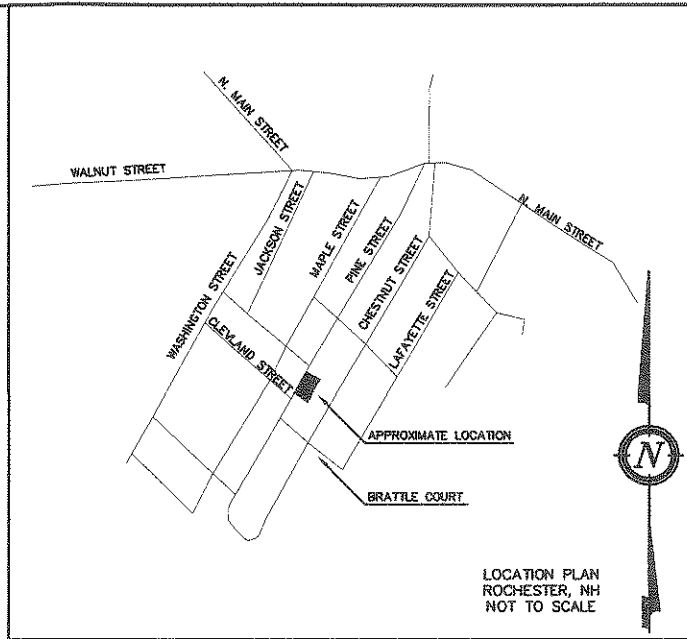


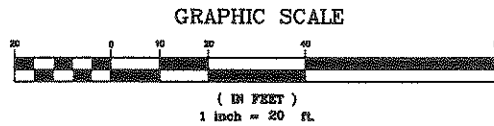
WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SUBDIVISION PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/ DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SUBDIVISION REGULATIONS, AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INsofar AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SITE PLAN APPROVAL.

GRANTED WAIVERS :



- NOTES:
- 1.) OWNER: ST. MICHAELS CHURCH
P.O. BOX 1623
ROCHESTER, NH 03867
 - 2.) TAX MAP 121, LOT 139
 - 3.) LOT AREA: 14,877 SQ. FT. 0.34 Ac.
 - 4.) S.C.R.D. BOOK 3924, PAGE 58
 - 5.) ZONING: R2
TOTAL LOT AREA ~ 6,000SQFT.
FRONTAGE ~ 60'
FRONT YARD ~ 15'
SIDE YARD ~ 8'
REAR YARD ~ 25'
 - 6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.:
FEMA, MAP NO.: 33017C0216D
DATED : MAY 17, 2005
 - 7.) FOR MORE INFORMATION ABOUT THIS SUBDIVISION, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867, (603) 335-1338.
 - 8.) VERTICAL DATUM BASED ON ARBITRARY ELEVATIONS. HORIZONTAL DATUM BASED ON MAGNETIC BEARINGS TAKEN JUNE, 2011.

RECEIVED
JUL 27 2011
Planning Dept.



REVISION	DATE	DESCRIPTION
		EXISTING CONDITIONS LAND OF ST. MICHAELS CHURCH TAX MAP 121, LOT 139 PINE STREET ROCHESTER, NH
		BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863 SCALE : 1 IN. EQUALS 20 FT. DATE : JUNE 13, 2011 FILE NO. : DB 2011-078

PAGE 1 OF

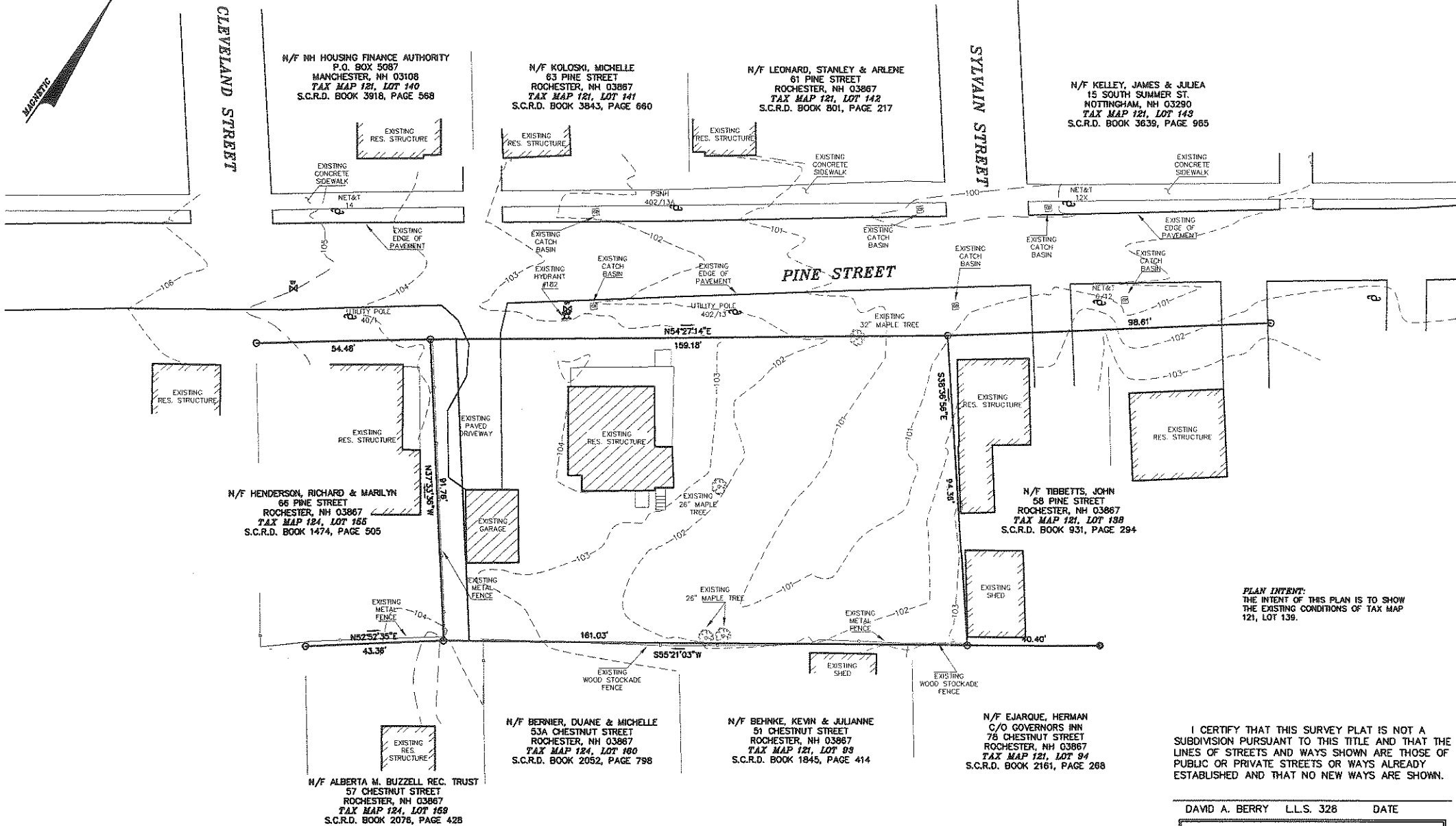
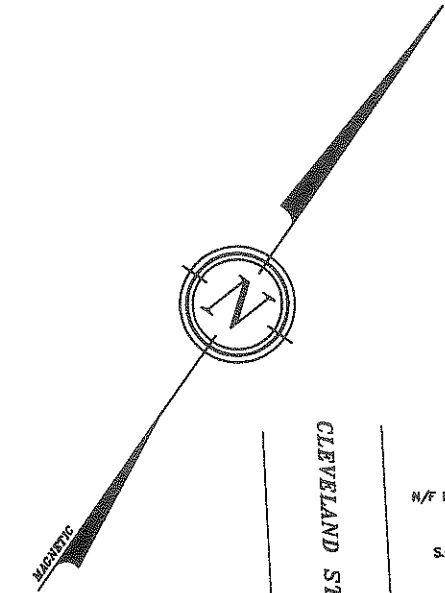
FINAL APPROVAL
BY
ROCHESTER PLANNING BOARD
CERTIFIED BY :
DATE :

