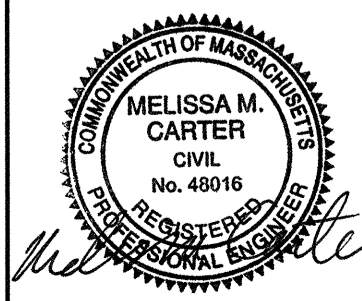
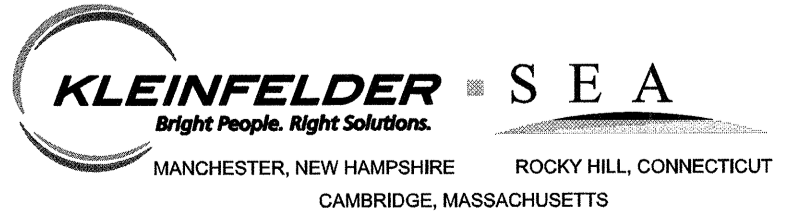


**CIVIL INFLOW REMOVAL SHEET INDEX:**

KEYPLAN (SHEET CP-1)	
LEGEND & GENERAL NOTES (SHEET CP-2)	
PLAN NO. 1 (SHEET CP-3)	204 LARCH ROAD
	192 LARCH ROAD
	186-188 LARCH ROAD
	183 LARCH ROAD
	171 LARCH ROAD
	170 LARCH ROAD
PLAN NO. 2 (SHEET CP-4)	90-92 GROZIER ROAD
	62-64 GROZIER ROAD
	50-52 GROZIER ROAD
	25-27 GROZIER ROAD
	252 LEXINGTON AVENUE
	244 LEXINGTON AVENUE
	243-245 LEXINGTON AVENUE
	235 LEXINGTON AVENUE
PLAN NO. 3 (SHEET CP-5)	231-233 LEXINGTON AVENUE
	223-225 LEXINGTON AVENUE
	219-221 LEXINGTON AVENUE
	211-213 LEXINGTON AVENUE
	207 LEXINGTON AVENUE
	197-199 LEXINGTON AVENUE
PLAN NO. 4 (SHEET CP-6)	194-196 LEXINGTON AVENUE
	190 LEXINGTON AVENUE
	434 HURON AVENUE
	155-157 LEXINGTON AVENUE
PLAN NO. 5 (SHEET CP-7)	9-11 HAWTHORNE PARK
	249 LAKEVIEW AVENUE
	242 LAKEVIEW AVENUE
	225-227 LAKEVIEW AVENUE
	201 LAKEVIEW AVENUE
	197 LAKEVIEW AVENUE
	162 LAKEVIEW AVENUE
	160 LAKEVIEW AVENUE
	148-150 LAKEVIEW AVENUE
	145 LAKEVIEW AVENUE
PLAN NO. 6 (SHEET CP-8)	112-112A LAKEVIEW AVENUE
	3 MALCOLM ROAD
	196 VASSAL LANE
	188 VASSAL LANE
	90 STANDISH STREET
	72-74 STANDISH STREET
	71-73 STANDISH STREET
	68 STANDISH STREET
	65 STANDISH STREET
	64 STANDISH STREET
57 STANDISH STREET	
PLAN NO. 7 (SHEET CP-8)	53 STANDISH STREET
	45-47 STANDISH STREET
	56 STANDISH STREET
	52 STANDISH STREET
	13-15 STANDISH STREET
	6 STANDISH STREET
	127 FRESH POND PARKWAY
	123 FRESH POND PARKWAY
	117-119 FRESH POND PARKWAY
	115 FRESH POND PARKWAY
10 POPLAR ROAD	
8 POPLAR ROAD	

**KEYPLAN**  
SCALE: 1"=100'

CONFORMED SET





Scale	AS SHOWN			
Date	SEPTEMBER 2012			
Job No.	1010691			
Designed by	AMF			
Drawn by	ZSH			
Checked by	HED	No.	Description	Date
Approved by	MMC		REVISIONS	



CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet No.
HURON A SEWER SEPARATION PROJECT	CP-1
CONTRACT NO. 8A	File No.
CIVIL - INFLOW REMOVAL KEY PLAN	

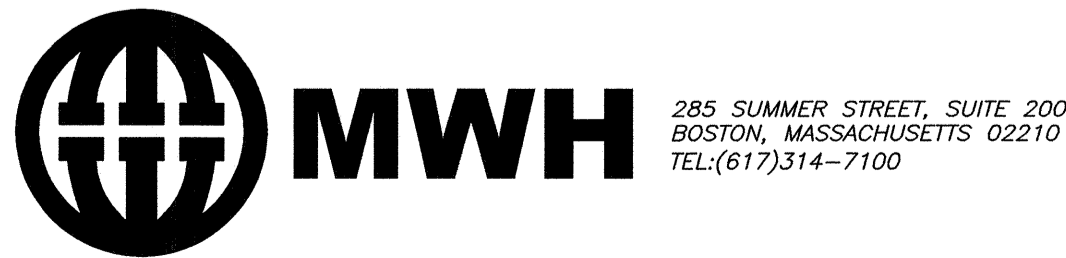
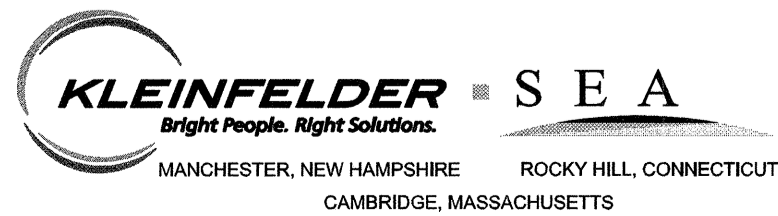


ABBREVIATIONS		EXISTING LEGEND		PROPOSED LEGEND	
APPROX	APPROXIMATE	DOWNSPOUT - TO FOUNDATION	○ F	BUILDING LATERAL EXTENSION (EXTERIOR DRAIN)	—————
BLDG	BUILDING	DOWNSPOUT - DIVERTED FROM FOUNDATION TO SURFACE	○ F/S	BUILDING DRAIN PIPE (INTERIOR DRAIN)	-----
BWV	BACKWATER VALVE	DOWNSPOUT - TO GROUND	○ G	SEWER LATERAL (PUBLIC)	— · — · —
CO	CLEANOUT	DOWNSPOUT - DIVERTED FROM GROUND TO SURFACE	○ G/S	DRAIN LATERAL (PUBLIC)	— · — · —
DI	DUCTILE IRON	DOWNSPOUT - TO SURFACE	○ S	RESTORATION OF WALKWAY OR DRIVEWAY DISTURBED	
DS	DOWNSPOUT	DOWNSPOUT - OPEN ELBOW INTO FOUNDATION	○ OE	CAPPED PIPE	⌊
ELEC	ELECTRICAL PANEL	WATER METER	∅ WM	DRY WELL	○
EXIST	EXISTING	GAS METER	∅ GM		
F	FOUNDATION	ELECTRIC METER	∅ EM		
F&C	FRAME AND COVER	DRY WELL			
FD	FLOOR DRAIN				
G	GROUND				
GM	GAS METER				
OE	OPEN ELBOW				
PE	POLYETHYLENE				
PROP	PROPOSED				
PVC	POLYVINYL CHLORIDE				
RC OR RCP	REINFORCED CONCRETE PIPE				
R&D	REMOVE AND LEGALLY DISPOSE OF				
RD	ROOF DRAIN				
RL	ROOF LEADER				
R&R	REMOVE AND REUSE				
SP	SUMP PUMP				
WG	WATER GATE				
WM	WATER METER				

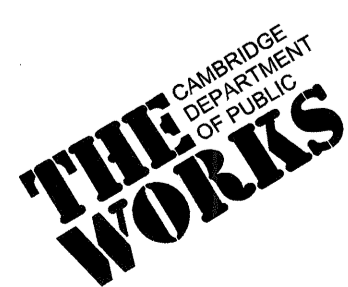
**GENERAL NOTES:**

- CONTRACTOR SHALL NOT ENTER A PRIVATE PROPERTY UNTIL A WRITTEN AGREEMENT HAS BEEN SIGNED BETWEEN THE CONTRACTOR, BUILDING OWNER, AND OWNER. REFER TO SPECIFICATION SECTION 02534 FOR REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE A LICENSED PLUMBER TO PERFORM BUILDING INFLOW REMOVAL WORK GOVERNED BY 248 CMR 10.00: UNIFORM STATE PLUMBING CODE. CONTRACTOR SHALL PROVIDE ALL COUPLINGS, FITTINGS, BACKWATER VALVES AND CLEANOUTS AS REQUIRED BY 248 CMR 10.00.
- ALL EXISTING SEWER SERVICES SHALL REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PREPARE A CONSTRUCTION SEQUENCE PLAN TO ENSURE THAT ALL SEWER CUSTOMERS HAVE CONTINUOUS SEWER SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH BUILDING OWNERS AS NECESSARY TO COORDINATE CONSTRUCTION DURING LOW FLOW TIMES. CONTRACTOR IS RESPONSIBLE FOR ALL BYPASS PUMPING TO MAINTAIN CONTINUOUS SERVICE. CONTRACTOR SHALL SET UP BYPASS PUMPING PIPING TO ALLOW BUILDING OWNER ACCESS TO THEIR DRIVEWAYS. CONSTRUCTION SEQUENCE AND BYPASS PUMPING PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO ANY EXCAVATION.
- SEWER, DRAIN, AND OTHER SERVICE LOCATIONS ARE SHOWN AT APPROXIMATE LOCATIONS ON THE DRAWINGS BASED ON TELEVISION INSPECTION AND OWNER RECORDS. WHERE NO RECORDS WERE AVAILABLE, SERVICE LOCATIONS WERE APPROXIMATED. SEWER, DRAIN, AND OTHER SERVICE LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL INSTALL SEWER SERVICES (AS A MINIMUM) TO THE PROPERTY WHERE INDICATED. INACTIVE OR ABANDONED SERVICES SHALL BE CUT AND CAPPED.
- UTILITY WORK INFORMATION SHOWN WAS COMPILED ON FIELD SURVEY DATA AND RECORD INFORMATION. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN ESTABLISHED FROM SURFACE FEATURES OBSERVED DURING THE SURVEY. THE LOCATIONS OF UNDERGROUND STRUCTURES ARE APPROXIMATE ONLY AND MAY VARY FROM THE LOCATIONS SHOWN. ADDITIONAL UNDERGROUND UTILITIES AND/OR STRUCTURES MAY BE ENCOUNTERED.
- NOT ALL OF THE STORM, SANITARY, WATER, GAS, TELEPHONE, CABLE, ELECTRICAL SERVICES, AND OTHER OVERHEAD OR UNDERGROUND UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY WILL HAVE SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES, SIZE, MATERIAL, AND LOCATION OF EXISTING UTILITIES AND SERVICES IN PROJECT VICINITY SHALL BE VERIFIED OR DETERMINED BY THE CONTRACTOR. RECORD DRAWINGS PREPARED BY THE CONTRACTOR FOR THIS PROJECT SHALL INCLUDE THIS FIELD VERIFIED INFORMATION. THE OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE EXISTING UTILITY INFORMATION.
- ALL NEW AND RECONNECTED SANITARY SEWER SERVICES SHALL BE A MINIMUM OF 6" PVC OR SHALL MATCH THE EXISTING SERVICE SIZE. WHERE THE EXISTING SERVICE SIZE IS 5" OR SMALLER, CONTRACTOR SHALL TRANSITION TO 6" PVC. REMOVE AND DISPOSE OF SECTIONS OF SERVICES REPLACED. CONTRACTOR TO PROVIDE FITTINGS AS REQUIRED FOR COMPLETE INSTALLATION.
- CONTRACTOR SHALL REMOVE AND REPLACE DISTURBED SIDEWALKS, DRIVEWAYS, DRIVEWAY APRONS AND CURBS WITH LIKE MATERIALS.
- REFER TO SHEET CG-14, CG-15 AND CG-31 FOR INFLOW REMOVAL DETAILS.
- SUGGESTED SEQUENCE OF WORK:
  - INSTALL NEW SEWER OR DRAIN IN STREET BEGINNING AT THE DOWNSTREAM TERMINUS OF PROJECT AREA.
  - PERFORM SEWER CIPP LINING AND/OR SECTIONAL REPAIRS OF EXISTING SEWER OR DRAIN.
  - RECONNECT EXISTING AND INSTALL NEW SERVICES FROM MAIN IN STREET TO PROPERTY LINE.
  - ABANDON OR REMOVE EXISTING COMBINED SEWERS (NOTE: IN SOME LOCATIONS, THIS WORK WILL COINCIDE WITH THE INSTALLATION OF NEW SEWER OR DRAIN LINES).
  - INSTALL BUILDING DRAIN LATERALS FROM PROPERTY LINE TO BUILDING. PROCEED STREET BY STREET BEHIND THE INSTALLATION OF NEW SEWER OR DRAIN IN STREET.
  - ON STREETS WHERE THE EXISTING COMBINED PIPE BECOMES A DRAIN, ALL SANITARY FLOWS MUST BE REMOVED PRIOR TO COMPLETION OF THE CONTRACT. THIS MEANS THAT ANY NON-RESPONSIVE PROPERTY MUST HAVE ITS COMBINED LATERAL REDIRECTED TO THE NEW SANITARY SEWER. A STORM LATERAL WILL BE CAPPED AT THE PROPERTY LINE FOR FUTURE CONNECTION BY PROPERTY OWNER.

