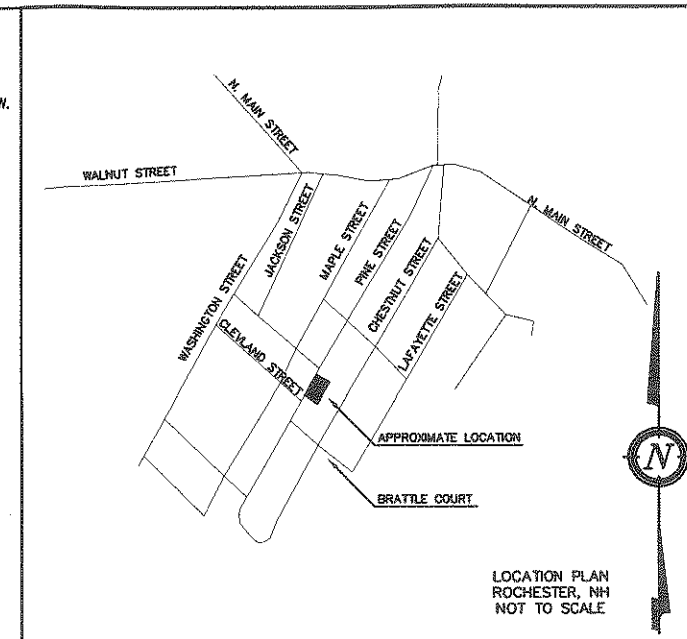
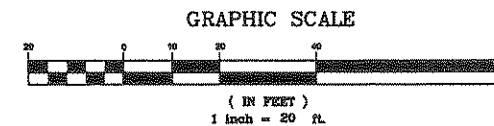


WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SUBDIVISION PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/ DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SUBDIVISION REGULATIONS, AS AMENDED OR AS 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  
AUG - 9 2011  
Planning Dept.

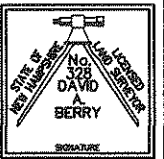
PLAN INTENT:  
THE INTENT OF THIS PLAN IS TO SHOW  
THE EXISTING CONDITIONS OF TAX MAP  
121, LOT 139.

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 L.L.S. 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

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, 201		
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.

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	LUMENS	LLF	WATTS
	A	3	WST 150M FT (PULSE START)	ARCHITECTURAL SCONCE 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	12900	0.81	185
					MOUNTED TO THE BUILDING AT 15'				

NOTES:

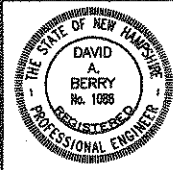
- 1.) OWNER: ST. MICHAELS CHURCH  
P.O. BOX 1623  
ROCHESTER, NH 03867
- 2.) TAX MAP 121, LOT 139
- 3.) LOT AREA: 14,877 SQ. FT, 0.34 AC.
- 4.) S.C.R.D. BOOK 3924, PAGE 58
- 5.) ZONING: R2  
TOTAL LOT AREA ~ 6,000SQFT.  
FRONTAGE ~ 60'  
FRONT YARD ~15'  
SIDE YARD ~ 8'  
REAR YARD ~ 25'
- 7.) PROPOSED OPEN SPACE ~ 12,577 Sq.Ft, 0.29 AC. 84.54%  
PROPOSED IMPERVIOUS COVER ~ 2,300 Sq.Ft., 0.05 AC, 48.50%
- 8.) 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)
- 9.) PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY  
PERFORMED BY BERRY SURVEYING & ENGINEERING JUNE 2011 WITH AN  
ERROR OF CLOSURE GREATER THEN 1 IN 10,000.
- 10.) STREET ADDRESSES FOR THE BUILDING WILL BE INSTALLED PRIOR  
TO THE CERTIFICATE OF OCCUPANCY

