91 BEATRICE CIRCLE

BELMONT, MA

ARCHITECTURAL DESIGN PRESENTATION

JULY 12, 2021

ARCHITECTURE







SUMMARY OF REVISIONS

REDUCED IMPACT OF REAR TOWNHOUSES

THIRD FLOOR INCORPORATED INTO ROOF STRUCTURE

OVERALL ROOF HEIGHT LOWERED

SECOND FLOOR BALCONIES REMOVED



















ASPHALT SHINGLES BLACK



FIBER CEMENT CLAPBOARD SIDING WHITE



FIBER CEMENT CLAPBOARD SIDING DARK BLUE



FIBER CEMENT CLAPBOARD SIDING MEDIUM GRAY



FIBER CEMENT VERTICAL BOARD & BATTEN WHITE































































FIBER CEMENT CLAPBOARD SIDING LIGHT GRAY



FIBER CEMENT SHINGLE SIDING DARK BLUE



CEDAR SHIPLAP SIDING NATURAL FINISH



FIBER CEMENT CLAPBOARD SIDING MEDIUM GRAY



FIBER CEMENT SHINGLE SIDING DARK GREEN



FIBER CEMENT VERTICAL BOARD & BATTEN DARK GRAY













SUMMARY OF REVISIONS

REDUCED IMPACT OF REAR TOWNHOUSES

RECONFIGURED ELEMENTS OF SITE PLAN

REDUCED IMPACT ON EXISTING TREES AT WEST OF SITE

RELOCATED SHARED PATIO SPACE

INTRODUCED ADDITIONAL PARKING SPACE

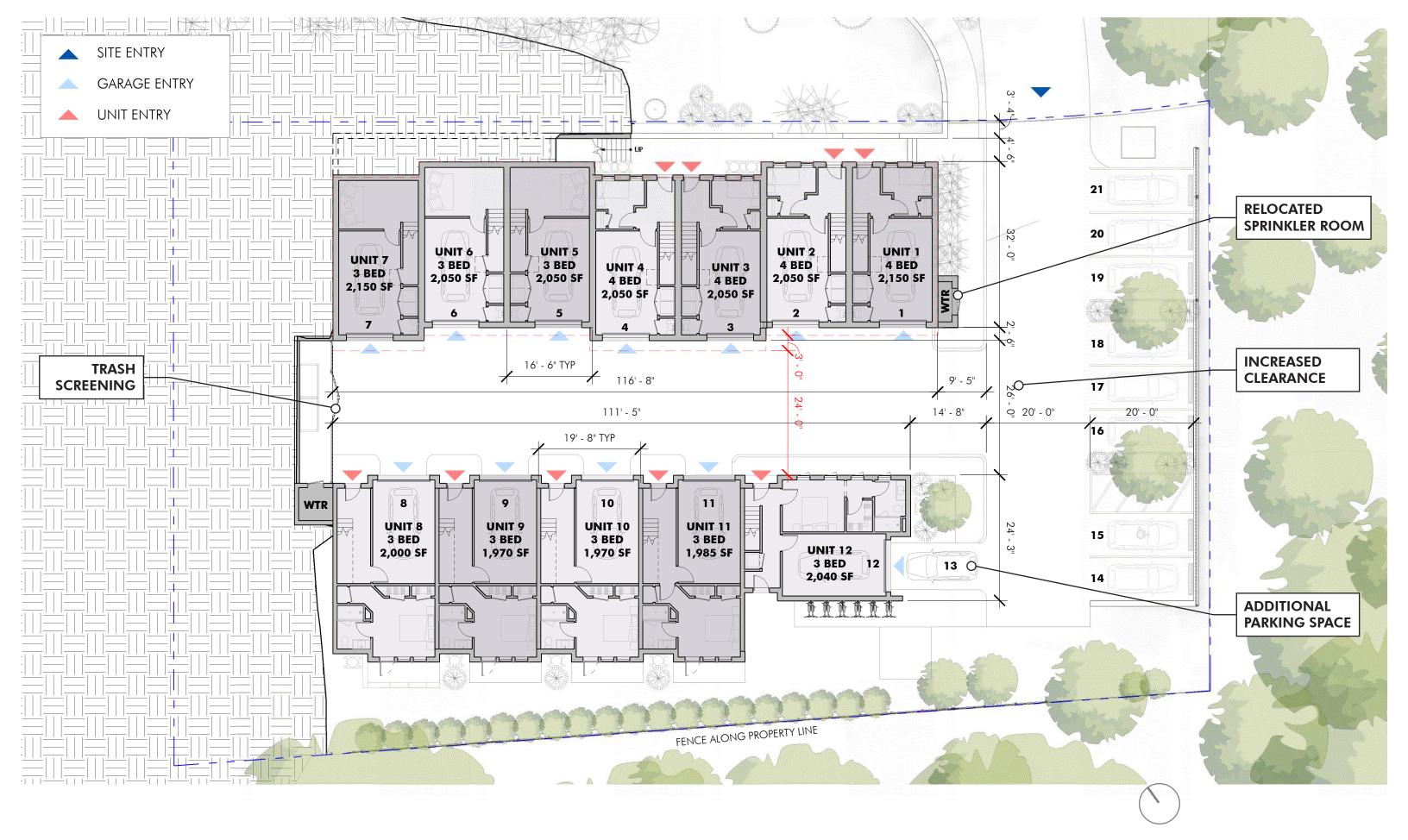
INCREASED CLEARANCE BETWEEN TOWNHOUSE ROWS











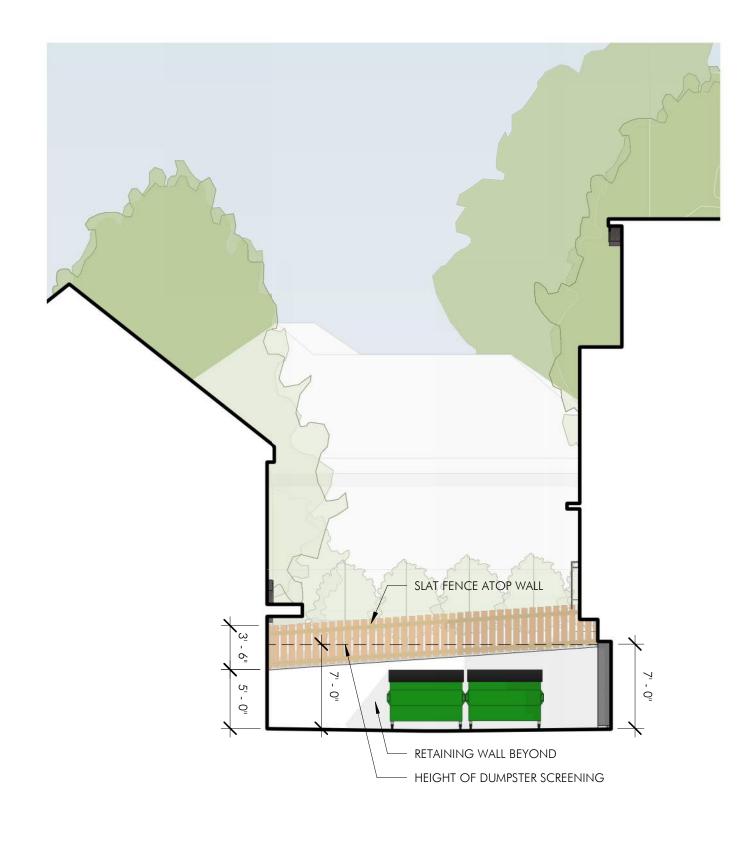


































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REDUCED IMPACT OF REAR TOWNHOUSES

