

SITE PLAN SET

PARKING AND PAVEMENT IMPROVEMENTS

35 FOREST RIDGE ROAD
CONCORD, MASSACHUSETTS

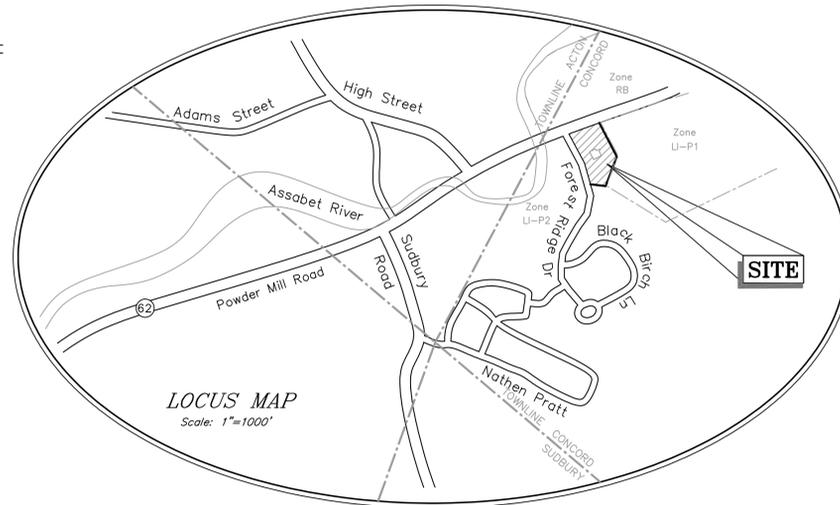


DATE OF PLAN: JUNE 1, 2020

PERMIT AND CONSTRUCTION PLAN SET

TAX MAP B12 PARCEL 2971-1

35 FOREST RIDGE ROAD
CONCORD, MASSACHUSETTS



SHEET INDEX

SHEET #	DESCRIPTION
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7	LANDSCAPE PLAN (BY LEMON BROOKE)

**Minute Man Arc for Human
Services Inc**

35 Forest Ridge Road
Concord, Massachusetts

DATE OF PLAN: JUNE 1, 2020			
REVISION: JULY 15, 2020			

APPROVAL: CONCORD PLANNING BOARD

DATE



MEISNER BREM CORPORATION

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REVISION: JULY 15, 2020

DATE OF PLAN : JUNE 1, 2020

2660

PLAN NOTES:

- OWNER OF RECORD**
Minute Man Arc for Human Services Inc
Contacts:
Eric Baroush E-mail ebaroush@minutemanarc.org
Jean Goldsberry E-mail jgoldsberry@minutemanarc.org
- TOWN OF CONCORD ASSESSORS REFERENCE**
ASSESSORS MAP B12 PARCEL 2971-1
PARCEL AREA=5.23 AC.

ZONING - CONCORD

Limited Industrial Park - LIP#2
MINIMUM LOT AREA - 5 Acres
MINIMUM LOT FRONTAGE - 50' Private, 200' Public

SETBACKS:
FRONT - 100'
SIDE - 50'
REAR - 50'

- PROPERTY SURVEY, TOPOGRAPHY AND THE LOCATIONS OF ALL UTILITIES PERFORMED BY PERLEY ENGINEERING LLC IN DECEMBER OF 2017
PLAN REFERENCE:
Existing Conditions Plan,
35 Forest Ridge Road, Concord Massachusetts.
Assessor's Map B12 Parcel 2971-1
Prepared for Minute Man Arc
Prepared by Perley Engineering LLC
Scale 1"=20', Dated December 11, 2017 #17-32200
- CONTRACTORS SHALL VERIFY ALL UNDERGROUND UTILITIES, CONDUITS, PIPES, ETC. AND NOTIFY DIGSAFE PRIOR TO ANY EXCAVATIONS. DIAL 811 (DIGSAFE).



B. GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE TOWN DEPARTMENTS TO VERIFY ALL CONNECTIONS TO EXISTING SERVICES AND TO ARRANGE FOR INSPECTIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS AND SPECIAL CONDITIONS OF THE TOWN AGENCIES SUCH AS THE PLANNING BOARD, NATURAL RESOURCE COMMISSION, BOARD OF HEALTH, AND OTHERS AS MAY BE APPLICABLE.
- THE CONTRACTOR SHALL VERIFY ALL ZONING REQUIREMENTS FOR CONFORMANCE PRIOR TO ANY CONSTRUCTION.
- ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN BOARDS OR AGENCIES AND SHALL BE REVIEWED AND APPROVED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION ALLOW FOR A MINIMUM OF SEVEN DAYS FOR MODIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. MEISNER BREM CORPORATION, AS THE DESIGN ENGINEER, SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCURATE AS-BUILT INFORMATION OF ALL WORK, ESPECIALLY UNDERGROUND CONSTRUCTION OF UTILITY LINES, SERVICES, CONNECTIONS, ETC. AND APPROPRIATE TIES TO ABOVE GROUND PERMANENT STRUCTURES. FIELD SURVEY COORDINATES, OR SOME OTHER METHOD OF ESTABLISHING THE AS-BUILT CONDITION OF ALL CONSTRUCTION. MEISNER BREM CORPORATION SHALL BE GIVEN A 72 HOUR NOTICE FOR THE COLLECTION OF ALL AS-BUILT DATA. IF PERTINENT DESIGN COMPONENTS ARE BACK FILLED OR COVERED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO EXPOSE THEM AS REQUIRED.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND ANY APPLICABLE PERMITS WHICH ARE AUTOMATICALLY INCORPORATED HEREIN.
- ALL WORK SHALL COMPLY WITH ANY CONDITIONS ISSUED BY THE TOWN OF CONCORD BOARD OF APPEALS OR NATURAL RESOURCE COMMISSION.