CONFORMED SET



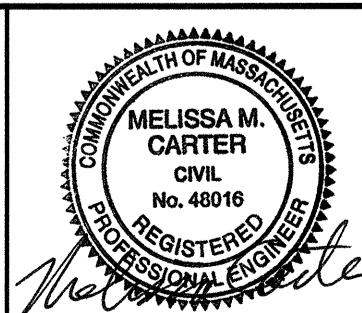
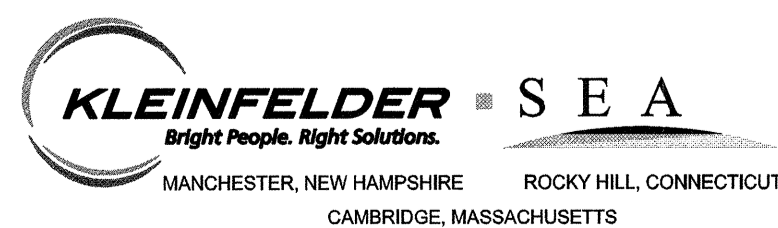
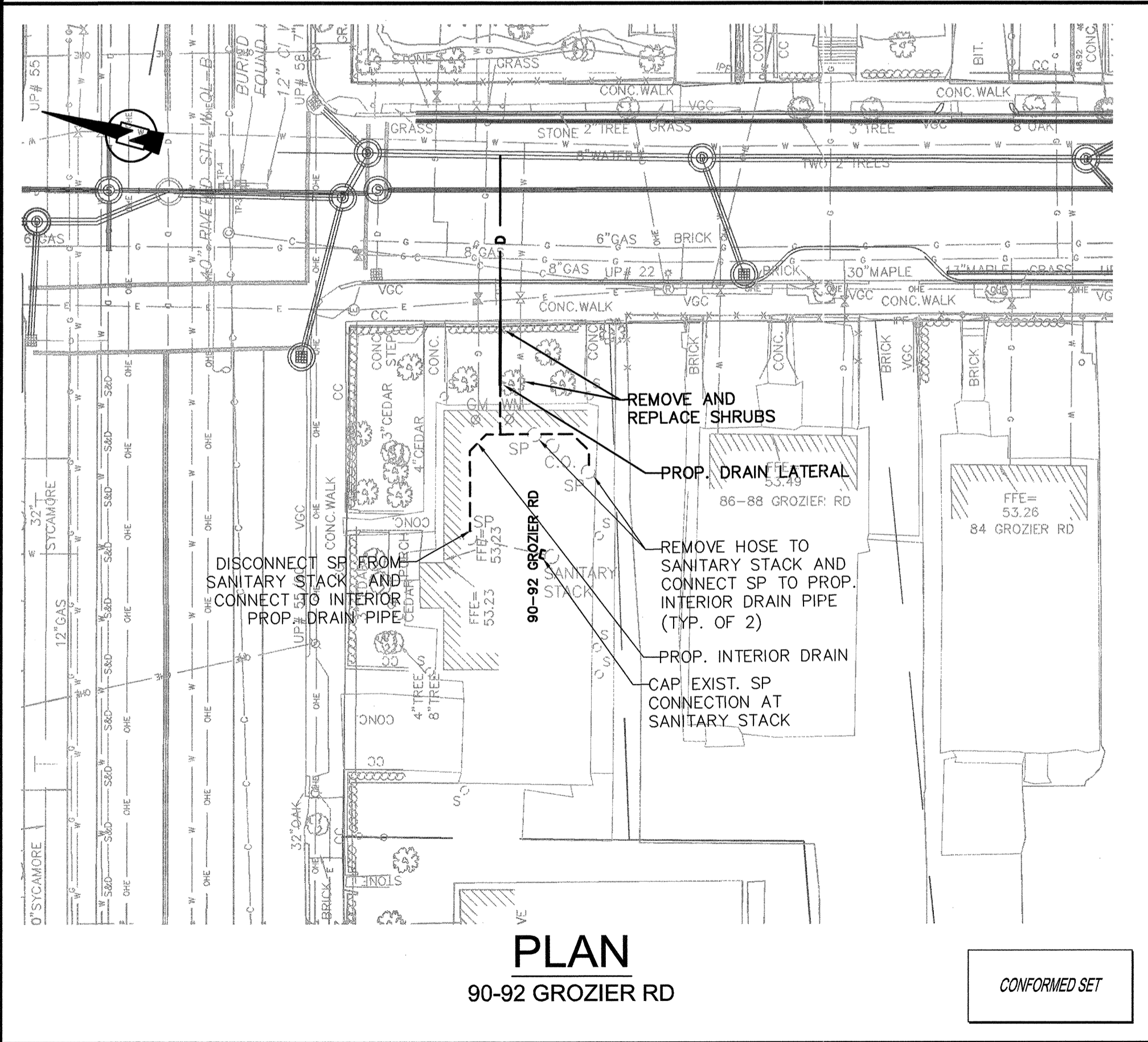
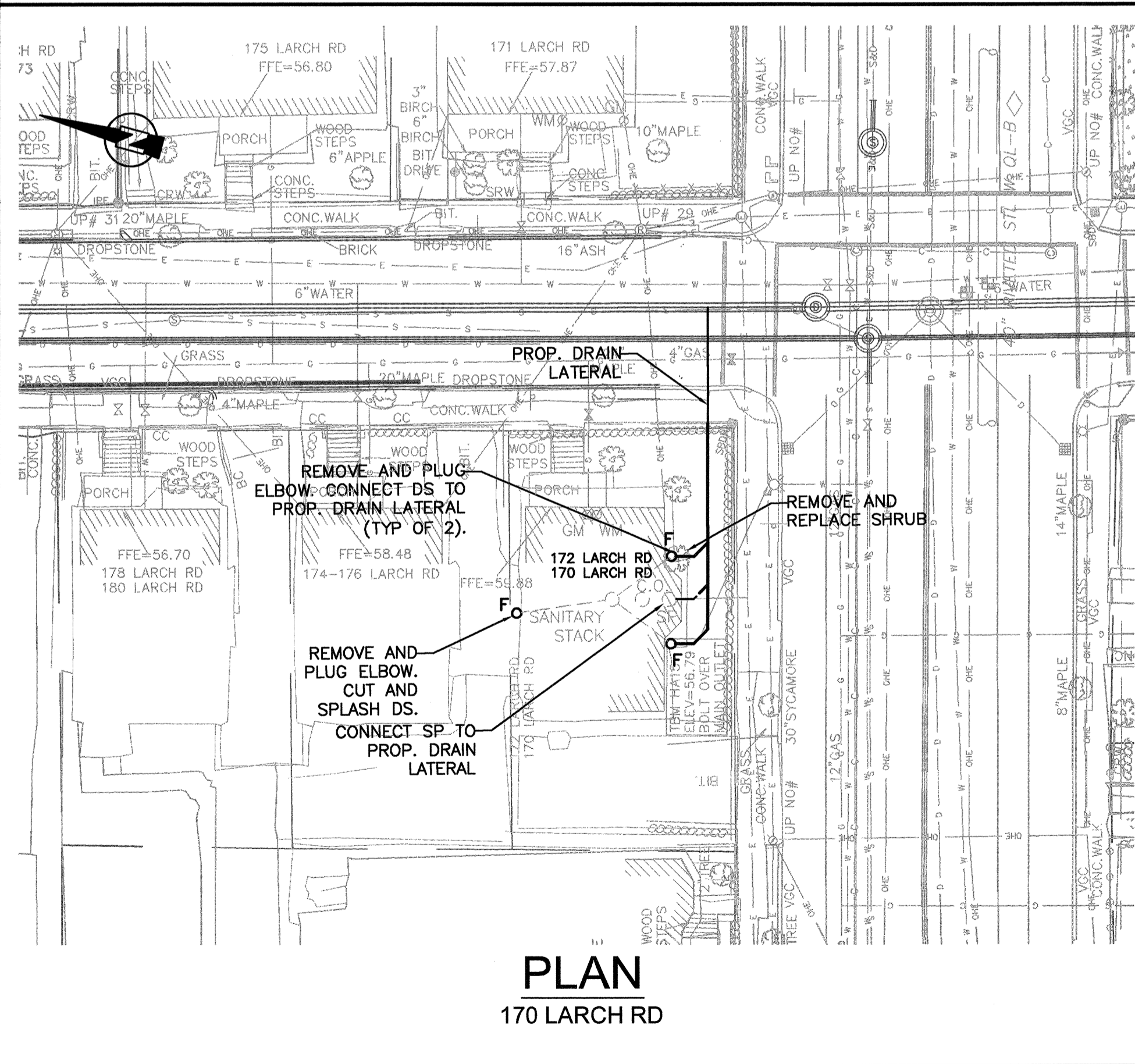
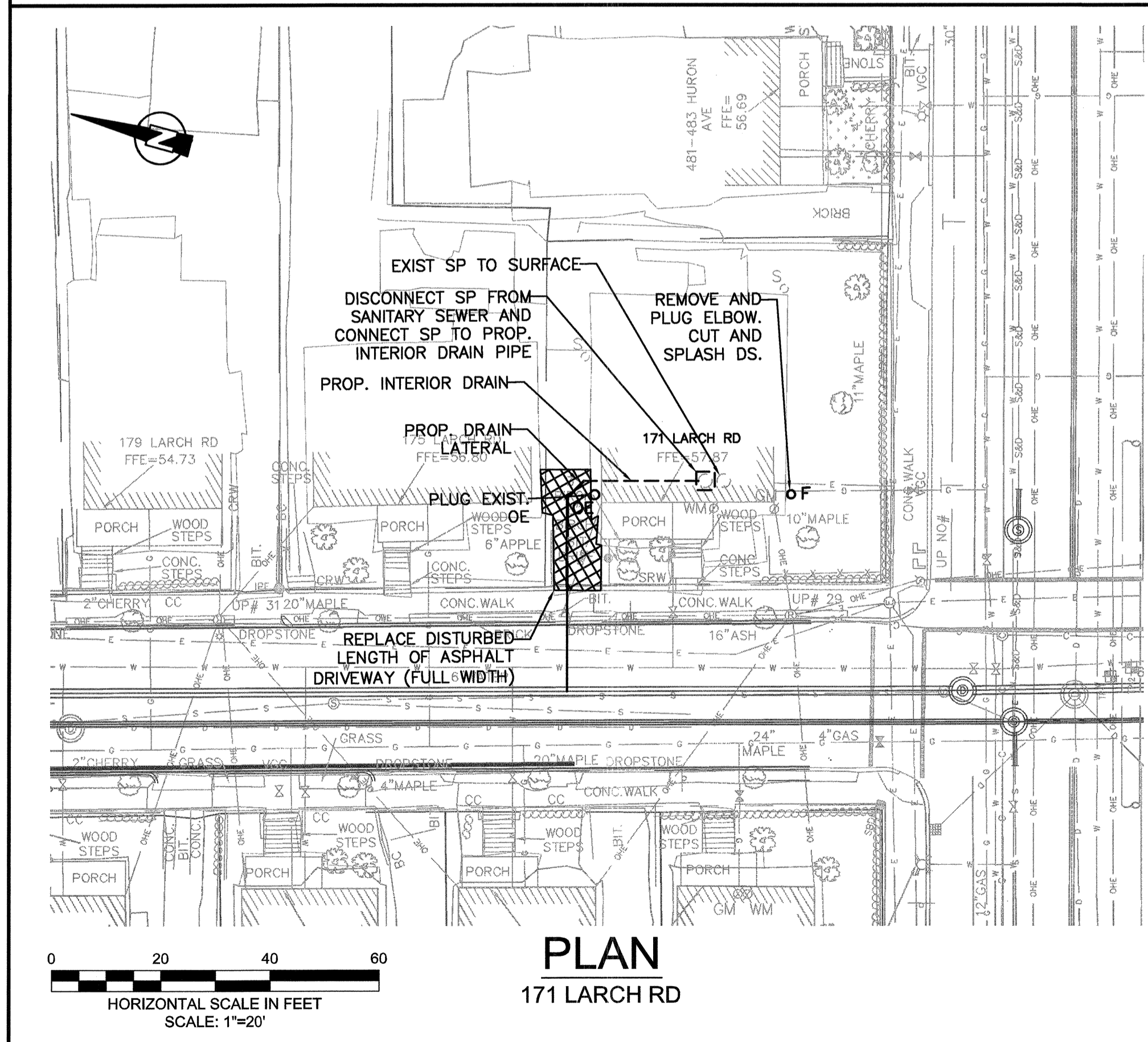
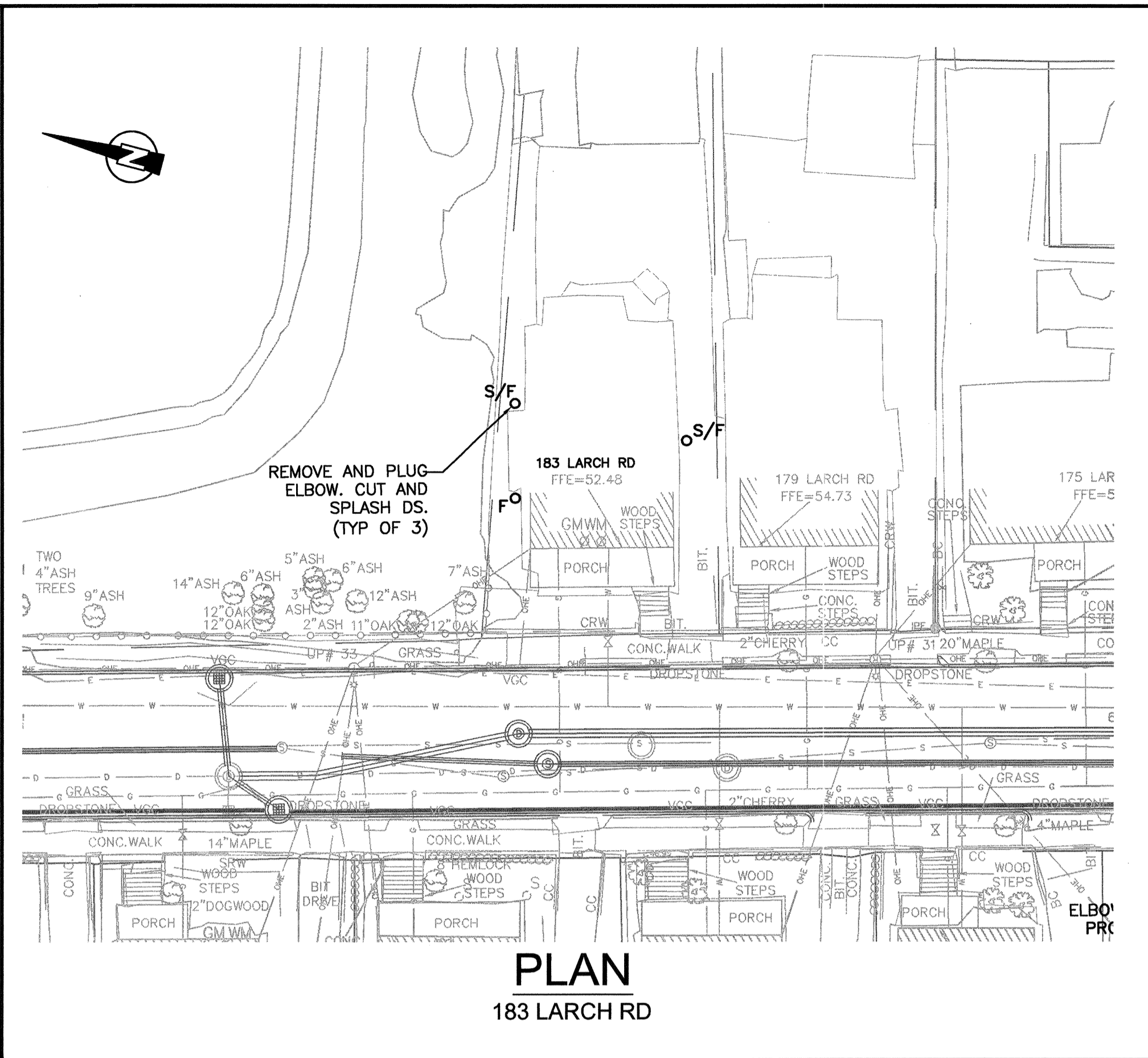
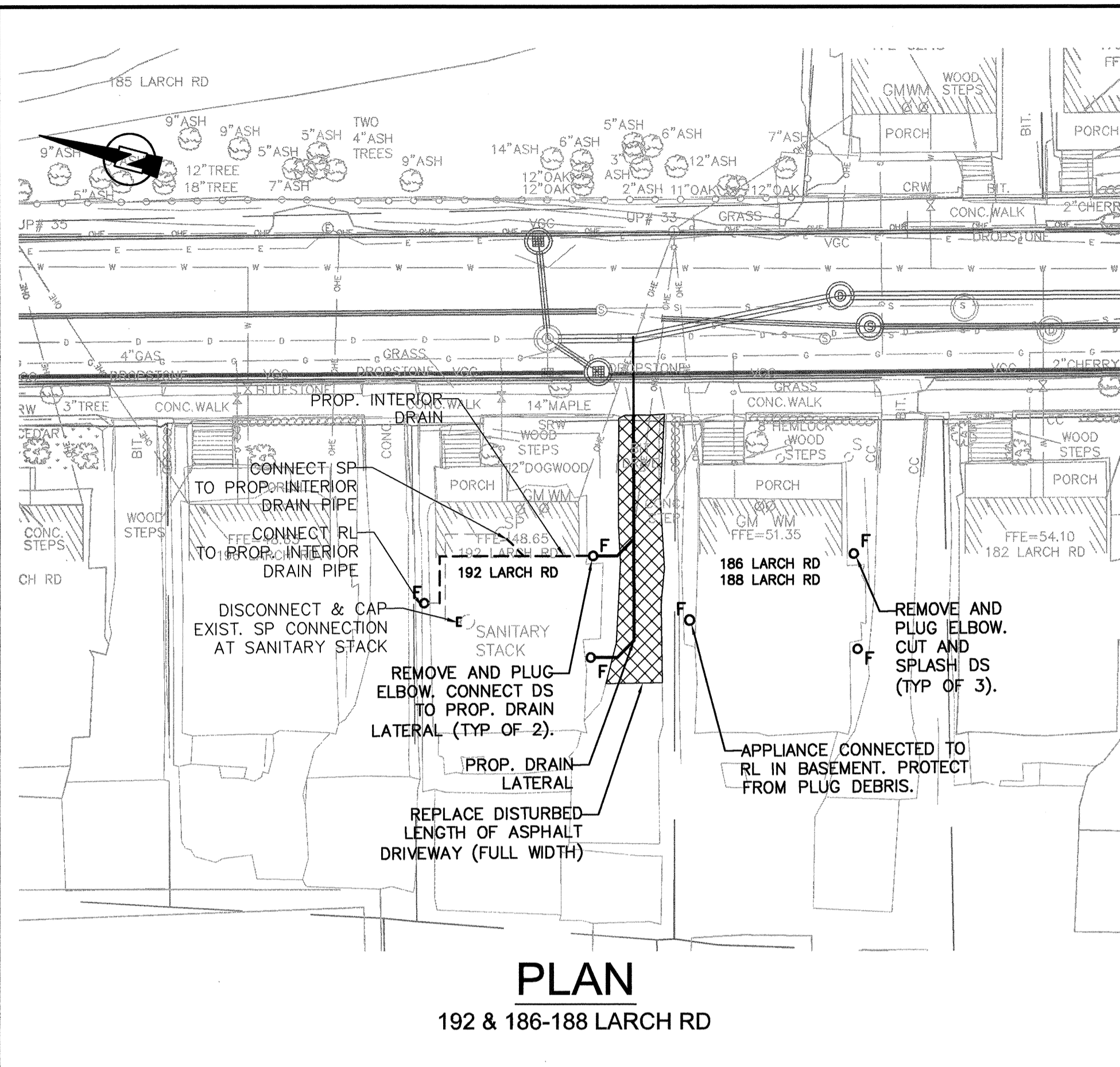
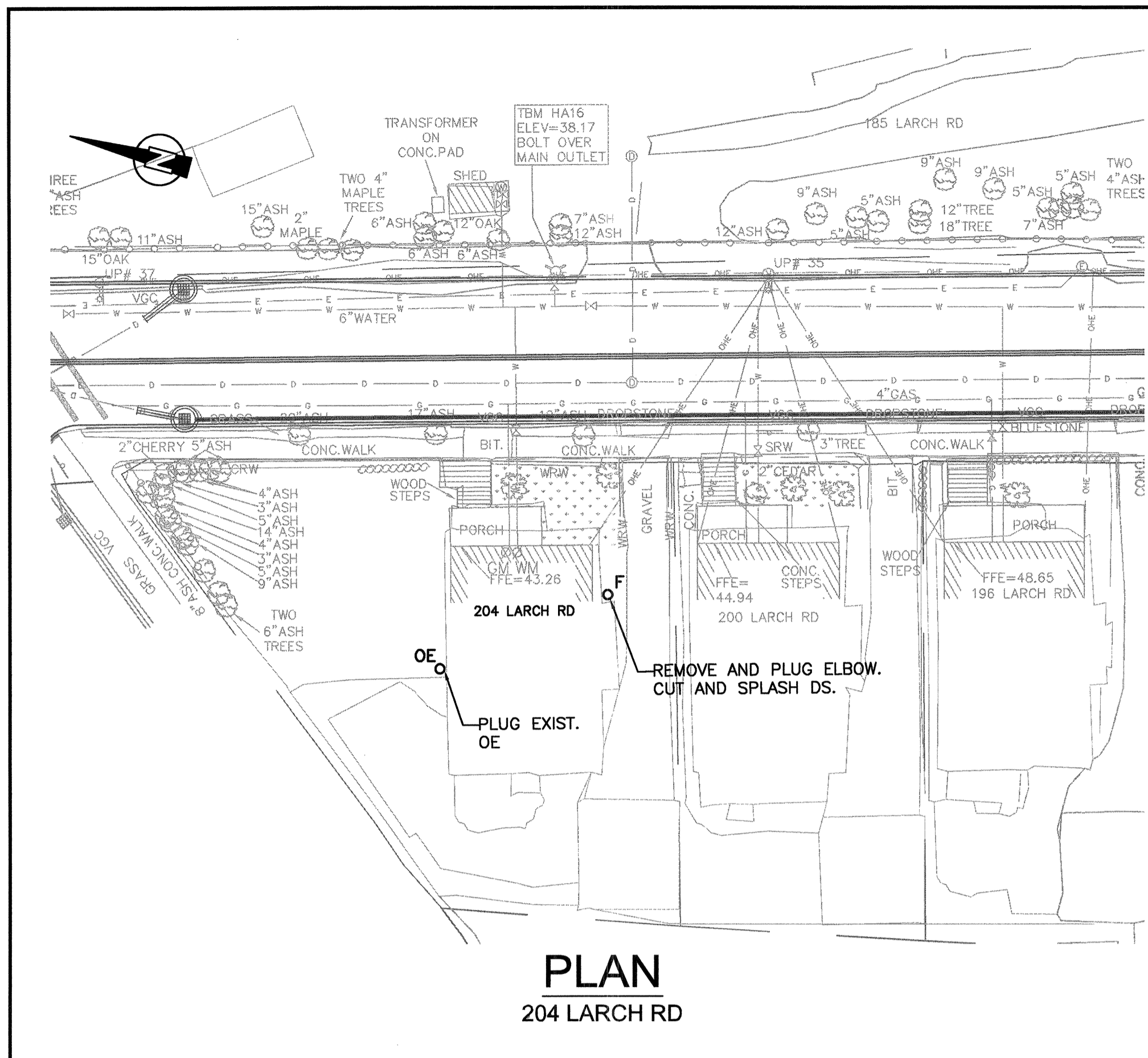
Scale	N.T.S.			
Date	SEPTEMBER 2012			
Job No.	1010691			
Designed by	AMF			
Drawn by	ZSH			
Checked by	HED	No.	Description	Date
Approved by	MMC		REVISIONS	



