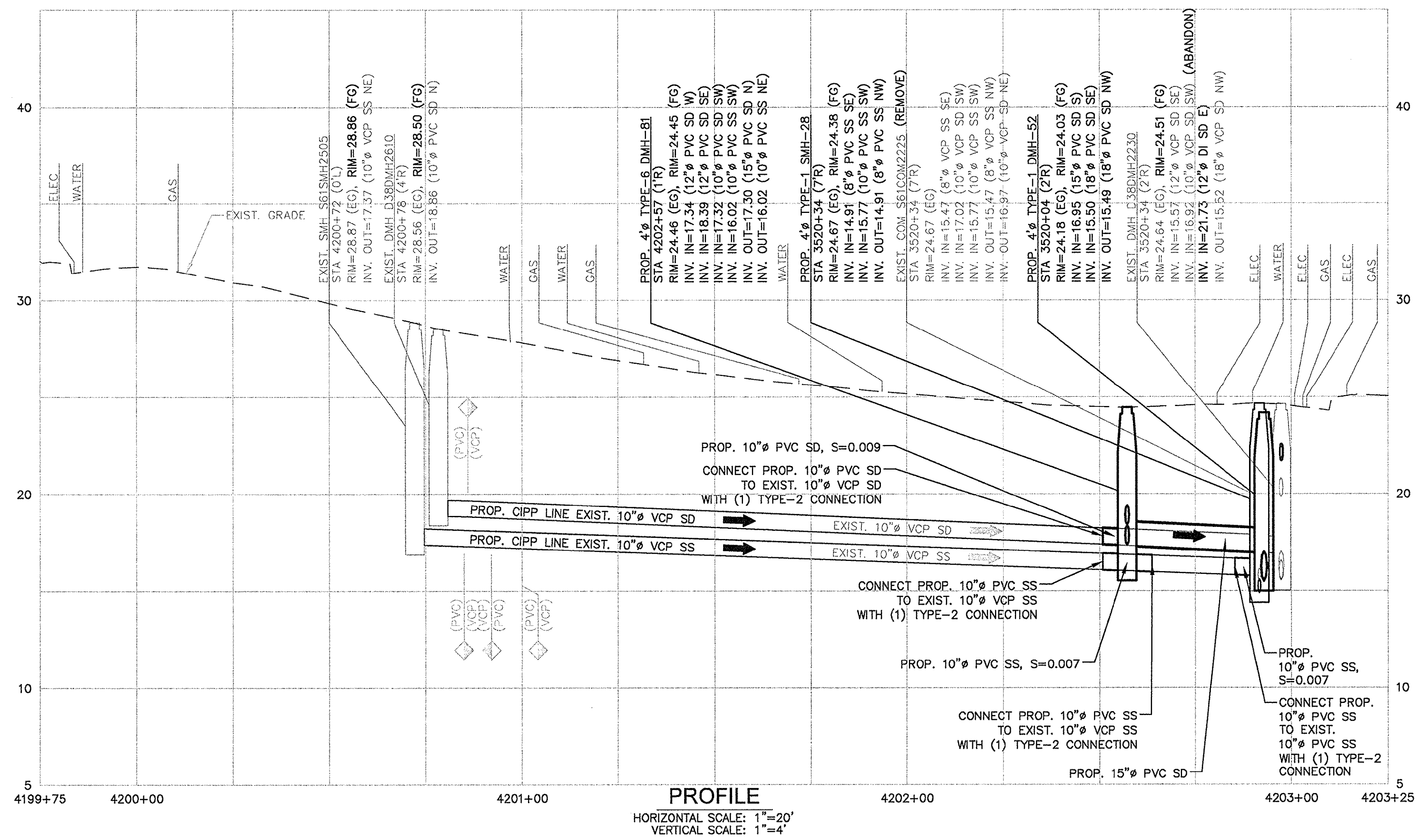


Client	CITY OF CAMBRIDGE, MASSACHUSETTS	
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT	
Drawing	CIVIL - PLAN AND PROFILE HAZEL ST STA 4100+00 TO STA 4103+25	

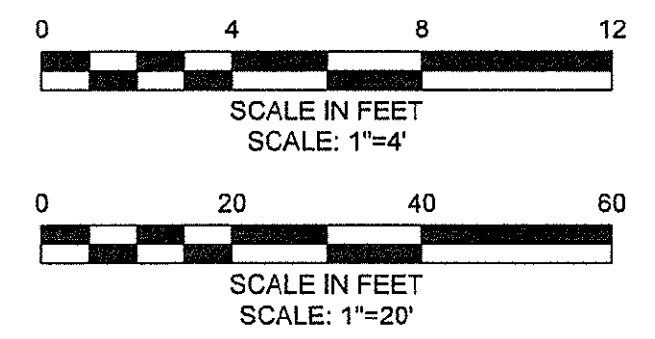
Sheet	C-30
File No.	



PLAN
SCALE: 1"=20'

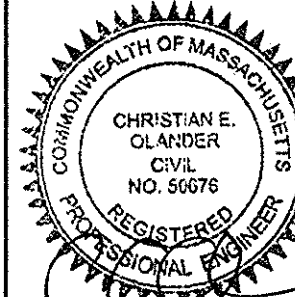


PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



CONFORMED SET

PLOTTED: 2/20/2014 4:58 PM BY: mck:mhc
LAYOUT: C-31.bv.s1
CAD FILE: C:\projects\101289\CON9_C28-C31.dwg



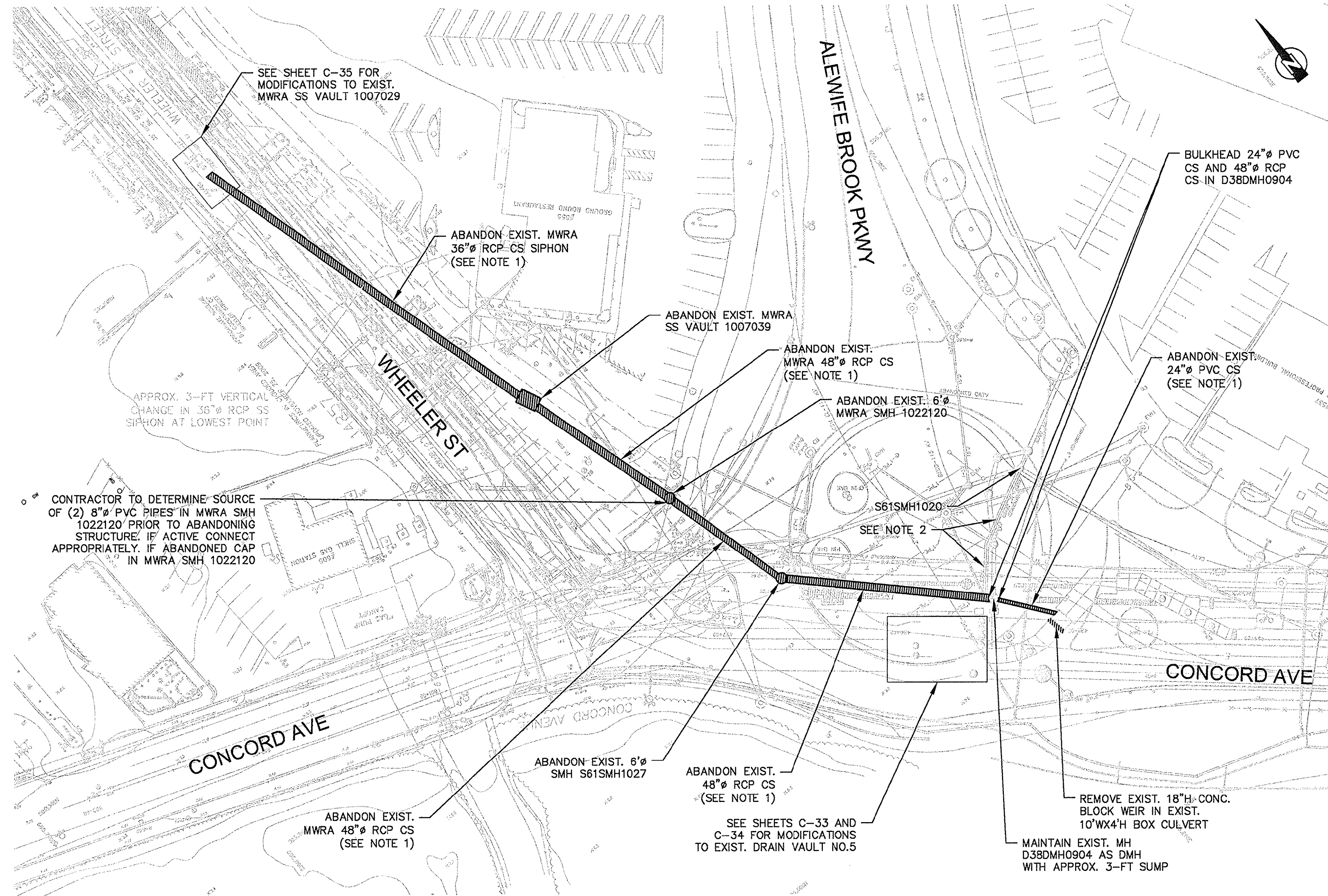
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	KWG
Drawn by	NFT
Checked by	AML
Approved by	EO



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL - PLAN AND PROFILE IVY ST STA 4199+75 TO STA 4203+25

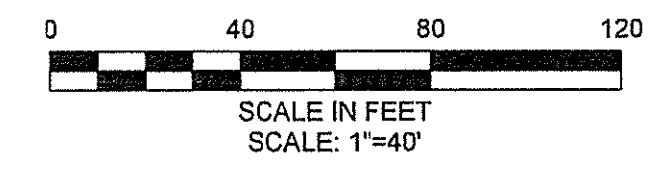
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File No.	

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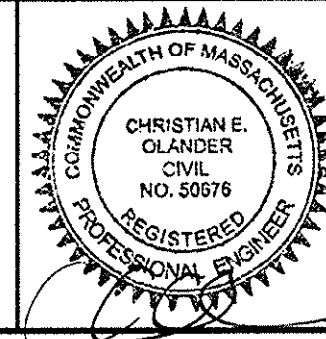


- NOTES:**
- CONTRACTOR TO CCTV THE FOLLOWING REACHES AND CONFIRM THERE ARE NO ACTIVE CONNECTIONS PRIOR TO PIPE BEING ABANDONED. CONTRACTOR TO REPORT RESULTS TO ENGINEER FOR REVIEW 30 DAYS PRIOR TO SCHEDULED ABANDONMENT:
 - 4'X10' BOX CULVERT TO D38DMH0904: APPROX. 33 LF 24" PVC CS
 - D38DMH0904 TO S61SMH1027: APPROX. 115 LF 48" RCP CS
 - S61SMH1027 TO 1022120: APPROX. 72 LF 48" RCP CS
 - 1022120 TO 1007039: APPROX. 88 LF 48" RCP CS
 - 1007039 TO 1007029: APPROX. 215 LF 36" RCP CS SIPHON
 - CONTRACTOR TO CONFIRM 12" SS BETWEEN S61SMH1020 AND 48" RCP CS DOWNSTREAM IS ABANDONED. IF ANY IMPROVEMENTS TO SEWER MANHOLES ARE NECESSARY IN THIS VICINITY MANHOLES SHALL BE CONSTRUCTED FOR ZONE A SURFACE WATERSHEDS AS DIRECTED BY THE ENGINEER.
 - ALL EXISTING CONDITION ELEVATIONS ARE DEPICTED IN NGVD 29 DATUM. VERTICAL DATUM NGVD 29 IS APPROXIMATELY 10.84 FEET ABOVE CAMBRIDGE CITY BASE DATUM.
 - REFER TO DCR PERMIT (APPENDED TO SPECIFICATIONS) FOR ACCESS RESTRICTIONS AND REQUIREMENTS.
 - REFER TO SPECIFICATION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF WORK SHOWN ON THIS SHEET.

