

LEGEND

PROPERTY LINE
BUILDING SETBACK LINES

NPA-OPUS
ROCH-GIS

MAP 215 - LOT 19
NORBERT THERRIEN &
TANA PROPERTIES LP
40 TEMPLE STREET
NASHUA, NH 03060

MILTON ROAD

MAP 215 - LOT 63
JAMES STOCK JR.
33 MILTON ROAD
ROCHESTER, NH 03868

MAP 215 - LOT 62
THOMAS & DIANNE AUBERT
5 GARY DRIVE
ROCHESTER, NH 03867

JARVIS AVENUE

EXISTING
60 SPACE
PARKING LOT

EXISTING
19 SPACE
PARKING LOT

EXISTING 30,150 SF
MANUFACTURING
BUILDING

PROP. 10,000 SF
MANUFACTURING
BUILDING ADDITION

MAP 215 - LOT 61
METROCAST CABLEVISION OF NH LLC
P.O. BOX 1450
ROCHESTER, NH 03866-1450

MAP 215 - LOT 58
TANA PROPERTIES LTD. PARTNERSHIP &
NORBERT THERRIEN REVOCABLE TRUST
C/O CRAIG THERRIEN, TRUSTEE
40 TEMPLE STREET
NASHUA, NH 03060

MAP 215 - LOT 56
NORBERT THERRIEN &
TANA PROPERTIES LP
40 TEMPLE STREET
NASHUA, NH 03060

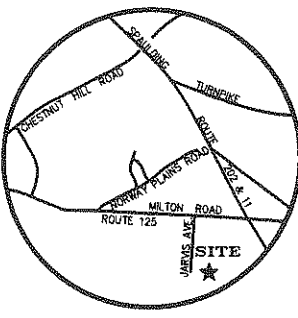
N.H. ROUTE 11 & U.S. ROUTE 202

- GENERAL SITE PLAN NOTES:
- TOTAL PARCEL AREA IS 37 ACRES.
 - THIS PARCEL IS LOCATED IN INDUSTRIAL-2 (I2) ZONE AND CONSERVATION OVERLAY DISTRICT (COD).
 - THE PURPOSE OF THIS PLAN IS TO DEPICT A PROPOSED ONE STORY, 10,000 S.F. BUILDING ADDITION.
 - ALL EXISTING UTILITIES LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THEIR EXACT LOCATION PRIOR TO ANY WORK BEING PERFORMED.
 - THESE PLANS SHOW ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF SURVEY. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. FROM THESE PLANS, BUT IN EXISTENCE, IS NOT INTENDED OR IMPLIED.
 - DIMENSIONAL REGULATIONS PER ZONING ORDINANCE:
INDUSTRY 2 ZONE (WITH WATER ONLY):
MINIMUM LOT SIZE = 30,000 SQUARE FEET
MINIMUM LOT FRONTAGE = NO REGULATIONS
MINIMUM YARD SETBACK:
FRONT - NO REGULATIONS
SIDE - NO REGULATIONS
REAR = 25'
 - MAXIMUM LOT COVERAGE = 60%
 - ORIENTATION: HORIZONTAL AND VERTICAL DATUMS - CITY OF ROCHESTER GIS.
 - SOIL TYPES ARE PER NATURAL RESOURCES CONSERVATION SERVICE:
MP - MUCH AND PEAT
GB - GLOUCESTER FINE SANDY LOAM; 3 TO 8% SLOPES
GBB - GLOUCESTER VERY STONY FINE SANDY LOAM; 3 TO 8% SLOPES
LMB - LEICESTER VERY STONY FINE SANDY LOAM; 3 TO 8% SLOPES
MP - MUCH AND PEAT
SCA - SCANTIC SILT LOAM; 0 TO 3% SLOPES
Sb - SAUGATUCK LOAMY SAND
Swa - SWANTON FINE SANDY LOAM; 0 TO 3% SLOPES
 - PARCEL IS NOT LOCATED WITHIN ZONE A (100YR FLOOD) AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY MAP, COMMUNITY #33017501900.
 - THE LOT IS SERVICED BY ON SITE SEPTIC AND THE MUNICIPAL WATER SUPPLY.
 - FOR MORE INFORMATION ABOUT THIS SITE PLAN, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD ST., ROCHESTER, NH 03867, (603) 335-1338.
 - THERE IS A 50 FOOT BUFFER REQUIREMENT FROM WETLANDS UNDER THE CITY OF ROCHESTER ZONING ORDINANCE AS SHOWN ON THE PLAN. THERE MAY BE NO ENCROACHMENT WITHIN THESE BUFFERS EXCEPT AS PERMITTED UNDER THE ORDINANCE.
 - 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.
 - 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.
 - 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.
 - PARKING REQUIREMENTS:
INDUSTRIAL MANUFACTURING: ONE (1) SPACE PER 600 SQUARE FEET OF GROSS FLOOR OR
1 SPACE PER 1.5 EMPLOYEES ON THE LARGEST STAFF, WHICHEVER IS GREATER:
40,150 SQUARE FEET X 1 SPACE/600 SQUARE FEET = 67 SPACES
OR
60 EMPLOYEES X 1 SPACES/1.5 EMPLOYEES = 40 SPACES
TOTAL REQUIRED PARKING SPACES = 67 SPACES
TOTAL PROVIDED PARKING SPACES = 79 SPACES
 - WIDES WETLAND PERMIT APPROVAL #2011-02569.

MAP	LOT	NAME	ADDRESS
215	19	Norbert Therrien & Tana Properties LP	40 Temple St., Nashua, NH 03060
215	21	K&B Reflections, Inc.	112 Walnut St., Rochester, NH 03867
215	23	Janet L. Davis Revocable Trust	105 Lovell Lake Rd., Sanbornville, NH 03872
215	24	Federal Home Loan Mort. Corp.	5000 Plano Parkway, Carrollton, TX 75010
215	25	Royce & Diana Alley	47 Old Milton Rd., Rochester, NH 03868
215	27	Albert & Patricia Dumont	62 Nutes Rd., Milton, NH 03851
215	53	BGP A, LLC	41 Spruce Pond Drive, Strafford, NH 03864
215	54	Richard & Mary Munroe	61 Milton Rd., Rochester, NH 03868
215	55	Richard Gosselin	36 Phillips Lane, Rochester, NH 03868
215	56	Same as 215-19	
215	58	Norbert Therrien Revocable Trust & Tana Properties	40 Temple Street, Nashua, NH 03060
215	61	Metrocast Cablevision of NH, LLC	P.O. Box 1450, Rochester, NH 03866-1450
215	62	Thomas & Dianne Aubert	5 Gary Drive, Rochester, NH 03867
215	63	James Stock, Jr.	33 Milton Rd., Rochester, NH 03868

SHEET INDEX

SHEET C-1	OVERALL SITE PLAN	1" = 100'
SHEET E-1	EXISTING FEATURES PLAN	1" = 30'
SHEET C-2	SITE LAYOUT PLAN	1" = 30'
SHEET C-3	CONSTRUCTION DETAILS	AS SHOWN



LOCUS
N.T.S.

