

RIVERFIELD SCHOOL

ADDITIONS & ALTERATIONS FAIRFIELD, CT 06824 **1625 MILL PLAIN ROAD**

> STATE PROJECT NO. 051-0125 EA **PHASE I**

> > **JANUARY 1, 2014**

VOLUME I HAZARDOUS MATERIALS ABATEMENT, CIVIL ENGINEERING, & ARCHITECTURAL DRAWINGS

ARCHITECT'S PROJECT NUMBER:

2012.016

PROJECT TEAM

Architect:

Kenneth Boroson Architects, LLC

Contacts: Kenneth Boroson, Principal kboroson@kbarch.com George Katinger

gkatinger@kbarch.com Phone: (203) 624-06

(203) 562-1732

Code Consultant:

Christopher Laux, AIA Contact: Christopher Laux codequy@charter.net (203) 263-5787 (203) 263-5787

Commissioning Agent:

(860) 632-1768

Mechanical, Electrical,

& Plumbing Engineer:

Contact:

Phone:

Michael Waslsh

mwaslsh@cestct.com

vanZelm Engineers Contact: William Donald wdonald@vanzelm.com Phone: (860) 284-5064 Fax: (860) 284-5098 Structural Engineer:

Perrone & Zadja Engineers, LLC Consulting Engineering Services, Inc. Contact: Bruce Perrone

bp@perronezadjaengineers.com Phone: (860) 513-1156 (860) 513-1156 (860) 436-3362

FF & E Consultant:

Kenneth Boroson Architects, LLC Contacts: Kenneth Boroson, Principal kboroson@kbarch.com igould@kbarch.com (203) 624-0662 (203) 562-1732

Civil Engineer:

Martinez Couch & Associates, LLC Contact:
Richard E Couch P.E. recouch@martinezcouch.com

(860) 436-4364 (860) 436-4642

Food Service Consultant:

Mcfarland Kistler & Associates, Inc. kkistler-mka@comcast.net (412) 367-1905 (412) 367-4487

Environmental Consultant:

(860) 721-1900 (860) 721-1939

Geo-Technical Engineer:

Terracon Geotechnical

rwmclaren@terracon.com

Richard McLaren

EnviroMed Services, Inc. Contact: Lawrence Cannon Icannon@enviromedservices.com (203) 786-5580 (203) 238-4243

Acoustical Consultant:

Acentech, Inc. Contact: Rose Mary Su rsu@acentech.com (617) 499-8000 (617) 499-8074 Phone:

Security & Technology Engineering:

Consulting Engineering Services, Inc. Contact mwaslsh@cestct.com (860) 632-1682

(860) 632-1768

Building Inspector: Town of Fairfield Building

Department Contact: James Gilleran jgilleran@town.fairfield.ct.us Phone: (203) 256-3036

Landscape Architect:

Douglas S. Kycia Landscape Architect, LLC Contact: Douglas Kycia Dkla463@aol.com (203) 393-0772 (203) 393-0772

Fire Marshal:

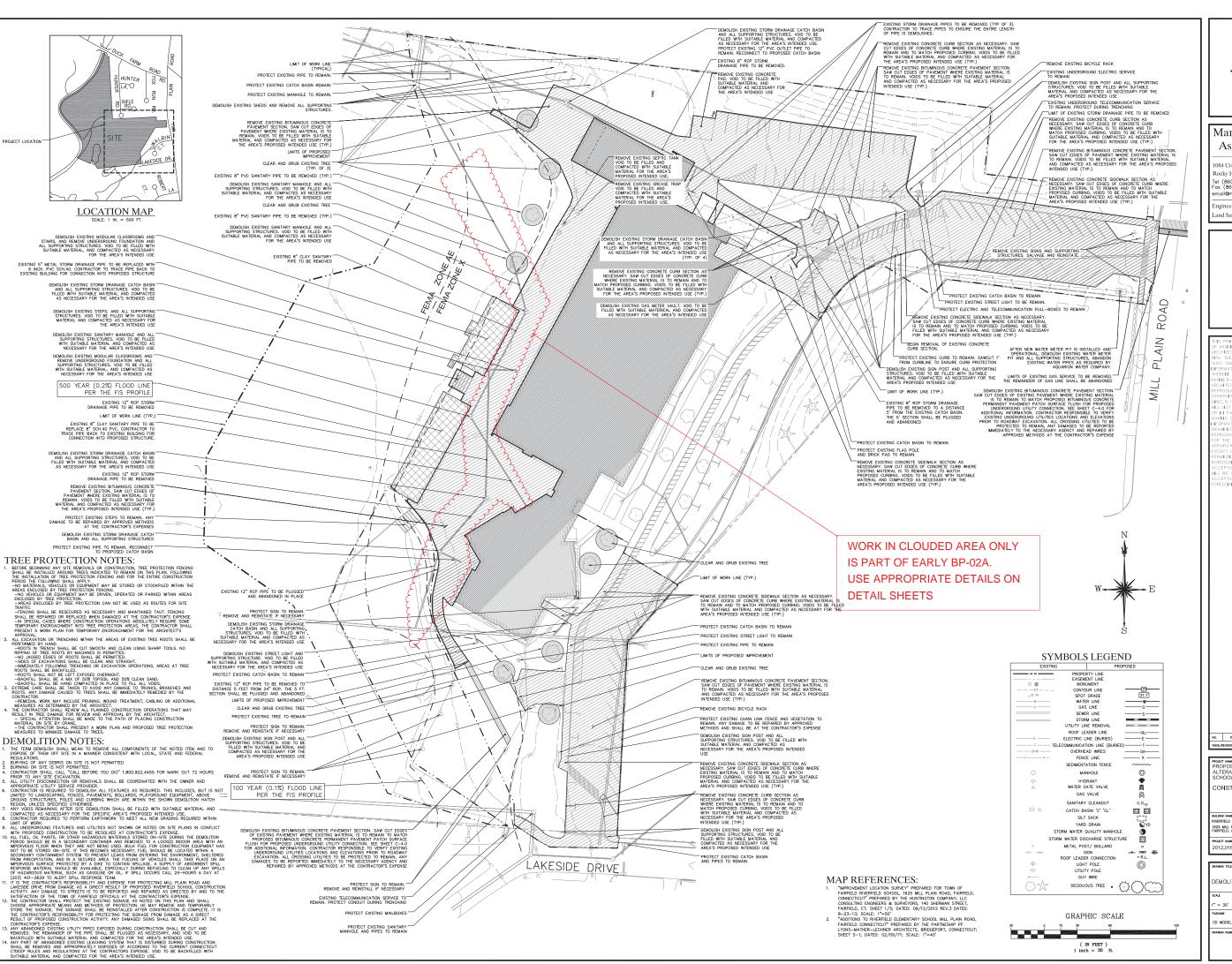
Town of Fairfield Office of the Fire Marshal Contact: Assistant Chief William Kessler wkessler@town.fairfield.ct.us Phone: (203) 254-4720 (203) 254-4724

