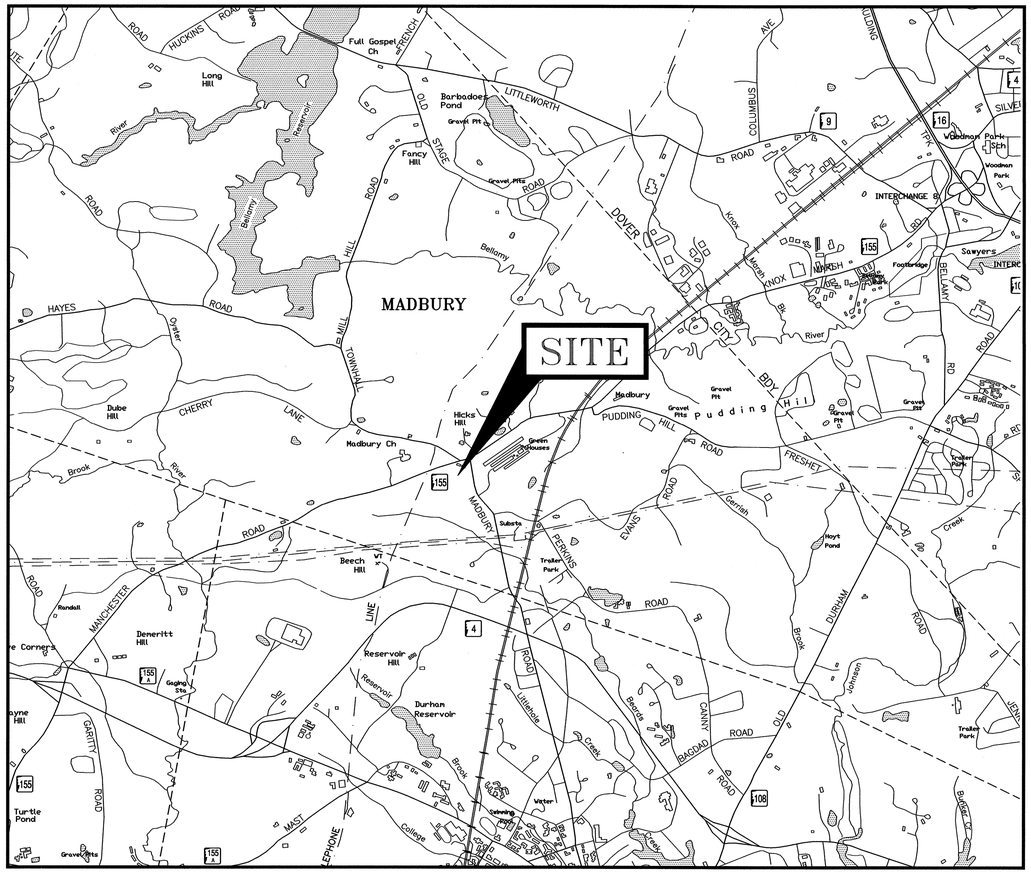
PROPOSED HOUSING DEVELOPMENT
10 LEE ROAD
MADBURY, NEW HAMPSHIRE
PERMIT PLANS

LEGEND:

N/F	NOW OR FORMERLY
RP	RECORD OF PROBATE
RCRD	ROCKINGHAM COUNTY REGISTRY OF DEEDS
11/21	MAP 11/LOT 21
IR FND	IRON ROD FOUND
IP FND	IRON PIPE FOUND
IR SET	IRON ROD SET
DH FND	DRILL HOLE FOUND
DH SET	DRILL HOLE SET
	GRANITE BOUND w/IRON ROD FOUND

EXISTING	PROPOSED	
FM	FM	FORCE MAIN
S	S	SEWER PIPE
SL	SL	SEWER LATERAL
G	G	GAS LINE
D	D	STORM DRAIN
RD	RD	ROOF DRAIN (GUTTER)
W	W	WATER LINE
WS	WS	WATER SERVICE
UU	UU	UNDERGROUND UTILITIES
FD	FD	FOUNDATION DRAIN
		OVERHEAD ELECTRIC/WIRES
HOTL	HOTL	HIGHEST OBSERVABLE TIDE LINE
MHW	MHW	MEAN HIGH WATER LINE
FHZ	FHZ	FLOOD HAZARD LINE
		EDGE OF PAVEMENT (EP)
100	100	CONTOUR
97x3	98x0	SPOT ELEVATION
		UTILITY POLE
E	E	ELECTRIC METER
		TRANSFORMER ON CONCRETE PAD
		WATER SHUT OFF/CURB STOP
GV	GV	GATE VALVE
	HYD	HYDRANT
CB	CB	CATCH BASIN
SMH	SMH	SEWER MANHOLE
DMH	DMH	DRAIN MANHOLE
MMH	MMH	WATER METER MANHOLE
1		PHOTO LOCATION
TP 1		TEST PIT
LSA		LANDSCAPED AREA
		BUILDABLE AREA
		RUBBLE STONE WALL
		LEDGE OUTCROP
		EDGE OF WETLAND FLAGGING
CI	CI	CAST IRON PIPE
COP	COP	COPPER PIPE
CMP	CMP	CORRUGATED METAL PIPE
DI	DI	DUCTILE IRON PIPE
PVC	PVC	POLYVINYL CHLORIDE PIPE
EP	EP	EDGE OF PAVEMENT
RCP	RCP	REINFORCED CONCRETE PIPE
EL.	EL.	ELEVATION
FF	FF	FINISHED FLOOR
INV	INV	INVERT
TBM	TBM	TEMPORARY BENCH MARK
TYP	TYP	TYPICAL
C	℄	CENTERLINE



SCALE: 1" = 2000'

INDEX OF SHEETS

OWNER:
10 LEE ROAD, LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, N.H. 03840

CIVIL ENGINEER & LAND SURVEYOR:
AMBIT ENGINEERING, INC.
200 GRIFFIN ROAD, UNIT 3
PORTSMOUTH, N.H. 03801–7114
Tel (603) 430–9282
Fax (603) 436–2315

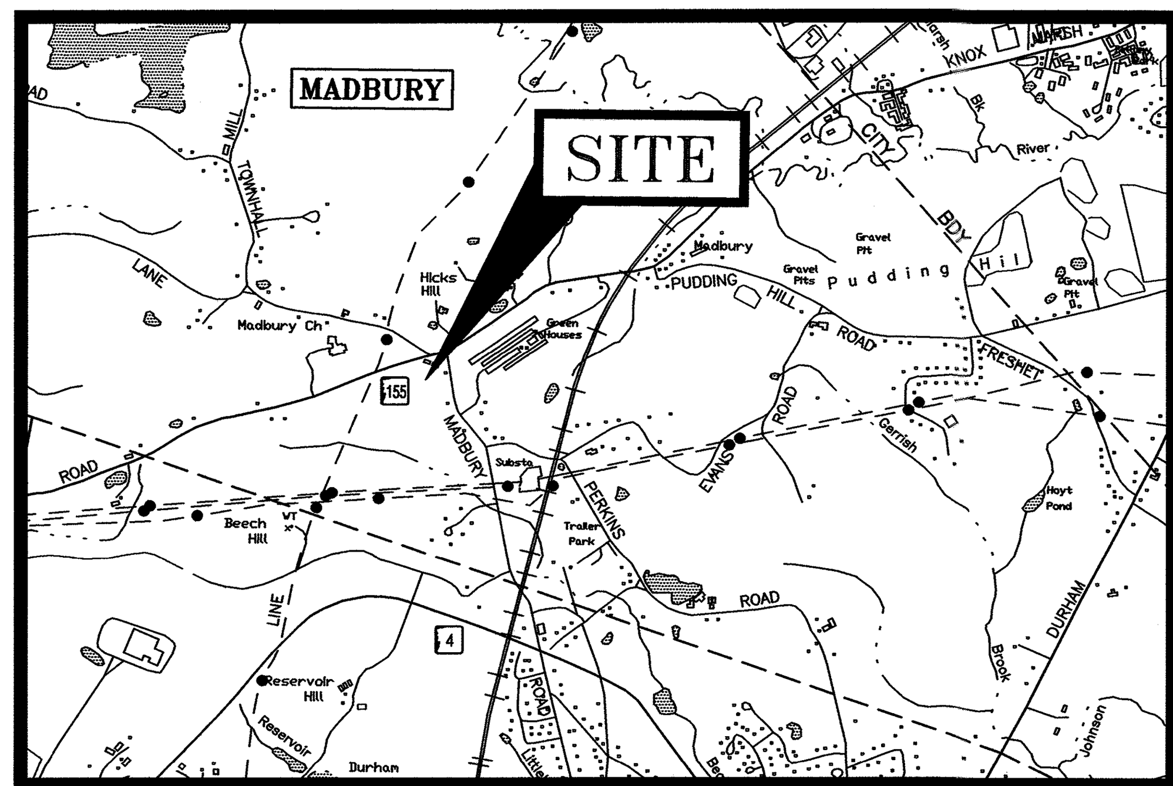
ARCHITECT:
CJ ARCHITECTS
233 VAUGHAN STREET, #101
PORTSMOUTH, N.H. 03801
603–431–2808

ATTORNEY:
DURBIN LAW
144 WASHINGTON ST.
PORTSMOUTH, N.H. 03801
603–287–4764

PROPOSED HOUSING DEVELOPMENT
10 LEE ROAD, LLC.
TAX MAP 8 LOT 9
10 LEE ROAD
MADBURY, N.H.

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road – Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

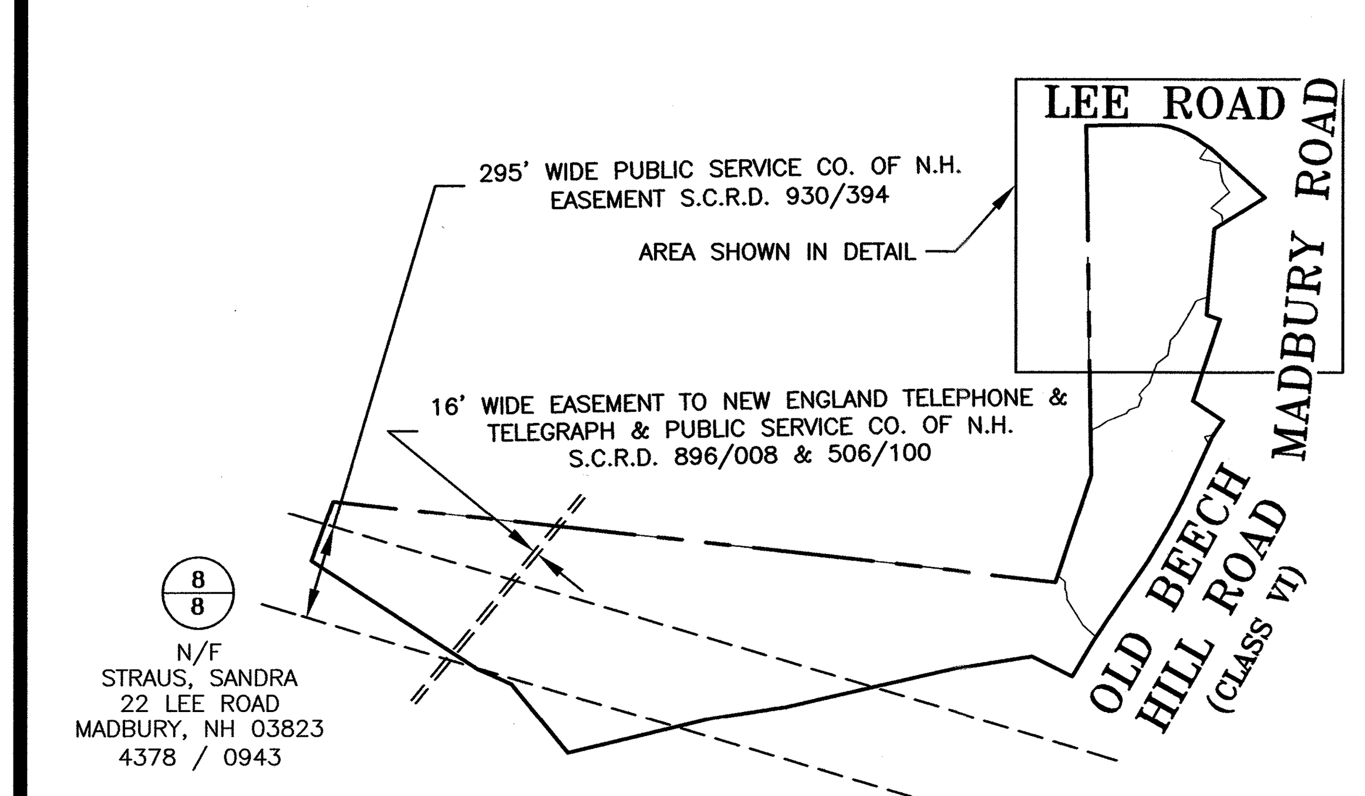
PLAN SET SUBMITTAL DATE: 18 MARCH 2022



LOCATION MAP 1" = 3000'

LEGEND:

N/F	NOW OR FORMERLY
RP	RECORD OF PROBATE
SCRD	STRAFFORD COUNTY REGISTRY OF DEEDS
11/21	MAP 11 / LOT 21
	BOUNDARY
	SETBACK
	RAILROAD SPIKE FOUND
	IRON ROD/PIPE FOUND
	DRILL HOLE FOUND
	STONE/CONCRETE BOUND FOUND
	RAILROAD SPIKE SET
	IRON ROD SET
	DRILL HOLE SET
	GRANITE BOUND SET
	EDGE OF PAVEMENT (EP)
	WOODS / TREE LINE
	UTILITY POLE (W/ GUY)
G W E	METER (GAS, WATER, ELECTRIC)
TYP.	TYPICAL
LSA	LANDSCAPED AREA



OVERALL BOUNDARY
SCALE 1"=600'

WETLAND NOTES:

1) WETLAND LINE DELINEATED BY STEVEN D. RIKER, CWS ON 12/27/19 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
   - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL. TECHNICAL REPORT Y-87-1 (JAN. 1987). AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
   - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.2, USDA-NRCS, 2018 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEIWPCC WETLANDS WORK GROUP (2019).
   - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
   - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFWS MANUAL FWS/OBS-79/31 (1997).
   - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.

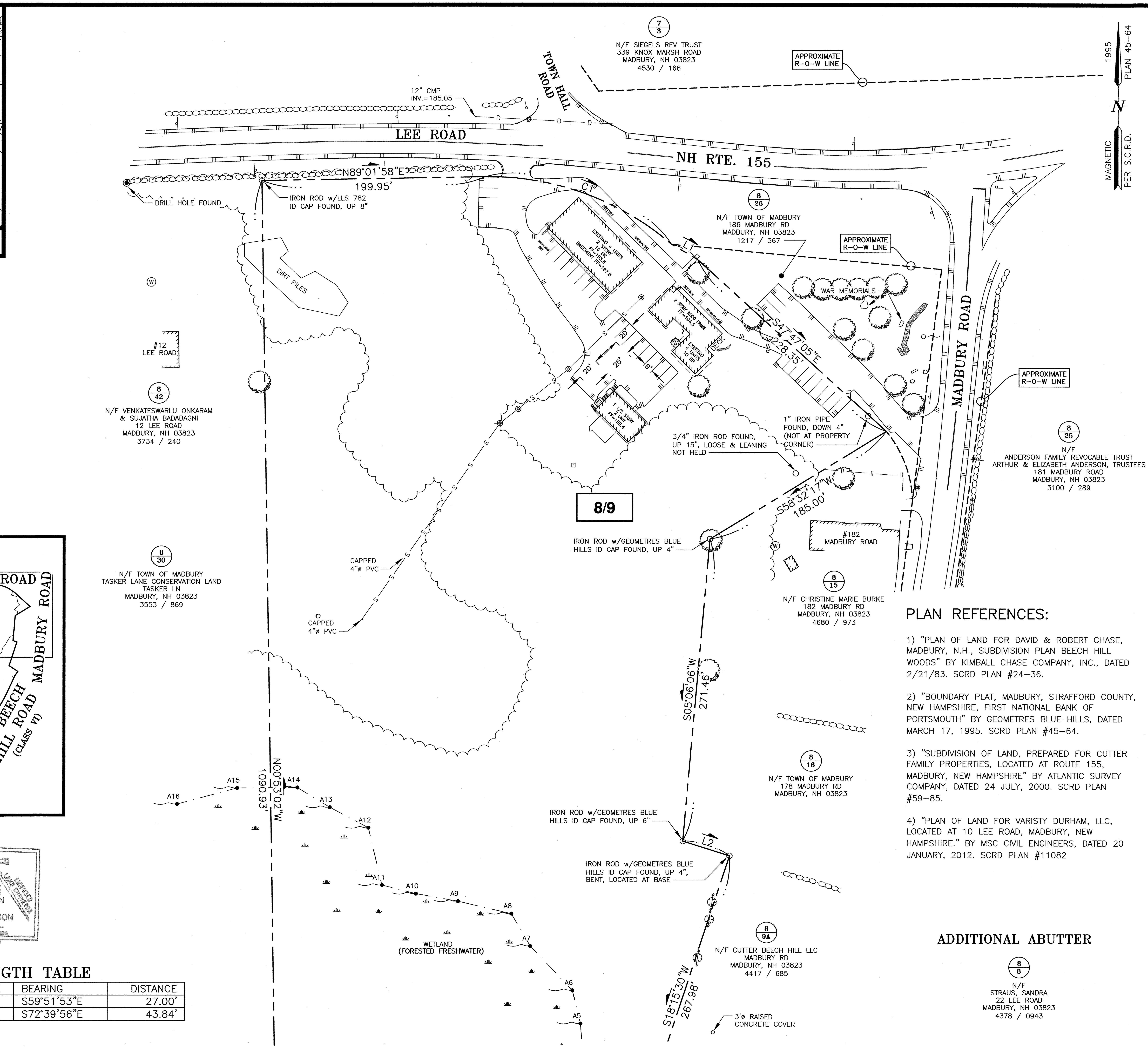
2) WETLAND FLAGS WERE FIELD LOCATED BY AMBIT ENGINEERING, INC.

"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

[signature] 1·19·22

JOHN R. CHAGNON, LLS DATE

STATE OF NEW HAMPSHIRE JOHN R. CHAGNON No. 738 LICENSED LAND SURVEYOR



LENGTH TABLE

LINE	BEARING	DISTANCE
L1	S59°51'53"E	27.00'
L2	S72°39'56"E	43.84'

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1*	250.00'	181.35'	177.40'	S70°06'18"E	41°33'44"

*NON-TANGENT OUT

PLAN REFERENCES:

1) "PLAN OF LAND FOR DAVID & ROBERT CHASE, MADBURY, N.H., SUBDIVISION PLAN BEECH HILL WOODS" BY KIMBALL CHASE COMPANY, INC., DATED 2/21/83. SCRD PLAN #24-36.

2) "BOUNDARY PLAT, MADBURY, STRAFFORD COUNTY, NEW HAMPSHIRE, FIRST NATIONAL BANK OF PORTSMOUTH" BY GEOMETRES BLUE HILLS, DATED MARCH 17, 1995. SCRD PLAN #45-64.

3) "SUBDIVISION OF LAND, PREPARED FOR CUTTER FAMILY PROPERTIES, LOCATED AT ROUTE 155, MADBURY, NEW HAMPSHIRE" BY ATLANTIC SURVEY COMPANY, DATED 24 JULY, 2000. SCRD PLAN #59-85.

4) "PLAN OF LAND FOR VARISTY DURHAM, LLC, LOCATED AT 10 LEE ROAD, MADBURY, NEW HAMPSHIRE." BY MSC CIVIL ENGINEERS, DATED 20 JANUARY, 2012. SCRD PLAN #11082

ADDITIONAL ABUTTER

8/8
N/F
STRAUS, SANDRA
22 LEE ROAD
MADBURY, NH 03823
4378 / 0943

GRAPHIC SCALE
50 40 30 20 10 0 50 100 150 200 FEET
15 10 5 0 10 20 30 40 50 60 METERS

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

1) PARCEL IS SHOWN ON THE TOWN OF MADBURY ASSESSOR'S MAP 8 AS LOT 9.

2) OWNER OF RECORD:
10 LEE ROAD LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, NH 03840
4509/36

3) PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS SHOWN ON FIRM PANEL 330170320E, EFFECTIVE SEPTEMBER 30, 2015.

4) EXISTING LOT AREA:
1,586,890 S.F. (PER PLAN REFERENCE 2)
36.43 ACRES (PER PLAN REFERENCE 2)

5) THE PARCEL IS LOCATED IN THE GENERAL RESIDENTIAL AND AGRICULTURAL ZONE. THE PARCEL IS IN THE FOLLOWING OVERLAY DISTRICTS:
- AQUIFER & WELLHEAD PROTECTION
- SHORELAND PROTECTION (NOT IN DEVELOPMENT AREA)
- WET AREAS CONSERVATION (NOT IN DEVELOPMENT AREA)

6) DIMENSIONAL REQUIREMENTS:

MIN. LOT AREA:	
SINGLE FAMILY	80,000 S.F.
TWO FAMILY DWELLING	120,000 S.F.
FRONTAGE:	200 FEET
SETBACKS:	
FRONT	50 FEET
SIDE	15 FEET
REAR	15 FEET
MAXIMUM STRUCTURE HEIGHT:	38 FEET
MAXIMUM LOT COVERAGE:	25%

7) PARCEL IS SERVED BY ON-SITE WELL AND SEPTIC SYSTEM.

8) THE PURPOSE OF THIS PLAN IS TO SHOW THE RESULTS OF A STANDARD BOUNDARY SURVEY OF A PORTION OF ASSESSOR'S MAP 8 LOT 9 IN THE TOWN OF MADBURY.

NO.	DESCRIPTION	DATE
1	EASEMENTS SHOWN, NHDOT R-O-W	1/19/22
0	ISSUED FOR COMMENT	11/5/20

REVISIONS

PARTIAL BOUNDARY PLAN
TAX MAP 8 - LOT 9

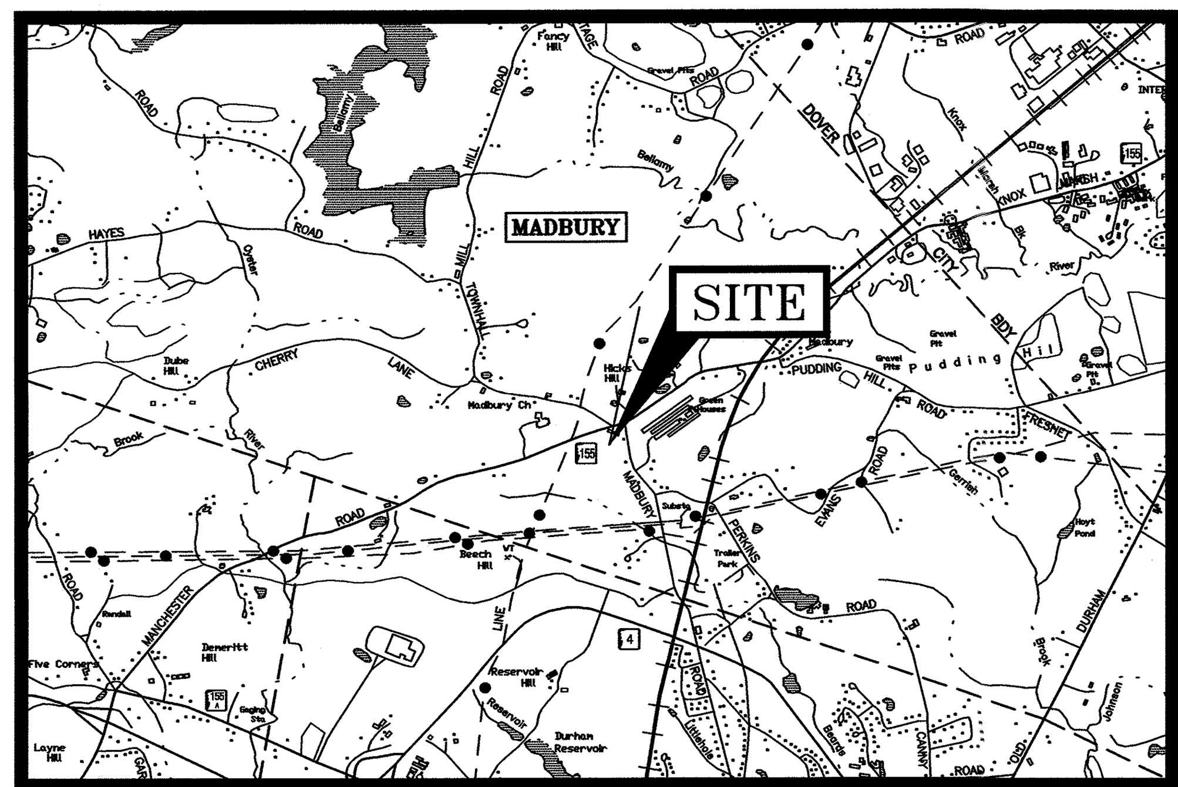
OWNER

10 LEE ROAD, LLC

10 LEE ROAD
TOWN OF MADBURY
COUNTY OF STRAFFORD
STATE OF NEW HAMPSHIRE

SCALE: 1" = 50' / 1" = 600' JULY 2020

FB 318 PG 20 3142



LOCATION MAP 1" = 4000'

DEMOLITION NOTES

A) THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE DESIGNER. IT IS THE CONTRACTORS' RESPONSIBILITY TO LOCATE UTILITIES AND ANTICIPATE CONFLICTS. CONTRACTOR SHALL REPAIR EXISTING UTILITIES DAMAGED BY THEIR WORK AND RELOCATE EXISTING UTILITIES THAT ARE REQUIRED TO BE RELOCATED PRIOR TO COMMENCING ANY WORK IN THE IMPACTED AREA OF THE PROJECT.

B) ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTORS UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES. THE CONTRACTOR SHALL COORDINATE REMOVAL, RELOCATION, DISPOSAL, OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.

C) ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO THE ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D) THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.

E) SAWCUT AND REMOVE PAVEMENT ONE FOOT OFF PROPOSED EDGE OF PAVEMENT TRENCH IN AREAS WHERE PAVEMENT IS TO BE REMOVED.

F) IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL THE PERMIT APPROVALS.

G) THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL CONSTRUCTION PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR ANY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK.

H) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE, UTILITIES, VEGETATION, PAVEMENT, AND CONTAMINATED SOIL WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ANY EXISTING DOMESTIC / IRRIGATION SERVICE WELLS IN THE PROJECT AREA IDENTIFIED DURING THE CONSTRUCTION AND NOT CALLED OUT ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER FOR PROPER CAPPING / RE-USE.

I) ALL WORK WITHIN THE STATE OF NH RIGHT OF WAY SHALL BE COORDINATED WITH THE NHDOT.

J) REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB AND REMOVE ALL SLUMPS WITHIN LIMITS OF WORK AND DISPOSE OF OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

K) CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED, THE CONTRACTOR SHALL EMPLOY A NH LICENSED LAND SURVEYOR TO REPLACE THEM.

L) PROVIDE INLET PROTECTION BARRIERS AT ALL CATCH BASINS WITHIN CONSTRUCTION LIMITS AND MAINTAIN FOR THE DURATION OF THE PROJECT. INLET PROTECTION BARRIERS SHALL BE HIGH FLOW SILT SACK BY ACF ENVIRONMENTAL OR APPROVED EQUAL. INSPECT BARRIERS WEEKLY AND AFTER EACH RAIN OF 0.25 INCHES OR GREATER. CONTRACTOR SHALL COMPLETE A MAINTENANCE INSPECTION REPORT AFTER EACH INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR MORE OFTEN IF WARRANTED OR FABRIC BECOMES CLOGGED. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION ACTIVITIES.

M) THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFELY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.

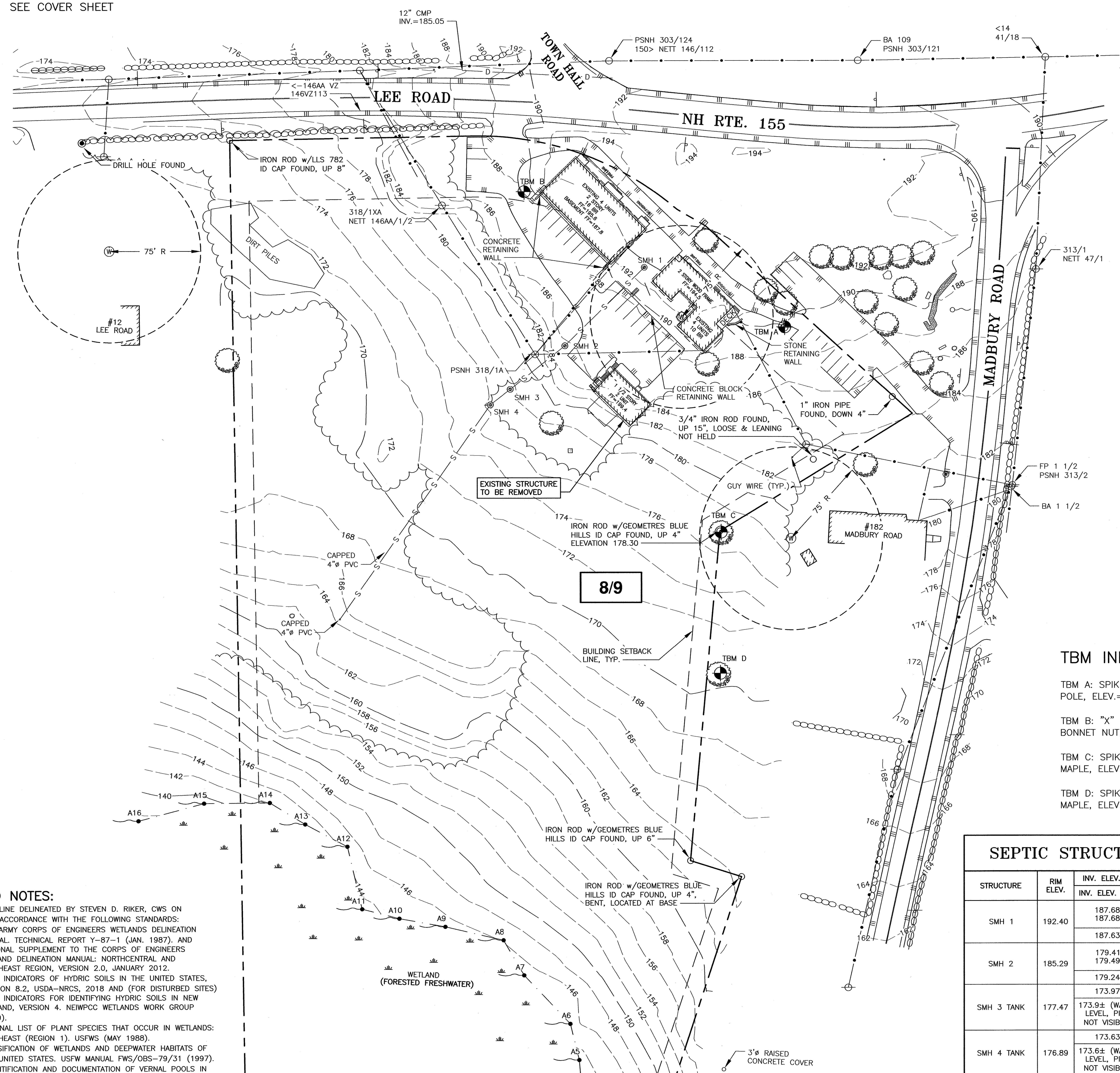
N) ANY CONTAMINATED MATERIAL REMOVED DURING THE COURSE OF THE WORK WILL REQUIRE HANDLING IN ACCORDANCE WITH NHDES REGULATIONS. CONTRACTOR SHALL HAVE A HEALTH AND SAFETY PLAN IN PLACE, AND COMPLY WITH ALL APPLICABLE PERMITS, APPROVALS, AUTHORIZATIONS, AND REGULATIONS

"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

JOHN R. CHAGNON, LLS — DATE 1·19·22

LEGEND:

SEE COVER SHEET



WETLAND NOTES:

1) WETLAND LINE DELINEATED BY STEVEN D. RIKER, CWS ON 12/27/19 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
   - A) U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL. TECHNICAL REPORT Y-87-1 (JAN. 1987). AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
   - B) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.2, USDA-NRCS, 2018 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEIWPCC WETLANDS WORK GROUP (2019).
   - C) NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
   - D) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1997).
   - E) "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.

2) WETLAND FLAGS WERE FIELD LOCATED BY AMBIT ENGINEERING, INC.

TBM INFORMATION:

TBM A: SPIKE SET IN UTILITY POLE, ELEV.=190.23

TBM B: "X" CUT ON HYDRANT BONNET NUT, ELEV.=188.23

TBM C: SPIKE SET IN 6" MAPLE, ELEV.=178.30

TBM D: SPIKE SET IN 12" MAPLE, ELEV.=171.46

SEPTIC STRUCTURE TABLE

STRUCTURE	RIM ELEV.	INV. ELEV. IN / INV. ELEV. OUT	FROM/TO
SMH 1	192.40	187.68 187.68	FROM SE'LY BLDG – 4" PVC FROM NW'LY BLDG – 4" PVC
		187.63	TO SMH 2 – 8" PVC
SMH 2	185.29	179.41 179.49	FROM 2 UNIT BLDG – 4" PVC FROM SMH 1 – 8" PVC
		179.24	TO SMH 3 – 8" PVC
SMH 3 TANK	177.47	173.97	FROM SMH 2 – 8" PVC
		173.9± (WATER LEVEL, PIPE NOT VISIBLE)	TO SMH 4 – 8" PVC
SMH 4 TANK	176.89	173.63	FROM SMH 3 – 8" PVC
		173.6± (WATER LEVEL, PIPE NOT VISIBLE)	TO LEACHFIELD

GRAPHIC SCALE

50 40 30 20 10 0 50 100 150 200 FEET

15 10 5 0 10 20 30 40 50 60 METERS

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road – Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

1) PARCEL IS SHOWN ON THE TOWN OF MADBURY ASSESSOR'S MAP 8 AS LOT 9.

2) OWNER OF RECORD:
10 LEE ROAD LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, NH 03840
4509/36

3) PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS SHOWN ON FIRM PANEL 330170320E, EFFECTIVE SEPTEMBER 30, 2015.

4) EXISTING LOT AREA:
1,586,890 S.F. (PER PLAN REFERENCE 2)
36.43 ACRES (PER PLAN REFERENCE 2)

5) THE PARCEL IS LOCATED IN THE GENERAL RESIDENTIAL AND AGRICULTURAL ZONE. THE PARCEL IS IN THE FOLLOWING OVERLAY DISTRICTS:
- AQUIFER & WELLHEAD PROTECTION
- SHORELAND PROTECTION (NOT IN DEVELOPMENT AREA)
- WET AREAS CONSERVATION (NOT IN DEVELOPMENT AREA)

6) DIMENSIONAL REQUIREMENTS:

MIN. LOT AREA:	
SINGLE FAMILY	80,000 S.F.
TWO FAMILY DWELLING	120,000 S.F.
FRONTAGE:	200 FEET
SETBACKS:	
FRONT	50 FEET
SIDE	15 FEET
REAR	15 FEET
MAXIMUM STRUCTURE HEIGHT:	38 FEET
MAXIMUM LOT COVERAGE:	25%

7) PARCEL IS SERVED BY ON-SITE WELL AND SEPTIC SYSTEM.

8) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON A PORTION OF ASSESSOR'S MAP 8 LOT 9 IN THE TOWN OF MADBURY.

PROPOSED HOUSING 10 LEE ROAD MADBURY, N.H.

NO.	DESCRIPTION	DATE
2	OVERLAY ZONES, SETBACKS	1/19/22
1	ISSUED FOR SUBMISSION	11/5/20
0	ISSUED FOR COMMENT	7/21/20

REVISIONS

STATE OF NEW HAMPSHIRE — JOHN R. CHAGNON — No. 738 — LICENSED LAND SURVEYOR

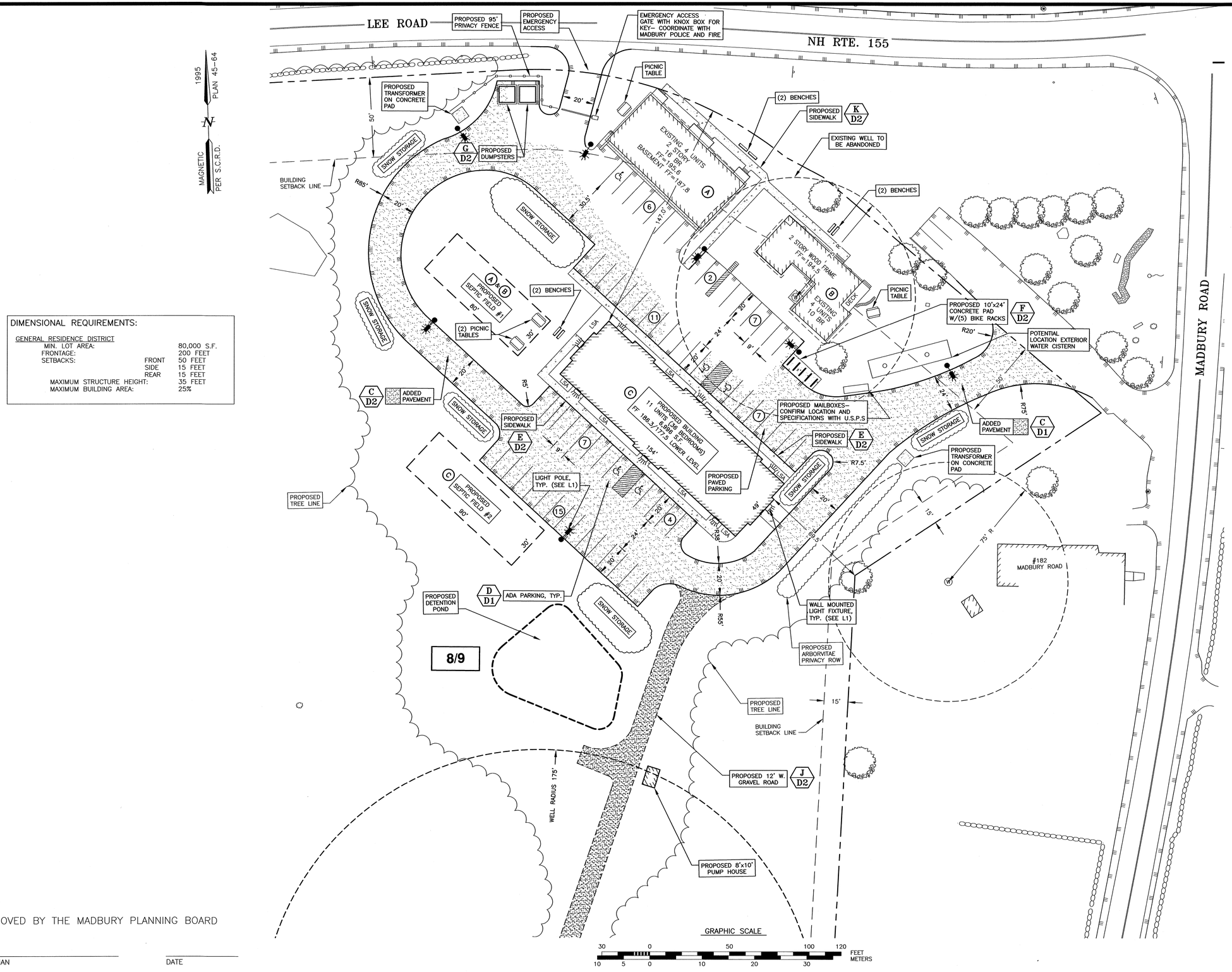
SCALE: 1" = 50' JULY 2020

EXISTING CONDITIONS PLAN

C1

FB 318 & PG 20

3142



DIMENSIONAL REQUIREMENTS:

GENERAL RESIDENCE DISTRICT

MIN. LOT AREA:		80,000 S.F.
FRONTAGE:		200 FEET
SETBACKS:	FRONT	50 FEET
	SIDE	15 FEET
	REAR	15 FEET
MAXIMUM STRUCTURE HEIGHT:		35 FEET
MAXIMUM BUILDING AREA:		25%

APPROVED BY THE MADBURY PLANNING BOARD

CHAIRMAN _____ DATE _____

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road – Unit 3
Portsmouth, N.H. 03801–7114
Tel (603) 430–9282
Fax (603) 436–2315

NOTES:

1) PARCEL IS SHOWN ON THE TOWN OF MADBURY ASSESSOR'S MAP 8 AS LOT 9.

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- AQUIFER & WELLHEAD PROTECTION
- SHORELAND PROTECTION (NOT IN DEVELOPMENT AREA)
- WET AREAS CONSERVATION (NOT IN DEVELOPMENT AREA)

3) DIMENSIONAL REQUIREMENTS:

MIN. LOT AREA:		80,000 S.F.
FRONTAGE:		200 FEET
SETBACKS:		
	FRONT	50 FEET
	SIDE	15 FEET
	REAR	15 FEET
MAXIMUM STRUCTURE HEIGHT:		38 FEET
MAXIMUM LOT COVERAGE:		25%

4) PARKING CALCULATIONS:
EXISTING 30 SPACES SERVING 10 UNITS
PROPOSED 64 SPACES SERVING 21 UNITS

5) EXISTING COVERAGE CALCULATIONS:

STRUCTURES =	1,091 SF (TO BE DEMOLISHED)
	5,674 SF (TO REMAIN)
PAVEMENT =	14,627 SF
TOTAL =	21,392 SF

PROPOSED:

NEW PAVEMENT	= 28,250 SF
EXISTING PAVEMENT	= 14,627 SF
NEW STRUCTURE	= 6,750 SF
EXISTING STRUCTURES	= 5,674 SF
SIDEWALK	= 2,832 SF
TOTAL	= 58,133 SF

PROPOSED COVERAGE: 58,133 SF/1,586,890 SF = 3.7%

6) PROJECT PERMITS:
NHDOT: PENDING
NHDES SUBSURFACE:
SEPTIC FIELD 1: PENDING
SEPTIC FIELD 2: PENDING
NHDES WATER SYSTEM APPROVAL: PENDING

7) BUILDING HEIGHT REGULATIONS ARE ADMINISTERED BY THE TOWN OF MADBURY BUILDING INSPECTOR IN ACCORDANCE WITH THE REQUISITE REGULATIONS.

PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
5	EMERGENCY ENTRANCE, CISTERN	3/18/22
4	NHDOT ROW, GATE, SETBACKS, NOTE 6&7, SNOW STORAGE, MAIL, BENCHES, TABLES	1/19/22
3	REVISED LAYOUT	10/7/21
2	REVISED LAYOUT	5/3/21
1	ISSUED FOR SUBMISSION	11/5/20
0	ISSUED FOR COMMENT	7/21/20

REVISIONS

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR No. 738 JOHN R. CHAGNON SIGNATURE

STATE OF NEW HAMPSHIRE JOHN R. CHAGNON No. 7661 LICENSED PROFESSIONAL ENGINEER

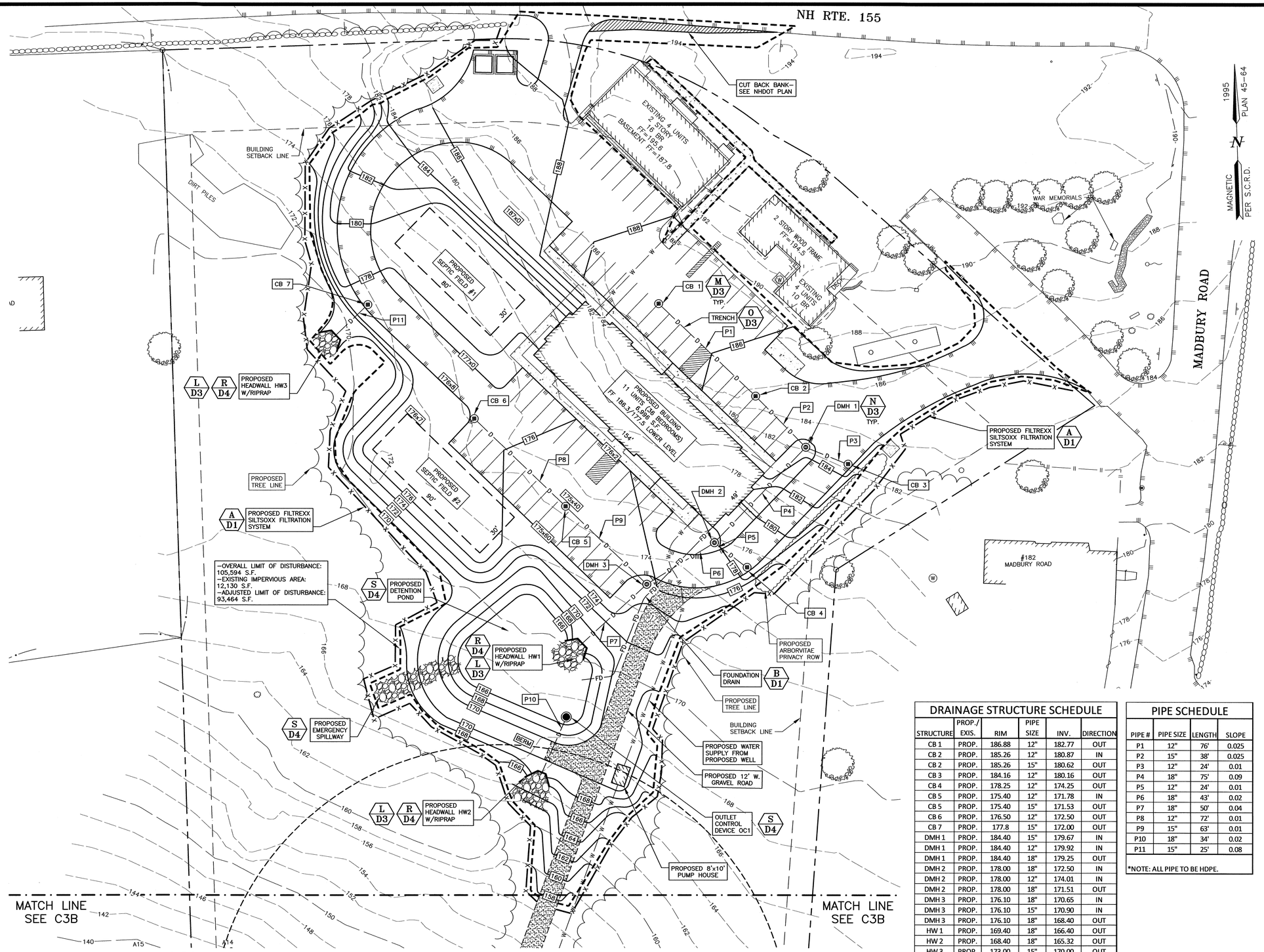
SCALE: 1" = 30' JULY 2020

SITE PLAN

C2

FB 318 PG 20

3142



APPROVED BY THE MADBURY PLANNING BOARD

CHAIRMAN

DATE

GRAPHIC SCALE

30 0 50 100 120 FEET

10 5 0 10 20 30 METERS

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE	PROP./ EXIS.	RIM	PIPE SIZE	INV.	DIRECTION
CB 1	PROP.	186.88	12"	182.77	OUT
CB 2	PROP.	185.26	12"	180.87	IN
CB 2	PROP.	185.26	15"	180.62	OUT
CB 3	PROP.	184.16	12"	180.16	OUT
CB 4	PROP.	178.25	12"	174.25	OUT
CB 5	PROP.	175.40	12"	171.78	IN
CB 5	PROP.	175.40	15"	171.53	OUT
CB 6	PROP.	176.50	12"	172.50	OUT
CB 7	PROP.	177.8	15"	172.00	OUT
DMH 1	PROP.	184.40	15"	179.67	IN
DMH 1	PROP.	184.40	12"	179.92	IN
DMH 1	PROP.	184.40	18"	179.25	OUT
DMH 2	PROP.	178.00	18"	172.50	IN
DMH 2	PROP.	178.00	12"	174.01	IN
DMH 2	PROP.	178.00	18"	171.51	OUT
DMH 3	PROP.	176.10	18"	170.65	IN
DMH 3	PROP.	176.10	15"	170.90	IN
DMH 3	PROP.	176.10	18"	168.40	OUT
HW 1	PROP.	169.40	18"	166.40	OUT
HW 2	PROP.	168.40	18"	165.32	OUT
HW 3	PROP.	173.00	15"	170.00	OUT
OC1	PROP.	169.50	18"	166.00	OUT

PIPE SCHEDULE

PIPE #	PIPE SIZE	LENGTH	SLOPE
P1	12"	76'	0.025
P2	15"	38'	0.025
P3	12"	24'	0.01
P4	18"	75'	0.09
P5	12"	24'	0.01
P6	18"	43'	0.02
P7	18"	50'	0.04
P8	12"	72'	0.01
P9	15"	63'	0.01
P10	18"	34'	0.02
P11	15"	25'	0.08

*NOTE: ALL PIPE TO BE HDPE.

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
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NOTES:

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PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
5	RIPRAP AT HW2	3/18/22
4	SEPTIC FIELD #2	1/19/22
3	WELL LOCATION AND RADIUS, LAYOUT	10/7/21
2	REVISED LAYOUT	5/3/21
1	ISSUED FOR SUBMISSION	11/5/20
0	ISSUED FOR COMMENT	7/21/20

REVISIONS

JOHN R. CHAGNON No. 7961 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE

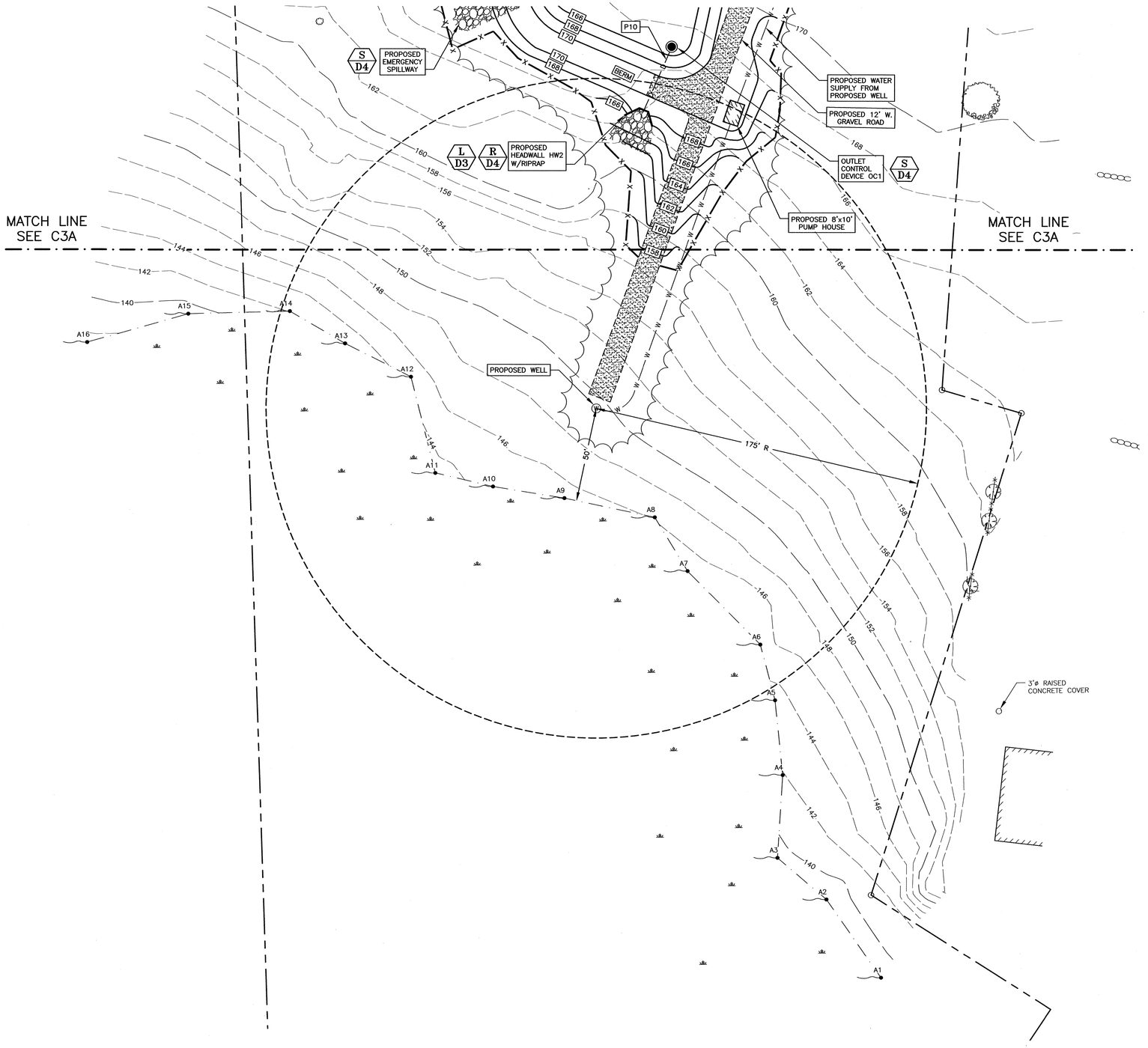
SCALE: 1" = 30' JULY 2020

GRADING PLAN

C3A

FB 318 , PG 20

3142



APPROVED BY THE MADBURY PLANNING BOARD

CHAIRMAN _____ DATE _____

GRAPHIC SCALE

30 0 50 100 120 FEET
10 5 0 10 20 30 METERS

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PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
4	RIPRAP @ HW2	3/18/22
3	REVISED LAYOUT	10/7/21
2	REVISED LAYOUT	5/3/21
1	ISSUED FOR SUBMISSION	11/5/20
0	ISSUED FOR COMMENT	7/21/20

REVISIONS

STATE OF NEW HAMPSHIRE
JOHN R. CHAGNON
No. 9651
LICENSED
PROFESSIONAL ENGINEER

SCALE: 1" = 30' JULY 2020

GRADING PLAN

C3B

FB 318 , PG 20

3142

TEST PIT 4, ELEV.

