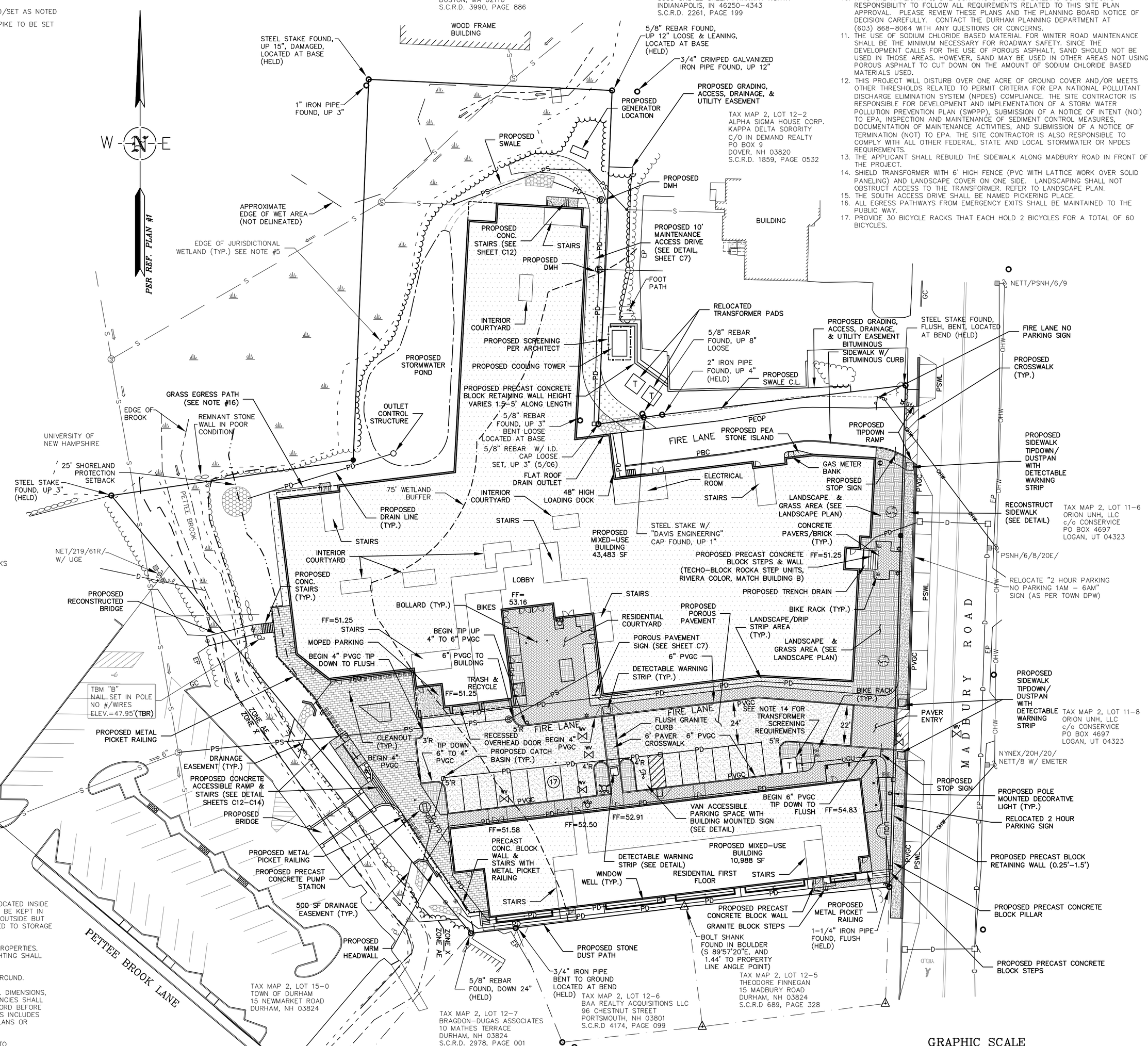
LEGEND

- UTILITY POLE & GUY WIRE
- UTILITY POLE W/ ONE LIGHT
- UTILITY POLE W/ TWO LIGHTS
- SIGN
- BOLT FOUND
- DRILL HOLE FOUND
- IRON PIPE/ROD OR RR SPIKE FOUND/SET AS NOTED
- 5/8" RE-BAR W/ ID CAP OR RR SPIKE TO BE SET
- METAL POST
- WOODEN POST
- SEWER MANHOLE
- GAS VALVE
- JURISDICTIONAL WETLAND SYMBOL
- CONIFEROUS TREE
- DECIDUOUS TREE
- SHRUB
- CONCRETE PAD
- DUMPSTER
- TYP. — TYPICAL
- RET. — RETAINING WALL
- EP — EDGE OF PAVEMENT
- SWL — SINGLE WHITE LINE
- SYL — SINGLE YELLOW LINE
- DYL — DOUBLE YELLOW LINE
- CONC. — CONCRETE
- EOG — EDGE OF GRAVEL
- CLF — CHAINLINK FENCE
- GC — GRANITE CURB
- OHW — OVERHEAD WIRES
- TREE LINE
- PROPOSED TREE LINE
- STONE WALL
- APPROX. PROPERTY LINES
- EDGE OF JURISDICTIONAL WETLAND (SEE NOTE #5)
- APPROX. FLOOD ZONE LINE
- 25' SHORELAND SETBACK
