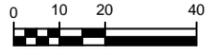
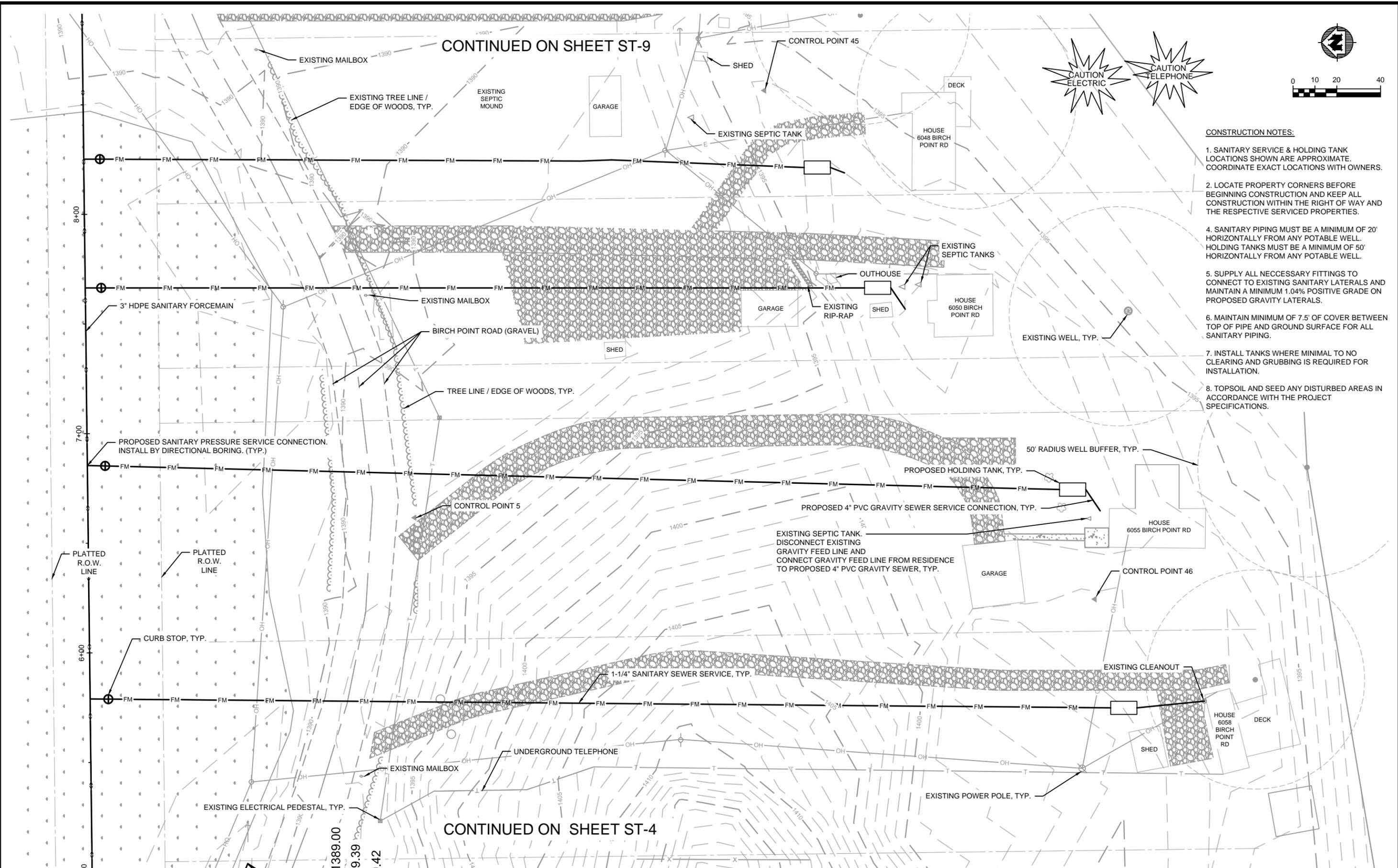
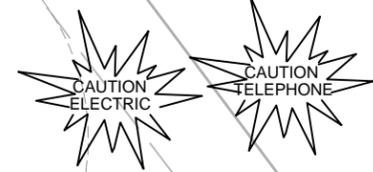


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CONSTRUCTION NOTES:

1. SANITARY SERVICE & HOLDING TANK LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH OWNERS.
2. LOCATE PROPERTY CORNERS BEFORE BEGINNING CONSTRUCTION AND KEEP ALL CONSTRUCTION WITHIN THE RIGHT OF WAY AND THE RESPECTIVE SERVICED PROPERTIES.
3. MAINTAIN MINIMUM OF 7.5' OF COVER BETWEEN TOP OF PIPE AND GROUND SURFACE FOR ALL SANITARY PIPING.
4. SANITARY PIPING MUST BE A MINIMUM OF 20' HORIZONTALLY FROM ANY POTABLE WELL. HOLDING TANKS MUST BE A MINIMUM OF 50' HORIZONTALLY FROM ANY POTABLE WELL.
5. SUPPLY ALL NECESSARY FITTINGS TO CONNECT TO EXISTING SANITARY LATERALS AND MAINTAIN A MINIMUM 1.04% POSITIVE GRADE ON PROPOSED GRAVITY LATERALS.
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8. TOPSOIL AND SEED ANY DISTURBED AREAS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.



