



NEWPORT COMPUTERS SITE PLAN

FOR
SAKUNTALA, LLC
48 AIRPORT DRIVE
ROCHESTER, N.H. 03867
JULY 10, 2012



REVISIONS:

REVISED PER AOT COMMENT AND DESIGN TEAM REVIEW - 08/06/12
REVISED PER AOT COMMENT AND DESIGN TEAM REVIEW - 11/05/12

FEB 15 2013

CONSTRUCTION MANAGERS

FULCRUM ASSOCIATES
5 TECH CIRCLE
AMHERST, NEW HAMPSHIRE 03031-2648
(603) 673-3200

DEVELOPER

SAKUNTALA, LLC
20 SPAULDING AVENUE
ROCHESTER, NEW HAMPSHIRE 03868
(603) 926-4300

CIVIL ENGINEERS

NORWAY PLAINS ASSOCIATES, INC.
2 CONTINENTAL BOULEVARD
ROCHESTER, NEW HAMPSHIRE 03867
(603) 335-3948

ARCHITECTS

UDELSMAN ASSOCIATES
161 FEDERAL HILL ROAD
HOLLIS, NEW HAMPSHIRE 03049
(603) 465-6960

LANDSCAPING ARCHITECTS

WOODBURN & COMPANY LANDSCAPE ARCHITECTURE, LLC
103 KENT PLACE
NEWMARKET, NEW HAMPSHIRE 03857
(603) 659-5949

FINAL APPROVAL BY
ROCHESTER PLANNING BOARD

CERTIFIED *[Signature]* DATE: 2/20/13

STATE OF NEW HAMPSHIRE PERMIT NUMBERS:
NHDES: ALTERATION OF TERRAIN: AS REQUIRED
NHDES: WETLAND PERMIT: AS REQUIRED
NHDES: CAN PERMIT: NOT REQUIRED
NHDES: SUBDIVISION PERMIT: NOT REQUIRED
NHDES: SUBSURFACE SYSTEMS PERMIT: NOT REQUIRED
NHDES: SEWER CONNECTION PERMIT: NOT REQUIRED
NHDES: DRIVEWAY/ENTRANCE PERMIT: NOT REQUIRED

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NPDES PERMITS ARE ONLY REQUIRED FOR PROJECTS MEETING THE DISTURBED AREA CRITERIA BELOW AND HAVING A POINT SOURCE STORMWATER DISCHARGE FROM THE SITE TO AN ADJACENT WETLAND OR WATER BODY (E.G. CULVERT, SHALE, ETC.) OUTLETING TO A WETLAND, CREEK, STREAM OR RIVER.

NPDES PERMIT: REQUIRED

NPDES PERMITS CONSIST OF A NOTICE OF INTENT (NOI) FILED WITH THE ENVIRONMENTAL PROTECTION AGENCY AT LEAST 14 DAYS PRIOR TO CONSTRUCTION COMMENCING AND A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEING PREPARED, KEPT ON SITE AND FOLLOWED BY THE CONTRACTOR.

FOR STATUS OF THIS PERMIT CONTACT THE PROJECT GENERAL CONTRACTOR.

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEERS AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITHIN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

SHEET INDEX

SHEET	COVER	SCALE
C-0	EXISTING FEATURES PLAN	1" = 30'
C-1	SITE PLAN	1" = 30'
C-2	GRADING AND DRAINAGE PLAN	1" = 30'
C-3	UTILITIES SITE PLAN	1" = 30'
C-4	EROSION CONTROL PLAN	1" = 30'
C-5	SITE SPECIFIC SOILS MAPPING PLAN	1" = 30'
C-6	SITE SPECIFIC SOILS MAPPING TEST PITS	1" = 30'
C-7	EROSION CONTROL PLAN	AS SHOWN
C-8	EROSION CONTROL PLAN	AS SHOWN
C-9	CHANNEL WETLAND DETAILS	AS SHOWN
C-10	INFILTRATION SYSTEM DETAILS	AS SHOWN
C-11	UTILITIES DETAILS	AS SHOWN
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L-1	LANDSCAPING PLAN	AS SHOWN
L-2	LIGHTING PLAN	AS SHOWN

FILE NO. 104 DRAWN BY: RRL
PLAN NO. C-2630 CHK'D BY: RRL
P.D. NO. ### SCRD NO. D-###
DWG. NO. 12078/SP-3

NORWAY PLAINS ASSOCIATES, INC.



REVISED FOR ADT COMMENT AND DESIGN TEAM REVIEW - 09/06/12
REVISED FOR NMD; DESIGN TEAM COMMENT - 11/06/12

GENERAL NOTES

- [illegible]

MINIMUM LOT SIZE	=	20,000-SF
MINIMUM FRONTAGE	=	NO REGULATION
MINIMUM LOT COVERAGE*	=	60%
BUILDING SETBACKS:		
FRONT YARD	=	NO REGULATION
REAR YARD	=	NO REGULATION**
SEAR YARD	=	25'-0"
SETBACK FROM OTHER BUILDINGS	=	0'-0"
PARKING LOT SETBACKS:		
FRONT YARD	=	15'-0"
SIDE YARD	=	10'-0"
REAR YARD	=	10'-0"

*COVERAGE IS DEFINED AS THE PERCENTAGE OF THE LOT AREA COVERED BY BUILDINGS.

USEFUL	CURRENT	UNITS	DEBITED	CREDITED
INDUSTRIAL	17.5-EMPLY	X 32	= 72	41
MANUFACTURING	OR 1/600-SF	X 65,000-SF	= 75	
		TOTAL	= 754	41

NOTE: HANDICAPPED ACCESSIBLE PARKING INCLUDED IN ABOVE TOTAL(S) PER ADA AND ROCHESTER REGULATIONS AND ORDINANCE.

VEH VARIANCE PARKING WAS ALLOWED TO BE LESS THAN THE 75 SPACE REQUIREMENT FOR INDUSTRIAL MANUFACTURING PARKING FOR A BUILDING THIS SIZE.

2. CHAPTER 42.9(17), OFFSTREET PARKING INDUSTRIAL MANUFACTURING, VARIANCE TO ALLOW THE PARKING PROVIDED TO BE LESS THAN THE REQUIREMENT OF THE GREATER OF 1 SPACE/3 EMPLOYEES OR 1 SPACE PER 400-SQ FT OF GROSS FLOOR SPACE. (GRANTED AUGUST 8, 2012)

7. FOR MORE INFORMATION ABOUT THIS SITE PLAN CONTACT THE CITY OF ROCHESTER
PLANNING DEPARTMENT AT RUMKELFELD STREET, ROCHESTER, NH 03607, (603)

2. SITE REVIEW APPROVAL
WHETHER OR NOT OTHERWISE EXPRESSLY NOTED ON THIS SITE REVIEW PLAN, THE SITE REVIEW AND/OR GRANTED IS CONDITIONED ON FAITHFUL AND URGENT ADHERENCE BY THE OWNER/DEVELOPER TO ALL WRITTEN AND VERBAL REPRESENTATIONS MADE REGARDING SUCH MATTERS AS USE, NUMBER OF EMPLOYEES, PARKING, CONSTRUCTION, ETC. AS WELL AS ALL OTHER TERMS, CONDITIONS, PROVISIONS, AGREEMENTS AND SPECIFICATIONS OF THE SITE PLAN REVIEW. REGULATIONS OF THE CITY OF ROSELAND, N.J., AS AMENDED, IN EFFECT ON THE DATE OF APPROVAL, ANY VIOLATION FROM THE PROVISIONS AS APPROVED MAY ALSO BE CONSIDERED A VIOLATION OF THE NEW JERSEY DEVELOPMENT APPLICATION.