C. CONSTRUCTION SEQUENCE

- THE CONTRACTOR SHALL SET UP A PRE-CONSTRUCTION MEETING WITH THE RELEVANT TOWN STAFF TO DISCUSS PROJECT SEQUENCE AND SCHEDULE.
- THE LIMIT OF TREE CLEARING SHALL BE MARKED BY THE CONTRACTOR BEFORE ANY TREE REMOVAL IS TO TAKE PLACE AND CONFIRMED BY THE OWNER OR THEIR REPRESENTATIVE PRIOR TO ANY REMOVAL. ALL CLEARING OPERATIONS FOR ROADWAY, RIGHT OF WAY, GRADING, AND UTILITIES SHALL BE PERFORMED AT ONE TIME. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS REQUIRED FOR THE TREE REMOVAL PROCESS PRIOR TO STARTING WORK.
- ALL EROSION CONTROLS SUCH AS STRAWBALES, SILT FENCE AND FILTER SOCKS SHALL BE INSTALLED AS SHOWN ON THE PLANS PRIOR TO ANY GRADING OPERATIONS. EROSION CONTROL SHALL BE INSPECTED, MAINTAINED AND REPAIRED WHEN NECESSARY THROUGHOUT THE COURSE OF CONSTRUCTION.
- TOPSOIL SHALL BE STRIPPED, STOCKPILED AND STABILIZED WITH TEMPORARY SEEDING. ROUGH GRADING OF THE SITE SHALL THEN BEGIN.
- BEGIN ALL TEMPORARY AND/OR PERMANENT SEEDING WHEREVER POSSIBLE, AND ON ALL CUT AND FILL SLOPES AS THEY ARE CONSTRUCTED.
- AS SECTIONS OF THE PROJECT ARE COMPLETED (BUILDINGS AND STRUCTURES, FINISH PAVING, ETC.), COMPLETE FINAL GRADING, PERMANENT SEEDING AND LANDSCAPING. EROSION CONTROL MEASURES ARE TO BE REMOVED ONLY AFTER PERMANENT VEGETATION IS ESTABLISHED.

D. STORM DRAINAGE

- STORM DRAINAGE MATERIALS AND CONSTRUCTION SHALL COMPLY TO ALL PERTINENT FEDERAL, STATE AND TOWN RULES AND REGULATIONS.
- ALL DIMENSIONS SHOWN ARE TO CENTER OF MANHOLES (CENTER OF STRUCTURE) AND CENTER AT CURB LINE FOR CATCH BASINS (NOT CENTER OF STRUCTURE).
- ALL SOLID PIPES SHALL BE HDPE OR SCHEDULE 40 PVC, AS INDICATED.
- ALL CONCRETE STRUCTURES: CATCH BASINS, DRYWELLS, MANHOLES, SEDIMENTATION SUMPED MANHOLES AND OUTLET STRUCTURES SHALL BE:
 - SHEA CONCRETE PRODUCTS, INC.
WILMINGTON, MA
508-658-2645
OR APPROVED EQUAL.
 - ALL STRUCTURES SHALL BE H-20 LOADING.
 - ALL STRUCTURES SHALL BE PLACED ON A MINIMUM OF 6" THICK BED OF 1 1/2" CRUSHED STONE, MINIMUM OF 1' BEYOND THE STRUCTURE FOOTPRINT. THIS SHALL BE PLACED ON UNDISTURBED NATIVE GROUND OR ON 95% COMPACTED SUBGRADE, PER ASTM D-1557 (PROCTOR).
 - ALL STRUCTURES REQUIRING ACCESS MANHOLES OR HATCHWAYS SHALL BE BROUGHT TO GRADE BY PRECAST CONCRETE RISERS OR CONCRETE BLOCK (OR BRICK), MORTAR JOINTS FLUSH TO FINISH GRADE WITH STRUCTURE. FINISH GRADE SHALL BE SUCH AS TO PROMOTE DRAINAGE AWAY FROM STRUCTURES.
 - FOUNDATION AND UNDERSLAB DRAINAGE SHALL BE SPECIFIED BY ARCHITECT OF BUILDING MECHANICAL DESIGNER. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS FOR SPECIFICATIONS AND LOCATION. FOUNDATION DRAINAGE SHALL NOT BE CONNECTED TO ROOF DRAIN SYSTEMS. BASEMENT PARKING AREA FLOOR DRAINS SHALL BE CONNECTED TO AN APPROVED OIL WATER SEPARATOR PRIOR TO DISCHARGE TO THE STORMWATER MANAGEMENT FACILITY.

E. WATER

- ALL WATER SERVICE MATERIALS AND CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, PIPES, FITTINGS, VALVES, COPERATIONS, STOPS, HYDRANTS, BOXES, AND THRUST BLOCKS SHALL CONFORM IN ALL RESPECTS TO SPECIFICATIONS AS OUTLINED IN THE CONCORD RULES AND REGULATIONS FOR SUCH WORK. ANY DISCREPANCIES BETWEEN THE PLANS AND SPECIFICATIONS AND THE TOWN OF CONCORD RULES AND REGULATIONS MUST BE CLARIFIED IN WRITING BY THE TOWN ENGINEER PRIOR TO CONSTRUCTION. A MINIMUM OF 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN WATER AND SEWER PIPELINES. IF WATER AND SEWER CROSS, THE BOTTOM OF THE WATER SHALL BE 18" ABOVE THE TOP OF THE SEWER. MINIMUM COVER FOR WATER PIPELINE SHALL BE NO LESS THAN 5'
- ALL WATER PIPES SHOWN ON THIS PLAN ARE SERVICE PIPES TO FIXTURES ONLY. NO WATER MAINS ARE PROPOSED. ALL WATER PIPING SHALL BE 2" POLYETHYLENE ROLL STOCK APPROVED FOR USE BY THE CONCORD WATER DISTRICT.
- APPROPRIATE METERING DEVICES SHALL BE SUPPLIED BY THE TOWN.
- APPROPRIATE STATE APPROVED BACKFLOW DEVICES SHALL BE DESIGNED BY THE BUILDING MECHANICAL DESIGNER AND SHALL BE LOCATED IN THE BUILDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL IRRIGATION CONNECTION REQUIREMENTS WITH ANY PROPOSED LANDSCAPE ARCHITECT PLANS AND GOLF COURSE SUPERINTENDENT.
- ALL CASTINGS AND FITTINGS SHALL BE NORTH AMERICAN MANUFACTURED.
- ALL FITTINGS SHALL BE BRASS AS APPROVED BY THE TOWN OF CONCORD WATER DEPARTMENT OR PER THE MASSACHUSETTS STATE PLUMBING CODE.