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

DAVID A. BERRY LLS 328 DATE

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND OF THE CITY OF ROCHESTER, N.H.. - 1:10,000

DAVID A. BERRY LLS 328 DATE



PLAN INTENT:
THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF TAX MAP 121, LOT 139.

PARKING CALCULATIONS:

1 SPACE FOR EVERY 4 PARTITIONERS

45 / 4 = 12 SPACES REQUIRED

PLAN INTENT:
THE INTENT OF THIS PLAN IS TO SHOW
THE PROPOSED CONDITIONS OF TAX
MAP 121, LOT 139.

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SUBDIVISION PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/ DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SUBDIVISION REGULATIONS, AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INsofar AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SITE PLAN APPROVAL.

GRANTED WAIVERS :

LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QTY	CATALOG NUMBER	DESCRIPTION	LAMP	FILE
□	A	3	WST 150M FT (PULSE START)	ARCHITECTURAL SCIENCE WITH FORWARD THROW DISTRIBUTION WITH CLEAR, FLAT GLASS LENS. CLEAR LAMP. MEETS THE "NIGHTTIME FRIENDLY" CRITERIA	ONE 150-WATT CLEAR ED17 PULSE START METAL HALIDE. HORIZONTAL POS.	WST_150M_F T_(PULSE_ST ART).IES
				MOUNTED TO THE BUILDING AT 15'		
				LUMENS LLF WATTS		
				12900 0.81 185		

NOTES:

- OWNER: ST. MICHAELS CHURCH
P.O. BOX 1623
ROCHESTER, NH 03867
- TAX MAP 121, LOT 139
- LOT AREA: 14,877 SQ. FT. 0.34 AC.
- S.C.R.D. BOOK 3924, PAGE 58
- ZONING: R2
TOTAL LOT AREA ~ 6,000SQFT.
FRONTAGE ~ 60'
FRONT YARD ~15'
SIDE YARD ~ 8'
REAR YARD ~ 25'
- PROPOSED OPEN SPACE ~ 12,577 Sq.Ft. 0.29 AC. 84.54%
PROPOSED IMPERVIOUS COVER ~ 2,300 Sq.Ft., 0.05 AC, 48.50%
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# - 330150, MAP# -33017C0211D DATED: MAY 17, 2005 (ZONE X, OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN)
- PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING JUNE 2011 WITH AN ERROR OF CLOSURE GREATER THENF 1 IN 10,000.
- STREET ADDRESSES FOR THE BUILDING WILL BE INSTALLED PRIOR TO THE CERTIFICATE OF OCCUPANCY