CONTINUED ON SHEET ST-4

PROJECT NO.:	13118000	SCALE:	AS SHOWN	NO.:	1	DATE:	4/14/15
PROJECT DATE:		DRAWN BY:	CJL	REVISION:	ADDENDUM 4	BY:	MM
F.B.:		CHECKED BY:	JJJ				
4/14/2015 ADDENDUM 4							
PLOT DATE: 4/15/15, P:\131008\131108\13118000\Drawings\CADD\Construction Documents\ST-8 SANITARY SERVICES PLAN.dwg							

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JOSEPH J. JUREWICZ, P.E. 

JANUARY 20, 2015 50396
Date Registration No.

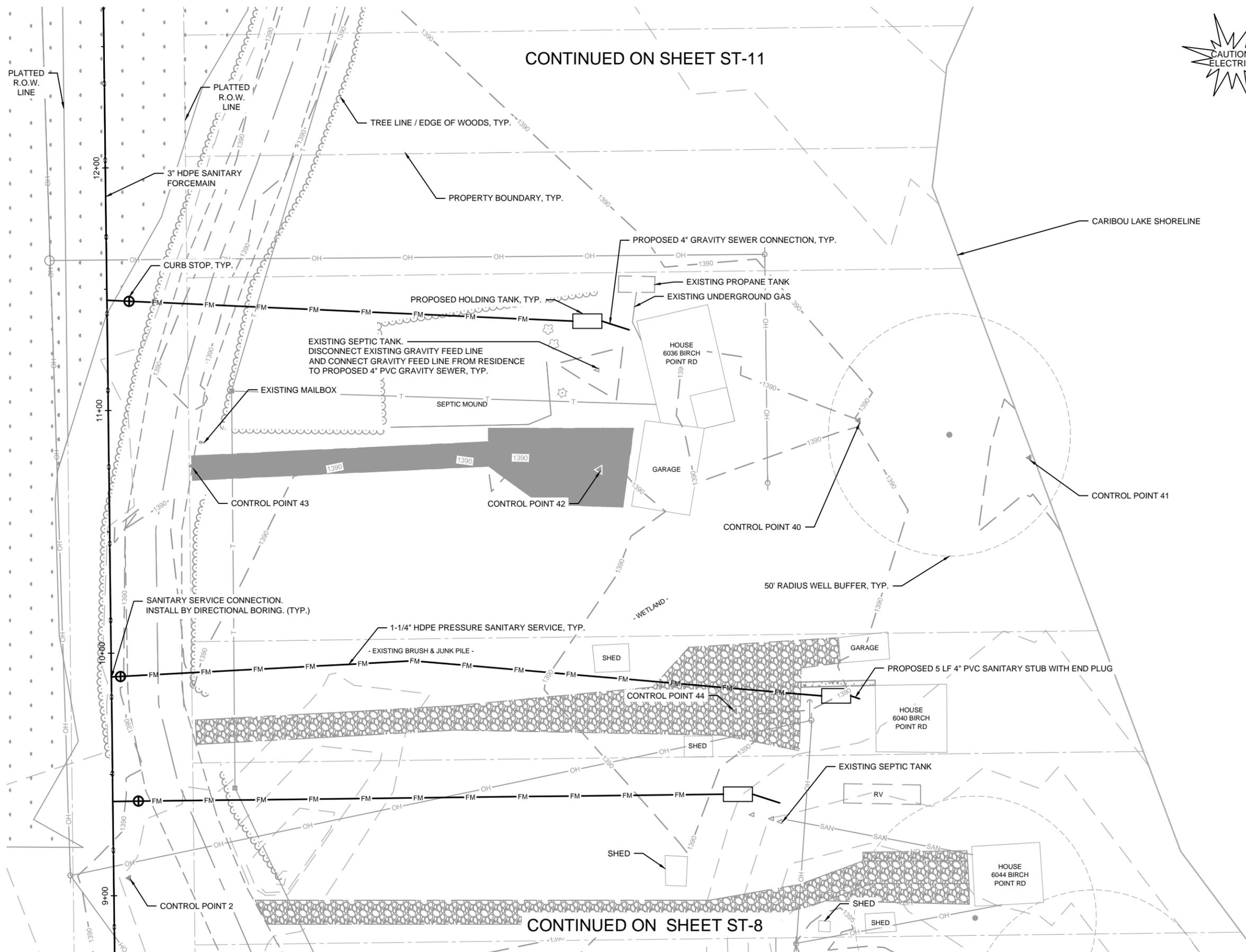
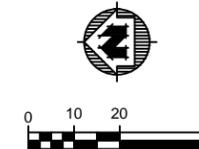
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SANITARY SERVICES PLAN