F. GRADING NOTES

- FINISH GRADING, EXCAVATION AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH THE APPROVED DESIGN PLANS, SPECIFICATIONS AND DETAILS.
- PRIOR TO ANY GRADING ACTIVITIES, ALL GRASSED AREAS ARE TO BE MOWED, AND VEGETATION REMOVED. STUMPS, ROOTS AND SOD ARE TO BE GRUBBED AND REMOVED FROM THE SITE GRADING AREAS.
- FINISH GRADING AND RESTORATION OF FINAL SURFACE SHALL BE DONE SUCH AS TO PROMOTE DRAINAGE AWAY FROM ACCESS MANHOLES, CLEANOUTS AND STRUCTURES. GRADING SHALL BE FINISHED IN A CONTINUOUS GRADE SUCH THAT RUNOFF WILL NOT COLLECT, POND OR CREATE EROSIONAL GULLIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT ANY SUCH CONDITIONS. FINAL RESTORATION SHALL CONSIST OF THE STABILIZATION OF FINISH SURFACE WITH TOPSOIL AND SEEDING IN LANDSCAPED AREAS, INCLUDING BUT NOT LIMITED TO THE PLANTING OF SCREENING TREES AND BUSHES AND THE PLACEMENT OF COMPACTED GRAVEL WITH ASPHALT OR CONCRETE SURFACE WHERE REQUIRED PER PLAN.
- BURIAL OF WASTE MATERIAL SHALL NOT BE ALLOWED. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS FROM THE SITE AND DISPOSE OF THEM AT A LOCATION APPROVED BY THE CONCORD PLANNING BOARD OR BUILDING DEPARTMENT.
- BACKFILL AND FILLS SHALL BE SELECT NATIVE, SELECT GRANULAR OR PROCESSED MATERIALS. THE TYPE OF MATERIAL SHALL CONFORM WITH THE DETAILS AND SPECIFICATIONS SUPPLIED IN THIS PLAN SET OR WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS.
- BACKFILL AND FILLS SHALL BE PLACED IN 12 INCH LIFTS AND COMPACTED TO WITHIN 95% DENSITY PER ASTM STANDARDS. IT SHALL BE PLACED ON UNDISTURBED NATIVE SOILS FREE OF TOPSOILS, ORGANICS AND DELETERIOUS MATERIALS, OR ON A 95% COMPACTED DENSITY SUBGRADE. IN AREAS EXCEEDING 2 FT CUTS OR ON SLOPES GREATER THAN 20% BENCHING OUT SHALL BE REQUIRED TO KEY IN FILL MATERIALS. COMPACTION SHALL MEET THE REQUIREMENTS OF THE ASTM D-1557 (PROCTOR) TEST.
- WATER COMPACTION OF TRENCHES AND/OR JETTING IS NOT ALLOWED WITHOUT WRITTEN CONSENT OF DESIGN ENGINEER AND THE TOWN OF CONCORD.
- ALL EXCAVATIONS SHALL BE DEWATERED PRIOR TO PLACEMENT OF BACKFILL OR FILLS IN ACCORDANCE WITH DETAILS PROVIDED HEREIN OR BY THE TOWN ENGINEERS INSTRUCTIONS. THE ENGINEER SHALL BE CONTACTED IF GROUNDWATER IS OBSERVED IN THE EXCAVATION AREAS.

- ALL EXCESS MATERIALS GENERATED FROM THE SITE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE OWNER FOR DISPOSAL. ALL ORGANIC TOPSOILS ARE TO BE STOCKPILED FOR RESTORATION USAGE AT THE COMPLETION OF THE JOB. ALL SELECT GRANULAR MATERIALS SHALL BE STOCKPILED FOR USAGE IN STRUCTURAL FILLS SUCH AS DRIVEWAY SUBGRADES. ANY CONTAMINATED SOILS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL HEALTH DEPARTMENT REGULATIONS. ALL CONCRETE, ASPHALT, CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AT THE COMPLETION OF THE PROJECT UNLESS OTHER ARRANGEMENTS ARE MADE WITH THE PROPERTY OWNER.
- ALL SLOPES RESULTING FROM THE GRADING THAT UTILIZE THE OPTION OF A RETAINING WALL NATURAL LEDGE FACE SHALL REQUIRE PRE-APPROVAL FROM THE DESIGN ENGINEER. ALL RETAINING WALLS SHALL BE DESIGNED BY OTHERS AND SUBMITTED TO THE CONCORD BUILDING DEPARTMENT FOR A BUILDING PERMIT. ALL LEDGE SLOPES SHALL BE REVIEWED IN-FIELD BY THE DESIGN ENGINEER PRIOR TO FINAL APPROVAL AND ACCEPTANCE.
- ALL SLOPES OF 2:1 OR GREATER SHALL BE STABILIZED WITH STRAW OR JUTE MATTING AND SHALL BE APPROVED BY THE DESIGN ENGINEER.
- SLOPES SHALL NOT BE STEEPER THAN 2:1 WITHOUT SPECIFIC GEOTECHNICAL DESIGN.
- ANY BLASTING OR HAMMERING OF LEDGE OR ROCK SHALL COMPLY WITH ALL APPLICABLE REGULATIONS.

