Site Development Plan 40B THE WINSOR AT MILLBROOK VILLAGE

SHEET INDEX

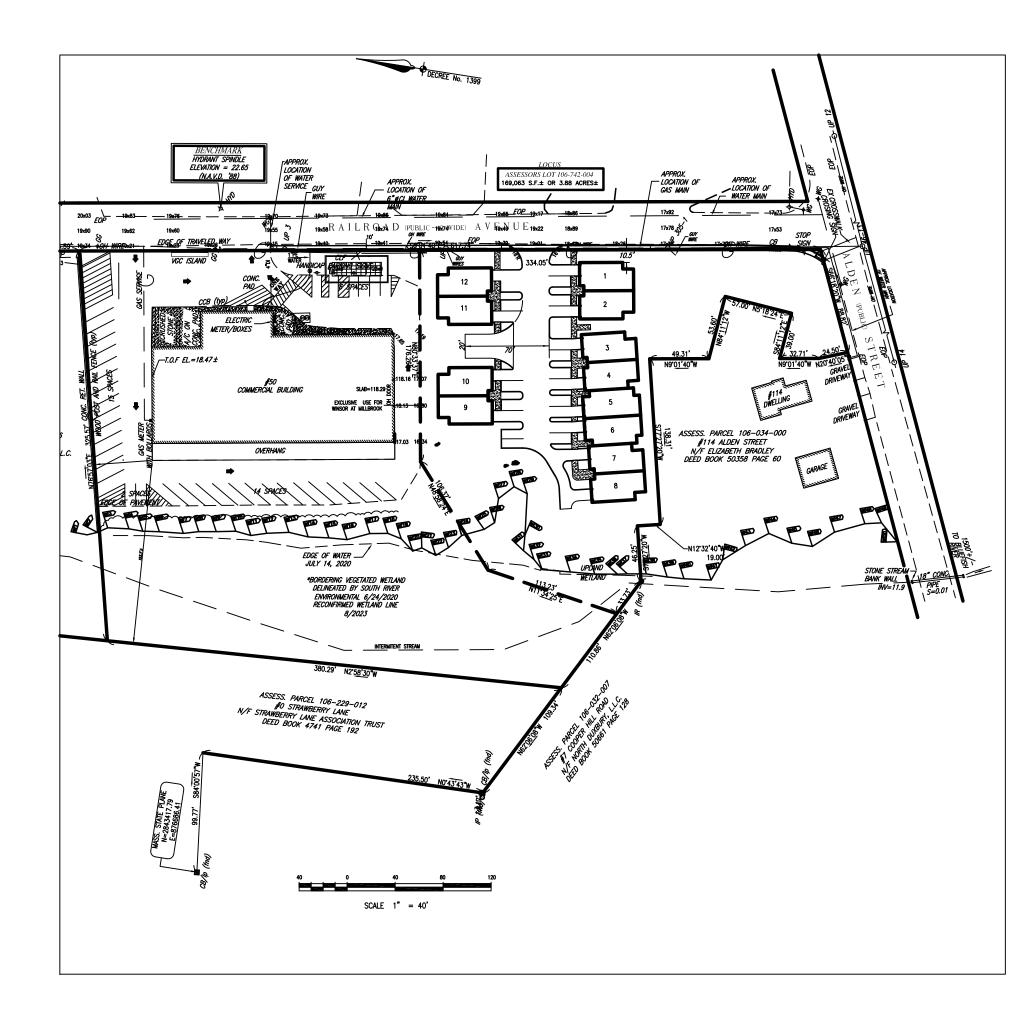
- 1 COVER/INDEX PLAN
- 2 EXISTING CONDITIONS PLAN
- 3 SITE LAYOUT PLAN 40 SCALE
- 4 SITE LAYOUT PLAN 20 SCALE
- 5 UTILITY PLAN
- 6 SEPTIC PLAN 1
- 7 SEPTIC PLAN 2
- 8 GRADING PLAN
- 9 CONSERVATION & LANDSCAPE PLAN
- 10 LANDSCAPE/LIGHTING PLAN
- 11 DRAINAGE DETAIL PLAN
- 12 DETAIL PLAN
- 13 SIDEWALK PLAN

DIMENSIONAL REQUIREMENTS NB-2 ZONING DISTRICT

MINIMUM LOT AREA 15,000 S.
MINIMUM LOT FRONTAGE 100 FT.
MINIMUM FRONT YARD 10 FT.
MINIMUM SIDE YARD 0 FT.
MINIMUM REAR YARD 0 FT.

REFERENCES

ADDRESS: 507 FOUNDRY STREET
OWNER: 50 RR AVE DUXBURY, LLC
DEED: BOOK 44285 PAGE 266
ASSESSORS: A PORTION OF 106-742-004
LOT AREA: 62,463± S.F.



50 RAILROAD AVENUE DUXBURY, MA

COVER INDEX PLAN

THE WINSOR at MILLBROOK, MILLBROOK, MILLBROOK, MILLBROOK, MILLAGE

PREPARED FOR
THE WINSOR

at MILLBROOK VILLAGE LLC



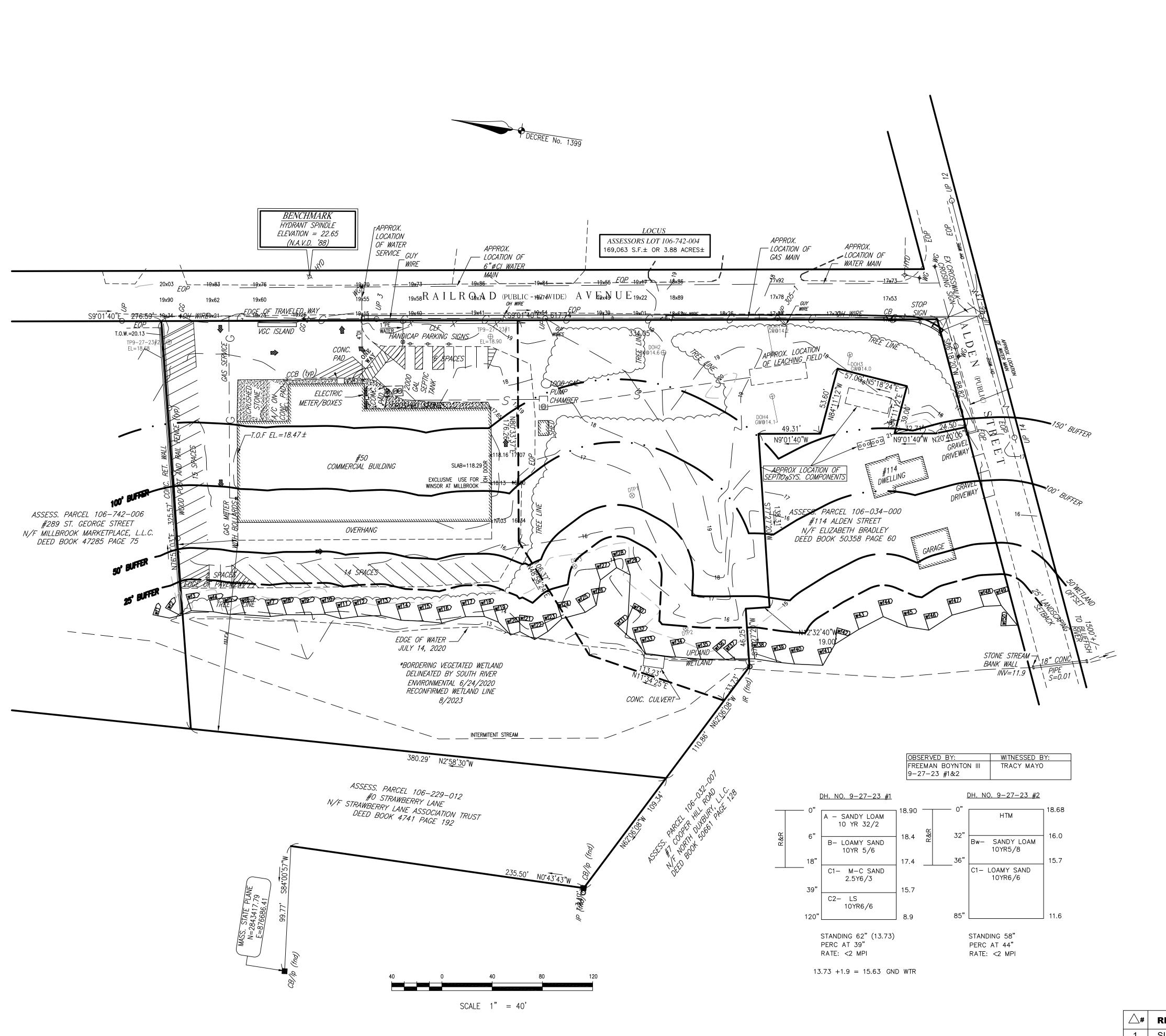
981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

_#	REVISIONS PER:	DATE:	DA
1	SUBMIT TO ZBA	6-15-23	- FIA
2	REVIEW ENGINEER	7-5-23	DW
3	REVIEW ENGINEER	9-12-23	DR
4	REVIEW ENGINEER	9-22-23r	RE
5	ZBA REVS	10-4-23	PRO
6	ZBA,SEPTIC,WETS	11-2-23X	
7	CON COM & ZBA	12-5-23	
8	NOTE SHT 13	12-13-23	

AAA A		
ſE:	DATE ISSUED:	11/30/
23	DWG. SCALE:	1"=80
3	DWG. SCALE:	1 -00
23	DRAWN BY:	ВС
23r	REVIEWED BY:	
23	PROJECT NO:	

COVER/INDEX PLAN

DRAWING NAME:



<u>DRAINAGE</u> <u>TEST HOLES</u>

BASIN 2

FILTRATI	ON S	YS		
<u>P-1</u> 9	9-8-	22	16.6	
-42" ?-44" :-55" :-78"	FILL A B C	SL SL SL L	10YR3/3 10YR6/8 2.5Y6/4 2.5Y5/6	
	,		- \	

WEEPING @ 65"(11.2) ADJ GND WTR ELEV=13.25

DEEP HOLES

	DELI HOLLS		
TEST PIT #	PERFORMED BY:	DATF	
IESI PII #	WITNESSED BY:	DATE	
1-3	S.R.PHINNEY ROBERT CROWELL	9-8-22	
1-5		9-0-22	

ASIN 1

MOTTLING @ 34" (ELEV=13.25)

 DTP-3
 9-8-22
 15.5

 0-36"
 A
 SL
 10YR6/8

 36-52"
 B
 SL
 2.5Y6/4

 50-63"
 C1
 SiL
 2.5Y5/6

 63-74"
 C2
 SL
 2.5Y5/6

 WEEPING @ 37" (12.41)

