



















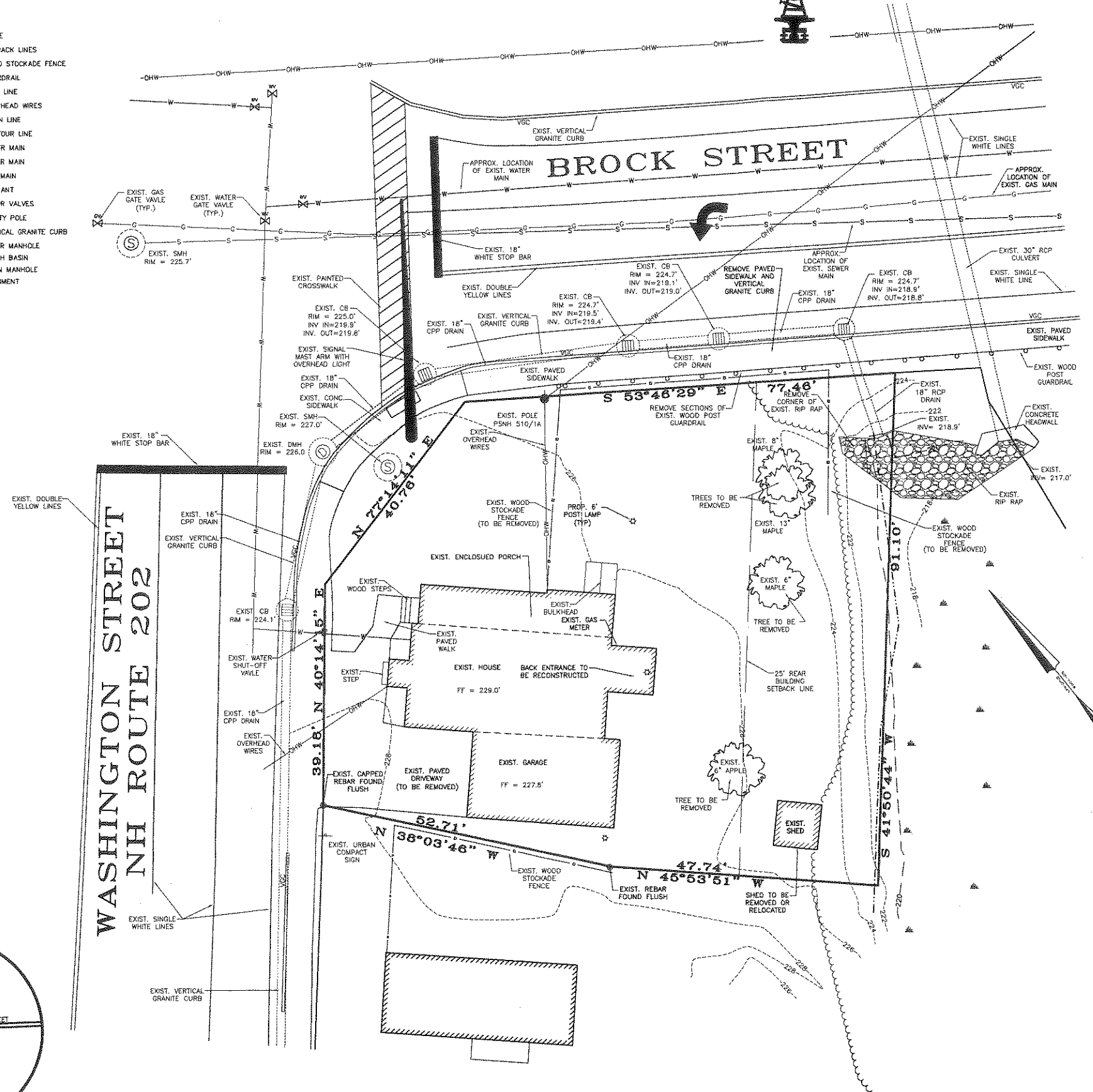




LEGEND

- | | |
|---|--------------------------------|
|  | PROPERTY LINE |
|  | BUILDING SETBACK LINES |
|  | EXISTING WOOD STOCKADE FENCE |
|  | EXISTING GUARDRAIL |
|  | EXISTING TREE LINE |
|  | EXISTING OVERHEAD WIRES |
|  | EXISTING DRAIN LINE |
|  | EXISTING CONTOUR LINE |
|  | EXISTING WATER MAIN |
|  | EXISTING SEWER MAIN |
|  | EXISTING GAS MAIN |
|  | EXISTING HYDRANT |
|  | EXISTING WATER VALVES |
|  | EXISTING UTILITY POLE |
|  | EXISTING VERTICAL GRANITE CURB |
|  | EXISTING SEWER MANHOLE |
|  | EXISTING CATCH BASIN |
|  | EXISTING DRAIN MANHOLE |
|  | EXISTING MONUMENT |
|  | EXISTING SIGN |



- GENERAL SITE PLAN NOTES:**
1. TOTAL PARCEL AREA IS 7,894 SF / 0.18 ACRES.
 2. THIS PARCEL IS LOCATED IN BUSINESS-1 ZONE.
 2. THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING FEATURES OF THE PROPERTY BEING REDEVELOPED AND THOSE ITEMS WHICH MUST BE DEMOLITION DURING CONSTRUCTION.
 3. ALL EXISTING UTILITIES LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO ANY WORK BEING PERFORMED
 4. THESE PLANS SHOW ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF SURVEY, AUGUST 09, 2011. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. FROM THESE PLANS, BUT IN EXISTENCE, IS NOT INTENDED OR IMPLIED.
 5. DIMENSIONAL REGULATIONS PER ZONING ORDINANCE:
 BUSINESS-1 ZONE (WITH WATER & SEWER):
 MINIMUM LOT SIZE = NONE REQUIRED
 MINIMUM LOT FRONTAGE = NONE REQUIRED
 MINIMUM YARD SETBACK:
 FRONT= NONE REQUIRED
 SIDE= NONE REQUIRED
 REAR= 25'
 MAXIMUM LOT COVERAGE= NO REQUIREMENT
 6. ORIENTATION: HORIZONTAL AND VERTICAL DATUMS – CITY OF ROCHESTER GIS. SOIL TYPES ARE PER NATURAL RESOURCES CONSERVATION SERVICE.
 Wd= 3 TO 8% SLOPES
 Wd= 3 TO 8% SLOPES
 8. PARCEL IS NOT LOCATED WITHIN ZONE A (100YR FLOOD) AS SHOWN ON FIRM FLOOD INSURANCE RATE MAP, MAP NUMBER 33017C0211D.
 9. THE LOT IS SERVICED BY THE MUNICIPAL WATER SUPPLY AND SEWER SYSTEM.
 10. EXISTING VERTICAL GRANITE CURB AND SECTIONS OF GUARDRAIL BE REMOVED SHALL BE RETURNED TO THE CITY OF ROCHESTER PUBLIC WORKS.

TAX MAP 123, LOT 65
OWNER OF RECORD:
BERNARD P. HANSKOM
P.O. BOX 1371
ROCHESTER, NH 03868-1371
S.C.R.D. BOOK 1200, PAGE 207

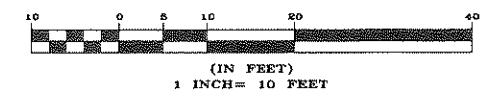
**EXISTING FEATURES AND
DEMOLITION PLAN
120 WASHINGTON STREET
TAX MAP 123, LOT 65
ROCHESTER, N.H.**

FOR

JAMES J. NYBERG REVOCABLE TRUST

SCALE: 1" = 10' AUGUST 2011

GRAPHIC SCALE



FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____

SIGNED BY _____ DATE _____

NAME POSITION DATE

FILE NO. 110
PLAN NO. C-2585-SP1
DWG. NO. 11051\SP-1
F.B. NO. "33" CEK

NORWAY PLAINS ASSOCIATES, INC.

LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINES
- EXISTING WOOD STOCKADE FENCE
- EXISTING GUARDRAIL
- EXISTING TREE LINE
- EXISTING DRAIN LINE
- EXISTING UTILITY POLE
- EXISTING CATCH BASIN
- PROPOSED EDGE OF PAVEMENT
- PROPOSED CONCRETE RETAINING WALL
- PROPOSED GUARDRAIL
- PROPOSED STANDARD PAVEMENT
- PROPOSED POROUS PAVEMENT