G. EROSION CONTROL NOTES

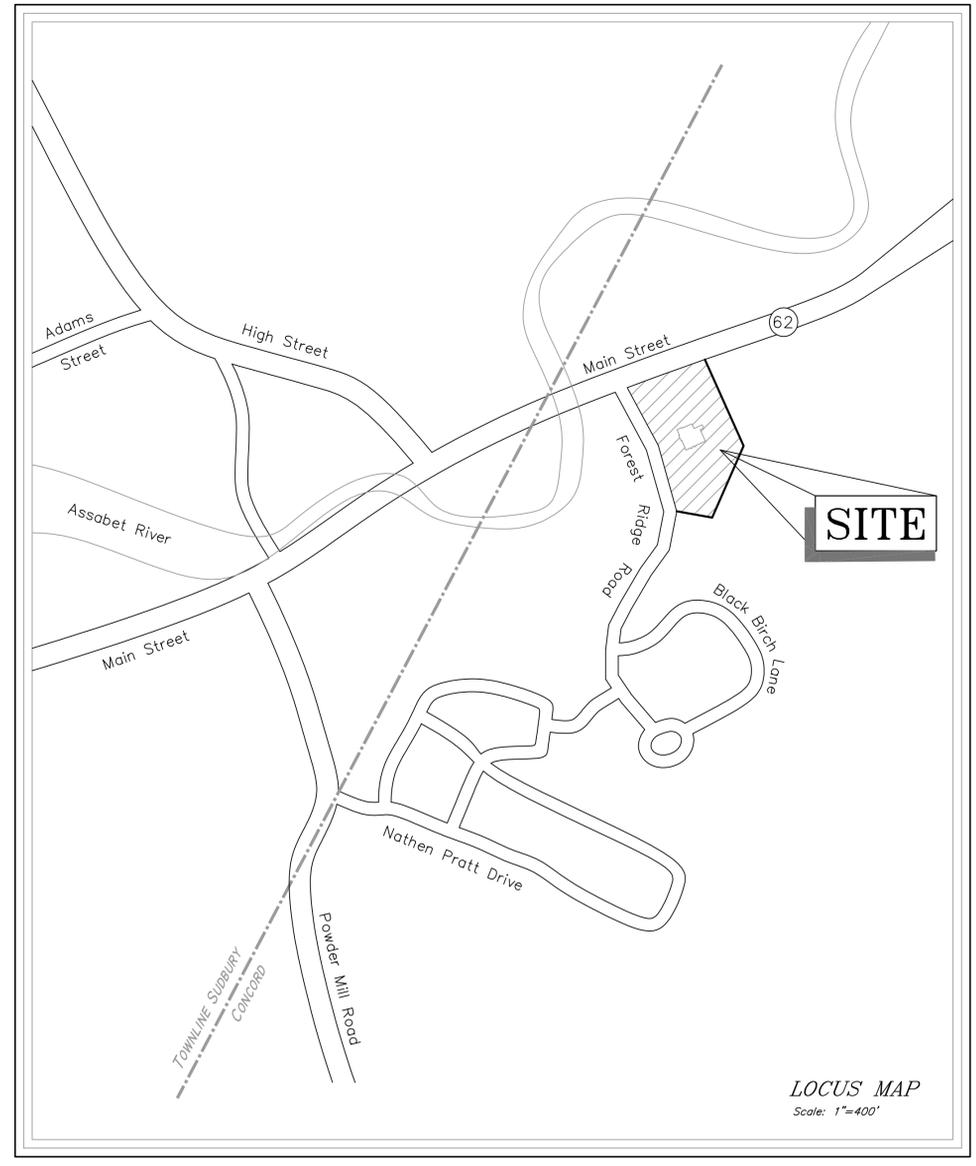
- EROSION AND SEDIMENT CONTROL PRACTICES INCLUDE THE USE OF THE FOLLOWING: STRAW BALE BARRIERS, SILT FENCE BARRIERS, FILTER SOCKS, AND GRASS AND/OR ROCK LINED SWALES. EROSION CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN ACCORDANCE WITH STANDARD PRACTICES OF THE U.S.D.A., SOIL CONSERVATION SERVICE.
- FILTER SOCKS SHALL BE INSTALLED ADJACENT TO ALL WETLAND AREAS DOWNSTREAM OF CONSTRUCTION ACTIVITY AND AT THE LIMITS OF CONSTRUCTION OF ALL WETLAND CROSSINGS. THEY ARE INTENDED PRIMARILY TO INTERCEPT AND FILTER SMALL VOLUMES OF "SHEET FLOWING" RUNOFF, OR AS SEDIMENT TRAPS IN SMALL SWALES. FILTER SOCKS & STRAW BALES HAVE A USEFUL LIFE OF 3 MONTHS WHEN WET AND THEREFORE MUST BE INSPECTED AND REPAIRED OR REPLACED PERIODICALLY. SILT SCREEN FENCES WILL FUNCTION 6 MONTHS OR LONGER IF KEPT FREE OF SEDIMENT ACCUMULATIONS.
- THE PURPOSE OF THE TEMPORARY EROSION CONTROL MEASURES IS TO LIMIT THE AMOUNT OF SOIL TRANSPORTED FROM ON-SITE AREAS TO OFF-SITE AREAS.
- THE FOLLOWING VEGETATIVE MEASURES SHALL BE USED TO PROVIDE BOTH TEMPORARY AND PERMANENT SOIL EROSION CONTROL:
 - TEMPORARY STOCKPILING: TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR LATER USE ON CRITICAL AREAS AND ALL OTHER AREAS TO BE SEED. THE STOCKPILE SHALL NOT BE COMPACTED AND SHALL BE STABILIZED AGAINST EROSION WITH TEMPORARY SEEDING.
- BEFORE ANY CONSTRUCTION ACTIVITY IS STARTED, ALL BUFFER AREAS INVOLVED SHALL BE MARKED BY FILTER SOCKS WHICH SHALL BE MAINTAINED UNTIL ALL SITE WORK IS COMPLETED.

B. TEMPORARY SEEDING:

- BEDDING** - REMOVE STONES AND TRASH THAT WILL INTERFERE WITH SEEDING THE AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT 3" TO PREPARE SEED BED AND MIX THE FERTILIZER INTO THE SOIL.
- FERTILIZER** - FERTILIZER SHOULD BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING TILLED INTO THE SOIL. A 10-10-10 MIX OF FERTILIZER SHOULD BE APPLIED AT A RATE OF 300 POUNDS PER ACRE (OR 7 POUNDS PER 1000 S.F.)
- SEED MIXTURES** - USE ANY OF THE FOLLOWING:

SPECIES	PER ACRE	PER 1000 S.F.	DATES	DEPTH
WINTER RYE	112 LBS.	2.5 LBS.	8/15 - 9/5	1"
OATS	30 LBS.	2.0 LBS.	SPRING - 5/15	1"
ANNUAL RYEGRASS	40 LBS.	1.0 LBS.	4/15 - 9/15	0.25"
- MULCHING** - WHERE IT IS IMPRACTICABLE TO INCORPORATE FERTILIZER AND SEED INTO MOIST SOIL, THE SEEDING AREA SHOULD BE MULCHED TO FACILITATE GERMINATION. MULCH IN THE FORM OF STRAW SHOULD BE APPLIED AT A RATE OF 70 TO 90 LBS. PER 1000 S.F.
- DUST CONTROL** WILL BE MONITORED THROUGHOUT ALL CONSTRUCTION PHASES. A COMMON TECHNIQUE OF DUST CONTROL INVOLVES SPRAYING OR WETTING OF THE PAVEMENT OR BASE COURSES DURING CONSTRUCTION. THIS WILL MINIMIZE THE AMOUNT OF DUST CREATED BY THE CONSTRUCTION.

- DISTURBED AREAS SHALL BE STABILIZED WITHIN 180 DAYS OF INITIAL ALTERATION.
- SURFACES CLEARED BUT THAT ARE NOT EXPECTED TO BE WORKED ON AGAIN WITHIN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES.
- SEEDING STABILIZATION SHALL OCCUR BETWEEN APRIL 1ST AND JUNE 15TH OR BETWEEN AUGUST 15TH AND OCTOBER 31ST.
- SILT SACKS SHALL BE INSTALLED AND MAINTAINED IN ALL CATCH BASIN INLETS UNTIL THE ENTIRE CONTRIBUTORY DRAIN AREA IS STABILIZED.
- DURING WINTER MONTHS EROSION CONTROL BARRIERS SHALL BE MAINTAINED. PRIOR TO GROUND FREEZING DAMAGED EROSION CONTROL BARRIERS SHALL BE REPLACED AND PROPERLY INCHURED. DURING WINTER MONTHS DISTURBANCE OF NEW AREAS SHALL BE LIMITED TO MINIMAL AREA REQUIRED TO MAINTAIN



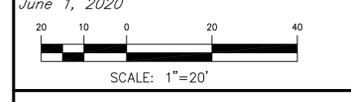
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STATE OF MASSACHUSETTS
JEFFREY A. BREM
CIVIL ENGINEER
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Note Sheet
35 FOREST RIDGE ROAD
CONCORD, MASSACHUSETTS
MAP 1A PARCEL 1