<u>DTP-2</u> 9-8-22 16.1

0-3" | FILL | SL | 10YR3/3 3-32" | A | SL | 10YR6/8

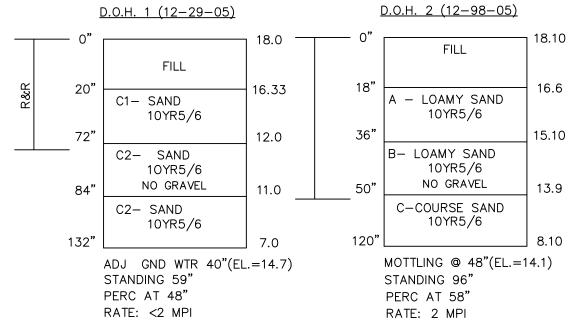
32-50" B SL 2.5Y6/4 50-63" C1 SiL 2.5Y5/3 63-74" C2 SL 2.5Y5/6

USE ELEV=13.25 FOR GND WTR FOR BASIN 2 & INFILTRATION SYS

MOTTLING @ 34" (ELEV=12.66)

SEPTIC SYSTEM TEST HOLES

DOU 2



	<u>[</u>	<u>DH. NO. 3 (12—29—05)</u>	<u>)</u>		<u> </u>	D.O.H. 4 (11-8-06)	
	— o"	A - LOAMY SAND 10 YR 2/1	17.2		0"	FILL	18.10
R&R	10"	B- LOAMY SAND 10YR 4/6	16.4	R&R	18"	A - LOAMY SAND 10YR5/6	16.6
	23"		15.3	œ	36"		15.10
		C1- SAND 10YR5/6			50 "	B- LOAMY SAND 10YR5/6 NO GRAVEL	13.9
						C-COURSE SAND 10YR5/6	
	144"		5.2		120"		8.10
		ADJ GND WTR 38"(EL STANDING 51"	=14.0)		MOTTLING @ 48"(EL.=1 STANDING 96"	4.1)

PERC AT 30"
RATE: <2 MPI

OBSERVED BY: WITNESSED BY:

JOHN SCHNAIBLE,CEC GEORGE MICHOV
D.O.H. 1-3 GALE ASSOC., INC

ROY OKUROWSKI,CEC
D.O.H. 4 GALE ASSOC., INC

RATE: 2 MPI

THE ABOVE SOIL LOGS REPRESENTS THE SOIL CONDITION
AT THEIR PARTICULAR LOCATION. THE SOIL CONDITIONS
MAY VARY IN OTHER LOCATIONS.

ESTIMATED HI-GROUND WATER IS BASED ON
TP-2, ELEVATION 69.8— USING FRIMPTER—

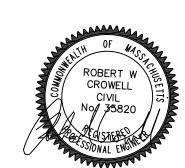
PERC AT 58"

EXISTING CONDITIONS PLAN

THE WINSOR at
MILLBROOK VILLAGE
DUXBURY, MA

PREPARED FOR THE WINSOR

MILLBROOK VILLAGE LLC

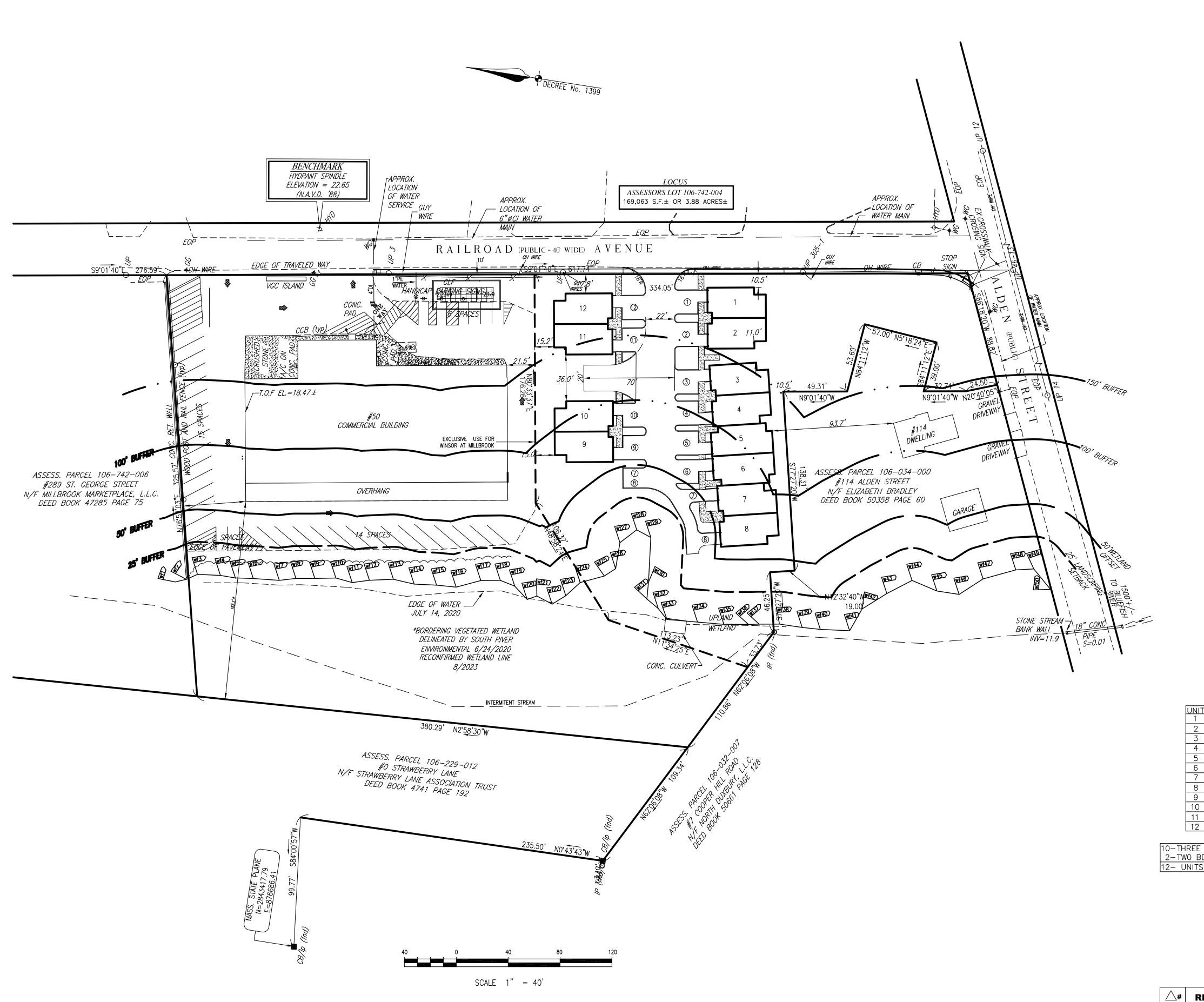


CROWELL ENGINEERING

981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

	<u>\</u> #	REVISIONS PER:	DATE:	DATE ISSUED:	11/30/2
1		SUBMIT TO ZBA	6-15-23	DWC COALE	4"-40!
2	2	REVIEW ENGINEER	7-5-23	DWG. SCALE:	1"=40'
3	3	REVIEW ENGINEER	9-12-23	DRAWN BY:	ВС
4	1	REVIEW ENGINEER	9-22-23	REVIEWED BY:	
6	6	ZBA,SEPTIC,WETS	11-2-23X	PROJECT NO:	
7	7	CON COM & ZBA	12-5-23		

EXISTING CONDITIONS
PLAN



	ZONING	TABL	E					
ZONING DISTRICT	NEIGHB	ORHOOD BUSI	NESS-2 NE	3-2				
OTHER DISTRICTS								
ZONING CRITERIA	REQUIRED	EXISTING	PROP	OSED				
		DUXPLEX	DUXPLEX	THE WINSOR				
MINIMUM LOT AREA	15,000 S.F.	169,063±SF	106,600 S.F.	62,463 S.F.				
MINIMUM FRONTAGE	100'	617.7'	283.38'	334.4'				
MINIMUM DEPTH	100'	325±'	325±'	176±'				
MAX. GROSS COVERAGE	50%	32.3%	49.9%	36.3%				
MIN. FRONT SETBACK	10'	33.4'	33.4'	10.5'				
MIN. SIDE SETBACK	0'	46.6'	21.5'	10.5'				
MIN. REAR SETBACK	0'	153.3'	153.3'	110.1'				
MAX. BLDG. HEIGHT	30'	22'	22'	30'				
PARKING SPACES	*	47	47	36				
PARKING CRITERIA * (THE WINSOR)	Dwelling units: 2—spaces/unit 12units = 24 spaces 1—garage space/unit = 12 spaces Total = 36 spaces							
GROSS COVERAGE COMPUTATION (THE WINSOR)	Building Area: Pavement & Co Total Covered A	•	941 s.f. 729 s.f. 22 670 s.f. 62	,670 = 36.8%				

A ZONING WAIVER IS REQUIRED FOR: USAGE

AREA CALCULATIONS							
	DUXPLE	ΞX	DUXPLE	ΞX	THE WII	NSOR	
DESCRIPTION	EXISTIN	IG	PROPOS	SED	PROPO	SED	
	AREA S.F.	PERCENT	AREA S.F.	PERCENT	AREA S.F.	PERCENT	
BUILDING AREA	19,116 S.F.	11.3%	19,019 S.F.	17.8%	11,941 S.F.	19.1%	
DRIVE/PARKING AREA	35,444 S.F.	21.0%	34,187 S.F.	32.1%	10,201 S.F.	16.3%	
WALKWAY AREA					1,709 S.F.	2.7%	
TOTAL IMPERVIOUS AREA	54,560 S.F.	32.3%	53,206 S.F.	49.9%	23,851 S.F.	38.2%	
WETLAND AREA	44,437 S.F.	26.3%	39,929 S.F.	38.4%	4,508 S.F.	7.2%	
TOTAL GREEN AREA	114,503 S.F.	67.7%	53,394 S.F.	50.1%	38,612 S.F.	61.8%	
TOTAL LOT AREA	169,063 S.F.	100.0%	106,600 S.F.	100.0%	62,463 S.F.	100.0%	

WETLAND AREAS	EXISTING DUXPLEX	PROPOSED DUXPLEX	THE WINSOR
WETLAND AREA	44,437 S.F.	39,929 S.F.	4,508 S.F.
LOT AREA WITHIN THE 25' BUFFER ZONE	13,582 S.F.	7,806 S.F.	5,776 S.F.
LOT AREA WITHIN THE 50' BUFFER ZONE	52,727 S.F.	40,901 S.F.	11,826 S.F.
LOT AREA WITHIN THE 100' BUFFER ZONE	78,465 S.F.	54,228 S.F.	24,237 S.F.
UPLAND AREA	123,321 S.F.	65,716 S.F.	57,955 S.F.

