

COMMERCIAL SITE PLAN

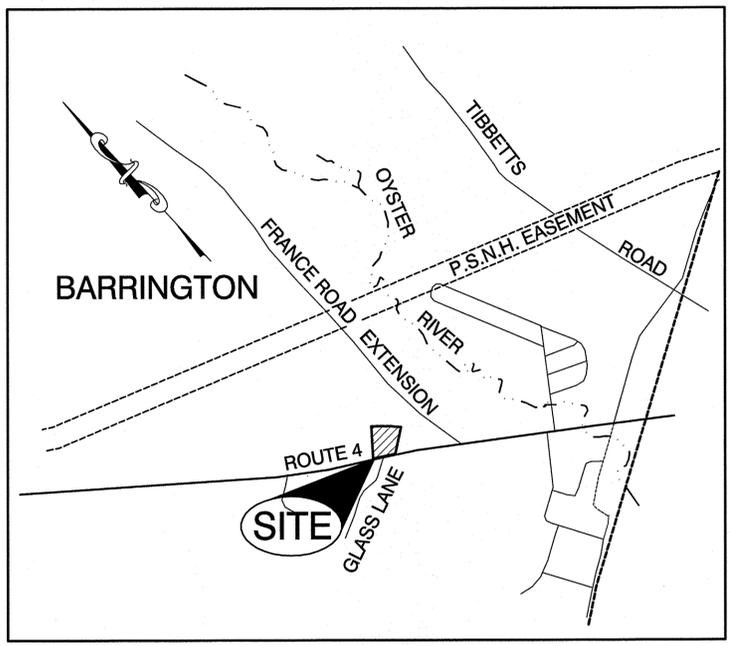
THE YELLOW DOG'S BARN, LLC.

TAX MAP 270 LOT 71

N.H. ROUTE 4, BARRINGTON, NH 03825

SHEET INDEX

CS	COVER SHEET
C1	EXISTING CONDITIONS PLAN
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HA1	HIGHWAY ACCESS PLAN
S1	EFFLUENT DISPOSAL DESIGN
D1	DETAIL SHEETS
E1	EROSION AND SEDIMENT CONTROL DETAILS



LOCUS MAP
SCALE 1" = 1000'

GENERAL LEGEND		DESCRIPTION
EXISTING	PROPOSED	
---	---	PROPERTY LINES
---	---	SETBACK LINES
---	---	CENTERLINE
---	---	FRESHWATER WETLANDS LINE
---	---	TIDAL WETLANDS LINE
---	---	STREAM CHANNEL
---	---	TREE LINE
---	---	STONEWALL
---	---	BARBED WIRE
---	---	FENCE
---	---	STOCKADE FENCE
---	---	SOIL BOUNDARY
---	---	AQUIFER PROTECTION LINE
---	---	FLOOD PLAIN LINE
---	---	ZONELINE
---	---	EASEMENT
100	100	MAJOR CONTOUR
98	98	MINOR CONTOUR
---	---	EDGE OF PAVEMENT
WS	WS	WATER LINE
WS	WS	WATER SERVICE
OHE	OHE	OVERHEAD ELECTRIC
UGE	UGE	UNDERGROUND ELECTRIC
○	○	GUARDRAIL
○	○	IRON PIPE/IRON ROD
○	○	DRILL HOLE
○	○	IRON ROD/DRILL HOLE
○	○	STONE/GRANITE BOUND BENCHMARK (TBM)
○	○	SINGLE POST SIGN
○	○	WELL
○	○	TEST PIT
○	○	PERC TEST
○	○	TREES AND BUSHES
○	○	UTILITY POLE
○	○	HYDRANT
○	○	WATER GATE
○	○	WATER SHUT OFF
○	○	DRAINAGE FLOW DIRECTION
○	○	FRESHWATER WETLANDS
○	○	STABILIZED CONSTRUCTION ENTRANCE
○	○	CONCRETE
○	○	GRAVEL
○	○	SNOW STORAGE
○	○	RETAINING WALL

PERMITS

TYPE OF PERMIT	STATUS
NHDOT DRIVEWAY PERMIT: NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, DISTRICT SIX P.O. BOX 740 DURHAM, NEW HAMPSHIRE 03824 (603) 868-1133 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 2/6/2013 PERMIT NO. DATED: EXPIRATION:
NHDES SUBSURFACE DISPOSAL DESIGN PERMIT: NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES - SUBSURFACE SYSTEMS BUREAU 29 HAZEN DRIVE, P.O. BOX 95 CONCORD, NEW HAMPSHIRE 03302-0095 (603) 271-3503 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 1/24/2013 PERMIT NO. DATED: EXPIRATION:
BARRINGTON SITE PLAN APPROVAL: TOWN OF BARRINGTON PLANNING BOARD PO BOX 660, 333 CALEF HIGHWAY BARRINGTON, NH 03825 (603)-664-5798 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 1/16/13 PERMIT NO. DATED: EXPIRATION:
BARRINGTON SPECIAL USE PERMIT: TOWN OF BARRINGTON PLANNING BOARD PO BOX 660, 333 CALEF HIGHWAY BARRINGTON, NH 03825 (603)-664-5798 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 1/16/13 PERMIT NO. DATED: EXPIRATION:

USEPA NPDES PHASE II CONSTRUCTION GENERAL PERMIT, NOTICE OF INTENT (NOI), AND NOTICE OF TERMINATION (NOT) TO BE FILED IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS PRIOR TO AND FOLLOWING CONSTRUCTION:
EPA STORMWATER NOTICE PROCESSING CENTER
MAIL CODE 4203M,
US EPA
1200 PENNSYLVANIA AVENUE, NW
WASHINGTON, DC 20460
RESPONSIBLE CONSULTANT:
JONES & BEACH ENGINEERS, INC.

NOTES:

- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE OWNER SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- IN ACCORDANCE WITH TOWN REGULATIONS AND RSA 676:13, ALL IMPROVEMENTS SPECIFIED ON THESE SITE PLANS SHALL BE CONSTRUCTED, COMPLETED, INSPECTED AND APPROVED BY THE TOWN OF BARRINGTON PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- IN ACCORDANCE WITH BARRINGTON SITE PLAN REVIEW REGULATIONS AND RSA 676:12, ALL OFF-SITE IMPROVEMENTS SPECIFIED ON THESE SITE PLANS SHALL BE CONSTRUCTED, COMPLETED, INSPECTED AND APPROVED BY THE TOWN OF BARRINGTON (AND/OR THE NHDOT, IF APPLICABLE) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

PROJECT PARCEL TOWN OF BARRINGTON, NH TAX MAP 270, LOT 71
APPLICANT/OWNER HOLLY GRANT 136 OLD CONCORD TURNPIKE BARRINGTON, NH 03825 BK 3851, PG 0446

TOTAL LOT AREA 50,472 SQ. FT. 1.16 ACRES

**APPROVED - BARRINGTON, NH
PLANNING BOARD**

DATE:

APPLICANT / APPLICANT
THE YELLOW DOG'S BARN, LLC
136 OLD CONCORD TURNPIKE
BARRINGTON, NH 03825
(603) 868-3647
CONTACT: HOLLY GRANT

CIVIL ENGINEER / SURVEYOR
JONES & BEACH ENGINEERS, INC.
85 PORTSMOUTH AVENUE
PO BOX 219
STRATHAM, NH 03885
(603) 772-4746
CONTACT: BARRY GIER
EMAIL: BGIER@JONESANDBEACH.COM

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Design: BWG	Draft: GPC	Date: 1/16/13
Checked: WGM	Scale: AS NOTED	Project No.: 12175
Drawing Name: 12175-PLAN.dwg		
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.		