MAP 123 - LOT 86
BRENT G. MCKINNEY
3 WOODLAND AVENUE
ROCHESTER, NH 03867

WOODLAWN
AVENUE

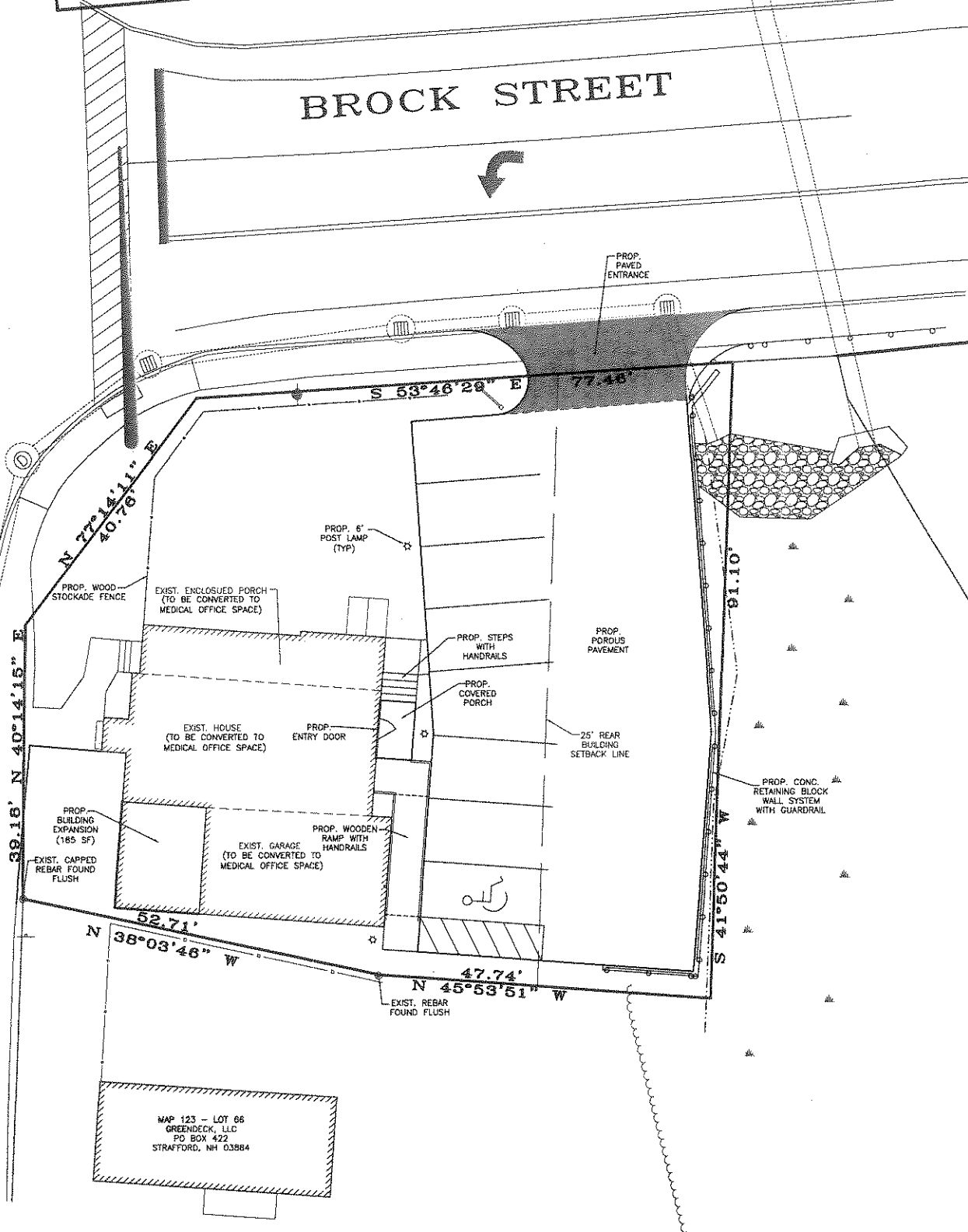
MAP 123 - LOT 78
WHITE CAPS ACQUISITIONS, LLC
15 SEAL COVE ROAD
HINESBORO, NH 02043

WASHINGTON STREET
NH ROUTE 202



MAP 123 - LOT 51
CARROLL R. & SANDRA C. JACOBS
870 OSSIPPE LAKE ROAD
FREEDOM, NH 03836

BROCK STREET



GENERAL SITE PLAN NOTES:

1. TOTAL PARCEL AREA IS 7,894 SF / 0.18 ACRES.
2. THIS PARCEL IS LOCATED IN BUSINESS-1 ZONE.
3. THE PURPOSE OF THIS PLAN IS TO DEPICT THE CONVERSION OF THE EXISTING SINGLE FAMILY HOME TO AN ORTHODONTIST'S OFFICE AND THE CONSTRUCTION OF AN ADDITION OF 180 SQUARE FEET.
4. ALL EXISTING UTILITIES LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THEIR EXACT LOCATION PRIOR TO ANY WORK BEING PERFORMED.
5. THESE PLANS SHOW ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF SURVEY, AUGUST 09, 2011. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. FROM THESE PLANS, BUT IN EXISTENCE, IS NOT INTENDED OR IMPLIED.
6. DIMENSIONAL REGULATIONS PER ZONING ORDINANCE:
BUSINESS-1 ZONE (WITH WATER & SEWER):
MINIMUM LOT SIZE = NONE REQUIRED
MINIMUM LOT FRONTAGE = NONE REQUIRED
MINIMUM YARD SETBACK:
FRONT = NONE REQUIRED
SIDE = NONE REQUIRED
REAR = 25'
MAXIMUM LOT COVERAGE = NO REQUIREMENT
7. ORIENTATION: HORIZONTAL AND VERTICAL DATUMS - CITY OF ROCHESTER GIS.
8. SOIL TYPES ARE PER NATURAL RESOURCES CONSERVATION SERVICE.
W8B - WINDSOR LOAMY SAND; 3 TO 8% SLOPES
9. PARCEL IS NOT LOCATED WITHIN ZONE A (100YR FLOOD) AS SHOWN ON FIRM FLOOD INSURANCE RATE MAP, MAP NUMBER 33017C0211D.
10. THE LOT IS SERVICED BY THE MUNICIPAL WATER SUPPLY AND SEWER SYSTEM.
11. PARKING LOT REQUIREMENTS:
OFFICE-MEDICAL: ONE (1) SPACE PER 100 SQUARE FEET OF GROSS FLOOR OR 5 SPACES PER PROFESSIONAL AND 1 SPACE PER STAFF; WHICHEVER IS GREATER:
1,515 SQUARE FEET X 1 SPACE/100 SQUARE FEET = 15.2 SPACES
OR
1 PROFESSIONAL X 5 SPACES + 3 STAFF X 1 SPACE = 8 SPACES
TOTAL REQUIRED PARKING SPACES = 16 SPACES
TOTAL PROVIDED PARKING SPACES = 8 SPACES
12. FOR MORE INFORMATION ABOUT THIS SITE PLAN, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD ST., ROCHESTER, NH 03867. (603) 335-1338.
13. THIS DEVELOPMENT MUST BE IN COMPLIANCE WITH ALL APPLICABLE LAW - INCLUDING ALL PERTINENT PROVISIONS OF THE CITY OF ROCHESTER SITE PLAN REGULATIONS - UNLESS OTHERWISE WAIVED.
14. THE APPLICANT SHALL OBTAIN A STORMWATER MANAGEMENT PERMIT FROM THE PUBLIC WORKS DEPARTMENT (UNLESS DETERMINED TO BE UNNECESSARY BY THE CITY ENGINEER) AND FOLLOW THE REQUIREMENTS OF THE CITY ORDINANCE CHAPTER 50. THE PERMITTEE SHALL PREPARE A WRITTEN PLAN FOR MANAGING STORMWATER THAT ENTERS THE CONSTRUCTION SITE AND SHALL PRESENT IT TO THE INSPECTION ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE PERMITTEE SHALL FOLLOW BEST MANAGEMENT PRACTICES TO PREVENT EROSION IN AREAS WHERE SOIL HAS BEEN DISTURBED.
15. AN ORANGE CONSTRUCTION FENCE MUST BE PLACED ALONGSIDE THE WETLAND BUFFER PRIOR TO THE START OF CONSTRUCTION (THIS IS NOT A REQUIREMENT IF THE REQUIRED SILT FENCE IS ORANGE).
16. ACCESS INTO THE SITE FOR FIRE APPARATUS MUST BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PROCESS. THIS IS THE SOLE RESPONSIBILITY OF THE APPLICANT/DEVELOPER TO MAINTAIN THIS ACCESS. PLEASE CONTACT THE FIRE DEPARTMENT AT 330-7182 WITH ANY QUESTIONS ABOUT ACCESS REQUIREMENTS.

RECEIVED

Planning Dept.

TAX MAP 123, LOT 65

OWNER OF RECORD:
BERNARD P. HANSCOM
P.O. BOX 1371
ROCHESTER, NH 03868-1371
S.C.R.D. BOOK 1200, PAGE 207

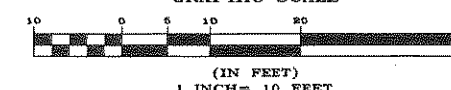
PROPOSED SITE PLAN
120 WASHINGTON STREET
TAX MAP 123, LOT 65
ROCHESTER, N.H.

FOR

JAMES J. NYBERG REVOCABLE TRUST

SCALE: 1" = 10' AUGUST 2011

GRAPHIC SCALE

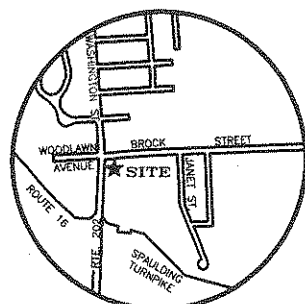


SHEET INDEX

| | | |
|-----------|---------------------------------------|----------|
| SHEET C-1 | OVERALL SITE PLAN | 1" = 10' |
| SHEET E-1 | EXISTING FEATURES AND DEMOLITION PLAN | 1" = 10' |
| SHEET C-2 | SITE LAYOUT PLAN | 1" = 10' |
| SHEET C-3 | GRADING AND DRAINAGE PLAN | 1" = 10' |
| SHEET C-4 | CONSTRUCTION DETAILS | AS SHOWN |
| SHEET C-5 | CONSTRUCTION DETAILS | AS SHOWN |

FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____ DATE _____

SIGNED BY _____ NAME _____ POSITION _____ DATE _____

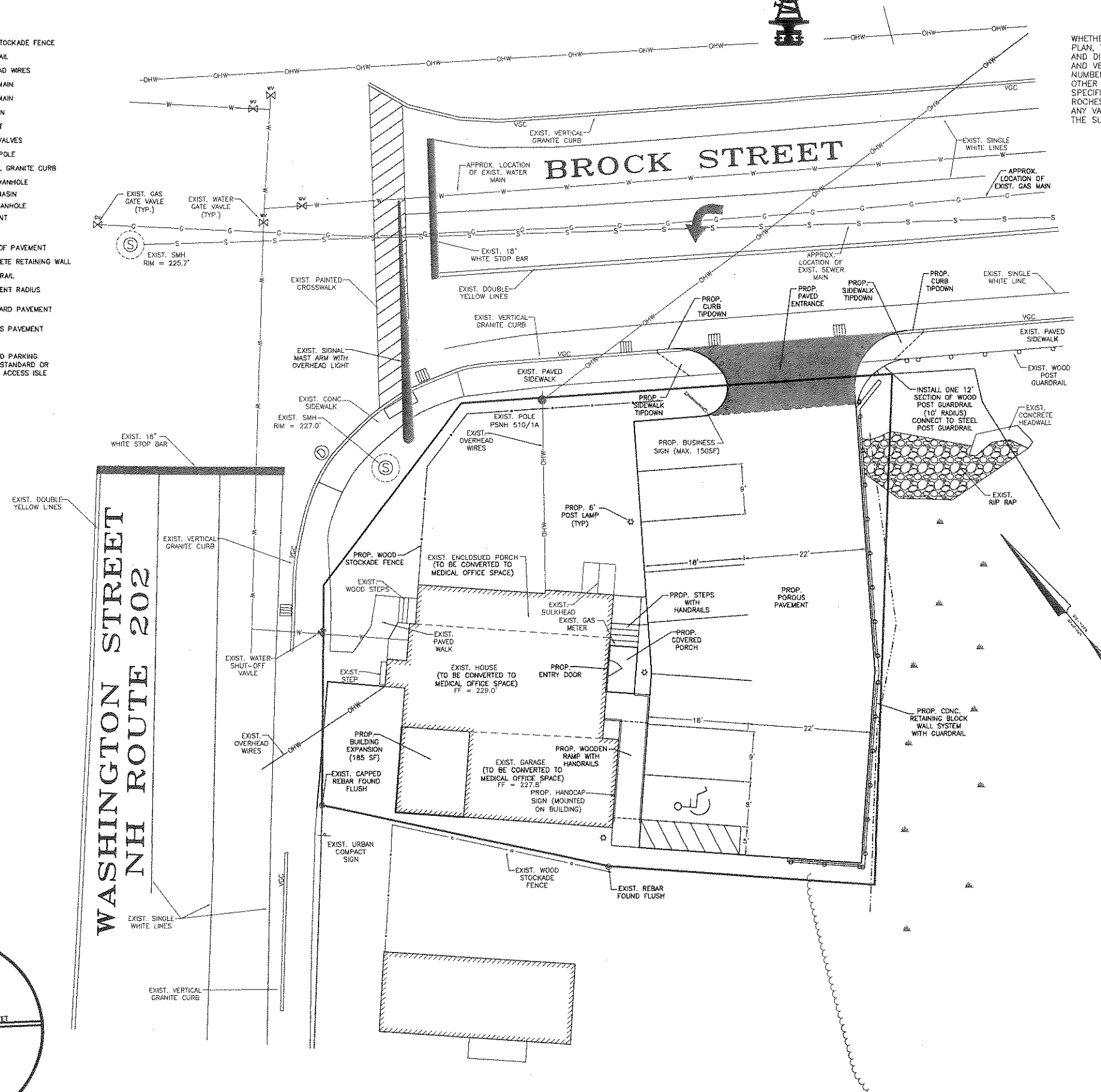


LOCUS
N.T.S.

FILE NO. 110
PLAN NO. C-2585-SP1
DWG. NO. 11051\SP-1
F.B. NO. "33" CEK

LEGEND

| | |
|------|---|
| — | PROPERTY LINE |
| — | EXISTING WOOD STOCKADE FENCE |
| — | EXISTING GUARDRAIL |
| — | EXISTING OVERHEAD WRES |
| — | EXISTING WATER MAIN |
| — | EXISTING SEWER MAIN |
| — | EXISTING GAS MAIN |
| — | EXISTING HYDRANT |
| — | EXISTING WATER VALVES |
| — | EXISTING UTILITY POLE |
| — | EXISTING VERTICAL GRANITE CURB |
| — | EXISTING SEWER MANHOLE |
| — | EXISTING CATCH BASIN |
| — | EXISTING DRAIN MANHOLE |
| — | EXISTING MONUMENT |
| — | EXISTING SIGN |
| — | PROPOSED EDGE OF PAVEMENT |
| — | PROPOSED CONCRETE RETAINING WALL |
| — | PROPOSED GUARDRAIL |
| R10' | PROPOSED PAVEMENT RADIUS |
| — | PROPOSED STANDARD PAVEMENT |
| — | PROPOSED POROUS PAVEMENT |
| — | PROPOSED PAINTED PARKING SPACES - 9'x18' STANDARD OR 8'x18' WITH 5'x18' ACCESS ISLE |



SITE REVIEW APPROVAL

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE REVIEW PLAN, THE SITE REVIEW APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/DEVELOPER TO ALL WRITTEN AND VERBAL REPRESENTATIONS MADE REGARDING SUCH MATTERS AS USE, NUMBER OF EMPLOYEES, DRAINAGE, CONSTRUCTION, ETC. AS WELL AS ALL OTHER TERMS, CONDITIONS, PROVISIONS, REQUIREMENTS AND SPECIFICATIONS OF THE SITE PLAN REVIEW REGULATIONS OF THE CITY OF ROCHESTER, N.H., AS AMENDED, IN EFFECT ON THE DATE OF APPROVAL. ANY VARIATION FROM THE PROPOSAL AS APPROVED MAY ALSO REQUIRE THE SUBMISSION AND APPROVAL OF A NEW SITE REVIEW APPLICATION.

THE NEW PARKING LOT ON THE SITE IS BUILT WITH POROUS PAVEMENT. IT MUST BE CAREFULLY MAINTAINED FOR OPTIMAL FUNCTIONING. SEE NOTES ON MAINTENANCE NOTES ON PAGE C-4.

TAX MAP 123, LOT 65

OWNER OF RECORD:
BERNARD P. HANSCOM
P.O. BOX 1371
ROCHESTER, NH 03868-1371
S.C.R.D. BOOK 1200, PAGE 207

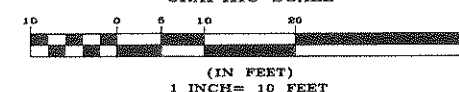
SITE LAYOUT PLAN
120 WASHINGTON STREET
TAX MAP 123, LOT 65
ROCHESTER, N.H.

FOR

JAMES J. NYBERG REVOCABLE TRUST

SCALE: 1" = 10' AUGUST 2011

GRAPHIC SCALE



FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____ DATE _____

SIGNED BY _____ POSITION _____ DATE _____

LUMINAIRE SCHEDULE

| Symbol | Label | Qty | Catalog Number | Description | Lamp | Lumens | LLF | Watts |
|--------|-------|-----|--|---|--------------------------|--------|------|-------|
| ☆ | S1 | 3 | American Electric Lighting 247 100M SC x R2 FC UL LD LDR with pole REF 50 5 54 ANK AEL | 247 SERIES 100W 2471 TYPE 2 MED FULL CUTOFF FIXTURE w/ 8 FT. POLE | 1 - 175 W MH Pulse Start | 14000 | 0.75 | 208 |

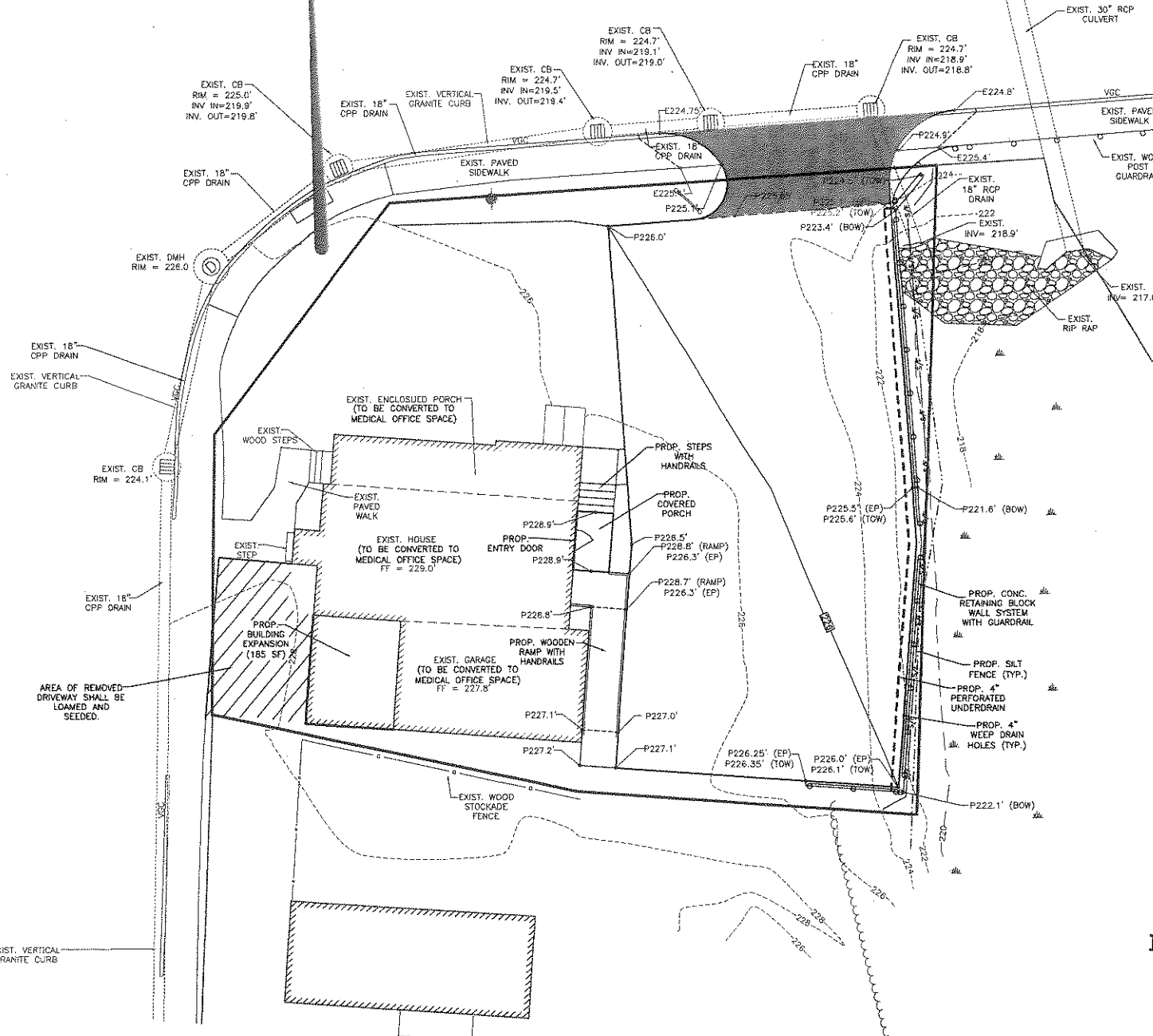
FILE NO. 110
PLAN NO. C-2585-SP1
DWG. NO. 11051\SP-1
F.B. NO. "33" CEK

