

# OPEN-SPACE RESIDENTIAL SUBDIVISION

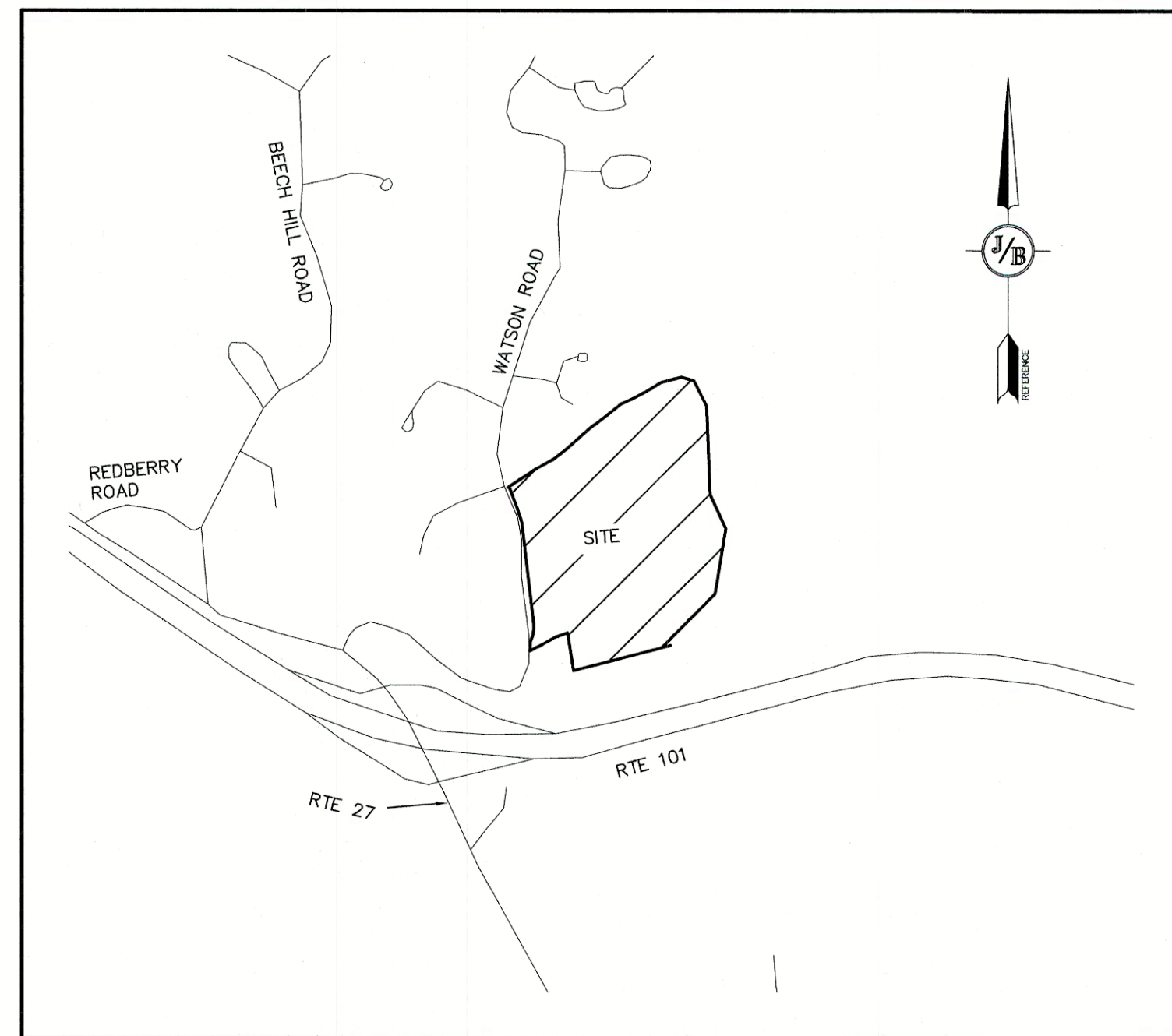
## "CARLISLE SUBDIVISION"

### TAX MAP 33 LOT 26

### 19 WATSON ROAD, EXETER, NH

**SHEET INDEX**

CS	COVER SHEET
Y1	OVERALL YIELD PLAN
Y1A-Y1B	YIELD PLANS
A1-A5	SUBDIVISION PLAN
C1	OVERALL EXISTING CONDITIONS PLAN
C1A - C1B	EXISTING CONDITIONS PLANS
C2	OVERALL SITE PLAN
C2A - C2B	SITE PLAN
C3	OVERALL GRADING AND DRAINAGE PLAN
C3A - C3B	GRADING AND DRAINAGE PLANS
P1-P2	PLAN AND PROFILE
D1-D3	DETAIL SHEETS
E1-E2	EROSION AND SEDIMENT CONTROL DETAILS



**LOCUS MAP**  
SCALE 1" = 20,000'

**PERMITS**

TYPE OF PERMIT

**EXETER SUBDIVISION PLAN APPROVAL:**  
TOWN OF EXETER PLANNING BOARD  
10 FRONT STREET  
EXETER, NEW HAMPSHIRE 03833  
(603) 773-6112  
RESPONSIBLE CONSULTANT:  
JONES & BEACH ENGINEERS, INC.

**NHDES ALTERATION OF TERRAIN PERMIT:**  
NEW HAMPSHIRE DEPARTMENT OF  
ENVIRONMENTAL SERVICES - WATER DIVISION  
29 HAZEN DRIVE, P.O. BOX 95  
CONCORD, NEW HAMPSHIRE 03302-0095  
(603) 271-3503  
RESPONSIBLE CONSULTANT:  
JONES & BEACH ENGINEERS, INC.

**NHDES SUBDIVISION 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.

**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.

STATUS

SUBMITTED:

PERMIT NO.

DATED:

EXPIRATION:

SUBMITTED:

PERMIT NO.

DATED:

EXPIRATION:

SUBMITTED:

PERMIT NO.

DATED:

EXPIRATION:

**GENERAL LEGEND**

EXISTING	DESCRIPTION
---	PROPERTY LINES
---	SETBACK LINES
---	FRESHWATER WETLANDS LINE
---	PRIME WETLANDS LINE
---	STREAM CHANNEL
---	TREE LINE
---	STONEWALL
---	BARBED WIRE
---	FENCE
---	STOCKADE FENCE
---	FLOOD PLAIN LINE
---	ZONELINE
---	EASEMENT
---	MAJOR CONTOUR
---	MINOR CONTOUR
---	EDGE OF PAVEMENT
D	DRAINAGE LINE
S	SEWER LINE
W	WATER LINE
WS	WATER SERVICE
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
○	IRON PIPE/IRON ROD
×	DRILL HOLE
□	IRON ROD/DRILL HOLE
■	STONE/GRANITE BOUND
+	BENCHMARK (TBM)
+	DOUBLE POST SIGN
+	SINGLE POST SIGN
+	WELL
+	TEST PIT
○	MONITORING WELL
○	TREES AND BUSHES
○	UTILITY POLE
○	LIGHT POLES
○	DRAIN MANHOLE
○	SEWER MANHOLE
○	HYDRANT
○	WATER GATE
○	WATER SHUT OFF
○	SINGLE GRATE CATCH BASIN
○	CULVERT W/WINGWALLS
○	CULVERT W/FLARED END SECTION
○	CULVERT W/STRAIGHT HEADWALL
○	FRESHWATER WETLANDS
○	GRANITE BOUND TO BE SET
○	IRON PIN TO BE SET

**OWNER OF RECORD**

SCOTT W. CARLISLE, III  
14 CASS STREET  
EXETER, NH 03833  
(603) 772-2086

**ELECTRIC**

UNITIL NEW HAMPSHIRE  
6 LIBERTY LANE WEST  
HAMPTON, NH 03842  
(603) 772-0775

**CIVIL ENGINEER / SURVEYOR**

JONES & BEACH ENGINEERS, INC.  
85 PORTSMOUTH AVENUE  
PO BOX 219  
STRATHAM, NH 03885  
(603) 772-4746  
CONTACT: JOSEPH CORONATI  
EMAIL: JCORONATI@JONESANDBEACH.COM

**TELEPHONE**

CONSOLIDATED COMMUNICATIONS  
100 TRI CITY ROAD  
SOMERWORTH, NH 03878  
ATTN:DAVE KESTNER  
(603) 743-1114

**WETLAND CONSULTANT**

GOVE ENVIRONMENTAL SERVICES, INC.  
8 CONTINENTAL DR UNIT H  
EXETER, NH 03833  
(603) 580-4120  
CONTACT: JAMES P. GOVE

**CABLE TV**

COMCAST COMMUNICATION  
CORPORATION 334-B CALEF HIGHWAY  
EPPING, NH 03042-2325  
(603) 679-5695

**PROJECT PARCEL**  
TOWN OF EXETER  
TAX MAP 33 LOT 26

**APPLICANT/OWNER**  
WW. SCOTT CARLISLE, III  
14 CASS STREET  
EXETER, NH 03833

**TOTAL LOT AREA**  
4,268,578 SQ. FT.  
97.99 ACRES

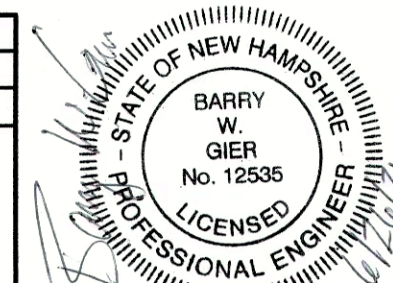
TOWN OF EXETER PLANNING BOARD

DATE: \_\_\_\_\_

CHAIRMAN \_\_\_\_\_

F:\CADD\MASTER STANDARD\dwg\JB-LAYOUTS.dwg 3/12/2015 3:27:29 PM EDT

Design: BWG	Draft: DFP	Date: 08/26/2021
Checked: BWG	Scale: AS NOTED	Project No.: 19102
Drawing Name: 19102-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
2	08/26/21	REVISED PER PB COMMENTS	BWG
1	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

Designed and Produced in NH

**J/B Jones & Beach Engineers, Inc.**

Civil Engineering Services

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

Plan Name:	<b>COVER SHEET</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

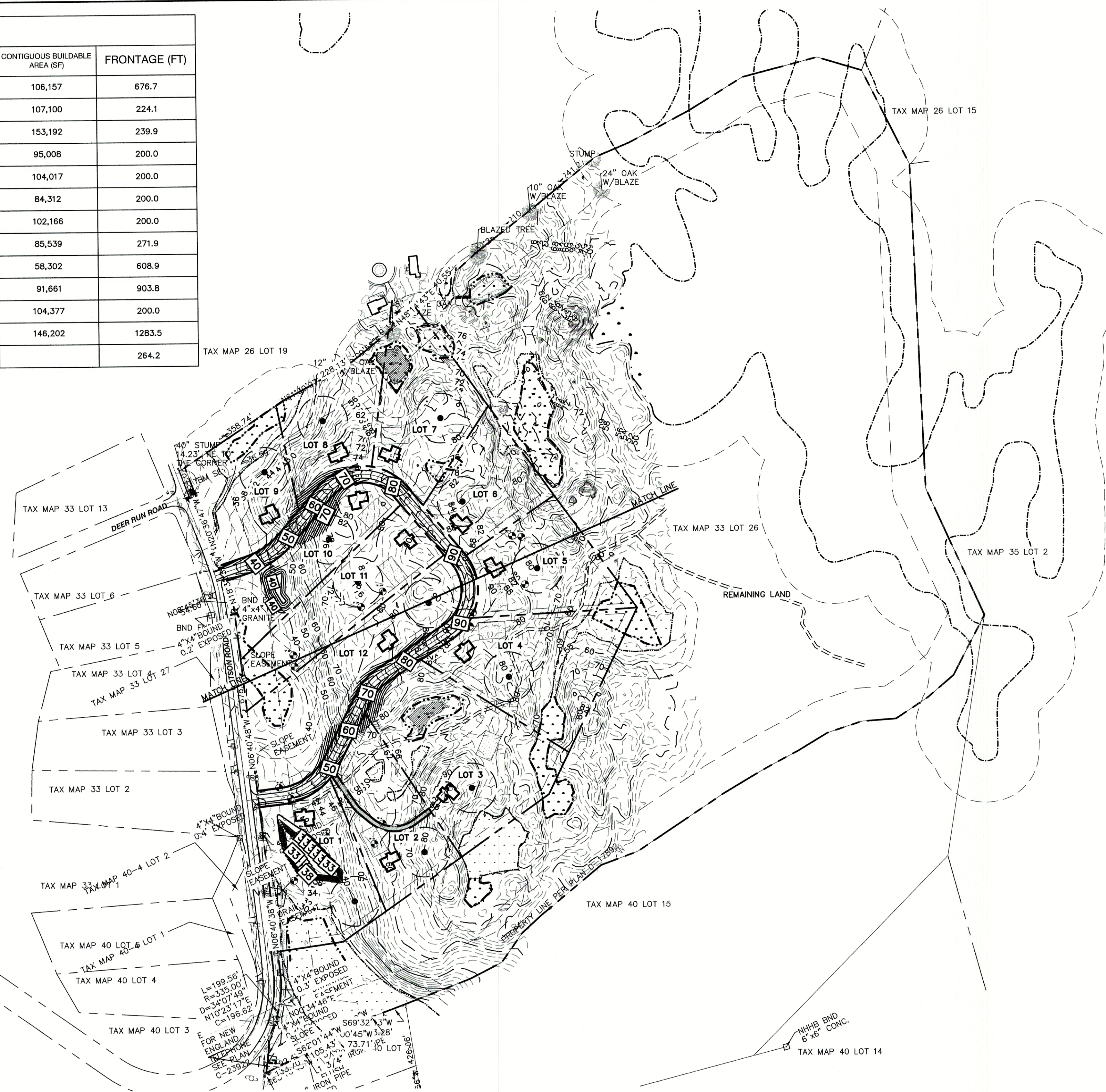
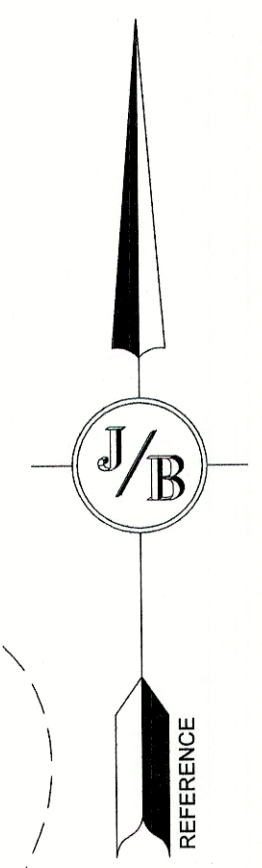
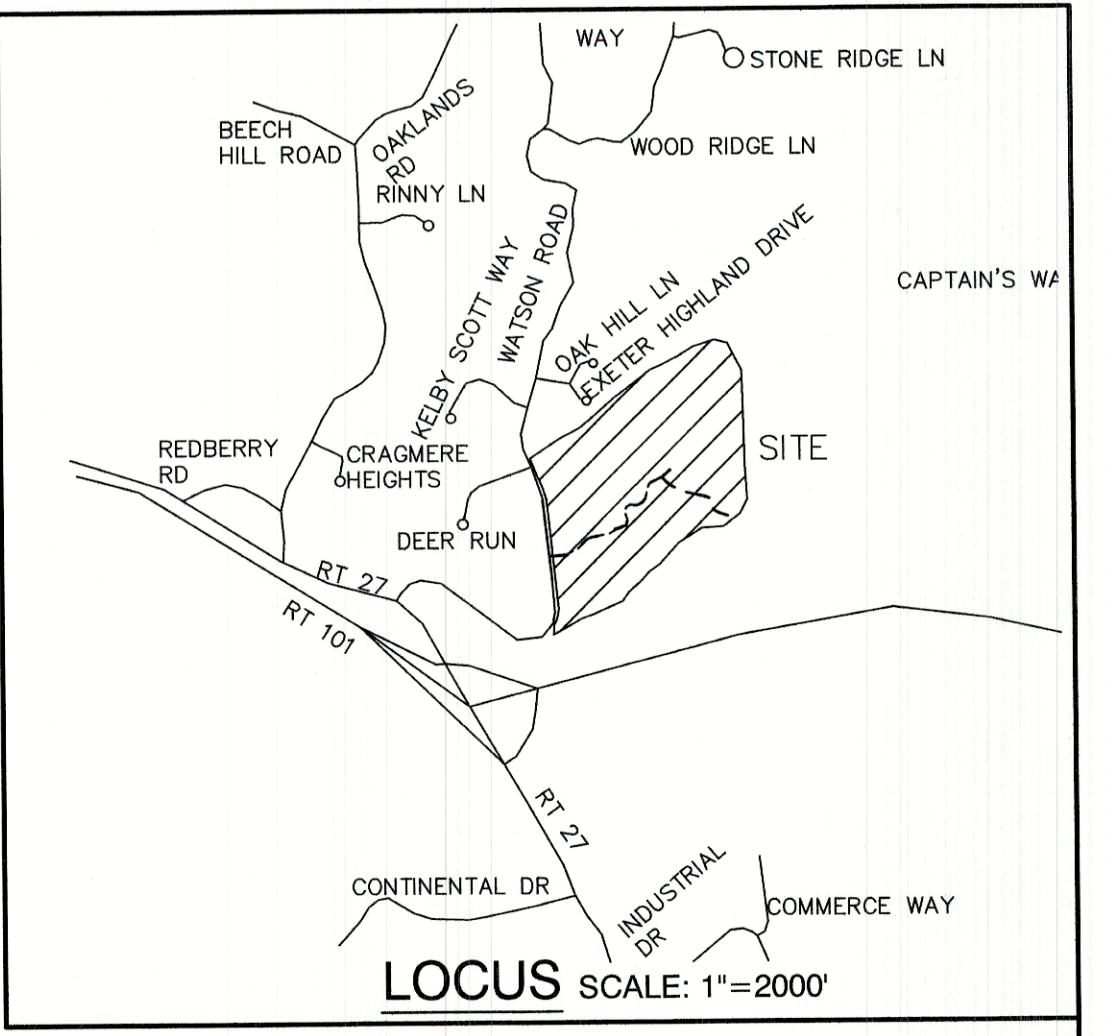
DRAWING No.

CS

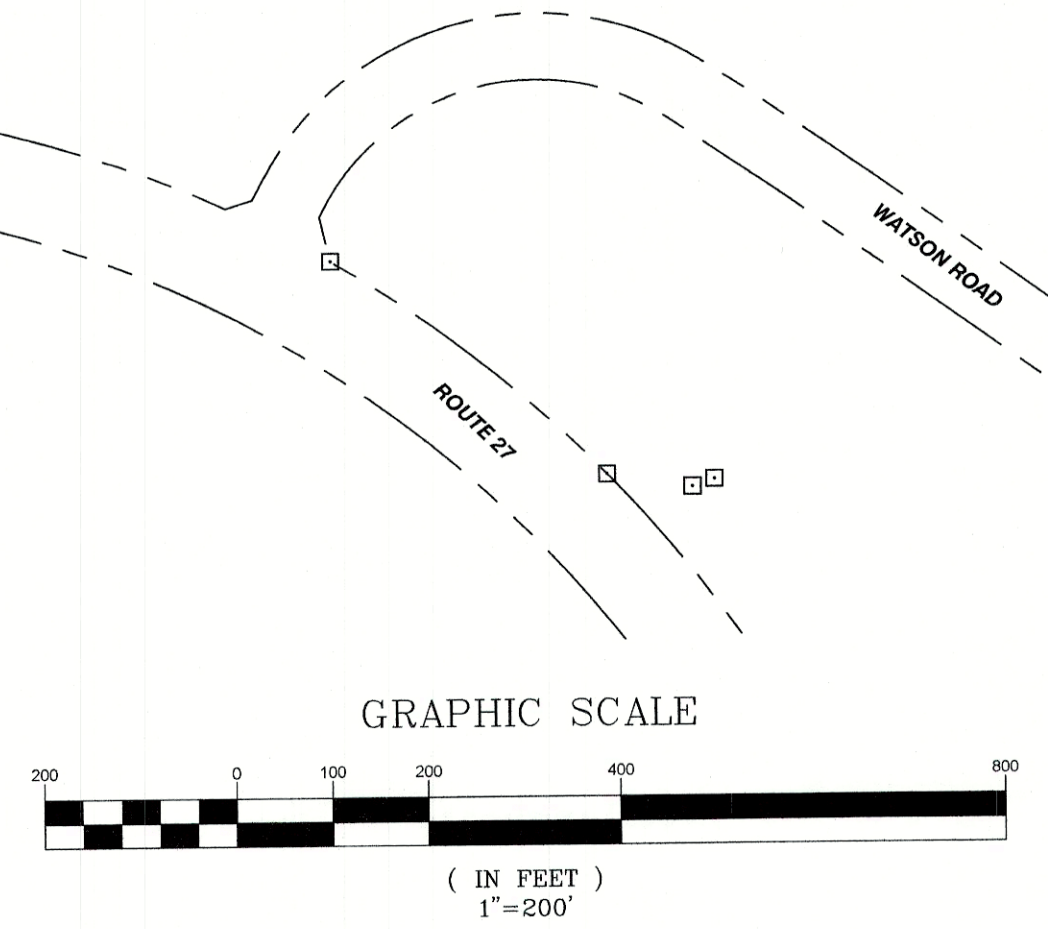
SHEET 1 OF 29  
JBE PROJECT NO. 19102



LOT TABLE					
LOT NUMBER	AREA (SF)	AREA (AC)	UPLAND (SF)	CONTIGUOUS BUILDABLE AREA (SF)	FRONTAGE (FT)
1	128,352	2.94	106,157	106,157	676.7
2	110,374	2.53	107,100	107,100	224.1
3	190,570	4.37	157,329	153,192	239.9
4	154,083	3.54	129,613	95,008	200.0
5	111,838	2.57	104,017	104,017	200.0
6	88,263	2.03	84,312	84,312	200.0
7	119,385	2.74	102,166	102,166	200.0
8	92,603	2.13	85,539	85,539	271.9
9	98,488	2.26	73,527	58,302	608.9
10	94,492	2.17	91,661	91,661	903.8
11	117,594	2.7	107,600	104,377	200.0
12	154,172	3.54	146,202	146,202	1283.5
REMAINING LAND		64.29 AC			264.2



- NOTES:**
- THE INTENT OF THIS PROJECT IS TO DEPICT THE CONCEPTUAL DEVELOPMENT OF TOWN OF EXETER TAX MAP 33/LOT 26 WITH A 12-LOT SINGLE-FAMILY RESIDENTIAL SUBDIVISION. ALL LOTS TO BE SERVICED BY ON-SITE WELLS AND SEPTICS.
  - CURRENT OWNER OF RECORD:  
SCOTT W. CARLISLE, III  
14 CASS STREET  
EXETER, NH 03833
  - ZONING DISTRICT: R-1  
LOT AREA MINIMUM = 2 AC.  
LOT FRONTAGE MINIMUM = 200' (W/O MUNICIPAL WATER+SEWER)  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 25'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'  
MAX. LOT COVERAGE = 15%
  - THE UTILITY LOCATIONS SHOWN HEREON WERE DETERMINED BY OBSERVED ABOVE GROUND EVIDENCE AND SHOULD BE CONSIDERED APPROXIMATE IN LOCATION ONLY. LOCATION, DEPTH, SIZE, TYPE, EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES AND/OR UNDERGROUND STORAGE TANKS WAS NOT VERIFIED BY THIS SURVEY. ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL DIG-SAFE AT 1-888-DIG-SAFE.
  - THIS SURVEY IS NOT A CERTIFICATION TO OWNERSHIP OR TITLE OF LANDS SHOWN. OWNERSHIP AND ENCUMBRANCES ARE MATTERS OF TITLE EXAMINATION NOT OF A BOUNDARY SURVEY. THE INTENT OF THIS PLAN IS TO RETRACE THE BOUNDARY LINES OF DEEDS REFERENCED HEREON. OWNERSHIP OF ADJOINING PROPERTIES IS ACCORDING TO ASSESSOR'S RECORDS. THIS PLAN MAY OR MAY NOT INDICATE ALL ENCUMBRANCES EXPRESSED, IMPLIED OR PRESCRIPTIVE.



**PROJECT PARCEL**  
TOWN OF EXETER  
TAX MAP 33, LOT 26  
TAX MAP 40, LOT 15

**APPLICANT/OWNER**  
W. SCOTT CARLISLE  
14 CASS STREET  
EXETER, NH 03833

**TOTAL LOT AREA**  
4,268,578 SQ. FT.  
97.99± ACRES

Design: BWG Draft: DFP Date: 08/26/21  
Checked: BWG Scale: AS SHOWN Project No.: 19102  
Drawing Name: 19102-YIELD1.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	05/21/21	REVISED PER TRC COMMENTS	BWG
0	08/27/19	ISSUED FOR REVIEW	DJM

Designed and Produced in NH  
**J/B Jones & Beach Engineers, Inc.**  
Civil Engineering Services  
85 Portsmouth Ave. PO Box 219 Stratham, NH 03885  
603-772-4746 FAX: 603-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **YIELD PLAN 1**  
Project: **CARLISLE SUBDIVISION  
35 WATSON ROAD, EXETER, NH**  
Owner of Record: **W. SCOTT CARLISLE  
14 CASS STREET, EXETER, NH 03833**

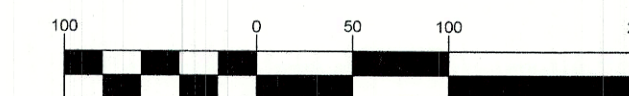
DRAWING No.  
**Y1**  
SHEET 2 OF 28  
JBE PROJECT NO. 19102



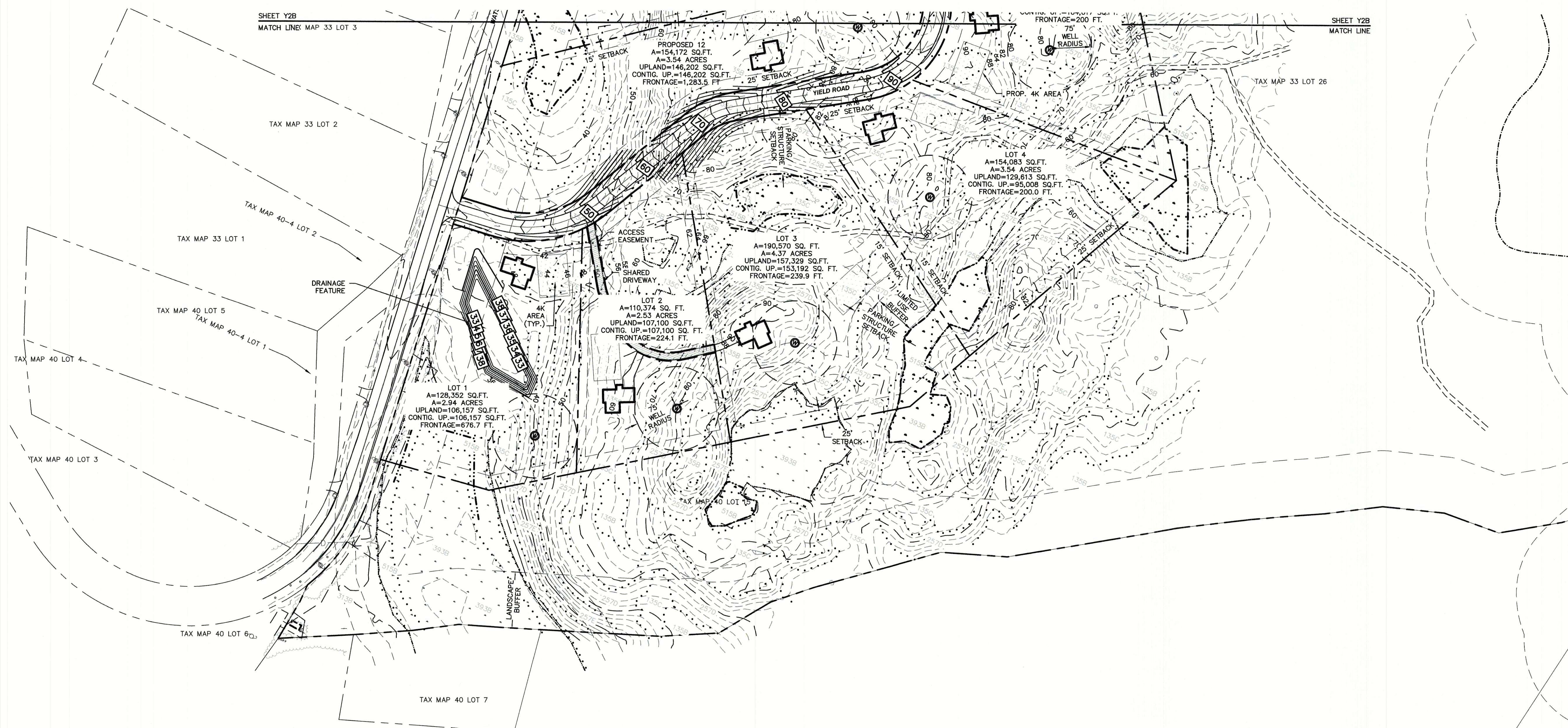
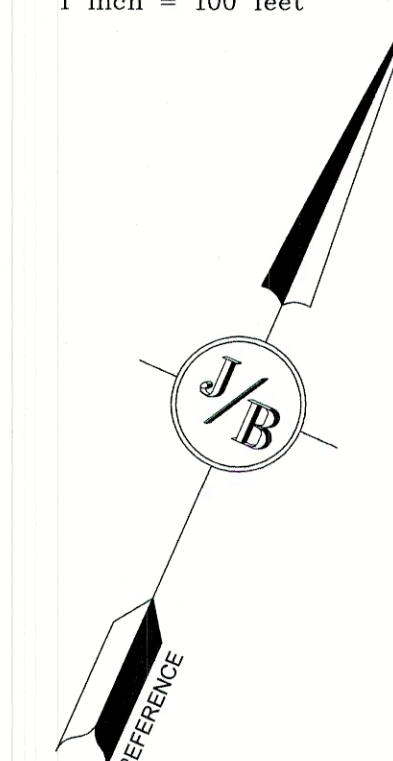




GRAPHIC SCALE



( IN FEET )  
1 inch = 100 feet



<b>PROJECT PARCEL</b> TOWN OF EXETER TAX MAP 33, LOT 26 TAX MAP 40, LOT 15	APPROVED - TOWN, STATE PLANNING BOARD  _____ _____ _____ DATE:
<b>APPLICANT/OWNER</b> W. SCOTT CARLISLE 14 CASS STREET EXETER, NH 03833	
<b>TOTAL LOT AREA</b> 4,268,578 SQ. FT. 97.99± ACRES	

Design: BWG Draft: DFP Date: 08/26/21  
 Checked: BWG Scale: AS SHOWN Project No.: 19102  
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REV.	DATE	REVISION	BY
1	05/21/21	REVISED PER TRC COMMENTS	BWG
0	08/27/19	ISSUED FOR REVIEW	DJM

Designed and Produced in NH

**J/B Jones & Beach Engineers, Inc.**  
 Civil Engineering Services

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

Plan Name:	<b>YIELD PLAN 1</b>
Project:	<b>CARLISLE SUBDIVISION 35 WATSON ROAD, EXETER, NH</b>
Owner of Record:	<b>W. SCOTT CARLISLE 14 CASS STREET, EXETER, NH 03833</b>

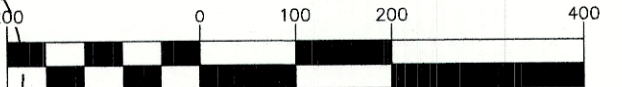
DRAWING No.  
**Y1B**  
 SHEET 4 OF 29  
 JBE PROJECT NO. 19102



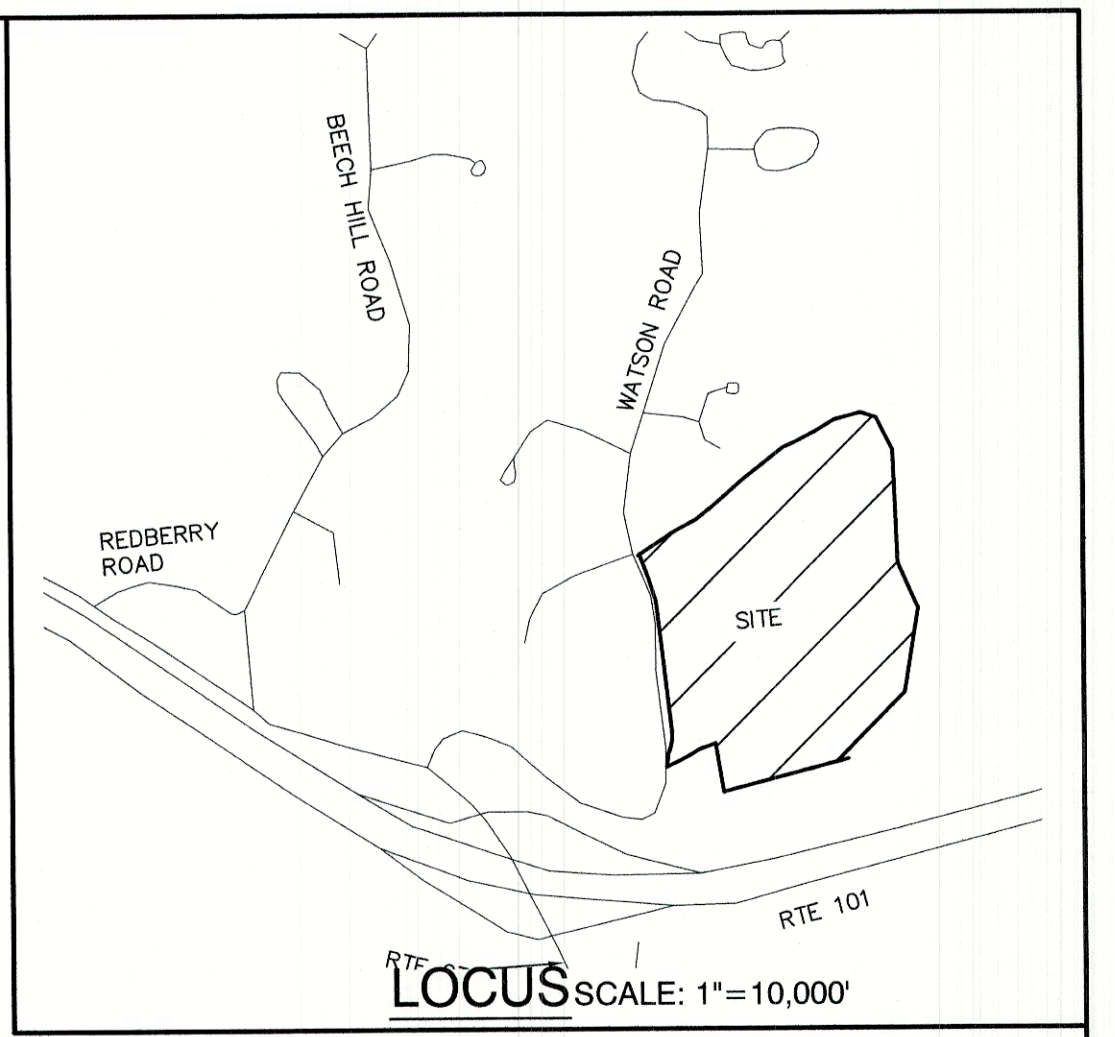
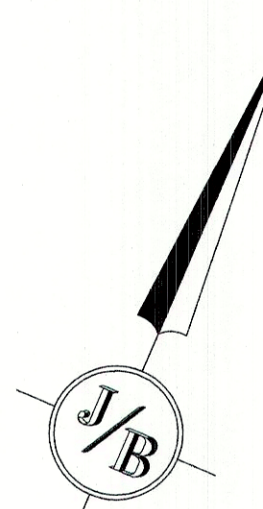
**GENERAL LEGEND**

EXISTING	DESCRIPTION
---	PROPERTY LINES
---	SETBACK LINES
---	FRESHWATER WETLANDS LINE
---	STREAM CHANNEL
---	TREE LINE
---	STONEWALL
---	BARBED WIRE
---	FENCE
---	STOCKADE FENCE
---	FLOOD PLAIN LINE
---	ZONELINE
---	EASEMENT
---	IRON PIPE/IRON ROD
---	DRILL HOLE
---	IRON ROD/DRILL HOLE
---	STONE/GRANITE BOUND
---	BENCHMARK (TBM)
---	TREES AND BUSHES
---	FRESHWATER WETLANDS
---	GRANITE BOUND TO BE SET
---	IRON PIN TO BE SET

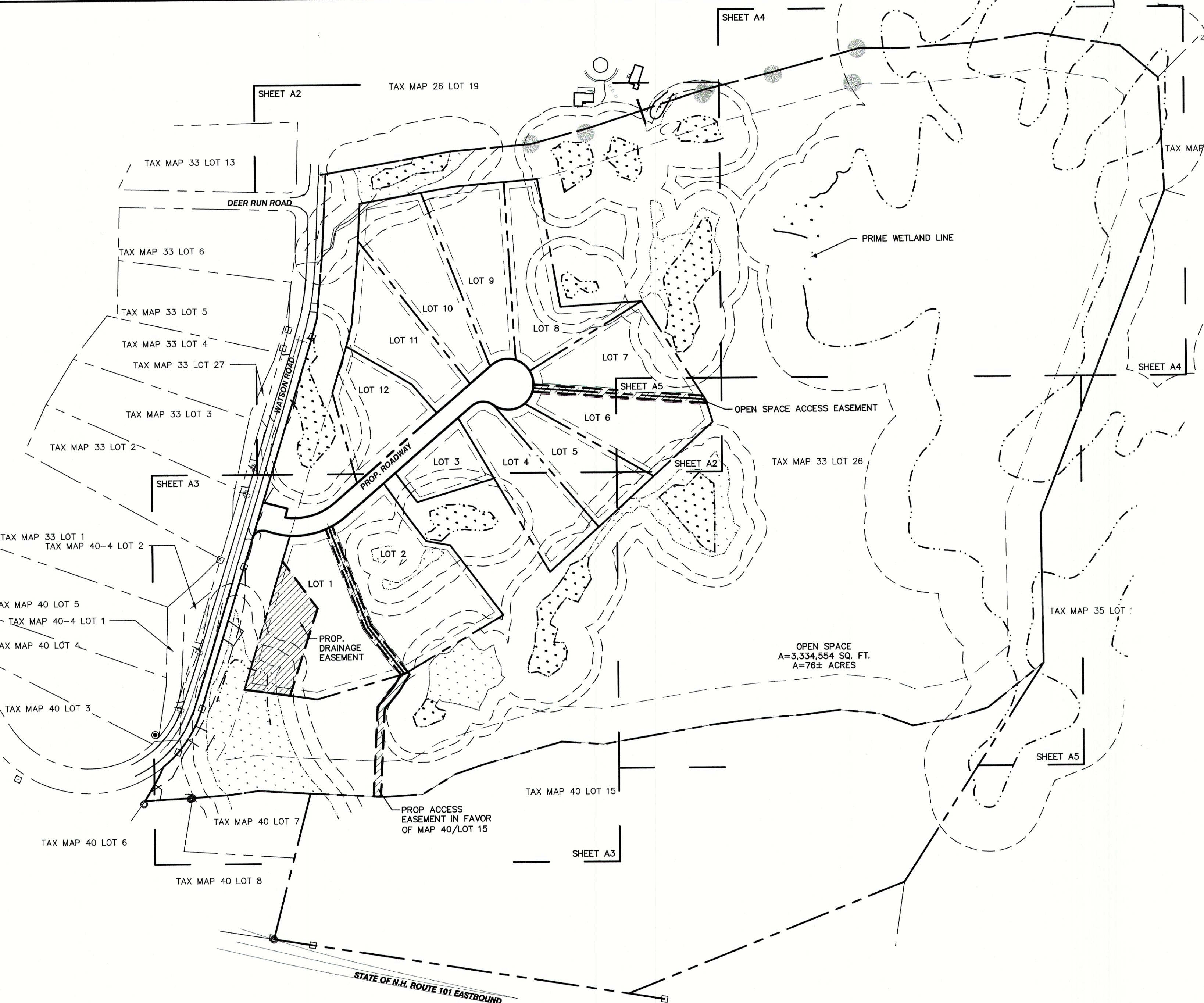
GRAPHIC SCALE



( IN FEET )  
1"=200'



LOCUS SCALE: 1"=10,000'



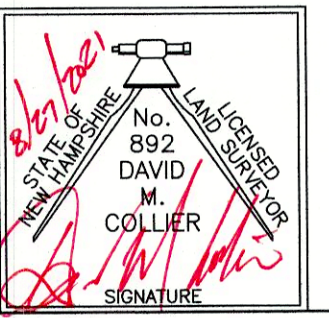
**PLAN REFERENCES:**

- "PLAT OF LAND EXETER, NH FOR SCOTT CARLISLE, III"; PREPARED BY DURGIN SCOFIELD ASSOCIATES; DATED FEBRUARY 23, 1989; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS PLAN D-19708.
- "PLAT OF LAND EXETER, NH FOR SCOTT CARLISLE, III"; PREPARED BY DURGIN SCOFIELD ASSOCIATES; DATED APRIL 26, 1988; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS PLAN D-17892.
- "PLAN OF LAND FOR COURMA LTD IN EXETER, NH"; PREPARED BY PARKER SURVEY ASSOCIATES; DATED DECEMBER 31, 1984; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS D-13187.
- "SUBDIVISION OF LAND FOR COURMA LTD IN EXETER, NH"; PREPARED BY PARKER SURVEY ASSOCIATES; DATED MARCH 22, 1984; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS D-12470.
- "PLANS OF PROPOSED FEDERAL AID RIGHT OF WAY PROJECT NHS-STP-F-1-018-2(79) ROW NH PROJECT NO. 11533 NHS-018-2(113)(CONSTRUCTION) NH PROJECT NO. 11533-F"; PREPARED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION AND HOLDEN ENGINEERING & SURVEYING, INC.; DATED SEPTEMBER 4, 1994.
- "SUBDIVISION PLAN EXETER HIGHLANDS EXETER, NH"; PREPARED BY HOLDEN ENGINEERING & SURVEYING, INC.; DATED NOVEMBER 15, 1989; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS PLAN D-19913.

**CERTIFICATION:**

I CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEEDS BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.



DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE: 8/27/2021

**SUBDIVISION NOTES:**

- THE INTENT OF THIS PLAN IS TO SUBDIVIDE MAP 33 LOT 26 INTO TWELVE (12) SINGLE FAMILY OPEN-SPACE RESIDENTIAL LOTS WITH ONSITE WATER AND SEPTIC. COMPLETE 25 SHEET PLAN SET IS ON FILE AT THE PLANNING BOARD OFFICE.
- ZONING DISTRICT: OPEN SPACE  
LOT AREA MINIMUM = 15,000 S.F.  
LOT FRONTAGE MINIMUM = 50'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 20'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'
- ZONING DISTRICT: R-1  
LOT AREA MINIMUM = 2 ACRES  
LOT FRONTAGE MINIMUM = 150'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 25'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'
- WITH APPROVAL OF THIS PLAN BY THE PLANNING BOARD, THE FOLLOWING WAIVERS ARE GRANTED FROM THE "SUBDIVISION REGULATIONS":

- SITE AND SUBDIVISION REGULATIONS SECT. 7.4.12-REQUIRING SURVEYED METES AND BOUNDS FOR ENTIRE PARCEL.
- NHDES APPROVAL FOR SUBDIVISION PERMIT NO. \_\_\_\_\_, DATED \_\_\_\_\_, NHDES ALTERATION OF TERRAIN PERMIT NO. \_\_\_\_\_, DATED \_\_\_\_\_.
- 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.
- THE SUBJECT PARCEL IS LOCATED WITHIN AN AREA HAVING A ZONE X SHADED DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 33015C0238E, WITH EFFECTIVE DATE OF MAY 17, 2005, FOR COMMUNITY PANEL NO. 239 OF 681, IN ROCKINGHAM COUNTY, STATE OF NEW HAMPSHIRE, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR COMMUNITY IN WHICH SAID PREMISES IS SITUATED. SUBJECT PARCEL IS ALSO ON MAP NO. 33015C0238E AND IS IN ZONE X UNSHADED.
- 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 ONSITE 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 CONSTRUCTION WILL CONFORM TO TOWN STANDARDS AND REGULATIONS, AND NH DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WHICHEVER IS MORE STRINGENT.
- ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
- GRANITE BOUNDS TO BE SET AT ALL ROADWAY POINTS OF CURVATURE AND TANGENCY. IRON RODS WITH SURVEY CAPS TO BE SET AT ALL PROPERTY CORNERS AND ANGLE POINTS, UNLESS OTHERWISE INDICATED. ALL MONUMENTS SET ARE 5/8" IRON RODS WITH ALUMINUM CAPS MARKED "JONES & BEACH ENGINEERS BOUNDARY, DO NOT DISTURB, STRATHAM, N.H." AS SHOWN.
- THE LIMITS OF JURISDICTIONAL WETLANDS WERE DELINEATED BY BRENDAN QUIGLEY OF GOVE ENVIRONMENTAL SERVICES, INC. IN JUNE, 2020 IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:  
A. THE CORPS OF ENGINEERS FEDERAL MANUAL FOR IDENTIFYING AND DELINEATING JURISDICTIONAL WETLANDS.  
B. THE NORTH CENTRAL & NORTHEAST REGIONAL SUPPLEMENT TO THE FEDERAL MANUAL.  
C. THE CURRENT VERSION OF THE FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, AS PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION AND/OR THE CURRENT VERSION OF THE FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, AS PUBLISHED BY THE USDA, NRCS, AS APPROPRIATE.  
D. THE CURRENT NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS, AS PUBLISHED BY THE US FISH AND WILDLIFE SERVICE.
- LANDOWNERS ARE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING PERMITTING REQUIRED UNDER THESE REGULATIONS.
- UPON APPROVAL BY THE TOWN, THE PROPOSED ROAD WILL BE CONVEYED TO THE TOWN.
- ALL UTILITIES SHALL BE INSTALLED UNDERGROUND.
- ALL BOOK AND PAGE NUMBERS REFER TO THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
- THE TAX MAP AND LOT NUMBERS AND ABUTTING OWNERS ARE BASED ON THE TOWN OF EXETER TAX RECORDS AND ARE SUBJECT TO CHANGE.
- RESEARCH WAS PERFORMED AT THE TOWN OF EXETER ASSESSORS OFFICE AND THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
- THIS SURVEY IS NOT A CERTIFICATION TO OWNERSHIP OR TITLE OF LANDS SHOWN. OWNERSHIP AND ENCUMBRANCES ARE MATTERS OF TITLE EXAMINATION NOT OF A BOUNDARY SURVEY. THE INTENT OF THIS PLAN IS TO RETRACE THE BOUNDARY LINES OF DEEDS REFERENCED HEREON. OWNERSHIP OF ADJOINING PROPERTIES IS ACCORDING TO ASSESSOR'S RECORDS. THIS PLAN MAY OR MAY NOT INDICATE ALL ENCUMBRANCES EXPRESSED, IMPLIED OR PRESCRIPTIVE.
- ANY USE OF THIS PLAN AND OR ACCOMPANYING DESCRIPTIONS SHOULD BE DONE WITH LEGAL COUNSEL TO BE CERTAIN THAT TITLES ARE CLEAR, THAT INFORMATION IS CURRENT, AND THAT ANY NECESSARY CERTIFICATES ARE IN PLACE FOR A PARTICULAR CONVEYANCE, OR OTHER USES.
- THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL WETLANDS REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.

TOWN OF EXETER PLANNING BOARD	
DATE:	
CHAIRMAN	

<b>PROJECT PARCEL</b> TOWN OF EXETER TAX MAP 33 LOT 26
<b>APPLICANT/OWNER</b> WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833
<b>TOTAL LOT AREA</b> 4,268,578 SQ. FT. 97.99 ACRES

Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-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	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

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:	<b>SUBDIVISION PLAN</b> MAP 33 LOT 26
Project:	<b>TAX MAP 33 LOT 26</b> 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.

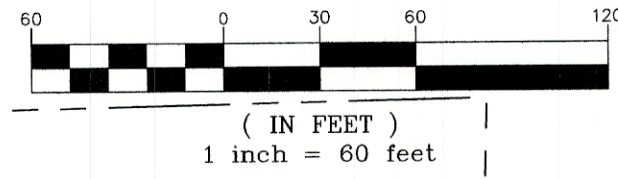
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SHEET 5 OF 29  
JBE PROJECT NO. 19102

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GRAPHIC SCALE



MAP 33 / LOT 13  
ASACKER C KIMBERLY  
2 DEER RUN RD  
EXETER, NH 03833  
BK 3225/ PG 1167

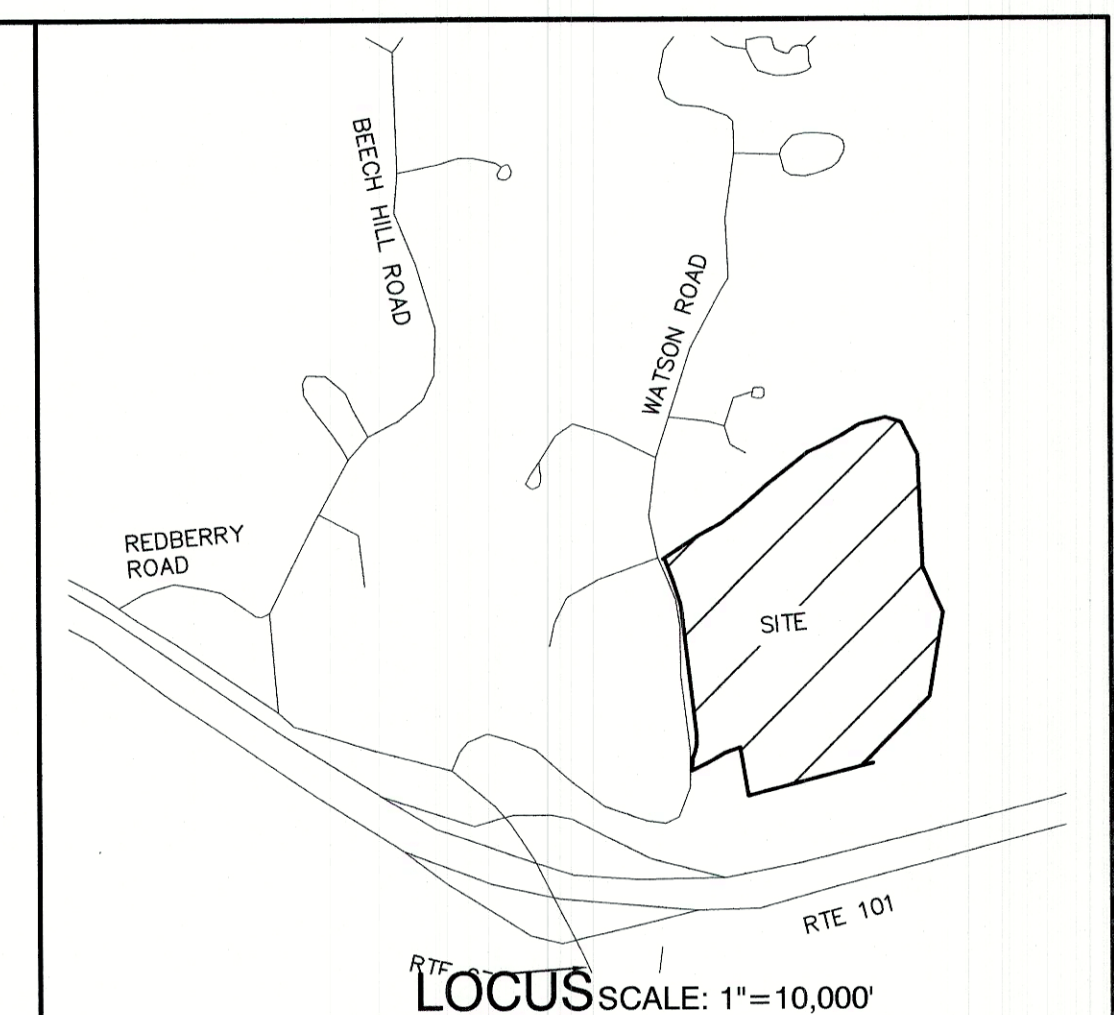
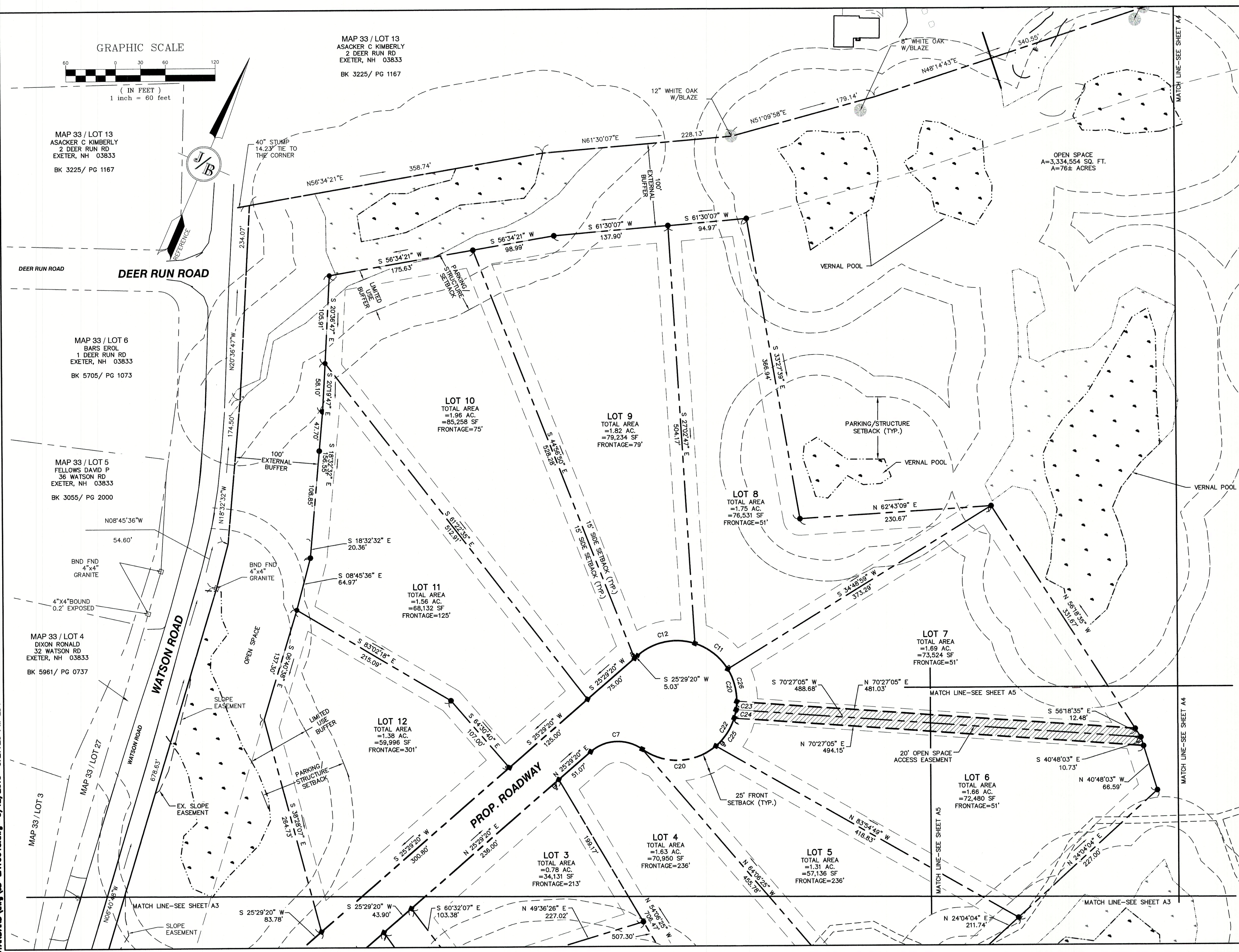
MAP 33 / LOT 13  
ASACKER C KIMBERLY  
2 DEER RUN RD  
EXETER, NH 03833  
BK 3225/ PG 1167

MAP 33 / LOT 6  
BARS EROL  
1 DEER RUN RD  
EXETER, NH 03833  
BK 5705/ PG 1073

MAP 33 / LOT 5  
DIXON RONALD  
36 WATSON RD  
EXETER, NH 03833  
BK 3055/ PG 2000

MAP 33 / LOT 4  
DIXON RONALD  
32 WATSON RD  
EXETER, NH 03833  
BK 5961/ PG 0737

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CURVE TABLE:

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	30.00'	47.12'	42.43'	N 38°19'22" E	90°00'00"
C2	225.00'	53.79'	53.66'	S 76°28'29" W	13°41'47"
C3	225.00'	113.41'	10.02'	S 55°11'12" W	28°52'47"
C4	225.00'	10.02'	10.02'	S 42°01'20" W	2°33'03"
C5	225.00'	10.05'	10.05'	N 39°28'01" E	2°33'36"
C6	225.00'	59.92'	59.74'	N 33°07'04" E	15°15'28"
C7	50.00'	66.96'	62.07'	N 63°51'18" E	76°43'55"
C8	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C9	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C10	72.00'	51.06'	50.00'	S 34°51'58" E	40°38'06"
C11	72.00'	51.06'	50.00'	N 75°30'04" W	40°38'06"
C12	72.00'	73.76'	70.57'	N 54°50'07" E	58°41'33"
C13	175.00'	176.64'	169.24'	N 54°24'21" E	57°50'02"
C14	30.00'	47.12'	42.43'	S 51°40'38" E	90°00'00"
C20	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C21	72.00'	51.06'	50.00'	N 34°51'58" W	40°38'06"
C22	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C23	59.22'	10.01'	10.00'	N 18°31'52" W	9°41'18"
C24	59.22'	10.01'	10.00'	N 10°30'59" W	9°41'18"
C25	72.00'	40.93'	40.38'	N 09°48'04" E	32°34'15"
C26	72.00'	41.05'	40.50'	N 38°50'55" W	32°40'11"
C28	225.00'	49.86'	49.76'	S 31°50'16" W	12°41'52"
C29	225.00'	10.05'	10.05'	S 39°28'01" W	2°33'36"
C30	225.00'	10.02'	10.02'	N 42°01'20" E	2°33'03"
C31	225.00'	103.39'	102.49'	N 56°27'44" E	26°19'44"

ADDITIONAL ABUTTERS:

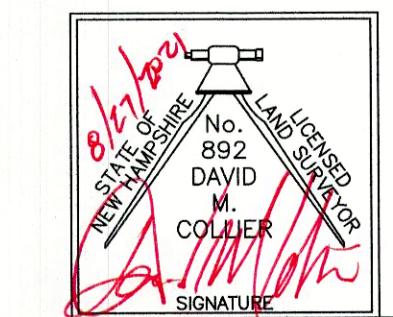
MAP 33 / LOT 3  
JEDREY RICHARD A  
28 WATSON RD  
EXETER, NH 03833  
BK 4969/ PG 2235

MAP 33 / LOT 27  
EXETER TOWN OF  
10 FRONT STREET  
EXETER, NH 03833  
BK 5460/ PG 1787

CERTIFICATION:

I CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEEDS BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.



8/21/2011

DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE:

TOWN OF EXETER PLANNING BOARD	PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26
DATE:	APPLICANT/OWNER WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833
CHAIRMAN	TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES

Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-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	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

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: **SUBDIVISION PLAN**  
MAP 33, LOT 26

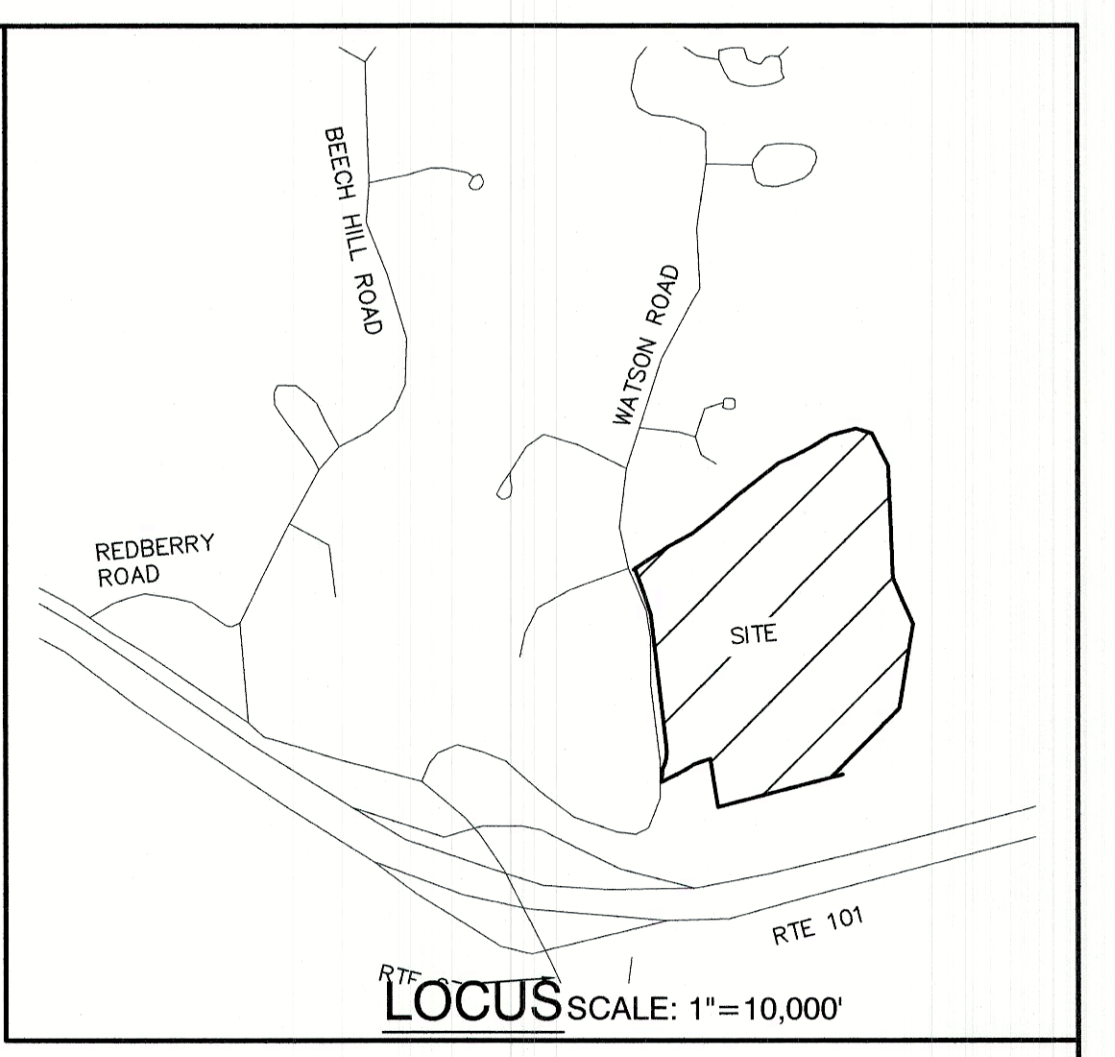
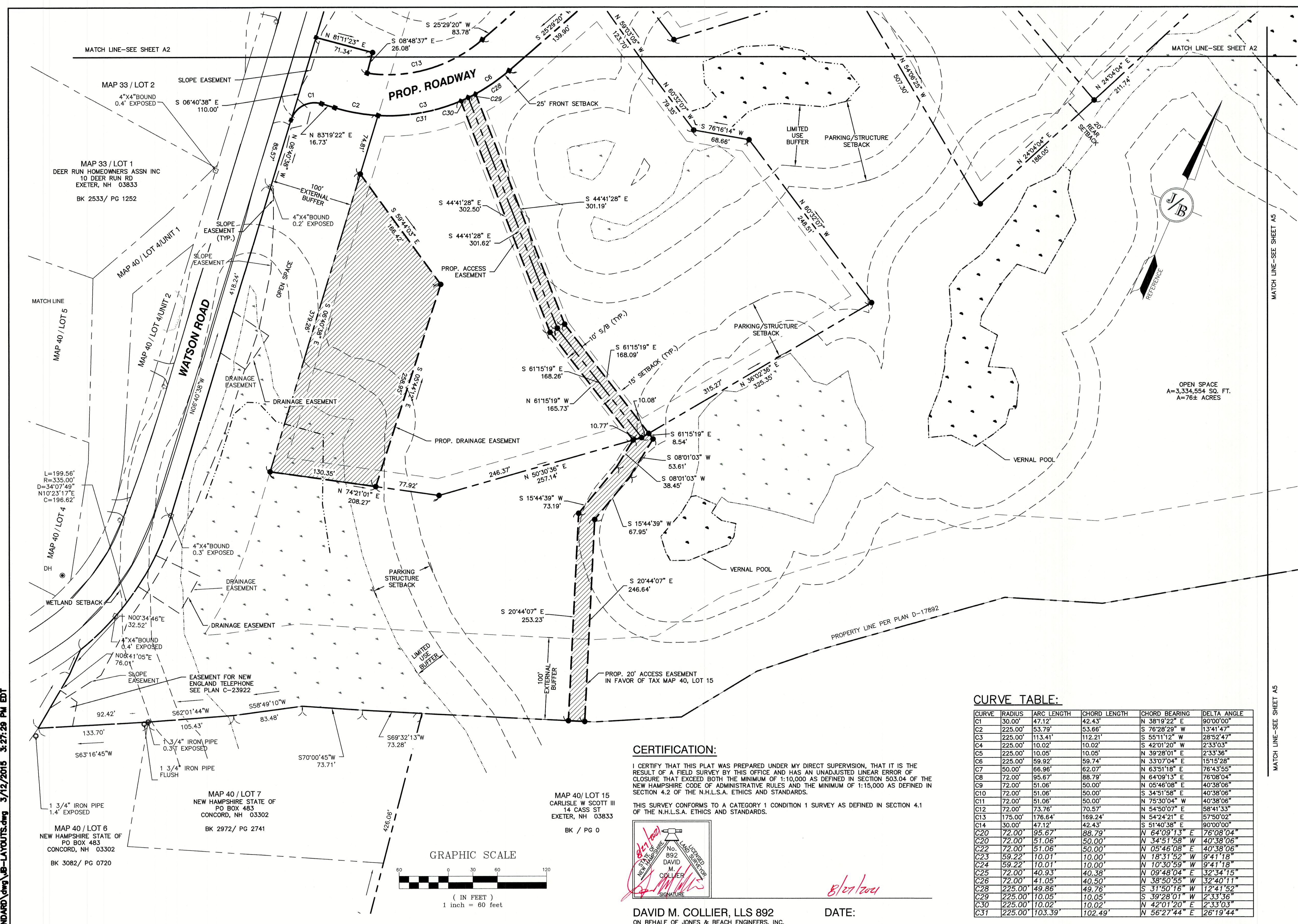
Project: **TAX MAP 33 LOT 26**  
19 WATSON ROAD, EXETER, NH

Owner of Record: **SCOTT W. CARLISLE III**  
14 CASS STREET, EXETER, NH 03833

DRAWING No. **A2**

SHEET 6 OF 29  
JBE PROJECT NO. 19102





**GENERAL LEGEND**

EXISTING	DESCRIPTION
---	PROPERTY LINES
- - - -	SETBACK LINES
- · - · -	FRESHWATER WETLANDS LINE
~ ~ ~ ~	STREAM CHANNEL
	TREE LINE
—●—●—	STONEWALL
—○—○—	BARBED WIRE
—□—□—	FENCE
—■—■—	STOCKADE FENCE
—▲—▲—	FLOOD PLAIN LINE
—◇—◇—	ZONELINE
—○—	EASEMENT
—○—	IRON PIPE/IRON ROD
—x—	DRILL HOLE
—□—	IRON ROD/DRILL HOLE
—■—	STONE/GRANITE BOUND
—●—	BENCHMARK (TBM)
—○—	TREES AND BUSHES
—○—	FRESHWATER WETLANDS
—○—	GRANITE BOUND TO BE SET
—○—	IRON PIN TO BE SET

**ADDITIONAL ABUTTERS:**

MAP 33 / LOT 2 ARCIERI ELLEN M 24 WATSON RD EXETER, NH 03833 BK 5984 / PG 2734	MAP 40 / LOT 4/UNIT 2 EXETER TOWN OF 10 FRONT STREET EXETER, NH 03833 BK 0 / PG 0	MAP 40 / LOT 5 ST HILAIRE MICHELE A 16 WATSON RD EXETER, NH 03833 BK 4459 / PG 2680
MAP 40 / LOT 4/UNIT 1 EXETER TOWN OF 10 FRONT STREET EXETER, NH 03833 BK 0 / PG 0	MAP 40 / LOT 4 HOUE FAMILY REVOCABLE TRUST 12 WATSON RD EXETER, NH 03833 BK 5760 / PG 2262	

<b>PROJECT PARCEL</b> TOWN OF EXETER TAX MAP 33 LOT 26
<b>APPLICANT/OWNER</b> VW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833
<b>TOTAL LOT AREA</b> 4,268,578 SQ. FT. 97.99 ACRES

TOWN OF EXETER PLANNING BOARD

DATE: \_\_\_\_\_

CHAIRMAN \_\_\_\_\_

**CURVE TABLE:**

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	30.00'	47.12'	42.43'	N 38°19'22" E	90°00'00"
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C3	225.00'	113.41'	112.21'	S 55°11'12" W	28°52'47"
C4	225.00'	10.02'	10.02'	S 42°01'20" W	2°33'03"
C5	225.00'	10.05'	10.05'	N 39°28'01" E	2°33'36"
C6	225.00'	59.92'	59.74'	N 33°07'04" E	15°15'28"
C7	50.00'	66.96'	62.07'	N 63°51'18" E	76°43'55"
C8	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C9	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C10	72.00'	51.06'	50.00'	S 34°51'58" E	40°38'06"
C11	72.00'	51.06'	50.00'	N 75°30'04" W	40°38'06"
C12	72.00'	73.76'	70.57'	N 54°50'07" E	58°41'33"
C13	175.00'	176.64'	169.24'	N 54°24'21" E	57°50'02"
C14	30.00'	47.12'	42.43'	S 51°40'38" E	90°00'00"
C20	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C21	72.00'	51.06'	50.00'	N 34°51'58" W	40°38'06"
C22	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C23	59.22'	10.01'	10.00'	N 18°31'52" W	9°41'18"
C24	59.22'	10.01'	10.00'	N 10°30'59" W	9°41'18"
C25	72.00'	40.93'	40.38'	N 09°48'04" E	32°34'15"
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C31	225.00'	103.39'	102.49'	N 56°27'44" E	26°19'44"

**CERTIFICATION:**

I CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEEDS BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE: 8/27/2021

Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-PLAN.dwg		
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REV.	DATE	REVISION	BY
1	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

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:	<b>SUBDIVISION PLAN</b> MAP 33, LOT 26
Project:	<b>TAX MAP 33 LOT 26</b> 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.

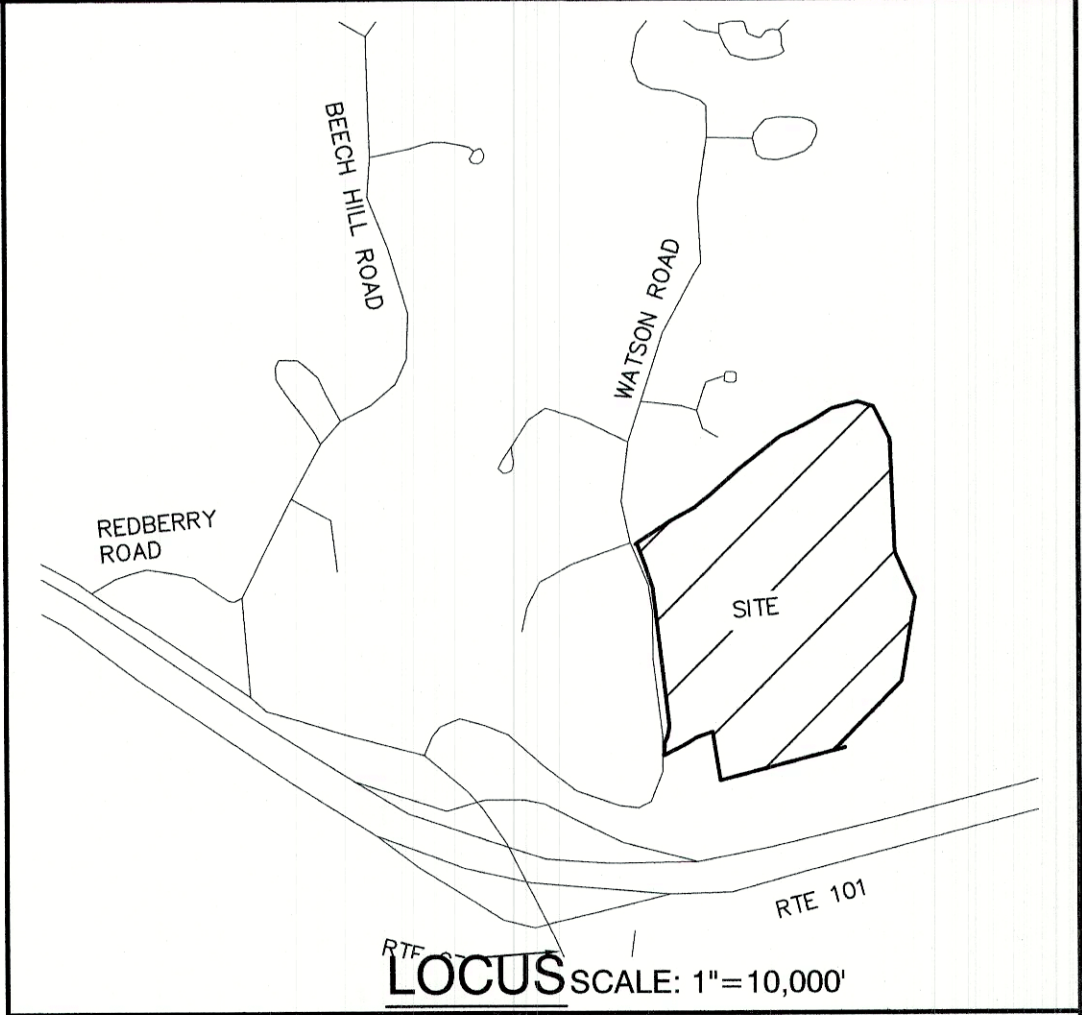
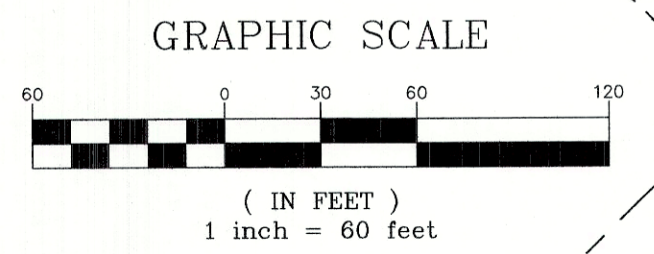
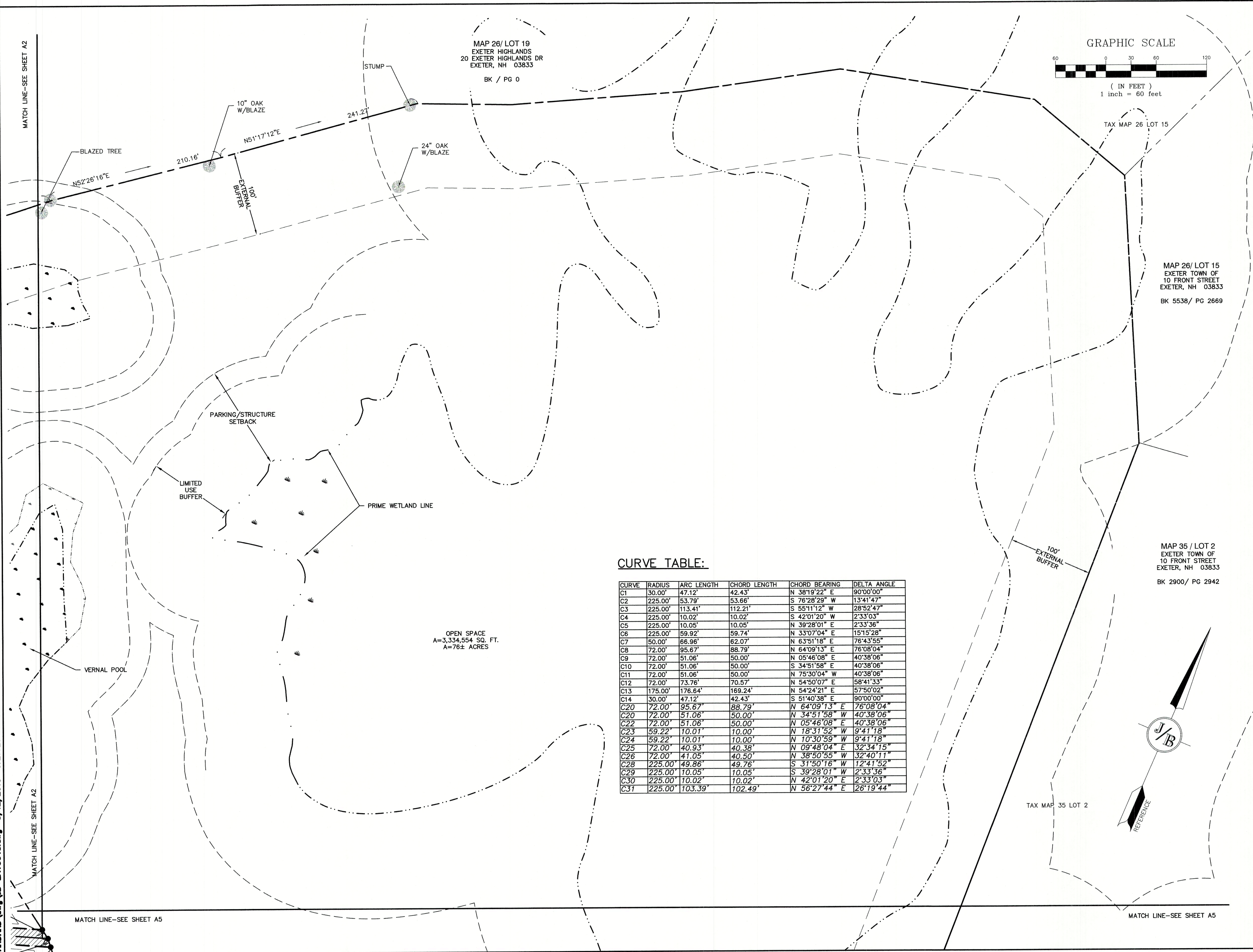
**A3**

SHEET 7 OF 29  
JBE PROJECT NO. 19102

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**GENERAL LEGEND**

EXISTING	DESCRIPTION
---	PROPERTY LINES
---	SETBACK LINES
---	FRESHWATER WETLANDS LINE
---	STREAM CHANNEL
---	TREE LINE
---	STONEMALL
---	BARBED WIRE
---	FENCE
---	STOCKADE FENCE
---	FLOOD PLAIN LINE
---	ZONELINE
---	EASEMENT
○	IRON PIPE/IRON ROD
×	DRILL HOLE
□	IRON ROD/DRILL HOLE
■	STONE/GRANITE BOUND
●	BENCHMARK (TBM)
○	TREES AND BUSHES
○	FRESHWATER WETLANDS
■	GRANITE BOUND TO BE SET
●	IRON PIN TO BE SET

**CURVE TABLE:**

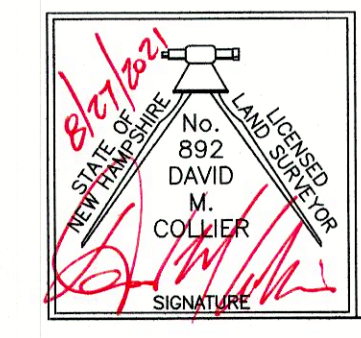
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	30.00'	47.12'	42.43'	N 38°19'22" E	90°00'00"
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C3	225.00'	113.41'	112.21'	S 55°11'12" W	28°52'47"
C4	225.00'	10.02'	10.02'	S 42°01'20" W	2°33'03"
C5	225.00'	10.05'	10.05'	N 39°28'01" E	2°33'36"
C6	225.00'	59.92'	59.74'	N 33°07'04" E	15°15'28"
C7	50.00'	66.96'	62.07'	N 63°51'18" E	76°43'55"
C8	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C9	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C10	72.00'	51.06'	50.00'	S 34°51'58" E	40°38'06"
C11	72.00'	51.06'	50.00'	N 75°30'04" W	40°38'06"
C12	72.00'	73.78'	70.57'	N 54°50'07" E	58°41'33"
C13	175.00'	176.64'	169.24'	N 54°24'21" E	57°50'02"
C14	30.00'	47.12'	42.43'	S 51°40'38" E	90°00'00"
C20	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C20	72.00'	51.06'	50.00'	N 34°51'58" W	40°38'06"
C22	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C23	59.22'	10.01'	10.00'	N 18°31'52" W	9°41'18"
C24	59.22'	10.01'	10.00'	N 10°30'59" W	9°41'18"
C25	72.00'	40.93'	40.38'	N 09°48'04" E	32°34'15"
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C31	225.00'	103.39'	102.49'	N 56°27'44" E	26°19'44"

OPEN SPACE  
A=3,334,554 SQ. FT.  
A=76± ACRES

**CERTIFICATION:**

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 UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEEDS BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.



DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE: 3/27/2021

TOWN OF EXETER PLANNING BOARD	PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26
DATE:	APPLICANT/OWNER WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833
CHAIRMAN	TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES

Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-PLAN.dwg		
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REV.	DATE	REVISION	BY
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0	12/22/20	ISSUED FOR REVIEW	BWG

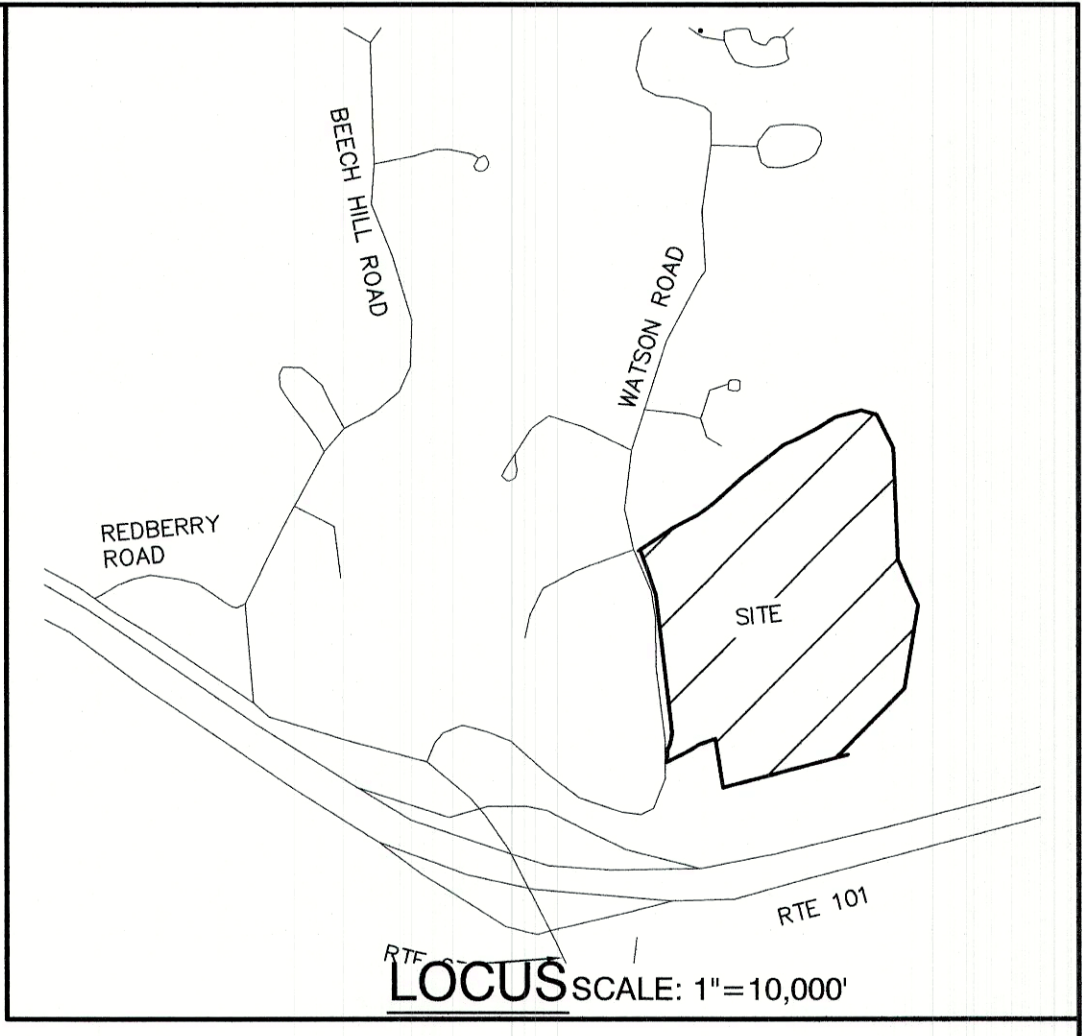
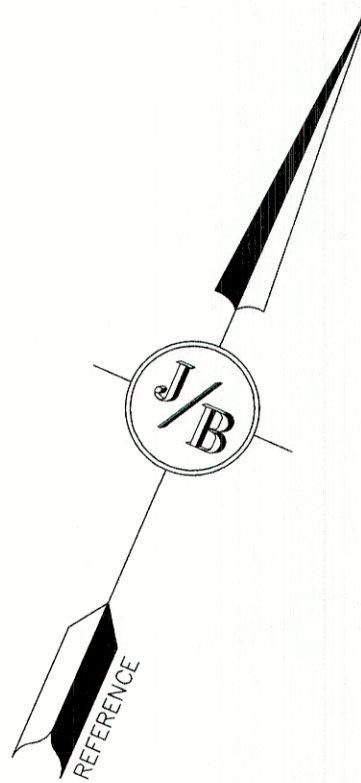
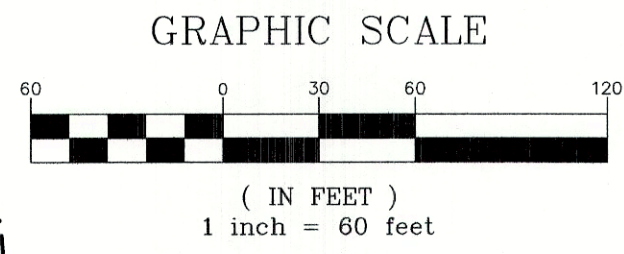
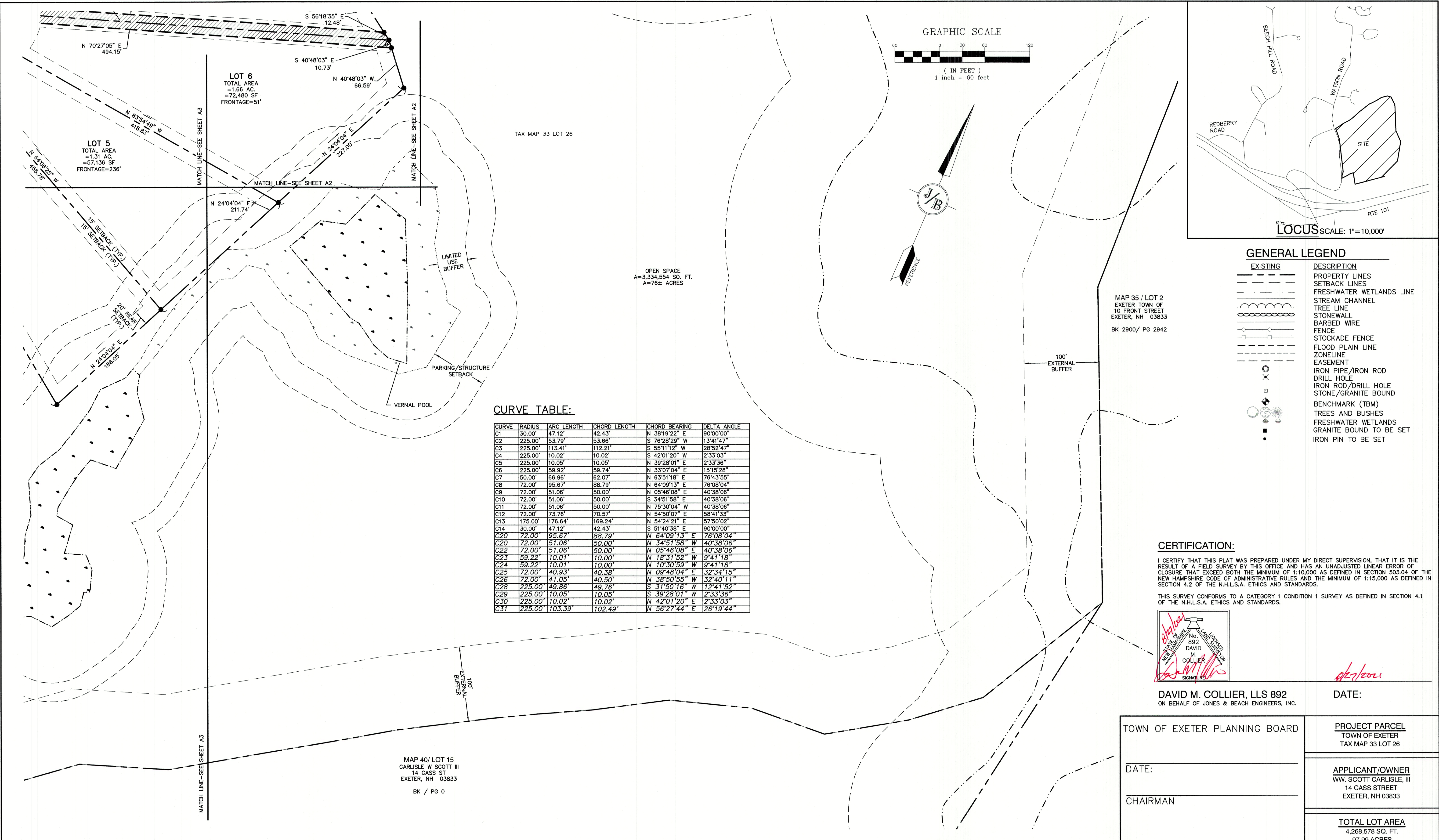
**J/B Jones & Beach Engineers, Inc.**  
 85 Portsmouth Ave. Civil Engineering Services 603-772-4746  
 PO Box 219 Stratham, NH 03885 FAX: 603-772-0227  
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **SUBDIVISION PLAN**  
 MAP 33 LOT 26  
 Project: **19 WATSON ROAD, EXETER, NH**  
 Owner of Record: **SCOTT W. CARLISLE III**  
 14 CASS STREET, EXETER, NH 03833

DRAWING No. **A4**  
 SHEET 8 OF 29  
 JBE PROJECT NO. 19102



F:\CADD\MASTER STANDARD\dwg\JB-LAYOUTS.dwg 3/12/2015 3:27:29 PM EDT



**GENERAL LEGEND**

EXISTING	DESCRIPTION
---	PROPERTY LINES
---	SETBACK LINES
---	FRESHWATER WETLANDS LINE
---	STREAM CHANNEL
---	TREE LINE
---	STONEWALL
---	BARBED WIRE
---	FENCE
---	STOCKADE FENCE
---	FLOOD PLAIN LINE
---	ZONELINE
---	EASEMENT
○	IRON PIPE/IRON ROD
○	DRILL HOLE
○	IRON ROD/DRILL HOLE
○	STONE/GRANITE BOUND
○	BENCHMARK (TBM)
○	TREES AND BUSHES
○	FRESHWATER WETLANDS
○	GRANITE BOUND TO BE SET
○	IRON PIN TO BE SET

OPEN SPACE  
A=3,354,554 SQ. FT.  
A=76± ACRES

**CURVE TABLE:**

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	30.00'	47.12'	42.43'	N 38°19'22" E	90°00'00"
C2	225.00'	53.79'	53.66'	S 76°28'29" W	13°41'47"
C3	225.00'	113.41'	112.21'	S 55°11'22" W	28°52'47"
C4	225.00'	10.02'	10.02'	S 42°01'20" W	2°33'03"
C5	225.00'	10.05'	10.05'	N 39°28'01" E	2°33'36"
C6	225.00'	59.92'	59.74'	N 33°07'04" E	15°15'28"
C7	50.00'	66.96'	62.07'	N 63°51'18" E	76°43'55"
C8	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C9	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C10	72.00'	51.06'	50.00'	S 34°51'58" E	40°38'06"
C11	72.00'	51.06'	50.00'	N 75°30'04" W	40°38'06"
C12	72.00'	73.76'	70.57'	N 54°50'07" E	58°41'33"
C13	175.00'	176.64'	169.24'	N 54°24'21" E	57°50'02"
C14	30.00'	47.12'	42.43'	S 51°40'38" E	90°00'00"
C20	72.00'	95.67'	88.79'	N 64°09'13" E	76°08'04"
C20	72.00'	51.06'	50.00'	N 34°51'58" W	40°38'06"
C22	72.00'	51.06'	50.00'	N 05°46'08" E	40°38'06"
C23	59.22'	10.01'	10.00'	N 18°31'52" W	9°41'18"
C24	59.22'	10.01'	10.00'	N 10°30'59" W	9°41'18"
C25	72.00'	40.93'	40.38'	N 09°48'04" E	32°34'15"
C26	72.00'	41.05'	40.50'	N 38°50'55" W	32°40'11"
C28	225.00'	49.86'	49.76'	S 31°50'16" W	12°41'52"
C29	225.00'	10.05'	10.05'	S 39°28'01" W	2°33'36"
C30	225.00'	10.02'	10.02'	N 42°01'20" E	2°33'03"
C31	225.00'	103.39'	102.49'	N 56°27'44" E	26°19'44"

MAP 35 / LOT 2  
EXETER TOWN OF  
EXETER, NH 03833  
BK 2900 / PG 2942

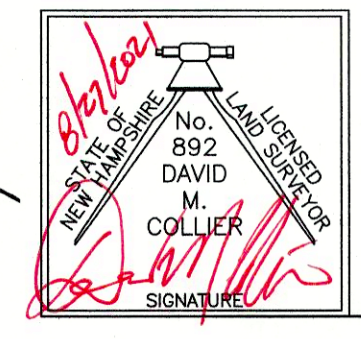
100'  
EXTERNAL  
BUFFER

MAP 40 / LOT 15  
CARLISLE W SCOTT III  
14 CASS ST  
EXETER, NH 03833  
BK / PG 0

**CERTIFICATION:**

I CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEEDS BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.



DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE:

TOWN OF EXETER PLANNING BOARD	PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26
DATE:	APPLICANT/OWNER WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833
CHAIRMAN	TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES

Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-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	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

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:	<b>SUBDIVISION PLAN</b> MAP 33, LOT 26
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.

**A5**

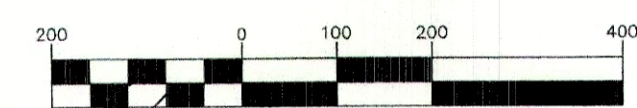
SHEET 9 OF 29  
JBE PROJECT NO. 19102



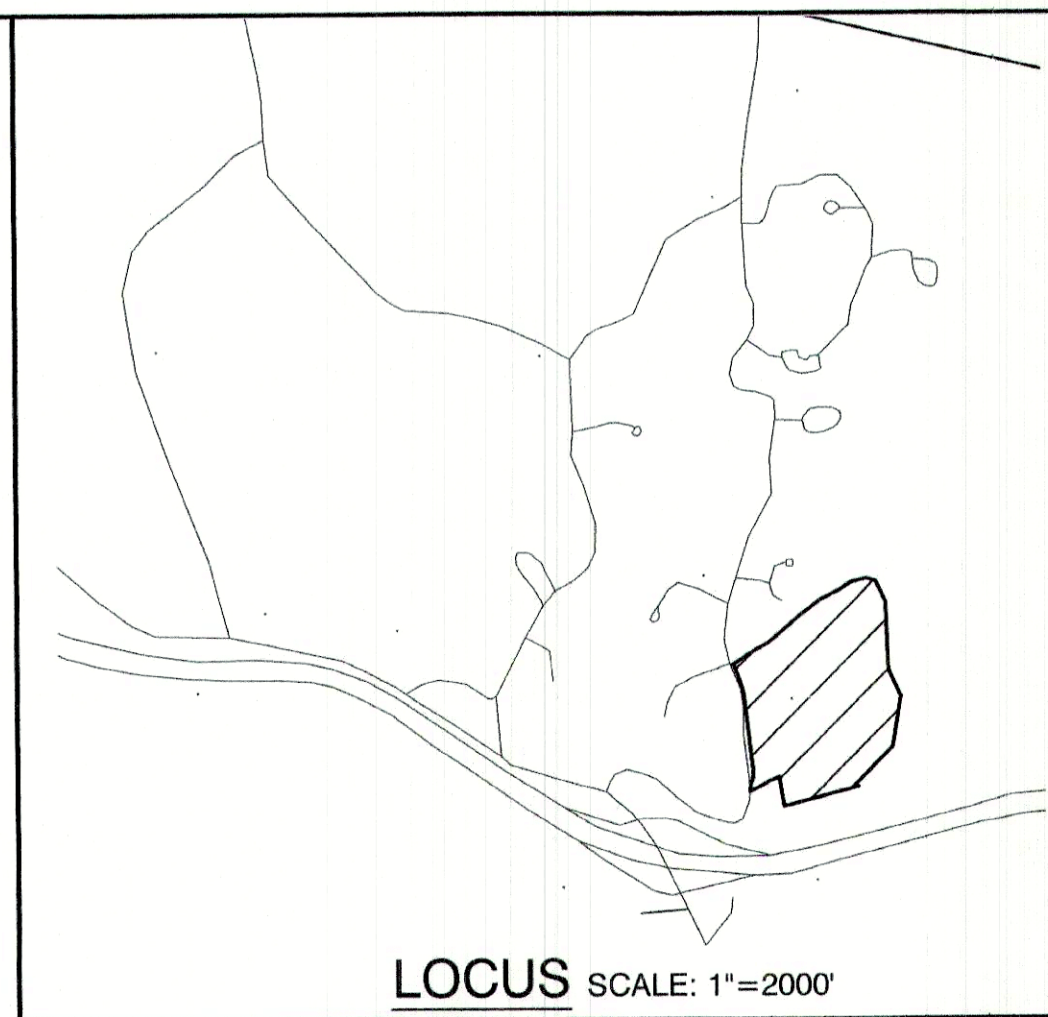
**PLAN REFERENCES:**

- "PLAT OF LAND EXETER, NH FOR SCOTT CARLISLE, III"; PREPARED BY DURGIN SCOFIELD ASSOCIATES; DATED FEBRUARY 23, 1989; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS PLAN D-19708.
- "PLAT OF LAND EXETER, NH FOR SCOTT CARLISLE, III"; PREPARED BY DURGIN SCOFIELD ASSOCIATES; DATED APRIL 26, 1988; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS PLAN D-17892.
- "PLAN OF LAND FOR COURMA LTD IN EXETER, NH"; PREPARED BY PARKER SURVEY ASSOCIATES; DATED DECEMBER 31, 1984; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS D-13187.
- "SUBDIVISION OF LAND FOR COURMA LTD IN EXETER, NH"; PREPARED BY PARKER SURVEY ASSOCIATES; DATED MARCH 22, 1984; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS D-12470.
- "PLANS OF PROPOSED FEDERAL AID RIGHT OF WAY PROJECT NHS-STP-F-T-018-2(79) ROW NH PROJECT NO. 11533 NHS-018-2(113)(CONSTRUCTION) NH PROJECT NO. 11533-F"; PREPARED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION AND HOLDEN ENGINEERING & SURVEYING, INC.; DATED SEPTEMBER 4, 1994.
- "SUBDIVISION PLAN EXETER HIGHLANDS EXETER, NH"; PREPARED BY HOLDEN ENGINEERING & SURVEYING, INC.; DATED NOVEMBER 15, 1989; RECORDED AT THE ROCKINGHAM COUNTY REGISTRY OF DEEDS AS PLAT D-19913.

GRAPHIC SCALE



( IN FEET )  
1 inch = 200 feet



**NOTES:**

- THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS DEPICTED HEREON TAX MAP 33 LOT 26.
- ZONING DISTRICT: OPEN SPACE  
LOT AREA MINIMUM = 15,000 S.F.  
LOT FRONTAGE MINIMUM = 50'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 20'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'
- ZONING DISTRICT: R-1  
LOT AREA MINIMUM = 2 ACRES  
LOT FRONTAGE MINIMUM = 150'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 25'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'
- THE UTILITY LOCATIONS SHOWN HEREON WERE DETERMINED BY OBSERVED ABOVE GROUND EVIDENCE AND SHOULD BE CONSIDERED APPROXIMATE IN LOCATION ONLY. LOCATION, DEPTH, SIZE, TYPE, EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES AND/OR UNDERGROUND STORAGE TANKS WAS NOT VERIFIED BY THIS SURVEY. ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL DIG-SAFE AT 1-888-DIG-SAFE AND TOWN OF EXETER DPW AT (603)-773-8157.
- THE SUBJECT PARCEL IS LOCATED WITHIN AN AREA HAVING A ZONE X SHADED DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 33015C0239E, WITH EFFECTIVE DATE OF MAY 17, 2005, FOR COMMUNITY PANEL NO. 239 OF 681, IN ROCKINGHAM COUNTY, STATE OF NEW HAMPSHIRE, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR COMMUNITY IN WHICH SAID PREMISES IS SITUATED. SUBJECT PARCEL IS ALSO ON MAP NO. 33015C0239E AND IS IN ZONE X UNSHADED.
- BASIS OF BEARING: HORIZONTAL - STATE PLANE COORDINATES . VERTICAL - NAVD 88 .
- CERTAIN DATA HEREON MAY VARY FROM RECORDED DATA DUE TO DIFFERENCES IN DECLINATION, ORIENTATION, AND METHODS OF MEASUREMENT.
- ALL BOOK AND PAGE NUMBERS REFER TO THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
- THE TAX MAP AND LOT NUMBERS ARE BASED ON THE TOWN OF EXETER TAX RECORDS AND ARE SUBJECT TO CHANGE.
- RESEARCH WAS PERFORMED AT THE TOWN OF EXETER ASSESSOR'S OFFICE AND THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
- THIS SURVEY IS NOT A CERTIFICATION TO OWNERSHIP OR TITLE OF LANDS SHOWN. OWNERSHIP AND ENCUMBRANCES ARE MATTERS OF TITLE EXAMINATION NOT OF A BOUNDARY SURVEY. THE INTENT OF THIS PLAN IS TO RETRACE THE BOUNDARY LINES OF DEEDS REFERENCED HEREON. OWNERSHIP OF ADJOINING PROPERTIES IS ACCORDING TO ASSESSOR'S RECORDS. THIS PLAN MAY OR MAY NOT INDICATE ALL ENCUMBRANCES EXPRESSED, IMPLIED OR PRESCRIPTIVE.
- ANY USE OF THIS PLAN AND OR ACCOMPANYING DESCRIPTIONS SHOULD BE DONE WITH LEGAL COUNSEL, TO BE CERTAIN THAT TITLES ARE CLEAR, THAT INFORMATION IS CURRENT, AND THAT ANY NECESSARY CERTIFICATES ARE IN PLACE FOR A PARTICULAR CONVEYANCE, OR OTHER USES.
- THE LIMITS OF JURISDICTIONAL WETLANDS WERE DELINEATED BY BRENDAN QUIGLEY OF GOVE ENVIRONMENTAL SERVICES, INC. IN JUNE, 2020 IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:  
A. THE CORPS OF ENGINEERS FEDERAL MANUAL FOR IDENTIFYING AND DELINEATING JURISDICTIONAL WETLANDS.  
B. THE NORTH CENTRAL & NORTHEAST REGIONAL SUPPLEMENT TO THE FEDERAL MANUAL.  
C. THE CURRENT VERSION OF THE FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, AS PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION AND/OR THE CURRENT VERSION OF THE FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, AS PUBLISHED BY THE USDA, NRCS, AS APPROPRIATE.  
D. THE CURRENT NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS, AS PUBLISHED BY THE US FISH AND WILDLIFE SERVICE.
- THIS PLAN IS THE RESULT OF A CLOSED TRAVERSE WITH A RAW, UNADJUSTED LINEAR ERROR OF CLOSURE GREATER THAN 1 IN 46,000.
- SURVEY TIE LINES SHOWN HEREON ARE NOT BOUNDARY LINES. THEY SHOULD ONLY BE USED TO LOCATE THE PARCEL SURVEYED FROM THE FOUND MONUMENTS SHOWN AND LOCATED BY THIS SURVEY.

**GENERAL LEGEND**

EXISTING	DESCRIPTION
—	PROPERTY LINES
—	SETBACK LINES
—	FRESHWATER WETLANDS LINE
—	VERNAL POOL
—	STREAM CHANNEL
—	TREE LINE
—	STONEWALL
—	BARBED WIRE FENCE
—	STOCKADE FENCE
—	FLOOD PLAIN LINE
—	ZONELINE
—	EASEMENT
—	MAJOR CONTOUR
—	MINOR CONTOUR
—	EDGE OF PAVEMENT
—	DRAINAGE LINE
—	OVERHEAD ELECTRIC
—	UNDERGROUND ELECTRIC
—	IRON PIPE/IRON ROD
—	DRILL HOLE
—	IRON ROD/DRILL HOLE
—	STONE/GRANITE BOUND
—	BENCHMARK (TBM)
—	DOUBLE POST SIGN
—	SINGLE POST SIGN
—	WELL
—	TEST PIT
—	MONITORING WELL
—	TREES AND BUSHES
—	UTILITY POLE
—	LIGHT POLES
—	DRAIN MANHOLE
—	SEWER MANHOLE
—	HYDRANT
—	WATER GATE
—	WATER SHUT OFF
—	SINGLE GRATE CATCH BASIN
—	CULVERT W/WINGWALLS
—	CULVERT W/FLARED END SECTION
—	CULVERT W/STRAIGHT HEADWALL
—	FRESHWATER WETLANDS

**SITE SPECIFIC SOILS TABLE:**

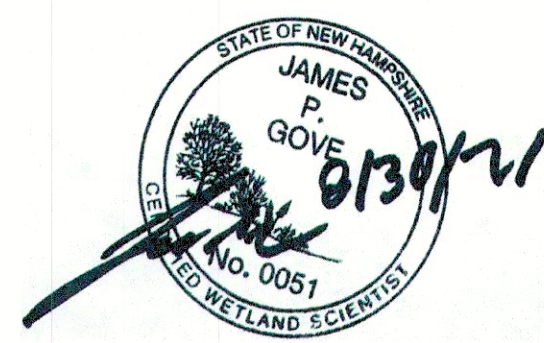
SSSM SYM.	SSS MAP NAME	HISS SYM.	HYDROLOGIC SOIL GRP.
125	SCARBORO, MUCK	621	D
1335	CHATFIELD VARIANT-NEWFIE LDS COMPLEX	328	B
257	CHATFIELD-CAN TON COMPLEX, EXTREMELY ROCKY	228	B
299	UDORTHTENS, SMOOTHED, CONSTRUCTION MATERIALS	763	C
313	DEERFIELD, LOAMY SAND	311	B
393	TIMAKWA, MUCK	681	D
515	LEICESTER, VERY STONY	521	C

SLOPE PHASE:

0-8%	B
8-15%	C
15-25%	D
25%+	E

**SITE SPECIFIC NOTES:**

- THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, INTENDED FOR INFILTRATION REQUIREMENTS BY THE NH DES ALTERATION OF TERRAIN BUREAU. IT WAS PRODUCED BY A PROFESSIONAL SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE. THERE IS A REPORT THAT ACCOMPANIES THIS MAP.
- THE SITE SPECIFIC SOIL SURVEY WAS PRODUCED 2 NOVEMBER, 2020, AND WAS PREPARED BY JAMES P. GOVE, CSS #004 GOVE ENVIRONMENTAL SERVICES, INC. THE SURVEY AREA IS LOCATED ON WATSON ROAD, EXETER, NH.
- SOILS WERE IDENTIFIED WITH THE NEW HAMPSHIRE STATE-WIDE NUMERICAL SOILS LEGEND, USDA NRCS, DURHAM, NH. ISSUE #10, JANUARY 2011. THE NUMERIC LEGEND WAS AMENDED TO IDENTIFY THE CORRECT SOIL COMPONENTS OF THE COMPLEX.
- HYDROLOGIC SOIL GROUP FROM KSAT VALUES FOR NEW HAMPSHIRE SOILS, SOCIETY OF SOILS SCIENTISTS OF NEW ENGLAND, SPECIAL PUBLICATION NO. 5, SEPTEMBER, 2008.

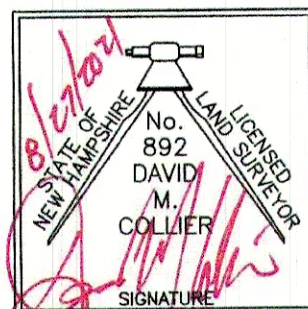


**CERTIFICATION:**

I CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEEDS BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.



DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE: 08/17/2021

Design:	BWG	Draft:	DFP	Date:	08/17/2021
Checked:	BWG	Scale:	AS-NOTED	Project No.:	19102
Drawing Name:	19102-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	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

Designed and Produced in NH

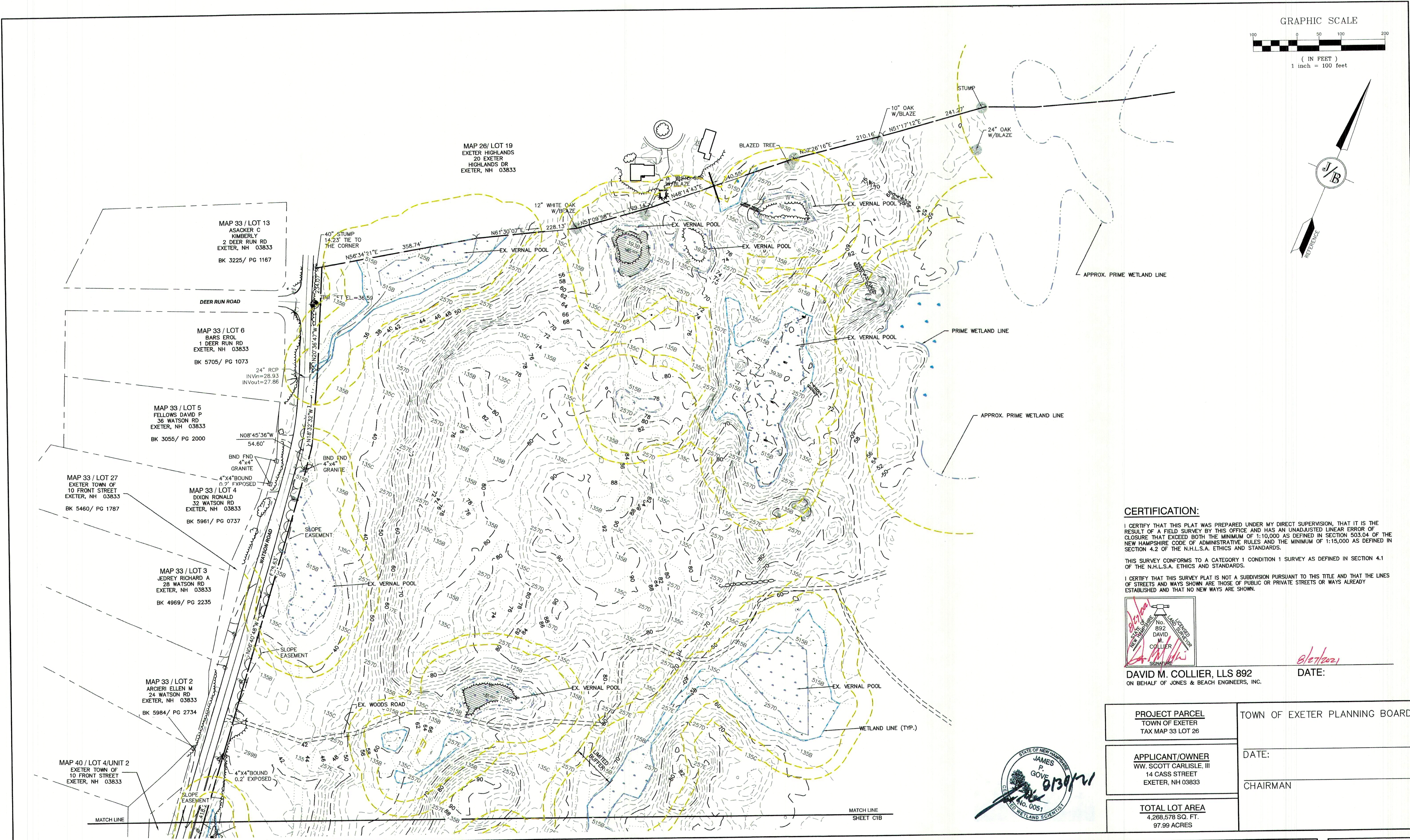
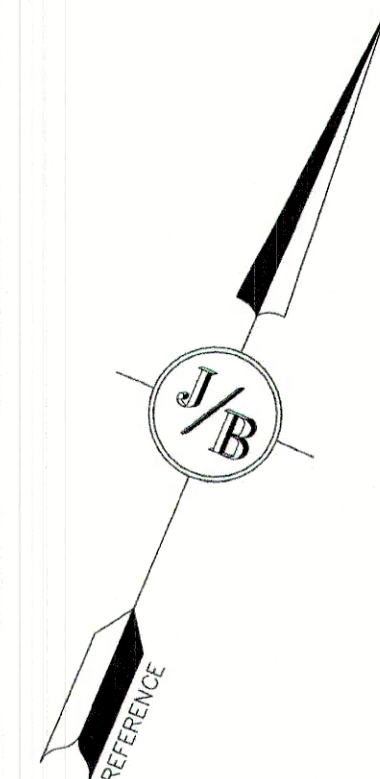
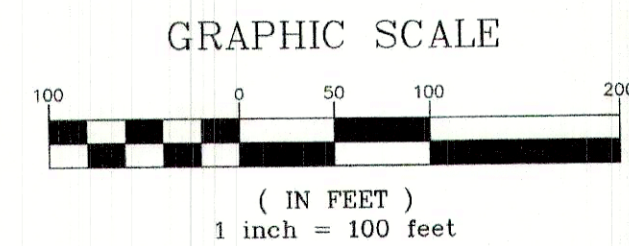
**J/B Jones & Beach Engineers, Inc.**

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:	<b>OVERALL EX-CONDITIONS</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.	<b>C1</b>
SHEET 10 OF 29	JBE PROJECT NO. 19102



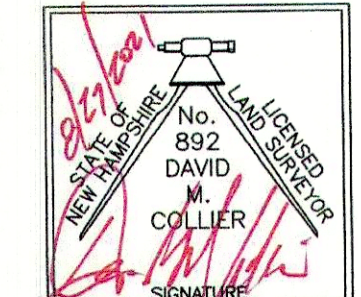


**CERTIFICATION:**

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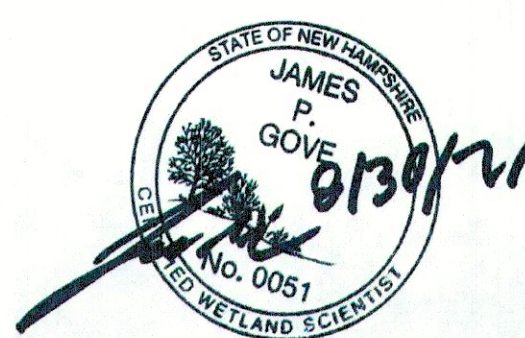
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DAVID M. COLLIER, LLS 892  
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

DATE: 8/17/2021

PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD
APPLICANT/OWNER W.W. SCOTT CARLISLE III 14 CASS STREET EXETER, NH 03833	DATE:  CHAIRMAN
TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES	



Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-PLAN.dwg		
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REV.	DATE	REVISION	BY
1	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

Designed and Produced in NH

**J/B Jones & Beach Engineers, Inc.**

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PO Box 219 Stratham, NH 03885 FAX: 603-772-0227  
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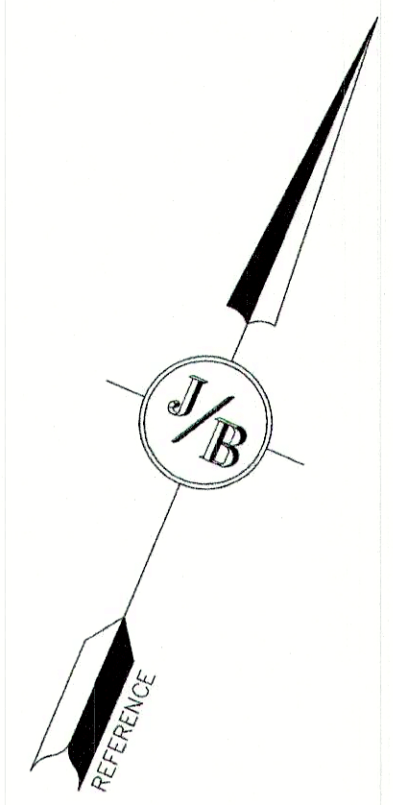
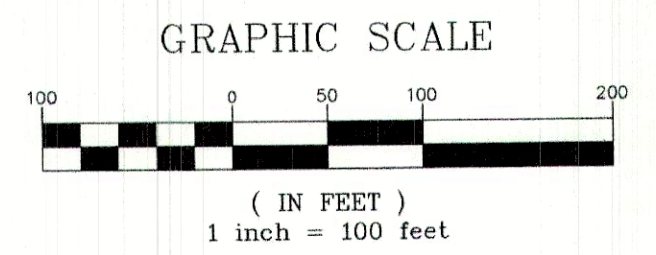
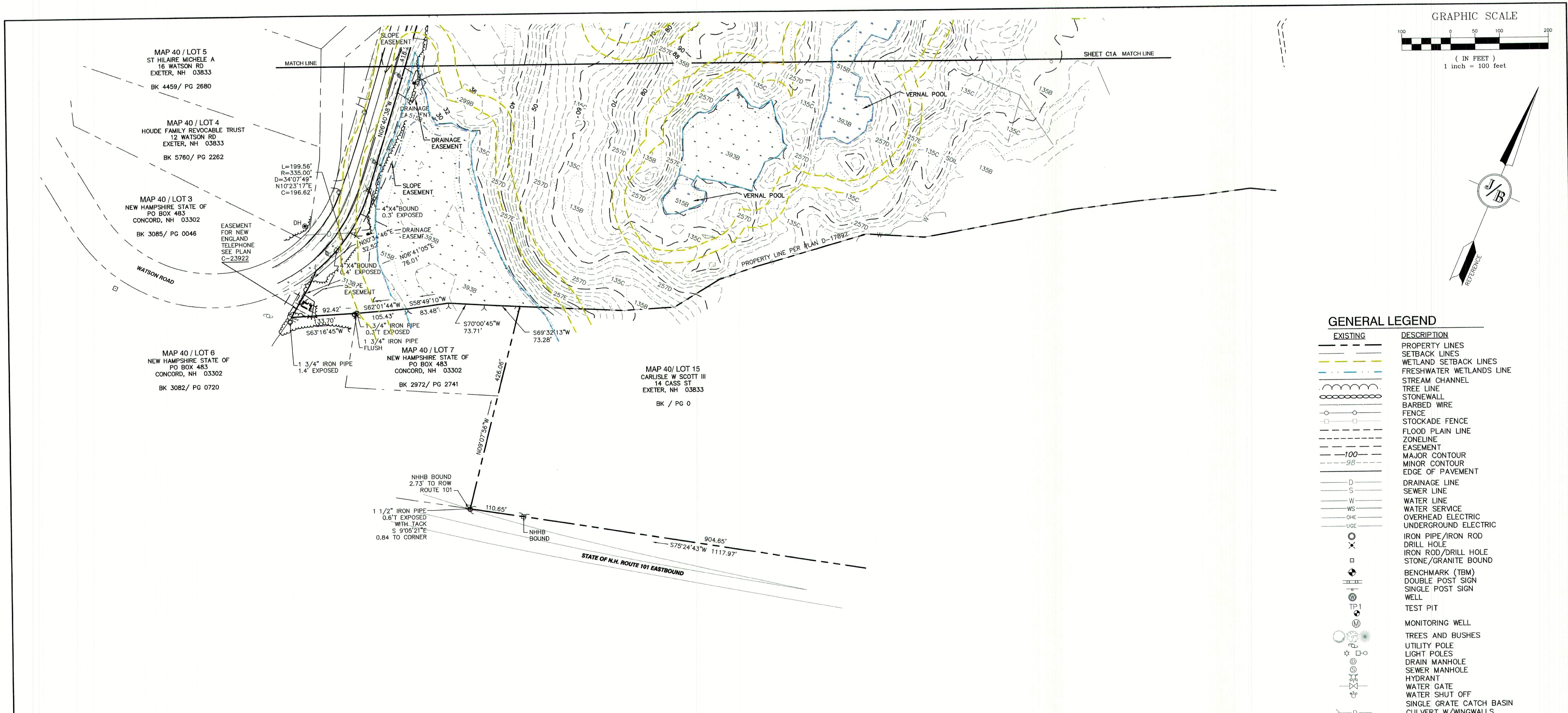
Plan Name:	<b>EXISTING CONDITIONS PLAN</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.

**C1A**

SHEET 11 OF 29  
JBE PROJECT NO. 19102





**GENERAL LEGEND**

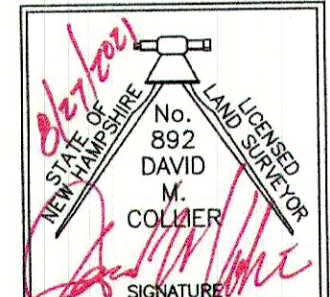
EXISTING	DESCRIPTION
---	PROPERTY LINES
---	SETBACK LINES
---	WETLAND SETBACK LINES
---	FRESHWATER WETLANDS LINE
---	STREAM CHANNEL
---	TREE LINE
---	STONEWALL
---	BARBED WIRE
---	FENCE
---	STOCKADE FENCE
---	FLOOD PLAIN LINE
---	ZONELINE
---	EASEMENT
---	MAJOR CONTOUR
---	MINOR CONTOUR
---	EDGE OF PAVEMENT
---	DRAINAGE LINE
---	SEWER LINE
---	WATER LINE
---	WATER SERVICE
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
○	IRON PIPE/IRON ROD
×	DRILL HOLE
□	IRON ROD/DRILL HOLE
□	STONE/GRANITE BOUND
+	BENCHMARK (TBM)
+	DOUBLE POST SIGN
+	SINGLE POST SIGN
+	WELL
+	TEST PIT
+	MONITORING WELL
+	TREES AND BUSHES
+	UTILITY POLE
+	LIGHT POLES
+	DRAIN MANHOLE
+	SEWER MANHOLE
+	HYDRANT
+	WATER GATE
+	WATER SHUT OFF
+	SINGLE GRATE CATCH BASIN
+	CULVERT W/WINGWALLS
+	CULVERT W/FLARED END SECTION
+	CULVERT W/STRAIGHT HEADWALL
+	FRESHWATER WETLANDS

**CERTIFICATION:**

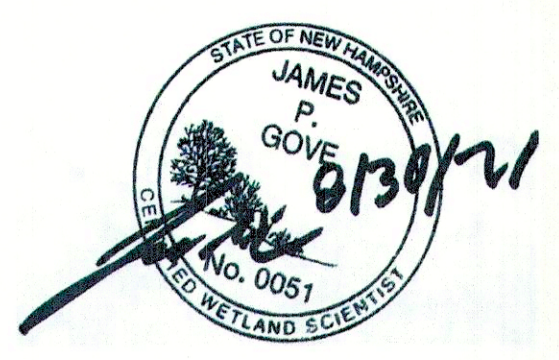
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THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.

  
 DAVID M. COLLIER, LLS 892      DATE: 08/17/2021  
 ON BEHALF OF JONES & BEACH ENGINEERS, INC.

<b>PROJECT PARCEL</b> TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD
<b>APPLICANT/OWNER</b> WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833	DATE: _____  CHAIRMAN
<b>TOTAL LOT AREA</b> 4,268,578 SQ. FT. 97.99 ACRES	



Design: BWG	Draft: DFP	Date: 08/17/2021
Checked: BWG	Scale: AS-NOTED	Project No.: 19102
Drawing Name: 19102-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	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

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

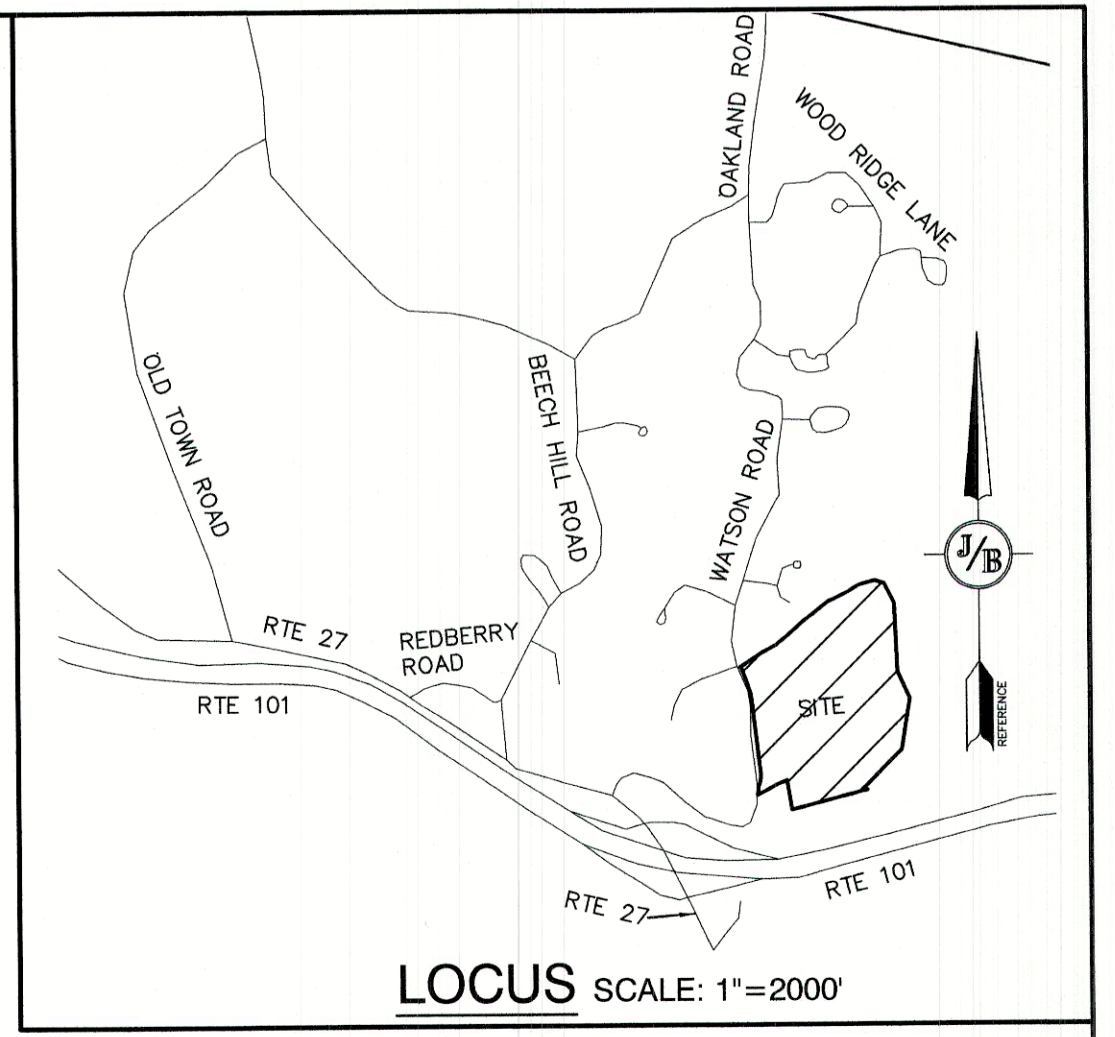
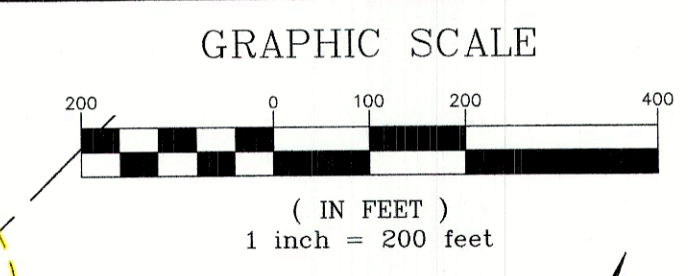
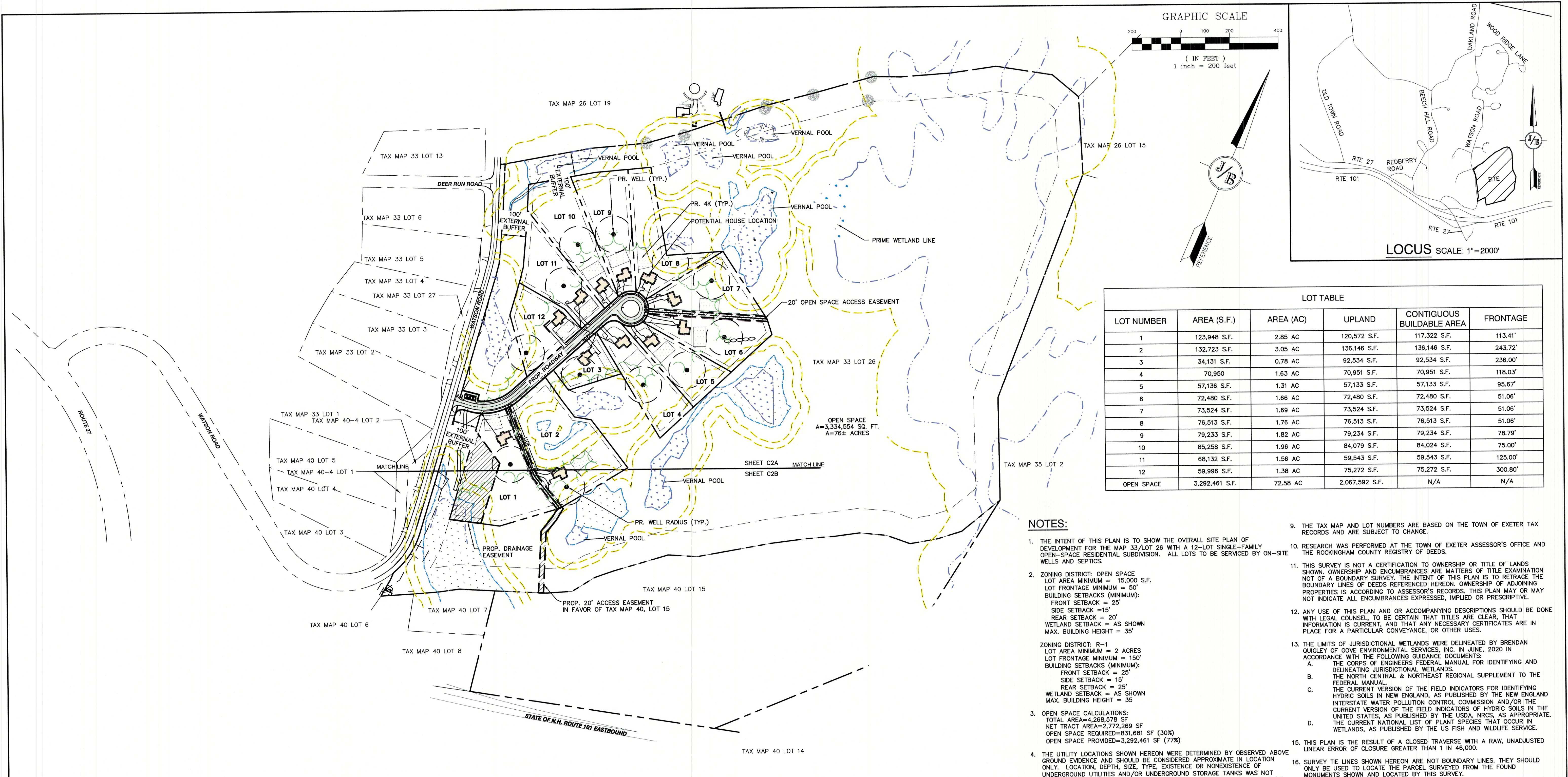
Plan Name:	<b>EXISTING CONDITIONS PLAN</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.