Construction Manager:

Gilbane Building Company Contact: pmanning@gilbaneco.com Phone: (860) 368-5105 Fax: (860) 368-5101

Program Manager:

Strategic Building Solutions Contact: Mark Sklenka msklenka@go-sbs.com Phone: (860) 395-0055 Fax: (860) 550-5554



KENNETH Boroson ARCHITECTS

Martinez Couch & Associates, LLC

1084 Cromwell Avenue Rocky Hill, Connecticut 06067 Tel (860) 436-4364 Fax (860) 436-4626

Engineering - Environmental Land Surveying - Project Manag

ED, COMED ...

¿ DISPOSED OF,

OR HIDDRECTLY, AND
BE USED IN WHOLE
ART TO ASSIST IN
OR TO REFURILISH ANY
IATION FOR MAKING
HGS, PRINTS OR OTHER
JOUCHOUS THEREOF OR
THE MAKING OF
ARATUS OR PARTS THEREOF,
EPT UPON WRITTEN
AMISSION OF KEINETH
AMISSI

NO. DATE REVISION

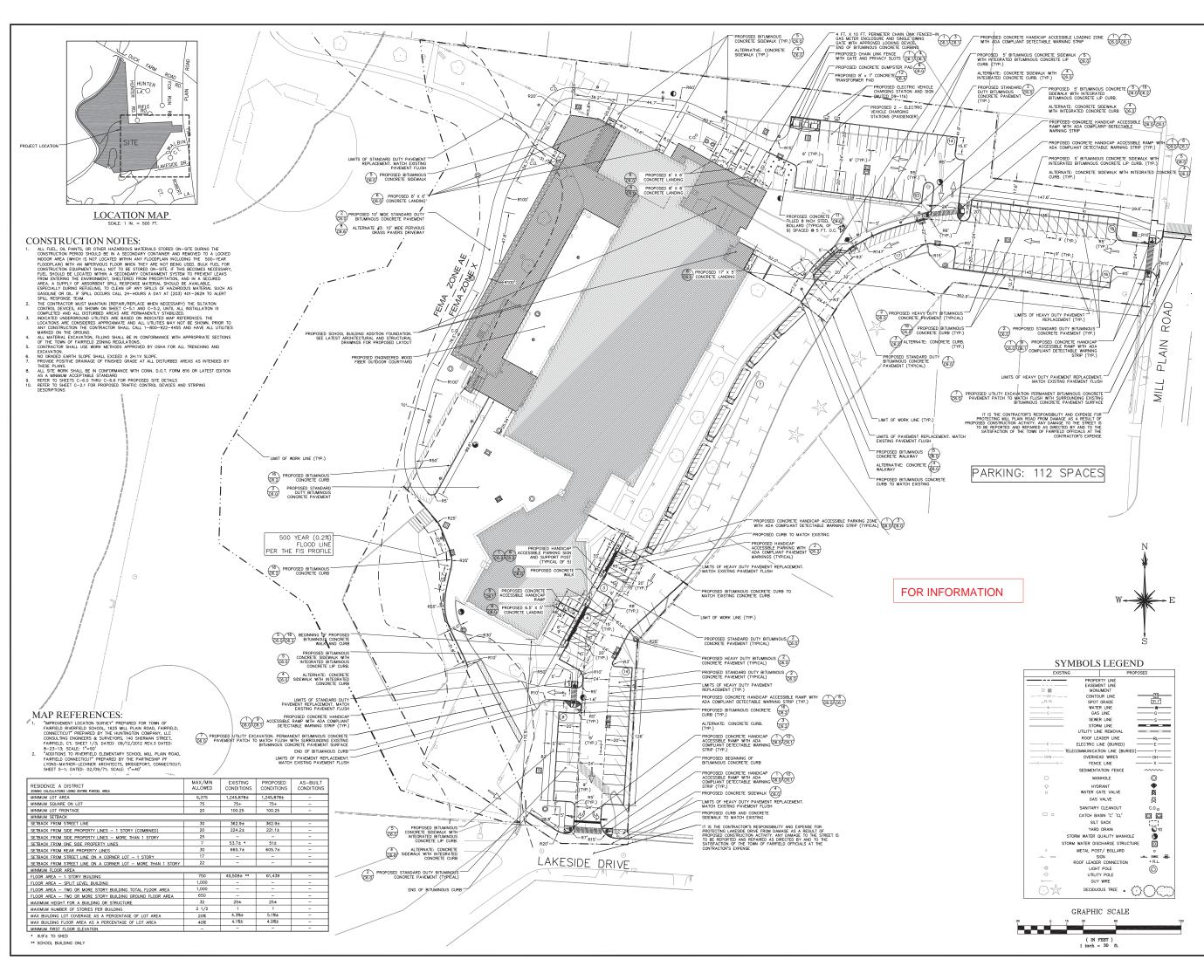
PROJECT NAME
PROPOSED ADDITIONS &
ALTERATIONS TO RIVERFIELD
SCHOOL CONSTRUCTION DOCUMENTS

BUILDING NAME & ADDRESS RIVERFIELD SCHOOL 1625 MILL PLAIN ROAD FAIRFIELD, CT 06824

PROJECT NUMBER 2012.016 STATE PROJECT NUMBER 051-0125 EA

DEMOLITION PLAN " = 30"