UNIT	BEDROOMS
1	2-BDRMS
2	3-BDRMS
3	3-BDRMS
4	2-BDRMS
5	3-BDRMS
6	3-BDRMS
7	3-BDRMS
8	3-BDRMS
9	3-BDRMS
10	3-BDRMS
11	3-BDRMS
12	3-BDRMS

10-THREE BDRM UNITS 30-BDRMS 2-TWO BDRM UNITS 4-BDRMS 12- UNITS 34- BEDROOMS

7 CON COM & ZBA 12-5-23

THE WINSOR at MILLBROOK VILLAGE

DUXBURY, MA

PREPARED FOR

THE WINSOR at

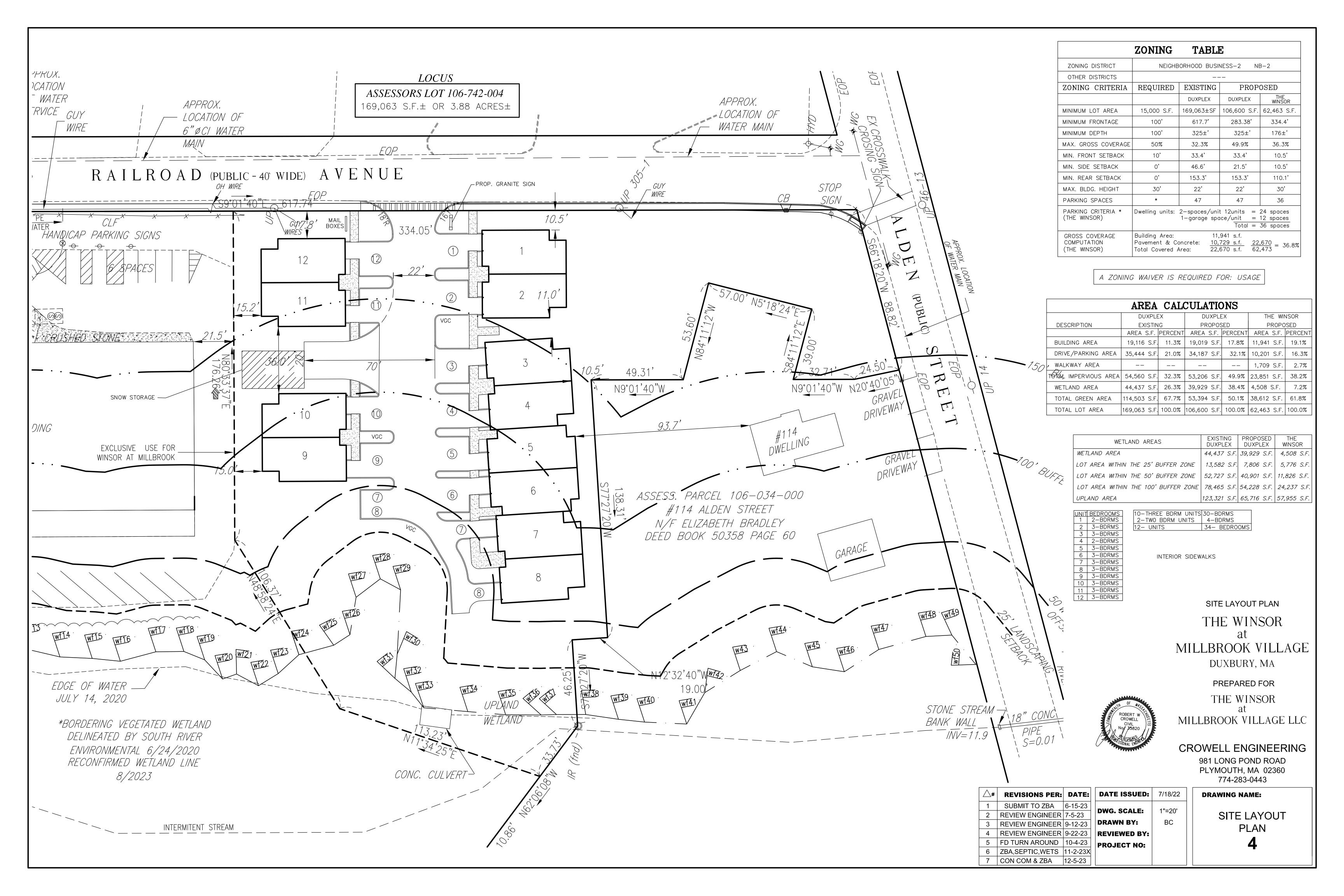
MILLBROOK VILLAGE LLC

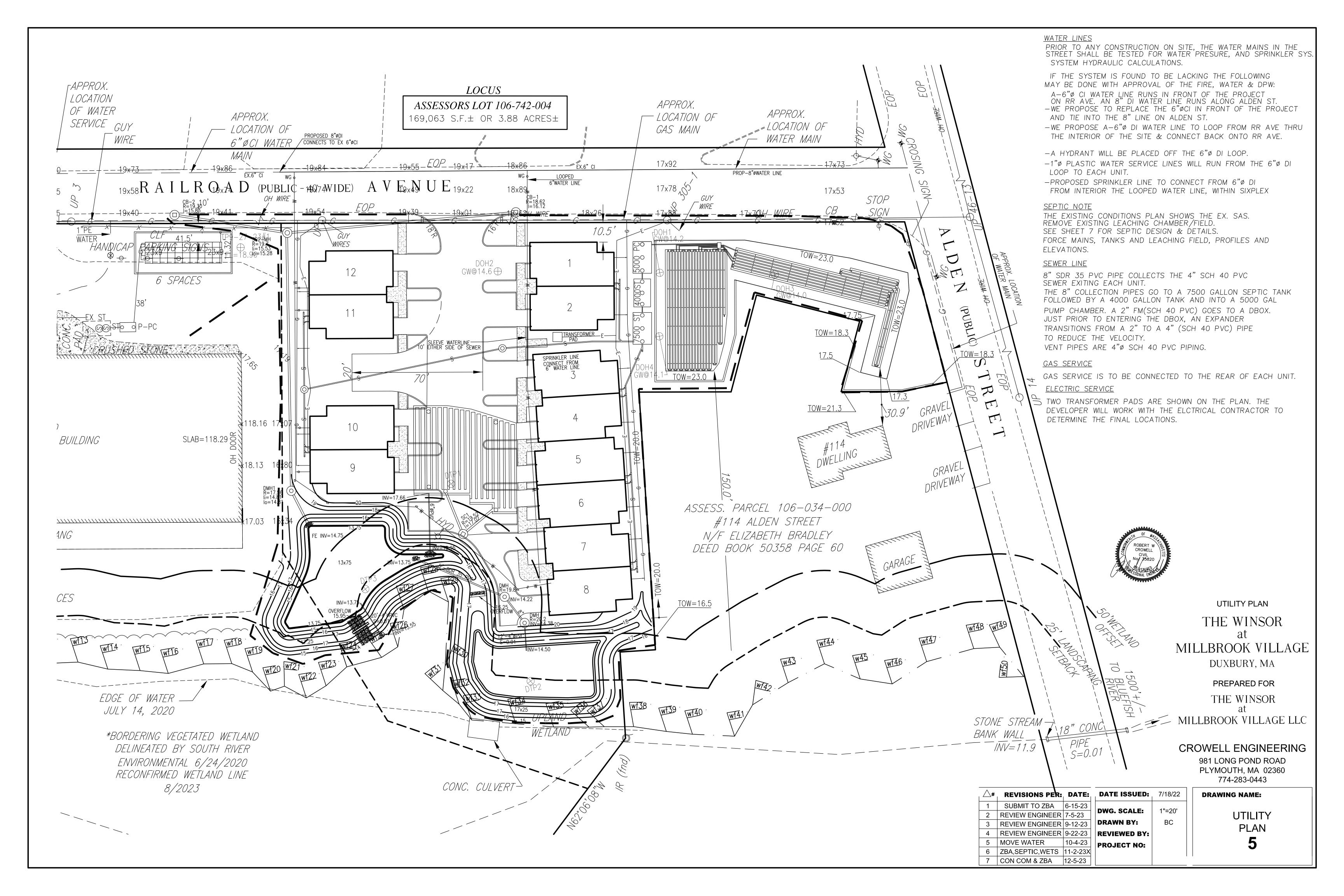


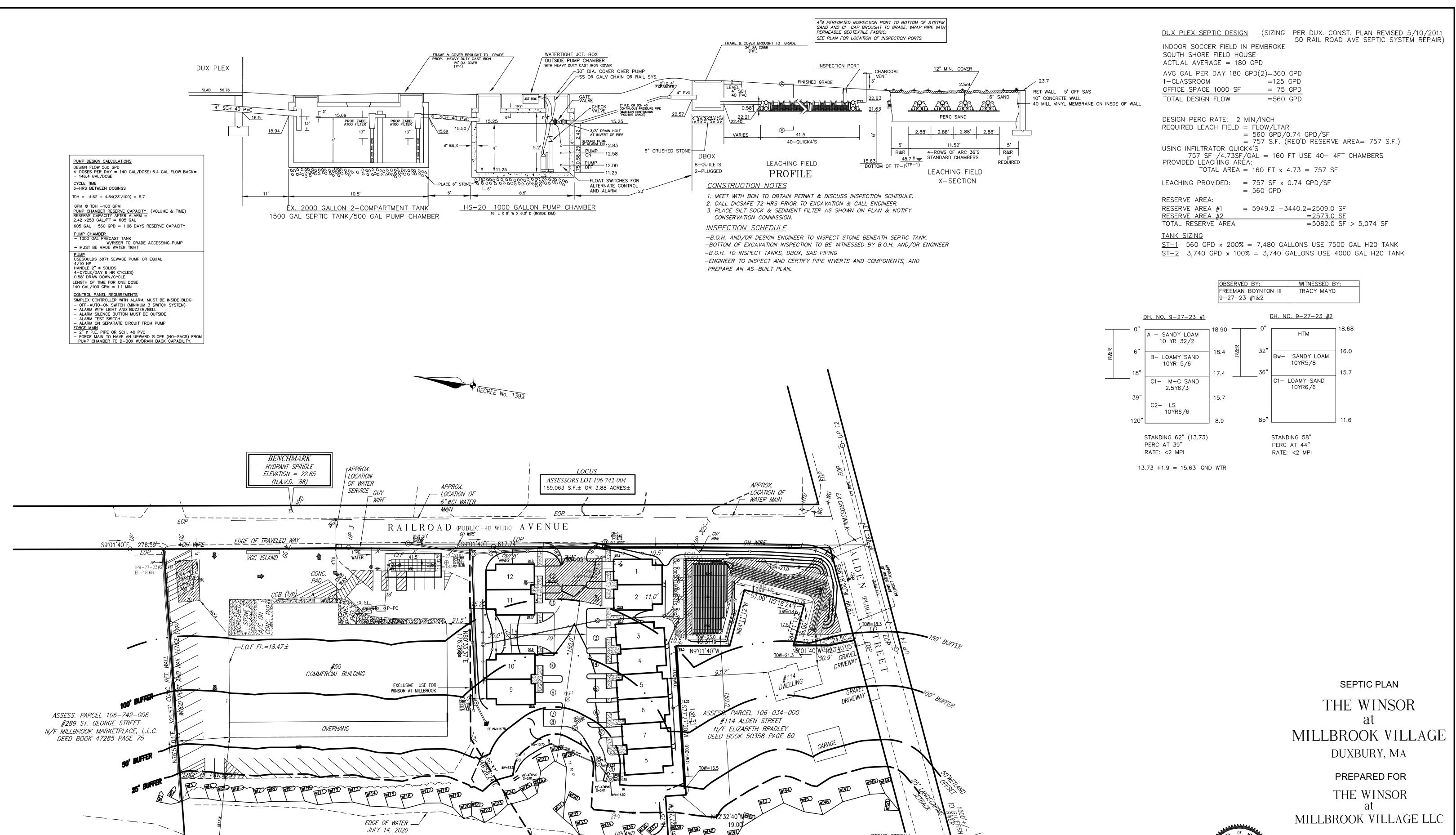
981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

			THE PROPERTY OF THE PROPERTY O	
REVISIONS PER:	DATE:		DATE ISSUED:	11/30/22
SUBMIT TO ZBA	6-15-23	Ī	DWC SCALE	1"=40'
REVIEW ENGINEER	7-5-23			
REVIEW ENGINEER	9-12-23		DRAWN BY:	ВС
REVIEW ENGINEER	9-22-23		REVIEWED BY:	
FD TURN AROUND	10-4-23		PROJECT NO:	
ZBA,SEPTIC,WETS	11-2-23X			
	SUBMIT TO ZBA REVIEW ENGINEER REVIEW ENGINEER REVIEW ENGINEER FD TURN AROUND	SUBMIT TO ZBA 6-15-23 REVIEW ENGINEER 7-5-23 REVIEW ENGINEER 9-12-23 REVIEW ENGINEER 9-22-23 FD TURN AROUND 10-4-23	