BIRCH POINT WASTEWATER SYSTEM
GRAND LAKE TOWNSHIP
ST. LOUIS COUNTY, MN

FILE NO. 13118000
SHEET ST-8

CONTINUED ON SHEET ST-11



CONSTRUCTION NOTES:

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CONTINUED ON SHEET ST-8

PROJECT NO.:	13118000	SCALE:	AS SHOWN	NO.:	1	DATE:	4/14/15
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F.B.:		CHECKED BY:	JJJ			BY:	MM
4/14/2015 ADDENDUM 4							
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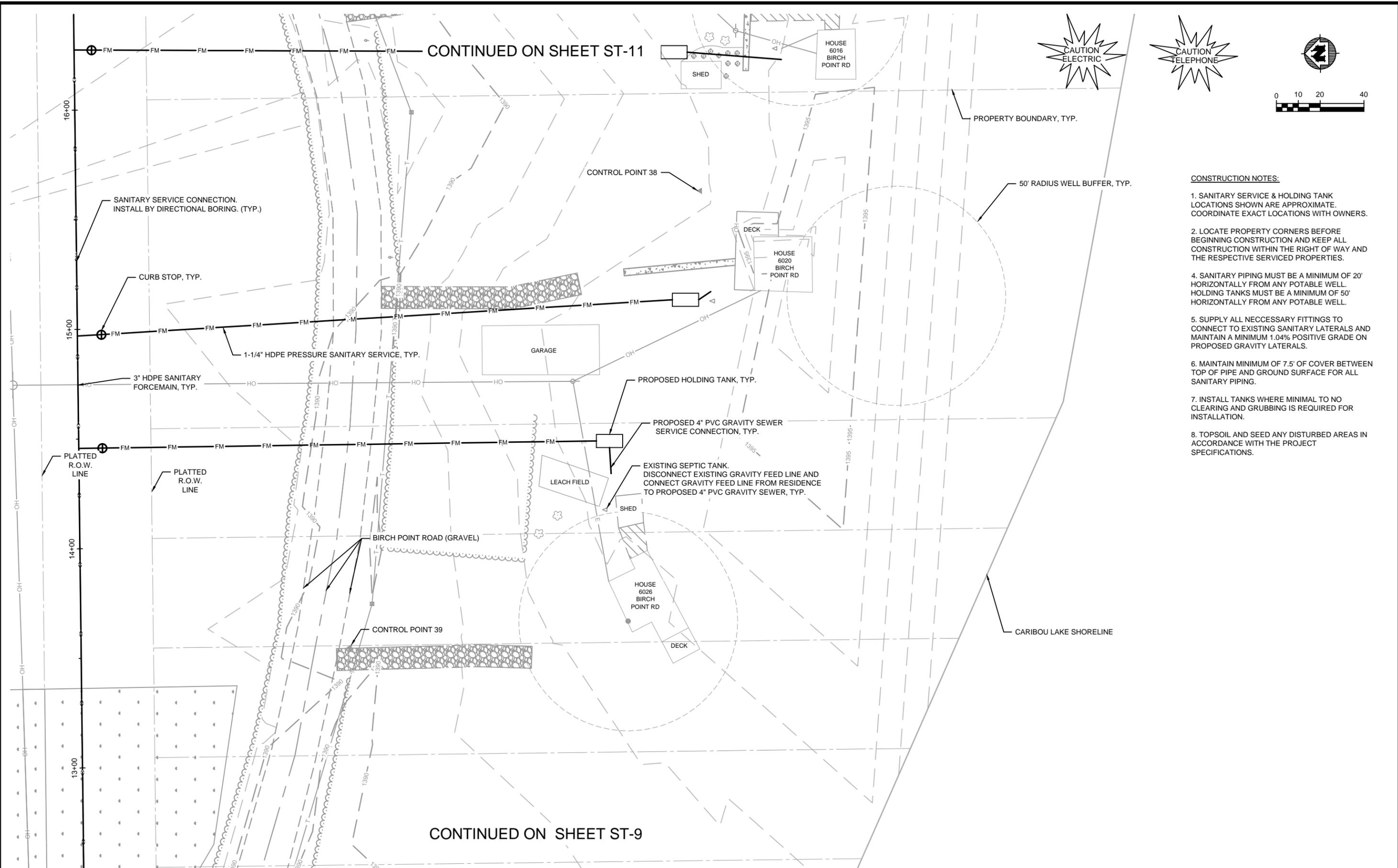
SANITARY SERVICES PLAN