REV.	DATE	REVISION	BY
1	2/27/13	REVISED PER TOWN COMMENTS	BWG
0	1/16/13	ISSUED FOR REVIEW	GPC

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. PO Box 219 Stratham, NH 03885

Civil Engineering Services

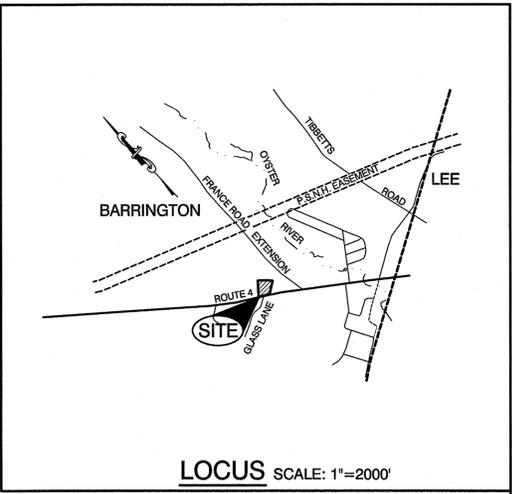
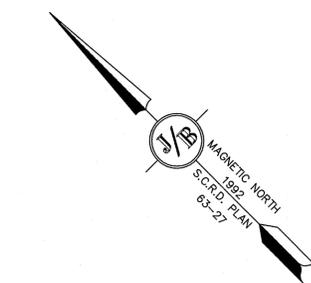
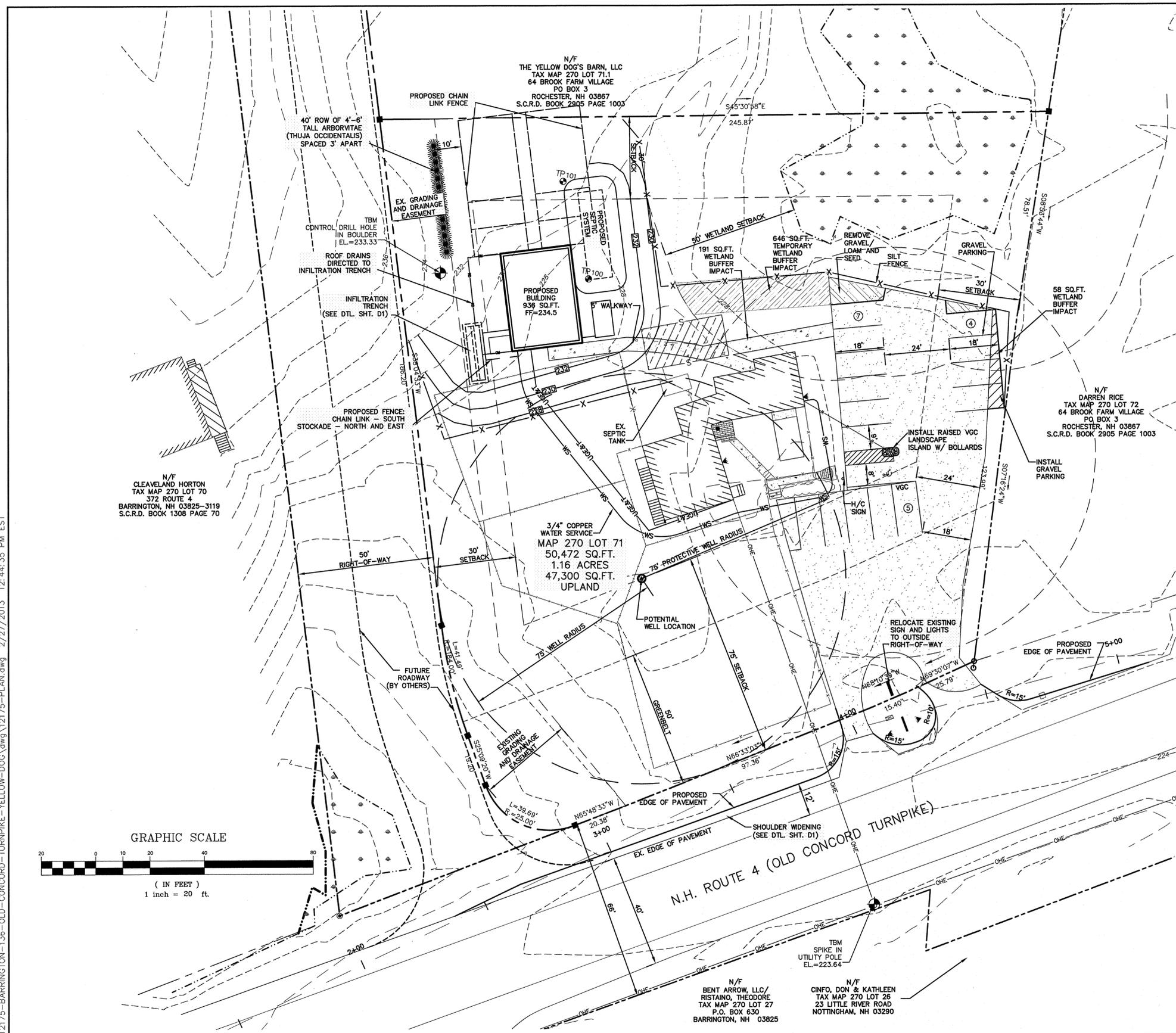
603-772-4746
FAX: 603-772-0227
E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	COVER SHEET
Project:	THE YELLOW DOG'S BARN, LLC. N.H. ROUTE 4, BARRINGTON, NH 03825
Owner of Record:	THE YELLOW DOG'S BARN, LLC 136 OLD CONCORD TURNPIKE, BARRINGTON, NH 03825

DRAWING No.	CS
SHEET 1 OF 7	JBE PROJECT NO. 12175

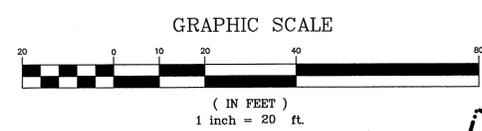
YELLOW DOG, BARRINGTON, NH 03825, 1/16/13, JBE # 12175

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SITE NOTES:

- THE INTENT OF THIS PLAN IS TO DEPICT THE PROPOSED CONSTRUCTION OF A 936 SQ.FT. AUXILIARY BUILDING WITH ASSOCIATED PARKING. THE PROPOSED AUXILIARY BUILDING WILL OPERATE AS AN OVERNIGHT KENNEL WITH A ONE-BEDROOM APARTMENT ABOVE. PROPOSED BUILDING TO BE SERVICED BY EXISTING ON-SITE WELL AND PROPOSED SEPTIC. A COPY OF THIS PLAN IS TO BE FILED AT THE TOWN OF BARRINGTON TOWN OFFICES.
- ZONING DISTRICT: REGIONAL COMMERCIAL
 LOT AREA MINIMUM = 40,000 SF
 LOT FRONTAGE MINIMUM = 200'
 BUILDING SETBACKS (MINIMUM):
 FRONT SETBACK = 75'
 SIDE SETBACK = 30'
 REAR SETBACK = 30'
 WETLAND SETBACK = 50'
 MAX. BUILDING HEIGHT = 40'
 MAX. LOT COVERAGE = 50% PROPOSED = 5.5%
- PARKING CALCULATIONS:
 RETAIL SPACE = 1/250 SQ.FT. = 350 SQ.FT./250 SQ.FT. = 1.4 SPACES
 DAY-CARE = 1 SPACE PER EMPLOYEE + 1 PER 6 DOGS
 DAY-CARE = 40 DOGS / 6 = 6.7 SPACES
 DAY-CARE = 6 EMPLOYEES = 6 SPACES
 RESIDENTIAL = 1 SPACES / UNIT = 1 UNIT = 1 SPACE
 TOTAL PARKING = 15 SPACES
- EXISTING BUILDING FOOTPRINT = 1,480 S.F.
 PROPOSED BUILDING FOOTPRINT = 936 S.F.
 TOTAL BUILDING FOOTPRINT = 2,416 S.F.
- THIS PLAN SET HAS BEEN PREPARED BY JONES & BEACH ENGINEERS, INC., FOR MUNICIPAL AND STATE APPROVALS AND FOR CONSTRUCTION BASED ON DATA OBTAINED FROM ON-SITE FIELD SURVEY AND EXISTING MUNICIPAL RECORDS. THROUGHOUT THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY FIELD DISCREPANCY FROM DATA AS SHOWN ON THE DESIGN PLANS, INCLUDING ANY UNFORESEEN CONDITIONS, SUBSURFACE OR OTHERWISE, FOR EVALUATION AND RECOMMENDATIONS. ANY CONTRADICTION BETWEEN ITEMS ON THIS PLAN/PLAN SET, OR BETWEEN THE PLANS AND ON-SITE CONDITIONS, MUST BE RESOLVED BEFORE RELATED CONSTRUCTION HAS BEEN INITIATED. CONTRACTOR TO ALWAYS CONTACT DIG SAFE PRIOR TO DIGGING ON-SITE OR OFF-SITE TO ENSURE SAFETY AND OBEY THE LAW.
- ALL CONSTRUCTION SHALL CONFORM TO TOWN STANDARDS AND REGULATIONS, AND NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WHICHEVER IS MORE STRINGENT.
- SUBJECT PROPERTY IS NOT LOCATED WITHIN FEDERALLY DESIGNATED 100 YEAR FLOOD HAZARD ZONE (ELEVATION 9 NGVD 1929). REFERENCE FEMA COMMUNITY PANEL NO. 330132 0012 B, DATED JULY 3, 2005.
- WETLANDS WERE DELINEATED BY CHRISTOPHER ALBERT DURING FALL, 2012, AND LOCATED BY THIS OFFICE.
- LANDOWNERS ARE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING PERMITTING REQUIRED UNDER THESE REGULATIONS.
- ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.P.). THIS DOCUMENT IS TO BE KEPT ON-SITE AT ALL TIMES AND UPDATED AS REQUIRED.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER, ARCHITECT AND/OR OWNER, IN ORDER TO OBTAIN AND/OR PAY ALL THE NECESSARY LOCAL PERMITS, FEES AND BONDS.
- ALL PROPOSED SIGNAGE SHALL CONFORM WITH THE TOWN ZONING REGULATIONS, UNLESS A VARIANCE IS OTHERWISE REQUESTED.
- ALL SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND NHDOT STANDARDS AND SPECIFICATIONS (NON-REFLECTORIZED PAVEMENT MARKINGS), UNLESS OTHERWISE NOTED.
- ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND STRUCTURAL PLANS PROVIDED BY THE OWNER. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER PRIOR TO THE START OF CONSTRUCTION. BUILDING DIMENSIONS AND AREAS TO BE TO OUTSIDE OF MASONRY, UNLESS OTHERWISE NOTED.
- ALL OUTDOOR DISPLAY AREAS SHALL BE MAINTAINED IN A NEAT AND ORDERLY FASHION.
- SNOW TO BE STORED AT EDGE OF GRAVEL DRIVE & PARKING, OR TRUCKED OFFSITE TO AN APPROVED SNOW DUMPING LOCATION.
- ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
- ALL TEMPORARY WETLAND BUFFER IMPACTS TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS WITH 4" LOAM AND SEED WHERE REQUIRED.
- GUTTERS SHALL BE PROVIDED ON PROPOSED BUILDING AND DIRECTED TO PROPOSED INFILTRATION TRENCH.



[Signature]
OWNERS SIGNATURE

APPROVED - BARRINGTON, NH PLANNING BOARD	PROJECT PARCEL TOWN OF BARRINGTON, NH TAX MAP 270, LOT 71
	APPLICANT/OWNER HOLLY GRANT 136 OLD CONCORD TNPK BARRINGTON, NH 03825 BK 3851, PG 0446
DATE:	TOTAL LOT AREA 50,472 SQ. FT. 1.16 ACRES

Design: BWG Draft: GPC Date: 1/16/13
 Checked: WGM Scale: AS-NOTED Project No.: 12175
 Drawing Name: 12175-PLAN.dwg
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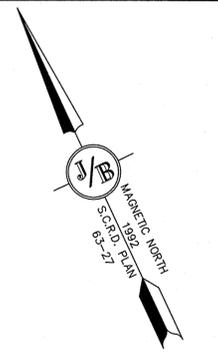
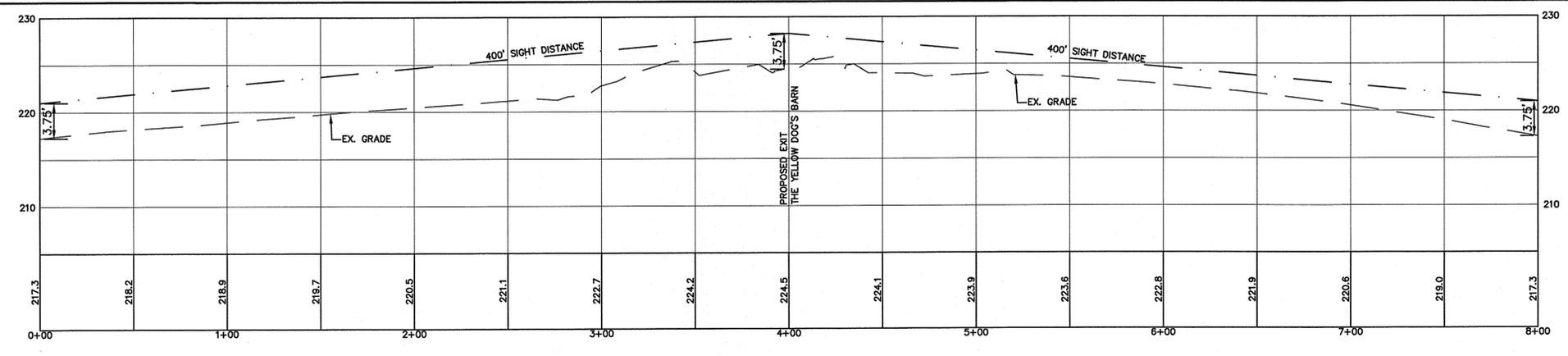
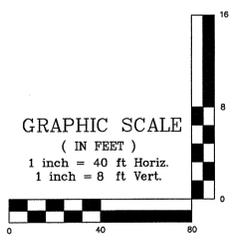
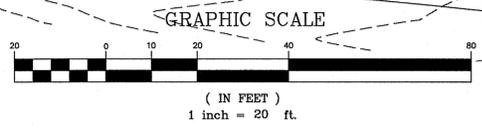
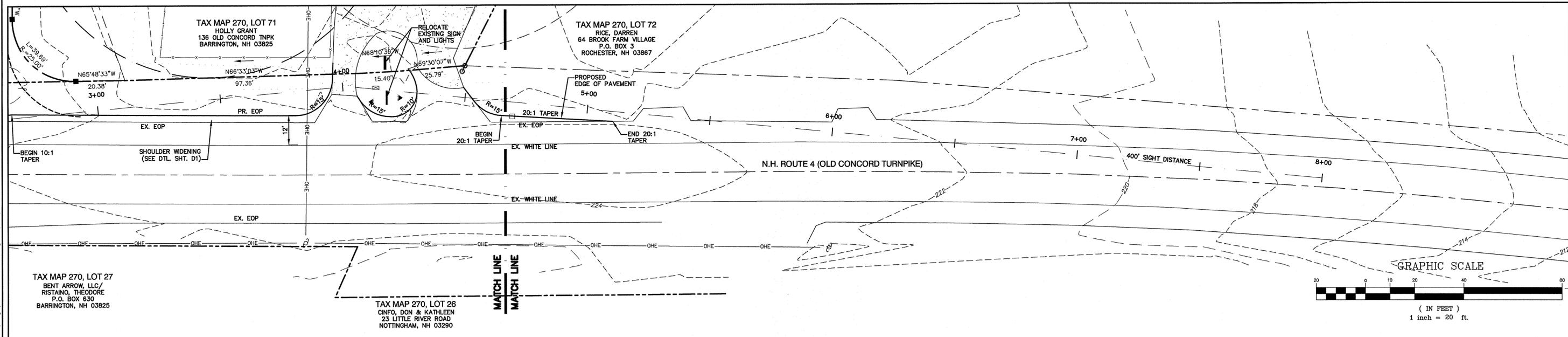
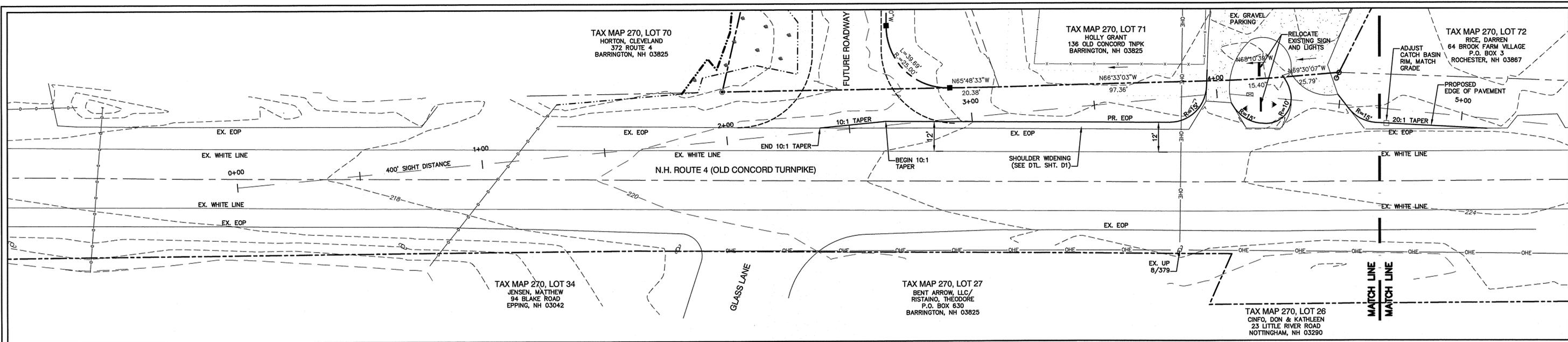
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 603-772-4746 FAX: 603-772-0227
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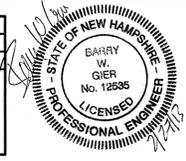
Plan Name:	SITE PLAN
Project:	THE YELLOW DOG'S BARN, LLC. N.H. ROUTE 4, BARRINGTON, NH 03825
Owner of Record:	THE YELLOW DOG'S BARN, LLC 136 OLD CONCORD TURNPIKE, BARRINGTON, NH 03825