SUBMIT TO ZBA 6-15-23 REVIEW ENGINEER 7-5-23 REVIEW ENGINEER 9-12-23 REVIEW ENGINEER 9-22-23 FD TURN AROUND 10-4-23	REVISIONS PER: DATE: SUBMIT TO ZBA 6-15-23 REVIEW ENGINEER 7-5-23 REVIEW ENGINEER 9-12-23 REVIEW ENGINEER 9-22-23 FD TURN AROUND 10-4-23 PROJECT NO:

SITE LAYOUT
PLAN
3







*BORDERING VEGETATED WETLAND DELINEATED BY SOUTH RIVER

ENVIRONMENTAL 6/24/2020

RECONFIRMED WETLAND LINE

INTERMITENT STREAM

CONC. CULVERT-

STONE STREAM — BANK WALL INV=11.9 ROBERT W
CROWELL
CIVIL
No. 35820

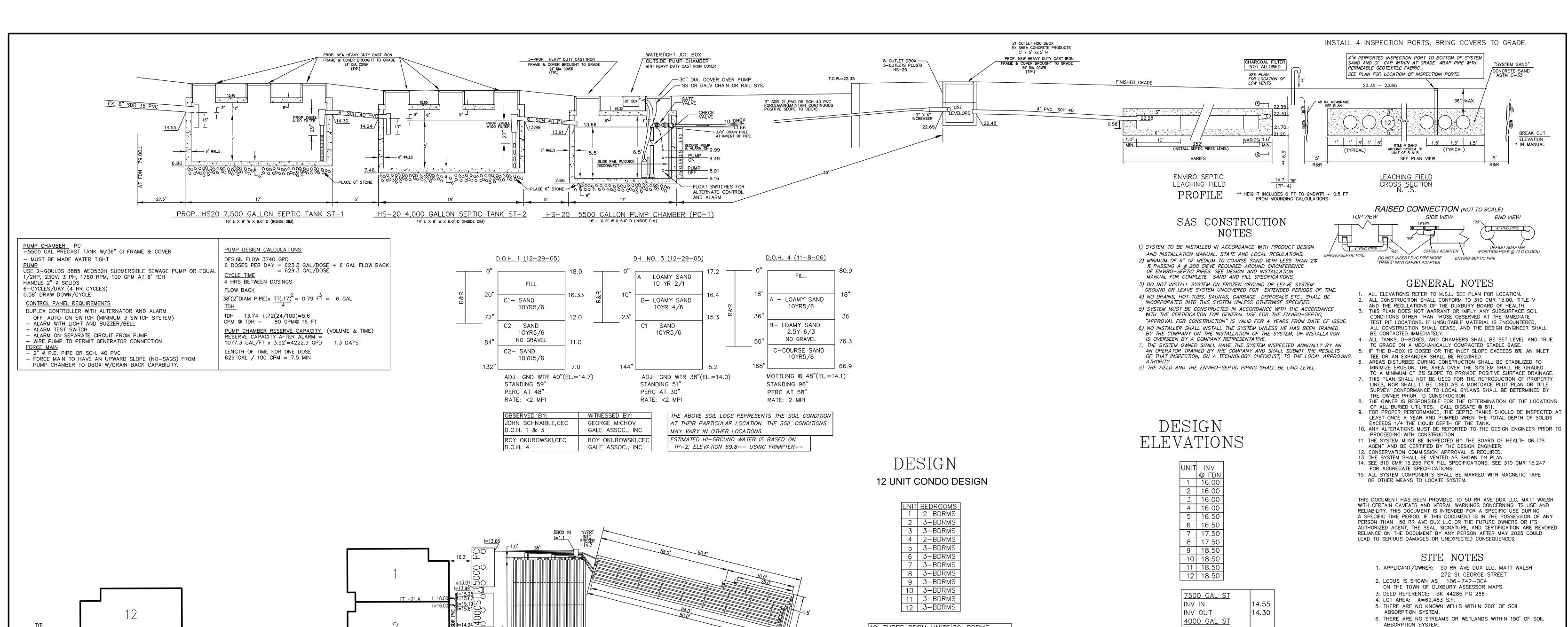
CROWELL ENGINEERING

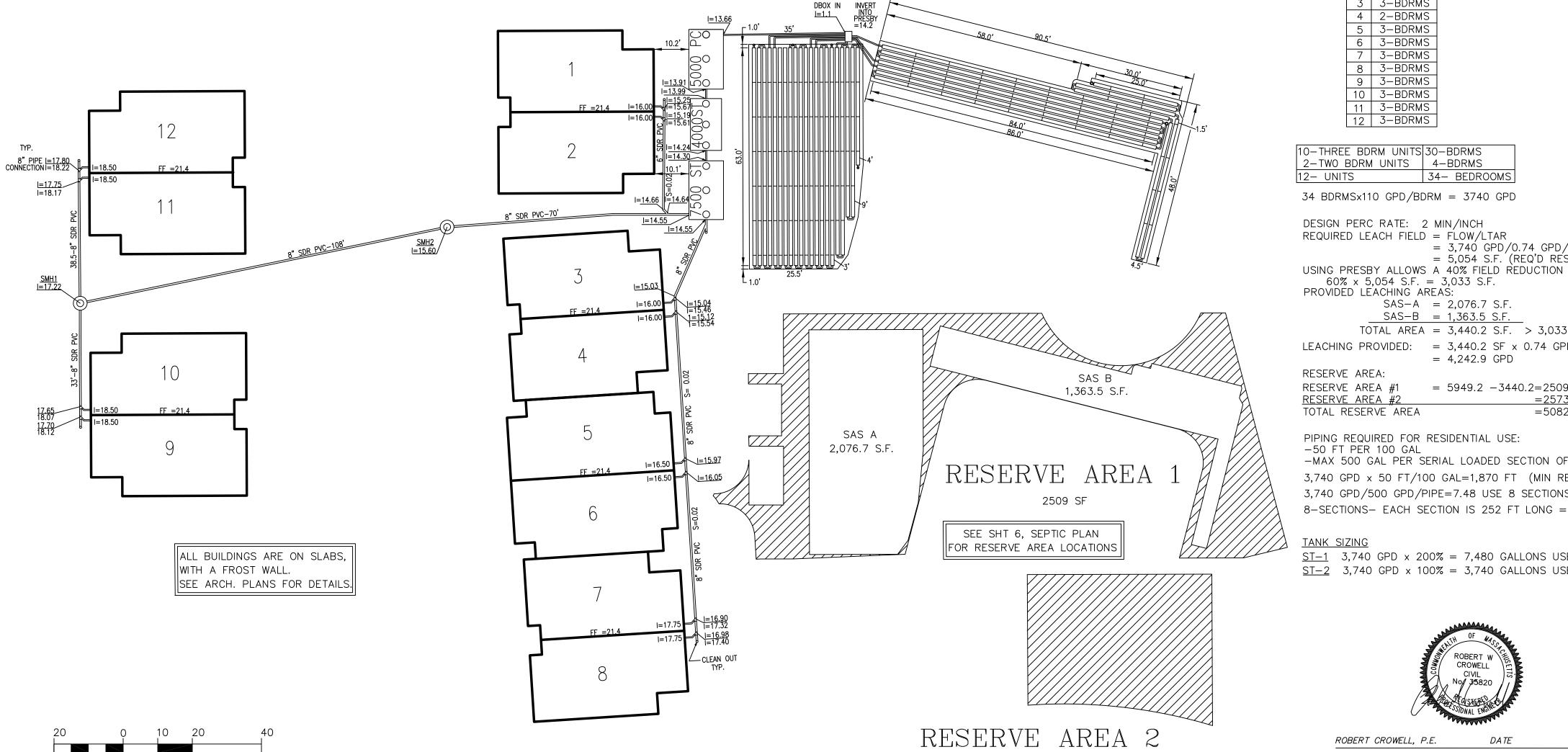
981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

<u></u>	REVISIONS PER:	DATE:	D
1	SUBMIT TO ZBA	6-15-23	DV
2	REVIEW ENGINEER	7-5-23	
3	REVIEW ENGINEER	9-12-23	DF
4	REVIEW ENGINEER	9-22-23	RE
5	ZBA ,SEPTIC,WETS	11-2-23X	PR
7	CON COM & ZBA	12-5-23	

DATE ISSUED:	11/30/2
WG. SCALE:	1"=40'
RAWN BY:	ВС
REVIEWED BY:	
ROJECT NO:	

DRAWING NAME:
SEPTIC
PLAN
6





(IN FEET)

1 inch = 20 ft.