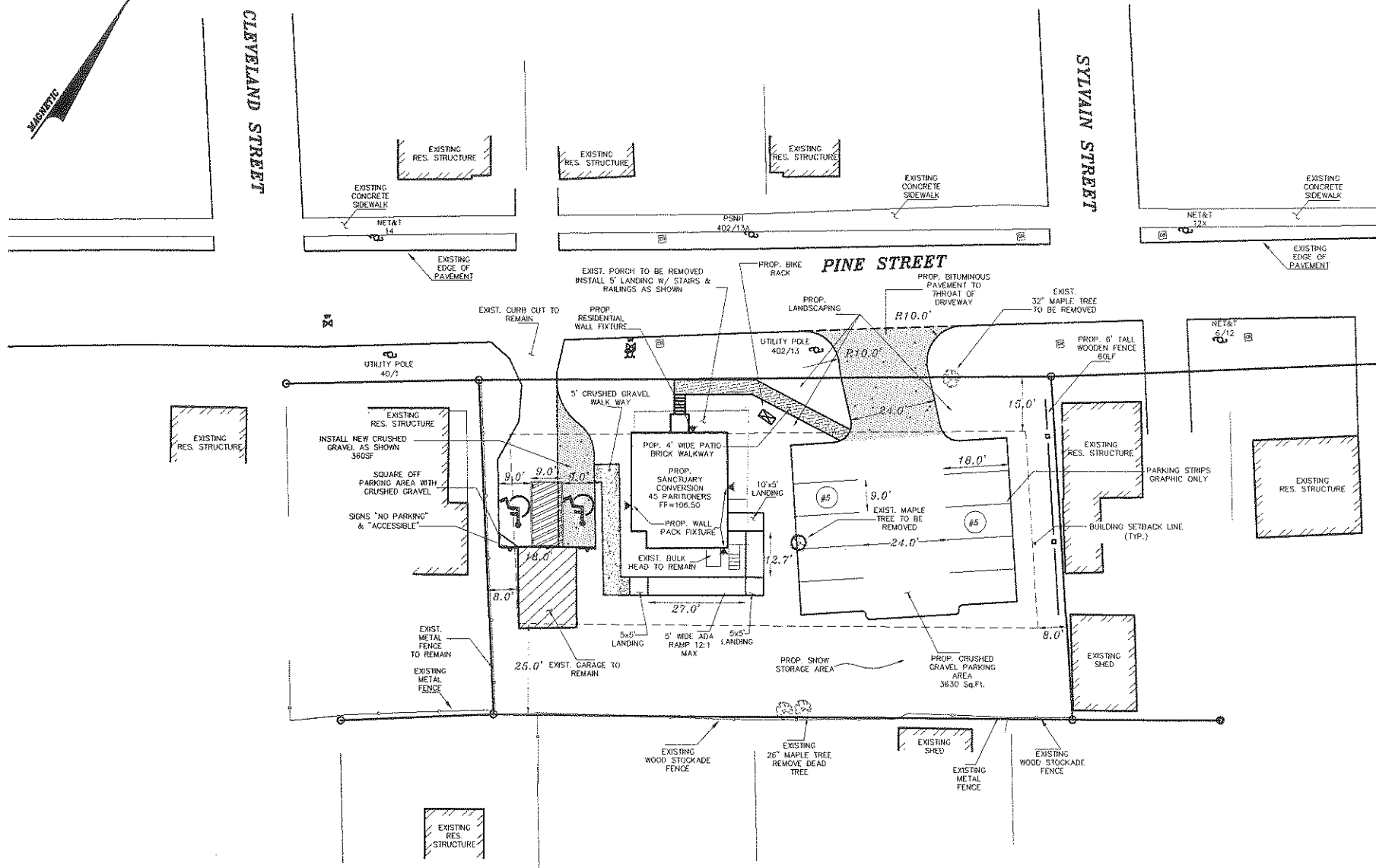
- THE PROPOSED USE IS A CHURCH
- THIS SITE IS SERVICED BY MUNICIPAL SEWER AND WATER
- THERE ARE NO REVISIONS PROPOSED TO THE ON-SITE UTILITIES.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE TOWN AND STATE CODES.
- ALL EROSION CONTROL NOTES SHALL INCLUDE PROVISIONS FOR CONSTRUCTION SEQUENCING, TEMPORARY EROSION CONTROL MEASURES, AND PERMANENT STANDARDS SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION.
- ALL CONSTRUCTION SHALL CONFORM WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- SWALE LINE IS TO BE LINED WITH SOD. ALL OTHERS TO BE LOAM AND SEED.
- ALL TEMPORARY LOAM STOCKPILES SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES.
- WRITTEN DIMENSIONS ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 PRIOR TO ANY EXCAVATION.
- A SIGN PERMIT IS TO BE OBTAINED PRIOR TO ITS CONSTRUCTION.
- SEE SNOW STORAGE AREAS. EXCESS SNOW IS TO BE TRUCKED OFF-SITE AND DISPOSED OF PROPERLY.
- HOURS OF OPERATION 8AM-9PM M-F, 6AM-9PM S&S. THERE WILL BE OCCASION OVERNIGHT STAYS. (LIMITED TO 4 PER MONTH) ASSOCIATED MUSIC WILL NOT EXTEND BEYOND 7AM-8PM
- CONSTRUCTION ACTIVITY RELATED TO THIS SITE IS LIMITED TO 7:00 A.M. TO 6:00 P.M. MONDAY THROUGH FRIDAY AND 8:00 A.M. TO 6:00 P.M. SATURDAY.
- ALL OFF-SITE IMPROVEMENTS REQUIRED FOR THIS PROPOSAL WILL BE COMPLETED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. (NONE REQUIRED)
- THIS PLAN PROPOSES 8,000 Sq.Ft., OF DISTURBANCE
- THIS PLAN IS DESIGNED TO ACCOMMODATE A SU SIZED VEHICLES
- A FIRE SUPPRESSION SYSTEM IS NOT INCORPORATED AS PART OF THESE PLANS.
- THERE IS OVER 400' FEET OF SIGHT DISTANCE IN BOTH THE NORTH AND SOUTH DIRECTIONS.
- FIND "STORMWATER SYSTEM OPERATION AND MAINTENANCE PLAN AND INSPECTION AND MAINTENANCE MANUAL" MAINTENANCE AND INSPECTION REQUIRED IN THIS REPORT IS REQUIRED PER THIS SITE PLAN.
- REFUSE WILL BE REMOVED FROM THE SITE BY THE PARISHIONERS
- PARKING ON PINE STREET IS DISCOURAGED DURING SUMMER MONTHS AND PROHIBITED DURING WINTER MONTHS.
- COMPACTION OF PARKING AREA WILL BE DONE WITH A VIBRATORY ROLLER ON A "LOW" SETTING SO AS NOT TO HARM SURROUNDING RESIDENTIAL STRUCTURES.
- IF DURING CONSTRUCTION DBRIS IS DEPOSITED IN PINE STREET THE APPLICANT IS REQUIRED TO SWEEP AND CLEAN. INSPECTIONS SHOULD BE DONE EVERY AFTERNOON.
- IT IS THE APPLICANTS RESPONSABILITY TO ENSURE NO DUST IS CREATED FROM THE USE OF THIS PARKING LOT. WATERING METHODS AND THE USE OF ADDITIVES IS REQUIRED IF AIR BORN DUST OCCURS.

DESCRIPTION	
DATE	REVISION

PROPOSED SITE PLAN
LAND OF
ST. MICHAELS CHURCH
TAX MAP 121, LOT 139
PINE STREET
ROCHESTER, NH

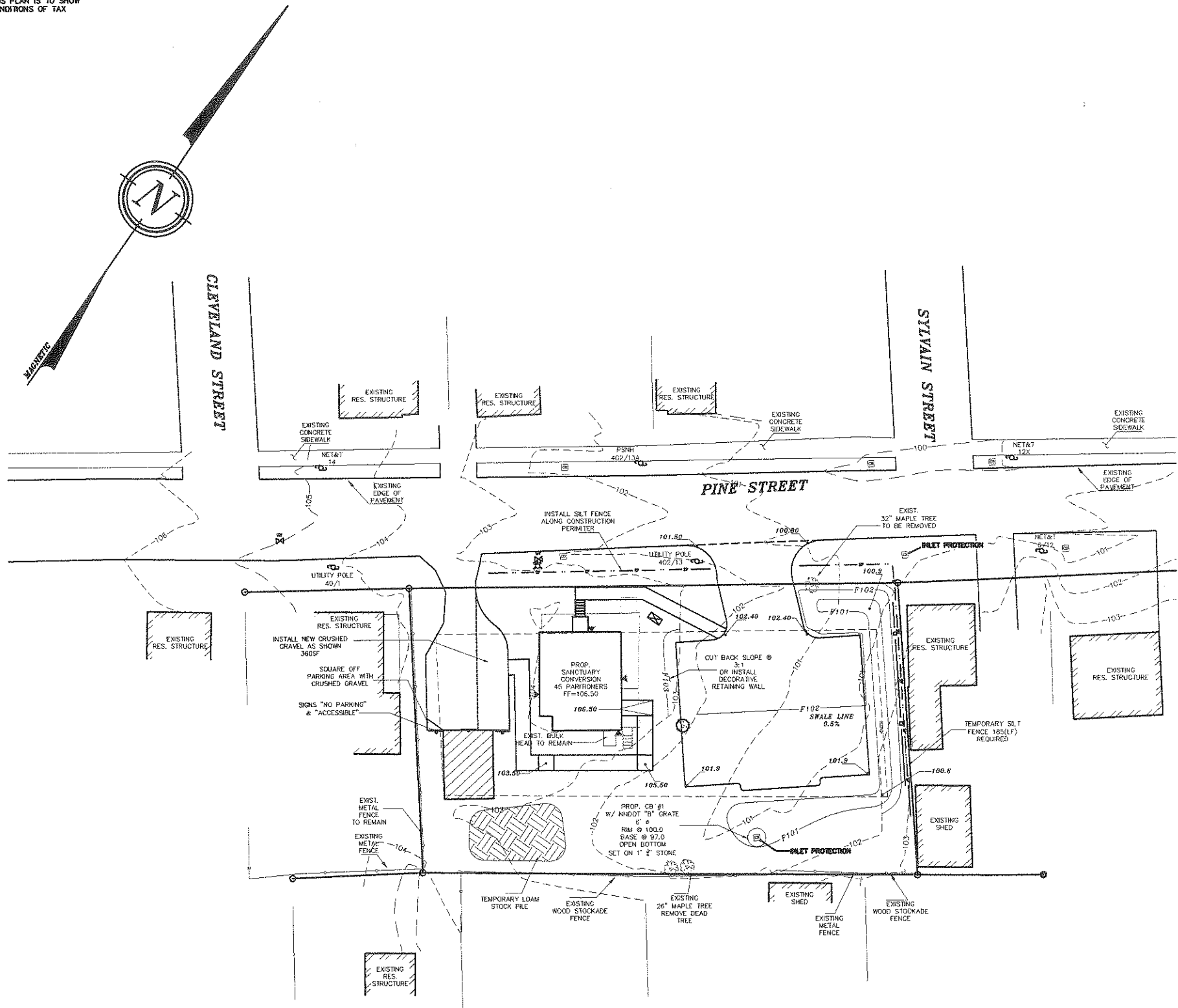
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, N.H. 332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : JULY 20, 2011
FILE NO. : DB 2011-078