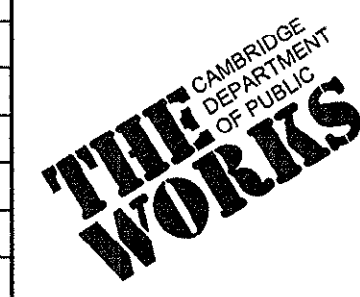
PLAN
SCALE: 1"=40'



CONFORMED SET



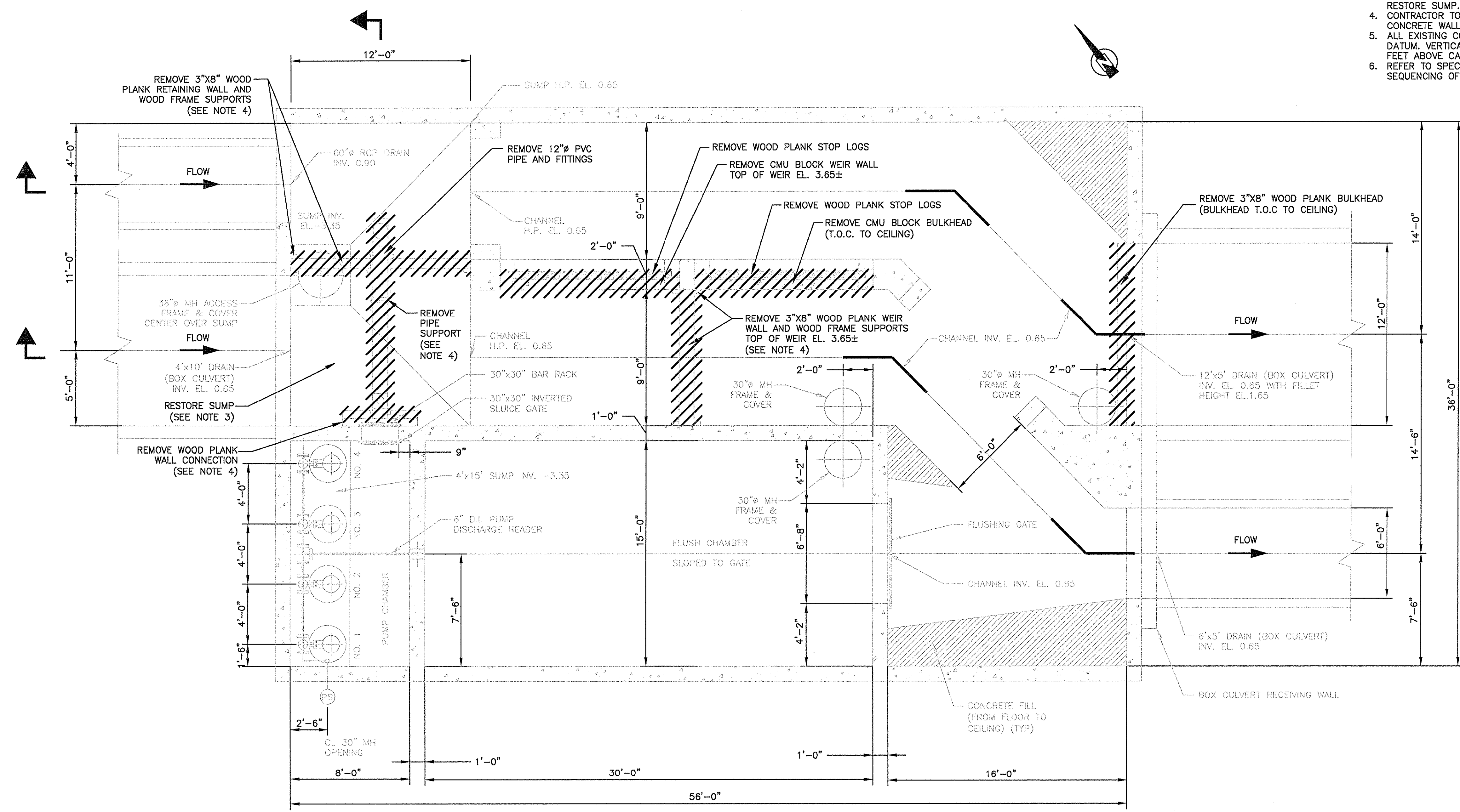
Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL HYDRAULIC MODIFICATIONS AREA I

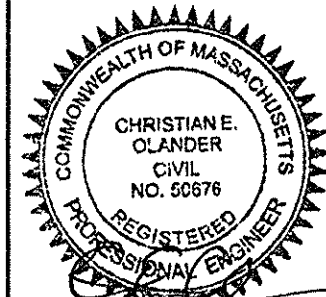
Sheet	C-32
File No.	

- NOTES:
1. DRAIN VAULT NO. 5 IS AN EXISTING PRECAST STRUCTURE. CONTRACTOR TO MODIFY STRUCTURE AS DESCRIBED HEREIN.
 2. SEE SHEET C-32 FOR SITE LOCATION OF EXISTING DRAIN VAULT.
 3. SUMP FILLED WITH SAND UP TO EL. 0.50 AND CAPPED WITH LEAN CONCRETE TO EL. 0.65 (FLUSH WITH CHANNEL). CONTRACTOR TO REMOVE CONCRETE CAP AND SAND AND RESTORE SUMP.
 4. CONTRACTOR TO CUT ALL STEEL ANCHOR BOLTS FLUSH WITH CONCRETE WALL.
 5. ALL EXISTING CONDITION ELEVATIONS ARE DEPICTED IN NGVD 29 DATUM. VERTICAL DATUM NGVD 29 IS APPROXIMATELY 10.84 FEET ABOVE CAMBRIDGE CITY BASE DATUM.
 6. REFER TO SPECIFICATION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF WORK SHOWN ON THIS SHEET.

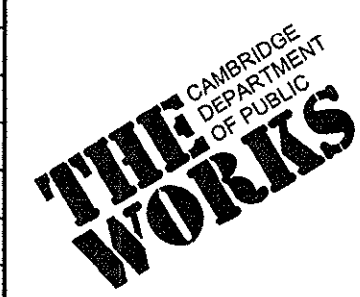


DRAIN VAULT NO. 5 - PLAN
 SLAB EL. -0.35 (EXCEPT PUMP CHAMBER)
 NOTE: TOP OF ROOF SLAB EL. 7.65±

PLOTTED: 1/28/2014 2:28 PM BY: rick.tibb
 LAYOUT: C-33
 CAD FILE: C:\pwworking\101280900\CAD\C33\C33.dwg



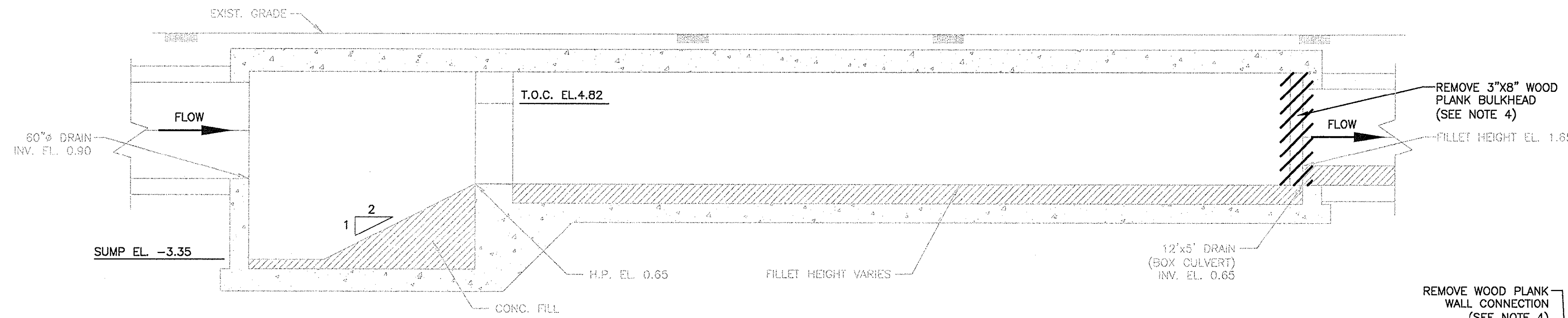
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Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	ZSH
Drawn by	NFT
Checked by	AML
Approved by	EO