C1.0



KENNETH Boroson ARCHITECTS

Martinez Couch & Associates, LLC

1084 Cromwell Avenue Rocky Hill, Connecticut 06067 Tel (860) 436-4364 Fax (860) 436-4626

Engineering - Environmental Land Surveying - Project Manag

JCED, CUPIED ON JCED PROPERTY OF HOMECTLY, AND JT BE USED IN MHOLE PART TO ASSIST BY AND TO A PARTS THEREOF OF THE MAKING OF AREA TO A PARTS THEREOF AND AREA TO A PARTS THEREOF AND AREA TO A PARTS THE ASSIST BY A PAR

NO. DATE REVISION

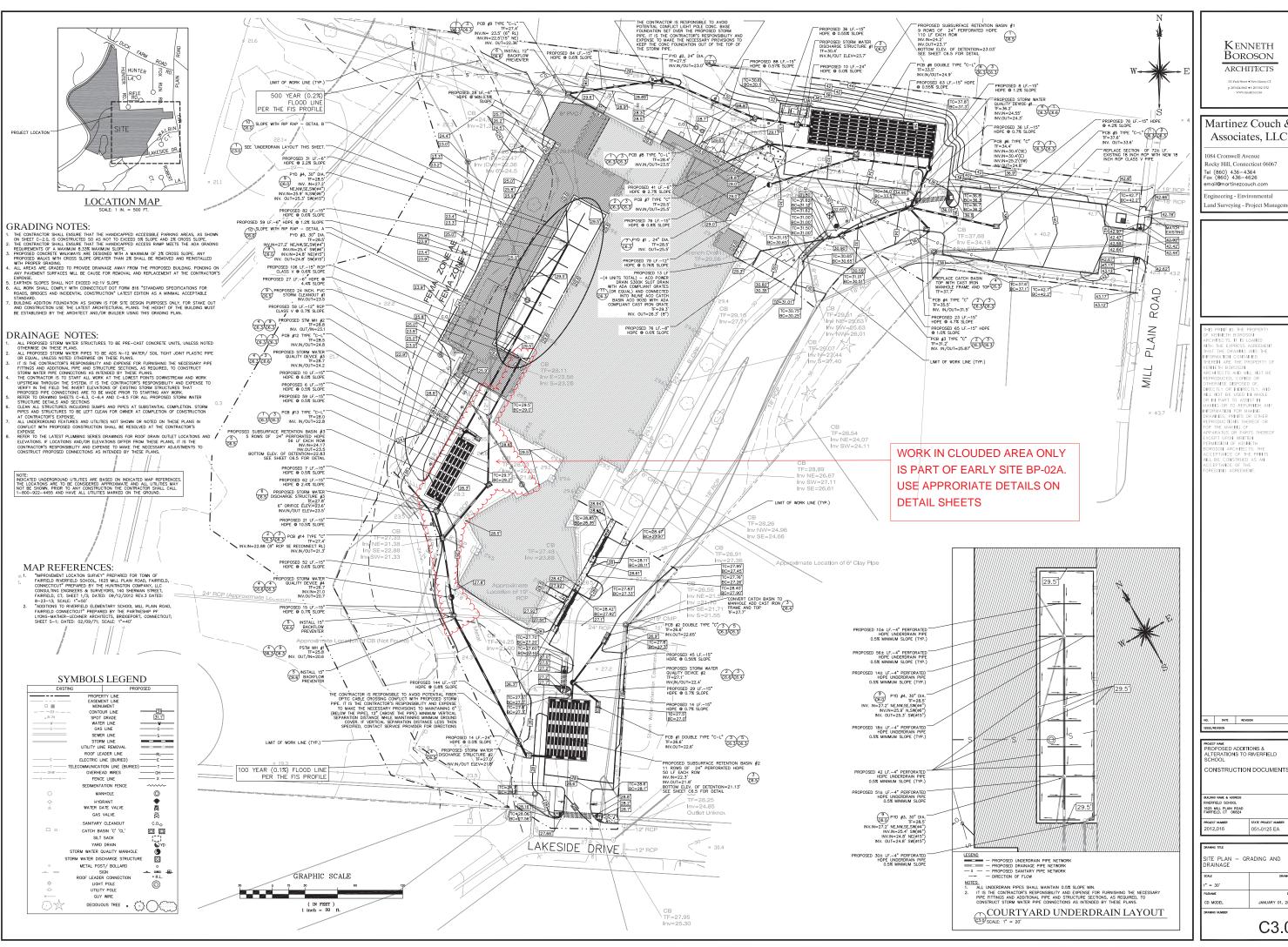
PROJECT NAME
PROPOSED ADDITIONS &
ALTERATIONS TO RIVERFIELD
SCHOOL CONSTRUCTION DOCUMENTS