LEGEND

- PROPERTY LINE
 ——— EXISTING WOOD STOCKADE FENCE
 ——— EXISTING GUARDRAIL
 ——— EXISTING TREE LINE
 ——— EXISTING DRAIN LINE
 - - - - - EXISTING CONTOUR LINE
 - - - - - EXISTING UTILITY POLE
 VGC EXISTING VERTICAL GRANITE CURB
 [] EXISTING CATCH BASIN
 [] EXISTING DRAIN MANHOLE
 E225.1 EXISTING SPOT GRADE
 ——— PROPOSED EDGE OF PAVEMENT
 ——— PROPOSED CONCRETE RETAINING WALL
 ——— PROPOSED GUARDRAIL
 - - - - - PROPOSED UNDERDRAIN PIPE
 - - - - - PROPOSED CONTOUR LINE
 - - - - - PROPOSED SILT FENCE
 P225.1 PROPOSED SPOT GRADE
 [] PROPOSED STANDARD PAVEMENT
 [] PROPOSED POROUS PAVEMENT

WASHINGTON STREET
NH ROUTE 202

BROCK STREET



GENERAL EROSION AND SEDIMENTATION CONTROL NOTES

1. INSTALL SILT FENCE AS SHOWN.
2. CUT TREES AND REMOVE ALL STUMPS OFF THE PROPERTY.
3. REMOVE THE LOAM AND VEGETATION FROM THE PARKING LOT, BUILDING AND BACKSLOPE AREAS. THE LOAM PILE SHALL BE STORED FOR USE LATER IN STABILIZING OLD DRIVEWAY AREA AND SIDESLOPES. THE LOAM PILE SHALL BE SEEDED FOR TEMPORARY PROTECTION SHOULD IT REMAIN INACTIVE FOR MORE THAN 30 DAYS.
4. REMOVE EXISTING GUARDRAIL AND CURBING AT PROPOSED ENTRANCE. CURBING AND GUARDRAIL SECTIONS SHALL BE RETURNED TO THE CITY OF ROCHESTER PUBLIC WORKS DEPARTMENT.
5. CONSTRUCT THE RETAINING BLOCK WALL SYSTEM PER THE MANUFACTURER'S REQUIREMENTS.
6. CONSTRUCT THE POROUS PAVEMENT PER THE REQUIREMENTS AS SHOWN ON THE PLANS.
7. CONSTRUCT BUILDING ADDITION AS SHOWN ON THE PLANS.
8. REMOVE EXISTING DRIVEWAY, REGRADE AND PLACE 4" LOAM AND SEED.
9. INSTALL GUARDRAIL, FENCE, LIGHTING, RAMP AND EXTERIOR STAIRS.
10. INSPECT AND REPAIR OR INSTALL ANY REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE, PERTINENT TO THE CONSTRUCTION OF THE SITE AS SHOWN ON THE "GRADING, DRAINAGE, EROSION CONTROL PLAN" SHEET C3 AFTER ANY STORM EVENT OF 0.5 INCHES OR GREATER.
11. THE CONTRACTOR SHALL REGULARLY REMOVE ALL SEDIMENTS FROM THE SUMPS OF THE CATCH BASINS AND SHALL CLEAN THE BASINS PRIOR TO COMPLETION.
12. ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE, BUT IN NO CASE SHALL BE LEFT UNSTABILIZED FOR MORE THAN 30 DAYS. BUILDINGS, PARKING LOTS, AND DRIVEWAYS SHALL BE CONSTRUCTED AS PRACTICABLE, BUT IN NO CASE SHALL BE LEFT UNPROTECTED OVER THE WINTER MONTHS.
13. AN AREA SHALL BE CONSIDERED STABLE IS ONE OF THE FOLLOWING HAS OCCURRED.
 - A. BASE COURSE GRAVEL HAS BEEN INSTALLED IN AREAS TO BE PAVED.
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
 - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
14. SEEDING FOR LONG TERM COVER: SEED MIXTURE:

| | LBS./ACRE | LBS./1000 SQ. FT. |
|---------------------|-----------|-------------------|
| TALL FESCUE | 20 | 0.45 |
| CREeping RED FESCUE | 20 | 0.45 |
| BIRDFOOT TREFOIL | 5 | 0.20 |
| TOTAL | 45 | 1.10 |

 NOTE: BIRDFOOT TREFOIL MUST BE INOCULATED.
 IF SOIL TEST IS NOT AVAILABLE THE FOLLOWING MINIMUM AMOUNTS SHALL BE USED: LIME - 2 TONS/ACRE OR 100 LBS/1000 SQ. FT.
 FERTILIZER - 500 LBS/ACRE OF 10-20-20 OR EQUAL.
 THE ABOVE SPECIFICATION FOR GRASS SEED SHALL BE USED FOR THE DETENTION BASIN.
17. SEEDING FOR TEMPORARY PROTECTION: SEED MIXTURE:

| | LBS./ACRE | LBS./1000 SQ. FT. |
|------------|-----------|-------------------|
| WINTER RYE | 112 | 2.50 |
18. HAY OR STRAW MULCH SHALL BE PLACED ON ALL DISTURBED AREAS AT A RATE OF 2 TONS/ACRE OR 90 LBS/1000 SQ. FT.
19. DURING ALL PHASES OF CONSTRUCTION DUST SHALL BE PREVENTED FROM BECOMING A SAFETY OR HEALTH HAZARD BY THE IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS WATERING.
20. ALL PARKING LOTS AND DRIVEWAYS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
21. ALL CUT AND FILL SLOPES SHALL BE LOADED AND SEEDED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
22. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
23. REMOVE TEMPORARY EROSION CONTROL (SILT FENCE) TO ELIMINATE FLOW IMPEDIMENTS ONCE SEED HAS GERMINATED AND GRASS IS FIRMLY ESTABLISHED.

GENERAL MAINTENANCE OF EROSION CONTROL STRUCTURES

1. ALL PERMANENT EROSION CONTROL STRUCTURES SHALL BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM.
2. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF ANY STORM EVENT OF 0.5 INCHES OR GREATER.
3. ALL DAMAGED STRUCTURES, TEMPORARY OR PERMANENT, SHALL BE REPAIRED IMMEDIATELY.
4. ALL DEBRIS, OBSTRUCTIONS AND SEDIMENT SHALL BE REMOVED AS NEEDED TO MAINTAIN PROPER PERFORMANCE. SEDIMENT AND DEBRIS SHALL BE DISPOSED OF PROPERLY IN APPROVED LOCATIONS.
5. ALL VEGETATION SHALL BE INSPECTED AND MAINTAINED AS DESIGNED. SEED AND FERTILIZER SHALL BE RE-APPLIED AS NEEDED.
6. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE AND INITIAL VEGETATIVE GROWTH IS ESTABLISHED.

WINTER CONSTRUCTION NOTES:

1. ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH OR NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER MHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

TAX MAP 123, LOT 65

OWNER OF RECORD:

BERNARD P. HANSCOM

P.O. BOX 1371

ROCHESTER, NH 03868-1371

S.C.R.D. BOOK 1200, PAGE 207

GRADING, DRAINAGE AND
EROSION AND SEDIMENTATION CONTROL PLAN
120 WASHINGTON STREET
TAX MAP 123, LOT 65
ROCHESTER, N.H.