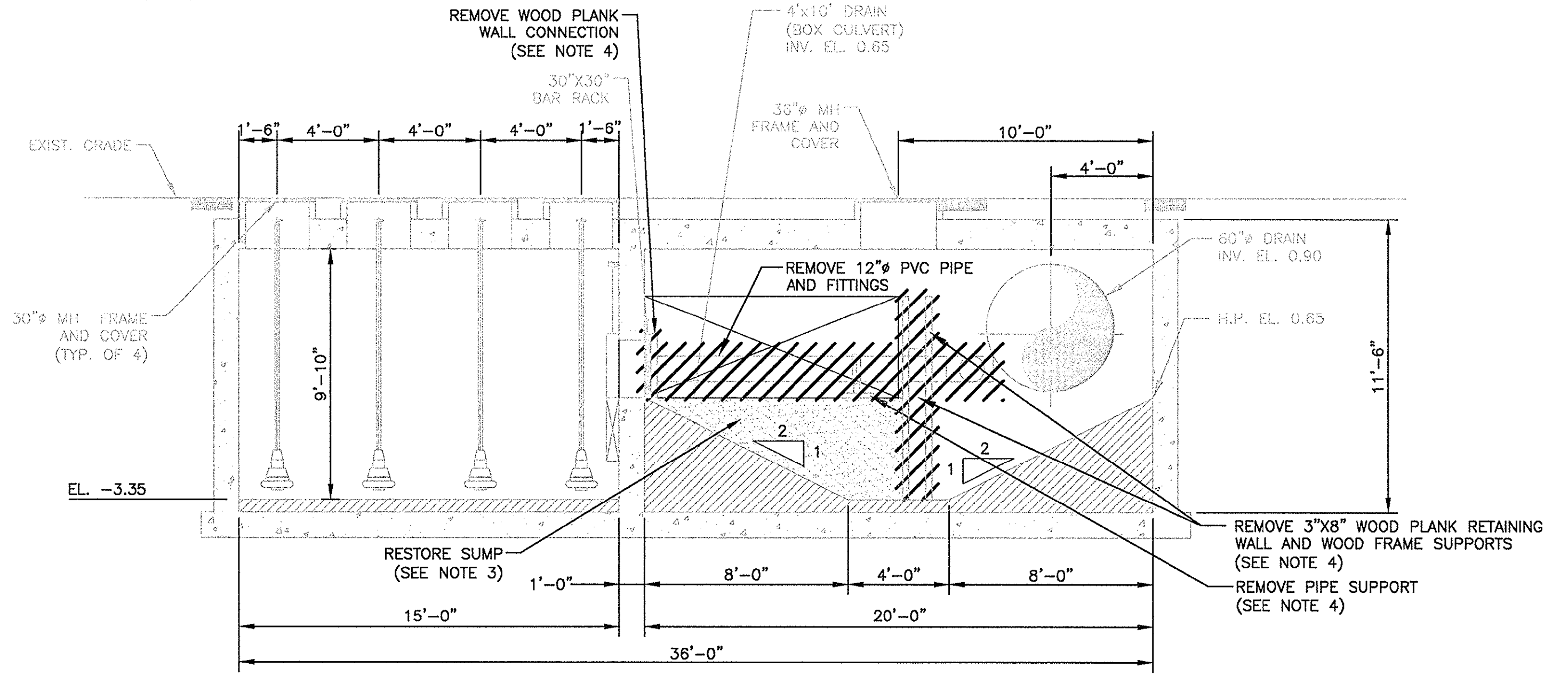
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL DRAIN VAULT NO. 5 MODIFICATION - PLAN

CONFORMED SET

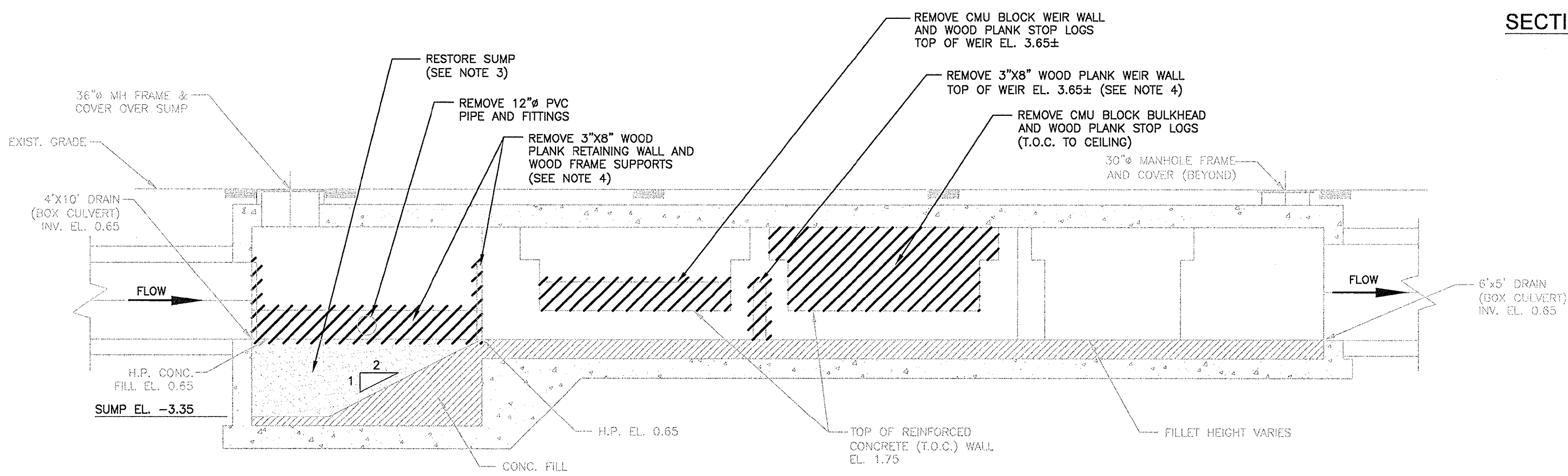
Sheet	C-33
File No.	



SECTION 1
C-33



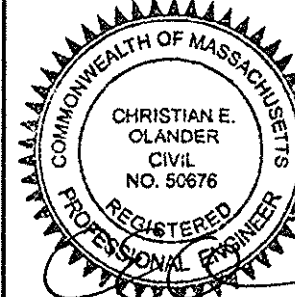
SECTION 3
C-33



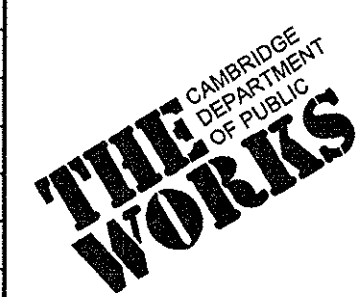
SECTION 2
C-33

- NOTES:
1. DRAIN VAULT NO. 5 IS AN EXISTING STRUCTURE. CONTRACTOR TO MODIFY STRUCTURE AS DESCRIBED HEREIN.
 2. SEE SHEET C-32 FOR SITE LOCATION OF EXISTING DRAIN VAULT.
 3. SUMP FILLED WITH SAND UP TO EL. 0.50 AND CAPPED WITH LEAN CONCRETE TO EL. 0.65 (FLUSH WITH CHANNEL). CONTRACTOR TO REMOVE CONCRETE CAP AND SAND AND RESTORE SUMP.
 4. CONTRACTOR TO CUT ALL STEEL ANCHOR BOLTS FLUSH WITH CONCRETE WALL.
 5. ALL EXISTING CONDITION ELEVATIONS ARE DEPICTED IN NGVD 29 DATUM. VERTICAL DATUM NGVD 29 IS APPROXIMATELY 10.84 FEET ABOVE CAMBRIDGE CITY BASE DATUM.
 6. REFER TO SPECIFICATION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF WORK SHOWN ON THIS SHEET.

CONFORMED SET



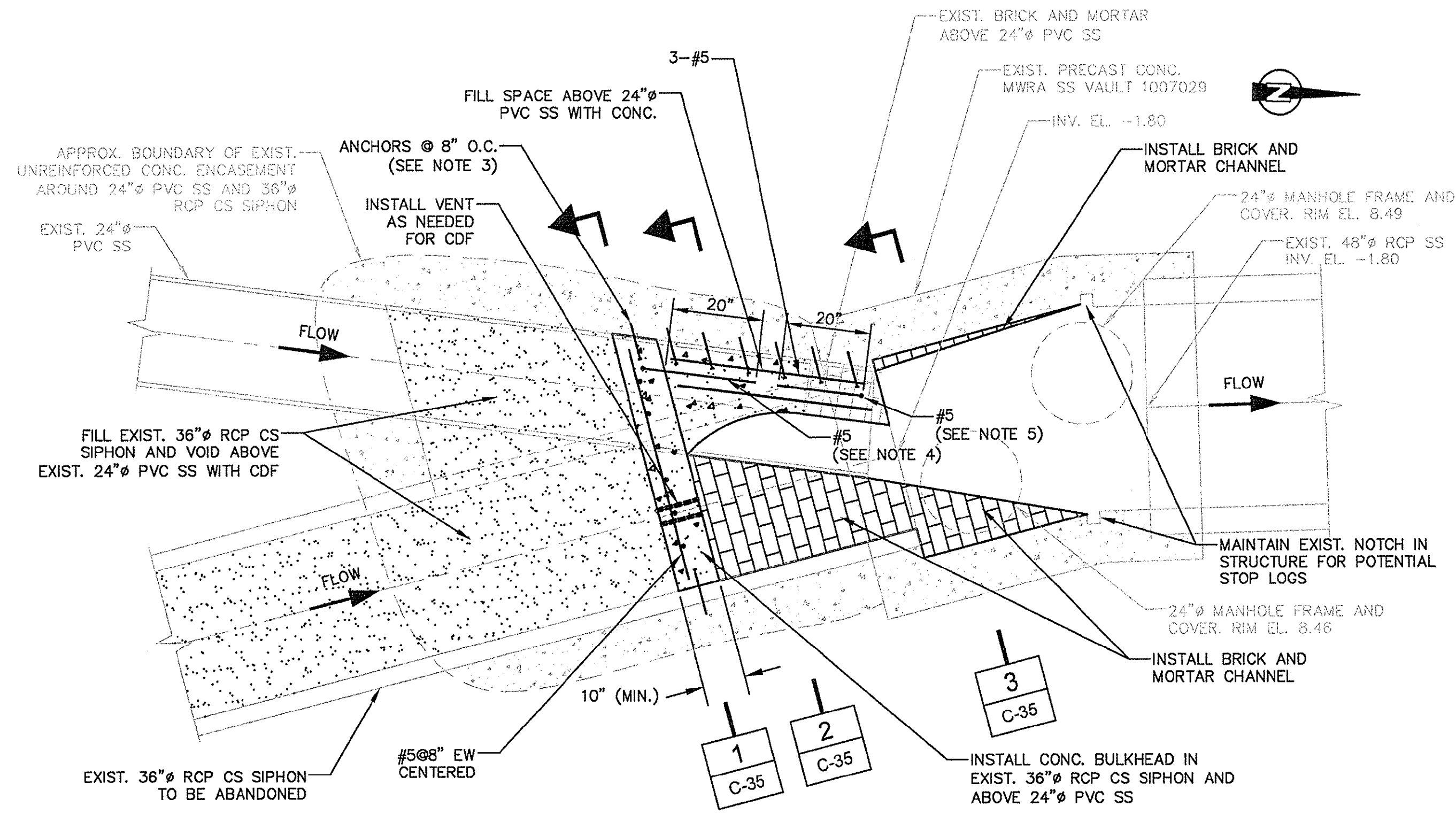
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Date	JANUARY 27, 2014		
Job No.	20120255.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date