BUILDING NAME & ADDRESS RIVERFIELD SCHOOL 1625 MILL PLAIN ROAD FAIRFIELD, CT 06824

PROJECT NUMBER 2012.016 STATE PROJECT NUMBER 051-0125 EA

SITE PLAN - LAYOUT CD MODEL

C2.0



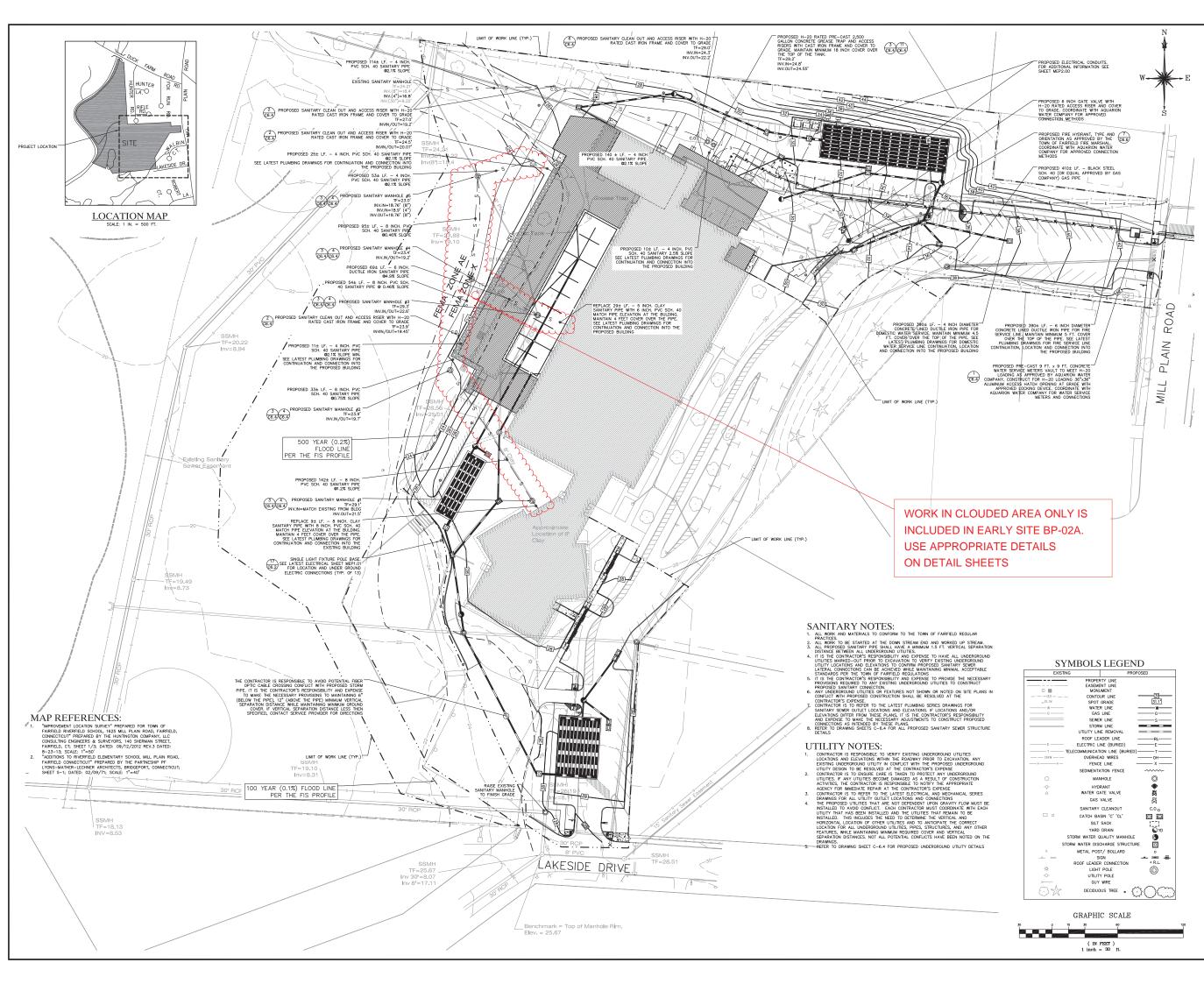
Kenneth Boroson ARCHITECTS

Martinez Couch &

PROJECT NAME
PROPOSED ADDITIONS &
ALTERATIONS TO RIVERFIELD
SCHOOL

SITE PLAN - GRADING AND DRAINAGE

C3.0





Martinez Couch & Associates, LLC

1084 Cromwell Avenue Rocky Hill, Connecticut 06067 Tel (860) 436–4364 Fax (860) 436–4626 email@martinezcouch.com

Engineering - Environmental Land Surveying - Project Manageme

S PRINT IS THE PROPERTY KENNETH BORDSON : HITECTS. IT IS LOANED : HITECTS. AND THE SPRAND OF A LOANED : HITECTS. AND WILL HOT BE PRODUCED, COPIED OR HERMES DEPOSED OR, ECILY OR INDIRECTLY, AND LINDT BE USED IN WHOLE IN PART TO ASSIST IN KING OR TO REPORTED HIM HOLE IN PART TO ASSIST IN KING OR TO REPORTED HAVE OF A LOANED IN THE PRODUCTIONS THE PRODUCTIONS THE PRODUCTIONS THE PROPOUL CHOISE THE PRODUCTIONS THE PROPORTED HAVE THE PR