FILE NO. 118
PLAN NO. C-2221-SP1
DWG. NO. 11085\SP-1
F.B. NO. "33" CEK

REFERENCE PLANS:

- "PLAN OF LAND OF TAMPOSI, NASH AND THERRIEN TO BE OPTIONED TO THE CITY OF ROCHESTER, NEW HAMPSHIRE" DATED FEBRUARY 20, 1987 BY BERRY CONSTRUCTION CO.
- "SUBDIVISION OF LAND ROCHESTER, N.H. FOR SANFORD PUBLISHING CO., DBA COURIER PUBLISHING CO." DATED FEBRUARY 02, 1988 BY NORWAY PLAINS SURVEY ASSOCIATES, INC. RECORDED: SCRD PLAN NO. 29-43
- "SITE PLAN - JARVIS AVENUE - ROCHESTER, NH FOR METROCAST CABLEVISION" DATED SEPTEMBER 2003 BY NORWAY PLAINS SURVEY ASSOCIATES, INC.
- "SITE PLAN - JARVIS AVENUE - ROCHESTER, NH FOR METROCAST CABLEVISION" DATED MAY 2006 BY NORWAY PLAINS SURVEY ASSOCIATES, INC.

FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON

SIGNED BY _____ DATE _____
NAME POSITION DATE

TAX MAP 215, LOT 59

OWNER OF RECORD:
JARVIS CUTTING TOOLS, INC.
100 JARVIS AVENUE
ROCHESTER, NH 03868-8811
S.C.R.D. BOOK 939, PAGE 289

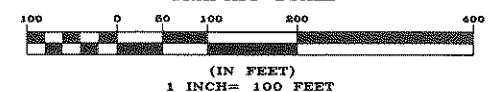
OVERALL SITE PLAN
100 JARVIS AVENUE
TAX MAP 215, LOT 59
ROCHESTER, N.H.

FOR

JARVIS CUTTING TOOLS, INC.

SCALE: 1" = 100' JANUARY 2012

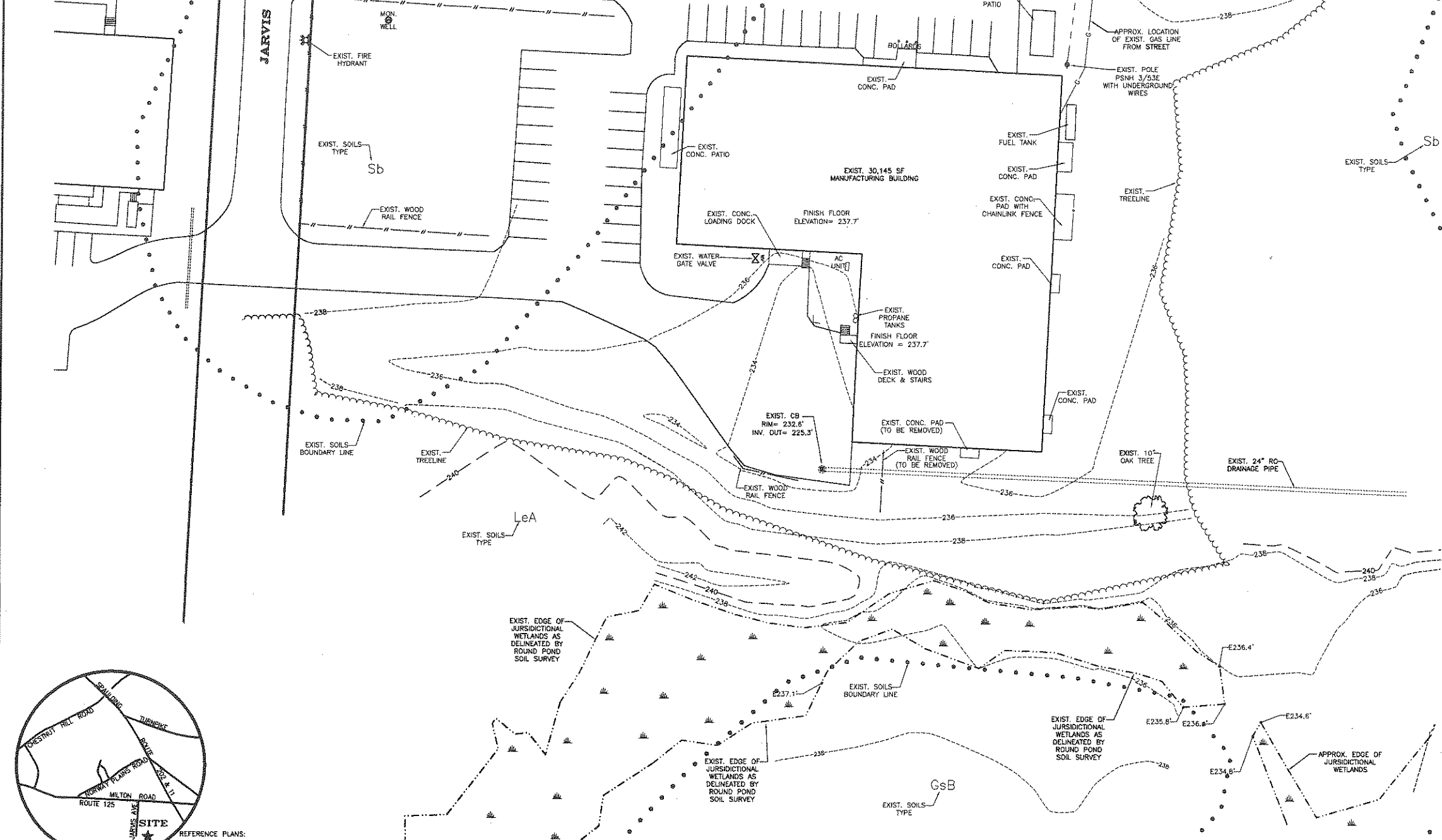
GRAPHIC SCALE





- LEGEND**
- PROPERTY LINE
 - BUILDING SETBACK LINES
 - EDGE OF JURISDICTIONAL WETLANDS
 - SOIL TYPE BOUNDARY LINE
 - EXISTING WOOD RAIL FENCE
 - EXISTING TREE LINE
 - EXISTING OVERHEAD WIRES
 - EXISTING DRAIN LINE
 - 258 EXISTING CONTOUR LINE
 - EXISTING HYDRANT
 - EXISTING WATER VALVES
 - EXISTING UTILITY POLE
 - EXISTING SEWER MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING DRAIN MANHOLE
 - EXISTING MONUMENT
 - EXISTING SIGN