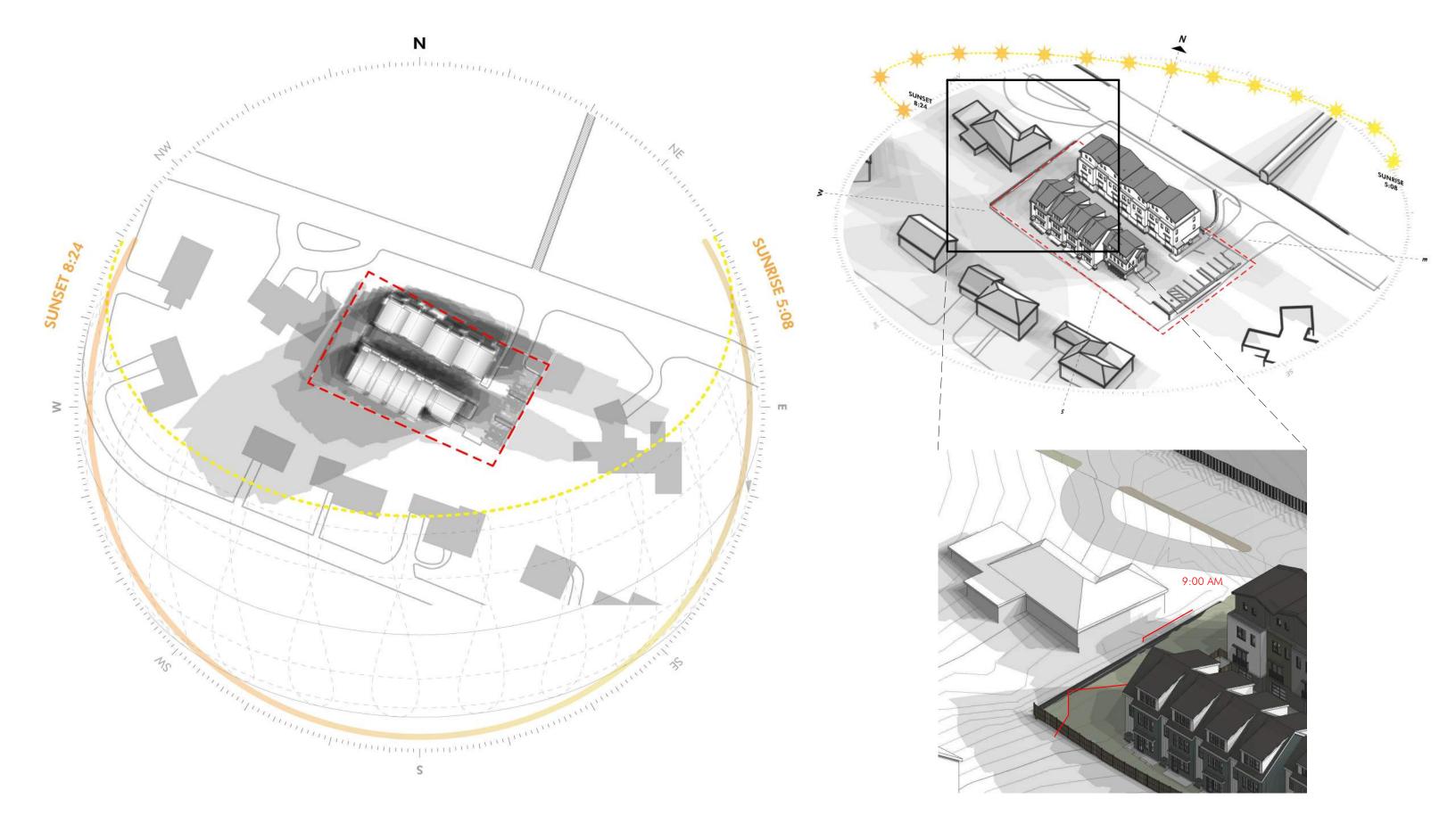
RECONFIGURED ELEMENTS OF SITE PLAN

UPDATED SHADOW STUDIES



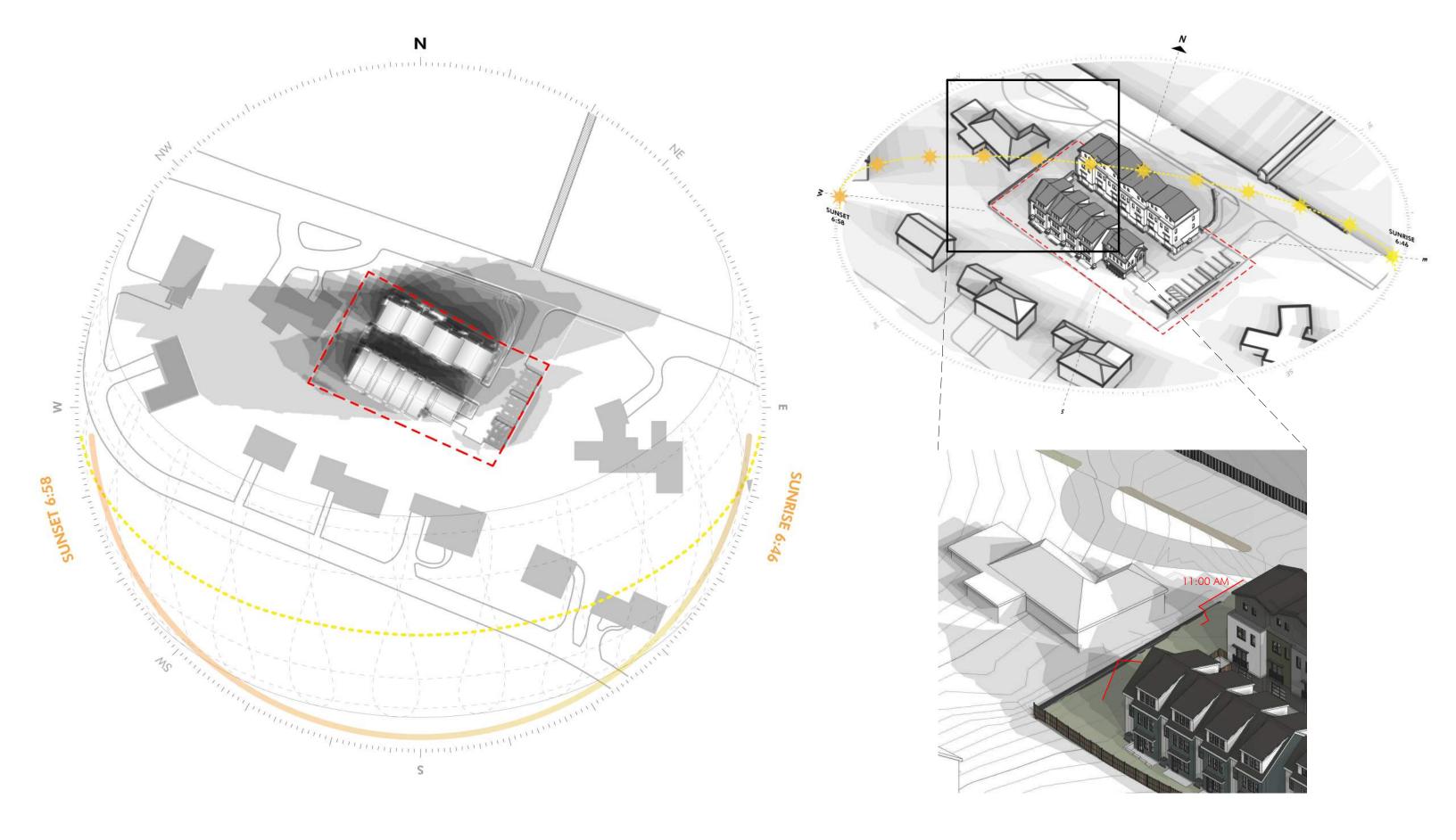






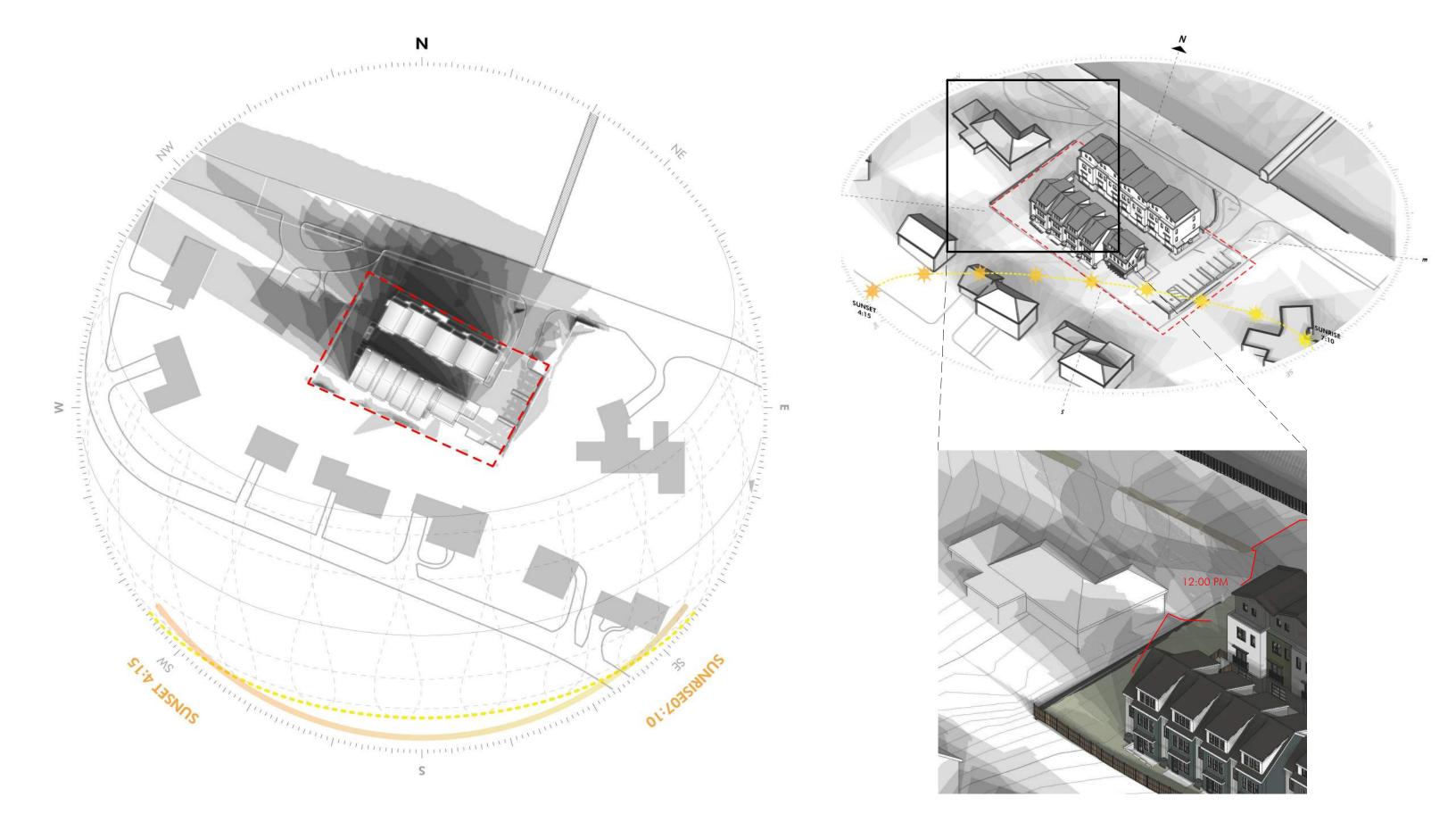
















91 BEATRICE CIRCLE

C'1. A	02.407
Site Area	23,496
T	0 / 51 5
Total Building GSF	24,515
FAR	1.04
Total Footprint GSF	7,235
Site Coverage	31%
Building Height (Four Story Townhouse)	43 FT
Building Height (Three Story Townhouse)	30 FT 6 IN
Total Parking Spaces	21
In-Unit Garage Space	12
Surface Parking Spaces	9
Parking Ratio	1.75

Building Type	Area (GSF)	Footprint (GSF)
Four Story Townhouse (Units 1-7)		3,740
Floor 1 (7 Garage Parking Spaces included)	3,740	
Floor 2	4,030	
Floor 3	4,030	
Floor 4	2,750	
Total Building (GSF)	14,550	
Three Story Townhouse (Units 8-12)		3,495
Floor 1 (5 Garage Parking Spaces included)	3,495	
Floor 2	3,520	
Floor 3	2,950	
Total Building (GSF)	9,965	
TOTAL	24,515	7,235

Total Residential Units		12	Avg. Area
3 Bedroom (Three-Story Townhouse)	5	(42%)	1,995
3 Bedroom (Four-Story Townhouse)	3	(25%)	2,085
4 Bedroom (Four-Story Townhouse)	4	(33%)	2,075