- 75' WETLAND SETBACK
- D — DRAIN LINE
- S — SEWER LINE
- OHW — OVERHEAD WIRES
- PD — PROPOSED DRAIN LINE
- PS — PROPOSED SEWER LINE
- OHW — PROPOSED OVERHEAD WIRES
- UGU — PROPOSED UNDERGROUND UTILITES
- FIRST FLOOR COMMERCIAL SPACE
- PERMEABLE CONCRETE PAVER BLOCKS
- CONCRETE PAVER BLOCKS
- POROUS ASPHALT
- PROPOSED LANDSCAPED AREA
- PSWL — PROPOSED SINGLE WHITE LINE
- PVGC — PROPOSED VERTICAL GRANITE CURB
- PBC — PROPOSED BITUMINOUS CURB
- PEOP — PROPOSED EDGE OF PAVEMENT
- 5'R — PAVEMENT RADIUS
- TBR — TO BE REMOVED
- NUMBER OF PARKING SPACES
- PROPOSED CATCH BASIN
- PROPOSED SEWER MANHOLE
- PROPOSED DRAIN MANHOLE
- PROPOSED WATER GATE VALVE
- PROPOSED HYDRANT
- PROPOSED GAS VALVE
- BICYCLE RACK FOR 2 BICYCLES

FINAL APPROVAL BY THE DURHAM PLANNING BOARD.
CERTIFIED BY _____
DATE _____

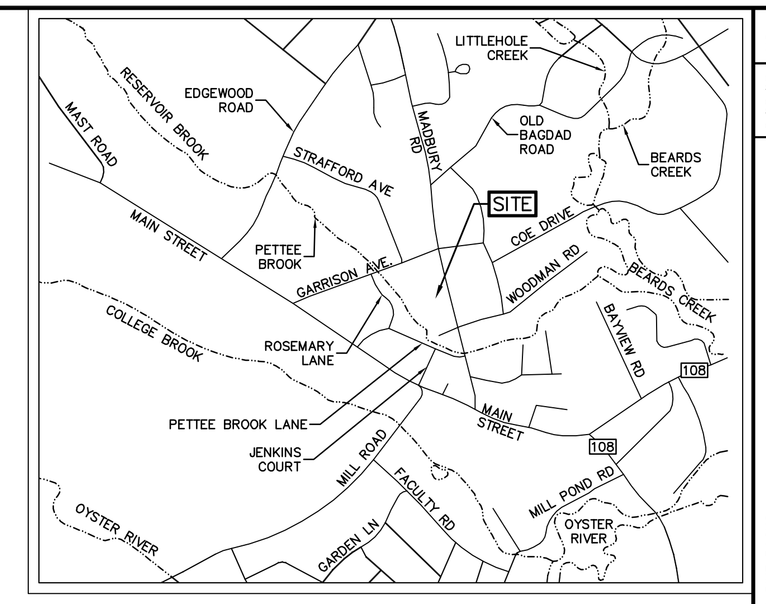


SITE PLAN NOTES:

1. SOLID WASTE TEMPORARY STORAGE FACILITIES SHALL BE LOCATED INSIDE PROPOSED BUILDING. ALL AREAS OF TRASH STORAGE WILL BE KEPT IN AN ORDERLY FASHION. SOLID WASTE SHALL NOT BE LEFT OUTSIDE BUT SHALL BE BROUGHT OUT AT TIME OF PICKUP AND RETURNED TO STORAGE FACILITY.
2. ALL LIGHTING SHALL BE DIRECTED AWAY FROM ABUTTING PROPERTIES. LIGHTING SHALL BE CUT-OFF TYPE FIXTURES. EGRESS LIGHTING SHALL COMPLY WITH MINIMUM BUILDING SAFETY CODES.
3. ALL ROOF DRAINS SHALL BE PROPERLY MAINTAINED YEAR ROUND.
4. THE GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. THIS INCLUDES DISCREPANCIES BETWEEN THESE PLANS AND ANY OTHER PLANS OR CONTRACT DOCUMENTS.
5. SNOW SHALL BE REMOVED FROM THE SITE, AS REQUIRED, TO ADEQUATELY MAINTAIN ALL VEHICLE AND PEDESTRIAN ACCESS WAYS AND PARKING SPACES. SNOW SHALL NOT BE PUSHED AGAINST TREES OR OTHER VEGETATION. IT IS THE PROPERTY OWNERS RESPONSIBILITY TO MAINTAIN SAFE ACCESS AT ALL TIMES.
6. ALL UTILITIES SERVICING THE SITE SHALL BE UNDERGROUND.
7. NO CUT TREES, STUMPS, DEBRIS, JUNK, RUBBISH, OR OTHER WASTE MATERIALS SHALL BE BURIED IN THE LAND, OR LEFT OR DEPOSITED ON SITE AT THE TIME THE CERTIFICATE OF OCCUPANCY IS ISSUED, OR AT ANY TIME AFTER THAT.

SITE PLAN NOTES CONTINUED:

8. ACCESS TO THE SITE FOR FIRE APPARATUS SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PROCESS. PLEASE CONTACT THE FIRE DEPARTMENT AT 868-5531 WITH ANY QUESTIONS ABOUT ACCESS REQUIREMENTS.
9. THIS APPROVAL IS FOR THE SITE PLAN ONLY. LIFE SAFETY CODE AND BUILDING CODE REVIEW WILL BE REQUIRED AS PART OF THE BUILDING PERMIT PROCESS WHEN THE CONSTRUCTION PLANS ARE SUBMITTED. VARIOUS REQUIREMENTS REGARDING THE BUILDING DESIGN MAY BE SPECIFIED AT THAT TIME. THE APPLICANT IS STRONGLY ENCOURAGED TO MEET WITH BUILDING AND FIRE OFFICIALS EARLY TO EXPEDITE THE REVIEW PROCESS.
10. IT IS THE APPLICANT'S, SITE CONTRACTOR'S, AND BUILDING CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL REQUIREMENTS RELATED TO THIS SITE PLAN APPROVAL. PLEASE REVIEW THESE PLANS AND THE PLANNING BOARD NOTICE OF DECISION CAREFULLY. CONTACT THE DURHAM PLANNING DEPARTMENT AT (603) 868-8064 WITH ANY QUESTIONS OR CONCERNS.
11. THE USE OF SODIUM CHLORIDE BASED MATERIAL FOR WINTER ROAD MAINTENANCE SHALL BE THE MINIMUM NECESSARY FOR ROADWAY SAFETY, SINCE THE DEVELOPMENT CALLS FOR THE USE OF POROUS ASPHALT, SAND SHOULD NOT BE USED IN THOSE AREAS. HOWEVER, SAND MAY BE USED IN OTHER AREAS NOT USING POROUS ASPHALT TO CUT DOWN ON THE AMOUNT OF SODIUM CHLORIDE BASED MATERIALS USED.
12. THIS PROJECT WILL DISTURB OVER ONE ACRE OF GROUND COVER AND/OR MEETS OTHER THRESHOLDS RELATED TO PERMIT CRITERIA FOR EPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COMPLIANCE. THE SITE CONTRACTOR IS RESPONSIBLE FOR DEVELOPMENT AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), SUBMISSION OF A NOTICE OF INTENT (NOI) TO EPA, INSPECTION AND MAINTENANCE OF SEDIMENT CONTROL MEASURES, DOCUMENTATION OF MAINTENANCE ACTIVITIES, AND SUBMISSION OF A NOTICE OF TERMINATION (NOT) TO EPA. THE SITE CONTRACTOR IS ALSO RESPONSIBLE TO COMPLY WITH ALL OTHER FEDERAL, STATE AND LOCAL STORMWATER OR NPDES REQUIREMENTS.
13. THE APPLICANT SHALL REBUILD THE SIDEWALK ALONG MADBURY ROAD IN FRONT OF THE PROJECT.
14. SHIELD TRANSFORMER WITH 6' HIGH FENCE (PVC WITH LATTICE WORK OVER SOLID PANELING) AND LANDSCAPE COVER ON ONE SIDE. LANDSCAPING SHALL NOT OBSTRUCT ACCESS TO THE TRANSFORMER. REFER TO LANDSCAPE PLAN.
15. THE SOUTH ACCESS DRIVE SHALL BE NAMED PICKERING PLACE.
16. ALL EGRESS PATHWAYS FROM EMERGENCY EXITS SHALL BE MAINTAINED TO THE PUBLIC WAY.
17. PROVIDE 30 BICYCLE RACKS THAT EACH HOLD 2 BICYCLES FOR A TOTAL OF 60 BICYCLES.