DRAWING No.
C2
SHEET 3 OF 7
JBE PROJECT NO. 12175

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Design: BWG Draft: GPC Date: 1/16/13
 Checked: WGM Scale: AS NOTED Project No.: 12175
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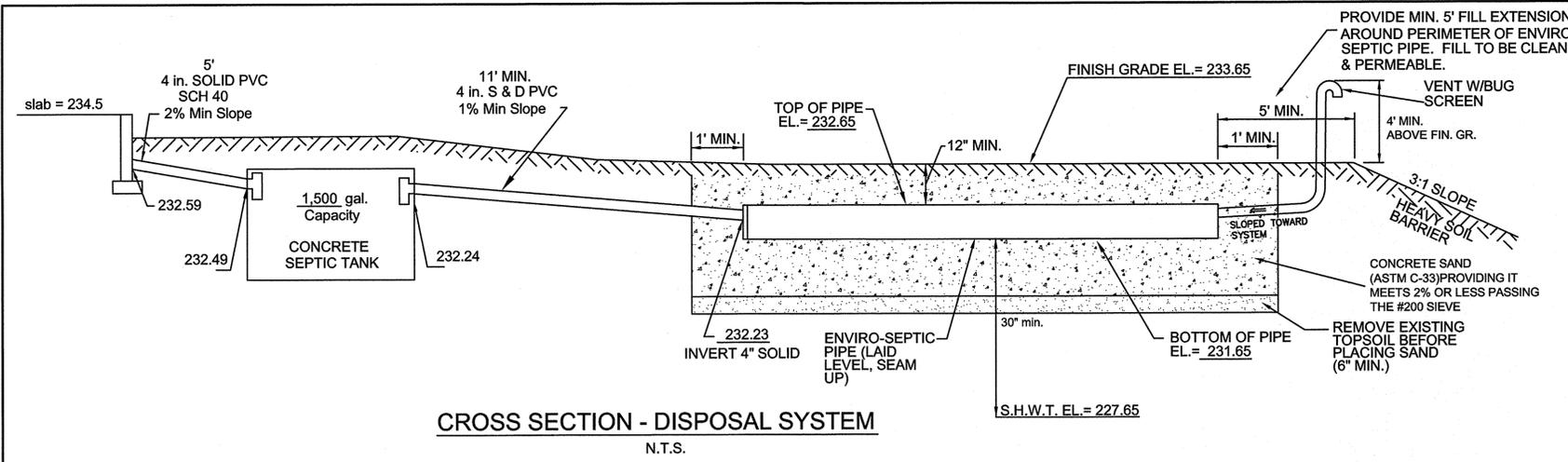


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 85 Portsmouth Ave. PO Box 219 Stratham, NH 03885
 Civil Engineering Services
 603-772-4746 FAX: 603-772-0227
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **HIGHWAY ACCESS PLAN**
 Project: **THE YELLOW DOG'S BARN, LLC. N.H. ROUTE 4, BARRINGTON, NH 03825**
 Owner of Record: **THE YELLOW DOG'S BARN, LLC 136 OLD CONCORD TURNPIKE, BARRINGTON, NH 03825**