BIRCH POINT WASTEWATER SYSTEM
GRAND LAKE TOWNSHIP
ST. LOUIS COUNTY, MN

FILE NO. 13118000
SHEET ST-9

CONTINUED ON SHEET ST-11

CONTINUED ON SHEET ST-9



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4/14/2015 ADDENDUM 4							
PLOT DATE: 4/15/15, P:\131000\131100\13118000\Drawings\CADD\Construction Documents\ST-10 SANITARY SERVICES.dwg							

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JOSEPH J. JUREWICZ, P.E.

JJJ

JANUARY 20, 2015
Date

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SANITARY SERVICES PLAN

BIRCH POINT WASTEWATER SYSTEM

GRAND LAKE TOWNSHIP

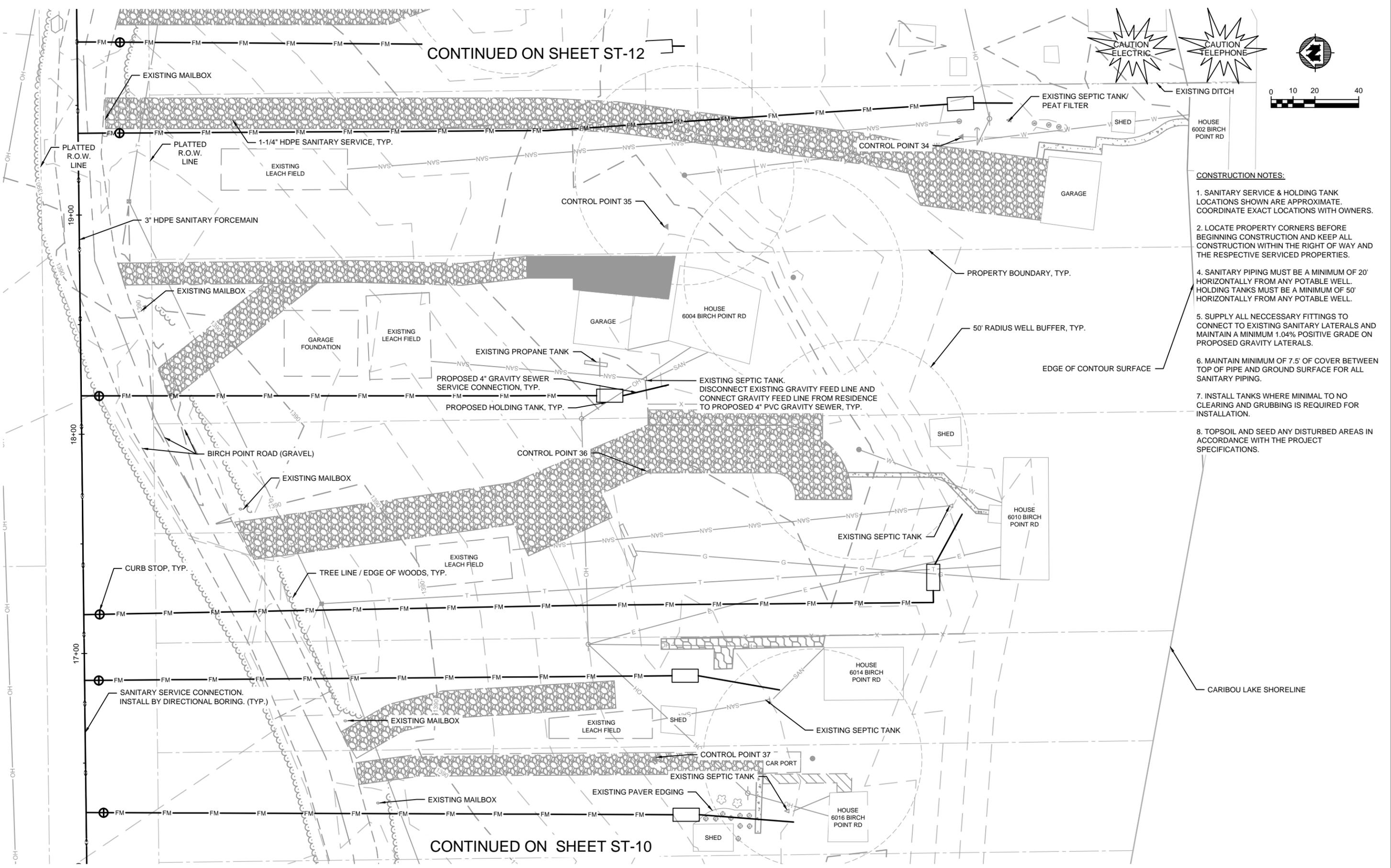
ST. LOUIS COUNTY, MN

FILE NO. 13118000

SHEET ST-10

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- CONSTRUCTION NOTES:**
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PROJECT DATE:		DRAWN BY:	CJL	CHECKED BY:	JJJ	REVISION:	ADDENDUM 4
F.B.:						BY:	MM
PLOT DATE: 4/15/15, P:\131000\131100\13118\13118000\Drawings\CADD\Construction Documents\ST-11 SANITARY SERVICES PLAN.dwg							

