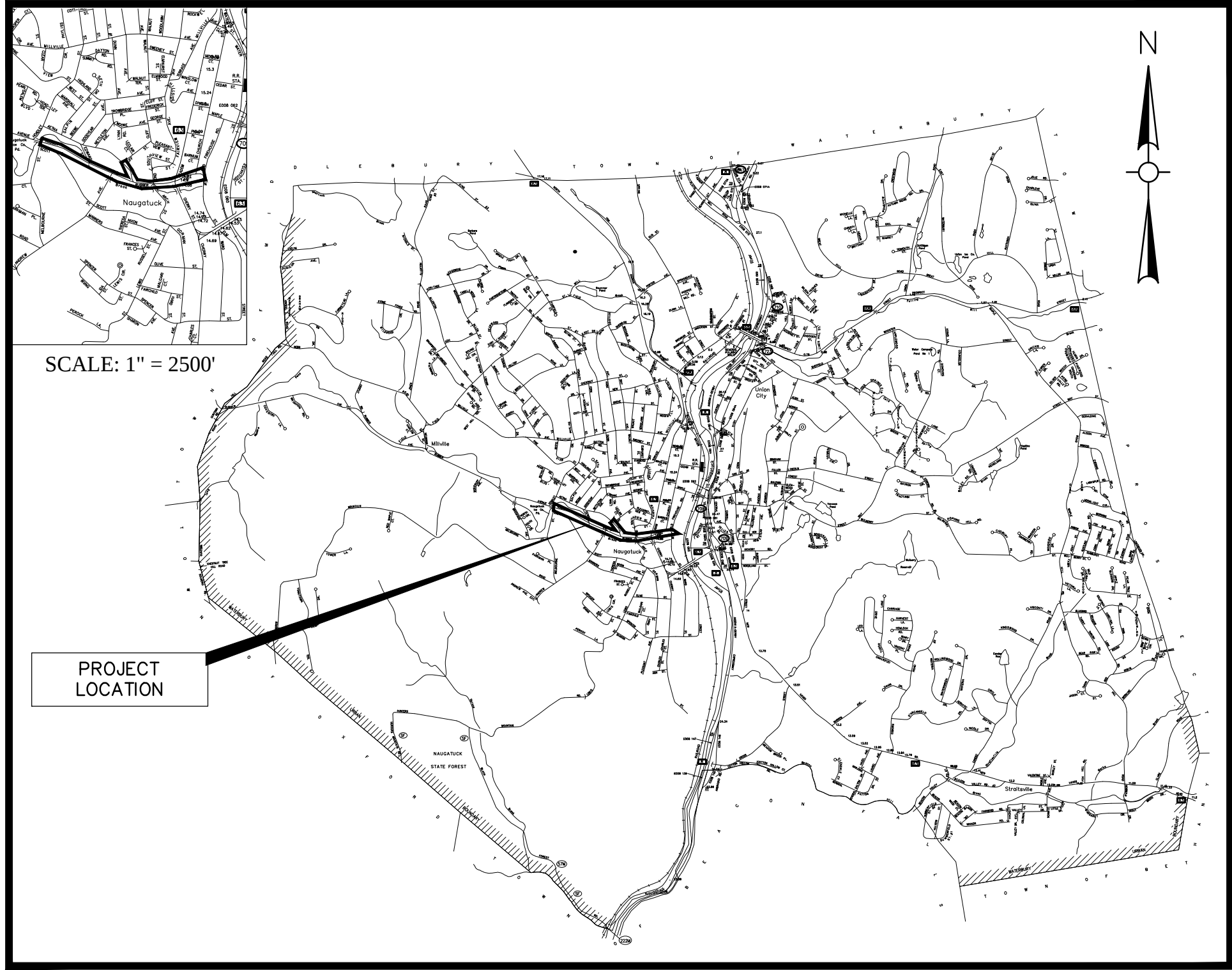
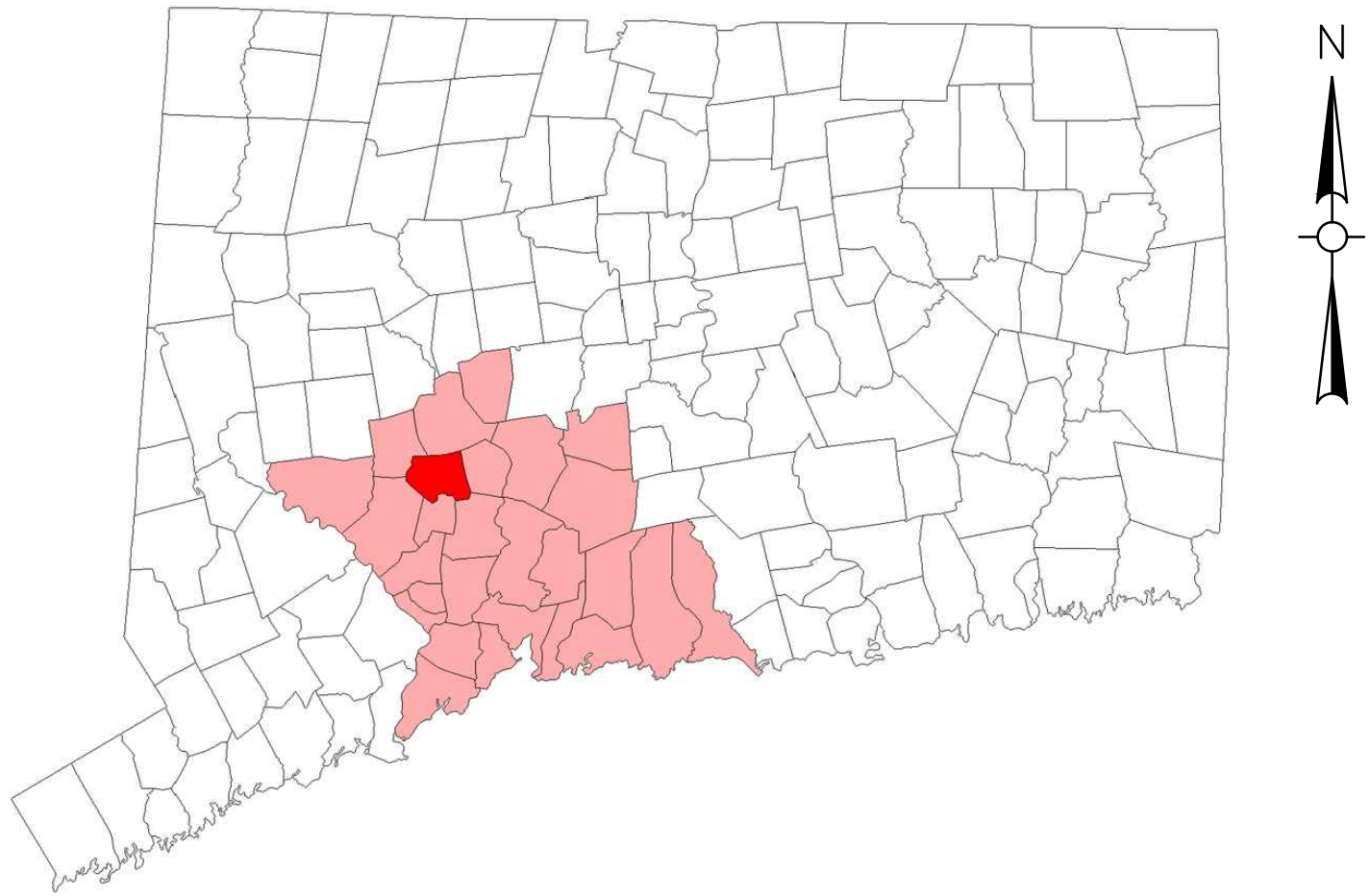




LOCATION MAP
SCALE: 1" = 5000'

BOROUGH OF NAUGATUCK RUBBER AVENUE RECONSTRUCTION

LOTICIP APPLICATION
AUGUST 2019



NOT TO SCALE

2016 CONNECTICUT DEPARTMENT OF
TRANSPORTATION SPECIFICATIONS FORM 817
AND SUPPLEMENTAL SPECIFICATIONS

SURVEY INFORMATION DERIVED FROM:
GESICK & ASSOCIATES, P.C.
CT DEEP

VERTICAL DATUM - NAVD88
HORIZONTAL DATUM - NAD83

DESIGNED BY:
WESTON & SAMPSON ENGINEERS, INC.
273 DIVIDEND ROAD
ROCKY HILL, CT 06067



N-WARREN "PETE" HESS
MAYOR

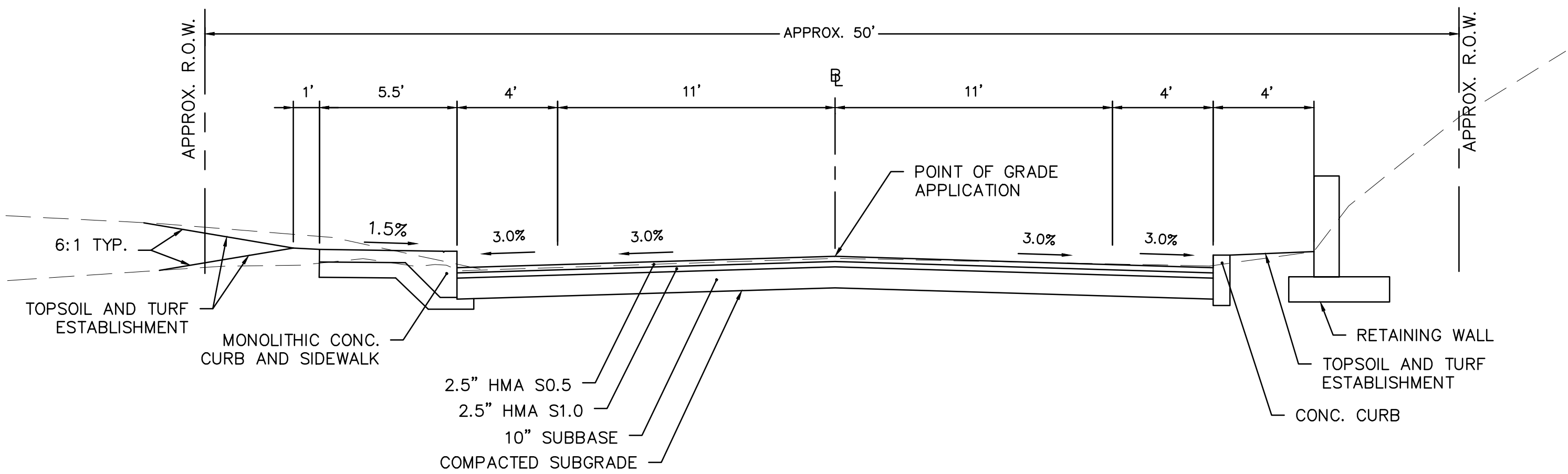
JAMES STEWART, P.E.
DIRECTOR OF
PUBLIC WORKS

CONTENTS		
SHEET NO.	SHEET NAME	SHEET TITLE
1-3	TYP-1 to TYP-3	TYPICAL SECTIONS
4-6	BOR-1 to BOR-3	BORING LOGS
7	HWY-1	ROADWAY PLAN AND PROFILE - RUBBER AVENUE STA. 3+70 TO STA. 12+00
8	HWY-2	ROADWAY PLAN AND PROFILE - RUBBER AVENUE STA. 12+00 TO STA. 24+00
9	HWY-3	ROADWAY PLAN AND PROFILE - RUBBER AVENUE STA. 24+00 TO STA. 34+00
10	HWY-4	ROADWAY PLAN AND PROFILE - RUBBER AVENUE STA. 34+00 TO STA. 38+25
11	HWY-5	ROADWAY PLAN AND PROFILE - AETNA STREET STA. 110+00 TO 114+80
12	HWY-6	PROFILE - CHERRY ST. & MEADOW ST.
13	HWY-7	PROFILE - ROUNDAABOUT STA. 100+00 TO STA. 102+63.89
14	VEH-1	VEHICLE TURNING PLAN (WB-62) ROUNDAABOUT
15	VEH-2	VEHICLE TURNING PLAN (B-40) ROUNDAABOUT

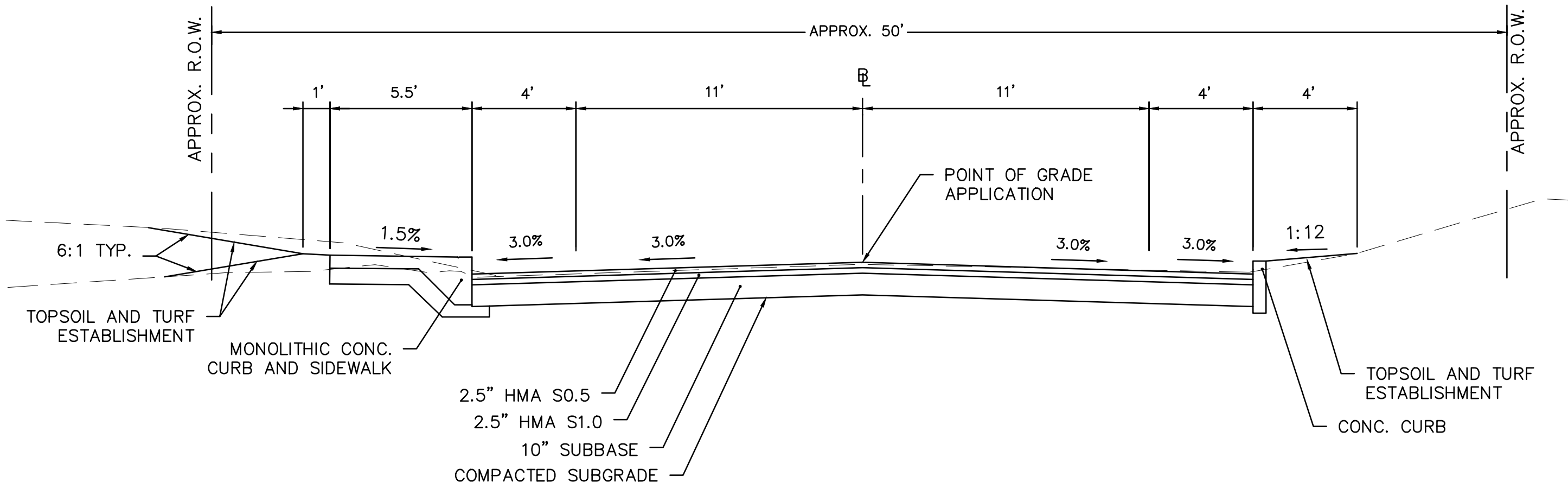


273 Dividend Road, Rocky Hill, CT 06067
860.513.1473 800.SAMPSON
www.westonandsampson.com

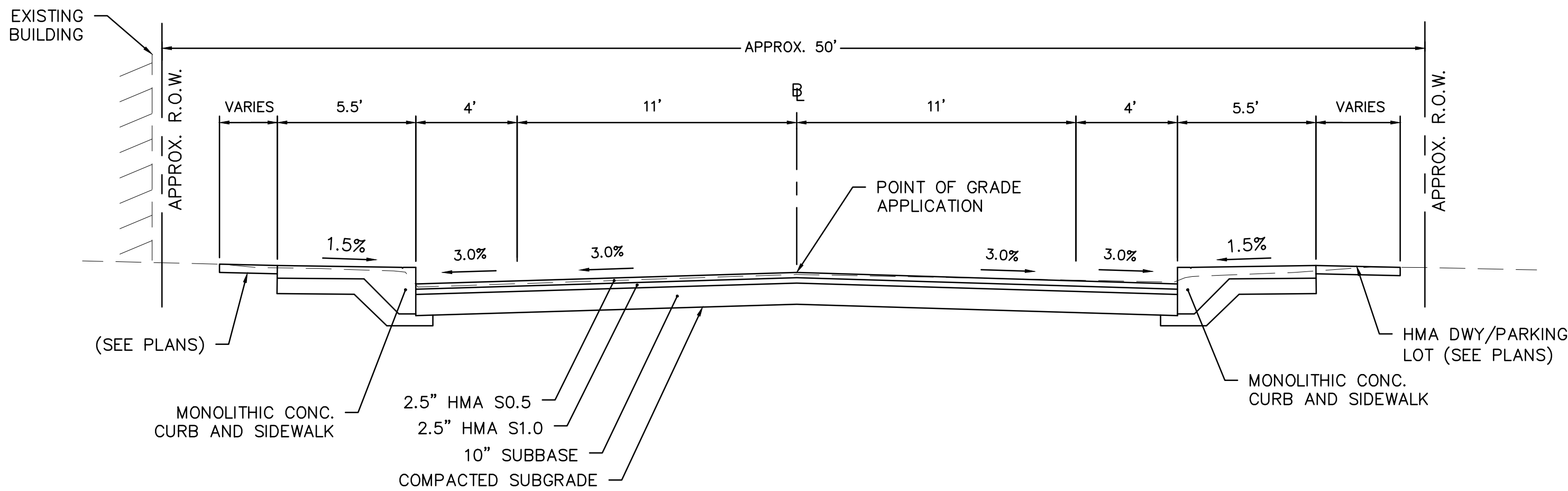
P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_TYP.dwg



RUBBER AVENUE
STA 3+70 TO STA 5+50
SCALE: 1"=4'



RUBBER AVENUE
STA 4+70 TO STA 13+38
SCALE: 1"=4'



RUBBER AVENUE
STA 13+38 TO STA 18+30
STA 24+55 TO STA 31+00
SCALE: 1"=4'