FOR

JAMES J. NYBERG REVOCABLE TRUST

SCALE: 1" = 10'

AUGUST 2011

GRAPHIC SCALE



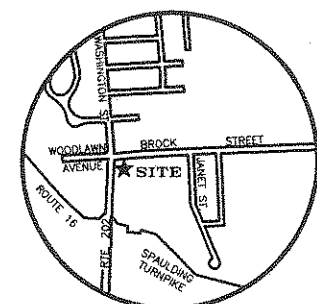
(IN FEET)
1 INCH = 10 FEET

FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____

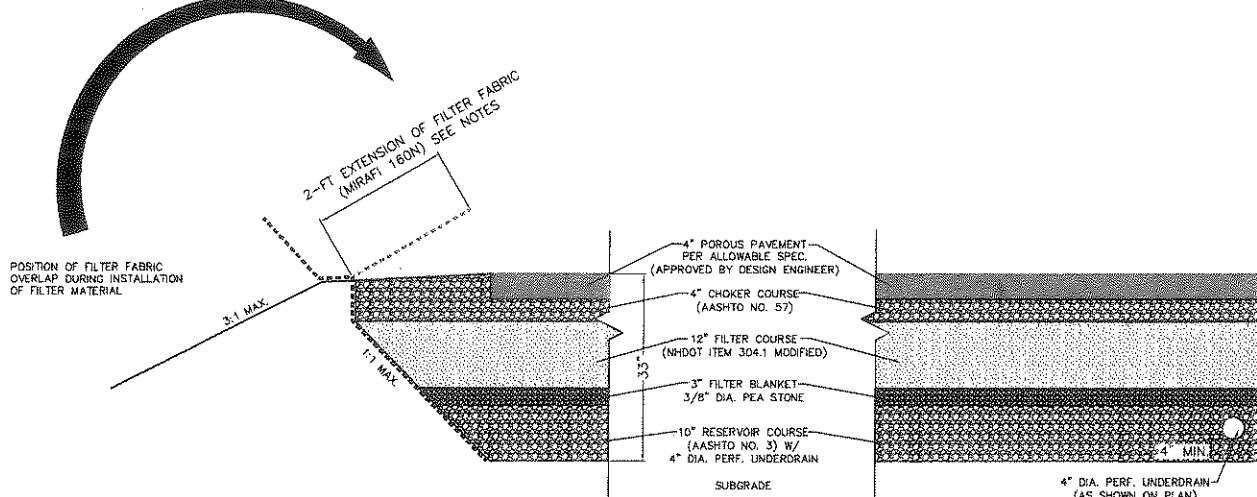
SIGNED BY _____ DATE _____
NAME POSITION DATE

NORWAY PLAINS ASSOCIATES, INC.

C-3

LOCUS
N.T.S.

FILE NO. 110
PLAN NO. C-2585-SP1
DWG. NO. 11051\SP-1
F.B. NO. "33" CEK



POROUS PAVEMENT DRIVEWAY CROSS-SECTION
NOT TO SCALE

POROUS PAVEMENT NOTES:

- THE MOST CURRENT SPECIFICATION FOR POROUS ASPHALT PAVEMENT AND INFILTRATION BEDS FOUND AT THE UNH STORMWATER CENTER WEBSITE, http://www.unh.edu/org/stev/pubs_specs_info.htm, SHALL BE CONSIDERED PART OF THIS DESIGN. DEVIATIONS FROM THAT SPECIFICATION OTHER THAN THOSE PRESENT IN THE DETAILS ON THIS SHEET SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
- ALL MATERIAL TO BE INSTALLED SHALL MEET THE SPECIFICATIONS DISCUSSED IN THE UNH STORMWATER SPECIFICATIONS FOUND IN THE ABOVE WEB ADDRESS AND BE FREE OF UNSUITABLE MATERIALS SUCH AS SILT, CLAY, ORGANIC MATERIAL, ROCKS LARGER THAN THE AGGREGATE SPECIFIED IN THE GRADATIONS, ETC.
- ONCE THE AREA FOR THE POROUS PAVEMENT HAS BEEN PREPARED TO SUBGRADE, LINE THE SIDES OF THE EXCAVATION THAT WILL BE EXPOSED TO NATIVE MATERIALS OR MATERIALS USED FOR SLOPE FILL WITH FILTER FABRIC, MIRAFI 160 N.
 - INSTALL FILTER FABRIC OVER THE AREA OF WETLAND FILL ONLY. DO NOT LINE THE REMAINING BOTTOM OF THE POROUS PAVEMENT AREA.
 - INSTALL FILTER FABRIC ON SIDES OF POROUS PAVEMENT AREA AS SHOWN IN THE DETAIL. OVERLAP FILTER FABRIC 18 INCHES WHERE JOINTS ARE NECESSARY.
 - FOLD 4-FT OF FABRIC OUT OVER FILL SLOPES DURING CONSTRUCTION OF THE POROUS MEDIA BED TO LIMIT INTRODUCTION OF SEDIMENT AND IMPURITIES TO THE FILTER.
 - ONCE THE FILTER MATERIAL IS PLACED THROUGH THE CHOKER COURSE FOLD THE 4-FT OVERLAP OVER THE FILTER MATERIAL TO PROTECT IT FROM SEDIMENT AND IMPURITIES UNTIL THE PAVEMENT IS PLACED.
 - DO NOT PAVE OVER THE FILTER FABRIC.
 - FOLD OVERLAP OVER PAVEMENT UNTIL VEGETATION IS ESTABLISHED ON ADJACENT SLOPE AREAS. REMOVE OVERLAPPING FABRIC ONCE VEGETATION IS ESTABLISHED, ELIMINATING THE THREAT OF DIRT AND OTHER MATERIALS MIGRATING ONTO THE PAVEMENT FROM THE LOADED AREAS.
- INSTALL RESERVOIR COURSE MATERIAL (AASHTO NO.3 OR AASHTO NO.5) IN AREAS WHERE CALLED FOR IN MAXIMUM 6 INCH LIFTS AND COMPACT TO 95% MAXIMUM PROCTOR DENSITY TO THE DEPTHS SPECIFIED IN THE TYPICAL CROSS SECTIONS.

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 2 INCH | 100% |
| 2 INCH | 90-100% |
| 1 1/2 INCH | 35-70% |
| 1 INCH | 0-15% |
| 3/4 INCH | 0-5% |

- INSTALL RESERVOIR COURSE (AASHTO NO. 3) GRADING REQUIREMENTS:

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 2 INCH | 100% |
| 2 INCH | 90-100% |
| 1 1/2 INCH | 35-70% |
| 1 INCH | 0-15% |
| 3/4 INCH | 0-5% |
- INSTALL FILTER COURSE MATERIAL (AASHTO NO.5) GRADING REQUIREMENTS:

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 1 1/2 INCH | 100% |
| 1 INCH | 90-100% |
| 3/4 INCH | 20-55% |
| 3/8 INCH | 0-10% |
| 3/8 INCH | 0-5% |
- INSTALL FILTER BLANKET MATERIAL (3/8\"/>

- INSTALL FILTER COURSE MATERIAL (ITEM 304.1 SAND) IN AREAS WHERE CALLED FOR IN MAXIMUM 6 INCH LIFTS AND COMPACT TO 95% MAXIMUM PROCTOR DENSITY TO THE DEPTHS SPECIFIED IN THE TYPICAL CROSS SECTIONS.

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 6 INCH | 100% |
| NO. 4 | 70-100% |
| NO. 200 | 0-5% |
- INSTALL CHOKER COURSE (AASHTO NO.57) IN AREAS OF POROUS PAVEMENT AS DEPICTED IN THE CROSS-SECTION.

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 1 1/2 INCH | 100% |
| 1 INCH | 95-100% |
| 3/4 INCH | 25-50% |
| NO. 4 | 0-10% |
| NO. 8 | 0-5% |

POROUS ASPHALT MIX SPECIFICATION:

- THE MOST CURRENT SPECIFICATION FOR POROUS ASPHALT PRODUCED BY THE UNH STORMWATER CENTER SHALL BE USED FOR THE POROUS PAVEMENT.
- ALTERNATIVE SPECIFICATIONS ARE ACCEPTABLE, MOST NOTABLY A NUMBER OF LOCALE MIX PLANTS PRODUCE POROUS ASPHALT WITH FIBER REINFORCEMENT IN LIEU OF THE LIQUID ADDITIVES SPECIFIED BY THE STORMWATER CENTER. IN THE EVENT AN ALTERNATIVE SPECIFICATION IS TO BE USED IT SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
- ALL POROUS ASPHALT SPECIFICATIONS SHALL MEET THE AIR VOID CONTENT BY CORELOK (ASTM D6752). AIR VOID SHALL BE BETWEEN 16-18%

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 3/4 INCH | 100% |
| 1/2 INCH | 85-100% |
| 3/8 INCH | 55-75% |
| NO. 4 | 10-25% |
| NO. 8 | 55-10% |
| NO. 200 | 2-4% |

ASPHALT CONTENT:
BINDER CONTENT (AASHTO T164) 6-6.5%
AIR VOID CONTENT BY CORELOK (ASTM D6752)* 16-20%
AIR VOID CONTENT BY PARAFFIN WAX (AASHTO T275)* 18-22%
DRAINDOWN (ASTM D8390)** <=0.3%
RETAINED TENSILE STRENGTH (AASHTO 283)*** >=80%

*EITHER METHOD IS ACCEPTABLE
**CELLULOSE OR MINERAL FIBERS MAY BE USED TO REDUCE DRAINDOWN
***THE TSP (RETAINED TENSILE STRENGTH) VALUES FALL BELOW 80% WHEN TESTED BY NAPA IS 131 (WITH A SINGLE FREEZE THAW CYCLE RATHER THAN 5). THE CONTRACTOR SHALL EMPLOY AN ANTI STRIP ADDITIVE, SUCH AS HYDRATED LIME (ASTM C977) OR A FATTY AMINE, TO RAISE THE TSP VALUE ABOVE 80%
4. THE DESIGN ENGINEER SHALL BE CONTACTED AND BE PRESENT FOR THE INSTALLATION OF EACH LAYER OF THE POROUS PAVEMENT SECTIONS TO INSURE THAT THE SUB-BASE, BANK RUN GRAVEL AND CHOKER COURSES ARE NOT OVER COMPACTED.