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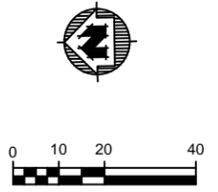
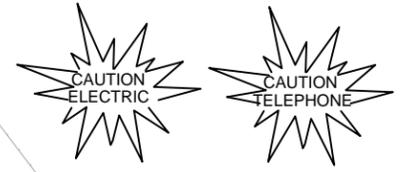
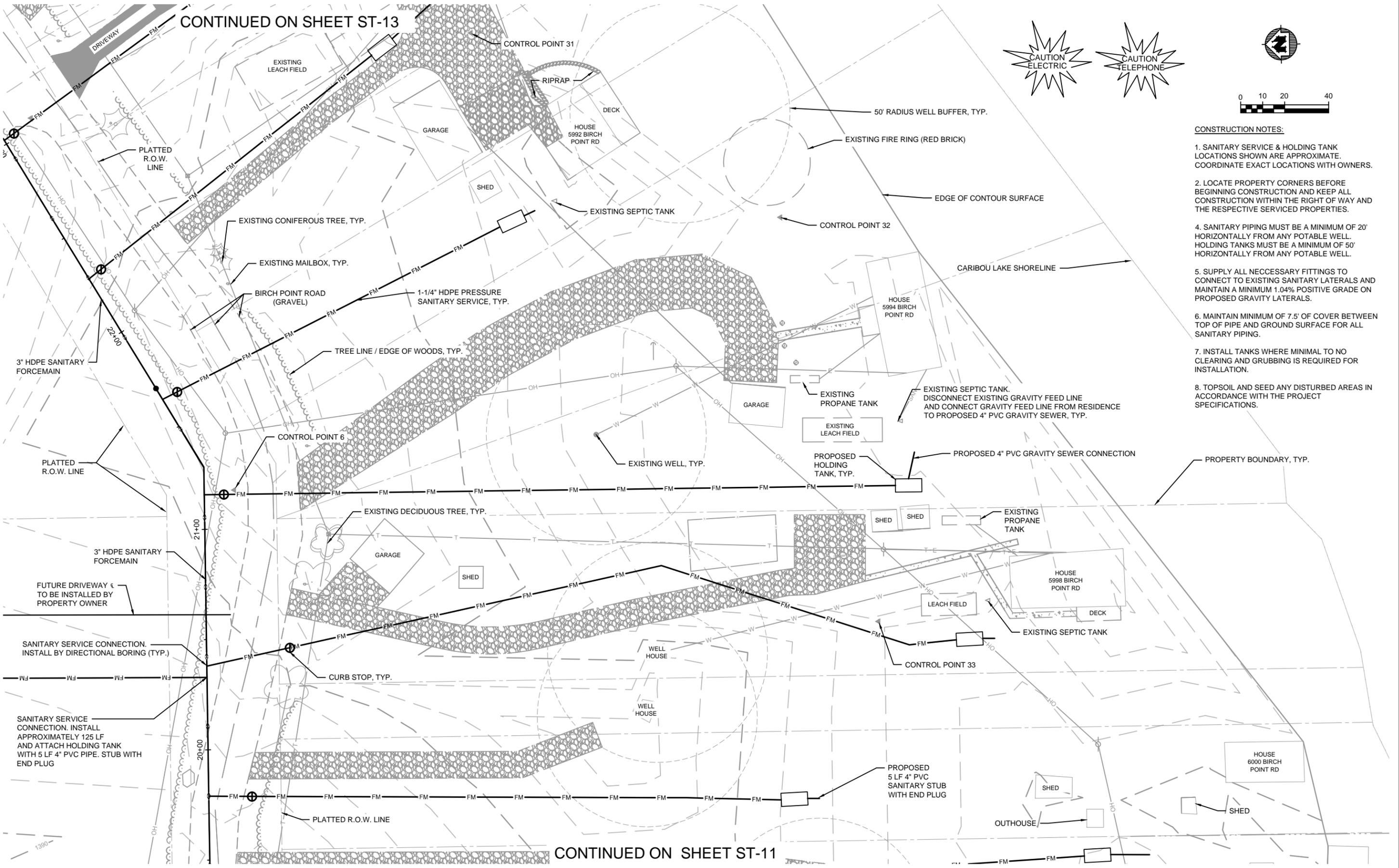
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