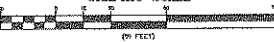
FINAL APPROVAL BY
ROCHESTER PLANNING BOARD

CERTIFIED BY: _____ DATE: _____

**SITE PLAN
AIRPORT DRIVE
ROCHESTER, NH
STRAFFORD COUNTY
FOR
SAKUNTALA, LLC**

JULY 2012

GRAPHIC SCALE



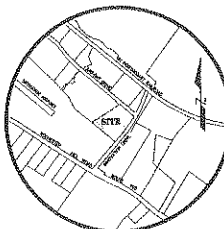
1 INCH = 20 FT.

REVISION DATE

11/18/12

SHEET C-1

- | | |
|--|--------------------------------------|
| | EXISTING GRANITE OR CONCRETE BINDING |
| | EXISTING BRICK, PIPE OR STONE |
| | EXISTING GRAVEL |
| | EXISTING GAS VALVE |
| | EXISTING WATER SHAFT |
| | EXISTING PIPE MANHOLE |
| | EXISTING STREET MANHOLE |
| | EXISTING DRAIN MANHOLE |
| | EXISTING CATCH BASIN |
| | EXISTING TELEPHONE MANHOLE |
| | EXISTING UTILITY POLE |
| | EXISTING PROPOSED LINE |
| | EXISTING ADJACENT LINE |
| | EXISTING LINE |
| | EDGE OF SIDEWALK |
| | EXISTING CURB |
| | PROPOSED GAS VALVE |
| | PROPOSED WATER VALVE |
| | PROPOSED WATER SHAFT |
| | PROPOSED DRAIN MANHOLE |
| | PROPOSED STREET MANHOLE |
| | PROPOSED CATCH BASIN |
| | PROPOSED UTILITY POLE |
| | PROPOSED GRANITE CURB |
| | PROPOSED GRANITE SLOPED CURB |
| | PROPOSED GALVANIZED STEEL DRAINAGE |
| | PROPOSED METAL PIPE |
| | PROPOSED ACCESSIBLE PARKING SPACE |
| | PROPOSED STANDARD PARKING SPACE |
| | PROPOSED PARKING SPACE CUT |
| | PROPOSED CONCRETE |
| | PROPOSED CURB |
| | PROPOSED CURB AND SIDEWALK |
| | PROPOSED HEAVY DUTY CURB |
| | PROPOSED CONCRETE PAVEMENT |
| | PROPOSED GRAVEL |
| | PROPOSED GRAVEL AND STONE |



LOCUS
SCALE: 1"=1000'

FILE NO.	104	DRAWN BY:	RRL
PLAN NO.	C-2630	CHK'D BY:	RRL
P.D. NO.	###	SCRD NO:	D-###
DWG. NO.	12079/SP-3		

NORWAY PLAINS ASSOCIATES, INC.



REVIEWED PER NOT COMMENT AND DESIGN TEAM REVIEW - 06/05/12
REVIEWED PER MOD. DESIGN TEAM COMMENT - 11/06/12

DRAINAGE NOTES:

- [illegible]

GRADING &
DRAINAGE PLAN
AIRPORT DRIVE
ROCHESTER, NH
STRAFFORD COUNTY
FOR
SAKUNTALA, LLC

JULY 2012

GRAPHIC SCALE



REVISION DATE

11/18/12

SHEET C-2

P.O. Box 249, Rochester, N.H. 03866-0249



242 / 18

PEASE DEVELOPMENT AUTHORITY
55 INTERNATIONAL DRIVE
PORTSMOUTH, NH 03801
RK. 3752/PQ. 525

243 / 19

88 AIRPORT DRIVE, LLC &
GERSONWOODLANDS, LLC
20 POND PARK ROAD
HINGHAM, MA 02043
PH. 301.970.828

242 / 1

CITY OF ROCHESTER
31 WAKEFIELD STREET
ROCHESTER, NH 03801

242 / 3

AIRPORT DRIVE
 BUSINESS PARK CONDO AS
 AMAROSA PERKINS DEV.,
 427 LO GARRISON ROAD
 DOVER, MI 48620
 B/C 3435/P/C 47

242 / 4

CITY OF ROCHESTER
31 WAKEFIELD STREET
ROCHESTER, NH 0386
OK. 3963/PQ. 25

50

- | | |
|---|-------------------------------------|
|  | EXISTING GRANITE OR CONCRETE DRAIN |
|  | EXISTING FIRE PIT, PIPE, OR CULVERT |
|  | EXISTING MANHOLE |
|  | EXISTING COVER VALVE |
|  | EXISTING WATER GATE VALVE |
|  | EXISTING BARRIER STRUCTURE |
|  | EXISTING FIRE HYDRANT |
|  | EXISTING SEWER MANHOLE |
|  | EXISTING STORM MANHOLE |
|  | EXISTING CATCH BASIN |
|  | EXISTING TELEPHONE MANHOLE |
|  | EXISTING UTILITY POLE |
|  | EXISTING PROPERTY LINE |
|  | EXISTING EASEMENT LINE |
|  | SERVICE LINE |
|  | EDGE OF WETLAND |
|  | EXISTING TREE LINE |
|  | EXISTING GAS LINE |
|  | EXISTING WATER LINE |
|  | EXISTING SEWER LINE |
|  | EXISTING DRAIN LINE |
|  | EXISTING UNDERGROUND TELEPHONE |
|  | EXISTING UNDERGROUND ELECTRIC |
|  | EXISTING OVERHEAD WIRES |
|  | EXISTING CONTOURS |
|  | PROPOSED DRAIN |
|  | PROPOSED GAS VALVE |
|  | PROPOSED WATER SHUT-OFF |
|  | PROPOSED DRAIN MANHOLE |
|  | PROPOSED LINE AND SECTION (TIES) |
|  | PROPOSED STRUCTURE |
|  | PROPOSED DRAIN LINE |

LOCUS
'SCALE: 1"=1000'

FILE NO.	104	DRAWN BY:	RRL
PLAN NO.	C-2630	CHECKED BY:	RRL
F.B. NO.	588	SCRD NO:	D-###
DWG. NO.	12079/SP-3		

242 / 4

NORWAY PLAINS ASSOCIATES, INC.



REVISED PER AEC COMMENT AND DESIGN TEAM REVIEW - 03/08/12
REVISED PER NOD, DESIGN TEAM COMMENT - 11/16/12

1. UNDERGROUND UTILITIES ARE PRESENT ON THIS PROPERTY IN AN EASEMENT RETAINED BY THE CITY OF ROCHESTER WITH RIGHTS ASSIGNED TO THE VARIOUS THIRD PARTY UTILITIES PRESENT. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THESE UTILITIES AND TAKE ALL PRECAUTIONS NECESSARY DURING CONSTRUCTION. ALL UNDERGROUND UTILITY WORK SHALL BE COORDINATED WITH THE UTILITY OWNER REPRESENTATIVES LISTED BELOW.

<u>GAS</u> UNITIL NEW HAMPSHIRE GAS OPERATIONS 375 WEST ROAD PORTSMOUTH, NH 03801 866-933-3820, EXT. 5144 MR. DAVID BEAULIEU	<u>STORAGE</u> PUBLIC SERVICE OF NEW HAMPSHIRE (PSNH) 74 OLD COVER ROAD ROCHESTER, NH 03867 603-332-4127, EXT. 5305 MR. MARY JO PETERSEN MR. JAMES OGDEN
---	--

15. PHONE RECORDS:
ADDRESS:
 166 THY-CITY ROAD
 DUNDASWORTH, MI 48128
 PHONE: 603-743-1161
 CELL: 603-540-5818
 MS. JENNIFER TREY

DATE:
WEBCAST:
 21 JARVIS AVENUE
 ROCHESTER, MI 48067
 603-330-7741
 MR. MICHAEL GRAYEL

WATER CITY OF ROCHESTER 45 OLD COVER ROAD ROCHESTER, NY 63867 PHONE: 603-332-4098 FAX: 603-335-4352 MR. KEN HENDERSON	SEWER CITY OF ROCHESTER 64 STAFFORD ROAD ROCHESTER, NH 63867 PHONE: 603-335-4942 MR. OAVIE ORDE DAVID ORDE@ROCHESTERNH.NET
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2. THE CONTRACTOR SHALL CONTACT DCS&E AND THE APPROPRIATE UTILITIES AS NECESSARY TO HAVE THE EXISTING UTILITIES MARKED IN THE FIELD PRIOR TO CONSTRUCTION. DCS&E: 1-800-344-7733.