**C1B**

SHEET 12 OF 29  
JBE PROJECT NO. 19102





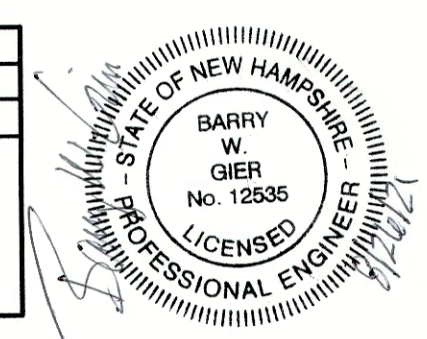
LOT TABLE					
LOT NUMBER	AREA (S.F.)	AREA (AC)	UPLAND	CONTIGUOUS BUILDABLE AREA	FRONTAGE
1	123,948 S.F.	2.85 AC	120,572 S.F.	117,322 S.F.	113.41'
2	132,723 S.F.	3.05 AC	136,146 S.F.	136,146 S.F.	243.72'
3	34,131 S.F.	0.78 AC	92,534 S.F.	92,534 S.F.	236.00'
4	70,950	1.63 AC	70,951 S.F.	70,951 S.F.	118.03'
5	57,136 S.F.	1.31 AC	57,133 S.F.	57,133 S.F.	95.67'
6	72,480 S.F.	1.66 AC	72,480 S.F.	72,480 S.F.	51.06'
7	73,524 S.F.	1.69 AC	73,524 S.F.	73,524 S.F.	51.06'
8	76,513 S.F.	1.76 AC	76,513 S.F.	76,513 S.F.	51.06'
9	79,233 S.F.	1.82 AC	79,234 S.F.	79,234 S.F.	78.79'
10	85,258 S.F.	1.96 AC	84,079 S.F.	84,024 S.F.	75.00'
11	68,132 S.F.	1.56 AC	59,543 S.F.	59,543 S.F.	125.00'
12	59,996 S.F.	1.38 AC	75,272 S.F.	75,272 S.F.	300.80'
OPEN SPACE	3,292,461 S.F.	72.58 AC	2,067,592 S.F.	N/A	N/A

- NOTES:**
- THE INTENT OF THIS PLAN IS TO SHOW THE OVERALL SITE PLAN OF DEVELOPMENT FOR THE MAP 33/LOT 26 WITH A 12-LOT SINGLE-FAMILY OPEN-SPACE RESIDENTIAL SUBDIVISION. ALL LOTS TO BE SERVICED BY ON-SITE WELLS AND SEPTICS.
  - ZONING DISTRICT: OPEN SPACE  
LOT AREA MINIMUM = 15,000 S.F.  
LOT FRONTAGE MINIMUM = 50'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 20'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'
  - ZONING DISTRICT: R-1  
LOT AREA MINIMUM = 2 ACRES  
LOT FRONTAGE MINIMUM = 150'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 25'  
SIDE SETBACK = 15'  
REAR SETBACK = 25'  
WETLAND SETBACK = AS SHOWN  
MAX. BUILDING HEIGHT = 35'
  - OPEN SPACE CALCULATIONS:  
TOTAL AREA=4,268,578 SF  
NET TRACT AREA=2,772,269 SF  
OPEN SPACE REQUIRED=831,681 SF (30%)  
OPEN SPACE PROVIDED=3,292,461 SF (77%)
  - THE UTILITY LOCATIONS SHOWN HEREON WERE DETERMINED BY OBSERVED ABOVE GROUND EVIDENCE AND SHOULD BE CONSIDERED APPROXIMATE IN LOCATION ONLY. LOCATION, DEPTH, SIZE, TYPE, EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES AND/OR UNDERGROUND STORAGE TANKS WAS NOT VERIFIED BY THIS SURVEY. ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL DIG-SAFE AT 1-888-DIG-SAFE AND TOWN OF EXETER DPW AT (603)-773-6157.
  - THE SUBJECT PARCEL IS LOCATED WITHIN AN AREA HAVING A ZONE X SHADED DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 33015C0239E, WITH EFFECTIVE DATE OF MAY 17, 2005, FOR COMMUNITY PANEL NO. 239 OF 681, IN ROCKINGHAM COUNTY, STATE OF NEW HAMPSHIRE, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR COMMUNITY IN WHICH SAID PREMISES IS SITUATED. SUBJECT PARCEL IS ALSO ON MAP NO. 33015C0238E AND IS IN ZONE X UNSHADED.
  - BASIS OF BEARING: HORIZONTAL - STATE PLANE COORDINATES . VERTICAL - NAVD 88 .
  - CERTAIN DATA HEREON MAY VARY FROM RECORDED DATA DUE TO DIFFERENCES IN DECLINATION, ORIENTATION, AND METHODS OF MEASUREMENT.
  - ALL BOOK AND PAGE NUMBERS REFER TO THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
  - THE TAX MAP AND LOT NUMBERS ARE BASED ON THE TOWN OF EXETER TAX RECORDS AND ARE SUBJECT TO CHANGE.
  - RESEARCH WAS PERFORMED AT THE TOWN OF EXETER ASSESSOR'S OFFICE AND THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
  - THIS SURVEY IS NOT A CERTIFICATION TO OWNERSHIP OR TITLE OF LANDS SHOWN. OWNERSHIP AND ENCUMBRANCES ARE MATTERS OF TITLE EXAMINATION NOT OF A BOUNDARY SURVEY. THE INTENT OF THIS PLAN IS TO RETRACE THE BOUNDARY LINES OF DEEDS REFERENCED HEREON. OWNERSHIP OF ADJOINING PROPERTIES IS ACCORDING TO ASSESSOR'S RECORDS. THIS PLAN MAY OR MAY NOT INDICATE ALL ENCUMBRANCES EXPRESSED, IMPLIED OR PRESCRIPTIVE.
  - ANY USE OF THIS PLAN AND OR ACCOMPANYING DESCRIPTIONS SHOULD BE DONE WITH LEGAL COUNSEL, TO BE CERTAIN THAT TITLES ARE CLEAR, THAT INFORMATION IS CURRENT, AND THAT ANY NECESSARY CERTIFICATES ARE IN PLACE FOR A PARTICULAR CONVEYANCE, OR OTHER USES.
  - THE LIMITS OF JURISDICTIONAL WETLANDS WERE DELINEATED BY BRENDAN QUIGLEY OF GOVE ENVIRONMENTAL SERVICES, INC. IN JUNE, 2020 IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:  
A. THE CORPS OF ENGINEERS FEDERAL MANUAL FOR IDENTIFYING AND DELINEATING JURISDICTIONAL WETLANDS.  
B. THE NORTH CENTRAL & NORTHEAST REGIONAL SUPPLEMENT TO THE FEDERAL MANUAL.  
C. THE CURRENT VERSION OF THE FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, AS PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION AND/OR THE CURRENT VERSION OF THE FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, AS PUBLISHED BY THE USDA, NRCS, AS APPROPRIATE.  
D. THE CURRENT NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS, AS PUBLISHED BY THE US FISH AND WILDLIFE SERVICE.
  - THIS PLAN IS THE RESULT OF A CLOSED TRAVERSE WITH A RAW, UNADJUSTED LINEAR ERROR OF CLOSURE GREATER THAN 1 IN 46,000.
  - SURVEY TIE LINES SHOWN HEREON ARE NOT BOUNDARY LINES. THEY SHOULD ONLY BE USED TO LOCATE THE PARCEL SURVEYED FROM THE FOUND MONUMENTS SHOWN AND LOCATED BY THIS SURVEY.
  - THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL WETLAND REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
  - ALL WATER, SEWER, ROAD, (INCLUDING PARKING LOT), AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 9.3 STORMWATER MANAGEMENT STANDARDS, STORMWATER MANAGEMENT PLAN, STORMWATER POLLUTION PREVENTION PLAN, AND EROSION AND SEDIMENT CONTROL STANDARDS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC UTILITIES IN EXETER, NEW HAMPSHIRE.
  - THE CONTRACTOR MUST OBTAIN A VALID UTILITY PIPE INSTALLER'S LICENSE AND THE JOB SUPERVISOR OR FOREMAN MUST BE CERTIFIED BY THE TOWN BEFORE WORKING ON ANY WATER, SEWER, OR DRAINAGE PIPES THAT ARE IN A TOWN STREET OR RIGHT OF WAY, OR THAT WILL CONNECT OR MAY BE CONNECTED TO A TOWN WATER, SEWER, OR DRAINAGE SYSTEM. A LICENSED SUPERVISOR OR FOREMAN MUST BE PRESENT AT THE JOB SITE AT ALL TIMES DURING CONSTRUCTION OF THESE UTILITIES.

<b>PROJECT PARCEL</b> TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD
<b>APPLICANT/OWNER</b> WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833	DATE:  CHAIRMAN
<b>TOTAL LOT AREA</b> 4,268,578 SQ. FT. 97.99 ACRES	

Design: BWG Draft: DFP Date: 08/26/2021  
Checked: BWG Scale: AS-NOTED Project No.: 19102  
Drawing Name: 19102-PLAN.dwg

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Designed and Produced in NH

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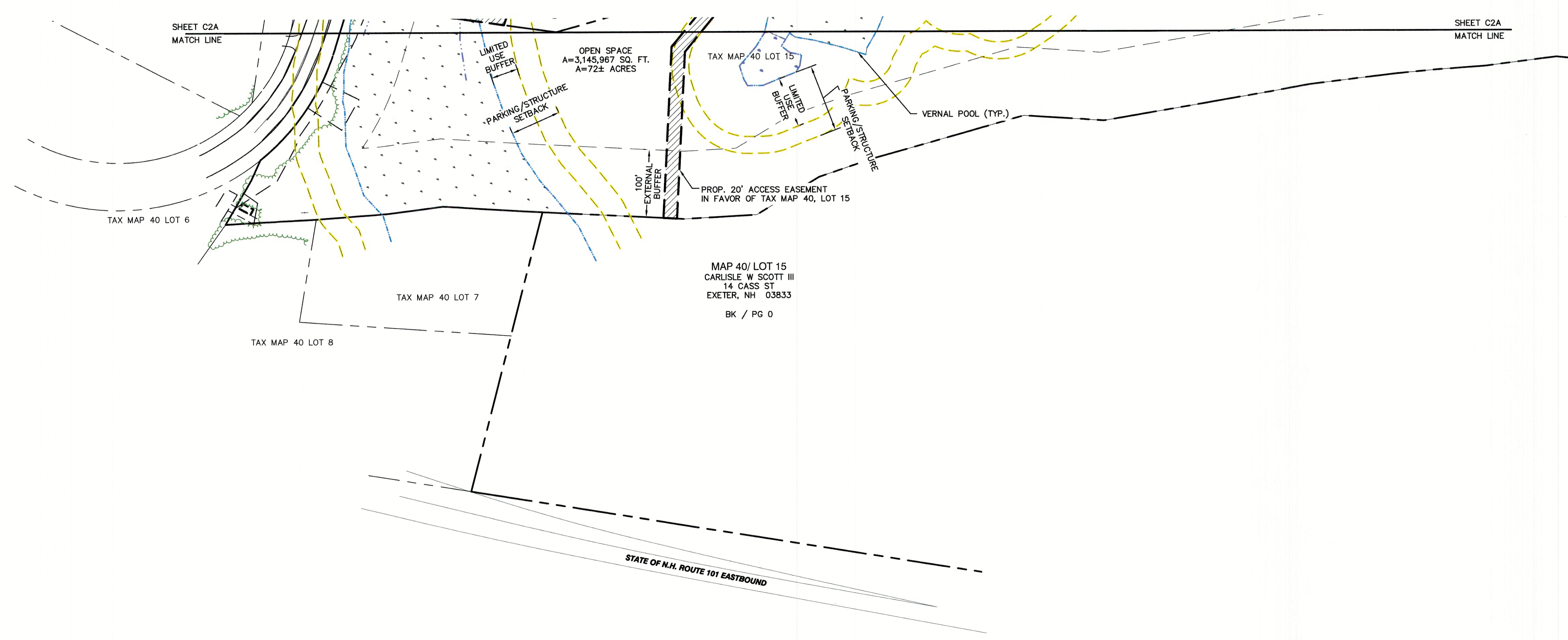
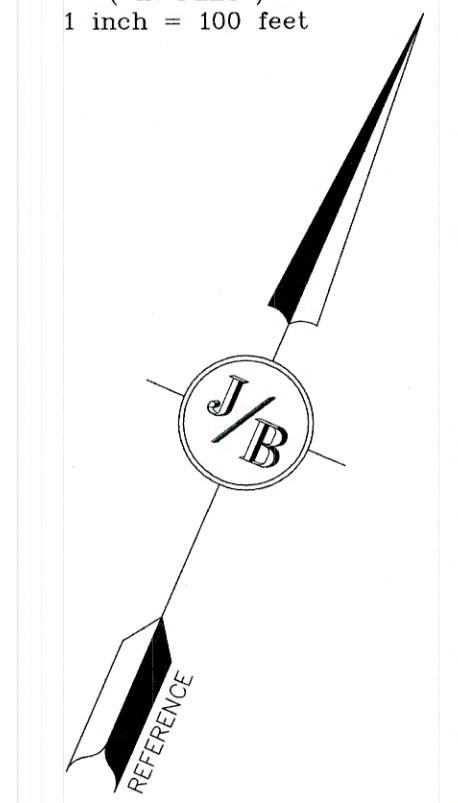
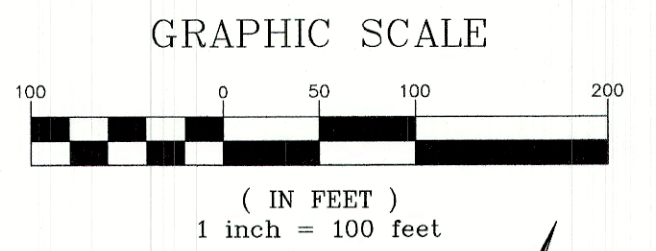
Plan Name: **OVERALL SITE PLAN**  
Project: **TAX MAP 33 LOT 26  
19 WATSON ROAD, EXETER, NH**  
Owner of Record: **SCOTT W. CARLISLE III  
14 CASS STREET, EXETER, NH 03833**

DRAWING No.  
**C2**  
SHEET 13 OF 29  
JBE PROJECT NO. 19102



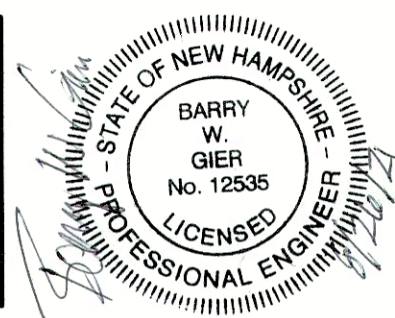






PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD
APPLICANT/OWNER WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833	DATE: _____ CHAIRMAN
TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES	

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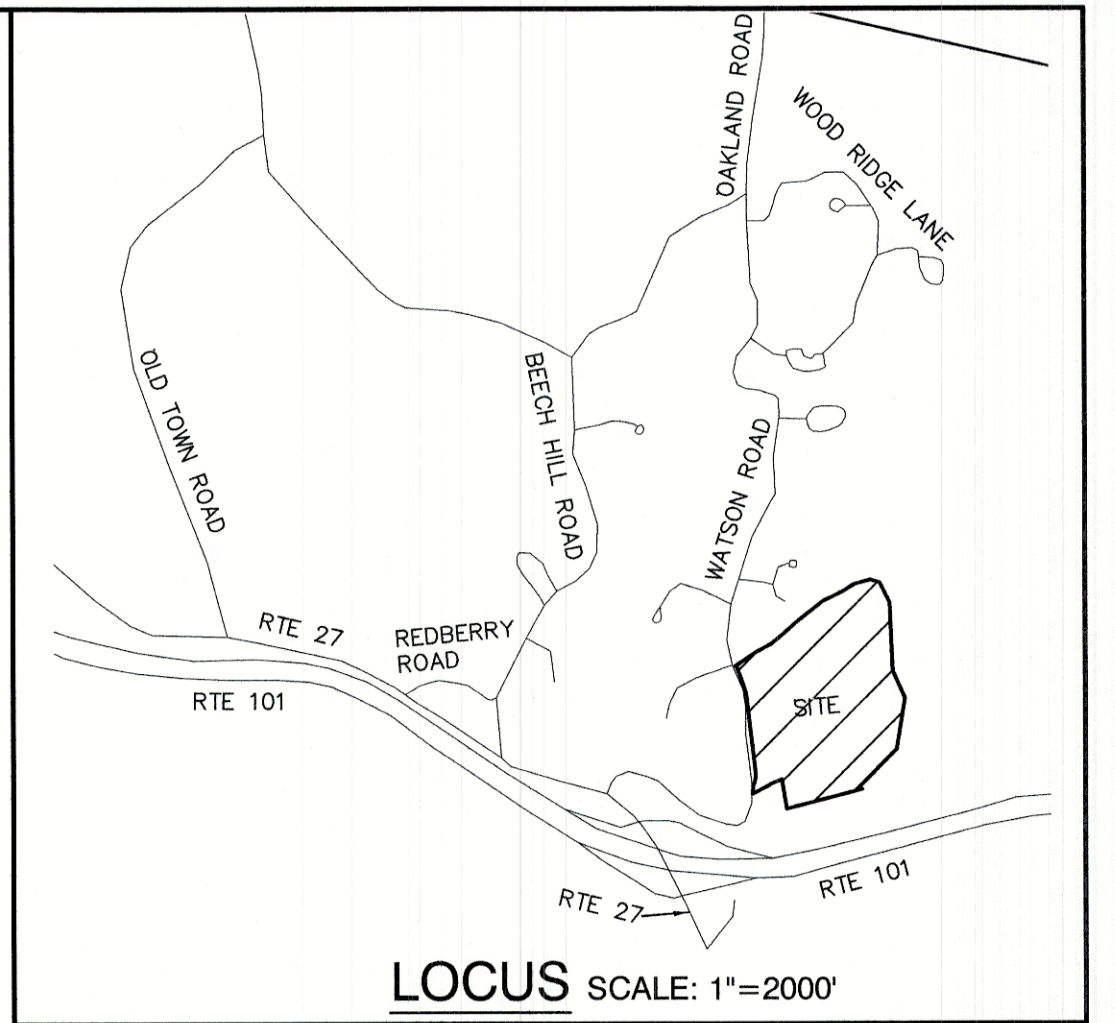
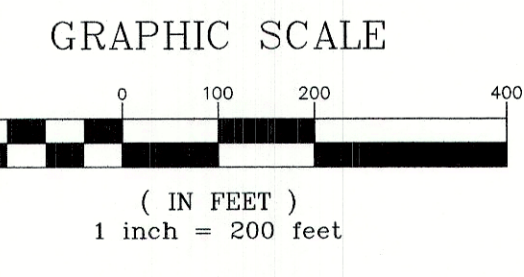
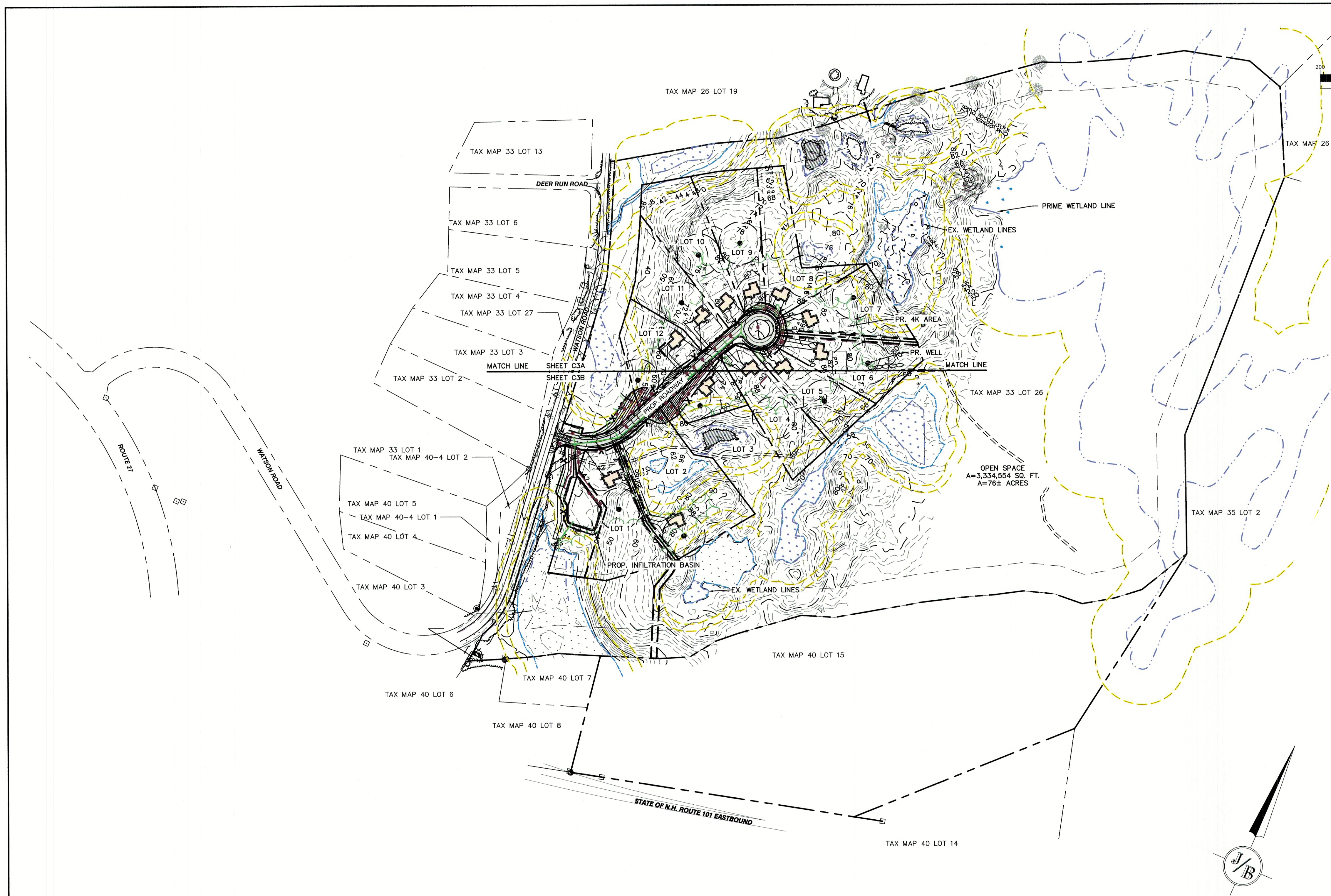
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 Civil Engineering Services  
 85 Portsmouth Ave. PO Box 219 Stratham, NH 03885  
 603-772-4746  
 FAX: 603-772-0227  
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	<b>SITE PLAN</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.  
**C2B**  
 SHEET 15 OF 29  
 JBE PROJECT NO. 19102

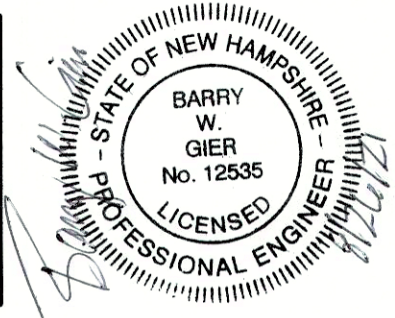




- GRADING AND DRAINAGE NOTES:**
- UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM FIELD OBSERVATION AND THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. NEITHER JONES & BEACH ENGINEERS, INC., NOR ANY OF THEIR EMPLOYEES TAKE RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES AND/OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND STRUCTURES AND/OR UTILITIES LOCATED PRIOR TO EXCAVATION WORK BY CALLING DIGSAFE AT 888-DIG-SAFE (888-344-7233) AND TOWN OF EXETER DPW AT 603-773-6157 TO LOCATE WATER, SEWER, AND DRAINAGE.
  - THE CONTRACTOR MUST OBTAIN A VALID UTILITY PIPE INSTALLER'S LICENSE AND THE JOB SUPERVISOR OR FOREMAN MUST BE CERTIFIED BY THE TOWN BEFORE WORKING ON ANY WATER, SEWER, OR DRAINAGE PIPES THAT ARE IN A TOWN STREET OR RIGHT OF WAY, OR THAT WILL CONNECT OR MAY BE CONNECTED TO A TOWN WATER, SEWER, OR DRAINAGE SYSTEM. A LICENSED SUPERVISOR OR FOREMAN MUST BE PRESENT AT THE JOB SITE AT ALL TIMES DURING CONSTRUCTION OF THESE UTILITIES.
  - VERTICAL DATUM: NAVD 88. HORIZONTAL DATUM: STATE PLANE COORDINATES.
  - ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
  - SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. SEE CONSTRUCTION SEQUENCE ON SHEET E1.
  - PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO HAVE THE PROJECT'S LAND SURVEYOR STAKE OR FLAG CLEARING LIMITS. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED.
  - ALL SWALES AND DETENTION PONDS ARE TO BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
  - PROPOSED RIM ELEVATIONS OF DRAINAGE STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH WITH FINISH GRADES.
  - ALL SWALES AND ANY SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75 EROSION CONTROL BLANKETS (OR AN EQUIVALENT APPROVED IN WRITING BY THE ENGINEER), UNLESS OTHERWISE SPECIFIED.
  - ALL DRAINAGE STRUCTURE INTERIOR DIAMETERS (4' MIN) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS. CATCH BASINS SHALL HAVE 3' DEEP SUMPS WITH GREASE HOODS, UNLESS OTHERWISE NOTED.
  - ALL DRAINAGE STRUCTURES SHALL BE PRECAST, UNLESS OTHERWISE SPECIFIED. SEE SHEET D2 FOR DRAINAGE DETAILS.
  - ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC H2O LOADING AND SHALL BE INSTALLED ACCORDINGLY.
  - ALL DRAINAGE PIPE SHALL BE NON-PERFORATED ADS N-12 OR APPROVED EQUAL UNLESS OTHERWISE SPECIFIED.
  - STONE INLET PROTECTION SHALL BE PLACED AT ALL CATCH BASINS. SEE DETAIL WITHIN THE DETAIL SHEETS.
  - LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY ALL GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE EPA SWPPP DURING CONSTRUCTION OPERATIONS.
  - NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
  - ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 3 DAYS OF FINAL GRADING.
  - SHOULD CONSTRUCTION STOP FOR LONGER THAN 3 DAYS, THE SITE SHALL BE SEEDED AS SPECIFIED.
  - MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN EVENT OF 0.25" OR GREATER IN A 24 HOUR PERIOD AND AT LEAST ONCE A WEEK.
  - THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE, AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
  - CONSTRUCTION VEHICLES SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE TO THE EXTENT POSSIBLE THROUGHOUT CONSTRUCTION.
  - IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
  - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
  - SEDIMENT SHALL BE REMOVED FROM ALL SEDIMENT BASINS BEFORE THEY ARE 25% FULL.
  - ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH PROJECT SPECIFICATIONS.
  - ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED, IF DEEMED NECESSARY BY ON-SITE INSPECTION BY ENGINEER AND/OR REGULATORY OFFICIALS.
  - SEE ALSO EROSION AND SEDIMENT CONTROL SPECIFICATIONS ON SHEET E1.
  - WETLAND BUFFER IMPACTS TO BE SEEDED WITH "NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX" AS PRODUCED BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.
  - WETLAND IMPACTS:  
 WETLAND IMPACTS = 0 SQ.FT.  
 WETLAND PARKING/STRUCTURE BUFFER:  
 TEMPORARY IMPACT #1 = 248 SQ.FT.  
 TEMPORARY IMPACT #2 = 3,358 SQ.FT.  
 PERMANENT IMPACT #3 = 542 SQ.FT.  
 TOTAL = 4,148 SQ.FT.  
 WETLAND LIMITED USE BUFFER:  
 TEMPORARY IMPACT #1 = 178 SQ.FT.  
 PERMANENT IMPACT #2 = 673 SQ.FT.  
 TOTAL = 851 SQ.FT.

PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD
APPLICANT/OWNER WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833	DATE:
TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES	CHAIRMAN

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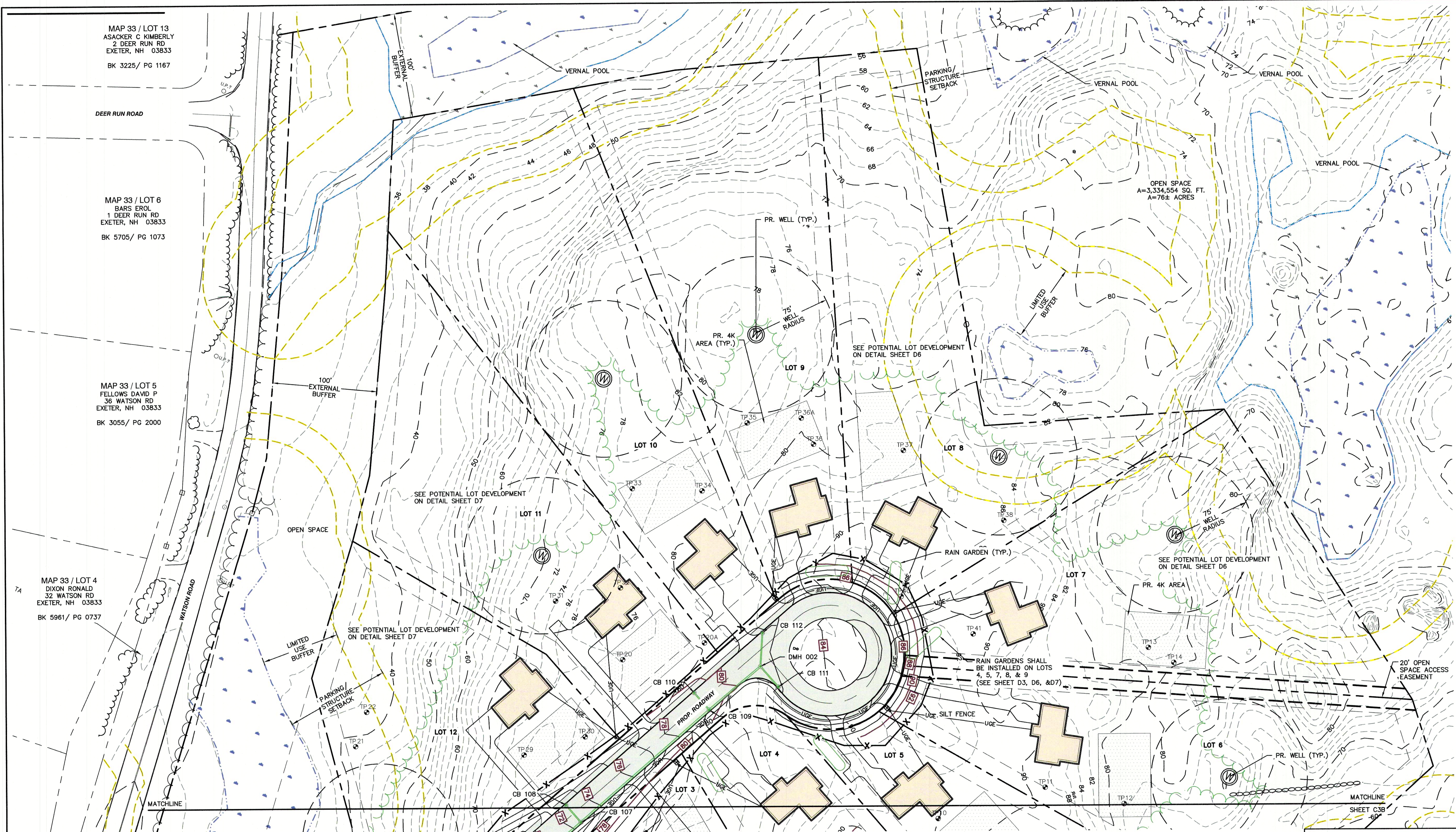
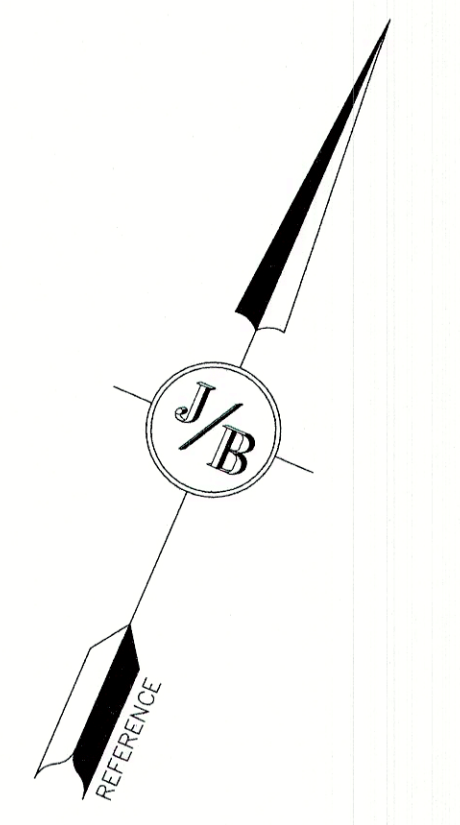
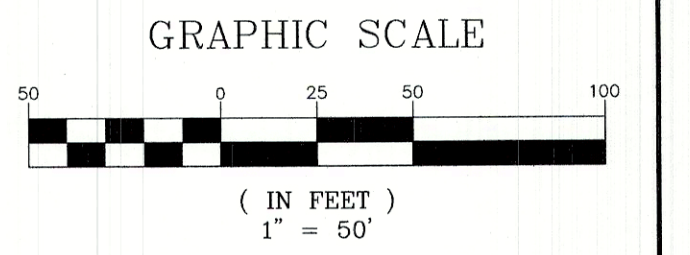
**J/B Jones & Beach Engineers, Inc.**  
 Civil Engineering Services

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Plan Name:	<b>OVERALL GRADING PLAN</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.  
**C3**  
 SHEET 16 OF 29  
 JBE PROJECT NO. 19102





MAP 33 / LOT 13  
ASACKER C KIMBERLY  
2 DEER RUN RD  
EXETER, NH 03833  
BK 3225/ PG 1167

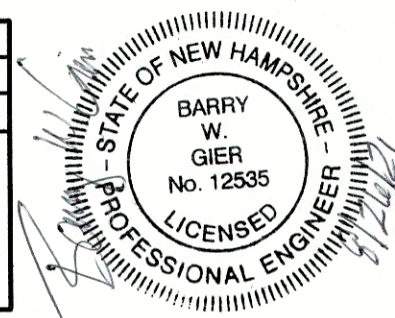
MAP 33 / LOT 6  
BARS EROL  
1 DEER RUN RD  
EXETER, NH 03833  
BK 5705/ PG 1073

MAP 33 / LOT 5  
FELLOWS DAVID P  
36 WATSON RD  
EXETER, NH 03833  
BK 3055/ PG 2000

MAP 33 / LOT 4  
DIXON RONALD  
32 WATSON RD  
EXETER, NH 03833  
BK 5961/ PG 0737

PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD  DATE:  CHAIRMAN
APPLICANT/OWNER WW. SCOTT CARLISLE III 14 CASS STREET EXETER, NH 03833	
TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES	

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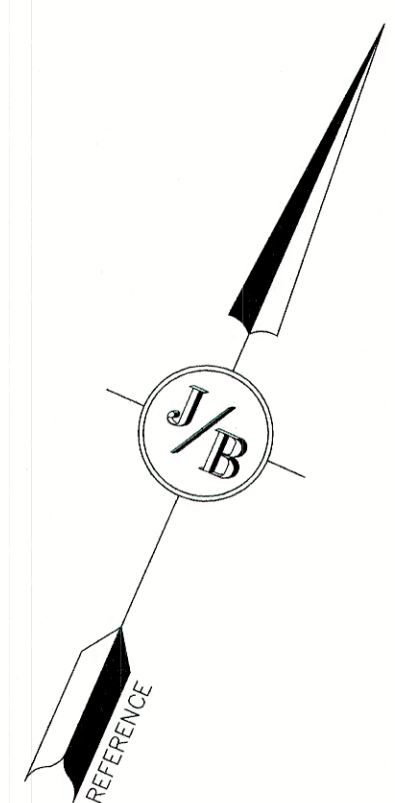
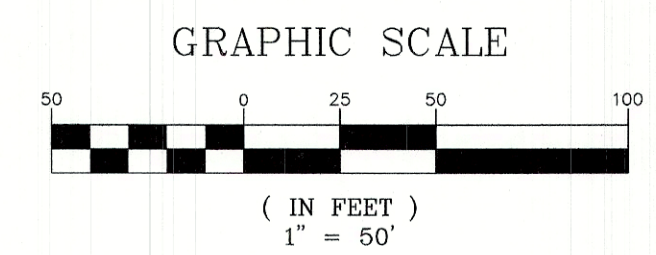
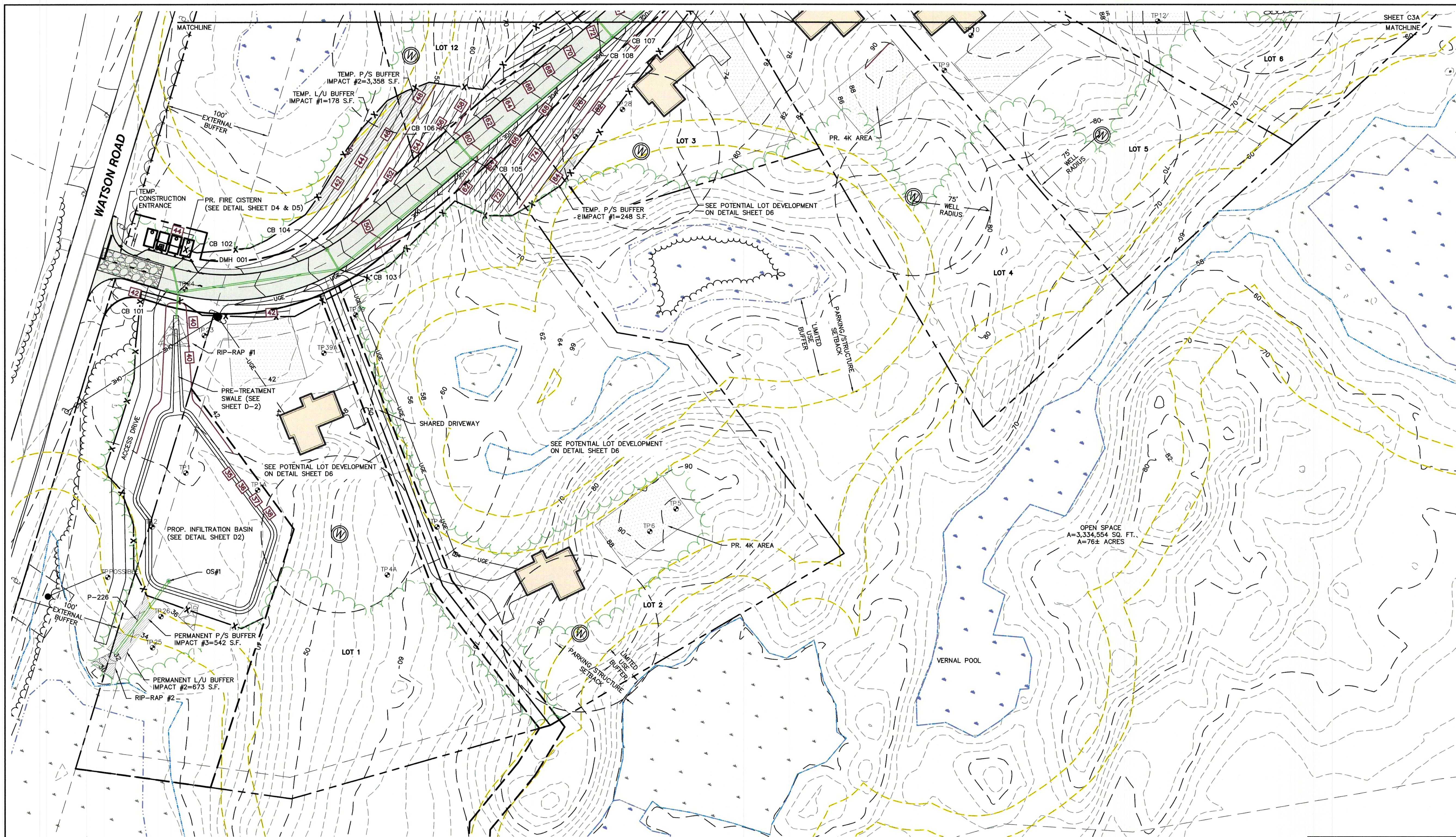
**J/B Jones & Beach Engineers, Inc.**  
Civil Engineering Services

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

Plan Name:	<b>GRADING PLAN</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

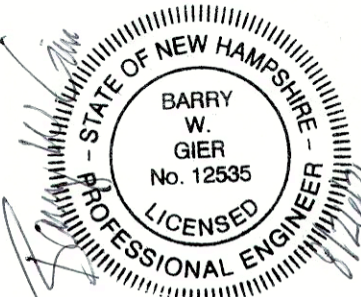
DRAWING No.  
**C3A**  
SHEET 17 OF 29  
JBE PROJECT NO. 19102





PROJECT PARCEL TOWN OF EXETER TAX MAP 33 LOT 26	TOWN OF EXETER PLANNING BOARD
APPLICANT/OWNER WW. SCOTT CARLISLE, III 14 CASS STREET EXETER, NH 03833	DATE:  CHAIRMAN
TOTAL LOT AREA 4,268,578 SQ. FT. 97.99 ACRES	

Design: BWG Draft: DFP Date: 08/26/2021  
 Checked: BWG Scale: AS-NOTED Project No.: 19102  
 Drawing Name: 19102-PLAN.dwg  
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**J/B Jones & Beach Engineers, Inc.**  
 Civil Engineering Services  
 85 Portsmouth Ave. PO Box 219 Stratham, NH 03885  
 603-772-4746 FAX: 603-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	<b>GRADING PLAN</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.  
**C3B**  
 SHEET 18 OF 29  
 JBE PROJECT NO. 19102

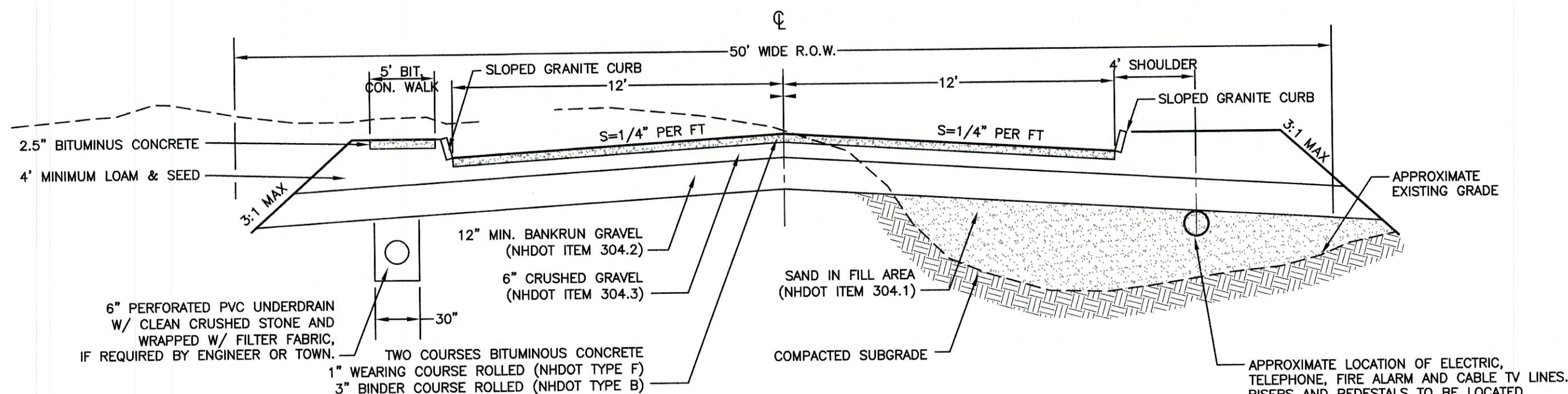








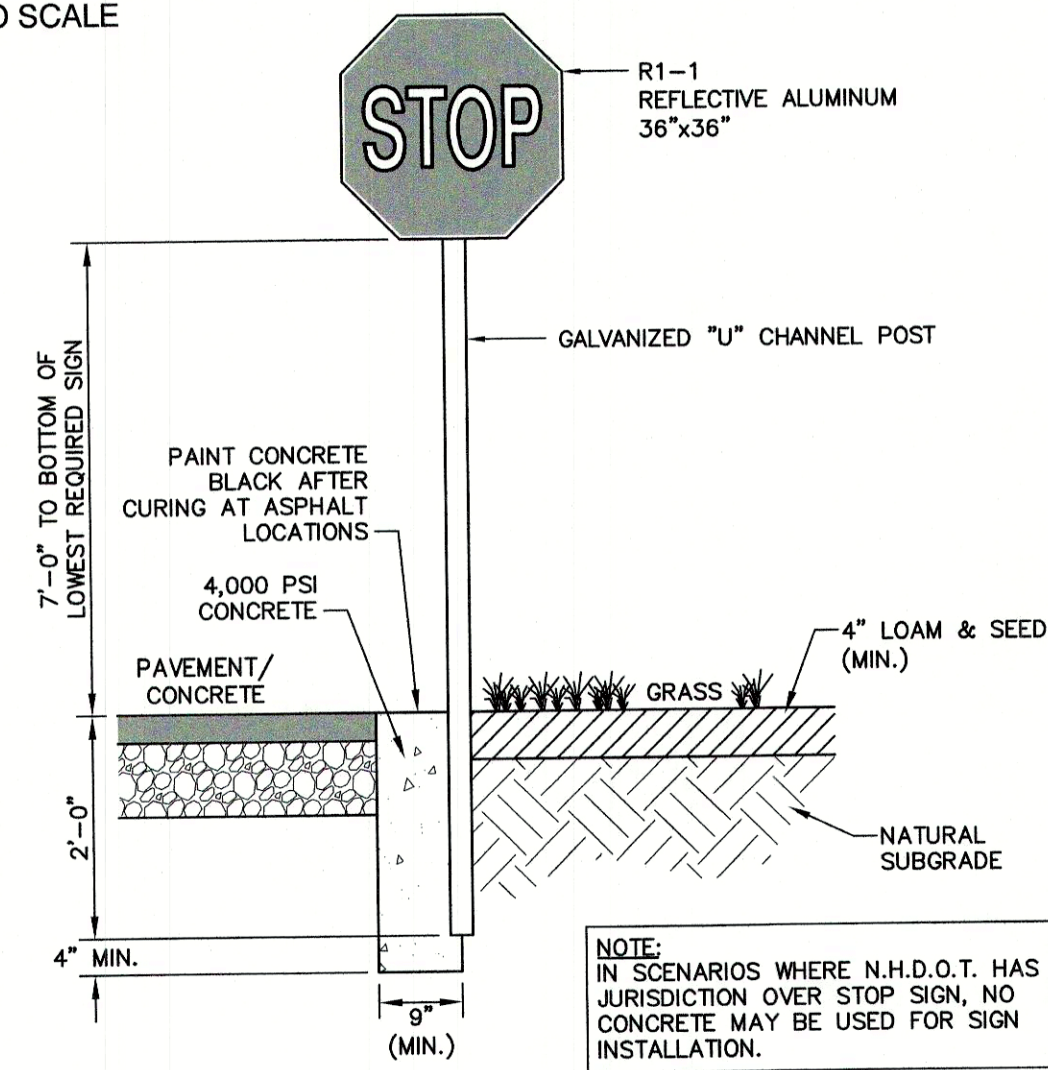




- NOTES:
1. REMOVE ALL ORGANICS, TOPSOIL AND MATERIAL YIELDING TO A 10 TON ROLLER. SUBBASE AREAS THAT CONTAIN UNSUITABLE MATERIALS MUST BE EXCAVATED TO A DEPTH NO LESS THAN 36\"/>
  - 2. ALL MATERIALS TO BE AS SPECIFIED PER TOWN STANDARDS AND NHDOT, WHICHEVER IS MOST STRINGENT. GRADATION AND COMPACTION TEST RESULTS (95% MIN.) SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
  - 3. TOWN MAY REQUIRE UNDERDRAIN, ADDITIONAL GRAVEL AND/OR ADDITIONAL DRAINAGE IF SOIL CONDITIONS WARRANT.
  - 4. WOVEN GEOTEXTILE FABRIC SHALL BE PLACED ABOVE SUBGRADE AT ALL WETLAND CROSSINGS.