MAP 215 - LOT 51
METROCAST CABLEVISION OF NH LLC
P.O. BOX 1450
ROCHESTER, NH 03866-1450

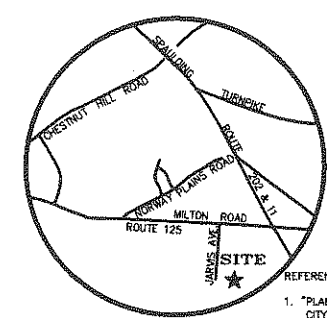
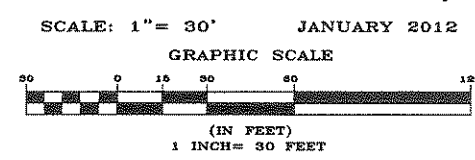


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TAX MAP 215, LOT 59
OWNER OF RECORD:
JARVIS CUTTING TOOLS, INC
100 JARVIS AVENUE
ROCHESTER, NH 03868-8811
S.C.R.D. BOOK 939, PAGE 269

EXISTING FEATURES PLAN
100 JARVIS AVENUE
TAX MAP 215, LOT 59
ROCHESTER, N.H.

FOR
JARVIS CUTTING TOOLS, INC.



- REFERENCE PLANS:**
- "PLAN OF LAND OF TAMPOS, NASH AND THERRIEN TO BE OPTIONED TO THE CITY OF ROCHESTER, NEW HAMPSHIRE" DATED FEBRUARY 20, 1967 BY BERRY CONSTRUCTION CO.
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 - "SITE PLAN - JARVIS AVENUE - ROCHESTER, NH FOR METROCAST CABLEVISION" DATED SEPTEMBER 2003 BY NORWAY PLAINS SURVEY ASSOCIATES, INC.
 - "SITE PLAN - JARVIS AVENUE - ROCHESTER, NH FOR METROCAST CABLEVISION" DATED MAY 2008 BY NORWAY PLAINS SURVEY ASSOCIATES, INC.

FILE NO. 118
PLAN NO. C-2221-SP1
DWG. NO. 11085/SP-1
F.B. NO. "33" CEK

FINAL APPROVAL BY THE
ROCHESTER PLANNING BOARD ON _____ DATE _____

SIGNED BY _____ NAME _____ POSITION _____ DATE _____

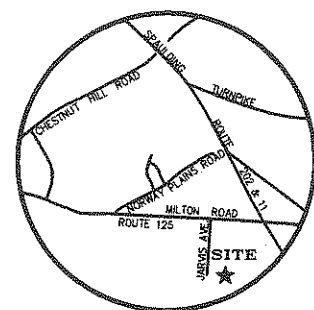


LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINES
- EDGE OF JURISDICTIONAL WETLANDS
- SOIL TYPE BOUNDARY LINE
- EXISTING WOOD RAIL FENCE
- EXISTING TREE LINE
- OHW
- EXISTING OVERHEAD WIRES
- EXISTING DRAIN LINE
- EXISTING CONTOUR LINE
- EXISTING HYDRANT
- EXISTING WATER VALVES
- EXISTING UTILITY POLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN
- EXISTING DRAIN MANHOLE
- EXISTING MONUMENT
- EXISTING SIGN
- EXISTING SPOT GRADE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED CONTOUR LINE
- PROPOSED DRAIN LINE
- PROPOSED LIMIT OF WETLANDS IMPACT
- PROPOSED SILT FENCE
- PROPOSED SPOT GRADE
- PROPOSED CATCH BASIN
- PROPOSED WETLANDS IMPACT AREA

MAP 215 - LOT 61
METROCAST CABLEVISION OF NH LLC
P.O. BOX 1450
ROCHESTER, NH 03866-1450

JARVIS AVENUE



LOCUS
N.T.S.

FILE NO. 118
PLAN NO. C-2221-SP1
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TAX MAP 215, LOT 59

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100 JARVIS AVENUE
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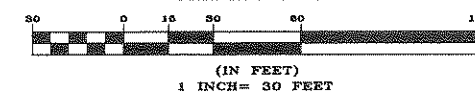
SITE PLAN
100 JARVIS AVENUE
TAX MAP 215, LOT 59
ROCHESTER, N.H.

FOR

JARVIS CUTTING TOOLS, INC.

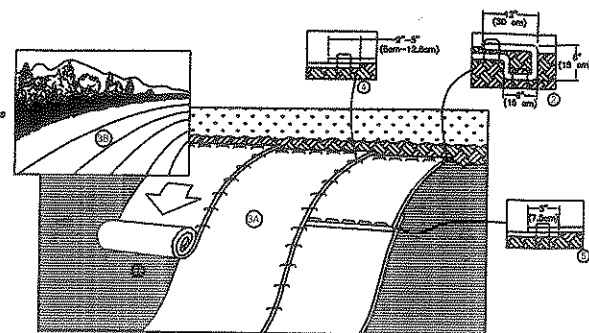
SCALE: 1" = 30' JANUARY 2012

GRAPHIC SCALE



NORWAY PLAINS ASSOCIATES, INC.

NORTH AMERICAN GREEN
EROSION CONTROL PRODUCTS
Guaranteed SOLUTIONS
14840 HIGHWAY 41 NORTH
EVANSVILLE, IN 47725
800-772-2040
www.nagreen.com



SLOPE INSTALLATION

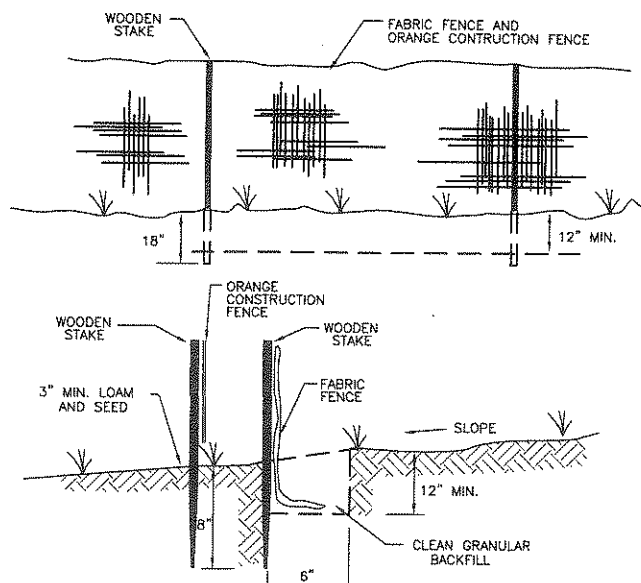
TEMPORARY EROSION CONTROL BLANKET DETAIL

NOT TO SCALE

- MAINTENANCE REQUIREMENTS:**
1. ALL BLANKET AND MATS SHOULD BE INSPECTED WEEKLY DURING THE CONSTRUCTION PERIOD, AND AFTER ANY RAINFALL EVENT EXCEEDING 1/2 INCH IN A 24-HOUR PERIOD.
 2. ANY FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUT OF THE SLOPE, DISPLACEMENT OF THE MAT, OR DAMAGE TO THE MAT OCCURS, THE AFFECTED SLOPE SHALL BE REPAIRED AND RESEED, AND THE AFFECTED AREA OF MAT SHALL BE RE-INSTALLED.

