

# COMMERCIAL SITE PLAN

## "ROCK IRON REPAIR"

### TAX MAP 265, LOT 11 & 12

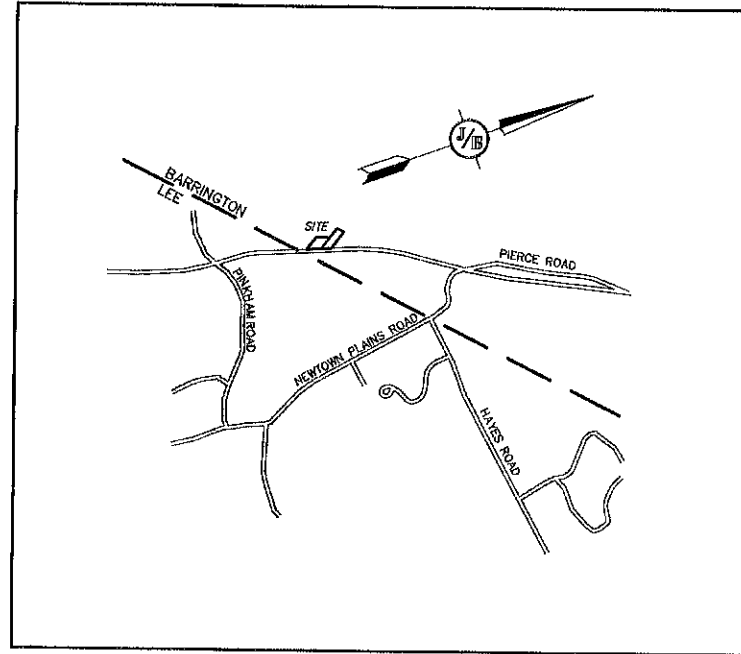
### CALEF HIGHWAY, BARRINGTON, NH

**PERMITS**

TYPE OF PERMIT	STATUS
<b>NH DOT DRIVEWAY PERMIT:</b> NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, DISTRICT SIX P.O. BOX 740 DURHAM, NEW HAMPSHIRE 03824 (603) 868-1133 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED:  PERMIT NO.  DATED:  EXPIRATION:
<b>BARRINGTON SITE PLAN APPROVAL:</b> TOWN OF BARRINGTON PLANNING BOARD 333 CALEF HIGHWAY BARRINGTON, NEW HAMPSHIRE 03826 (603)-664-5476 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED:  PERMIT NO.  DATED:  EXPIRATION:
<b>NHDES INDIVIDUAL SEPTIC PERMIT:</b> NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES - SUBSURFACE SYSTEMS BUREAU 29 HAZEN DRIVE, P.O. BOX 95 CONCORD, NEW HAMPSHIRE 03302-0095 DATED: (602)-271-3503 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED:  PERMIT NO.  EXPIRATION:
<b>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:</b> EPA STORMWATER NOTICE PROCESSING CENTER MAIL CODE 4203M, US EPA 1200 PENNSYLVANIA AVENUE, NW WASHINGTON, DC 20460 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	

**SHEET INDEX**

CS	COVER SHEET
C1	EXISTING CONDITIONS PLAN
C2	SITE PLAN
C3	GRADING AND DRAINAGE PLAN
L1	LIGHTING AND LANDSCAPE PLAN
HA1	HIGHWAY ACCESS PLAN
TM1	SITE CIRCULATION PLAN
D1-D2	DETAIL SHEETS
E1	EROSION AND SEDIMENT CONTROL DETAILS
S1	SEPTIC SYSTEM PLAN
ARCH1	BUILDING PLAN



**LOCUS MAP**  
SCALE 1" = 2000'

OWNER: JEFFREY SULLIVAN

**APPLICANT / DEVELOPER**  
JEFFREY SULLIVAN  
P.O. BOX 144  
224 OLD TURNPIKE ROAD  
WEST NOTTINGHAM, NH 03291  
(603) 817-1030  
EMAIL: ROCKIRONREPAIR@YAHOO.COM

**OWNER OF RECORD**  
JEFFREY SULLIVAN  
P.O. BOX 144  
224 OLD TURNPIKE ROAD  
WEST NOTTINGHAM, NH 03291  
(603)-817-1030  
EMAIL: ROCKIRONREPAIR@YAHOO.COM

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

**WETLAND CONSULTANT**  
GOVE ENVIRONMENTAL SERVICES, INC.  
8 CONTINENTAL DR.  
EXETER, NH 03833  
(603)-778-0644

**NOTES**

- THE INTENT OF THIS PLAN SET IS TO SHOW THE PROPOSED DEVELOPMENT OF THE TOWN OF BARRINGTON TAX MAP 265 LOTS 11 & 12 WITH A 3,480 SQ. FT. LIGHT INDUSTRIAL BUILDING.
- ZONING DISTRICT: REGIONAL COMMERCIAL (AQUIFER)  
LOT AREA MINIMUM = 40,000 SF  
LOT FRONTAGE MINIMUM = 200'  
BUILDING SETBACKS (MINIMUM):  
FRONT SETBACK = 75'  
SIDE SETBACK = 30'  
REAR SETBACK = 30'  
WETLAND SETBACK = 60'  
MAX. BUILDING HEIGHT = 40'  
MAX. LOT COVERAGE = 50%
- LOT COVERAGE CALCULATIONS:  
LOT AREA = 162,210 SF  
MAX. LOT COVERAGE = 50% = 76,105 SF  
PROPOSED LOT COVERAGE = 23.57% = 35,875 SF
- PARKING CALCULATIONS:  
REQUIRED:  
INDUSTRY AND LIGHT INDUSTRY= 1.5 SPACES/1000 SF  
WAREHOUSING= 1 SPACE/1000 SF  
= (3,480 SF/1000 SF) X 1.5 SPACES= 5.2 SPACES  
= (3,600 SF/1000 SF) X 1 SPACE= 3.6 SPACES  
= 8.8 SPACES  
TOTAL SPACES REQUIRED= 9 SPACES  
PROVIDED:  
TOTAL SPACES PROVIDED= 9 SPACES
- THE EXISTING SITE IS CURRENTLY UNDEVELOPED.
- PROJECT TO BE SERVICED BY ON-SITE WELL AND ON-SITE SEPTIC SYSTEM.
- EXPECTED TIME OF CONSTRUCTION: JUNE 2022 TO DEC. 2022
- THE SUBJECT PARCEL NOT IS LOCATED WITHIN AN AREA HAVING A SPECIAL FLOOD HAZARD ZONE DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 3301700200D, WITH EFFECTIVE DATE OF MAY 17, 2005.
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE OWNER SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.

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JUN 16 2022

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**PROJECT PARCEL**  
TOWN OF BARRINGTON  
TAX MAP 265, LOTS 11 & 12

**APPLICANT/OWNER**  
JEFFREY SULLIVAN  
224 OLD TURNPIKE ROAD  
WEST NOTTINGHAM, NH 03291

**TOTAL LOT AREA**  
162,210 SQ. FT.  
3.494 ACRES

APPROVED - BARRINGTON, NH  
PLANNING BOARD

DATE:

Design: BWG	Draft: DFP	Date: 06/14/22
Checked: BWG	Scale: AS NOTED	Project No.: 21206
Drawing Name: 21206-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	6/14/22	REVISED PER CMA REVIEW	BWG
1	6/2/22	REVISED PER PB COMMENTS	BWG
0	3/16/22	ISSUED FOR REVIEW	BWG

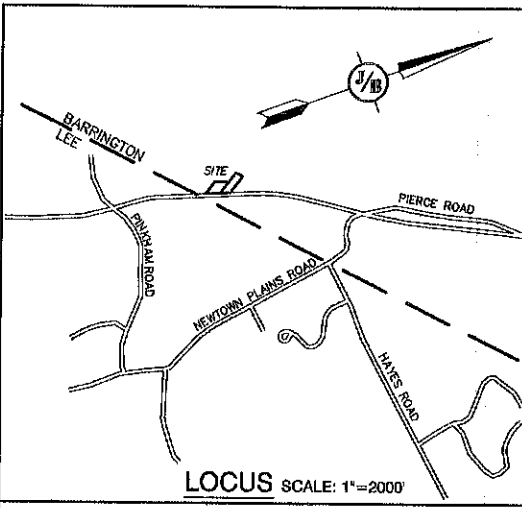
Designed and Produced In NH

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

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

Plan Name:	<b>COVER SHEET</b>
Project:	<b>ROCK IRON REPAIR CALEF HIGHWAY, BARRINGTON, NH</b>
Owner of Record:	<b>JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291</b>

DRAWING No.	<b>CS</b>
SHEET 1 OF 11 JBE PROJECT NO. 21206	

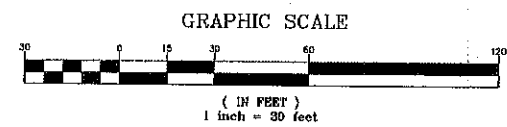


**NOTES:**

- THE INTENT OF THIS PLAN IS TO SHOW THE BOUNDARY AND EXISTING CONDITIONS OF LOTS 11 AND 12 AS SHOWN ON TOWN OF BARRINGTON TAX MAP 265.
- ZONING DISTRICT: REGIONAL COMMERCIAL (AQUIFER)  
 LOT AREA MINIMUM = 40,000 SF  
 LOT FRONTAGE MINIMUM = 200'  
 BUILDING SETBACKS (MINIMUM):  
 FRONT SETBACK = 75'  
 SIDE SETBACK = 30'  
 REAR SETBACK = 30'  
 WETLAND SETBACK = 50'  
 MAX. BUILDING HEIGHT = 40'  
 MAX. LOT COVERAGE = 80%
- 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 811-SAFE AT 1-888-080-SAFE.
- THE SUBJECT PARCEL NOT IS LOCATED WITHIN AN AREA HAVING A SPECIAL FLOOD HAZARD ZONE DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 33017C0250, WITH EFFECTIVE DATE OF MAY 17, 2005.
- BASIS OF BEARING: HORIZONTAL - MAGNETIC PER PLAN REF 1. VERTICAL - ASSUMED.
- 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 STRAFFORD COUNTY REGISTRY OF DEEDS.
- THE TAX MAP AND LOT NUMBERS ARE BASED ON THE TAX RECORDS OF THE TOWN OF BARRINGTON, AND ARE SUBJECT TO CHANGE.
- RESEARCH WAS PERFORMED AT THE TOWN OF BARRINGTON ASSESSOR'S OFFICE, THE STRAFFORD COUNTY REGISTRY OF DEEDS, AND THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
- 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 GOVE ENVIRONMENTAL SERVICES IN NOVEMBER, 2021 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.
- 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.