DRAWING No. **HA1**
 SHEET 4 OF 7
 JBE PROJECT NO. 12175

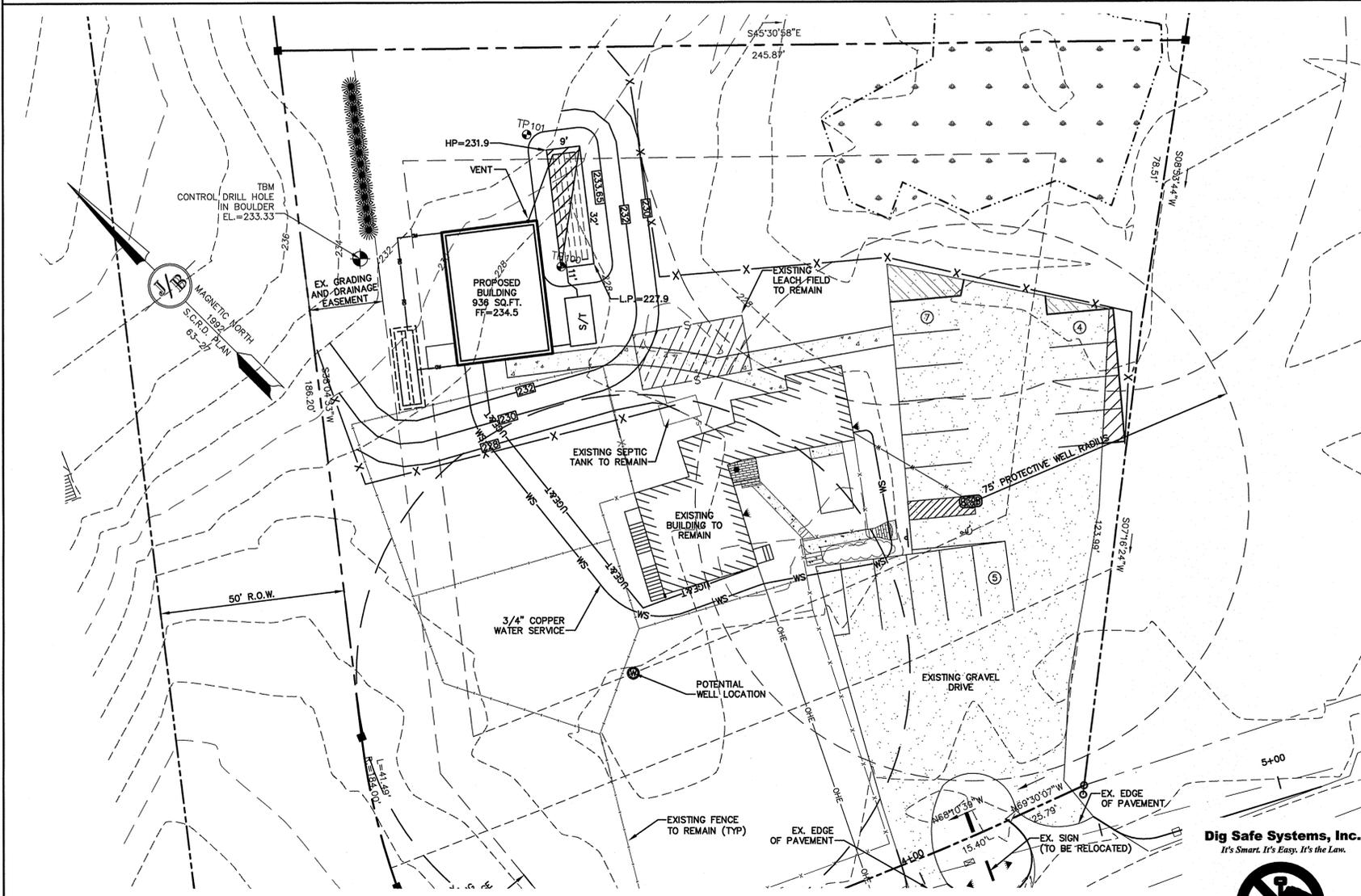
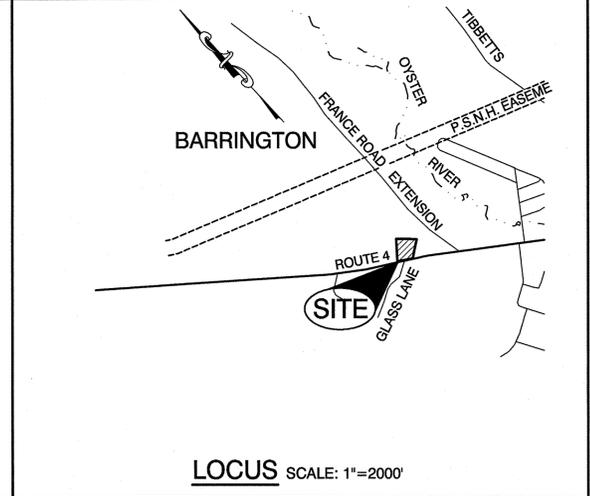


TEST PIT LOGS

PERFORMED BY: WAYNE MORRILL, JONES & BEACH ENGINEERS, INC., SSD #1358

TEST PIT #100	TEST PIT #101
0'-12" TOPSOIL	0'-10" TOPSOIL
12'-25" 10YR 4/6 DARK YELLOWISH BROWN FINE SANDY LOAM GRANULAR, FRIABLE	10'-22" 10YR 4/6 DARK YELLOWISH LOAM FINE SANDY LOAM GRANULAR, FRIABLE
25'-63" 2.5Y 5/4 LIGHT OLIVE BROWN LOAMY SAND GRANULAR, FRIABLE	22'-36" 2.5Y 5/6 LIGHT OLIVE BROWN LOAMY SAND GRANULAR, FRIABLE
SHWT = 27" ROOTS TO 25" H2O @ 43" NO REFUSAL PERC RATE = 8 MIN/INCH	SHWT = 36" ROOTS TO 36" NO H2O NO REFUSAL PERC RATE = 6 MIN/INCH

TEST PIT, DATE: 12/5/08
PERC. TEST, DATE: 12/5/08
8 MIN/INCH

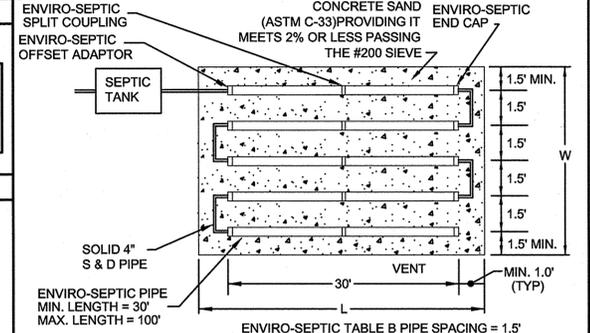


ENVIRO-SEPTIC DESIGN CALCULATIONS

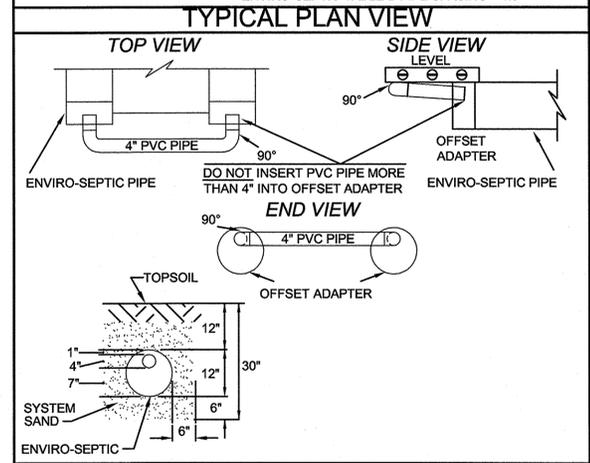
PROPOSED STUDIO APARTMENT = 225 GPD
PROPOSED DRY GOODS 936 S.F. - 5 GPD/100 S.F. = 47 GPD
TOTAL PROPOSED = 272 GPD

272 GPD @ 8 MIN./INCH @ 24" = 150 L.F. OF ENVIRO-SEPTIC PIPE REQUIRED
150 L.F. OF ENVIRO-SEPTIC PIPE PROVIDED
5 ROWS OF ENVIRO-SEPTIC PIPE.
BED DIMENSIONS 32' x 9'