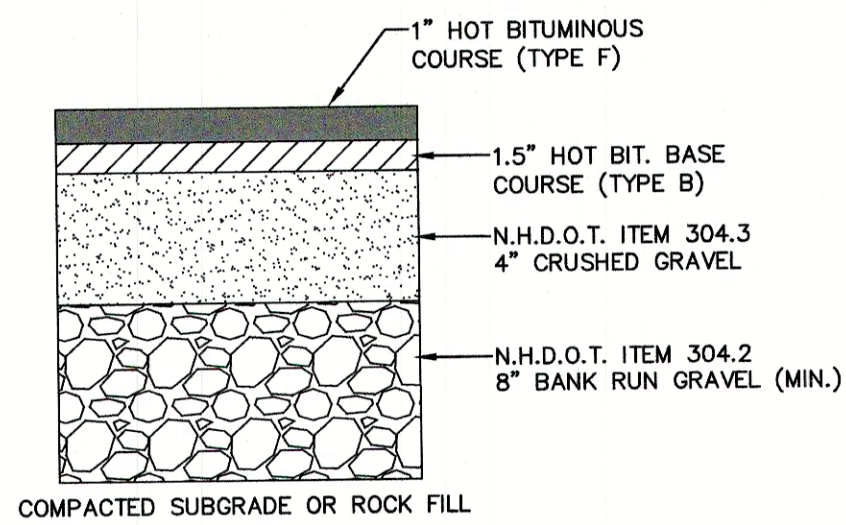
TYPICAL ROADWAY SECTION W/SIDEWALK

NOT TO SCALE



STOP SIGN (R1-1)

NOT TO SCALE

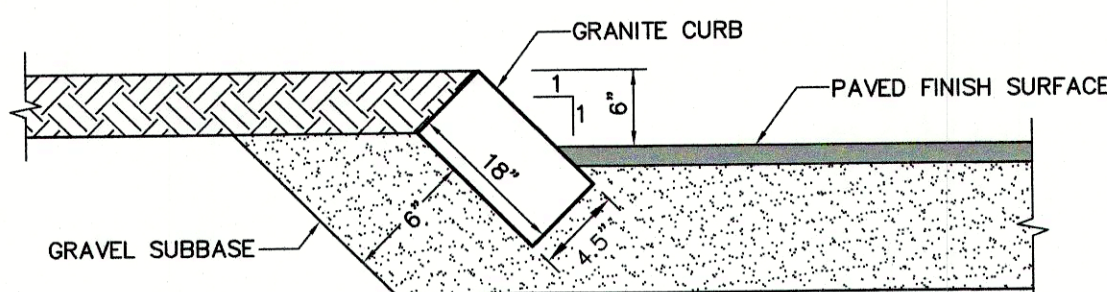


BITUMINOUS SIDEWALK DETAIL

NOT TO SCALE

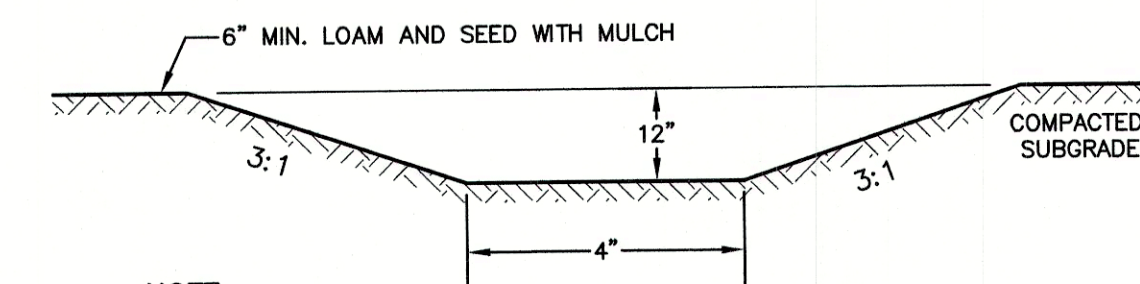
TRAFFIC CONTROL SCHEDULE

SIGN NUMBER	SIGN	SIZE OF SIGN WIDTH HEIGHT	DESCRIPTION	MOUNT TYPE	MOUNT HEIGHT	REMARKS
R1-1		30\"/>				



SLOPED GRANITE CURB

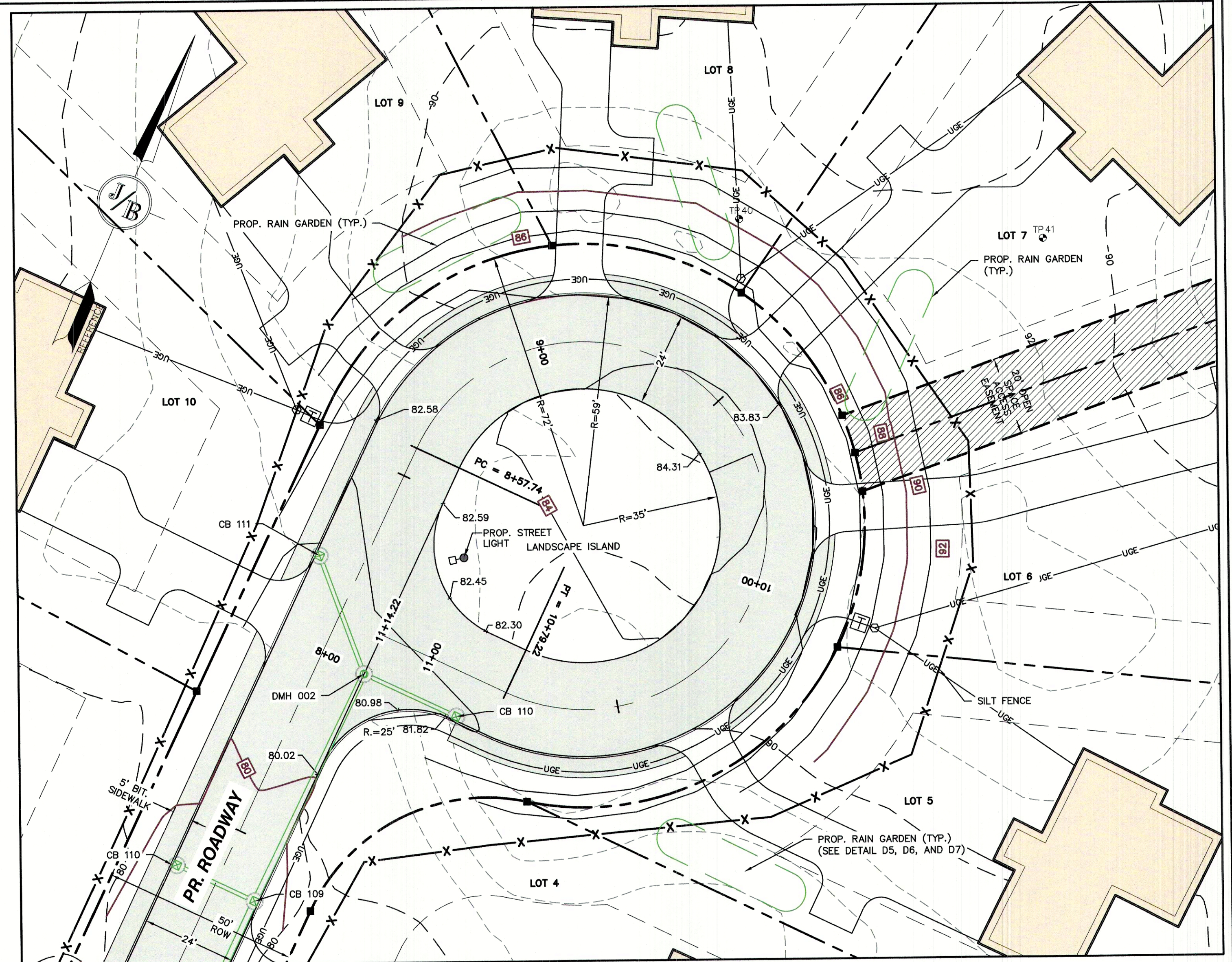
NOT TO SCALE



- NOTE:
1. STABILIZED PRIOR TO DIRECTING RUN OFF TO SWALE
  2. CONSTRUCT SWALE AT 0.010 FT/FT SLOPE (MIN.)

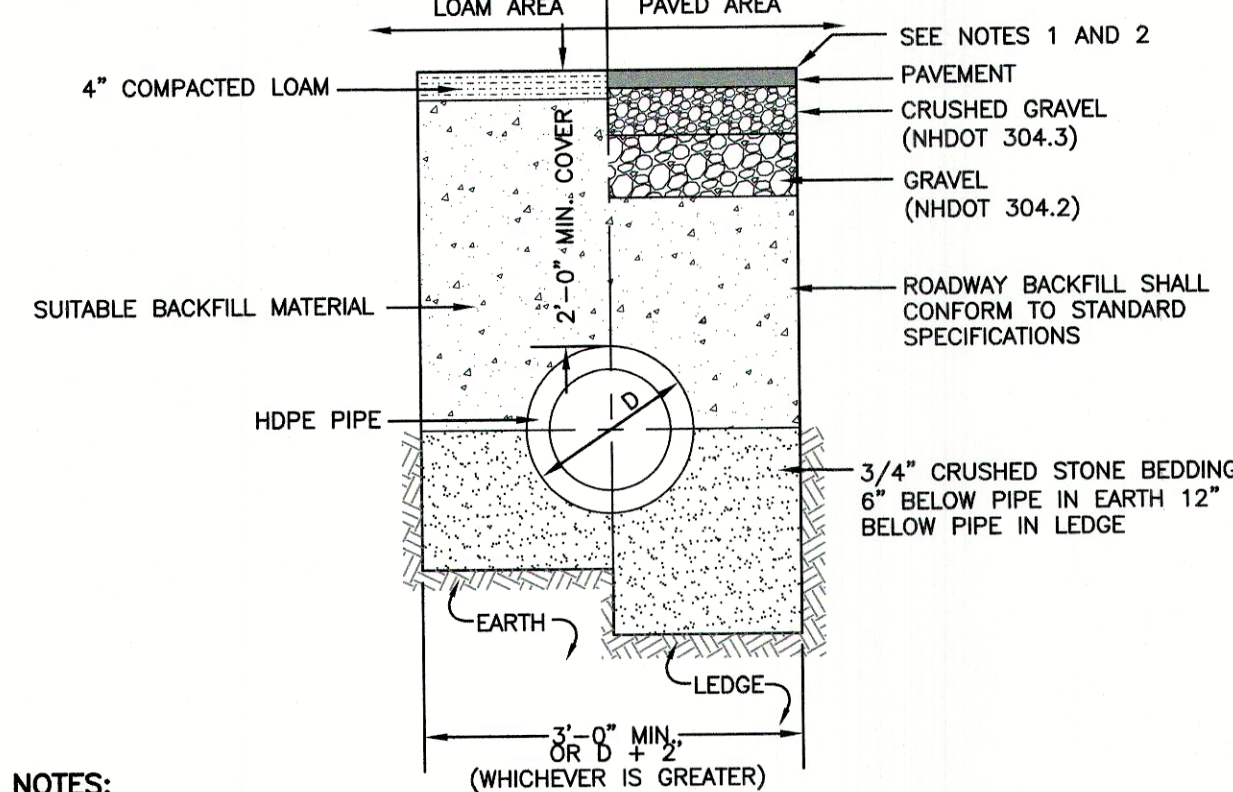
VEGETATED SWALE

NOT TO SCALE



CUL-DE-SAC BULB

1\"/>



- NOTES:
1. PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO STREET OPENING REGULATIONS.
  2. NEW ROADWAY CONSTRUCTION SHALL CONFORM WITH PROJECT AND TOWN SPECIFICATIONS.
  3. ALL MATERIALS ARE TO BE COMPACTED TO 95% OF ASTM D-1557.

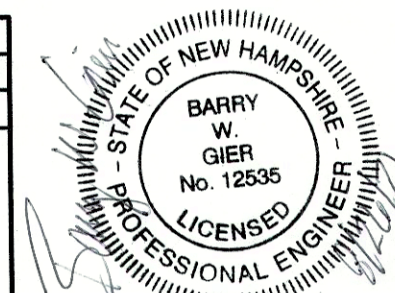
DRAINAGE TRENCH

NOT TO SCALE

Symbol	Qty	Label	Arrangement	Description
	5	S4-20	SINGLE	GLEON-SA2C-740-U-SL4/ SSS4A203FN1 (20' AFG)

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Design: BWG Draft: DFP Date: 08/17/2021  
 Checked: BWG Scale: AS NOTED Project No.: 19102  
 Drawing Name: 19102-PLAN.dwg  
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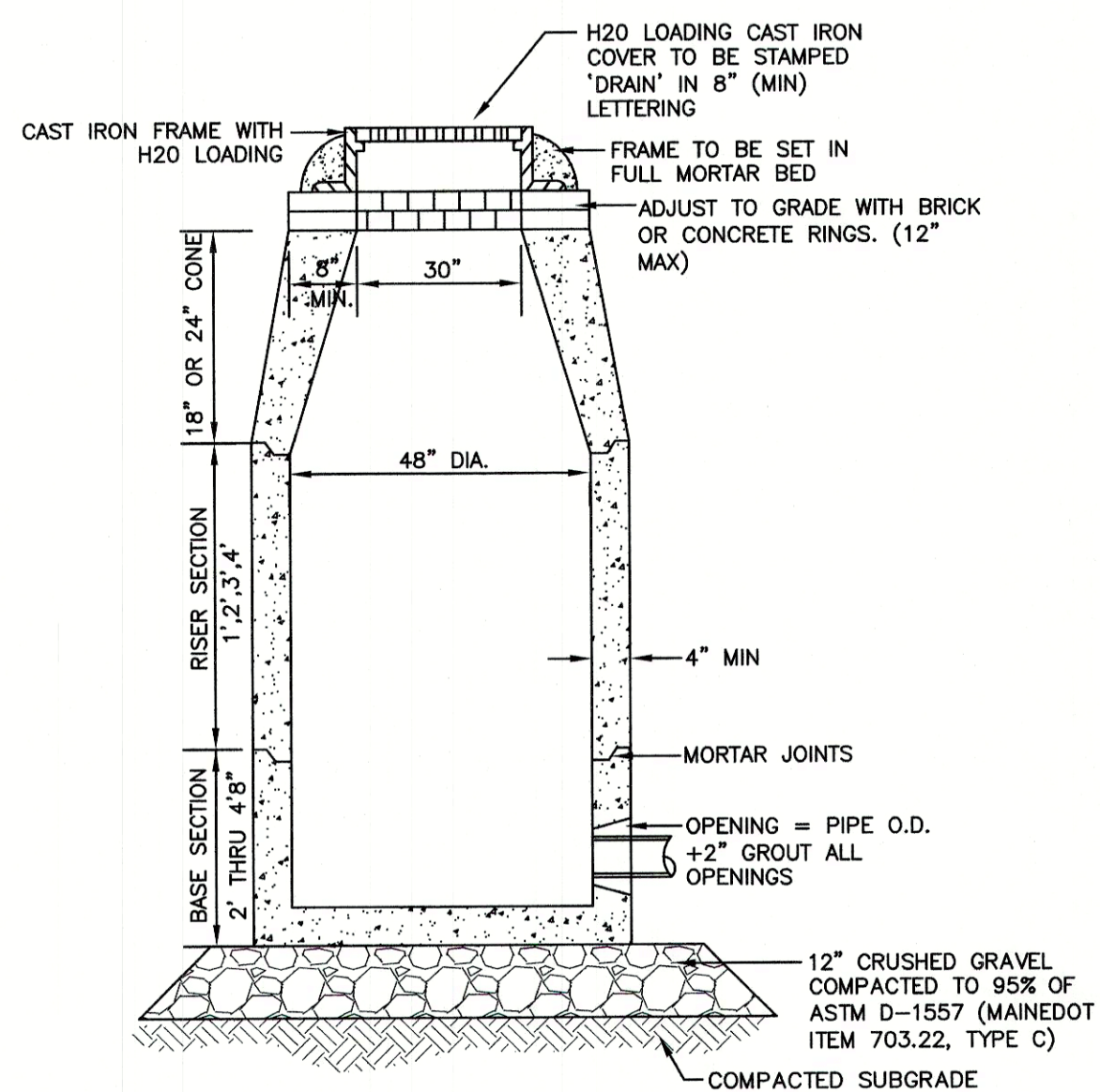
Designed and Produced in NH

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

Plan Name: **DETAIL SHEET**  
 Project: **TAX MAP 33 LOT 26**  
**19 WATSON ROAD, EXETER, NH**  
 Owner of Record: **SCOTT W. CARLISLE III**  
**14 CASS STREET, EXETER, NH 03833**

DRAWING No. **D1**  
 SHEET 21 OF 29  
 JBE PROJECT NO. 19102



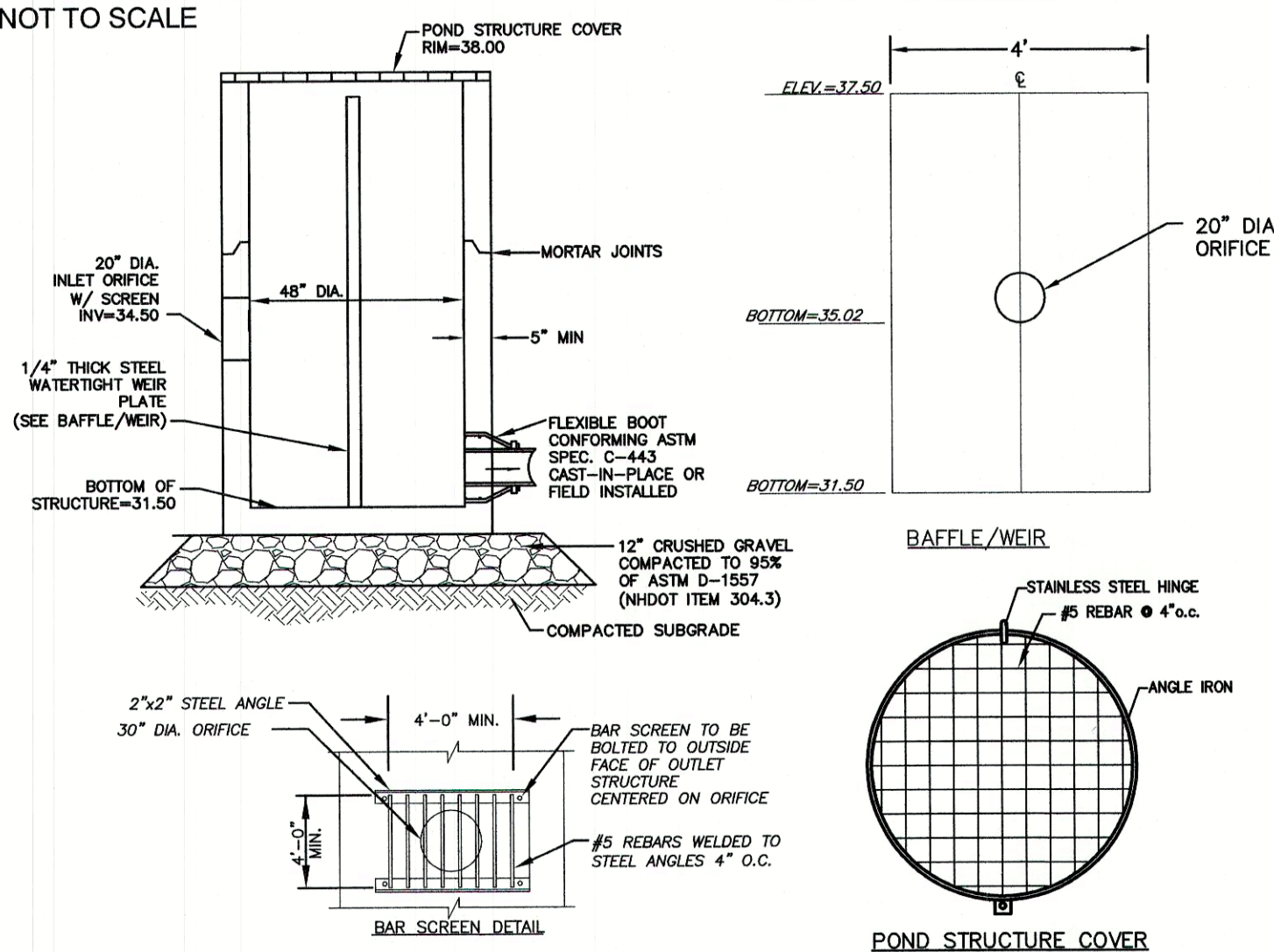


**NOTES:**

1. BASE SECTION SHALL BE MONOLITHIC WITH 48" INSIDE DIAMETER.
2. ALL SECTIONS SHALL BE DESIGNED FOR H2O LOADING.
3. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4000 PSI, TYPE II CEMENT.
4. FRAMES AND GRATES SHALL BE HEAVY DUTY AND DESIGNED FOR H2O LOADING.
5. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS SO AS TO BE WATERTIGHT.
6. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
7. ALL DRAIN MANHOLE FRAMES AND GRATES SHALL BE NEENAH R-1798 OR APPROVED EQUAL (30" DIA. TYPICAL).
8. STANDARD FRAME(S) AND GRATE(S) SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM, BUT NO MORE THAN 12"), OR PRECAST CONCRETE "DONUTS".

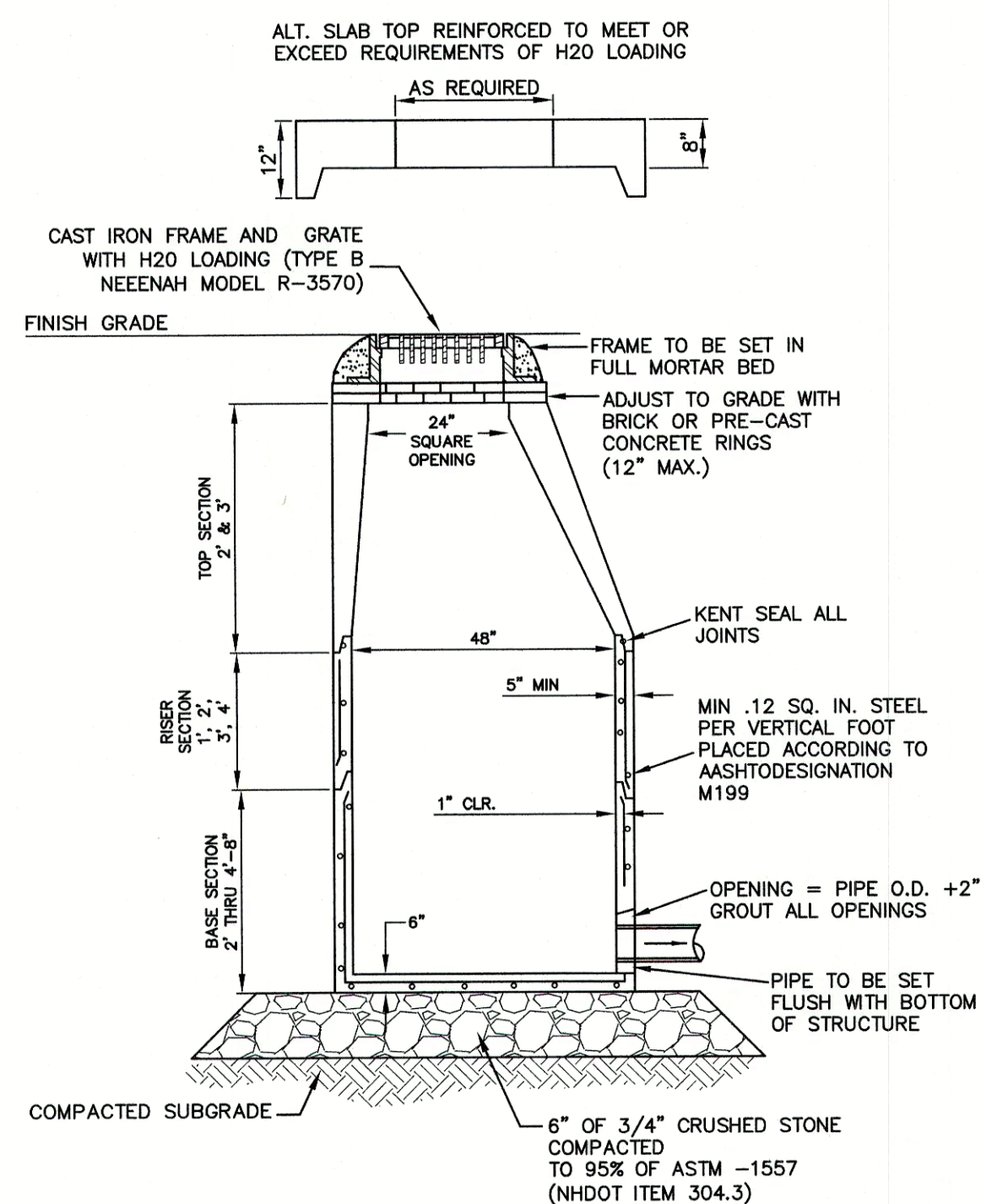
**DRAIN MANHOLE (4' DIAM.)**

NOT TO SCALE



**OUTLET STRUCTURE #1 (OS #1)**

NOT TO SCALE

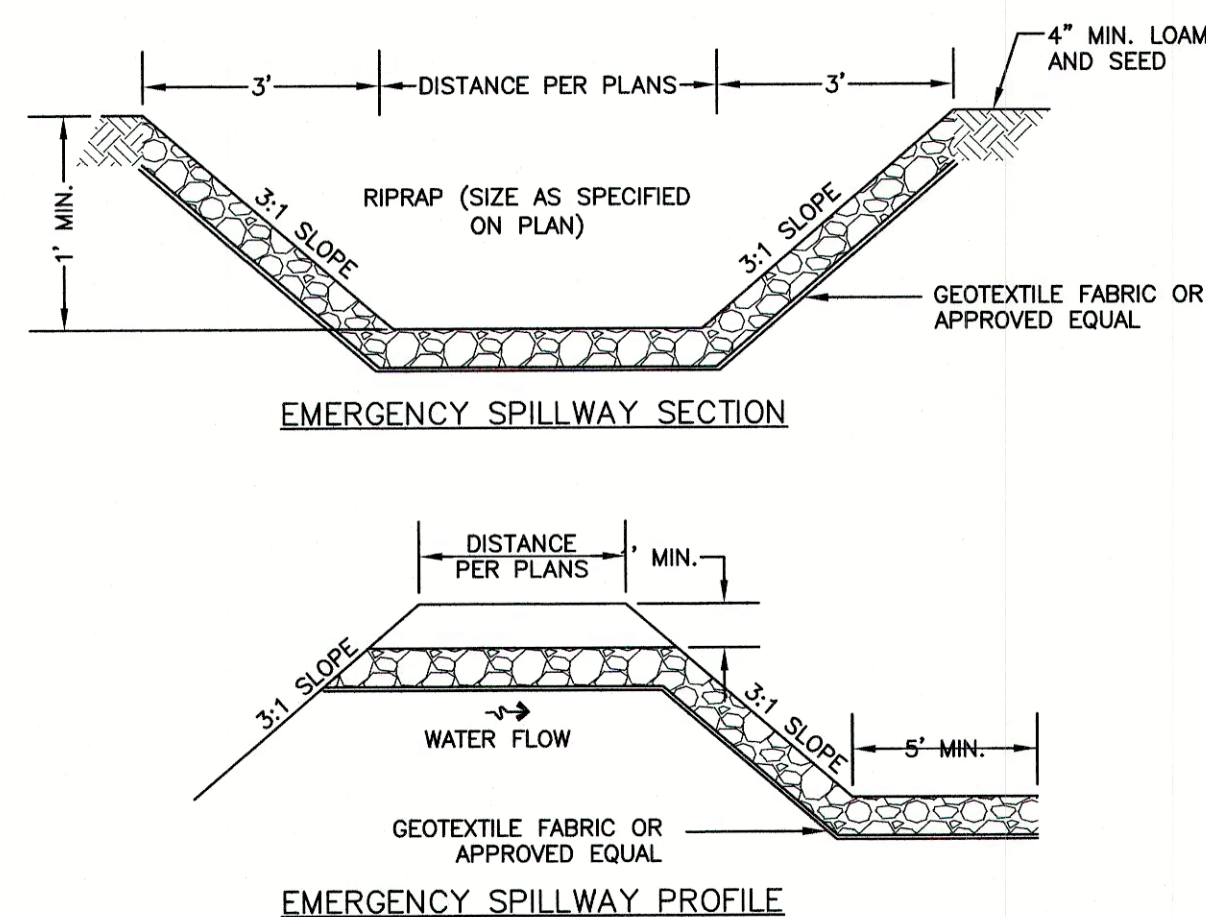


**NOTES:**

1. BASE SECTION SHALL BE MONOLITHIC WITH 48" INSIDE DIAMETER.
2. ALL SECTIONS SHALL BE DESIGNED FOR H2O LOADING.
3. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4000 PSI, TYPE II CEMENT.
4. FRAMES AND GRATES SHALL BE HEAVY DUTY AND DESIGNED FOR H2O LOADING.
5. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS SO AS TO BE WATERTIGHT.
6. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
7. ALL CATCH BASIN FRAMES AND GRATES SHALL BE NHDOT CATCH BASIN TYPE ALTERNATE 1 OR NEENAH R-3570 OR APPROVED EQUAL (24"x24" TYPICAL).
8. STANDARD CATCH BASIN FRAME AND GRATE(S) SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM, BUT NO MORE THAN 12"), OR PRECAST CONCRETE "DONUTS".

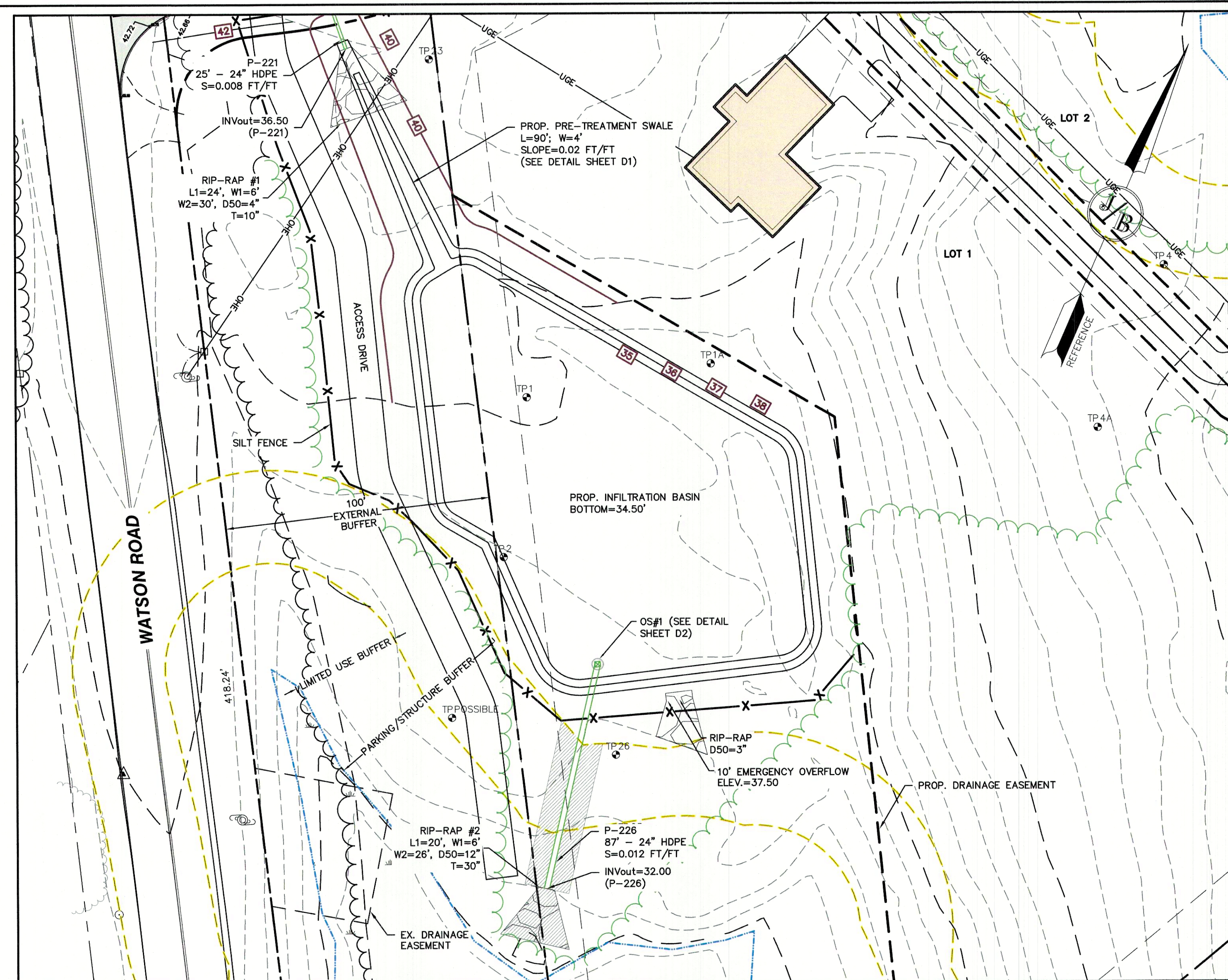
**CATCH BASIN (w/o SUMP)**

NOT TO SCALE



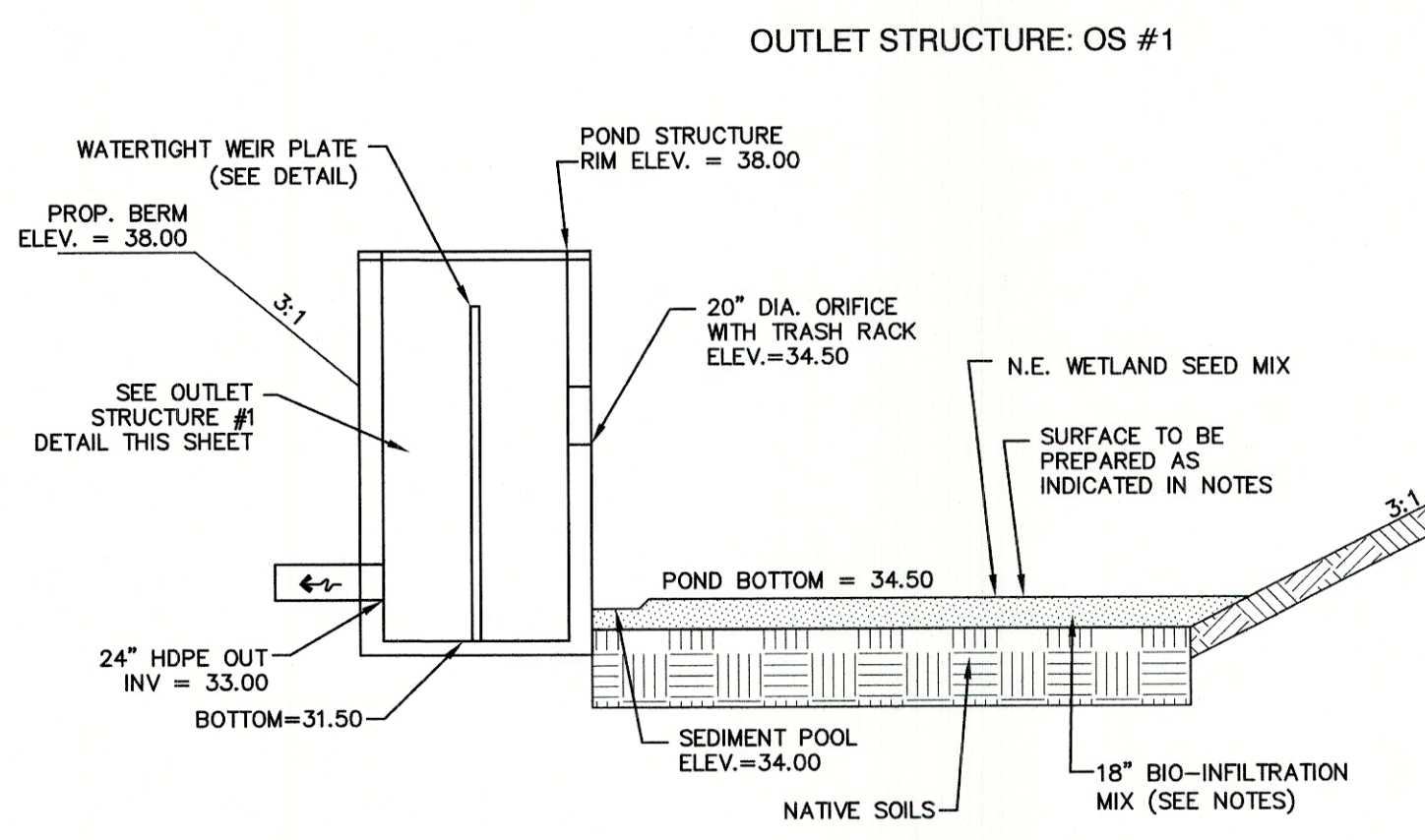
**EMERGENCY SPILLWAY**

NOT TO SCALE



**INFILTRATION BASIN**

1"=30'



**INFILTRATION BASIN**

**NOTES:**

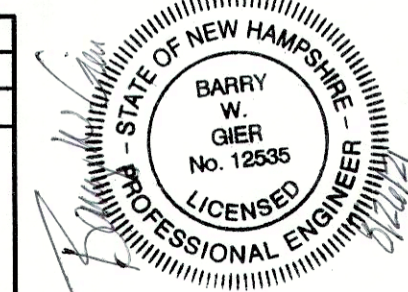
1. DO NOT DISCHARGE SEDIMENT LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO INFILTRATION POND.
2. DO NOT TRAFFIC EXPOSE SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATION WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.
3. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
4. VEGETATION SHOULD BE ESTABLISHED IMMEDIATELY.
5. DO NOT PLACE INFILTRATION SYSTEM INTO SERVICE UNTIL THE CONTRIBUTING AREA HAS BEEN FULLY STABILIZED.
6. ANY FILL MATERIAL USED UNDER INFILTRATION PONDS SHALL BE FREE-DRAINING.
7. SUBGRADE MATERIAL SHALL BE FREE OF ORGANICS, SILTS, CLAY, ROOTS AND ANY UNSUITABLE MATERIAL.
8. IF AN INFILTRATION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE INFILTRATION FUNCTION, INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE INFILTRATION SYSTEM.

**BIO-INFILTRATION MIX AND PROCEDURE:**

1. REMOVE EXISTING FOREST LITTER FROM INFILTRATION BASIN SITE.
2. REMOVE SANDY LOAM AND STOCKPILE (SCREEN LARGE ROOTS).
3. REMOVE SANDY LAYERS TO 18" BELOW BASIN FLOOR ELEVATION.
4. BIO-INFILTRATION MIX: (BY VOLUME)
  - 4.1. 50%-55% ASTM C-33 CONCRETE SAND.
  - 4.2. 20%-30% LOAMY SAND TOPSOIL WITH 15%-25% FINES PASSING A #200 SIEVE.
  - 4.3. 20%-30% MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH WITH LESS THAN 5% PASSING THE #200 SIEVE.
5. INSTALL TO BIO-INFILTRATION MIX TO BASIN BOTTOM ELEVATION.
6. SEED WITH "NEW ENGLAND WARM SEASON GRASS MIX" AS SOLD BY NEW ENGLAND WETLAND PLANTS, INC. OR EQUAL AS APPROVED BY ENGINEER. APPLICATION RATE = 1900 SQ.FT. / LB.
  - 6.1. LIGHTLY MULCH WITH WEED FREE STRAW.