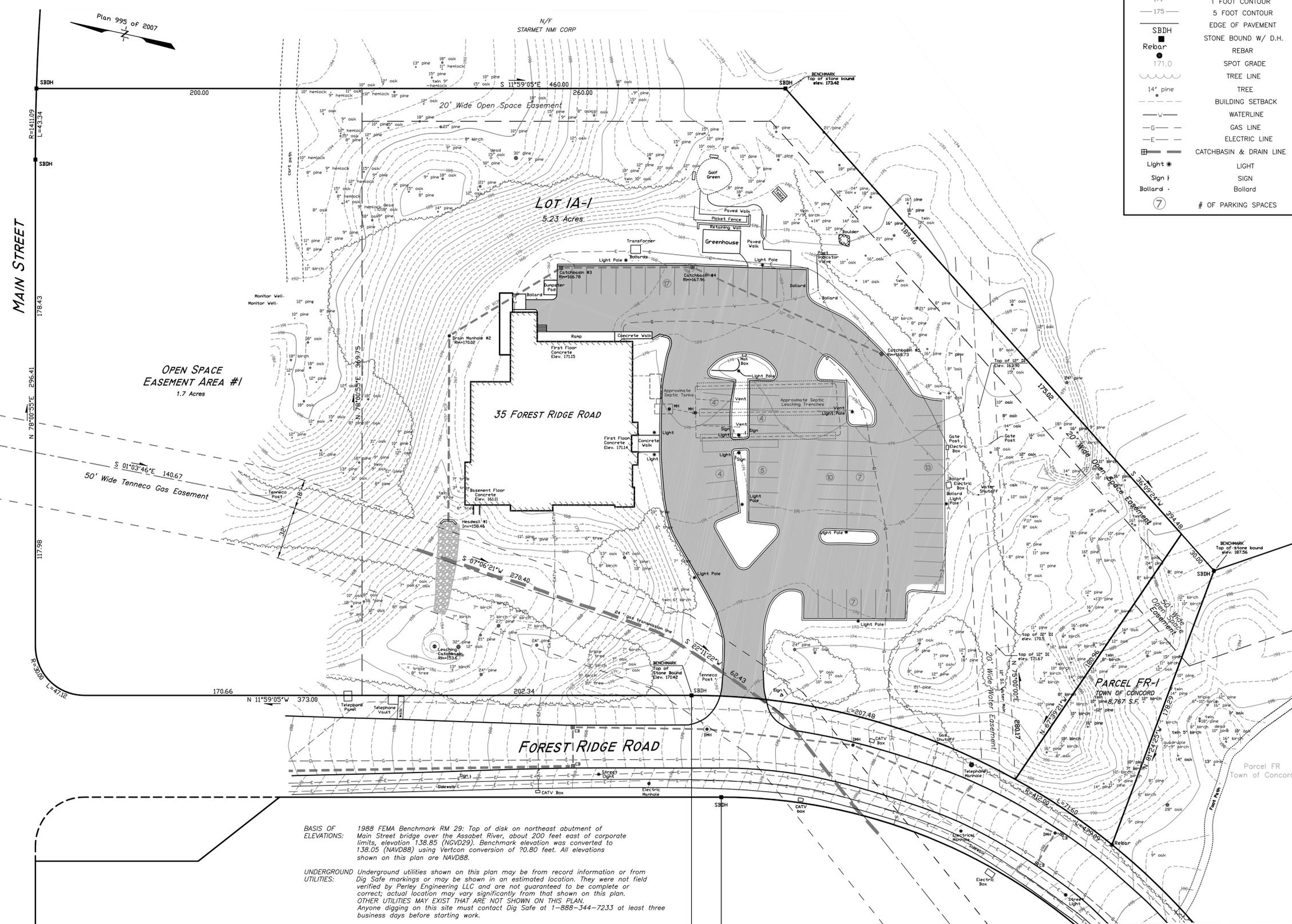
Prepared For:
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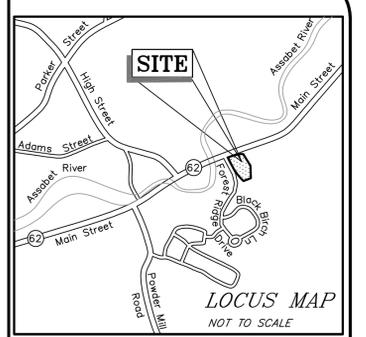
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DESIGNED BY: JAB SURVEYED BY: NM
DRAFTED BY: PDM JOB NUMBER: 2860
APPROVED BY: JAB 2860-Minuteman Base MBC.dwg

2 of 7



LEGEND-EXISTING CONDITIONS		
EXISTING	DESCRIPTION	PROPOSED
--- 171 ---	1 FOOT CONTOUR	[Symbol] 177
--- 175 ---	5 FOOT CONTOUR	[Symbol] 175
[Symbol]	EDGE OF PAVEMENT	[Symbol]
[Symbol]	STONE BOUND W/ D.H.	[Symbol]
[Symbol]	REBAR	[Symbol]
[Symbol]	SPOT GRADE	171x0
[Symbol]	TREE LINE	[Symbol]
[Symbol]	TREE	[Symbol]
[Symbol]	BUILDING SETBACK	[Symbol]
[Symbol]	WATERLINE	[Symbol]
[Symbol]	GAS LINE	[Symbol]
[Symbol]	ELECTRIC LINE	[Symbol]
[Symbol]	CATCHBASIN & DRAIN LINE	[Symbol]
[Symbol]	LIGHT	[Symbol]
[Symbol]	SIGN	[Symbol]
[Symbol]	BOLLARD	[Symbol]
[Symbol]	# OF PARKING SPACES	[Symbol]



Plan 995 of 2007

MAIN STREET

35 FOREST RIDGE ROAD

FOREST RIDGE ROAD

BASIS OF ELEVATIONS: 1988 FEMA Benchmark RM 29: Top of disk on northeast abutment of Main Street bridge over the Assabet River, about 200 feet east of corporate limits, elevation 138.85 (NGVD29). Benchmark elevation was converted to 138.05 (NAVD88) using Vertcon conversion of 70.80 feet. All elevations shown on this plan are NAVD88.

UNDERGROUND UTILITIES: Underground utilities shown on this plan may be from record information or from Dig Safe markings or may be shown in an estimated location. They were not field verified by Parley Engineering LLC and are not guaranteed to be complete or correct; actual location may vary significantly from that shown on this plan. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THIS PLAN. Anyone digging on this site must contact Dig Safe at 1-888-344-7233 at least three business days before starting work.