LOCUS
SCALE: 1"=1000'

SITE DATA BLOCK

PLAN INTENT: LOT REDEVELOPMENT WITH TWO NEW MULTI-STORY, MIXED USE BUILDINGS WITH RESIDENTIAL UNITS AND FIRST FLOOR COMMERCIAL.

ZONE: CB – CENTRAL BUSINESS DISTRICT

USE: COMMERCIAL & RESIDENTIAL

DIMENSIONAL REQUIREMENTS

	REQUIRED
MINIMUM LOT SIZE (SQUARE FEET)	5,000
MINIMUM LOT AREA PER DWELLING UNIT (S.F.)	900
MINIMUM FRONTAGE (FEET)	50
MINIMUM LOT SETBACKS	
FRONT (FEET)	NONE
SIDE (FEET)	NONE
REAR (FEET)	NONE
MAXIMUM ROAD SETBACK (FEET)	15
MAXIMUM HEIGHT (FEET)	30
MAXIMUM HEIGHT W/ P.B. APPROVAL (FEET)	50

RESIDENTIAL DEVELOPMENT DENSITY

REQUIRED: 900 S.F./D.U.
EXISTING LOT AREA = 113,442 SF (12-2 & 3)

MAXIMUM RESIDENTIAL DWELLING UNITS ALLOWED: $\frac{113,442 \text{ S.F.}}{900 \text{ S.F./D.U.}}$ = 126.0 DWELLING UNITS

PROPOSED DWELLING UNITS = 126

PARKING REQUIREMENTS

USE	RESIDENTS/AREA/SEATS	REQUIRED	PROVIDED (SEE NOTE 1)
RESIDENTIAL	490 RES.	1 SPACE/RESIDENT = 490 SPACES	0 SPACES
COMMERCIAL: RESEARCH TESTING	37,559	1 SPACE/400 SF = 94 SPACES	10 SPACES
RESTAURANT: (<4,000 SF)	3,174 10 EMPLOYEES	1 SPACE/100 SF + 1 SPACE/EMPLOYEE (MAX SHIFT) = 42 SPACES	7 SPACES
RETAIL/: PERSONAL SERVICE	2,662	1 SPACE/250 SF = 11 SPACES	
		637 SPACES	17 SPACES

NOTE 1: ARTICLE 21, SECTION 175-112.A ALLOWS EXEMPTIONS FROM PARKING REQUIREMENTS IN THE CB DISTRICT. REQUEST EXEMPTION FROM 620 SPACES.

GENERAL NOTES:

1. REFERENCE: TAX MAP 2, LOTS 12-3 & 12-4.
2. TOTAL PARCEL AREA: LOT 12-3: 9,676 SF (0.222 AC.), LOT 12-4: 103,766 SF (2.382 AC.)
3. OWNERS OF RECORD: TAX MAP 2, LOT 12-3 — GP MADBURY 17, LLC, 1 PLEASANT ST. UNIT 1A-21, WESTFORD, MA 01886, S.C.R.D. BOOK 4084 PAGE 888; TAX MAP 2, LOT 12-4 — ROSE LAWN PROPERTIES, LLC, 116 KING ROAD, BEDFORD, NH 03110, S.C.R.D. BOOK 2205 PAGE 489
4. FIELD SURVEY PERFORMED BY DOUCET SURVEY (C.R.C. & B.M.M.) ON 4/06 USING A LEICA 1105 TCRA TOTAL STATION & A SOKKIA B20 AUTO LEVEL, AND BY P.J.S. & L.P.S. DURING 12/12 USING A TRIMBLE S6 TOTAL STATION WITH A TRIMBLE TSC3 DATA COLLECTOR . TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
5. JURISDICTIONAL WETLANDS DELINEATED BY GZA GEOENVIRONMENTAL INC. DURING DECEMBER 2012 IN ACCORDANCE WITH 1987 CORPS OF ENGINEERS WETLANDS DELINEATIONS MANUAL, TECHNICAL REPORT Y-87-1.
6. FLOOD HAZARD ZONES: "X" (OUTSIDE THE 100 YEAR FLOOD ZONE) & "AE" (WITHIN 100 YEAR FLOOD ZONE) PER F.I.R.M. #33017C03180, DATED 5/17/05.
7. HORIZONTAL DATUM BASED ON REFERENCE PLAN #2.
8. VERTICAL DATUM BASED ON NAVD88 PER DISK UNH3 ELEVATION =76.72' (TO CONVERT TO NAVD29 ADD 0.72').
9. THE PARCELS ARE SUBJECT TO, AND/OR IN BENEFIT OF, THE FOLLOWING EASEMENTS RESTRICTIONS, ETC.
   - A) SUBJECT TO A 20' WIDE SEWER EASEMENT IN FAVOR OF THE TOWN OF DURHAM, SEE S.C.R.D. BOOK 809 PAGE 319.
   - B) SUBJECT TO A UTILITY EASEMENT IN FAVOR OF NH ELECTRIC COMPANY AND NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY, SEE S.C.R.D BOOK 658 PAGE 41.
   - C) SUBJECT TO A 20' WIDE SEWER EASEMENT IN FAVOR OF THE NH COLLEGE OF AGRICULTURE AND MECHANIC ARTS, SEE S.C.R.D BOOK 367 PAGE 443.
   - D) SUBJECT TO A PARKING EASEMENT IN FAVOR OF TAX MAP 2 LOT 12-2, SEE S.C.R.D. BOOK 1060 PAGE 318.
   - E) IN BENEFIT OF AN 8' WIDE LANDSCAPING EASEMENT OVER TAX MAP 2 LOT 12-2, SEE S.C.R.D. BOOK 1060 PAGE 320.
   - F) SUBJECT TO THE RESTRICTION THAT THE NORTHERLY PORTION OF THE LOT, WHICH WAS ACQUIRED BY DEED 1060 PAGE 313, SHALL "BE USED ONLY AS A PARKING LOT". IN ADDITION, ACCORDING TO REFERENCE PLAN #7, "THIS PARCEL IS A NON-BUILDING LOT".
   - G) IN BENEFIT OF A 20' WIDE SEWER EASEMENT OVER TAX MAP 2 LOT 15-0, SEE S.C.R.D. BOOK 359 PAGE 389.
   - H) SUBJECT TO AND IN BENEFIT OF SEWER AND WATER RIGHTS, SEE S.C.R.D. BOOK 371 PAGE 39.
   - I) SUBJECT TO WATER LINE RIGHTS GRANTED TO CHARLES PETTEE, SEE S.C.R.D. BOOK 390 PAGE 364.
10. EASEMENTS D, E, & F ARE BEING DISSOLVED AND NEW EASEMENTS WILL BE PREPARED FOR DRAINAGE AND GRADING ON MAP 2 LOT 12-2.
11. FOR MORE INFORMATION ABOUT THIS SITE PLAN, OR TO SEE THE COMPLETE PLAN SET, CONTACT THE TOWN OF DURHAM PLANNING DEPARTMENT, 15 NEWMARKET ROAD, DURHAM, NH 03824. (603) 868-8064.

REFERENCE PLANS:

1. "EXISTING CONDITIONS PLAN OF 17 & 21 MADBURY ROAD FOR GOLDEN GOOSE PROPERTIES, LLC, DURHAM, NEW HAMPSHIRE" PREPARED BY DOUCET SURVEY, INC. AND DATED DECEMBER 12, 2012.
2. "ALTA/ACSM LAND TITLE SURVEY FOR N.H. BETA ASSOC. OF SIGMA ALPHA EPSILON," BY DOUCET SURVEY, INC., DATED APRIL 30, 1999.
3. "EXISTING CONDITIONS PLAN OF TAX MAP 2, LOTS 15-0 & 15-1 FOR THE TOWN OF DURHAM, PETTEE BROOK ROAD, DURHAM, NH PREPARED BY DOUCET SURVEY, INC. AND DATED JANUARY 16, 2008.