CITY OF CAMBRIDGE, MASSACHUSETTS	
HURON A SEWER SEPARATION PROJECT CONTRACT NO. 8A	
CIVIL - INFLOW REMOVAL LEGEND AND GENERAL NOTES	

Sheet No.	CP-2
File No.	





Scale	1"=20'			
Date	SEPTEMBER 2012			
Job No.	1010691			
Designed by	AMF			
Drawn by	ZSH			
Checked by	HED	No.	Description	Date
Approved by	MMC		REVISIONS	

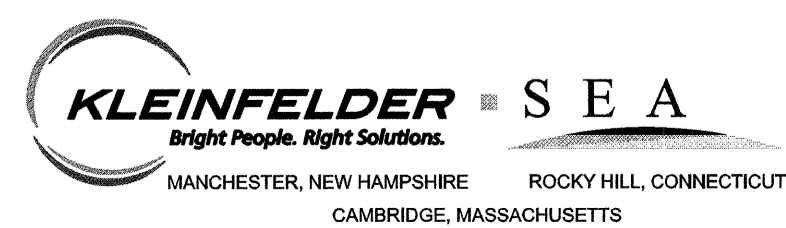
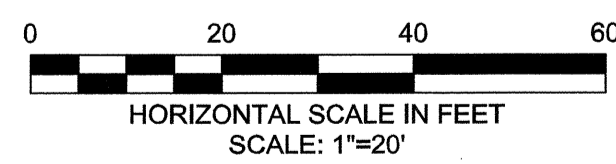
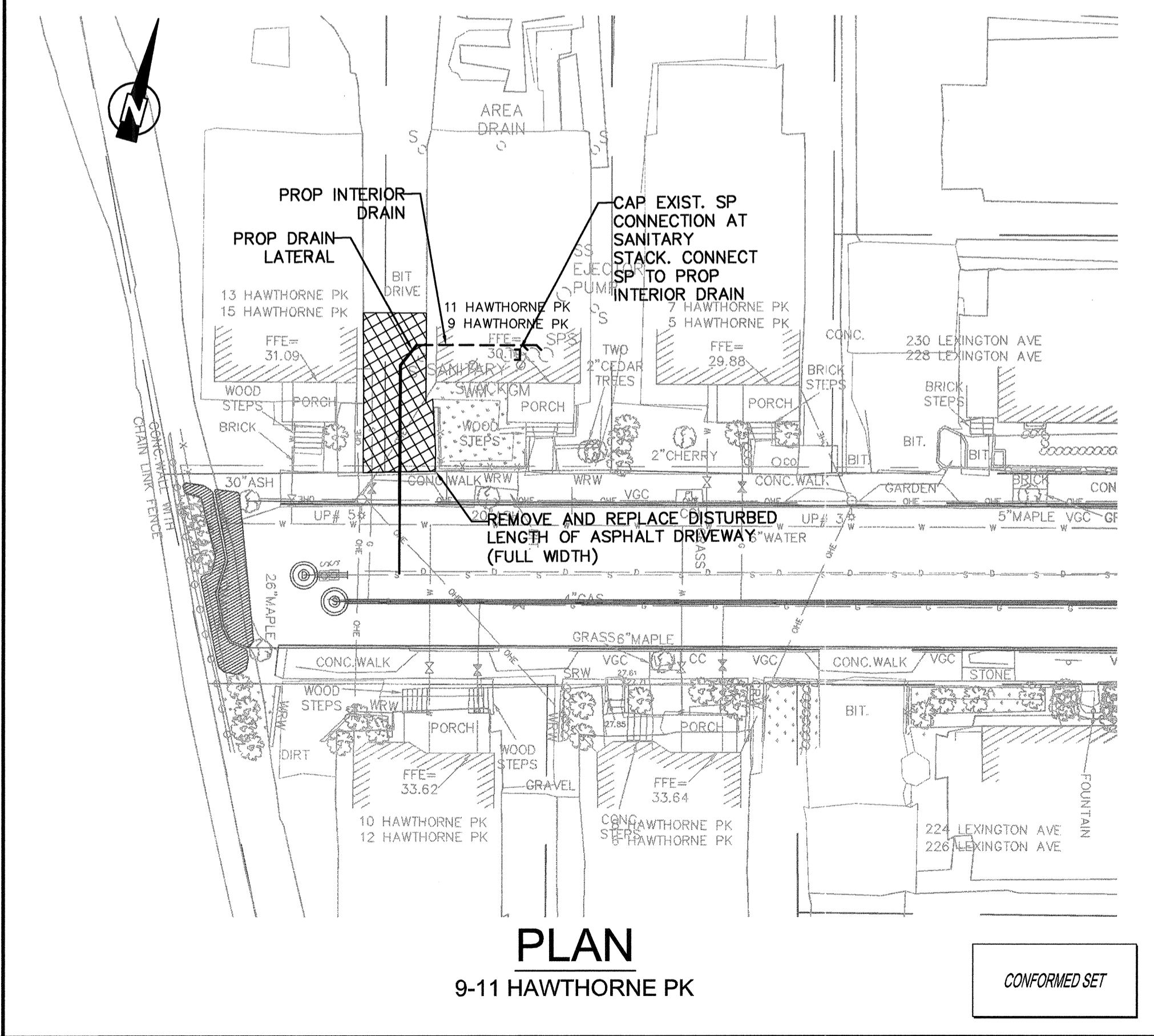
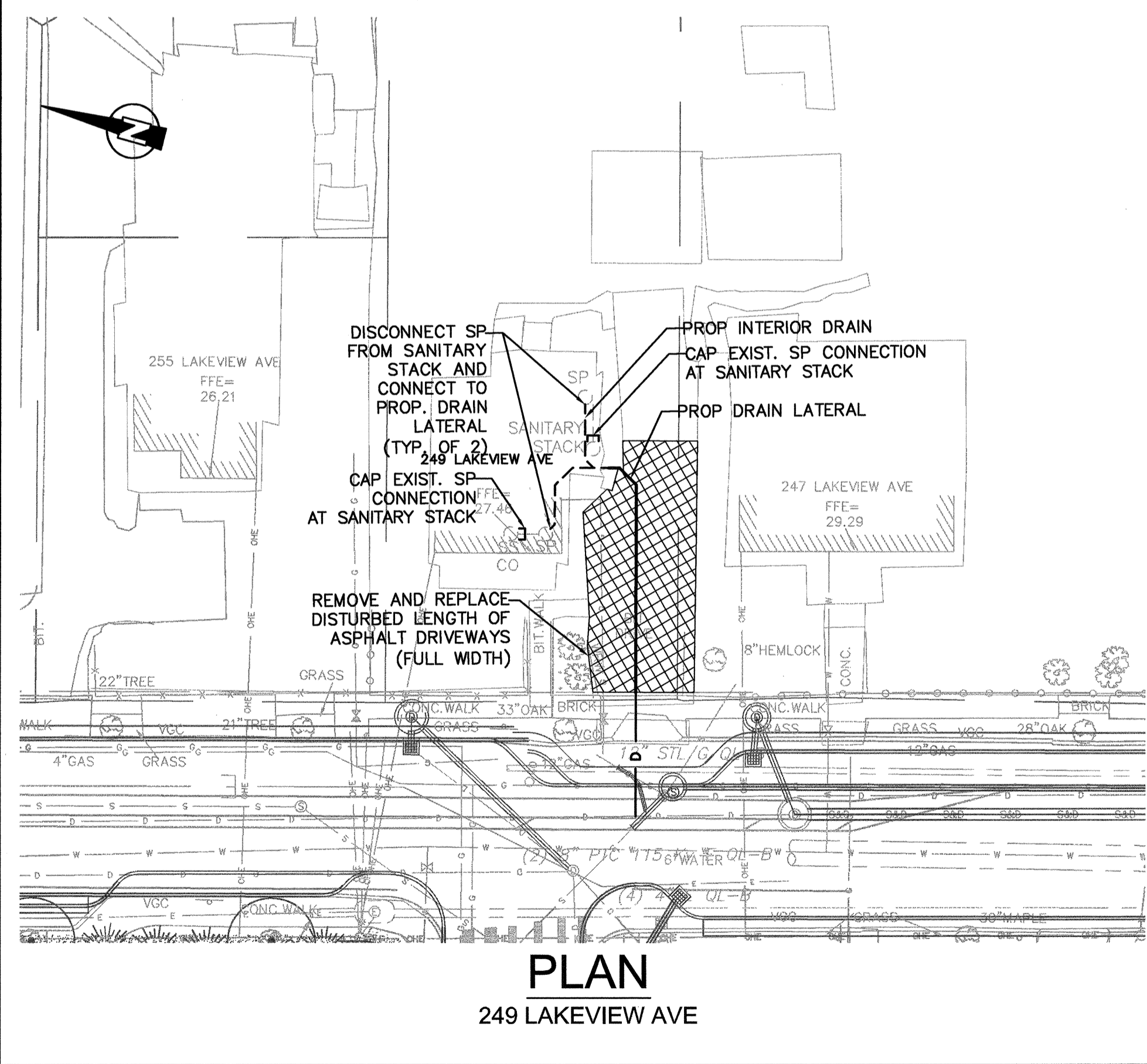
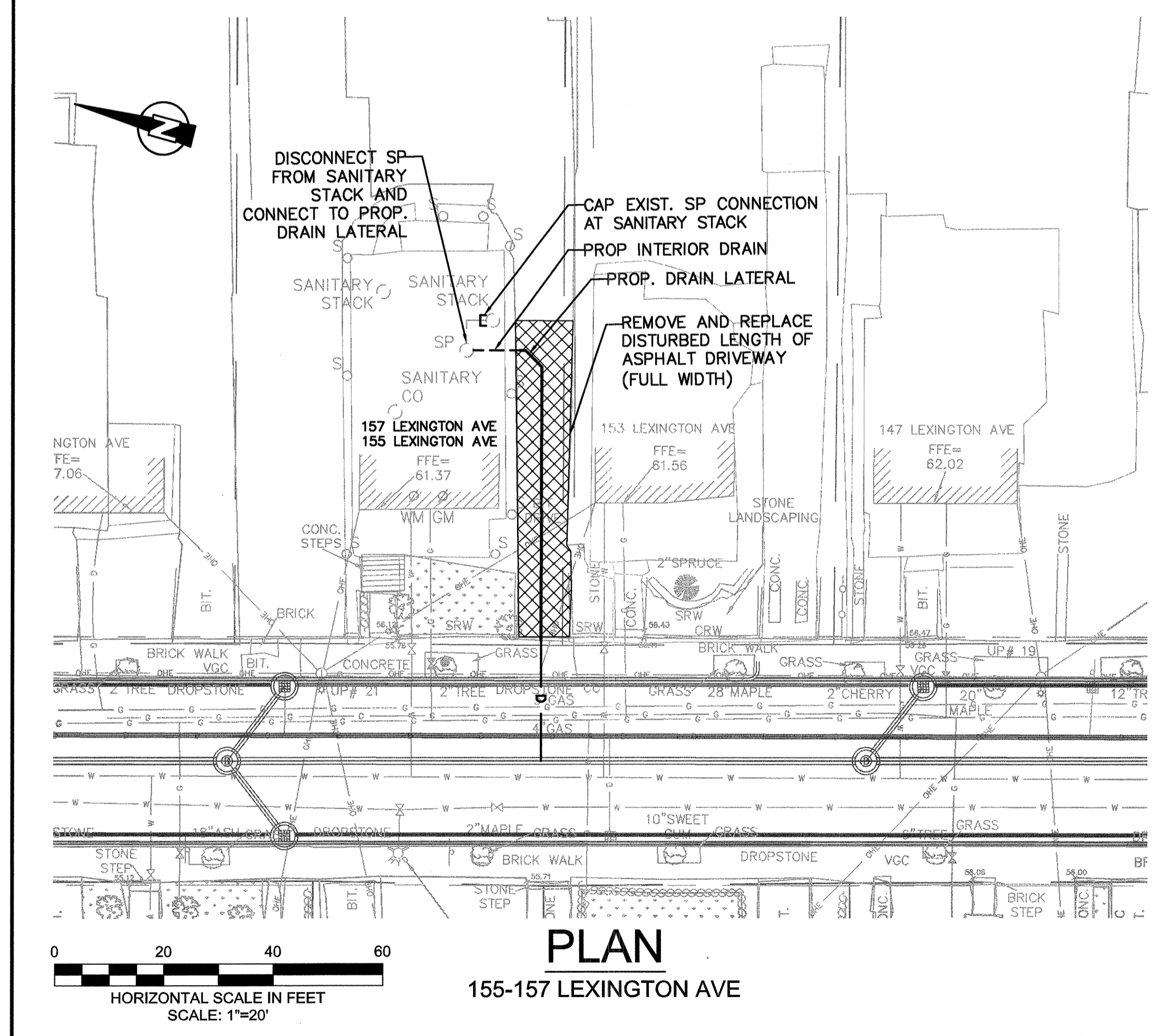
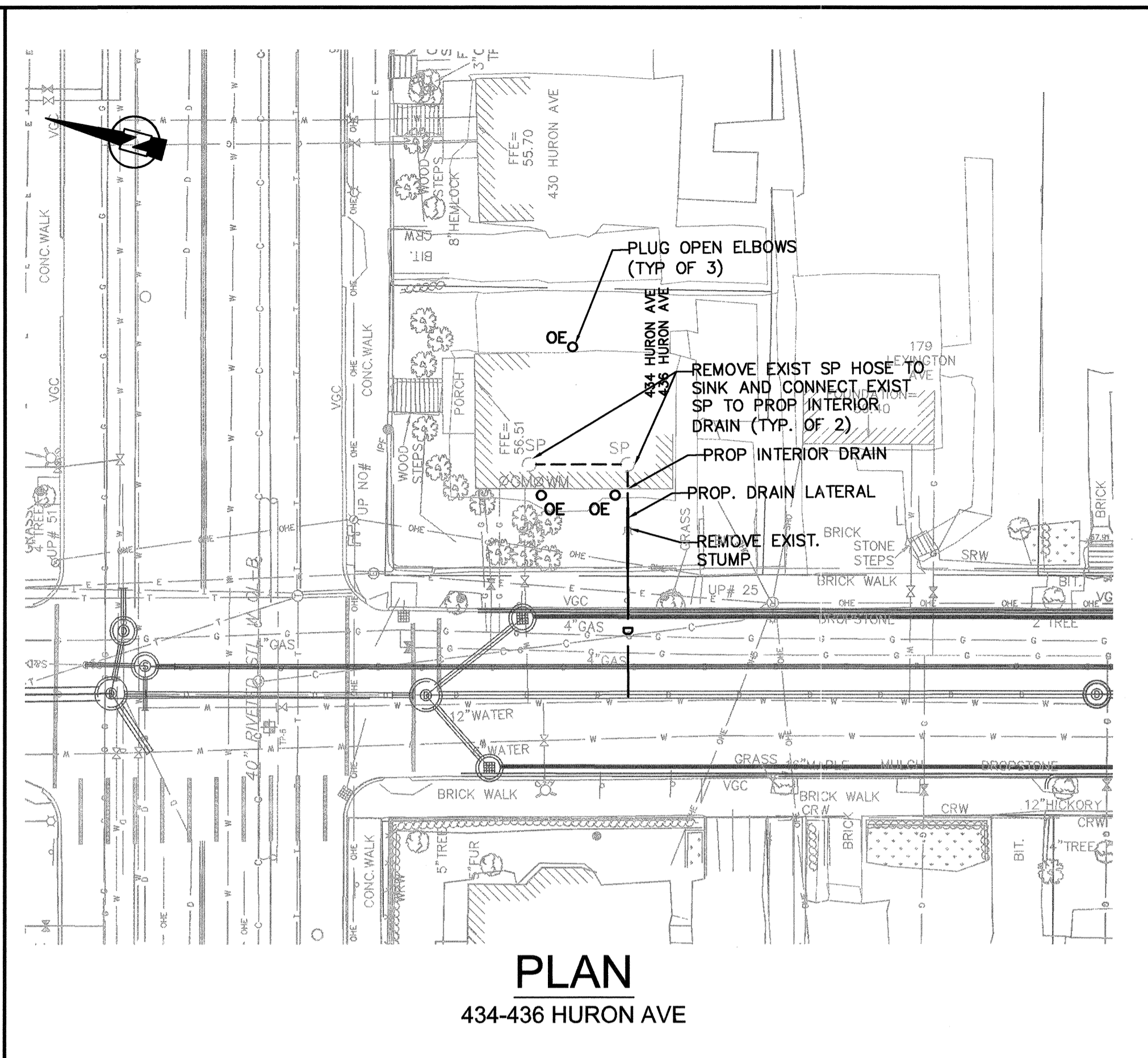
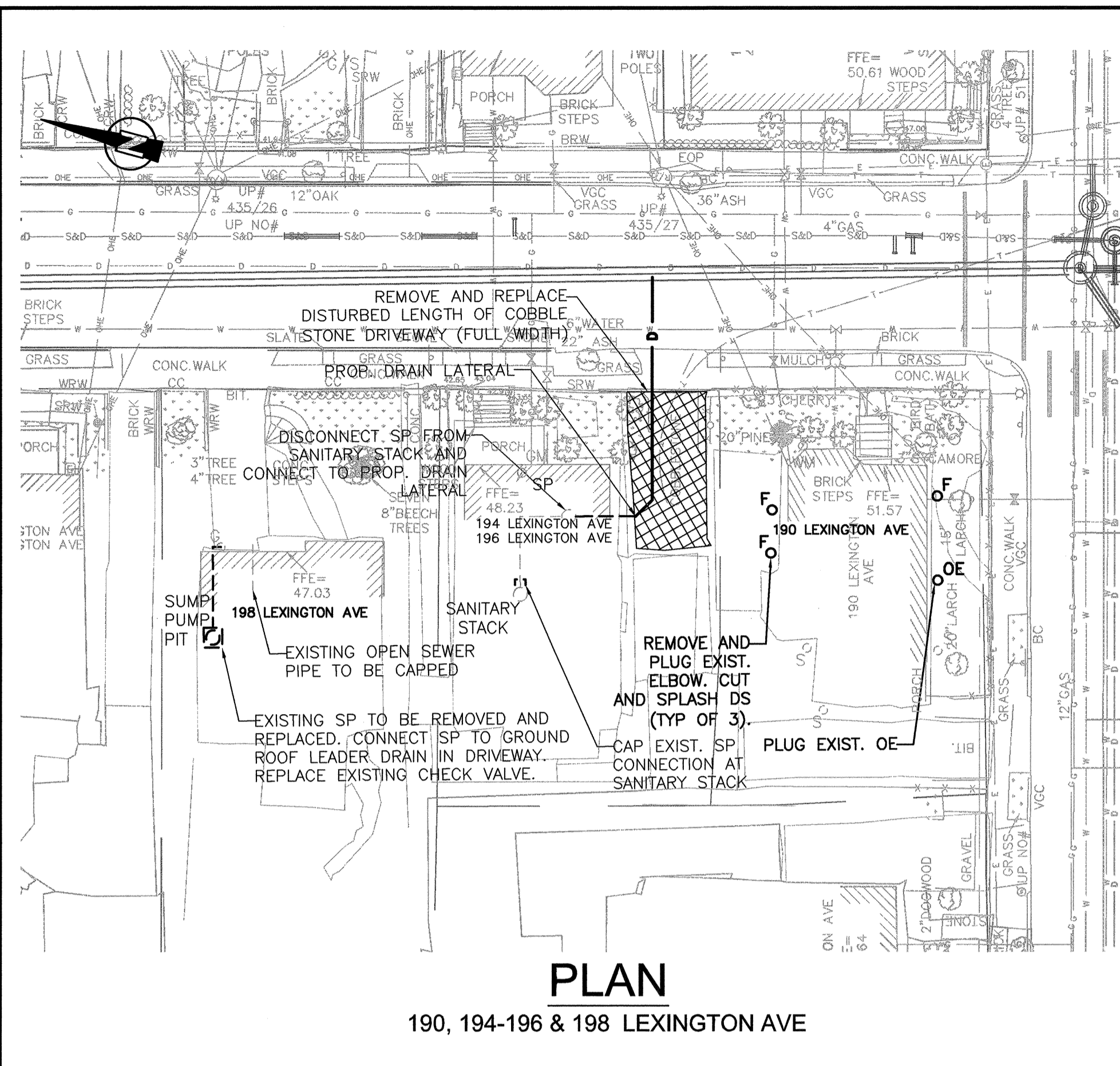
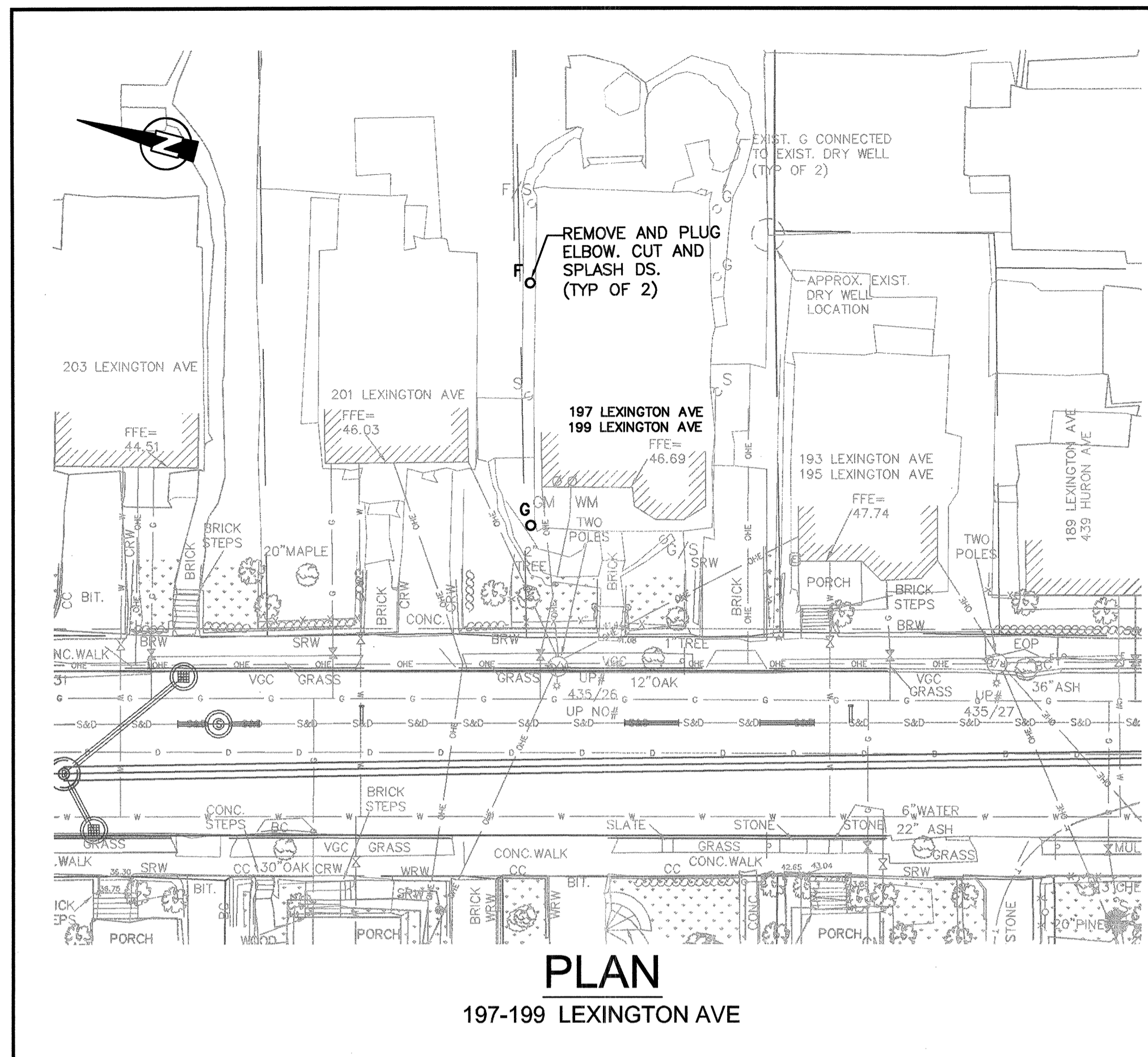