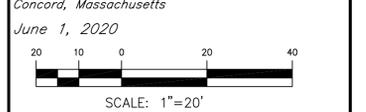
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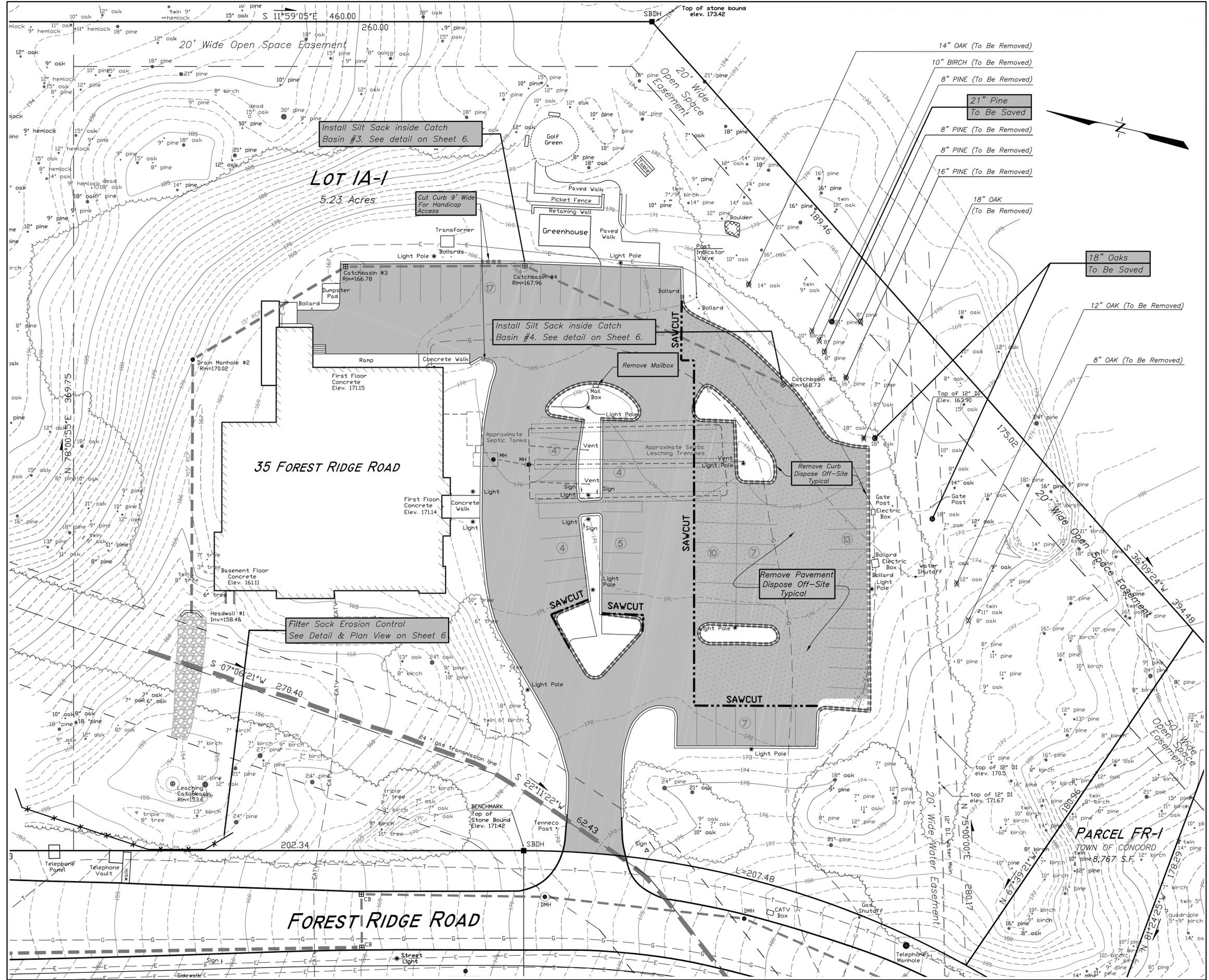
Existing Conditions Plan
 35 FOREST RIDGE ROAD
 CONCORD, MASSACHUSETTS
 MAP 1A PARCEL 1

Prepared For:
 Minute Man Arc for Human Services Inc
 35 Forest Ridge Road
 Concord, Massachusetts



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 2022 MAIN STREET, SALEM, NH 03079 (603) 893-3301

DESIGNED BY: JAB SURVEYED BY: NM
 DRAFTED BY: PDM JOB NUMBER: 2860 3 of 7
 APPROVED BY: JAB 2860-Minuteman Base MBC.dwg



LEGEND—EXISTING CONDITIONS		
EXISTING	DESCRIPTION	PROPOSED
-171-	1 FOOT CONTOUR	[171]
-175-	5 FOOT CONTOUR	[175]
—	EDGE OF PAVEMENT	—
SBDH	STONE BOUND W/ D.H.	■
Rebar	REBAR	—
171.0	SPOT GRADE	171x0
~	TREE LINE	~
14' pine	TREE	14' pine
—	BUILDING SETBACK	—
—	WATERLINE	—
—	GAS LINE	—
—	ELECTRIC LINE	—
—	CATCHBASIN & DRAIN LINE	—
Light *	LIGHT	
Sign †	SIGN	
Bollard •	Bollard	
⑦	# OF PARKING SPACES	⑦

LEGEND—DEMOLITION	
TREE TO BE REMOVED	⊗ 14' pine
TREE TO BE SAVED	⊙ 14' pine
---	Saw-Cut
---	Curbing To Be Removed
REMOVE PAVEMENT, DISCARD OFF-SITE, REGRADE PER PLAN, INSTALL BASE, PAVEMENT BINDER 2.5", TOP COAT 1.5"	

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Demolition & Erosion Control Plan
35 FOREST RIDGE ROAD
CONCORD, MASSACHUSETTS
MAP 1A PARCEL 1