UTILITIES NOTE:
ALL ELECTRIC, GAS, TELEPHONE, WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC FASHION. THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATION FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE: 1-888-DIG-SAFE (1-888-344-7233)

NO.	DATE	REVISIONS
13.	6/10/15	ADDED EXTERIOR BIKE RACKS
12.	5/20/15	SUBMISSION FOR AMENDED SITE PLAN REVIEW
11.	11/21/14	ADD COOLING TOWER & REVISE TRANSFORMER LAYOUT
10.	6/25/14	ISSUED FOR CONSTRUCTION
9.	6/11/14	REVISIONS PER 6/10/14 COA REVIEW MEETING WITH TOWN PLANNER
8.	5/28/14	INITIAL SUBMISSION FOR COA REVIEW BY TOWN PLANNER

SEAL: NEW HAMPSHIRE — MICHAEL J. SIEVERT No. 6337 — PROFESSIONAL ENGINEER — LICENSED TO PRACTICE IN CIVIL ENGINEERING

DATE: 10/16/13
SCALE: 1"=30'
DESIGNED BY: MJS
DRAWN BY: MS
APPROVED BY: MJS
DWG FILE: 13-007 C1Z.dwg

PROPOSED SITE PLAN
prepared for
MADBURY COMMONS
17 & 21 MADBURY ROAD DURHAM, NH

MJS ENGINEERING, PC
CIVIL ENVIRONMENTAL CONSULTING ENGINEERING
5 RAILROAD ST., P.O. BOX 359
NEWMARKET, NEW HAMPSHIRE 03857
PHONE: (603) 659-4079, FAX: (603) 659-4027
E-MAIL: MJS@MJS-ENGINEERING.COM

JOB: 13-007

C1

GRADING & EROSION CONTROL NOTES:

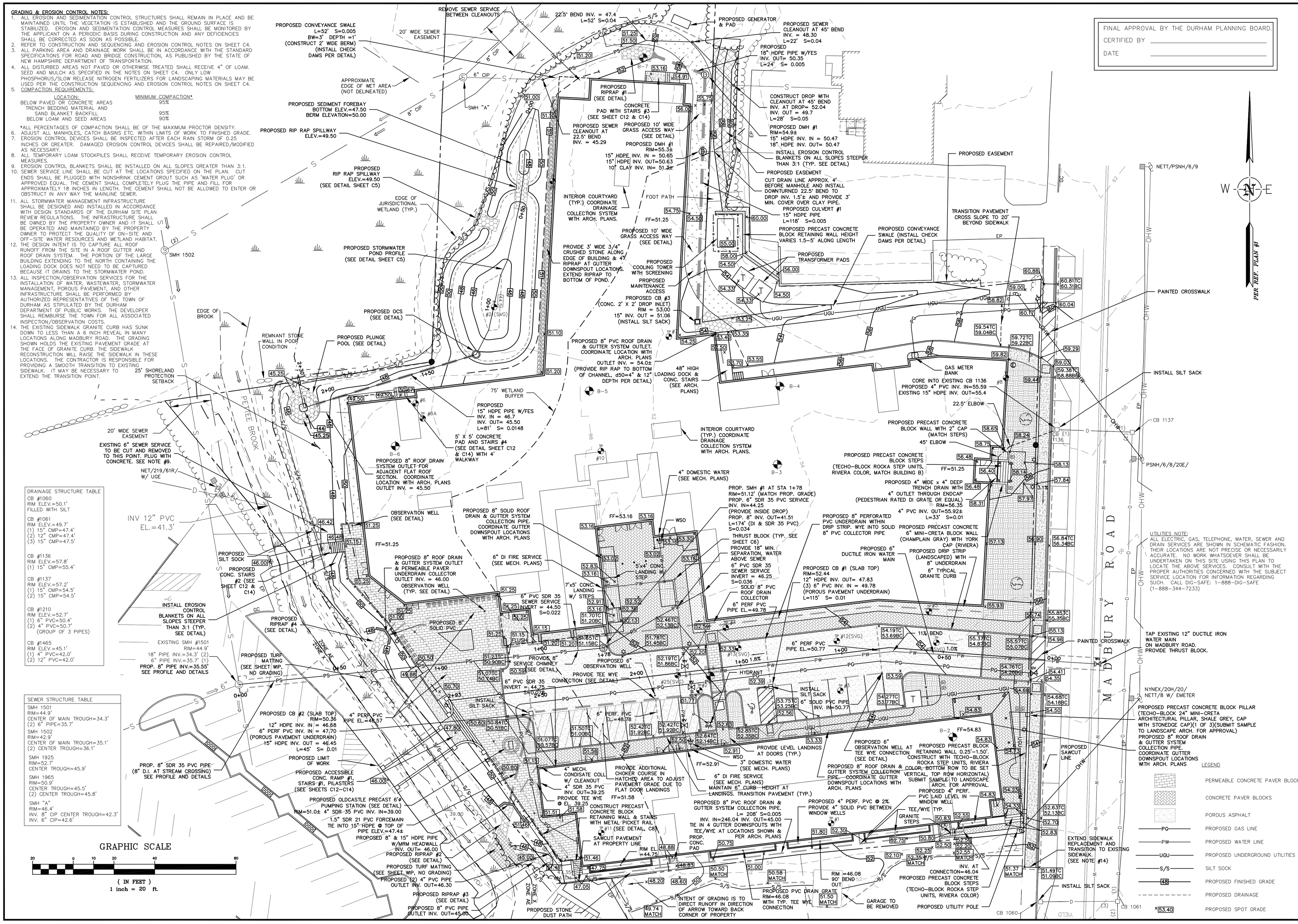
1. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE VEGETATION IS ESTABLISHED AND THE GROUND SURFACE IS STABILIZED. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MONITORED BY THE APPLICANT ON A PERIODIC BASIS DURING CONSTRUCTION AND ANY DEFICIENCIES SHALL BE CORRECTED AS SOON AS POSSIBLE.
2. REFER TO CONSTRUCTION AND SEQUENCING AND EROSION CONTROL NOTES ON SHEET C4.
3. ALL PARKING AREA AND DRAINAGE WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PUBLISHED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
4. ALL DISTURBED AREAS NOT PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" OF LOAM. SEED AND MULCH AS SPECIFIED IN THE NOTES ON SHEET C4. ONLY LOW PHOSPHORUS/SLOW RELEASE NITROGEN FERTILIZERS FOR LANDSCAPING MATERIALS MAY BE USED PER THE CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES ON SHEET C4.
5. COMPACTION REQUIREMENTS:

LOCATION:	MINIMUM COMPACTION*
BELOW PAVED OR CONCRETE AREAS	95%
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL	95%
BELOW LOAM AND SEED AREAS	90%

*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM PROCTOR DENSITY.

6. ADJUST ALL MANHOLES, CATCH BASINS ETC. WITHIN LIMITS OF WORK TO FINISHED GRADE.
7. EROSION CONTROL DEVICES SHALL BE INSPECTED AFTER EACH RAIN STORM OF 0.25 INCHES OR GREATER. DAMAGED EROSION CONTROL DEVICES SHALL BE REPAIRED/MODIFIED AS NECESSARY.
8. ALL TEMPORARY LOAM STOCKPILES SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES.
9. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES GREATER THAN 3:1.
10. SEWER SERVICE LINE SHALL BE CUT AT THE LOCATIONS SPECIFIED ON THE PLAN. CUT ENDS SHALL BE PLUGGED WITH NONSHRINK CEMENT GROUT SUCH AS "WATER PLUG" OR APPROVED EQUAL. THE CEMENT SHALL COMPLETELY PLUG THE PIPE AND FILL FOR APPROXIMATELY 18 INCHES IN LENGTH. THE CEMENT SHALL NOT BE ALLOWED TO ENTER OR OBSTRUCT IN ANY WAY THE MAINLINE SEWER.
11. ALL STORMWATER MANAGEMENT INFRASTRUCTURE SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH DESIGN STANDARDS OF THE DURHAM SITE PLAN REVIEW REGULATIONS. THE INFRASTRUCTURE SHALL BE OWNED BY THE PROPERTY OWNER AND IT SHALL BE OPERATED AND MAINTAINED BY THE PROPERTY OWNER TO PROTECT THE QUALITY OF ON-SITE AND OFF-SITE WATER RESOURCES AND WETLAND HABITAT.
12. THE DESIGN INTENT IS TO CAPTURE ALL ROOF RUNOFF FROM THE SITE IN A ROOF GUTTER AND ROOF DRAIN SYSTEM. THE PORTION OF THE LARGE BUILDING EXTENDING TO THE NORTH CONTAINING THE LOADING DOCK DOES NOT NEED TO BE CAPTURED BECAUSE IT DRAINS TO THE STORMWATER POND.
13. ALL INSPECTION/OBSERVATION SERVICES FOR THE INSTALLATION OF WATER, WASTEWATER, STORMWATER MANAGEMENT, POROUS PAVEMENT, AND OTHER INFRASTRUCTURE SHALL BE PERFORMED BY AUTHORIZED REPRESENTATIVES OF THE TOWN OF DURHAM AS STIPULATED BY THE DURHAM DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REIMBURSE THE TOWN FOR ALL ASSOCIATED INSPECTION/OBSERVATION COSTS.
14. THE EXISTING SIDEWALK GRANITE CURB HAS SUNK DOWN TO LESS THAN A 6 INCH REVEAL IN MANY LOCATIONS ALONG MADBURY ROAD. THE GRADING SHOWN HOLDS THE EXISTING PAVEMENT GRADE AT THE FACE OF GRANITE CURB. THE SIDEWALK RECONSTRUCTION WILL RAISE THE SIDEWALK IN THESE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SMOOTH TRANSITION TO EXISTING SIDEWALK. IT MAY BE NECESSARY TO EXTEND THE TRANSITION POINT.