CITY OF CAMBRIDGE, MASSACHUSETTS		Sheet No.
HURON A SEWER SEPARATION PROJECT		CP-3
CONTRACT NO. 8A		File No.
CIVIL - INFLOW REMOVAL		
PLAN NO.1 (LARCH RD, GROZIER RD)		

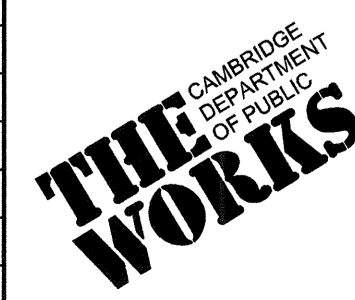








Scale	1"=20'				
Date	SEPTEMBER 2012				
Job No.	1010691				
Designed by	AMF				
Drawn by	ZSH				
Checked by	HED	No.		Description	Date
Approved by	MMC			REVISIONS	

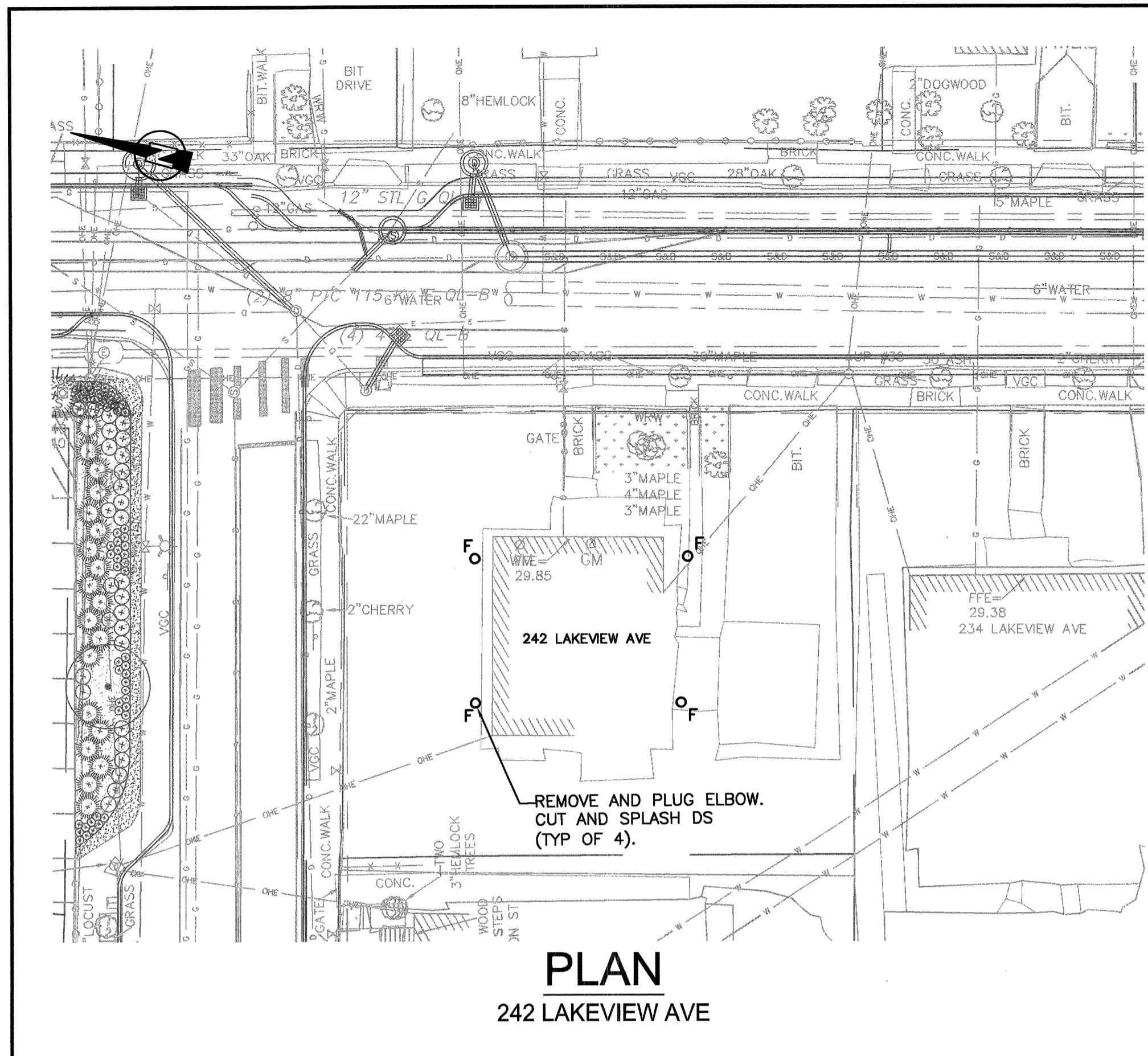


CITY OF CAMBRIDGE, MASSACHUSETTS  
 HURON A SEWER SEPARATION PROJECT  
 CONTRACT NO. 8A  
 CIVIL - INFLOW REMOVAL, PLAN NO. 3  
 (LEXINGTON AVE, LAKEVIEW AVE, HAWTHORNE PK)