CONSTRUCTION SPECIFICATIONS:

1. MANUFACTURE'S INSTALLATION INSTRUCTIONS:
 - A. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIQUID FERTILIZER AND SEED.
 - NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - B. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
 - C. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 - D. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
 - E. CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.
 - NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.
2. SITE PREPARATION:
 - A. PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE COMPLETE CONTACT OF THE PROTECTION MATTING WITH THE SOIL. GRADE AND SHAPE AREA IF INSTALLATION.
 - B. REMOVE ALL ROCKS, CLDS, TRASH, VEGETATIVE OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED BLANKETS WILL HAVE DIRECT CONTACT WITH THE SOIL.
 - C. PREPARE SEEDING BY LOOSENING 2-3 INCHES OF TOPSOIL ABOVE FINAL GRADE.
 - D. INCORPORATE AMENDMENTS, SUCH AS LIME AND FERTILIZER, INTO SOIL ACCORDING TO SOIL TEST AND THE SEEDING PLAN.
3. SEEDING:
 - A. SEED AREA BEFORE BLANKET INSTALLATION FOR EROSION CONTROL AND REVEGETATION. SEEDING AFTER MAT INSTALLATION IS OFTEN SPECIFIED FOR TURF REINFORCEMENT APPLICATIONS. WHEN SEEDING PRIOR TO BLANKET INSTALLATION, ALL CHECK SLOTS AND OTHER AREAS UNCOVERED DURING INSTALLATION MUST BE RESEED.
 - B. WHEN SOIL FILLING IS SPECIFIED, SEED THE MATTING AND THE ENTIRE DISTURBED AREA AFTER INSTALLATION AND PRIOR TO FILLING THE MAT WITH SOIL.

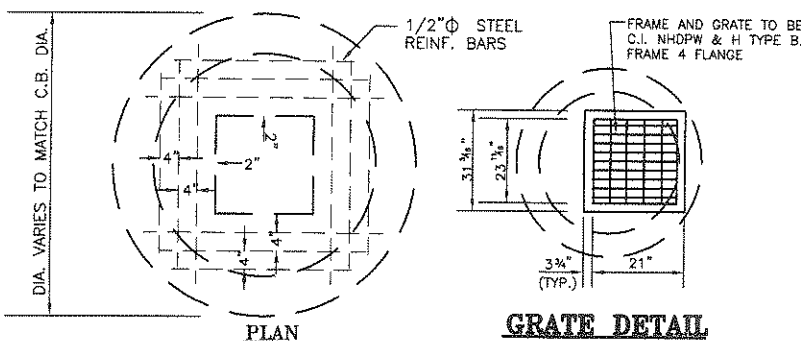


SILTATION CONTROL FENCE AND CONSTRUCTION FENCE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

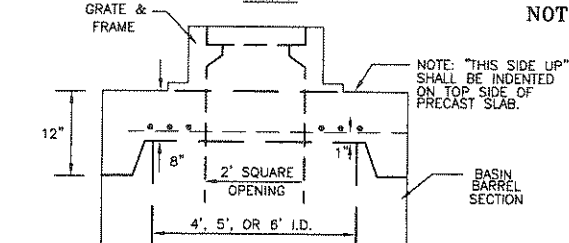
1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
 2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
 3. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOODEN STAKES OR AN INTEGRAL PART OF THE FENCE.
 4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.
 5. WOODEN STAKES SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
 6. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.
- MAINTENANCE:**
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
 3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
 4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE REGRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.



PLAN

GRATE DETAIL

NOT TO SCALE



ELEVATION

REINFORCED CONCRETE SLAB COVER

NOT TO SCALE

- NOTE:**
1. SLAB TO BE PLACED IN LIEU OF TAPERED SECTION WHERE PIPE WOULD OTHERWISE ENTER INTO TAPERED SECTION OF THE STRUCTURE AND WHERE PERMITTED.
 2. SLAB TOP MAY BE CASTED WITH MINIMUM OR NO INTERLOCKING CHANNEL. HOWEVER, THE CONTRACTOR MUST ENSURE THE SLAB TOP IS FIRMLY ATTACHED TO THE STRUCTURE.

FILE NO. 118
PLAN NO. C-2221-SP1
DWG. NO. 11085/SP-1
F.B. NO. "33" CEK

DRAIN LINE DIAMETER	SUM OF DRAIN LINE DIAMETER	CATCH BASIN DIAMETER
16" TO 18"	LESS THAN 54"	4'
21" TO 27"	LESS THAN 72"	5'
30" TO 33"	LESS THAN 90"	6'
36" & LARGER	GREATER THAN 90"	REFER TO THE STANDARD

NOTES:

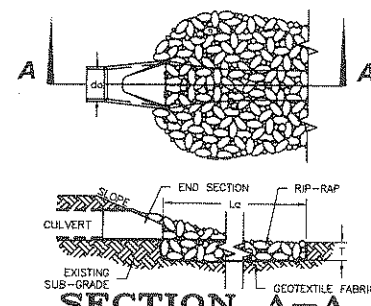
1. CONCRETE: 4000 PSI AFTER 28 DAYS.
2. REINFORCING: SHALL BE PROVIDED FOR H-20 LOADING.
3. SHIELD JOINTS SEALED WITH 1 STRIP OF BUTYL RUBBER SEALANT.
4. PIPE OPENINGS CAST IN AS REQUIRED.
5. RISER HEIGHT VARIES 1', 2', 3' OR 4' TO REACH DESIRED DEPTH.
6. PIPE CONNECTIONS SHALL BE MORTARED.
7. PRECAST SECTIONS SHALL CONFORM TO ASTM C-478.
8. SEE SLAB TOP DETAIL FOR STRUCTURES REQUIRING SLAB TOPS, I.E. DOUBLE GRATE AND FRAME STRUCTURES.

PRE-CAST REINFORCED CATCH BASIN

NOT TO SCALE

NOT TO SCALE

NORWAY PLAINS ASSOCIATES, INC.