Date: 6/16/21
Logged by: STEVEN RIKER
Witnessed by: MICHAEL CUOMO
ESHWT: 29"
Observed Water: NONE
Restrictive layer: @ 29"
REFUSAL: NONE TO 72"
Percolation rate: 12 mins./inch
Roots: 18"

DEPTH	DESCRIPTION
0" – 5"	10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
5" – 29"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE
29" – 34"	10YR 4/3 COARSE SAND, MASSIVE, FIRM
34' – 72"	2.5YR 4/2 CLAY LOAM, MASSIVE, FIRM

TEST PIT 5, ELEV.

Date: 6/16/21
Logged by: STEVEN RIKER
Witnessed by: MICHAEL CUOMO
ESHWT: 30"
Observed Water: NONE
Restrictive layer: 30"
REFUSAL: NONE TO 72"
Percolation rate: 12 mins./inch
Roots: 18"

DEPTH	DESCRIPTION
0" – 4"	10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4" – 30"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE
30" – 72"	2.5YR 5/3 CLAY LOAM, MASSIVE, FIRM

TEST PIT 6, ELEV.

Date: 6/16/21
Logged by: STEVEN RIKER
Witnessed by: MICHAEL CUOMO
ESHWT: 52"
Observed Water: NONE
Restrictive layer: NONE
REFUSAL: NONE TO 72"
Percolation rate: 8 mins./inch
Roots: 24"

DEPTH	DESCRIPTION
0" – 3"	10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
3" – 10"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE
10" – 25"	10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
25" – 52"	2.5YR 5/4 COARSE SAND, SINGLE GRAIN, LOOSE
52" – 76"	2.5YR 5/6 COARSE SAND, SINGLE GRAIN, LOOSE

TEST PIT 7, ELEV.

Date: 6/16/21
Logged by: STEVEN RIKER
Witnessed by: MICHAEL CUOMO
ESHWT: 76"
Observed Water: NONE
Restrictive layer: NONE
REFUSAL: NONE TO 84"
Percolation rate: 8 mins./inch
Roots: 26"

DEPTH	DESCRIPTION
0" – 3"	10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE (FILL)
3" – 17"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE (FILL)
17" – 29"	10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
29" – 76"	10YR 4/4 GRAVELLY COARSE SAND, SINGLE GRAIN, LOOSE
76" – 84"	2.5YR 5/4 GRAVELLY COARSE SAND, SINGLE GRAIN, LOOSE

LOT LOADING CALCULATIONS:

0.71 ACRES * (2000 GPD/ACRES/1.76) = 807 GPD

0.85 ACRES / 37,026 SF
Charlton fine sandy loam, very stony
0-8% slope
Soil Group 2
Loading Factor = 1.30

0.85 ACRES * (2000 GPD/ACRES/1.30) = 1,308 GPD

1.33 ACRES / 57,935 S.F.
Woolbridge fine sandy loam, very stony
0-8% slope
Soil Group 3
Loading Factor = 1.60

1.33 ACRES * (2000 GPD/ACRES/1.60) = 1,662 GPD

TOTAL ALLOWABLE FLOW = 12,693 GPD
PROPOSED FLOW = 9,300 GPD

LOT AREA: 1,586,890 S.F. 36.43 ACRES

27.75 ACRES NOT USEABLE (WETLAND, EASEMENT)

8.68 ACRES USEABLE OF WHICH:

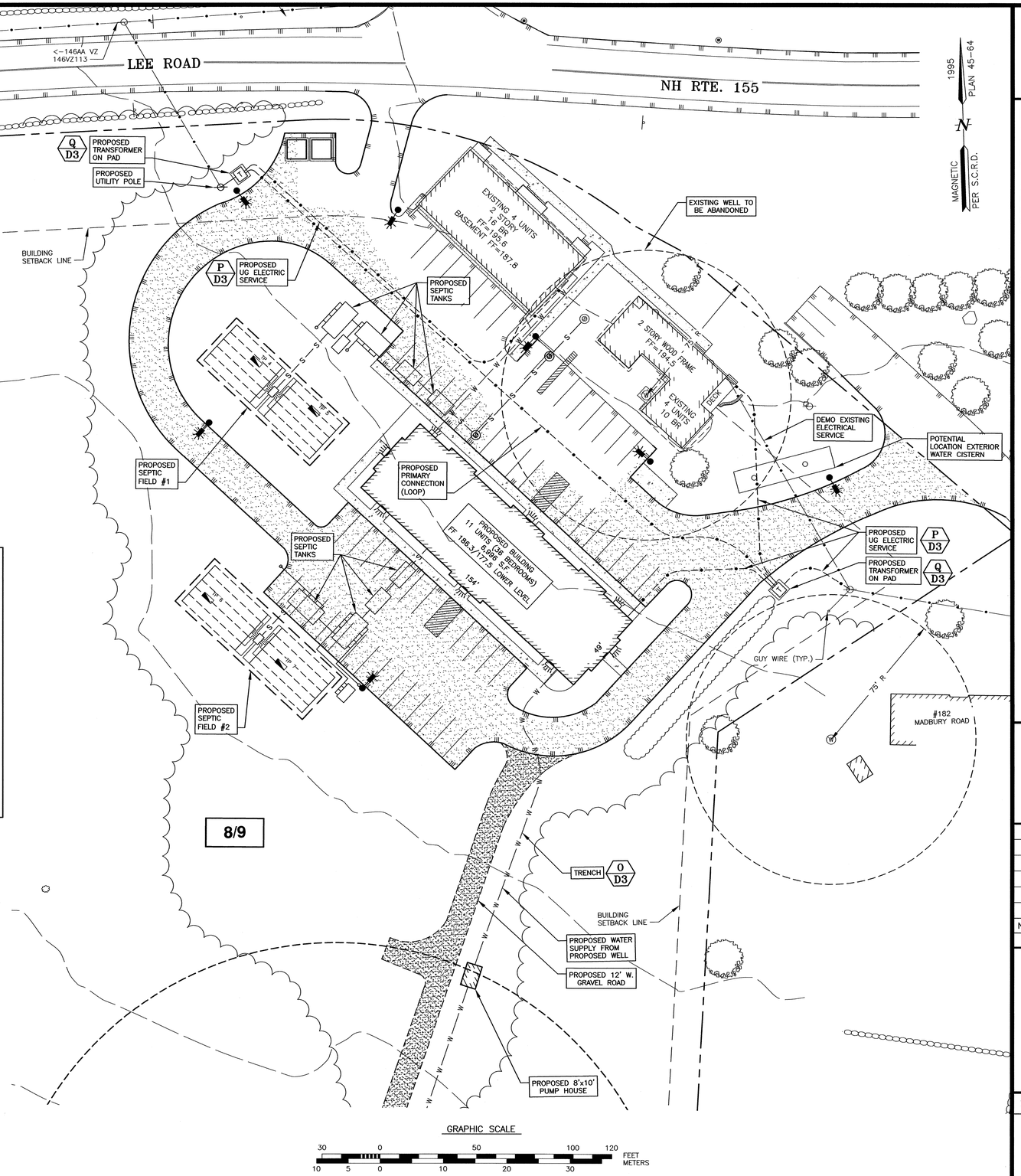
5.87 ACRES / 286,625 S.F.
Charlton fine sandy loam,
0-8% slope (+/-6%)
Soil Group 2
Loading Factor = 1.30

5.87 ACRES * (2000 GPD/ACRES/1.30) = 9,030 GPD

0.71 ACRES / 31,075 S.F.
Sutton fine sandy loam, very stony
8-15% slope (+/-9%)
Soil Group 3
Loading Factor = 1.76

APPROVED BY THE MADBURY PLANNING BOARD

CHAIRMAN _____ DATE _____



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4) EXISTING FLOW:
4–4 BEDROOM UNITS: 4 X 600 GPD = 2,400 GPD
2–3 BEDROOM UNITS: 2 X 450 GPD = 900 GPD
2–2 BEDROOM UNITS: 2 X 300 GPD = 600 GPD
TOTAL FLOW: 3,900 GPD
PROPOSED FLOW:
36 BEDROOM UNITS: 36 X 150 GPD = 5,400 GPD
TOTAL PROPOSED FLOW: 9,300 GPD

PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
5	EMERGENCY ENTRANCE, CISTERN	3/18/22
4	UGE SERVICE	1/19/22
3	REVISED LAYOUT	10/7/21
2	REVISED LAYOUT	5/3/21
1	ISSUED FOR SUBMISSION	11/5/20
0	ISSUED FOR COMMENT	7/21/20

REVISIONS

STATE OF NEW HAMPSHIRE – JOHN R. CHAGNON NO. 7851 LICENSED PROFESSIONAL ENGINEER –

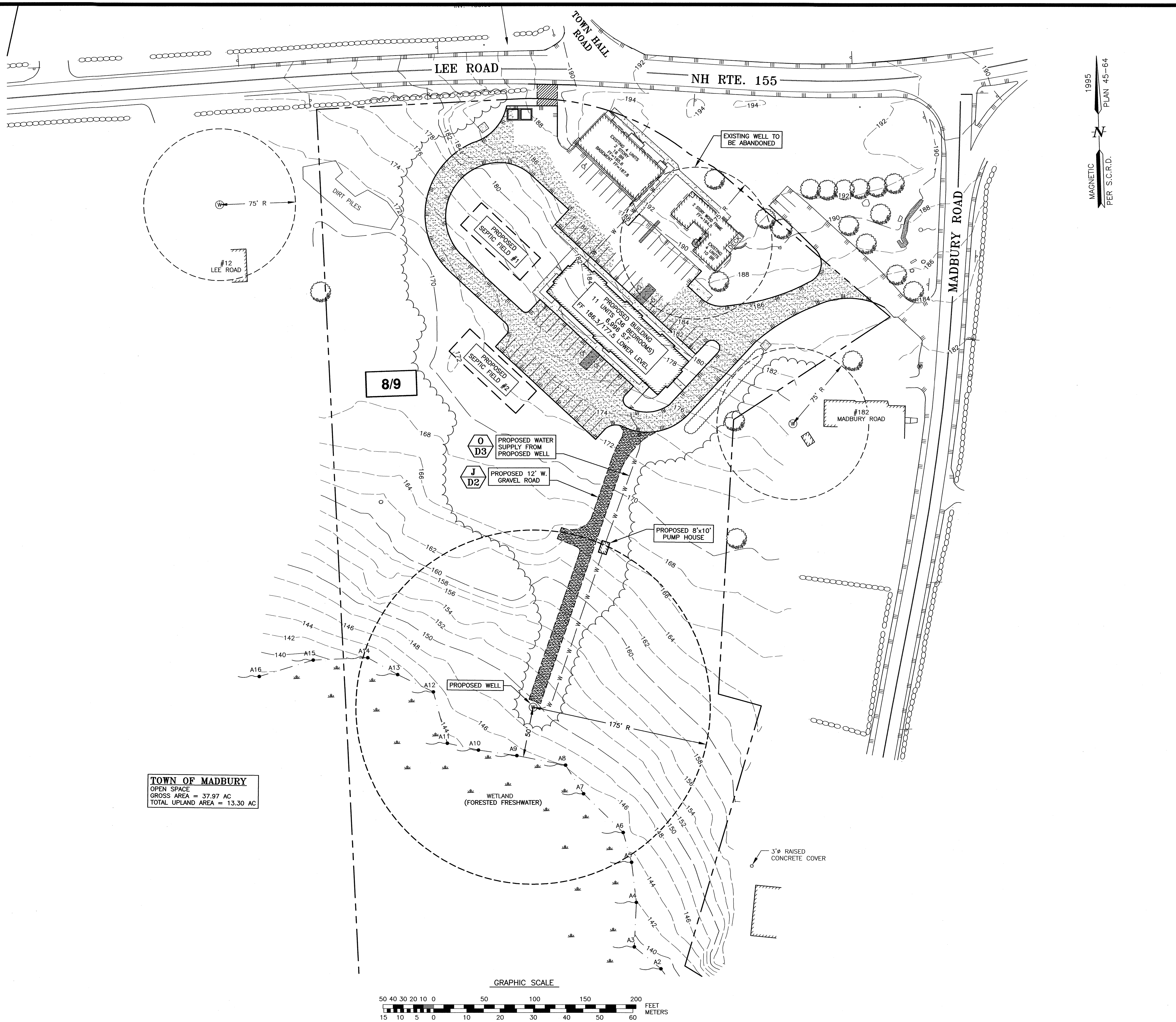
SCALE: 1" = 30' JULY 2020

UTILITY & SEPTIC PLAN

C4

FB 318 PG 20

3142



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4) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING AND PROPOSED WELL LOCATIONS.

PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
1	WELL LOCATION AND RADIUS	10/7/21
0	ISSUED FOR COMMENT	5/3/21

REVISIONS

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR No. 738 JOHN R. CHAGNON

SCALE: 1" = 50'   JULY 2020

WELL LOCATION PLAN

C5

FB 318 PG 20   3142

LEE ROAD

NH RTE. 155

MADBURY ROAD

FLOWERING TREE TO REPLACE EX.
(IE. DOGWOOD, CRABAPPLE, PEAR)

PICNIC TABLE

ADD NEW FOUNDATION PLANTINGS AROUND EX. BUILDINGS
(IE. RHODODENDRON, BOXWOOD, PLUM YEW)

FOUNDATION SRHUBS LINE SIDES OF COURTYARD
(IE. BOXWOOD, P.J.M RHODODENDRON, DWARF SUMMERSWEET)
UPRIGHT SHRUB OR EVERGREEN AT EACH END WILL WILL ANCHOR CORNERS OF BUILDINGS
(IE. VIBURNUM, MISS KIM LILAC, BLUE HOLLY, UPRIGHT BOXWOOD)

SMALL FLOWERING TREE
(IE. ORN. CRABAPPLE, ORN. CHERRY, KOUSA DOGWOOD)

BENCHES AND PICNIC TABLES WILL BE PLACED AROUND EXISTING BUILDINGS (A & B) TO CREATE ADDITIONAL OUTDOOR SEATING AND/OR GATHERING SPACE

EVERGREEN TREES WILL BE PLANTED TO SCREEN VIEWS TO/FROM NEIGHBORING PROPERTIES AND BUFFER ANY POTENTIALLY INTRUSIVE NOISE. (IE. BLACK HILLS SPRUCE, SWISS STONE PINE, CONCOLOR FIR).
NOTE: TREES TO BE SET BACK FROM EDGE OF ROAD TO ALLOW ROOM FOR SNOW STORAGE

SHRUBS TO SCREEN VIEW OF TRANSFORMER AND FENCE.
(INKBERRY, SUMMERSWEET, VIBURNUM)

SNOW STORAGE

EXISTING BUILDING (A)
MULCH BEDS: 810 SQ FT

EXISTING BUILDING (B)
MULCH BEDS: 440 SQ FT

DECK

INSTALL SHRUBS ATOP RETAINING WALL
(IE. AZALEA, SPIREA, SUMMERSWEET)

PICNIC TABLE

MAILBOXES

PICNIC TABLE

4 PROP. PARK GRADE TREES WILL SHADE RECREATIONAL AREA WHERE BENCHES AND PICNIC TABLES WILL PROVIDE A GATHERING SPACE FOR RESIDENTS
(IE. RED MAPLE, TUPELO, HONEYLOCUST)
NOTE: TREES TO BE PRUNED UP 8' TO ALLOW FOR SNOW STORAGE

PROPOSED SEPTIC FIELD #1

SHRUBS (IE. SPIREA, BOXWOOD, AZALEA)
SMALL PYRAMIDAL/UPRIGHT EVERGREEN
(IE. DWARF BLUE SPRUCE, BLUE HOLLY)

PROPOSED BUILDING (C)
MULCH BEDS: 840 SQ FT

SNOW STORAGE

UPRIGHT OR COLUMNAR TREES PLANTED IN PARKING LOT ISLANDS WILL ADD GREENERY, SOFTENING VIEWS AND COOLING THE OPEN AREA
(IE. AMERICAN SWEETGUM, HORNBEAM, ZELKOVA)

LOW-MAINT. PERENNIAL GARDENS
(IE. DAYLILIES, DAISIES, ORNAMENTAL GRASSES)

STONE MAINTENANCE STRIP
TO SURROUND FOUNDATION
(2 MIN. WIDTH)

STONE MAINTENANCE STRIP
TO MEET EDGE OF SIDEWALK

SNOW STORAGE

PROPOSED SEPTIC FIELD #2

SNOW STORAGE

PRIVACY SCREEN PLANTING

UPRIGHT OR COLUMNAR TREES PLANTED IN PARKING LOT ISLANDS WILL ADD GREENERY, SOFTENING VIEWS AND COOLING THE OPEN AREA
(IE. AMERICAN SWEETGUM, HORNBEAM, ZELKOVA)

SHRUBS TO SCREEN VIEW OF TRANSFORMER
(INKBERRY, SUMMERSWEET, VIBURNUM)

PROP. FLOWERING TREE
(IE. SERVICEBERRY, DOGWOOD)

SHRUBS TO SCREEN VIEW OF TRANSFORMER. (INKBERRY, SUMMERSWEET, VIBURNUM)

SNOW STORAGE

EVERGREEN TREES WILL BE PLANTED TO SCREEN VIEWS TO/FROM NEIGHBORING PROPERTIES AND BUFFER ANY POTENTIALLY INTRUSIVE NOISE. (IE. NORWAY SPRUCE, SWISS STONE PINE, CONCOLOR FIR, ARBORVITAE).

NOTES:

1) PLANTING MATERIALS AND INSTALLATION SPECIFICATIONS:
-SHADE TREES WILL BE 2" CALIPER MIN.
-EVERGREEN TREES TO BE 7-8' HT
-DECIDUOUS AND EVERGREEN TREES WILL BE 24-30" HT
-ANCHOR SHRUBS ON THE CORNERS OF THE BUILDING WILL BE 4-5' HT
-HERBACEOUS PERENNIALS WILL BE 2QT OR 1 GAL. SIZE
-PERENNIAL GROUNDCOVERS WILL BE IN 2.5"-1QT PLUGS IN FLATS AND TO BE PLANTED AT 12-18" ON CENTER.
-ALL DESIGNATED GARDEN AREAS AND TREE RINGS TO BE MULCHED TO A 2" DEPTH OF 1-YEAR-OLD, COMPOSTED BARK MULCH.
-TREES IN LAWN AREAS TO RECEIVE MULCH TREE RINGS AT MIN. 4' DIA.
-ALL BARK MULCH TO BE RAKED BACK FROM THE PLANTS SO NO MULCH IS IN CONTACT WITH TRUNKS AND STEMS.

2) MAINTENANCE RECOMMENDATIONS
-LANDSCAPE MAINTENANCE PLAN TO BE IMPLEMENTED AS PER THE PROVIDED PLANT CARE AND MAINTENANCE GUIDE.

3) MULCH BEDS:
TOTAL PROPOSED AREA APPROX. 3,600 SQ FT
BREAKDOWN OF MULCH AREAS:
-FOUNDATION PLANTINGS: BULDING A 811 SQ FT
BULDING B 436 SQ FT
BULDING C 834 SQ FT
-TREE RINGS: 532 SQ FT (AVERAGE 14 SQ FT EA.)
-PRIVACY PLANTINGS (SHRUBS): 950 SQ FT

4) ALL LANDSCAPING SHALL BE INSTALLED NO MORE THAN ONE YEAR AFTER THE CERTIFICATE OF OCCUPANCY FOR THE PROJECT

0 10 20 SCALE IN FEET

SITE STRUCTURES LANDSCAPE INCORPORATED

NORTH

Proposed Housing

10 Lee Road, Madbury, NH

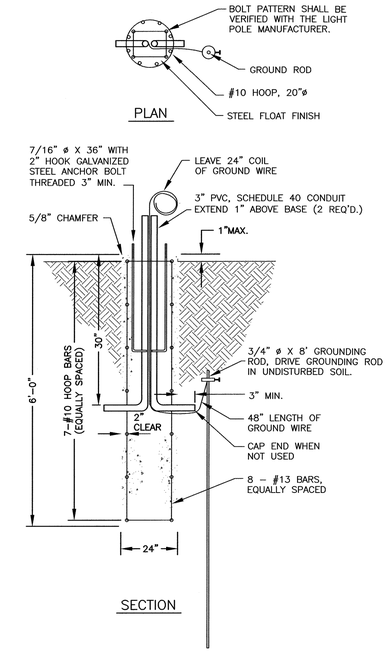
SCALE 1" = 20'

DRAWING # Updated Landscape Plan

DATE 3.18.22

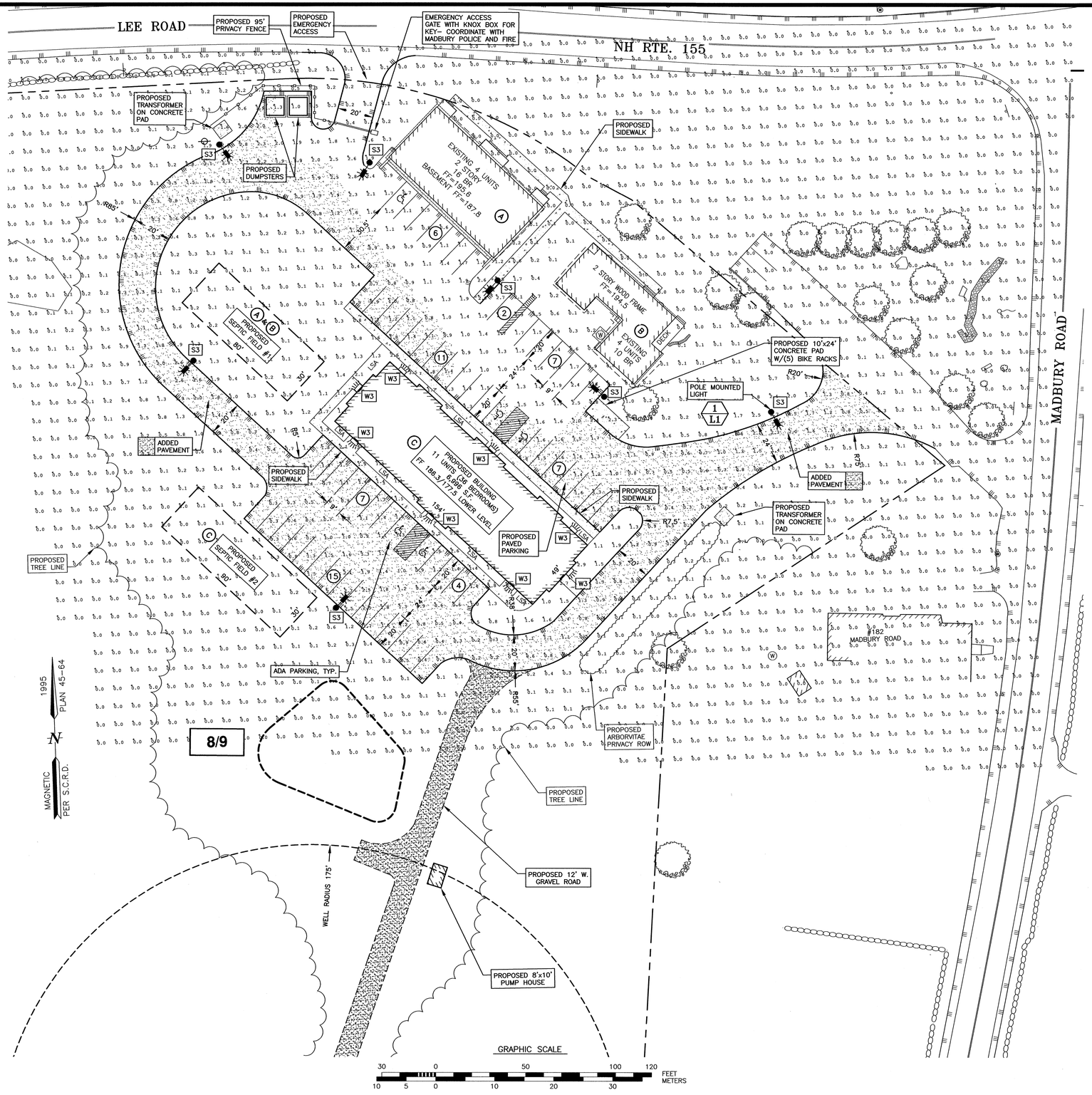
LUMINAIRE SCHEDULE

SYMBOL	LABEL	QTY.	DESCRIPTION	ARRANGMENT
	S3	7	GLEON-SA1C-740-U-T3/ SSS4A20SFN1 (20' AFG)	SINGLE
	W3	8	ISS-SA1B-740-U-SL3/ WALL MTD. 15' AFG	SINGLE



1/L1 CONCRETE LIGHT POLE BASE

NTS



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4) POLE MOUNTED LIGHTS SHALL HAVE A MAXIMUM FIXTURE OF HEIGHT OF 20 FEET.

5) ALL LIGHTING SHALL BE SHIELDED TO MINIMIZE LIGHT TRESPASS AND DIRECT GLARE BEYOND THE PROPERTY.