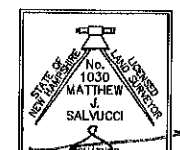
**PLAN REFERENCES:**

- "SUBDIVISION PLAN, HARRY GOODSTEIN, BARRINGTON, N.H." DATED JUNE, 1987, PREPARED BY FREDERICK E. DREW ASSOCIATES. S.C.R.D. PLAN 32-2.
- "BOUNDARY PLAT, LANDS OF SAT SR. LIMITED PARTNERSHIP, BARRINGTON, NH." DATED AUGUST 27, 2001. PREPARED BY TODD LAND USE CONSULTANTS. S.C.R.D. PLANS 03-32 AND 63-34.
- "SITE PLAN OF LAND PREPARED FOR RICHARD OULET LOCATED AT ROUTE 125, BARRINGTON, NH." DATED JULY 19, 1988. PREPARED BY LITTLE RIVER SURVEY COMPANY. S.C.R.D. PLAN 58-28.
- STATE OF NEW HAMPSHIRE STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED U.S. WORKS PROGRAM HIGHWAY PROJECT NO. WPS 274. ON FILE WITH THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, DATED MAY 7, 1936.

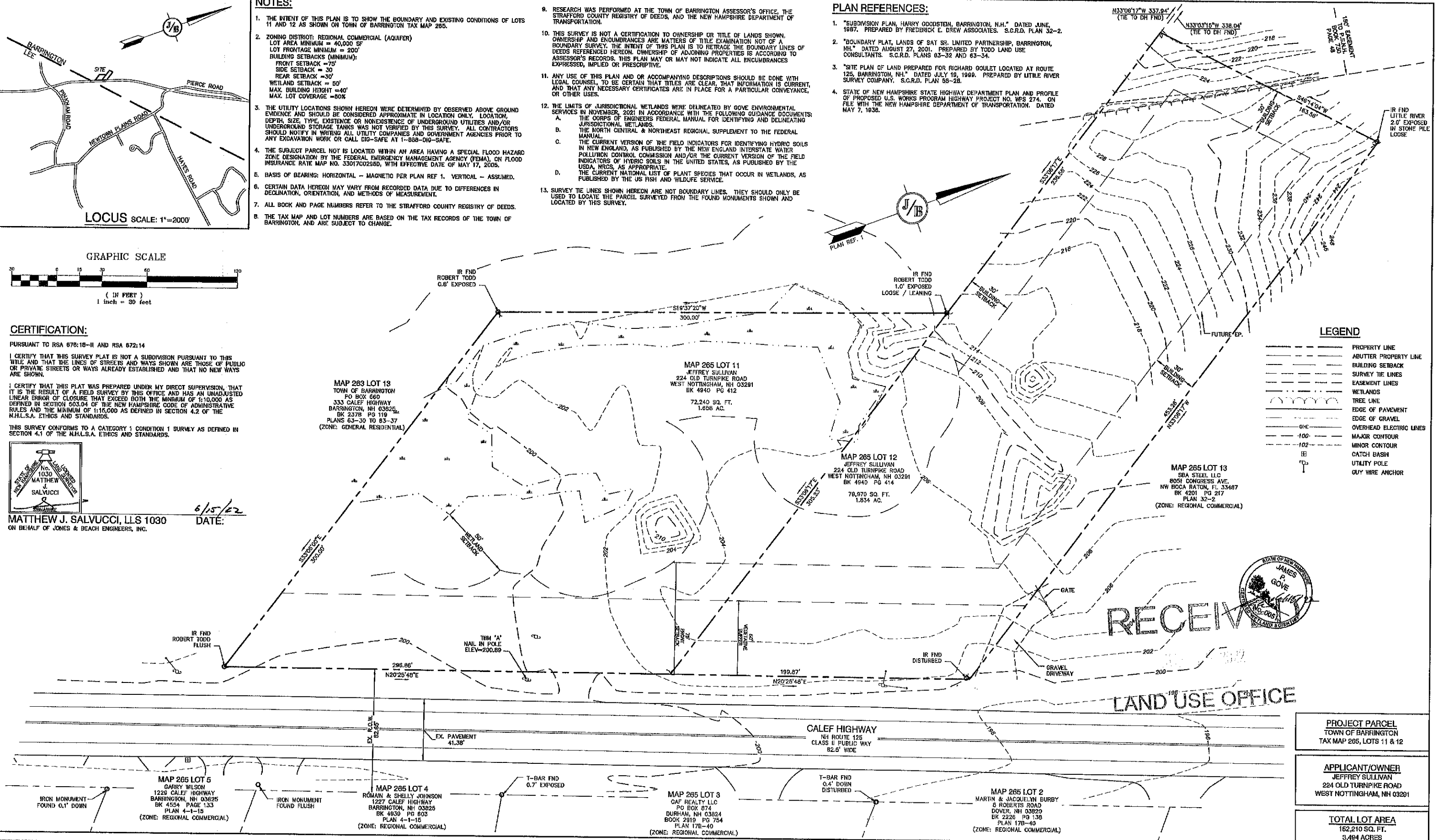


**CERTIFICATION:**

PURSUANT TO RSA 678:10-III AND RSA 672:14  
 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.  
 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 603.04 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.



MATTHEW J. SALVUCCI, LLS 1030  
 ON BEHALF OF JONES & BEACH ENGINEERS, INC.  
 DATE: 6/15/22



**LEGEND**

- PROPERTY LINE
- ABUTTER PROPERTY LINE
- BUILDING SETBACK
- SURVEY TIE LINES
- EASEMENT LINES
- WETLANDS LINES
- TREE LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD ELECTRIC LINES
- MAJOR CONTOUR
- MINOR CONTOUR
- CATCH BASIN
- UTILITY POLE
- GUY WIRE ANCHOR

**RECEIVED**  
 LAND USE OFFICE



Design: BWG	Draft: DFP	Date: 05/25/22
Checked: BWG	Scale: 1" = 30'	Project No.: 21206
Drawing Name: 21206-PLAN.dwg		
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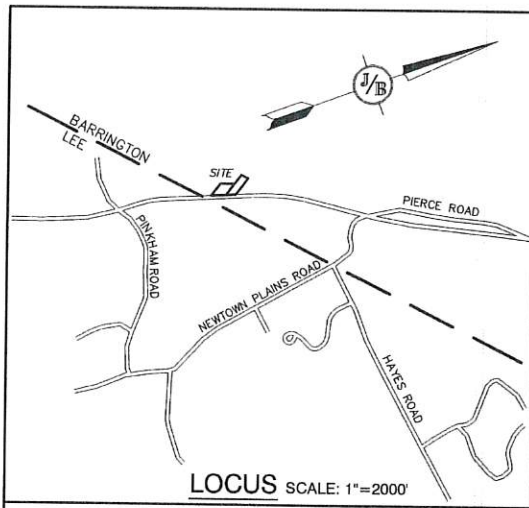
REV.	DATE	REVISION	BY
2	6/14/22	REVISED PER CMA REVIEW	BWG
1	5/2/22	REVISED PER PB COMMENTS	BWG
0	3/15/22	ISSUED FOR REVIEW	BWG

Designed and Produced in NH  
**J/B Jones & Beach Engineers, Inc.**  
 85 Portsmouth Ave. Civil Engineering Services 603-772-4748  
 PO Box 218 Stratham, NH 03885 FAX: 603-772-0227  
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	<b>EXISTING CONDITIONS PLAN</b>
Project:	<b>ROCK IRON REPAIR CALEF HIGHWAY, BARRINGTON, NH</b>
Owner of Record:	<b>JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291</b>

DRAWING No.  
**C1**  
 SHEET 2 OF 10  
 JBE PROJECT NO. 21206

<b>PROJECT PARCEL</b> TOWN OF BARRINGTON TAX MAP 265, LOTS 11 & 12
<b>APPLICANT/OWNER</b> JEFFREY SULLIVAN 224 OLD TURNPIKE ROAD WEST NOTTINGHAM, NH 03201
<b>TOTAL LOT AREA</b> 162,210 SQ. FT. 3.494 ACRES

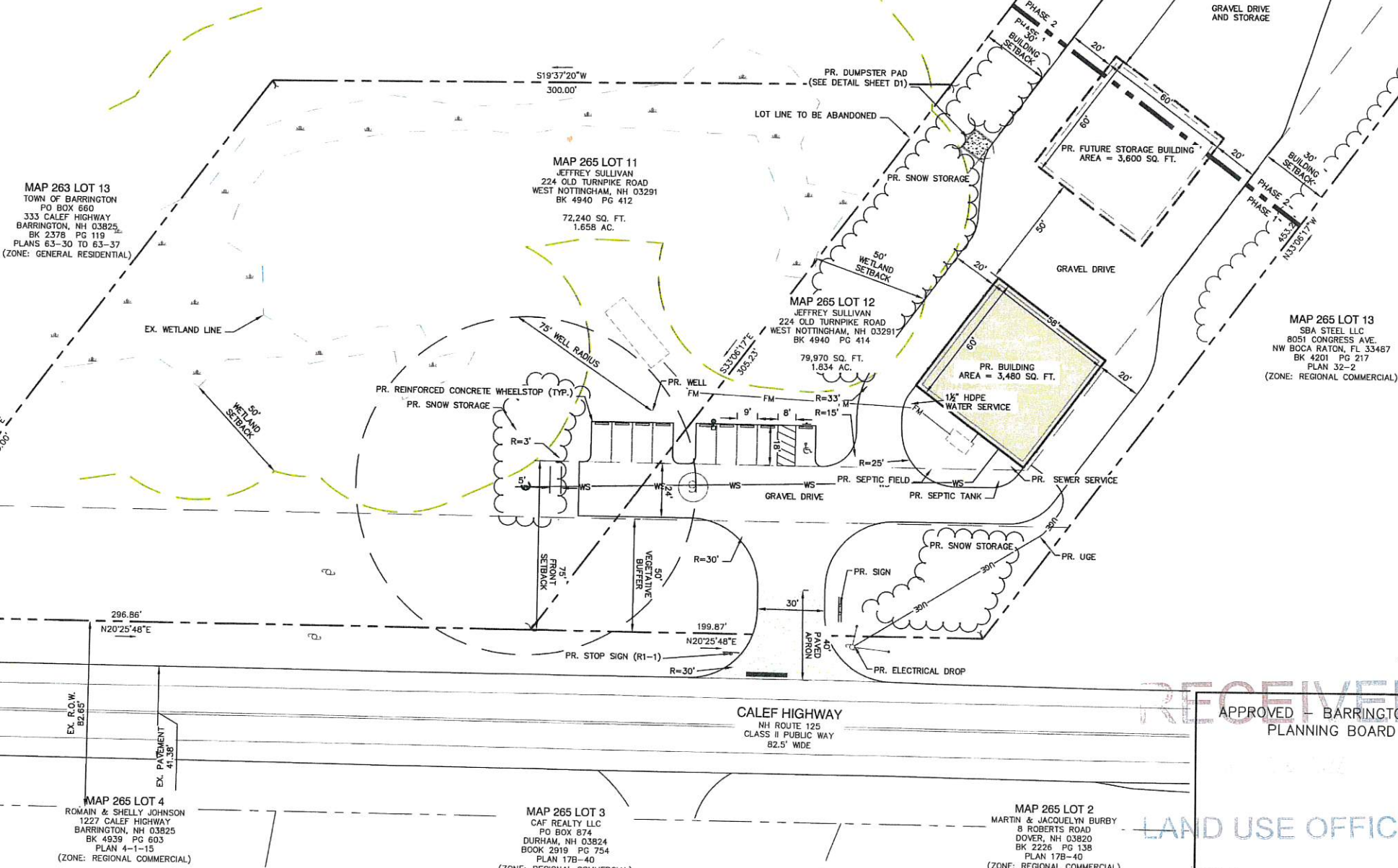
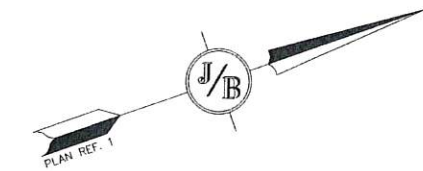
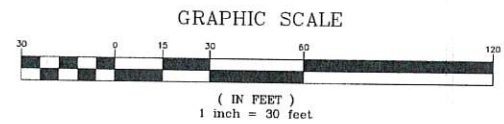