EQUIPMENT NOTES:

- HAULING EQUIPMENT:**
- THE OPEN GRADED MIX SHALL BE TRANSPORTED IN CLEAN VEHICLES WITH TIGHT, SMOOTH DUMP BEDS THAT HAVE BEEN SPRAYED WITH A NON-PETROLEUM RELEASE AGENT OR SOAP SOLUTION TO PREVENT THE MIX FROM ADHERING TO THE DUMP BODIES.
 - MINERAL FILLER, FINE AGGREGATE, SLAG DUST, ETC. SHALL NOT BE USED TO DUST TRUCK BEDS.
 - THE OPEN GRADED MIX SHALL BE COVERED DURING TRANSPORT WITH A SUITABLE MATERIAL OF SUCH SIZE SUFFICIENT TO PROTECT THE MIX FROM THE WEATHER AND ALSO TO MINIMIZE COOLING AND PREVENT LUMPS.
 - WHEN NECESSARY TO ENSURE THE DELIVERY OF MATERIAL AT THE SPECIFIED TEMPERATURE, THE TRUCK BODIES SHALL BE INSULATED AND COVERS SHALL BE FASTENED SECURELY.
 - LONG HAULS, ESPECIALLY THOSE IN EXCESS OF 25 MILES MAY RESULT IN SEPARATION OF THE MIX AND ITS REJECTION.

PLACING EQUIPMENT:

- THE PAVER SHALL BE A SELF-PROPELLED UNIT WITH AN ACTIVATED SCREED OR STRIKE OFF ASSEMBLY, CAPABLE OF BEING HEATED IF NECESSARY, AND CAPABLE OF SPREADING AND FINISHING THE MIX WITHOUT SEGREGATION FOR THE WIDTHS AND THICKNESSES REQUIRED.
- IN GENERAL, TRACKED PAVERS HAVE PROVED SUPERIOR FOR POROUS ASPHALT PLACEMENT.
- THE SCREED SHALL BE ADJUSTABLE TO PROVIDE THE DESIRED CROSS-SECTIONAL SHAPE.
- THE FINISHED SURFACE SHALL BE OF UNIFORM TEXTURE AND EVENNESS AND SHALL NOT SHOW ANY INDICATION OF TEARING, SHOWING, OR PULLING OF THE MIX.
- THE MACHINE SHALL, AT ALL TIMES, BE IN GOOD MECHANICAL CONDITION AND OPERATED BY COMPETENT PERSONNEL.
- PAVERS SHALL BE EQUIPPED WITH THE NECESSARY ATTACHMENTS, DESIGNED TO OPERATE ELECTRONICALLY, FOR CONTROLLING THE GRADE OF THE FINISHED SURFACE.
- THE ADJUSTMENTS AND ATTACHMENTS OF THE PAVER WILL BE CHECKED AND APPROVED BY THE ENGINEER BEFORE PLACEMENT OF ASPHALT MATERIAL.
- PAVERS SHALL BE EQUIPPED WITH A SLOPED PLATE TO PRODUCE A TAPERED EDGE AT LONGITUDINAL JOINTS. THE SLOPED PLATE SHALL BE ATTACHED TO THE PAVER SCREED EXTENSION.
- THE SLOPED PLATE SHALL PRODUCE A TAPERED EDGE HAVING A FACE SLOPE OF 3:1 (HORIZONTAL:VERTICAL). THE PLATE SHALL BE SO CONSTRUCTED AS TO ACCOMMODATE COMPACTED MAT THICKNESS FROM 35 TO 100 mm (1 1/4 TO 4 INCHES). THE BOTTOM OF THE SLOPED PLATE SHALL BE MOUNTED 10 TO 15 mm (3/8 TO 1/2 INCH) ABOVE THE EXISTING PAVEMENT. THE PLATE SHALL BE INTERCHANGEABLE ON EITHER SIDE OF THE SCREED.
- PAVERS SHALL BE EQUIPPED WITH A JOINT HEATER CAPABLE OF HEATING THE LONGITUDINAL EDGE OF THE PREVIOUSLY PLACED MAT TO THE SURFACE TEMPERATURE OF 95 C (200 F), OR HIGHER IF NECESSARY, TO ACHIEVE BONDING OF THE NEWLY PLACED MAT WITH THE PREVIOUSLY PLACED MAT. THIS SHALL BE DONE WITHOUT UNDUE BREAKING OF FRACTURING OF THE AGGREGATE AT THE INTERFACE. THE TEMPERATURE SHALL BE MEASURED IMMEDIATELY BEHIND THE JOINT HEATER.
- THE JOINT HEATER SHALL BE EQUIPPED WITH AUTOMATED CONTROLS THAT SHUT OFF THE BURNERS WHEN THE PAVEMENT MACHINE STOPS AND REIGNITE THEM WITH THE FORWARD MOVEMENT OF THE PAVER.
- THE JOINT HEATER SHALL HEAT THE ENTIRE AREA OF THE PREVIOUSLY PLACED WEDGE TO THE REQUIRED TEMPERATURE.
- HEATING SHALL IMMEDIATELY PRECEDE PLACEMENT OF THE ASPHALT MATERIAL.

ROLLING EQUIPMENT:

- ROLLERS SHALL BE IN GOOD MECHANICAL CONDITION, OPERATED BY COMPETENT PERSONNEL, CAPABLE OF REVERSING WITHOUT BACKLASH, AND OPERATED AT SPEEDS SLOW ENOUGH TO AVOID DISPLACEMENT OF THE ASPHALT MIXTURE.
- ROLLERS SHALL BE TWO-AXLE TANDEM ROLLERS WITH A GROSS MASS(WEIGHT) OF NOT LESS THAN 7 METRIC TONS (8 TONS) AND NOT MORE THAN 10 METRIC TONS (12 TONS) AND SHALL BE CAPABLE OF PROVIDING A MINIMUM COMPACTIVE EFFORT OF 44 kN/m (250 POUNDS PER SQ IN) OF WIDTH OF THE DRIVE ROLLER. ALL ROLLERS SHALL BE AT LEAST 1 m (42 INCHES) IN DIAMETER.
- ROLLERS SHALL BE EQUIPPED WITH TANKS AND SPRINKLING BARS FOR WETTING THE ROLLS.
- A RUBBER TIRE ROLLER WILL NOT BE REQUIRED ON THE OPENGRADED ASPHALT FRICTION COURSE SURFACE.

POROUS PAVEMENT PARKING AREA MAINTENANCE:

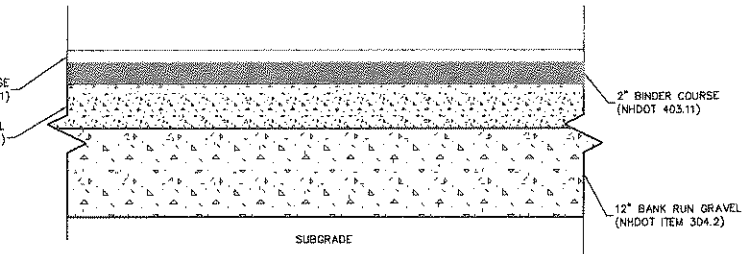
- THE POROUS PAVEMENT PARKING AREA SHALL BE VACUUM SWEEPED WITH A SWEEPER TRUCK THAT HAS A VACUUM CAPABILITY BI-ANNUALLY, ONCE IN THE SPRING TIME (APRIL 15- APRIL 30), AND ONCE IN THE FALL (OCTOBER 15-OCTOBER 30). THIS IS NECESSARY TO INSURE THE PROLONGED FUNCTION OF THE PAVEMENTS INFILTRATIVE CAPACITY.
- IT IS RECOMMENDED THAT PLOWING BE PERFORMED BY A PLOW VEHICLE WITH A PLOW THAT HAS RUBBER BLADE EDGE. THIS WILL LIMIT THE SCARRING OF THE PAVEMENT. HOWEVER, THIS IS NOT NECESSARY AND IS OPTIONAL. SANDING FOR WINTER TRACTION IS PROHIBITED. SALTING WITH NaCl IS PROHIBITED. DE-ICING AGENTS ARE PROHIBITED DUE TO THE PROXIMITY TO THE WETLANDS AND THE USE OF METAL STORAGE BUILDINGS THAT WOULD BE ADVERSELY AFFECTED.
- SNOW SHALL NOT BE STORED ON AREAS OF POROUS PAVEMENT. IT SHALL BE STORED OFF OF THE PAVED AREAS TO MINIMIZE FAILURE DUE TO FREEZING WITHIN THE PAVEMENT.
- REFER TO THE UNHSC WINTER MAINTENANCE FACT SHEET: http://www.unh.edu/org/stev/pubs_specs_info/winter_maintenance_fact_sheet.pdf
- ASPHALT SEAL COATING IS COMPLETELY FORBIDDEN. SURFACE SEAL COATING IRREVERSIBLY CLOGS THE PAVEMENT PORES.
- PLANTED AREAS (INCLUDING LAWN) ADJACENT TO THE POROUS PAVEMENT SHOULD BE WELL MAINTAINED TO PREVENT SOIL WASHOUT ONTO THE PAVEMENT. ANY OBSERVED BARE SPOTS OR ERODED AREAS SHOULD BE REPLANTED AND STABILIZED AT ONCE.
- IMMEDIATELY CLEAN ANY SOIL DEPOSITED ON PAVEMENT. DIRT GROUND INTO THE PORES OF THE ASPHALT CLOGS IT. THIS IS WHY TRACTOR TAILERS AND HEAVY LOAD FIXED READ DIFFERENTIAL VEHICLES ARE PROHIBITED AT THE SITE.
- CONSTRUCTION STAGING, SOIL/MULCH STORAGE, ETC. ON UNPROTECTED PAVEMENT SURFACES IS PROHIBITED.

POROUS PAVEMENT REPAIRS:

- POTHOLES/DAMAGED AREAS OF THE POROUS ASPHALT PAVEMENT LESS THAN 50-SQ.FT. IN SIZE CAN BE PATCHED BY ANY MEANS SUITABLE WITH STANDARD HOT MIX ASPHALT OR POROUS ASPHALT (PREFERRED).
- REPAIR OF DAMAGE GREATER THAN 50-SQ.FT. IN AREA REQUIRES THE DESIGN OF A PATCH TYPE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER.
- ANY REPAIR OF DRAINAGE STRUCTURES REQUIRED SHOULD BE PERFORMED IMMEDIATELY TO ENSURE PROPER FUNCTIONING OF THE SYSTEM.