LANDSCAPE ARCHITECTURE





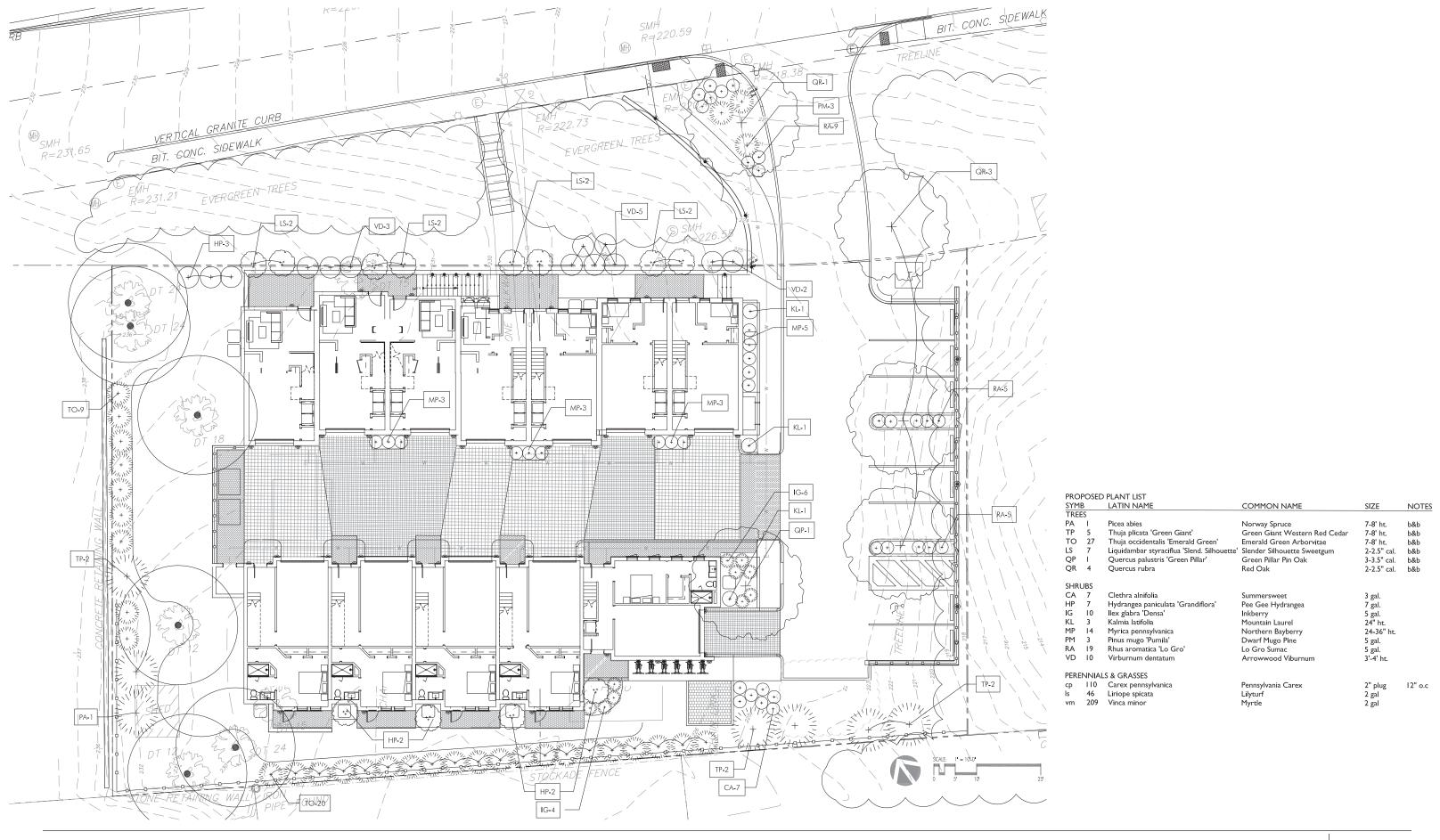


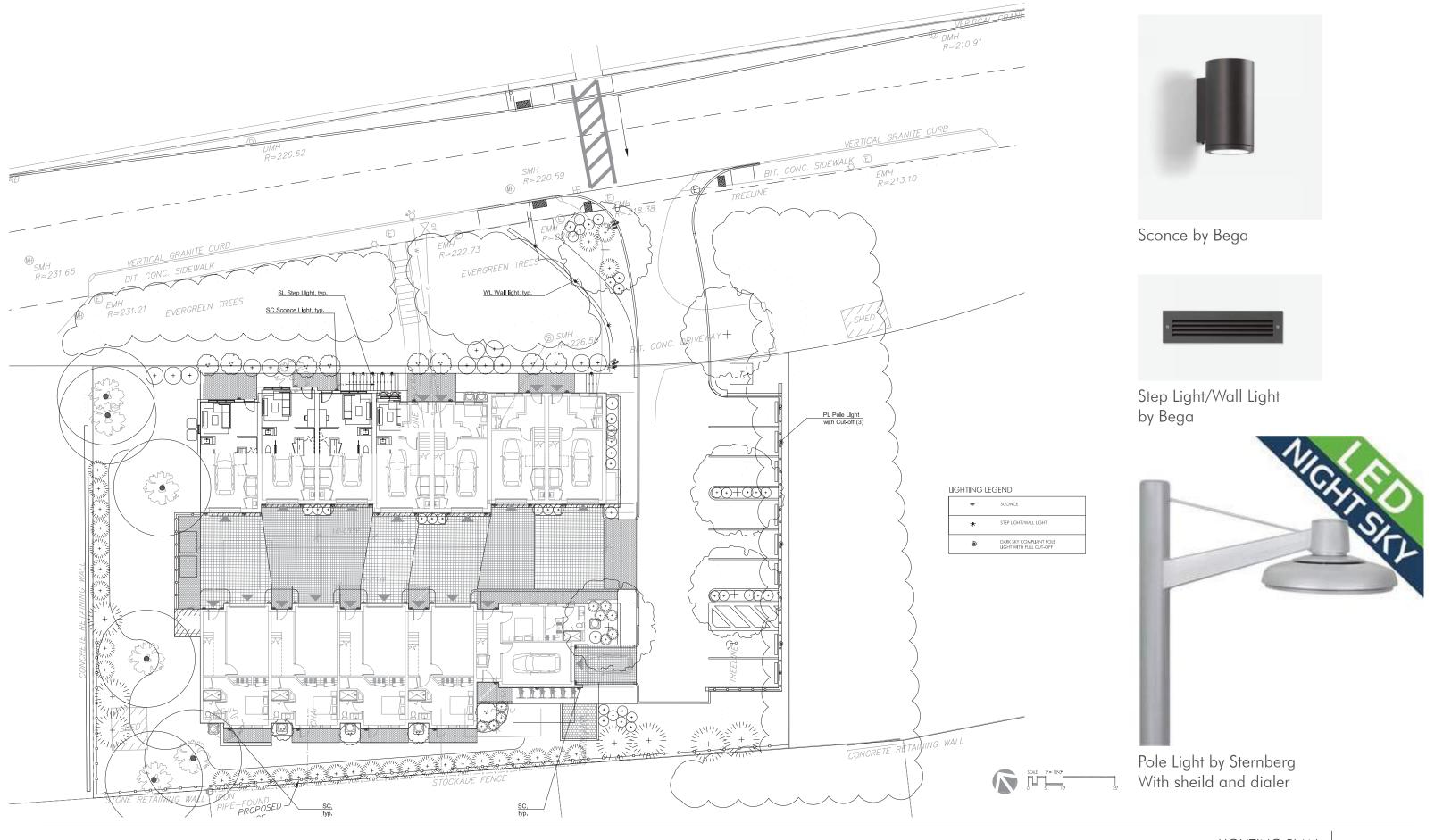


91 BEATRICE CIRCLE BELMONT, MA









CIVIL ENGINEERING







SOIL TEST PIT DATA: SOIL TEST PIT DATA: DATE: 12/5/2019 05/12/2021 TEST PIT 4 TEST PIT <u>6</u> TEST PIT <u>8</u> TEST PIT __1___ TEST PIT __2___ TEST PIT __3___ TEST PIT __5___ TEST PIT ___7___ TEST PIT 9 GRD. EL. <u>230.3</u> TEST BY: GRD. EL. <u>223.5</u> TEST BY: GRD. EL. <u>234.2</u> GRD. EL. <u>224.7</u> GRD. EL. <u>229.8</u> GRD. EL. <u>229.8</u> GRD. EL. <u>231.0</u> GRD. EL. <u>220.8</u> GRD. EL. <u>225.0</u> KAMERON CAMPBELL, SE #14227 o" GW. EL. NGWO o"_GW. EL. NGWO KAMERON CAMPBELL, SE #14227 O" GW. EL. NGWO GW. EL. NGWO o"_GW. EL. NGWO o" GW. EL. NGWO o" GW. EL. NGWO o" GW. EL. NGWO , GW. EL. <u>NGWO</u> FILL, SANDY LOAM, FILL, SANDY LOAM, FILL, SANDY LOAM, Ap, SANDY LOAM, Ap, SANDY LOAM, FILL, SANDY LOAM, Ap, SANDY LOAM, FILL, SANDY LOAM, Ap, SANDY LOAM, 10YR3/2 10YR3/2 10YR3/2 10YR3/2 10YR3/3 10YR3/2 10YR3/2 10YR3/2 10YR3/2 Massive, Very Granular, Very Granular, Very Granular, Very Massive, Very Granular, Very Granular, Very Massive, Very Granular, Very Friable Friable Friable Friable Friable Friable 10" | FILL, SANDY LOAM, 11" - FILL, SANDY LOAM, 12" Bw, SANDY LOAM, 10" FILL, SANDY LOAM, 12" Bw, SANDY LOAM, 10"- FILL, SAND 24" Apb, SANDY LOAM, 12" Bw, SANDY LOAM, 10YR3/4 10YR3/4 10YR4/6 2.5Y4/2 12" Bw, SANDY LOAM, 10YR4/6 2.5Y6/6 10YR3/2 10YR5/4 Massive, Very Massive, Friable Massive, Friable Massive, Friable Massive, Friable Massive, Friable Single Grained, Massive, Friable 10YR4/6 Friable Loose Massive, Friable 36"⊢ Apb, SANDY LOAM, 30"- Bw, SANDY LOAM, 48" Apb, SANDY LOAM, 41" Apb, SANDY LOAM, 37"— C₁, FINE LOAMY 42" C_1 , SANDY LOAM, 34" Apb, SANDY LOAM, 32" C_1 , SANDY LOAM, 10YR3/2 10YR3/2 SAND, 5Y5/2 10YR3/2 10YR3/2 7.5YR4/4 5Y5/2 Granular, Very Massive, Very Granular, Very Massive, Friable Massive, Friable Massive, Friable Massivé, Friable Massive, Very Friable Friable Some gravel Friable Gravelly(±30%) Gravelly(±30%) Cobbles(±10%) grittier than C₂ 54" Bw, SANDY LOAM, 42" Bw, SANDY LOAM, 35" C_d , SANDY LOAM, 37[™] Bw, SANDY LOAM, 50" Bw, SANDY LOAM, 10YR4/6 7.5YR4/4 10YR4/6 10YR4/6 *very gravelly 77" C_{2d} , FINE LOAMY 72" C_{2d} , SANDY LOAM, Massive, Friable Massivé, Friable Massive, Friable Massive, Firm Massive, Friable throughout entire SAND, 5Y5/2, Gravelly(±30%) Massive, Firm Massive, Firm Cobbles($\pm 10\%$), 69" c, sandy loam, 72" C, SANDY LOAM, Very gravelly(±40%) Very gravelly Soil friable once 5Y4/2 5Y4/2 Cobbles(±10%) removed from wall Massive, Friable Massive, Friable Soil friable once Gravelly(±30%) Gravelly(±30%) removed from wall Cobbles(±10%) Cobbles(±10%) 88" R, Ledge 110<u>" | R, Ledge</u> 79" | R, Ledge 60" R, Ledge *No groundwater or any signs of groundwater observed in any of the test pits performed. CONCORD TURNPIKE — EXISTING CONCRETE WALKWAY OVERPASS VERTICAL GRANITE CURB 8" PERF. AC C.M. DRAIN R=226.6 R=210.9 R=220.5 I_{MAIN}=213.91 APPROXIMATE 6" CS-L.P. 1967 R**≠**218.9 'SERVICE # 214.01 APPROXIMATE 6" CS-L.P. 1967 15" RC DRAIN SLOPE=8.2% (____ 15" RC DRAW SLOPE=7.7% ---R = 235.2EVERGREEN TREES EXISTING EVERGREEN TREES 3 BEATRICE CIRCLE SMH R=226.6 I=220.08 ASPHALT DRIVEWAY *LEDGE EL.=* 224.4 <u>LEGEND:</u> EXISTING: LOT AREA= EXISTING SINGLE N/F KRISTIN BOARDMAN CERT 204851 FAMILY DWELLING 23,496± S.F - LOCUS PROPERTY LINE FF=233.59 TREE LINE - SEWER MANHOLE (SMH) LEDGE EL.= DRAIN MANHOLE (DMH) - CATCH BASIN (CB) *GARAGE* PAUL LOWRY STONEWALL MARGARET LOWRY CERT 242900 - GAS VALVE PORCH WATER VALVE WATER SERVICE - HYDRANT - UTILITY POLE - NOW OR FORMERLY DRAIN PIPE - UNDERGROUND POWER TAINING WALL — – OVERHEAD WIRES

N/F DANIEL R. DEVINE

VALERIE A. DEVINE CERT 239008 N/F BEVERLY L. SOTIR

N/F SAMUEL R. ALEXANDER

CHRISTINE G. ALEXANDER CERT 255757

_____ — SEWER MAIN

- x - x - x - x - - CHAIN LINK FENCE - STOCKADE FENCE

LANDSCAPED AREA

- HAND HOLES FOR UTILITIES

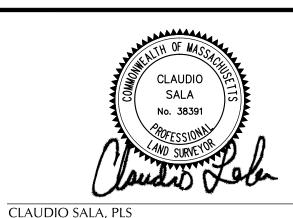
SPOT GRADE

- TEST PIT

LIGHT POLE

- FIRST FLOOR





GENERAL NOTES:

ENERAL NOT

1. LOCUS: ASSESSORS MAP 51 BLOCK LOT 36

RECORD OWNER: COMPREHENSIVE LAND HOLDINGS
DEED REFERENCE: CERTIFICATE #271959
PLAN REFERENCE: LC PLAN 2367-12

2. ELEVATIONS REFER TO NAVD-88.

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4. THE LOT SHOWN DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE AS DELINEATED ON FIRM 25017C-00416E, DATED JUNE 4, 2010.

5. PARCEL IS ZONED SR-A.

PROJECT TITLE & LOCATION:

PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

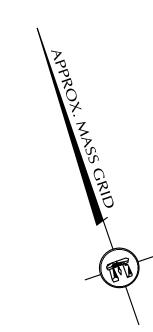
PLAN TITLE:

EXISTING CONDITIONS

PREPARED FOR:

91 BEATRICE CIRCLE LLC c/o REGNANTE STERIO 401 EDGEWATER PL, SUITE 630 WAKEFIELD, MA 01880

DATE: NOVEMBER 4, 2020					
REVISED: APRIL 19, 2021					
REVISED: JUNE 1, 2021					
REVISED: JUNE 25, 2021					
REVISED: JULY 6, 2021					
JOB NUMBER: 19.085	SHEET	2	OF	11	



DEMOLITION & CONSTRUCTION NOTES:

PRIOR TO THE DEMOLITION ON SITE.

THE CONTRACTOR SHALL PLACE A 6' HIGH TEMPORARY SAFETY FENCE AND EROSION CONTROL MEASURES AS SHOWN ON THE PLAN AROUND THE SITE

A WATER TRUCK SHALL BE ON-SITE DURING THE DEMOLITION AND SITE WORK PROCESS TO MINIMIZE FUGITIVE DUST.

A CRUSHED STONE APRON SHALL BE CONSTRUCTED AS SHOWN TO MINIMIZE TRUCK TIRES LEAVING SEDIMENT ON THE ROADWAYS.

A COVERED DUMPSTER SHALL BE KEPT ONSITE TO ELIMINATE ANY WIND BLOWN DEBRIS FROM BECOMING LITTER IN THE NEIGHBORHOOD.

ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.

CONTRACTOR TO GRADE THE SITE AND USE TEMPORARY EROSION CONTROL BARRIERS PARALLEL WITH SITE CONTOURS TO MINIMIZE CHANNELLIZING SURFACE RUNOFF. THE SITE AND THE CRUSHED STONE APRON SHALL BE GRADED TO PREVENT ANY CHANNELIZED RUNOFF FROM FLOWING OFF SITE.

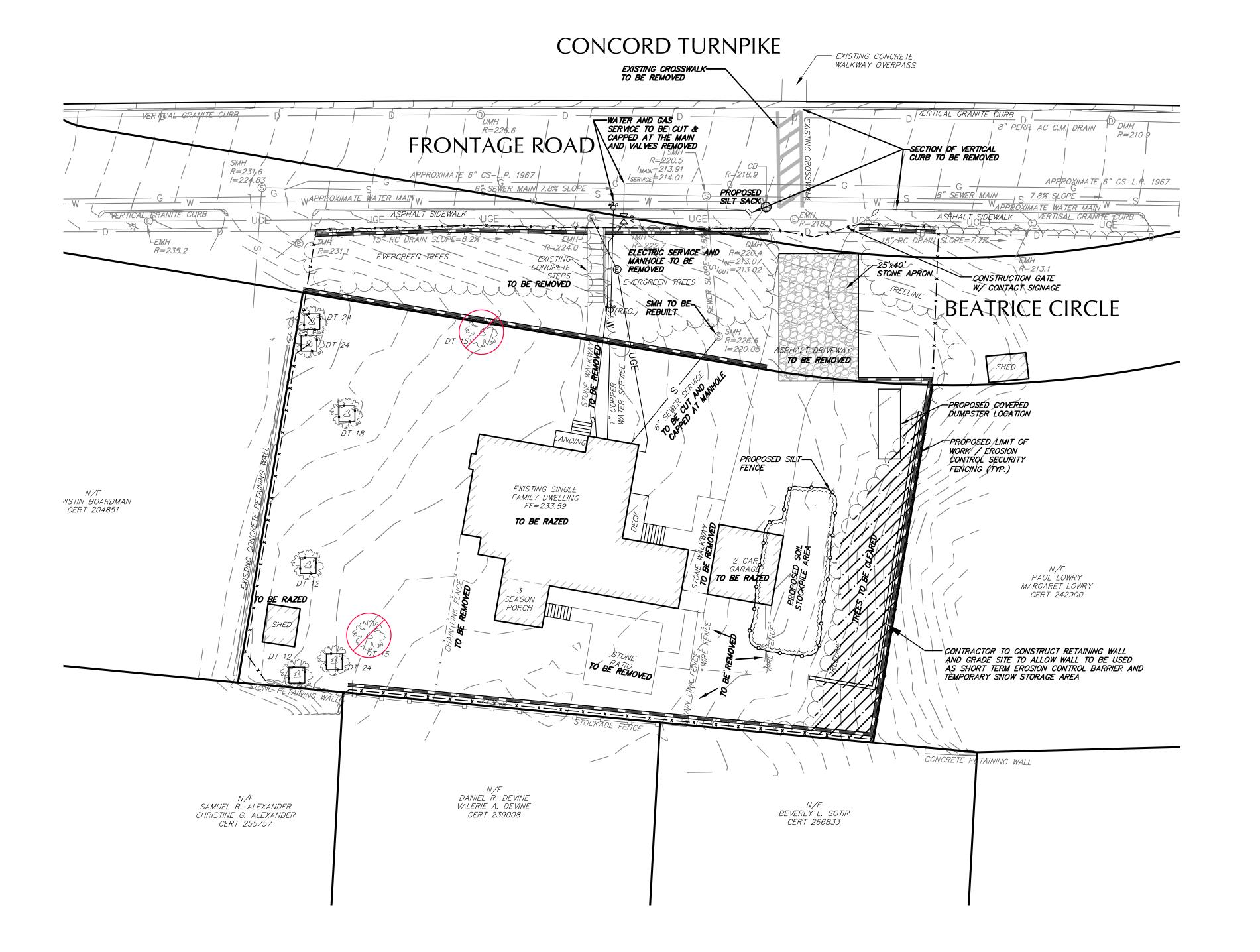
CONTRACTOR IS RESPONSIBLE TO CONTROL THE ON-SITE STORMWATER USING BEST MANAGEMENT PRACTICES TO PREVENT EROSION AND FLOODING