FINAL APPROVAL
BY
ROCHESTER PLANNING BOARD
CERTIFIED BY :
DATE :



PARKING CALCULATIONS:
1 SPACE FOR EVERY 4 PARTITIONERS
45 / 4 = 12 SPACES REQUIRED

PLAN INTENT:
THE INTENT OF THIS PLAN IS TO SHOW
THE PROPOSED CONDITIONS OF TAX
MAP 121, LOT 139.



FINAL APPROVAL
BY
ROCHESTER PLANNING BOARD
CERTIFIED BY : _____
DATE : _____

REVISION	DATE	DESCRIPTION

GRADING & DRAINAGE
LAND OF
ST. MICHAELS CHURCH
TAX MAP 121, LOT 139
PINE STREET
ROCHESTER, NH

BERRY SURVEYING & ENGINEERING

335 SECOND CROWN POINT ROAD

BARRINGTON, N.H. 332-2863

SCALE : 1 IN. EQUALS 20 FT.

DATE : JULY 20, 2011

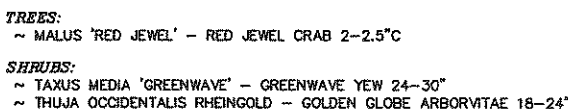
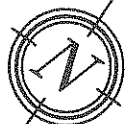
FILE NO. : DB 2011-078

THE STATE OF NEW HAMPSHIRE

DAVID A. BERRY

No. 1088

REGISTERED PROFESSIONAL ENGINEER



- 1.) ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 - NURSERY STOCK, LATEST EDITIONS (AMERICAN ASSOCIATION OF NURSESMEN, INC.)
- 2.) 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUND COVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.
- 3.) PLANT PIT BACK FILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PARTS OF DEHYDRATED COW MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON-SITE TOPSOIL AS PART OF BACK FILL WHEN AVAILABLE.
- 4.) ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEED OR SOD AS INDICATED ON PLANS.

- 5.) ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.
- 6.) ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIX, PLANT BED AND TREE PIT PREPARATION, PRUNING STAKING OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE FROM OWNER.
- 7.) ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.
- 8.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE AND OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.
- 9.) NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.
- 10.) ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 3" CLEAN SHREDDED BLACK MULCH
- 11.) WHERE INDICATED ON PLAN, PLANTING SOIL MIXTURE FOR GROUND COVER AND PERENNIAL BED AREAS SHALL CONSIST OF FOUR PARTS TOPSOIL, TWO PARTS SPHAGNUM PEAT MOSS, AND ONE PART HORTICULTURAL PERLITE BY VOLUME. PEAT MOSS MAY BE SUBSTITUTED WITH WELL-ROTTED OR DEHYDRATED MANURE OR COMPOST. ROTOTILL BEDS TO A DEPTH OF 8 INCHES.
- 12.) MAINTENANCE OF NEW PLANTINGS AND LAWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND OR LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER. RESPONSIBILITIES SHALL INCLUDE WATERING WEEDING AND MOWING AS NECESSARY. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR AND ADDITIONAL YEAR FROM TIME OF INSTALLATION.
- 13.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY EROSION CONTROL MEASURES DURING THE CONSTRUCTION PHASE AND UNTIL ALL AREAS HAVE BEEN STABILIZED AND ACCEPTED BY THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS OF EROSION MEASURE AND IMMEDIATELY AFTER STORM EVENTS AND REPAIR AS NECESSARY.
- 14.) THE GENERAL CONTRACTOR AND THE OR THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TREE GUYING MATERIAL ONCE PLANT MATERIAL HAS BEEN ESTABLISHED. (MINIMUM OF ONE GROWING SEASON). ALL TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVED ONCE STABILIZATION OF DISTURBANCE HAS BEEN ACCEPTED BY OWNER.
- 15.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM OF TWO MOWING FOR ALL TURF AREAS OR UNTIL ACCEPTANCE BY THE OWNER. A MINIMUM UNIFORM 75% CATCH OF TURF IS REQUIRED FOR ACCEPTANCE.
- 16.) ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.
- 17.) SHRUBS OR TREES WHICH DIE SHALL BE REPLACED WITHIN ONE GROWING SEASON WITH NEW SHRUBS OR TREES TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE LANDSCAPING REQUIREMENTS.

LAWNS MOWN 39 TIMES A YEAR.

LAWNS FERTILIZED 3 TIMES A YEAR

GARDEN WEEDED MONTHLY

TREES AND SHRUBS PRUNED AFTER FLOWERING OR FOR SHAPE WHEN THEY REQUIRE

HEDGES TRIMMED TWICE A YEAR

PEST AND DISEASE CONTROL OF LAWNS AND GARDEN

MAINTAIN BARK AND MULCH LEVELS

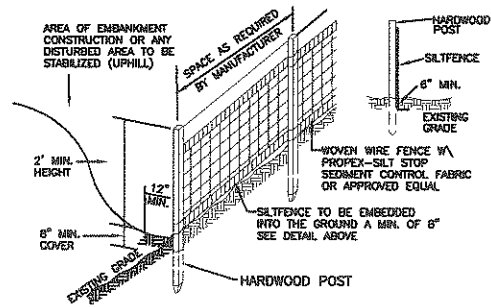
FEED FRUIT AND CITRUS TREES ANNUALLY

TREAT PATIOS, DRIVEWAYS AND OUTDOOR FURNITURE FOR MOSS AND MOULD

SERVICE IRRIGATION SYSTEM IN SPRING AND ADJUST SEASONALLY.

LANDSCAPING
LAND OF
ST. MICHAELS CHURCH
TAX MAP 121, LOT 199
PINE STREET
ROCHESTER, NH

THE STATE OF NEW HAMPSHIRE
DAVID
A.
BERRY
No. 1058
REGISTERED
PROFESSIONAL ENGINEER



- SILT FENCE CONSTRUCTION SPECIFICATIONS**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 6" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A
 2. MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER.
 3. THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT
 4. REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE
 5. FOR SEDIMENT STORAGE SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND
 6. THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED

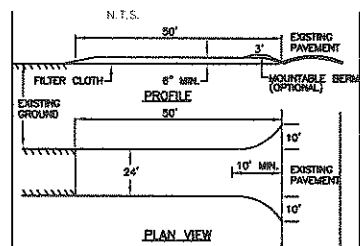
- SILT FENCE MAINTENANCE**
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME
 2. INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT.
 3. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE
 4. FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE DETAIL
N.T.S.