NO. DATE REVISION

PROJECT INJUST PROPOSED ADDITIONS & ALTERATIONS TO RIVERFIELD SCHOOL

CONSTRUCTION DOCUMENTS

BUILDING NAME & ADDRESS RIVERPIELD SCHOOL 1625 MILL PLAIN ROAD FAIRFIELD, CT 06824

1625 MILL PLAIN ROAD FAIRFIELD, CT 06824

PROJECT NUMBER
2012,016

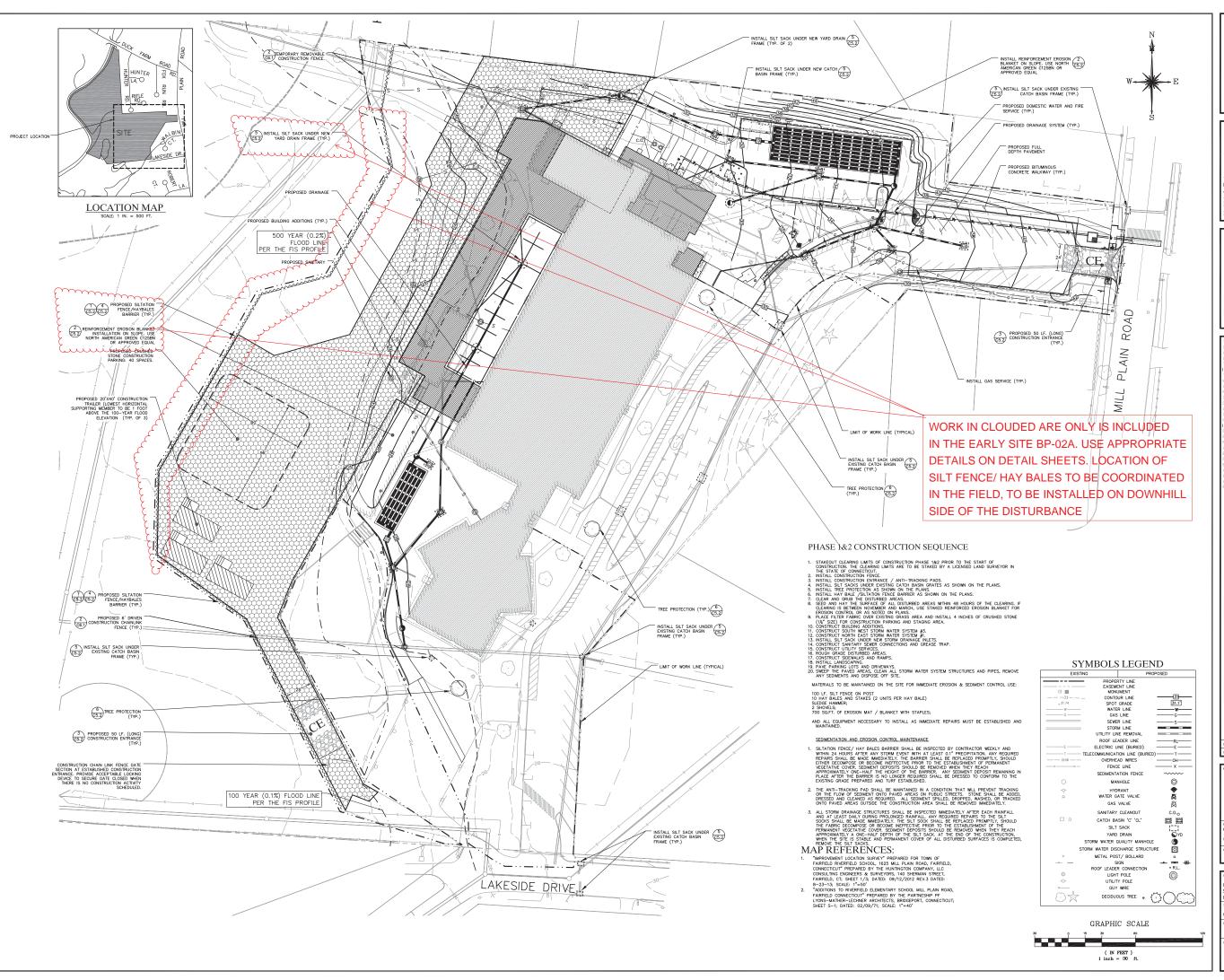
STATE PROJECT NUMBER
051-0125 EA

SITE PLAN - UTILITIES

SOLE ON

CD MODEL

C4.0



KENNETH Boroson ARCHITECTS

Martinez Couch & Associates, LLC

1084 Cromwell Avenue Rocky Hill, Connecticut 06067 Tel (860) 436-4364 Fax (860) 436-4626

Engineering - Environmental Land Surveying - Project Mana

OIL CONTAPIEU

ARE THE PROPERTY OF
BOROSON

2TS AMD WILL HOT BE
JCED, COPED OR

ISE OIL POSSED OF,

3 OF HURRED, MAID

3 OF HURRED, MAID

3 OF HURRED, MAID

4 OS TO RECURRISH AIN

GOR TO RECURRISH AIN

MATCH, FOR MAKING

MICS, PRINTS OR OTHER

HOULD GOLD THE PRINTS

HE TO HUR MARING

HE COST HE PRINTS

LL BE CONTRIBUTED AS AII

CCEPTANCE OF THE

OREOGNIA AGREEMENT.

NO. DATE REVISION

PROJECT NAME
PROPOSED ADDITIONS &
ALTERATIONS TO RIVERFIELD
SCHOOL CONSTRUCTION DOCUMENTS

BUILDING NAME & ADDRESS RIVERFIELD SCHOOL 1625 MILL PLAIN ROAD FAIRFIELD, CT 06824 PROJECT NUMBER 2012.016 STATE PROJECT NUMBER 051-0125 EA

CONSTRUCTION PHASING AND SEDIMENTATION AND EROSION CONTROL PLAN - PHASE 1&2 SCALE DIRAWN 1 1" = 30" CD MODEL

C5.0

GENERAL SOIL EROSION AND SEDIMENT CONTROL

- (A) THE SOIL EROSION AND SEDIMENT CONTROL CONTACT PERSON: THE GENERAL CONTRACTOR
 HAS THE RESPONSIBILITY FOR IMPLEMENTING THE SOIL EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY
- HAS THE RESPONSIBILITY FOR THE CENTER OF THE REQUIRED CONTROL MEASURES.

 HE FORMING ALL PARTIES ENCAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE SOLE REGISION AND SERMONT CONTROL OF THIS RESPONSIBILITY CONVEYING A COPY OF THE SOLE REGISION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

- (C) ALL ENTRANCES TO THE PROJECT SITE ARE TO BE PROTECTED BY STONE TRACKING PADS OF ASTM C-33, SIZE NO. 2 OR 3, OR CT. DOT 2" CRUSHED GRAVEL THE STONE TRACKING PAD IS TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- (D) LAND DISTURBANCE WILL BE KEPT TO A MINIMUM AND RESTABILIZATIONS WILL BE SCHEDULED AS SOON AS PRACTICAL.
- (E) ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL INCLUDING THE LATEST DATE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
-) ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL DEBUED NECESSARY BY TOWN STAFF DURING CON-STRUCTION, SHALL BE INSTALLED BY THE OFFICER. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABLUZED TO THE SATISFACTION OF THE TOWN STAFF.
- (H) SILTATION FENCE/ HAY BALE BARRIER SHALL BE PLACED AS INDICATED BEFORE A STAGING AREA HAS BEEN CREATED, SEDIMENT DEPOSITS SHOULD BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF THE BARRIER. THIS MATERIAL IS TO BE SPREAD AND STABLUZED IN AREAS NOT SUBJECT TO EROSION, OR TO BE USED IN AREAS WHICH ARE NOT TO BE PAYED OR BULLT ON. THE BARRIER ARE TO BE REPLACED AS INCESSARY TO PROVIDE PROPER FILETERIN ACTION, STATION FENCE/TAY BALE BARRIER IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE HE EROSION OFFICIAL SERVICES AND VECETION HAS SEEN TESTBULISHED.
- (I) TIESCUL IS TO BE STIPPED AND STOCKHLED IN AMPUNITS INCEESSARY TO COUNSETE TIMESED GRADNE OF ALL EMPORED AMPLES REQUIRED TOFFOR. THE STOCKHLED FORCE IS TO BE LOCKED AS NOTHED ON THE PLANS, IF THE STOCKHLE IS TO REMAIN FOR MORE THAN 30 DAYS, THE STOCKPILE SHALL BE TEMPORABLY SEEDED AND RINGED WITH A SILITATION FENCE TO PREVENT RESOURCE.
- (J) PIPE DISCHARGE AREAS (TEMPORARY & PERMANENT) WILL BE PROTECTED WITH RIP RAP SPLASH PADS, ENERGY DISSIPATERS WILL BE PROVIDED AS NECESSARY.
- (K) PIPE INLETS WILL BE PROTECTED WITH HAY BALE FILTERS OR SILTATION FENCES THROUGHOUT CONSTRUCTION
- (L) THERE IS TO BE NO STOCKPILING OF SOIL WITHIN A TEN FOOT LIMIT OF ADJOINING PROPERTIES.