**SITE NOTES:**

- THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED DEVELOPMENT OF THE TOWN OF BARRINGTON TAX MAP 265 LOTS 11 & 12 WITH A 3,480 SQ. FT. LIGHT INDUSTRIAL BUILDING PROJECT TO BE SERVICED BY ON-SITE WELL AND SEPTIC.
- ZONING DISTRICT: REGIONAL COMMERCIAL (AQUIFER)  
 LOT AREA MINIMUM = 40,000 SF  
 LOT FRONTAGE MINIMUM = 200'  
 BUILDING SETBACKS (MINIMUM):  
 FRONT SETBACK = 75'  
 SIDE SETBACK = 30'  
 REAR SETBACK = 30'  
 WETLAND SETBACK = 50'  
 MAX. BUILDING HEIGHT = 40'  
 MAX. LOT COVERAGE = 50%
- LOT COVERAGE CALCULATIONS:  
 LOT AREA = 152,210 SF  
 MAX. LOT COVERAGE = 50% = 76,105 SF  
 PROPOSED LOT COVERAGE = 23.57% = 35,875 SF
- PARKING CALCULATIONS:  
 REQUIRED:  
 INDUSTRY AND LIGHT INDUSTRY = 1.5 SPACES/1000 SF  
 WAREHOUSING = 1 SPACE/1000 SF  
 = (3,480 SF/1000 SF) X 1.5 SPACES = 5.2 SPACES  
 = (3,600 SF/1000 SF) X 1 SPACE = 3.6 SPACES  
 = 8.8 SPACES  
 TOTAL SPACES REQUIRED = 9 SPACES  
 PROVIDED:  
 TOTAL SPACES PROVIDED = 9 SPACES
- TOTAL BUILDING FOOTPRINT = 7,080 S.F.  
 TOTAL PAVED AREA = 1,346 S.F.  
 TOTAL GRAVEL AREA = 27,052 S.F.  
 TOTAL DISTURBANCE = 75,356 S.F.  
 TOTAL DISTURBANCE IN 50' WETLAND BUFFER = 1,598 S.F.
- NHDOT DRIVEWAY 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. CONTRACTOR TO ALWAYS CONTACT DIG SAFE PRIOR TO DIGGING ON-SITE OR OFF-SITE TO ENSURE SAFETY AND OBEY THE LAW.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SITE REVIEW REGULATIONS, AND NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WHICHEVER IS MORE STRINGENT.
- SUBJECT PROPERTY IS NOT LOCATED WITHIN FEDERALLY DESIGNATED 100 YEAR FLOOD HAZARD ZONE (ELEVATION 9 NGVD 1929). REFERENCE FEMA COMMUNITY PANEL NO. 330132 0012 B, DATED JULY 3, 2005.
- LANDOWNERS ARE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING PERMITTING REQUIRED UNDER THESE REGULATIONS.
- ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.P.). THIS DOCUMENT IS TO BE KEPT ON-SITE AT ALL TIMES AND UPDATED AS REQUIRED.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER, ARCHITECT AND/OR OWNER, IN ORDER TO OBTAIN AND/OR PAY ALL THE NECESSARY LOCAL PERMITS, FEES AND BONDS.
- ALL PROPOSED SIGNAGE SHALL CONFORM WITH THE TOWN ZONING REGULATIONS, UNLESS A VARIANCE IS OTHERWISE REQUESTED.
- ALL SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND NHDOT STANDARDS AND SPECIFICATIONS (NON-REFLECTORIZED PAVEMENT MARKINGS), UNLESS OTHERWISE NOTED.
- ALL STOP BARS SHALL BE 16" IN WIDTH IN A COLOR OF WHITE.
- ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND STRUCTURAL PLANS PROVIDED BY THE OWNER. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER PRIOR TO THE START OF CONSTRUCTION. BUILDING DIMENSIONS AND AREAS TO BE OUTSIDE OF MASONRY, UNLESS OTHERWISE NOTED.
- SNOW TO BE STORED AT EDGE OF PAVEMENT AND IN AREAS SHOWN ON THE PLANS, OR TRUCKED OFF-SITE TO AN APPROVED SNOW DUMPING LOCATION.
- DUMPSTERS AND/OR ROLL-OFFS ARE NOT TO BE PICKED UP BETWEEN 7:00 PM AND 7:00 AM.
- ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
- IF DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
- THE LIMITS OF JURISDICTIONAL WETLANDS WERE DELINEATED BY GOVE ENVIRONMENTAL SERVICES IN NOVEMBER, 2021 IN ACCORDANCE WITH THE FOLLOWING JURISDICTIONAL 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.
- OWNER SHALL INSPECT THE PROPOSED GRAVEL SURFACES QUARTERLY FOR RUTTING AND/OR EROSION. OWNER SHALL PROVIDE MAINTENANCE AND/OR ADDITIONAL MATERIAL TO REPAIR AND DEFICIENCIES

**PLAN REFERENCES:**

- "SUBDIVISION PLAN, HARRY GOODSTEIN, BARRINGTON, N.H." DATED JUNE, 1987. PREPARED BY FREDERICK E. DREW ASSOCIATES. S.C.R.D. PLAN 32-2.
- "BOUNDARY PLAT, LANDS OF SAT SR. LIMITED PARTNERSHIP, BARRINGTON, NH." DATED AUGUST 27, 2001. PREPARED BY TODD LAND USE CONSULTANTS. S.C.R.D. PLANS 63-32 AND 63-34.
- "SITE PLAN OF LAND PREPARED FOR RICHARD GOULET LOCATED AT ROUTE 125, BARRINGTON, NH." DATED JULY 19, 1998. PREPARED BY LITTLE RIVER SURVEY COMPANY. S.C.R.D. PLAN 58-28.
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RECEIVED  
 APPROVED - BARRINGTON, NH  
 PLANNING BOARD  
 LAND USE OFFICE

PROJECT PARCEL  
 TOWN OF BARRINGTON  
 TAX MAP 265, LOTS 11 & 12  
 APPLICANT/OWNER  
 JEFFREY SULLIVAN  
 224 OLD TURNPIKE ROAD  
 WEST NOTTINGHAM, NH 03291  
 TOTAL LOT AREA  
 152,210 SQ. FT.  
 3.494 ACRES

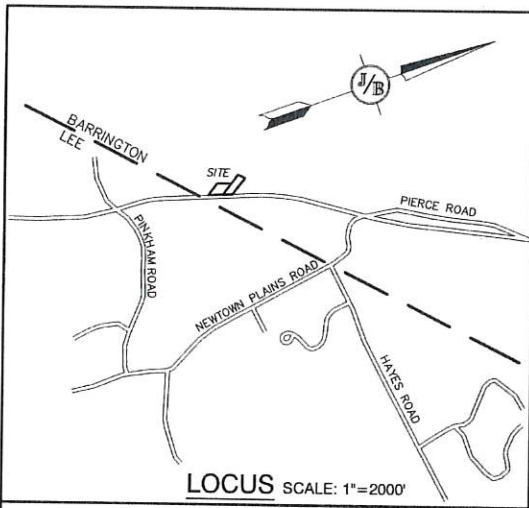
Design: BWG	Draft: DFP	Date: 06/14/22
Checked: BWG	Scale: 1" = 30'	Project No.: 21206
Drawing Name: 21206-PLAN.dwg		
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1	5/2/22	REVISED PER PB COMMENTS	BWG
0	3/15/22	ISSUED FOR REVIEW	BWG

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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