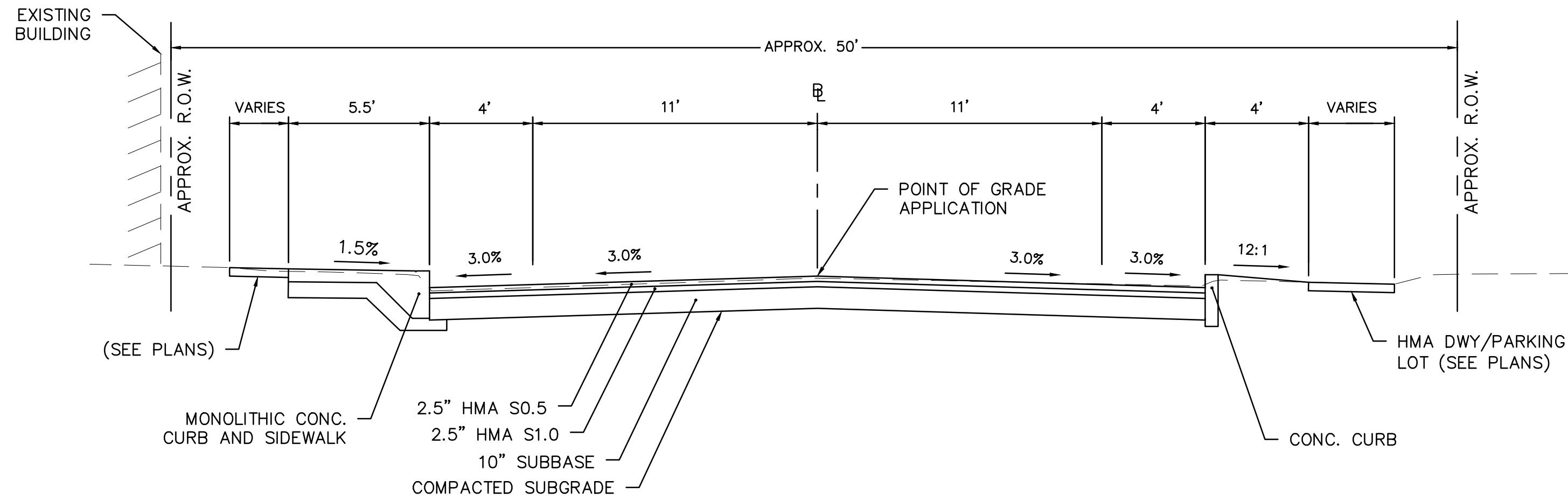
No.	Date	Dr.By	Ch.By	App.By	Description
		A	P	R	O
					V
					E
					D
REGISTERED PROFESSIONAL ENGINEER					DATE

LOT/CP
APPLICATION
08/2019

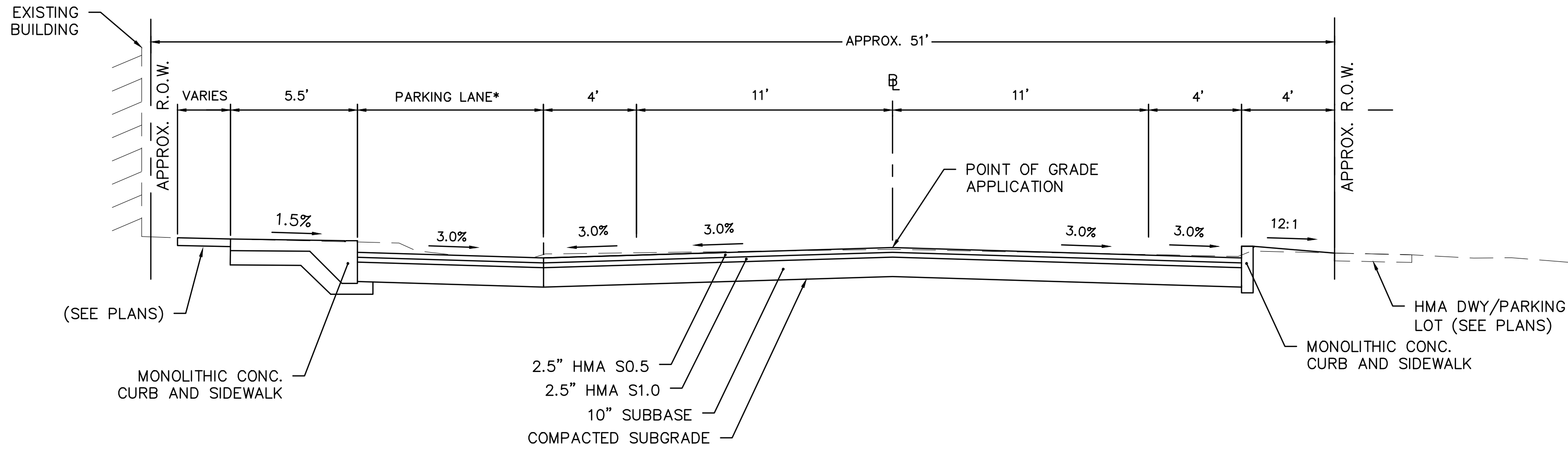
BOROUGH OF NAUGATUCK		RUBBER AVENUE RECONSTRUCTION		TYPICAL SECTIONS		APP.BY
						ALN
						CHK.BY
						ALN
						DSN.BY
						LAS
						DR.BY
						LEC
						JOB NO.
						2180733
						CONTRACT:
						AS SHOWN
						SCALE:
						-
						CADD NO.
						-

TYP-1
FILE NO. 1

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_TYP.dwg

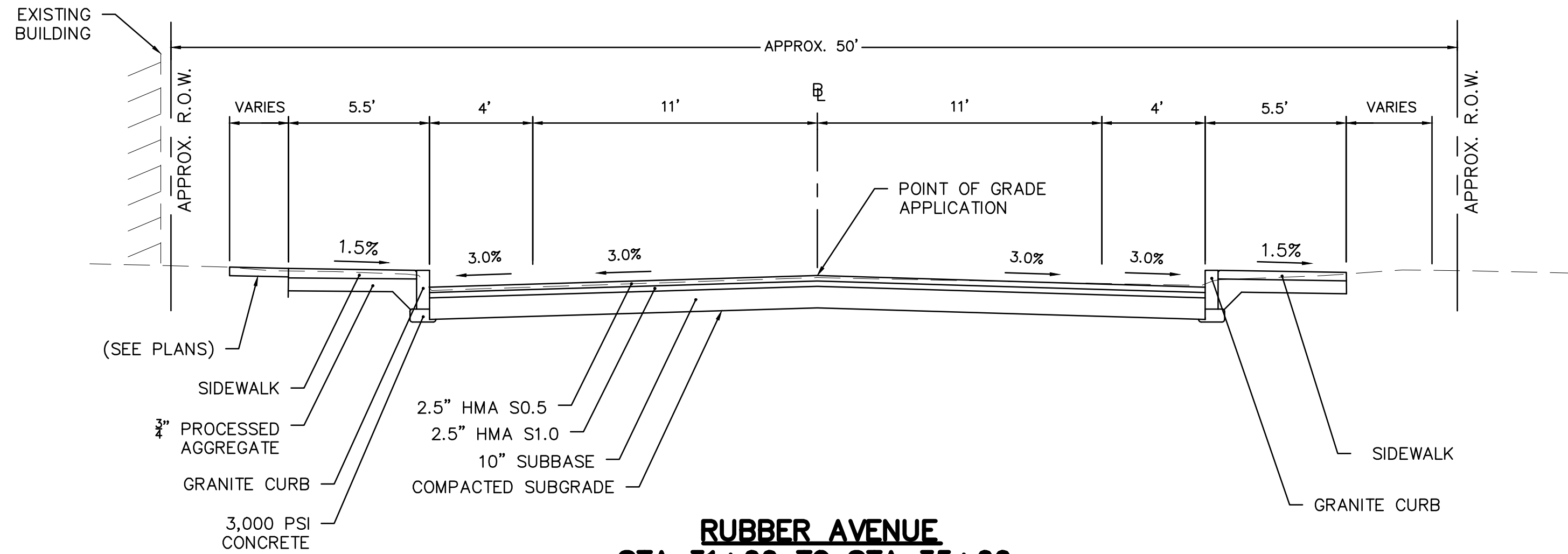


RUBBER AVENUE
STA 13+38 TO STA 18+30
SCALE: 1"=4'



RUBBER AVENUE
STA 20+00 TO STA 24+55
SCALE: 1"=4'

* STA 20+00 TO 23+00 WIDTH 8'
STA 23+00 TO 24+55 WIDTH 7'



RUBBER AVENUE
STA 31+00 TO STA 35+00
SCALE: 1"=4'

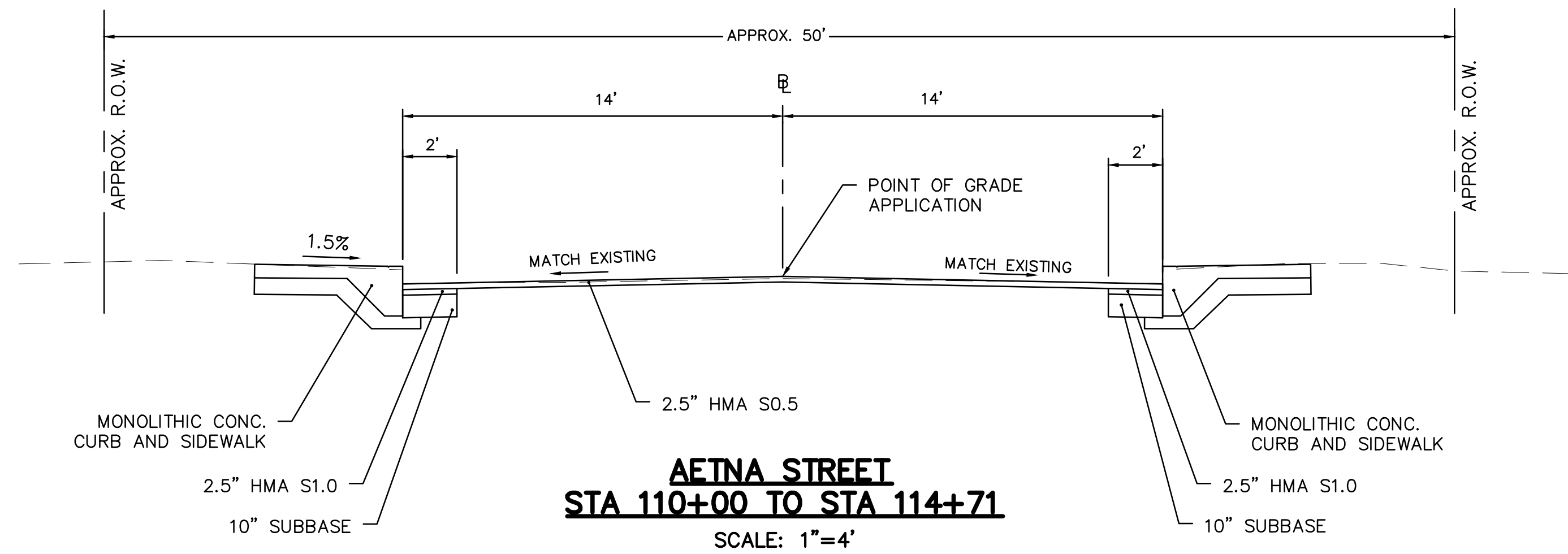
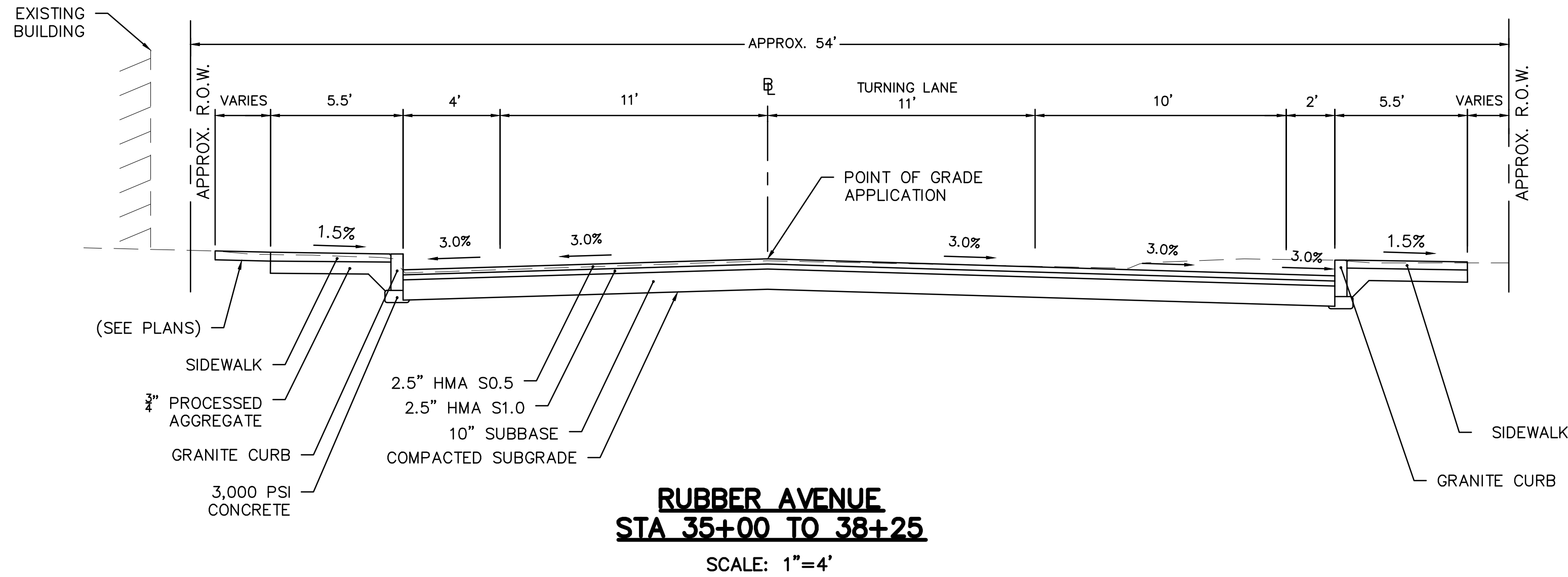
No.	Date	Dr.By	Ch.By	App.By	Description
		A	P	R	O
					V
					E
					D
REGISTERED PROFESSIONAL ENGINEER					DATE

LOT/CP
APPLICATION
08/2019

BOROUGH OF NAUGATUCK		RUBBER AVENUE RECONSTRUCTION		TYPICAL SECTIONS	
FILE NO.	CADD NO.	SCALE	CONTRACT	JOB NO.	DR.BY
2180733	2180733	AS SHOWN		2180733	LEC
CHK.BY	DSN.BY	APP.BY			
ALN	LAS	ALN			

TYP-2
FILE NO. 1

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_TYP.dwg



TYP-3

FILE NO.