WATER NOTES:

1.  DWS. 6" x 12" WATER MAIN CONNECTION. (COORDINATE WITH CITY INNOVATION DRIVE PROJECT)
 2.  COMPT. 10" x 6" DUCTILE IRON WATER LINE
 3.  COMPT. 6" x 6" GATE VALVE (AS NECESSARY, COORDINATE PROVISION ON EXISTING STAY)
 4.  COMPT. 12" x 6" DUCTILE IRON WATER LINE
 5.  COMPT. 1" x 6" SADDLE CONNECTION FOR DOMESTIC WATER SERVICE
 6.  COMPT. 4.5" x 1" TYPE K COPPER DOMESTIC WATER LINE (TO SHEDDYS)
 7.  COMPT. 1" WATER SHUT OFF
 8.  COMPT. 2.5" x 1" TYPE K COPPER DOMESTIC WATER LINE (TO BUILDING)

SEWER NOTES:

- 7 C/DIST. 100.50' X 8" DOR 36 SEWER PIPE
BUILDING INV. OUT=286.50

ELECTRIC NOTES:

2. CONST. 1 - 205'x 8' 5" ELECTRIC CONDUIT
(VERIFY WITH PDS#4 AND CLIENT PER NEED AND SIZE)
3. CONST. 4 - 8' CONCRETE GENERATOR PAD
(CONDUIT NECESSARY SIZE WITH FULCRUM BASED ON MESS)
GENERATOR PROVIDED BY FULCRUM FOR OWNER
4. CONST. 5' 8" TRANSFORMER PAD
(CONDUIT NECESSARY SIZE WITH PDS#4 BASED ON USED)
TRANSFORMER PROVIDED BY PDS#4
5. CONST. 86 - 8' ELECTRIC CONDUIT
(VERIFY WITH PDS#4 AND CLIENT PER NEED AND SIZE)
6. NOTES TO ELECTRICAL PLANS FOR REQUIREMENTS OF TEN TRASH COMPACTOR FOR
SUPPLY

TELEPHONE/FIBEROPTIC/CABLE NOTES:

1. CONST. $x = 255 \pm /- X$ 4" TELEPHONE, FIBEROPTIC AND CABLE TELEVISION CONDUIT (VERIFY WITH UTILITIES AND CLIENT FOR NUMBER NEEDED AND SIZE)
2. CONST. $y = 240 \pm /- X$ 4" CABLE TELEVISION CONDUIT (VERIFY WITH UTILITIES AND CLIENT FOR NUMBER NEEDED AND SIZE)

UTILITIES SITE PLAN
AIRPORT DRIVE
ROCHESTER, NH
STRAFFORD COUNTY
FOR
SAKUNTALA, LLC

JULY 2012

GRAPHIC SCALE



(IN FEET)
1 INCH = 0.3 FT.

REVISION DATE

11/10/12

SHEET C-3

- | | |
|---|---------------------------------------|
| LEGEND | |
|  | EXISTING GRANITE OR CONCRETE BOUNDARY |
|  | EXISTING ADJ. FILL, FILL OR STAKE |
|  | METLAND |
|  | EXISTING DRAIN |
|  | EXISTING GAS VALVE |
|  | EXISTING WATER GATE VALVE |
|  | EXISTING WATER SHUTOFF |
|  | EXISTING FIRE HYDRANT |
|  | EXISTING SEWER MANHOLE |
|  | EXISTING CATCH BASIN |
|  | EXISTING TELEPHONE MANHOLE |
|  | EXISTING UTILITY POLE |
|  | EXISTING PROPERTY LINE |
|  | EXISTING EASEMENT LINE |
|  | DEBRAND LINE |
|  | EDGE OF METLAND |
|  | EXISTING WATER LINE |
|  | EXISTING GAS LINE |
|  | EXISTING WATER LINE |
|  | EXISTING SEWER LINE |
|  | EXISTING DRAIN LINE |
|  | EXISTING UNDERGROUND TELEPHONE |
|  | EXISTING UNDERGROUND ELECTRIC |
|  | EXISTING OVERHEAD WIRES |
|  | EXISTING CONDUITS |
|  | PROPOSED SIGN |
|  | PROPOSED GAS VALVE |
|  | PROPOSED WATER GATE VALVE |
|  | PROPOSED WATER SHUTOFF |
|  | PROPOSED SEWER MANHOLE |
|  | PROPOSED FLAGSTONE OR DECKING (PDS) |
|  | PROPOSED SIGN |
|  | PROPOSED CONDUITS |
|  | PROPOSED DRAIN LINE |
|  | PROPOSED GAS LINE |
|  | PROPOSED WATER LINE |
|  | PROPOSED SEWER LINE |
|  | PROPOSED OVERGROUND TELEPHONE |
|  | PROPOSED UNDERGROUND ELECTRIC |
|  | PROPOSED UNDERGROUND UTILITIES |
|  | PROPOSED OVERHEAD WIRES |



FILE NO.	104	DRAWN BY:	RRL
PLAN NO.	C-2630	CHK'D BY:	RRL
F.B. NO.	###	SCRD NO:	D-###
DWG. NO.	12079/SP-3		

242 / 4

NORWAY PLAINS ASSOCIATES, INC.