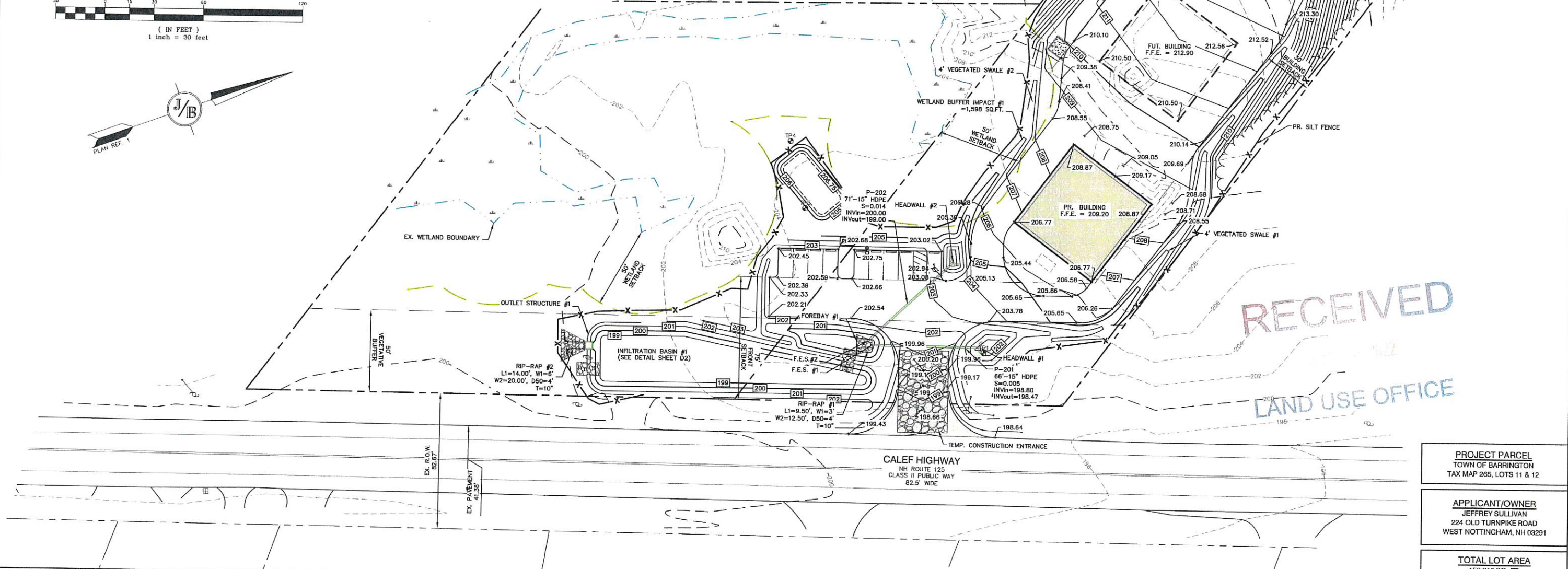
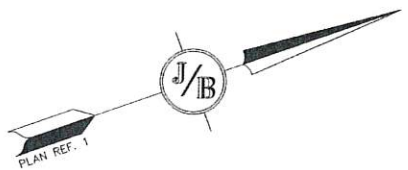
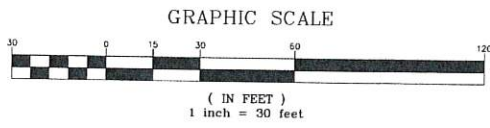
Plan Name:	<b>SITE PLAN</b> MAP 265, LOTS 11 & 12
Project:	<b>ROCK IRON REPAIR</b> CALEF HIGHWAY, BARRINGTON, NH
Owner of Record:	JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291

DRAWING No.  
**C2**  
 SHEET 3 OF 11  
 JBE PROJECT NO. 21206



**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 888-DIG-SAFE (888-344-7233).
- 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 ROOF DRAINS FROM BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AND WITNESS AT THE END. ALL EXTERIOR ROOF DOWNSPOUTS ARE TO BE INSTALLED WITH OVERFLOW DEVICES.
- ALL SWALES AND DETENTION PONDS ARE TO BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- 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 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 H20 LOADING AND SHALL BE INSTALLED ACCORDINGLY.
- IMMEDIATELY APPLY AND COMPACT STONE BASE FOR BUILDING PAD TO  $\pm 1/2"$  PRIOR TO EXCAVATING INTERIOR AND PERIMETER FOOTINGS.
- IN AREAS WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES, THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG PROPERTY LINES IN ALL AREAS WHERE SILT FENCING IS NOT REQUIRED.
- ALL DRAINAGE PIPE SHALL BE NON-PERFORATED ADS N-12 OR APPROVED EQUAL.
- 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.
- ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 3 DAYS OF FINAL GRADING AND ANYTIME CONSTRUCTION STOPS FOR LONGER THAN 3 DAYS.
- MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN EVENT OF 0.5" 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.
- REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.



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

Plan Name:	<b>GRADING AND DRAINAGE PLAN</b>
Project:	<b>ROCK IRON REPAIR CALEF HIGHWAY, BARRINGTON, NH</b>
Owner of Record:	<b>JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291</b>

<b>PROJECT PARCEL</b> TOWN OF BARRINGTON TAX MAP 265, LOTS 11 & 12
<b>APPLICANT/OWNER</b> JEFFREY SULLIVAN 224 OLD TURNPIKE ROAD WEST NOTTINGHAM, NH 03291
<b>TOTAL LOT AREA</b> 152,210 SQ. FT. 3.494 ACRES

DRAWING No.

**C3**

SHEET 4 OF 11  
JBE PROJECT NO. 21206

**LANDSCAPE NOTES:**

- THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTINGS SHOWN ON THE DRAWINGS.
- PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, UPON DELIVERY OR AT THE JOB SITE WHILE WORK IS ON-GOING FOR CONFORMITY TO SPECIFIED QUALITY, SIZE AND VARIETY.
- PLANTS FURNISHED IN CONTAINERS SHALL HAVE THE ROOTS WELL ESTABLISHED IN THE SOIL MASS AND SHALL HAVE AT LEAST ONE (1) GROWING SEASON. ROOT-BOUND PLANTS OR INADEQUATELY SIZED CONTAINERS TO SUPPORT THE PLANT MAY BE DEEMED UNACCEPTABLE.
- ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY, OR MORE OFTEN IF NECESSARY, DURING THE FIRST GROWING SEASON.
- ALL LANDSCAPE AREAS TO BE GRASS COMMON TO REGION, EXCEPT FOR INTERIOR LANDSCAPED ISLANDS OR WHERE OTHER PLANT MATERIAL IS SPECIFIED.
- THE CONTRACTOR SHALL REMOVE WEEDS, ROCKS, CONSTRUCTION ITEMS, ETC. FROM ANY LANDSCAPE AREA SO DESIGNATED TO REMAIN, WHETHER ON OR OFF-SITE. GRASS SEED OR PINE BARK MULCH SHALL BE APPLIED AS DEPICTED ON PLANS.
- ALL LANDSCAPING SHALL MEET THE TOWN STANDARDS AND REGULATIONS.
- ALL LANDSCAPED AREAS SHALL HAVE SELECT MATERIALS REMOVED TO A DEPTH OF AT LEAST 9" BELOW FINISH GRADE. THE RESULTING VOID IS TO BE FILLED WITH A MINIMUM OF 9" HIGH-QUALITY SCREENED LOAM AMENDED WITH 3" OF AGED ORGANIC COMPOST.

**LIGHTING AND ELECTRICAL NOTES:**

- SITE ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES AND DRAINAGE BEFORE DRILLING POLE BASES.
- CONTRACTOR SHALL INSTALL PROPOSED LIGHT POLES ACCORDING TO TOWN REGULATIONS.
- LIGHTING CONDUIT SHALL BE SCHEDULE 40 PVC, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE. CONTRACTOR SHALL PROVIDE EXCAVATION AND BACKFILL.
- ILLUMINATION READINGS SHOWN ARE BASED ON A TOTAL LLF OF 0.75 AT GRADE. ILLUMINATION READINGS SHOWN ARE IN UNITS OF FOOT-CANDLES.
- LIGHTING CALCULATIONS SHOWN ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM AND SAFETY.
- ALL LIGHTING FIXTURES SHALL BE FULL CUT-OFF DARK-SKY COMPLIANT, UNLESS OTHERWISE NOTED.
- NL INDICATES THAT THIS LUMINAIRE SHALL BE ON A NIGHT LIGHT CIRCUIT. FL INDICATES THAT THIS LUMINAIRE SHALL BE A FLOOD LIGHT FIXTURE. MOUNTING BRACKET FOR THIS FL FIXTURE SHALL BE MOUNTED 25" ABOVE BOTTOM OF POLE BASE FOR ALL LIGHT POLES CLOSEST TO STOREFRONT. THESE DESIGNATIONS INDICATE WHAT PHASE LIGHTS ARE WIRING TO (TYP).
- THE PROPOSED LIGHTING CALCULATIONS AND DESIGN WAS PERFORMED BY CHARRON, INC., P.O. BOX 4550, MANCHESTER, NH 03108, ATTENTION KEN SWEENEY. ALL LIGHTS SHOULD BE PURCHASED FROM THIS COMPANY, OR AN EQUAL LIGHTING DESIGN SHOULD BE SUBMITTED FOR REVIEW IF EQUAL SUBSTITUTIONS ARE PROPOSED BY THE CONTRACTOR OR OWNER.

**LANDSCAPE CALCULATIONS:**

- PERIMETER SHADE TREE:  
REQUIRED: 1 TREE / 20' OF PARKING LOT PERIMETER  
PARKING LOT PERIMETER = 290'  
PROVIDED: (1 TREE / 20') X (290') = 14.5 = 15 TREES
- SCREENING FROM PUBLIC ROW:  
REQUIRED: 50% VERTICAL OPACITY AVERAGE UP TO HEIGHT OF 3.5'
- INTERIOR PARKING LOT LANDSCAPING:  
TOTAL PARKING AREA = 2020 SQ.FT.  
REQUIRED: 10% OF TOTAL PARKING AREA DEDICATED AS LANDSCAPED AREA  
= (1609 SQ.FT.) X (10%) = 160.9 SQ.FT.  
PROVIDED: = 176 SQ.FT.

**Lumark**  
Axcent  
Wall Mount Luminaire

**Product Features**

**Product Certifications**

**Interactive Menu**

- Ordering Information page 1
- Mounting Details page 2
- Product Specifications page 3
- Energy and Performance Data page 4
- Control Options page 5

**Quick Facts**

- Available in 14W - 123W (1,800 - 17,000 lumens) models
- Full cutoff and refractive lens models available
- Energy and maintenance savings up to 95% compared to HID
- Energy efficient illumination results in up to 144 LPW
- Replaces 70W up to 450W HID equivalents

**Connected Systems**

- WaveLux Lite
- Enlighted

**Lumark**  
PRV / PRV-XL Prevail LED  
Area / Site Luminaire

**Typical Applications**

Outdoor • Parking Lots • Walkways • Roadways • Building Areas

**Product Certifications**

**Interactive Menu**

- Ordering Information page 1
- Mounting Details page 2
- Optical Configurations page 3
- Product Specifications page 4
- Energy and Performance Data page 5
- Control Options page 6