BOROUGH OF NAUGATUCK
RUBBER AVENUE RECONSTRUCTION
TYPICAL SECTIONS

CADD NO. - SCALE: AS SHOWN CONTRACT: JOB NO. 2180733 DR.BY LEC DSN.BY LAS CHK.BY ALN APP.BY ALN

LOT/CP APPLICATION
08/2019

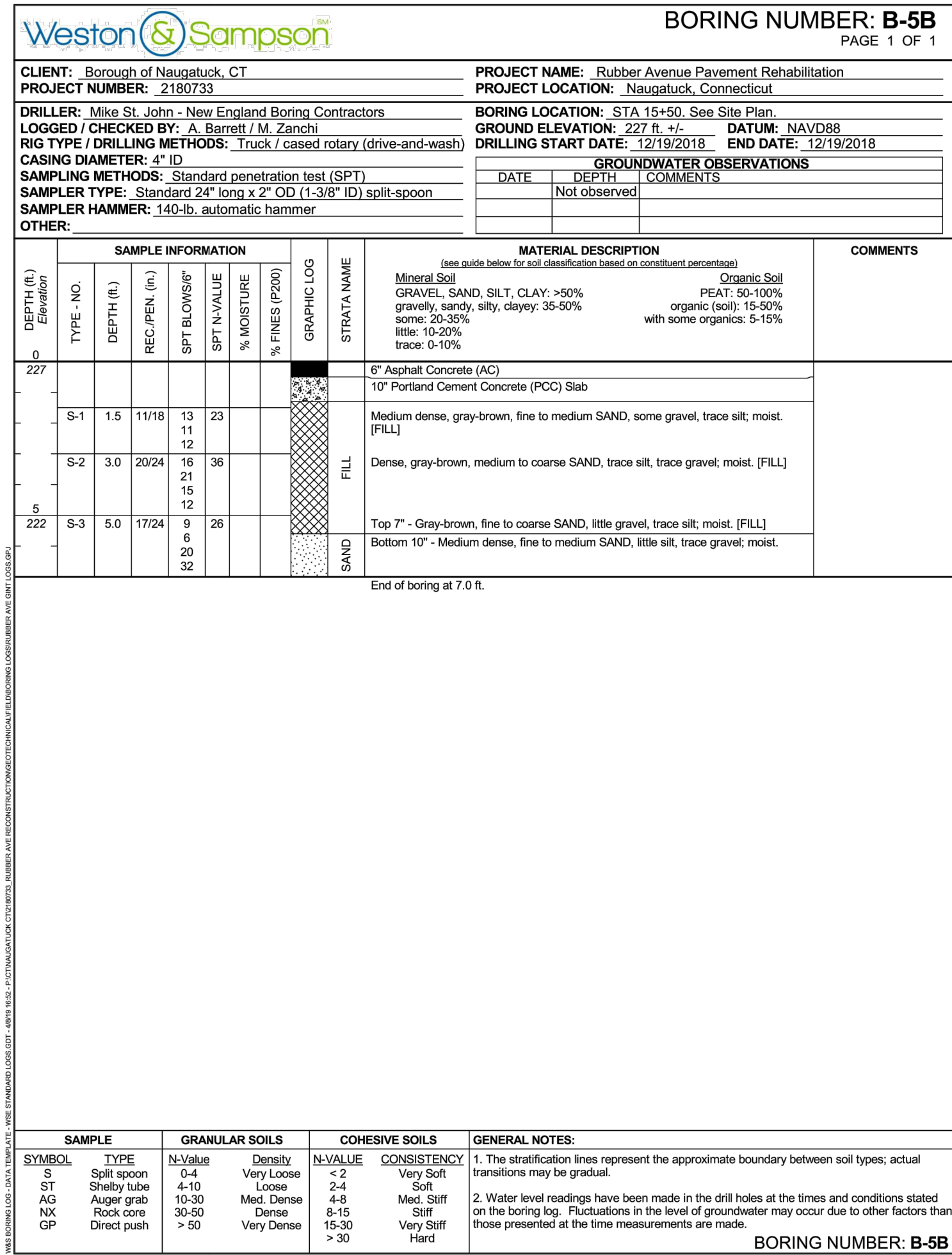
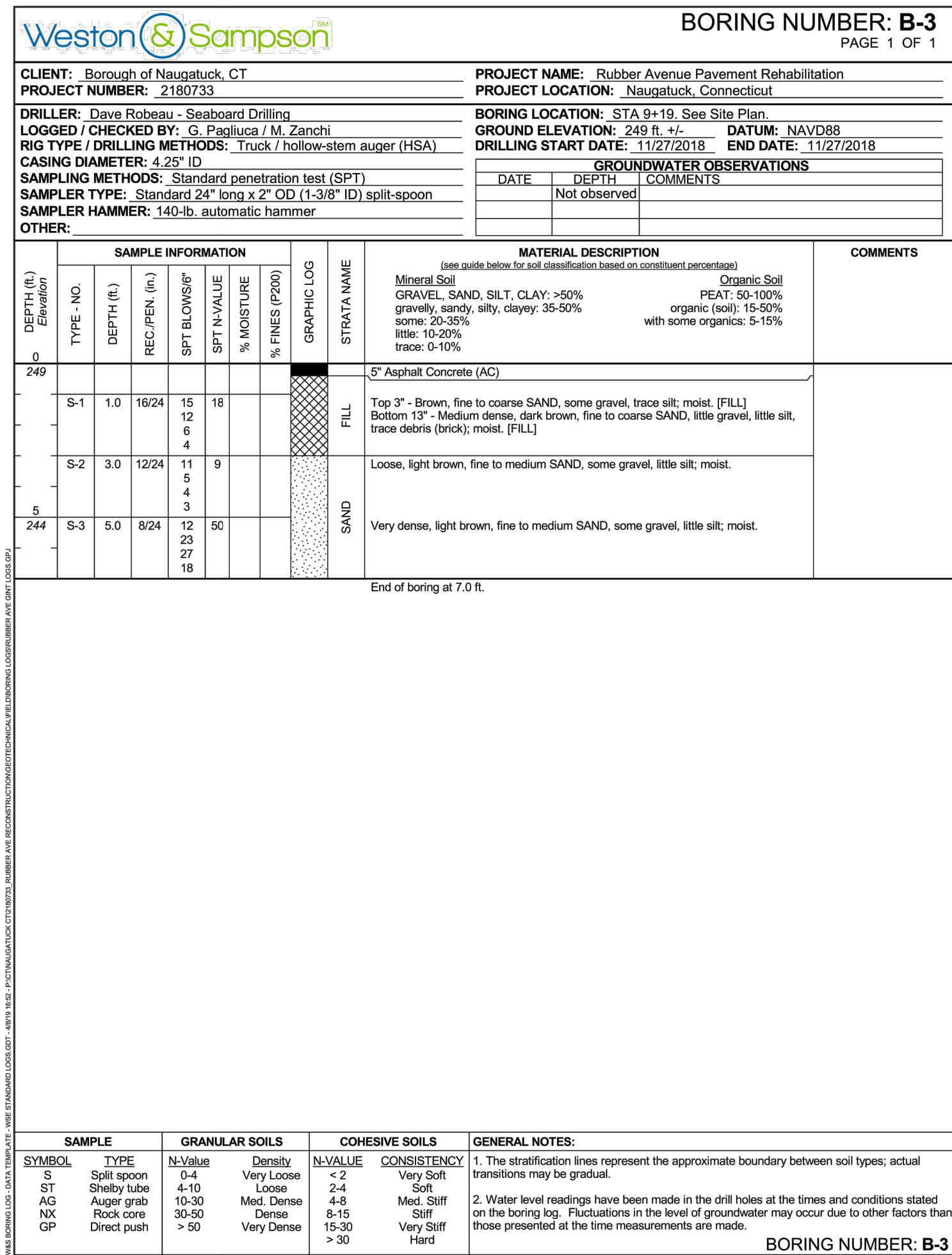
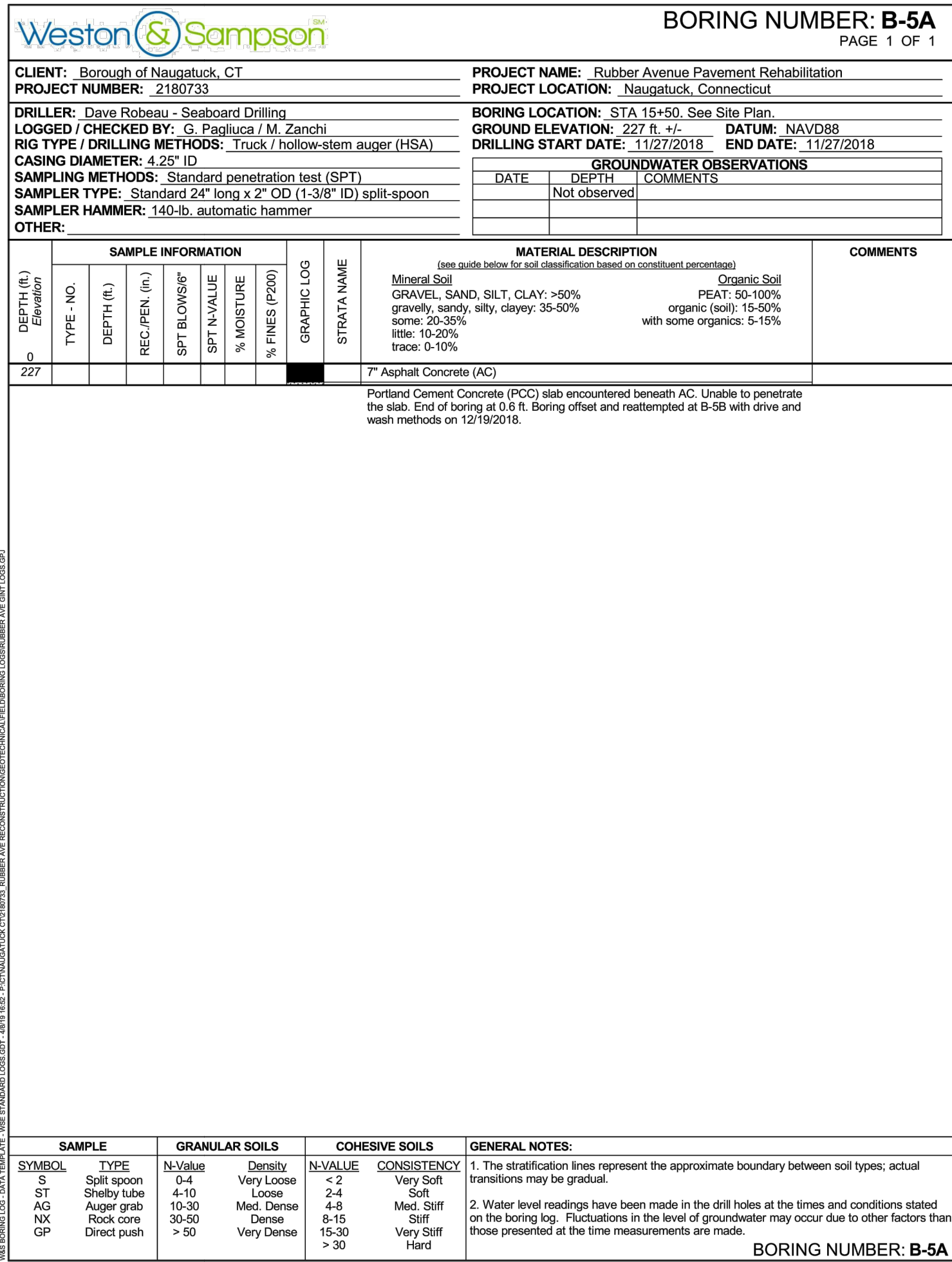
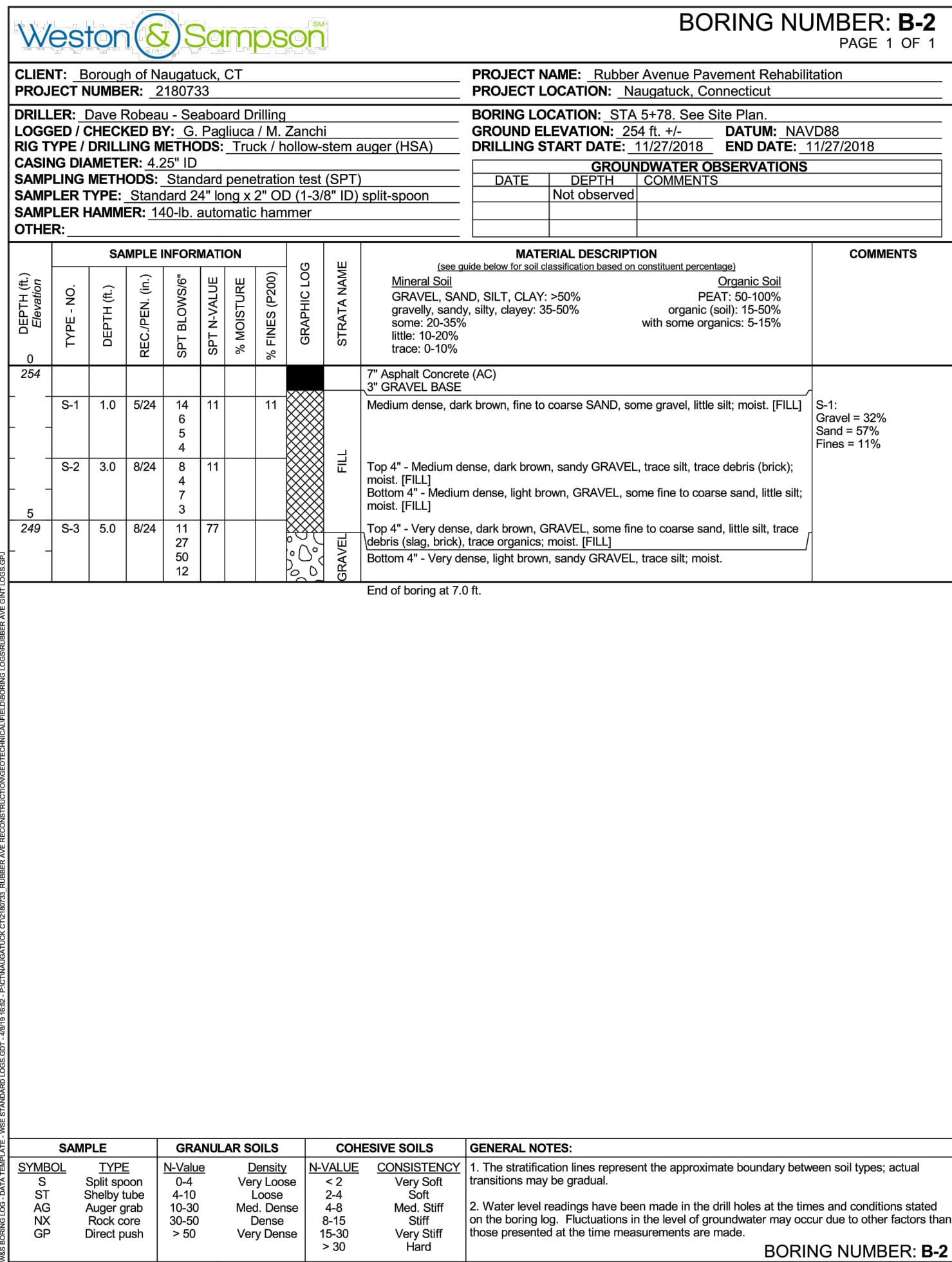
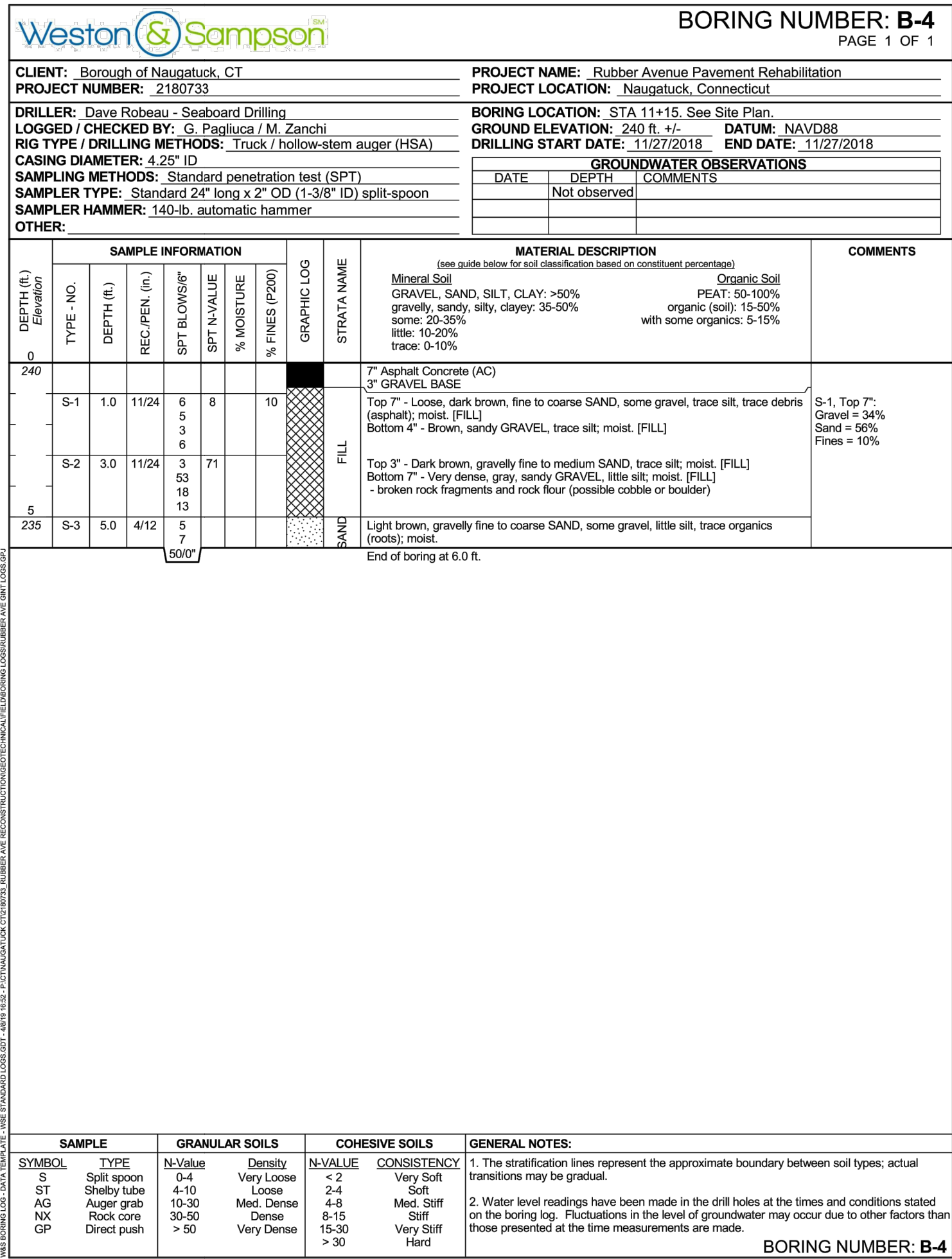
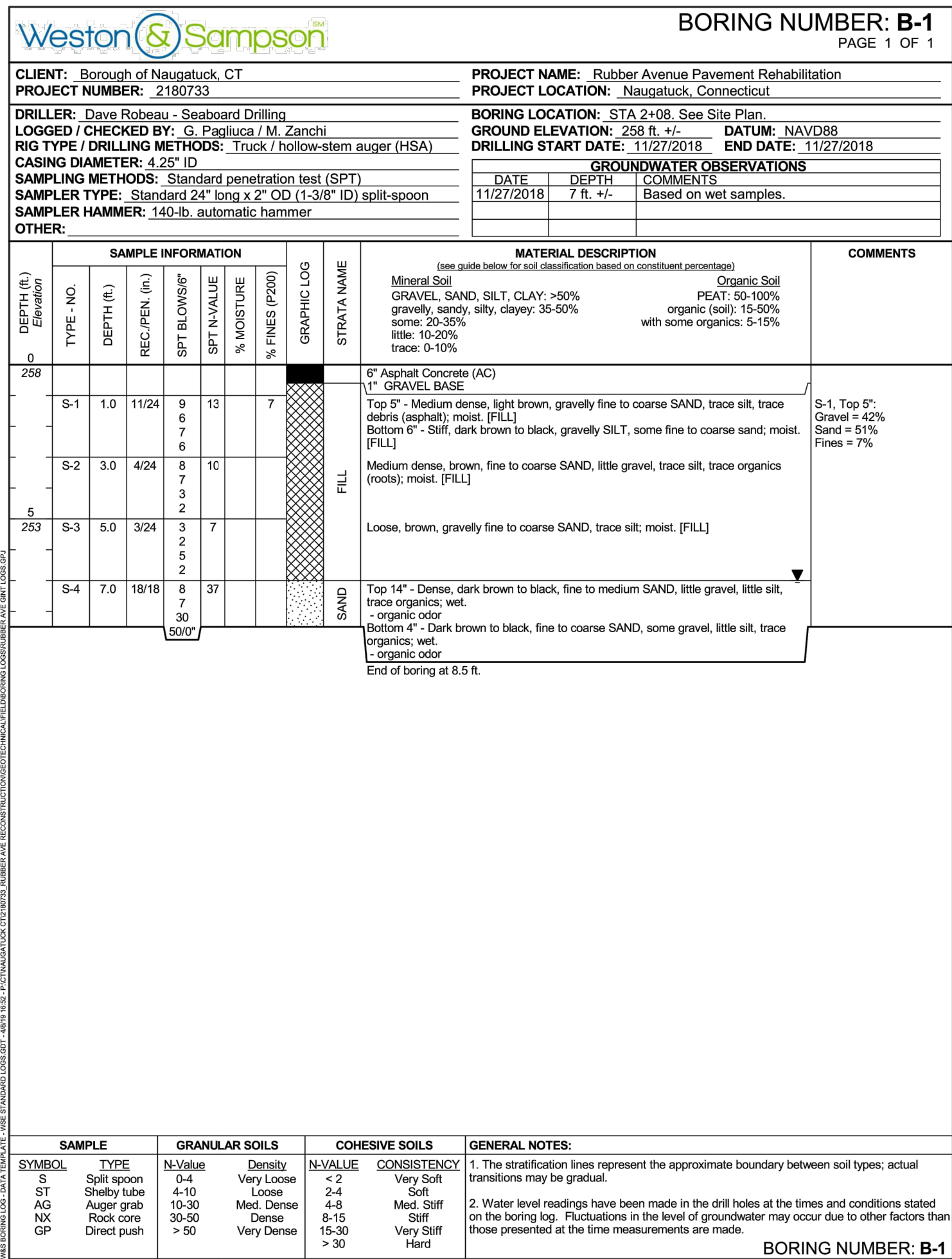
No.	Date	Dr.By	Ch.By	App.By	Description
A	P	P	R	O	V
					E
					D