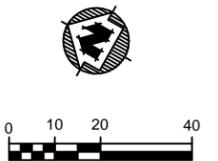
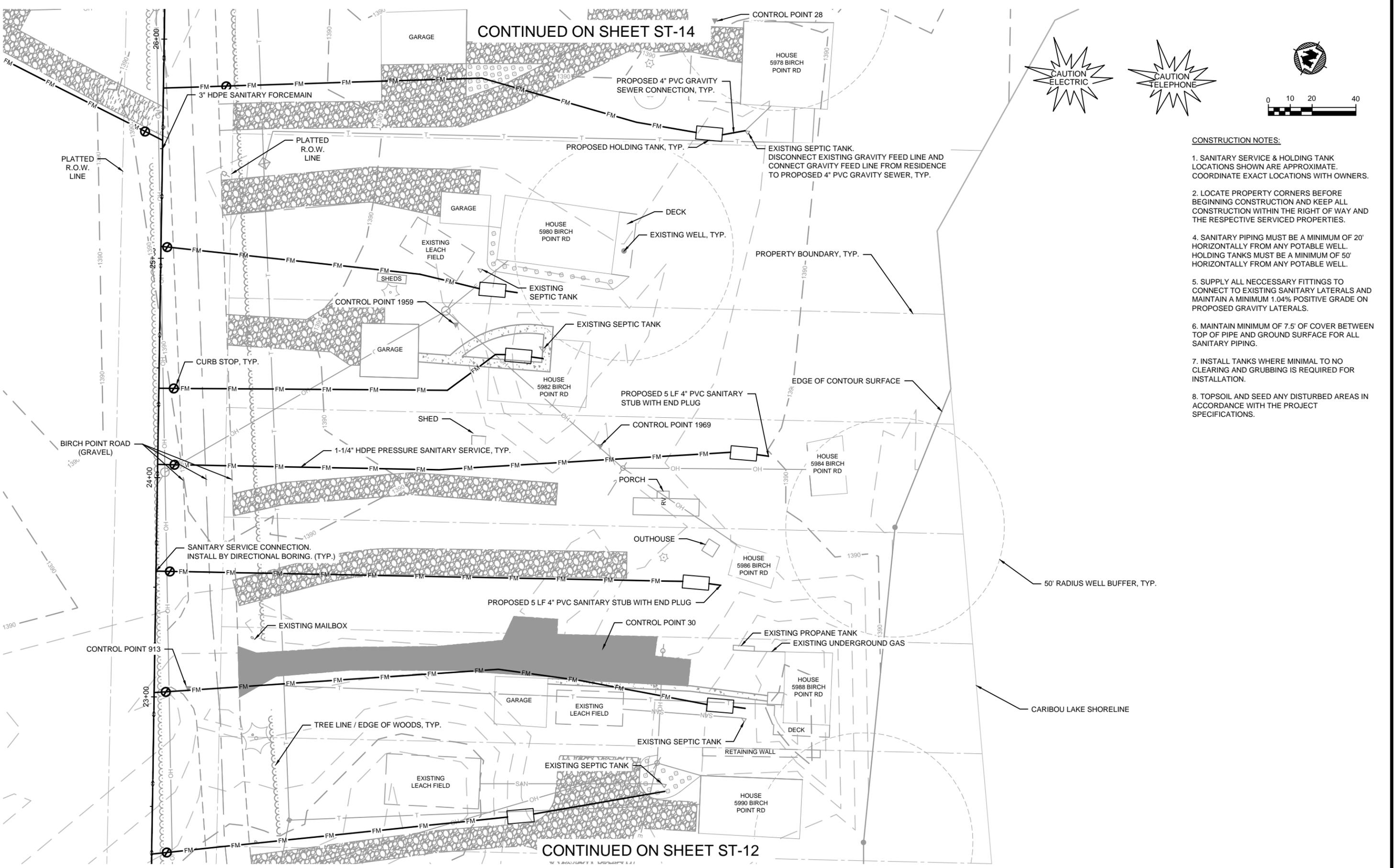
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- CONSTRUCTION NOTES:**
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CONTINUED ON SHEET ST-11