**Quick Facts**

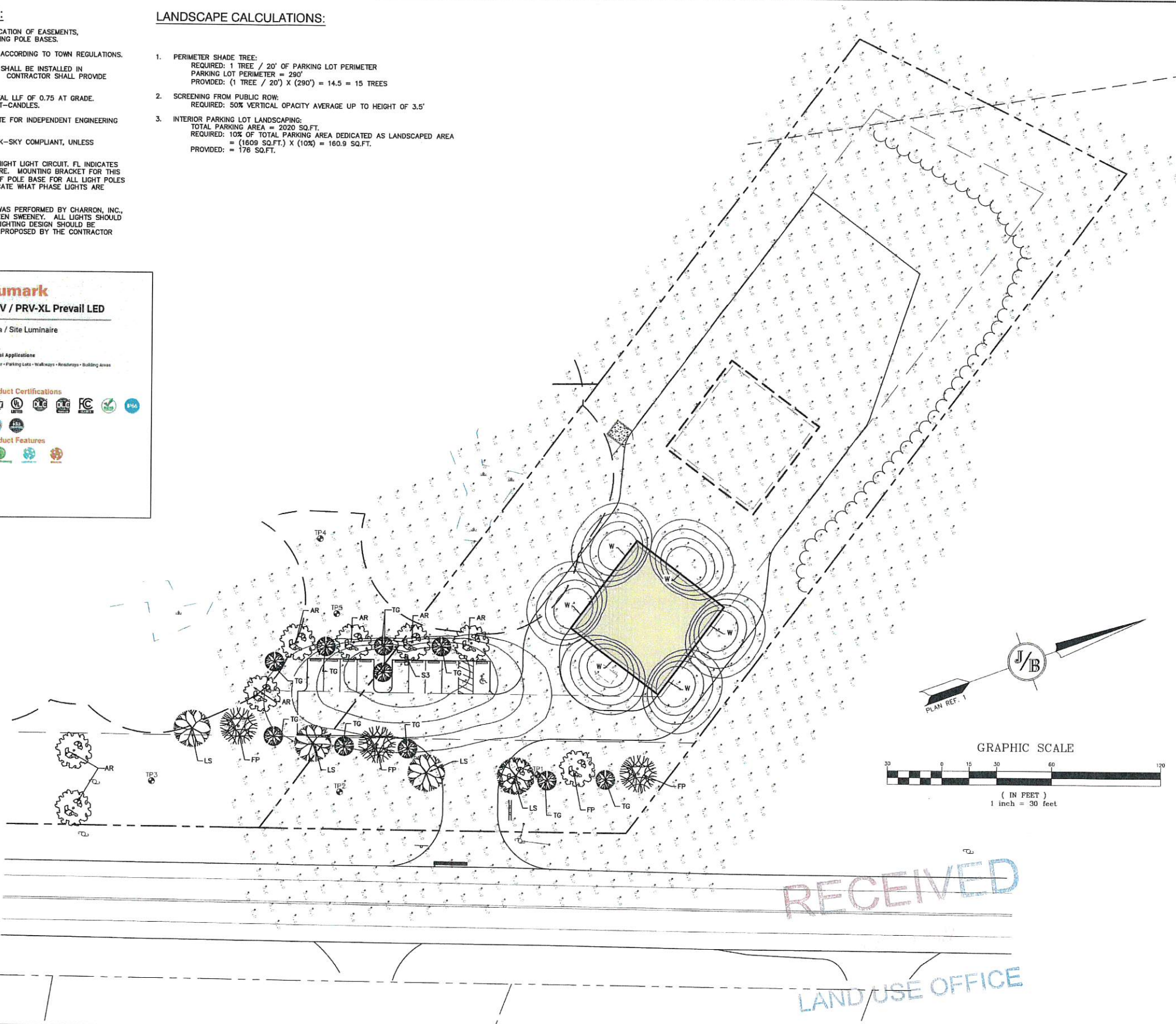
- Lumen packages range from 7,100 - 48,600 lumens (50W - 350W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 148 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

**LIGHTING TABLE:**

Luminaire Schedule	Symbol	Qty	Label	Arrangement	Description
	⊙	1	S3	Single	PRV-C25-D-UNW-T3-BZ-HSS / SSS4A205FN1 (20' AFG)
	□	6	W	Single	AXCS2A / WALL MTD 12' AFG

**LANDSCAPING TABLE:**

#	SYMBOL	LABEL	COMMON NAME	BOTANICAL NAME	SIZE
1	TG	TG	ARBORVITAE	THUJA GREEN GIANT	6'
2	AR	AR	RED MAPLE	ACER RUBRUM	3" CAL
3	FP	FP	WHITE ASH	FRAXINUS PENNSYLVANICA	3" CAL
4	LS	LS	SWEET GUM	LIQUIDAMBAR STRYACIFLUA	3" CAL



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**PROJECT PARCEL**  
TOWN OF BARRINGTON  
TAX MAP 265, LOTS 11 & 12

**APPLICANT/OWNER**  
JEFFREY SULLIVAN  
224 OLD TURNPIKE ROAD  
WEST NOTTINGHAM, NH 03291

**TOTAL LOT AREA**  
152,210 SQ. FT.  
3.494 ACRES

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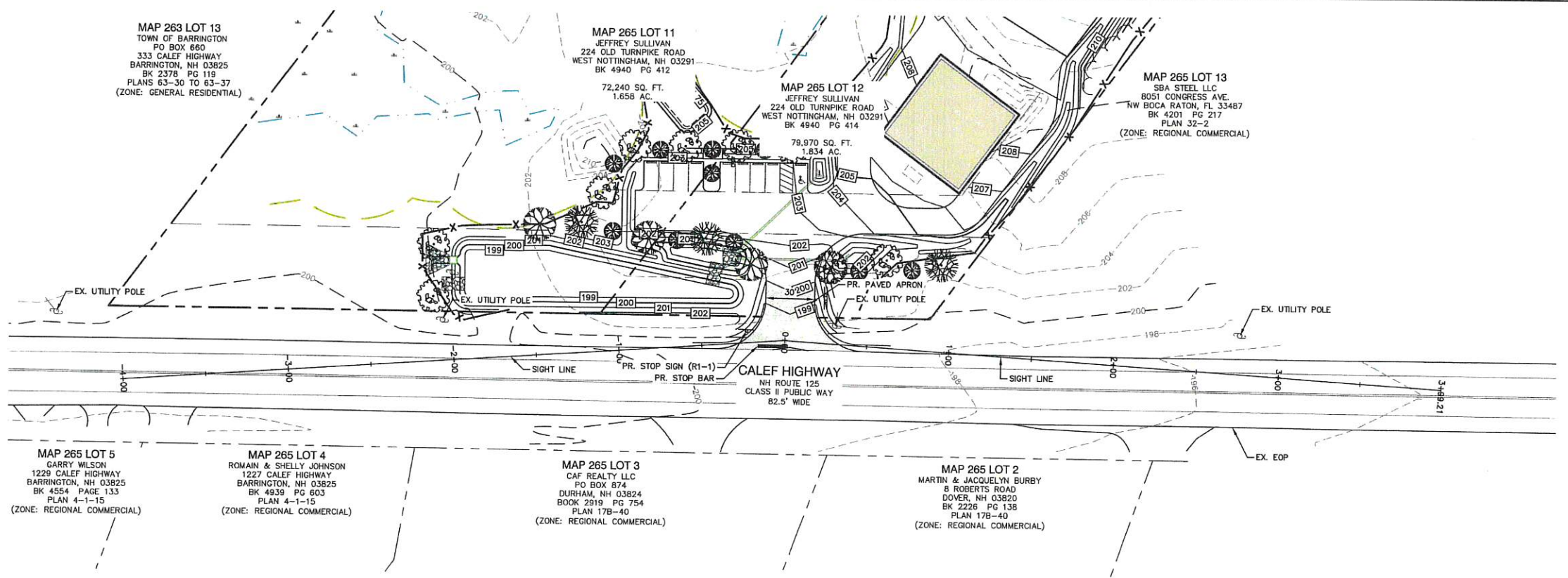
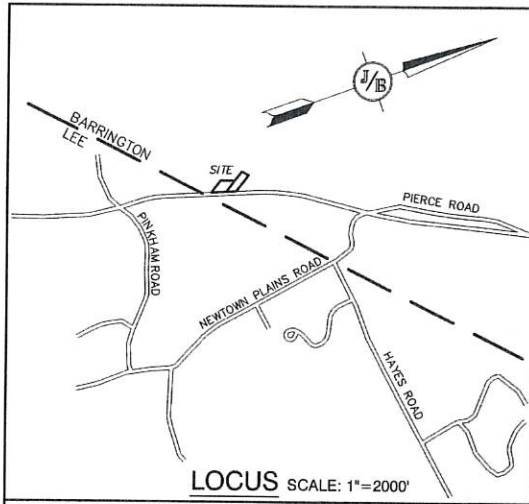
Plan Name: **LANDSCAPE AND LIGHTING PLAN**

Project: **ROCK IRON REPAIR  
CALEF HIGHWAY, BARRINGTON, NH**

Owner of Record: **JEFFREY SULLIVAN  
224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291**

DRAWING No. **L1**

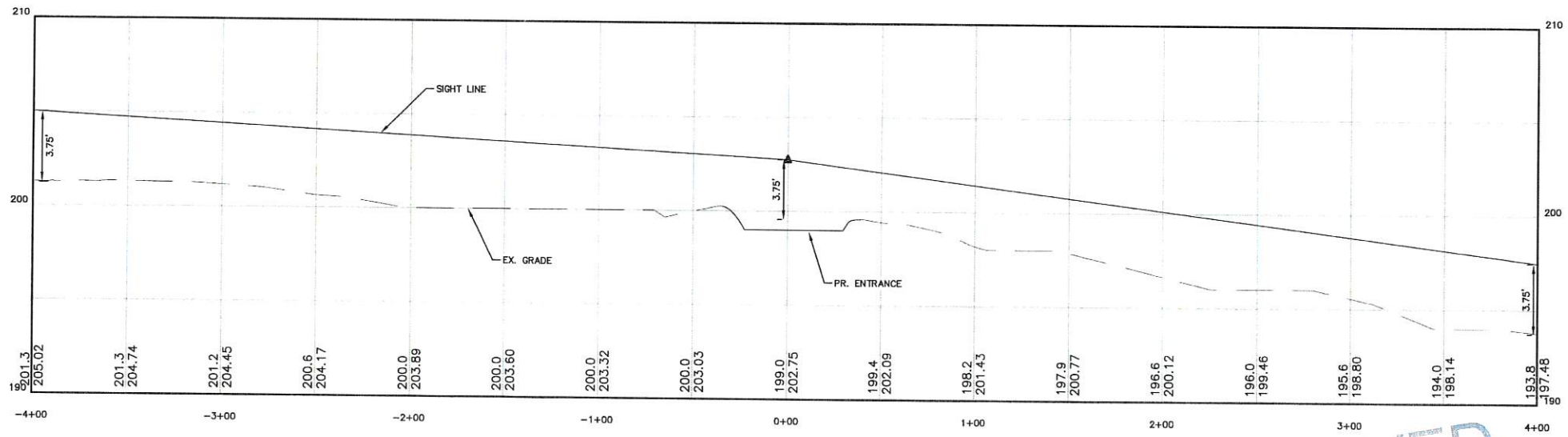
SHEET 5 OF 11  
JBE PROJECT NO. 21206



**ROCK IRON REPAIR DRIVEWAY / CALEF HIGHWAY INTERSECTION**

**NOTES:**

- SIGNS SHALL BE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND NHDOT STANDARDS.
- SIGN, HARDWARE, AND INSTALLATION TO CONFORM TO 2016 NHDOT STANDARD SPECIFICATIONS, SECTION 615 - TRAFFIC SIGNS.
- STOP BAR TO CONFORM TO NHDOT PM-9 STOP BAR DETAIL