 ANY AND ALL FILL MATERIAL. IS TO BE FREE OF BRUSH, RUBBISH, TIMBER, LOSS, VECETATIVE MATTER

 AND STAMPS IN AMOUNTS THAT WILL BE DETRIMENTAL TO CONSTRUCTING STABLE FILLS. MAXIMUM

 SIDE SLOPES OF EXPOSED SURFACES OF EARTH TO BE 2:1 OR AS OTHERWISE SPECIFIED BY LOCAL

 AUTHORITIES.
- (M) ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SUPPING, EROSION OR EXCESS SATURATION.
- (N) TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER OR DAD ONLY OR SECOND.

TEMPORARY VEGETATIVE COVER (TV):

TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL SOILS EXPOSED FOR PERIODS OF UP TO 12 MONTHS. 1. SITE PREPARATION:

- (A) GRADE AREA AS NEEDED AND FEASIBLE TO PERMIT THE USE OF EQUIPH FOR SEEDIED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANN-CHORING, ALL GRADINS SHOULD BE DOKE IN ACCORDANCE WITH THE MEASURE FOR LAND GRADING (SEE LATEST REVISION OF STATE OF CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL).
- (B) INSTALL NEEDED EROSION CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SEDIMENT BASINS AND GRASSED WATERWAYS.
- 2. SEEDBED PREPARATION
- (A) APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CT SOIL TESTING. COOPERATIVE EXTENSION SERVICE OFFICE IS SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMMS IS CRITICAL, FERTILIZER MAY BE APPLED AT THE RATE OF 300 LBS. PER ACRE OR 7.5 LBS FER 1.000 SOLT: OF 10-10-10 OF EQUIVALENT, APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CACIOM PLUS MARGESHIM ORDE) AS FOLLOWS:

SOIL TEXTURE TONS/ACRE LBS/1,000 SQ.FT. CLAY, CLAY LOAM AND HIGH ORGANIC SOIL 3 135 SANDY LOAM, LOAM, SILT LOAM 2 90 LOAMY SAND. SAND 1 1 45

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE. (B) WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER LIME AND SEED.

- (C) APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER), HYDROSEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED JOTS WHEN HYDROSEEDING.
- 3. MULCHING
- (A) SEE GUIDELINES IN TEMPORARY MULCHING

PERMANENT VEGETATIVE COVER (PV):

PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL EXPOSED SOILS WHERE PERENNIAL VEGETATION IS NEEDED FOR LONG TERM PROTECTION.

- 1. SITE PREPARATION:
- (A) GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCIU APPLICATION AND ACCORDANCE WITH THE MEASURE FOR LAND GRADNO (AS SPECTED IN THE LATEST REVISION OF THE STATE OF CT QUIDELINES FOR SOIL EROSION AND SEDIMENT CONTINOL).
- 2. SEEDBED PREPARATION
- (A) APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTION TO SUESTIMO LABORATORY SOIL SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE STEES, OR WHERE THING IS OFFINICAL, FERTILIZES MAY BE APPLIED AT RATE OF EQUIVALENT. IN ADDITION, SOU ISS. OF 38-0-0 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED FOR TOPPORESSING. APPLY OROUND LIMESTONE COUVALENT TO SOX ALLCUM PLUS MAGRESHUM ONDS.

CLAY, CLAY LOAM AND HIGH ORGANIC SOIL 4 180 SANDY LOAM, LOAM, SILT LOAM 3 135 LOAMY SAND, SAND 2 90

- LOAMY SAND, SAND

 REFER TO COUNTY SOL. SURVEY REPORT FOR SOL. IEXTURES AT THE SITE.

 (B) WORK LIME AND FERTILIZER INTO THE SOLL AS INCARLY AS PRACTICAL TO A

 DEPTH OF 4 MICHES WITH A DISC, SPRIME TOOTH HARROW OR OTHER SUITABLE

 EQUIPMENT. THE FINAL HARROWING OR DISCING OFFERTION SHOULD BE ON

 THE CENERAL CONTOUR. CONTINUE TILLACE UNITA A REASONABLE UNIFORM, FII

 SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOLS AND COARSE SANDS

 SHOULD BE ROLLED TO REM HE SEEDBED WHEREVER FEASIBLE.

3. SEEDING DATES

(A) SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIKES WITH LEGIMES IS RECOMMENDED, HOWEVER LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER IT CAN BE MADE. WHEN CROWN VETCH IS SEEDED IN LATE SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARPIED). THE RECOMMENDED SEEDING APRIL 15 THROUGH JUNE 15 AUGUST 15 THROUGH SEPTEMBER 1

- (A) SELECT A MIXTURE FROM THE SEEDING SCHEDULE OR USE MIXTUR RECOMMENDED BY THE SOIL CONSERVATION SERVICE. INOCULATE ALL LEGUME SEED WITH THE CORRECT TYPE AND AMOUNT OF INOCULANT.
- (B) APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEDER (SLURRY INCLUDING SEED OR FERTILIZER). NORMAL SEEDING DETH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE.
- (C) WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
- FROST CRACK SEEDING CAN BE USED, FROST CRACK SEEDING MUST BE DONE IN LATE WINTER OR EARLY SPRING, SUITABLE WEATHER CONDITIONS ARE FREEZING, NIGHTS AND THAWNO DAYS WITH LITTLE OR NO SNOW COVER, SEEDING RATES MUST BE INCREASED ID PERCENT WHEN USING THIS METHOD.
- 10 PERCENT WHEN USING THIS METHOD.