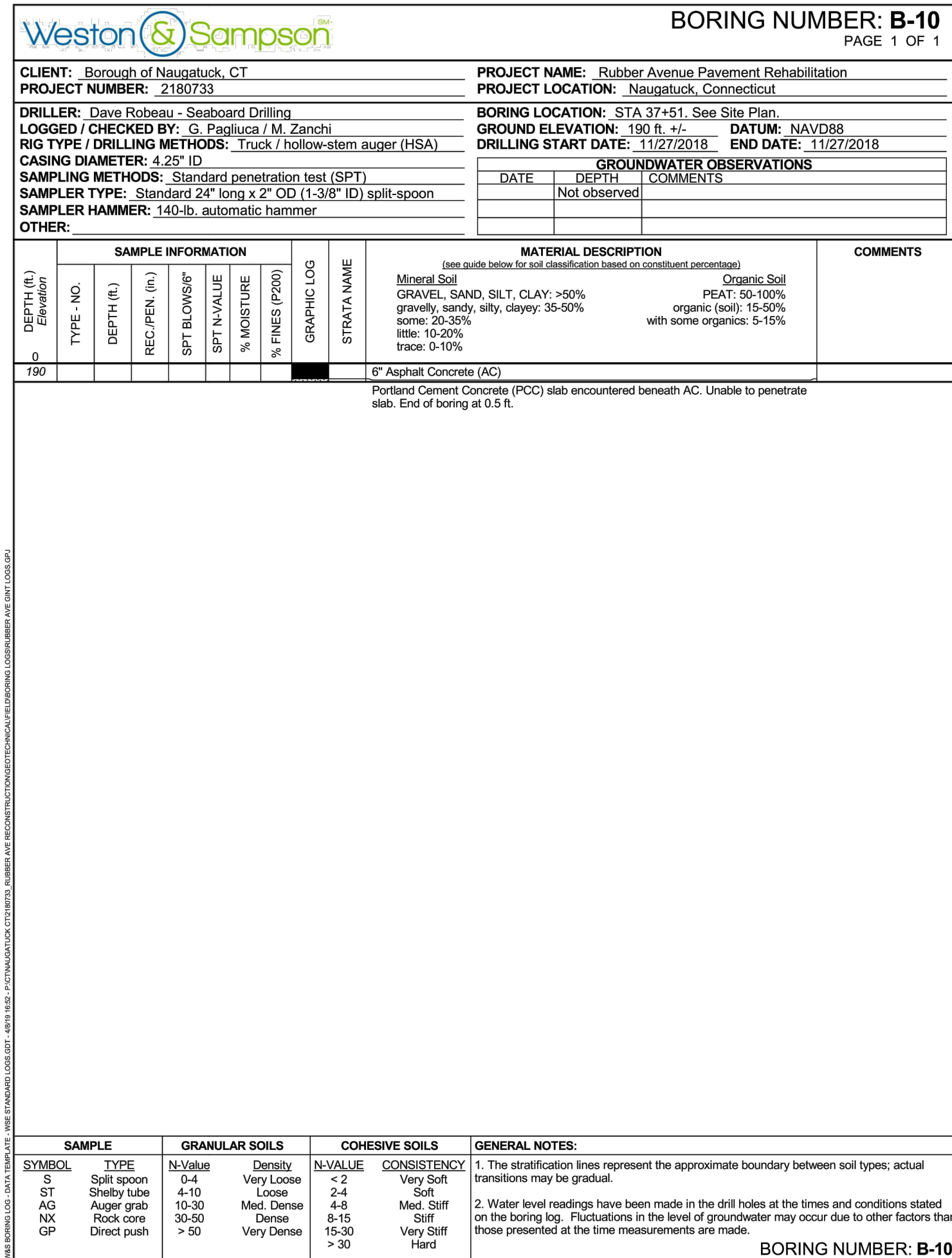
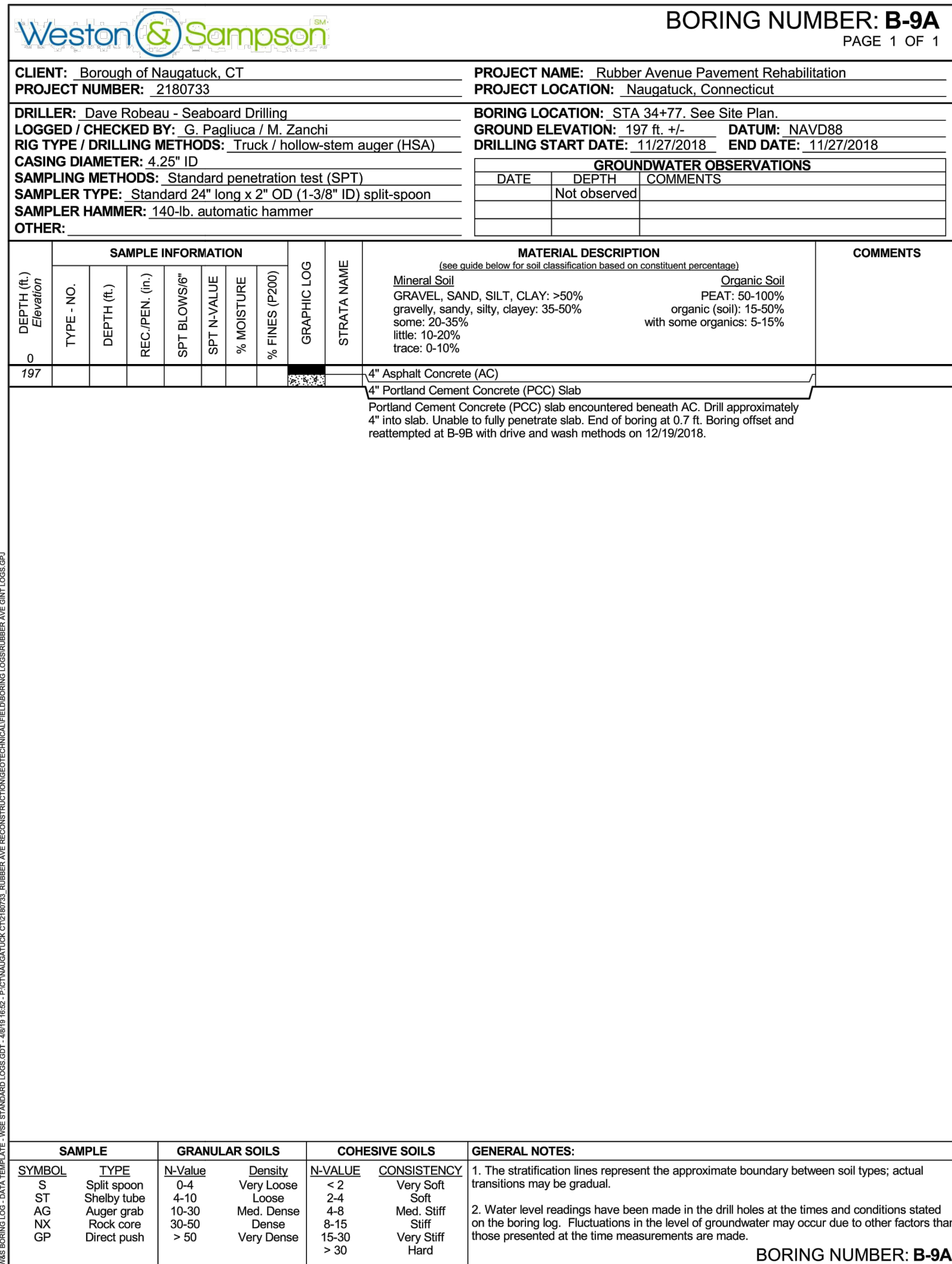
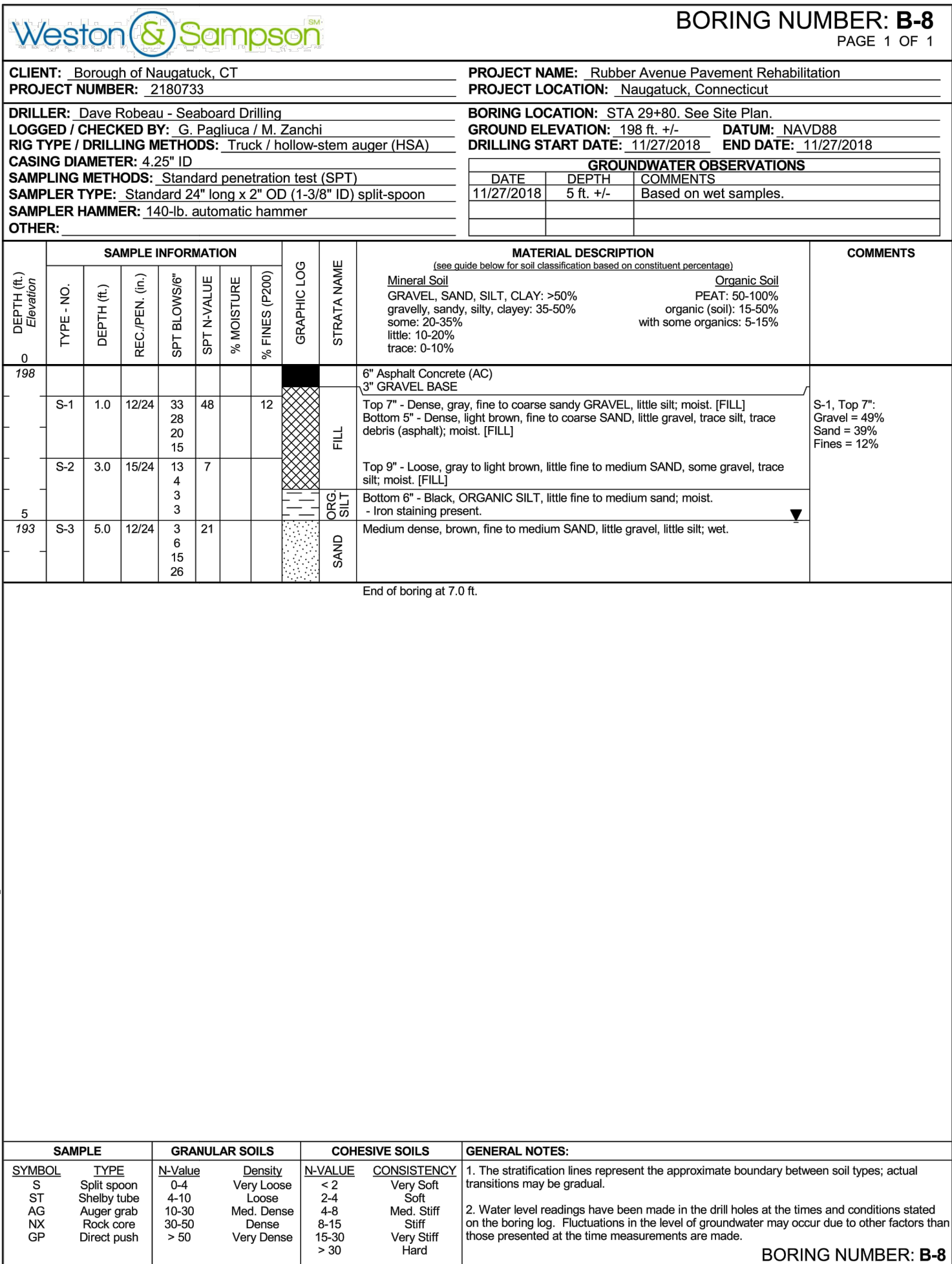
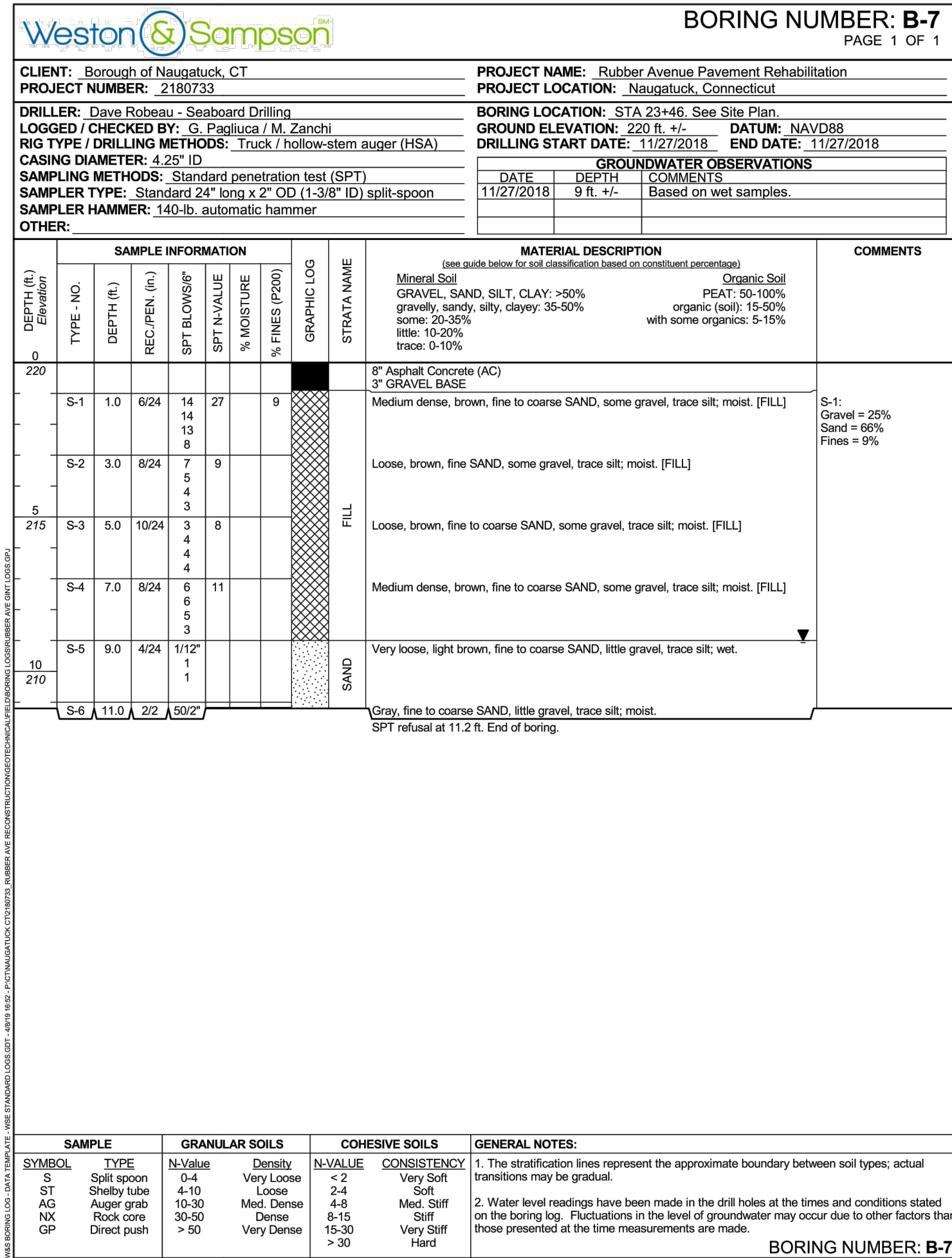
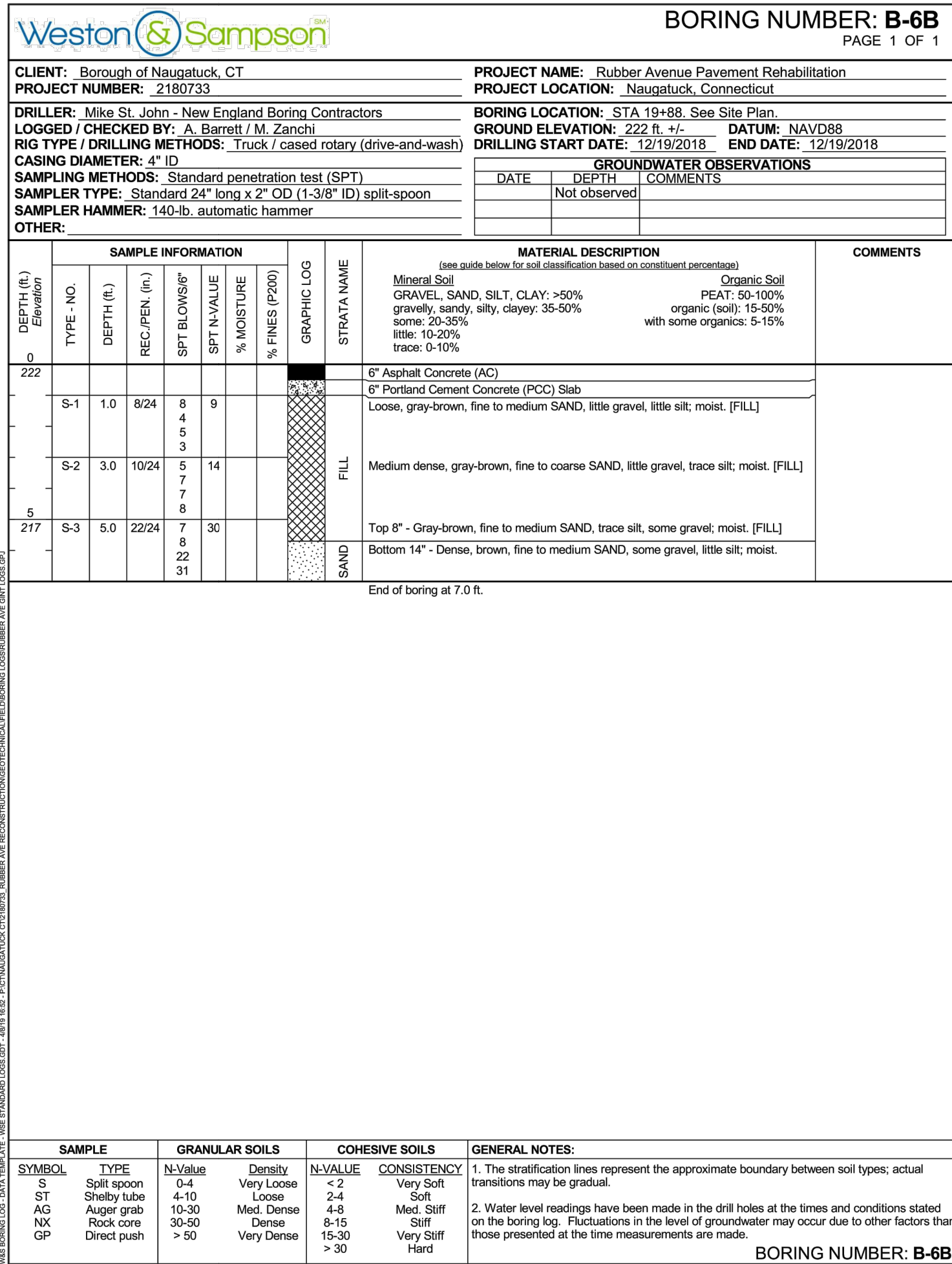
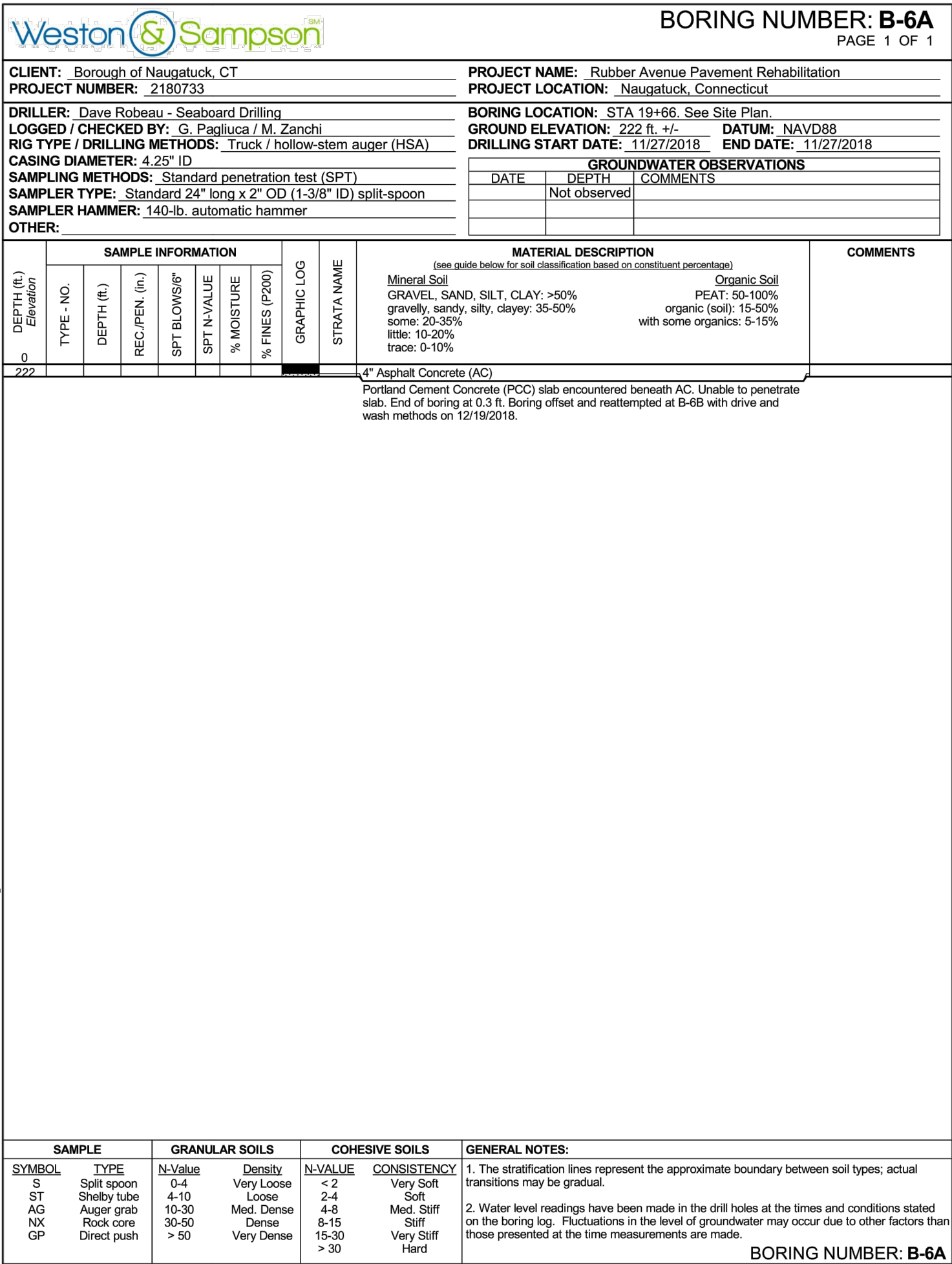
REGISTERED PROFESSIONAL ENGINEER