TRAFFIC CONTROL SCHEDULE							
NUMBER	SIGN	SIZE OF SIGN		DESCRIPTION	MOUNT TYPE	MOUNT HEIGHT	REMARKS
		WIDTH	HEIGHT				
R1-1	STOP	30"	30"	WHITE ON RED	CHANNEL	7'-0"	REFLECTORIZED SIGN

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**PROJECT PARCEL**  
TOWN OF BARRINGTON  
TAX MAP 265, LOTS 11 & 12

**APPLICANT/OWNER**  
JEFFREY SULLIVAN  
224 OLD TURNPIKE ROAD  
WEST NOTTINGHAM, NH 03291

**TOTAL LOT AREA**  
152,210 SQ. FT.  
3.494 ACRES

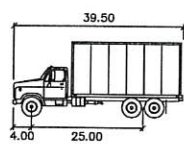
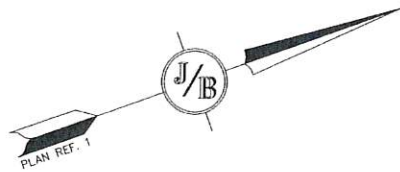
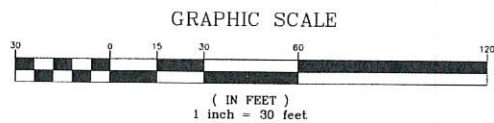
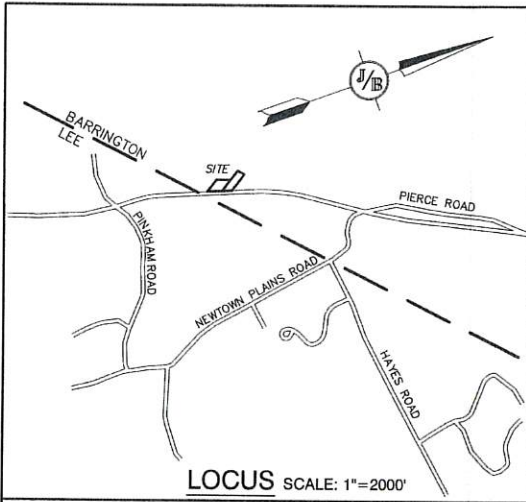
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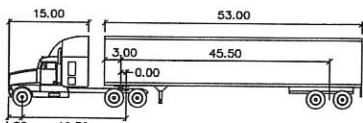
Plan Name: **HIGHWAY ACCESS PLAN**  
 Project: **ROCK IRON REPAIR DRIVEWAY / CALEF HIGHWAY, BARRINGTON, NH**  
 Owner of Record: **JEFFREY SULLIVAN**  
 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291

DRAWING No.  
**HA1**  
 SHEET 6 OF 11  
 JBE PROJECT NO. 21206



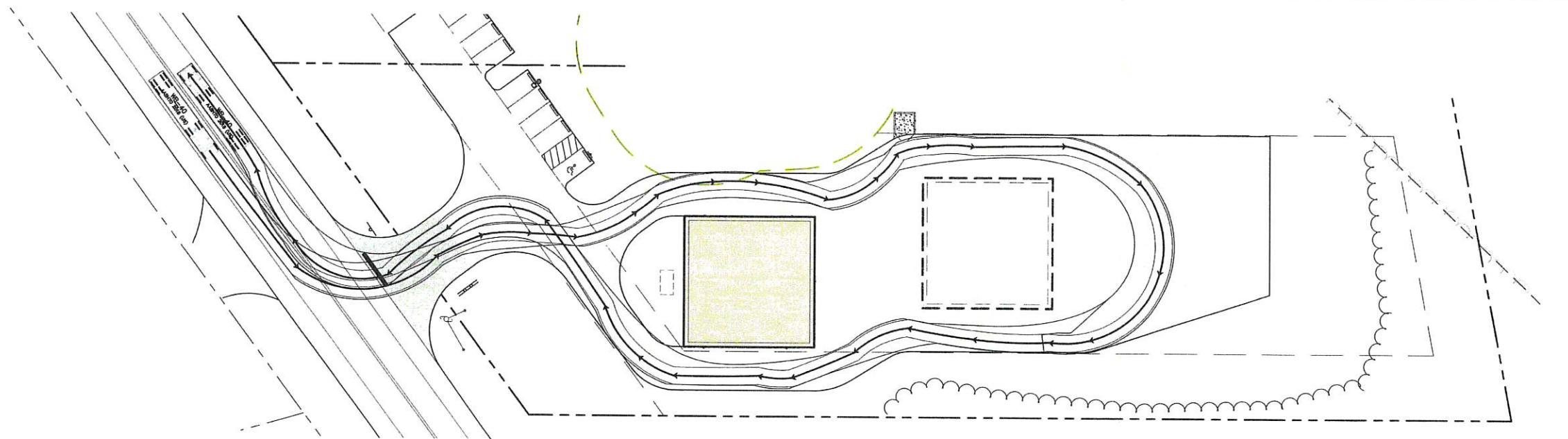
SU-40

Width	: 8.00	feet
Tractor	: 8.00	
Lock to Lock Time	: 6.0	
Steering Angle	: 31.8	

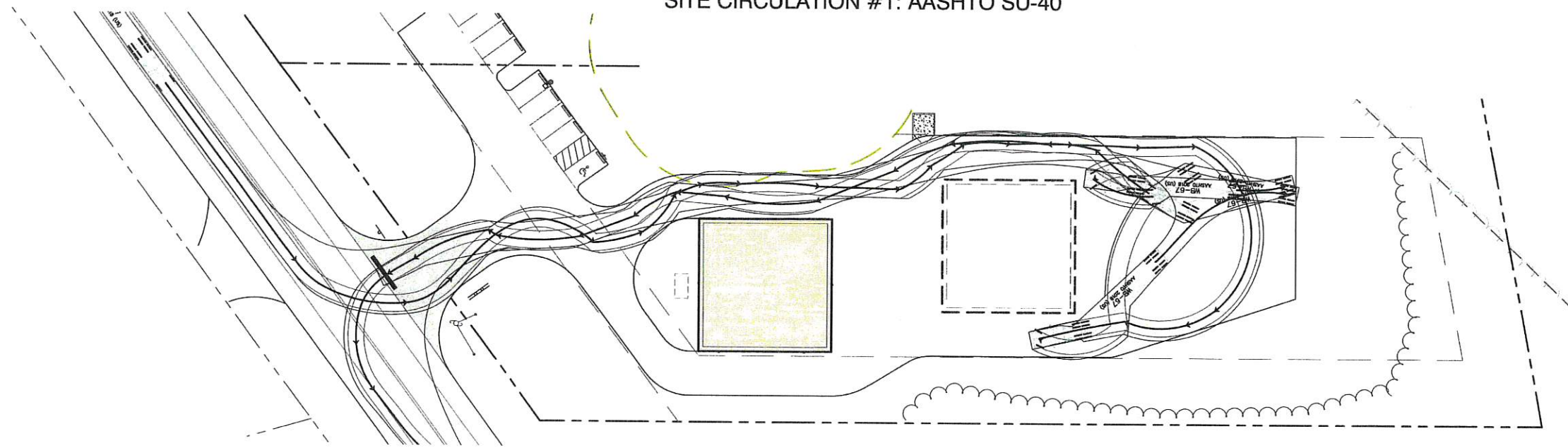


WB-67

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trolley Track	: 8.50		



SITE CIRCULATION #1: AASHTO SU-40



SITE CIRCULATION #2: AASHTO WB-67

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

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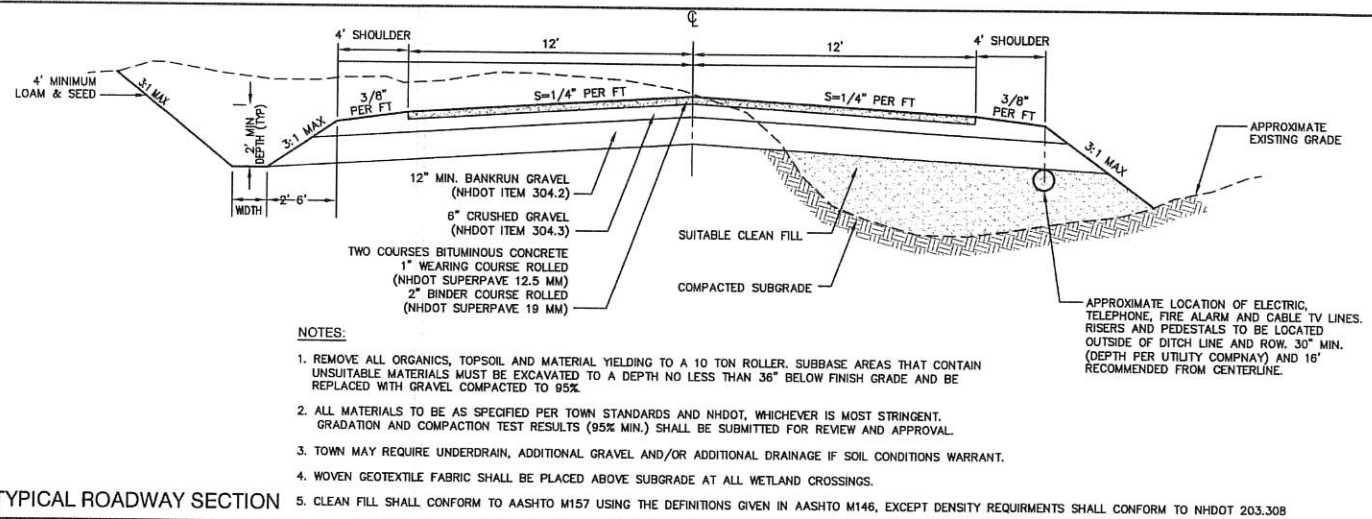
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DATE: \_\_\_\_\_

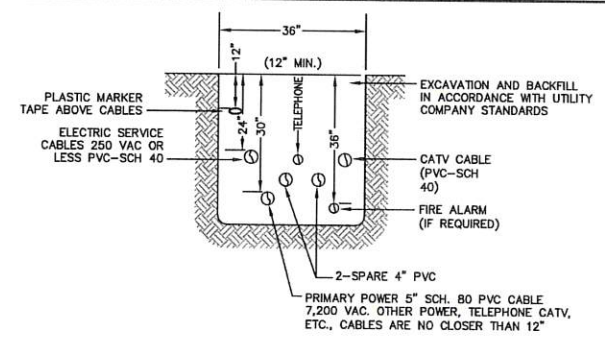
APPROVED - BARRINGTON, NH PLANNING BOARD	<b>PROJECT PARCEL</b> TOWN OF BARRINGTON TAX MAP 265, LOTS 11 & 12
<b>APPLICANT/OWNER</b> JEFFREY SULLIVAN 224 OLD TURNPIKE ROAD WEST NOTTINGHAM, NH 03291	<b>TOTAL LOT AREA</b> 152,210 SQ. FT. 3.494 ACRES