 (F) HYDRAULD, APPLICATING (HYDROSESDING), IS A SUTUREL METHOD

 (F) RUSE ON CRITICAL AREAS, WHEN HYDROSESDING, A SECRIBED IS

 PREPARED IN THE CONNECTIONAL MAY OR BY HAND RANKING IT

 LOSSEN AND SMOOTH THE SOIL AND TO REMOVE SUPFACE STONES

 LARGER THAN 2 IN OTHE SID LAND TO REMOVE SUPFACE STONES

 LARGER THAN 2 IN OTHE SID LAND TO REMOVE SUPFACE STONES

 LARGER THAN 2 IN OTHE SID LAND TO REMOVE SUBSTIE BY

 SECRETARY AND SECRIFICATION OF THE STONES

 SMULTANEOUSLY WITH THE SEED. THE USE OF THEM MUCH ON

 CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO

 HOLD STRAN OR HAY). FIRE MUCH DOES NOT PROVIDE AREQUIATE

 SEEDBED PROTECTION. SETTER PROTECTION IS GAMED BY USING

 SOO POUNDS FERA AREA OF MOOD FIREM MUCH, SEEDING RATES

 MUST BE INCREASED TO PERCENT WHEN HYDROSEEDING.
- (F) APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING MEASURE.
- 5. MAINTENANCE (A) LIME ACCORDING TO A SOIL TEST OR AT A MINIMUM OF EVERY FIVE YEARS USING A RATE OF TWO TONS PER ACRE (100 POUNDS PER 1,000 SQUARE FEET).
- (C) WHERE LEGUMES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST EVERY THREE YEARS 300 POUNDS OF 0-20-20 OR EQUIVALENT PER ACRE (7.5 POUNDS PER 1,000 SOUARE FEET). SILT FENCES INSTALLATION REQUIREMENTS

1. SHEET FLOW APPLICATIONS ONLY

- (A) SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS OF THE GUIDELINES.
- (B) THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES. IDEALLY THE BARRIER SHOULD BE PLACED 10 FEET AWAY FROM TOE OF SLOPE.
- (C) WHEN JOINTS ARE NECESSARY, THE FILTER CLOTH SHALL BE SPLICED TOGETHER AND SECURELY SEALED AT A SUPPORT POST OR OVERLAPPED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
- (E) A TRENCH APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP SHALL BE EXCAVATED ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
- (F) THE TOE IN FABRIC FLAP SHALL BE EXTENDED INTO THE TRENCH. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
- (G) FILTER BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED
- (H) THE FABRIC SHALL BE PREASSEMBLED WITH HARDWOOD POSTS OR WITH POCKETS FOR USE WITH WOOD OR METAL POSTS. THE FABRIC SHALL BE ATTACHED TO THE POSTS ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

2. MAINTENANCE

- (A) FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- (B) THE BARRIER SHALL BE REPLACED PROMPTLY, SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- (C) SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER.
- (D) ANY SEDIMENT DEPOSIT REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE PREPARED AND SEEDED.

TEMPORARY MULCHING (MU):

DEFINITION
APPLICATION OF PLANT RESIDUES OR OTHER SUITABLE MATERIALS TO THE SOIL
SUBFACE

1. INSTALLATION REQUIREMENTS

- (A) AREAS WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED SHALL BE MULCHED MANEDIATELY FOLLOWING SEEDING, MULCH ANCHORING WILL BE USED ON SLOPES GREATER THAN 3 PERCENT AND CONCENTRATED FLOW AREAS SUCH AS DIVIDING THE SEEDEM WITHIN THE SEEDING DATES SHOULD BE MULCHED TO PROMDE TEMPORARY PROTECTION TO THE SOLL SUPEACE. AN ORGANIC MULCH OTHER THAN WOOD FREER ALONE SHALL BE USED, AND THE AREA SHALL BE SEEDED AS SOON AS SEEDING DATES PERMIT. MULCH SHALL BE USED AS SOON AS SEEDING DATES PERMIT.
- 1. ORGANIC MULCHES
- (A) ORGANIC MUCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED IN THE STATE OF CT "GUIDELINES FOR SOLL RESOON & SEDIMENT CONTROL". STRAW OR HAY MULCH MUST BE ANCHORED IMMEDIATELY AFTER SPREADING TO PREVENT MINORED, UNIV. OTHER ORGANIC MULCHES DO NOT REQUIRE ANCHORION. THE FOLLOWING METHODS OF ANCHORION STRAW OR HAY MAY BE USED.
- (B) MULCH ANDORRING TOOL.
 HIS IS A TRACTOR-DRAWN IMPLEMENT DESIGNED TO PUNCH HIS IS A TRACTOR-DRAWN IMPLEMENT DESIGNED TO PUNCH MULCH HINT THE SOIL SURFACE. THIS METHOD PROVIDES MAXIMUM EROSION CONTROL WITH STRAW. IT IS LIMITED TO USE ON SLOPES NO STEEPER THAN 3 TO 1 34 HORIZONTALY TO 1 VERTICALLY), WHERE EQUIPMENT CAN OPERATE SAFLY. MACHINERY SHALL BE OPERATED ON THE CONTOUR.
- (C) TRACKING
 APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN
 SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL
 TO CONTOUR,

(D) LIQUID MULCH BINDERS
APPLICATION OF TOURID MILCOT BINDERS AND TACKFERS
APPLICATION OF TOURID MILCOT BINDERS AND TACKFERS
AND BANKS TO PREVENT WINDEQ WING. THE
REMANDER OF THE AREA SHOULD HAVE BINDER APPLIED
UNFORMLY, BINDERS MAY BE APPLIED ATTER MULCH IS
SPREAD OR MAY BE SPRAYED INTO THE MULCH AS IT IS
SPREAD OR MAY BE SPRAYED INTO THE MULCH AS IT IS
TOGETHER IS THE MOST EFFECTIVE METHOD ARM AND BINDER
TOGETHER IS THE MOST EFFECTIVE METHOD THE
THE FOLLOWING TYPES OF BINDERS MAY BE USED:

SYNTHETIC BINDERS
CHEMICAL BINDERS SUCH AS PETROSET, TERRATACK,
HYDRO MULCH AND AEROSPRAY MAY BE USED AS
RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH.
THEY ARE USEFUL IN RESIDENTIAL AREAS WHERE
ASPHALT MAY BE A PROBLEM.