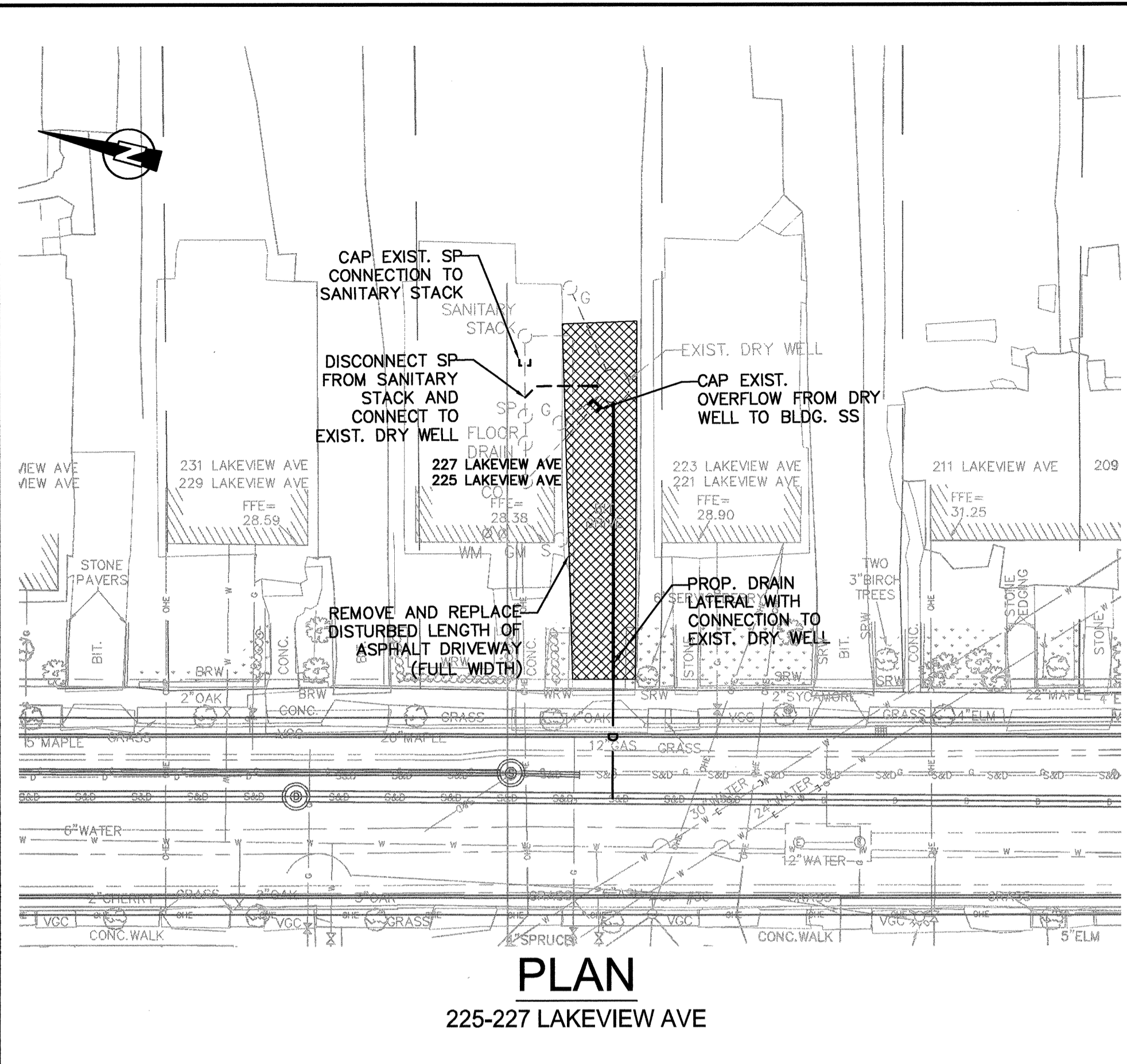
Sheet No. **CP-5**  
 File No.