10-THREE BDRM UNITS	30-BDRMS
10-THREE BDRM UNITS 2-TWO BDRM UNITS	4-BDRMS
12- UNITS	34- BEDROOMS

 $34 \text{ BDRMS} \times 110 \text{ GPD/BDRM} = 3740 \text{ GPD}$

DESIGN PERC RATE: 2 MIN/INCH REQUIRED LEACH FIELD = FLOW/LTAR

> = 3,740 GPD/0.74 GPD/SF= 5,054 S.F. (REQ'D RESERVE AREA = 5,054 S.F.)

60% x 5,054 S.F. = 3,033 S.F. PROVIDED LEACHING AREAS:

SAS-A = 2,076.7 S.F.SAS-B = 1,363.5 S.F.

TOTAL AREA = 3,440.2 S.F. > 3,033 SF

LEACHING PROVIDED: = $3,440.2 \text{ SF} \times 0.74 \text{ GPD/SF/0.6}$ = 4,242.9 GPD

RESERVE AREA: RESERVE AREA #1 = 5949.2 - 3440.2 = 2509.0 SF

RESERVE AREA #2 =5082.0 SF > 5,074 SF TOTAL RESERVE AREA

PIPING REQUIRED FOR RESIDENTIAL USE: -50 FT PER 100 GAL

-MAX 500 GAL PER SERIAL LOADED SECTION OF PIPING.

 $3,740 \text{ GPD} \times 50 \text{ FT/}100 \text{ GAL=}1,870 \text{ FT} \text{ (MIN REQ'D)}$

3,740 GPD/500 GPD/PIPE=7.48 USE 8 SECTIONS 8-SECTIONS- EACH SECTION IS 252 FT LONG = 2016 FT OF PIPING > 1870 FT

TANK SIZING

2010 SF

ST-1 3,740 GPD x 200% = 7,480 GALLONS USE 7500 GAL H20 TANK ST-2 3,740 GPD x 100% = 3,740 GALLONS USE 4000 GAL H20 TANK



ROBERT CROWELL, P.E.

I CERTIFY THAT THIS SYSTEM HAS BEEN DESIGNED IN CONFORMANCE WITH 310 CMR 15.00 AND LOCAL REQUIREMENTS OF THE DUXBURY B.O.H. REGULATIONS.

7500 GAL ST	
INV IN	14.55
INV OUT	14.30
4000 GAL ST	
INV IN	14.24
INV OUT	13.99
5000 GAL PC	
INV IN	13.91
INV OUT	13.66
DBOX	
INV IN	22.02
INV OUT	21.85
TOP OF PIPE	22.10
INV AT PRESBY	21.68
BOTTOM OF PIPE	21.10
BOT OF SAND	20.60
DIST TO GND WTR	6.5'

14.10

GRND WTR

SEPTIC DESIGN & DETAILS

7. THERE ARE NO KNOWN SURFACE OR SUBSURFACE DRAINS

8. THE SITE FALLS OUTSIDE A ZONE II OF THE AQUIFER

9. THE LEACHING AREA IS NOT LOCATED IN A FLOOD ZONE

AS SHOWN ON F.I.R.M. MAP 25023C0241L DATED 7/06/2021. 10. THERE ARE NO EXISTING FOUNDATIONS WITHIN 25' OF SAS.

11. LOCATION OF UTILITIES HAS BEEN COMPILED FROM EX. PLANS & FIELD SURVEY, AND ARE APPROXIMATE ONLY.

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR

12. DIG SAFE AND ALL APPLICABLE MUNICIPAL UTILITIES SHALL

BE NOTIFIED AT LEAST 72 BUSINESS HOURS PRIOR TO ANY

WITHIN 50' OF SOIL ABSORPTION SYSTEM.

TO COMMENCEMENT OF CONSTRUCTION.

CONSTRUCTION ON SITE. DIG SAFE # 811.

PROTECTION DISTRICT.