6) ALL LIGHTS SHALL BE DARK SKY COMPLIANT AND DIRECTED DOWNWARD.

7) LIGHTING PLAN DESIGN BY CHARRON, INC. 603-945-3500.

8) LIGHTS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
1	EMERGENCY ENTRANCE	3/18/22
0	ISSUED FOR APPROVAL	10/7/21

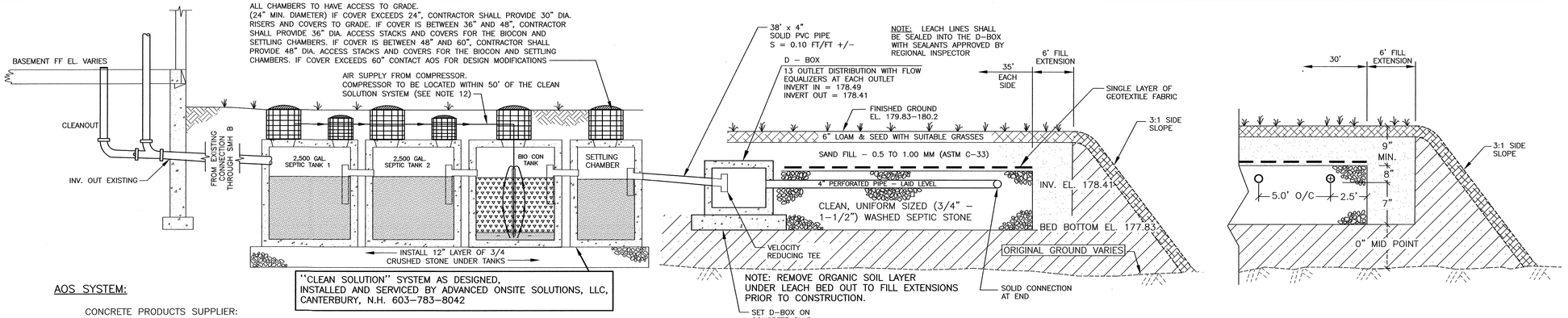
REVISIONS

SCALE: 1" = 30' JULY 2020

LIGHTING PLAN L1

FB 318 , PG 20

3142



COLLECTION SYSTEM PROFILE

NTS

LEACH FIELD PROFILE

NTS

LEACH FIELD SECTION

NTS

TANK NOTES:
1) SETTLING TANKS MUST BE PUMPED EVERY 2-1/2 YEARS.
2) PLASTIC TUFF-TITE RISERS TO BE CAST IN.

AOS SYSTEM:

CONCRETE PRODUCTS SUPPLIER:
PHOENIX PRECAST PRODUCTS
1-800 (639)-2199
NOT H20 RATED

SEPTIC TANK PRODUCTS:

SHEA CONCRETE
603-942-5668
ALL TANKS H20 LOADING

LEGEND:

100	EXISTING CONTOUR
100	PROPOSED CONTOUR
TP	TEST PIT
PT	PERC TEST
ST	SEPTIC TANK
FF	FINISH FLOOR
INV.	INVERT
MIN.	MINIMUM
FD	FOUNDATION DRAIN

MINIMUM DISTANCES:

(UNLESS OTHERWISE GOVERNED BY LOCAL CODE)

SURFACE WATER TO:
TANK 75' - FIELD 75'
PRIVATE WELL TO:
TANK 75' - FIELD 75'
PRESSURE WATER LINE TO:
TANK 10' - FIELD 25'
SUCTION WATER LINE TO:
TANK 50' - FIELD 50'
PROPERTY LINE TO:
TANK 10' - FIELD 10'

DESIGN INTENT:

THE PURPOSE OF THIS DESIGN IS TO MAINTAIN 4' ABOVE SEASONAL HIGH WATER TABLE & 4' ABOVE LEDGE OR ANY IMPERMEABLE SUBSTRATUM BY CONSTRUCTING THE LEACH BED BOTTOM AT ELEVATION 177.83 WHICH IS 5" BELOW EXISTING GROUND AT THE HIGHEST POINT. (HP 178.25-172.25-50% RULE)

SEPTIC STRUCTURE TABLE

STRUCTURE	RIM ELEV.	INV. ELEV. IN / INV. ELEV. OUT	FROM/TO
SMH 1 (TO REMAIN)	192.40	187.68	FROM SE'LY BLDG - 4" PVC
		187.68	FROM NW'LY BLDG - 4" PVC
		187.63	TO SMH A - 8" PVC
SMH 2 (TO BE REMOVED)	~~185.29~~	~~179.41~~	~~FROM 2 UNIT BLDG - 4" PVC~~
		~~179.49~~	~~FROM SMH 1 - 8" PVC~~
		~~179.24~~	~~TO SMH 3 - 8" PVC~~
SEPTIC TANK 1	187.7	183.56	FROM SMH B
		183.31	TO SEPTIC TANK 1
SEPTIC TANK 2	188.2	183.10	FROM SEPTIC TANK 1
		182.85	TO SEPTIC TANK 2
BIO CON TANK	188.0	182.65	FROM SEPTIC TANK 2
		182.40	TO BIO CON TANK
SETTLING TANK	187.5	182.20	FROM BIO CON TANK
		181.95	TO D BOX - 4" PVC

TEST PIT 4, ELEV.

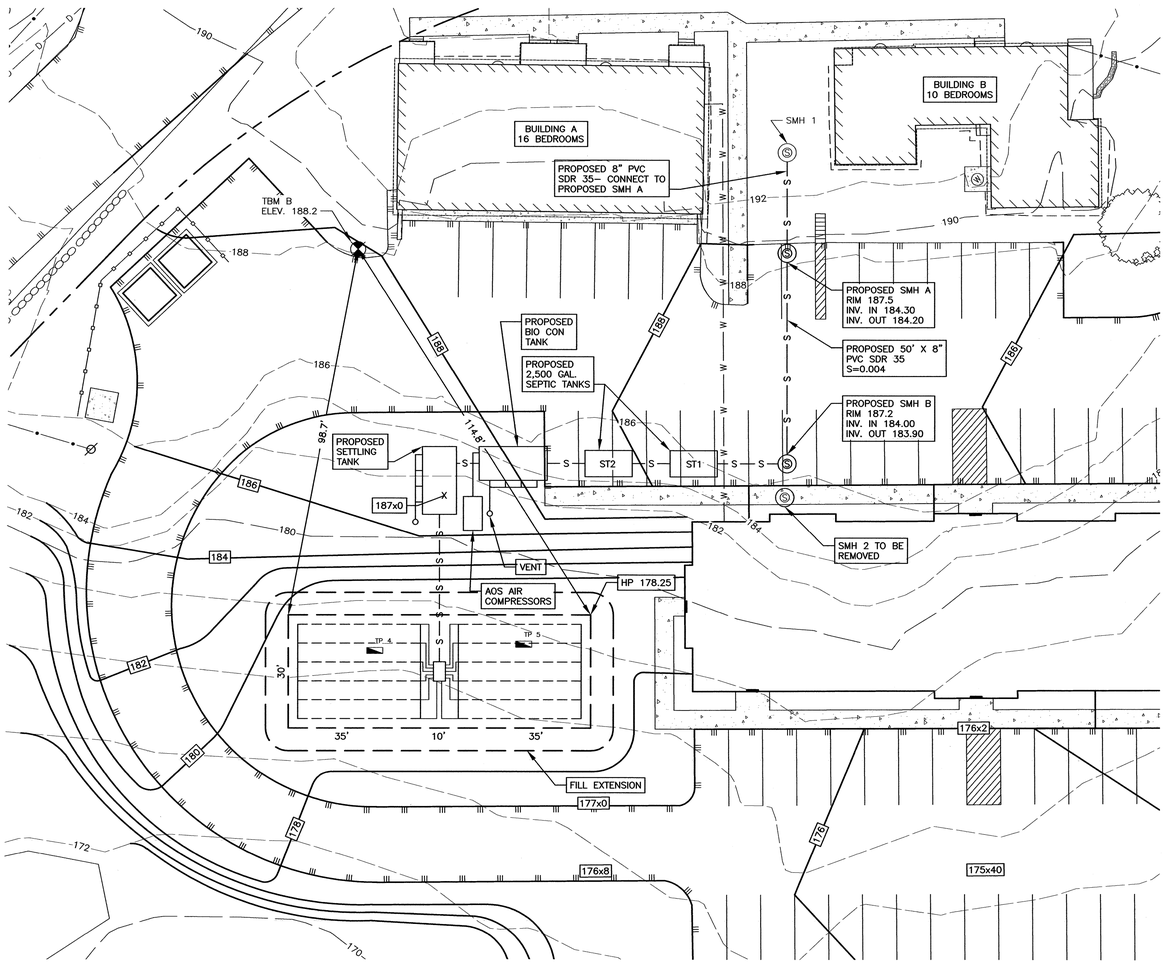
Date:	6/16/21
Logged by:	STEVEN RIKER
Witnessed by:	MICHAEL CUOMO
ESHWT:	29"
Observed Water:	NONE
Restrictive layer:	@ 29"
REFUSAL:	NONE TO 72"
Percolation rate:	12 mins./inch
Roots:	18"

DEPTH	DESCRIPTION
0" - 5"	10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
5" - 29"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE
29" - 34"	10YR 4/3 COARSE SAND, MASSIVE, FIRM
34" - 72"	2.5YR 4/2 CLAY LOAM, MASSIVE, FIRM

TEST PIT 5, ELEV.

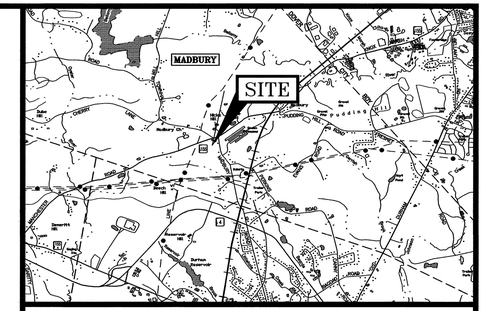
Date:	6/16/21
Logged by:	STEVEN RIKER
Witnessed by:	MICHAEL CUOMO
ESHWT:	30"
Observed Water:	NONE
Restrictive layer:	30"
REFUSAL:	NONE TO 72"
Percolation rate:	12 mins./inch
Roots:	18"

DEPTH	DESCRIPTION
0" - 4"	10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4" - 30"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE
30" - 72"	2.5YR 5/3 CLAY LOAM, MASSIVE, FIRM



GRAPHIC SCALE

10 0 20 40 60 80 FEET
5 0 5 10 15 20 25 METERS



LOCATION MAP 1" = 2,000'

NOTES:

1) PROPOSED FLOW: PROPOSED (8) UNITS (APARTMENTS); 26 BEDROOMS 26 X 150 = 3,900 GPD
2) PROPOSED FIELD SIZE: AT 12 MINUTE PERC. CONVENTIONAL EFFLUENT DISPOSAL AREA: 7,800 S.F. ADVANCED ON SITE REQUIRED LEACHFIELD: 25% X 7,800 = 1,950 S.F. 30' X 70' = 2,100 S.F. PROVIDED
3) THIS PLAN IS PREPARED FOR SEPTIC SYSTEM DESIGN ONLY, IT IS NOT A BOUNDARY SURVEY.
4) FOUNDATION DRAINS: SEE PLAN LOCATION
5) PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS SHOWN ON FIRM PANEL 330170320E, EFFECTIVE SEPTEMBER 30, 2015.
6) ANY CHANGES TO THE SPECIFICATIONS SHOWN HEREON SHALL BE SUBMITTED TO THE DESIGNER, IN WRITING, FOR APPROVAL PRIOR TO ANY CONSTRUCTION ON SAID CHANGES.
7) IN THE, EVENT OF SYSTEM FAILURE: REBUILD IN PLACE.
8) WATER SUPPLY: WELL ON LOT
9) THE OWNER IS RESPONSIBLE TO OPERATE THIS SYSTEM WITHIN ITS DESIGN CAPACITY. THE AVERAGE DAILY FLOW TO THE LEACHFIELD SHOULD BE NO MORE THAN 1/2 ITS APPROVED DESIGN CAPACITY. FOR SUCCESSFUL OPERATION OF DISPOSAL SYSTEM, MAINTENANCE IS REQUIRED.
   - HAVE SEPTIC TANK (1ST CHAMBER) PUMPED AS REQUIRED (2 YEAR MAXIMUM).
   - DO NOT DISPOSE BULKY WASTES, TOXIC MATERIALS, OR OIL INTO SYSTEM.
   - DO NOT DISPOSE GREASE INTO THE SYSTEM. CLEAN SEPTIC TANK FILTER WHEN PUMPING TANK.
   - DO NOT ALLOW VEHICLES OR LIVESTOCK ONTO SYSTEM UNLESS SPECIFICALLY DESIGNED FOR SUCH LOADS.
   - DO NOT USE COLORED TOILET PAPER.
   - CONSULT THE SYSTEM DESIGNER PRIOR TO PLACING ANY ADDITIONAL LOADING ON THE SYSTEM, SUCH AS: KITCHEN GARBAGE GRINDERS, HOT TUBS, WHIRLPOOLS, OR BACKWASH SYSTEMS.
10) THIS SEPTIC SYSTEM SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A NHDES LICENSED INSTALLER. INSTALLER IS RESPONSIBLE FOR PLACING THE LEACH FIELD IN LOCATION SHOWN ON THIS PLAN, USING TIES PROVIDED. ANY DISCREPANCY BETWEEN THESE PLANS AND THE APPARENT FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION. SYSTEM MUST BE INSPECTED AND APPROVED BY NH-DES PRIOR TO BACKFILLING.
11) CONSTRUCTION APPROVAL FOR THIS SYSTEM SHALL EXPIRE 4 YEARS FROM DATE OF ISSUE.
12) FOR EASE OF INSPECTION AND MAINTENANCE, THIS DESIGN SHOWS AN OUTDOOR COMPRESSOR ENCLOSURE UNIT.

SOIL TYPE: CHARLTON FINE SANDY LOAM

BENCHMARK: IRON ROD w/GEOMETRES BLUE HILLS ID CAP FOUND, UP 4" (SEE PLAN) ELEV. 178.30 NAVD 88 PER GPS

DISTANCE TO NEAREST SURFACE WATER: GREATER THAN 100 FT.

DIRECTIONS TO SITE

FROM PORTSMOUTH TRAFFIC CIRCLE AND ROUTE 16 NORTHBOUND, TAKE EXIT 8W SOUTHBOUND ON ROUTE 155. IN THREE MILES THE PROPERTY IS ON THE LEFT HAND SIDE IMMEDIATELY AFTER PASSING MADBURY ROAD.

TAX MAP 8 LOT 9 - BUILDINGS A&B SEPTIC FIELD #1 SUBSURFACE DISPOSAL SYSTEM PLAN 10 LEE ROAD MADBURY, N.H.

REGISTRY: STRAFFORD
BOOK / PAGE: 4509 / 0036
NHDES SUBDIVISION APPROVAL NO.: NOT AVAILABLE 1975 ESTIMATED
NHDES SYSTEM APPROVAL NO.: PENDING

OWNER: 10 LEE ROAD LLC.
1 BAYSIDE ROAD; BOX 4
GREENLAND, N.H. 03840

APPLICANT:

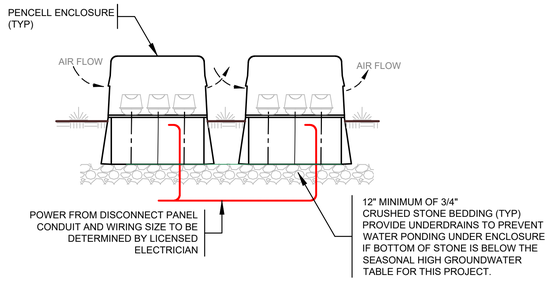
AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NEW HAMPSHIRE Designer of Subsurface Disposal Systems * * * John R. Chagnon No. 7785 Department Of Environmental Services

SPACE RESERVED FOR N.H.D.E.S.

SCALE: 1"=20' REV. 10/7/21 JULY 2021

FB 318 PG 20 JOB 3142



NOTES:
1. TOTAL OF 2 PENCELL ENCLOSURES REQUIRED WITH 3 COMPRESSORS PER ENCLOSURE. TOTAL NUMBER OF TCS450 COMPRESSORS REQUIRED IS 6.
2. SEE COMPRESSURE ENCLOSURE NOTES FOR ADDTIONAL INFORMATION

AIR COMPRESSOR ENCLOSURES DETAIL

SCALE: N.T.S.

ENCLOSURE(S) PROVIDED BY AOS

1. AOS COMPRESSOR ENCLOSURE MODEL NO. - ENC450
2. NUMBER OF COMPRESSOR ENCLOSURES REQUIRED - 2
   AOS COMPRESSOR MODEL NO. - TCS450
4. NUMBER OF COMPRESSOR PER ENCLOSURE - SEE PLAN
5. MAXIMUM LENGTH OF AIRLINE FROM CENTER OF BIOCON ACCESS OPENING AND COMPRESSOR LOCATION IS 50'
6. ELECTRICAL POWER FOR AIR COMPRESSORS TO BE PROVIDED BY OTHERS.
7. NUMBER OF CIRCUITS REQUIRED 4 - 115 VOLT, 20 AMP NON-GFCI CIRCUITS. COMPRESSORS. FOR ALL PHASES
8. PROVIDE A DISCONNECT PANEL IN THE COMPRESSOR ENCLOSURE OR WITHIN 50'. PROVIDE UNOBSTRUCTED ACCESS TO THE DISCONNECT.
9. COMPRESSOR ENCLOSURES TO BE SET BY SITE CONTRACTOR.

COMPRESSOR ENCLOSURE NOTES:

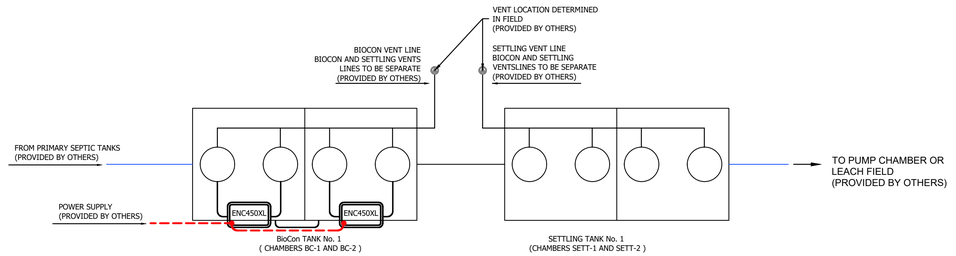
1. ENCLOSURE TO BE PROVIDED BY OWNER. ENCLOSURE TO BE VENTED AND HAVE THERMOSTAT CONTROLLED EXHAUST FANS TO ALLOW EXCHANGE OF FRESH AIR. COMPRESSORS TO BE LOCATED ABOVE FLOOD ELEVATION. ENCLOSURE TO HOUSE 10 - TCS-450 COMPRESSORS.
2. ENCLOSURE TO HAVE PASSIVE VENTS LOCATED BELOW AND ABOVE COMPRESSORS.
3. COMPRESSOR SHELVES TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO MEET WITH AOS TO LAYOUT LOCATION AND SIZE.
4. ELECTRIAL POWER FOR AIR COMPRESSORS TO BE PROVIDED BY OTHERS. REQUIRES 5 - 115 VOLT, 20 AMP NON-GFI CIRCUITS COMPRESSORS TO BE HARD WIRED.
5. PROVIDE A DISCONNECT PANEL IN THE COMPRESSOR ENCLOSURE. PROVIDE UNOBSTRUCTED ACCESS TO THE DISCONNECT.
6. PROVIDE UTILITY OUTLET AND UTILITY LIGHT IN ENCLOSURE.

SYSTEM DESIGN NOTES:

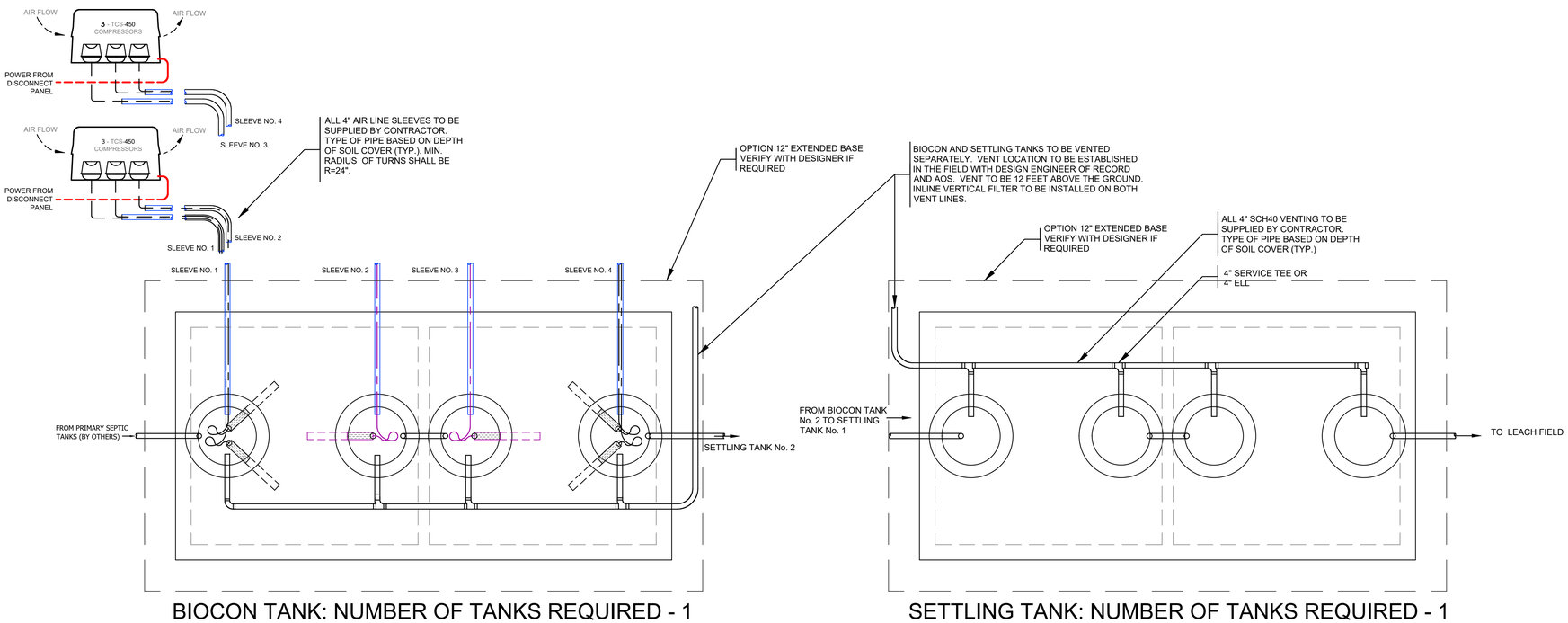
1. THE CLEAN SOLUTION SYSTEM COMPONENTS HAVE BEEN DESIGNED BASED ON A PEAK DESIGN FLOW OF 3,900 GPD, WITH AN AVERAGE 30-DAY FLOW OF 1,950 GPD BASED ON WATER METER READINGS. FOR PROJECT BUILD OUT
2. THE CLEAN SOLUTION SYSTEM IS DESIGNED BASED ON WASTEWATER ESTIMATED STRENGTH AND PROPOSED DESIGN FLOW
   BOD5 = < 200 mg/l
   TSS = < 150 mg/l
   O&G = < 25 mg/l (O&G BASED ON INCREASE IN GREASE TRAP SIZE AND MORE FREQUENT PUMPING)
3. OWNER TO RECORD MONTHLY WATER METER READINGS. READINGS TO BE PROVIDED TO ADVANCED ONSITE SOLUTIONS AND DESIGN ENGINEER OF RECORD FOR 12 MONTHS.
4. WATER METER READINGS TO BE RECORDED AT THE SAME TIME EACH MONTH. DATE AND TIME OF RECORDING MUST BE NOTED AS WELL.
5. WATER METER READINGS TO BE REVIEWED BY ADVANCED ONSITE SOLUTIONS AND DESIGN ENGINEER OF RECORD ON AN ANNUAL BASIS.
6. IF THE WATER METER READINGS EXCEED SYSTEM DESIGN CAPACITY THE SYSTEM MAY NEED TO BE MODIFIED.
7. WASTEWATER GRAB SAMPLES TO BE TAKEN:
   SIX MONTHS AFTER START UP,
   TWELVE MONTHS AFTER START UP.
8. WASTEWATER GRAB SAMPLES TO BE TAKEN YEARLY AFTER THE FIRST YEAR.
9. REQUIRED MAINTENANCE BY OWNER:
   A.) SIGN SYSTEM MAINTENANCE AGREEMENT FOR THE CLEAN SOLUTION SYSTEM.
   B.) SEPTIC TANK(S) AND SETTLING TANK(S) TO BE PUMPED OUT ONCE PER YEAR. MORE FREQUENT PUMPING MAY BE REQUIRED DEPENDING ON USE.
   C.) GREASE TRAPS (IF UTLILIZED) TO BE PUMPED OUT EVERY THREE MONTHS. MOREFREQUENT PUMPING MAY BE REQUIRED DEPENDING ON USE.
   D.) BIOCON TANK(S) TO BE INSPECTED BY A CERTIFIED AOS TECHNICIAN. SEE MAINTENANCE CONTRACT FOR INSPECTION SCHEDULE.
   E.) OWNER SHALL KEEP ALL PUMPING RECORDS.
   F.) WASTEWATER SAMPLES WILL BE REQUIRED AT A MINIMUM OF ONCE PER YEAR. TESTING MAY BE REVISED AFTER FIRST FULL YEAR OF USE. COST OF SAMPLING/TESTING WILL BE PAID FOR BY THE OWNER.
   G.) FAILURE TO COMPLY WITH "A" - "F" ABOVE WILL VOID WARRANTY OF THE CLEAN SOLUTION SYSTEM AND AOS.