E1

E5

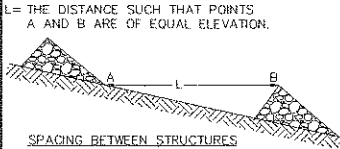
STABILIZED CONSTRUCTION ENTRANCE



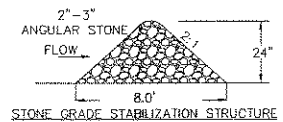
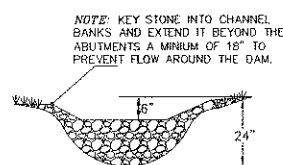
1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 RICH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 8 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

L= THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

STONE CHECK DAM

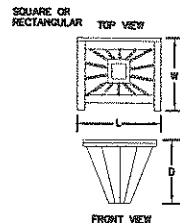


1. CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THEN ONE ACRE.
3. THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
4. THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.
5. THE MAXIMUM SPACING IS AS SHOWN ON THE PROJECT SITE PLANS.
6. CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM.
7. TEMPORARY CHECK DAMS WILL BE REMOVED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.

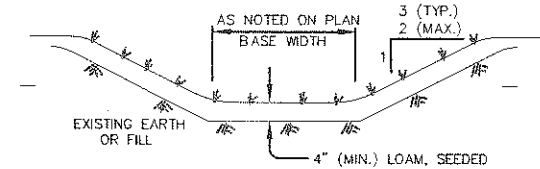


E9

E10



INLET FILTER BASKET
NOT TO SCALE

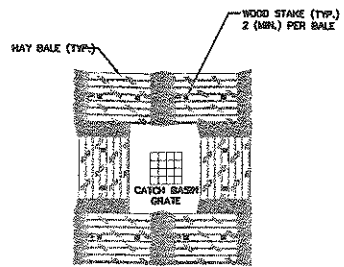


GRASS TREATMENT SWALE
NOT TO SCALE

INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY.
MOW GRASS ANNUALLY TO A DEPTH OF 4".

E6

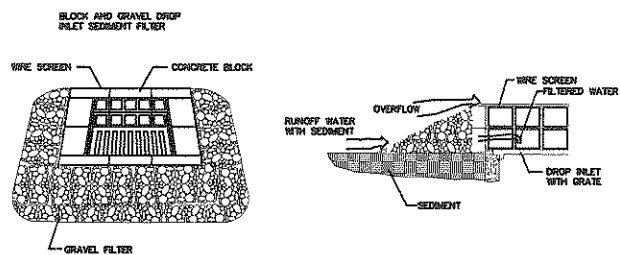
E3



- NOTE:**
BALES TO REMAIN UNTIL SUBBASE PREPARATION IS COMPLETE AND PAVING IS TO BEGIN OR UNTIL ALL UPSTREAM AREAS ARE STABILIZED WITH VEGETATION.
- CONSTRUCTION SPECIFICATIONS FOR STRAW OR HAY BALE BARRIERS**
1. STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
 2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED.
 3. WHEN HAY BALES ARE USED, THE BALES SHALL BE EMBEDDED AT LEAST 4 INCHES INTO THE SOIL. WHEN TIMBER STRUCTURES ARE USED, THE TIMBER SHALL EXTEND AT LEAST 18 INCHES INTO THE SOIL.
 4. HAY OR STRAW BALES SHALL BE ANCHORED INTO THE SOIL USING 2" X 2" STAKES DRIVEN THROUGH THE BALES AND AT LEAST 18 INCHES INTO THE SOIL.
 5. SEEDING, FERTILIZING, AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATE VEGETATIVE SUP.
 6. STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.

SEDIMENT CONTROL AT CATCH BASINS
NOT TO SCALE

E7



MAINTENANCE

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

BLOCK & GRAVEL DROP INLET SEDIMENT FILTER
NOT TO SCALE

E11

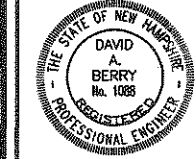
WINTER STABILIZATION NOTES

1. All disturbed areas that do not have at least 85% vegetative coverage prior to October 15th, shall be stabilized by applying mulch at a rate of 3-4 tons per acre. All side slopes, steeper than 4:1, that are not directed to swales or detention basins, shall be lined with biodegradable/photodegradable "jute matting" (Excelsior's Curlex II or equal). All other slopes shall be mulched and tacked at a rate of 3-4 tons per acre. The application of mulch and/or jute matting shall not occur over existing snow cover. If the site is active after November 15th, any snow that accumulates on disturbed areas shall be removed. Prior to spring thaw all areas will be stabilized, as directed above.
2. All swales that do not have fully established vegetation shall be either lined with temporary jute matting or temporary stone check dams (appropriately spaced). Stone check dams will be maintained throughout the winter months. If the swales are to be matted with permanent liners or riprap with engineering fabric, this shall be completed prior to winter shutdown or as soon as they are properly graded and shaped.
3. Prior to Nov. 15th all roadway and parking areas shall be brought up to and through the bank run gravel application. If these areas' elevations are proposed to remain below the proposed subgrade elevation, the subgrade material shall be roughly crowned and a 3" layer of crushed gravel shall be placed and compacted. This will allow the subgrade to shed runoff and will reduce roadway erosion. This crushed gravel does not have to conform to NH DOT 304.3, but shall have between 15-25% passing the #200 sieve and the largest stone size shall be 2". If the site is active after November 15th, any accumulated snow shall be removed from all roadway and parking areas.
4. After October 15th, the end of New Hampshire's average growing season, no additional loam shall be spread on side slopes and swales. The stockpiles that will be left undisturbed until spring shall be seeded by this date. After October 15th, any new or disturbed piles shall be mulched at a rate of 3-4 tons per acre. All stockpiles that will remain throughout the winter shall be surrounded with silt fencing.

REVISION	DATE	DESCRIPTION

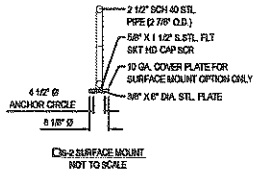
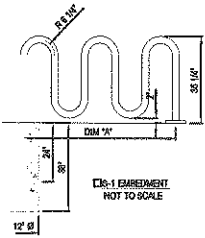
PROPOSED SITE PLAN
LAND OF
ST. MICHAELS CHURCH
TAX MAP 121, LOT 139
PINE STREET
ROCHESTER, NH

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 {332-2863}
SCALE : AS MARKED
DATE : JULY 20, 2011
FILE NO. : DB 2011-078





JMOR, INC.
15 INDUSTRIAL CIRCLE, P.O. BOX 142
MIFFLINTOWN, PA. 17059-0142
1-800-598-4016
PHONE: (717) 438-2106
FAX: (717) 438-9659
www.jmor.com



MODEL NO.	PEAKS	DIM. W.
125-20	2	37 1/2" L.G.
125-30	3	52 1/2" L.G.
125-40	4	67 1/2" L.G.
125-50	5	82 1/2" L.G.