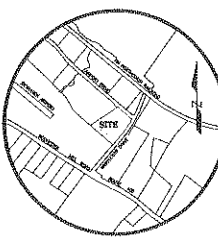
SHEET C-2

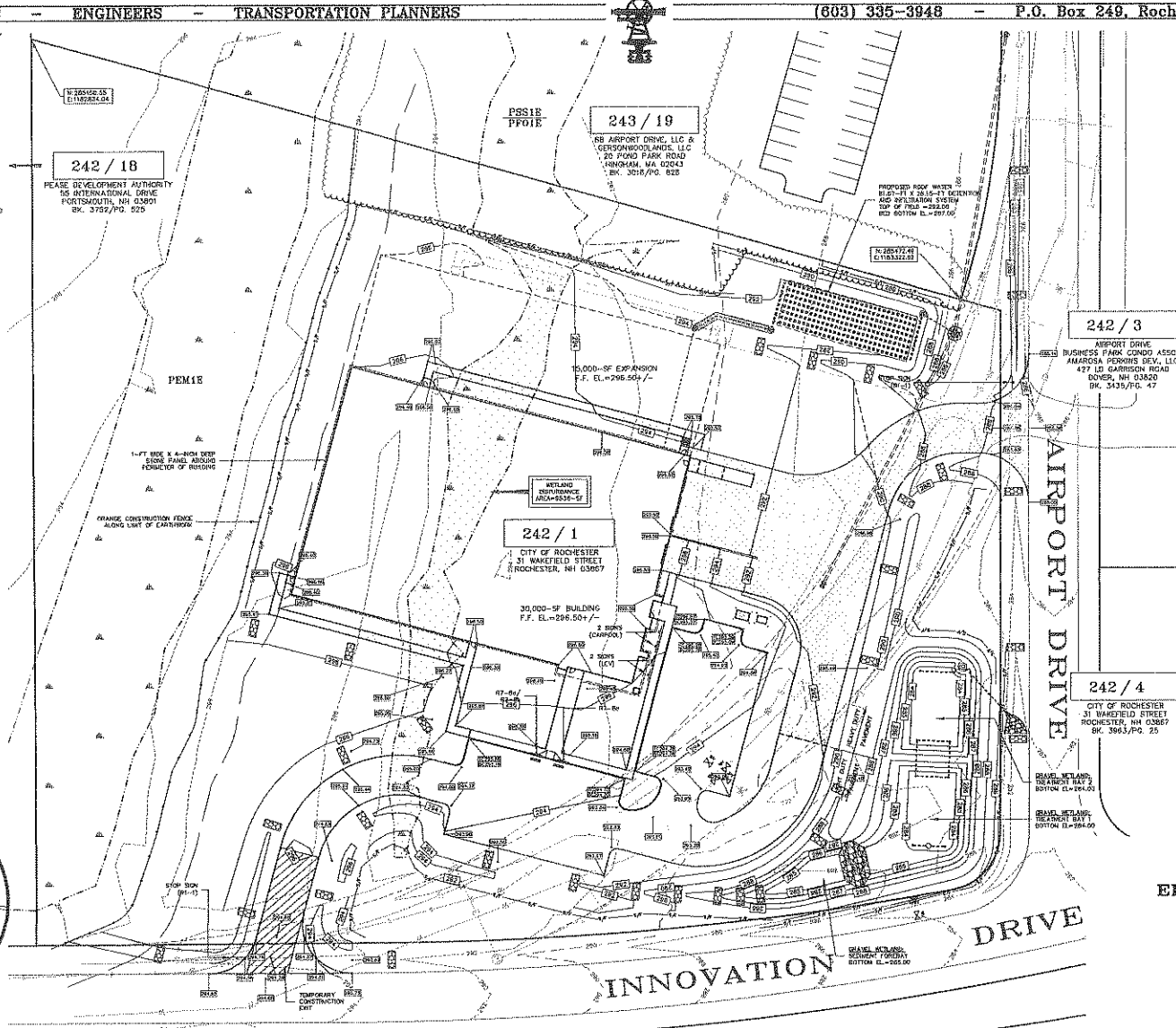


REVISIONS:

 REVISED FOR HOT CORNER AND DESIGN TEAM REVIEW - 06/06/12
 REVISED FOR HDS, DESIGN TEAM COMMENT - 11/16/12

- LEGEND**
- EXISTING GRAVITY OR CONCRETE BOUND
 - EXISTING DRAIN PIPE, PIPE OR STAKE
 - WETLAND
 - EXISTING BOX
 - EXISTING GAS VALVE
 - EXISTING WATER GATE VALVE
 - EXISTING WATER SHUTOFF
 - EXISTING FIRE HYDRANT
 - EXISTING SEWER MANHOLE
 - EXISTING DRAIN MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING TELEPHONE MANHOLE
 - EXISTING UTILITY POLE
 - EXISTING PROPERTY LINE
 - EXISTING EASEMENT LINE
 - SETBACK LINE
 - EDGE OF WETLAND
 - EXISTING DIRT LINE
 - EXISTING GAS LINE
 - EXISTING WATER LINE
 - EXISTING SEWER LINE
 - EXISTING DRAIN LINE
 - EXISTING UNDERGROUND TELEPHONE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING OVERHEAD WIRE
 - EXISTING CONTOUR
 - PROPOSED SIGN
 - PROPOSED GAS VALVE
 - PROPOSED WATER GATE VALVE
 - PROPOSED WATER SHUTOFF
 - PROPOSED DRAIN MANHOLE
 - PROPOSED FLARED END SECTION (TYS)
 - PROPOSED TIE LINE
 - PROPOSED CONTOUR
 - PROPOSED DRAIN LINE
 - PROPOSED STONE CHECK DAM
 - PROPOSED INLET PROTECTION
 - PROPOSED INLET PROTECTION
 - PROPOSED Silt FENCE
 - PROPOSED GRASS CONSTRUCTION FENCE


 LOCUS
 SCALE: 1"=1000'

 FILE NO. 104 DRAWN BY: RRL
 PLAN NO. C-2630 CHK'D BY: RRL
 P.E. NO. ### SCRD NO. D-###
 DWG. NO. 12078/SP-3


EROSION CONTROL PLAN AIRPORT DRIVE ROCHESTER, NH STRAFFORD COUNTY FOR SAKUNTALA, LLC

JULY 2012

GRAPHIC SCALE



1 INCH = 50 FT.

REVISION DATE

11/16/12

SHEET C-4

NORWAY PLAINS ASSOCIATES, INC.



- LEGEND**
- EXISTING QUARRY OR CONCRETE BOUND
 - EXISTING HIGH PAV. PAV. OR STATE
 - WETLAND
 - EXISTING SOIL
 - EXISTING GAS VALVE
 - EXISTING WATER WIRE VALUE
 - EXISTING WATER OUTLET
 - EXISTING GAS HYDRANT
 - EXISTING SEWER MANHOLE
 - EXISTING DRAIN MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING TELEPHONE MANHOLE
 - EXISTING UTILITY POLE
 - EXISTING PROPERTY LINE
 - EXISTING EASEMENT LINE
 - SETBACK LINE
 - EDGE OF WETLAND
 - EXISTING TREE LINE
 - EXISTING GAS LINE
 - EXISTING WATER LINE
 - EXISTING SEWER LINE
 - EXISTING DRAIN LINE
 - EXISTING UNDERGROUND TELEPHONE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING OVERHEAD WIRES
 - EXISTING CONTOURS
 - TEST PIT LOCATION
 - BORING LOCATION
 - INTEGRATION TEST LOCATION
 - SOIL TYPE BOUNDARY
 - SOIL TYPE
- G&C**

242 / 18
PEASE DEVELOPMENT AUTHORITY
55 INTERNATIONAL DRIVE
PORTSMOUTH, NH 03801
BK. 3752/PG. 526

PSS1E
PF61E

243 / 19
DS AIRPORT DRIVE, LLC &
CERSONWOODLANDS, LLC
20 ROND PARK ROAD
HINDHAM, MA 02043
BK. 3016/PG. 628

242 / 1
CITY OF ROCHESTER
31 WAKEFIELD STREET
ROCHESTER, NH 03607

242 / 3
AIRPORT DRIVE
BUSINESS PARK CONDO ASSOC.
AMAROSA PERKINS DEV. LLC
427 LO GARRISON ROAD
DOVER, NH 03820
BK. 3432/PG. 47

242 / 4
CITY OF ROCHESTER
31 WAKEFIELD STREET
ROCHESTER, NH 03607
BK. 3063/PG. 25

REVISIONS:

REVISION PER PROJ. DESIGN TEAM COMMENT - 11/16/12

SOIL MAP NOTES:

1. THIS SITE-SPECIFIC SOIL MAP WAS COMPILED IN JUNE 2012 BY DAVID J. ALLAN, NH CERTIFIED SOIL SCIENTIST #13, USING FORMS 505, SURVEY, 374 FORM HILL ROAD, BARRINGTON NH 03825. "SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT", WISDOM 3.0, EXTENSION 2008, SPONSOR: SPECIAL PUBLICATION NO. 1 WAS USED AS A REFERENCE AND GUIDE IN DEVELOPING THIS MAP. THE COMPILED SOIL MAPPING SUPPLEMENT FOR NEW HAMPSHIRE TESTS AND SITE-SPECIFIC SOIL MAPS, FEBRUARY 2011 WAS ALSO USED TO COMPLY WITH THE SOIL MAPPING REQUIREMENTS OF RSA 661:17 AND RULES 661-01 AND 661-03, ALTERATION OF TENNIS (AGG) PROGRAM.
2. THIS MAP PROJECT IS WITHIN THE TECHNICAL SCOPE OF THE NATIONAL COOPERATIVE SOIL SURVEY, IS A SPECIAL PURPOSE PRODUCT, DESIGNED FOR USE IN PLANNING AND CONSTRUCTION OF INFRASTRUCTURE OR PRACTICES COMPLEMENTED WITH OTHER ACTIVITIES OF TERRAIN PROGRAM REQUIREMENTS PER 661-01. THIS MAP IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE SCIENTIST AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE CONSERVATION SERVICE.