CONFORMED SET

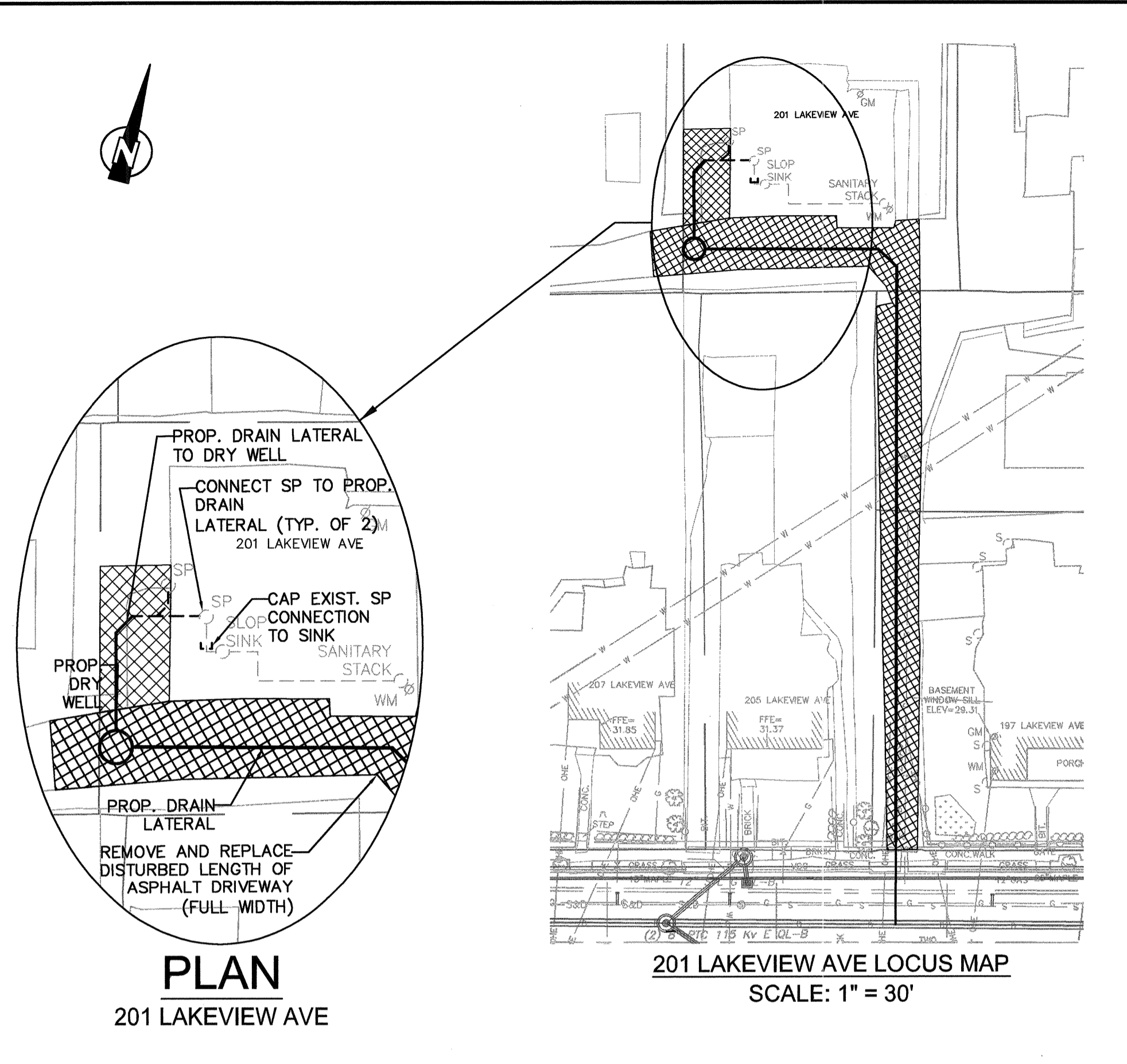




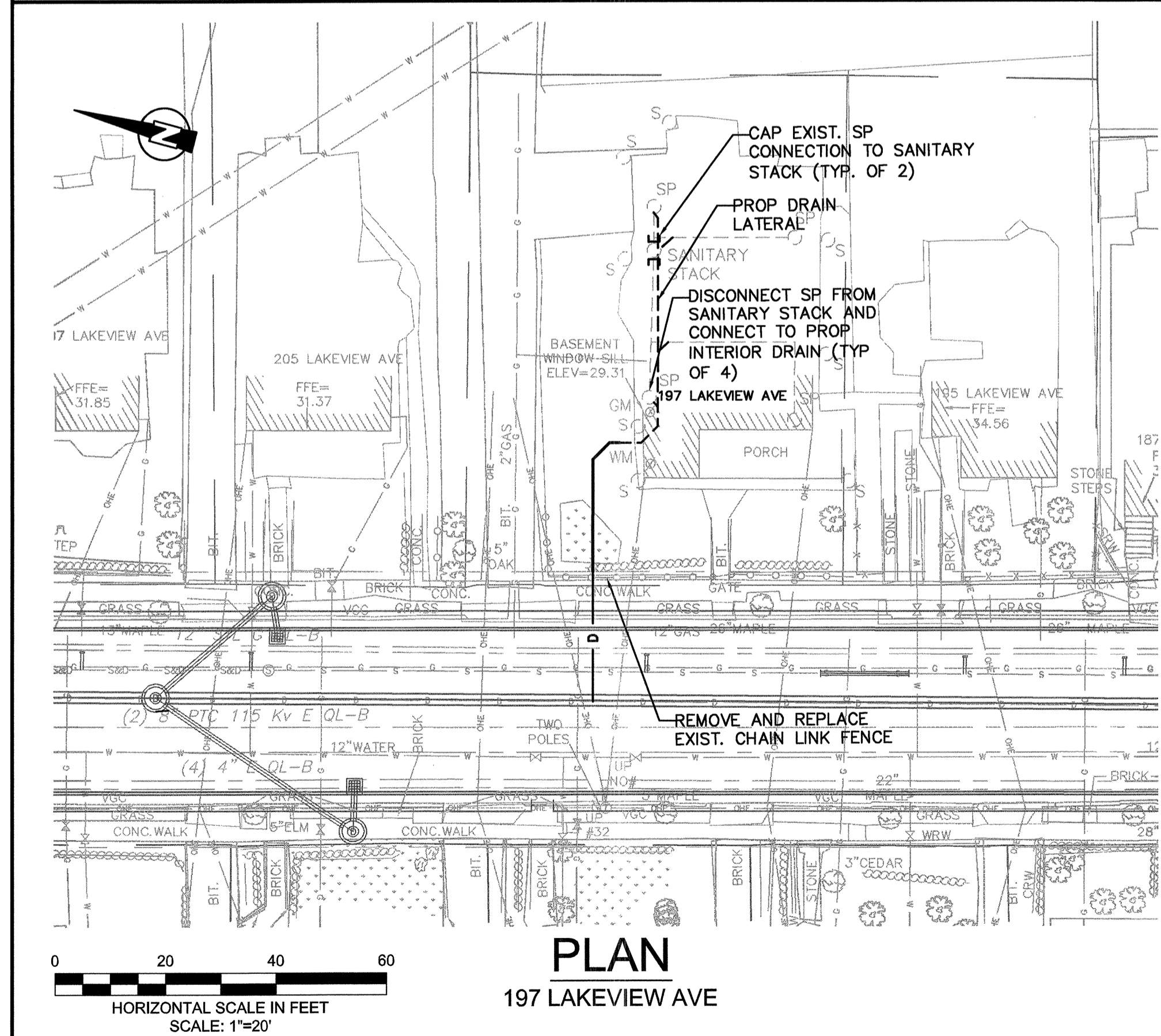
**PLAN**  
242 LAKEVIEW AVE



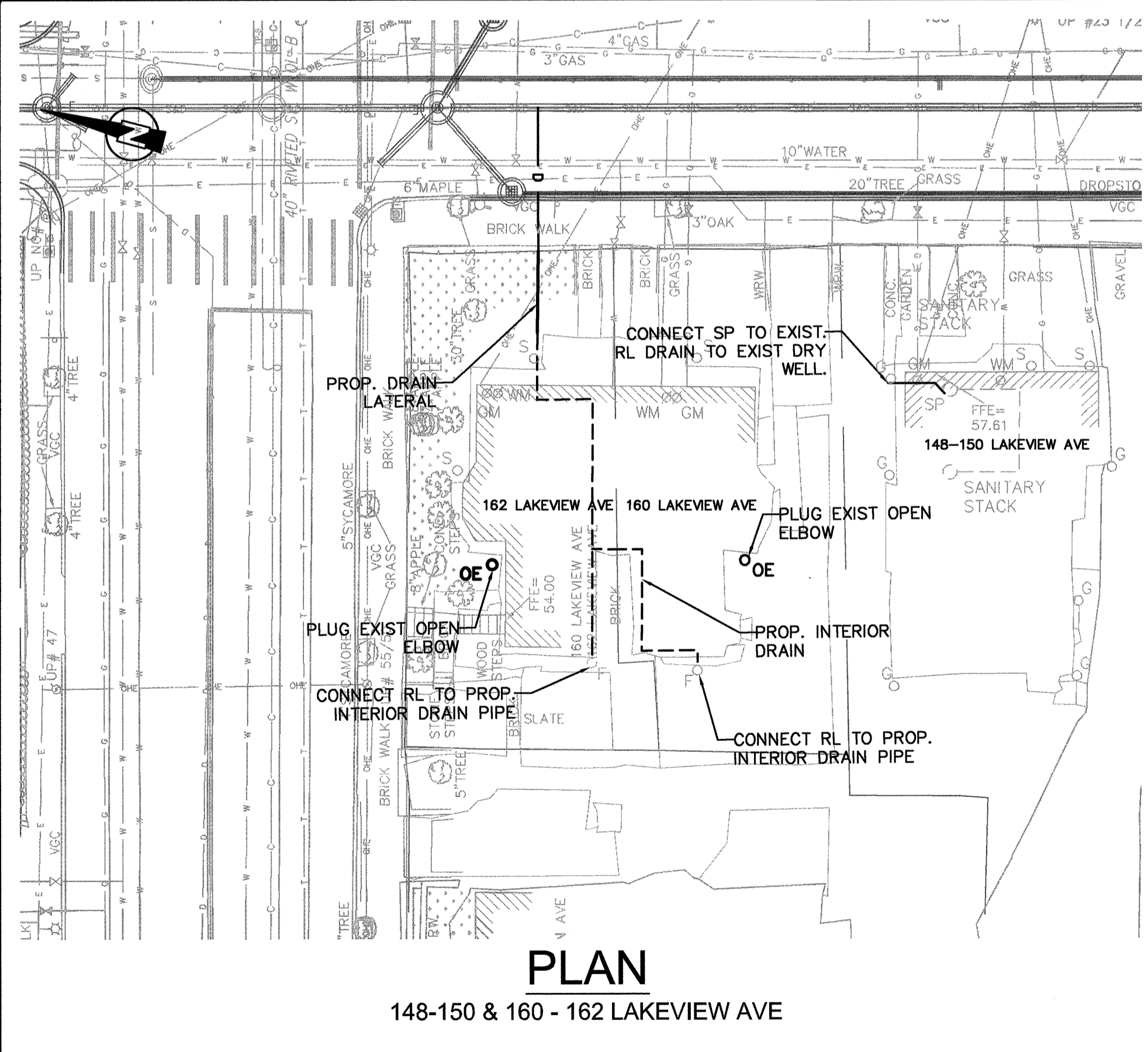
**PLAN**  
225-227 LAKEVIEW AVE



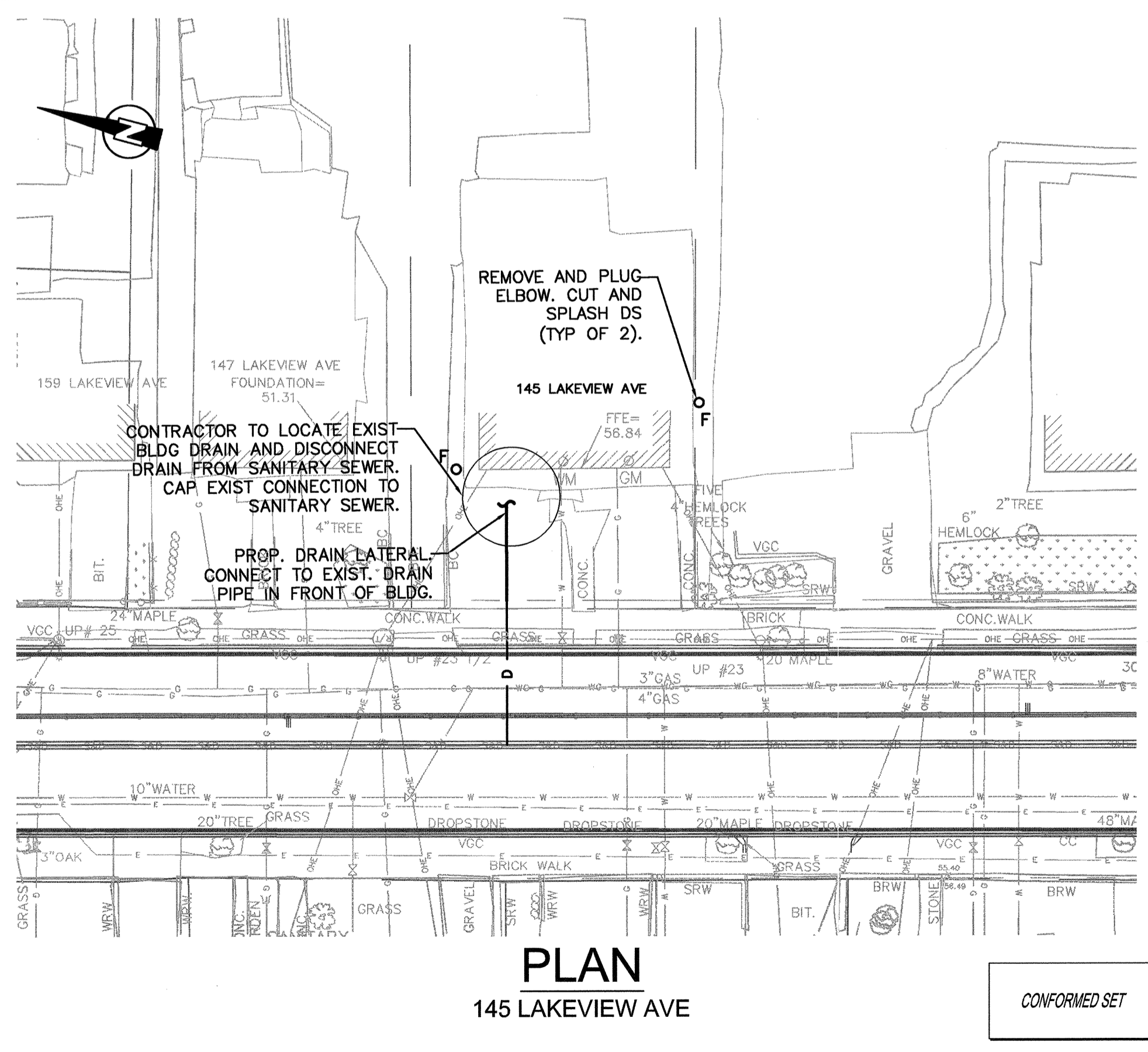
**PLAN**  
201 LAKEVIEW AVE



**PLAN**  
197 LAKEVIEW AVE

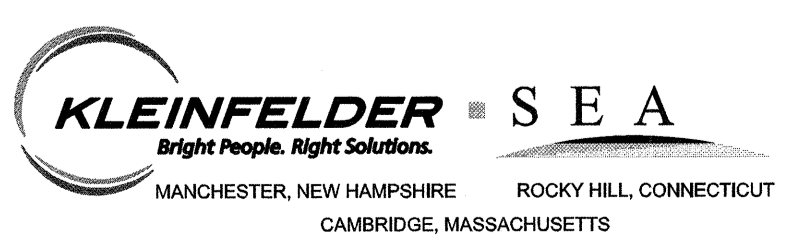


**PLAN**  
148-150 & 160 - 162 LAKEVIEW AVE

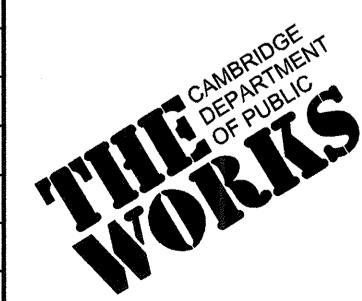


**PLAN**  
145 LAKEVIEW AVE

CONFORMED SET

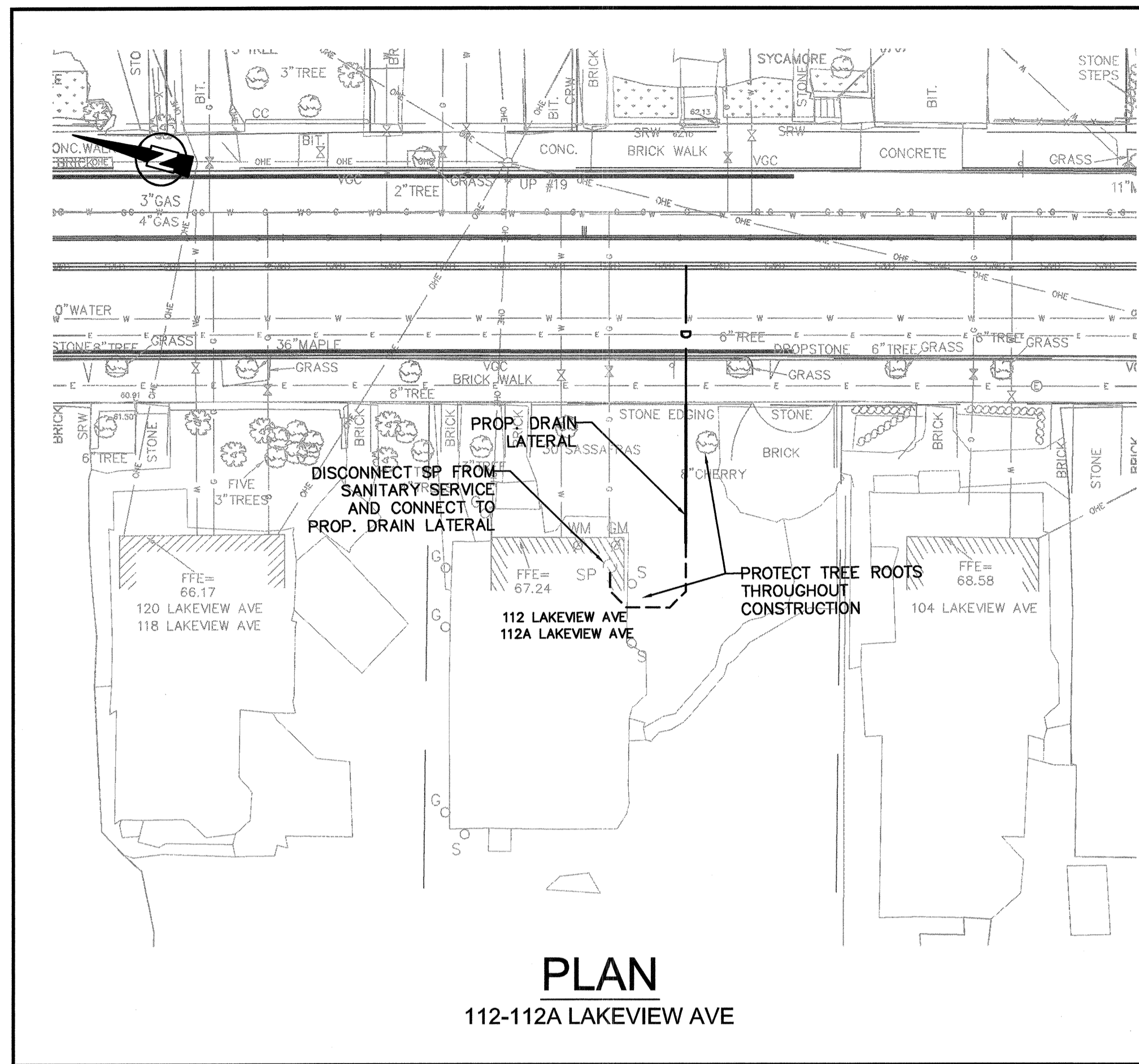


Scale	1"=20'			
Date	SEPTEMBER 2012			
Job No.	1010691			
Designed by	AMF			
Drawn by	ZSH			
Checked by	HED	No.	Description	Date
Approved by	MMC		REVISIONS	

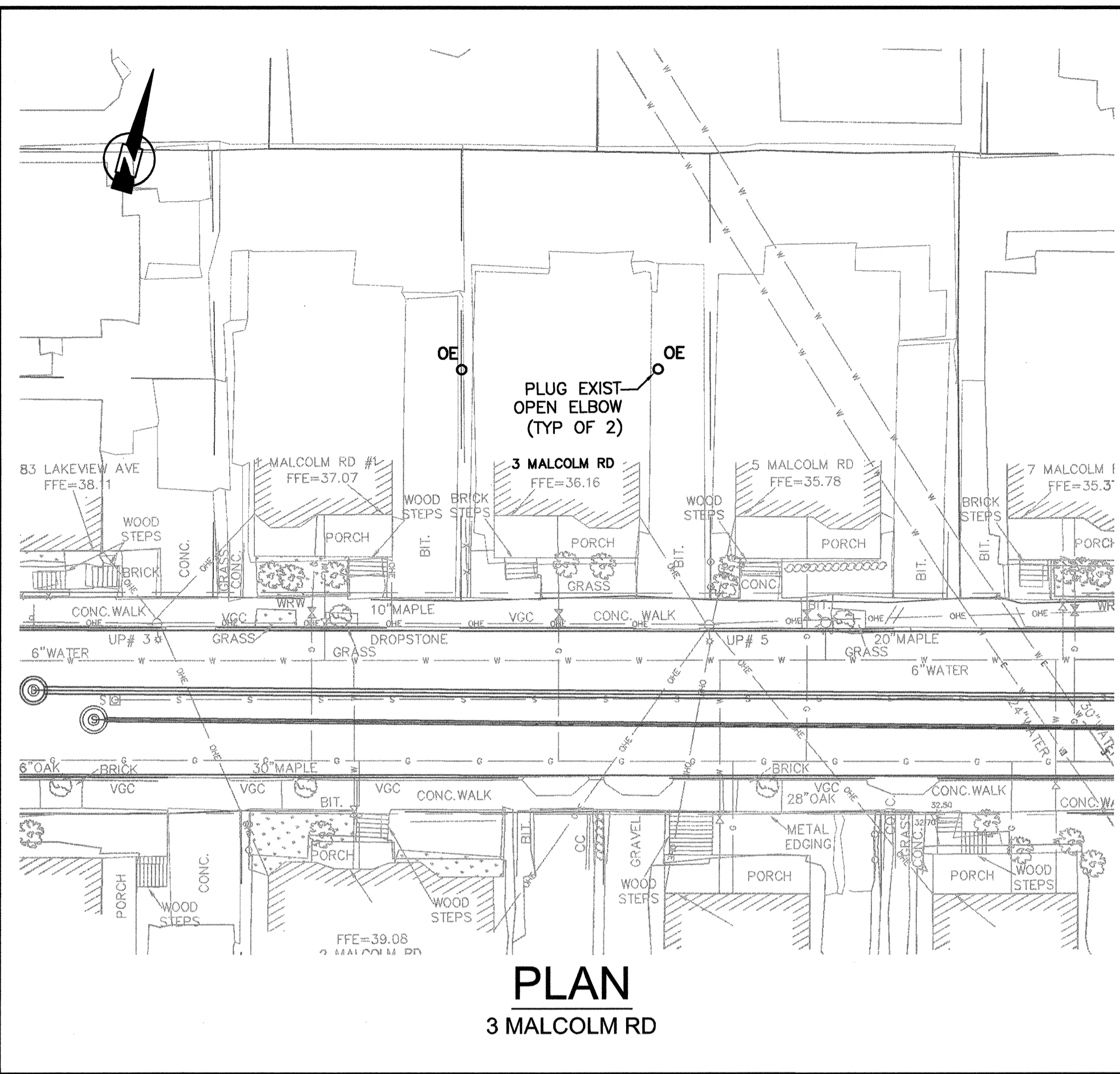


CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet No.
HURON A SEWER SEPARATION PROJECT	CP-6
CONTRACT NO. 8A	File No.
CIVIL - INFLOW REMOVAL PLAN NO. 4 (LAKEVIEW AVE)	