DATE

Weston & Sampson

273 Dividend Road, Rocky Hill, CT 06067
860.513.1473
www.westonsampson.com





No.	Date	Dr.By	Ch.By	App.By	Description	V	E	D
		A	P	P	R	O	V	E

LOT/CP APPLICATION
08/2019

BOROUGH OF NAUGATUCK	RUBBER AVENUE RECONSTRUCTION	BORING LOGS	APP.BY	ALN	
			CHK.BY	ALN	
			DSN.BY	LAS	
			DR.BY	LEC	
JOB NO.		2180733	CONTRACT:	AS SHOWN	
CADD NO.	-	SCALE:	AS SHOWN	FILE NO.	-

BOR-2



BORING NUMBER: B-9B
PAGE 1 OF 1

CLIENT: Borough of Naugatuck, CT

PROJECT NUMBER: 2189733

DRILLER: Mike St. John - New England Boring Contractors

LOGGED / CHECKED BY: A. Barrett / M. Zanchi

RIG TYPE / DRILLING METHODS: Truck / cased rotary (drive-and-wash)

CASING DIAMETER: 4" ID

SAMPLING METHODS: Standard penetration test (SPT)

SAMPLER TYPE: Standard 24" long x 2" OD (1-3/8" ID) split-spoon

SAMPLER HAMMER: 140-lb. automatic hammer

OTHER:

PROJECT NAME: Rubber Avenue Pavement Rehabilitation

PROJECT LOCATION: Naugatuck, Connecticut

BORING LOCATION: STA 34+85. See Site Plan.

GROUND ELEVATION: 196 ft. +/-

DATUM: NAVD88

DRILLING START DATE: 12/19/2018 **END DATE:** 12/19/2018

GROUNDWATER OBSERVATIONS		
DATE	DEPTH	COMMENTS
	Not observed	

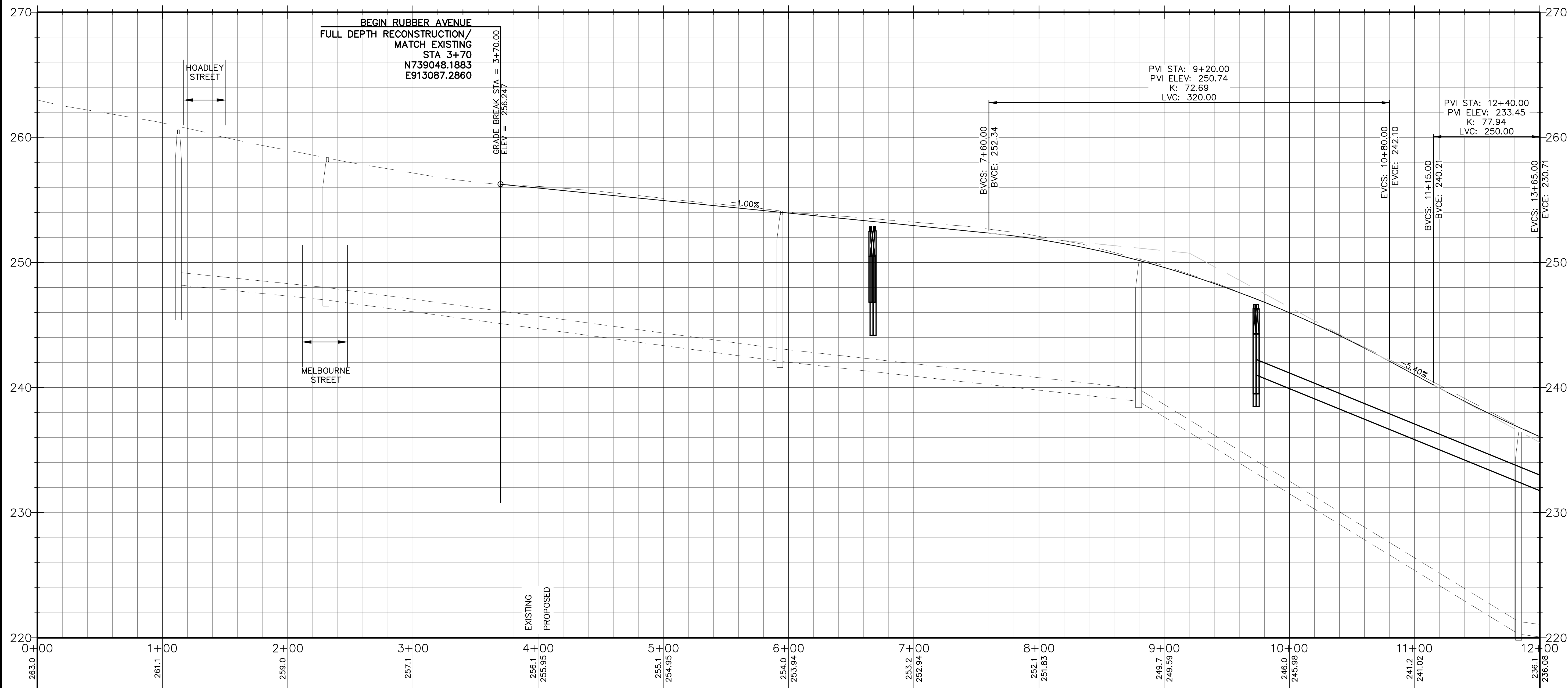
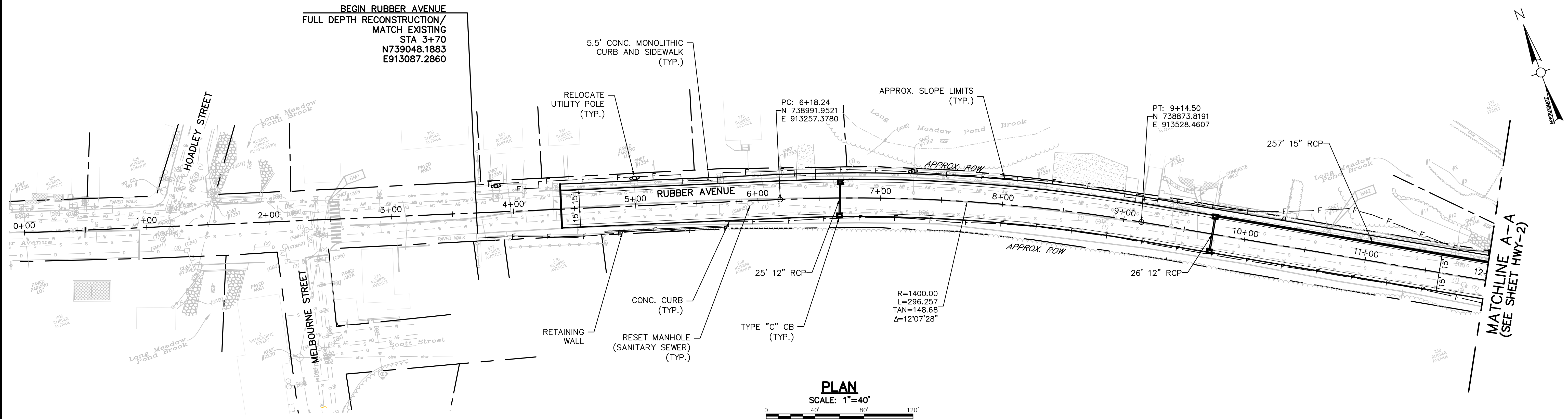
SAMPLE INFORMATION							STRATA NAME	MATERIAL DESCRIPTION (see guide below for soil classification based on constituent percentages)	COMMENTS
DEPTH (ft.) Elevation	TYPE	NO.	DEPTH (ft.)	REG. PEN. (in)	SPT BLOWS/FT	SPT N-VALUE			
						% MOISTURE			
						% FINES (P200)			
							GRAPHIC LOG		
0									
196	S-1	1.0	6/24	5	7	17		5" Asphalt Concrete (AC)	
				7	10			5" Portland Cement Concrete (PCC) Slab	
				8	10			Medium dense, brown, fine to coarse SAND, some gravel, trace silt; moist:	
	S-2	3.0	14/24	7	4	10		Top 10" - Medium dense, brown, fine to coarse SAND, some gravel, trace silt; moist.	
				7	4			(FILL)	
				7	4			Bottom 4" - Brown, fine to coarse SAND, trace gravel, trace silt; moist:	
5				4	4				
191	S-3	5.0	5/24	6	3	7		Loose, brown, fine to coarse SAND, little gravel, trace silt; moist:	
				3	4				
				4	4				
	S-4	7.0	5/24	8	17			Medium dense, brown, fine to coarse SAND, some gravel, little silt; moist.	
				14	3				
				8	3				
	S-5	9.0	12/12	12	12			Brown, fine to coarse SAND, trace gravel, trace silt; moist.	
				40	40				
10									
196								End of boring at 10.0 ft.	

SAMPLE				GRANULAR SOILS				COHESIVE SOILS				GENERAL NOTES:			
SYMBOL	TYPE	N-VALUE	Density	N-VALUE	CONSISTENCY	Very Loose	Very Soft	N-VALUE	CONSISTENCY	Very Soft	Hard	1. The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.			
S	Split spoon	0-4	Very Loose	< 2	Very Soft			2-4	Med. Soft						
ST	Shelby tube	4-10	Loose	4-8	Med. Stiff			4-8	Stiff						
AO	Auger grab	10-30	Med. Dense	8-15	Very Stiff			15-30	Hard						
NC	Rock core	30-50	Dense	> 30											
GP	Direct push	> 50	Dense									2. Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made.			

BORING NUMBER: B-9B

[illegible]

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_Hwy.dwg



CENTERLINE ROAD PROFILE
SCALE: 1"=40' HORIZ, 1"=4' VERT

COPYRIGHT 2017 WESTON & SAMPSON

Weston & Sampson

273 Dividend Road, Rocky Hill, CT 06067
860.513.1473
www.westonsandsampson.com

No.	Date	Dr.By	Ch.By	App.By	Description			
		A	P	R	O	V	E	D

REGISTERED PROFESSIONAL ENGINEER

DATE

BOROUGH OF NAUGATUCK

RUBBER AVENUE RECONSTRUCTION

ROADWAY PLAN AND PROFILE

RUBBER AVE STA 3+70 TO STA 12+00

SCALE:	CADD NO.	CONTRACT:	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
AS SHOWN			2180733	LEC	LAS	ALN	ALN

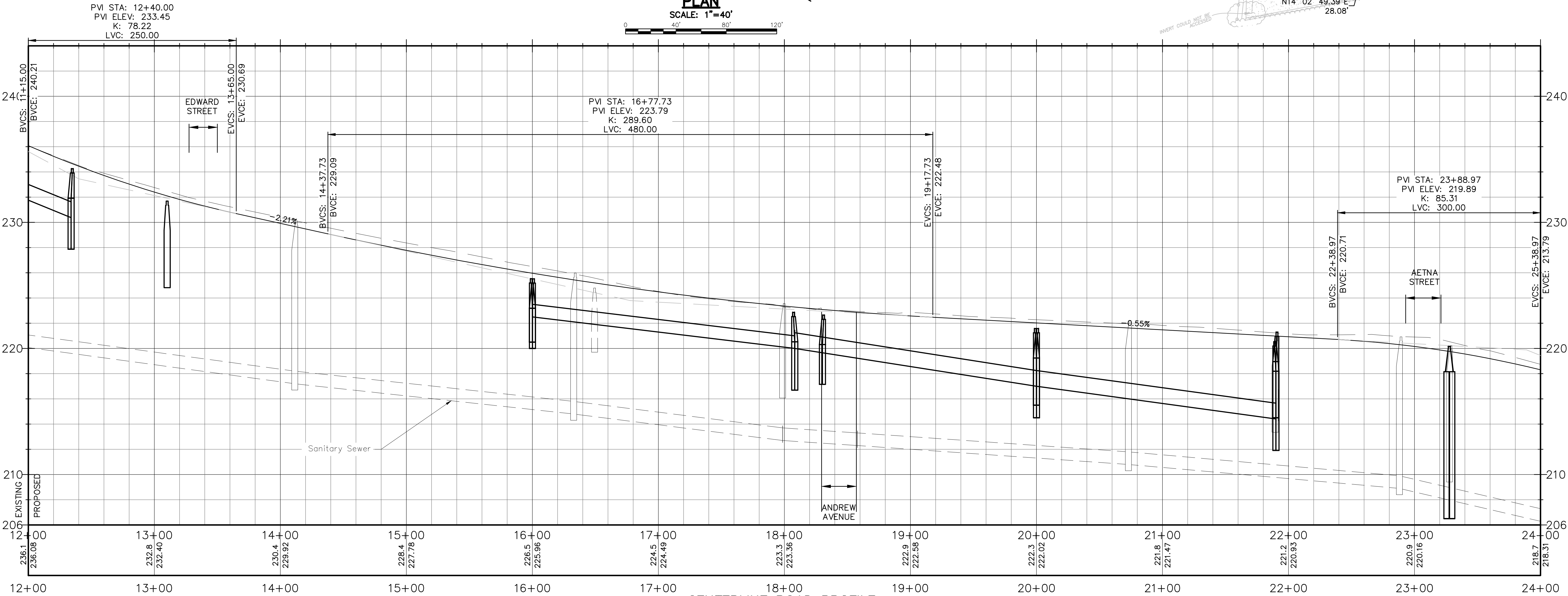
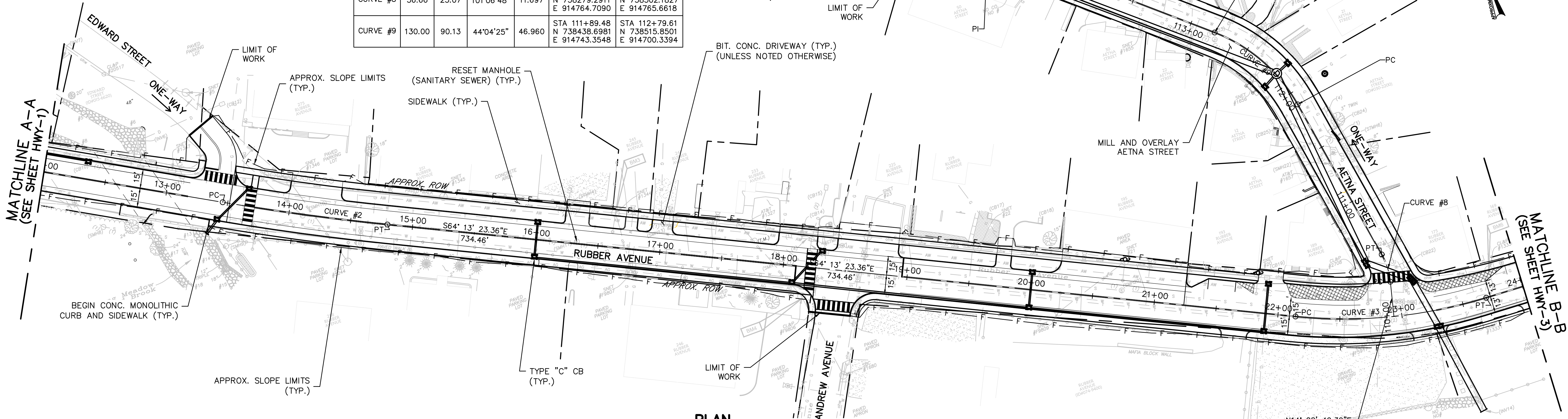
HWY-1

FILE NO.