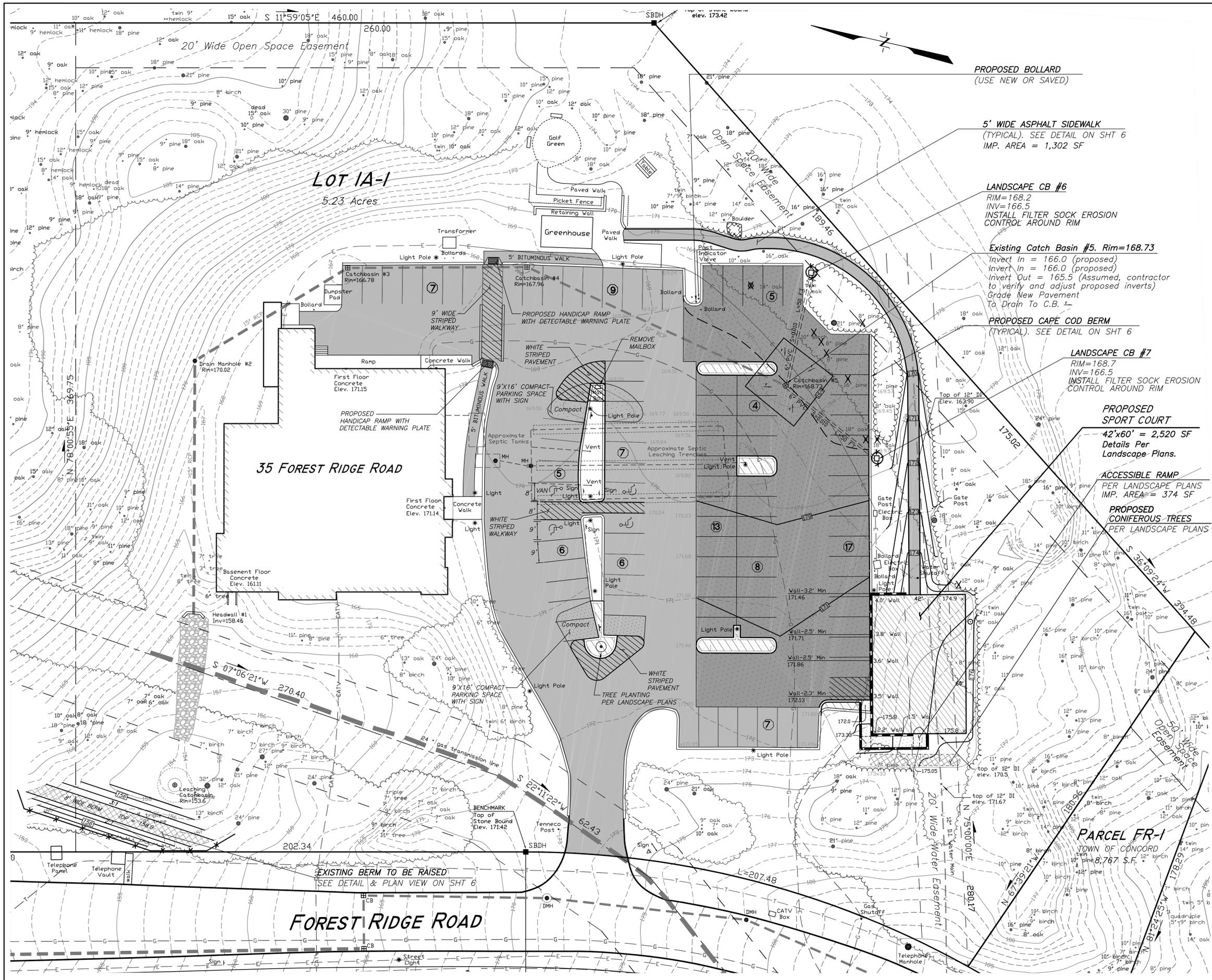
Prepared For:
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 35 Forest Ridge Road
 Concord, Massachusetts
 June 1, 2020

SCALE: 1"=20'

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DESIGNED BY: JAB SURVEYED BY: NM
 DRAFTED BY: POM JOB NUMBER: 2860
 APPROVED BY: JAB 2860-Minuteman Base MBC.dwg

4 OF 7



LEGEND-EXISTING CONDITIONS

EXISTING	DESCRIPTION	PROPOSED
--- 171 ---	1 FOOT CONTOUR	--- 171 ---
--- 175 ---	5 FOOT CONTOUR	--- 175 ---
SBDH	EDGE OF PAVEMENT	■
Rebar	STONE BOUND W/ D.H.	■
● 171.0	REBAR	■
○	SPOT GRADE	171x0
~	TREE LINE	~
14' pine	TREE	~
---	BUILDING SETBACK	---
W	WATERLINE	W
G	GAS LINE	G
E	ELECTRIC LINE	E
CB	CATCHBASIN & DRAIN LINE	CB
Light *	LIGHT	*
Sign #	SIGN	#
Bollard	Bollard	●
⑦	# OF PARKING SPACES	⑤
---	RETAINING WALL	---
---	RAILING	---
○ 14' pine	TREE TO BE REMOVED	○ 14' pine
○ 14' pine	TREE TO BE SAVED	○ 14' pine

LEGEND-PAVEMENT

Limit of Work

NEW PAVED PARKING
12" GRAVEL BASE
2.5" BINDER
1.5" TOP COAT

PROPOSED CURBING
CAPE COD BERM

AREA OF REMOVED
PAVEMENT TO BE
LOAM & SEED

PAINTED STRIPING

SPORT COURT FLOOR
PER LANDSCAPE PLANS

PROPOSED 5' WIDE
WALKWAY

PARKING TABLE

EXISTING SPACES	ADDITIONAL SPACES	TOTAL SPACES
71 SPACES	+ 23 SPACES	94 SPACES

TABLE OF IMPERVIOUS AREAS

TOTAL EXISTING IMPERVIOUS AREA:	44,922 SF
PAVED PARKING REMOVED:	-10,262 SF
PAVED PARKING ADDED:	+13,137 SF
PROPOSED SPORT COURT:	+1,520 SF
PROPOSED SIDEWALK:	+1,302 SF
PROPOSED RAMP:	+374 SF
TOTAL PROPOSED IMPERVIOUS AREA:	51,963 SF (7,041 SF NET INCREASE)

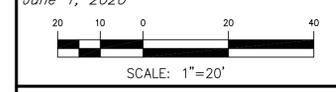
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CIVIL ENGINEER
No. 19117
STATE OF MASSACHUSETTS

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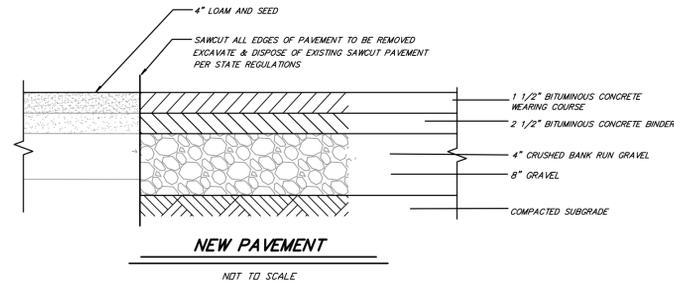
Site Plan
35 FOREST RIDGE ROAD
CONCORD, MASSACHUSETTS
MAP 1A PARCEL 1

Prepared For:
Minute Man Arc for Human Services Inc
35 Forest Ridge Road
Concord, Massachusetts
June 1, 2020



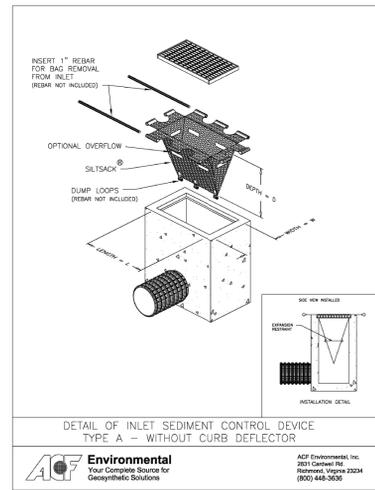
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DRAFTED BY: PDM JOB NUMBER: 2860
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NEW PAVEMENT