THIS IS A REPORT THAT ACCOMPANIES THIS MAP.
ORIGINAL STAMP WITH SIGNATURE AND DATE ARE REQUIRED ON PLANS SUBMITTED

SOIL SCIENCE, MARTIN, LLOYD:

2014 - MODERN SERIES
COARSE GRAIN, MIXED ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER A FINE GRAIN, MODERATELY WELL GRAINED TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

60M - MODERN SERIES
LOAMY, MIXED, ACTING, MEDIUM GRAIN, MODERATELY WELL GRAINED GLACIAL TILL OVER 17" TO 24".

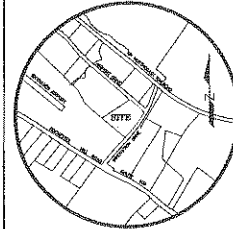
**SITE SPECIFIC SOILS
MAPPING PLAN
AIRPORT DRIVE
ROCHESTER, NH
STRAFFORD COUNTY
SAKUNTALA, LLC**

**JULY 2012
GRAPHIC SCALE**

**REVISION DATE
11/16/12**

SHEET C-5

NORWAY PLAINS ASSOCIATES, INC.



**LOCUS
SCALE: 1"=1000'**

FILE NO. 107
PLAN NO. C-2630
F.B. NO. 444
DWG. NO. 12079/SP-3

DRAWN BY: RRL
CHK'D BY: RRL
SCR'D BY: D-444

242 / 4

[illegible][illegible]

JACOBI TRACER COMPANY, INC.

PO BOX 85021

CHICAGO, ILL 60680

0481761101 www.jacobitracer.com

**Proposed Newport Computers Facility
Ripcord Road**

Rochester, New Hampshire

Project No. 12-15-0028

Double-Ring Infiltration Test Results

Test No.	Size (inches)	Observed Test Depth	Water Volume (in ³)	Area (ft ²)	K-Test (in/hr)	K-Test (in/hr)
1	18	10	1260	174	2.22	0.9
2	18	10	1260	174	2.22	0.9
3	18	10	1260	174	2.22	0.9
4	18	10	1260	174	2.22	0.9
5	18	10	1260	174	2.22	0.9
6	18	10	1260	174	2.22	0.9

Notes:

1. Double-ring infiltration test was performed using a JTC Test International model R-16-W with 12 and 24 inch rings.
2. Double-ring infiltration test was performed by JTC personnel on June 15, 2012.
3. Tests were performed at the approximate locations shown on the attached field sketch.

JULY 2012

GRAPHIC SCALE

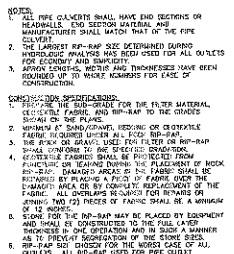


(IN FEET)

1 INCH = 30 FT.

REVISION DATE
11/16/12

SHEET C-6

DRAINAGEWAY CROSS-SECTION

SPACING BETWEEN STONE CHECK DAMS



NOT TO SCALE



SEDIMENTATION CONTROL
AT CATCH BASINS
NOT TO SCALE

**TEMPORARY
EROSION CONTROL BLANKET DETAIL**
NOT TO SCALE

PERMANENT VEGETATION:

1. INITIAL-ALLOID EROSION AND SEGMENT CONTROL MEASURES SUCH AS SATURATED BARRIERS, DIVERSIONS, AND SEGMENT TRAPS.
2. GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEGMENT PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH MAINTENANCE.
3. MINOROT SHOULD BE DIVERTED FROM THE SEEDING AREA.

ON SLOPES 4:3 OR STEEPER, THE FINAL PREPARATION SHOULD INCLUDE CREATING HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND RESIST EROSION.

5. OPTIMAL PREPARATION:

WORK LINE AND INTERFERENCE WITH THE SOIL AS MUCH AS POSSIBLE. REDUCE THE NUMBER OF TIMES A USER SHOULD PASS THROUGH OR OVER THE SURFACE EQUIPMENT. THE OPTIMAL HARROWING OPERATION SHOULD BE THE ONE THAT LEAVES THE SURFACE OF THE SOIL AS UNDISTURBED AS POSSIBLE. UNIFORM, FINE, AND EVENLY DISTRIBUTED. ALL BUT CLAY AND SILT SOILS WILL BE SUITABLE TO FERTILIZE.

6. REMOVE FROM THE SURFACE ALL STONES DEEPER OR LARGER IN SIZE THAN A GOLF BALL. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CLAY, TREE TRUNKS, LIMBS, AND OTHERS.

7. FERTILIZER SHOULD BE APPLIED TO THE SURFACE OF THE SOIL. UNLESS THE SOIL IS VERY LOOSELY COMPACTED, THE FERTILIZER SHOULD BE MIXED WITH THE SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER TO THE SURFACE.

8. IF APPLICABLE, FERTILIZER AND ORGANIC SOIL AMENDMENTS SHOULD BE APPLIED TO THE SURFACE OF THE SOIL.

9. APPLY UNIFORM AND CONSISTENT AMOUNTS OF SOIL TEST RECOMMENDATIONS. IF IT IS NOT FEASIBLE ON SMALL OR UNUSUAL SITES, THE AMOUNTS OF FERTILIZER AND UNIFORMITY MAY BE ADJUSTED AT THE FOLLOWING RATES:

UNIFORMITY APPLICATION RATE = 3 TONS/ACRE (150 LB./AC/INCH-SQ)
RECOMMENDATION TO SOIL CHROMIUM PLUS WAGGERS DROPS

FERTILIZER APPLICATION RATE = 500 LB./ACRE (13.6 LB./1,000-SQ)
 1/20 PPM PHOSPHATE FERTILIZER (N-P205-K2O) OR EQUIVALENT

7. FERTILIZER SHOULD BE RESTRICTED TO LOW PHOSPHATUM, SLOW RELEASE NITROGEN FERTILIZER WHEN APPLIED TO AREAS BETWEEN 25 AND 260 INCHES SURFACE WATER TO PREVENT EXCESS NUTRIENT LOADS. IT SHOULD BE APPLIED WITHIN 15-FT. OF A SURFACE WATER BODY. THERE ARE NO REQUIREMENTS FOR ANY WATER BODY PROTECTED BY THE COMPREHENSIVE SHORELAND PROTECTION ACT.

SEEDING:

1. INDICATE ALL WEDGE SEED WITH THE CORRECT TYPE OF INDICANT.
2. APPLY SEED UNIFORM BY HAND, CYCLONE SPREADER, OR CELL FULFILLER. THE SEEDER OR UNIFORMIZER SHOULD EXHAUST HOLDINGS. SEED AND FULFILLER SEEDING SHOULD BE USED TO PREVENT WIND-DRIVEN SEED.