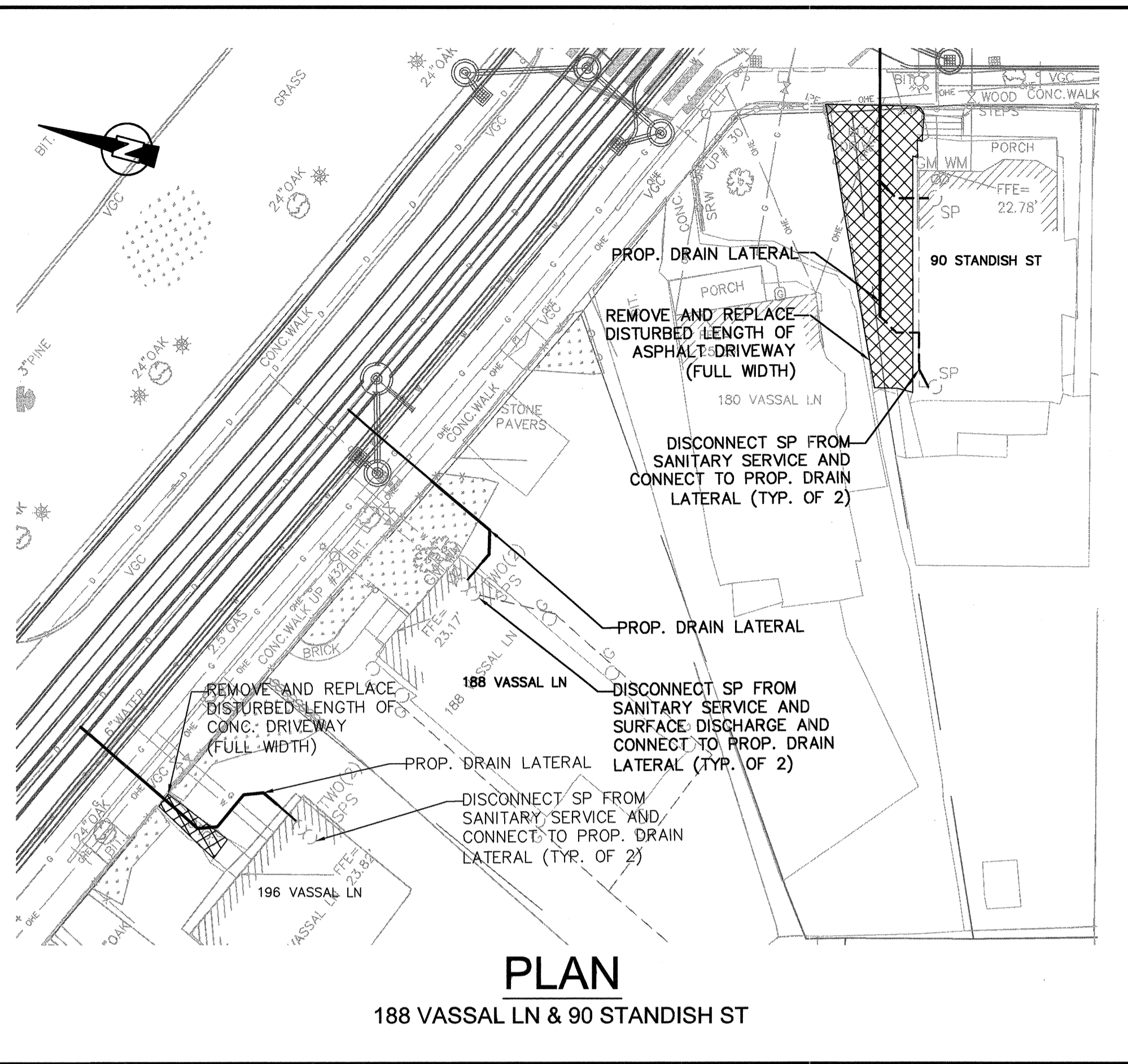




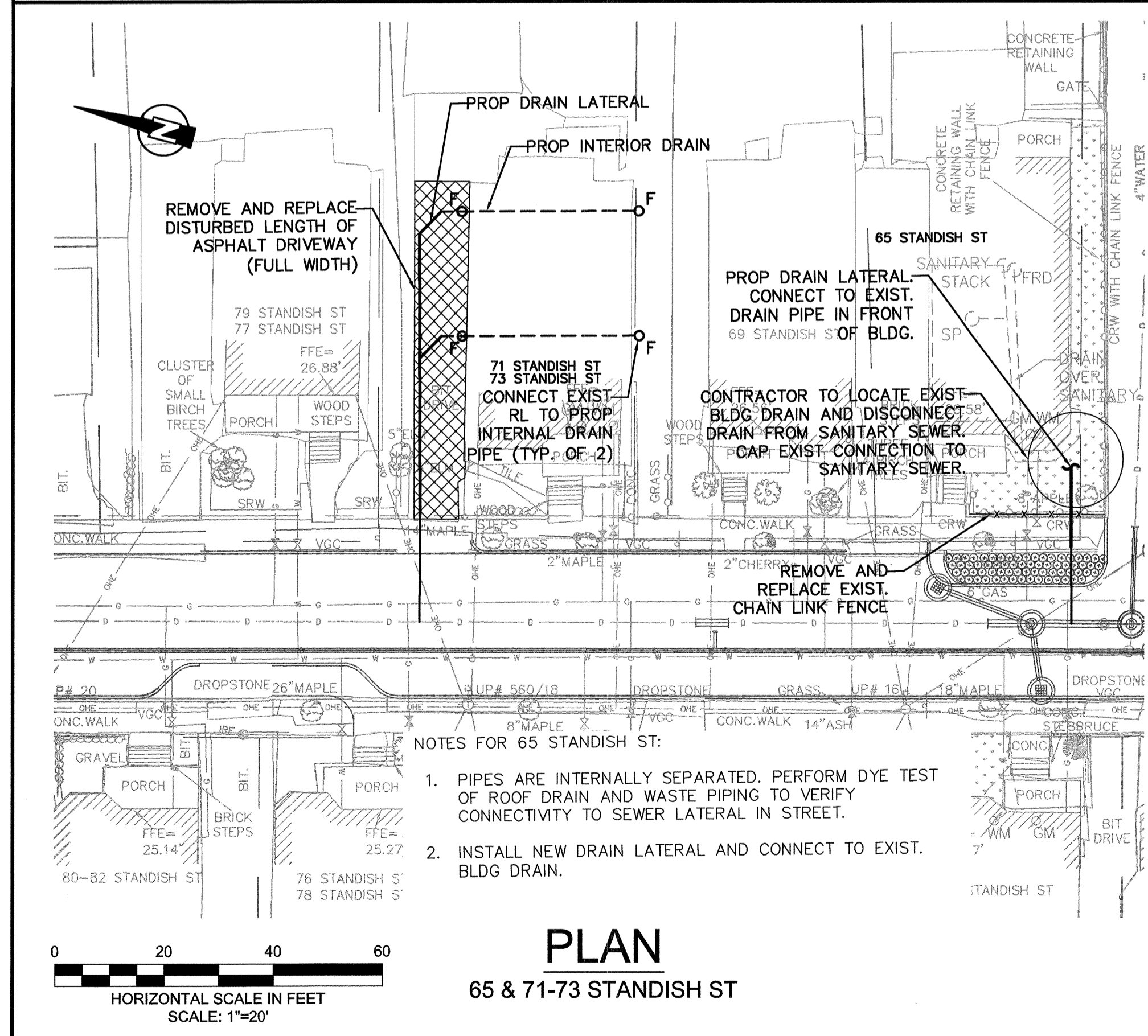
**PLAN**  
112-112A LAKEVIEW AVE



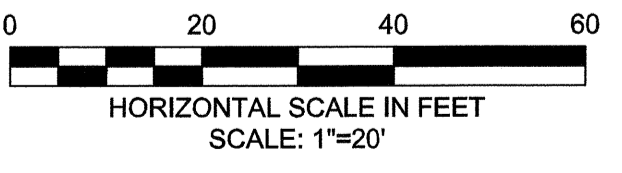
**PLAN**  
3 MALCOLM RD



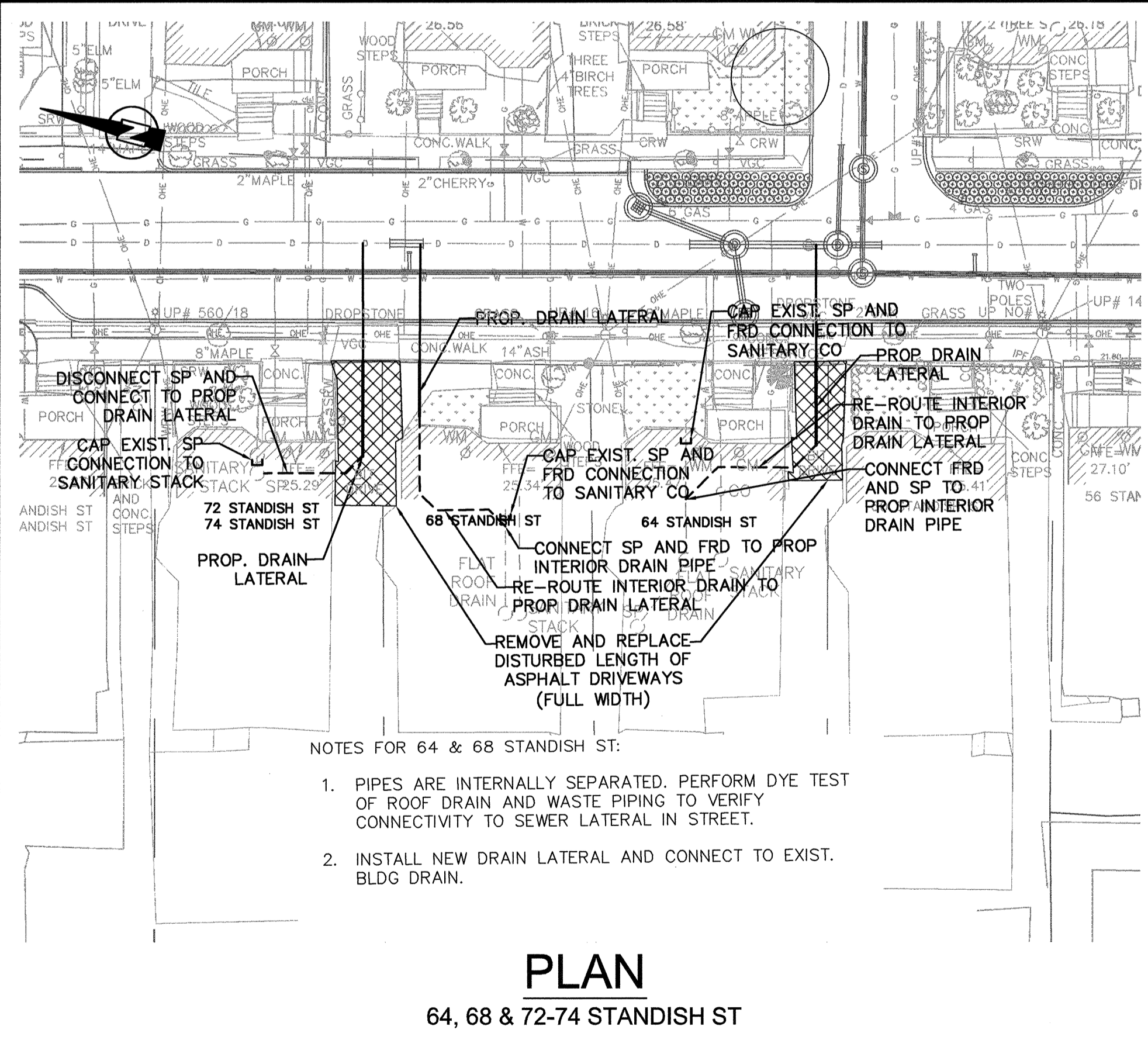
**PLAN**  
188 VASSAL LN & 90 STANDISH ST



**PLAN**  
65 & 71-73 STANDISH ST

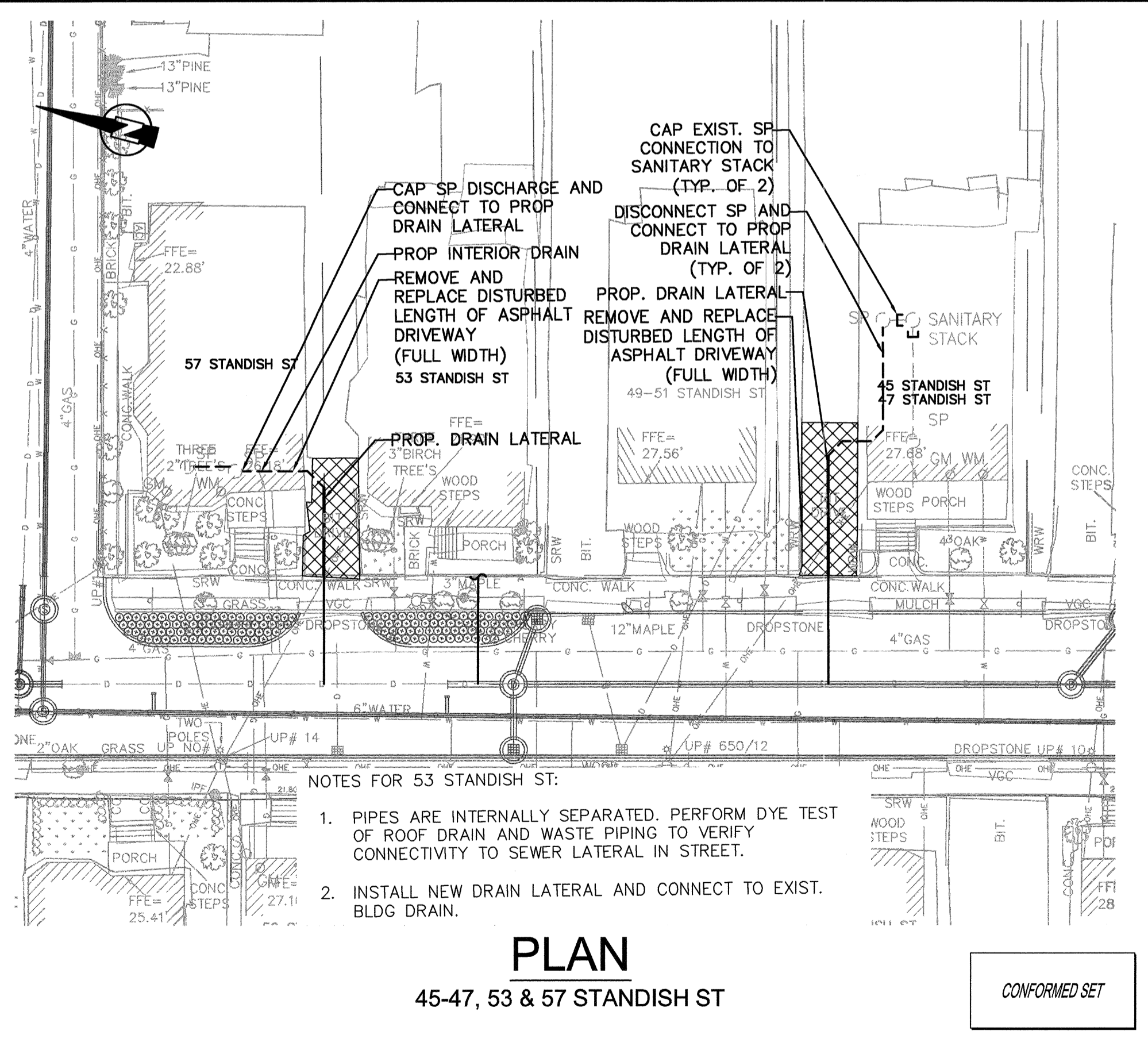


- NOTES FOR 65 STANDISH ST:
- PIPES ARE INTERNALLY SEPARATED. PERFORM DYE TEST OF ROOF DRAIN AND WASTE PIPING TO VERIFY CONNECTIVITY TO SEWER LATERAL IN STREET.
  - INSTALL NEW DRAIN LATERAL AND CONNECT TO EXIST. BLDG. DRAIN.



**PLAN**  
64, 68 & 72-74 STANDISH ST

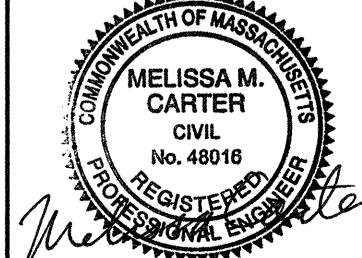
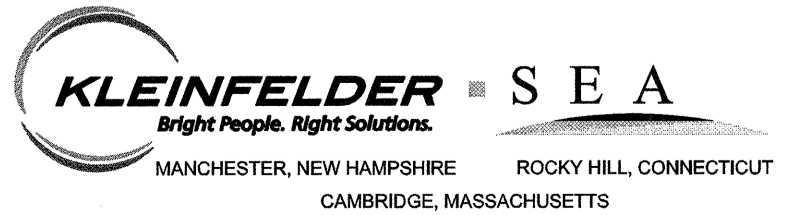
- NOTES FOR 64 & 68 STANDISH ST:
- PIPES ARE INTERNALLY SEPARATED. PERFORM DYE TEST OF ROOF DRAIN AND WASTE PIPING TO VERIFY CONNECTIVITY TO SEWER LATERAL IN STREET.
  - INSTALL NEW DRAIN LATERAL AND CONNECT TO EXIST. BLDG. DRAIN.



**PLAN**  
45-47, 53 & 57 STANDISH ST

- NOTES FOR 53 STANDISH ST:
- PIPES ARE INTERNALLY SEPARATED. PERFORM DYE TEST OF ROOF DRAIN AND WASTE PIPING TO VERIFY CONNECTIVITY TO SEWER LATERAL IN STREET.
  - INSTALL NEW DRAIN LATERAL AND CONNECT TO EXIST. BLDG. DRAIN.

CONFIRMED SET

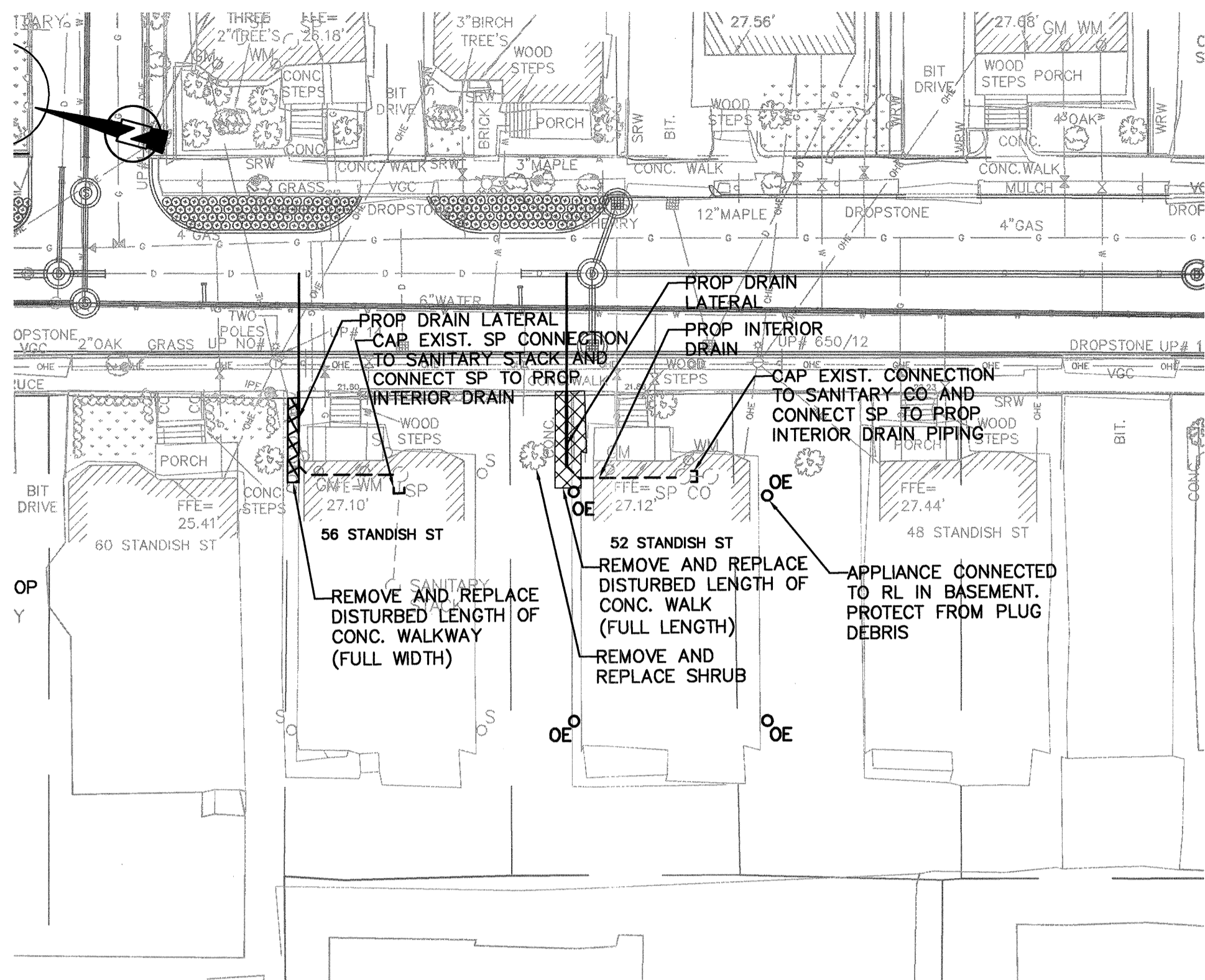


Scale	1"=20'				
Date	SEPTEMBER 2012				
Job No.	1010691				
Designed by	AMF				
Drawn by	ZSH				
Checked by	HED	No.		Description	Date
Approved by	MMC			REVISIONS	