CONTRACTOR TO MANAGE ON—SITE SNOW BY STOCKPILING SNOW ALLOWING IT TO MELT IN A CONTROLLED MANNER WITHOUT IMPACTS TO THE ABUTTERS. IF THE SNOW VOLUME EXCEEDS THE STOCKPILE ALLOWANCE VOLUME THE CONTRACTOR SHALL REMOVE IT FROM THE SITE AND DISPOSE OF IT IN A LEGAL MANNER.

CONSTRUCTION HOURS SHALL BE FROM 7:00AM TO 5:00PM MONDAY THROUGH FRIDAY, 8:00AM TO 4:00PM ON SATURDAYS. ALL CONSTRUCTION AND DELIVERIES ARE PROHIBITED SUNDAYS UNLESS APPROVED BY THE BUILDING COMMISSIONER.

I FGFND:

	<u>LEGEND:</u>	
EXISTING:		PROPOSED:
	- LOCUS PROPERTY LINE	
. ~ .	– TREE LINE	
<u>\$</u>	- SEWER MANHOLE (SMH)	S
(D)	- DRAIN MANHOLE (DMH)	©
\blacksquare	- CATCH BASIN (CB)	\blacksquare
	- STONEWALL	av.
GV	- GAS VALVE	gv ⊠
wv 	- WATER VALVE	wv ⊠
*50	- WATER SERVICE	*50
	- HYDRANT	\approx
0	- UTILITY POLE	€.
N/F	- NOW OR FORMERLY	
D	– DRAIN PIPE	
W	- WATER MAIN	w
G	- GAS SERVICE	
UGE	- UNDERGROUND POWER	UGE
OHW	- OVERHEAD WIRES	ОНW
S	- SEWER MAIN	s
LSA	- LANDSCAPED AREA	LSA
- <i>25</i>	- GRADE	25
x25.7	- SPOT GRADE	x25.7
— x —— x —— x —	- CHAIN LINK FENCE	
-00	- CHAIN LINK FENCE	
	- TEST PIT	
	- HAND HOLES FOR UTILITIES	
\$	- LIGHT POLE	ф
FF	– FIRST FLOOR	FF
TOF	- TOP OF FOUNDATION	TOF
GF	- GARAGE FLOOR	GF
	- SECOND FLOOR	SF
	- TEMPORARY FENCING	_ x x x x
	- MULCH WATTLE	
	- SILT FENCE	
	- TREE PROTECTION	







JAMES W BURKE, P.E.

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PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

PLAN TITLE:

DEMOLITION

PREPARED FOR:

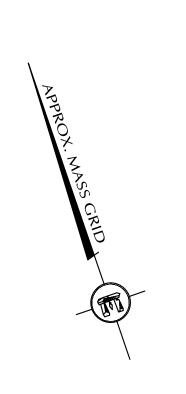
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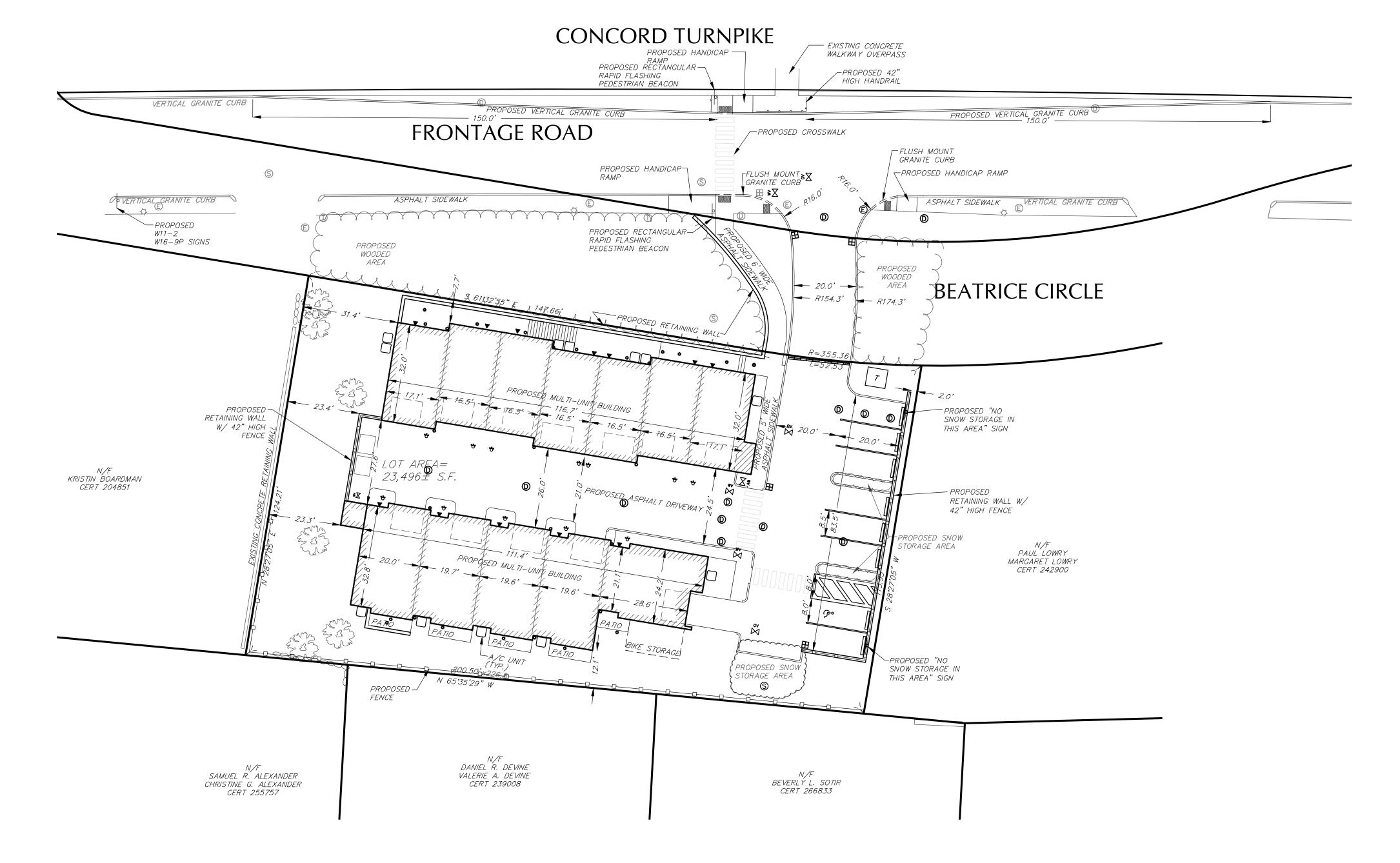
20 10 0 20 40 SCALE: 1"= 20'



ZONING DISTRICT: SR-A			
DIMENSIONAL REQUIREMENTS		<u>EXISTING</u>	<u>PROPOSEI</u>
MINIMUM LOT AREA (SQ.FT.)	25,000	23,496	23,496
MINIMUM FRONTAGE (FT.)	125	200	200
MAX. BUILDING HEIGHT (FT.)	36		
MIN. SETBACKS (FT.)			
FRONT	30	29.7'	8.2'
SIDE	15	38.4'	23.3'
REAR	40	26.0'	12.1'
MAXIMUM LOT COVERAGE	20%	14.5%	29.9%
MINIMUM OPEN SPACE	50%	81.4%	38.8%

LEGEND:

	LLGLIND.	
EXISTING:		PROPOSED:
	- LOCUS PROPERTY LINE	
. ~ .	– TREE LINE	
S	- SEWER MANHOLE (SMH)	S
(- DRAIN MANHOLE (DMH)	©
Ħ	- CATCH BASIN (CB)	\blacksquare
	- STONEWALL	_
GV	– GAS VALVE	GV
₩V	- WATER VALVE	₩V
*5	– WATER SERVICE	***
	- HYDRANT	X
©.	– UTILITY POLE	D
N/F	- NOW OR FORMERLY	
D	– DRAIN PIPE	D
W	- WATER MAIN	w
	– GAS SERVICE	
UGE	- UNDERGROUND POWER	UGE
———ОНW———	- OVERHEAD WIRES	онw
s	- SEWER MAIN	s
LSA	- LANDSCAPED AREA	LSA
	- GRADE	25
x25.7	— SPOT GRADE	x25.7
_ x x x x	- CHAIN LINK FENCE	
	– CHAIN LINK FENCE	
	- TEST PIT	
	- HAND HOLES FOR UTILITIES	
\$	– LIGHT POLE	\$
FF	- FIRST FLOOR	FF
TOF	- TOP OF FOUNDATION	TOF
GF	- GARAGE FLOOR	GF
	- SECOND FLOOR	SF







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6. FOR PROPOSED BUILDING DIMENSIONS SEE ARCHITECTS PLAN BY EMBARC.

PROJECT TITLE & LOCATION:

PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

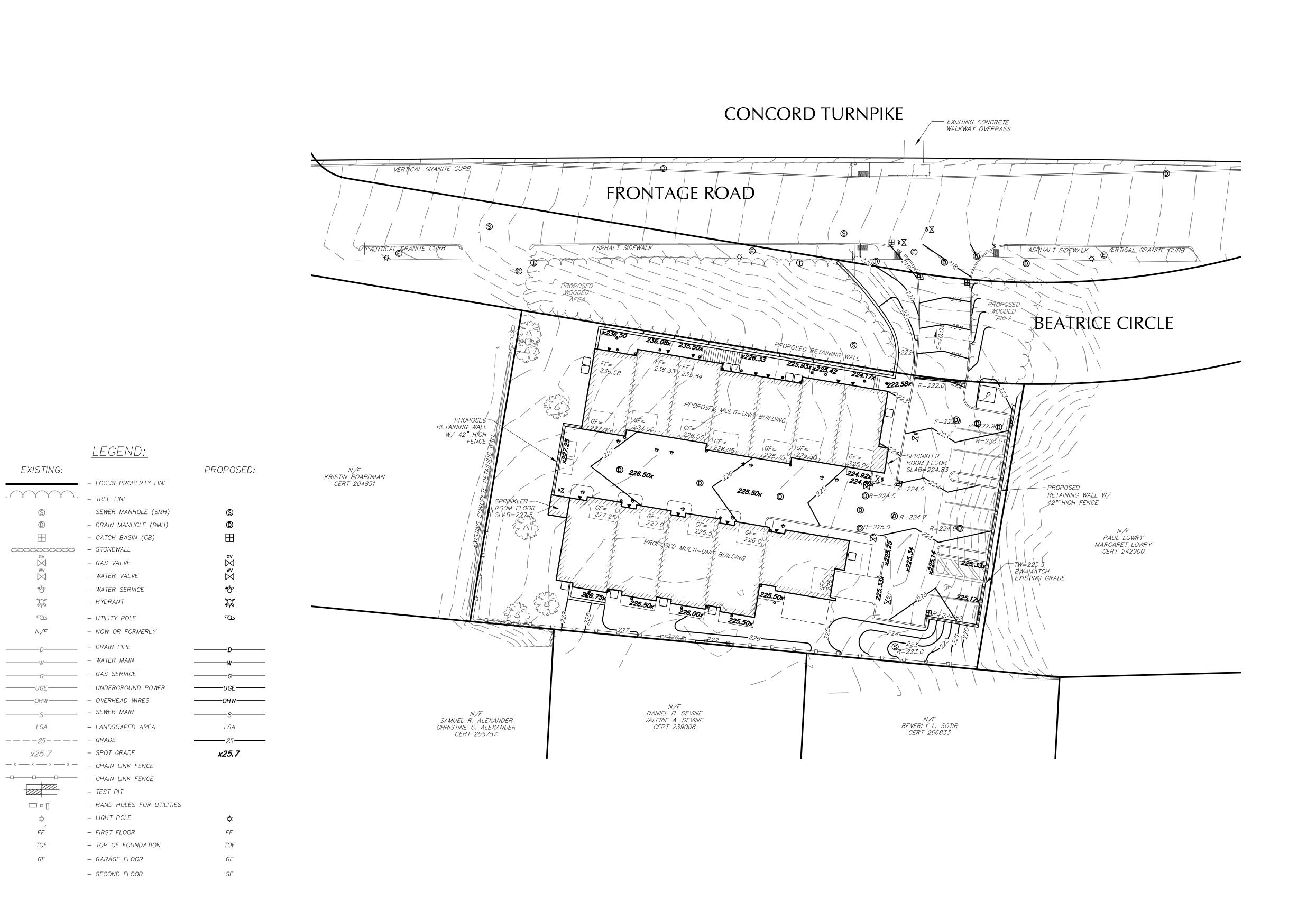
PLAN TITL

PROPOSED LAYOUT

PREPARED FOR:

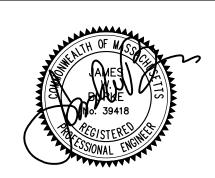
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JOB NUMBER: 19.085	SHEET 4 OF	11
20 10 0	20	40
SCALE: 1"= 20'		



EXISTING:





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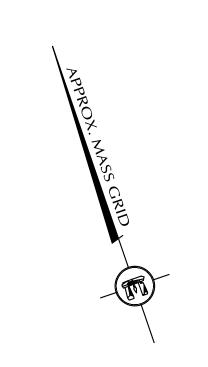
PLAN TITLE:

PROPOSED GRADING

PREPARED FOR:

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20 10 0	20	40
SCALE: 1"= 20'		



LEGEND:

LOCUS PROPERTY LINE

SEWER MANHOLE (SMH)DRAIN MANHOLE (DMH)CATCH BASIN (CB)

- GAS VALVE

WATER VALVE

UTILITY POLE

- DRAIN PIPE

- SEWER MAIN

LIGHT POLE

- FIRST FLOOR

GARAGE FLOOR

SECOND FLOOR

SEWER INVERT

DRAIN INVERT

TOP OF FOUNDATION

LANDSCAPED AREA

HAND HOLES FOR UTILITIES

NOW OR FORMERLY

HYDRANT

- WATER SERVICE

EXISTING:

- STONEWALL

______G____ - GAS SERVICE

LSA

-----UGE------ - UNDERGROUND POWER

x25.7 — SPOT GRADE

- x - x - x - x - - CHAIN LINK FENCE

- CHAIN LINK FENCE

----OHW----- - OVERHEAD WIRES

PROPOSED:

ф

LSA

x25.7

ф

I=220.0(S)

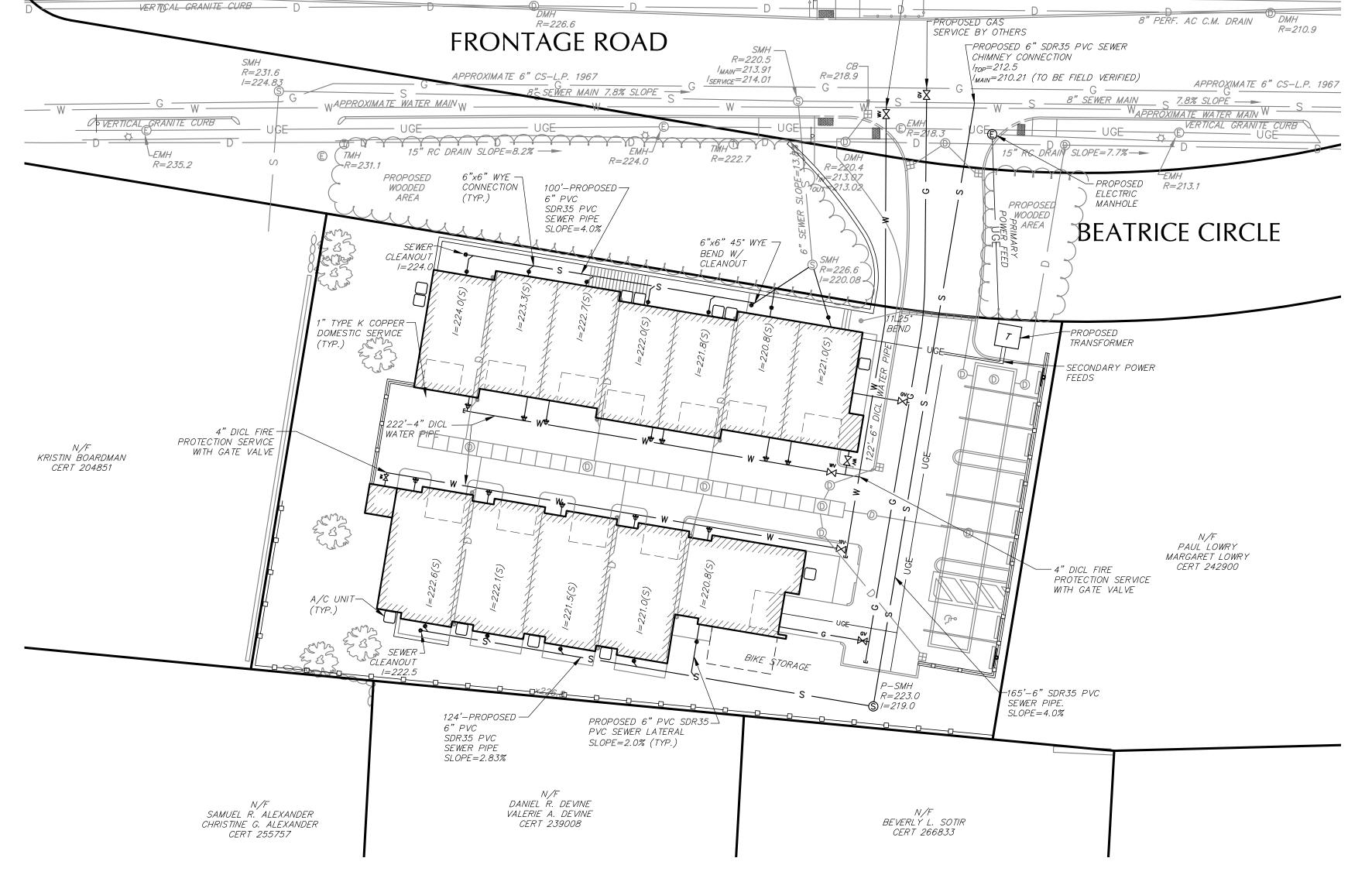
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CONCORD TURNPIKE

- PROPOSED 6" DICL WATER SERVICE

CONNECTION WITH TAPPING SLEEVE AND GATE VALVE AT THE MAIN AND

ROADWAY BOX BROUGHT TO GRADE



DRAINAGE NOTES:

1. ALL WATER SERVICES LESS THAN OR EQUAL TO 2" IN SIZE SHALL BE CONSTRUCTED OF TYPE K COPPER PIPING. ALL WATER SERVICES GREATER THAN 2" IN SIZE SHALL BE CONSTRUCTED OF CONCRETE LINED DUCTILE IRON PIPE.

2. ALL SEWER PIPES SHOULD BE CONSTRUCTED OF 6" SDR35 PVC AND HAVE A MINIMUM SLOPE OF 2.0% AND A MAXIMUM SLOPE OF 8.0%.

3. A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN ALL SEWER AND WATER CROSSINGS. IF 18" OF VERTICAL SEPARATION CANNOT BE OBTAINED THEN THE SEWER LINE SHALL BE ENCASED IN 6" OF CONCRETE FOR A MINIMUM OF 10' ON EITHER SIDE OF THE CROSSING.

- 4. ALL WATER SERVICES SHALL HAVE A MINIMUM COVER OF 4'-6".
- 5. ALL SEWER PIPES SHALL HAVE A MINIMUM COVER OF 4'-0".
- 6. ALL DRAIN PIPES SHALL HAVE A MINIMUM DEPTH OF 2'-0"

7. ALL UTILITIES SHALL BE AS—BUILT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR PRIOR TO BEING BACKFILLED.

8. A BENTONITE DAM SHALL BE PLACED EVERY 20' WITHIN THE EXCAVATION OF THE WATER SERVICES ALONG THE INFILTRATION SYSTEM TO MITIGATE THE FLOW OF GROUNDWATER THROUGH THE UTILITIY TRENCH. (SEE DETAIL PROVIDED)

ANTICIPATED SEWER FLOW:

(4) 4-BEDROOM UNITS (8) 3-BEDROOM UNITS

TOTAL= 40 BEDROOMS

110 GPD/BEDROOM X 40 BEDROOMS = 4,400 GPD



617-405-5100(o) 617-405-5101(f) www.decelle-burke-sala.com

Quincy, MA 02169



JAMES W BURKE, P.E.

GENERAL NOTES:

LOCUS: ASSESSORS MAP 51 BLOCK LOT 36

RECORD OWNER: COMPREHENSIVE LAND HOLDINGS
DEED REFERENCE: CERTIFICATE #271959

PLAN REFERENCE: LC PLAN 2367-12

2. ELEVATIONS REFER TO NAVD-88.

3. EXISTING UTILITIES WHERE SHOWN IN THE DRAWINGS ARE FROM SURFACE OBSERVATION AND RECORD INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY LOCATING AND COORDINATING THE PROPOSED CONSTRUCTION ACTIVITY WITH DIG—SAFE AND THE APPLICABLE UTILITY COMPANIES AND MAINTAINING THE EXISTING UTILITY SYSTEM IN SERVICE.

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4. THE LOT SHOWN DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE AS DELINEATED ON FIRM 25017C-00416E, DATED JUNE 4, 2010.

. PARCEL IS ZONED SR-A.

PROJECT TITLE & LOCATION:

PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

PLAN TITLE:

PROPOSED UTILITIES

PREPARED FOR:

91 BEATRICE CIRCLE LLC c/o REGNANTE STERIO 401 EDGEWATER PL, SUITE 630 WAKEFIELD, MA 01880

DATE: NOVEMBER 4, 2020
REVISED: APRIL 19, 2021
REVISED: JUNE 1, 2021

REVISED: JUNE 25, 2021

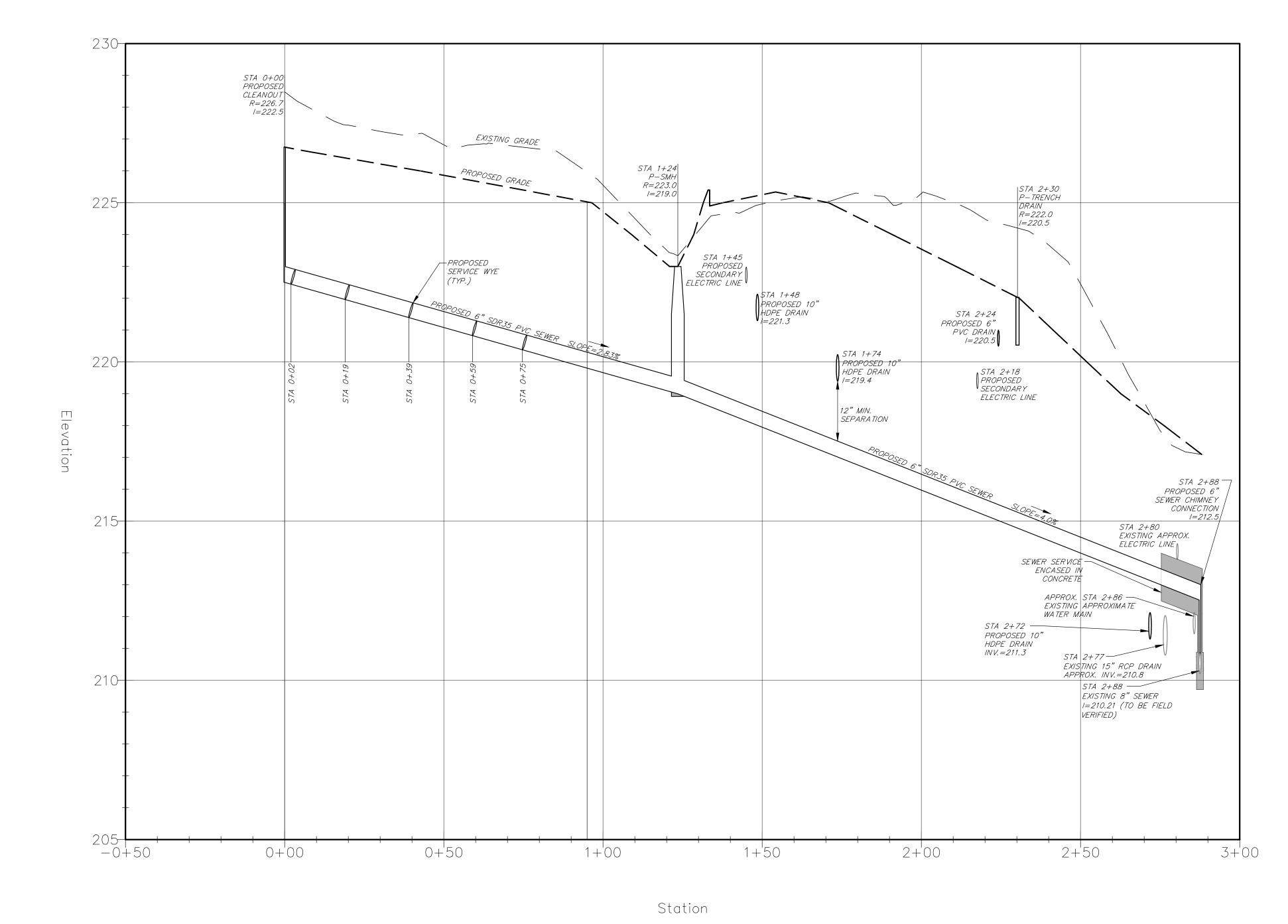
REVISED: JULY 6, 2021

JOB NUMBER: 19.085 SHEET 6 OF 11

20 10 0 20 40

SCALE: 1"= 20'