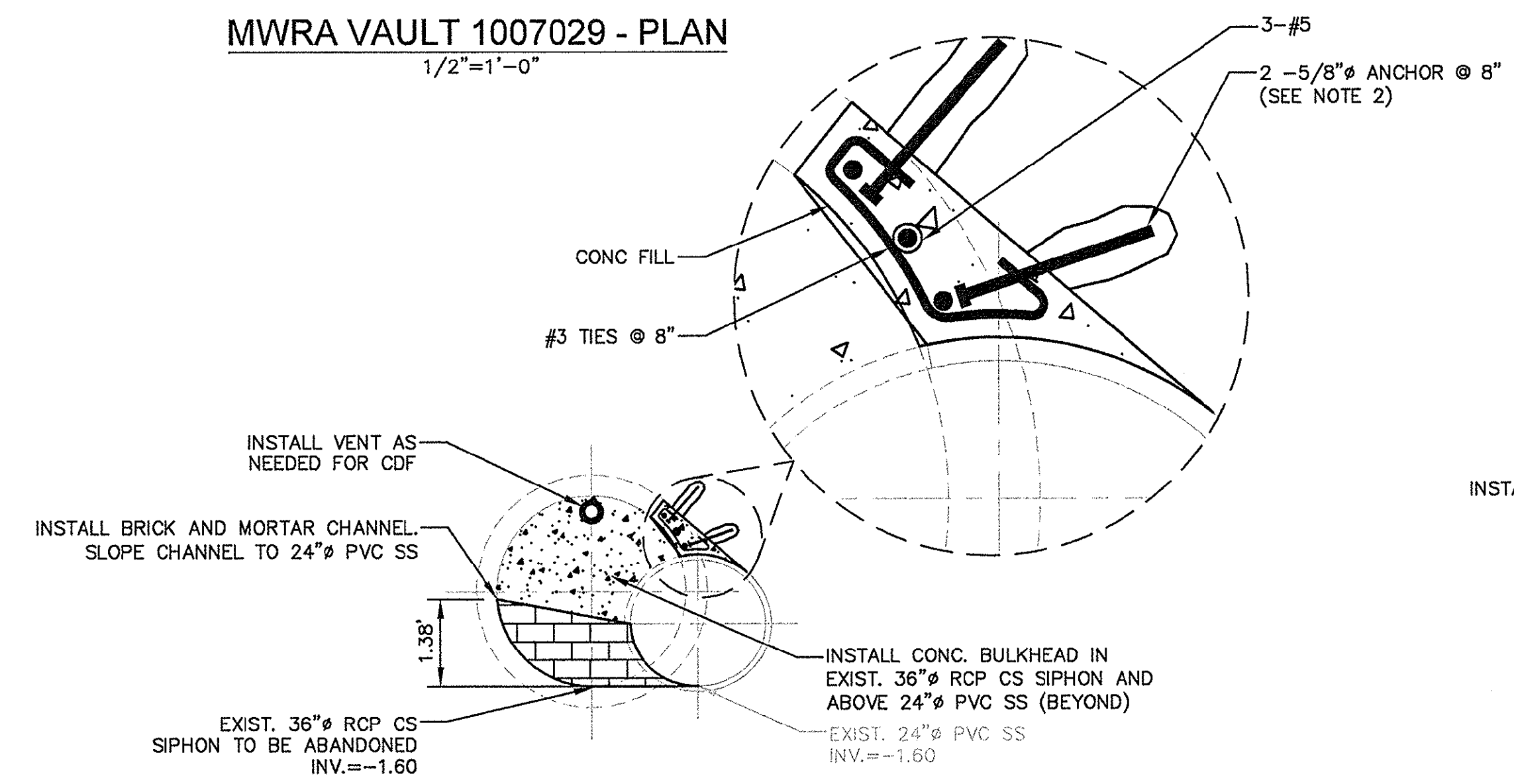
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL DRAIN VAULT NO.5 MODIFICATION - SECTIONS

Sheet	C-34
File No.	

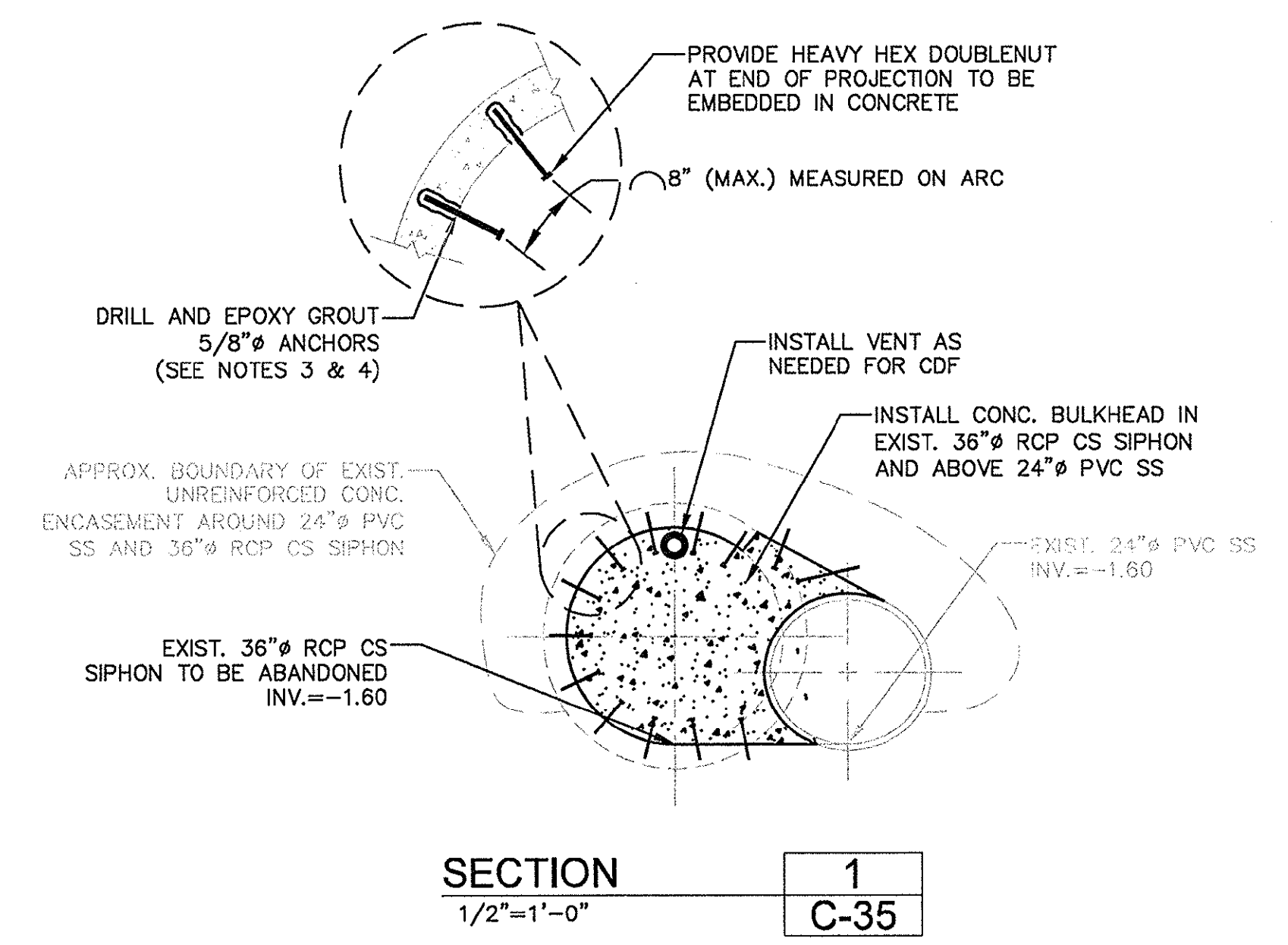
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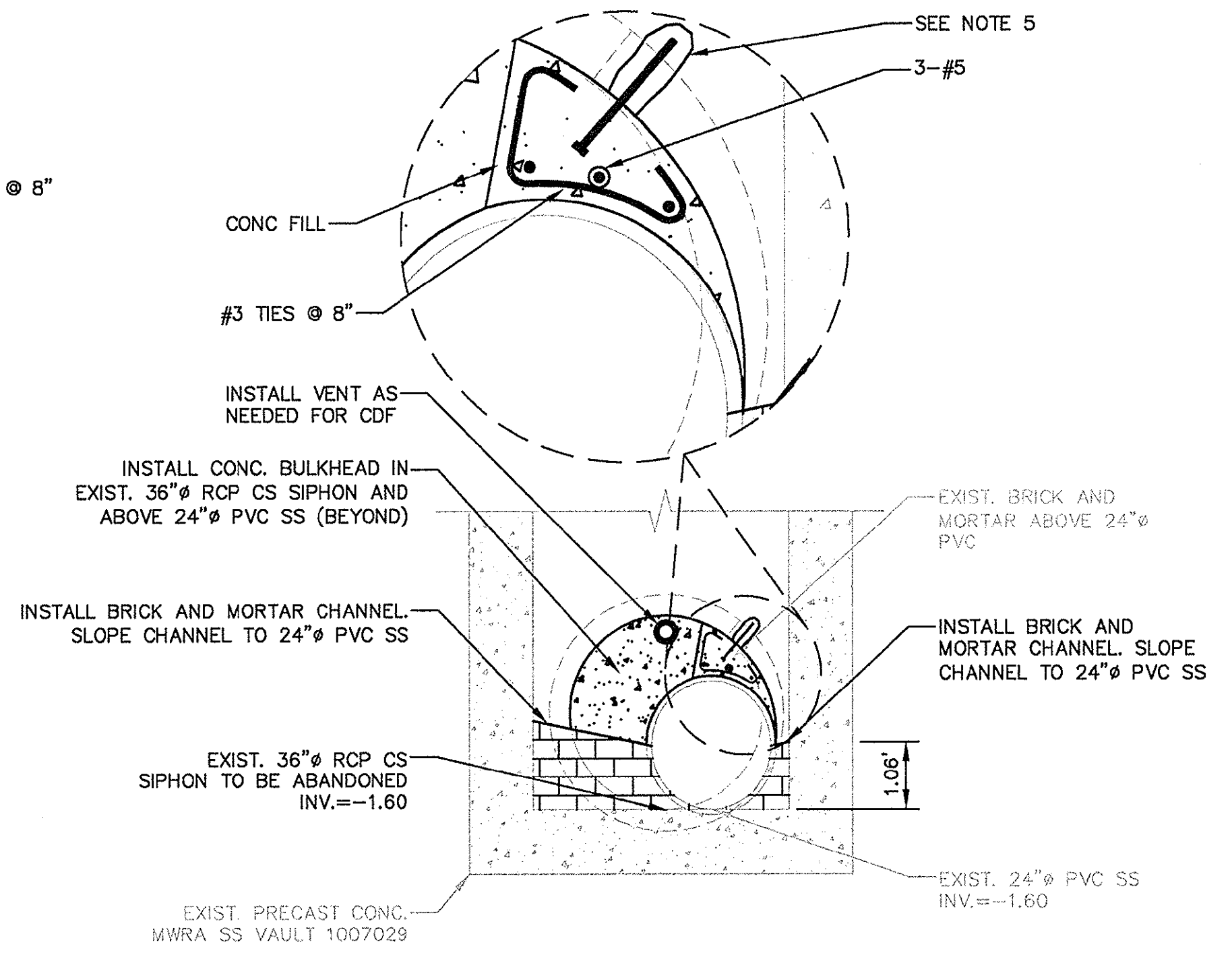
MWRA VAULT 1007029 - PLAN
1/2"=1'-0"



SECTION 2
1/2"=1'-0"
C-35

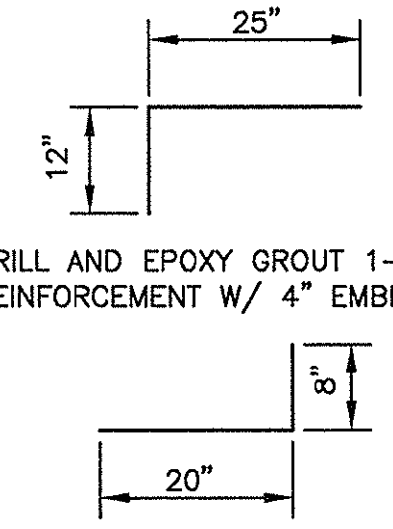


SECTION 1
1/2"=1'-0"
C-35



SECTION 3
1/2"=1'-0"
C-35

- NOTES:**
- MWRA VAULT 1007029 IS AN EXISTING STRUCTURE. CONTRACTOR TO MODIFY STRUCTURE AS DESCRIBED HEREIN.
 - SEE SHEET C-32 FOR SITE PLAN OF EXISTING 36" RCP CS SIPHON TO BE ABANDONED.
 - ANCHOR SHALL BE HILTI HIT-RE 500 SD WITH 3" EMBEDMENT (MIN.). PROVIDE HAS-E ROD WITH 4" PROJECTION (MIN.).
 - PROVIDE 1-#5 REINFORCEMENT HOOKED INTO BULKHEAD.