GENERAL NOTES:

1. CONTRACTOR TO GRADE SITE DURING CONSTRUCTION TO PREVENT SURFACE WATER FROM ENTERING THE EXCAVATION AND TO PREVENT SANDS, SILTS FROM ENTERING THE BIOCON AND SETTLING TANKS.
2. FINISH SITE GRADING TO BE COMPLETED TO DIVERT SURFACE WATER AWAY FROM TANK ACCESS COVERS AND COMPRESSOR ENCLOSURES.
3. CONTRACTOR TO CHECK THAT ALL ACCESS COVERS AND COMPRESSORS ENCLOSURES HAVE SECURED AND SEALED AFTER STATE AND OR LOCAL INSPECTIONS HAVE BEEN OBTAINED.
4. CONTRACTOR TO REVIEW AND FOLLOW INSTALLATION OF ALL EXTERIOR TANK SEALING REQUIREMENTS. SEE DETAIL SHEETS
5. ALL TANKS TO BE BACKFILLED WITH SAND OR BANK RUN GRAVEL WITH ROCKS LESS THAN 6" IN SIZE.
6. BACKFILL TO BE FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS AND LEDGE WASTE.
7. BACKFILL SHALL NOT BE FROZEN.
8. ON SITES WITH HIGH GROUND WATER CONTRACTOR TO DEWATER EXCAVATION BEFORE BACKFILLING TANKS.
9. CONTRACTOR TO CONTACT DESIGN ENGINEER OF RECORD WHEN GROUNDWATER IS ENCOUNTERED BEFORE PROCEEDING WITH SETTING THE TANKS.



TYPICAL TANK LAYOUT - TANKS ALWAYS SET SERIES



BIOCON TANK: NUMBER OF TANKS REQUIRED - 1

SEE APPROVED PLANS FOR TANK LAYOUT, INVERTS AND FINISH GRADES

SETTLING TANK: NUMBER OF TANKS REQUIRED - 1

SEE APPROVED PLANS FOR TANK LAYOUT, INVERTS AND FINISH GRADES

CAUTION
THIS IS A CONFINED SPACE
DO NOT ENTER WITHOUT
FOLLOWING OSHA CONFINED
SPACE ACCESS REGULATIONS

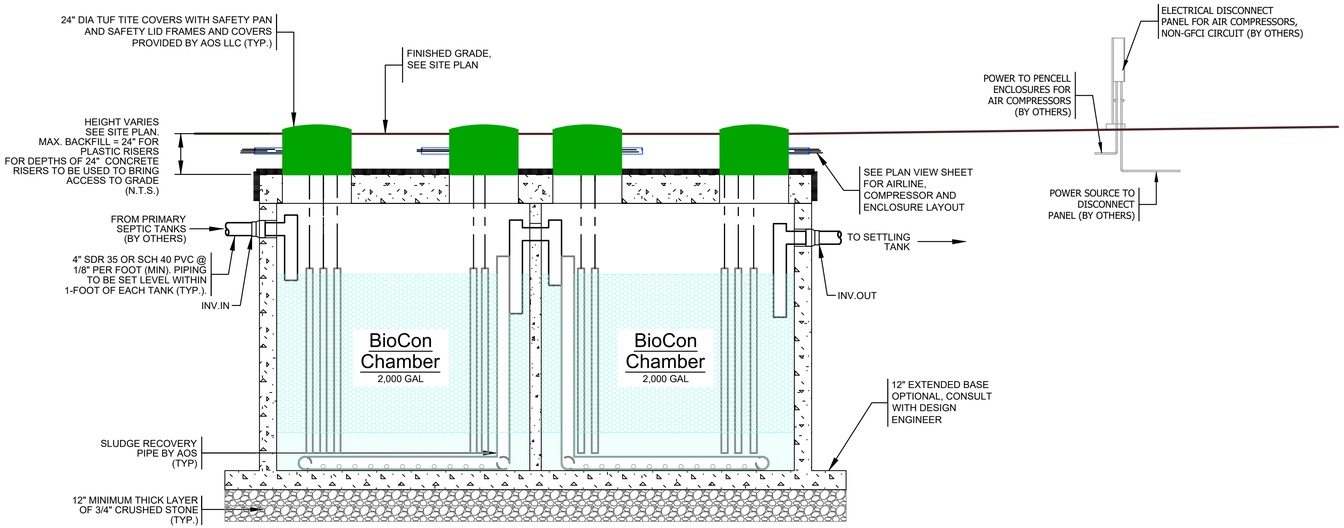
THE CLEAN SOLUTION MODEL No. RC-SAN3900
PROFILE VIEW
10 LEE ROAD LLC
BUILDINGS A & B / 26 BEDROOMS
Tax Map 8 Lot 9
10 LEE ROAD/NH RTE 155
MADBURY, NH

SCALE: NTS DATE: 6/30/2021
OWNER: 10 LEE ROAD, LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, NH 03840

AOS
Advanced Onsite Solutions, LLC
innovative onsite wastewater solutions with sustainable results
2 Whitney Road - Concord - NH
PO Box 248 - Canterbury - NH 03224
Phone (603) 369-4777 web: aosne.com

REV.	DATE		C/O	DR	CK
1	9/08//2021	updated details			

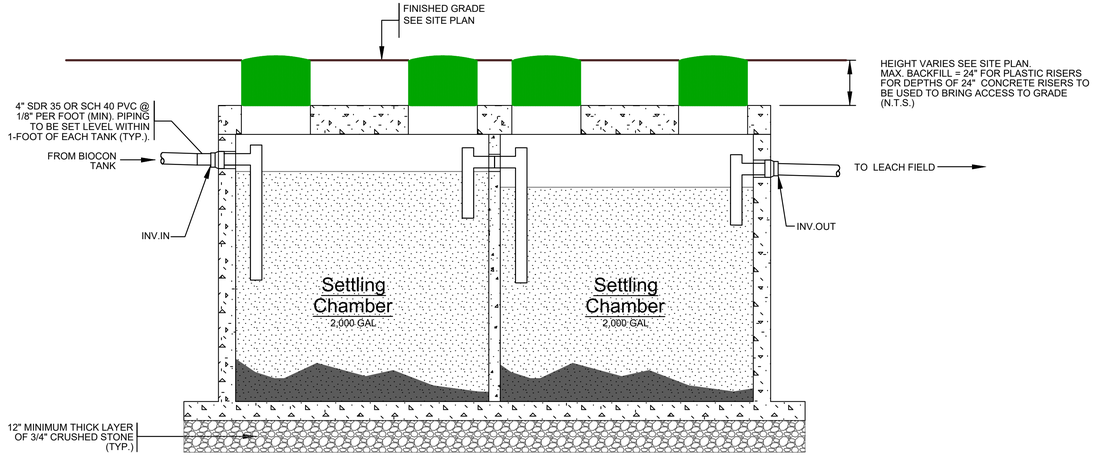
FILE SHEET 1 OF 2



PROFILE OF THE CLEAN SOLUTION BIOCON TANK (TYP.)

SCALE: N.T.S.

NUMBER OF TANKS REQUIRED - 1



PROFILE OF THE CLEAN SOLUTION SETTLING TANK (TYP.)

SCALE: N.T.S.

NUMBER OF TANKS REQUIRED - 1

ADVANCED ONSITE SOLUTIONS, LLC - GENERAL NOTES:

1. THE CLEAN SOLUTION SYSTEM™ IS PROVIDED BY ADVANCED ONSITE SOLUTIONS, LLC (AOS), CONCORD, NH.
2. THE CLEAN SOLUTION™ IS APPROVED BY STATE DEPARTMENT OF ENVIRONMENTAL SERVICES.
3. SEPTIC TANK(S), GREASE TRAP(S), PUMPSTATION, AND SUBSURFACE DISPOSAL FIELD(S) ARE PROVIDED AND INSTALLED BY THE CONTRACTOR.
4. CONTRACTOR TO FOLLOW SITE, UTILITY, GRADING AND SUBSURFACE WASTEWATER DESIGN PLANS PER DESIGN ENGINEER OF RECORD AND APPROVED BY STATE AND /OF LOCAL MUNICIPALITIES.
5. PRIOR TO CONSTRUCTION, SITE CONTRACTOR TO CONTACT AOS TO REVIEW THE SYSTEM INSTALLATION REQUIREMENTS AND REVIEW SITE CONDITIONS TO DISCUSS ANY CONSTRUCTION MODIFICATIONS THAT MAY BE NECESSARY.
6. ALL PIPING, INCLUDING VENT LINES, AND AIR LINE SLEEVES TO BE WATER TIGHT. ALL JOINTS TO BE SOLVENT WELDED.
7. ALL PIPES TO BE BEDDED IN CLASS 1A MATERIAL, MEETING ASTM D 2321 REQUIREMENTS.
8. IF GROUNDWATER IS ENCOUNTERED THE CONTRACTOR SHALL PROVIDE DEWATERING WHILE THE TANKS ARE BEING SET AND DURING THE DURATION OF THE TIME REQUIRED TO APPLY TANK SEAL.
9. INSTALLER SHALL FOLLOW THE CURRENT EDITION OF THE MANUFACTURER'S GUIDELINES TO PREPARE SITE FOR INSTALLATION OF THE CLEAN SOLUTION SYSTEM AND SHALL PROVIDE THE FOLLOWING:
   - A.) CONTRACTOR SHALL FOLLOW APPROVED DESIGN PLANS AND STATE/LOCAL SUBSURFACE SYSTEM RULES.
   - B.) CONTRACTOR TO SUPPLY NECESSARY SEPTIC TANK(S) AND GREASE TRAP(S) AS REQUIRED BY DESIGNER.
   - C.) EXCAVATION OF ALL TANKS, INCLUDING TANKS SUPPLIED BY AOS, TO GRADES ESTABLISHED BY DESIGNER.
   - D.) SETTING AND LEVELING OF ALL TANKS, INCLUDING TANKS SUPPLIED BY AOS.
   - E.) SERVICE CONNECTIONS FROM BUILDING TO SEPTIC TANK(S), SEPTIC TANK(S) TO BIOCON TANK(S), BIOCON TANK(S) TO SETTLING TANK(S), SETTLING TANK(S) TO DISPERSAL FIELD(S), OR PUMP CHAMBER TO DISPERSAL FIELD(S).
   - F.) CONTRACTOR SHALL EXCAVATE FOR ALL AIR LINE SLEEVES FROM COMPRESSOR HOUSING TO BIOCON TANK(S).
   - G.) CONTRACTOR TO WATER PLUG ALL INLET AND OUTLETS NOT USED.
   - H.) CONTRACTOR SHALL SET ALL RISERS TO GRADES ESTABLISHED BY DESIGNER. CONTRACTOR TO INSTALL ACCESS STACKS PER THE MANUFACTURER'S INSTALLATION GUIDELINES. CONTRACTOR TO ENSURE THAT GASKET MATERIAL IS IN PLACE PRIOR TO SECURING SECTIONS. ALL SCREW HOLES TO BE USED TO SECURE SECTIONS TO EACH OTHER.
   - I.) CONTRACTOR TO BUILD / MODIFY DISPERSAL FIELD AS REQUIRED BY DESIGNER.
   - J.) CONTRACTOR SHALL CALL STATE AND LOCAL BOARD (IF REQUIRED) FOR SYSTEM INSPECTION.
   - K.) CONTRACTOR TO PROVIDE OWNER WITH TIES FROM TWO FIXED POINTS TO ALL ACCESS COVERS.
   - L.) CONTRACTOR SHALL BACKFILL SYSTEM AFTER APPROVAL FOR OPERATION BY STATE AND/OR LOCAL BOARD(S), IF REQUIRED.
10. THE OWNER/CONTRACTOR SHALL PROVIDE THE FOLLOWING:
    - A.) OWNER/CONTRACTOR SHALL SUPPLY NECESSARY OUTLETS CAPABLE OF 5 AMP - 115 VOLTS FOR EACH COMPRESSOR. THE CIRCUIT PROVIDED SHALL NOT BE GFCI PROTECTED.
    - B.) COMPRESSOR HOUSING(S) TO BE SUPPLIED BY OWNER/CONTRACTOR, UNLESS OTHERWISE PROVIDED BY AOS.
    - C.) COMPRESSOR(S) LOCATION TO BE MUTUALLY DETERMINED BY OWNER/REPRESENTATIVE AND AOS.
    - D.) MAXIMUM DISTANCE FROM COMPRESSOR TO BIOCON TANK IS 50'.

TCS TANK SCHEDULE

BIOCON (TYP.):
TANK SIZE: 4,000 GALLON (2,000/2,000) TWO COMPARTMENT
TANK DIMENSIONS:
16'- 0"L x 7'-2"W x 8'-6"H
TANK RATING:
HEAVY DUTY LOAD
EST. WEIGHTS:
TOP = 12,050± LBS
RISER = 13,900± LBS
BOTTOM= 17,050± LBS

INV. IN = SEE APPROVED SITE PLAN
INV. OUT = SEE APPROVED SITE PLAN
HEIGHT IN = 69"
HEIGHT OUT = 66"

CHAMBER(S) BC-1 - BC-6
AIR DIFFUSER(S) NEEDED: 6 - 24"
COMPRESSOR(S) NEEDED: 6 TCS-450
CHAMBER - 2
AIR DIFFUSER(S) NEEDED: 6 - 24"
COMPRESSOR(S) NEEDED: 6 TCS-45 0

SETTLING (TYP.):
TANK SIZE: 4,000 GALLON (2,000/2,000) TWO COMPARTMENT
TANK DIMENSIONS:
16'- 0"L x 8'-6"W x 7'-2"H
TANK RATING:
HEAVY DUTY LOAD
EST. WEIGHTS:
TOP = 12,050± LBS
RISER = 13,900± LBS
BOTTOM= 17,050± LBS

INV. IN = SEE APPROVED SITE PLAN
INV. OUT = SEE APPROVED SITE PLAN
HEIGHT IN = 69"
HEIGHT OUT = 66"

NOTES:

1.) ALL TANK DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLING SYSTEM.
2.) SYSTEM DESIGNIER/ENGINEER OF RECORD TO VERIFY A LL INVERT ELEVATIONS AND FINISH GRADES.
3.) INVERT ELEVATIONS BASED ON INFORMATION PROVIDED BY SYSTEM DESIGNER/ENGINEER OF RECORD. CONTRACTOR TO FOLLOW APPROVED PLANS FOR SITE GRADING.
4.) IF A CRANE IS NECESSARY TO SET TANKS, CRANE TO BE PROVIDED BY CONTRACTOR.
5.) ALL PIPING TO BE SEALED TO PREVENT GROUND WATER INFILTRATION. ALL PIPE JOINTS MUST BE EITHER SOLVENT WELDED OR GASKETED

CAUTION
THIS IS A CONFINED SPACE
DO NOT ENTER WITHOUT
FOLLOWING OSHA CONFINED
SPACE ACCESS REGULATIONS

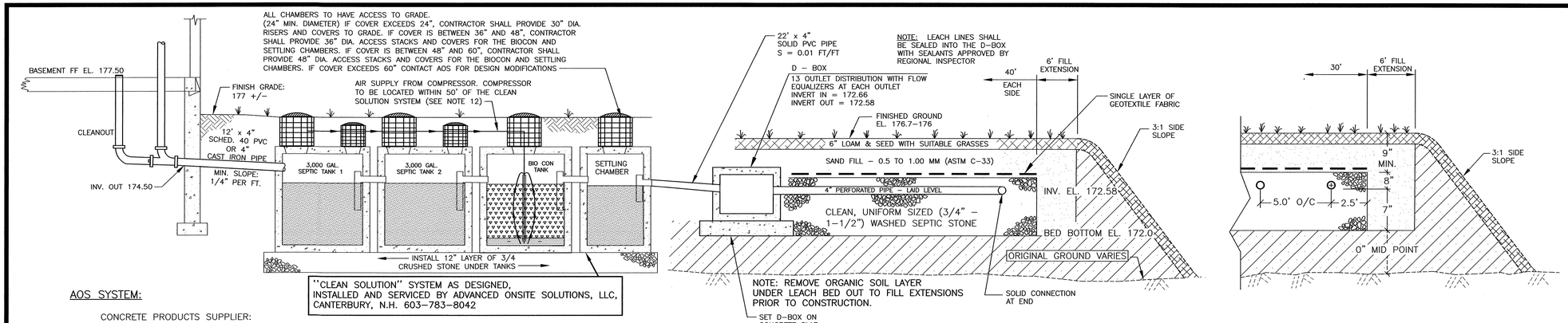
THE CLEAN SOLUTION MODEL No. RC-SAN3900
PROFILE VIEW
10 LEE ROAD LLC
BUILDINGS A & B / 26 BEDROOMS
Tax Map 8 Lot 9
10 LEE ROAD/NH RTE 155
MADBURY, NH

SCALE: NTS DATE: 6/30/2021
OWNER: 10 LEE ROAD, LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, NH 03840

AOS
Advanced Onsite Solutions, LLC
innovative onsite wastewater solutions with sustainable results
2 Whitney Road - Concord - NH
PO Box 248 - Canterbury - NH 03224
Phone (603) 369-4777 web: aosne.com

REV.	DATE		C/O	DR	CK
1	9/08//2021	updated details			

FILE SHEET 2 OF 2



COLLECTION SYSTEM PROFILE

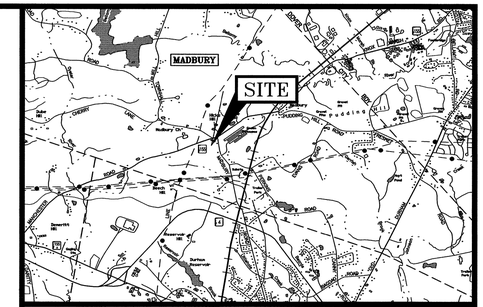
NTS

LEACH FIELD PROFILE

NTS

LEACH FIELD SECTION

NTS



LOCATION MAP 1" = 2,000'

AOS SYSTEM:

CONCRETE PRODUCTS SUPPLIER:
PHOENIX PRECAST PRODUCTS
1-800 (639)-2199
ALL TANKS H20 LOADING

SEPTIC TANK PRODUCTS:

SHEA CONCRETE
603-942-5668
ALL TANKS H20 LOADING

LEGEND:

100	EXISTING CONTOUR
100	PROPOSED CONTOUR
TP	TEST PIT
PT	PERC TEST
ST	SEPTIC TANK
FF	FINISH FLOOR
INV.	INVERT
MIN.	MINIMUM
FD	FOUNDATION DRAIN

MINIMUM DISTANCES:

(UNLESS OTHERWISE GOVERNED BY LOCAL CODE)

SURFACE WATER TO:
TANK 75' - FIELD 75'
PRIVATE WELL TO:
TANK 75' - FIELD 75'
PRESSURE WATER LINE TO:
TANK 10' - FIELD 25'
SUCTION WATER LINE TO:
TANK 50' - FIELD 50'
PROPERTY LINE TO:
TANK 10' - FIELD 10'

TANK NOTES:
1) SETTLING TANKS MUST BE PUMPED EVERY 2-1/2 YEARS.
2) TANKS TO BE H20 RATED.
3) PLASTIC TUFF-TITE RISERS TO BE CAST IN.

DESIGN INTENT:
THE PURPOSE OF THIS DESIGN IS TO MAINTAIN 4' ABOVE SEASONAL HIGH WATER TABLE & 4' ABOVE LEDGE OR ANY IMPERMEABLE SUBSTRATUM BY CONSTRUCTING THE LEACH BED BOTTOM AT ELEVATION 172.0 WHICH IS 12" BELOW EXISTING GROUND AT THE HIGHEST POINT. (HP 173.0-171.0-50% RULE)

SEPTIC STRUCTURE TABLE

STRUCTURE	RIM ELEV.	INV. ELEV. IN / INV. ELEV. OUT	FROM/TO
SEPTIC TANK 1	175.9	174.25	FROM BUILDING
		174.0	TO SEPTIC TANK 1
SEPTIC TANK 2	175.8	173.90	FROM SEPTIC TANK 1
		173.65	TO SEPTIC TANK 2
BIO CON TANK	175.8	173.55	FROM SEPTIC TANK 2
		173.30	TO BIO CON TANK
SETTLING TANK	176.2	173.15	FROM BIO CON TANK
		172.90	TO D BOX - 4" PVC

TEST PIT 6, ELEV.

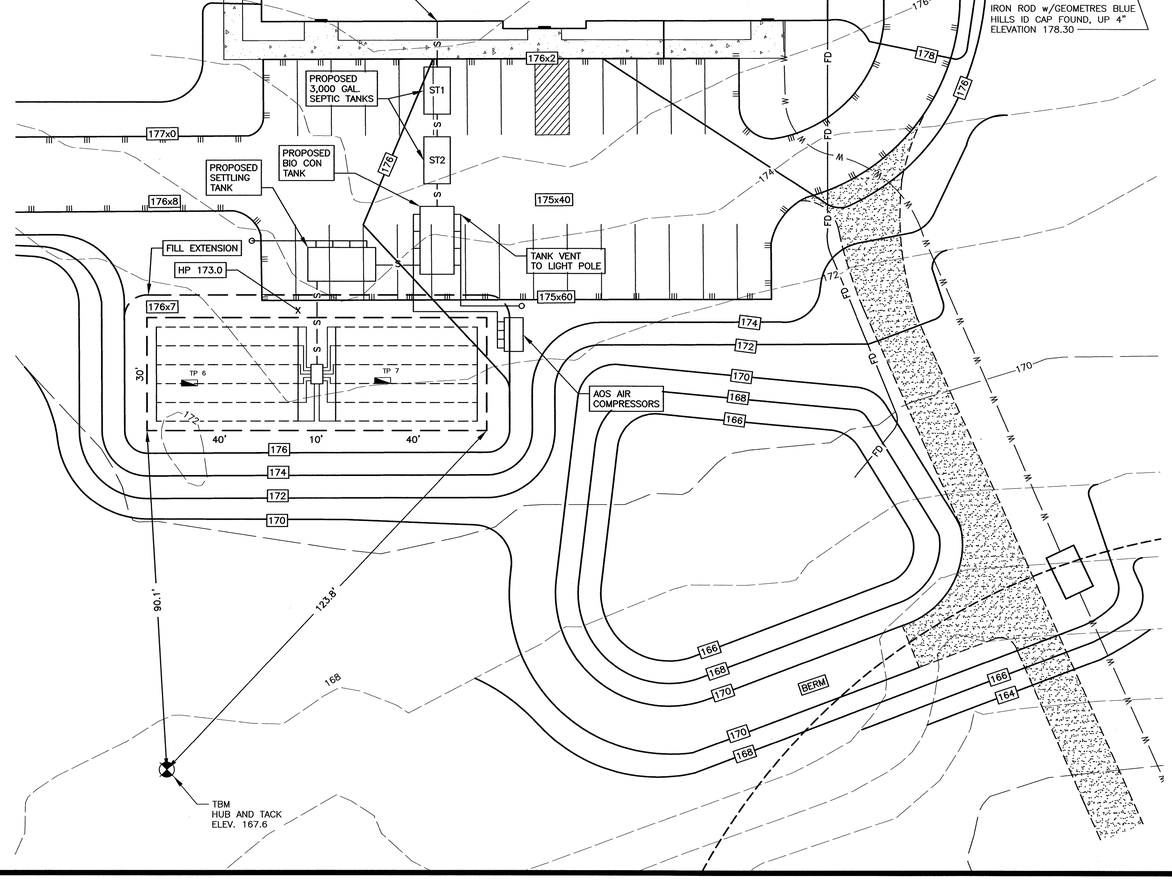
Date:	6/16/21
Logged by:	STEVEN RIKER
Witnessed by:	MICHAEL CUOMO
ESHWT:	52"
Observed Water:	NONE
Restrictive layer:	NONE
REFUSAL:	NONE TO 72"
Percolation rate:	8 mins./inch
Roots:	24"

DEPTH	DESCRIPTION
0" - 3"	10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
3" - 10"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE
10" - 25"	10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
25" - 52"	2.5YR 5/4 COARSE SAND, SINGLE GRAIN, LOOSE
52" - 72"	2.5YR 5/6 COARSE SAND, SINGLE GRAIN, LOOSE

TEST PIT 7, ELEV.

Date:	6/16/21
Logged by:	STEVEN RIKER
Witnessed by:	MICHAEL CUOMO
ESHWT:	76"
Observed Water:	NONE
Restrictive layer:	NONE
REFUSAL:	NONE TO 84"
Percolation rate:	8 mins./inch
Roots:	26"

DEPTH	DESCRIPTION
0" - 3"	10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE (FILL)
3" - 17"	10YR 4/4 FINE SANDY LOAM, GRANULAR, FRIABLE (FILL)
17" - 29"	10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
29" - 76"	10YR 4/4 GRAVELLY COARSE SAND, SINGLE GRAIN, LOOSE
76" - 84"	2.5YR 5/4 GRAVELLY COARSE SAND, SINGLE GRAIN, LOOSE



GRAPHIC SCALE

10 0 20 40 60 80 FEET
5 0 5 10 15 20 25 METERS

NOTES:

1) PROPOSED FLOW: PROPOSED (12) 3 BEDROOM APARTMENTS, 3 X 150 X 12 = 5400 GPD
2) PROPOSED FIELD SIZE: AT 8 MINUTE PERC.
CONVENTIONAL EFFLUENT DISPOSAL AREA: 9,180 S.F.
ADVANCED ON SITE REQUIRED LEACHFIELD: 25% X 9,180 = 2,295 S.F.
30' X 80' = 2,400 S.F. PROVIDED
3) THIS PLAN IS PREPARED FOR SEPTIC SYSTEM DESIGN ONLY, IT IS NOT A BOUNDARY SURVEY.
4) FOUNDATION DRAINS: SEE PLAN LOCATION
5) PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS SHOWN ON FIRM PANEL 330170320E, EFFECTIVE SEPTEMBER 30, 2015.
6) ANY CHANGES TO THE SPECIFICATIONS SHOWN HEREON SHALL BE SUBMITTED TO THE DESIGNER, IN WRITING, FOR APPROVAL PRIOR TO ANY CONSTRUCTION ON SAID CHANGES.
7) IN THE EVENT OF SYSTEM FAILURE: REBUILD IN PLACE.
8) WATER SUPPLY: WELL ON LOT
9) THE OWNER IS RESPONSIBLE TO OPERATE THIS SYSTEM WITHIN ITS DESIGN CAPACITY. THE AVERAGE DAILY FLOW TO THE LEACHFIELD SHOULD BE NO MORE THAN 1/2 ITS APPROVED DESIGN CAPACITY. FOR SUCCESSFUL OPERATION OF DISPOSAL SYSTEM, MAINTENANCE IS REQUIRED.
   - HAVE SEPTIC TANK (1ST CHAMBER) PUMPED AS REQUIRED (2 YEAR MAXIMUM).
   - DO NOT DISPOSE BULKY WASTES, TOXIC MATERIALS, OR OIL INTO SYSTEM.
   - DO NOT DISPOSE GREASE INTO THE SYSTEM. CLEAN SEPTIC TANK FILTER WHEN PUMPING TANK.
   - DO NOT ALLOW VEHICLES OR LIVESTOCK ONTO SYSTEM UNLESS SPECIFICALLY DESIGNED FOR SUCH LOADS.
   - DO NOT USE COLORED TOILET PAPER.
   - CONSULT THE SYSTEM DESIGNER PRIOR TO PLACING ANY ADDITIONAL LOADING ON THE SYSTEM, SUCH AS: KITCHEN GARBAGE GRINDERS, HOT TUBS, WHIRLPOOLS, OR BACKWASH SYSTEMS.
10) THIS SEPTIC SYSTEM SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A NHDES LICENSED INSTALLER. INSTALLER IS RESPONSIBLE FOR PLACING THE LEACH FIELD IN LOCATION SHOWN ON THIS PLAN, USING TIES PROVIDED. ANY DISCREPANCY BETWEEN THESE PLANS AND THE APPARENT FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION. SYSTEM MUST BE INSPECTED AND APPROVED BY NH-DES PRIOR TO BACKFILLING.
11) CONSTRUCTION APPROVAL FOR THIS SYSTEM SHALL EXPIRE 4 YEARS FROM DATE OF ISSUE.
12) FOR EASE OF INSPECTION AND MAINTENANCE, THIS DESIGN SHOWS AN OUTDOOR COMPRESSOR ENCLOSURE UNIT.