Proposed Sewer Alignment Profile



CATCH BASIN (CB) - STONEWALL - GAS VALVE WATER VALVE - WATER SERVICE - HYDRANT b UTILITY POLE - NOW OR FORMERLY ________ — DRAIN PIPE ______G____ - GAS SERVICE -----UGE----- - UNDERGROUND POWER ----OHW----- - OVERHEAD WIRES _____S____ - SEWER MAIN LSA — LANDSCAPED AREA LSA x25.7 — SPOT GRADE x25.7 - x - x - x - x - - CHAIN LINK FENCE - CHAIN LINK FENCE - TEST PIT HAND HOLES FOR UTILITIES - LIGHT POLE \Diamond FIRST FLOOR

TOP OF FOUNDATION

- GARAGE FLOOR

SECOND FLOOR

- SEWER INVERT

DRAIN INVERT

LEGEND:

- SEWER MANHOLE (SMH)

DRAIN MANHOLE (DMH)

- LOCUS PROPERTY LINE

PROPOSED:

SF

I=220.0(S)

I=220.0(D)

EXISTING:

HORIZONTAL SCALE: 1"= 20' VERTICAL SCALE: 1"= 2'





JAMES W BURKE, P.E.

GENERAL NOTES:

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 PLAN REFERENCE: LC PLAN 2367-12
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5. PARCEL IS ZONED SR-A.

PROJECT TITLE & LOCATION:

PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

PLAN TITLE:

PROPOSED SEWER PROFILE

PREPARED FOR:

91 BEATRICE CIRCLE LLC c/o REGNANTE STERIO 401 EDGEWATER PL, SUITE 630 WAKEFIELD, MA 01880

DATE: NOVEMBER 4, 2020 REVISED: APRIL 19, 2021 REVISED: JUNE 1, 2021

REVISED: JUNE 25, 2021
REVISED: JULY 6, 2021

JOB NUMBER: 19.085 SHEET 7 OF 11

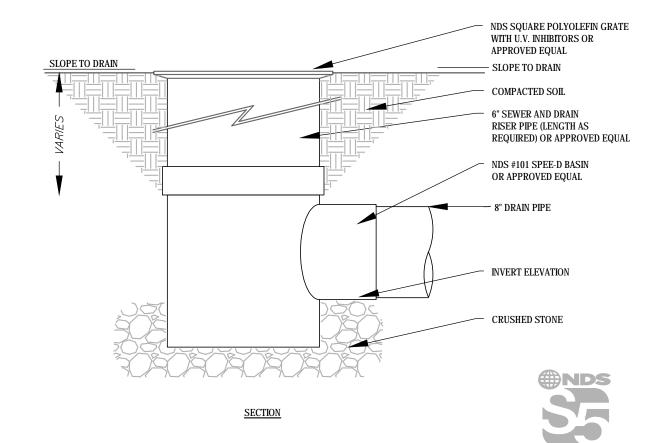
20 10 0 20 40

SCALE: 1"= 20'



NDS, INC. 851 NORTH HARVARD AVE. LINDSAY, CA 93247 TOLL FREE: 1-800-726-1994 PHONE: (559) 562-9888 FAX: (559) 562-4488

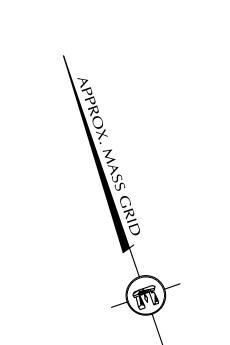
www.ndspro.com



1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

- 2. DO NOT SCALE DRAWING. 3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
- 4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

PROPOSED AREA DRAIN ROUND SPEE-D BASINS SQUARE GRATE WITH SPEE-D BASIN (NTS)



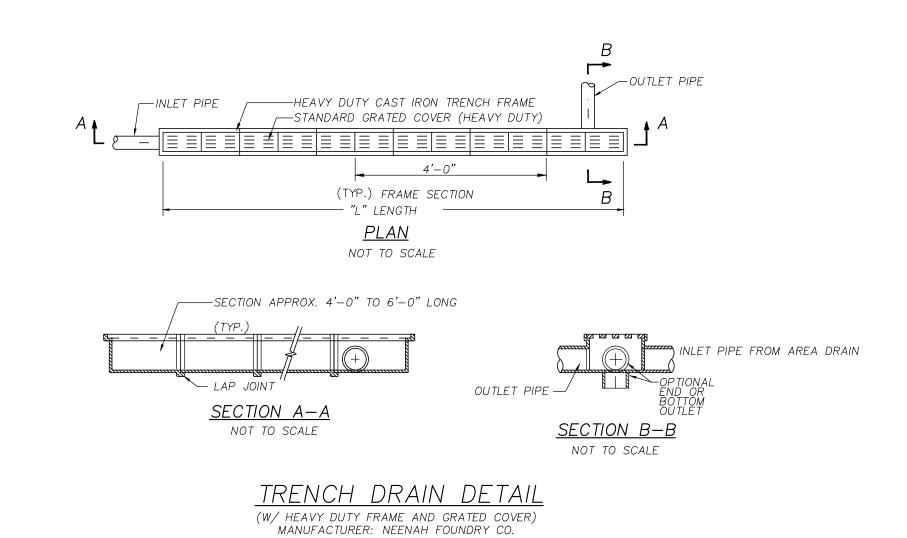
	<u>LEGEND:</u>	
EXISTING:		PROPOSED:
	- LOCUS PROPERTY LINE	
. ~ .	– TREE LINE	
S	- SEWER MANHOLE (SMH)	S
0	- DRAIN MANHOLE (DMH)	©
\boxplus	- CATCH BASIN (CB)	Ħ
	- STONEWALL	_
G∨	- GAS VALVE	gv ⊠
wv 	- WATER VALVE	₩V
1 \$	- WATER SERVICE	* 5°
**	- HYDRANT	\Rightarrow
O	– UTILITY POLE	\mathcal{O}
N/F	- NOW OR FORMERLY	
D	– DRAIN PIPE	D
W	- WATER MAIN	w
	- GAS SERVICE	G
UGE	- UNDERGROUND POWER	UGE
OHW	- OVERHEAD WIRES	———ОНW———
s	- SEWER MAIN	s
LSA	- LANDSCAPED AREA	LSA
	- GRADE	25
x25.7	— SPOT GRADE	x25.7
— x — x — x — x —	– CHAIN LINK FENCE	
- 	– CHAIN LINK FENCE	
	- TEST PIT	
	- HAND HOLES FOR UTILITIES	
\$	- LIGHT POLE	ф
FF	- FIRST FLOOR	FF
TOF	- TOP OF FOUNDATION	TOF
GF	- GARAGE FLOOR	GF
	- SECOND FLOOR	SF

- SEWER INVERT

DRAIN INVERT

I=220.0(S)

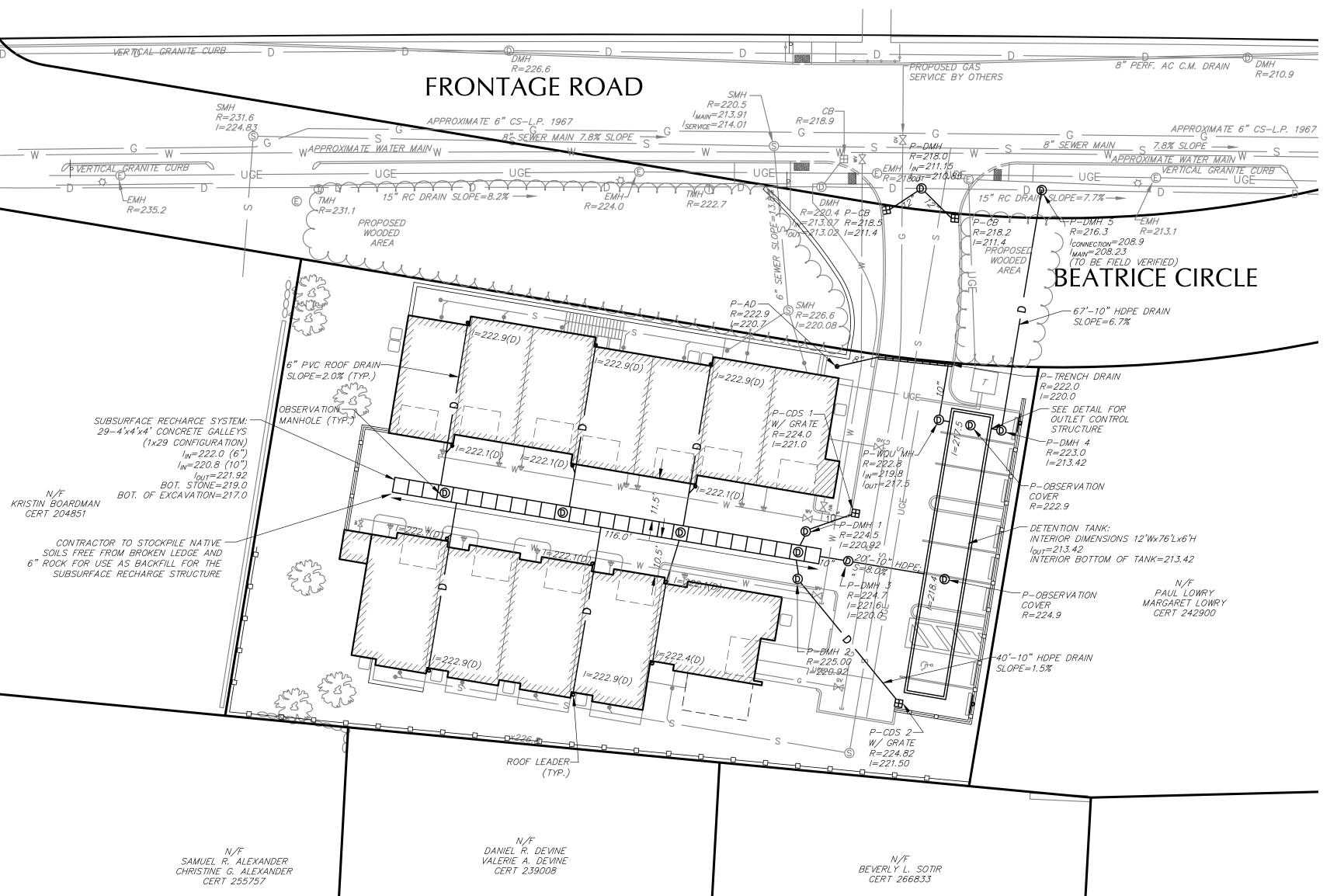
I=220.0(D)



OR APPROVED EQUAL

NOTE: PROVIDE BOTTOM OUTLET, LENGTH L = 20'-0"

CONCORD TURNPIKE





DeCelle-Burke-Sala

& Associates, Inc.

1266 Furnace Brook Parkway #401 Quincy, MA 02169 617-405-5100(o) 617-405-5101(f) www.decelle-burke-sala.com



JAMES W BURKE, P.E.

GENERAL NOTES:

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PLAN REFERENCE: LC PLAN 2367-12

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PARCEL IS ZONED SR-A.

DRAINAGE NOTES:

AND DETENTION SYSTEMS.

1. ALL DRAIN PIPES GREATER THAN OR EQUAL TO 10" IN SIZE SHALL BE CONSTRUCTED OF HDPE. ALL DRAIN PIPES LESS THAN 10" IN SIZE SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC.

2. ALL DRAIN PIPES SHOULD HAVE A MINIMUM SLOPE OF 1.0% AND A MAXIMUM SLOPE OF 8.0%.

3. A MINIMUM OF 12 INCHES OF VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN ALL UTILITY CROSSINGS. 4. THE EXCAVATION FOR THE PROPOSED INFILTRATION SYSTEM SHALL BE

INSTALLATION OF THE STRUCTURES. 5. THE BACKFILL MATERIAL FOR THE PROPOSED SUBSURFACE RECHARGE STRUCTURE SHALL BE INSPECTED AND SIGNED OFF BY THE DESIGN

INSPECTED AND SIGNED OFF BY THE DESIGN ENGINEER PRIOR TO THE

ENGINEER PRIOR TO BACKFILL. 6. SILT SACKS SHALL BE INSTALLED IN THE CATCH BASINS AND TRENCH

DRAIN AFTER THEY HAVE BEEN CONSTRUCTED TO PREVENT ANY CONSTRUCTION RELATED DEBRIS FROM ENTERING THE DRAINAGE SYSTEM. 7. ALL DRAINAGE STRUCTURES AND PIPES SHALL BE FLUSHED AND CLEANED PRIOR TO CONNECTING THEM TO THE PROPOSED INFILTRATION

8. THE DRAINAGE STRUCTURES AND PIPING SHALL BE AS-BUILT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR PRIOR TO BEING BACKFILLED.