- 11.) THE PROPOSED USE IS A CHURCH
- 12.) THIS SITE IS SERVICED BY MUNICIPAL SEWER AND WATER
- 13.) THERE ARE NO REVISIONS PROPOSED TO THE ON-SITE UTILITIES.
- 14.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE TOWN AND STATE  
CODES.
- 15.) 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.
- 16.) ALL CONSTRUCTION SHALL CONFORM WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT  
OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- 17.) SWALE LINE IS TO BE LINED WITH SOD. ALL OTHERS TO BE LOAM AND SEED.
- 18.) ALL TEMPORARY LOAM STOCKPILES SHALL RECEIVE TEMPORARY EROSION CONTROL  
MEASURES.
- 19.) 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.
- 20.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 PRIOR  
TO ANY EXCAVATION.
- 21.) A SIGN PERMIT IS TO BE OBTAINED PRIOR TO ITS CONSTRUCTION.
- 22.) SEE SNOW STORAGE AREAS. EXCESS SNOW IS TO BE TRUCKED OFF-SITE AND DISPOSED  
OF PROPERLY.
- 23.) 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
- 24.) 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.
- 25.) ALL OFF-SITE IMPROVEMENTS REQUIRED FOR THIS PROPOSAL WILL BE COMPLETED PRIOR  
TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. (NONE REQUIRED)
- 26.) THIS PLAN PROPOSES 8,000 Sq.Ft., OF DISTURBANCE
- 27.) THIS PLAN IS DESIGNED TO ACCOMMODATE A SU SIZED VEHICLES
- 28.) A FIRE SUPPRESSION SYSTEM IS NOT INCORPORATED AS PART OF THESE PLANS.
- 29.) THERE IS OVER 400' FEET OF SIGHT DISTANCE IN BOTH THE NORTH AND SOUTH  
DIRECTIONS.
- 30.) 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.
- 31.) REFUSE WILL BE PLACED CURB SIDE IN THE PROVIDED TOAT
- 32.) PARKING ON PINE STREET IS DISCOURAGED DURING SUMMER MONTHS AND PROHIBITED  
DURING WINTER MONTHS.
- 33.) COMPACTION OF PARKING AREA WILL BE DONE WITH A VIBRATORY ROLLER ON A "LOW"  
SETTING SO AS NOT TO HARM SURROUNDING RESIDENTIAL STRUCTURES.
- 34.) IF DURING CONSTRUCTION DBRS IS DEPOSITED IN PINE STREET THE APPLICANT IS  
REQUIRED TO SWEEP AND CLEAN. INSPECTIONS SHOULD BE DONE EVERY AFTERNOON.
- 35.) 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	
REVISION	DATE

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

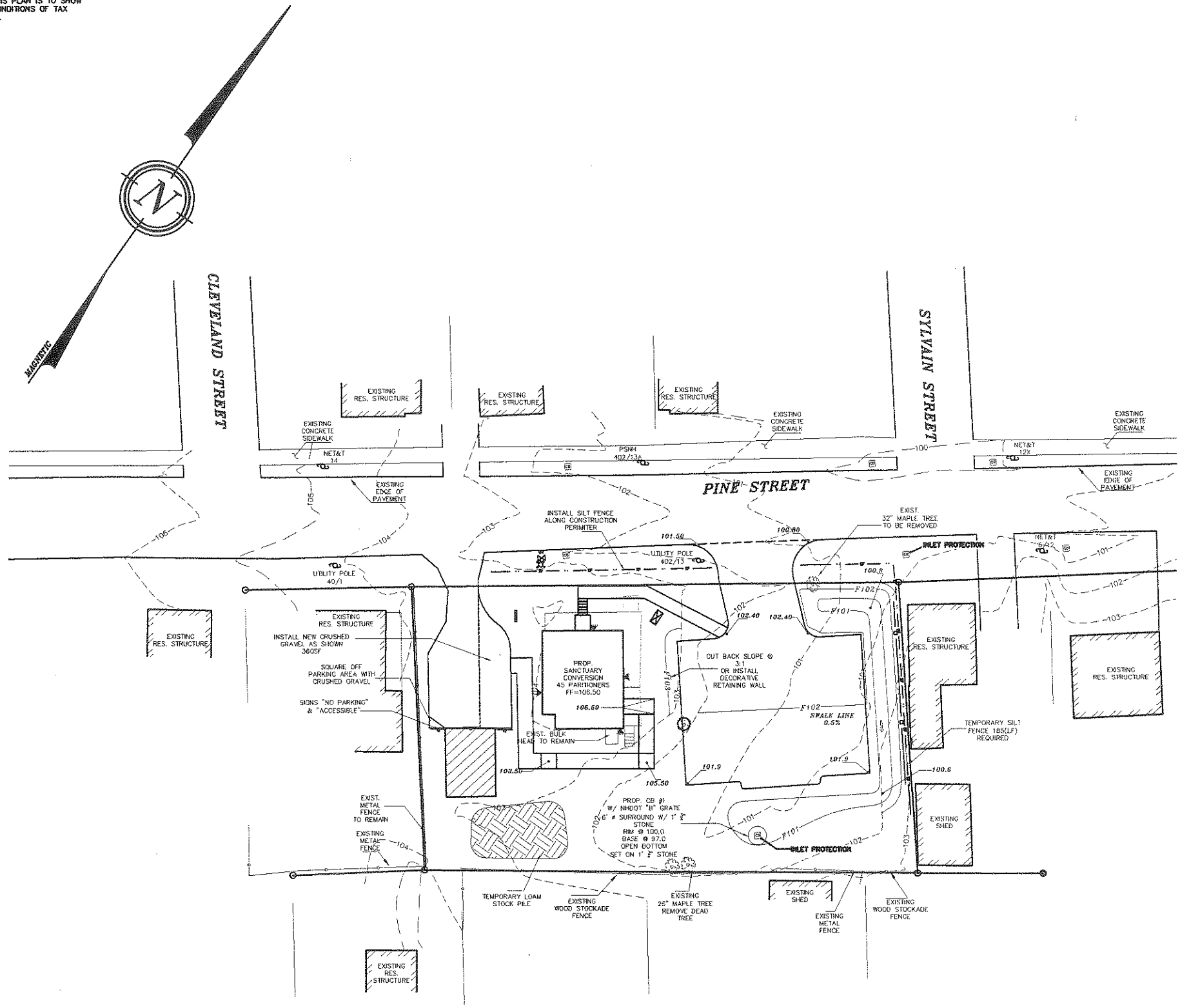
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, N.H. 332-2863  
SCALE : 1 IN. EQUALS 20 FT.  
DATE : JULY 20, 2011  
FILE NO. : DB 2011-078