THE WINSOR MILLBROOK VILLAGE DUXBURY, MA

PREPARED FOR

THE WINSOR

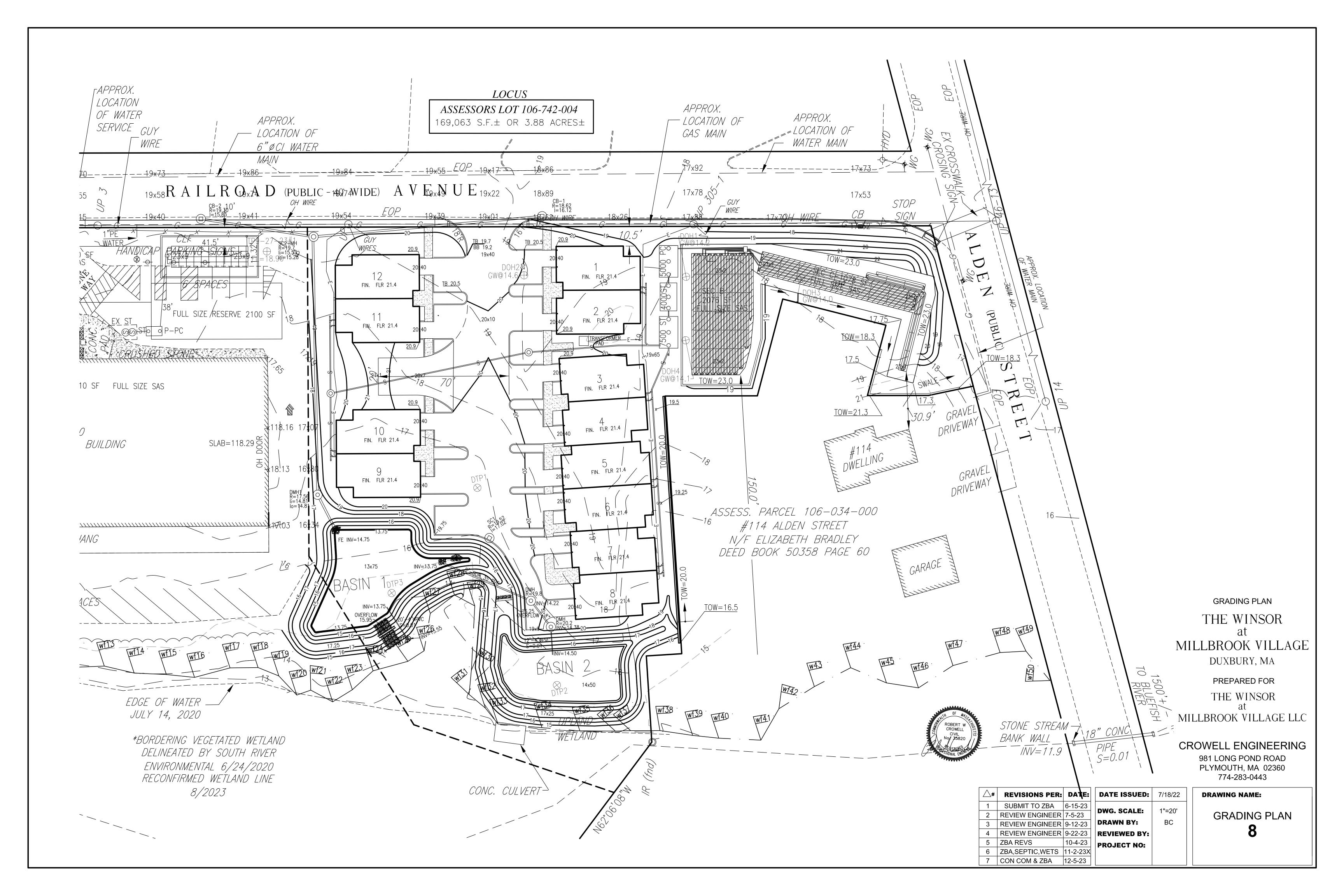
MILLBROOK VILLAGE LLC

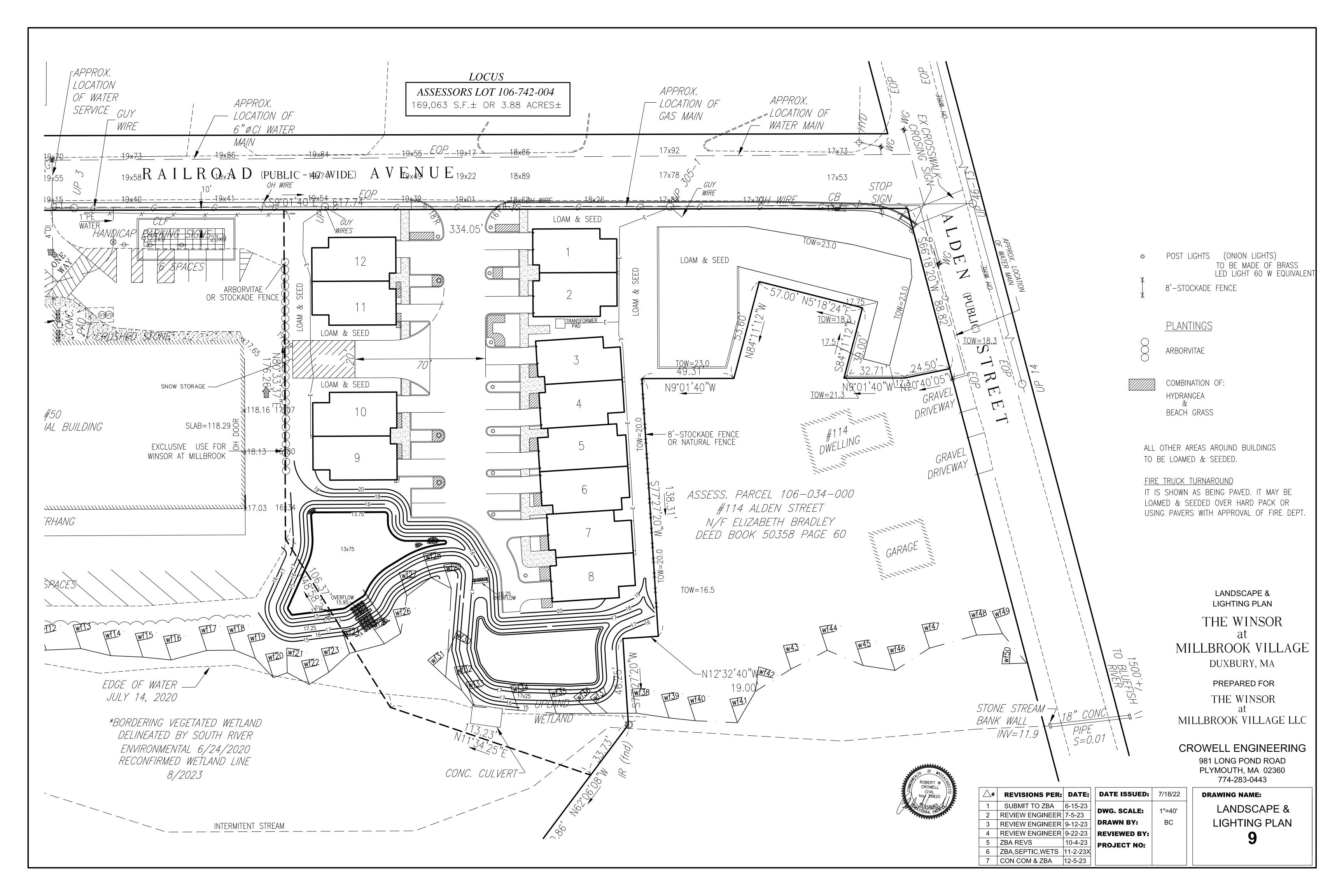
CROWELL ENGINEERING

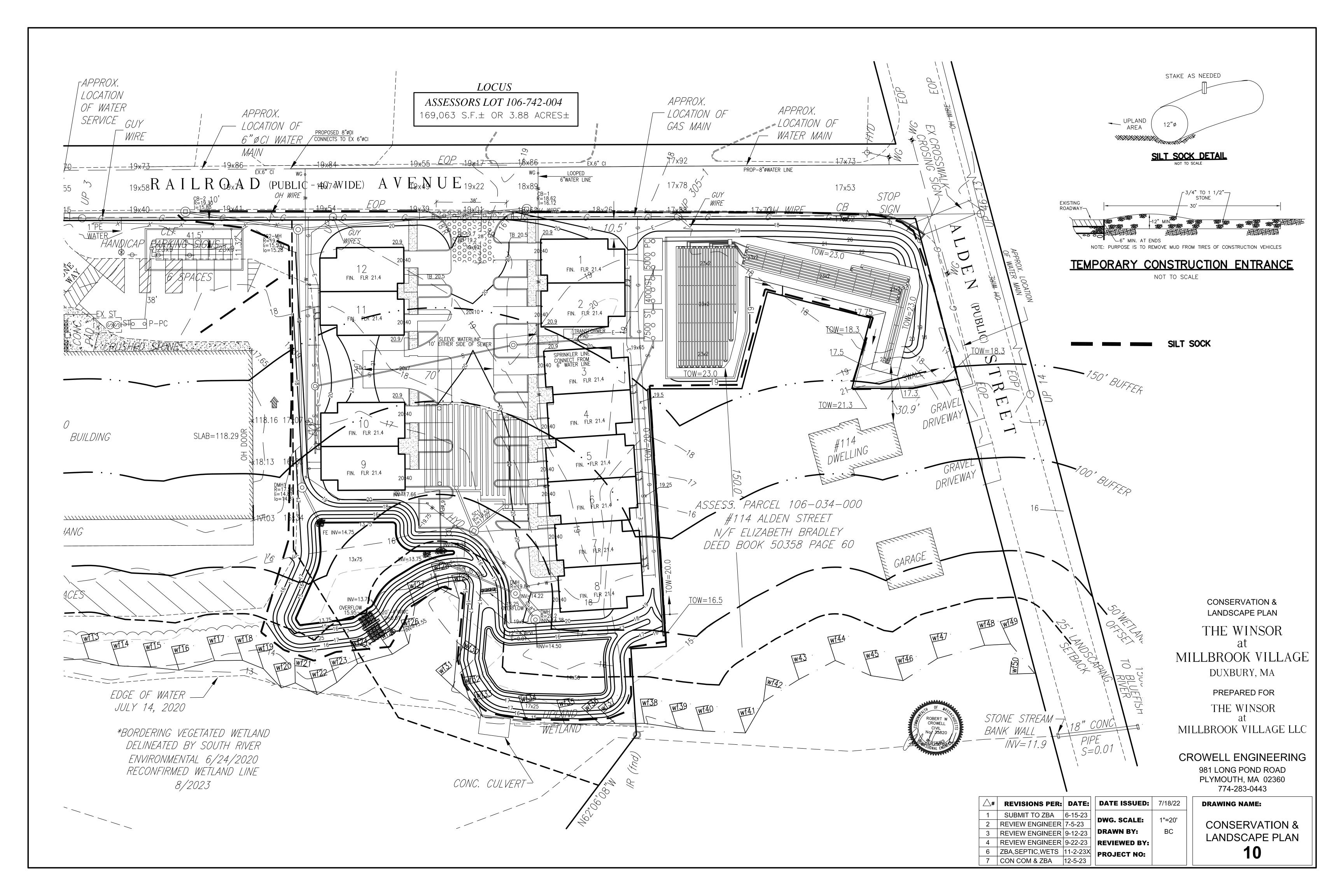
981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

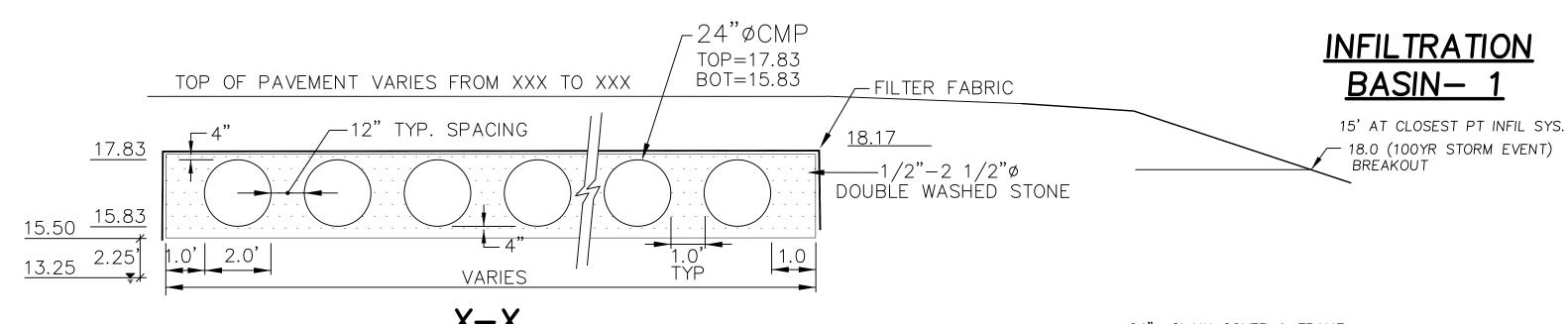
<u>\</u> #	REVISIONS PER:	DATE:	DATE ISSUED:	11/30/22
1	SUBMIT TO ZBA	6-15-23	DWG COALE	411-001
2	REVIEW ENGINEER	7-5-23	DWG. SCALE:	1"=20'
3	COMPLETE SEPTIC	9-12-23	DRAWN BY:	BC
3	ZBA,SEPTIC,WETS	11-2-23X	REVIEWED BY:	
7	CON COM & ZBA	12-5-23	PROJECT NO:	

DRAWING NAME: SEPTIC DESIGN







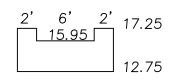


X-X

INFILTRATION SYS

18-ROWS OF 2.0'øCMP (VARYING LEGNTHS)
1.0' AROUND CMP-3/4"-1 1/2" DOUBLE WASHED STONE
BOT AREA = 3121 S.F. 24" CMP PIPE & MANIFOLD = 999'

	PEAK ELEVATIONS			
STORM	INFILTRATION	DETENTION	DETENTION	
EVENT	SYSTEM	BASIN NO. 1	BASIN NO. 2	
2yr	16.73	14.43	14.78	
10yr	17.42	14.90	14.94	
25yr	17.81	15.20	15.05	
100yr	18.07	15.85	15.22	

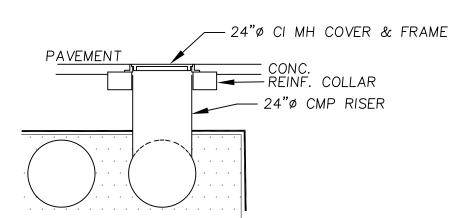


BASIN 1 OVERFLOW CONTROL

BASIN 2 OVERFLOW CONTROL

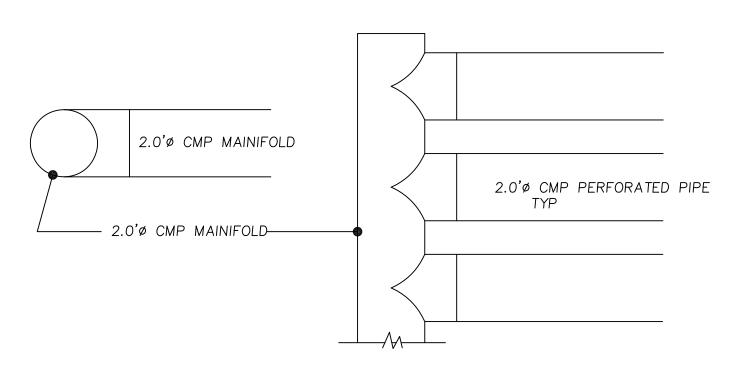
55'

13'