FINAL APPROVAL BY THE DURHAM PLANNING BOARD.
CERTIFIED BY _____
DATE _____



DRAINAGE STRUCTURE TABLE

CB #1060
RIM ELEV.=50.1'
FILLED WITH SILT

CB #1061
RIM ELEV.=49.7'
(1) 15" CMP=47.4'
(2) 12" CMP=47.4'
(3) 15" CMP=47.5'

CB #1136
RIM ELEV.=57.8'
(1) 15" CMP=55.4'

CB #1137
RIM ELEV.=57.2'
(1) 15" CMP=54.5'
(2) 15" CMP=54.5'

CB #1210
RIM ELEV.=52.7'
(1) 6" PVC=50.4'
(2) 4" PVC=50.7'
(GROUP OF 3 PIPES)

CB #1465
RIM ELEV.=45.1'
(1) 4" PVC=42.0'
(2) 12" PVC=42.0'

SEWER STRUCTURE TABLE

SMH 1501
RIM=44.9'
CENTER OF MAIN TROUGH=34.3'
(2) 6" PIPE=35.7'

SMH 1502
RIM=42.9'
CENTER OF MAIN TROUGH=35.1'
(2) CENTER TROUGH=36.1'

SMH 1925
RIM=52.7'
CENTER TROUGH=45.9'

SMH 1965
RIM=50.9'
CENTER TROUGH=45.5'
(2) CENTER TROUGH=45.8'

SMH "A"
RIM=46.4'
INV. 8" CIP CENTER TROUGH=42.3'
INV. 6" CIP=42.6'

NO.	REVISIONS	DATE	INT.
11.	ADDED EXTERIOR BIKE RACKS	6/10/15	MJS
10.	SUBMISSION FOR AMENDED SITE PLAN REVIEW	5/20/15	MJS
9.	ISSUED FOR CONSTRUCTION	6/25/14	MJS
8.	REVISIONS PER 6/10/14 COA REVIEW MEETING WITH TOWN PLANNER	6/21/14	MJS
7.	REVISIONS PER NHDES WASTEWATER ENGINEERING BUREAU LETTER DATED 5/23/14	6/6/14	MJS
6.	INITIAL SUBMISSION FOR COA REVIEW BY TOWN PLANNER	5/28/14	MJS

SEAL: NEW HAMPSHIRE LICENSED PROFESSIONAL ENGINEER MICHAEL J. SEVERY No. 6337 CIVIL ENGINEER

DATE: 10/16/13
SCALE: 1"=20'
DESIGNED BY: MJS
DRAWN BY: MS
APPROVED BY: MJS
DWG FILE: 13-007 C12.dwg

UTILITIES, GRADING, DRAINAGE & EROSION CONTROL PLAN

prepared for

MADBURY COMMONS

17 & 21 MADBURY ROAD DURHAM, NH

MJS ENGINEERING, PC
CIVIL ENVIRONMENTAL CONSULTING ENGINEERING
5 RAILROAD ST., P.O. BOX 559 NEWMARKET, NEW HAMPSHIRE
PHONE: (603) 659-6179 FAX: (603) 659-6627
E-MAIL: MJS@MJS-ENGINEERING.COM

LEGEND

- PERMEABLE CONCRETE PAVER BLOCKS
- CONCRETE PAVER BLOCKS
- POROUS ASPHALT
- PG — PROPOSED GAS LINE
- PW — PROPOSED WATER LINE
- UGU — PROPOSED UNDERGROUND UTILITIES
- S/S — SILT SOCK
- 48 — PROPOSED FINISHED GRADE
- PROPOSED DRAINAGE
- ×53.40 — PROPOSED SPOT GRADE

JOB: 13-007

C2