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Drawing Name: 19102-PLAN.dwg		
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 PO Box 219 Stratham, NH 03885 FAX: 603-772-0227  
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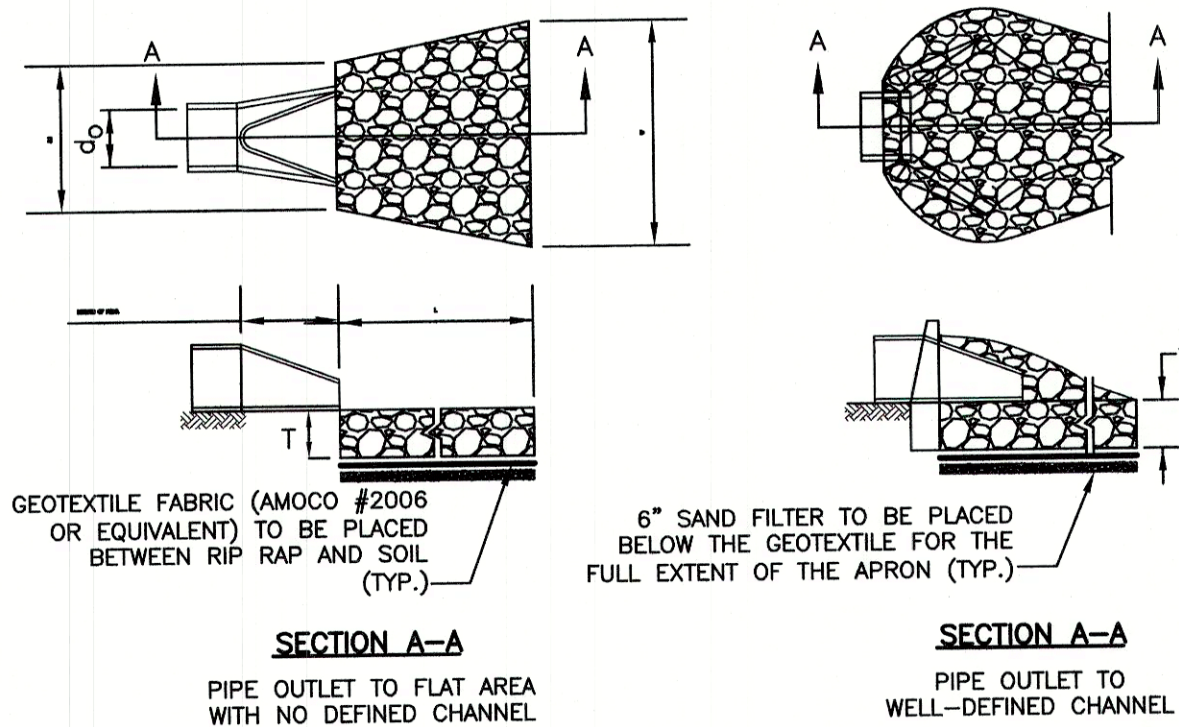
Plan Name:	DETAIL SHEET
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.

**D2**

SHEET 22 OF 29  
JBE PROJECT NO. 19102





**TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES**  
THICKNESS OF RIP RAP = 1.5 FEET

d50 SIZE=	0.50 FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	9	12
85%	8	11
50%	6	9
15%	2	3

**TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES**  
THICKNESS OF RIP RAP = 3.0 FEET

d50 SIZE=	0.50 FEET	12 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	18	24
85%	16	22
50%	12	18
15%	4	6

- NOTES:**
1. THE SUBGRADE FOR THE GEOTEXTILE FABRIC AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
  2. THE RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
  3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
  4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
  5. OUTLETS TO A DEFINED CHANNEL SHALL HAVE 2:1 OR FLATTER SIDE SLOPES AND SHOULD BEGIN AT THE TOP OF THE CULVERT AND TAPER DOWN TO THE CHANNEL BOTTOM THROUGH THE LENGTH OF THE APRON.
  6. **MAINTENANCE:** THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO OUTLET PROTECTION.

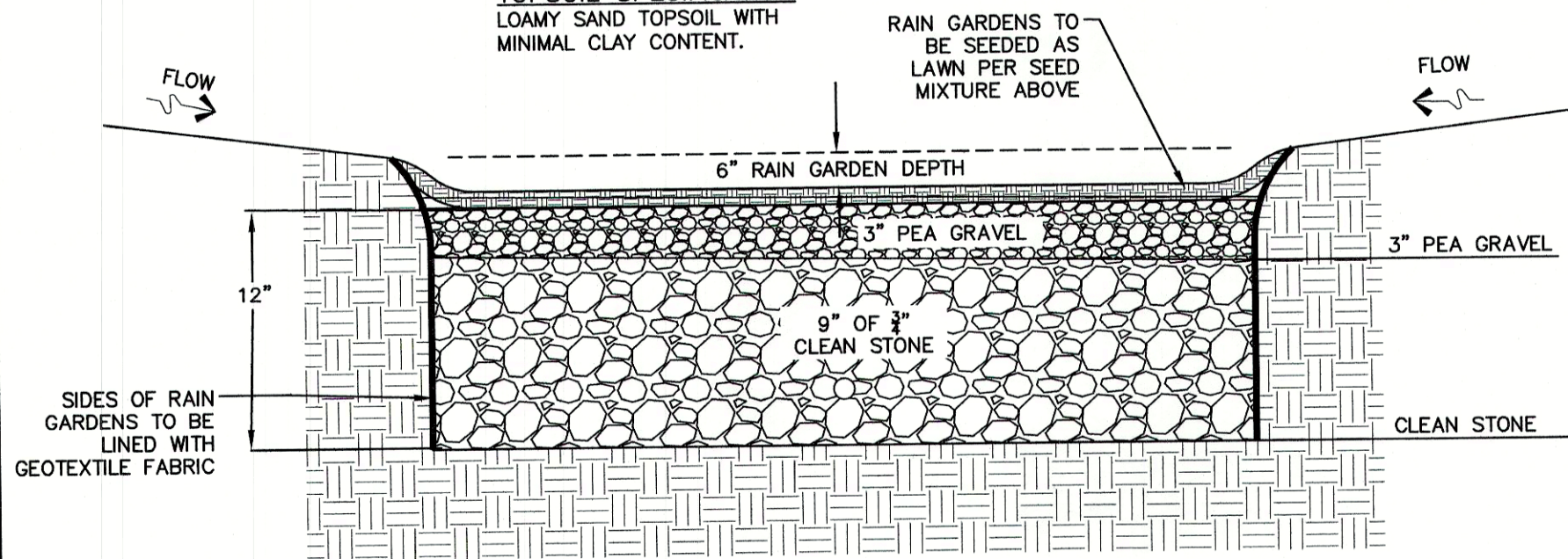
**RIP RAP OUTLET PROTECTION APRON**

NOT TO SCALE

**SEED MIXTURE**

20%	PENN RK4 TALL FESCUE
20%	REBEL XLR TALL FESCUE
20%	REBEL V TALL FESCUE
15%	SOPRANO PERENNIAL RYEGRASS
15%	BLUE BONNET KENTUCKY BLUEGRASS
10%	ORACLE RED FESCUE

**TOPSOIL SPECIFICATION**  
LOAMY SAND TOPSOIL WITH MINIMAL CLAY CONTENT.



**DESIGN CONSIDERATIONS**

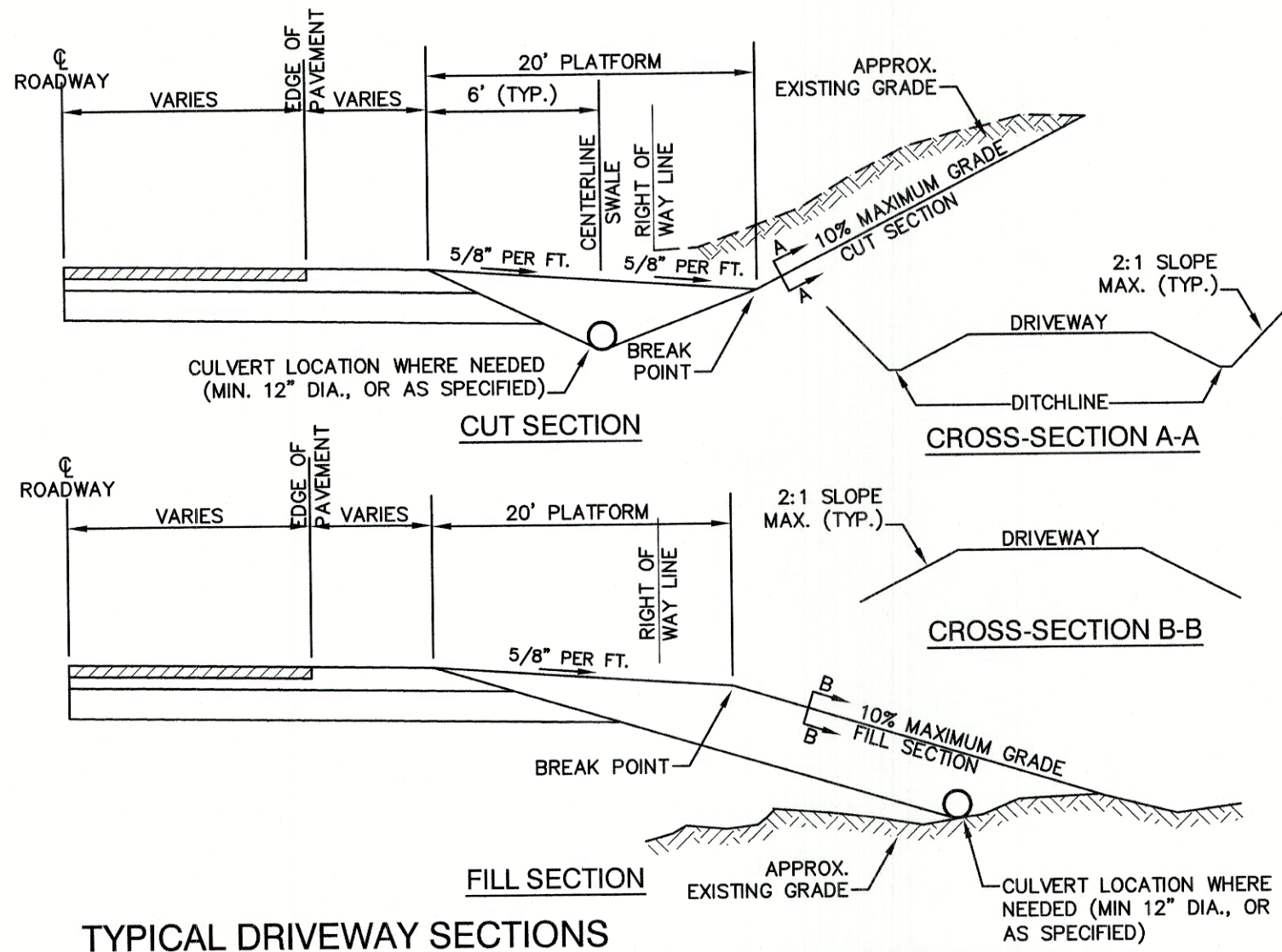
1. DO NOT PLACE RAIN GARDEN AREAS INTO SERVICE UNTIL IT HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
2. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUN-OFF, WATER FROM EXCAVATIONS) TO THE RAIN GARDEN AREA DURING ANY STAGE OF CONSTRUCTION.
3. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT OUTSIDE THE LIMITS OF THE RAIN GARDEN COMPONENTS OF THE SYSTEM.

**MAINTENANCE REQUIREMENTS:**

4. HOMEOWNERS SHOULD INSPECT THE RAIN GARDEN AFTER LARGE STORMS TO ENSURE THAT NO CHANNELS HAVE FORMED AND THAT ANY PLANTINGS ARE HEALTHY. TRASH AND DEBRIS SHOULD BE REMOVED AT EACH INSPECTION.
5. RAIN GARDEN AREAS TO REMAIN AS LAWN AREAS AND SHOULD MOWED REGULARLY.
6. NO BUSHES OR TREES SHOULD BE PLANTED IN THIS AREA, AREA TO REMAIN AS GRASS.

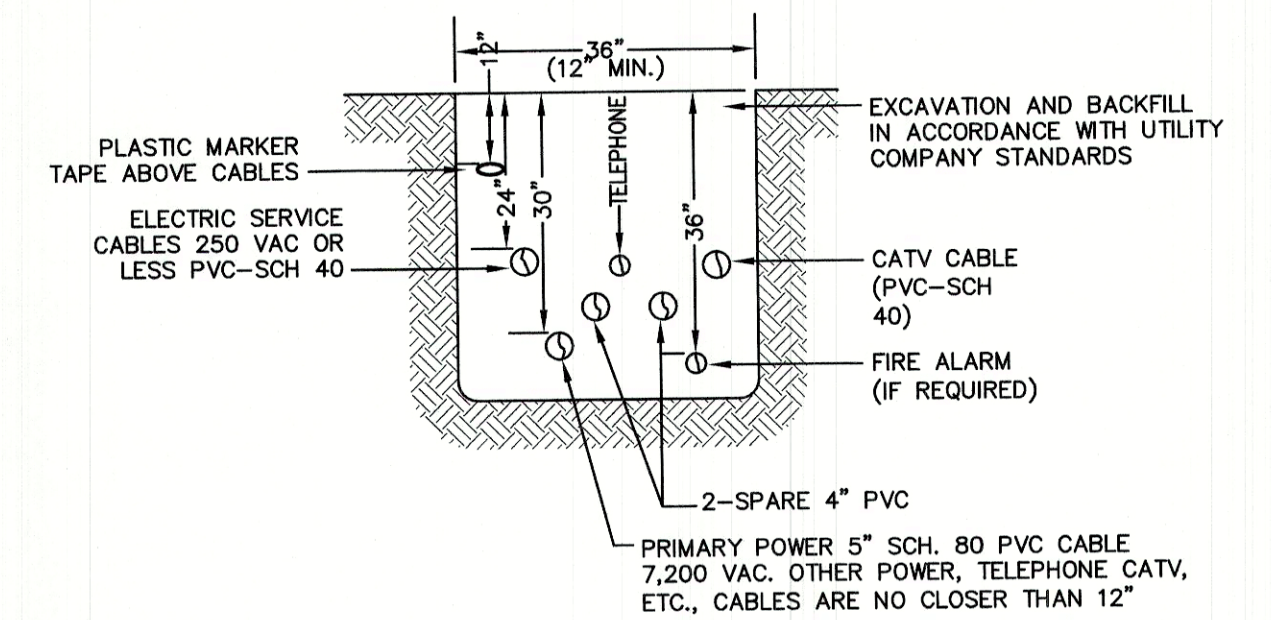
**RESIDENTIAL RAIN GARDEN DETAIL**

NOT TO SCALE



**TYPICAL DRIVEWAY SECTIONS**

NOT TO SCALE



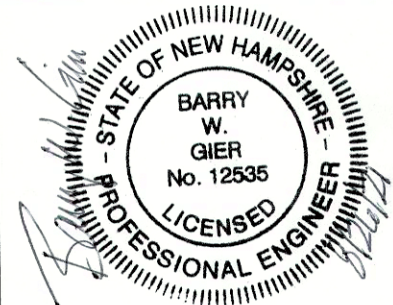
NOTE: ALL UTILITIES SHALL BE REVIEWED AND APPROVED BY APPROPRIATE UTILITY COMPANY.

**UTILITY TRENCH**

NOT TO SCALE

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Civil Engineering Services

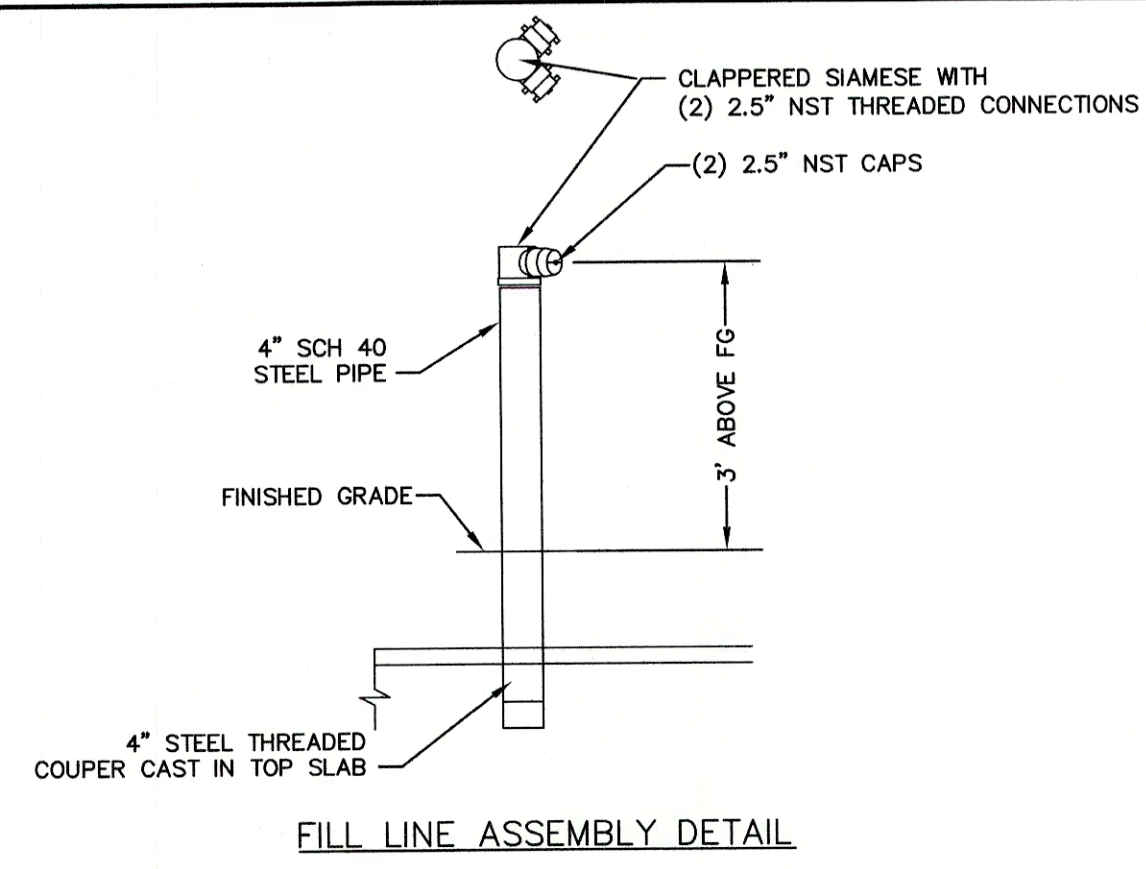
85 Portsmouth Ave. PO Box 219 Stratham, NH 03885

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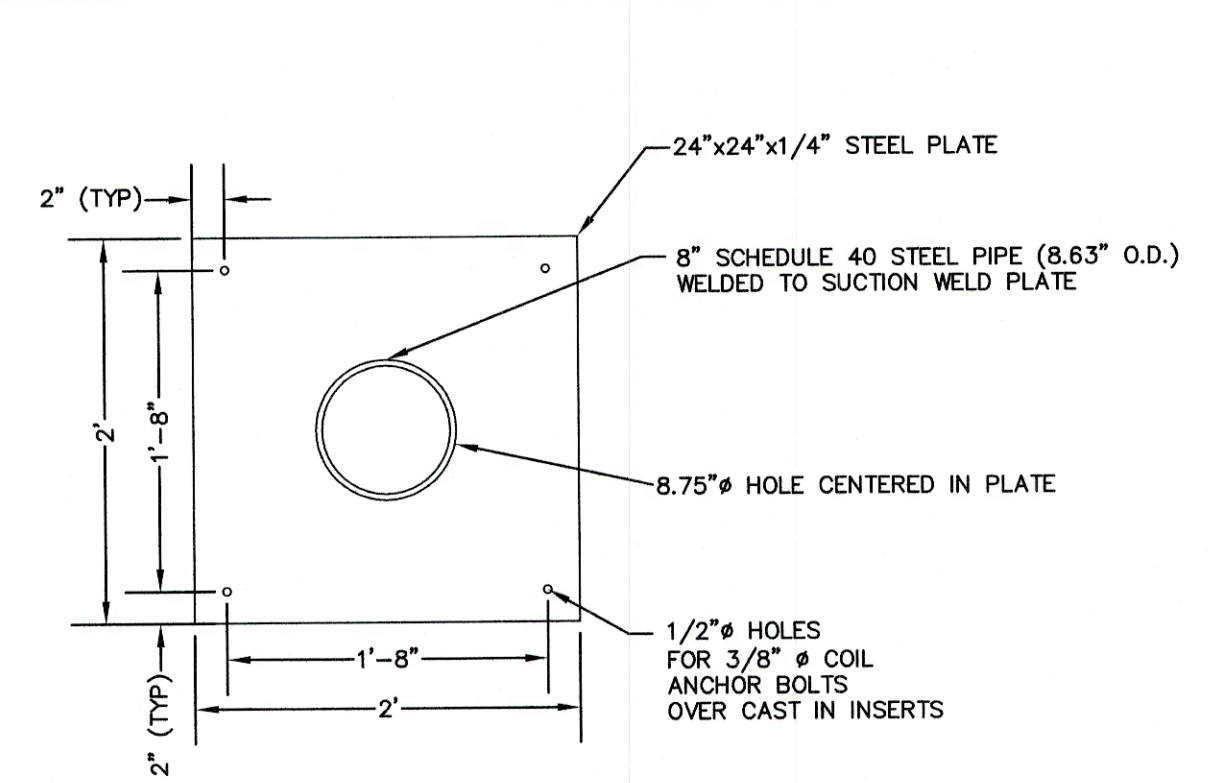
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Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.	D3
SHEET 23 OF 29	JBE PROJECT NO. 19102

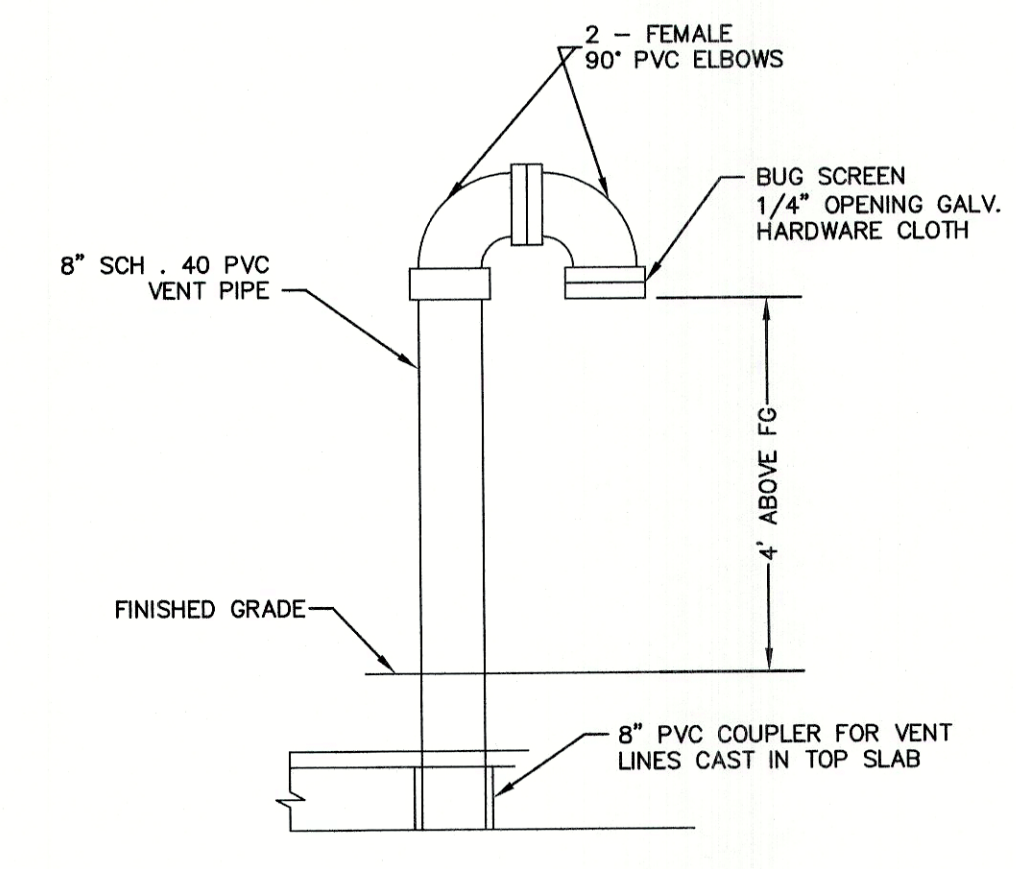




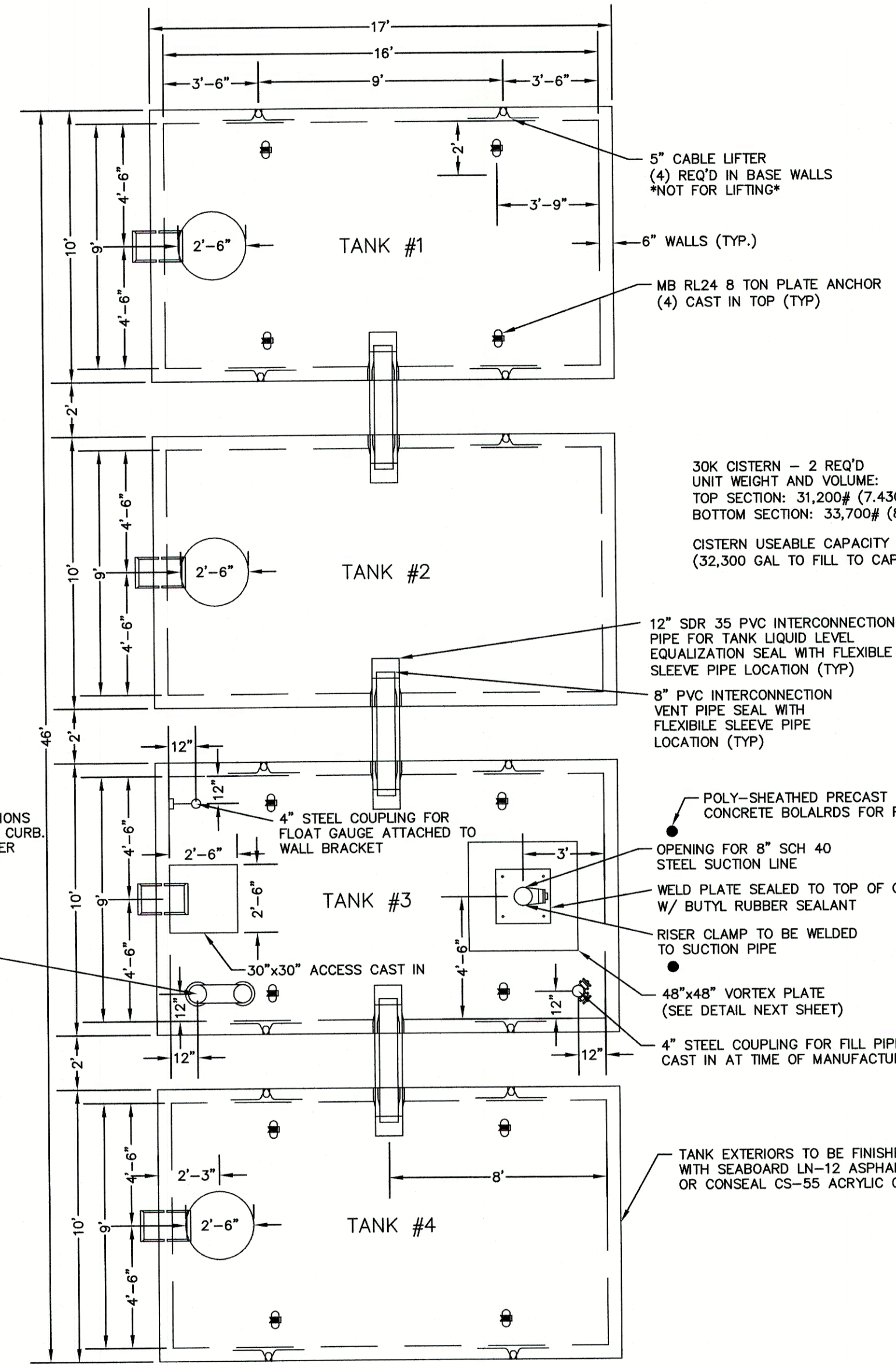
FILL LINE ASSEMBLY DETAIL



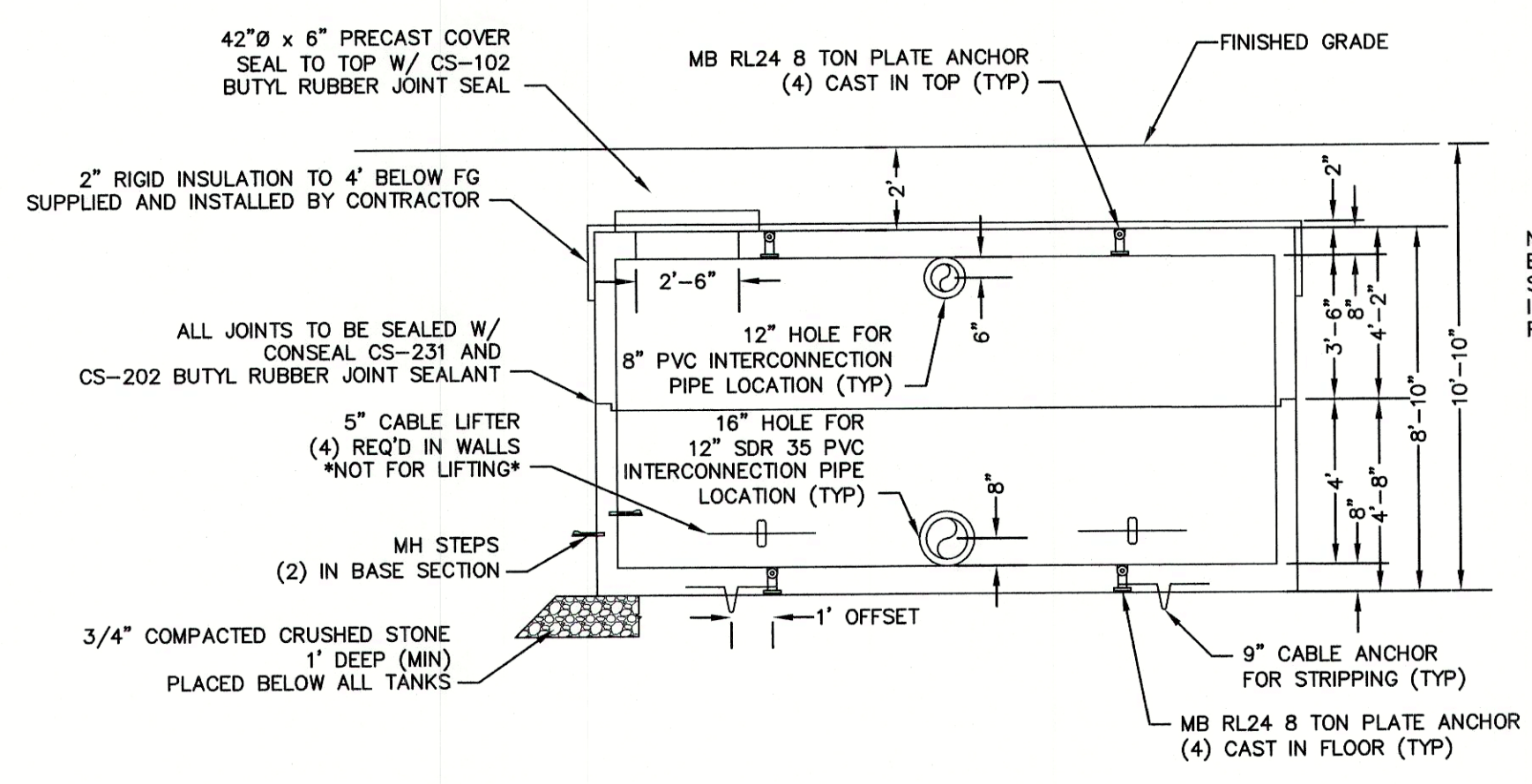
SUCTION WELD PLATE DETAIL PLAN VIEW



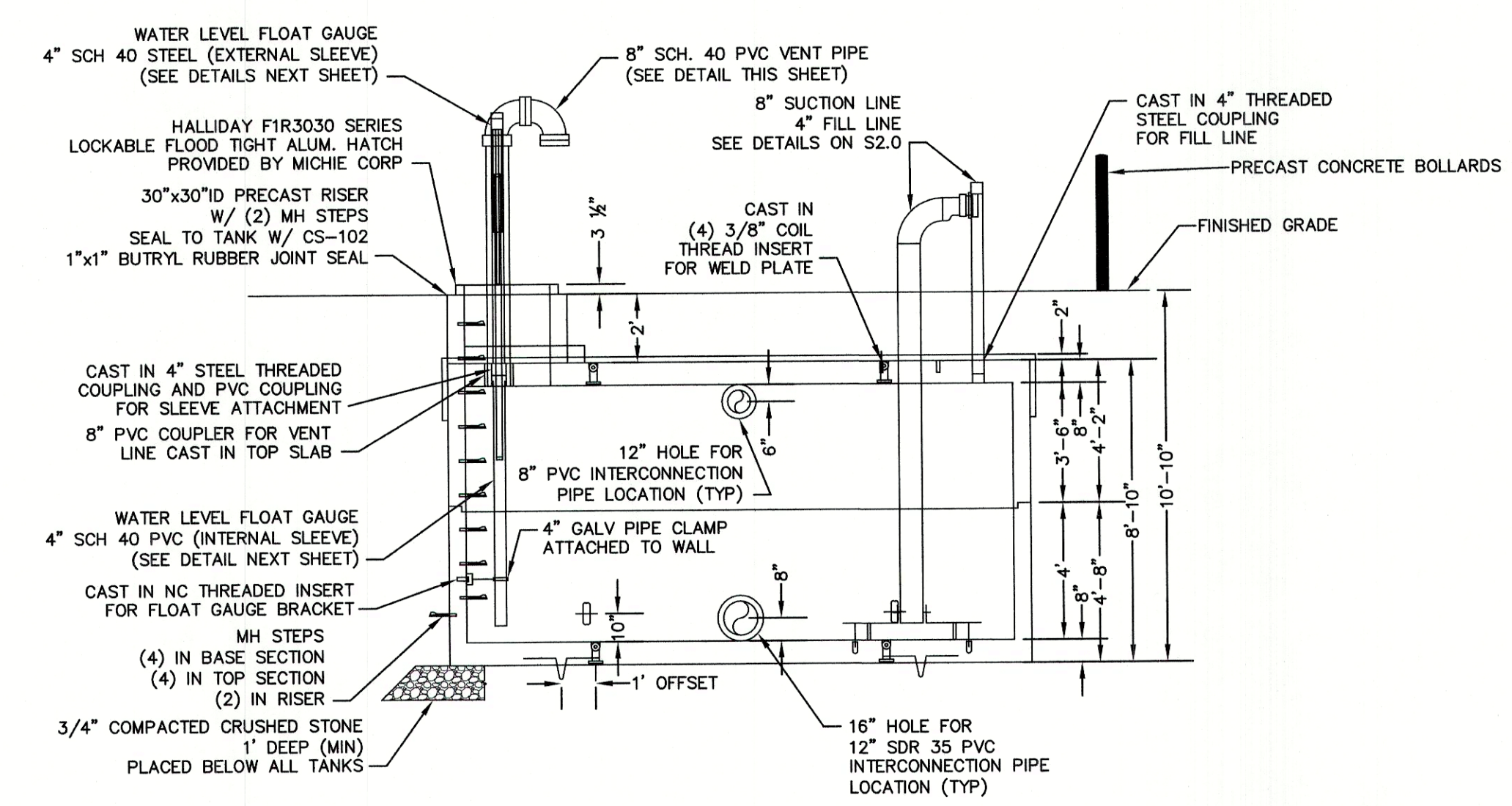
VENT PIPE ASSEMBLY DETAIL



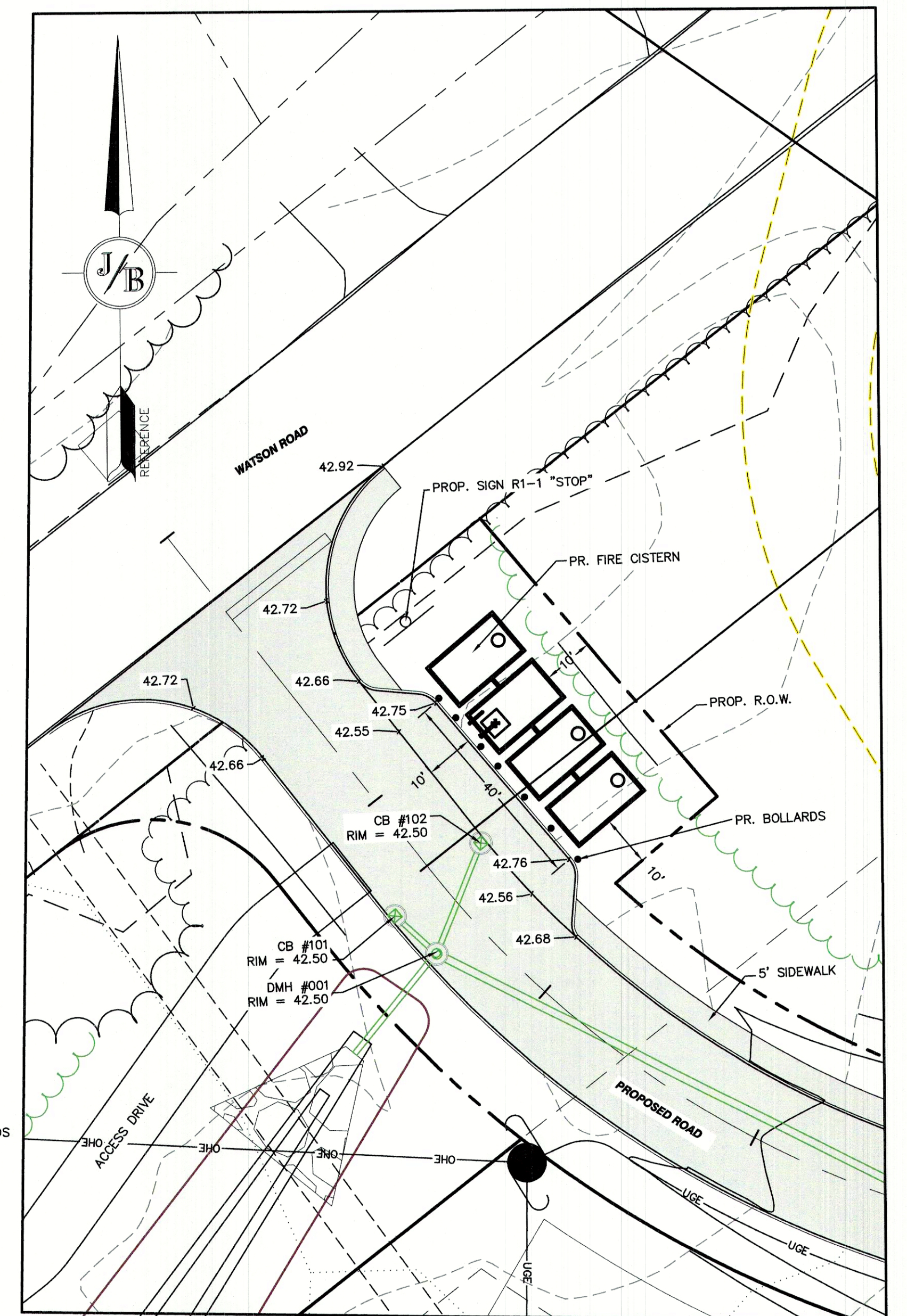
PLAN VIEW



TANKS 1, 2 & 4 ELEV. VIEW



TANK 3 ELEV. VIEW



CISTERN PLAN

SCALE: 1" = 20'

NOTE: FILL AND SUCTION LINE EXTENSIONS TO BE WITHIN 5 FT OF FACE OF CURB. ADJUST AND FIELD-VERIFY AFTER INSTALLATION.