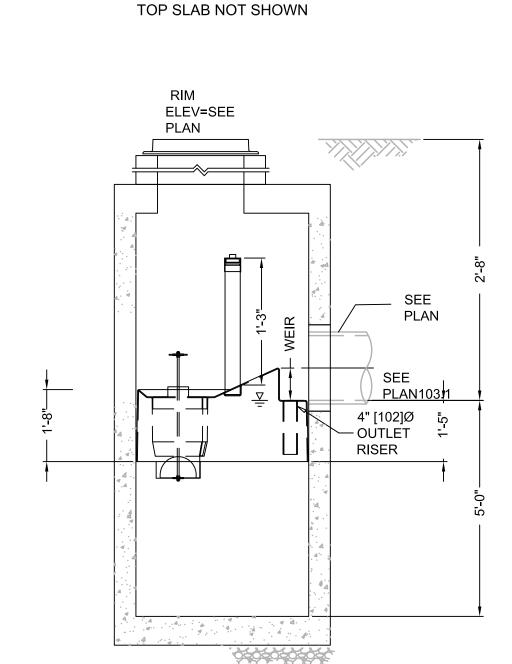


RISER DETAIL

2 RISERS AT EACH INFILTRATION SYSTEM --FOR INSPECTION--



MANIFOLD DETAIL



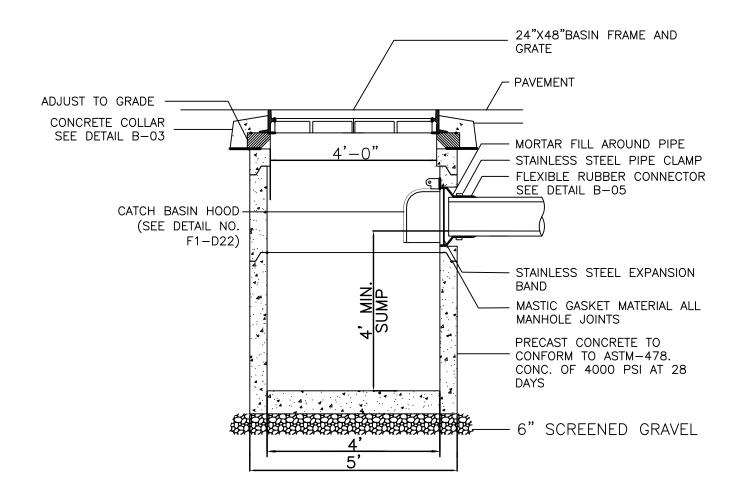
PLAN VIEW

SECTION A-A

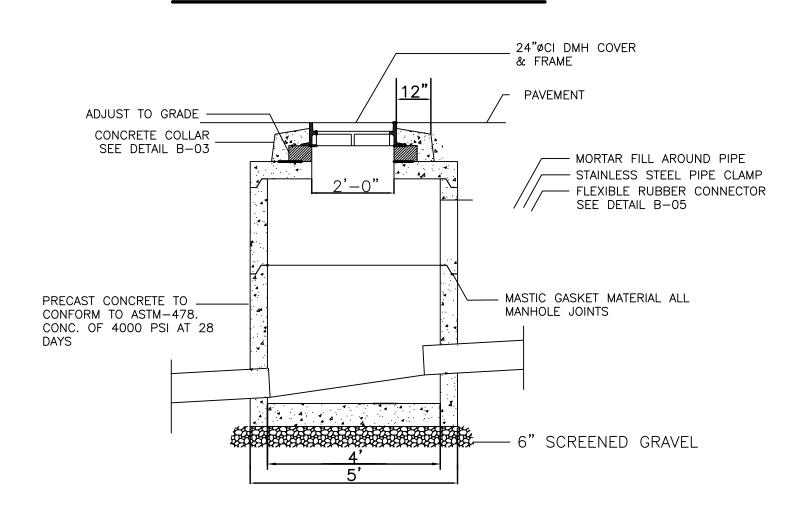
HYDRO DYNAMIC SEPARATORS

HYDRO-DYNAMIC SEPARATORS BY: CONTECH ENGINEERED SOLUTIONS CONTACT: DAVE ADAMS 207-885-6191

STR	RUCTURE	М	ODEL
	SC1	STC	450i



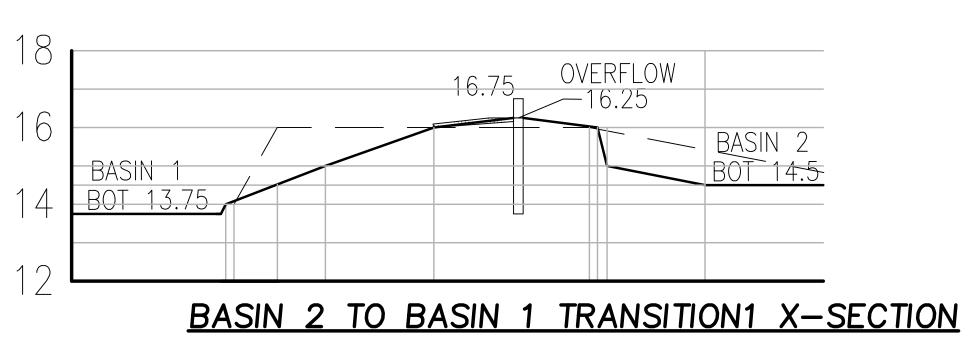
TYPICAL CATCH BASIN



TYPICAL MAN HOLE

-OVERFLOW 15.95 FE INV=14.75 BOT BASIN

BASIN 1 X-SECTION



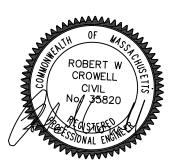
DRAINAGE **DETAIL PLAN**

THE WINSOR MILLBROOK VILLAGE

DUXBURY, MA

PREPARED FOR THE WINSOR

MILLBROOK VILLAGE LLC



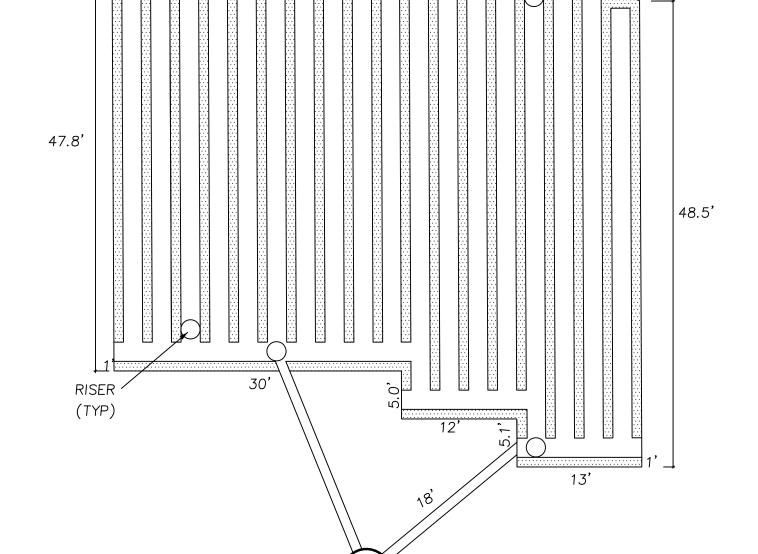
CROWELL ENGINEERING

981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

<u>\</u> #	REVISIONS PER:	DATE:	DATE ISSUED:	7/18/22
1	SUBMIT TO ZBA	6-15-23	DWC COALE	
2	REVIEW ENGINEER	7-5-23	DWG. SCALE:	AS NOTED
3	REVIEW ENGINEER	9-12-23	DRAWN BY:	ВС
4	REVIEW ENGINEER	9-22-23	REVIEWED BY:	
6	ZBA,SEPTIC,WETS	11-2-23X	PROJECT NO:	

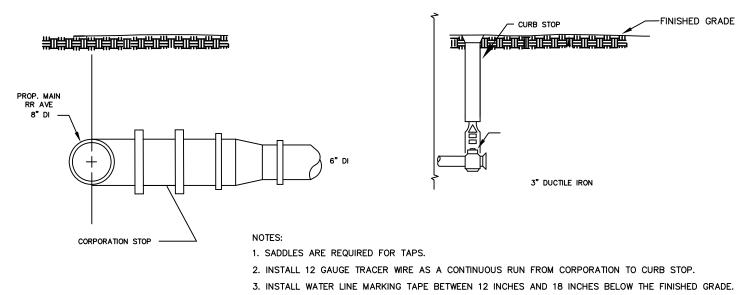
DRAWING NAME: DRAINAGE **DETAIL PLAN**

11

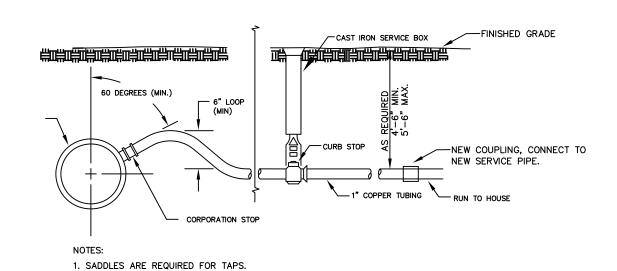


INFILTRATION SYS. PLAN

1" = 10'



TYPICAL SERVICE CONNECTION NOT TO SCALE

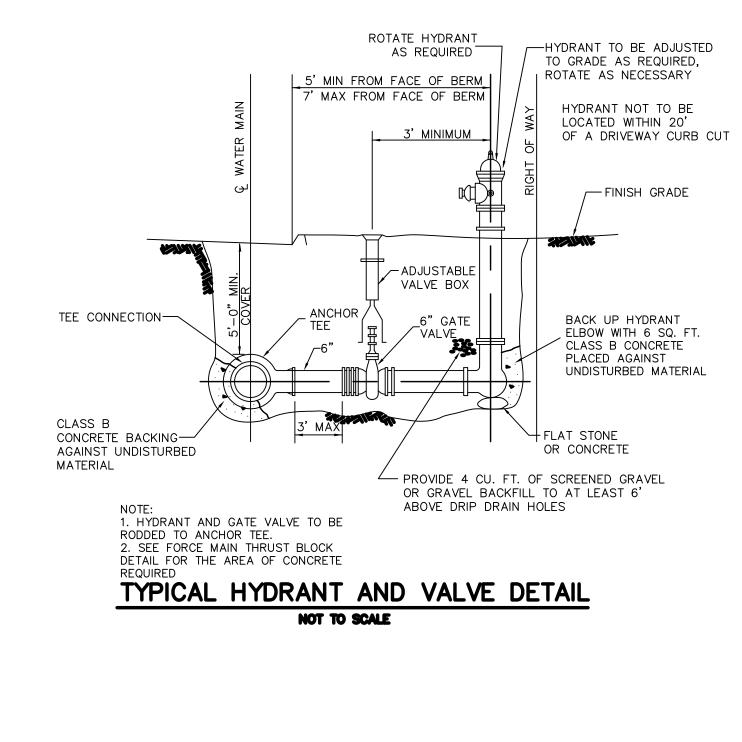


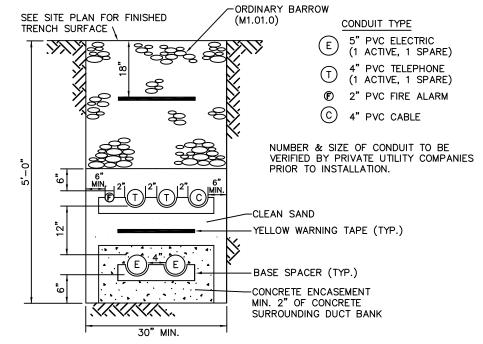
2. INSTALL 12 GAUGE TRACER WIRE AS A CONTINUOUS RUN FROM CORPORATION TO CURB STOP. 3. INSTALL WATER LINE MARKING TAPE BETWEEN 12 INCHES AND 18 INCHES BELOW THE FINISHED GRADE.