PROJECT NO.: 13118000	SCALE: AS SHOWN	NO. 1	DATE 4/14/15	REVISION: ADDENDUM 4	BY: MM	I HEREBY CERTIFY THAT THIS PLAN, REPORT, OR SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. JOSEPH J. JUREWICZ, P.E.	TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL 332 W. Superior Street, Duluth, MN 55802 218-722-3915, 1-800-777-7390 Fax: 218-722-4548 Web Address: www.msa-ps.com © MSA Professional Services, Inc.	SANITARY SERVICES PLAN	BIRCH POINT WASTEWATER SYSTEM GRAND LAKE TOWNSHIP ST. LOUIS COUNTY, MN	FILE NO. 13118000
PROJECT DATE:	DRAWN BY: CJL	CHECKED BY: JJJ	DATE: JANUARY 20, 2015	REGISTRATION NO. 50396	SHEET ST-12					
F.B.:	4/14/2015 ADDENDUM 4									
PLOT DATE: 4/15/15, P:\131000\131100\13118\13118000\Drawings\CADD\Construction Documents\ST-12 SANITARY SERVICES PLAN.dwg										

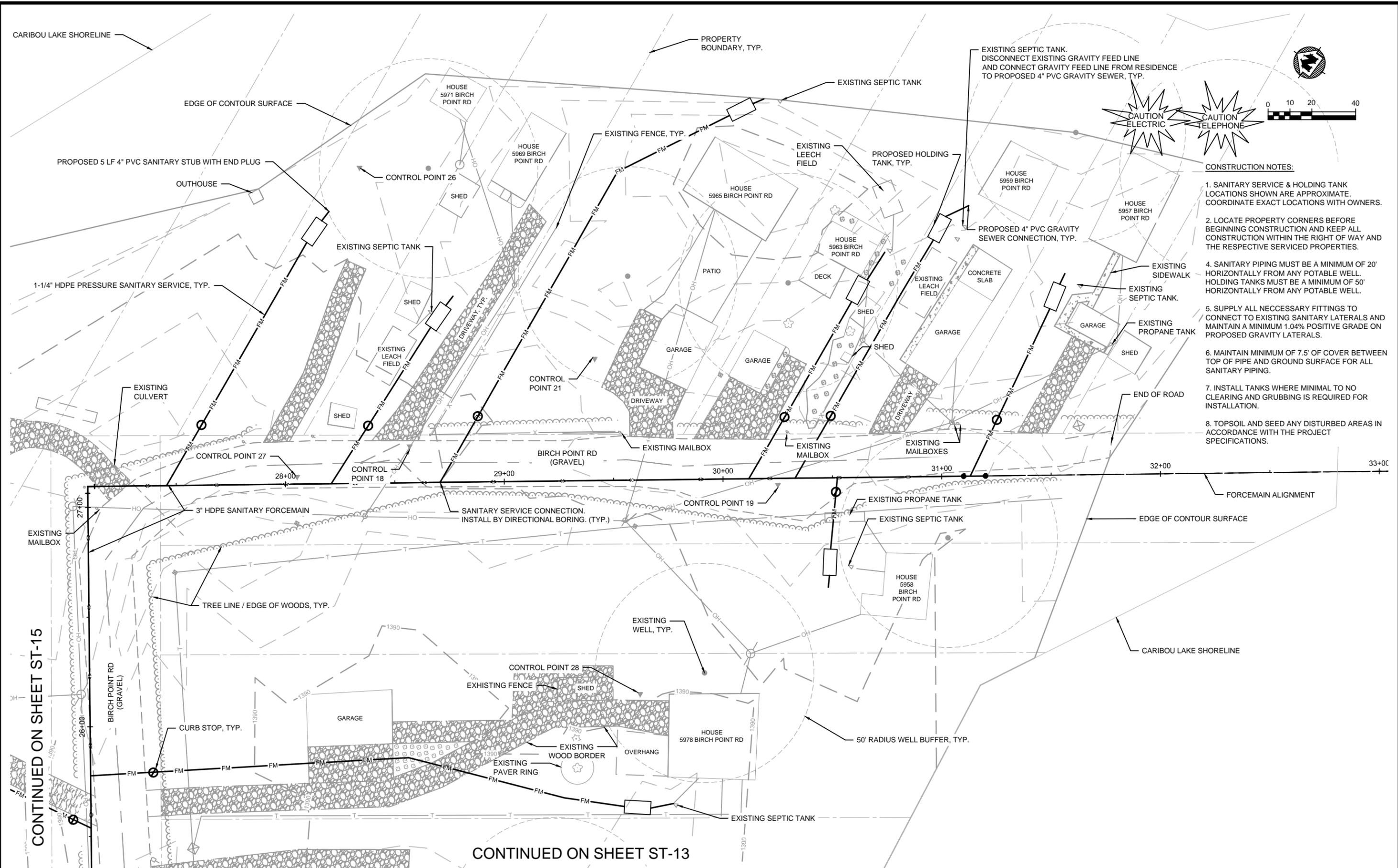


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 3. (Not explicitly numbered in the image, but implied by context)