SECTION A-A

(PIPE OUTLET TO WELL DEFINED CHANNEL)

RIP-RAP GRADATION

% OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE (INCHES)
100	5 TO 6
85	4 TO 5
50	3 TO 4
15	2 TO 3

APRON DIMENSION TABLE

PIPE OUTLET	W ₀	W	L ₀	T	450
24" RCP OUTLET FROM EXIST. CB	6'	12'	15'	9"	3"

PIPE OUTLET PROTECTION

NOT TO SCALE

NOTES:

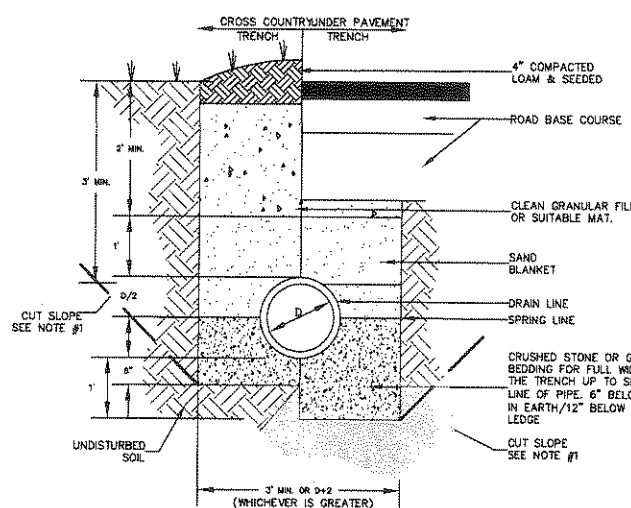
1. ALL PIPE CULVERTS SHALL HAVE END SECTIONS OR HEADWALLS. END SECTION MATERIAL AND MANUFACTURER SHALL MATCH THAT OF THE PIPE CULVERT.
2. THE LARGEST RIP-RAP SIZE DETERMINED DURING HYDROLOGIC ANALYSIS HAS BEEN USED FOR ALL OUTLETS FOR ECONOMY AND SIMPLICITY.
3. APRON LENGTHS, WIDTHS AND THICKNESSES HAVE BEEN ROUNDED UP TO WHOLE NUMBERS FOR EASE OF CONSTRUCTION.

CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SUB-GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP-RAP TO THE GRADES SHOWN ON THE PLANS.
2. MINIMUM 6" SAND/GRAVEL BEDDING OR GEOTEXTILE FABRIC REQUIRED UNDER ALL ROCK RIP-RAP.
3. THE ROCK OR GRAVEL USED FOR FILTER OR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
4. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF ROCK RIP-RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO (2) PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
5. STONE FOR THE RIP-RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
6. RIP-RAP SIZE CHOSEN FOR THE WORST CASE OF ALL OUTLETS. ALL RIP-RAP USED FOR PIPE OUTLET PROTECTION WILL HAVE THE SAME GRADATION AND THICKNESS.

MAINTENANCE NOTES:

1. OUTLETS SHALL BE INSPECTED AND CLEANED ANNUALLY AND AFTER ANY MAJOR STORM EVENT. ANY EROSION OR DAMAGE TO THE RIP-RAP SHALL BE REPAIRED IMMEDIATELY.
2. THE CHANNEL IMMEDIATELY DOWNSTREAM FROM THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING.
3. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.



NOTES:

1. PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT. REQUIRE THE USE OF A TRENCH BOX.
2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN PLAN.
3. SAND BLANKET MAY BE OMITTED FOR REINFORCED CONCRETE PIPE.

DRAINAGE PIPE TRENCH INSTALLATION DETAIL

NOT TO SCALE

GENERAL EROSION AND SEDIMENTATION CONTROL NOTES

1. INSTALL SILT FENCE W/ CONSTRUCTION FENCE, AS SHOWN.
2. CUT TREES TO THE LIMITS AS DEPICTED ON THE PLAN AND REMOVE ALL STUMPS OFF THE PROPERTY.
3. REMOVE THE LOAM AND VEGETATION FROM THE BUILDING AND BACKSLOPE AREAS. THE LOAM WILL NEED TO BE STORED FOR USE LATER IN STABILIZING THE SWALES AND SIDESLOPES. THE LOAM PILE SHALL BE SEED FOR TEMPORARY PROTECTION SHOULD IT REMAIN INACTIVE FOR MORE THAN 30 DAYS.
4. CONSTRUCT THE DRAINAGE SWALE AS SHOWN ON THE PLANS. LOAM, SEED AND MULCH SIDE SLOPES IMMEDIATELY AFTER CONSTRUCTION.
5. SWALE MUST BE STABILIZED BEFORE DIRECTING RUNOFF TO THEM. EROSION CONTROL BLANKETS (CURLX EXCLOSUR BY AMERICAN EXCLOSUR COMPANY, OR EQUAL) SHALL BE USED WHERE SOD IS NOT PLACED AND VEGETATION IS NOT ESTABLISHED.
6. CUT AND/OR FILL THE BUILDING AND BACKSLOPE AREAS TO SUB-GRADE.
7. ALL CUT AND FILL SLOPES SHALL BE SEED AND MULCHED OR COVERED WITH AN EROSION CONTROL BLANKET IMMEDIATELY AFTER THEIR CONSTRUCTION.
8. INSTALL THE STRUCTURAL GRAVEL BASE IN 8 INCH LIFTS AND COMPACTED TO 95% MAXIMUM PROCTOR DENSITY WITHIN THE BUILDING AREA.
9. THE CONTRACTOR SHALL INSTALL A DROP INLET SEDIMENT FILTER AT THE CATCH BASIN.
10. INSPECT AND REPAIR OR INSTALL ANY REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE, SEDIMENT CONTROL AT CATCH BASINS AND STONE CHECK DAMS 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. CONSTRUCT PROPOSED BUILDING ADDITION.
13. 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.
14. 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.
15. SEEDING FOR LONG TERM COVER: SEED MIXTURE:

LBS./ACRE	LBS./1000 SQ. FT.
TALL FESCUE	20
DREPPING RED FESCUE	20
BIRDFOOT TREFOIL	8
TOTAL	48

SEEDING FOR LONG TERM COVER: SEED MIXTURE:

LBS./ACRE LBS./1000 SQ. FT.

TALL FESCUE 20 0.45

DREPPING RED FESCUE 20 0.45

BIRDFOOT TREFOIL 8 0.20

TOTAL 48 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.

SEEDING FOR TEMPORARY PROTECTION: SEED MIXTURE:

LBS./ACRE LBS./1000 SQ. FT.

WINTER RYE 112 2.50

HAY OR STRAW MULCH SHALL BE PLACED ON ALL DISTURBED AREAS AT A RATE OF 2 TONS/ACRE OR 90

LBS/1000 SQ. FT.

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.

ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

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 AND 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 NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

CONSTRUCTION DETAILS

100 JARVIS AVENUE

TAX MAP 215, LOT 59

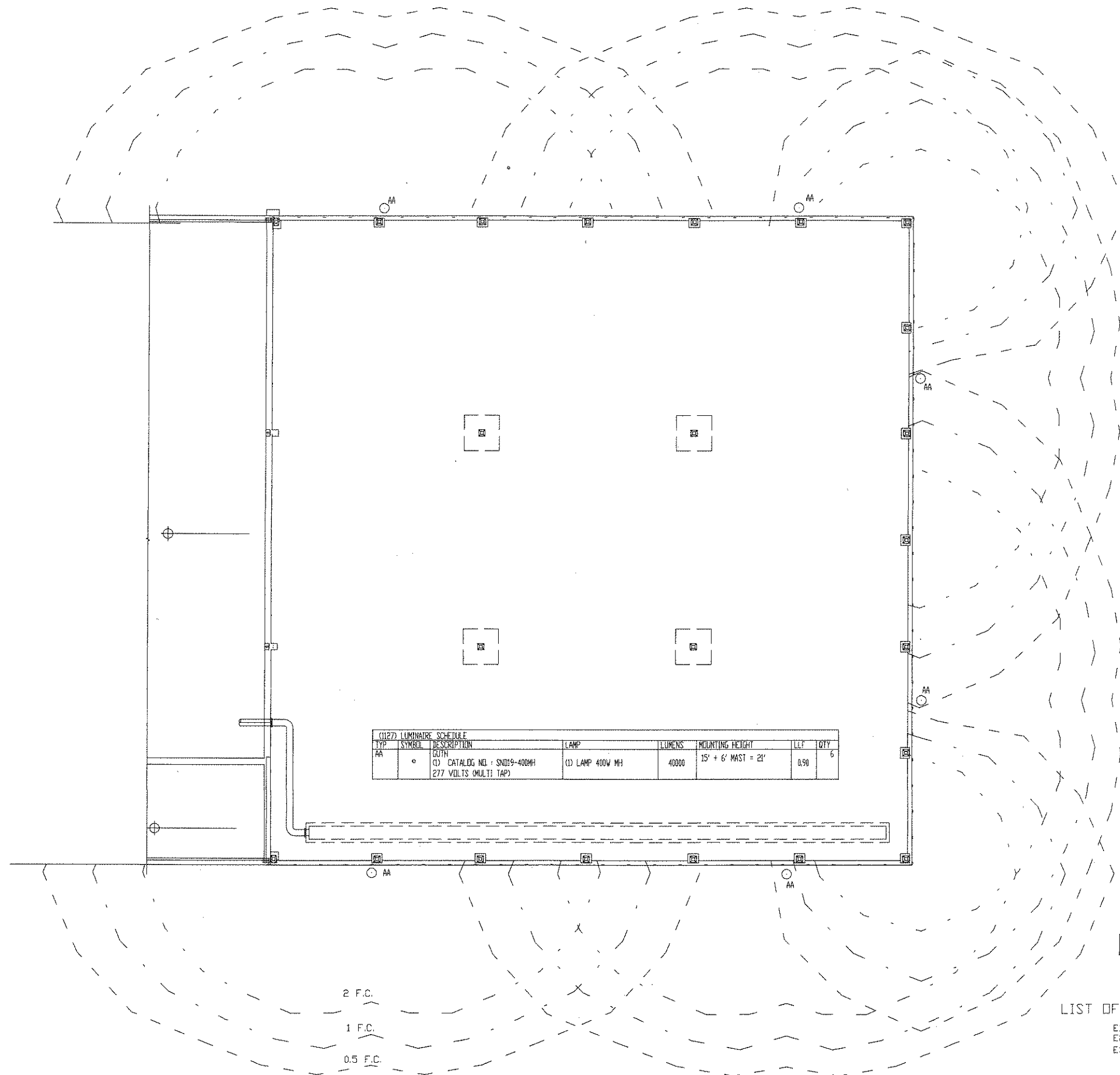
ROCHESTER, N.H.

FOR

JARVIS CUTTING TOOLS, INC.

SCALE: AS SHOWN

JANUARY 2012

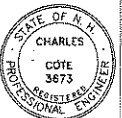


(1127) LUMINAIRE SCHEDULE						
TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING HEIGHT	LLF QTY
AA	•	(1) CATALOG NO. SNO19-400MH 277 VOLTS (MULTI TAP)	(1) LAMP 400W MH	40000	15' + 6' MAST = 21'	0.90 6

SCALE 1/8" = 1'

LIST OF ELECTRICAL DRAWINGS

- E1 TEMPLATES
- E2 FOOTCANDLE LEVELS
- E3 LIGHTING FIXTURE DETAILS



DATE	NO. REVISION
1/2/2012	1 PRELIMINARY

PRELIMINARY

PROJECT:
Jarvis Cutting Tools
100 Jarvis Avenue
Rochester, NH 03868

CHARLES E. COTE, P.E.
ELECTRICAL ENGINEERS
100 JARVIS AVENUE
ROCHESTER, NH 03868
(603) 329-4540 (FAX) 329-7832
E MAIL- electricng@comcast.net