SHEET 7 OF 15

SCHEDULE OF RIGHTS AND EASEMENTS	
	EASEMENT TO SLOPE IN SUPPORT OF THE HIGHWAY REQUIRED
	EASEMENT TO SLOPE FOR THE SAFETY OF THE HIGHWAY REQUIRED
	DEFINED EASEMENT FOR HIGHWAY PURPOSES REQUIRED
	RIGHT TO GRADE REQUIRED
	RIGHT TO CONSTRUCT (OR RECONSTRUCT) DRIVEWAY REQUIRED
	RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
	EASEMENT FOR THE DRAINAGE OF THE HIGHWAY REQUIRED

Number	Radius	Length	Delta	T	PC	PT
CURVE #2	2000.00	133.77	2°51'53"	66.908	STA 13+45.98 N 738660.6348 E 913903.5964	STA 14+79.75 N 738598.4809 E 914022.0176
CURVE #3	390.00	155.31	14°41'28"	78.696	STA 22+14.20 N 738279.0899 E 914683.3918	STA 23+69.51 N 738240.8032 E 914832.8489
CURVE #8	56.66	23.07	101°06'48"	11.697	STA 110+28.08 N 738279.2911 E 914764.7090	STA 110+51.15 N 738302.1827 E 914765.6618
CURVE #9	130.00	90.13	44°04'25"	46.960	STA 111+89.48 N 738438.6981 E 914743.3548	STA 112+79.61 N 738515.8501 E 914700.3394

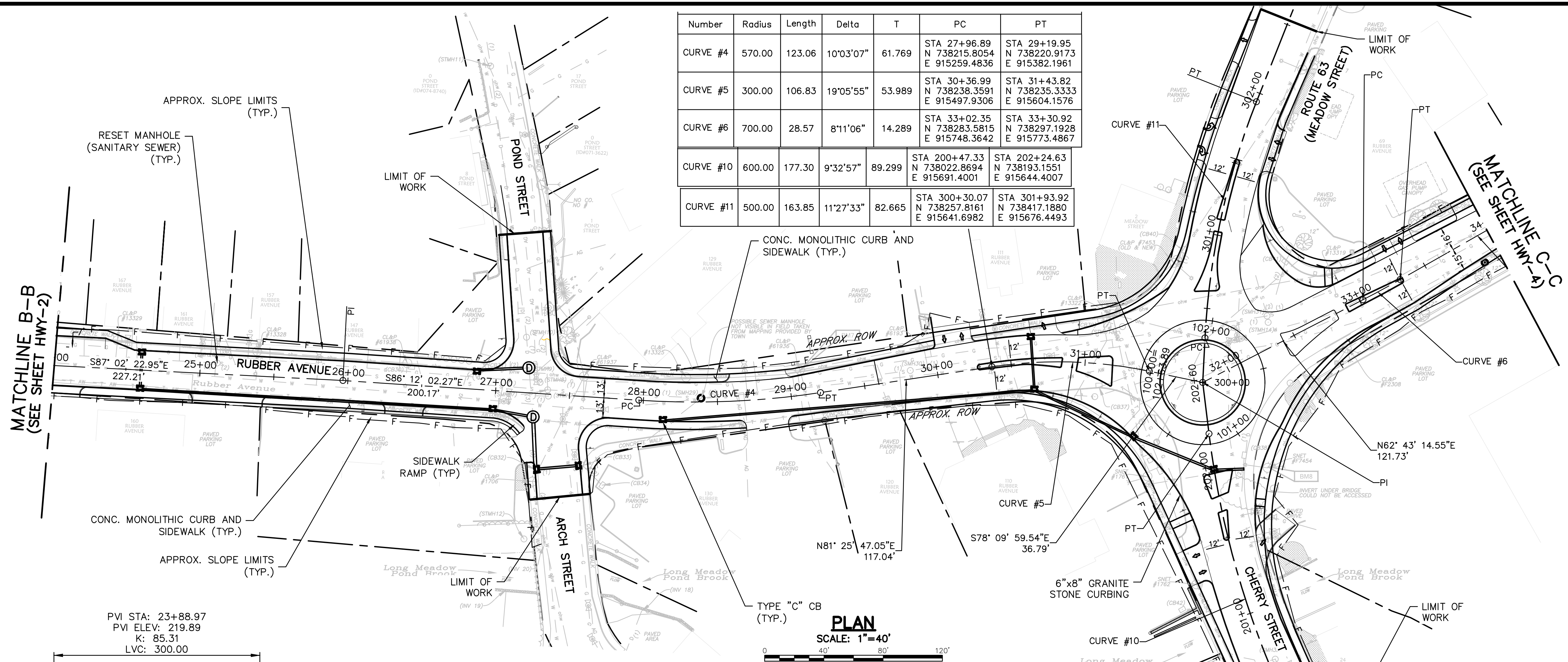


CENTERLINE ROAD PROFILE
SCALE: 1"=40' HORZ, 1"=4' VERT

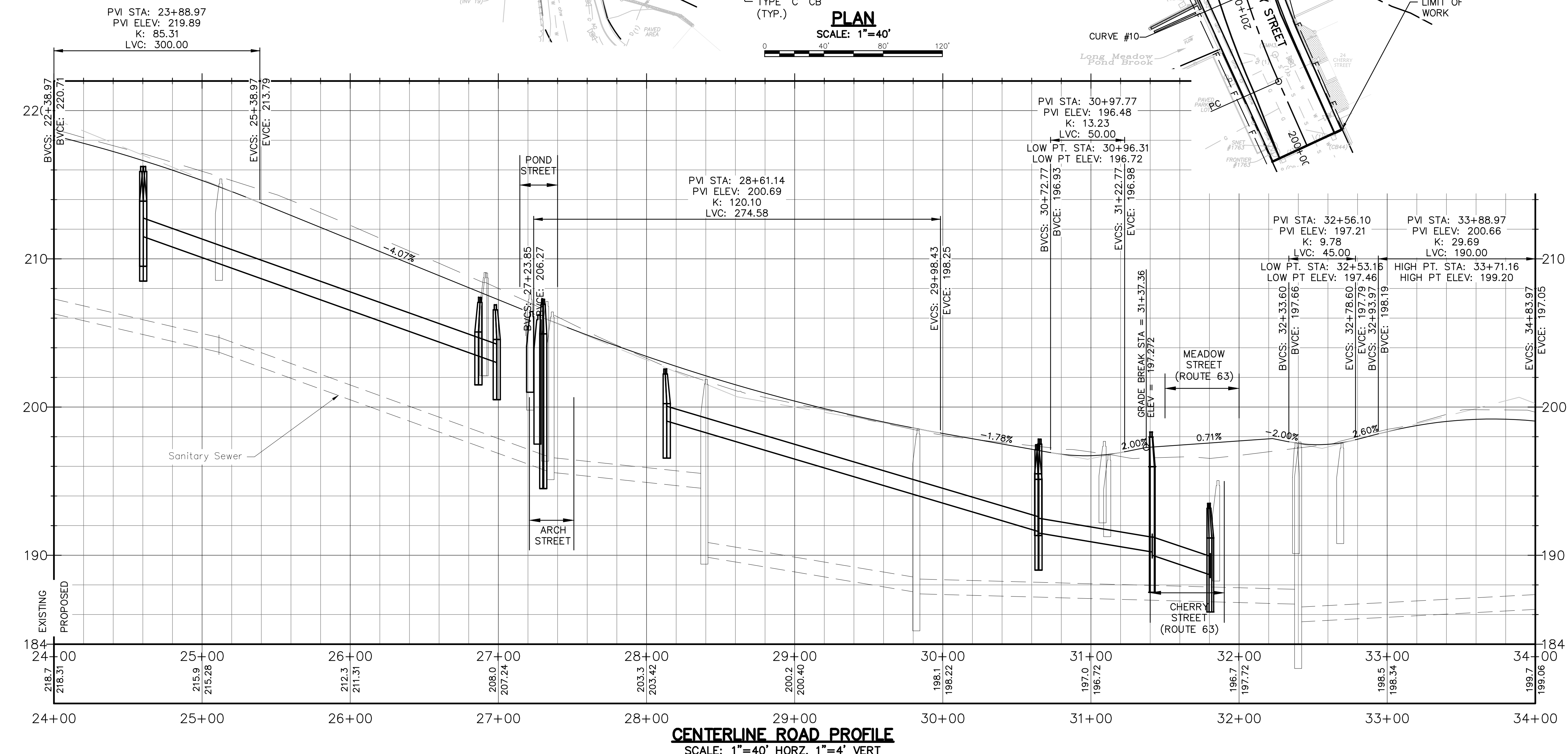
No.	Date	Dr. By	Ch. By	App. By	Description
A P P R O V E D					
REGISTERED PROFESSIONAL ENGINEER					
DATE					

PROGRESS SET
OCTOBER 2019

BOROUGH OF NAUGATUCK						
RUBBER AVENUE RECONSTRUCTION						
ROADWAY PLAN AND PROFILE						
RUBBER AVE STA 12+00 TO STA 24+00						
CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR. BY	CHK. BY	APP. BY
	- AS SHOWN		2180733	GBC	DSNBY KAC	LAS ALN



Number	Radius	Length	Delta	T	PC	PT
CURVE #4	570.00	123.06	10°03'07"	61.769	STA 27+96.89 N 738215.8054 E 915259.4836	STA 29+19.95 N 738220.9173 E 915382.1961
CURVE #5	300.00	106.83	19°05'55"	53.989	STA 30+36.99 N 738238.3591 E 915497.9306	STA 31+43.82 N 738235.3333 E 915604.1576
CURVE #6	700.00	28.57	8°11'06"	14.289	STA 33+02.35 N 738283.5815 E 915748.3642	STA 33+30.92 N 738297.1928 E 915773.4867
CURVE #10	600.00	177.30	9°32'57"	89.299	STA 200+47.33 N 738022.8694 E 915691.4001	STA 202+24.63 N 738193.1551 E 915644.4007
CURVE #11	500.00	163.85	11°27'33"	82.665	STA 300+30.07 N 738257.8161 E 915641.6982	STA 301+93.92 N 738417.1880 E 915676.4493



CENTERLINE ROAD PROFILE
SCALE: 1"=40' HORZ, 1"=4' VERT

Weston & Sampson

273 Dividend Road, Rocky Hill, CT 06067
860.513.1473
www.westonsampson.com

No.

Date

Dr. By

Ch. By

App. By

Description

A

P

R

O

V

E

D

REGISTERED PROFESSIONAL ENGINEER

DATE

PROGRESS SET
OCTOBER 2019

BOROUGH OF NAUGATUCK

RUBBER AVENUE RECONSTRUCTION

ROADWAY PLAN AND PROFILE

RUBBER AVE STA 24+00 TO STA 34+00

CADD NO.

SCALE

AS SHOWN

CONTRACT

2180733

DR. BY

GBC

DSN. BY

KAC

CHK. BY

LAS

APP. BY

ALN

HWY-3

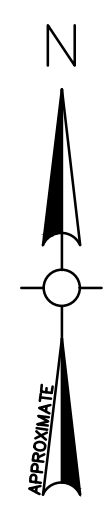
FILE NO.