Plan Name: <b>SITE CIRCULATION PLAN</b> MAP 265, LOTS 11 & 12	<b>DRAWING No.</b> <span style="font-size: 2em; font-weight: bold;">TM1</span>
Project: <b>ROCK IRON REPAIR</b> <b>CALEF HIGHWAY, BARRINGTON, NH</b>	SHEET 7 OF 11 JBE PROJECT NO. 21206
Owner of Record: <b>JEFFREY SULLIVAN</b> 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291	

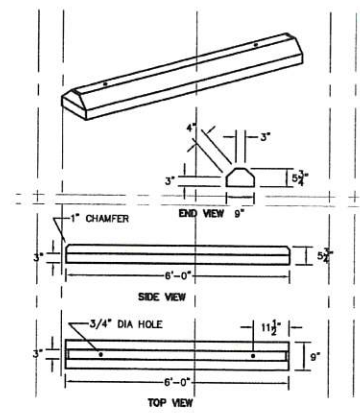


- NOTES:**
1. REMOVE ALL ORGANICS, TOPSOIL AND MATERIAL YIELDING TO A 10 TON ROLLER. SUBBASE AREAS THAT CONTAIN UNSUITABLE MATERIALS MUST BE EXCAVATED TO A DEPTH NO LESS THAN 36" BELOW FINISH GRADE AND BE REPLACED WITH GRAVEL COMPACTED TO 95%.
  2. ALL MATERIALS TO BE AS SPECIFIED PER TOWN STANDARDS 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.
  5. CLEAN FILL SHALL CONFORM TO AASHTO M157 USING THE DEFINITIONS GIVEN IN AASHTO M146, EXCEPT DENSITY REQUIREMENTS SHALL CONFORM TO NHDOT 203.308

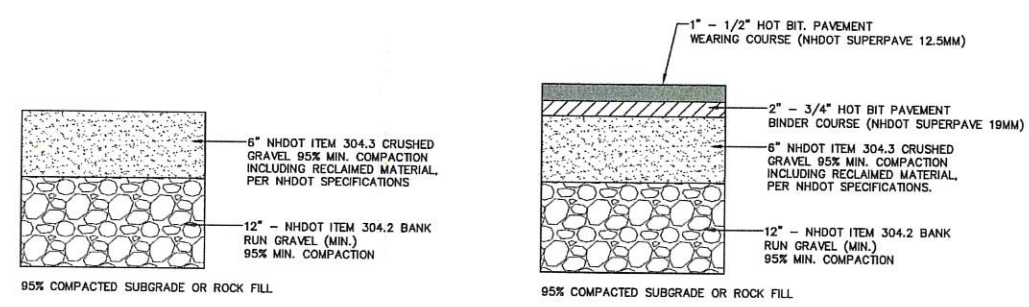
**TYPICAL ROADWAY SECTION**  
NOT TO SCALE



**UTILITY TRENCH**  
NOT TO SCALE

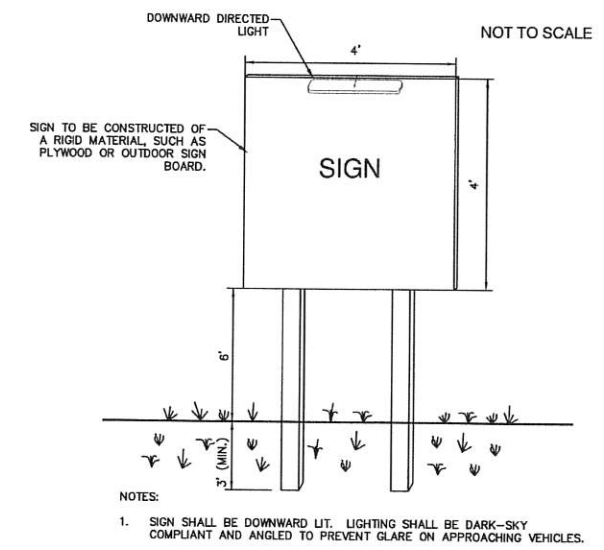


**REINFORCED CONCRETE WHEELSTOP**  
NOT TO SCALE

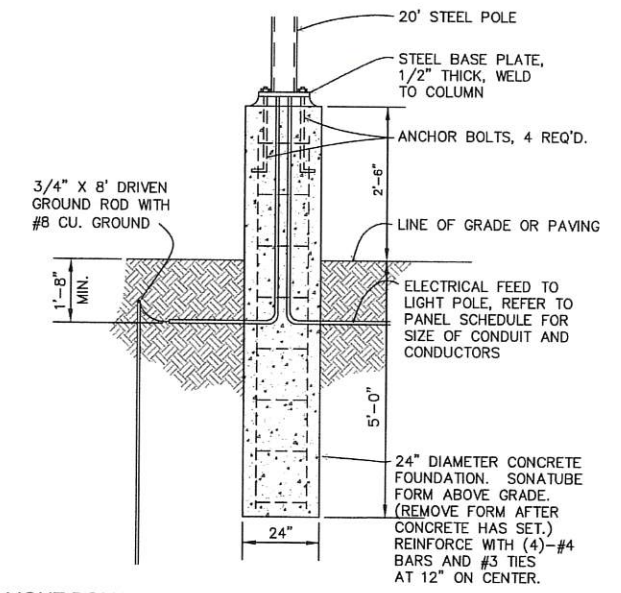


**TYPICAL GRAVEL SECTION**  
NOT TO SCALE

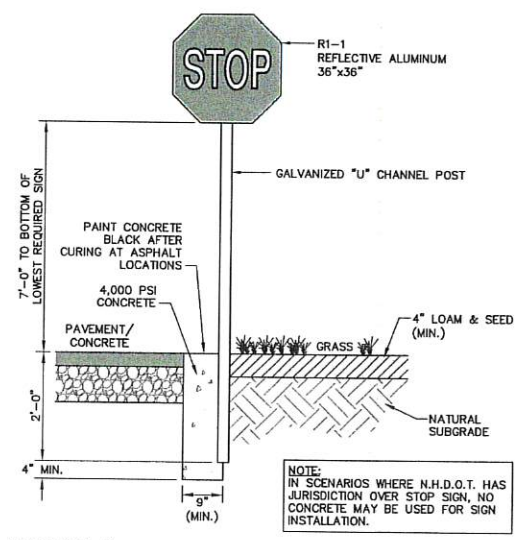
**TYPICAL BITUMINOUS PAVEMENT**  
NOT TO SCALE



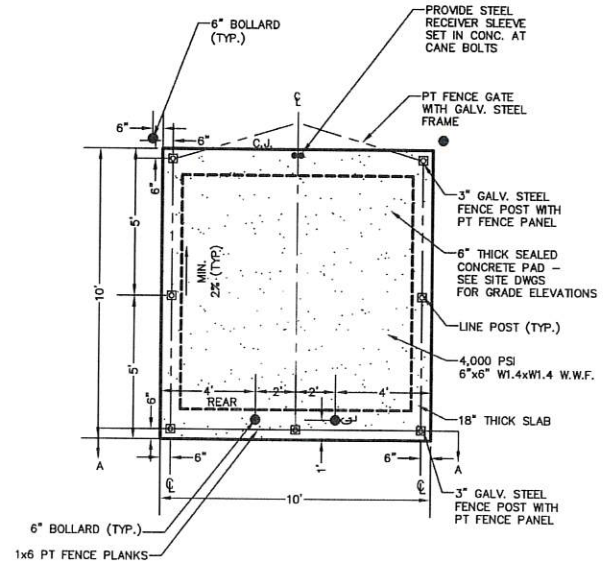
**SIGN**  
NOT TO SCALE



**LIGHT POLE BASE FOUNDATION**

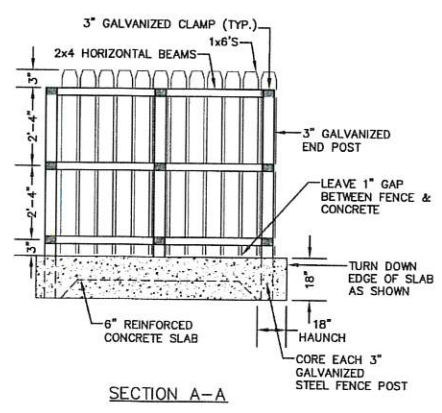


**STOP SIGN (R1-1)**  
NOT TO SCALE



**DUMPSTER ENCLOSURE PLAN**  
NOT TO SCALE

- NOTES:**
1. ALL LUMBER TO BE PRESSURE TREATED.
  2. WOOD FENCE TO BE PAINTED OR STAINED TO MATCH BUILDING FOUNDATION.
  3. DUMPSTER SIZE VARIES, SEE SITE PLANS FOR SCREENING SIZE



**SECTION A-A**

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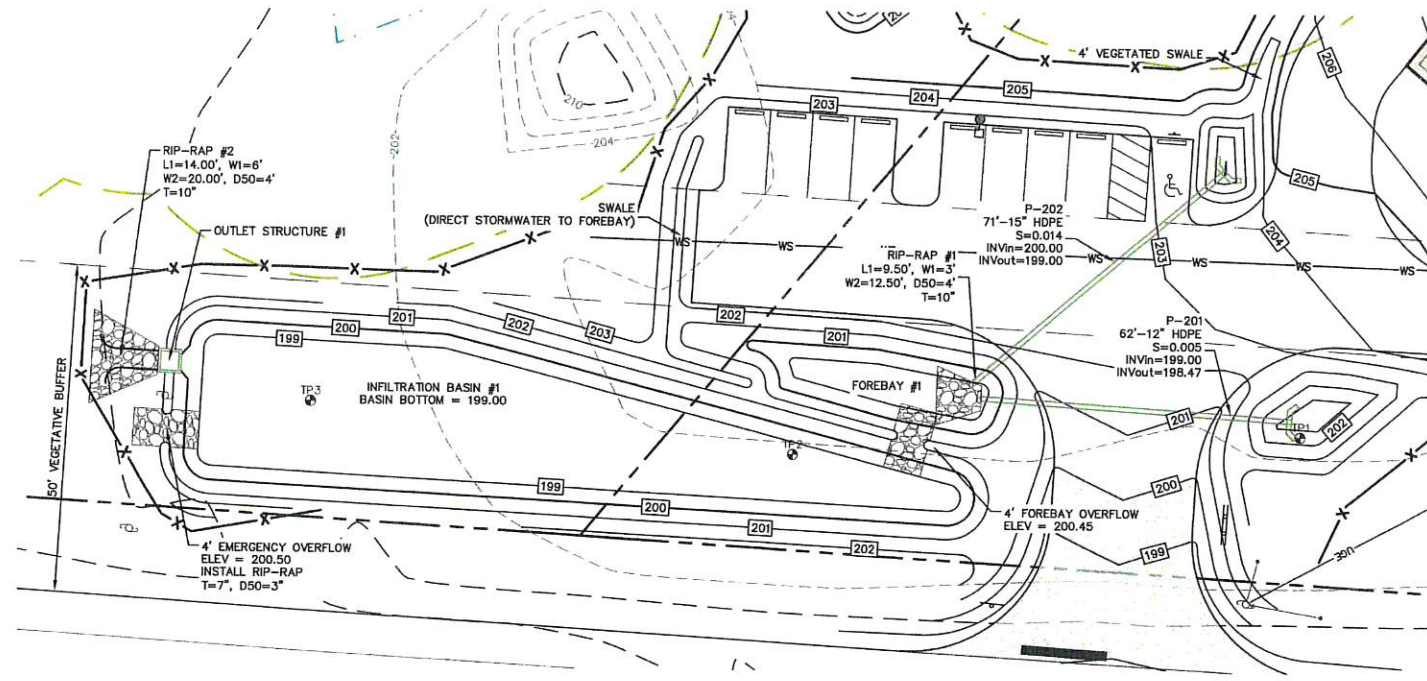
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85 Portsmouth Ave.    Civil Engineering Services    603-772-4746  
 PO Box 219    Stratham, NH 03885    FAX: 603-772-0227  
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	DETAIL SHEET
Project:	ROCK IRON REPAIR CALEF HIGHWAY, BARRINGTON, NH
Owner of Record:	JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291