- DRILL AND EPOXY GROUT 1-#5 BENT REINFORCEMENT W/ 4" EMBEDMENT.

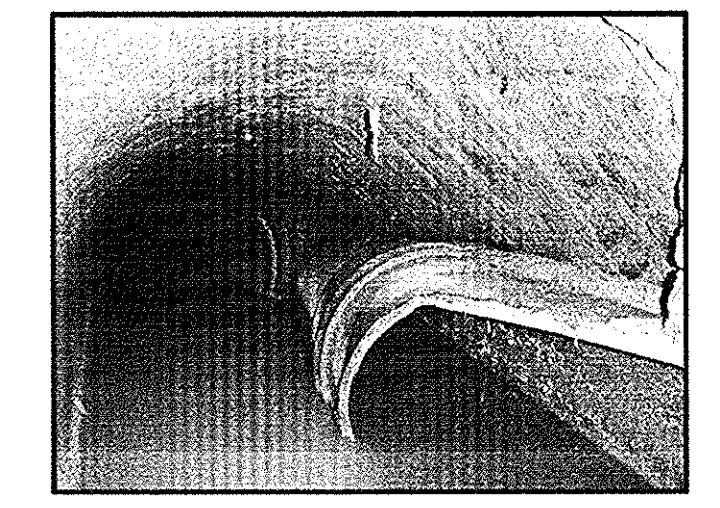


PHOTO 1
(EXIST. CONNECTION OF 36" RCP SIPHON AND 24" PVC SS IN MWRA VAULT 1007029)

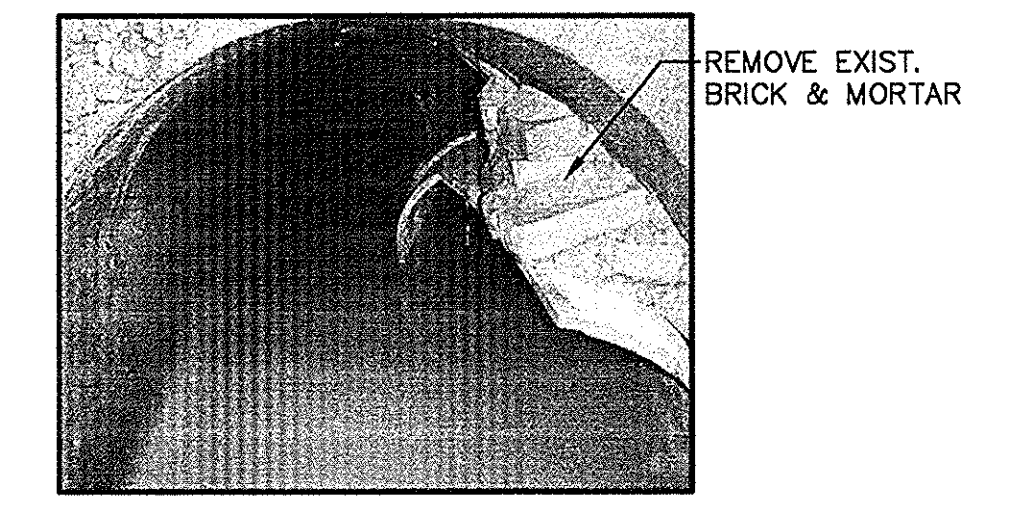
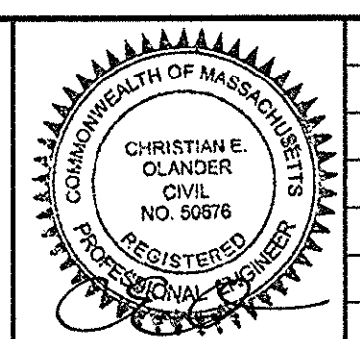
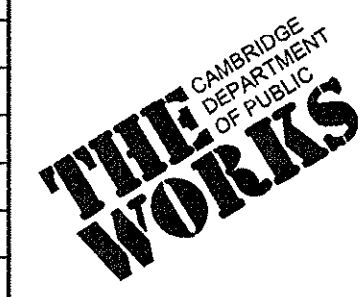


PHOTO 2
(EXIST. CONNECTION OF 36" RCP SIPHON AND 24" PVC SS IN MWRA VAULT 1007029)

CONFORMED SET



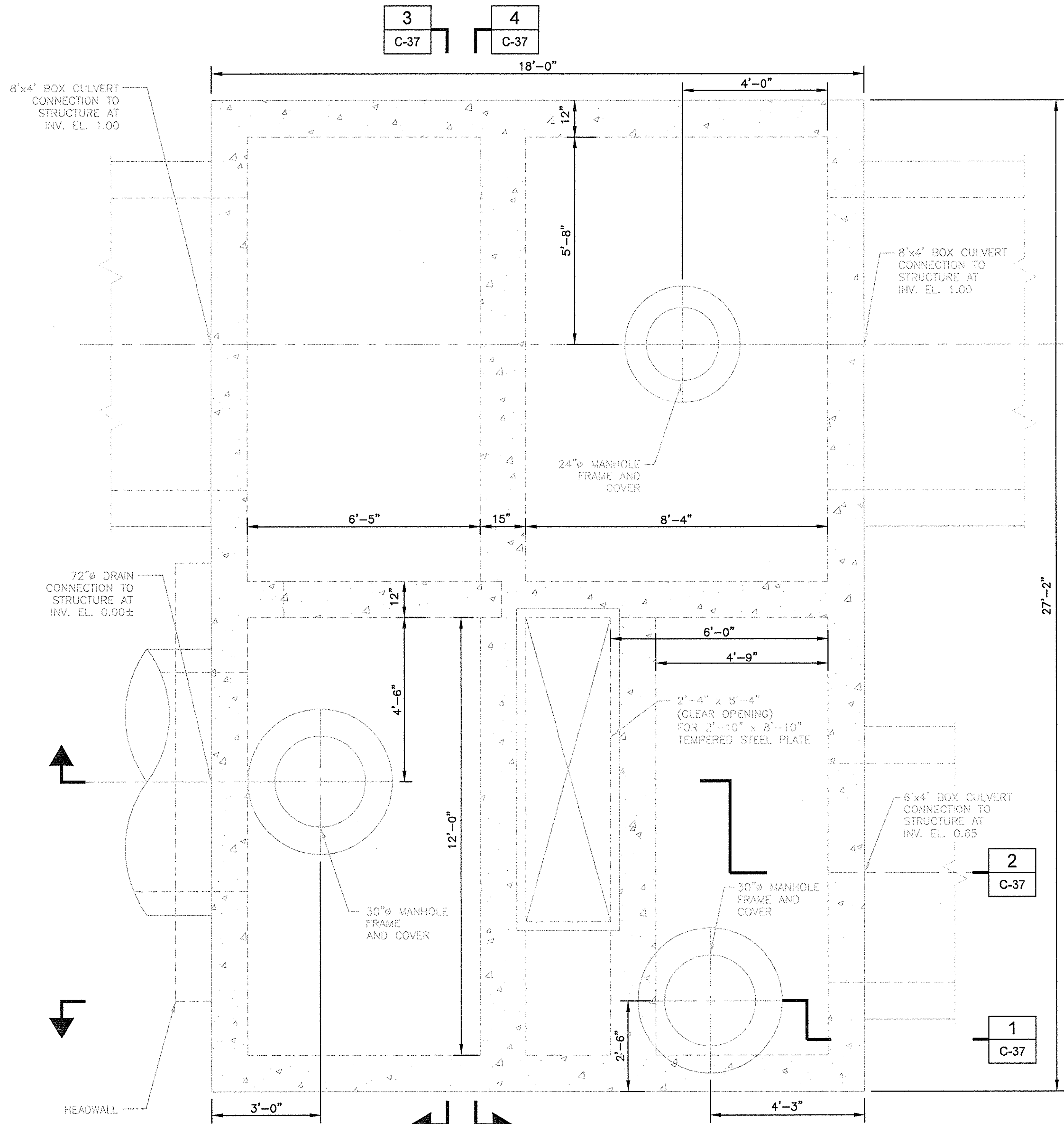
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Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		REVISIONS