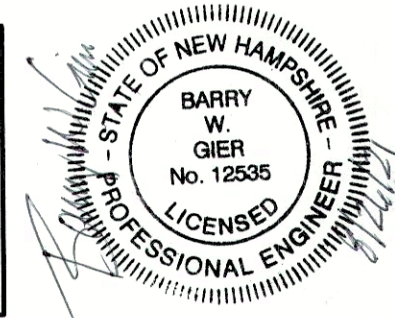
NOTE: BOTH TANK 1 AND 4 SHALL ONLY HAVE INTERCONNECTION PIPING ON ONE SIDE

MITCHIE CORPORATION 30,000 GAL CISTERN DETAIL

NOT TO SCALE - (SEE ADDITIONAL COMPONENT DETAILS THIS AND NEXT SHEET)

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**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

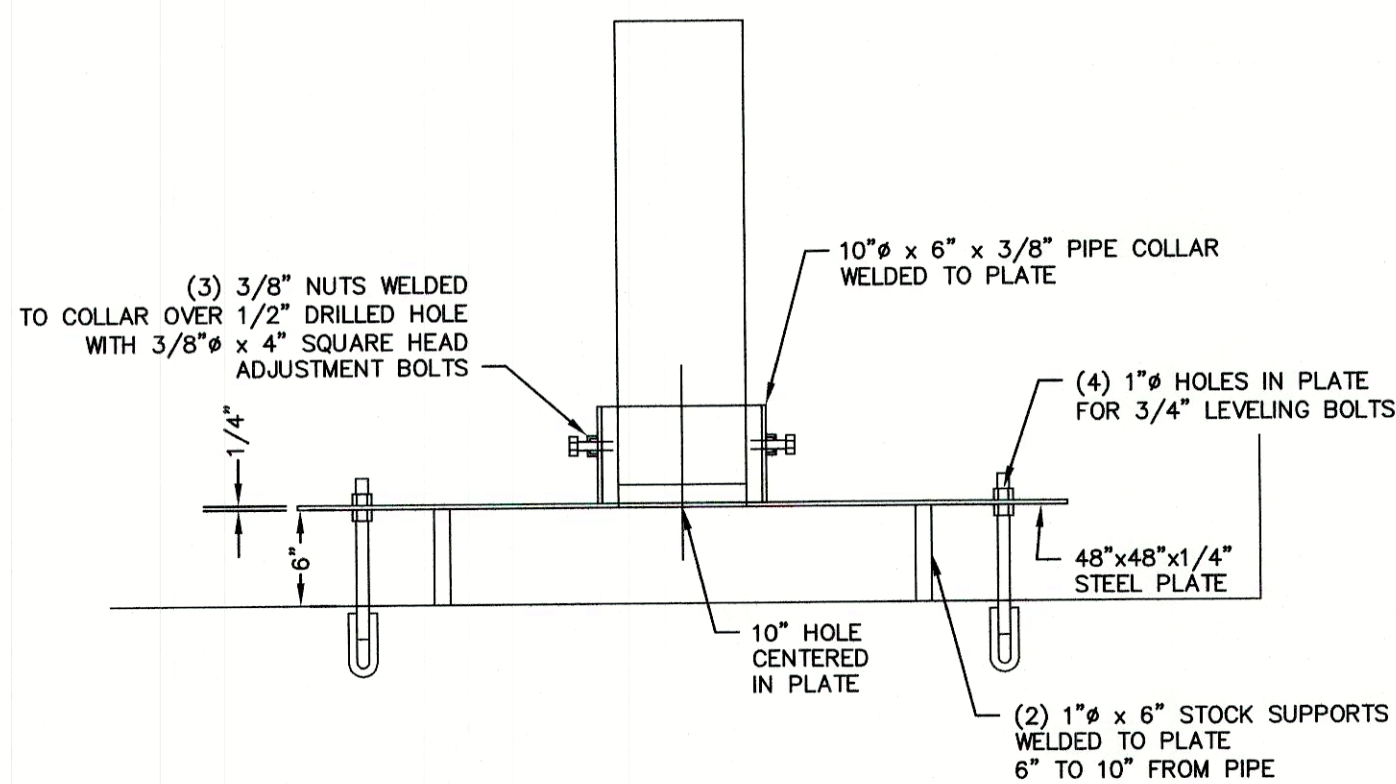
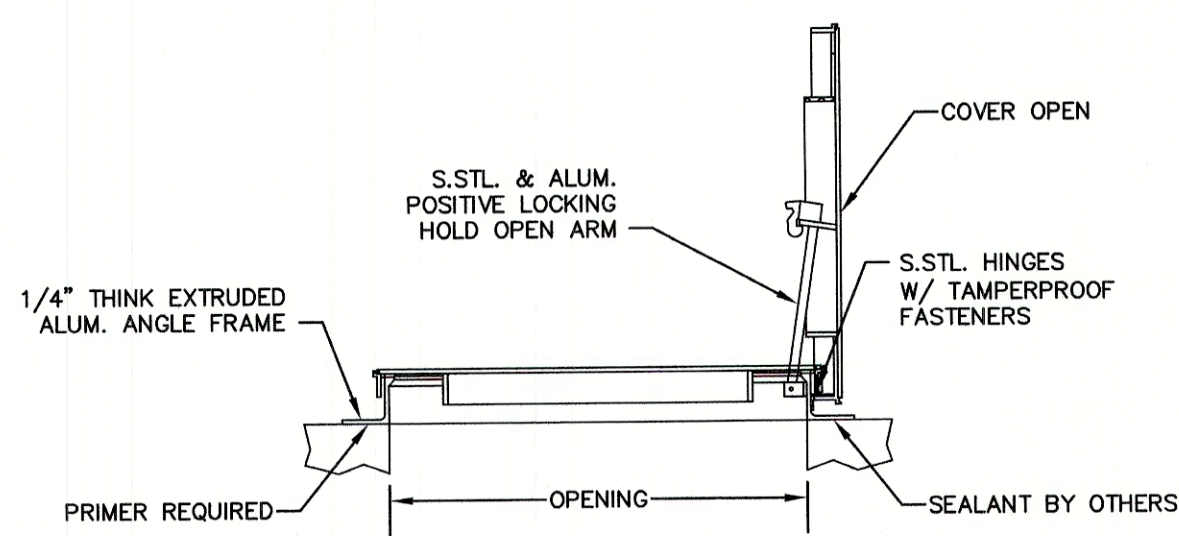
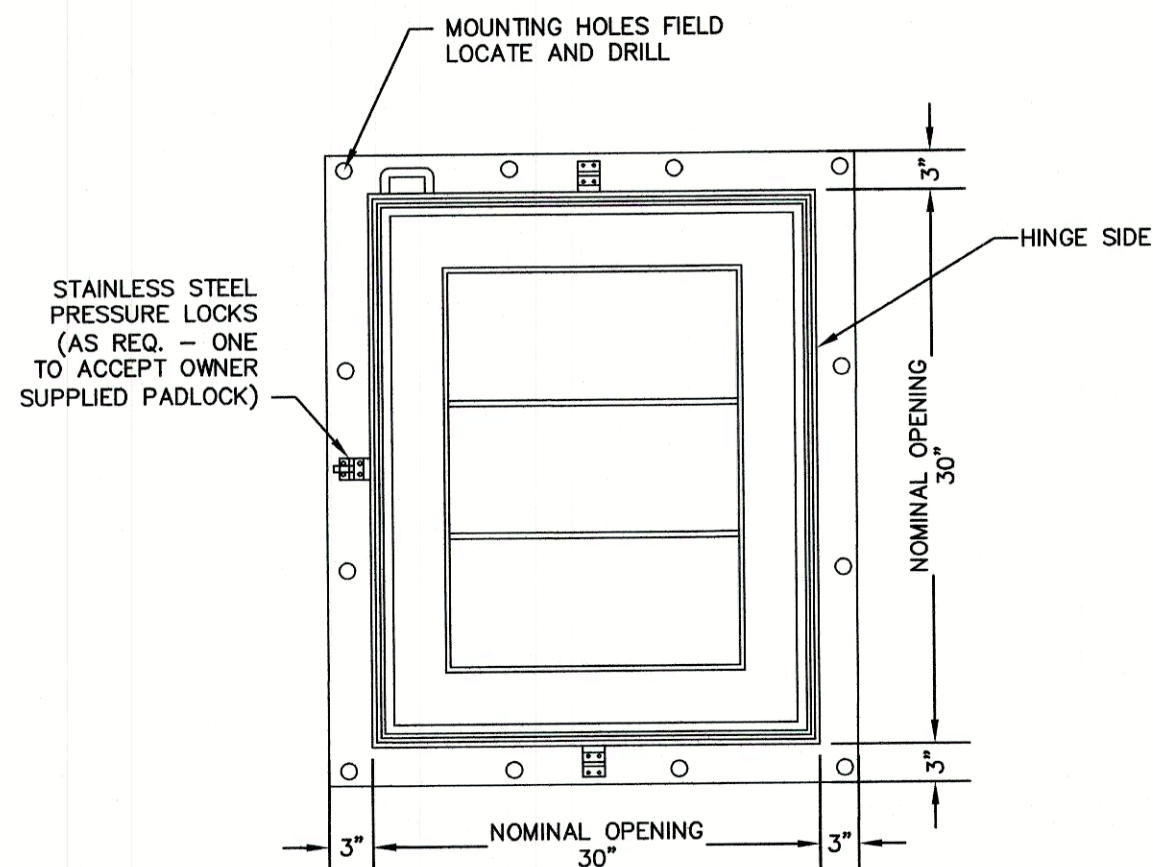
Plan Name:	DETAIL SHEET
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

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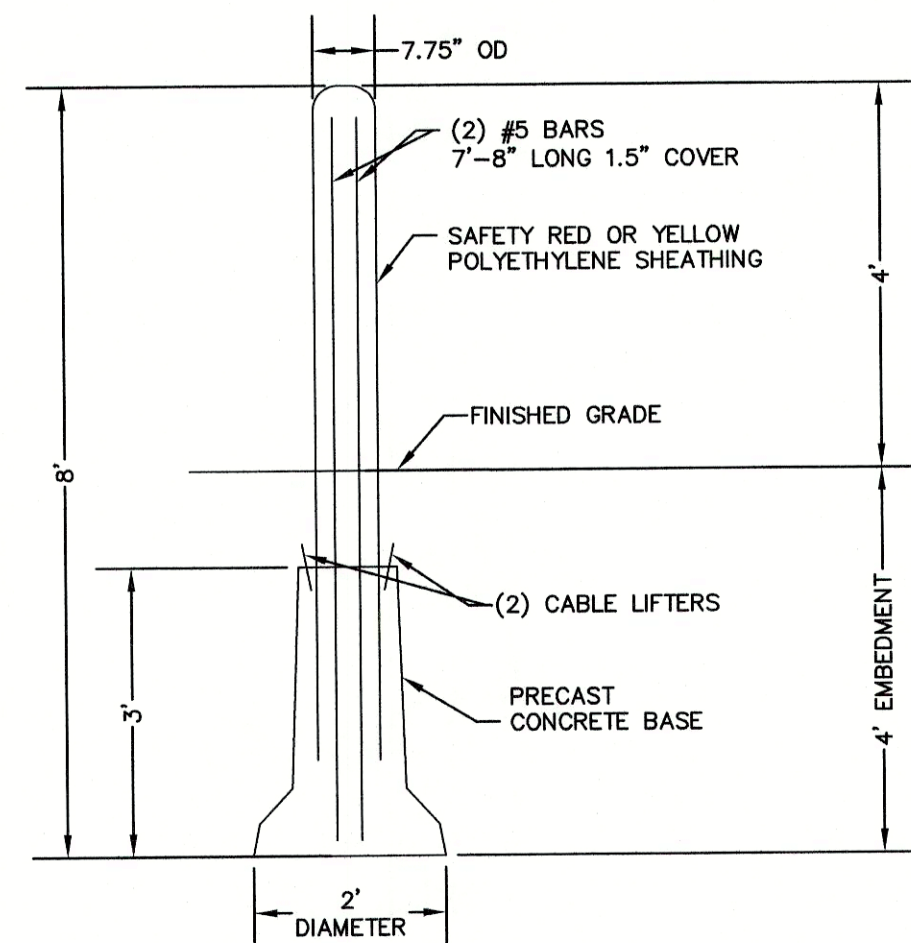
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SHEET 24 OF 29  
JBE PROJECT NO. 19102



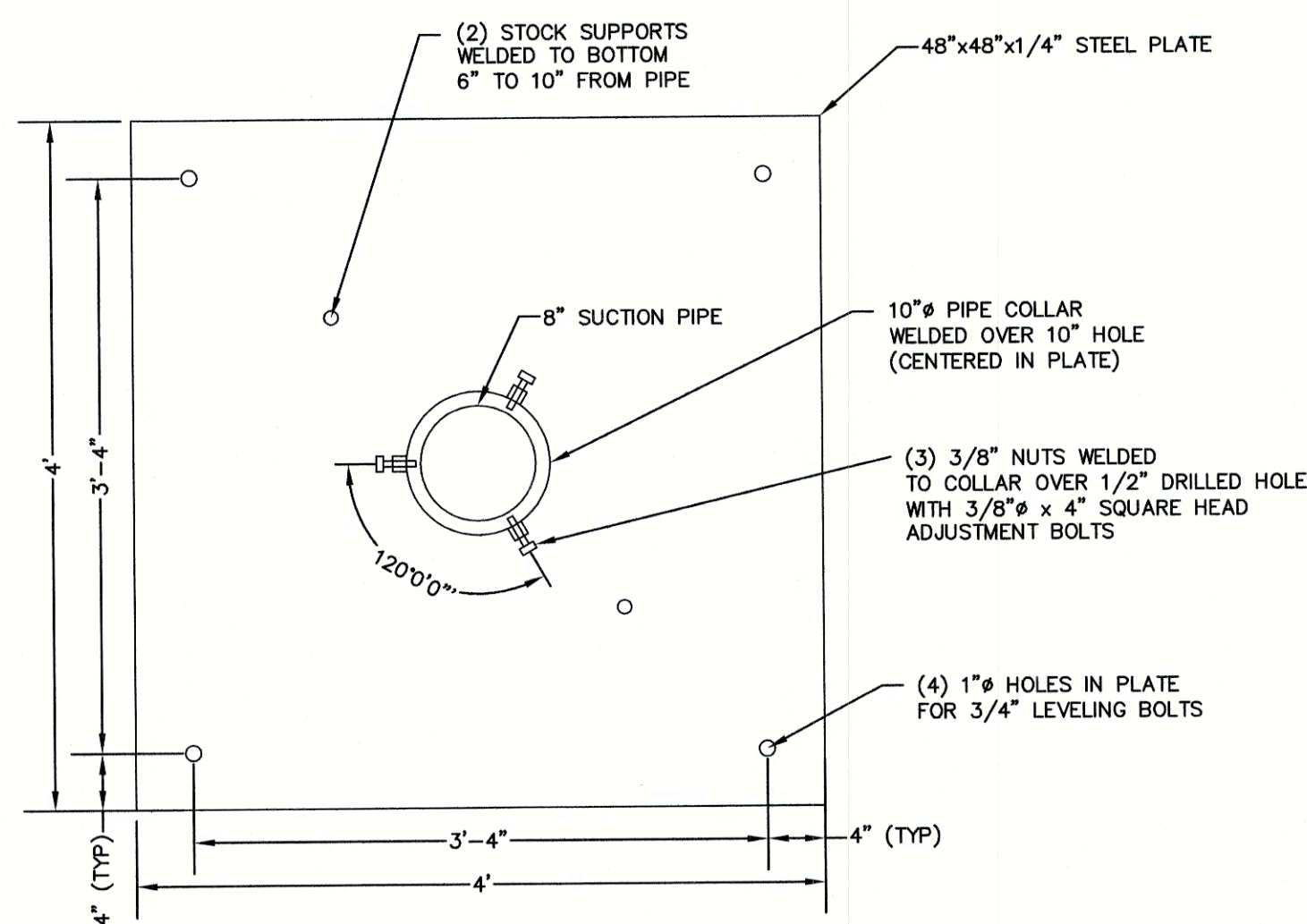


ANTI VORTEX PLATE DETAIL  
ELEVATION VIEW

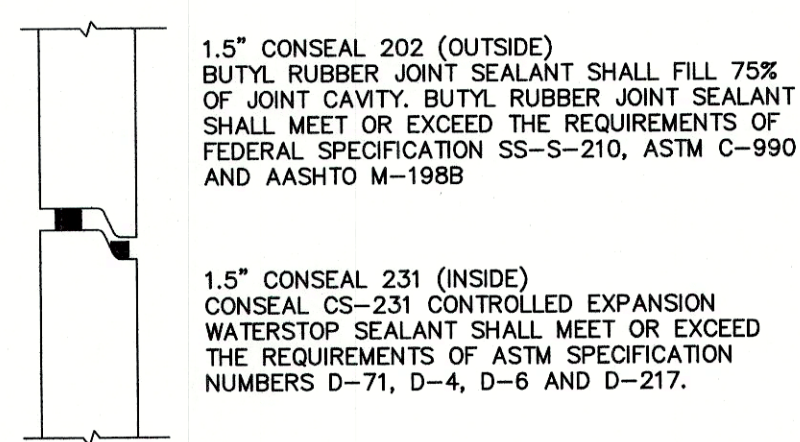


NOTES:  
1. CONCRETE: 4,000 PSI @ 28 DAYS.  
2. REINFORCING: 60,000 PSI GRADE 60 DEFORMED BLACK BARS.  
3. EACH BOLLARD TO WEIGH 750# (0.18 CY).

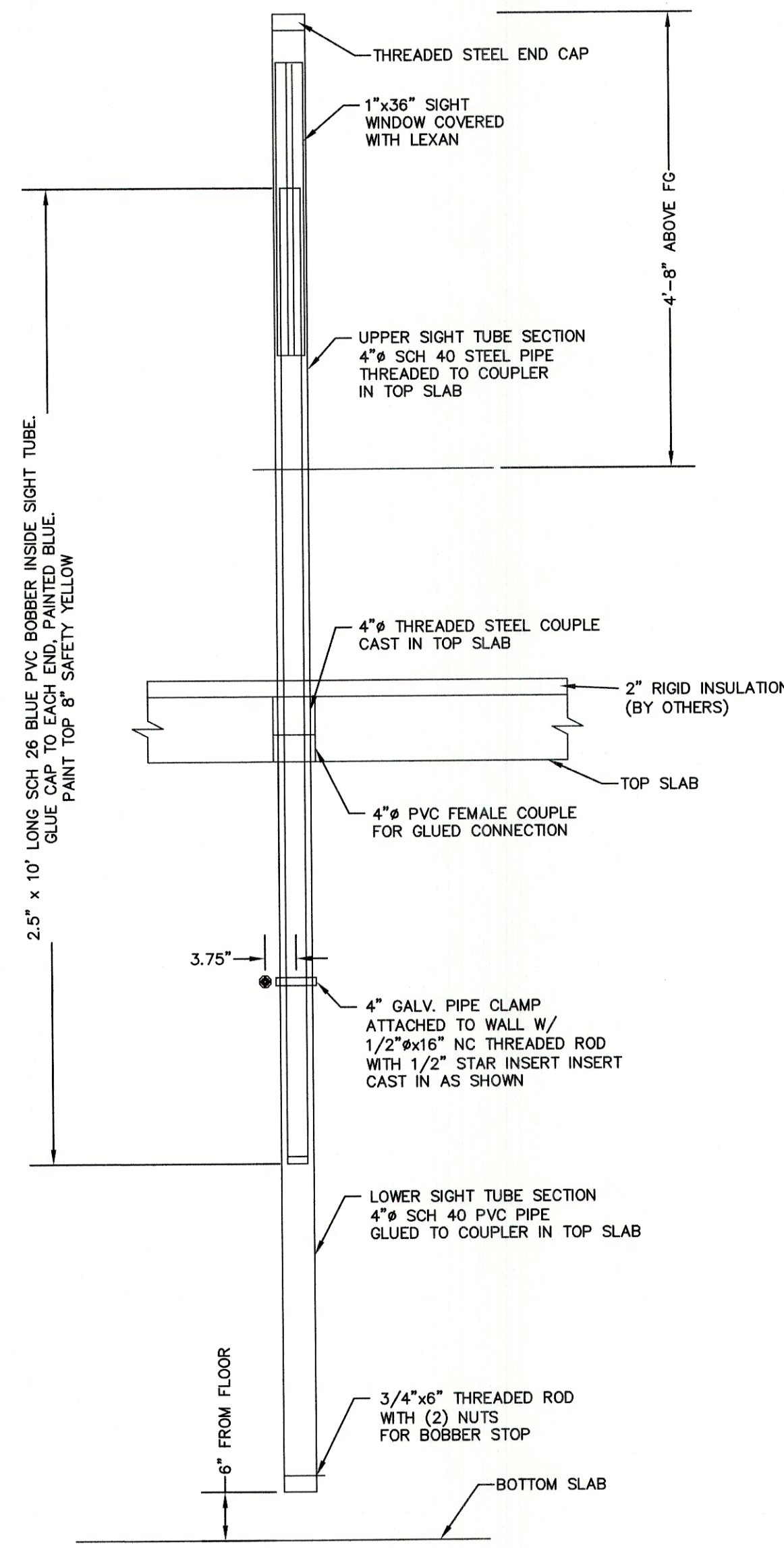
POLY SHEATHED PRECAST BOLLARD



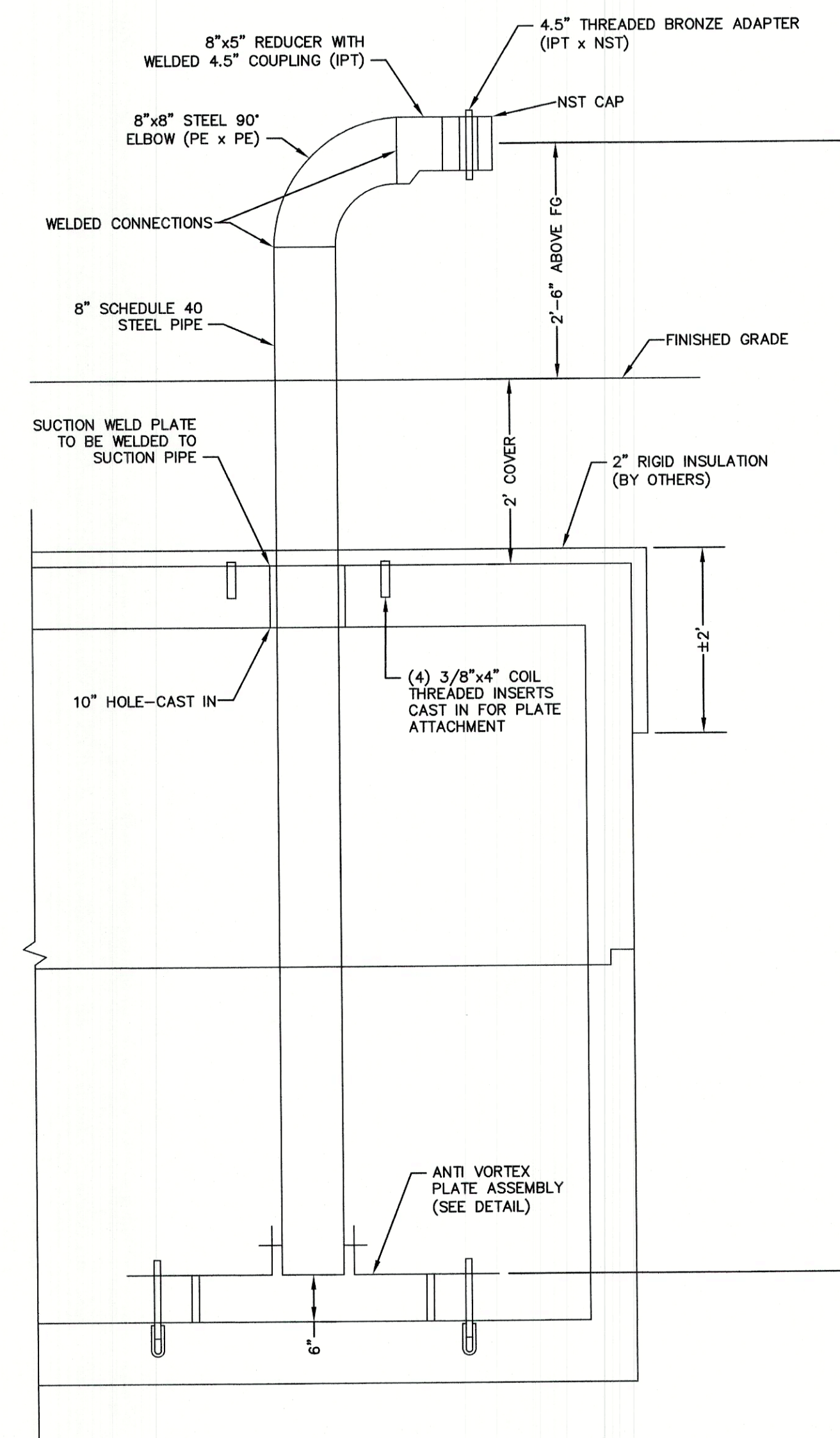
ANTI VORTEX PLATE DETAIL  
PLAN VIEW



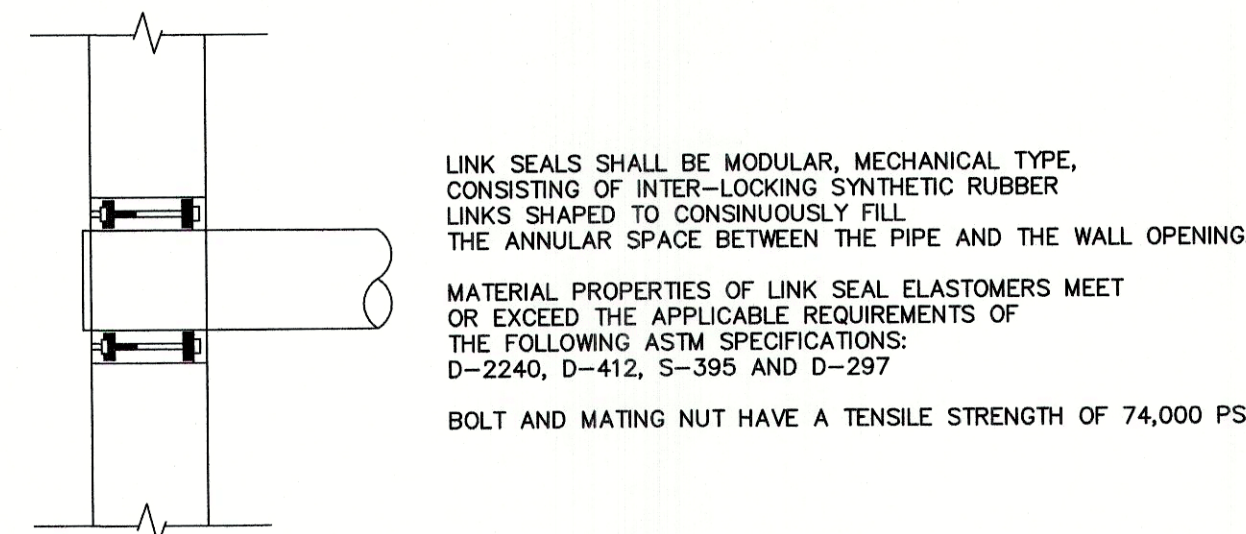
CONSEAL JOINT SEALANT DETAIL



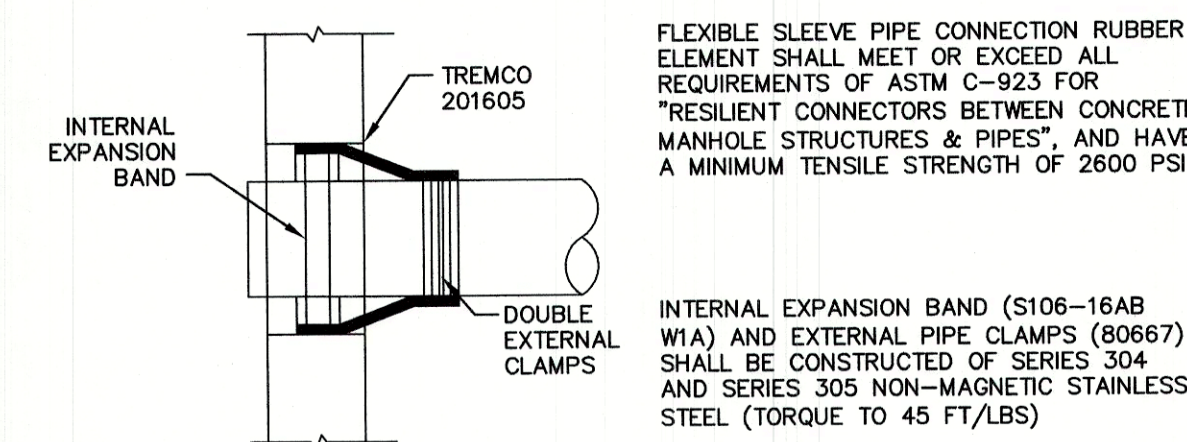
TYPICAL WATER FLOAT INDICATOR DETAIL



SUCTION ASSEMBLY DETAIL



TYPICAL LINK SEAL PIPE CONNECTION



TYPICAL FLEXIBLE SLEEVE PIPE CONNECTION DETAIL

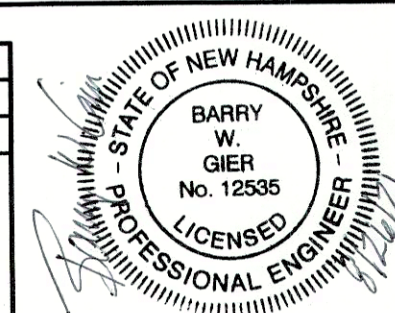
MITCHIE CORPORATION 30,000 GAL CISTERN COMPONENT DETAILS

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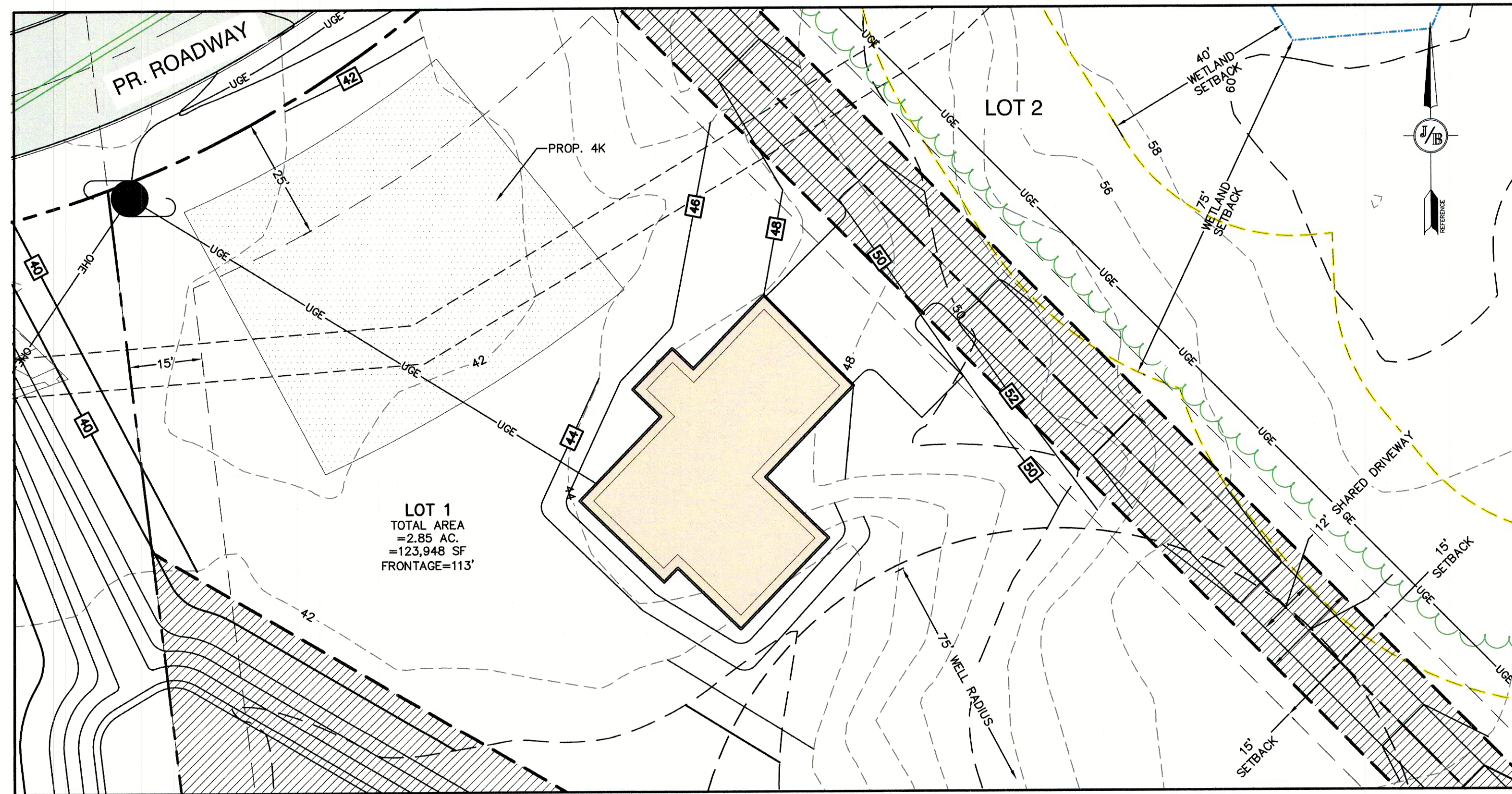
Plan Name:	DETAIL SHEET
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**D5**

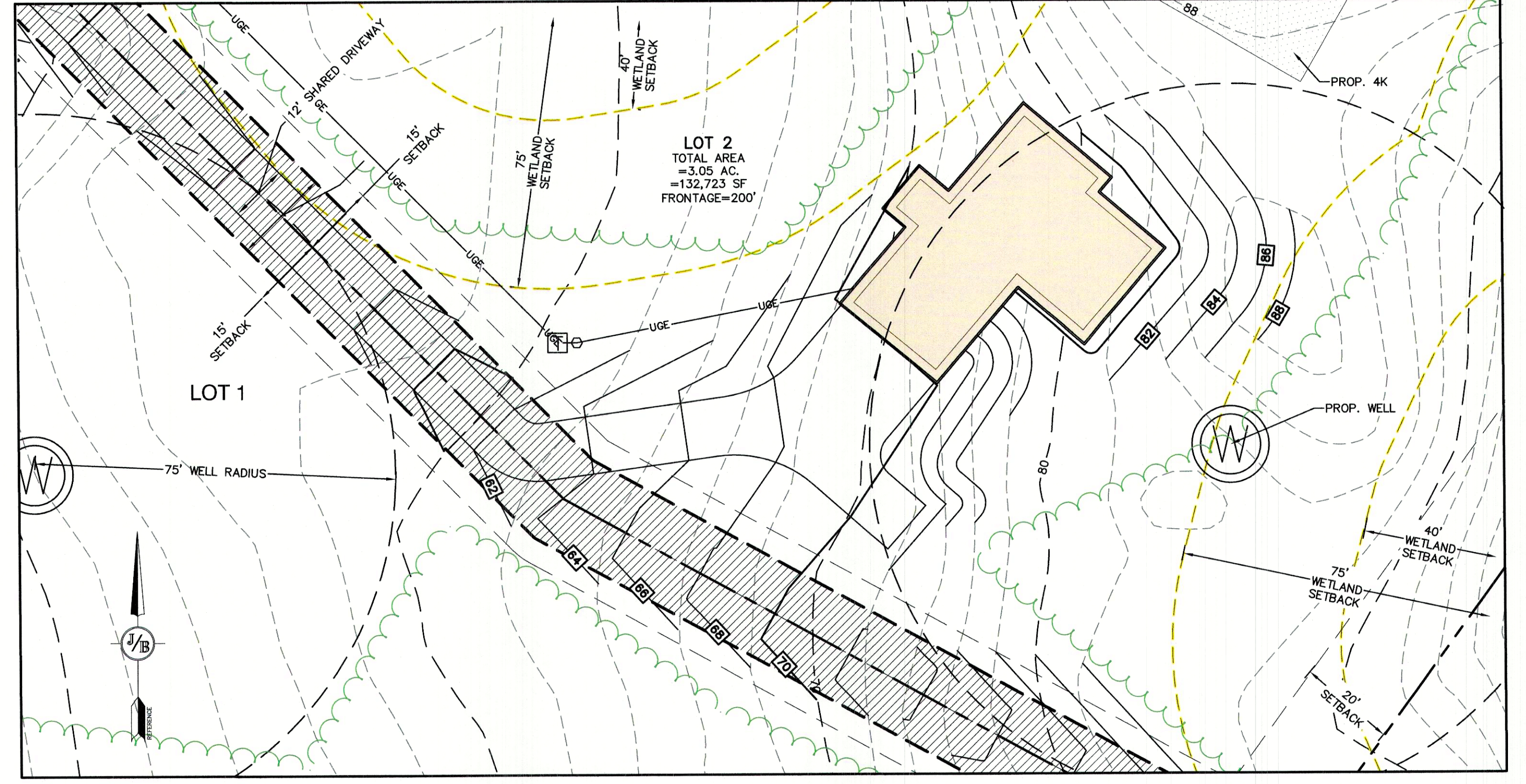
SHEET 25 OF 29  
JBE PROJECT NO. 19102





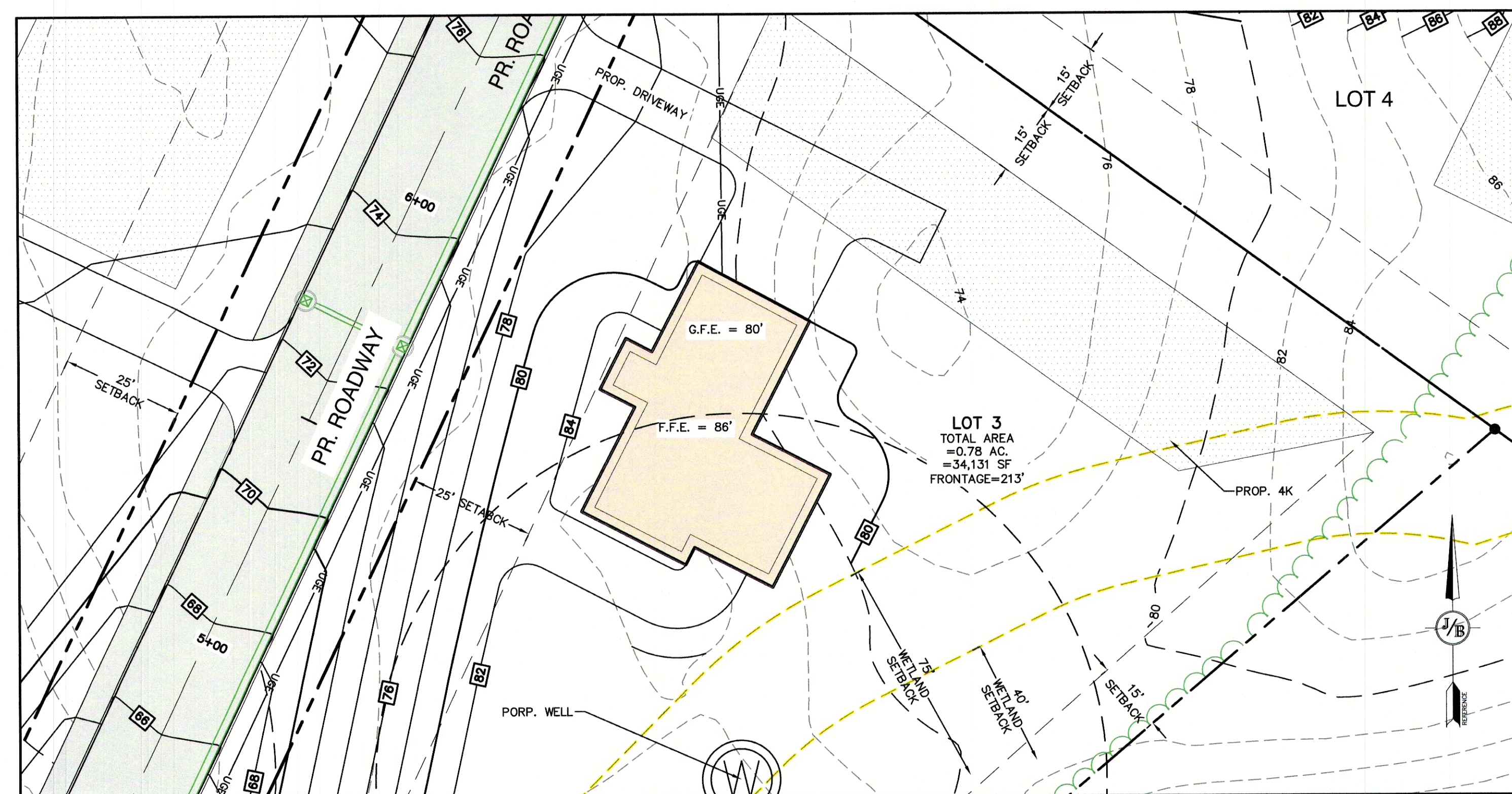
POTENTIAL LOT DEVELOPMENT- LOT 1

1"=20'



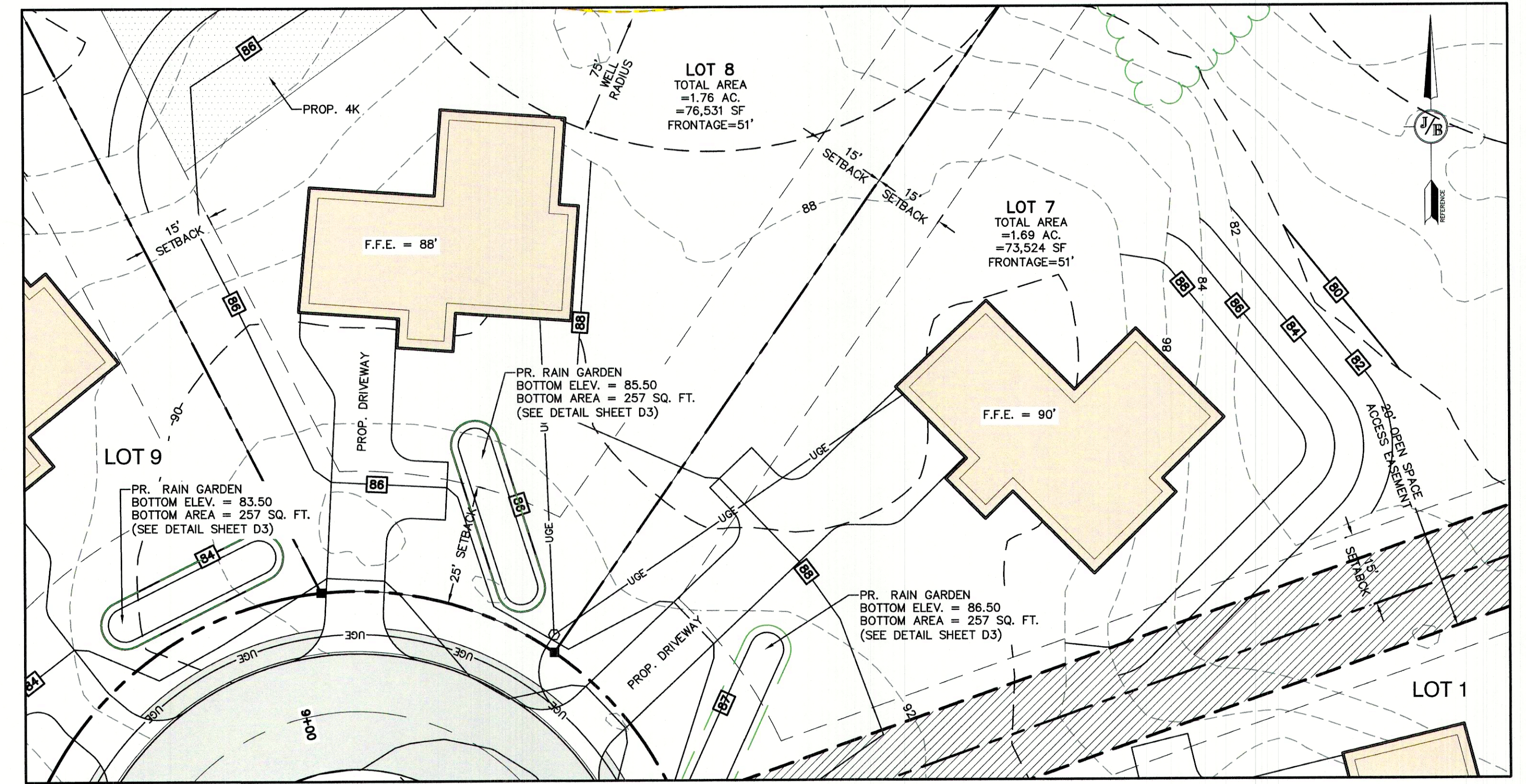
POTENTIAL LOT DEVELOPMENT- LOT 2

1"=20'



POTENTIAL LOT DEVELOPMENT- LOT 3

1"=20'

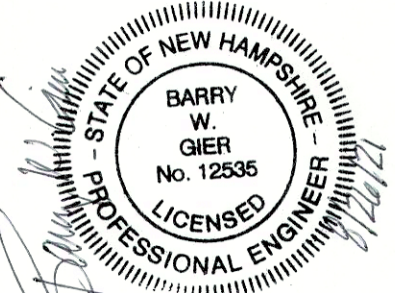


POTENTIAL LOT DEVELOPMENT- LOT 7 & LOT 8

1"=20'

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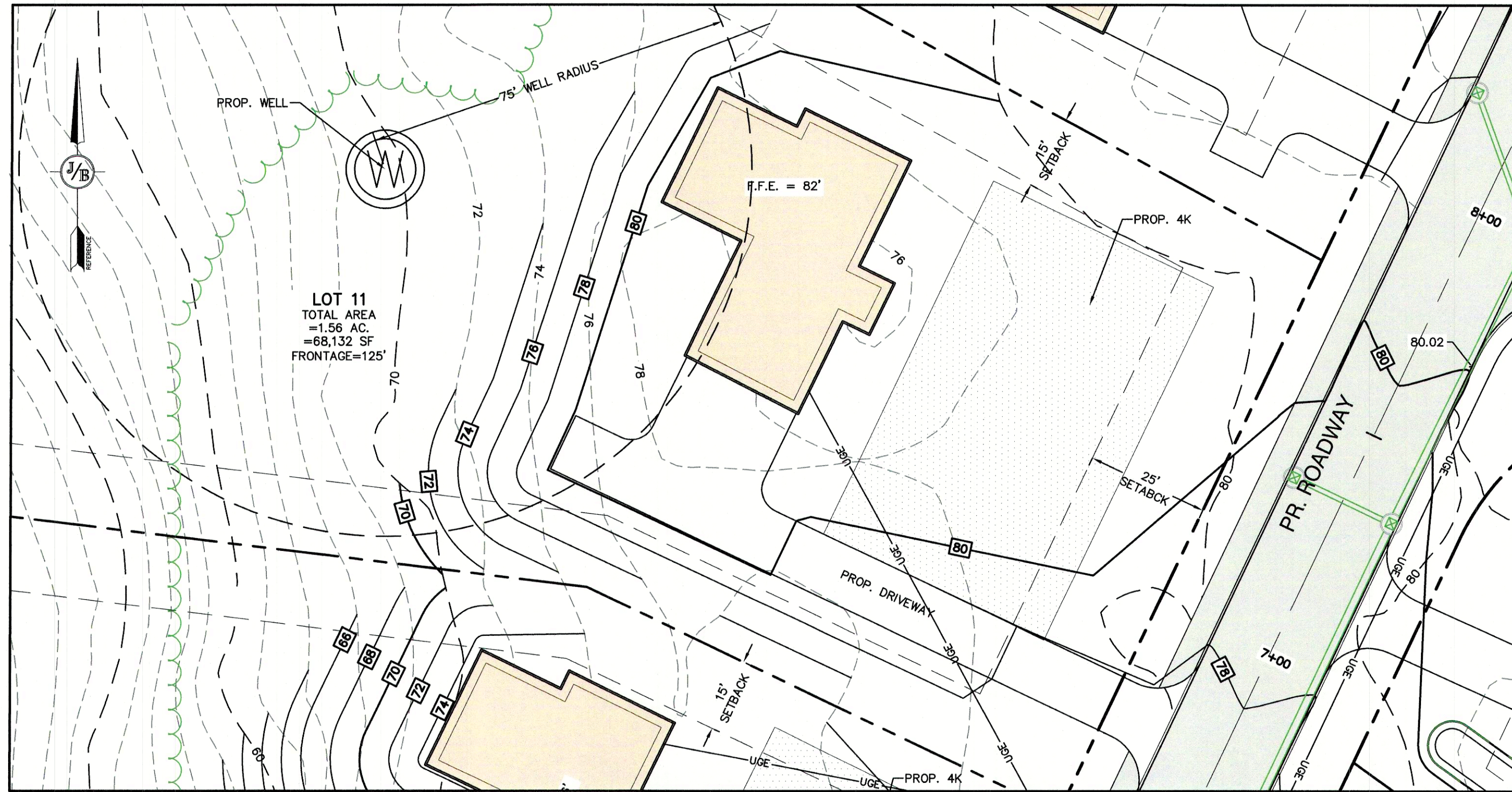
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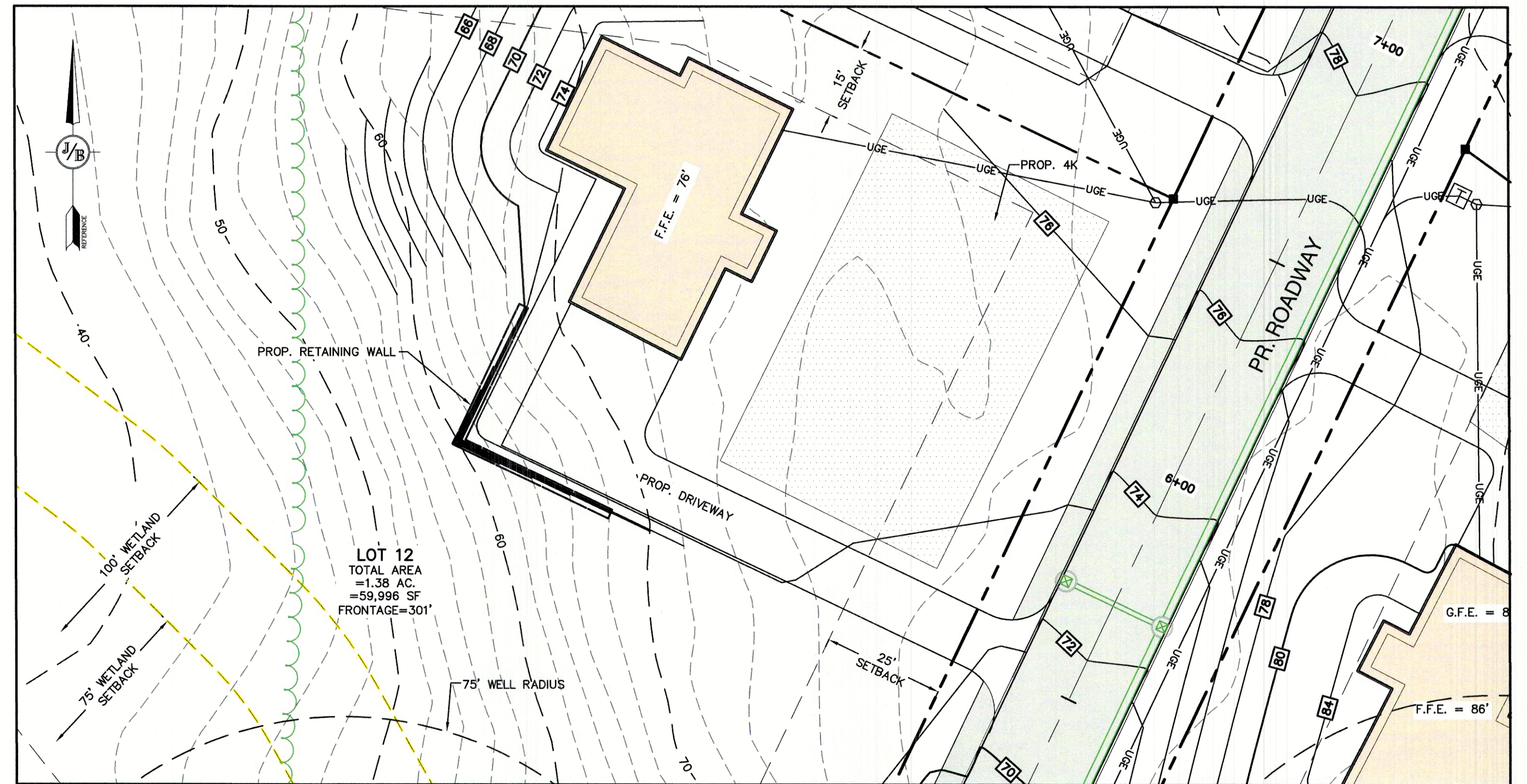
DRAWING No.  
**D6**  
 SHEET 26 OF 29  
 JBE PROJECT NO. 19102