- 3. WHERE FEASIBLE EXCEPT WHERE OTHER OUTPACHER TYPE CEDAR OR HYDROSEDER IS USED, THE SEEDBED SHOULD BE FILLED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG.
- 4. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES WITH LEGUMES. PERMANENT SEEDING SHOULD BE COMPLETED AS SOON AS POSSIBLE TO FIRST FROST. SPRING SEEDING SHOULD BE COMPLETED BY 15-30 JUNE AT LATEST 30% OF THE SEED SHOULD BE HAND SEED (UNSCURRED). IF SEEDING CANNOT BE DONE WITHIN THE SPECIFIED SEEDING DATES, MULCH ACCORDING TO THE "TEMPORARY AND PERMANENT MULCHING PRACTICES" SECTION OF THE SPECIFICATIONS, VOL. 3, AND INLAY SEEDING UNTIL THE NEXT FAVORABLE SEEDING PERIOD.
- 5. AREAS NEEDED BETWEEN MAY AND AUGUST 15 SHOULD BE COVERED WITH HAY OR STRAW MULCH, ACCORDING TO THE "TEMPORARY AND

HYDROSEEDING:
1. WITH HYDROSEEDING (HYDRAULIC APPLICATION), PREPARE THE SEED

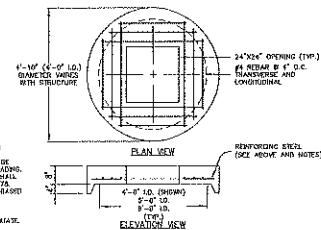
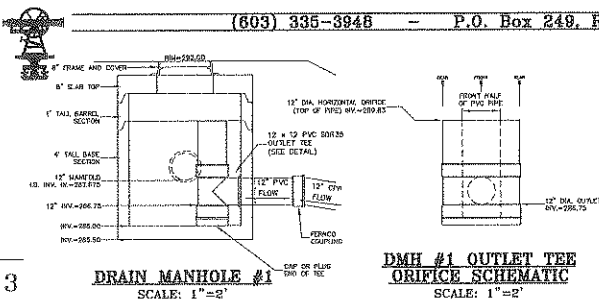
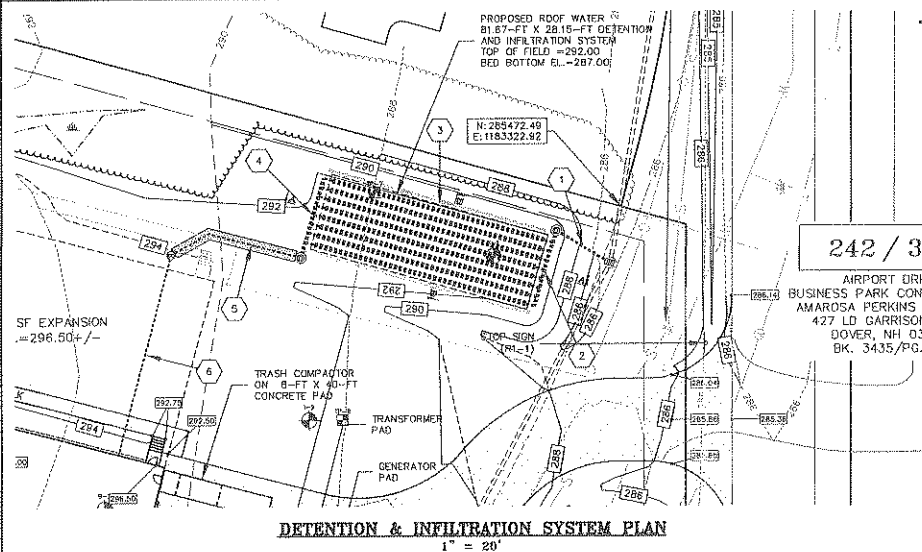
[illegible]

4. AT A MINIMUM 85% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION.
5. IF ANY EVIDENCE OF EROSION OR SEGMENTATION IS APPARENT, REPAIR SHOULD BE MADE AND AREAS SHOULD BE RESEEDING, WITH OTHER

SEEDLING REGENERATION DATA				
SIZE	NATURE	SPECIES	LOGS/ACRE	1,000- FEET
STEEP CUTS AND FLAT BROWN AND DISFOL	A	TALL REDDIE CHIPPING RED FICUS RED FICUS	30 33	8.46 9.45
WATERWAYS, BURNINGS, AND OTHER CHANGES WITH FLOWING WATERS	A	TALL REDDIE CHIPPING RED FICUS TOTAL	26 53	8.46 9.45
PREPARING LOGS AND UNDISTURBED LOWLY LANDS, AND LOW DENSITY REGENERATION SITE	A	TALL REDDIE CHIPPING RED FICUS TOTAL	26 42	8.46 9.89
WATERWAYS AND AERIAL FERTILIZATION FOR FLOODING GOOD WAYS	F	CHIPPING RED FICUS RED FICUS TOTAL	10 10	1.18 2.30

SOURCES:
NEW HAWAIIAN SILVICULTURAL MANAGEMENT MANUAL, VOLUME 3,
TABLES 4-2 AND 4-3
2. HARRISON, C. AND H. MARSHALL, (AUGUST 1959)

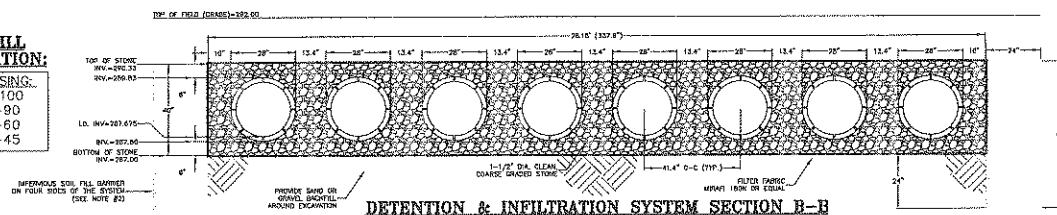
JULY 2012
SCALE: AS SHOWN
REVISION DATE
11/10/12
SHEET C-8



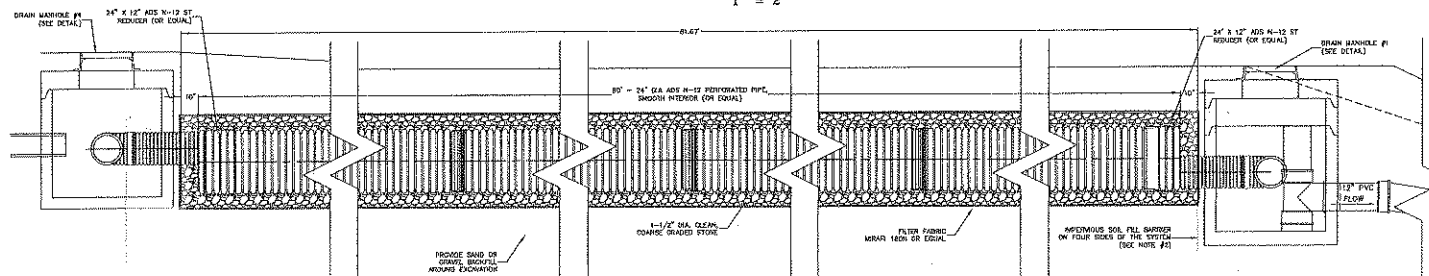
PRE-CAST REINFORCED CONCRETE SLAB COVER
NOT TO SCALE

IMPERVIOUS FILL
MATERIAL GRADATION:

SIEVE SIZE:	%PASSING:
#4	95-100
#40	60-90
#100	40-60
#200	25-45



DETENTION & INFILTRATION SYSTEM SECTION B-B



RETENTION AND INFILTRATION SYSTEM NOISE

- DEFINITION AND INSTALLATION SYSTEM NOTES:**
1. ALL CORRUGATED PLASTIC PIPE SHALL BE DUAL WALLDED POLY-ETHYLENE ADS 24-12 OR EQUAL.
 2. IMPERVIOUS MATERIAL SHALL MEET THE GRADATION SPECIFIED IN THE TABLE AND BE COMPACTED TO 95% MAXIMUM PROCTOR DENSITY IN 8" MAX. LIFTS.
 3. THE 1.5" COARSE GRADED STONE AGGREGATE SHALL HAVE A NONWOVEN GEOTEXTILE FABRIC, M80A1 160K OR EQUAL, OVER THE TOP AND AROUND THE PERIPHERY OF THE SYSTEM.
 4. CURB SHALL BE INSTALLED TO RETAIN THE CONSTRUCTION OF THE EXISTING SUBGRADE DURING CONSTRUCTION.