NOT TO SCALE



**DETAIL OF INLET SEDIMENT CONTROL DEVICE
TYPE A - WITHOUT CURB DEFLECTOR**

AF Environmental
Your Complete Source for
Geosynthetic Solutions

CATCH BASIN - SILT SACK

NOT TO SCALE

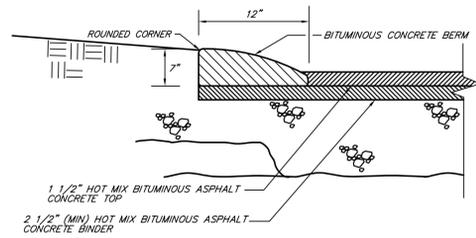
NOTE: SILT SACK TO BE INSTALLED ON EXISTING CATCH BASINS #3 & #4 AND SHALL REMAIN FOR THE DURATION OF CONSTRUCTION.



NDS LANDSCAPE CATCH BASIN KIT, PART NUMBER 1200BLKIT, OR EQUIVALENT

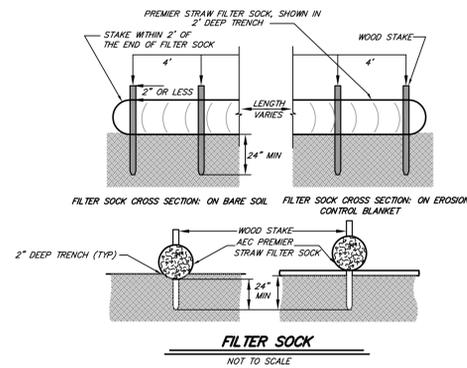
LANDSCAPE CATCH BASIN

NOT TO SCALE



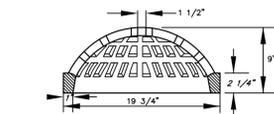
CAPE COD BERM DETAIL

NOT TO SCALE



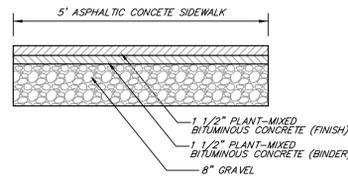
FILTER SOCK

NOT TO SCALE



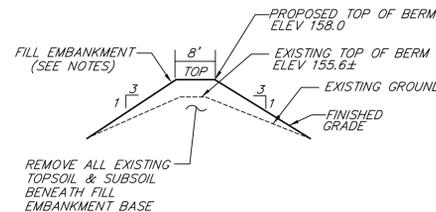
BEEHIVE GRATE (R-4351-C)

NOT TO SCALE
BEEHIVE GRATE SHALL BE CLEANED OF LEAVES AND SNOW AT LEAST TWICE A MONTH AND AFTER EVERY MAJOR SNOWFALL TO BE INSTALLED ON LEACHING CB



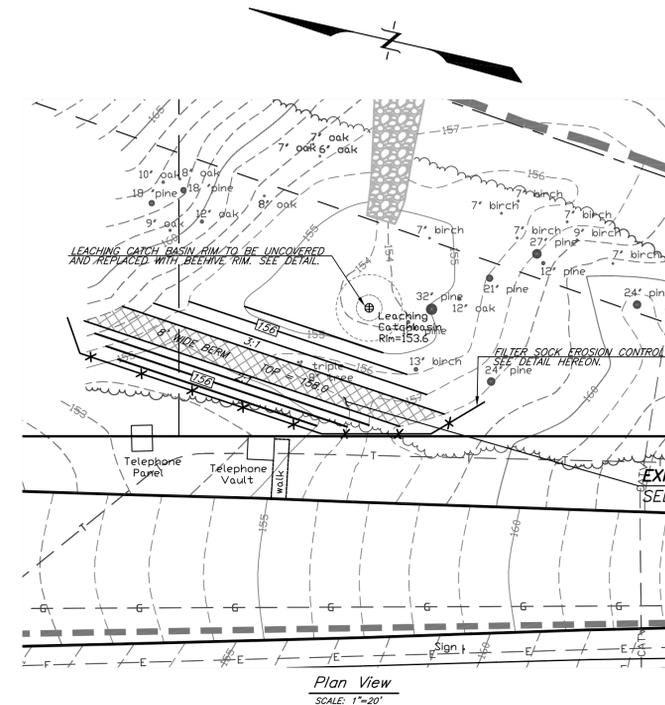
BITUMINOUS SIDEWALK DETAIL

NOT TO SCALE



NOTES

1. THE FILL MATERIAL SHALL BE POND SILT OR OTHER IMPERVIOUS MATERIAL. IT SHALL BE FREE OF ROOTS, WOODY VEGETATION, OVERSIZED STONES, ROCKS OR OTHER OBJECTIONABLE MATERIAL. AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SACRIFICED PRIOR TO PLACEMENT OF FILL.
2. FILL MATERIAL WILL BE PLACED IN 6 TO 8 INCH LAYERS AND SHALL BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL. COMPACTION WILL BE OBTAINED BY ROUTING THE HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF THE FILL IS TRAVERSED BY AT LEAST ONE TRACK/TREAD OF THE EQUIPMENT OR COMPACTION SHALL BE ACHIEVED BY THE USE OF A COMPACTOR. THE EMBANKMENT SHALL BE CONSTRUCTED TO AN ELEVATION 10 PERCENT HIGHER THAN THE DESIGN HEIGHT TO ALLOW FOR SETTLEMENT. IF COMPACTION IS OBTAINED WITH HAULING EQUIPMENT, IF COMPACTORS ARE USED FOR COMPACTION, THE OVERBUILD MAY BE REDUCED TO 5 PERCENT.
3. KEEP HEAVY CONSTRUCTION EQUIPMENT OFF OF BASIN AREA DURING AND AFTER CONSTRUCTION.
4. EXCAVATION DEWATERING & CONSTRUCTION SITE RUNOFF SHALL BE DIRECTED AWAY FROM BASIN AREA.



Plan View

SCALE: 1"=20'

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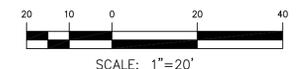
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Detail Sheet

**35 FOREST RIDGE ROAD
CONCORD, MASSACHUSETTS
MAP 1A PARCEL 1**

Prepared For:
**Minute Man Arc for Human
Services Inc**
35 Forest Ridge Road
Concord, Massachusetts

June 1, 2020



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BERM RE-GRADING AND CATCH BASIN REHABILITATION