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. 0332-2863

SCALE : 1 IN. EQUALS 20 FT.

DATE : JULY 20, 2011

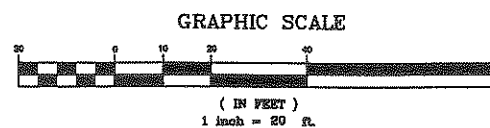
FILE NO. : DB 2011-078

THE STATE OF NEW HAMPSHIRE

DAVID A. BERRY

No. 1088

REGISTERED PROFESSIONAL ENGINEER



NOTES:

- 1.) ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 - NURSERY STOCK, LATEST EDITIONS (AMERICAN ASSOCIATION OF NURSERYMEN, 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.

NOTES:

- 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.

MAINTENANCE PLAN:

- 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.

FINAL APPROVAL  
BY  
ROCHESTER PLANNING BOARD  
CERTIFIED BY :  
DATE :

- TREES:**  
~ MALUS 'RED JEWEL' - RED JEWEL CRAB 2-2.5'C
- SHRUBS:**  
~ TAXUS MEDIA 'GREENWAVE' - GREENWAVE YEW 24-30"  
~ THUJA OCCIDENTALIS RHEINGOLD - GOLDEN GLOBE ARBORVITAE 18-24"

REVISION	DATE	DESCRIPTION

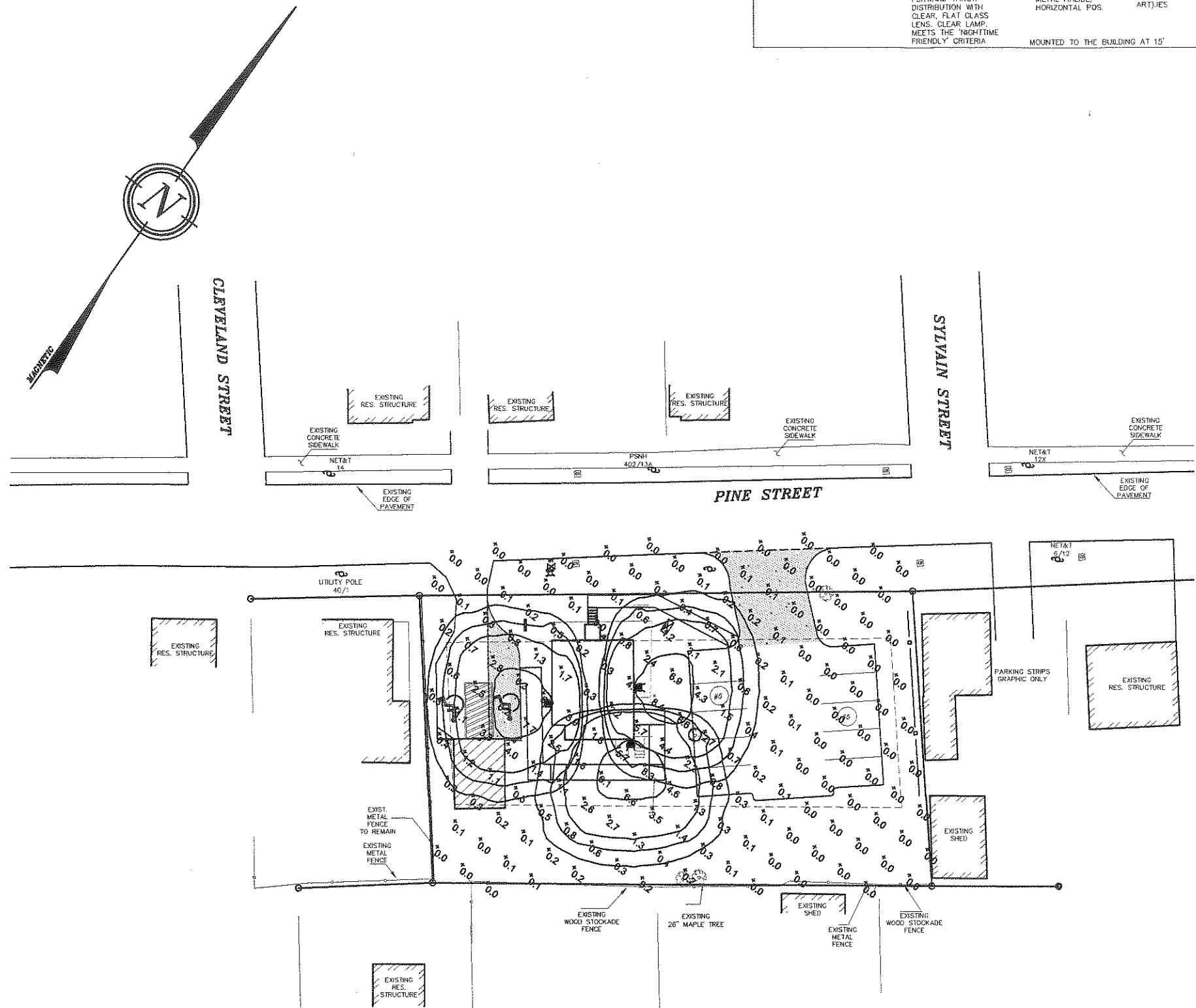
LANDSCAPING  
OF  