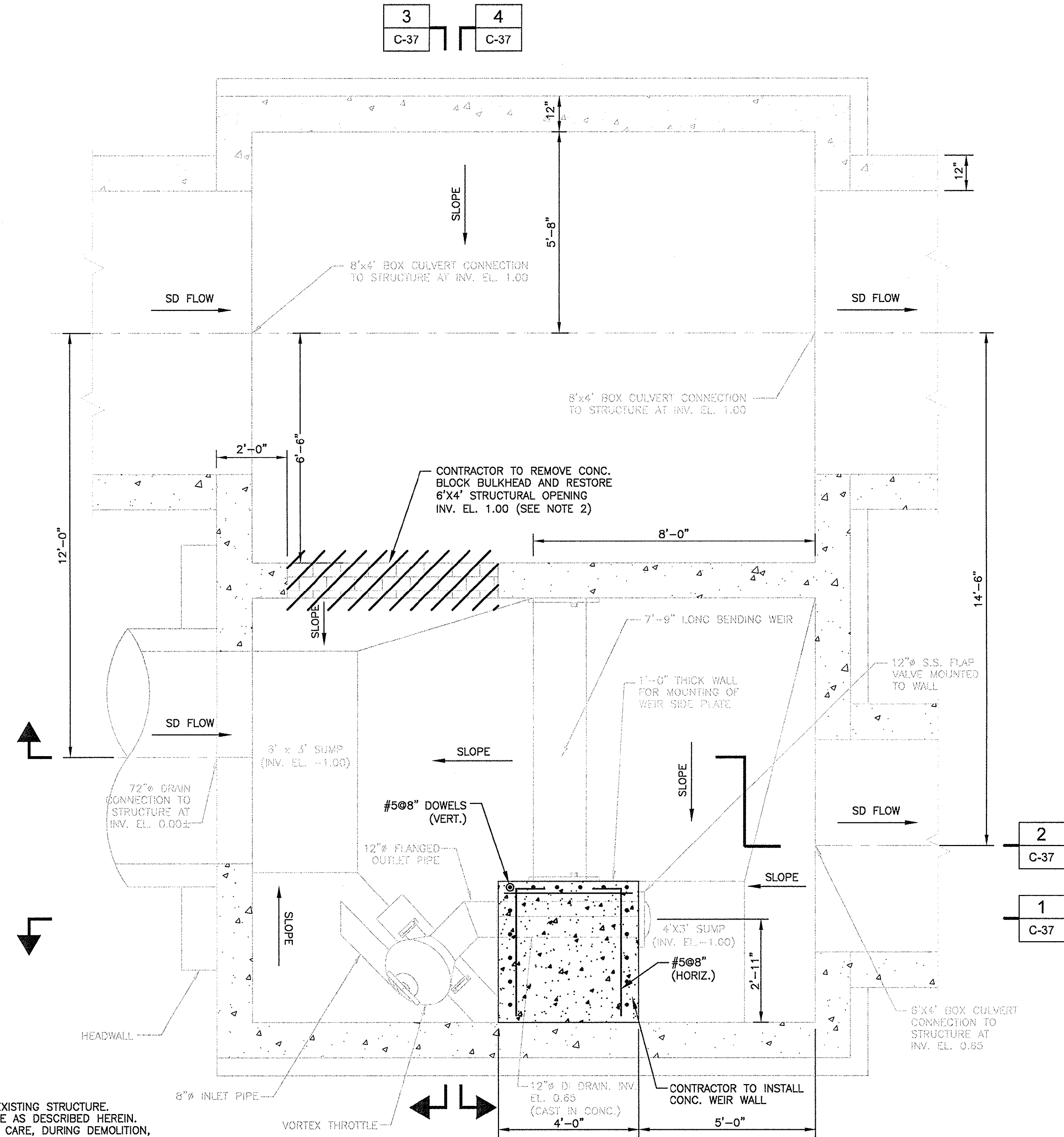
Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL WHEELER ST MWRA VAULT MODIFICATIONS

Sheet	C-35
File No.	

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 CAD FILE: C:\pwworking\128665028\CAD\C35.dwg LAYOUT: C-35



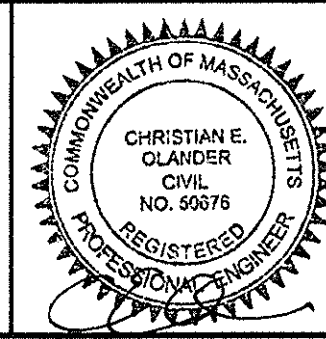
BENDING WEIR STRUCTURE ROOF SLAB PLAN
1/2"=1'-0"



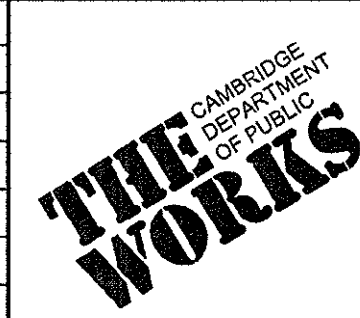
BENDING WEIR STRUCTURE BASE SLAB PLAN
1/2"=1'-0"

- NOTES:**
1. BENDING WEIR STRUCTURE IS AN EXISTING STRUCTURE. CONTRACTOR TO MODIFY STRUCTURE AS DESCRIBED HEREIN.
 2. CONTRACTOR SHALL EXERCISE DUE CARE, DURING DEMOLITION, SO AS NOT TO DAMAGE ANY PART OR COMPONENT OF EXISTING CONSTRUCTION THAT BECOMES INCORPORATED INTO THE FINAL STRUCTURE.
 3. ALL EXISTING CONDITION ELEVATIONS ARE DEPICTED IN NGVD 29 DATUM. VERTICAL DATUM NGVD 29 IS APPROXIMATELY 10.84 FEET ABOVE CAMBRIDGE CITY BASE DATUM.
 4. REFER TO SPECIFICATION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF WORK SHOWN ON THIS SHEET.

PLOTTED: 1/22/2014 2:28 PM BY: net:lin
 CAD FILE: C:\mwh\k1012806\CONR_C36-37.dwg LAYOUT: C-36



Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date
			REVISIONS

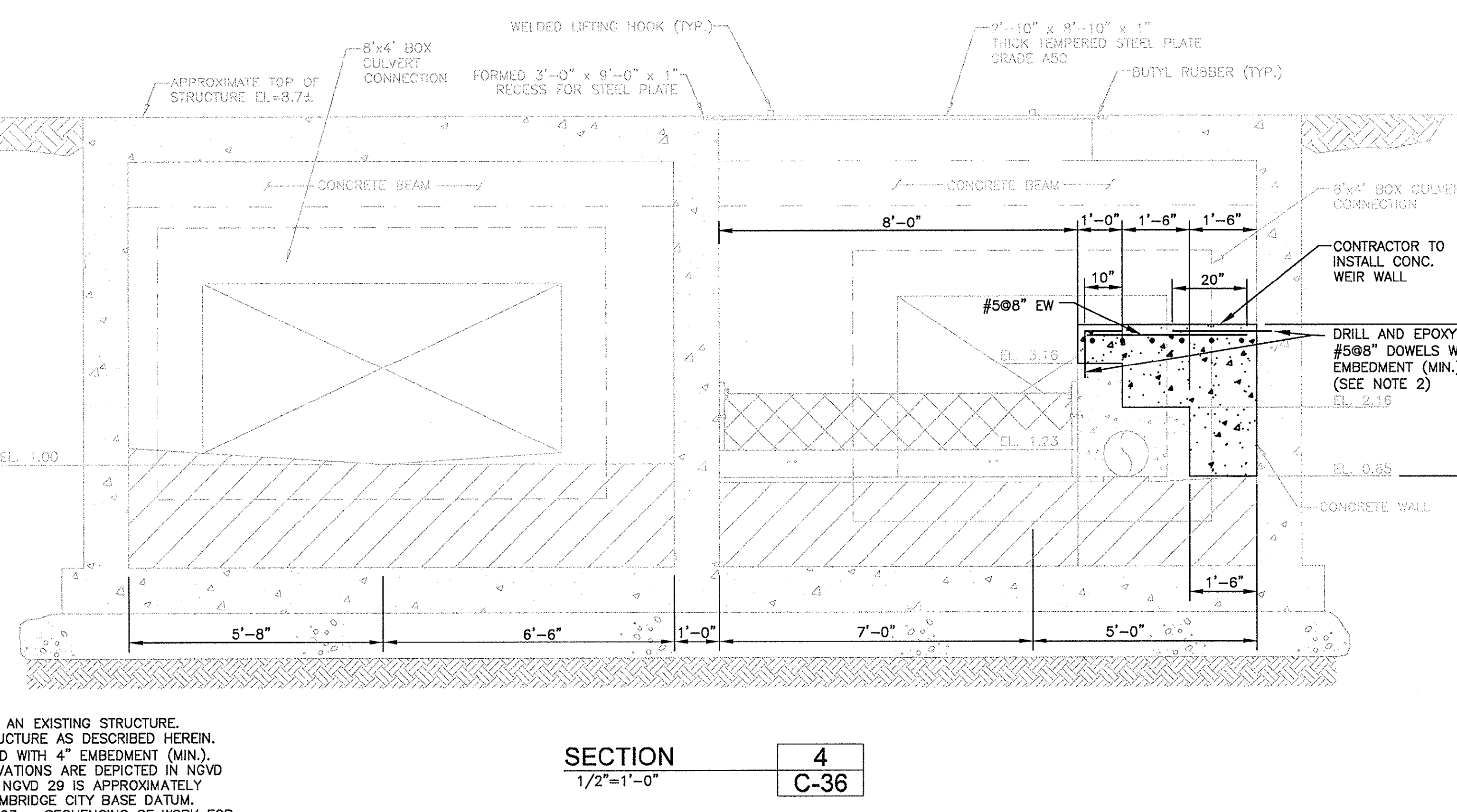
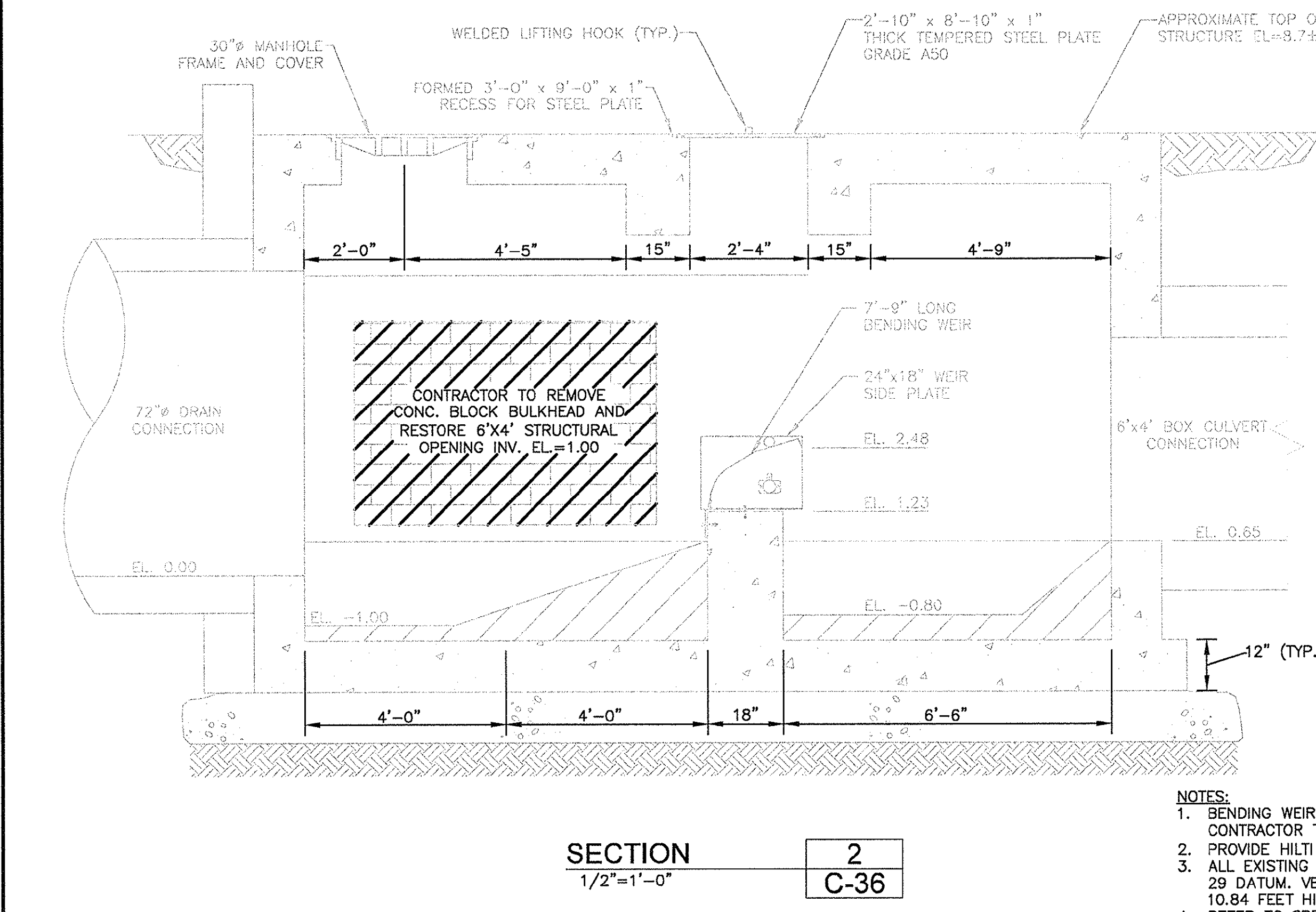
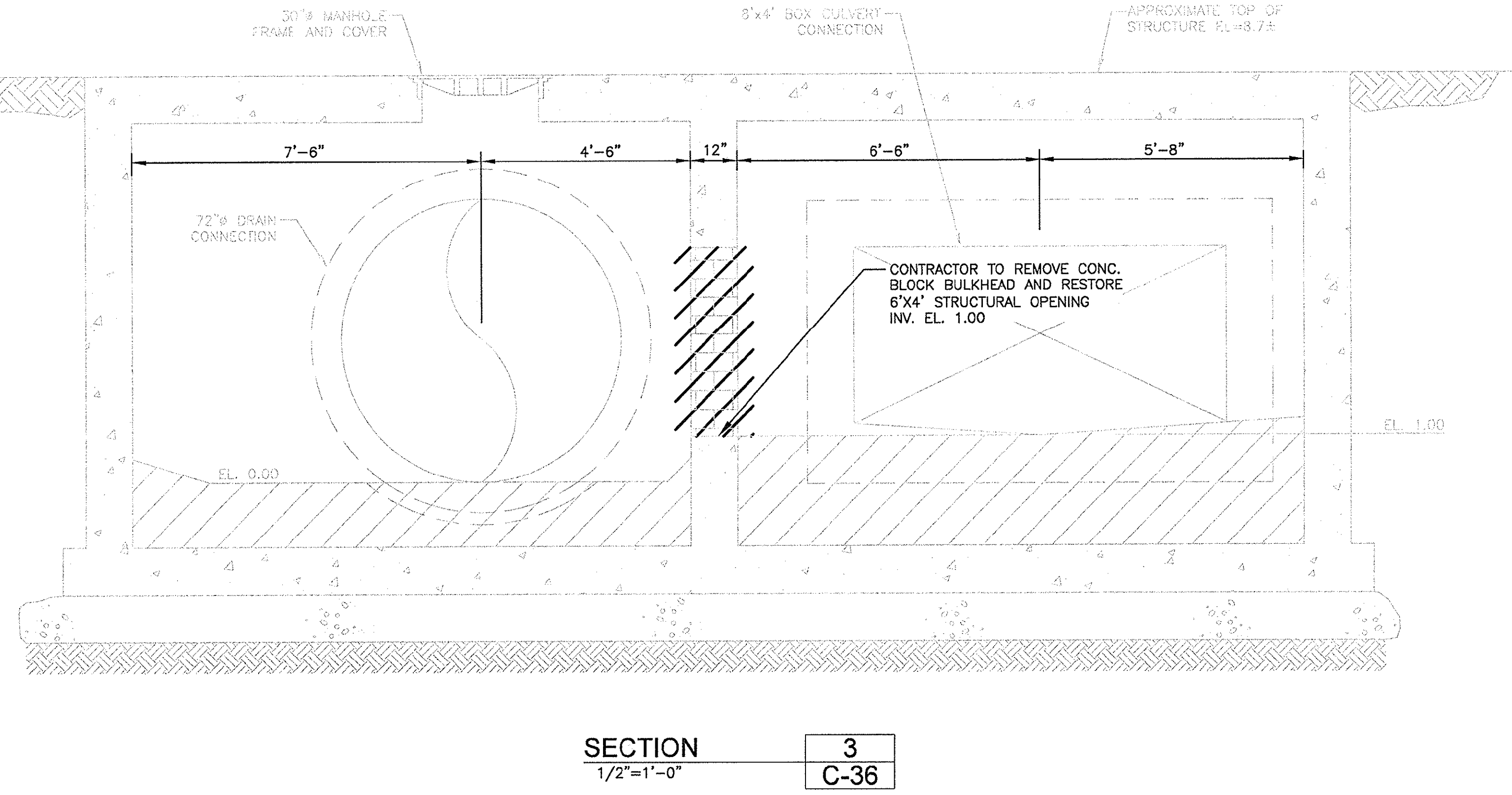
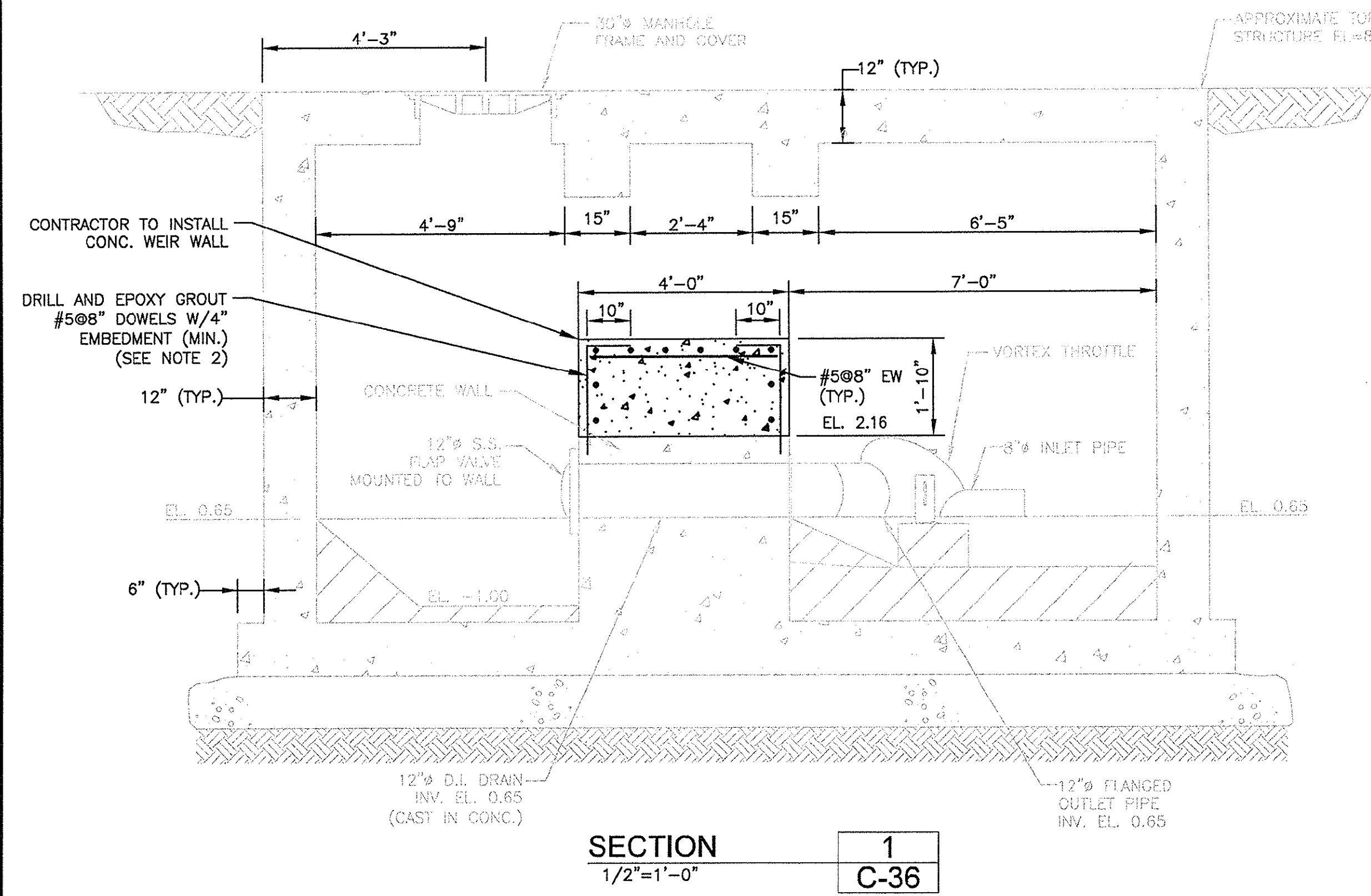


Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL HYDRAULIC MODIFICATIONS AREA II - PLAN

Sheet	C-36
File No.	

CONFORMED SET

PLOTTED: 12/2/2014 4:28 PM BY: rock.huo
 CAD FILE: C:\www\mfr\1012896\CON9_C36-37.dwg LAYOUT: C-37



- NOTES:**
- BENDING WEIR STRUCTURE IS AN EXISTING STRUCTURE. CONTRACTOR TO MODIFY STRUCTURE AS DESCRIBED HEREIN.
 - PROVIDE HILTI HIT-RE 500 SD WITH 4" EMBEDMENT (MIN.).
 - ALL EXISTING CONDITION ELEVATIONS ARE DEPICTED IN NGVD 29 DATUM. VERTICAL DATUM NGVD 29 IS APPROXIMATELY 10.84 FEET HIGHER THAN CAMBRIDGE CITY BASE DATUM.
 - REFER TO SPECIFICATION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF WORK SHOWN ON THIS SHEET.