 4. SANITARY PIPING MUST BE A MINIMUM OF 20' HORIZONTALLY FROM ANY POTABLE WELL. HOLDING TANKS MUST BE A MINIMUM OF 50' HORIZONTALLY FROM ANY POTABLE WELL.
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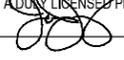
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PLOT DATE: 4/15/15	4/14/2015 ADDENDUM 4				SHEET ST-13				
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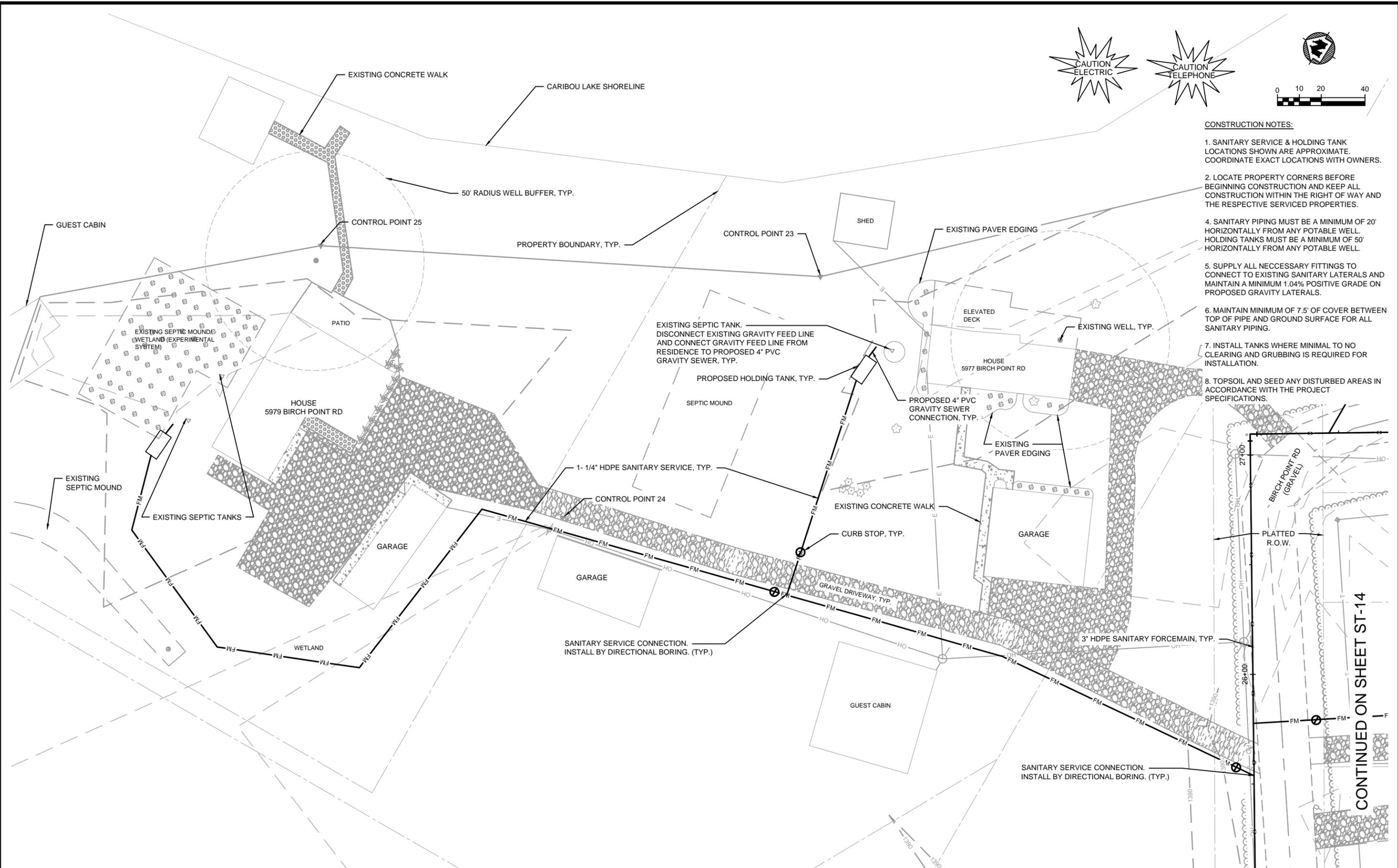
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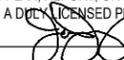
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PROJECT DATE:	DRAWN BY: CJL	1	4/14/15	ADDENDUM 4	MM					SHEET ST-14
F.B.:	CHECKED BY: JJJ									
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PROJECT DATE:	DRAWN BY: CJL	CHECKED BY: JJJ			SHEET ST-15				
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PLOT DATE: 4/15/15, P:\131000\131100\13118\13118000\Duluth\CADD\Construction Documents\ST-15 SANITARY SERVICES PLAN.dwg									