DETENTION & INFILTRATION SYSTEM SECTION A-A



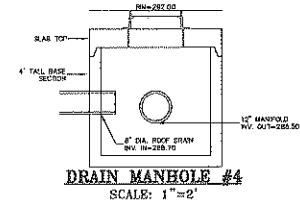
REVISIONS

REVISION FOR AOT COMMENT AND DESIGN TEAM REVIEW - 09/08/22
REVISION FOR NOD DESIGN TEAM COMMENT - 11/16/22

RETENTION AND INFILTRATION SYSTEM NOTES:

essentials

- [illegible]



**DRAINAGE STRUCTURES &
INFILTRATION SYSTEM
DETAILS
AIRPORT DRIVE
ROCHESTER, NH
STRAFFORD COUNTY
FOR
SAKUNTALA, LLC**

JULY 2012
SCALE: AS SHOWN
REVISION DATE

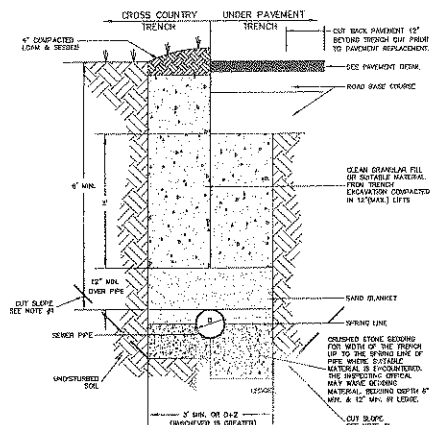
SHEET C-10

NORWAY PLAINS ASSOCIATES, INC.



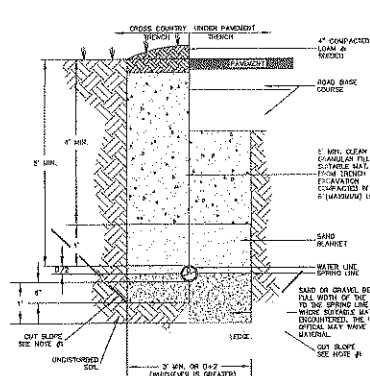
REVISION

REVISED PER ADT COMMENT AND DESIGN TEAM REVIEW - 09/06/12
REVISED PER HQ DESIGN TEAM COMMENT - 11/16/12



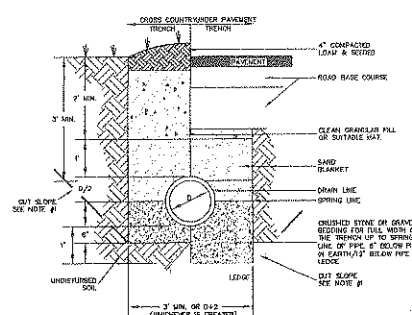
- NOTES:
1. PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 3:1 MAXIMUM TO A DEPTH OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT REQUIRE THE USE OF A TRENCH BOX.
 2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN PLAN.
 3. SAND PLANKET MAY BE OMITTED FOR REINFORCED CONCRETE PIPE.

SEWER PIPE
TRENCH INSTALLATION
DETAIL
NOT TO SCALE



- 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.

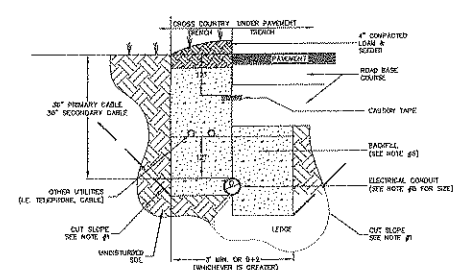
**WATER PIPE
TRENCH INSTALLATION
DETAIL**
NOT TO SCALE



- NOTES:
1. PILES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SLOE SLOES OF 1:1 LEANING TO A
BOTTOM OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT. REQUIRING THE USE OF A IRONCL DIRT.

3. SAND JOINTS MAY BE OBTAINED FOR REINFORCED CONCRETE PIPE.

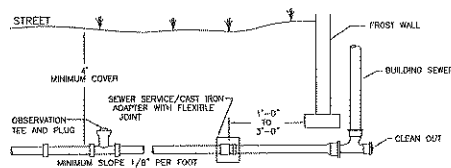
DRAINAGE PIPE
TRENCH INSTALLATION DETAIL
NOT TO SCALE



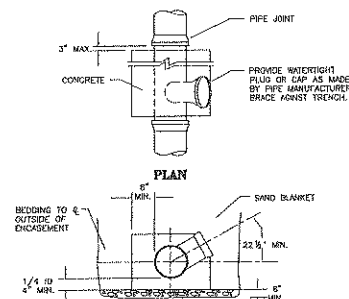
NOT

- [illegible]

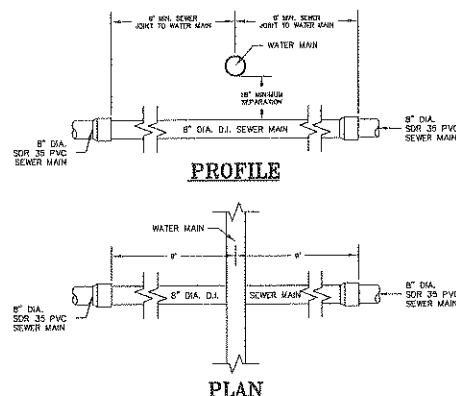
**ELECTRICAL &
UNDERGROUND UTILITY
TRENCH INSTALLATION
DETAIL
NOT TO SCALE**



**BUILDING SEWER
SERVICE DETAIL**
NOT TO SCALE



SECTION
CONCRETE FULL ENCASEMENT
NOT TO SCALE



SEWER MAIN CROSSING WATER MAIN NOTES

- SEWER MAIN CROSSING WATER MAIN NOTES:
1. SEWER PIPE SHALL BE CLASS 52 DUCTILE IRON.
2. SEWER PIPE JOINTS SHALL BE LOCATED AT LEAST 8-FT HORIZONTALLY FROM THE WATER MAIN.
3. SEWER PIPE JOINTS SHALL BE PRESSURE TESTED TO 25 POUNDS PER SQUARE INCH FOR GRAVITY SEWERS, AND AT 1-1/2 TIMES WORKING PRESSURE FOR FORCE MAINS.
4. VERTICAL SEPARATION OF THE SEWER AND WATER MAIN SHALL NOT BE LESS THAN 18 INCHES.

**WATER MAIN/SEWER MAIN
CROSSING DETAIL**
NOT TO SCALE

UTILITIES DETAILS
AIRPORT DRIVE
ROCHESTER, NH
STRAFFORD COUNTY
FOR
SAKUNTALA, LLC

JULY 2012
SCALE: AS SHOWN
REVISION DATE
11/18/12

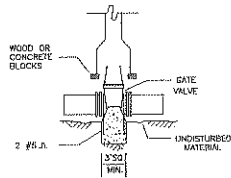
SHEET C-11

FILE NO.	104	DRAWN BY:	RRL
PLAN NO.	C-2630	CHECKED BY:	RRL
P.B. NO.	444	SCRD NO:	D-###
DWG. NO.	12079/SP-3		

NORWAY PLAINS ASSOCIATES, INC.