HP = 231.9
LP = 227.9
AVG = 229.9
SHWT = 2.25' OR 27"
ESHWT = 227.65



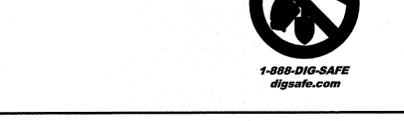
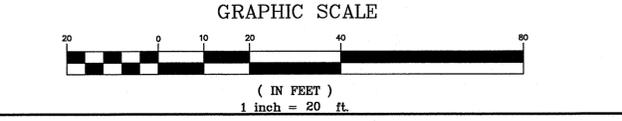
- ### GENERAL NOTES
- CONTRACTOR TO VERIFY ALL ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION.
 - LEACH BED COMPRISED OF ENVIRO-SEPTIC LEACHING PIPE. FOR DETAILED INSTALLATION INFORMATION REFER TO "ENVIRO-SEPTIC & SIMPLE-SEPTIC LEACHING SYSTEMS DESIGN AND INSTALLATION MANUAL", 2003 EDITION OR MOST CURRENT EDITION. CONTACT PRESBY ENVIRONMENTAL, INC AT PHONE (800) 473-5298 OR WWW.PRESBYENVIRONMENTAL.COM
 - FILL AROUND ENVIRO PIPES TO ASTM C-33 (CONCRETE SAND), OR EQUAL
 - REMOVE TOPSOIL BEFORE PLACING FILL.
 - 4 INCH THICK LOAM & SEED AROUND PERIMETER OF FILL.
 - SIDE SLOPES OF FILL = 3(HORIZONTAL): 1(VERTICAL).
 - INLET AND OUTLET OF SEPTIC TANK SHALL BE SEALED WITH HYDRAULIC CEMENT PRIOR TO INSPECTION.
 - 50' SETBACK FROM POORLY DRAINED SOILS.
 - 75' SETBACK FROM VERY POORLY DRAINED SOILS.
 - THE OUTLET Baffle SHALL BE A VENTED TEE WHICH SHALL EXTEND TO A DISTANCE BELOW THE SURFACE EQUAL TO 40% OF THE LIQUID DEPTH.
 - THE OUTLET AND INLET Baffles SHALL EXTEND ABOVE THE LIQUID LINE TO NOT LESS THAN ONE INCH FROM THE TOP OF THE TANK.
 - JOINTS ARE TO BE BELLED PVC OR STANDARD SLIP COLLARS
 - D-BOX SHALL HAVE FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.
 - SEPTIC TANK IS TO BE SEALED AND GROUTED WITH NON-SHRINK MORTAR OR THICK PLASTIC CEMENT.
 - SYSTEM WILL BE REPLACED IN SAME LOCATION IN CASE OF FAILURE.
 - CROWN SYSTEM TO SHED RAINWATER; SLOPE SYSTEM AWAY FROM HOUSE.
 - IF GARBAGE GRINDERS ARE DESIRED, SEPTIC TANK 50% LARGER.
 - NO SURFACE WATER OR WELLS WITHIN 75'.
 - 5 FT. FILL EXTENSION.
 - TOWN OF BARRINGTON, REQUIRES BED BOTTOM INSPECTION.
 - ENVIRO-SEPTIC TO BE SUPPLIED BY: WASTE INC. (224-6596) OR EQUAL.
 - 1,500 GALLON SEPTIC TANK TO BE SUPPLIED BY: EF SHEA NEW ENGLAND CONCRETE PRODUCTS, INC. (603-942-5668) OR EQUAL.
 - COUNTY SOIL CONSERVATION SERVICE SOIL TYPE: CHARLTON
 - SUBDIVISION APPROVAL # SA2008008927 ISSUED: 12/29/08
 - EXISTING CONSTRUCTION APPROVAL # PRE 1975
 - CONSTRUCTION APPROVAL # PRE 1975
 - APPROVAL FOR CONSTRUCTION IS VALID FOR 4 YEARS FROM DATE OF ISSUE.
 - ANY CHANGES TO SEPTIC TANK, HOUSE OR WELL LOCATION/ORIENTATION WILL REQUIRE AN AS-BUILT PLAN TO BE PROVIDED BY THE DESIGNER PRIOR TO NHDES FINAL INSPECTION
 - CONTRACTOR TO INSTALL A HIGH AND LOW VENT WITH 10' ELEVATION DIFFERENTIAL. HIGH VENT TO BE VENTED BACK THROUGH PROPOSED BUILDING ROOF.
 - NO FLOOR DRAINS ARE TO BE CONNECTED TO THE SYSTEM.



- ### HOMEOWNER NOTES
- KNOW THE LOCATION OF YOUR SEPTIC TANK AND LEACHING AREA.
 - INSPECT YOUR TANK YEARLY AND HAVE THE TANK PUMPED AS NEEDED AND AT LEAST EVERY THREE YEARS.
 - DO NOT FLUSH BULKY ITEMS SUCH AS THROW-AWAY DIAPERS, SANITARY PADS OR BABY WIPES.
 - DO NOT FLUSH TOXIC CHEMICALS SUCH AS PAINT THINNERS, PESTICIDES, OR CLORINE INTO YOUR SYSTEM AS THEY MAY KILL THE NECESSARY BACTERIA IN THE TANK.
 - REPAIR LEAKING FIXTURES IN THE HOUSE PROMPTLY.
 - BE CONSERVATIVE WITH YOU WATER USE AND USE WATER-REDUCING FIXTURES WHEREVER POSSIBLE.
 - KEEP DEEP-ROOTED TREES AND SHRUBS FROM GROWING ON AND ADJACENT TO YOUR LEACHING AREA.
 - NO VEHICULAR, NOR LIVESTOCK TRAVEL, NOR SNOW REMOVAL IN AREA OF SYSTEM.

- ### WELL LOCATION
- INSTALLATION SHALL COMPLY WITH We 602.05 WELL LOCATION RULES
 - IF THE WELL IS LOCATED LESS THAN 50' FROM THE STATE HIGHWAY RIGHT-OF-WAY AND OR LESS THAN 75' FROM THE PROPERTY LINE WITH DESIGN FLOWS FOR STRUCTURES UP TO 5 BEDROOMS. SPECIAL METHODS OF CONSTRUCTION SHALL INCLUDE BUT NOT BE LIMITED TO:
 - INSTALL NO LESS THAN 40' OF CASING INTO COMPETENT BEDROCK WHERE BEDROCK IS LESS THAN 20' FROM GROUND SURFACE
 - GROUTING THE CASING

THE BUILDER/SITE CONTRACTOR IS RESPONSIBLE TO CONFIRM THE ZONING DIMENSIONAL REQUIREMENTS AND SETBACK LINE REQUIREMENTS PRIOR TO INITIATING CONSTRUCTION OF THE PROPOSED HOUSE AND SEPTIC SYSTEM. THE ZONING ORDINANCE OF THE MUNICIPALITY IS TO BE COMPLIED WITH. THE BUILDER/SITE CONTRACTOR IS ALSO RESPONSIBLE TO CONTACT THE MUNICIPALITY REGARDING INSPECTIONS PRIOR TO AND DURING CONSTRUCTION, I.E. LOCATION AND BED-BOTTOM INSPECTIONS.



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Drawing Name: 12175-PLAN.dwg		
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Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Civil Engineering Services 603-772-4746
PO Box 219 Stratham, NH 03885 FAX: 603-772-0227
E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **EFFLUENT DISPOSAL DESIGN**

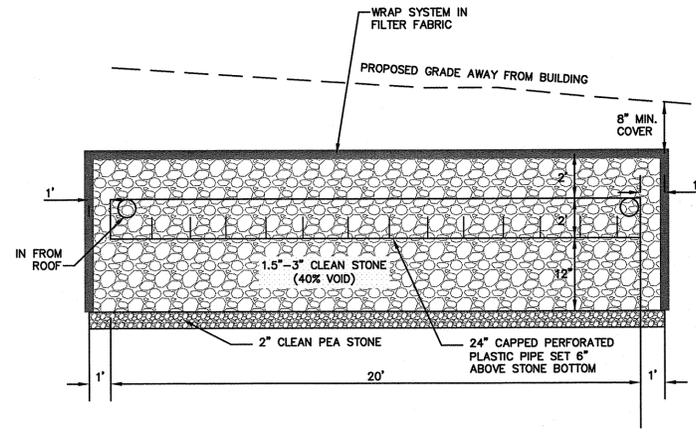
Project: **THE YELLOW DOG'S BARN, LLC.
N.H. ROUTE 4, BARRINGTON, NH 03825**