LAND OF  
ST. MICHAELS CHURCH  
TAX MAP 121, LOT 199  
PINE STREET  
ROCHESTER, NH

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

LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QTY	CATALOG NUMBER	DESCRIPTION	LAMP	FILE
□	A	3	WST 150M FT (PULSE START)	ARCHITECTURAL SCORCE 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.  MOUNTED TO THE BUILDING AT 15'	WST_150M_F T_(PULSE_ST ART).IES
						12900 0.81 185



REVISION	DATE	DESCRIPTION

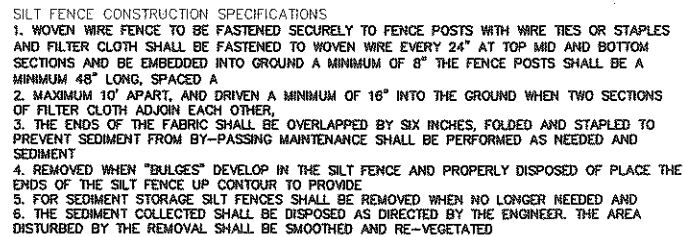
LIGHTING PLAN  
LAND OF  
ST. MICHAELS CHURCH  
TAX MAP 121, LOT 139  
PINE STREET  
ROCHESTER, NH

**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, N.H. 0332-2863

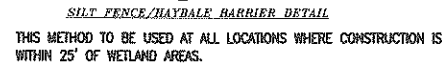
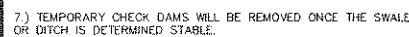
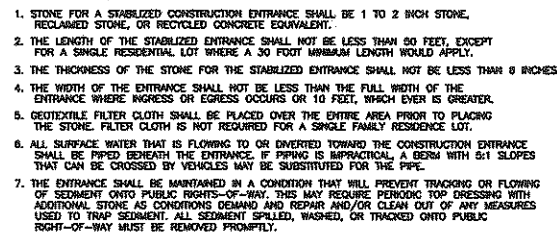
SCALE : 1 IN. EQUALS 20 FT.  
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THE STATE OF NEW HAMPSHIRE  
DAVID A. BERRY  
No. 1088  
REGISTERED PROFESSIONAL ENGINEER