PROJECT TITLE & LOCATION:

PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

PLAN TITLE:

PROPOSED UTILITIES

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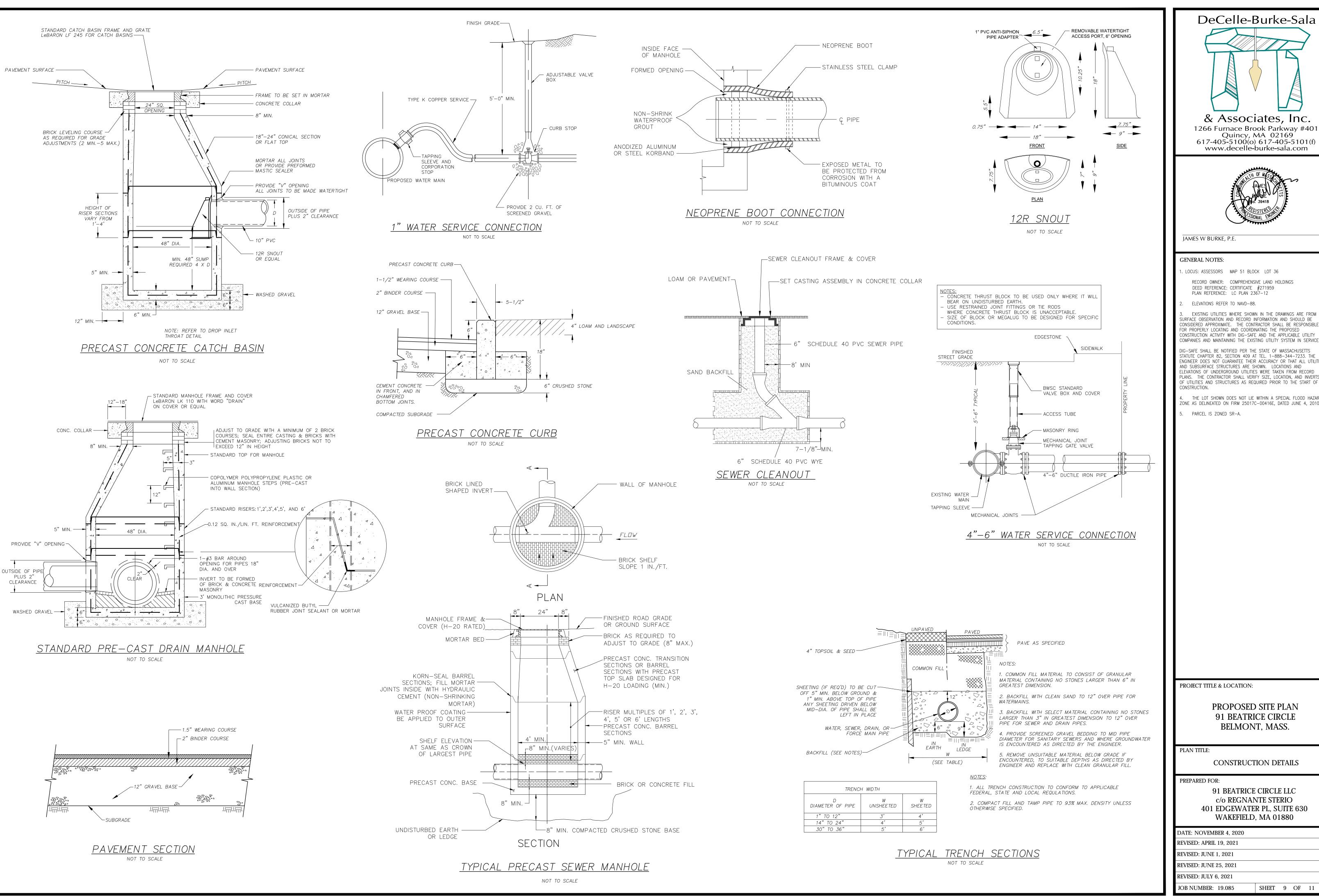
DATE: NOVEMBER 4, 2020

REVISED: APRIL 19, 2021

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REVISED: JUNE 1, 2021

REVISED: JULY 6, 2021 JOB NUMBER: 19.085 SHEET 8 OF 11







Quincy, MA 02169

JAMES W BURKE, P.E.

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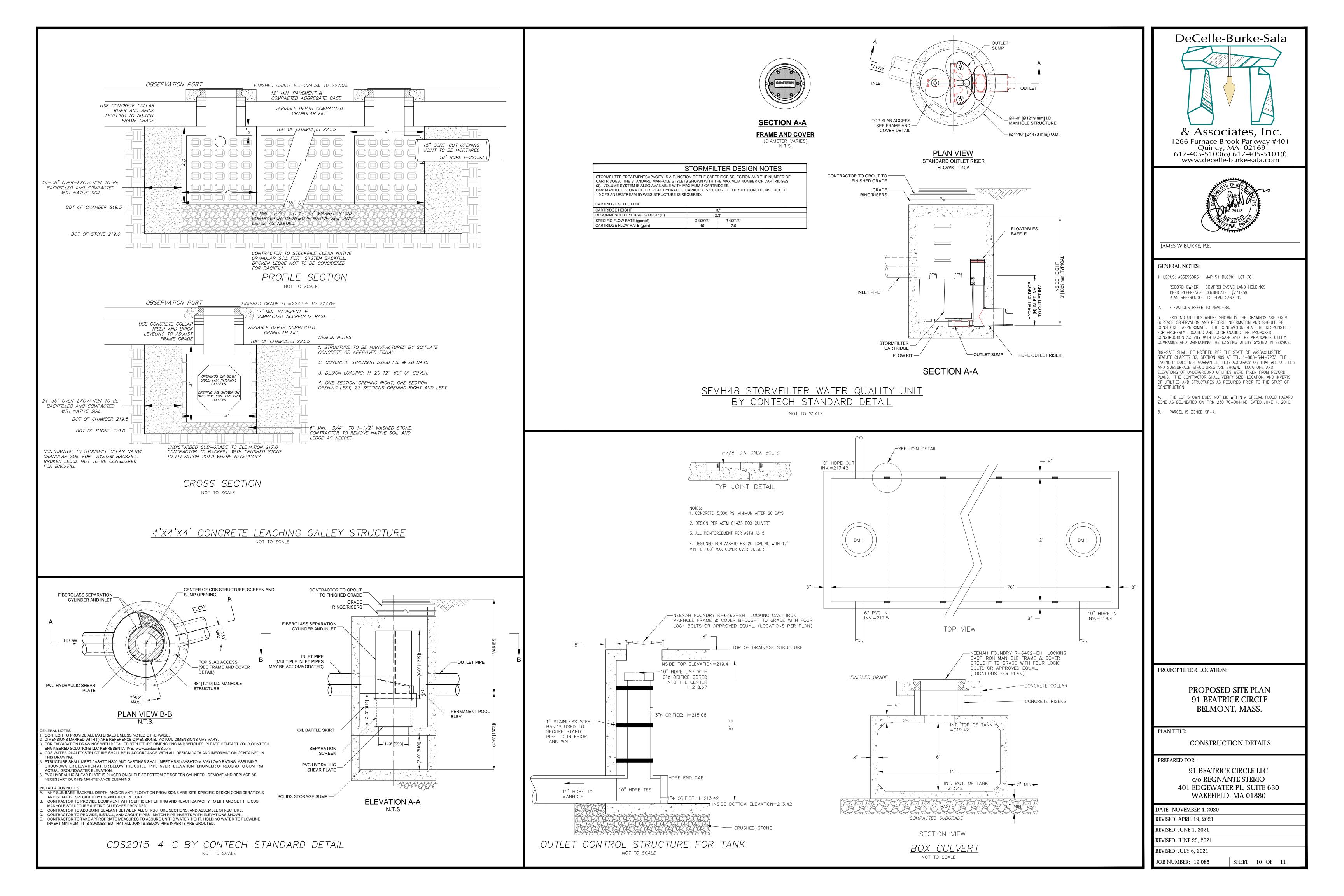
PROJECT TITLE & LOCATION:

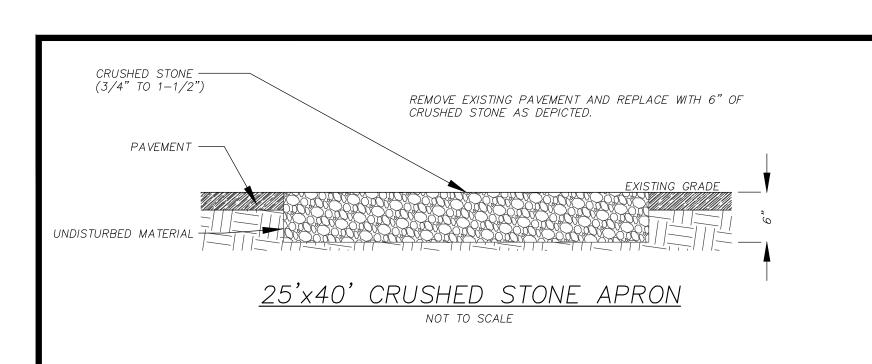
PROPOSED SITE PLAN 91 BEATRICE CIRCLE BELMONT, MASS.

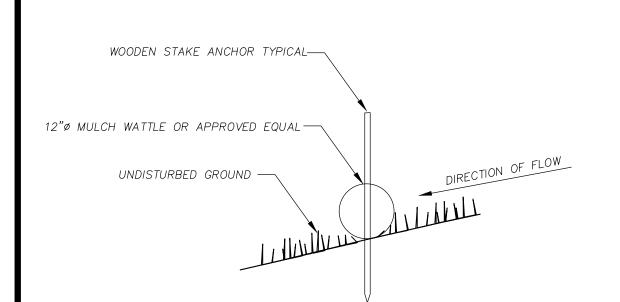
CONSTRUCTION DETAILS

91 BEATRICE CIRCLE LLC c/o REGNANTE STERIO 401 EDGEWATER PL, SUITE 630 WAKEFIELD, MA 01880

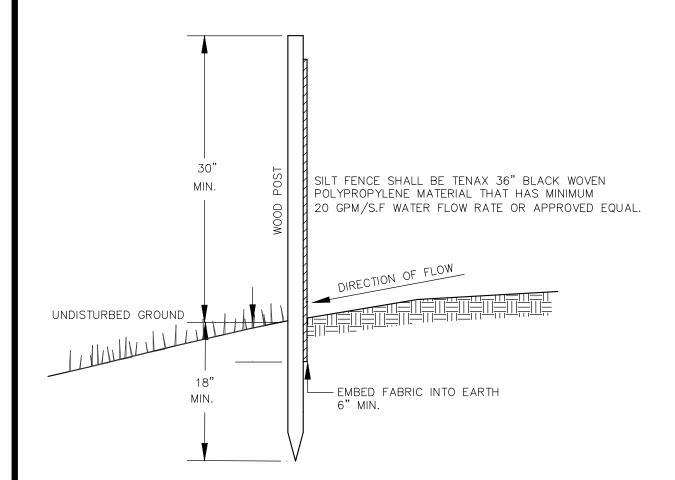
DATE: NOVEMBER 4, 2020 REVISED: APRIL 19, 2021 REVISED: JUNE 1, 2021 REVISED: JUNE 25, 2021 REVISED: JULY 6, 2021 SHEET 9 OF 11 JOB NUMBER: 19.085







MULCH WATTLE OR EQUIVALANT NOT TO SCALE



SPECIFICATIONS & INSTALLATION

FABRIC SHALL CONSIST OF WOVEN POLYPROPYLENE, 36" IN WIDTH AND FASTENED TO HARDWOOD POSTS WITH THREE (3), ONE INCH (1") WIDE CROWN STAPLES.

WOOD POSTS SHALL BE OF SOUND HARDWOOD, FORTY EIGHT INCHES (48") IN LENGTH WITH A MINIMUM CROSS SECTION OF 1.125 SQUARE INCHES. SOFTWOOD POSTS SHALL NOT BE USED.

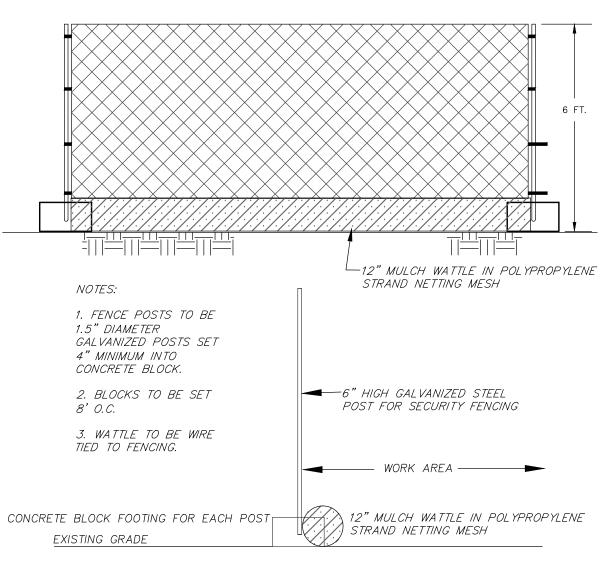
POSTS SHALL BE POSITIONED VERTICALLY AT A DISTANCE NOT TO EXCEED TEN FEET (10') ON CENTER FOR THE ENTIRE LENGTH OF THE SILT FENCE.