SELECT DESIRED FINISH OPTION
COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING
HOT DIPPED GALVANIZED

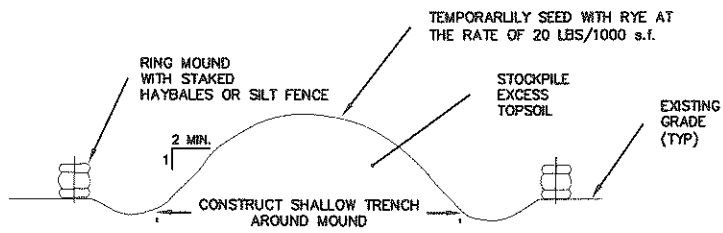
NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTION #2.
4. CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT www.CADdata.com/dtd REFERENCE NUMBER 017-411.

125 SERIES BIKE RACKS

NOT TO SCALE

E15



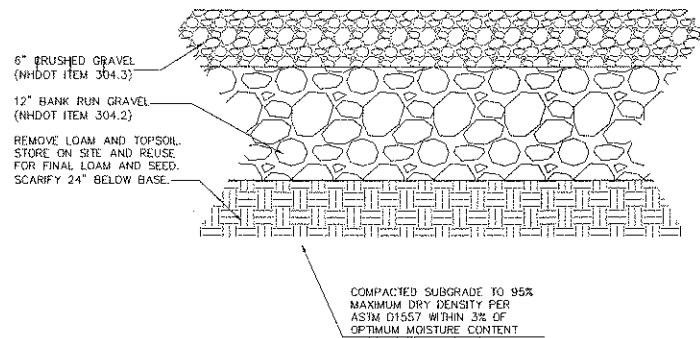
TOPSOIL STOCKPILE MOUND

NOT TO SCALE

E18

DEFINITION OF STABLE:

1. WHEN A BASE COURSE GRAVEL HAS BEEN INSTALLED IN AN AREA TO BE PAVED.
2. WHEN A LAYER OF 20" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
3. WHEN A MINIMUM OF 5" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
4. WHEN PROPER EROSION CONTROL MEASURES, SUCH AS CURBS, CATCH BASINS, OR OTHER BUT APPROVED MEASURES, HAS BEEN INSTALLED PROPERLY.



NOTES:

1. AGGREGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304, ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.
2. PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROOF ROLLED AND COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.

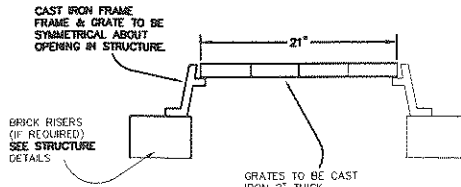
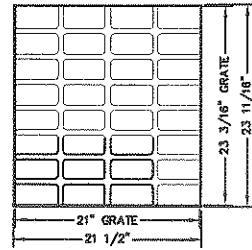
E19

PARKING LOT SECTION

NOT TO SCALE

E12

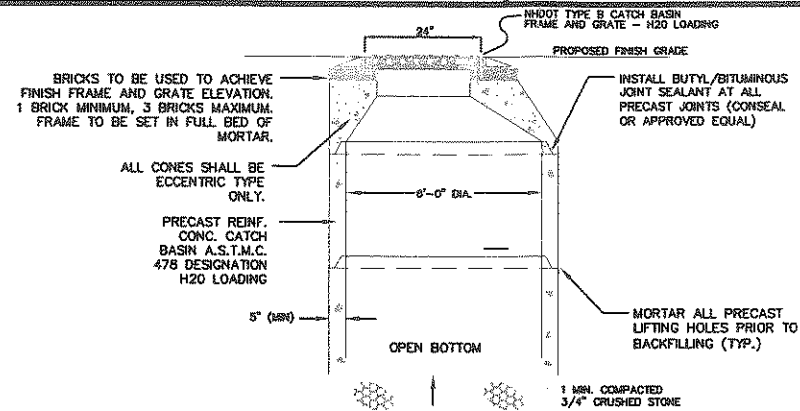
E13



CATCH BASIN GRATE DETAILS (N.T.S.)

E14

E17



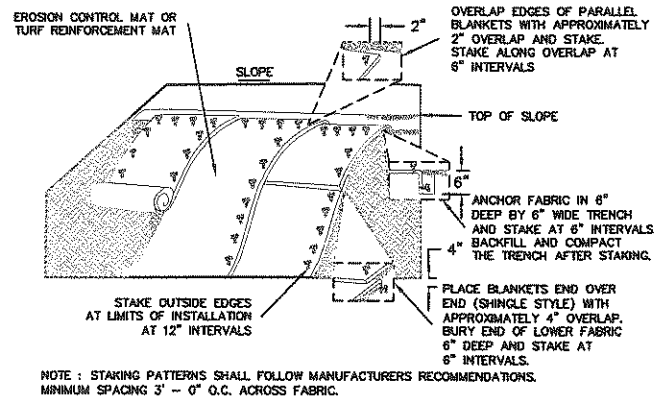
CATCH BASIN DETAIL

NOT TO SCALE

SEEDING SPECIFICATIONS

1. Grading and Shaping
 - a. Slopes shall not be steeper than 2:1:1 slopes or flatter are preferred. Where moving will be done, 3:1 slopes or flatter are recommended.
2. Seedbed Preparation
 - a. Surface and seepage water should be drained or diverted from the site to prevent drowning or winter killing of the plants.
 - b. Stones larger than 4 inches and trash should be removed because they interfere with seeding and future maintenance of the area. Where feasible, the soil should be tilled to a depth of about 4 inches to prepare a seedbed and mix fertilizer and lime into the soil. The seedbed should be left in reasonably firm and smooth condition. The last tillage operation should be performed across the slope wherever practical.
3. Establishing a Stand
 - a. Lime and fertilizer should be applied prior to or at the time of seeding and incorporated into the soil. Rates and amounts of lime and fertilizer should be based on an evaluation of soil tests. When a soil test is not available, the following minimum amounts should be applied:
Agricultural limestone, 2 tons per acre or 100lbs. per 1,000 sq.ft.
Nitrogen(N), 50lbs. per acre or 1.1lbs. per 1,000 sq.ft.
Phosphate(P2O5), 100lbs. per acre or 2.2lbs. per 1,000 sq.ft.
Potash(K2O), 100lbs. per acre or 2.2lbs. per 1,000 sq.ft.
(Note: This is the equivalent of 500lbs. per acre of 10-20-20 fertilizer or 1,000lbs. per acre of 5-10-10.)
 - b. Seed should be spread uniformly by the method most appropriate for the site. Methods include broadcasting, drilling and hydroseeding. Where broadcasting is used, cover seed with .25 inch of soil or less, by cultipacking or raking.
 - c. Refer to Table(E-E1 this sheet) for appropriate seed mixtures and Table(H-E1 this sheet) for rates of seeding. All legumes (crownvetch, birdfoot trefoil, and flatpea) must be inoculated with their specific inoculant.
 - d. When seeded areas are mulched, plantings may be made from early spring to early October. When seeded areas are not mulched, plantings should be made from early spring to May 20 or from August 10 to September 1.
4. Mulch
 - a. Hay, straw, or other mulch, when needed, should be applied immediately after seeding.
 - b. Mulch will be held in place using appropriate techniques from the Best Management Practices for mulching. Hay or straw mulch shall be placed at a rate of 90lbs per 1000 s.f.
5. Maintenance to Establish a Stand
 - a. Planted area should be protected from damage by fire, grazing, traffic, and dense weed growth.
 - b. Fertilization needs should be determined by onsite inspections. Supplemental fertilizer is usually the key to fully complete the establishment of the stand because most perennial stands 2 to 3 years to become established.
 - c. In waterways, channels, or seales where uniform flow conditions are anticipated, occasional mowing may be necessary to control growth of woody vegetation.