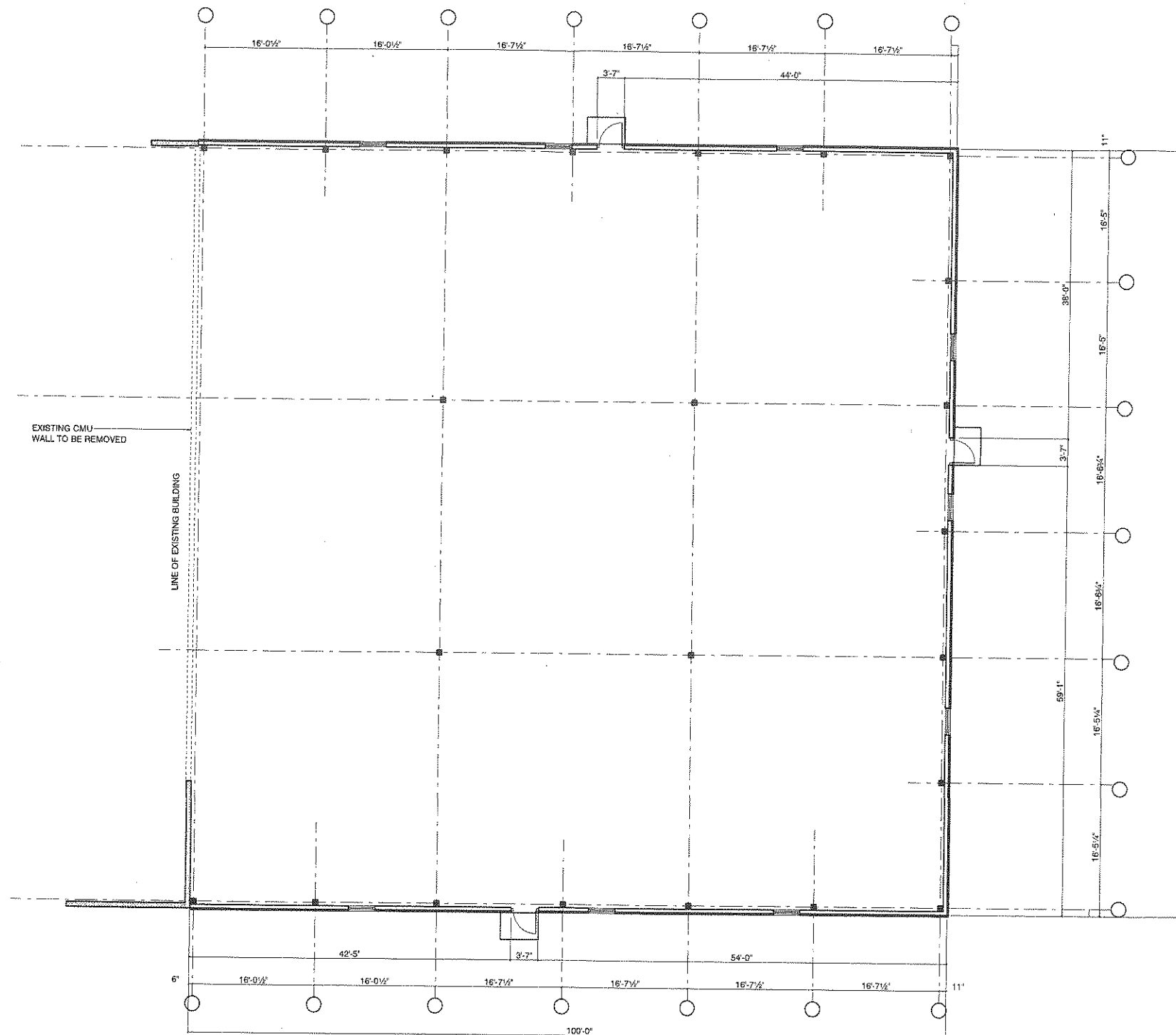
DRAWING TITLE:
ELECTRICAL
SITE LIGHTING
TEMPLATES

DRAWING NO.

E1

PROJECT NO. 1134

[illegible]



PLAN



ROCHESTER TRC
NOT FOR CONSTRUCTION
January 06, 2012

MICHAEL J.
KEANE
ARCHITECTS
PLLC
ARCHITECTURE
PRESERVATION
PLANNING
DESIGN

101 KENT PLACE
NEWMARKET, NEW HAMPSHIRE 03857
603 / 292 - 1400

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PROPOSED ADDITION FOR
**JARVIS
CUTTING
TOOLS**
100 JARVIS AVE
ROCHESTER, NH

TITLE
PARTIAL FIRST
FLOOR PLAN

SCALE
1/8" = 1'-0"

DRAWING NO.
DRAWN BY: mjk
CHECKED BY: mjk
DATE:

A-2.01

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MICHAEL J.
KEANE
ARCHITECTS
PLLC

ARCHITECTURE
PRESERVATION
PLANNING
DESIGN

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NEWMARKET, NEW HAMPSHIRE 03857
603 / 292 - 1400

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PROPOSED ADDITION FOR
**JARVIS
CUTTING
TOOLS**

100 JARVIS AVE
ROCHESTER, NH

TITLE

EXTERIOR ELEVATIONS
AND BUILDING SECTIONS

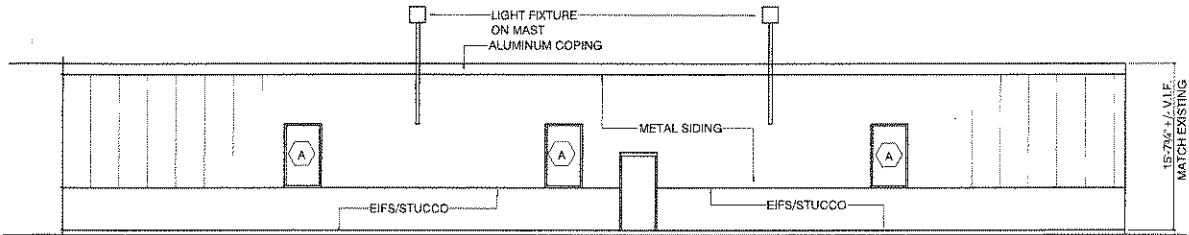
SCALE

1/8" = 1'-0"

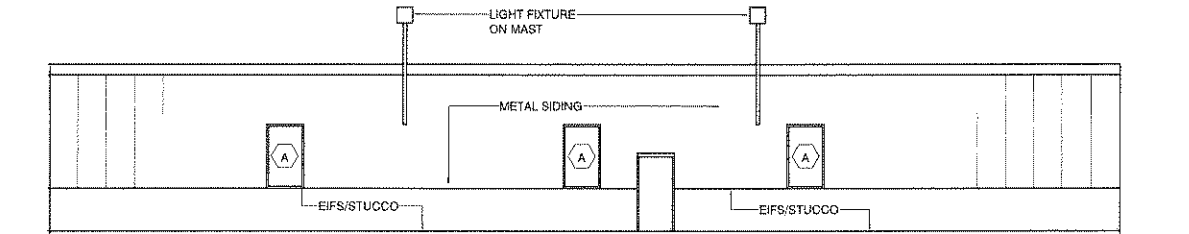
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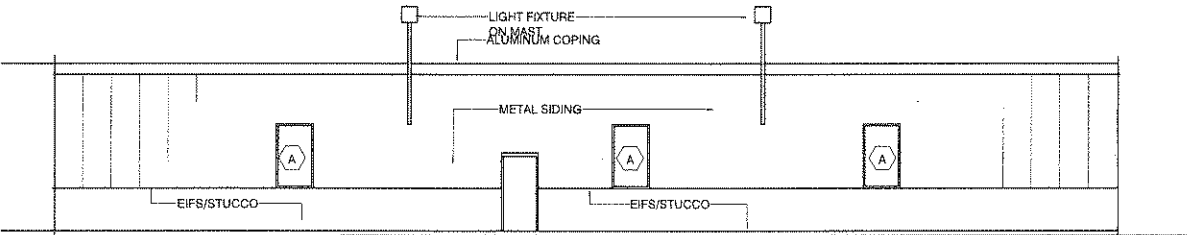
DATE