POTENTIAL LOT DEVELOPMENT- LOT 11

1"=20'



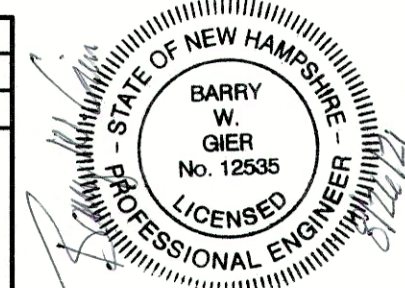
POTENTIAL LOT DEVELOPMENT- LOT 12

1"=20'

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SHEET 27 OF 29	JBE PROJECT NO. 19102



**TEMPORARY EROSION CONTROL NOTES**

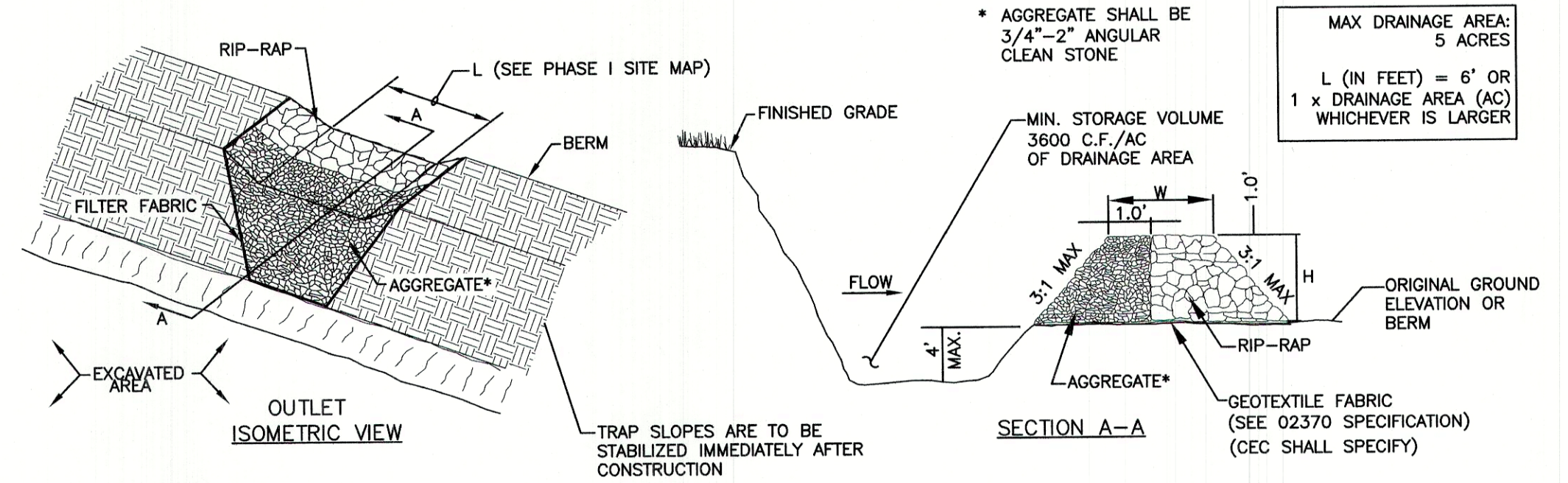
- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME. AT NO TIME SHALL AN AREA IN EXCESS OF 5 ACRES BE EXPOSED AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- 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).
- 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 BE PERIODICALLY REMOVED AND DISPOSED OF.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- 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. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
- 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.
- 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.
- AFTER OCTOBER 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.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
  - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
  - A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
  - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- FUGITIVE DUST CONTROL IS REQUIRED TO BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000, AND THE PROJECT IS TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR'S NAME, ADDRESS, AND PHONE NUMBER SHALL BE SUBMITTED TO DES VIA EMAIL (SEE BELOW).
- PRIOR TO CONSTRUCTION, A PHASING PLAN THAT DELINEATES EACH PHASE OF THE PROJECT SHALL BE SUBMITTED. ALL TEMPORARY SEDIMENT BASINS THAT WILL BE NEEDED FOR DEWATERING WORK AREAS SHALL BE LOCATED AND IDENTIFIED ON THIS PLAN.
- 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 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 OF ALTERATION OF TERRAIN ACTIVITIES UNTIL THE SITE IS IN FULL COMPLIANCE WITH THE SITE SPECIFIC PERMIT ("PERMIT").
  - DURING THIS PERIOD, THE MONITOR SHALL INSPECT THE SUBJECT SITE AT LEAST ONCE A WEEK, AND IF POSSIBLE, DURING ANY 1/4 INCH OR GREATER RAIN EVENT (I.E. 1/4 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.
  - THE MONITOR SHALL PROVIDE TECHNICAL ASSISTANCE AND RECOMMENDATIONS TO THE CONTRACTOR ON THE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS REQUIRED TO MEET THE REQUIREMENTS OF RSA 485 A:17 AND ALL APPLICABLE DES PERMIT CONDITIONS.

**SEEDING SPECIFICATIONS**

- GRADING AND SHAPING**
  - 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).
  - WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION**
  - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
  - 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.
- ESTABLISHING A STAND**
  - 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.)
  - 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.
  - REFER TO THE 'SEEDING GUIDE' AND 'SEEDING RATES' TABLES ON THIS SHEET FOR APPROPRIATE SEED MIXTURES AND RATES OF SEEDING. ALL LEGUMES (CROWNVETCH, BIRDSFOOT, TREFOL AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT PRIOR TO THEIR INTRODUCTION TO THE SITE.
  - 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.
- MULCH**
  - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
  - 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.
- MAINTENANCE TO ESTABLISH A STAND**
  - PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
  - 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.
  - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, ANNUAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

**MAINTENANCE NOTES:**

- SEDIMENT TRAPS MUST BE INSPECTED AND MUST BE CLEANED WHEN THE ORIGINAL CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR LESS, AS REQUIRED BY THE GOVERNING AGENCY.
- ALL MATERIAL EXCAVATED FROM BEHIND SEDIMENT BARRIERS OR FROM TRAPS SHALL BE INCORPORATED INTO ON-SITE SOILS OR SPREAD OUT ON AN UPLAND PORTION OF THE SITE AND STABILIZED.
- VERIFY THAT NO EROSION IS OCCURRING AT DISCHARGE POINTS TO AND FROM IMPOUNDMENTS AND VERIFY THAT TRAP SIDE SLOPES ARE STABILIZED AND SHOW NO SIGNS OF EROSION.
- THE TRAP SHALL BE INSTALLED AS CLOSE TO THE DISTURBED AREA OR SOURCE OF SEDIMENT AS POSSIBLE.
- TRAP TO BE CLEANED WHEN 50% OF ORIGINAL VOLUME IS FILLED.
- THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF AND STABILIZED.



**TEMPORARY SEDIMENT TRAP**

NOT TO SCALE

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	FAIR
	C	POOR	GOOD	EXCELLENT	GOOD
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.

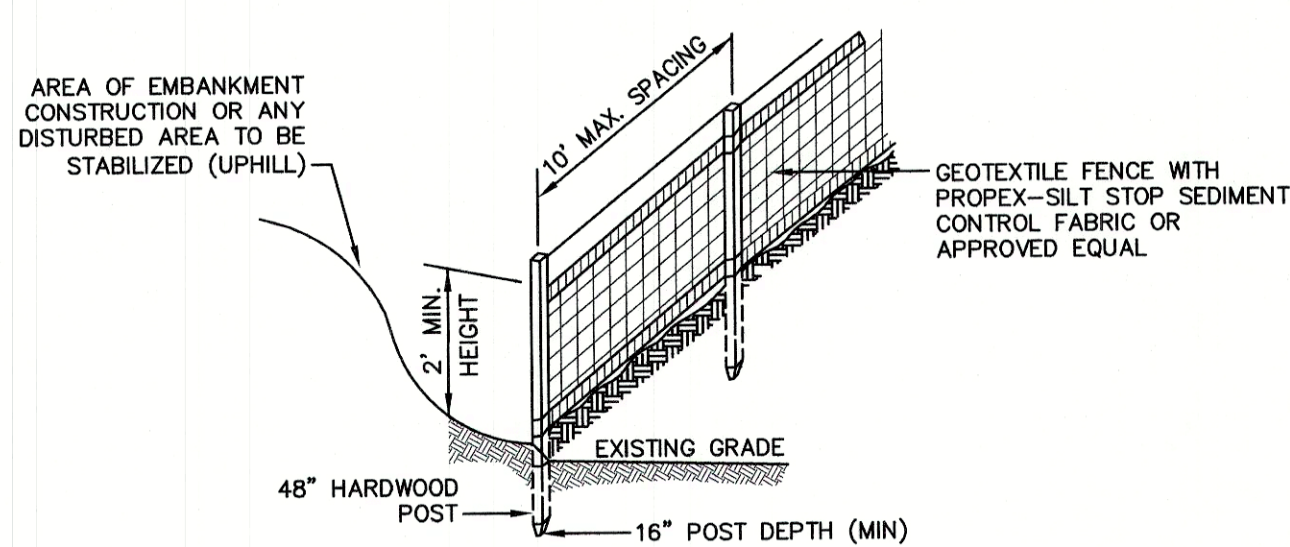
NOTE: TEMPORARY SEED MIX FOR STABILIZATION OF TURF SHALL BE WINTER RYE OR OATS AT A RATE OF 2.5 LBS. PER 1000 S.F. AND SHALL BE PLACED PRIOR TO OCTOBER 15th, IF PERMANENT SEEDING NOT YET COMPLETE.

**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	15	0.35
OR		
FLAT PEA	30	0.75
TOTAL	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**

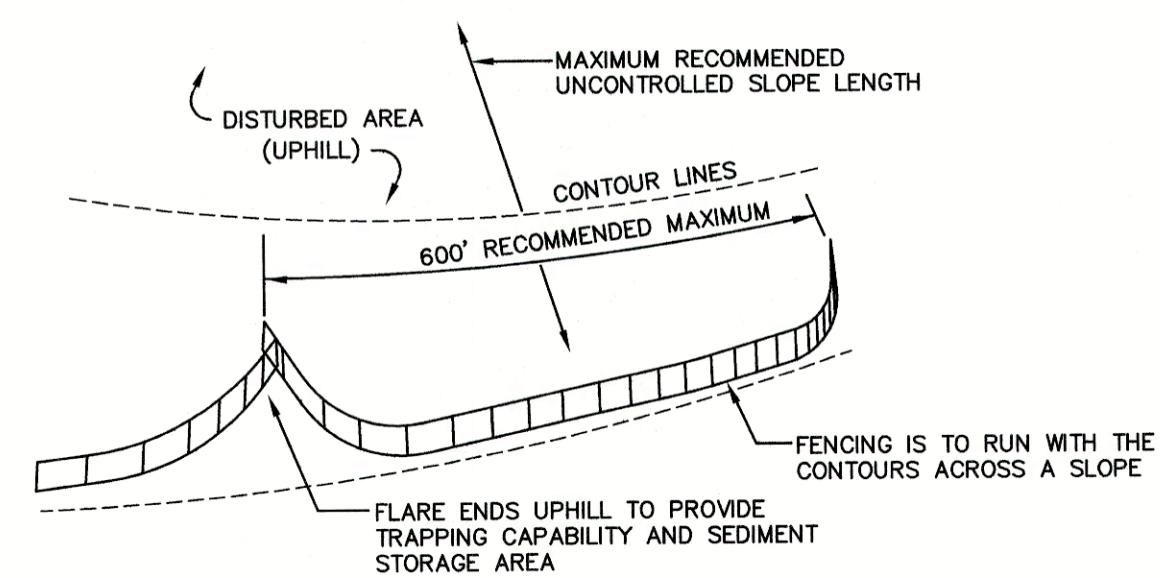


**CONSTRUCTION SPECIFICATIONS:**

- 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.
- THE FENCE POSTS SHALL BE A MINIMUM OF 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
- 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.
- 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.
- PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
- SILT FENCE SHALL REMAIN IN PLACE FOR 24 MONTHS.

**SILT FENCE**

NOT TO SCALE

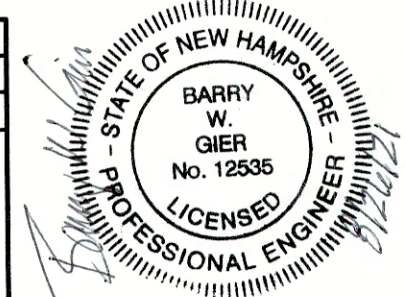


**MAINTENANCE:**

- 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.
- 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.
- 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.
- 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.

Design: BWG	Draft: DFP	Date: 08/26/2021
Checked: BWG	Scale: AS NOTED	Project No.: 19102
Drawing Name: 19102-PLAN.dwg		

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REV.	DATE	REVISION	BY
2	08/26/21	REVISED PER PB COMMENTS	BWG
1	03/30/21	REVISED PER TRC COMMENTS	BWG
0	12/22/20	ISSUED FOR REVIEW	BWG

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:	<b>EROSION AND SEDIMENT CONTROL DETAILS</b>
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

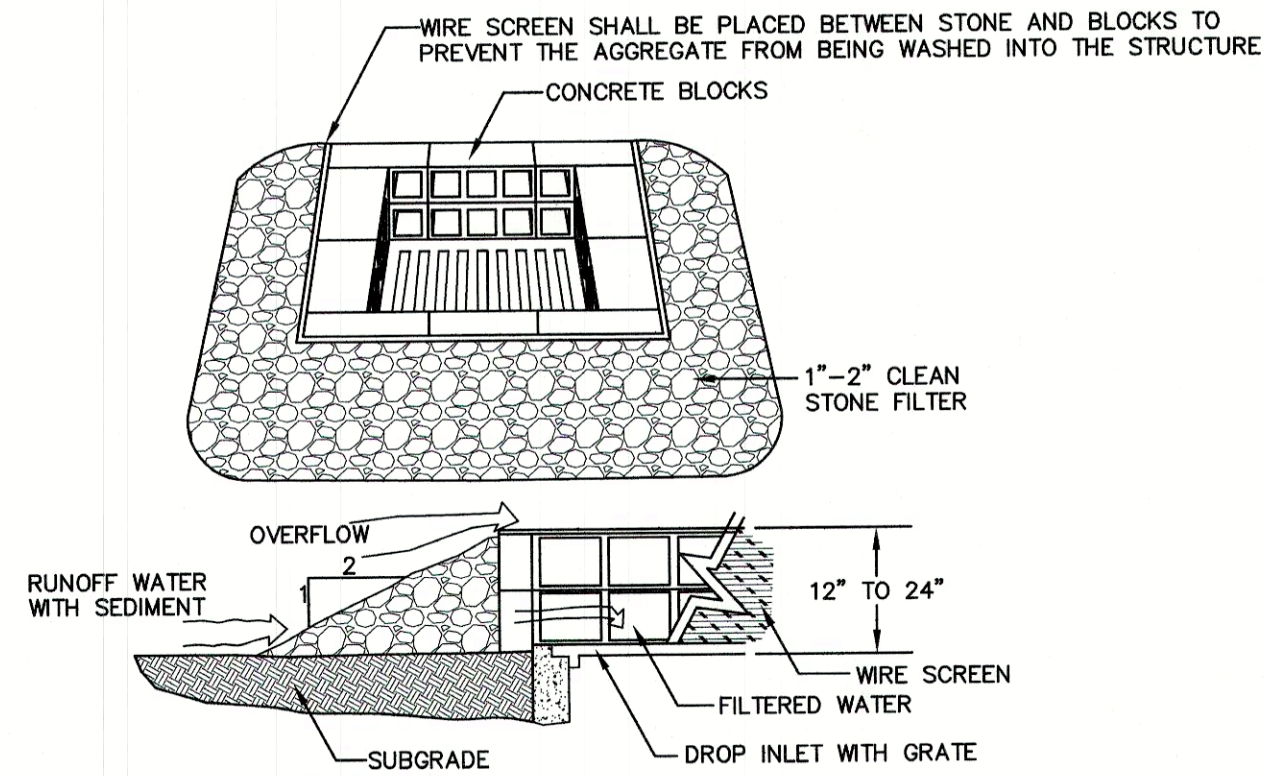
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**E1**

SHEET 28 OF 29  
JBE PROJECT NO. 19102

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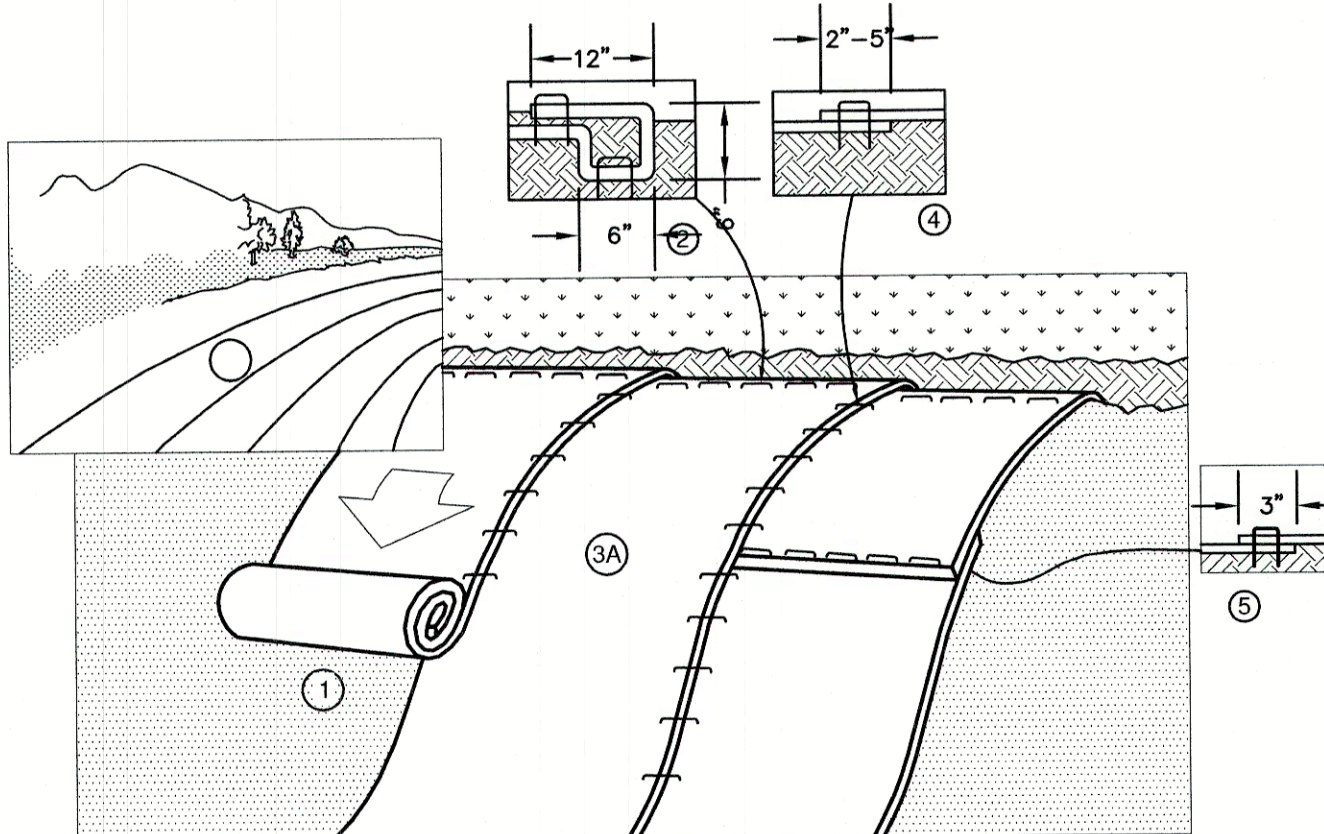




**MAINTENANCE NOTE:**  
 1. ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAINFALL AND REPAIRS MADE AS NECESSARY. SEDIMENT SHOULD BE REMOVED FROM TRAPPING DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE HALF THE DEPTH OF THE TRAP. THE SEDIMENT SHOULD BE DISPOSED IN A SUITABLE UPLAND AREA AND PROTECTED FROM EROSION BY EITHER STRUCTURE OR VEGETATIVE MEANS. THE TEMPORARY TRAPS SHOULD BE REMOVED AND THE AREA REPAIRED AS SOON AS THE CONTRIBUTING DRAINAGE AREA TO THE INLET HAS BEEN COMPLETELY STABILIZED.

**TEMPORARY CATCH BASIN INLET PROTECTION**  
 (Block and Gravel Drop Inlet Sediment Filter)

NOT TO SCALE

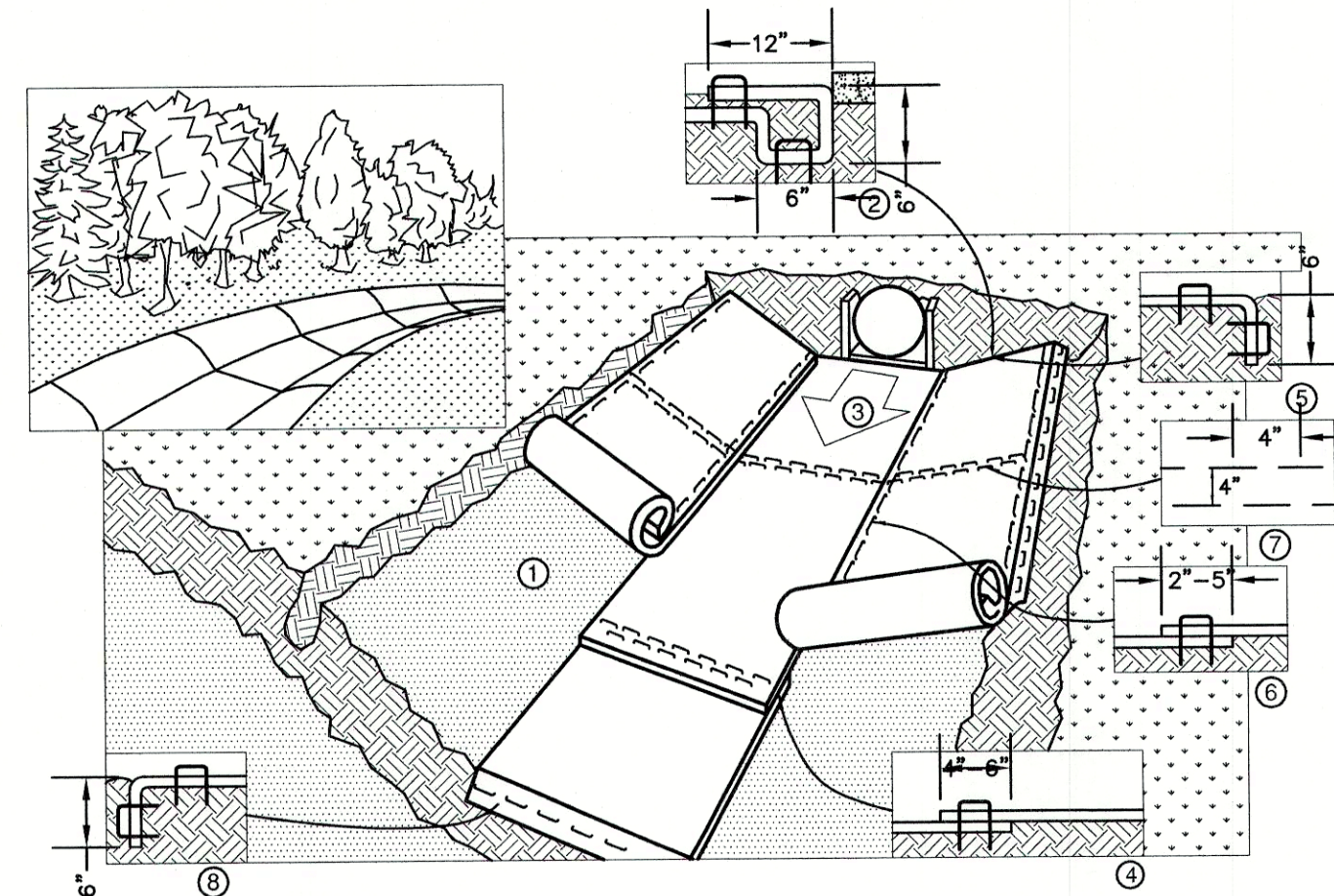


**NOTES:**  
 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.  
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.  
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.  
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.  
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH. NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

**NORTH AMERICAN GREEN**  
 14649 HIGHWAY 41 NORTH  
 EVANSVILLE, INDIANA 47725  
 1-800-772-2040

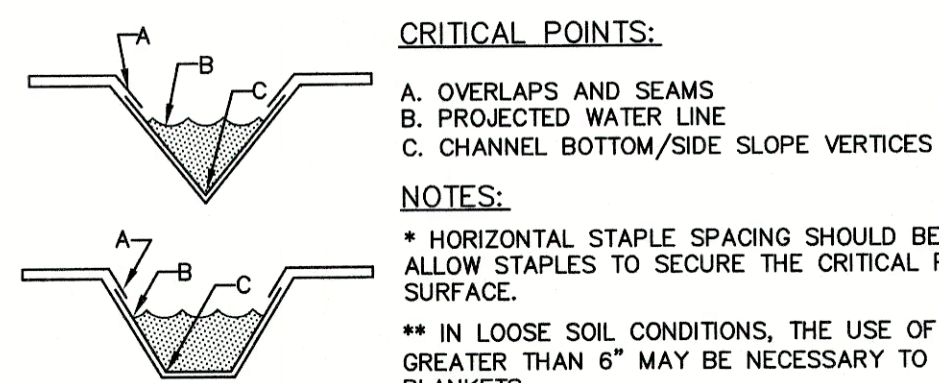
**EROSION CONTROL BLANKET SLOPE INSTALLATION**  
 (North American Green)

NOT TO SCALE



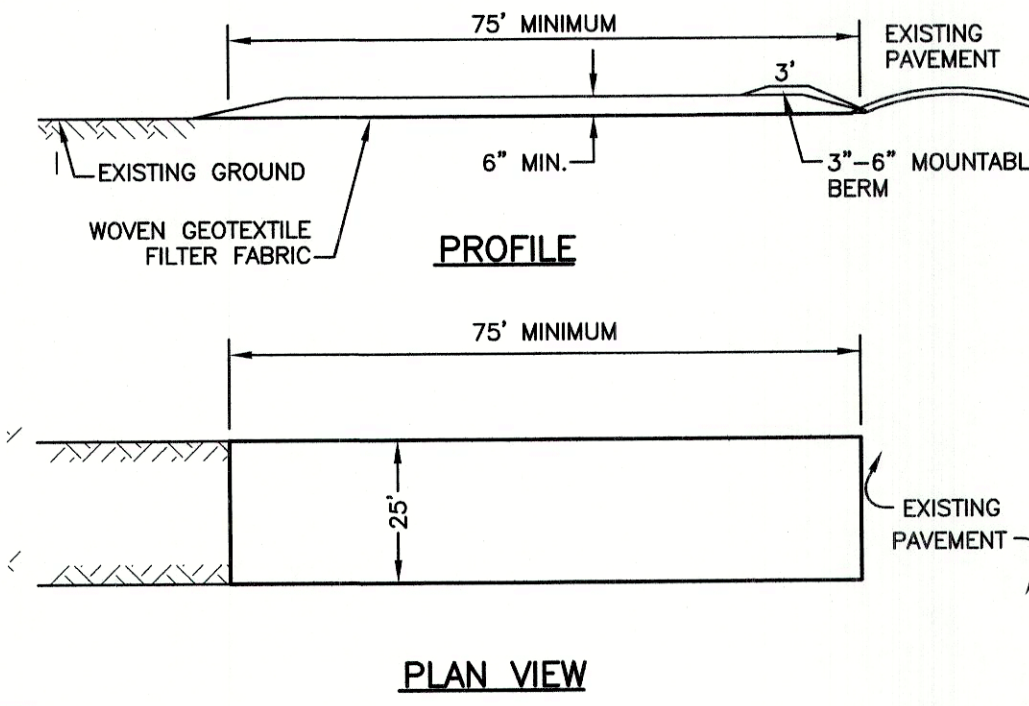
**NOTES:**  
 1. EROSION CONTROL BLANKET SHALL BE BIONET S75 AS PRODUCED BY NORTH AMERICAN GREEN (OR AN EQUIVALENT NATURAL MATERIAL MATTING THAT DOES NOT CONTAIN WOVEN OR BIODEGRADABLE PLASTICS. ALTERATION MUST BE APPROVED IN WRITING BY THE ENGINEER).  
 2. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.  
 3. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.  
 4. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.  
 5. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.  
 6. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.  
 7. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (DEPENDING ON BLANKET TYPE) AND STAPLED. TO INSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.  
 8. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.  
 9. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

**NORTH AMERICAN GREEN**  
 14649 HIGHWAY 41 NORTH  
 EVANSVILLE, INDIANA 47725  
 1-800-772-2040



**EROSION CONTROL BLANKET SWALE INSTALLATION**  
 (North American Green)

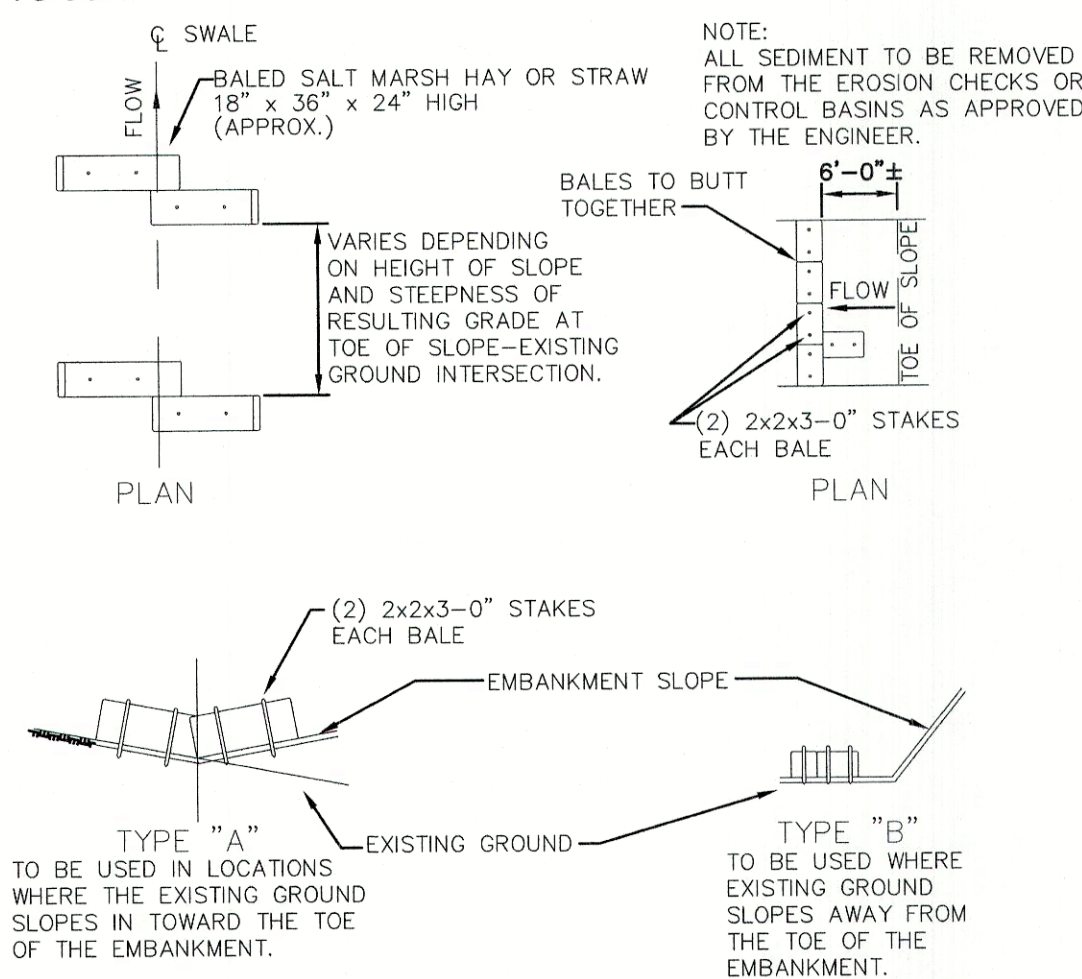
NOT TO SCALE



**NOTES:**  
 1. STONE FOR STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.  
 2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.  
 3. THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.  
 4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS, OR 10 FEET, WHICHEVER IS GREATER.  
 5. GEOTEXTILE FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER FABRIC IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENTIAL LOT.  
 6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A STONE BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.  
 7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

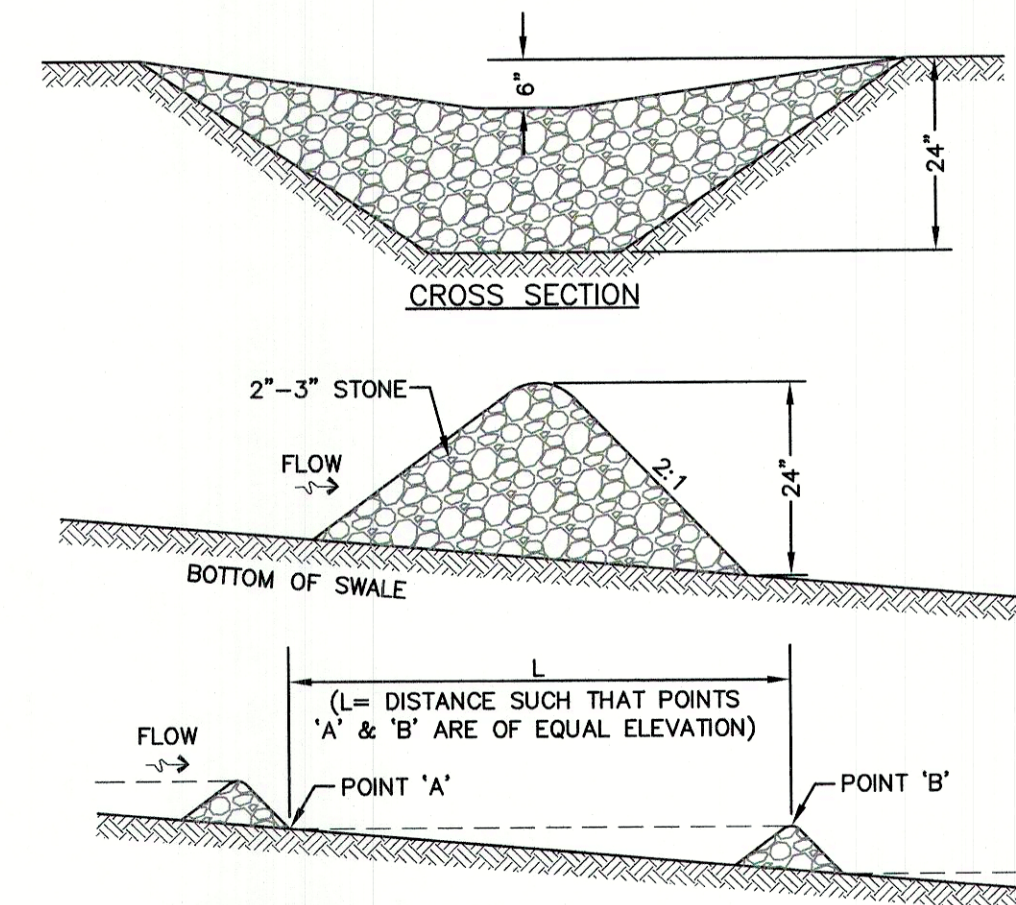
**STABILIZED CONSTRUCTION ENTRANCE**

NOT TO SCALE



**BALED HAY OR STRAW EROSION CHECK DETAIL**

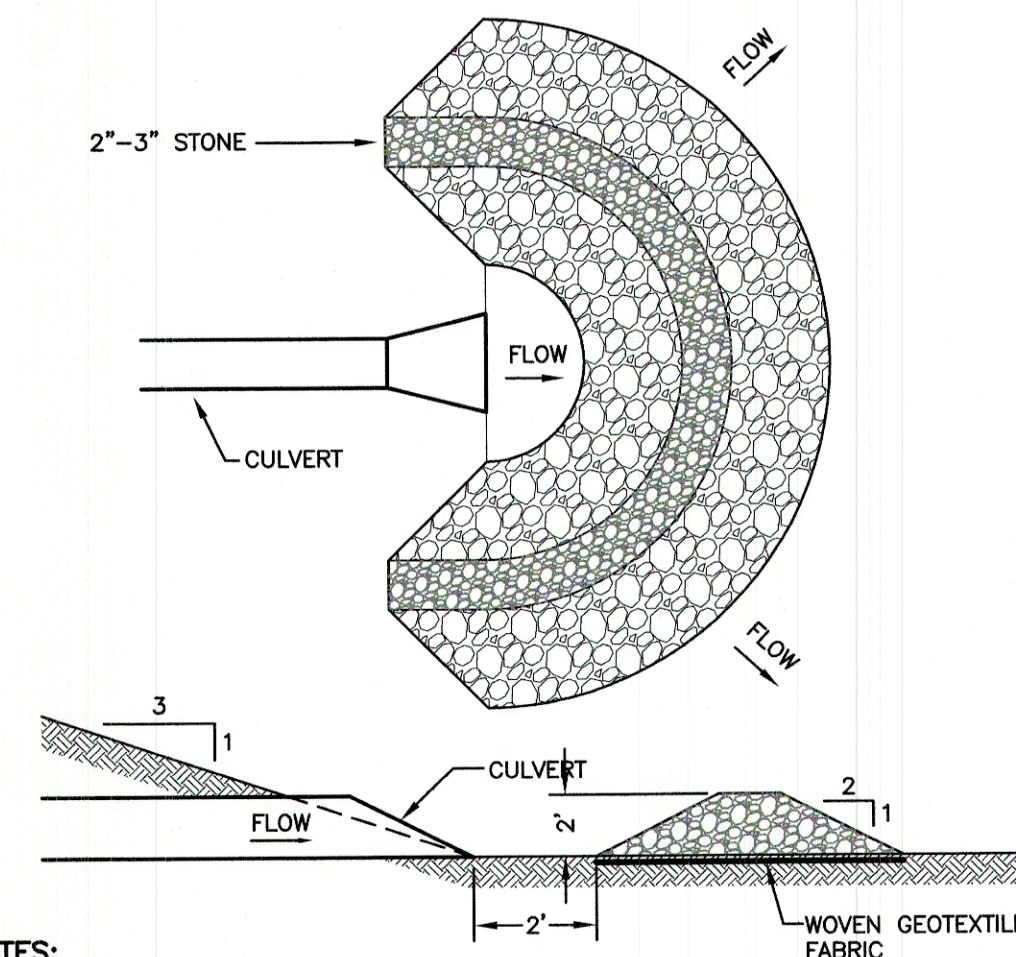
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**MAINTENANCE NOTE:**  
 1. STONE CHECK DAMS SHOULD BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY. PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE. WHEN THE STRUCTURES ARE REMOVED, THE DISTURBED PORTION SHOULD BE BROUGHT TO THE EXISTING CHANNEL GRADE AND THE AREAS PREPARED, SEEDED AND MULCHED. WHILE THIS PRACTICE IS NOT INTENDED TO BE USED PRIMARILY FOR SEDIMENT TRAPPING, SOME SEDIMENT WILL ACCUMULATE BEHIND THE STRUCTURES. SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE STRUCTURE.

**STONE CHECK DAM**

NOT TO SCALE



**NOTES:**  
 1. TEMPORARY CULVERT INLET PROTECTION CHECK DAMS SHALL BE CONSTRUCTED OF 2-3" STONE OVER WOVEN GEOTEXTILE FABRIC.  
 3. SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURE WHEN IT HAS ACCUMULATED TO ONE HALF THE ORIGINAL HEIGHT OF THE STRUCTURE.  
 4. STRUCTURE SHALL BE REMOVED WHEN THE SITE IS STABILIZED WITH THE PROPOSED RIP RAP FIELD. AREAS OUTSIDE THE RIP RAP FIELD ARE TO BE VEGETATED AND SMOOTHED.

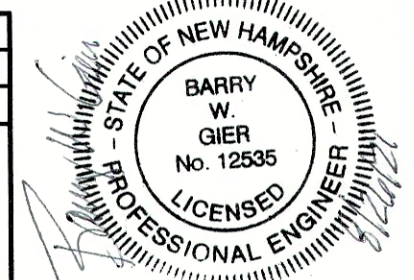
**TEMPORARY CULVERT OUTLET PROTECTION CHECK DAM**

NOT TO SCALE

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 Civil Engineering Services  
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 FAX: 603-772-0227  
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	EROSION AND SEDIMENT CONTROL DETAILS
Project:	TAX MAP 33 LOT 26 19 WATSON ROAD, EXETER, NH
Owner of Record:	SCOTT W. CARLISLE III 14 CASS STREET, EXETER, NH 03833

DRAWING No.  
**E2**  
 SHEET 29 OF 29  
 JBE PROJECT NO. 19102