E20



INSTALLATION OF EROSION CONTROL FABRICS

NOT TO SCALE

CONSTRUCTION SEQUENCE:

1. CUT AND REMOVE TREES IN CONSTRUCTION AREAS AS DIRECTED OR REQUIRED.
2. INSTALL SILT FENCE AND CONSTRUCT TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES (VEGETATED SWALES, LEVEL SPREADERS, AND CONSTRUCTED FILTER STRIPS, AS REQUIRED). EROSION, SEDIMENT AND FACILITIES SHALL BE INSTALLED AND STABILIZED PRIOR TO ANY EARTH MOVING OPERATION, AND PRIOR TO DIRECTING RUN-OFF TO THEM.
3. CLEAR, GRUB, AND DISPOSE OF DEBRIS IN APPROVED FACILITIES.
4. EXCAVATE AND STOCKPILE TOPSOIL / LOAM. ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
5. CONSTRUCT THE ROADWAY AND ITS ASSOCIATED DRAINAGE STRUCTURES.
6. BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDDED AND MULCHED AS REQUIRED, OR DIRECTED.
7. DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINAGE DITCHES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION ON THE SITE AND PREVENT ANY SILTATION OF ADJUTING WATERS OR PROPERTY.
8. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
9. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
10. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE. SMOOTH AND RE-VEGETATE ALL DISTURBED AREAS.
11. ALL SWALES AND DRAINAGE STRUCTURES WILL BE CONSTRUCTED AND STABILIZED PRIOR TO HAVING RUN-OFF BEING DIRECTED TO THEM.
12. FINISH GRAVELING ALL ROADWAYS/PARKING.

E22

E-102

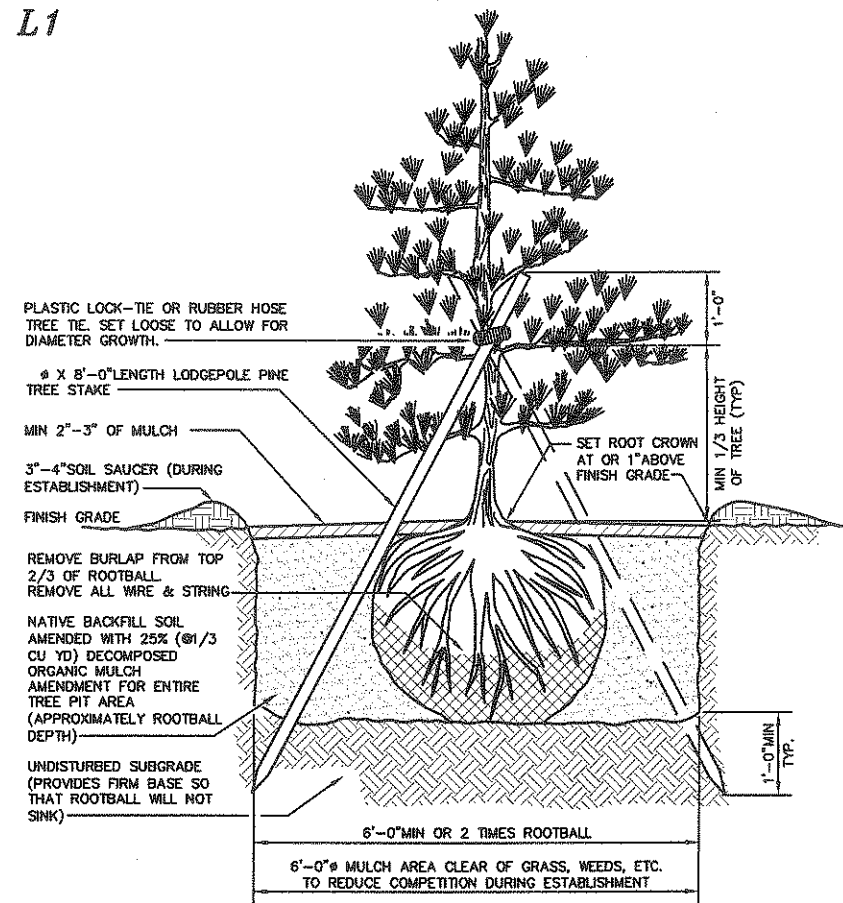
PROPOSED SITE PLAN
LAND OF
ST. MICHAELS CHURCH
TAX MAP 121, LOT 199
PINE STREET
ROCHESTER, NH

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
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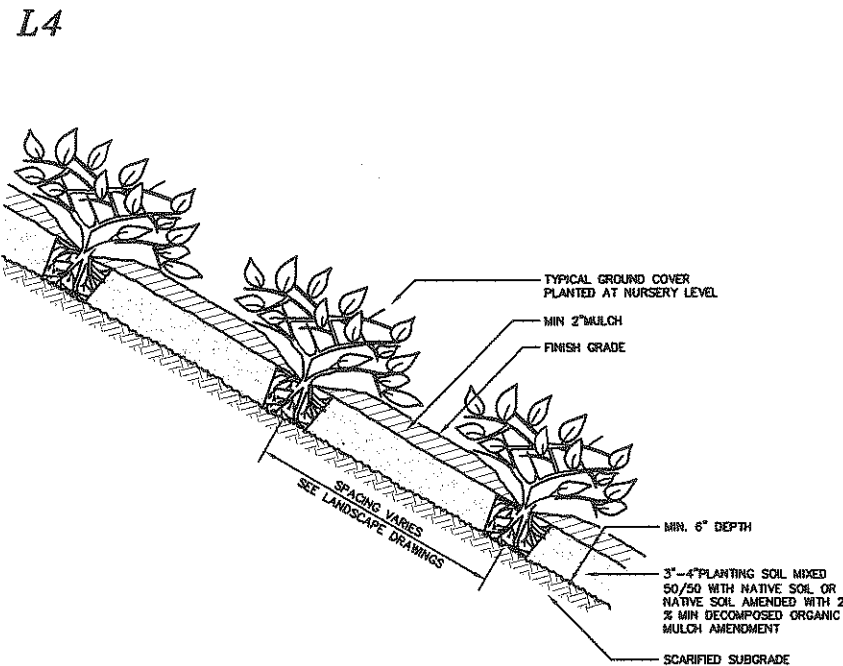