NORTH ELEVATION



EAST ELEVATION

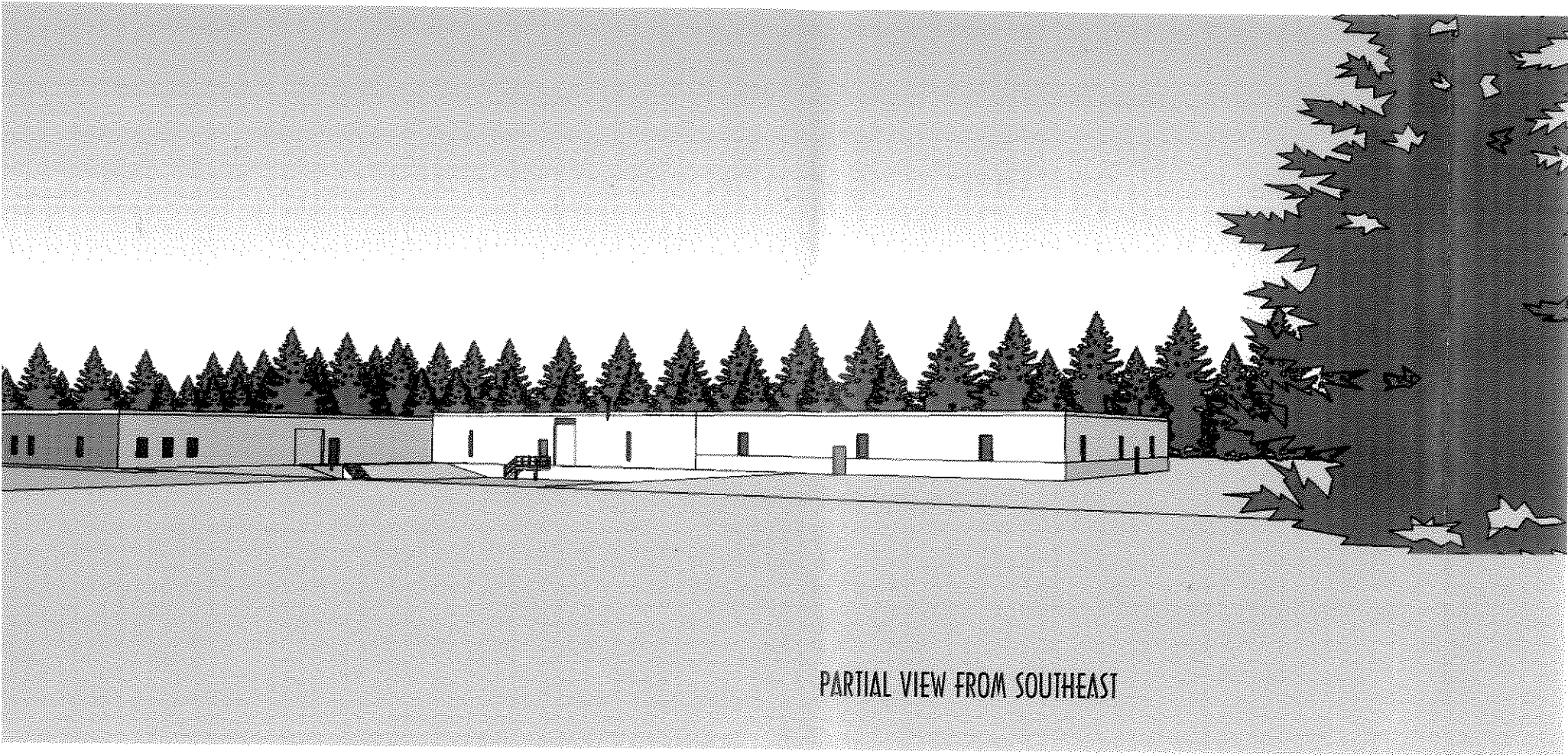


SOUTH ELEVATION

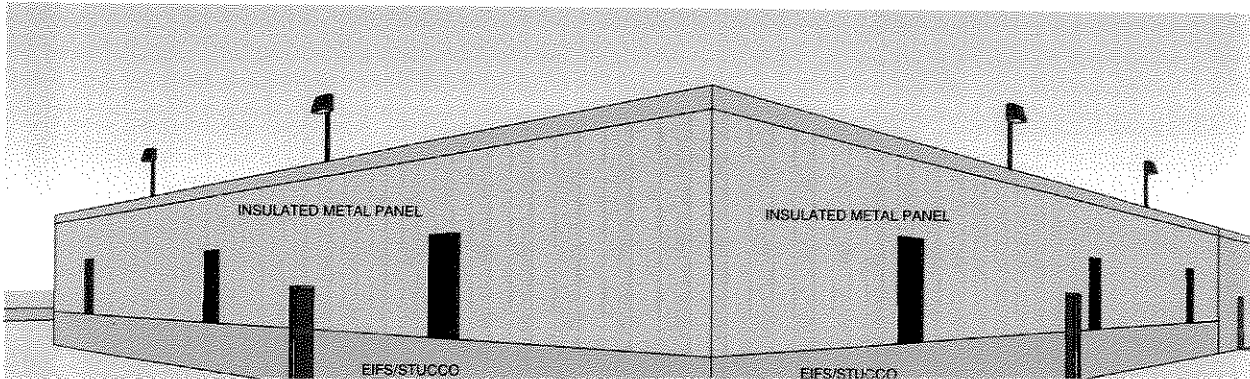
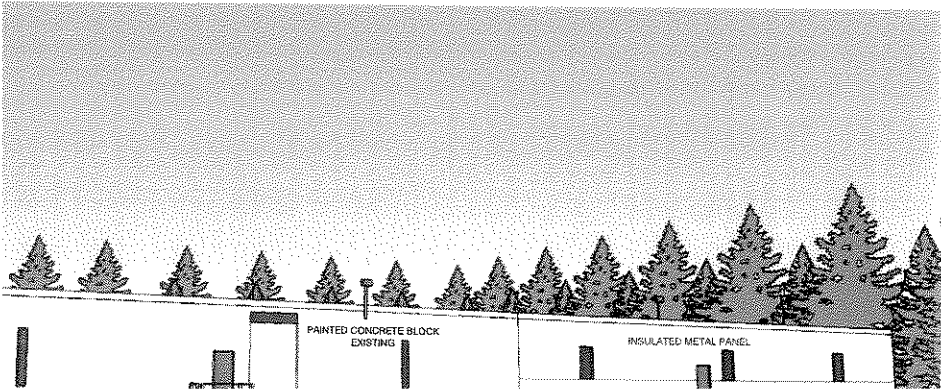


ROCHESTER TRC
NOT FOR CONSTRUCTION
January 06, 2012

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PARTIAL VIEW FROM SOUTHEAST



MICHAEL J.
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LEGEND

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TOOLS
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