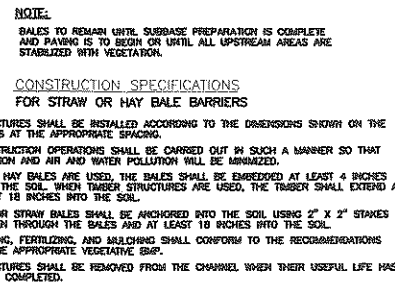
FINAL APPROVAL  
BY  
ROCHESTER PLANNING BOARD  
CERTIFIED BY : \_\_\_\_\_  
DATE : \_\_\_\_\_



## E5



## E6



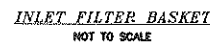
SEDIMENT CONTROL AT CATCH BASINS  
NOT TO SCALE



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

## E7



FILTER BASKET NOTES:

- 1.) INLET BASKETS SHALL BE USED ON ALL CATCH BASINS WITHIN THE PROJECT LIMITS DURING CONSTRUCTION. INLET FILTER BASKETS SHALL BE "METAL-ERA" OR APPROVED EQUAL.
- 2.) FILTER FABRIC SHALL BE PUSHED DOWN AND FORMED TO THE SHAPE OF THE BASKET. THE SHEET OF FABRIC SHALL BE HELD LONG ENOUGH TO BE SUPPORTED BY THE BASKET FRAME WHEN HOLDING SEDIMENT AND EXTEND AT LEAST 6 INCHES PAST THE FRAME. THE INLET GRATE SHALL BE PLACED OVER THE BASKET, FRAME AND WILL SERVE AS THE FABRIC ANCHOR.
- 3.) THE FILTER FABRIC SHALL BE A GEO-TEXTILE FABRIC: POLYESTER, POLYPROPYLENE, STABILIZED HDPE, HDPE, POLYETHYLENE OR POLYVINYLIDENE CHLORIDE MEETING THE FOLLOWING SPECIFICATIONS:
  - GRAB STRENGTH: 45 lb. MINIMUM IN ANY PRINCIPAL DIRECTION (ASTM D1682).
  - MULLEN BURST STRENGTH: MINIMUM 60 psi (ASTM D774).
- 4.) THE FABRIC SHALL HAVE AN OPENING NO GREATER THAN A NUMBER 20 U.S. STANDARD SIEVE AND MINIMUM PERMEABILITY OF 120 gpm/sq. ft.
- 5.) THE INLET BASKET SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING EXTENDED PERIODS OF PRECIPITATION. REPAIRS SHALL BE MADE IMMEDIATELY, AS NECESSARY, TO PREVENT PARTICLES FROM ENTERING THE DRAINAGE PIPING SYSTEM AND/OR CAUSING SURFACE FLOODING.
- 6.) INLET BASKETS SHALL BE MAINTAINED IN PLACE UNTIL ALL PAVING IS COMPLETED AND ALL UNPAVED AREAS HAVE BEEN STABILIZED WITH VEGETATION.

## E11

### WINTER STABILIZATION NOTES

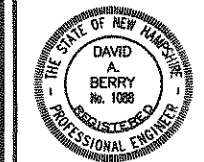
1. All disturbed areas that do not have at least 85% vegetative coverage prior to October 15th, shall be stabilized by applying mulch at a rate of 3-4 tons per acre. All side slopes, steeper than 4:1, that are not directed to swales or detention basins, shall be lined with biodegradable/photodegradable "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 subgrade. If these areas 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 applied to side slopes and swales. The disturbed areas 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.