Owner of Record: **THE YELLOW DOG'S BARN, LLC
136 OLD CONCORD TURNPIKE, BARRINGTON, NH 03825**

DRAWING No. **S1**

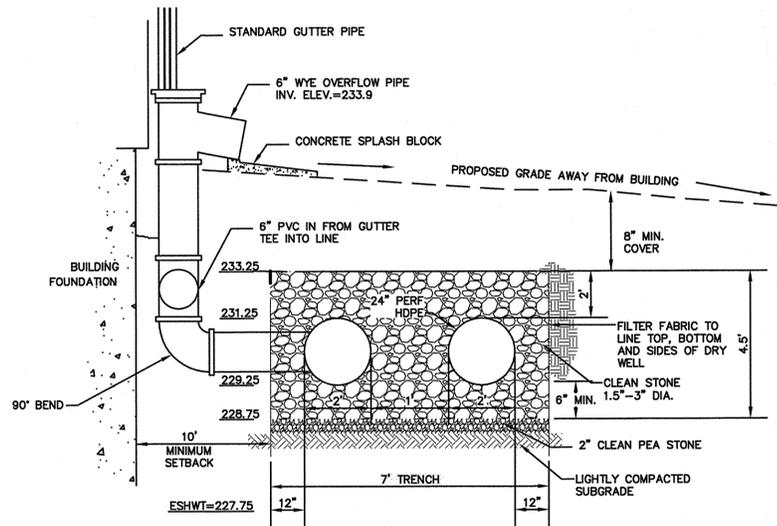
SHEET 5 OF 7
JBE PROJECT NO. 12175

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INFILTRATION TRENCH (SIDE VIEW)

NOT TO SCALE

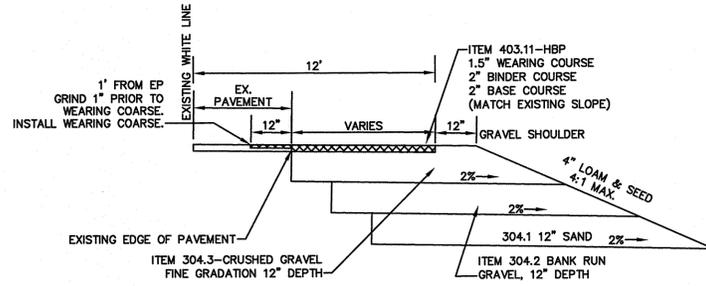


INFILTRATION TRENCH (END VIEW)

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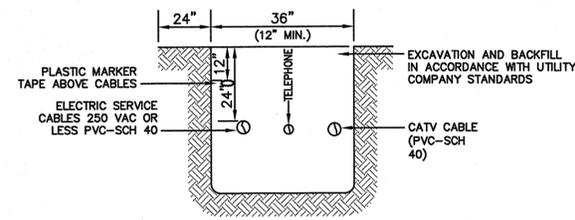
INFILTRATION TRENCH NOTES:

1. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL PERFORM TEST PITS (2) IN LOCATION OF PROPOSED SYSTEM TO CONFIRM THE LOCATION OF THE SEASONAL HIGH WATER TABLE. TEST PITS TO BE LOGGED BY A CERTIFIED SOIL SCIENTIST AND FINDINGS REPORTED TO THE ENGINEER.
2. ALL INFILTRATION SYSTEM SHALL BE BUILT WITH THE BOTTOM OF THE SYSTEM TO BE SET ABOVE SEASONAL HIGH WATER TABLE. IF THE INFILTRATION RATE OF THE SOIL DOES NOT MEET OR EXCEED THE RATE AS DESIGNED, THE SOIL SHOULD BE AMENDED TO INCLUDE 20 PERCENT ADDITIONAL SAND CONTENT (ASTM 33).
3. ONCE THE SYSTEM HAS BEEN CONSTRUCTED, IT SHOULD BE TESTED BY INSERTING A GARDEN HOSE INTO THE INLET AND ALLOWING THE WATER TO RUN FOR A MINIMUM OF ONE (1) HOUR. THE WATER SHOULD STAY UNDERGROUND WITHIN THE GRAVEL. IF WATER COMES OUT OF THE OVERFLOW, THE SYSTEM SHOULD BE FURTHER INSPECTED AND POSSIBLY REPLACED. THIS PROCEDURE SHOULD BE PERFORMED EVERY YEAR DURING THE FALL INSPECTION.
4. IN THE SPRING AND FALL, VISUALLY INSPECT THE AREA AROUND THE SYSTEM AND REPAIR ANY EROSION. USE SMALL STONES TO STABILIZE EROSION ALONG DRAINAGE PATHS. RE-MULCH ANY VOID AREAS BY HAND AS NEEDED. ALSO INSPECT THE ROOF COLLECTION AND PIPING AND CLEAN AND REPAIR AS NECESSARY.
5. DO NOT PLANT DEEP ROOTED TREES AND SHRUBS WITHIN 5' OF THE SYSTEM.
6. KEEP HEAVY VEHICLES FROM DRIVING OR PARKING OVER THE SYSTEM.



ROUTE 4 - LANE EXPANSION DETAIL

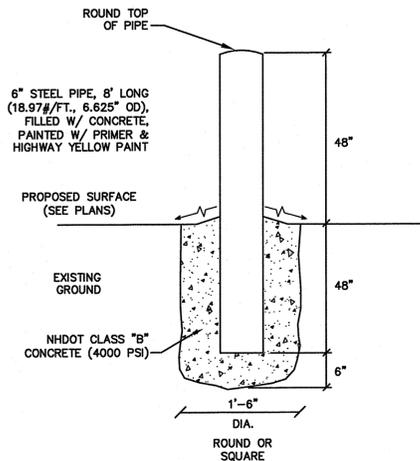
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NOTE: ALL UTILITIES SHALL BE REVIEWED AND APPROVED BY APPROPRIATE UTILITY COMPANY.

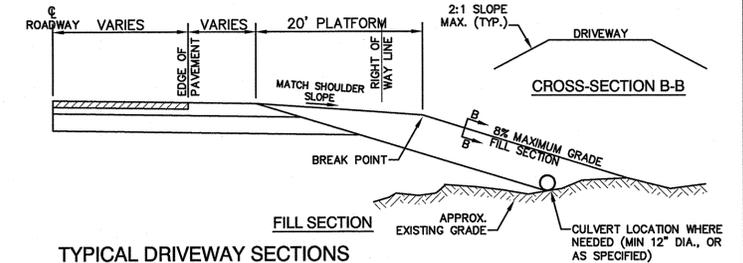
UTILITY TRENCH

NOT TO SCALE



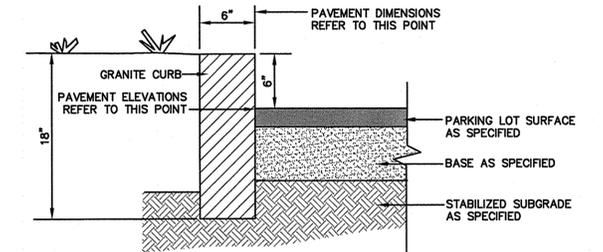
BOLLARD DETAIL

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TYPICAL DRIVEWAY SECTIONS

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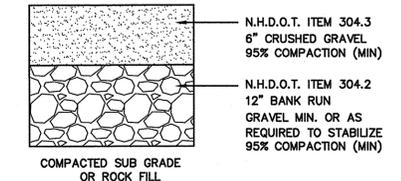


NOTES:

1. JOINTS BETWEEN STONES SHALL BE MORTARED.
2. EDGING TO BE PLACED PRIOR TO PLACING TOP SURFACE COURSE.

6\"/>

NOT TO SCALE



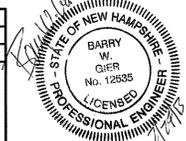
NOTE: IN AREAS OF ROCK EXCAVATION, MINIMUM 9\"/>

GRAVEL SECTION

NOT TO SCALE

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Plan Name:	DETAIL SHEET
Project:	THE YELLOW DOG'S BARN, LLC. N.H. ROUTE 4, BARRINGTON, NH 03825
Owner of Record:	THE YELLOW DOG'S BARN, LLC 136 OLD CONCORD TURNPIKE, BARRINGTON, NH 03825