SOIL TYPE: CHARLTON FINE SANDY LOAM

BENCHMARK: IRON ROD w/GEOMETRES BLUE HILLS ID CAP FOUND, UP 4" (SEE PLAN) ELEV. 178.30 NAVD 88 PER GPS

DISTANCE TO NEAREST SURFACE WATER: GREATER THAN 100 FT.

DIRECTIONS TO SITE

FROM PORTSMOUTH TRAFFIC CIRCLE AND ROUTE 16 NORTHBOUND, TAKE EXIT 8W SOUTHBOUND ON ROUTE 155. IN THREE MILES THE PROPERTY IS ON THE LEFT HAND SIDE IMMEDIATELY AFTER PASSING MADBURY ROAD.

TAX MAP 8 LOT 9 - BUILDING C
SEPTIC FIELD #2
SUBSURFACE DISPOSAL SYSTEM PLAN
10 LEE ROAD MADBURY, N.H.

REGISTRY: STRAFFORD

BOOK / PAGE: 4509 / 0036

NHDES SUBDIVISION APPROVAL NO.: NOT AVAILABLE 1975 ESTIMATED

NHDES SYSTEM APPROVAL NO.: PENDING

OWNER: 10 LEE ROAD LLC.
1 BAYSIDE ROAD; BOX 4
GREENLAND, N.H. 03840

APPLICANT:

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

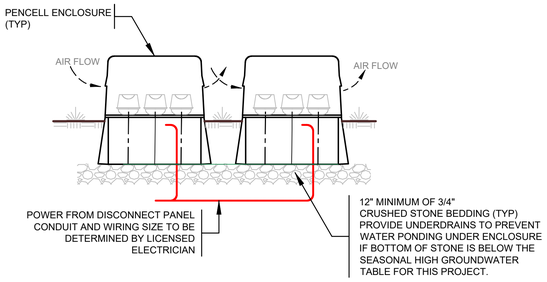
NEW HAMPSHIRE Designer of Subsurface Disposal Systems John A. Chagnon No. 785 Department of Environmental Services

SPACE RESERVED FOR N.H.D.E.S.

SCALE: 1"=20'

REV. 10/7/21
JULY 2021

FB 318 PG 20 JOB 3142



NOTES:
1. TOTAL OF 2 PENCELL ENCLOSURES REQUIRED WITH 3 COMPRESSORS PER ENCLOSURE. TOTAL NUMBER OF TCS450 COMPRESSORS REQUIRED IS 6.
2. SEE COMPRESSURE ENCLOSURE NOTES FOR ADDTIONAL INFORMATION

ENCLOSURE(S) PROVIDED BY AOS

1. AOS COMPRESSOR ENCLOSURE MODEL NO. - ENC450
2. NUMBER OF COMPRESSOR ENCLOSURES REQUIRED - 2
   AOS COMPRESSOR MODEL NO. - TCS450
4. NUMBER OF COMPRESSOR PER ENCLOSURE - SEE PLAN
5. MAXIMUM LENGTH OF AIRLINE FROM CENTER OF BIOCON ACCESS OPENING AND COMPRESSOR LOCATION IS 50'
6. ELECTRICAL POWER FOR AIR COMPRESSORS TO BE PROVIDED BY OTHERS.
7. NUMBER OF CIRCUITS REQUIRED 4 - 115 VOLT, 20 AMP NON-GFCI CIRCUITS. COMPRESSORS. FOR ALL PHASES
8. PROVIDE A DISCONNECT PANEL IN THE COMPRESSOR ENCLOSURE OR WITHIN 50'. PROVIDE UNOBSTRUCTED ACCESS TO THE DISCONNECT.
9. COMPRESSOR ENCLOSURES TO BE SET BY SITE CONTRACTOR.

COMPRESSOR ENCLOSURE NOTES:

1. ENCLOSURE TO BE PROVIDED BY OWNER. ENCLOSURE TO BE VENTED AND HAVE THERMOSTAT CONTROLLED EXHAUST FANS TO ALLOW EXCHANGE OF FRESH AIR. COMPRESSORS TO BE LOCATED ABOVE FLOOD ELEVATION. ENCLOSURE TO HOUSE 10 - TCS-450 COMPRESSORS.
2. ENCLOSURE TO HAVE PASSIVE VENTS LOCATED BELOW AND ABOVE COMPRESSORS.
3. COMPRESSOR SHELVES TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO MEET WITH AOS TO LAYOUT LOCATION AND SIZE.
4. ELECTRIAL POWER FOR AIR COMPRESSORS TO BE PROVIDED BY OTHERS. REQUIRES 5 - 115 VOLT, 20 AMP NON-GFI CIRCUITS COMPRESSORS TO BE HARD WIRED.
5. PROVIDE A DISCONNECT PANEL IN THE COMPRESSOR ENCLOSURE. PROVIDE UNOBSTRUCTED ACCESS TO THE DISCONNECT.
6. PROVIDE UTILITY OUTLET AND UTILITY LIGHT IN ENCLOSURE.

AIR COMPRESSOR ENCLOSURES DETAIL

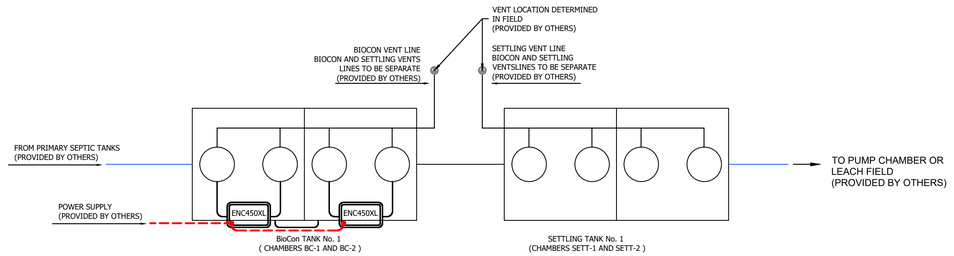
SCALE: N.T.S.

SYSTEM DESIGN NOTES:

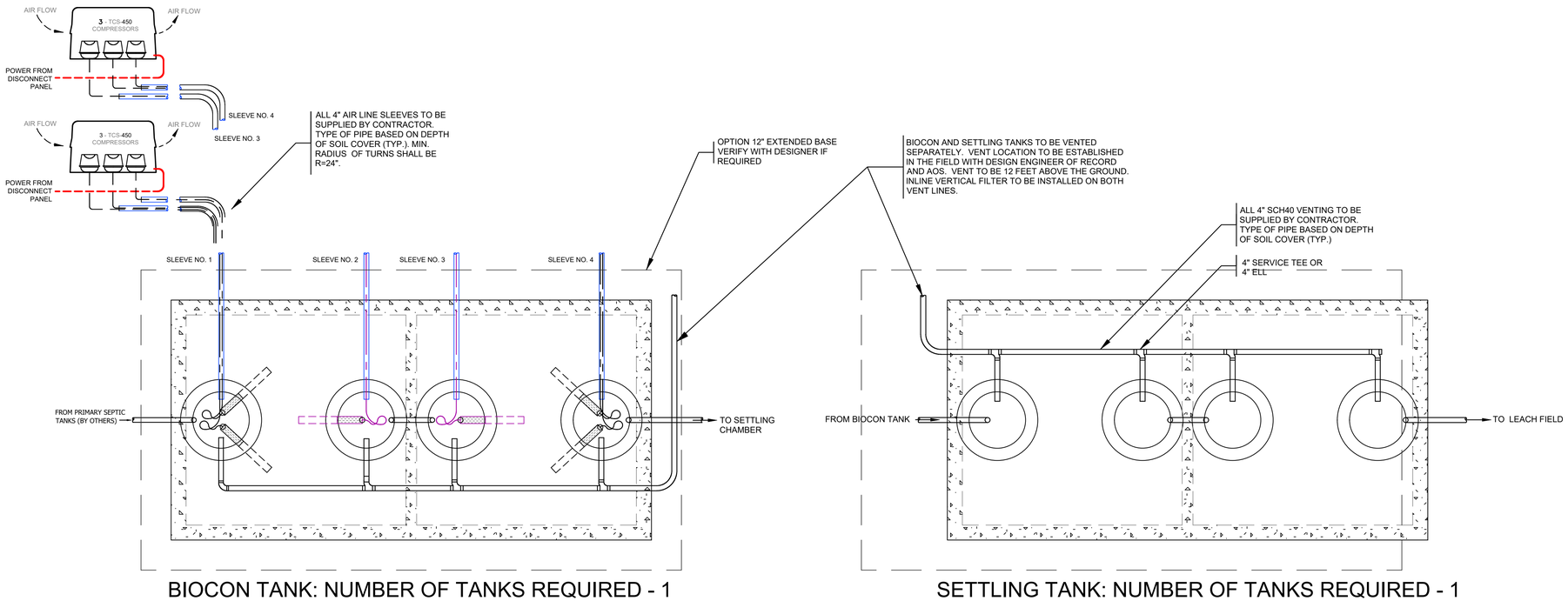
1. THE CLEAN SOLUTION SYSTEM COMPONENTS HAVE BEEN DESIGNED BASED ON A PEAK DESIGN FLOW OF 5,400 GPD, WITH AN AVERAGE 30-DAY FLOW OF 2,700 GPD BASED ON WATER METER READINGS. FOR PROJECT BUILD OUT
2. THE CLEAN SOLUTION SYSTEM IS DESIGNED BASED ON WASTEWATER ESTIMATED STRENGTH AND PROPOSED DESIGN FLOW
   BOD5 = < 200 mg/l
   TSS = < 150 mg/l
   O&G = < 25 mg/l (O&G BASED ON INCREASE IN GREASE TRAP SIZE AND MORE FREQUENT PUMPING)
3. OWNER TO RECORD MONTHLY WATER METER READINGS. READINGS TO BE PROVIDED TO ADVANCED ONSITE SOLUTIONS AND DESIGN ENGINEER OF RECORD FOR 12 MONTHS.
4. WATER METER READINGS TO BE RECORDED AT THE SAME TIME EACH MONTH. DATE AND TIME OF RECORDING MUST BE NOTED AS WELL.
5. WATER METER READINGS TO BE REVIEWED BY ADVANCED ONSITE SOLUTIONS AND DESIGN ENGINEER OF RECORD ON AN ANNUAL BASIS.
6. IF THE WATER METER READINGS EXCEED SYSTEM DESIGN CAPACITY THE SYSTEM MAY NEED TO BE MODIFIED.
7. WASTEWATER GRAB SAMPLES TO BE TAKEN:
   SIX MONTHS AFTER START UP,
   TWELVE MONTHS AFTER START UP.
8. WASTEWATER GRAB SAMPLES TO BE TAKEN YEARLY AFTER THE FIRST YEAR.
9. REQUIRED MAINTENANCE BY OWNER:
   A.) SIGN SYSTEM MAINTENANCE AGREEMENT FOR THE CLEAN SOLUTION SYSTEM.
   B.) SEPTIC TANK(S) AND SETTLING TANK(S) TO BE PUMPED OUT ONCE PER YEAR. MORE FREQUENT PUMPING MAY BE REQUIRED DEPENDING ON USE.
   C.) GREASE TRAPS (IF UTLILIZED) TO BE PUMPED OUT EVERY THREE MONTHS. MOREFREQUENT PUMPING MAY BE REQUIRED DEPENDING ON USE.
   D.) BIOCON TANK(S) TO BE INSPECTED BY A CERTIFIED AOS TECHNICIAN. SEE MAINTENANCE CONTRACT FOR INSPECTION SCHEDULE.
   E.) OWNER SHALL KEEP ALL PUMPING RECORDS.
   F.) WASTEWATER SAMPLES WILL BE REQUIRED AT A MINIMUM OF ONCE PER YEAR. TESTING MAY BE REVISED AFTER FIRST FULL YEAR OF USE. COST OF SAMPLING/TESTING WILL BE PAID FOR BY THE OWNER.
   G.) FAILURE TO COMPLY WITH "A" - "F" ABOVE WILL VOID WARRANTY OF THE CLEAN SOLUTION SYSTEM AND AOS.

GENERAL NOTES:

1. CONTRACTOR TO GRADE SITE DURING CONSTRUCTION TO PREVENT SURFACE WATER FROM ENTERING THE EXCAVATION AND TO PREVENT SANDS, SILTS FROM ENTERING THE BIOCON AND SETTLING TANKS.
2. FINISH SITE GRADING TO BE COMPLETED TO DIVERT SURFACE WATER AWAY FROM TANK ACCESS COVERS AND COMPRESSOR ENCLOSURES.
3. CONTRACTOR TO CHECK THAT ALL ACCESS COVERS AND COMPRESSORS ENCLOSURES HAVE SECURED AND SEALED AFTER STATE AND OR LOCAL INSPECTIONS HAVE BEEN OBTAINED.
4. CONTRACTOR TO REVIEW AND FOLLOW INSTALLATION OF ALL EXTERIOR TANK SEALING REQUIREMENTS. SEE DETAIL SHEETS
5. ALL TANKS TO BE BACKFILLED WITH SAND OR BANK RUN GRAVEL WITH ROCKS LESS THAN 6" IN SIZE.
6. BACKFILL TO BE FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS AND LEDGE WASTE.
7. BACKFILL SHALL NOT BE FROZEN.
8. ON SITES WITH HIGH GROUND WATER CONTRACTOR TO DEWATER EXCAVATION BEFORE BACKFILLING TANKS.
9. CONTRACTOR TO CONTACT DESIGN ENGINEER OF RECORD WHEN GROUNDWATER IS ENCOUNTERED BEFORE PROCEEDING WITH SETTING THE TANKS.



TYPICAL TANK LAYOUT - TANKS ALWAYS SET SERIES



BIOCON TANK: NUMBER OF TANKS REQUIRED - 1

SEE APPROVED PLANS FOR TANK LAYOUT, INVERTS AND FINISH GRADES

SETTLING TANK: NUMBER OF TANKS REQUIRED - 1

SEE APPROVED PLANS FOR TANK LAYOUT, INVERTS AND FINISH GRADES

CAUTION
THIS IS A CONFINED SPACE
DO NOT ENTER WITHOUT
FOLLOWING OSHA CONFINED
SPACE ACCESS REGULATIONS

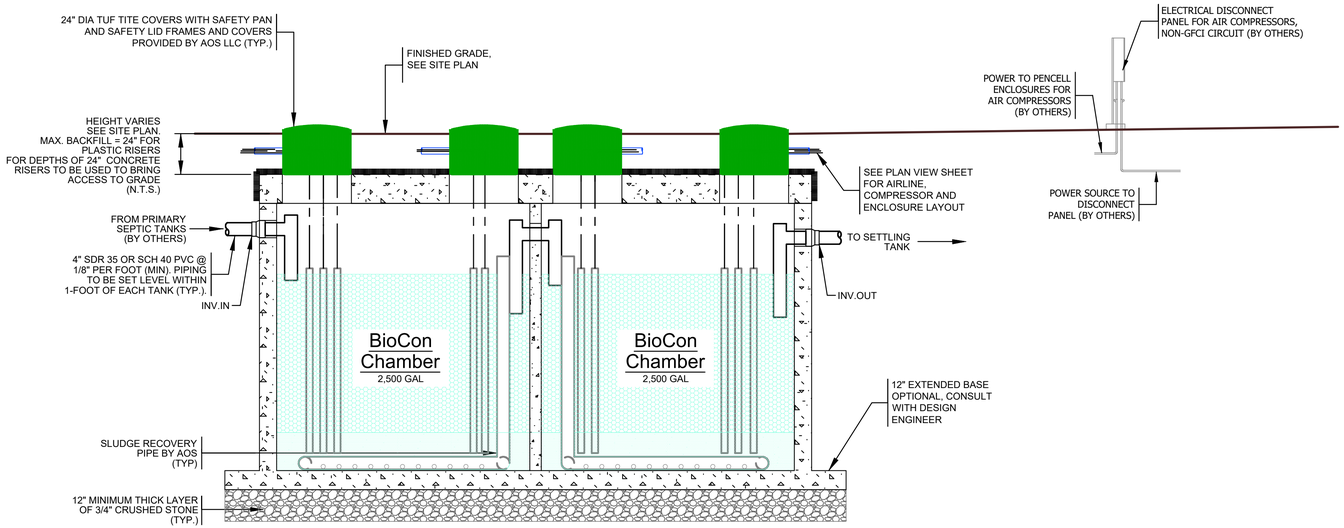
THE CLEAN SOLUTION MODEL No. RC-SAN5400
PROFILE VIEW
10 LEE ROAD LLC
BUILDING C - 36 BEDROOMS
Tax Map 8 Lot 9
10 LEE ROAD/NH RTE 155
MADBURY, NH

SCALE: NTS DATE: 6/30/2021
OWNER: 10 LEE ROAD, LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, NH 03840

AOS
Advanced Onsite Solutions, LLC
innovative onsite wastewater solutions with sustainable results
2 Whitney Road - Concord - NH
PO Box 248 - Canterbury - NH 03224
Phone (603) 369-4777 web: aosne.com

REV.	DATE		C/O	DR	CK
1	09/08/2021	updated details			

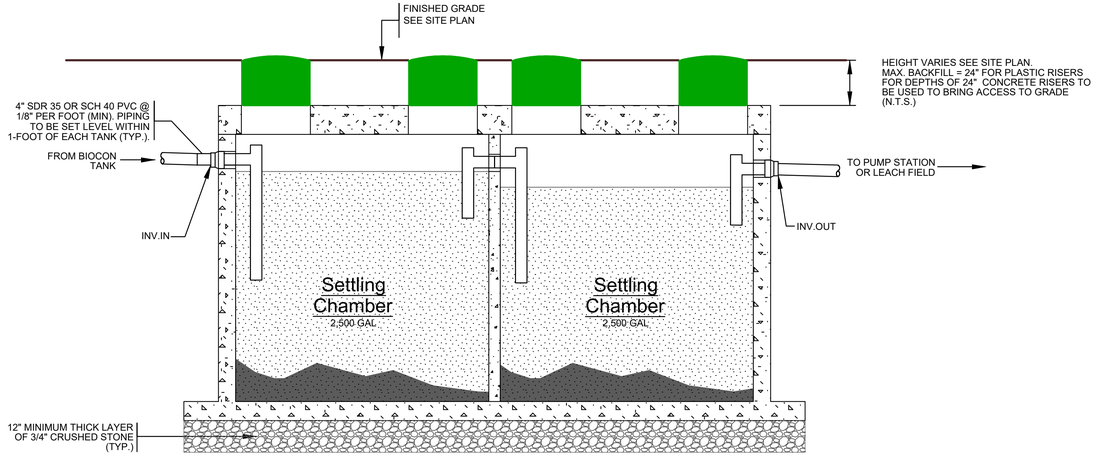
FILE SHEET 1 OF 2



PROFILE OF THE CLEAN SOLUTION BIOCON TANK (TYP.)

SCALE: N.T.S.

NUMBER OF TANKS REQUIRED - 1



PROFILE OF THE CLEAN SOLUTION SETTLING TANK (TYP.)

SCALE: N.T.S.

NUMBER OF TANKS REQUIRED - 1

ADVANCED ONSITE SOLUTIONS, LLC - GENERAL NOTES:

1. THE CLEAN SOLUTION SYSTEM™ IS PROVIDED BY ADVANCED ONSITE SOLUTIONS, LLC (AOS), CONCORD, NH.
2. THE CLEAN SOLUTION™ IS APPROVED BY STATE DEPARTMENT OF ENVIRONMENTAL SERVICES.
3. SEPTIC TANK(S), GREASE TRAP(S), PUMPSTATION, AND SUBSURFACE DISPOSAL FIELD(S) ARE PROVIDED AND INSTALLED BY THE CONTRACTOR.
4. CONTRACTOR TO FOLLOW SITE, UTILITY, GRADING AND SUBSURFACE WASTEWATER DESIGN PLANS PER DESIGN ENGINEER OF RECORD AND APPROVED BY STATE AND /OF LOCAL MUNICIPALITIES.
5. PRIOR TO CONSTRUCTION, SITE CONTRACTOR TO CONTACT AOS TO REVIEW THE SYSTEM INSTALLATION REQUIREMENTS AND REVIEW SITE CONDITIONS TO DISCUSS ANY CONSTRUCTION MODIFICATIONS THAT MAY BE NECESSARY.
6. ALL PIPING, INCLUDING VENT LINES, AND AIR LINE SLEEVES TO BE WATER TIGHT. ALL JOINTS TO BE SOLVENT WELDED.
7. ALL PIPES TO BE BEDDED IN CLASS 1A MATERIAL, MEETING ASTM D 2321 REQUIREMENTS.
8. IF GROUNDWATER IS ENCOUNTERED THE CONTRACTOR SHALL PROVIDE DEWATERING WHILE THE TANKS ARE BEING SET AND DURING THE DURATION OF THE TIME REQUIRED TO APPLY TANK SEAL.
9. INSTALLER SHALL FOLLOW THE CURRENT EDITION OF THE MANUFACTURER'S GUIDELINES TO PREPARE SITE FOR INSTALLATION OF THE CLEAN SOLUTION SYSTEM AND SHALL PROVIDE THE FOLLOWING:
   - A.) CONTRACTOR SHALL FOLLOW APPROVED DESIGN PLANS AND STATE/LOCAL SUBSURFACE SYSTEM RULES.
   - B.) CONTRACTOR TO SUPPLY NECESSARY SEPTIC TANK(S) AND GREASE TRAP(S) AS REQUIRED BY DESIGNER.
   - C.) EXCAVATION OF ALL TANKS, INCLUDING TANKS SUPPLIED BY AOS, TO GRADES ESTABLISHED BY DESIGNER.
   - D.) SETTING AND LEVELING OF ALL TANKS, INCLUDING TANKS SUPPLIED BY AOS.
   - E.) SERVICE CONNECTIONS FROM BUILDING TO SEPTIC TANK(S), SEPTIC TANK(S) TO BIOCON TANK(S), BIOCON TANK(S) TO SETTLING TANK(S), SETTLING TANK(S) TO DISPERSAL FIELD(S), OR PUMP CHAMBER TO DISPERSAL FIELD(S).
   - F.) CONTRACTOR SHALL EXCAVATE FOR ALL AIR LINE SLEEVES FROM COMPRESSOR HOUSING TO BIOCON TANK(S).
   - G.) CONTRACTOR TO WATER PLUG ALL INLET AND OUTLETS NOT USED.
   - H.) CONTRACTOR SHALL SET ALL RISERS TO GRADES ESTABLISHED BY DESIGNER. CONTRACTOR TO INSTALL ACCESS STACKS PER THE MANUFACTURER'S INSTALLATION GUIDELINES. CONTRACTOR TO ENSURE THAT GASKET MATERIAL IS IN PLACE PRIOR TO SECURING SECTIONS. ALL SCREW HOLES TO BE USED TO SECURE SECTIONS TO EACH OTHER.
   - I.) CONTRACTOR TO BUILD / MODIFY DISPERSAL FIELD AS REQUIRED BY DESIGNER.
   - J.) CONTRACTOR SHALL CALL STATE AND LOCAL BOARD (IF REQUIRED) FOR SYSTEM INSPECTION.
   - K.) CONTRACTOR TO PROVIDE OWNER WITH TIES FROM TWO FIXED POINTS TO ALL ACCESS COVERS.
   - L.) CONTRACTOR SHALL BACKFILL SYSTEM AFTER APPROVAL FOR OPERATION BY STATE AND/OR LOCAL BOARD(S), IF REQUIRED.
10. THE OWNER/CONTRACTOR SHALL PROVIDE THE FOLLOWING:
    - A.) OWNER/CONTRACTOR SHALL SUPPLY NECESSARY OUTLETS CAPABLE OF 5 AMP - 115 VOLTS FOR EACH COMPRESSOR. THE CIRCUIT PROVIDED SHALL NOT BE GFCI PROTECTED.
    - B.) COMPRESSOR HOUSING(S) TO BE SUPPLIED BY OWNER/CONTRACTOR, UNLESS OTHERWISE PROVIDED BY AOS.
    - C.) COMPRESSOR(S) LOCATION TO BE MUTUALLY DETERMINED BY OWNER/REPRESENTATIVE AND AOS.
    - D.) MAXIMUM DISTANCE FROM COMPRESSOR TO BIOCON TANK IS 50'.