## E8 TEMPORARY EROSION CONTROL MEASURES

1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER
3. ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.  
(SEE SEED SPECIFICATIONS THIS SHEET)
- 3a. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 60 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
4. SILT FENCES AND STRAW OR HAY BALES BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
5. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED
6. PER THE EPA REQUIREMENTS THERE WILL BE A LOG OF THE EROSION CONTROL INSPECTIONS EVERY 7-14 DAYS  
PLEASE FIND SWPPP PREPARED BY BS&E (AFTER LOCAL APPROVAL)
7. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
8. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.5" OR GREATER RAIN EVENT

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

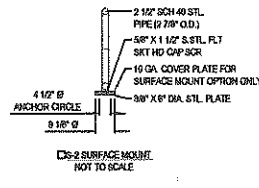
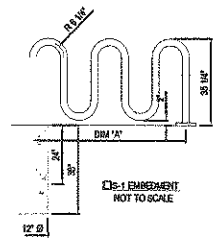
**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 {332-2863}  
SCALE : AS MARKED  
DATE : JULY 20, 2011  
DWG. NO. : DB 2011-078







DU MOR, INC.  
15 INDUSTRIAL CIRCLE, P.O. BOX 142  
MIDLANDTOWN, PA 17059-0142  
1-800-886-0016  
PHONE (717) 436-2106  
FAX (717) 436-9839  
www.dumor.com



MODEL NO.	PIKING	DIAM.
125-30	2	37 1/2" L.O.
125-40	3	52 1/2" L.O.
125-40	4	67 1/2" L.O.
125-50	5	112 1/2" L.O.

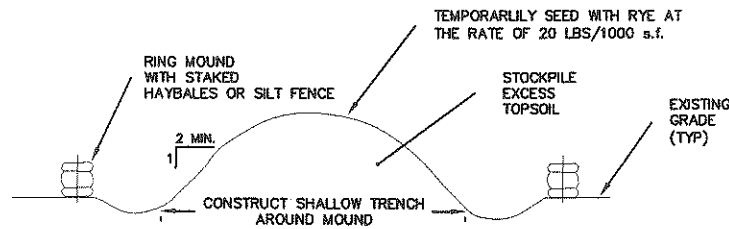
SELECT DESIRED FINISH OPTION  
COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING  
HOT DIPPED GALVANIZED

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 5 & 6.  
4. CONTRACTOR'S NOTE FOR PRODUCT AND PURCHASING INFORMATION VISIT: www.CPDistrib.com/du  
REFERENCE NUMBER 917-011.

### 125 SERIES BIKE RACKS

NOT TO SCALE

E15



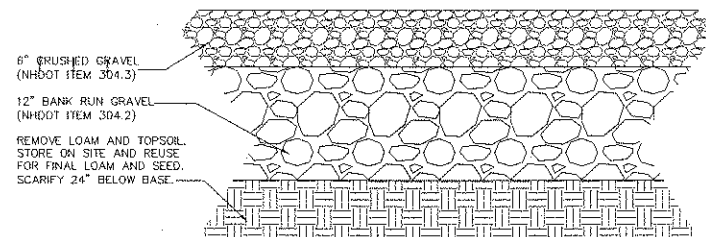
### TOPSOIL STOCKPILE MOUND

NOT TO SCALE

E18

#### DEFINITION OF STABLE:

- WHEN A SHOE COURSE GRAVEL HAS BEEN UNCOVERED IN AN AREA TO BE PAVED
- WHEN A MINIMUM OF 60
- WHEN A MINIMUM OF 3" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR SP-10P HAS BEEN DISCOVERED
- WHEN PROPER EROSION CONTROL, BLANKETS, SUCH AS COULEX & C309 OR OTHER DOT APPROVED MATING, HAS BEEN INSTALLED PROPERLY.



NOTES:

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

E19

### PARKING LOT SECTION

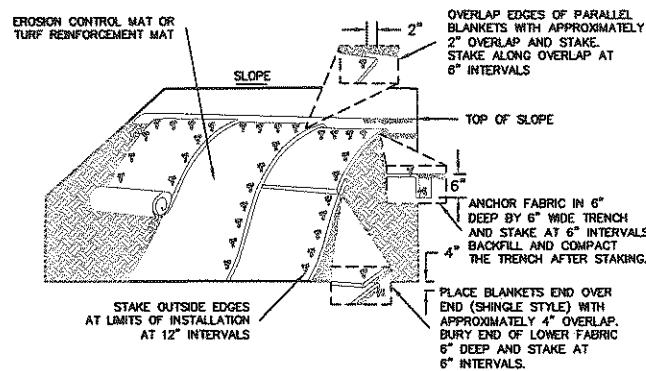
NOT TO SCALE

E16

- Grading and Shaping
    - Slopes shall not be steeper than 2:1; 3:1 slopes or flatter are preferred. Where mowing will be done, 3:1 slopes or flatter are recommended.
  - Seedbed Preparation
    - Surface and seepage water should be drained or diverted from the site to prevent drowning or winter killing of the plants.
    - Stones larger than 4 inches and trash should be removed because they interfere with seeding and future maintenance of the area. Where feasible, the soil should be tilled to a depth of about 4 inches to prepare a seedbed and 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.
  - Establishing a Stand
    - Lime and fertilizer should be applied prior to or at the time of seeding and incorporated into the soil. Limbs 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-1) this sheet for appropriate seed mixtures and Table(H-1) this sheet for rules of seeding. All legumes (crownvetch, birdfoot trefoil, and alfalfa) 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
  - Hay, straw, or other mulch, when needed, should be applied immediately after seeding.
  - Mulch will be held in place using appropriate techniques from the Best Management Practice for mulching. Hay or straw mulch shall be placed at a rate of 90lbs per 1000 s.f.
5. Maintenance to Establish a Stand
  - Planted area should be protected from damage by fire, grazing, traffic, and dense weed growth.
  - Fertilization needs should be determined by onsite inspections. Supplemental fertilizer is usually the key to fully complete the establishment of the stand because most perennial stake 2 to 3 years to become established.
  - In waterways, channels, or swales where uniform flow conditions are anticipated, occasional mowing may be necessary to control growth of woody vegetation.

### SEEDING SPECIFICATIONS

E20



NOTE: STAKING PATTERNS SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS. MINIMUM SPACING 3' - 0" O.C. ACROSS FABRIC.

### INSTALLATION OF EROSION CONTROL FABRICS

NOT TO SCALE

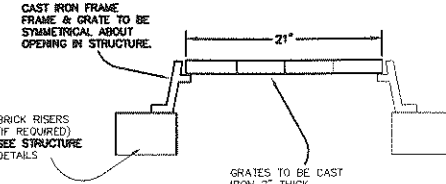
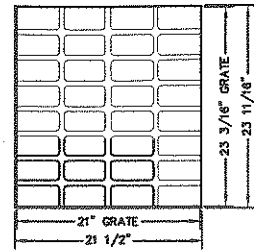
#### CONSTRUCTION SEQUENCE:

- CUT AND REMOVE TREES IN CONSTRUCTION AREAS AS DIRECTED OR REQUIRED.
- INSTALL SILT FENCE AND CONSTRUCT AND/OR INSTALL 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.
- CLEAR, GRUB, AND DISPOSE OF DEBRIS IN APPROVED FACILITIES.
- EXCAVATE AND STOCKPILE TOPSOIL / LOAM. ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- CONSTRUCT THE ROADWAY AND ITS ASSOCIATED DRAINAGE STRUCTURES.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEED AND MULCHED AS REQUIRED, OR DIRECTED.
- 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.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE. SMOOTH AND RE-VEGETATE ALL DISTURBED AREAS.
- ALL SWALES AND DRAINAGE STRUCTURES WILL BE CONSTRUCTED AND STABILIZED PRIOR TO HAVING RUN-OFF BEING DIRECTED TO THEM.
- FINISH GRAVELING ALL ROADWAYS/PARKING.

E22

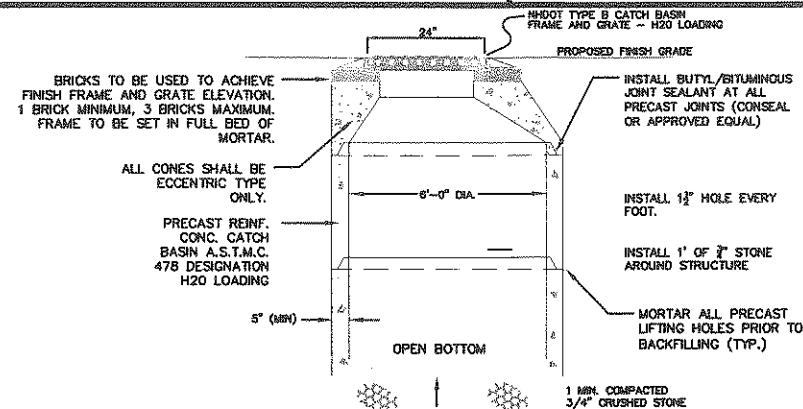
E-102

E13



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

E14



### CATCH BASIN DETAIL

NOT TO SCALE

E17

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  
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