1

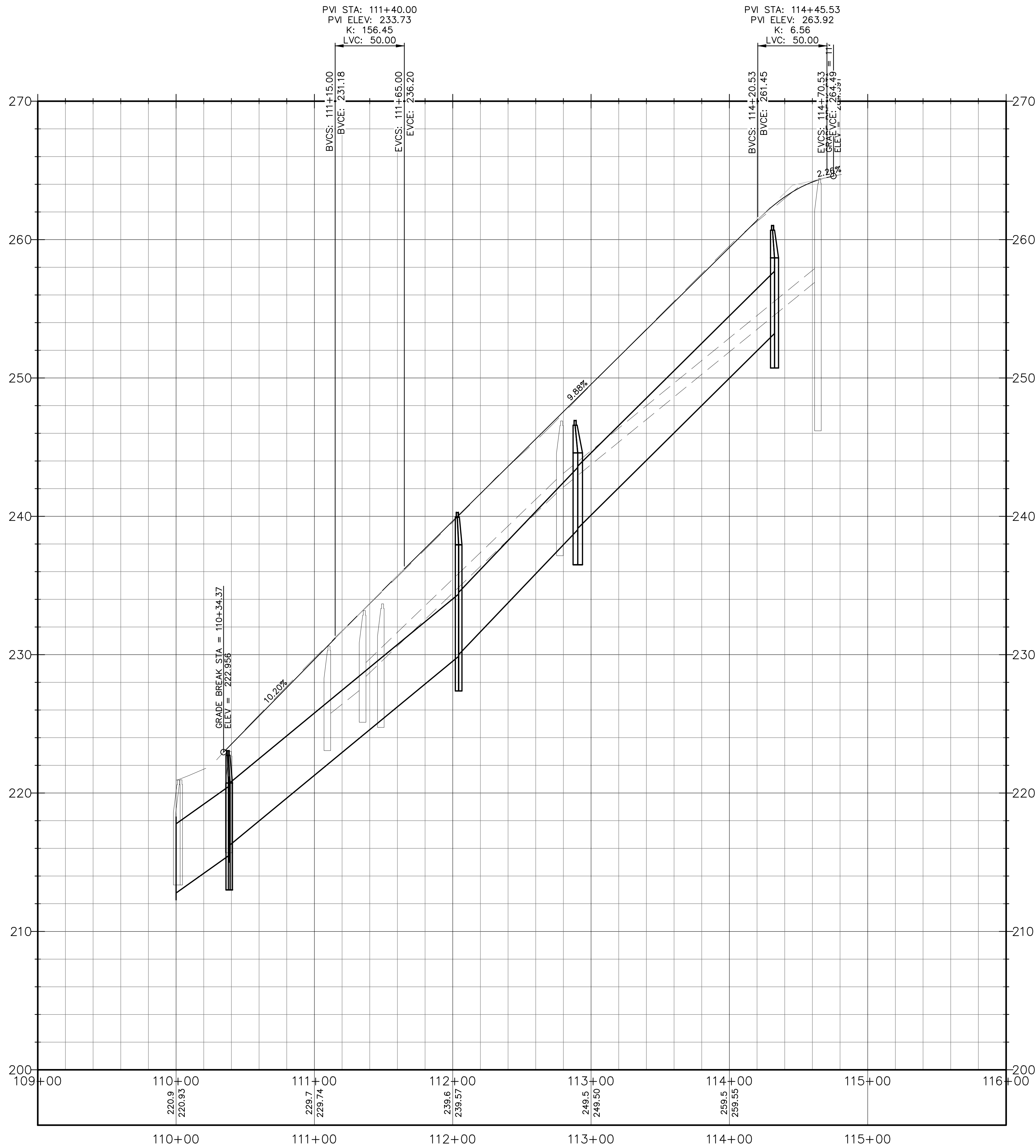
SHEET 10 OF 16

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_Hwy.dwg

COPYRIGHT 2017 WESTON & SAMPSON

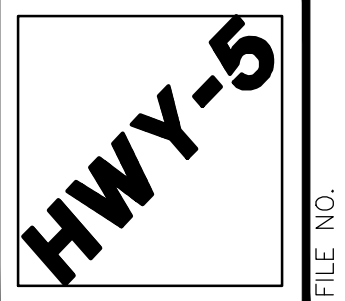


P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_Hwy.dwg



CENTERLINE ROAD PROFILE
SCALE: 1"=40' HORZ, 1"=4' VERT

COPYRIGHT 2017 WESTON & SAMPSON



SHEET 11 OF 15

BOROUGH OF NAUGATUCK
RUBBER AVENUE RECONSTRUCTION
ROADWAY PROFILE
AETNA STREET STA 110+00 TO STA 114+80

CADD NO.	SCALE	CONTRACT	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
	AS SHOWN		2180733	LEC	LAS	ALN	ALN

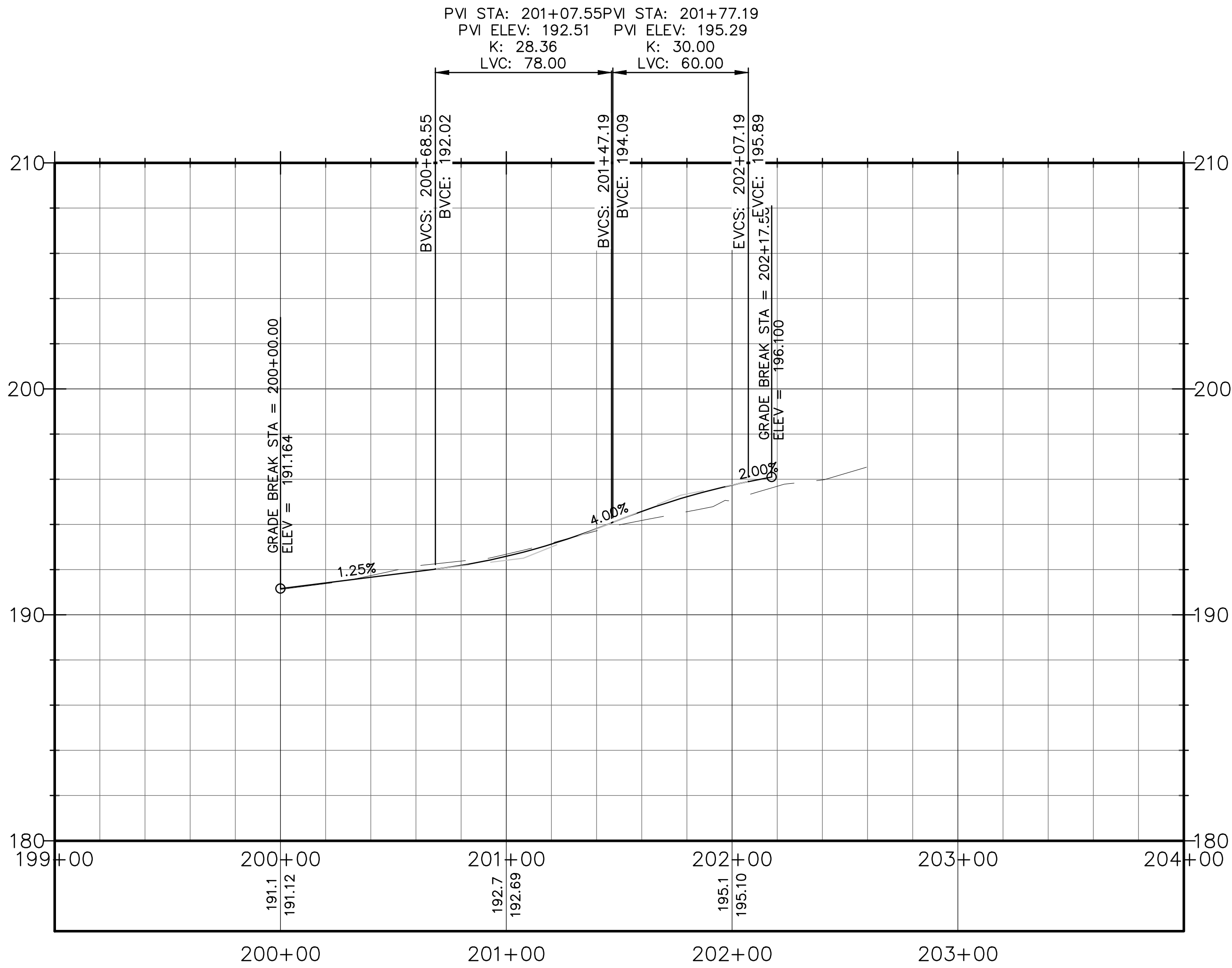
LOT/CP APPLICATION
08/2019

No.	Date	Dr.By	Ch.By	App.By	Description
A	P	P	R	O	V
					E
					D

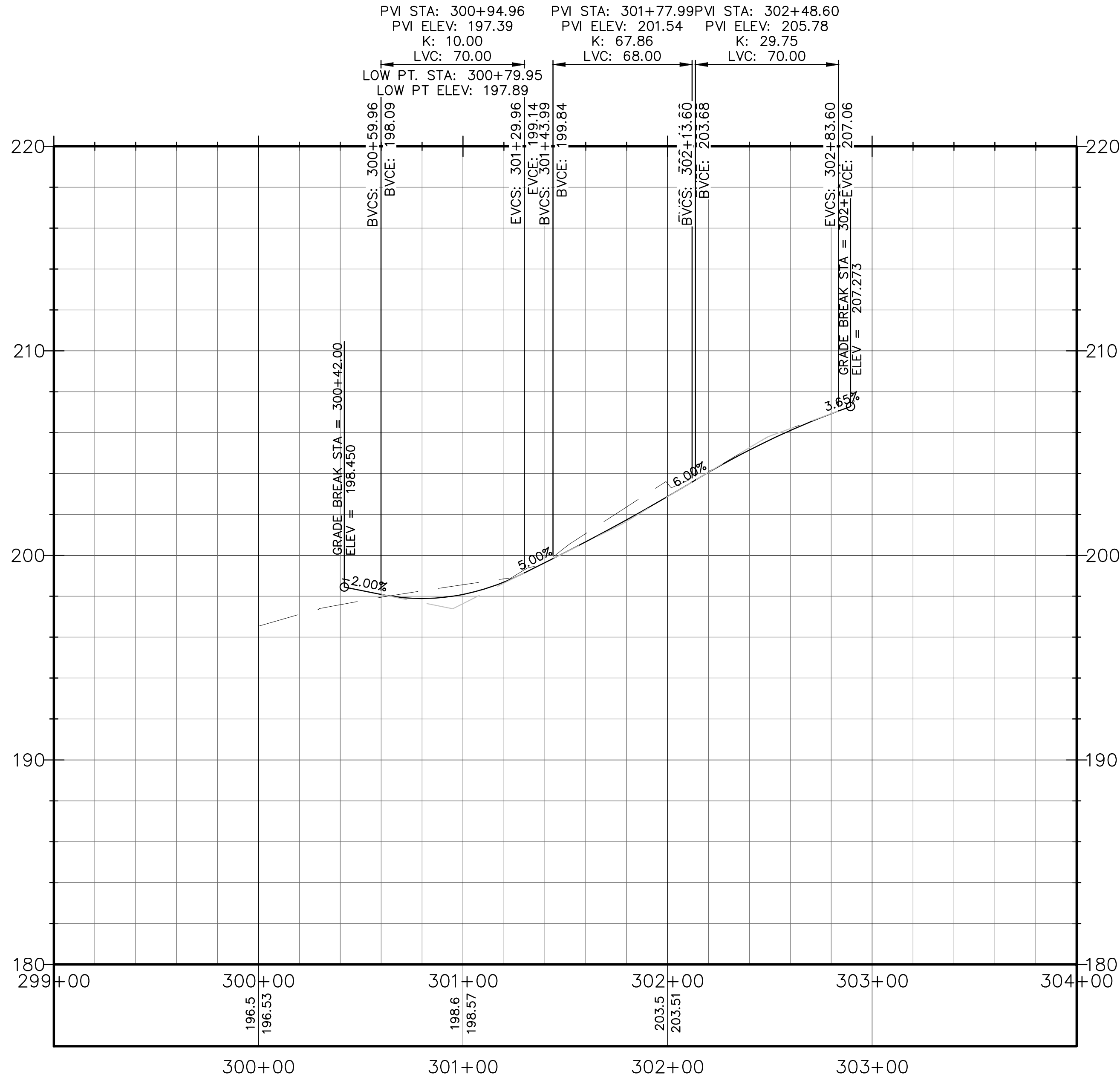
REGISTERED PROFESSIONAL ENGINEER

DATE

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_Hwy.dwg



CHERRY STREET
SCALE: 1"=40' HORZ, 1"=4' VERT



MEADOW STREET
SCALE: 1"=40' HORZ, 1"=4' VERT

HWY-6

FILE NO.

BOROUGH OF NAUGATUCK
RUBBER AVENUE RECONSTRUCTION
ROADWAY PROFILES
CHERRY ST. & MEADOW ST.

CADD NO.

SCALE:

AS SHOWN

CONTRACT:

JOB NO.

DR.BY

DSN.BY

CHK.BY

APP.BY

**LOT/CP
APPLICATION
08/2019**

No.	Date	Dr.By	Ch.By	App.By	Description
A	P	P	R	O	V
					E
					D

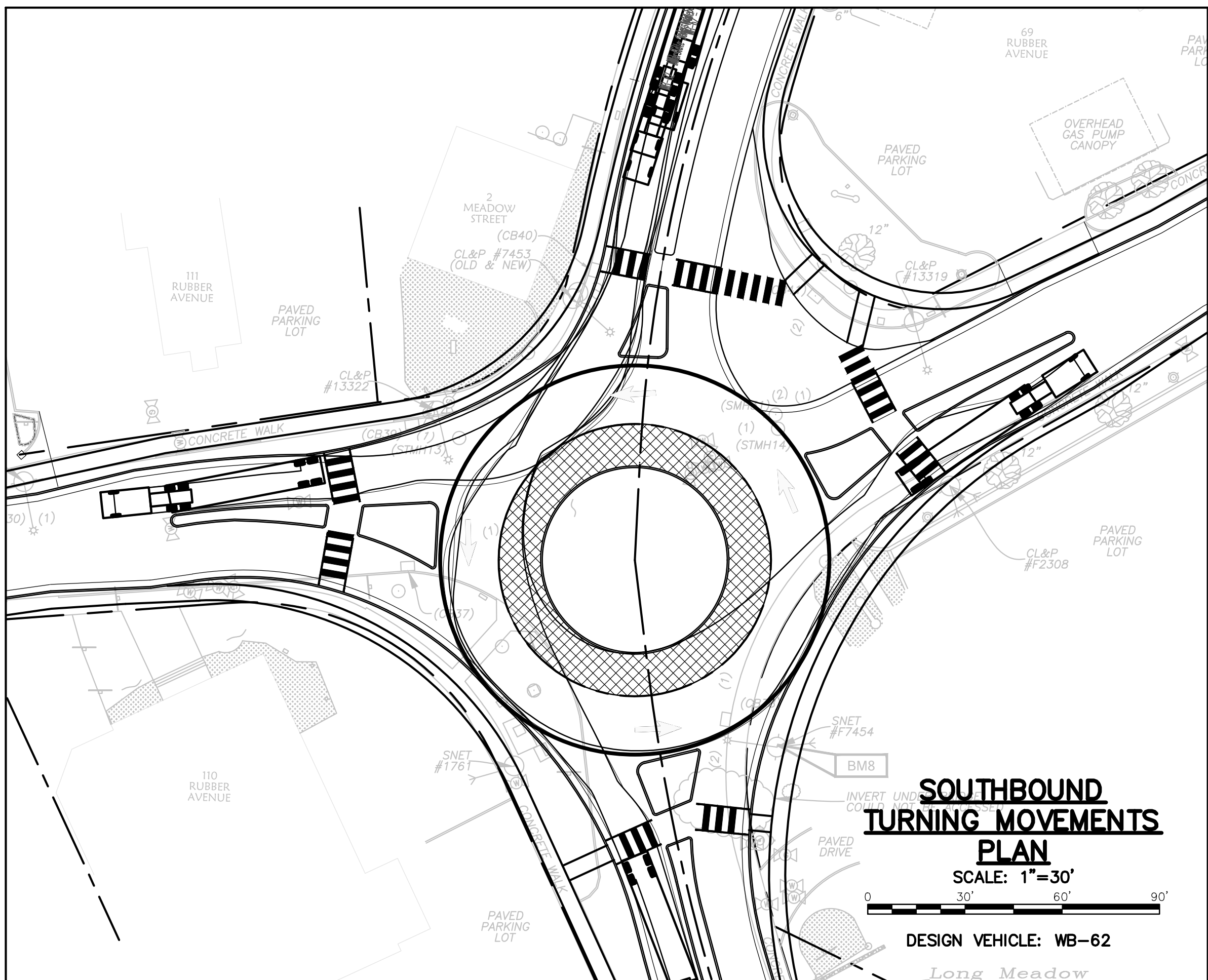
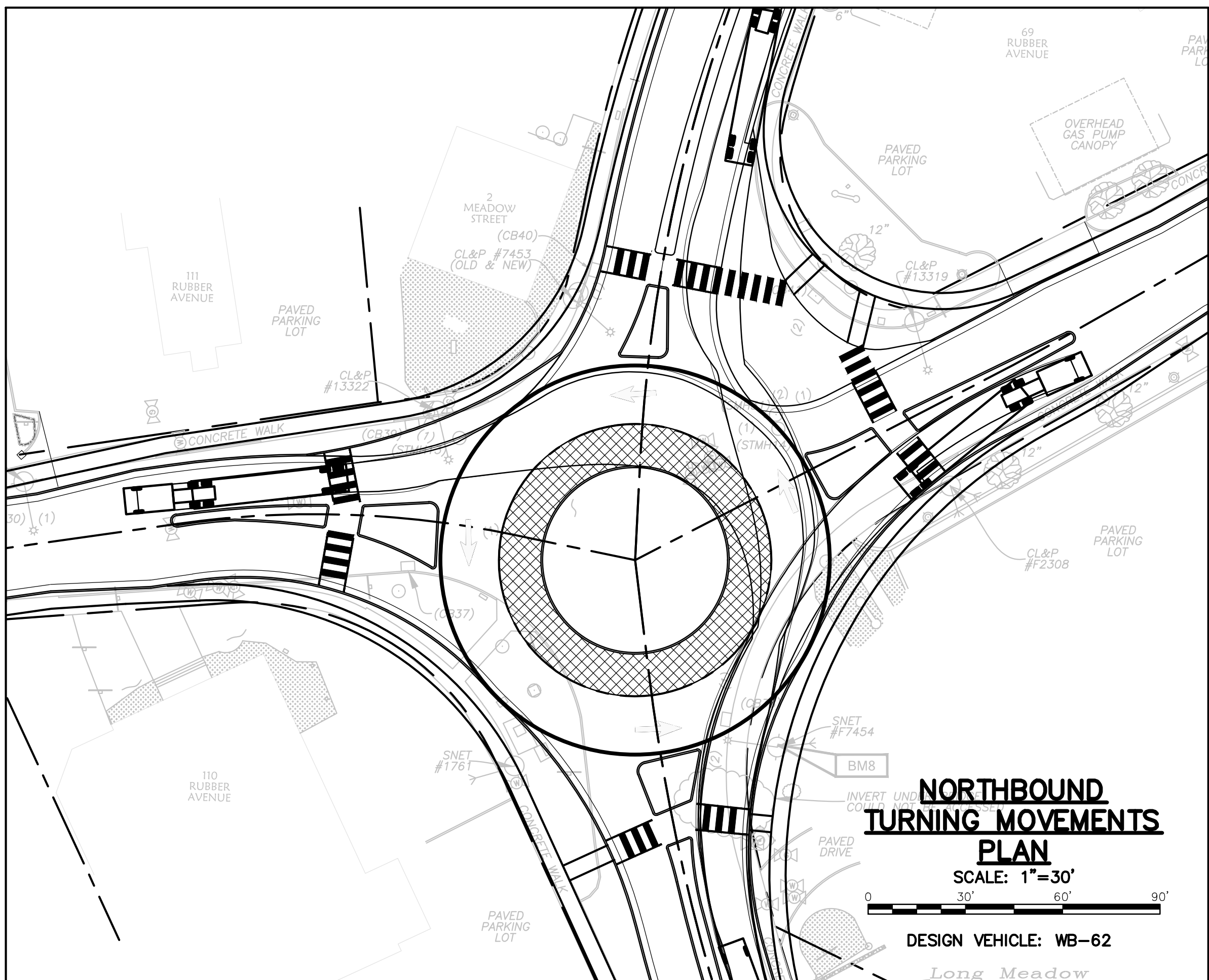
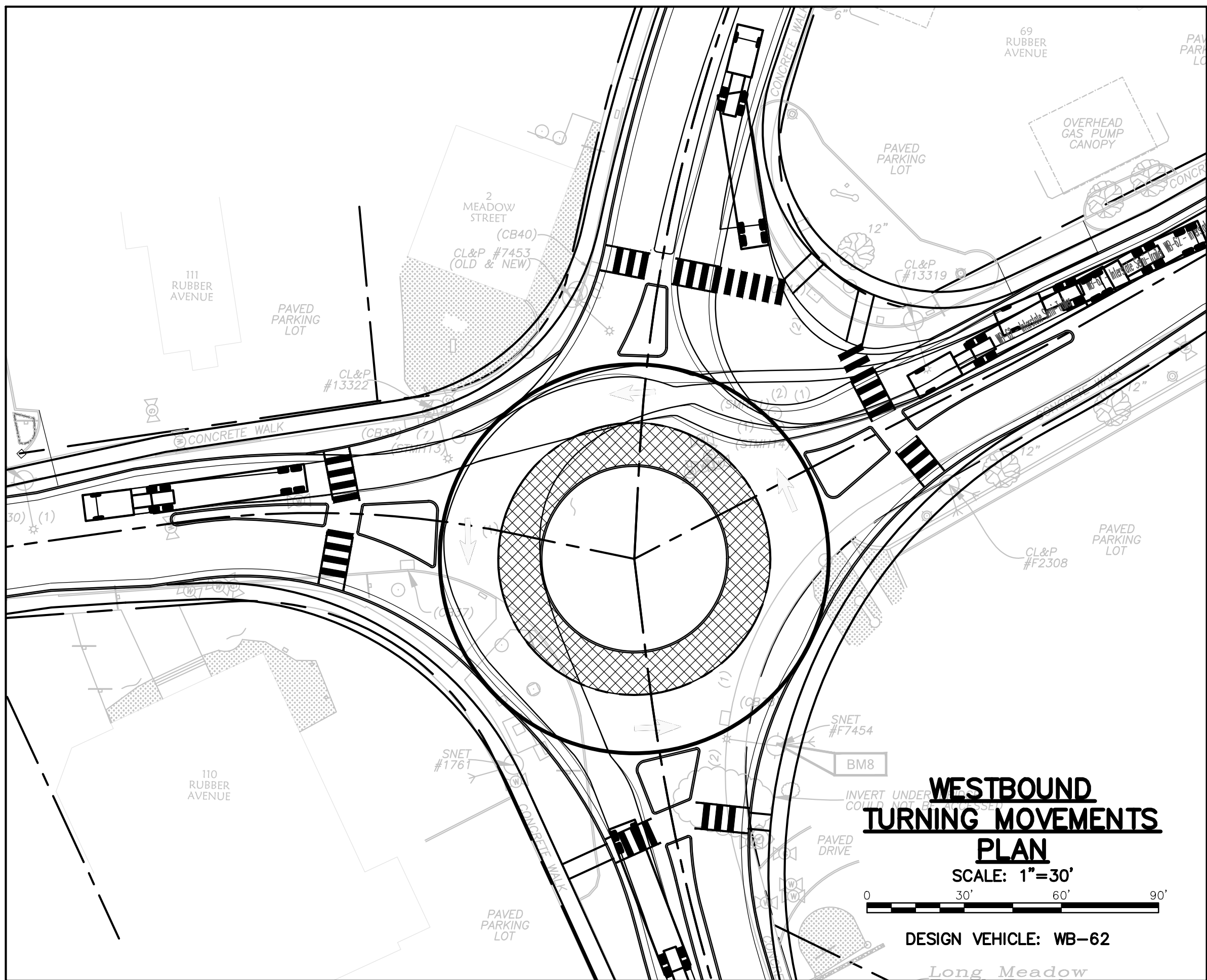
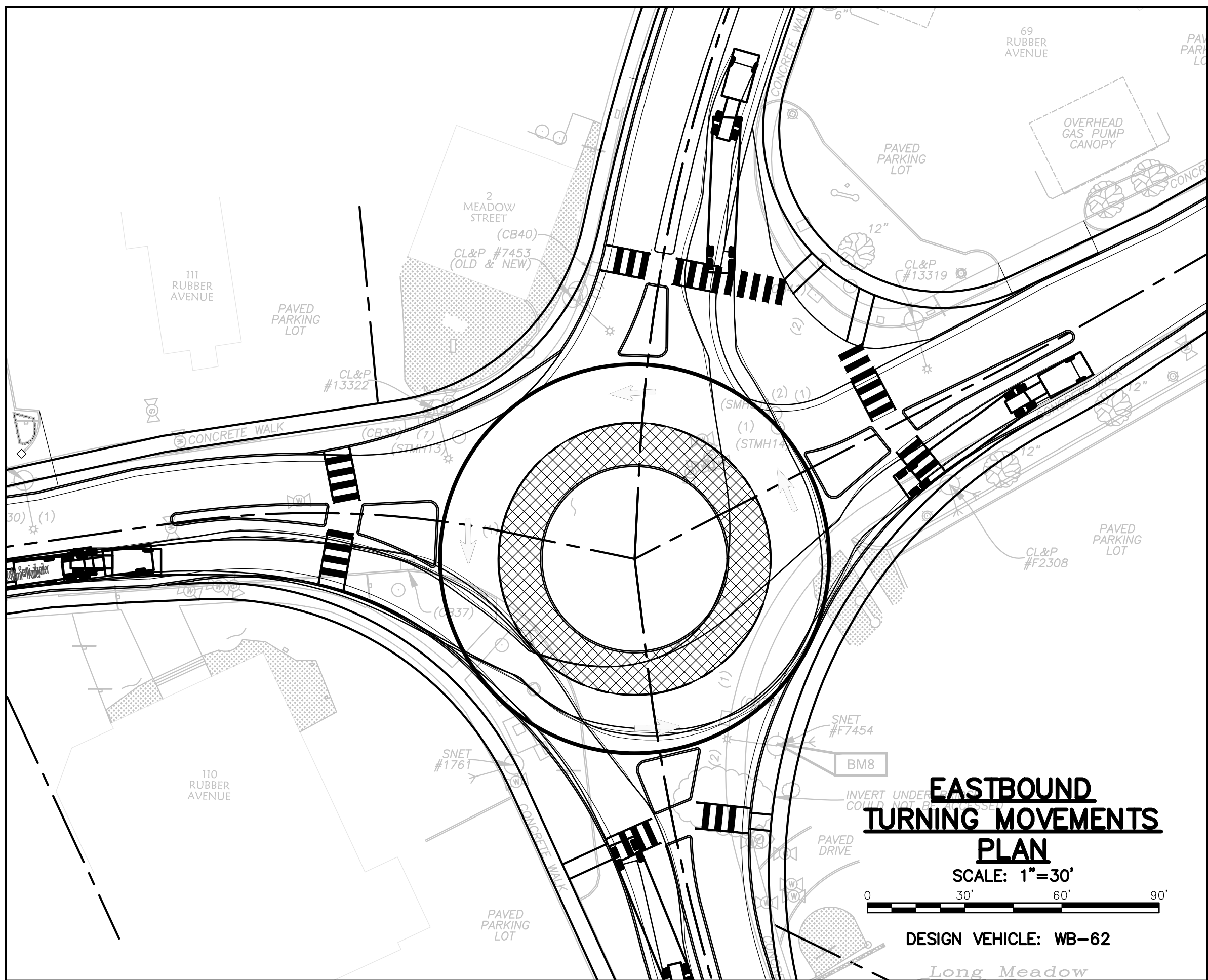
REGISTERED PROFESSIONAL ENGINEER