DRAWING No.	D1
SHEET 6 OF 7	JBE PROJECT NO. 12175

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SEEDING SPECIFICATIONS

1. **GRADING AND SHAPING**
 - A. SLOPES SHALL NOT BE STEEPER THAN 2:1 WITHOUT APPROPRIATE EROSION CONTROL MEASURES AS SPECIFIED ON THE PLANS (3:1 SLOPES OR FLATTER ARE PREFERRED).
 - B. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
2. **SEEDBED PREPARATION**
 - A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND FERTILIZER AND LIME MIXED INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
3. **ESTABLISHING A STAND**
 - A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. TYPES AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
 AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ.FT.
 NITROGEN(N), 50 LBS. PER ACRE OR 1.1 LBS. PER 1,000 SQ.FT.
 PHOSPHATE(P2O5), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ.FT.
 POTASH(K2O), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ.FT.
 (NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10.)
 - B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
 - C. REFER TO THE 'SEEDING GUIDE' AND 'SEEDING RATES' TABLES ON THIS SHEET FOR APPROPRIATE SEED MIXTURES AND RATES OF SEEDING. ALL LEGUMES (CROWN VETCH, BIRDSFOOT, TREFOL AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT PRIOR TO THEIR INTRODUCTION TO THE SITE.
 - D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20th OR FROM AUGUST 10th TO SEPTEMBER 1st.
4. **MULCH**
 - A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90 LBS PER 1000 S.F.
5. **MAINTENANCE TO ESTABLISH A STAND**
 - A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED.
 - C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, ANNUAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

TEMPORARY EROSION CONTROL NOTES

1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME. AT NO TIME SHALL AN AREA IN EXCESS OF THAT REQUIRED FOR CONSTRUCTION BE EXPOSED.
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED OR DIRECTED BY THE ENGINEER.
3. ALL DISTURBED AREAS (INCLUDING POND AREAS BELOW THE PROPOSED WATERLINE) SHALL BE RETURNED TO PROPOSED GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 6" OF SCREENED ORGANIC LOAM AND SEEDED WITH SEED MIXTURE 'C' AT A RATE NOT LESS THAN 1.10 POUNDS OF SEED PER 1,000 S.F. OF AREA (48 LBS. / ACRE).
4. SILT FENCES AND OTHER BARRIERS SHALL BE INSPECTED EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.5" OR GREATER. ALL DAMAGED AREAS SHALL BE REPAIRED, AND SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED.
5. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND REVEGETATED.
6. AREAS MUST BE SEEDED AND MULCHED OR OTHERWISE PERMANENTLY STABILIZED WITHIN 3 DAYS OF FINAL GRADING, OR TEMPORARILY STABILIZED WITHIN 14 DAYS OF THE INITIAL DISTURBANCE OF SOIL.
7. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING NORTH AMERICAN GREEN S75 EROSION CONTROL BLANKETS (OR AN EQUIVALENT APPROVED IN WRITING BY THE ENGINEER) 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.
8. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
9. AFTER NOVEMBER 15th, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3" OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
10. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
 - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
11. IN ORDER TO ENSURE THE STABILITY OF THE SITE AND EFFECTIVE IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROL MEASURES SPECIFIED IN THE PLANS FOR THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL BE IN STRICT COMPLIANCE WITH THE FOLLOWING INSPECTION AND MAINTENANCE REQUIREMENTS IN ADDITION TO THOSE CALLED FOR IN THE SWPPP:
 - A. A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL OR A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW HAMPSHIRE ("MONITOR") SHALL BE EMPLOYED TO INSPECT THE SITE FROM THE START CONSTRUCTION ACTIVITIES UNTIL THE SITE IS STABILIZED.
 - B. DURING THIS PERIOD, THE MONITOR SHALL INSPECT THE SUBJECT SITE AT LEAST ONCE A WEEK, AND IF POSSIBLE, DURING ANY 1/2 INCH OR GREATER RAIN EVENT (I.E. 1/2 INCH OF PRECIPITATION OR MORE WITHIN A 24 HOUR PERIOD). IF UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THIS EVENT.
 - C. THE MONITOR SHALL PROVIDE TECHNICAL ASSISTANCE AND RECOMMENDATIONS TO THE CONTRACTOR ON THE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS REQUIRED.

USE	SEEDING MIXTURE 1/	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	GOOD
	C	POOR	GOOD	EXCELLENT	GOOD
	D	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.	A	GOOD	GOOD	GOOD	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES.	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.)	E	FAIR	EXCELLENT	EXCELLENT	2/
	F	FAIR	EXCELLENT	EXCELLENT	2/
GRAVEL PIT, SEE NH-PM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.					
1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE BELOW.					
2/ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.					

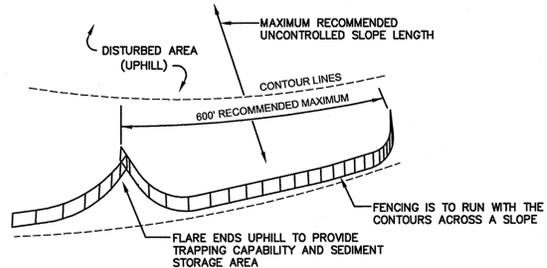
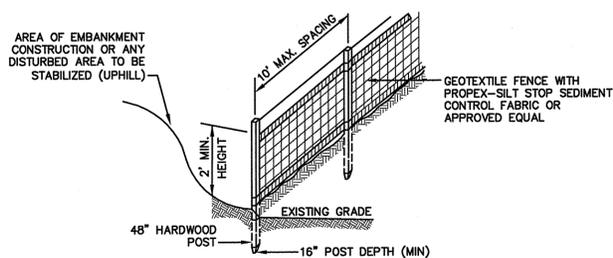
NOTE: TEMPORARY SEED MIX FOR STABILIZATION OF TURF SHALL BE WINTER RYE OR OATS AT A RATE OF 2.5 LBS. PER 1000 S.F. AND SHALL BE PLACED PRIOR TO OCTOBER 15th, IF PERMANENT SEEDING NOT YET COMPLETE.

SEEDING GUIDE

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 Sq. Ft.
A. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH OR FLAT PEA	15	0.35
TOTAL	30	0.75
	40 OR 55	0.95 OR 1.35
C. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
BIRDS FOOT TREFOL	8	0.20
TOTAL	48	1.10
D. TALL FESCUE	20	0.45
FLAT PEA	30	0.75
TOTAL	50	1.20
E. CREeping RED FESCUE 1/	50	1.15
KENTUCKY BLUEGRASS 1/	50	1.15
TOTAL	100	2.30
F. TALL FESCUE 1	150	3.60

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

SEEDING RATES



CONSTRUCTION SPECIFICATIONS:

1. WOVEN FABRIC FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP, MID AND BOTTOM AND EMBEDDED IN THE GROUND A MINIMUM OF 8" AND THEN COVERED WITH SOIL.
2. THE FENCE POSTS SHALL BE A MINIMUM OF 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED 6", FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED AND PROPERLY DISPOSED OF WHEN IT IS 6" DEEP OR VISIBLE 'BULGES' DEVELOP IN THE SILT FENCE.
5. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
6. SILT FENCE SHALL REMAIN IN PLACE FOR 24 MONTHS.

7. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND REVEGETATED.

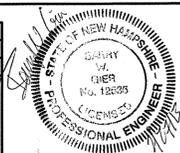
MAINTENANCE:

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE DONE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
4. SEDIMENT DEPOSITS THAT ARE REMOVED, OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED, SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE

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Civil Engineering Services

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Plan Name:	EROSION AND SEDIMENT CONTROL DETAILS
Project:	THE YELLOW DOG'S BARN, LLC. N.H. ROUTE 4, BARRINGTON, NH 03825
Owner of Record:	THE YELLOW DOG'S BARN, LLC 136 OLD CONCORD TURNPIKE, BARRINGTON, NH 03825

DRAWING No.

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SHEET 7 OF 7
JBE PROJECT NO. 12175