L1



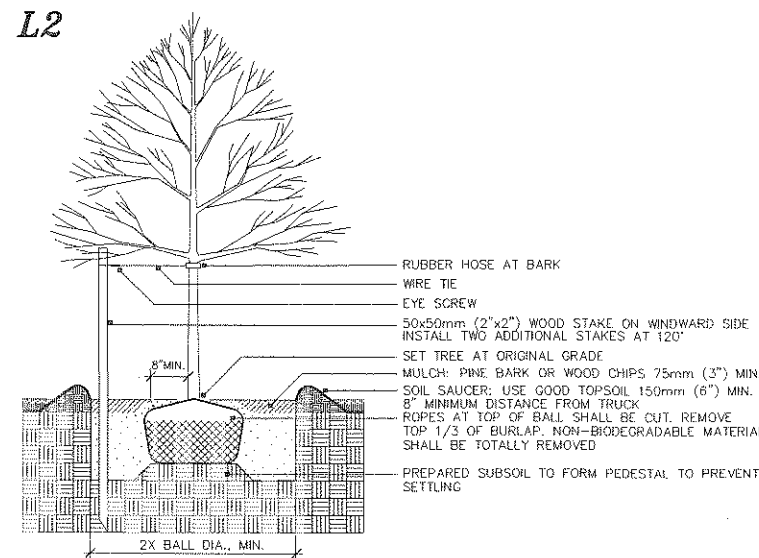
CONIFEROUS TREE PLANTING

L4



TYPICAL SLOPE GROUND COVER PLANTINGS

L2



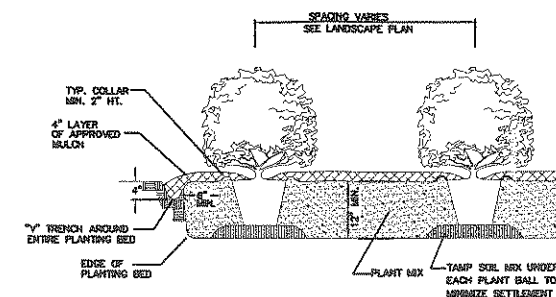
DECIDUOUS TREE PLANTING

NOTE: STAKING TO BE USED IN PARKING ISLANDS AND OTHER CONFINED AREAS AS NECESSARY TO AVOID CONFLICTS WITH PEDESTRIANS

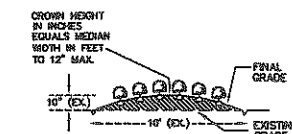
L3

NOTES:

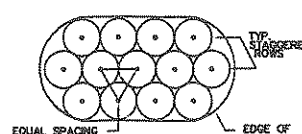
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINISHED GRADE
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.



TYPICAL PLANTING BED DETAIL



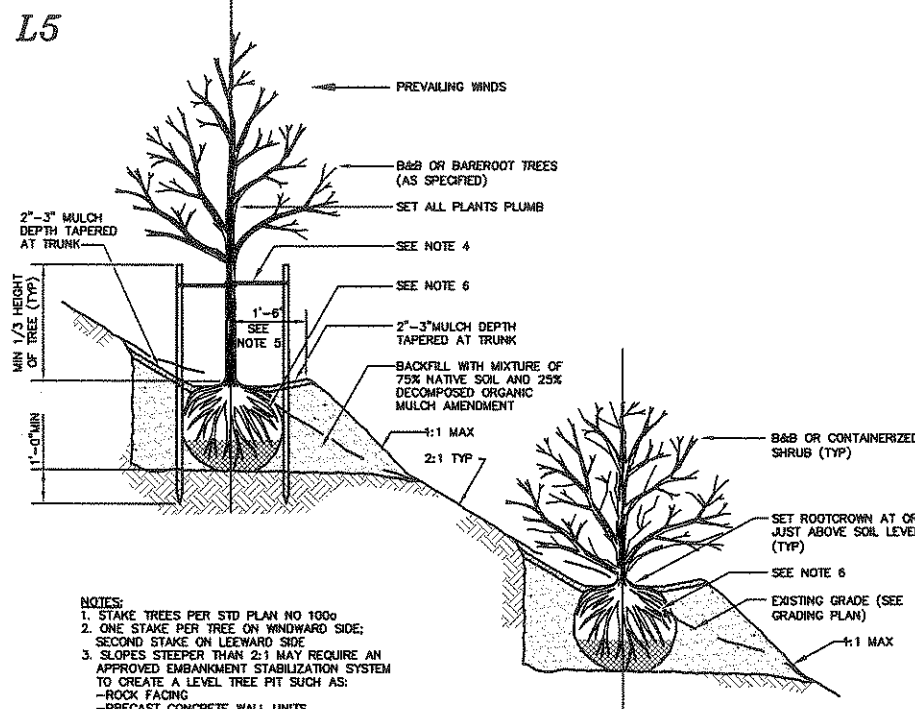
TYPICAL BED CROWNING



TYPICAL PLANTING BED PLAN

SHRUB & HEDGE PLANTING

L5

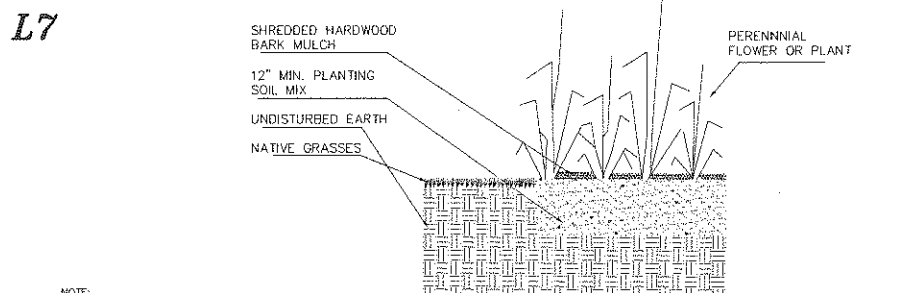


TREE PLANTING ON SLOPES

NOTES:

1. STAKE TREES PER STD PLAN NO 1000
2. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE
3. SLOPES STEEPER THAN 2:1 MAY REQUIRE AN APPROVED EMBANKMENT STABILIZATION SYSTEM TO CREATE A LEVEL TREE PIT SUCH AS:
-ROCK FACING
-PRECAST CONCRETE WALL UNITS
-TIMBER WALL
-MANUFACTURED SLOPE RETENTION UNITS
4. CHAINLOCK TREE TIE. LOOP EACH TIE AROUND TREE LOOSELY TO PROVIDE 1" SLACK FOR DIAMETER GROWTH.
5. SHAPE SOIL TO PROVIDE 3" DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
6. REMOVE ALL WIRE AND STRING. REMOVE TOP 2/3 OF BURLAP.

L7



PERENNIAL PLANTING DETAIL

NOTE: DEFER TO SPECIFIC NURSERY INSTRUCTIONS IF APPLICABLE.

REVISION	DATE	DESCRIPTION

PROPOSED SITE PLAN LAND OF ST. MICHAELS CHURCH TAX MAP 121, LOT 739 PINE STREET ROCHESTER, NH
--

BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 {332-2863}
SCALE : AS MARKED
DATE : JULY 20, 2011
FILE NO. : DB 2011-078