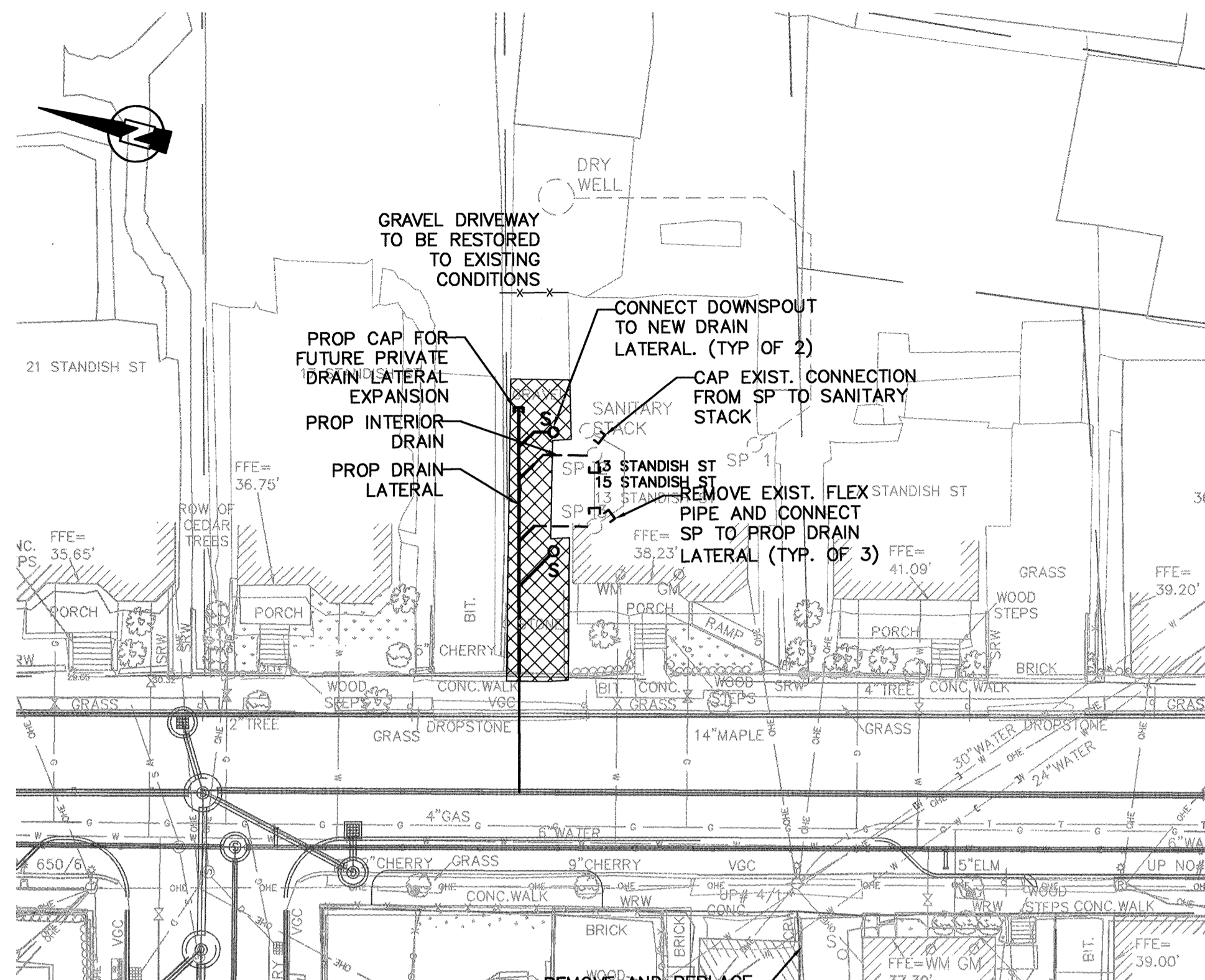


CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet No.
HURON A SEWER SEPARATION PROJECT	CP-7
CONTRACT NO. 8A	File No.
CIVIL - INFLOW REMOVAL, PLAN NO. 5 (LAKEVIEW AVE, MALCOLM RD, VASSAL LN, STANDISH ST)	

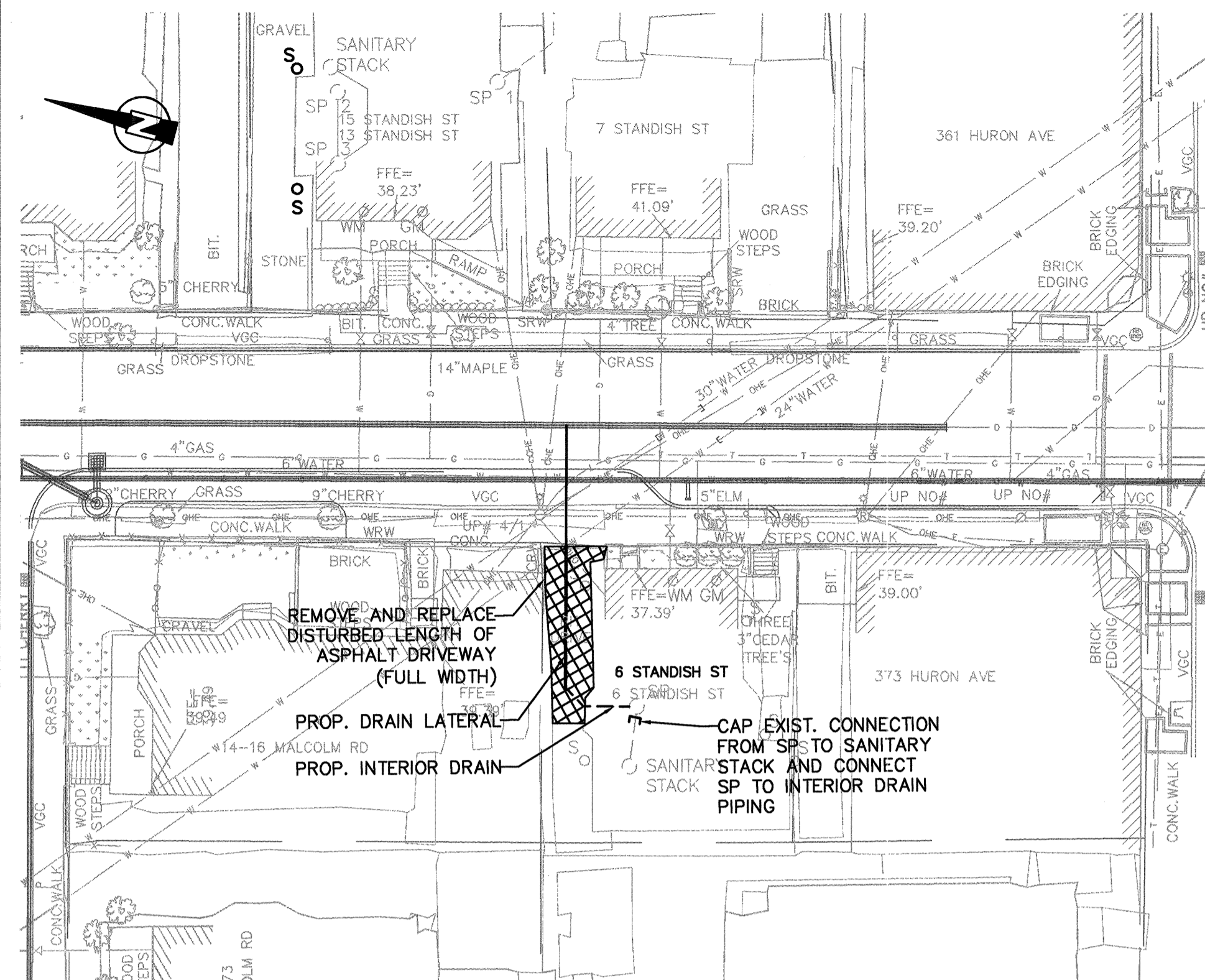




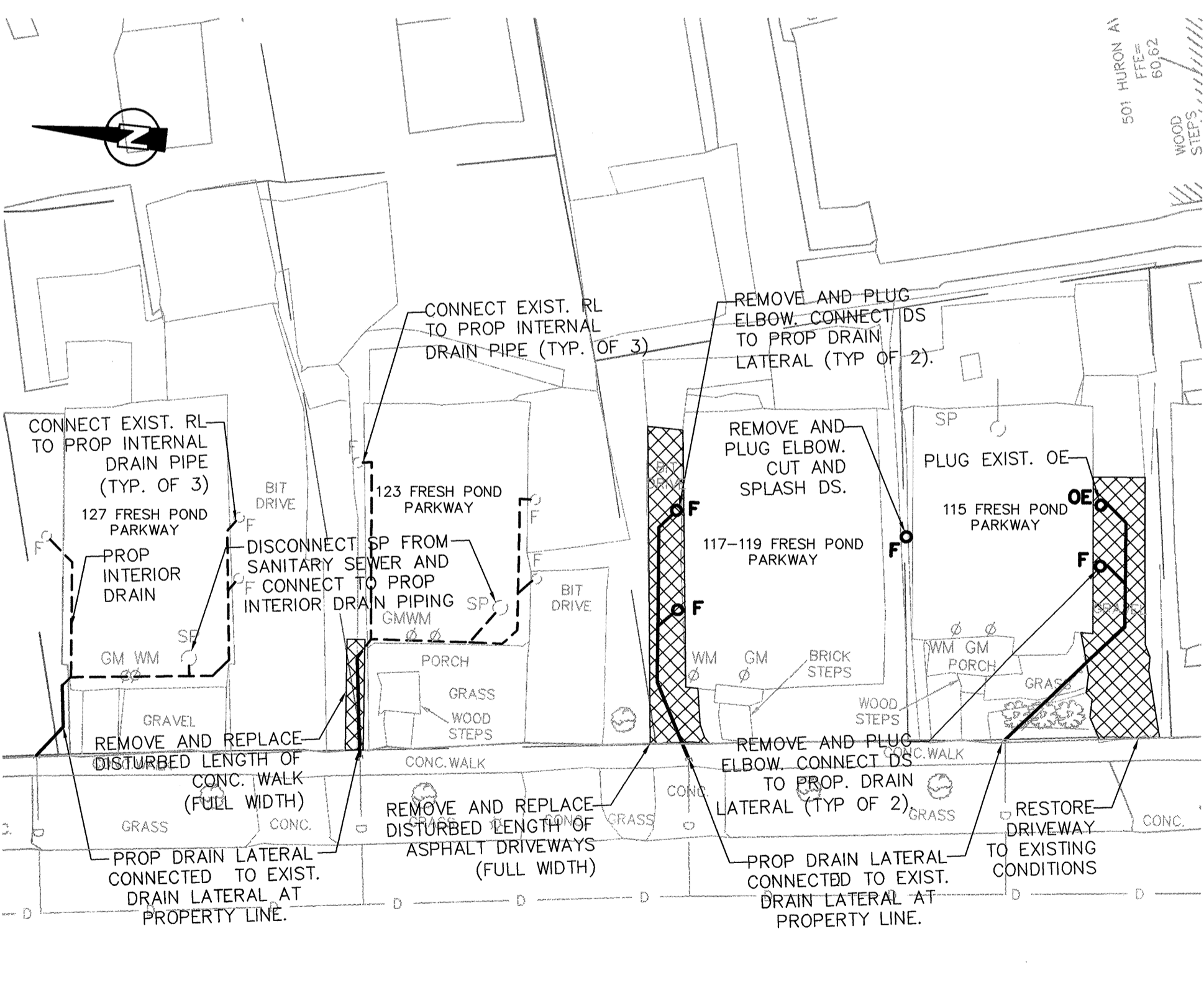
**PLAN**  
52 & 56 STANDISH ST



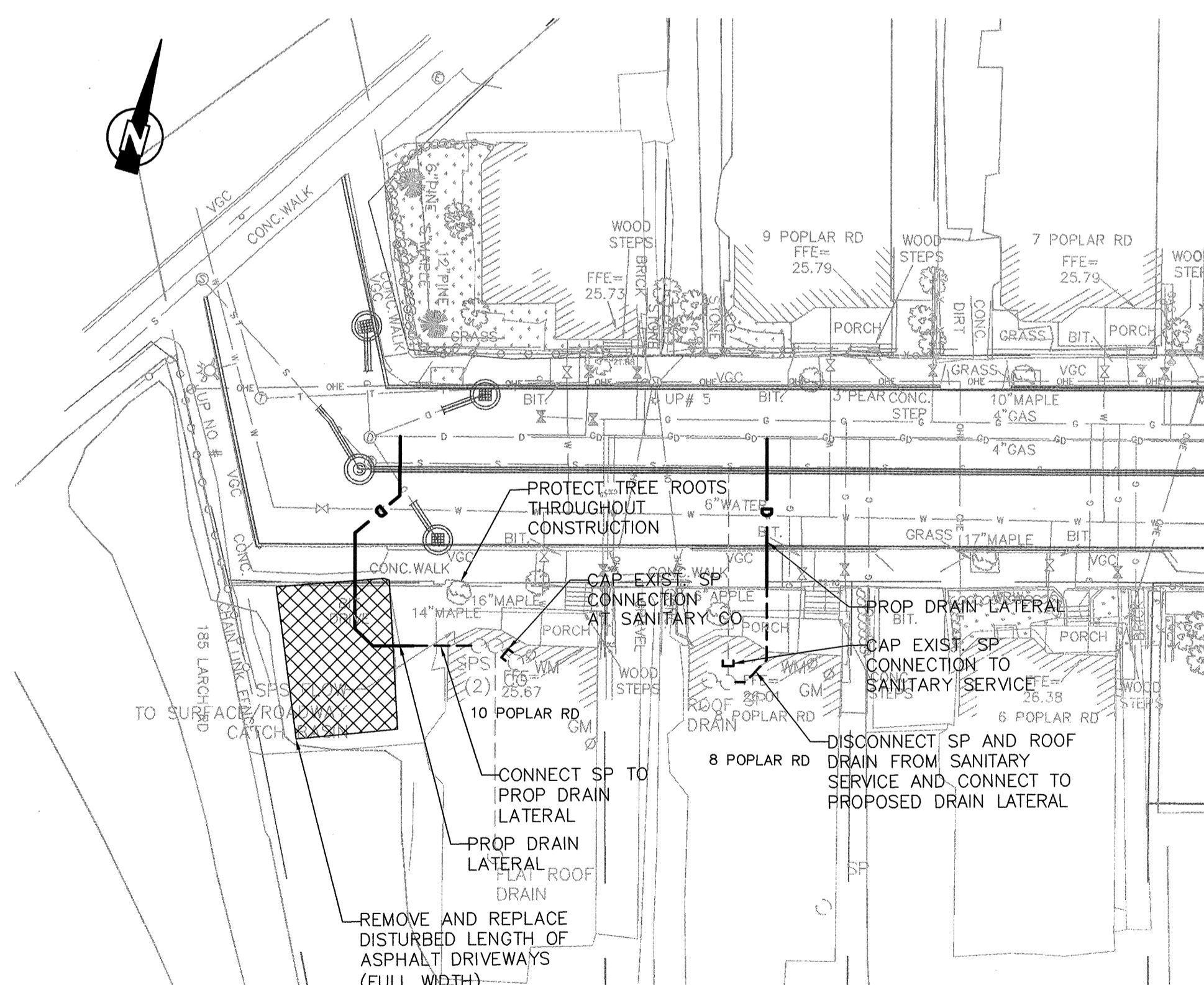
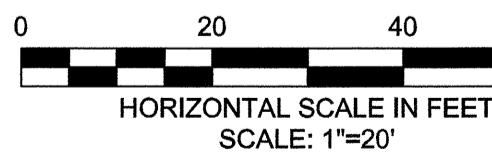
**PLAN**  
13-15 STANDISH ST



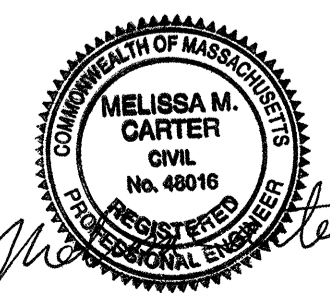
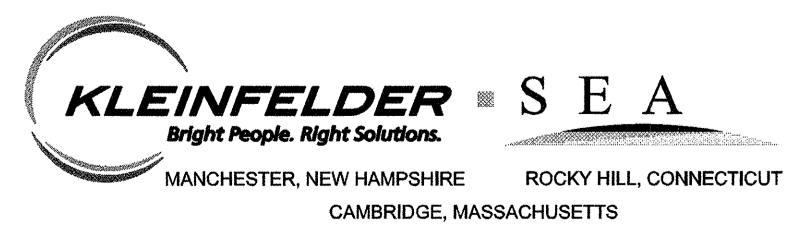
**PLAN**  
6 STANDISH ST



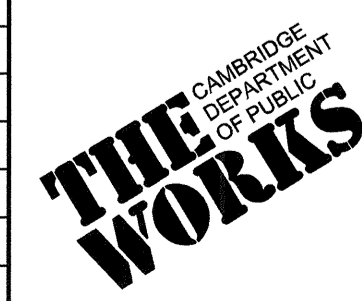
**PLAN**  
115, 117-119, 123 & 127 FRESH POND PKWY



**PLAN**  
8 & 10 POPLAR RD



Scale	1"=20'		
Date	SEPTEMBER 2012		
Job No.	1010691		
Designed by	AMF		
Drawn by	ZSH		
Checked by	HED	No.	Description
Approved by	MMC		REVISIONS



CITY OF CAMBRIDGE, MASSACHUSETTS	Sheet No.
HURON A SEWER SEPARATION PROJECT	CP-8
CONTRACT NO. 8A	File No.
CIVIL - INFLOW REMOVAL, PLAN NO. 6 (STANDISH ST, FRESH POND PKWY, POPLAR RD, HAWTHORNE PK)	

CONFORMED SET