SOIL SHALL BE TRENCHED TO ALLOW SIX INCHES (6") OF THE SILT FENCE FABRIC TO FALL BELOW GRADE. POSTS SHALL BE DRIVEN A MINIMUM OF EIGHTEEN INCHES (18") BELOW NATURAL GRADE TO ALLOW SIX INCHES (6") OF MATERIAL TO EXTEND INTO THE TRENCH. TRENCH SHALL BE BACKFILLED TO ORIGINAL GRADE, LEAVING A MINIMUM OF SIX INCHES (6") OF FABRIC BELOW FINISH GRADE. IF THE SILT FENCE IS INSTALLED ON A SLOPE, THE POSTS SHALL BE POSITIONED ON THE DOWNWARD SIDE. IF THE SILT FENCE IS INSTALLED ON A LEVEL SITE, THE POSTS SHALL BE INSTALLED TO THE OUTSIDE OF THE WORK SITE.

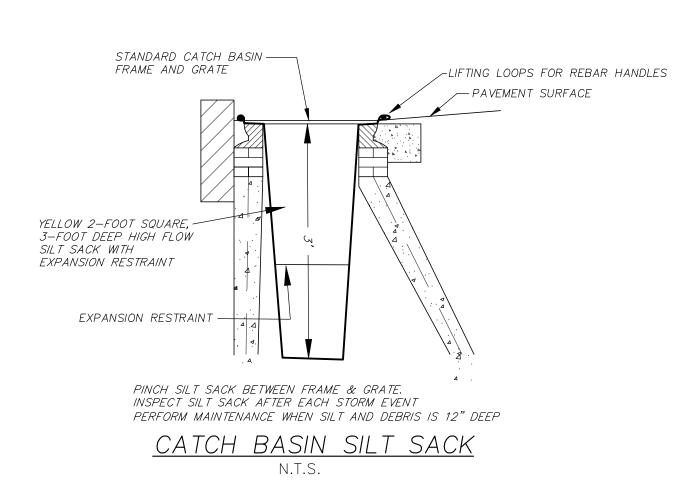
CONNECTION/JOINING OF SILT FENCES SHALL BE COMPLETED BY TIGHTLY OVERLAPPING THE ENDS OF THE ROLLS A MINIMUM OF TWELVE INCHES (12") OR BY OVERLAPPING THE END POSTS AND SECURING THE TWO POSTS TOGETHER TIGHTLY WITH PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE.

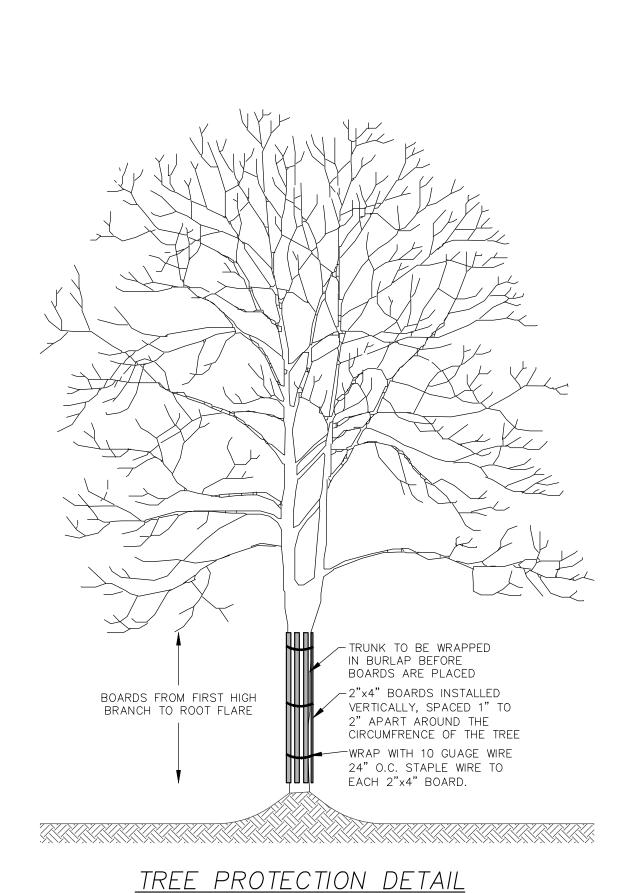
SILT FENCE DETAIL FOR

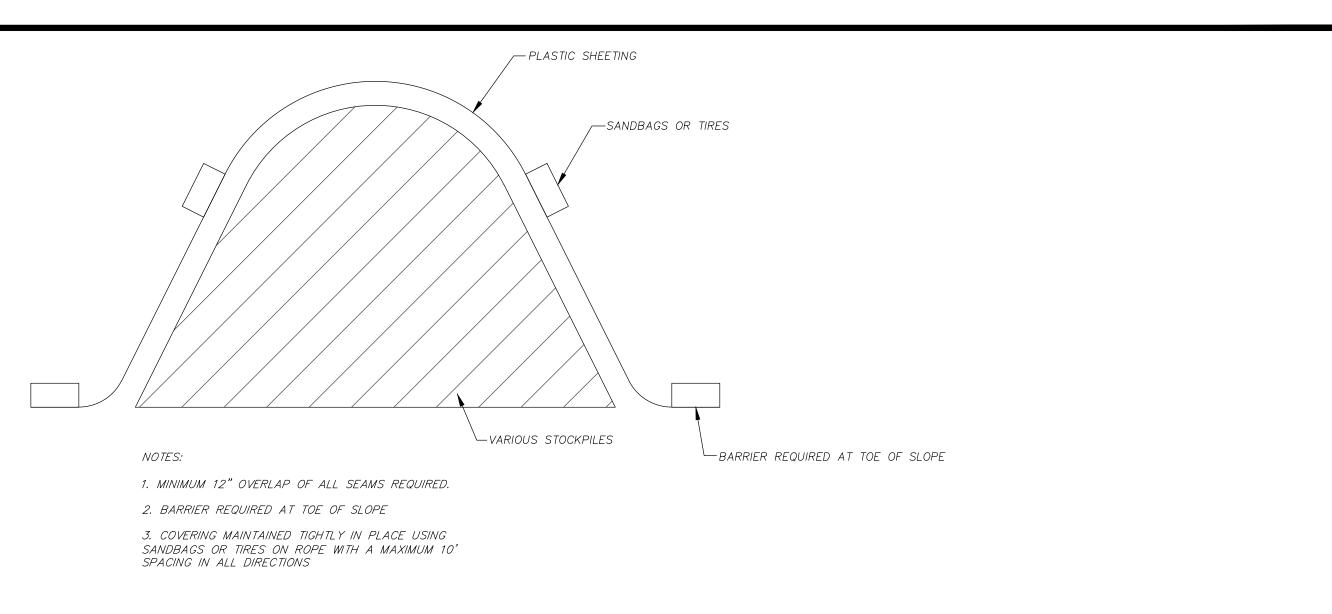
TEMPORARY SOIL STOCKPILE AREA



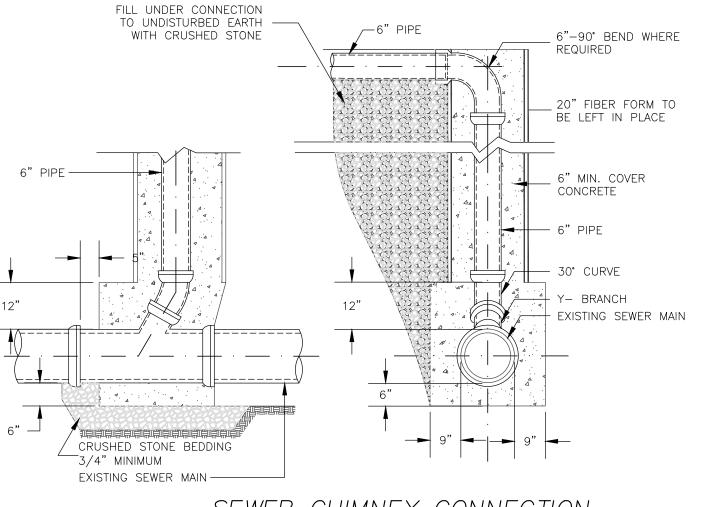
SECURITY FENCING W/ EROSION CONTROL



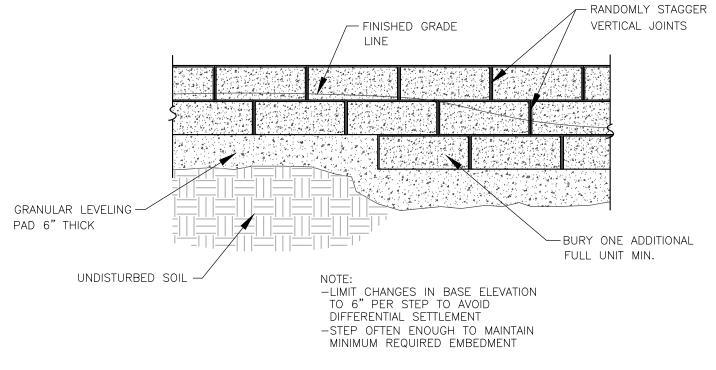




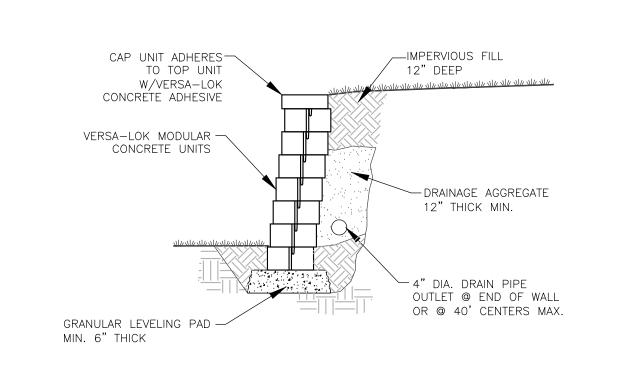
PLASTIC SHEETING OVER STOCKPILED MATERIALS N.T.S.



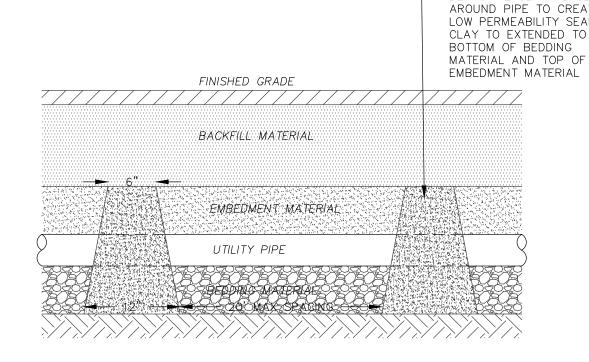
SEWER CHIMNEY CONNECTION



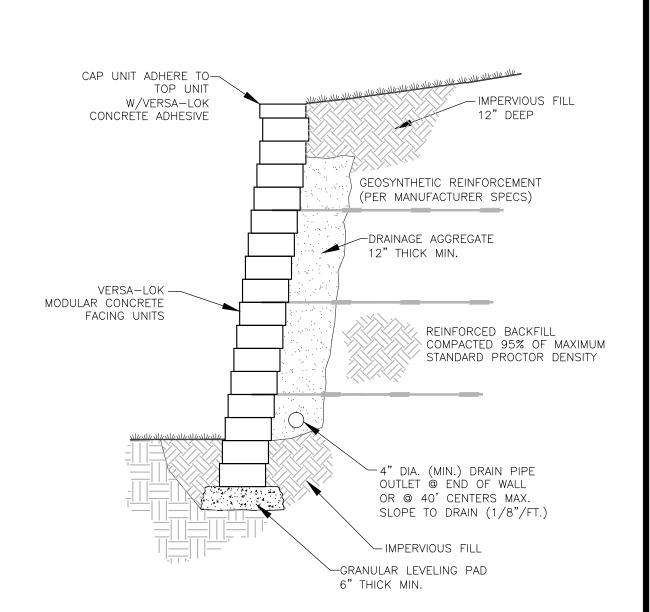
STEPPING BASE DETAIL NOT TO SCALE



TYPICAL SECTION—UNREINFORCED RETAINING WALL TYPICAL SECTION—REINFORCED RETAINING WALL NOT TO SCALE



LOW PERMEABILITY TRENCH PLUG N.T.S.



NOT TO SCALE





JAMES W BURKE, P.E.

GENERAL NOTES:

- BENTONITE CLAY PLACED

. LOCUS: ASSESSORS MAP 51 BLOCK LOT 36 RECORD OWNER: COMPREHENSIVE LAND HOLDINGS DEED REFERENCE: CERTIFICATE #271959 PLAN REFERENCE: LC PLAN 2367-12

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PLAN TITLE:

CONSTRUCTION DETAILS

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N.T.S.