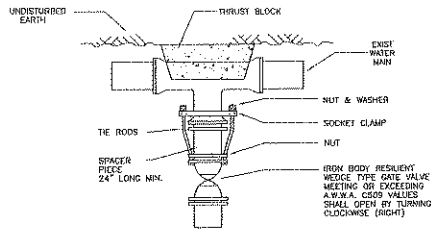
REVISIONS

 REVISED PER AOT COMMENT AND DESIGN TEAM REVIEW - 09/09/12
 REVISED PER MOD. DESIGN TEAM COMMENT - 11/16/12


ELEVATION

TYPICAL AT NON BRIDLED VALVE

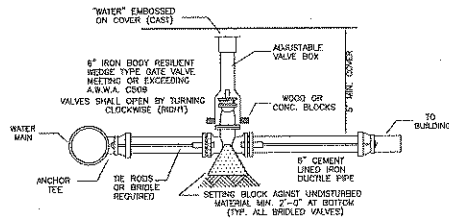
NOT TO SCALE



PLAN VIEW

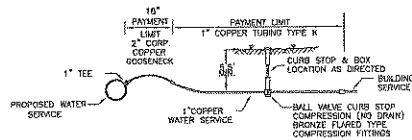
TYPICAL VALVE CONNECTION

NOT TO SCALE



TYPICAL FIRE SERVICE CONNECTION

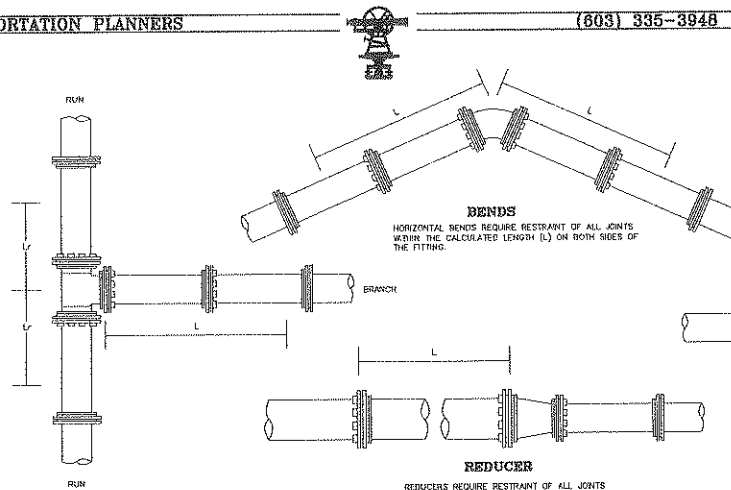
NOT TO SCALE



NOTE: SERVICE LINE SHALL BE TYPE K COPPER CONFORMING TO ASTM-D388

TYPICAL SERVICE CONNECTION

NOT TO SCALE



TEES

 TEE FITTINGS REQUIRE THE RESTRAINT OF ALL JOINTS WITHIN A CALCULATED LENGTH ALONG THE BRANCH PIPE. THE RESTRAINT DESIGN ALSO REQUIRES THE SELECTION OF A LENGTH OF PIPE ALONG THE RUN (L₂) TO BE FREE OF JOINTS.

BENDS

HORIZONTAL BENDS REQUIRE RESTRAINT OF ALL JOINTS WITHIN THE CALCULATED LENGTH (L) ON BOTH SIDES OF THE FITTING.

DEAD END

DEAD ENDS REQUIRE RESTRAINT OF ALL JOINTS WITHIN THE CALCULATED LENGTH (L) EXTENDING FROM THE CAP.

REDUCER

REDUCERS REQUIRE RESTRAINT OF ALL JOINTS WITHIN THE CALCULATED LENGTH (L) EXTENDING FROM THE FITTING ON THE SIDE OF THE LARGER PIPE.

MECHANICALLY RESTRAINED JOINTS

NOT TO SCALE

DUCTILE IRON MECHANICALLY RESTRAINED LENGTH (FEET)																				
PIPE DIAMETER (INCHES)	BENDS																DEAD END			
	11 1/4"				22 1/2"				42"				60"							
	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi				
4"	0	0	1	1	0	1	1	1	1	1	2	3	2	4	5	7	4	8	12	17
6"	0	0	1	1	1	1	2	2	1	2	3	4	3	5	8	10	8	12	16	23
8"	0	1	1	1	1	1	2	3	1	3	4	6	3	7	10	13	8	15	23	31
10"	0	1	1	2	1	2	2	3	2	3	5	7	4	8	12	16	8	16	26	37
12"	0	1	1	2	1	2	3	4	2	4	6	8	5	9	14	19	11	22	33	44
TEES*																				
	SAME SIZE				ONE SIZE SMALLER				ONE SIZE SMALLER				TWO SIZE SMALLER							
	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi				
4"	1	1	1	1	1	1	1	1	1	3	4	3	—	—	—	—				
6"	1	1	1	4	1	1	1	1	2	6	8	12	4	6	12	16				
8"	2	1	3	11	1	1	1	1	3	5	10	13	8	11	17	22				
10"	2	1	6	17	1	1	1	6	3	8	10	13	6	11	17	23				
12"	1	2	13	24	1	1	4	13	5	11	18	22	6	12	18	23				

* BASED ON A MINIMUM ATTACHED PIPE ALONG RUN (L₂) = 5 FEET
 NOTES:
 1. PIPE IS BURIED TO A DEPTH OF 8 FEET WITH A MINIMUM OF 4 INCHES OF COMPACTED SANDFILL MATERIAL UNDER THE PIPE TO THE SPRING LINE OF THE PIPE.
 2. THE EXISTING SOIL IS POORLY DRAINED GRAVEL AND GRAVEL SAND MIXTURE WITH LITTLE TO NO FINE.
 3. ALL CALCULATIONS ARE BASED ON A FACTOR OF SAFETY OF 1.5 TO 1.
 4. ALL CALCULATIONS ARE BASED ON THE "RESTRAINED LENGTH CALCULATION PROGRAM" BY ENRA INC., RELEASE 31.

MECHANICALLY RESTRAINED

LENGTH SCHEDULE

NOT TO SCALE

 UTILITIES DETAILS
 AIRPORT DRIVE
 ROCHESTER, NH
 STRAFFORD COUNTY
 FOR
 SAKUNTALA, LLC

 JULY 2012
 SCALE: AS SHOWN
 REVISION DATE
 11/16/12

SHEET C-12

 FILE NO. 104
 PLAN NO. C-2030
 P.E. NO. 888
 DWG. NO. 12079/SP-3

DRAWN BY: RRL

CHK'D BY: RRL

SCD NO: D-888

NORWAY PLAINS ASSOCIATES, INC.

Landscape Notes

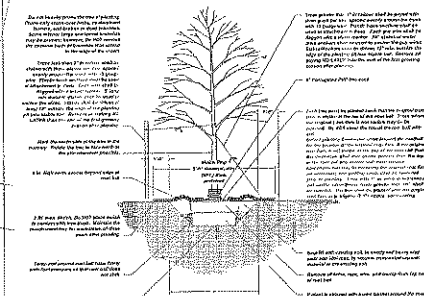
1. Design is based on drawings by Henry Platts Associates, Inc. dated 12/01/09 and any changes must be indicated on this sheet.
2. The site plan shall follow landscape guidelines as set forth in the site plan and shall be subject to the approval of the Planning Board.
3. The site plan shall be subject to the approval of the Planning Board.
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Plant List

TREES

Symbol	Botanical Name	Common Name	Quantity	Size	Comments
Ab	Abies balsamica	White Fir	10	8-10' H	8-10' H
Am	Amelanchier canadensis	Shadblow	2	8-10' H	8-10' H
Ar	Arctostaphylos uva-ursi	Arctostaphylos	4	2-3' H	2-3' H
Ba	Betula nigra	Black Birch	4	10-12' H	10-12' H
Ca	Cornus rugosa	Spicebush	2	2-3' H	2-3' H
Fr	Fraxinus americana	White Ash	4	2-3' H	2-3' H
Pg	Pinus strobus	White Pine	11	8-10' H	8-10' H

REVISIONS



TREE PLANTING DETAIL, TYP.

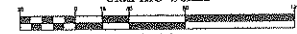


163 West Place
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Fax: 603.459.5939

LANDSCAPE PLAN AIRPORT DRIVE ROCHESTER, NH STRAFFORD COUNTY FOR SAKUNTALA, LLC

JULY 2012

GRAPHIC SCALE



1 INCH = 30 FT.

REVISION DATE

November 16, 2012

SHEET L-1

FILE NO. 104 DRAWN BY: VB
PLAN NO. C- CHECK BY: RF
P.R. NO. C.R.D. NO.
DWG. NO. 12079/SP-1

NORWAY PLAINS ASSOCIATES, INC.