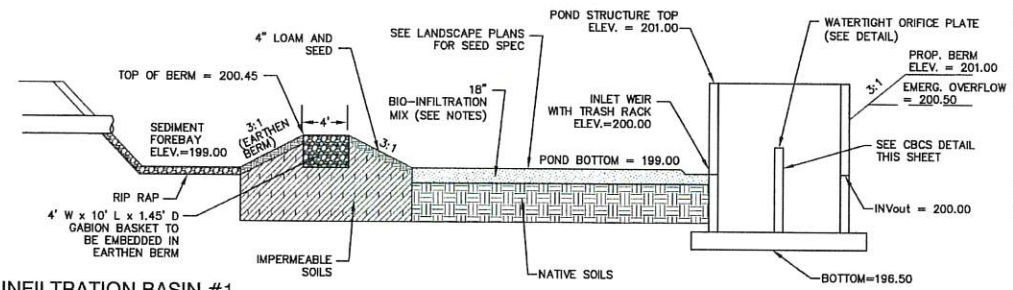
DRAWING No.	D1
SHEET # OF 11	JBE PROJECT NO. 21206





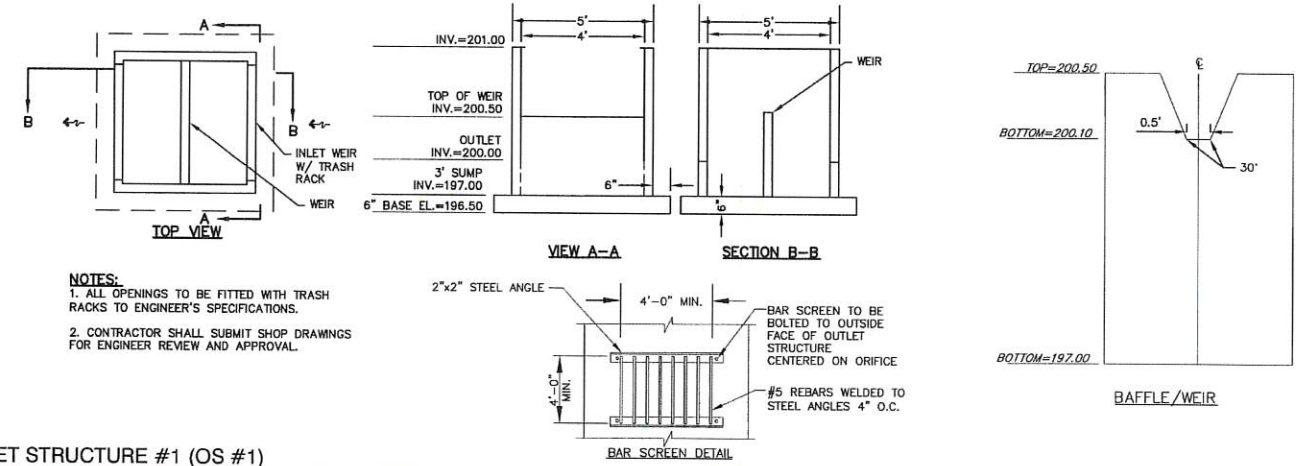
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SCALE: 1" = 20'



**INFILTRATION BASIN #1**

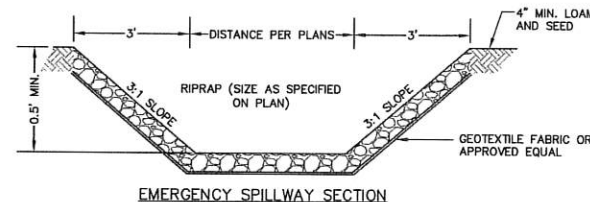
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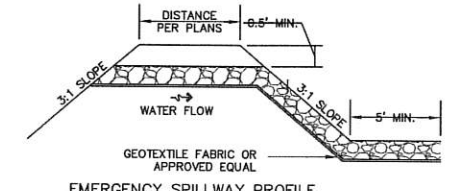
- NOTES:**
1. ALL OPENINGS TO BE FITTED WITH TRASH RACKS TO ENGINEER'S SPECIFICATIONS.
  2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW AND APPROVAL.

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

NOT TO SCALE



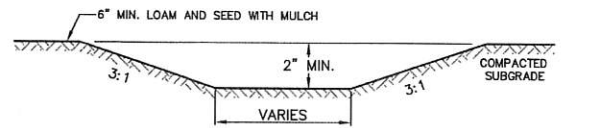
**EMERGENCY SPILLWAY SECTION**



**EMERGENCY SPILLWAY PROFILE**

**EMERGENCY SPILLWAY**

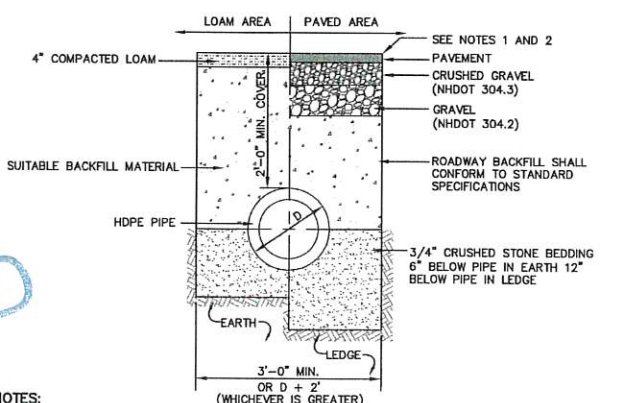
NOT TO SCALE



- NOTE:**
1. STABILIZED PRIOR TO DIRECTING RUN OFF TO SWALE
  2. CONSTRUCT SWALE AT 0.005 FT/FT SLOPE (MIN.)

**VEGETATED SWALE**

NOT TO SCALE



- 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

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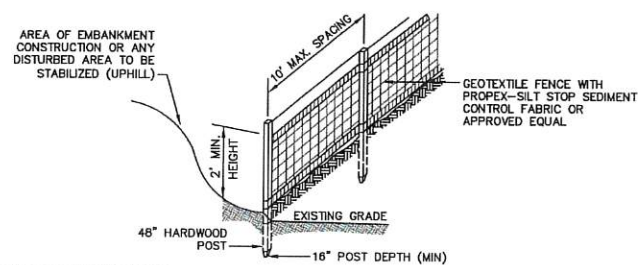
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Owner of Record:	<b>JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291</b>

DRAWING No.	<b>D2</b>
SHEET 9 OF 11	JBE PROJECT NO. 21206

**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 PERIODICALLY BE 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 575 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 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 1/2 INCH OR GREATER RAIN EVENT (I.E. 1/2 INCH OF PRECIPITATION OR MORE WITHIN A 24 HOUR PERIOD). IF UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THIS EVENT.
  - 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

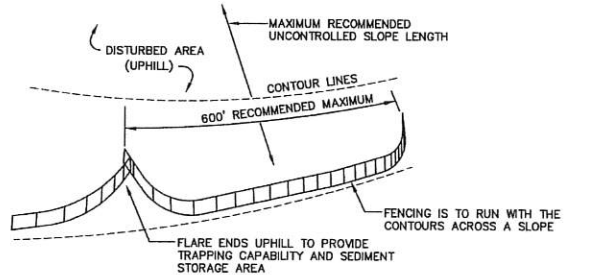


**CONSTRUCTION SPECIFICATIONS:**

- 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**

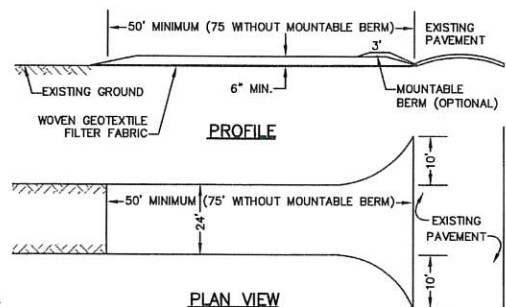
NOT TO SCALE



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

**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 CULTRIPACKING OR RAKING.
  - REFER TO THE "SEEDING GUIDE" AND "SEEDING RATES" TABLES ON THIS SHEET FOR APPROPRIATE SEED MIXTURES AND RATES OF SEEDING. ALL LEGUMES (CROWNVEICH, BIRDSPOOT, TREFOL AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT PRIOR TO THEIR INTRODUCTION TO THE SITE.
  - WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING 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.



**NOTES:**

- STONE FOR STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, 75' WITHOUT A MOUNTABLE BERM, AND EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
- 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.
- 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.
- 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 3:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- 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

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
	D	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.	A	GOOD	GOOD	GOOD	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	FAIR
LIGHTLY USED PARKING LOTS, OOD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES.	A	GOOD	GOOD	GOOD	FAIR
	C	GOOD	GOOD	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
GROWN VETCH	15	0.35
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 1/2	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**

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Civil Engineering Services

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Plan Name: **EROSION AND SEDIMENT CONTROL DETAILS**

Project: **ROCK IRON REPAIR CALEF HIGHWAY, BARRINGTON, NH**

Owner of Record: **JEFFREY SULLIVAN 224 OLD TURNPIKE RD., WEST NOTTINGHAM, NH 03291**

DRAWING No. **E1**

SHEET 10 OF 11

JBE PROJECT NO. 21206