TCS TANK SCHEDULE

BIOCON (TYP.):
TANK SIZE: 5,000 GALLON (2,500/2,500) TWO COMPARTMENT
TANK DIMENSIONS:
17'- 6"L x 7'-2"W x 9'-0"H
TANK RATING:
H-20 LOAD
EST. WEIGHTS:
TOP = 14,350± LBS
RISER = 15,100± LBS
BOTTOM= 19,250± LBS

INV. IN = SEE APPROVED SITE PLAN
INV. OUT = SEE APPROVED SITE PLAN
HEIGHT IN = 69"
HEIGHT OUT = 66"

CHAMBER(S) BC-1 - BC-6
AIR DIFFUSER(S) NEEDED: 6 - 24"
COMPRESSOR(S) NEEDED: 6 TCS-450
CHAMBER - 2
AIR DIFFUSER(S) NEEDED: 6 - 24"
COMPRESSOR(S) NEEDED: 6 TCS-45 0

SETTLING (TYP.):
TANK SIZE: 5,000 GALLON (2,500/2,500) TWO COMPARTMENT
TANK DIMENSIONS:
17'- 6"L x 9'-0"W x 7'-2"H
TANK RATING:
H-20 LOAD
EST. WEIGHTS:
TOP = 14,350± LBS
RISER = 15,100± LBS
BOTTOM= 19,250± LBS

INV. IN = SEE APPROVED SITE PLAN
INV. OUT = SEE APPROVED SITE PLAN
HEIGHT IN = 69"
HEIGHT OUT = 66"

NOTES:

1.) ALL TANK DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLING SYSTEM.
2.) SYSTEM DESIGNIER/ENGINEER OF RECORD TO VERIFY A LL INVERT ELEVATIONS AND FINISH GRADES.
3.) INVERT ELEVATIONS BASED ON INFORMATION PROVIDED BY SYSTEM DESIGNER/ENGINEER OF RECORD. CONTRACTOR TO FOLLOW APPROVED PLANS FOR SITE GRADING.
4.) IF A CRANE IS NECESSARY TO SET TANKS, CRANE TO BE PROVIDED BY CONTRACTOR.
5.) ALL PIPING TO BE SEALED TO PREVENT GROUND WATER INFILTRATION. ALL PIPE JOINTS MUST BE EITHER SOLVENT WELDED OR GASKETED

CAUTION
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FOLLOWING OSHA CONFINED
SPACE ACCESS REGULATIONS

THE CLEAN SOLUTION MODEL No. RC-SAN5400
PROFILE VIEW
10 LEE ROAD LLC
BUILDING C 36 BEDROOMS
Tax Map 8 Lot 9
10 LEE ROAD/NH RTE 155
MADBURY, NH

SCALE: NTS DATE: 6/30/2021
OWNER: 10 LEE ROAD, LLC
1 BAYSIDE ROAD, BOX 4
GREENLAND, NH 03840

AOS
Advanced Onsite Solutions, LLC
innovative onsite wastewater solutions with sustainable results
2 Whitney Road - Concord - NH
PO Box 248 - Canterbury - NH 03224
Phone (603) 369-4777 web: aosne.com

REV.	DATE		C/O	DR	CK
1	9/08//2021	updated details			

FILE SHEET 2 OF 2

EROSION CONTROL NOTES

CONSTRUCTION SEQUENCE

DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.

INSTALL PERIMETER CONTROLS AROUND THE LIMITS OF DISTURBANCE BEFORE ANY EARTH MOVING OPERATIONS. THE USE OF HAYBALES IS NOT ALLOWED.

CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.

PERFORM DEMOLITION OF EXISTING FEATURES TO BE REMOVED.

CUT AND GRUB ALL TREES, SHRUBS, SAPLINGS, BRUSH, VINES AND REMOVE OTHER DEBRIS AND RUBBISH AS REQUIRED.

BULLDOZE TOPSOIL INTO STOCKPILES, AND CIRCLE WITH SILT FENCING OR SILTSOXX. IF EROSION IS EXCESSIVE, THEN COVER WITH MULCH.

DRILL WELL AND REPORT TO NHDES.

CONSTRUCT DRAINAGE IMPROVEMENT AND FOUNDATIONS.

LAYOUT AND INSTALL ALL BURIED UTILITIES AND SERVICES TO THE PROPOSED BUILDING FOUNDATIONS. CAP AND MARK TERMINATIONS OR LOG SWING TIES. CONSTRUCT SEPTIC SYSTEMS.

FINISH GRADE SITE, BACKFILL DRIVEWAY SUBBASE GRAVEL IN TWO, COMPACTED LIFTS. PROVIDE TEMPORARY EROSION PROTECTION TO SITE IN THE FORM OF MULCHING, JUTE MESH OR DITCH DAMS.

PLACE BINDER LAYER OF PAVEMENT

PLANT LANDSCAPING IN AREAS OUT OF WAY OF BUILDING CONSTRUCTION. PREPARE AND STABILIZE FINAL SITE GRADING BY ADDING TOPSOIL, SEED, MULCH AND FERTILIZER.

AFTER BUILDINGS ARE COMPLETED, FINISH ALL REMAINING LANDSCAPED WORK.

CONSTRUCT ASPHALT WEARING COURSE.

REMOVE TRAPPED SEDIMENTS FROM COLLECTION DEVICES AS APPROPRIATE, AND THEN REMOVE TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF FINAL STABILIZATION OF THE SITE.

GENERAL CONSTRUCTION NOTES

THE EROSION CONTROL PROCEDURES SHALL CONFORM TO SECTION 645 OF THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" OF THE NHDOT, AND "STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE". THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR MORE THAN 45 DAYS.

ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEEDED WITH RYE GRASS TO PREVENT EROSION.

DUST CONTROL: IF TEMPORARY STABILIZATION PRACTICES, SUCH AS TEMPORARY VEGETATION AND MULCHING, DO NOT ADEQUATELY REDUCE DUST GENERATION, APPLICATION OF WATER OR CALCIUM CHLORIDE SHALL BE APPLIED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES.

SILT FENCES AND SILTSOXX SHALL BE PERIODICALLY INSPECTED DURING THE LIFE OF THE PROJECT AND AFTER EACH STORM. ALL DAMAGED SILT FENCES AND SILTSOXX SHALL BE REPAIRED. SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED IN A SECURED LOCATION.

AVOID THE USE OF FUTURE OPEN SPACES (LOAM AND SEED AREAS) WHEREVER POSSIBLE DURING CONSTRUCTION. CONSTRUCTION TRAFFIC SHALL USE THE ROADBEDS OF FUTURE ACCESS DRIVES AND PARKING AREAS.

ADDITIONAL TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNTS NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS--CONSTRUCT SILT FENCE OR SILTSOXX AROUND TOPSOIL STOCKPILE.

AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL. STUMPS SHALL BE DISPOSED OF IN AN APPROVED FACILITY.

ALL FILLS SHALL BE PLACED AND COMPACTED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.

ALL NON-STRUCTURAL, SITE-FILL SHALL BE PLACED AND COMPACTED TO 90% MODIFIED PROCTOR DENSITY IN LAYERS NOT EXCEEDING 18 INCHES IN THICKNESS UNLESS OTHERWISE NOTED.

FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIAL, TRASH, WOODY DEBRIS, LEAVES, BRUSH OR ANY DELETERIOUS MATTER SHALL NOT BE INCORPORATED INTO FILLS.

FILL MATERIAL SHALL NOT BE PLACED ON FROZEN FOUNDATION SUBGRADE.

DURING CONSTRUCTION AND UNTIL ALL DEVELOPED AREAS ARE FULLY STABILIZED, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH ONE HALF INCH OF RAINFALL.

THE CONTRACTOR SHALL MODIFY OR ADD EROSION CONTROL MEASURES AS NECESSARY TO ACCOMMODATE PROJECT CONSTRUCTION.

ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
- BASE COURSE GRAVELS HAVE BEEN INSTALLED ON AREAS TO BE PAVED
- A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED
- A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED
- EROSION CONTROL BLANKETS HAVE BEEN INSTALLED

VEGETATIVE PRACTICE

FOR PERMANENT MEASURES AND PLANTINGS:

LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM LAYER AT A RATE OF 2 TONS PER ACRE.

FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER APPLICATION RATE SHALL BE 500 POUNDS PER ACRE OF 10-20-20 FERTILIZER.

SEED SHALL BE SOWN AT THE RATES SHOWN IN THE TABLE BELOW. IMMEDIATELY BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAKED. ONE HALF THE SEED SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE ORIGINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER 1/4 INCH AND ROLLED WITH A HAND ROLLER WEIGHING NOT OVER 100 POUNDS PER LINEAR FOOT OF WIDTH. HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING AT A RATE OF 1.5 TO 2 TONS PER ACRE, AND SHALL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE EROSION AND SEDIMENT CONTROL HANDBOOK.

THE SURFACE SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT WASHING AWAY THE SOIL, UNTIL THE GRASS IS WELL ESTABLISHED. ANY AREAS WHICH ARE NOT SATISFACTORILY COVERED SHALL BE RESEEDED, AND ALL NOXIOUS WEEDS REMOVED.

A GRASS SEED MIXTURE CONTAINING THE FOLLOWING SEED REQUIREMENTS SHALL BE:

GENERAL COVER	PROPORTION	SEEDING RATE
CREEPING RED FESCUE	50%	100 LBS/ACRE
KENTUCKY BLUEGRASS	50%	

SLOPE SEED (USED ON ALL SLOPES GREATER THAN OR EQUAL TO 3:1)

CREEPING RED FESCUE	42%	
TALL FESCUE	42%	48 LBS/ACRE
BIRDSFOOT TREFOIL	16%	

IN NO CASE SHALL THE WEED CONTENT EXCEED ONE PERCENT BY WEIGHT. ALL SEED SHALL COMPLY WITH APPLICABLE STATE AND FEDERAL SEED LAWS.

FOR TEMPORARY PROTECTION OF DISTURBED AREAS:
MULCHING AND SEEDING SHALL BE APPLIED AT THE FOLLOWING RATES:
PERENNIAL RYE: 0.7 LBS/1,000 S.F.
MULCH: 1.5 TONS/ACRE

MAINTENANCE AND PROTECTION

THE CONTRACTOR SHALL MAINTAIN ALL LOAM & SEED AREAS UNTIL FINAL ACCEPTANCE AT THE COMPLETION OF THE CONTRACT. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, REMOVAL OF STONES AND OTHER FOREIGN OBJECTS OVER 1/2 INCHES IN DIAMETER WHICH MAY APPEAR AND THE FIRST TWO (2) CUTTINGS OF GRASS NO CLOSER THEN TEN (10) DAYS APART. THE FIRST CUTTING SHALL BE ACCOMPLISHED WHEN THE GRASS IS FROM 2 1/2 TO 3 INCHES HIGH. ALL BARE AND DEAD SPOTS WHICH BECOME APPARENT SHALL BE PROPERLY PREPARED, LIMED AND FERTILIZED, AND RESEEDED BY THE CONTRACTOR AT HIS EXPENSE AS MANY TIMES AS NECESSARY TO SECURE GOOD GROWTH. THE ENTIRE AREA SHALL BE MAINTAINED, WATERED AND CUT UNTIL ACCEPTANCE OF THE LAWN BY THE OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL TAKE WHATEVER MEASURES ARE NECESSARY TO PROTECT THE GRASS WHILE IT IS DEVELOPING.

TO BE ACCEPTABLE, SEEDED AREAS SHALL CONSIST OF A UNIFORM STAND OF AT LEAST 90 PERCENT ESTABLISHED PERMANENT GRASS SPECIES, WITH UNIFORM COUNT OF AT LEAST 100 PLANTS PER SQUARE FOOT.

SEEDED AREAS WILL BE FERTILIZED AND RESEEDED AS NECESSARY TO INSURE VEGETATIVE ESTABLISHMENT.

THE SWALES WILL BE CHECKED WEEKLY AND REPAIRED WHEN NECESSARY UNTIL ADEQUATE VEGETATION IS ESTABLISHED.

THE SILT FENCE OR SILTSOXX BARRIER SHALL BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

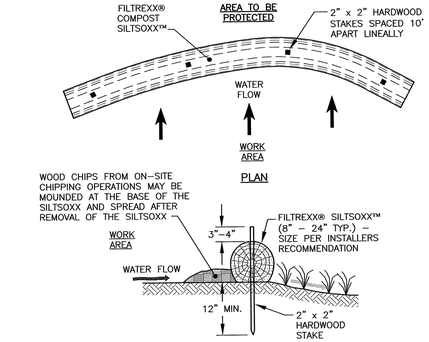
SILT FENCING AND SILTSOXX SHALL BE REMOVED ONCE VEGETATION IS ESTABLISHED, AND DISTURBED AREAS RESULTING FROM SILT FENCE AND SILTSOXX REMOVAL SHALL BE PERMANENTLY SEEDED.

WINTER NOTES

ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.

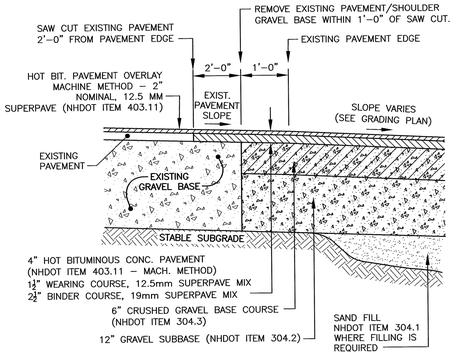
ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.

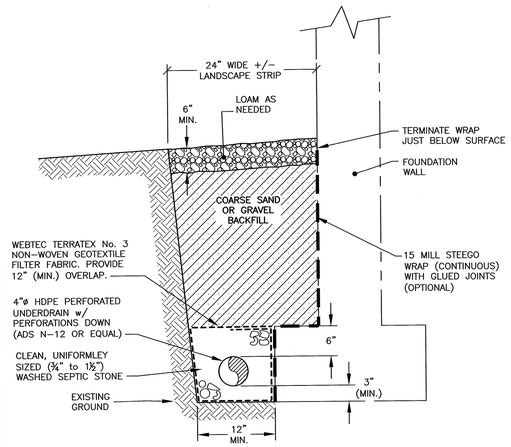


NOTES:
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILLTREXX SYSTEM SHALL BE INSTALLED BY A CERTIFIED FILTREXX INSTALLER.
3. THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTRATION SYSTEM IN A FUNCTIONAL CONDITION AT ALL TIMES. IT WILL BE ROUTINELY INSPECTED AND REPAIRED WHEN REQUIRED.
4. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES, GREATER SLOPES MAY REQUIRE ADDITIONAL PLACEMENTS.
5. THE COMPOST FILTER MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

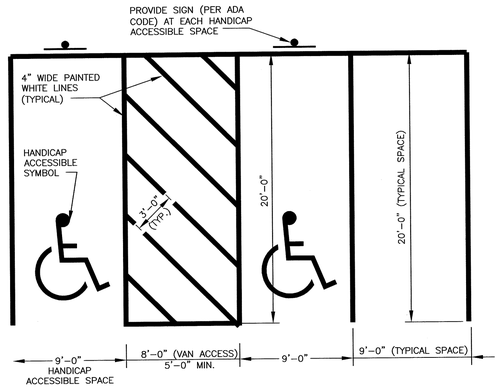
A / C3 FILTREXX® SILTSOXX™ FILTRATION SYSTEM
NTS

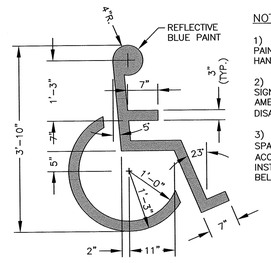


C / C2 FULL DEPTH PAVEMENT SECTION AND PAVEMENT JOINT DETAIL
NTS



B / C3A FOUNDATION DRAIN- BUILDING C
NTS





HANDICAP PAVEMENT MARKING

NOTES:
1) SYMBOL TO BE PAINTED IN ALL HANDICAPPED SPACES.
2) SYMBOL, PAINT AND SIGNAGE TO CONFORM TO AMERICANS WITH DISABILITIES ACT (ADA).
3) ALL VAN ACCESSIBLE SPACES SHALL HAVE "VAN ACCESSIBLE" PLATE INSTALLED ON SIGN POST BELOW HANDICAP SIGN.

D / C2 PARKING STALL DETAILS
ADA SPECIFIED
NTS

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

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PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	10/7/21

REVISIONS

JOHN E. CHAGNON NO. 7851 LICENSED PROFESSIONAL ENGINEER - STATE OF NEW HAMPSHIRE

SCALE: AS NOTED — JULY 2020

EROSION CONTROL NOTES & DETAILS — **D1**

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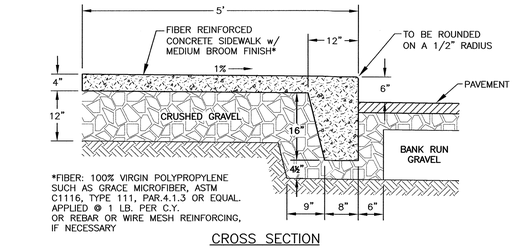
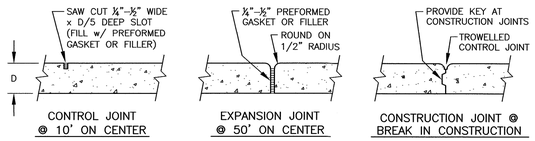
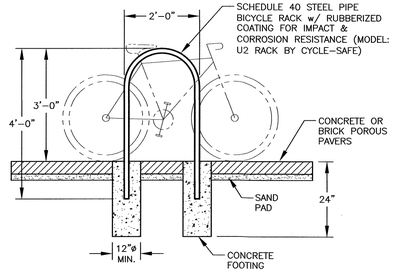
3142



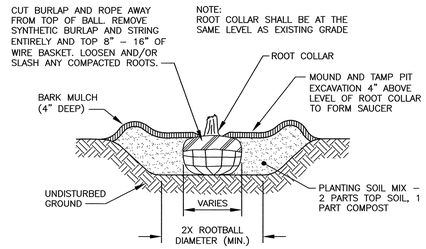
CROSS SECTION

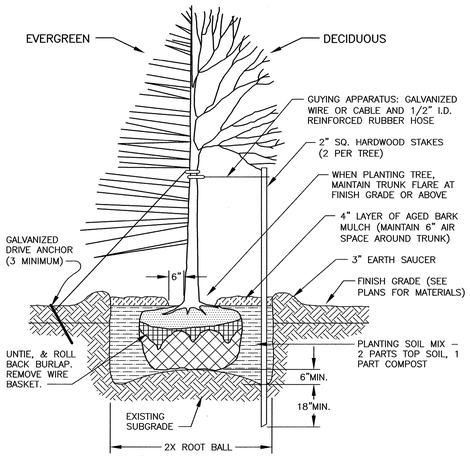


E / C2 PORTLAND CEMENT CONCRETE SIDEWALK (WITH INTEGRAL CONCRETE CURB) NTS

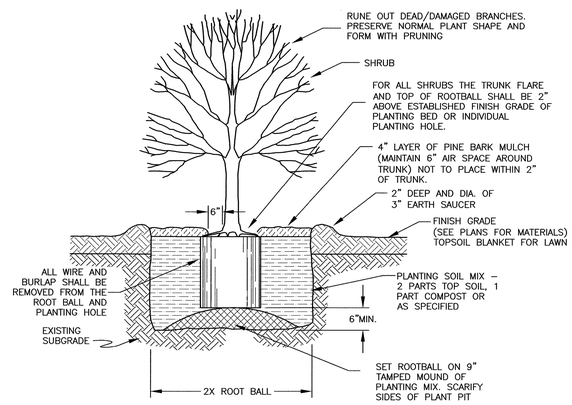


F / C2 UPTURNED "U" BICYCLE RACK NTS

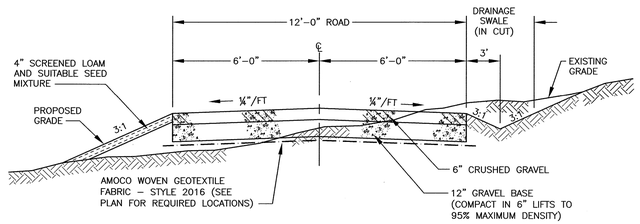




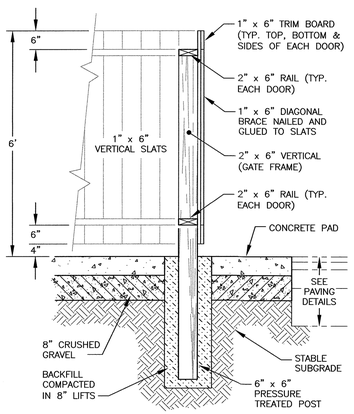
H / L2 TREE PLANTING DETAIL NTS



I / L2 SHRUB PLANTING DETAIL NTS

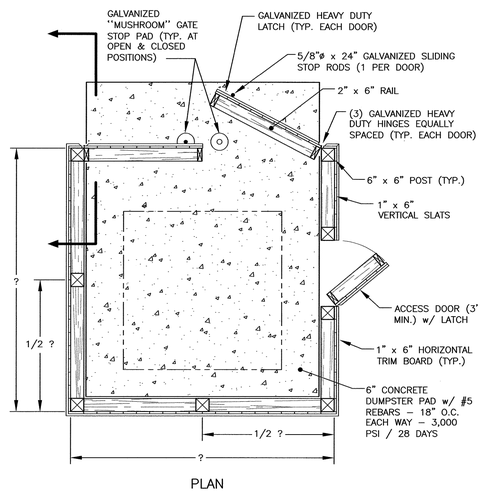


J / D2 GRAVEL DRIVE NTS



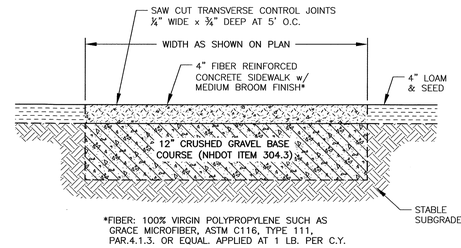
SECTION

NOTES:
1) FENCING SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE. POSTS SHALL BE PRESSURE TREATED FOR IN GROUND USE.
2) ALL METAL FITTINGS AND FASTENERS SHALL BE HOT DIP GALVANIZED.
3) ALTERNATE DESIGNS & MATERIALS MAY BE USED IF CONSTRUCTION DRAWINGS ARE PROVIDED TO, AND APPROVED BY, THE BUILDING INSPECTOR.



PLAN

G / C2 DUMPSTER ENCLOSURE DETAILS NTS



K / C2 PORTLAND CEMENT CONCRETE SIDEWALK (NON–POROUS) NTS

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road – Unit 3
Portsmouth, N.H. 03801–7114
Tel (603) 430–9282
Fax (603) 436–2315

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PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	10/7/21

REVISIONS

STATE OF NEW HAMPSHIRE · JOHN R. CHAGNON No. 7651 LICENSED PROFESSIONAL ENGINEER

AS NOTED — JULY 2020

DETAILS — **D2**

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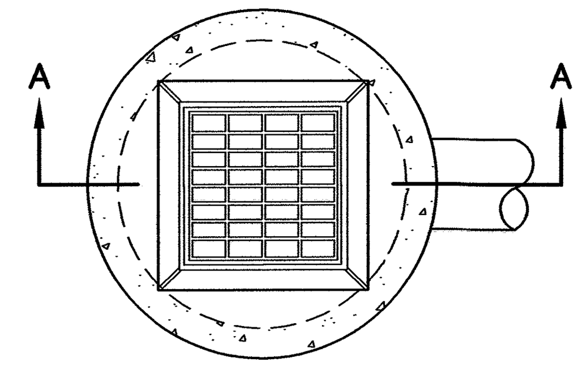
RIPRAP GRADATION TABLE

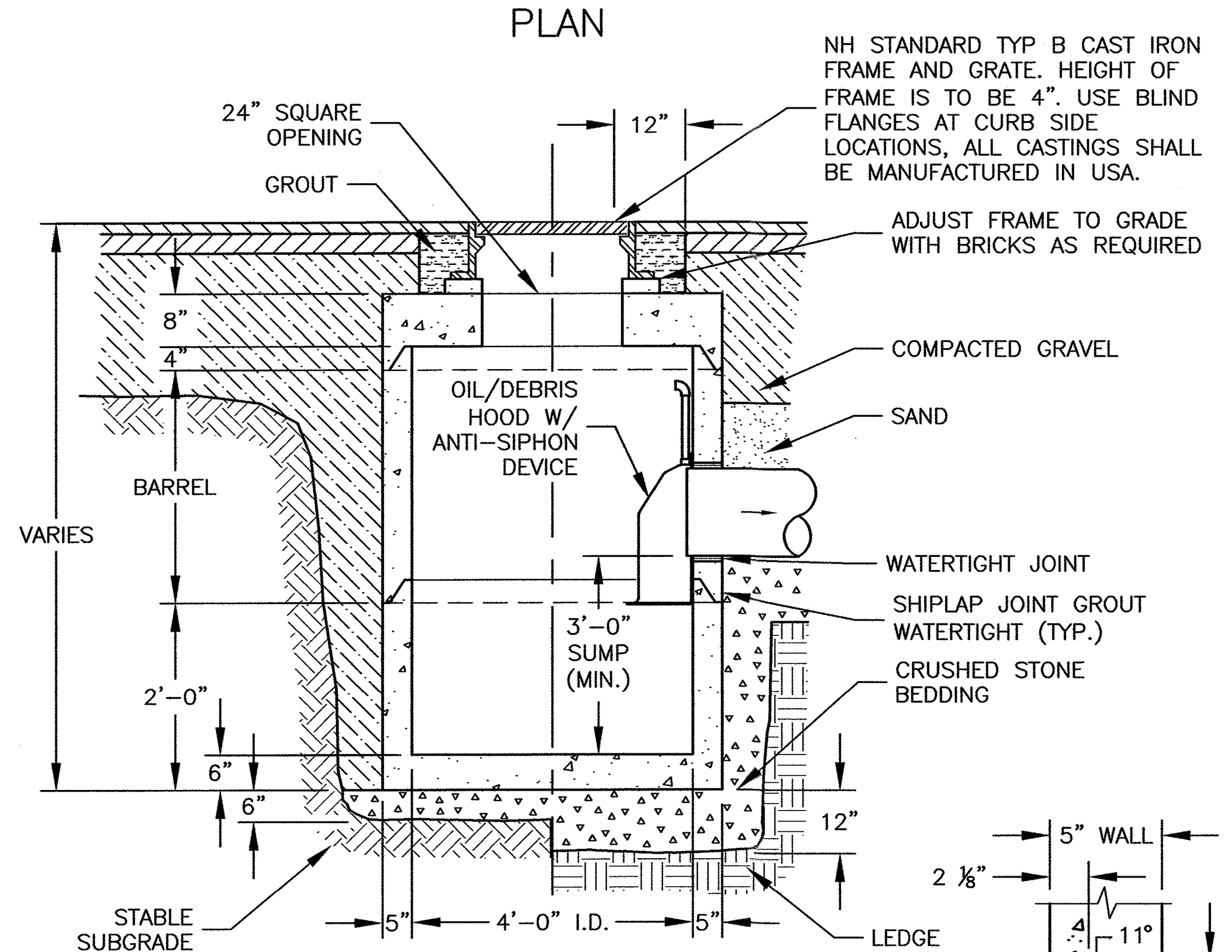
RIPRAP – 9"

% OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE RANGE IN INCHES
100	13.5 TO 18
85	11.7 TO 16.2
50	9 TO 13.5
Z15	2.7 TO 4.5

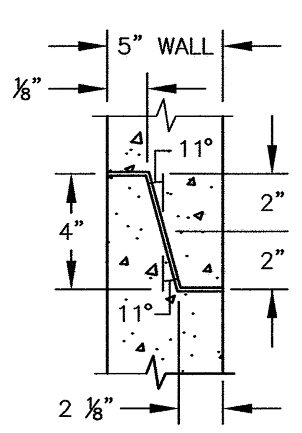
L / C3 RIPRAP
NTS



PLAN



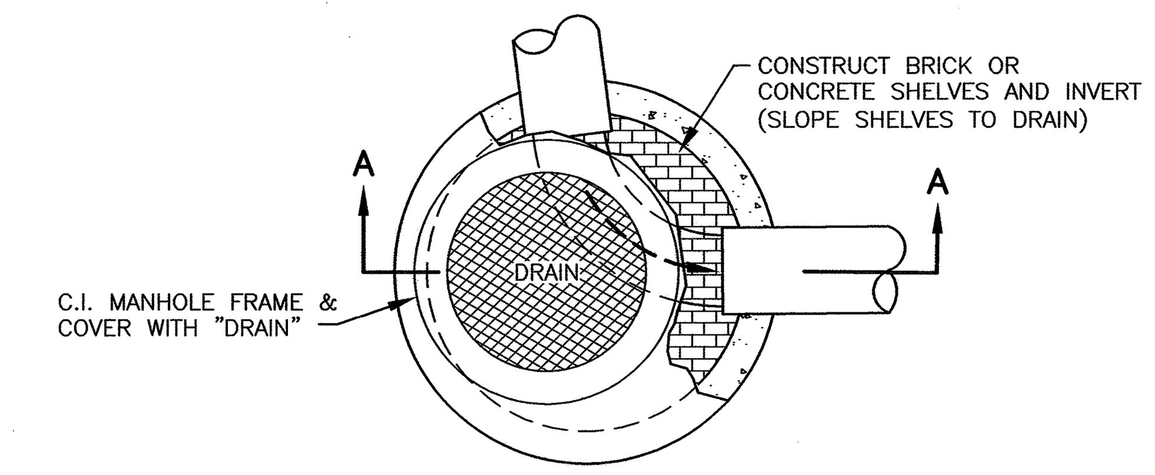
SECTION A – A



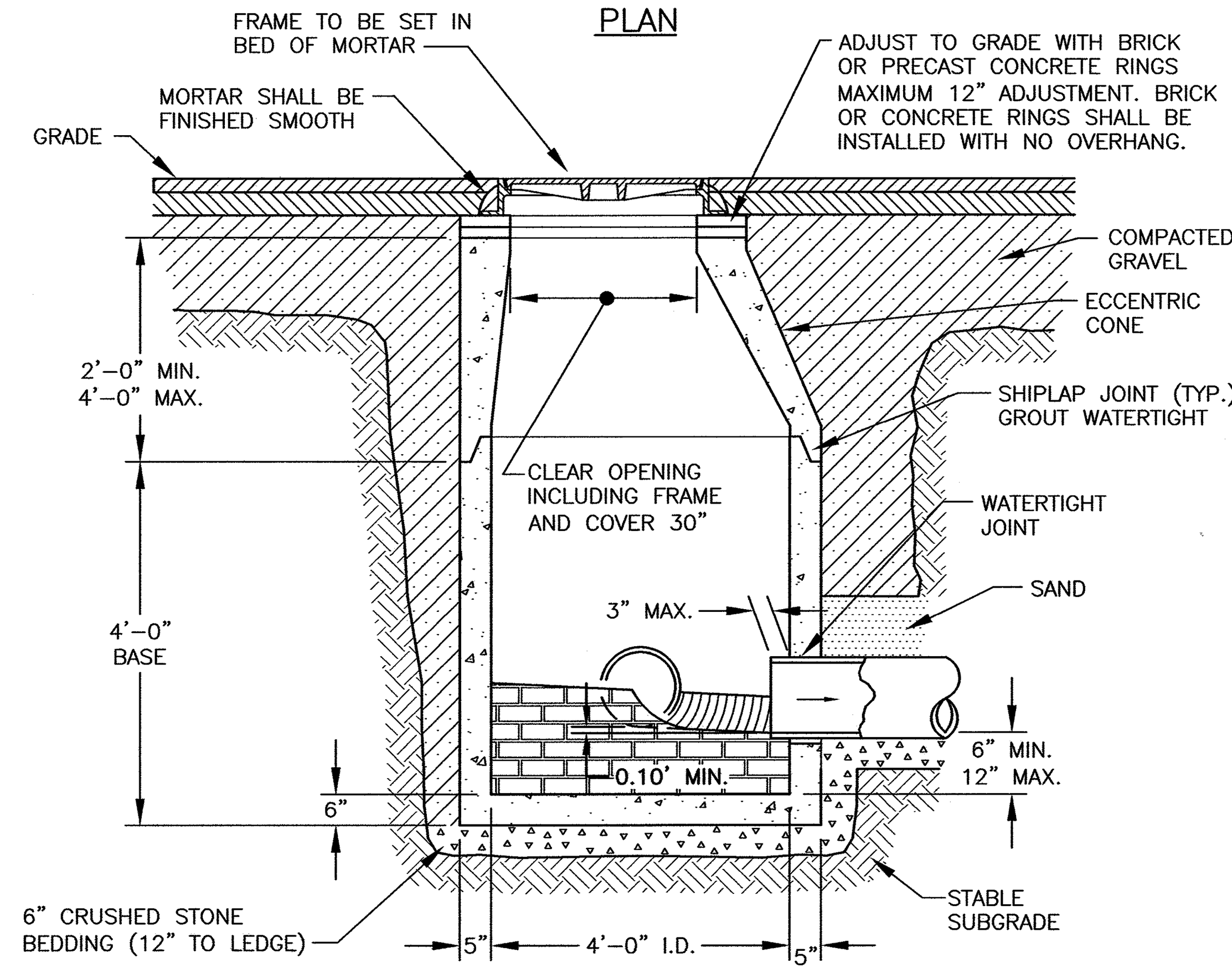
DETAIL OF SHIPLAP JOINT

NOTES:
1) CONCRETE SHALL BE CLASS AA, 4,000 P.S.I. AFTER 28 DAYS.
2) CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ. IN. PER LINEAR FT. IN ALL SECTIONS & SHALL BE PLACED IN THE CENTER THIRD OF WALL.
3) THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR FT.
4) EACH CASTING TO HAVE LIFTING HOLES CAST IN.
5) OUTLET HOOD SHALL BE A "SNOUT" BY BEST MANAGEMENT PRODUCTS, INC. OR APPROVED EQUAL. SIZING AND INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.

M / C3 CATCH BASIN w/ OIL–DEBRIS HOOD
NTS



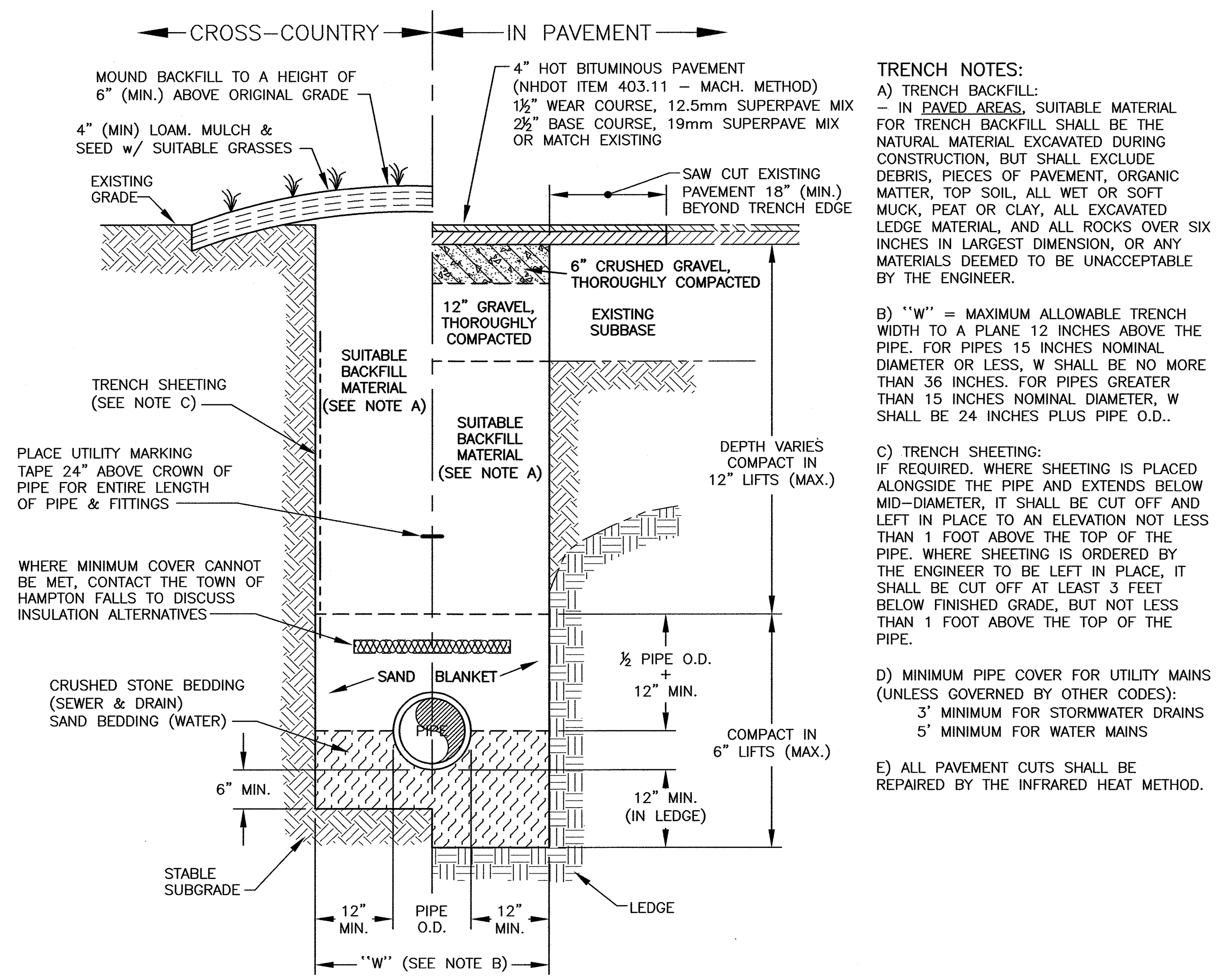
PLAN



SECTION A – A

NOTES:
1. CONCRETE SHALL BE 4,000 P.S.I. AFTER 28 DAYS.
2. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ. IN. PER LINEAR FT. IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
3. THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR FT..
4. EACH CASTING TO HAVE LIFTING HOLES CAST IN.
5. STRUCTURE TO BE DESIGNED FOR H20 LOADING.

N / C3 DRAIN MANHOLE DETAIL
NTS



TRENCH NOTES:
A) TRENCH BACKFILL:
– IN PAVED AREAS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIALS DEEMED TO BE UNACCEPTABLE BY THE ENGINEER.

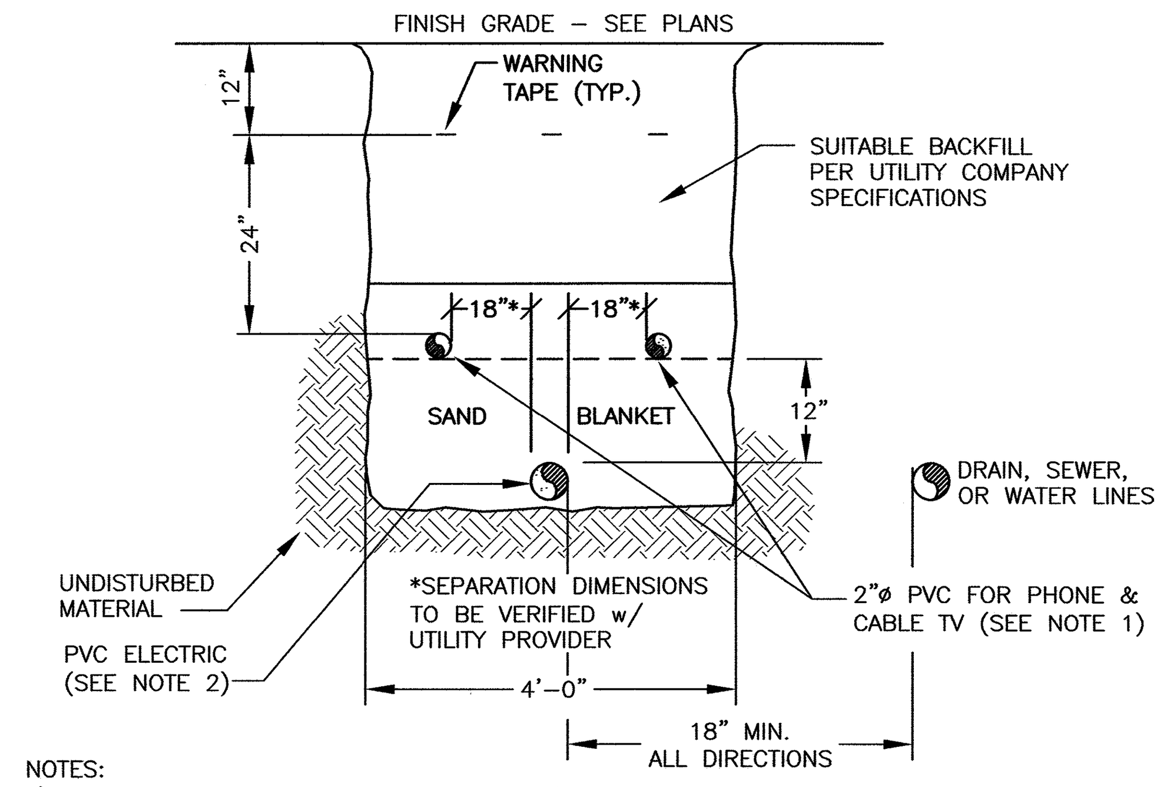
B) "W" = MAXIMUM ALLOWABLE TRENCH WIDTH TO A PLANE 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER OR LESS, W SHALL BE NO MORE THAN 36 INCHES. FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS PIPE O.D..

C) TRENCH SHEETING:
IF REQUIRED. WHERE SHEETING IS PLACED ALONGSIDE THE PIPE AND EXTENDS BELOW MID–DIAMETER, IT SHALL BE CUT OFF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE. WHERE SHEETING IS ORDERED BY THE ENGINEER TO BE LEFT IN PLACE, IT SHALL BE CUT OFF AT LEAST 3 FEET BELOW FINISHED GRADE, BUT NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE.

D) MINIMUM PIPE COVER FOR UTILITY MAINS (UNLESS GOVERNED BY OTHER CODES):
3' MINIMUM FOR STORMWATER DRAINS
5' MINIMUM FOR WATER MAINS

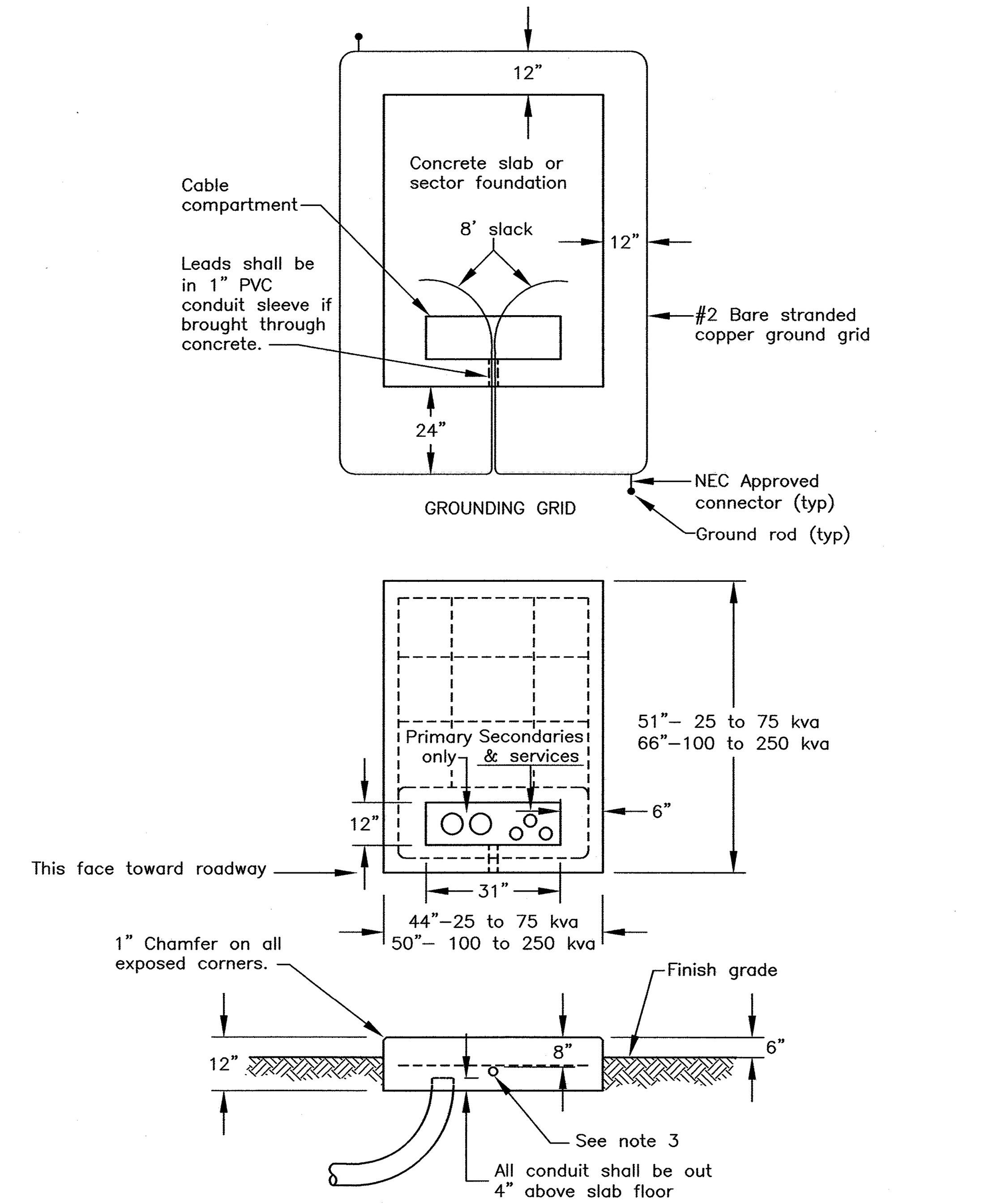
E) ALL PAVEMENT CUTS SHALL BE REPAIRED BY THE INFRARED HEAT METHOD.

O / C3 O / C4 UTILITY PIPE TRENCH
NTS



NOTES:
1) ALL CONDUIT TO BE U.L. LISTED, SCH. 80 UNDER ALL TRAVEL WAYS, & SCH. 40 FOR THE REMAINDER.
2) NORMAL CONDUIT SIZES FOR PSNH ARE 3 INCH FOR SINGLE PHASE PRIMARY AND SECONDARY VOLTAGE CABLES, 4 INCH FOR THREE PHASE SECONDARY, AND 5 INCH FOR THREE PHASE PRIMARY.
3) ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE (LATEST REVISION)
4) INSTALL A 200# PULL ROPE FOR EACH CONDUIT
5) VERIFY ALL CONDUIT SPECIFICATIONS WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION.

P / C4 UTILITY TRENCH
ELECTRIC/PHONE/CABLE
NTS



NOTES
1. See sheet "Requirements for Padmounted Transformer Slab Details".
2. All reinforcing to be #6 bars.
3. 1" PVC conduit sleeve for ground grid leads.
4. The ground grid shall be supplied and installed by the customer and is to be buried at least 12" below grade. Eight feet of extra wire for each ground grid leg shall be left exposed in the cable compartment to allow for the connection to the transformer. the two 8' ground rods may be either galvanized steel or copperweld and they shall be connected to the grid with NEC approved connectors.

Q / C4 TRANSFORMER PAD
PSNH
NTS

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road – Unit 3
Portsmouth, N.H. 03801–7114
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PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
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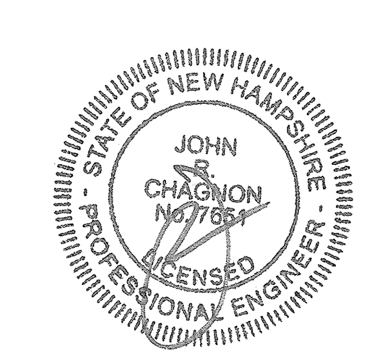
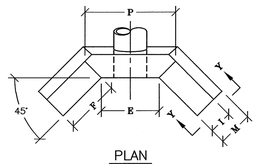
REVISIONS



SCALE: AS NOTED JULY 2020

DETAILS D3

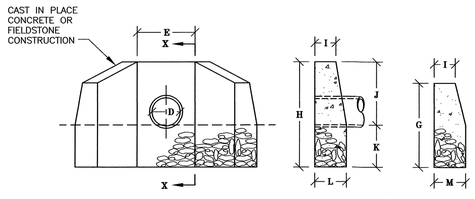
FB 318 PG 20 3142



PLAN

D	E	F	G	H	I
12"	30"	28"	48"	60"	12"
15"	33"	32"	48"	60"	12"
18"	36"	36"	48"	60"	12"
24"	42"	44"	48"	66"	12"
30"	48"	52"	48"	72"	12"

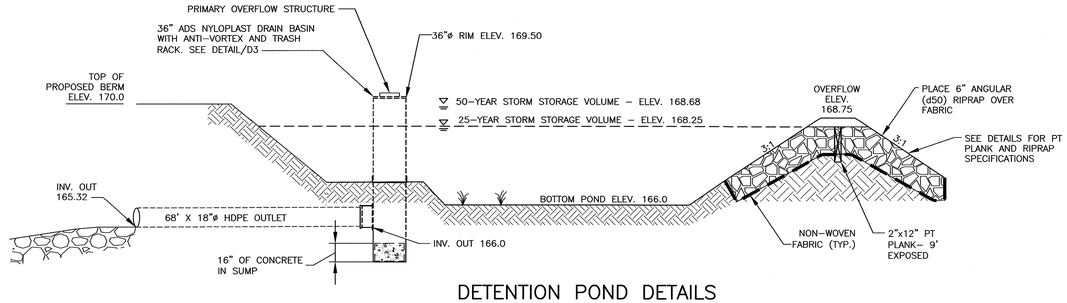
D	J	K	L	M	P
12"	36"	24"	16"	18"	47"
15"	36"	24"	18"	18"	50"
18"	36"	24"	20"	18"	53"
24"	42"	24"	24"	18"	60"
30"	48"	24"	28"	18"	65"



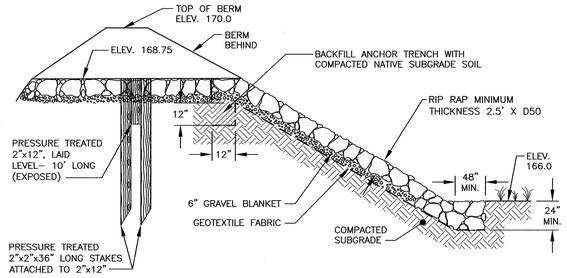
ELEVATION X–X Y–Y

R C3 HEADWALL DETAIL

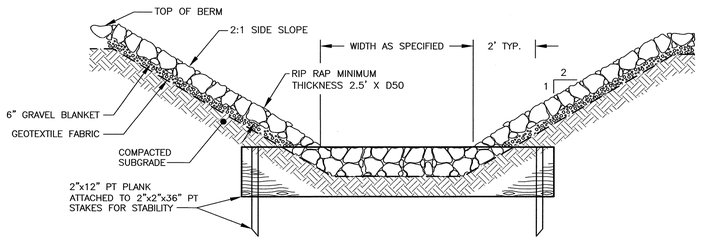
NTS



DETENTION POND DETAILS



EMERGENCY SPILLWAY SECTION



EMERGENCY SPILLWAY PROFILE

S C3 DETENTION POND DETAILS

NTS

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road – Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

1) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.

2) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.

3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2008).

PROPOSED HOUSING
10 LEE ROAD
MADBURY, N.H.

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	10/7/21

REVISIONS

STATE OF NEW HAMPSHIRE · JOHN R. CHAGNON No. 7651 LICENSED PROFESSIONAL ENGINEER

SCALE: AS NOTED JULY 2020

DETAILS D4

FB 318 PG 20 3142

J:\JOBS3\JN 3100's\3140's\3142\2019 Site Plan\Plans & Specs\Site\3142 Details 2021.dwg, 10/29/2021 4:37:26 PM, Canon TX-3000.pc3

1 NORTH ELEVATION
1/8" = 1'-0"

2 SOUTH ELEVATION
1/8" = 1'-0"

3 WEST ELEVATION
1/8" = 1'-0"

4 EAST ELEVATION
1/8" = 1'-0"

NOT FOR CONSTRUCTION

REVISIONS:

10 LEE ROAD, LLC
10 LEE ROAD
MADBURY, NEW HAMPSHIRE

CJ ARCHITECTS
233 VAUGHAN ST. SUITE 101 (603) 431-2808
PORTSMOUTH, NH 03801 www.cjarchitects.net

ELEVATIONS

DATE:	05/07/21
DRAWN BY:	RLD
APPROVED BY:	CJG
SCALE:	1/8" = 1'-0"
JOB NUMBER:	22101

A1

VIEW FROM LEE ROAD AT FRONT OF EXISTING BUILDINGS

VIEW FROM LEE ROAD AT ENTRANCE

NOT FOR CONSTRUCTION

REVISIONS:

10 LEE ROAD, LLC

10 LEE ROAD
MADBURY, NEW HAMPSHIRE

CJ ARCHITECTS
233 VAUGHAN ST. SUITE 101 PORTSMOUTH, NH 03801 (603) 431-2808 www.cjarchitects.net

PROPOSED VIEWS

DATE:	01/19/2022
DRAWN BY:	RLD
APPROVED BY:	CJG
SCALE:	N/A
JOB NUMBER:	22101

A1