DATE

Weston & Sampson

273 Dividend Road, Rocky Hill, CT 06067
860.513.1473
www.westonandsampson.com

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_Hwy.dwg



Weston & Sampson

273 Dividend Road, Rocky Hill, CT 06067
860.513.1473
www.westonsampson.com

No.	Date	Dr.By	Ch.By	App.By	Description
		A	P	R	O
					V
					E
					D

REGISTERED PROFESSIONAL ENGINEER
DATE

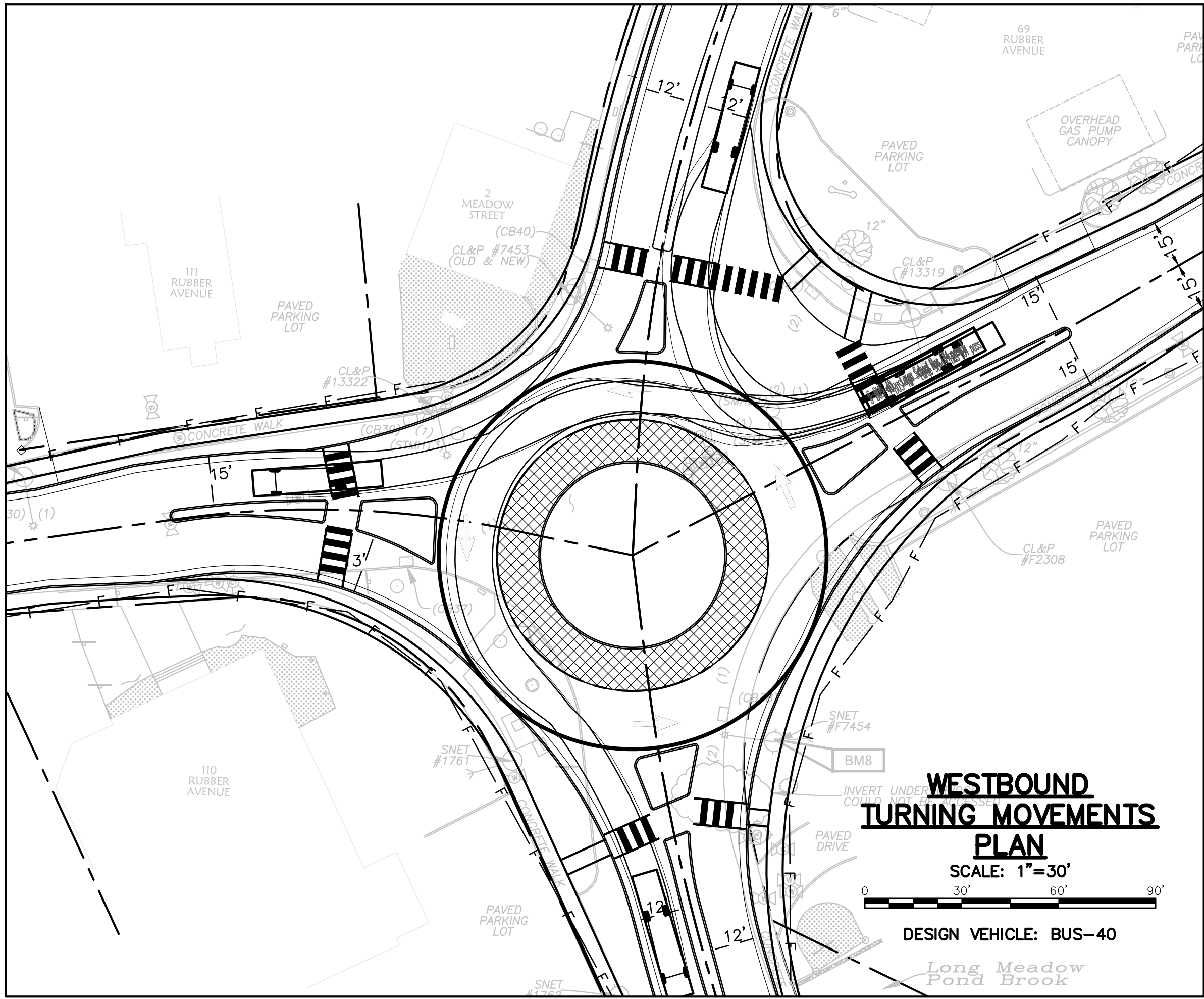
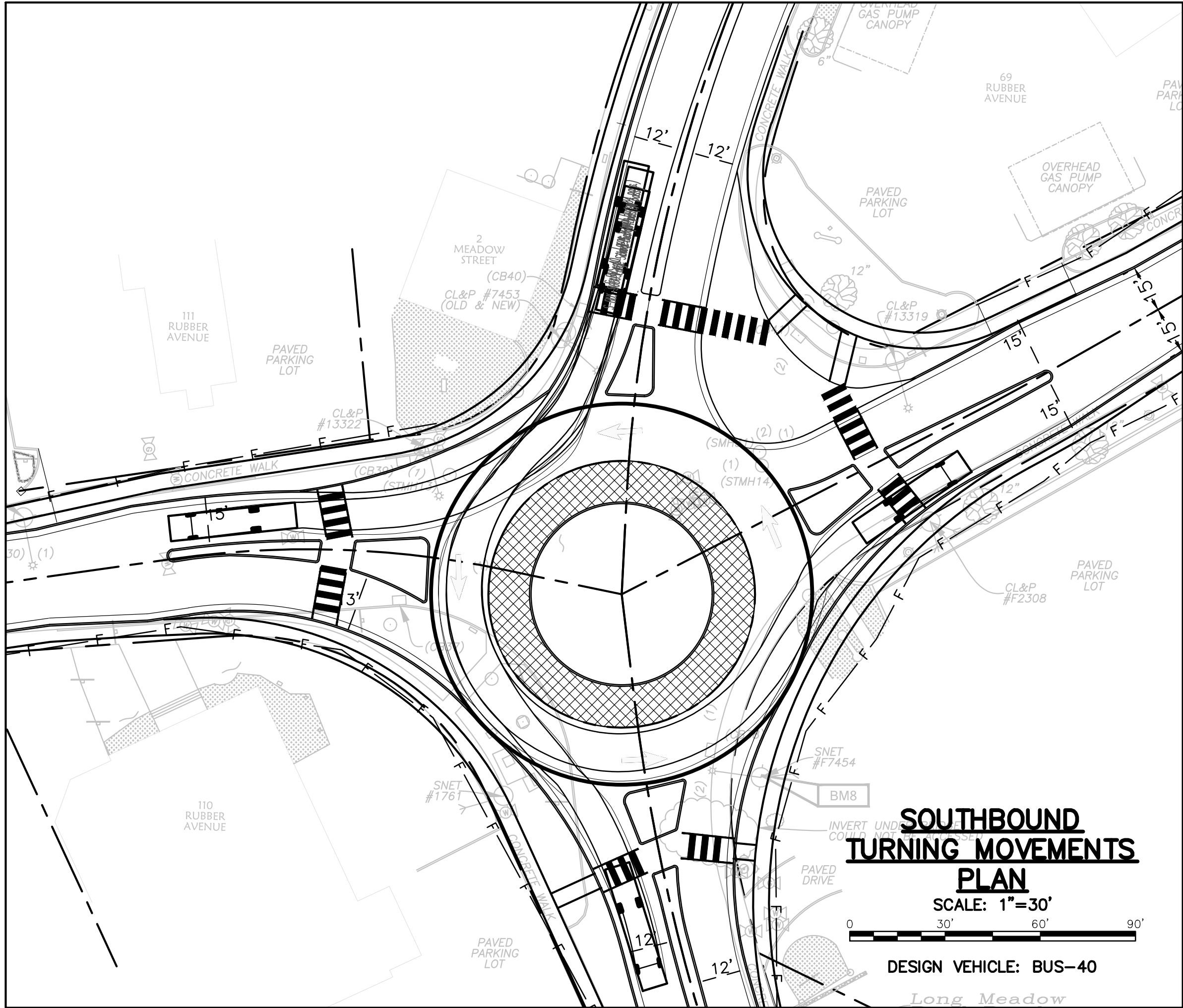
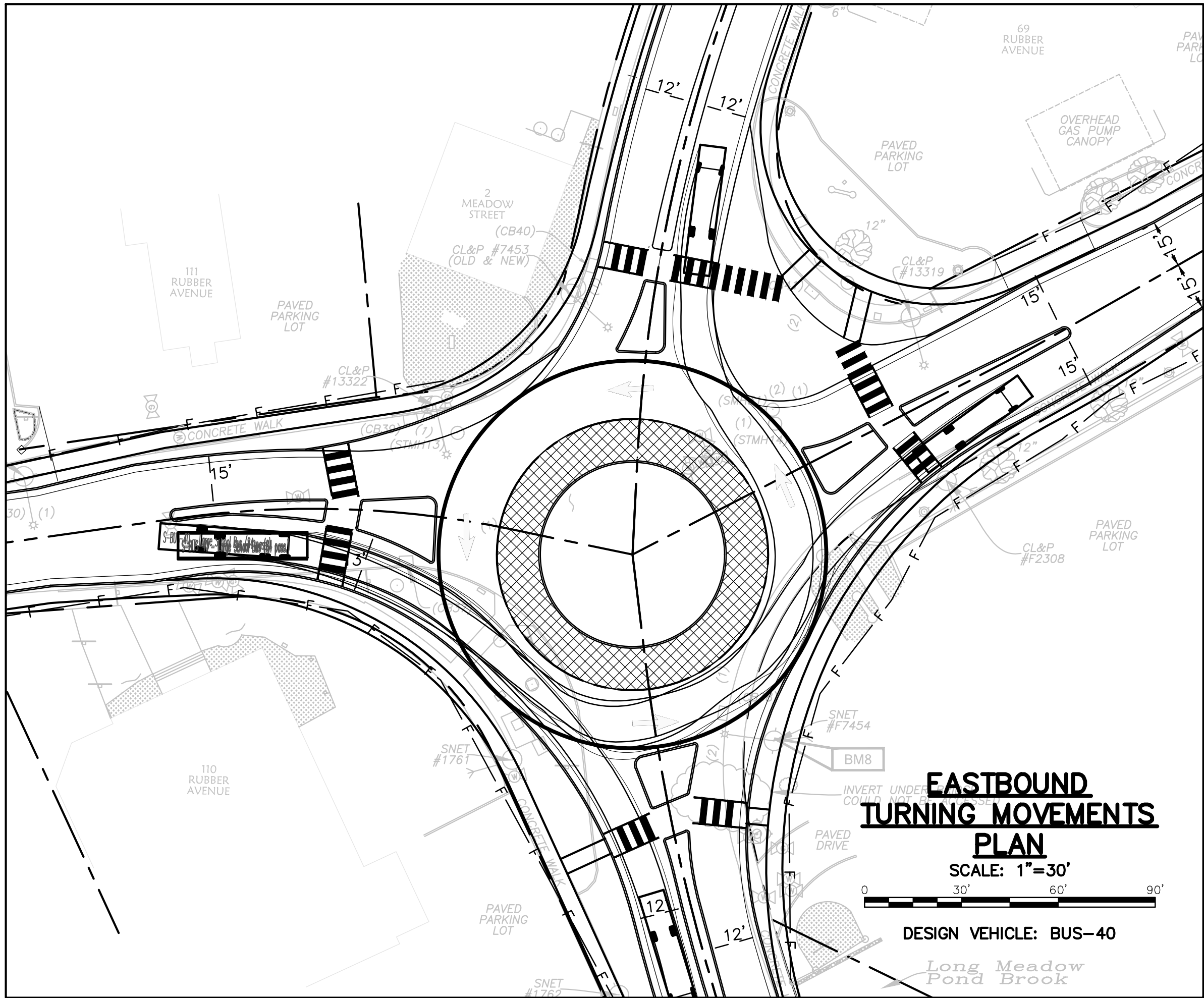
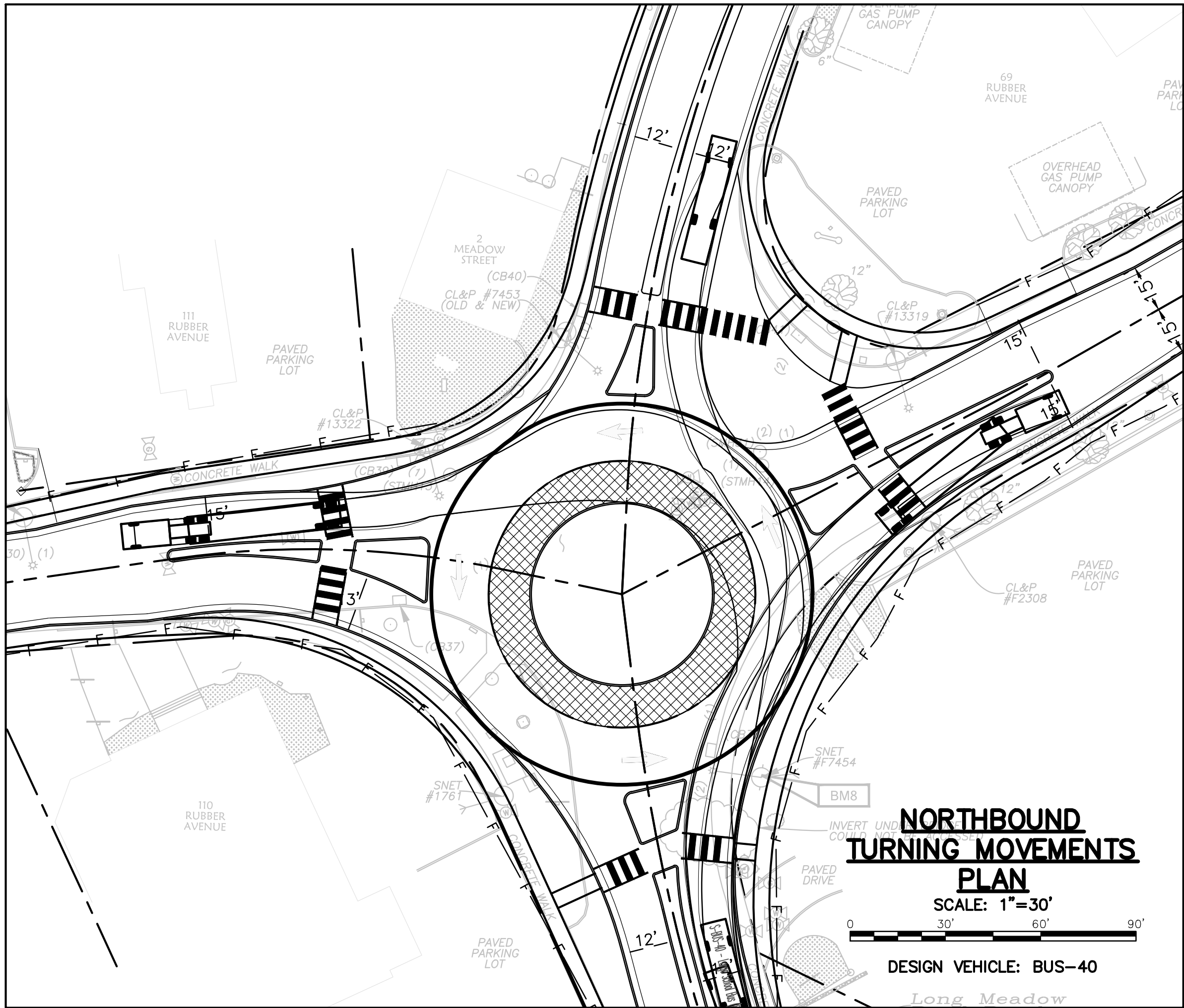
LOT/CP APPLICATION
08/2019

FILE NO.	CADD NO.	SCALE	CONTRACT	JOB NO.	DR.BY	DSN.BY	CHK.BY	APP.BY
VEH-1		AS SHOWN		2180733	LEC	LAS	ALN	ALN

BOROUGH OF NAUGATUCK
RUBBER AVENUE RECONSTRUCTION
VEHICLE TURNING PLAN (WB-62)
ROUNDABOUT

SHEET 14 OF 15

P:\CT\Naugatuck CT\2180733_Rubber Ave Reconstruction\CAD\RubberAve_Hwy.dwg



VEH-2

**VEHICLE TURNING PLAN (B-40)
ROUNDABOUT**

FILE NO.	CADD NO.	SCALE:	CONTRACT:	DR.BY	DSN.BY	CHK.BY	APP.BY
		AS SHOWN		LEC	LAS	ALN	ALN
				2180733			

**LOT/CP
APPLICATION
08/2019**

No.	Date	Dr.By	Ch.By	App.By	Description
		A	P	R	O
					V
					E
					D