TYPICAL SERVICE CONNECTION NOT TO SCALE

INTERIOR SIDEWALK NOTE

CONSTRUCTION OF INTERIOR SIDEWALKS TO BE ONE OF THE FOLLOWING: BITUMINOUS CONCRETE, CONCRETE, STAMPED CONCRETE, PAVERS OR BLUE STONE.

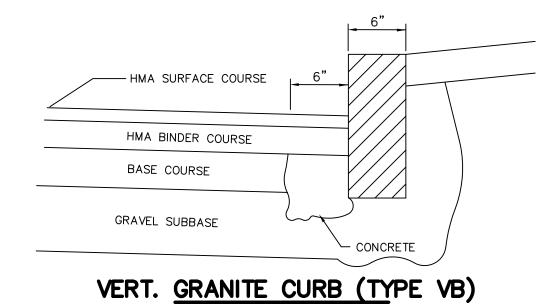




ALL TRENCH CONDUITS SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED

COMMON TRENCH DETAIL ELECTRIC/TELEPHONE/FIRE ALARM/CABLE

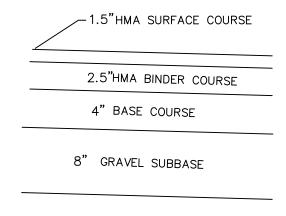
NOT TO SCALE



-VERTICAL GRANITE CURBING-TYPE VB SHALL CONFORM TO SPECIFICATION M9.04.1 AND SECTION 500.

-ALL JOINTS BETWEEN PROPOSED CURB STONES SHALL CONFORM TO THE MATERIAL REQUIREMENTS OF M4.02.15 OF THE MASSDOT STANDARD SPECIFICATIONS.

1. THIS PROCEDURE IS APPLICABLE ONLY IF CURB IS TO BE SET AFTER BASE COURSE IS IN PLACE PRIOR TO BINDER AND TOP PLACEMENT. 2. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE BASE AND GRAVEL. REPLACE WITH CEMENT CONCRETE. 3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED; ALL TEST REQUIREMENTS ARE WAIVED. HOT MIX ASPHALT SHALL NOT BE USED AS A SUBSTITUTE.



BIT. CONCRETE PAVING DETAIL NOT TO SCALE

CONSTRUCTION OF SIDEWALKS AND DRIVEWAYS TO FOLLOW: SECTION 702.41: PREPARATION OF UNDERLYING SURFACE SECTION 702.42: E. HOT MIX ASPHALT PLACEMENT (a) THE MIXTURE TYPE SHALL BE IN ACCORDANCE WITH 702.30: GENERAL.



THE WINSOR MILLBROOK VILLAGE

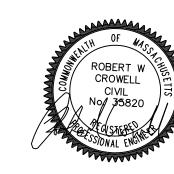
DETAIL PLAN

DUXBURY, MA

PREPARED FOR

THE WINSOR

MILLBROOK VILLAGE LLC



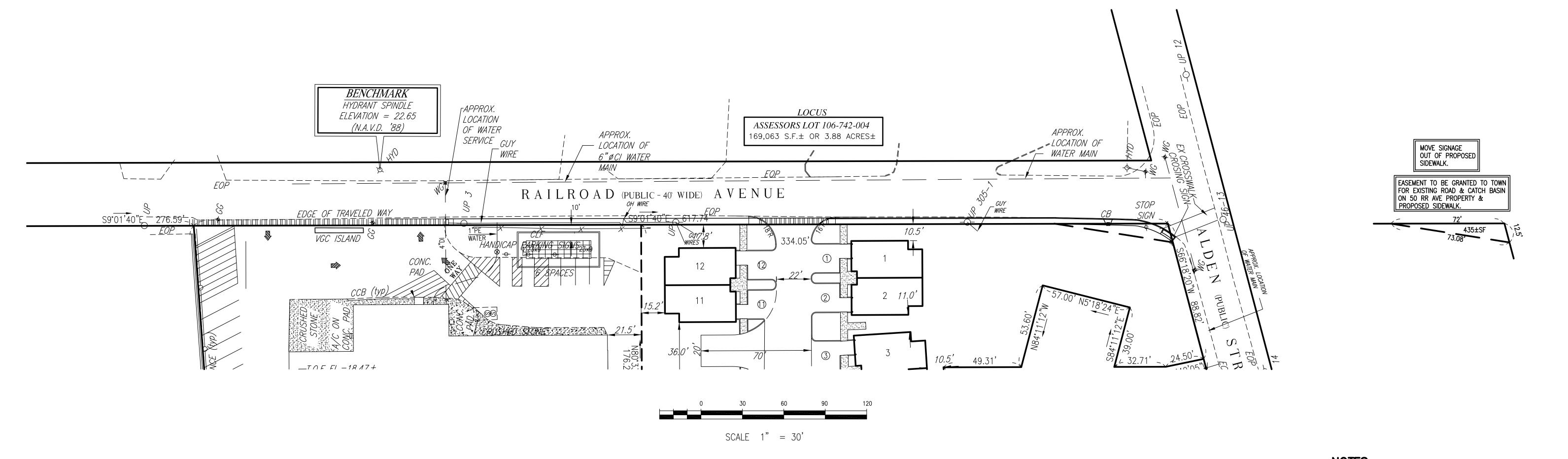
CROWELL ENGINEERING

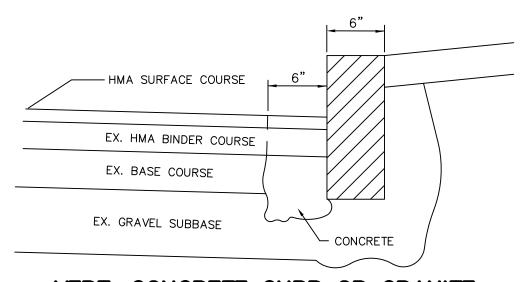
DRAWING NAME:

981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

#	REVISIONS PER:	DATE:	DATE ISSUED:	9/12/23
	ZBA,SEPTIC,WETS	11-2-23X	DWC COALE	AC NOTE
	CON COM & ZBA	12-5-23	DWG. SCALE:	AS NOTE
			DRAWN BY:	BC
			REVIEWED BY:	
			PROJECT NO:	
	1	I I		I

DETAIL PLAN





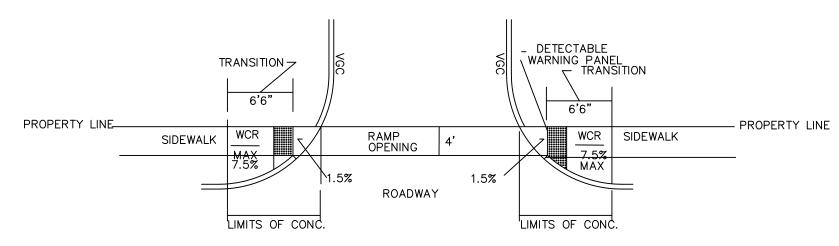
VERT. CONCRETE CURB OR GRANITE

NOT TO SCALE

-VERTICAL GRANITE CURBING-TYPE VB SHALL CONFORM TO SPECIFICATION M9.04.1 AND SECTION 500. -ALL JOINTS BETWEEN PROPOSED CURB STONES SHALL CONFORM TO THE MATERIAL REQUIREMENTS OF M4.02.15 OF THE MASSDOT STANDARD SPECIFICATIONS.

1. THIS PROCEDURE IS APPLICABLE ONLY IF CURB IS TO BE SET AFTER BASE COURSE IS IN PLACE PRIOR TO BINDER AND TOP PLACEMENT. 2. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE BASE AND GRAVEL. REPLACE WITH CEMENT CONCRETE.

3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED; ALL TEST REQUIREMENTS ARE WAIVED. HOT MIX ASPHALT SHALL NOT BE USED AS A SUBSTITUTE.



WHEELCHAIR RAMP DETAIL

NOT TO SCALE

CONSTRUCTION OF WHEELCHAIR RAMPS(WCR'S) & SIDEWALKS TO FOLLOW:

SECTION 701.40: PREPARATION OF UNDERLYING SURFACE MAKE SUBBASE PARALLEL TO THE PROPOSED SURFACE, COMPACTED UNTILL SURFACE IS SMOOTH AND HARD.

PLACE 8" OF GRAVEL, COMPACT AND GRADE MEETING REQUIREMENTS OF SUBSECTION 170: GRADING.

SECTION 701.41: CEMENT CONCRETE SIDEWALKS AND WCR'S. CONCRETE SHALL BE 4" DEEP; CEMENT CONCRETE M4.02.00.

SECTION 702.42: CONSTRUCTION OF HOT MIX ASPHALT SIDEWALKS AND DRIVEWAYS

SEE SIDEWALK DETAIL; HOT MIX ASPHALT M3.01.4

NOTES

THE SIDEWALKS, DRAINAGE IN THE STREET & HEIGHT OF BUILDINGS ARE CONTINGENT UPON NOT HAVING TO APPEAR BEFORE THE HOUSING APPEAL COMMITTEE, DEP &/OR SUPERIOR COURT.

CONSTRUCTION OF SIDEWALKS IN THE STREET TO BE BITUMINOUS CONCRETE.

SIDEWALK PLAN

THE WINSOR MILLBROOK VILLAGE

DUXBURY, MA

PREPARED FOR

THE WINSOR

MILLBROOK VILLAGE LLC



CROWELL ENGINEERING

981 LONG POND ROAD PLYMOUTH, MA 02360 774-283-0443

_ #	REVISIONS PER:	DATE:	DATE ISSUED:	10/3/23
6	ZBA,SEPTIC,WETS	11-2-23X	DWC SCALE	4"-20'
7	CON COM & ZBA	12-5-23	DWG. SCALE:	1"=30'
8	CORRECT NOTE	12-13-23	DRAWN BY:	ВС
			REVIEWED BY:	
			PROJECT NO:	

DRAWING NAME:
SIDEWALK PLAN
13