CONFORMED SET



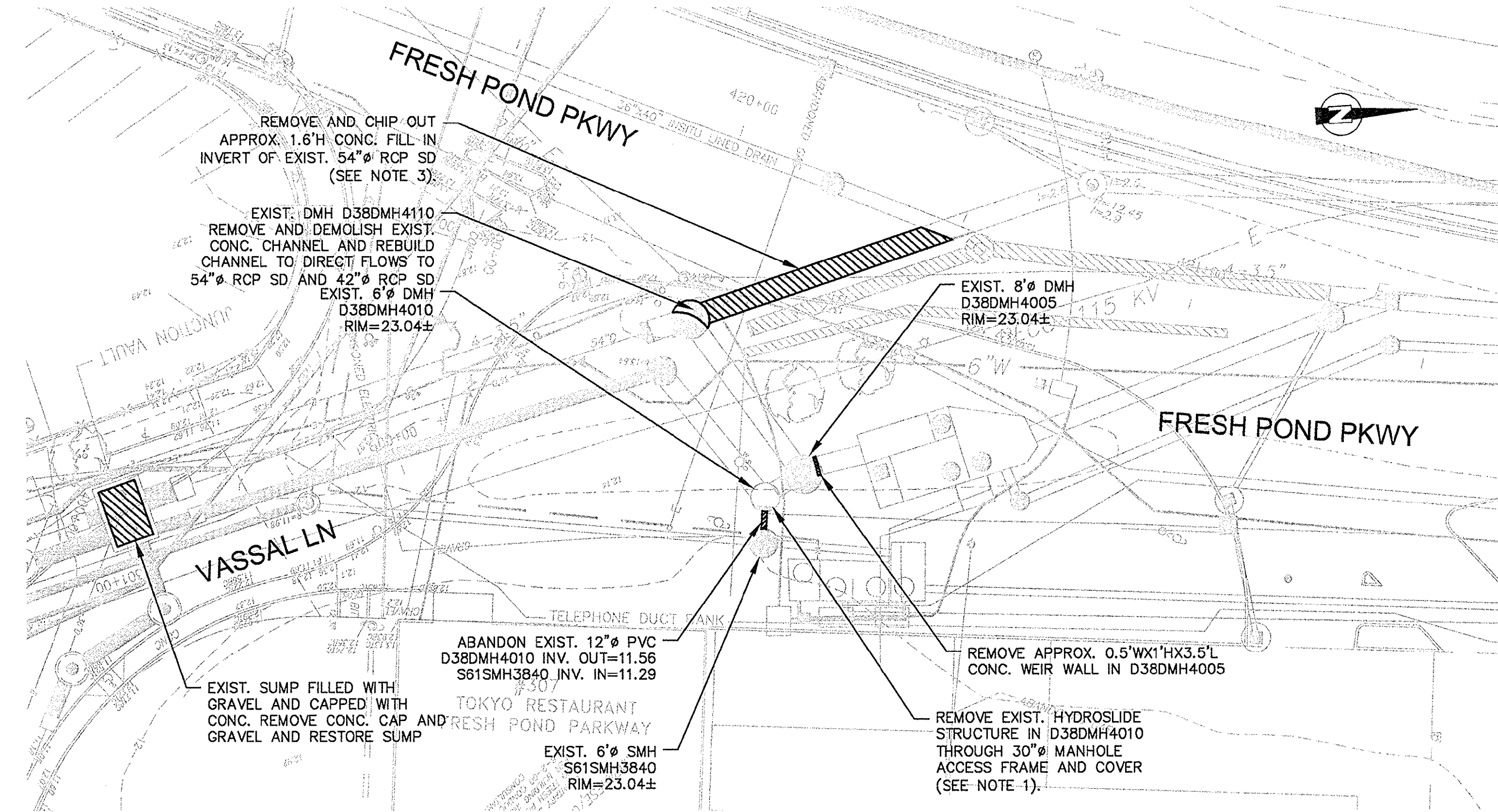
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Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date
			REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL HYDRAULIC MODIFICATIONS AREA II - SECTIONS

Sheet	C-37
File No.	

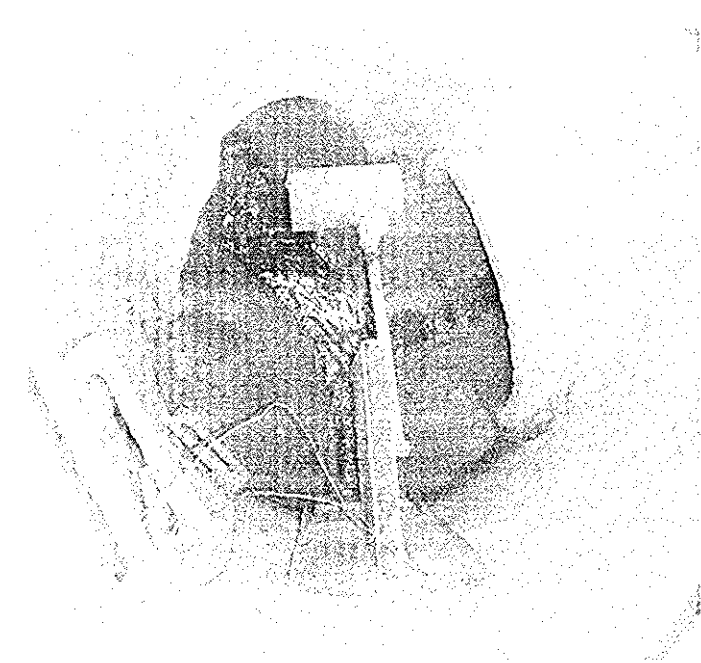
- NOTES:**
- CONTRACTOR TO DISASSEMBLE HYDROSLIDE AND REMOVE THROUGH 30"Ø ACCESS FRAME AND COVER WITHOUT DAMAGE AND RETURN ASSEMBLED HYDROSLIDE AND ALL HARDWARE TO CAMBRIDGE DPW FOR FUTURE USE. CONTRACTOR TO CUT ALL STEEL ANCHOR BOLTS FLUSH WITH CONCRETE WALL.
 - SUSPECT 1.6'H CONC. FILL IN 54"Ø RCP DRAIN IS LOW STRENGTH CONCRETE. CONTRACTOR TO TEST FILL AND REPORT RESULTS TO ENGINEER PRIOR TO REMOVAL.
 - REFER TO SPECIFICATION 01063 - SEQUENCING OF WORK FOR SEQUENCING OF WORK SHOWN ON THIS SHEET.



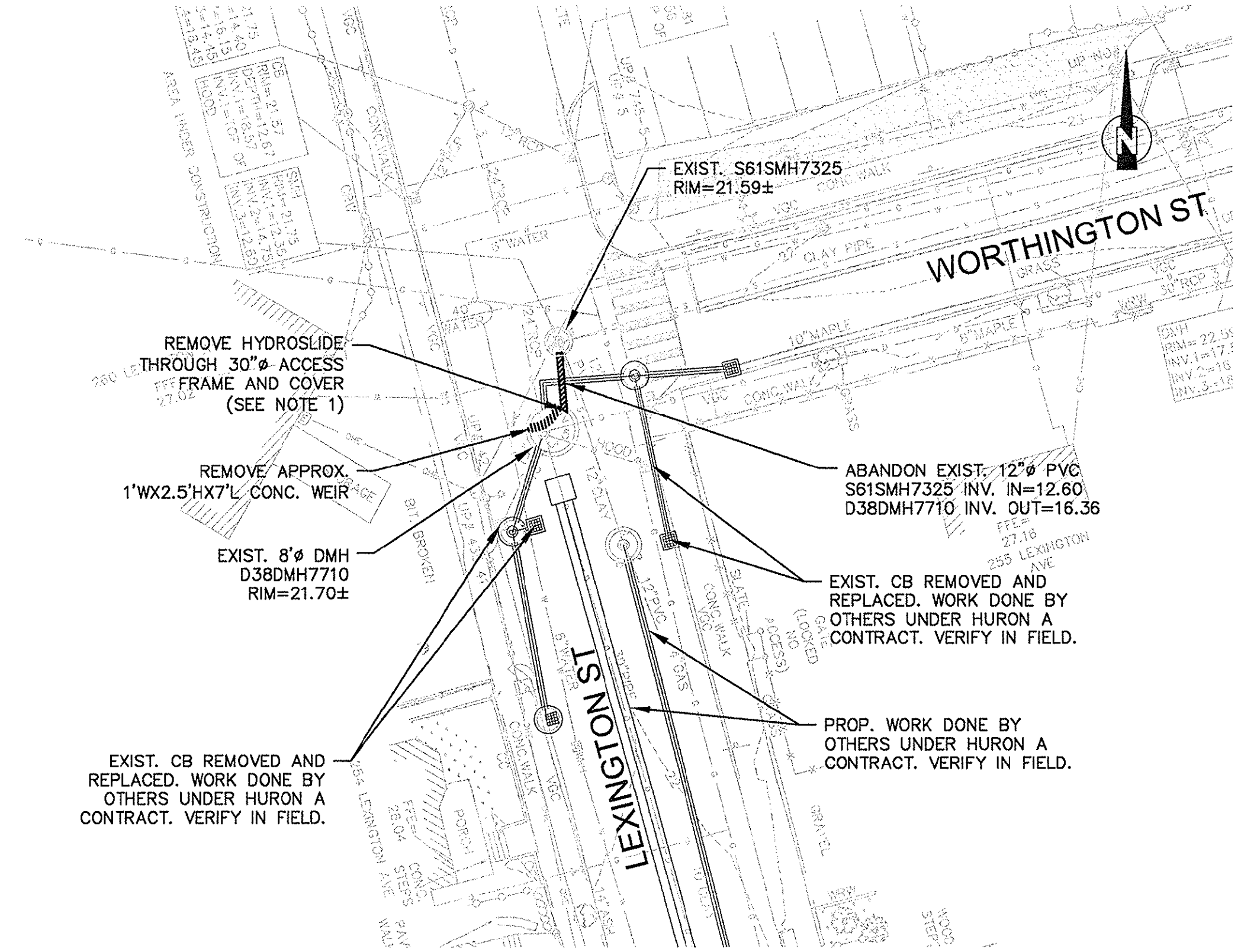
HYDRAULIC MODIFICATIONS AREA III

PLAN

SCALE: 1"=20'



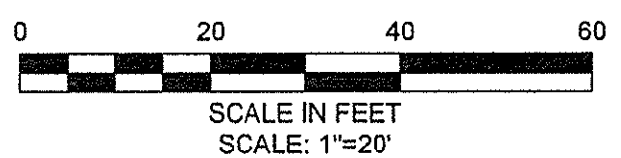
PLAN PHOTO
TYPICAL HYDROSLIDE



HYDRAULIC MODIFICATIONS AREA IV

PLAN

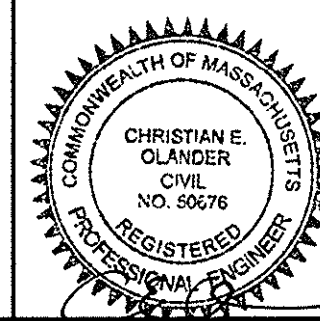
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CONFORMED SET

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Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	ZSH		
Drawn by	NFT		
Checked by	AML	No.	Description
Approved by	EO		Date
REVISIONS			



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	CIVIL HYDRAULIC MODIFICATIONS AREA III & IV

Sheet	C-38
File No.	