TRANSFER OF OWNERSHIP:

- IN THE EVENT THE SITE IS SOLD TO ANOTHER PARTY, THAT NEW PARTY SHOULD BE MADE AWARE OF THE POROUS PAVEMENT, ITS PURPOSE AND SPECIAL MAINTENANCE REQUIREMENTS. THIS NOTIFICATION SHOULD BE DONE BOTH IN WRITING WITH THE INCLUSION OF A COPY OF THESE DESIGN MATERIALS AND VERBALLY.
- PLAN SETS AND OTHER INFORMATION ON THIS DESIGN CAN BE ACQUIRED FROM:
NORWAY PLAINS ASSOCIATES, INC.
P.O. BOX 249
2 CONTINENTAL BLVD
ROCHESTER, NH 03866-0249
PHONE: 603-335-3948
EMAIL: norway@norwayplains.com



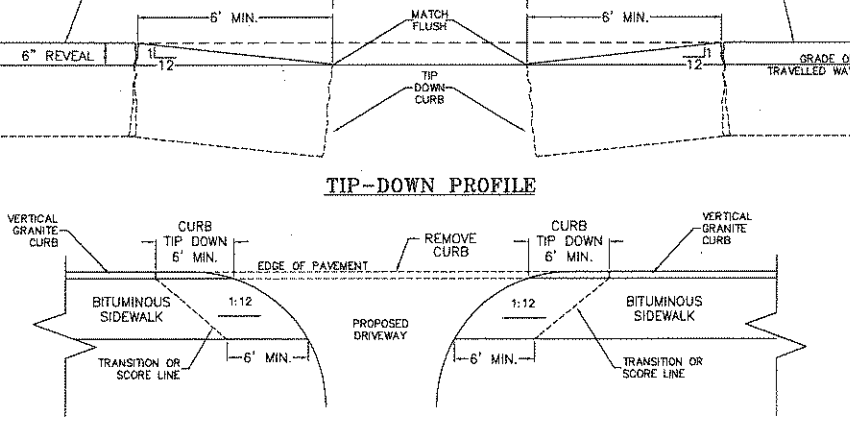
STANDARD HOT MIX PAVEMENT DRIVEWAY CROSS-SECTION
NOT TO SCALE

- STANDARD HOT MIX PAVEMENT NOTES:**
- ALL MATERIAL TO BE INSTALLED SHALL MEET NHDOT SPECIFICATIONS AND BE FREE OF UNSUITABLE MATERIALS SUCH AS SILT, CLAY, ORGANIC MATERIAL, ROCKS LARGER THAN THE AGGREGATE SPECIFIED IN THE GRAVEL OR CRUSHED GRAVEL GRADATIONS, ETC.
 - INSTALL BANK RUN GRAVELS IN AREAS WHERE CALLED FOR IN MAXIMUM 6 INCH LIFTS AND COMPACT TO 95% MAXIMUM PROCTOR DENSITY TO THE DEPTHS SPECIFIED IN THE TYPICAL CROSS SECTIONS.

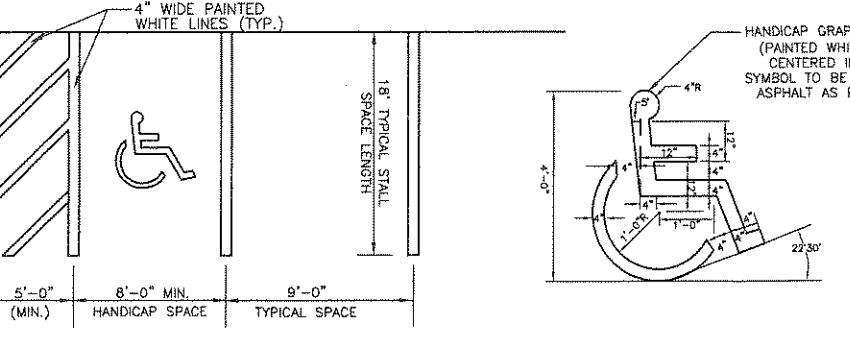
| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 6 INCH | 100% |
| NO. 4 | 25-70% |
| NO. 200 | 0-12% |
 - BANK RUN GRAVEL SHALL CONTAIN NO PARTICLES OF ROCK EXCEEDING SIX INCHES IN ANY DIMENSION.

| SIEVE DESIGNATION | PERCENTAGE BY WEIGHT SQUARE MESH SIEVE |
|-------------------|--|
| 3 INCH | 100% |
| 2 INCH | 95-100% |
| 1 INCH | 55-85% |
| NO. 4 | 27-52% |
| NO. 200 | 0-12% |

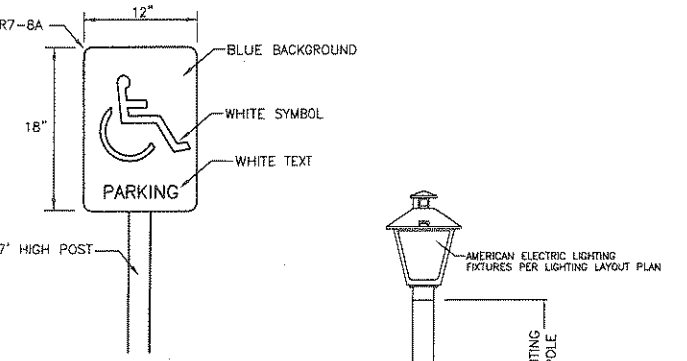
CRUSHED GRAVEL SHALL CONTAIN NO PARTICLES OF ROCK EXCEEDING THREE INCHES IN ANY DIMENSION.



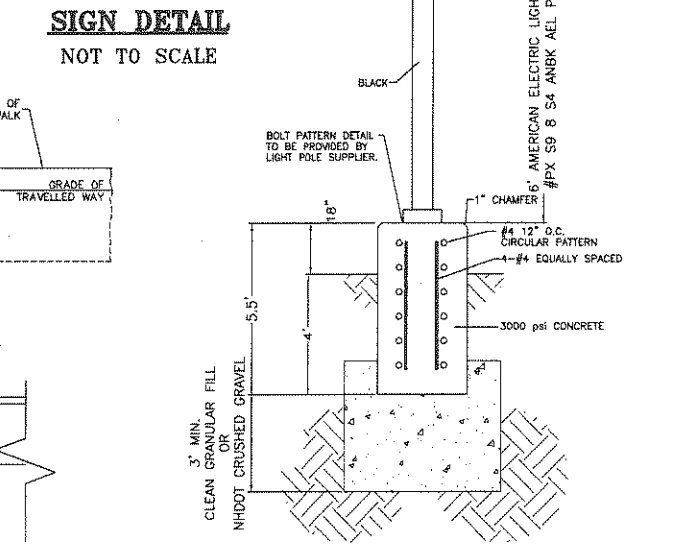
CURB TIP-DOWN PLAN & PROFILE DETAIL
NOT TO SCALE



STALL STRIPING DETAIL
NOT TO SCALE



SIGN DETAIL
NOT TO SCALE



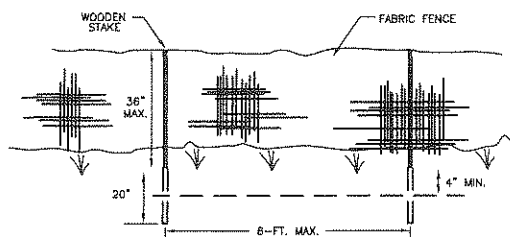
POST LIGHT DETAIL
NOT TO SCALE

- POLE MOUNTED LIGHTING SPECIFICATIONS:**
- ALL SITEWORK SHALL CONFORM TO CITY OF ROCHESTER STANDARDS AND LOCAL AUTHORITIES HAVING JURISDICTION.
 - ALL MATERIAL WORKMANSHIP SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING STANDARDS, NEW HAMPSHIRE ELECTRIC CODE, FIRE PROTECTION ASSOCIATION, NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION.
 - ALL EXTERIOR CONDUITS FOR LIGHTING SHALL BE 1 1/2\"/>

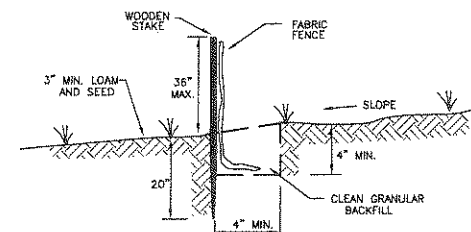
CONSTRUCTION DETAILS
120 WASHINGTON STREET
TAX MAP 123, LOT 65
ROCHESTER, N.H.

FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____ DATE _____
SIGNED BY _____ NAME _____ POSITION _____ DATE _____

FOR
JAMES J. NYBERG REVOCABLE TRUST
SCALE: AS SHOWN
AUGUST 2011



PROFILE



CROSS-SECTION

MAINTENANCE REQUIREMENTS

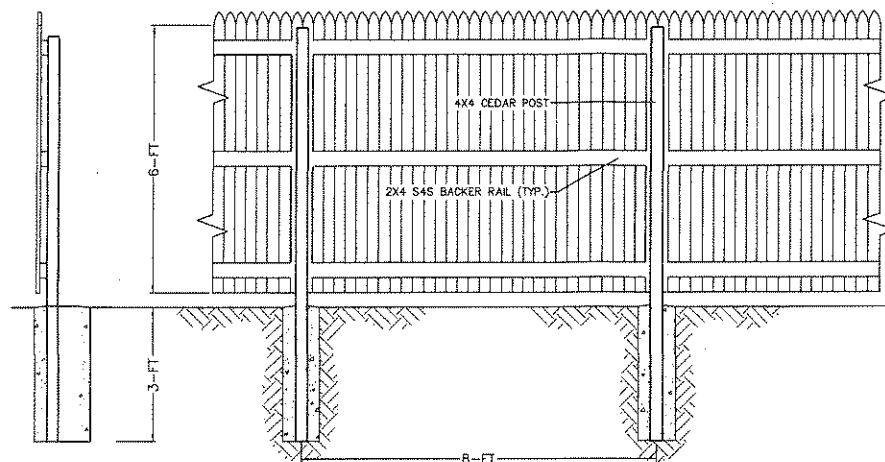
1. FENCES SHOULD BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALLS.
2. SEDIMENT DEPOSITION SHOULD BE REMOVED, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FENCE, AND MOVED TO AN APPROPRIATE LOCATION SO THE SEDIMENT IS NOT READILY TRANSPORTED BACK TOWARD THE SILT FENCE.
3. SILT FENCES SHOULD BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHOULD BE REPLACED WITH A TEMPORARY CHECK DAM.
4. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHOULD BE REPLACED PROMPTLY.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM TO THE EXISTING GRADE PREPARED AND SEEDED.
6. IF THERE IS EVIDENCE OF END FLOW ON PROPERLY INSTALLED BARRIERS, EXTEND BARRIERS UPHILL OR CONSIDER REPLACING THEM WITH OTHER MEASURES, SUCH AS TEMPORARY DIVERSIONS AND SEDIMENT TRAPS.
7. SILT FENCES HAVE A USEFUL LIFE OF ONE SEASON. ON LONGER CONSTRUCTION PROJECTS, SILT FENCE SHOULD BE REPAIRED PERIODICALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS.

CONSTRUCTION SPECIFICATIONS

1. FENCES SHOULD BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE FENCE. SEDIMENT BARRIERS SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA ABOVE THE FENCE SHOULD BE LESS THAN 1A ACRE PER 100 LINEAR FEET OF FENCE.
3. THE MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHOULD BE 100 FEET.
4. THE MAXIMUM SLOPE ABOVE THE FENCE SHOULD BE 2:1.
5. FENCES SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE, AND
 - A. THE ENDS OF THE FENCE SHOULD BE FLARED UPSLOPE.
 - B. THE FABRIC SHOULD BE EMBEDDED A MINIMUM OF 4 INCHES IN DEPTH AND INCHES IN WIDTH IN A TRENCH EXCAVATED INTO THE GROUND, OR IF SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE, OR THE PRESENCE OF HEAVY ROOTS, THE BASE OF THE FABRIC SHOULD BE EMBEDDED WITH A MINIMUM THICKNESS OF 8 INCHES OF 3/4-INCH STONE.
 - C. THE SOIL SHOULD BE COMPACTED OVER THE EMBEDDED FABRIC.
 - D. SUPPORT POSTS SHOULD BE SIZED AND ANCHORED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS WITH MAXIMUM POST SPACING OF 8 FEET.
 - E. ADJOINING SECTIONS OF THE FENCE SHOULD BE OVERLAPPED BY A MINIMUM OF 6 INCHES (24 INCHES IS PREFERRED), FOLDED AND STAPLED TO A SUPPORT POST, IF METAL POSTS ARE USED, FABRIC SHOULD BE WIRE-TIED DIRECTLY TO THE POSTS WITH THREE DIAGONAL TIES.
6. SILT FENCING SHOULD NOT BE STAPLED OR NAILED TO TREES.
7. THE FILTER FABRIC SHOULD BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHOULD BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER.
8. THE FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 DEGREES FAHRENHEIT TO 120 DEGREES FAHRENHEIT.
9. POSTS FOR SILT FENCES SHOULD BE EITHER 4-INCH DIAMETER WOOD OR 1.33 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHOULD HAVE PROJECTIONS FOR FASTENING WIRE TO THEM. POSTS SHOULD BE PLACED ON THE DOWN SLOPE SIDE OF THE FABRIC.
10. THE HEIGHT OF A SILT FENCE SHOULD NOT EXCEED 36 INCHES AS HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
11. THE FILTER FABRIC SHOULD BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHOULD BE SPLICED TOGETHER ONLY AT SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.
12. A MANUFACTURED SILT FENCE SYSTEM WITH INTEGRAL POSTS MAY BE USED.
13. POST SPACING SHOULD NOT EXCEED 8 FEET.
14. A TRENCH SHOULD BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UP GRADIENT FROM THE BARRIER.
15. THE STANDARD STRENGTH OF FILTER FABRIC SHOULD BE STAPLED OR WIRE TO THE POST, AND 8 INCHES OF THE FABRIC SHOULD BE EXTENDED INTO THE TRENCH. THE FABRIC SHOULD NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
16. THE TRENCH SHOULD BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
17. SILT FENCE MAY BE INSTALLED BY "SLICING" USING MECHANICAL EQUIPMENT SPECIFICALLY DESIGNED FOR THIS PROCEDURE. THE SLICING METHOD USES AN IMPLEMENT TOWED BEHIND A TRACTOR TO "PLOW" OR SLICE THE SILT FENCE MATERIAL INTO THE SOIL. THE SLICING METHOD MINIMALLY DISRUPTS THE SOIL UPWARD AND SLIGHTLY DISPLACES THE SOIL, MAINTAINING THE SOIL'S PROFILE AND CREATING AN OPTIMAL CONDITION FOR SUBSEQUENT MECHANICAL COMPACTION.
18. SILT FENCES SHOULD BE INSTALLED WITH "SMILES" OR "J-HOOKS" TO REDUCE THE DRAINAGE AREA THAT ANY SEGMENT WILL IMPOUND.
19. THE ENDS OF THE FENCE SHOULD BE TURNED UPHILL.
20. SILT FENCES PLACED AT THE TOE OF A SLOPE SHOULD BE SET AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND TO ALLOW FOR MAINTENANCE ACCESS WITHOUT DISTURBING THE SLOPE.
21. SILT FENCES SHOULD BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILTATION CONTROL FENCE DETAIL

NOT TO SCALE

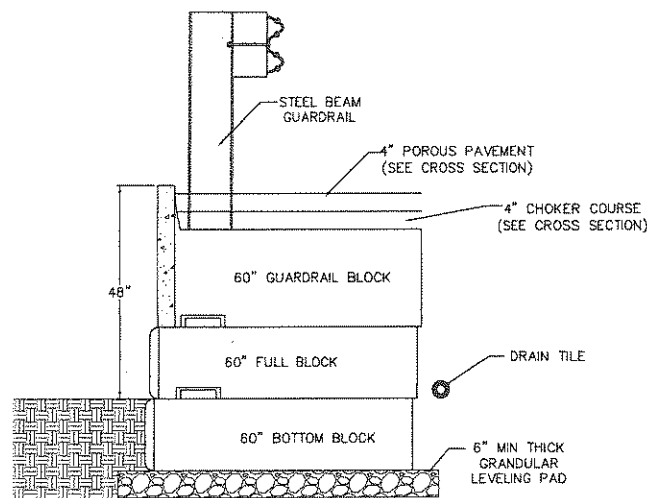


FENCE SPECIFICATIONS

1. FENCE POSTS SHALL BE 4"x4" CEDAR.
2. STOCKADE PANELS SHALL BE 6'-FT X 8'-FT #1 NORTHERN WHITE CEDAR.
3. BACKER RAILS SHALL BE 2x4x8'-FT S4S SQUARE END.

TYPICAL WOODEN STOCKADE DETAIL

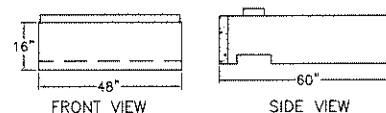
SCALE: 1/2"=1'



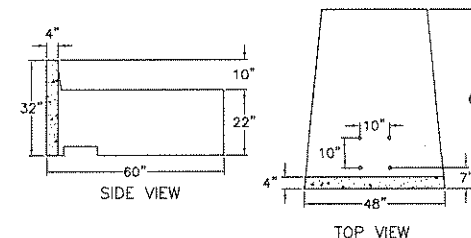
TYPICAL WALL SECTION

KEY ASSUMPTIONS AND NOTES:

1. MAXIMUM HEIGHT NON REINFORCED WALLS VARIES DEPENDING ON SOILS AND SITE CONDITIONS HIGHER WALLS BUILT USING GEO-GRID.
2. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
3. STANDARD FACE TEXTURE: NORTH SHORE GRANITE OR AVAILABLE BY SPECIAL ORDER: RUSTIC, LIMESTONE, ULD WORLD.
4. MINIMUM TURNING RADIUS: 15 FEET.
5. 1" SETBACK PER ROW ON A STRAIGHT WALL (ANGLE OF BATTER 3.6") CURVEDWALL 1"-2.7" PER ROW.
6. THIS WALL CROSS SECTION IS FOR A SPECIFIC SET OF SITE CONDITIONS. EACH WALL SHOULD BE PROPERLY DESIGNED AND ENGINEERED FOR SITE CONDITIONS.



60" FULL BLOCK



GUARD RAIL BLOCK

CONCRETE BLOCK RETAINING WALL DETAILS

NOT TO SCALE

CONSTRUCTION DETAILS

120 WASHINGTON STREET

TAX MAP 123, LOT 65

ROCHESTER, N.H.

FOR

JAMES J. NYBERG REVOCABLE TRUST

SCALE: AS SHOWN

AUGUST 2011

FILE NO. 110
PLAN NO. C-2585-SP1
DWG. NO. 11051\SP-1
P.E. NO. "33" CEK

FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____

SIGNED BY _____ NAME _____ POSITION _____ DATE _____