(E) MULCH NETTINGS INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(F) PCG AND TWINE

PRIVE A-INJAH TO 6-INCH WOODEN PEGS TO WITHIN 3 INCHES OF
THE SOIL SURFACE EVERY 3 FEET IN ALL DIRECTIONS. STAKES MAY BE
DRIVEN BEFORE OR AFTER STRAW IS SPEAD, SEQUER MILLIOH
STRETCHING TIME BETWEEN PEGS IN A CRISS-CROSS-WITHIN-A-SQUARE
PATTERN. TURN THINE Z OR MORE TIMES AROUND EACH PEGS.

2. CHEMICAL MULCHES

(A) CHEMICAL MULCHES MAY BE USED ALONE IN THE FOLLOWING STIUNTIONS: FROM MAY IT OLINE IS AND SPITEMER IS TO OCCOPER IS PROVIDED THAT THEY ARE USED ON AREAS WITH SLOPES NO STEEPER THAN 4 TO 1 (4 HORIZOTIALLY TO I VERTICALLY), WHICH HAVE BEEN ROUGHEND. IF EROSION STILL OCCURS, ANOTHER MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY.

NOTE: CHEMICAL MULCHES MAY BE USED TO BIND OTHER MULCHES OR WITH WOOD FIBER IN A HYDROSEEDED SLURRY AT ANY TIME.

MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION OF CHEMICAL MULCHES SHALL BE FOLLOWED.

(A) INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS MAINTENANCE ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR SOIL EROSION, WHERE EROSION IS OSSERVED, ADDITIONAL MULCH SHOULD BE APPLIED. NET SHOULD BE INSPECTED AFTER ADDITIONAL MULCH SHOULD BE APPLIED. NET SHOULD BE INSPECTED AFTER EXPENSION ADMINISTRATION OF THE SLOPE. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED, CRASSES SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A DESCRIPTION OF THE SHOULD HAVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS EXPOSED AND TO SURVIVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS THROUGHOUT THE YEAR TO DETERMINE IN MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE, REPAIR AS NEEDED.

DUST CONTROL MEASUREMENT AND RECOMMENDATIONS

CONSTRUCTION ACTIVITIES AT THE PROJECT SITE WILL RESULT IN EMISSIONS OF FUGITIVE DUST TO THE ATMOSPHERE. THE QUANTITY OF FUGITIVE DUST CREATAGE WILL BE CONTINUED BUT IS DEPROBEDT UPON WEATHER CONDITIONS. FUGITIVE DUST PARTICLES HAVE A ORBATE PROPERSITY TO BECOME ARBORNE DURING SITE AND BREEZY METEROROLOGICAL CONDITIONS. CONSTRUCTION ACTIVITIES AT THE SITE WHICH WILL RESULT IN THE CENCRATION OF FUGITIVE DUST INCLUDE GRADING. THE CENCRATION OF FUGITIVE DUST INCLUDE GRADING THE PROFILE OF THE PROJECT OF THE PROPERSITY OF THE PROFILE OF THE PRO

- PRECAUTION SOMEMO CONSTRUCTION ON MAIL IMPLICATION THE PARCE MORE REPORTED TO USE.

 (A) USE WATER FOR DUST CONTROL OF ACTIVE CONSTRUCTION AREAS, ACTIVE UNPAVED ROADS, AND OTHER SURFACES WHICH CASK DUST, OF THE TOTAL OF THE PARCE TO BE FOLLOWED DURN'S STIE, GRADING WILL BE TO UNPAVED ROADS, AND OTHER SURFACES WHICH CASK DUST, A THEFLAR PRACTICE TO BE FOLLOWED DURN'S STIE, GRADING WILL BE TO WET THE NEWLY DISTURBED AREA.

 (B) APPLY SEED FOR A YEGETATIVE COVER ON STORAGE PILES, ESPECIALLY THOSE THAT WILL REAMN DOWNAMT FOR AN EXTENDED PERIOD.

 (C) APPLY THE BINDER COURSE OF PAVING MATERIAL TO STIE AS SOON AS THE PAYED ROADS AND THAT WILL REAMN DOWNAMT FOR AN EXTENDED PERIOD.

 (C) APPLY THE BINDER COURSE OF PAVING MATERIAL TO STIE AS SOON AS THE PAYED ROADS AND THAT PORTION OF THE EXISTING PAYED SUFFACES ON AND OFFSITE THAT ARE USED FOR THE DURATION OF THE PROJECT BY CONSTRUCTION TRAFFIC.

 (E) INSTITUTE A MAXIMUM ON SITE SPEED LIMIT OF 15 MILES PER HOUR.

 (F) THE CONTINUED OF THE PROJECT BOUNTED DURN'S DIFFER THE OWNERS REPRESENTING PAYED ASSURED UST 15 ADEQUATELY CONTROLLED, IF THE OWNERS REPRESENTING EXECUTIVE DETERMINED SUST CONTROLLED, IN THE CONTRACTOR SHEED UST CONTROLLED, IN THE CONTROLLED REPRESENTANCE DETERMINED SUST CONTROLLED, IN THE CONTRACTOR SHALL BE REQUIRED TO INCREASE THESE MEASURES AS DIRECTED.

SEEDING SCHEDULE

PERMANENT SEEDING SHALL BE ACCOMPLISHED WITH ONE OF THE FOLLOWING SEEDING MIXTURES:

KIND OF AREA: RROW AREAS, ROADSIDES, DIKES, LEVEES, POND BANKS AND OTHER SLOPES AND BANKS SEED MIXTURE LBS/ACRE LBS/1,000 SQ.FT.

0.45 0.45 TOTAL KIND OF AREA: LAWNS AND HIGH MAINTENANCE AREAS LBS/ACRE SEED MIXTURE LBS/1,000 SQ.FT.

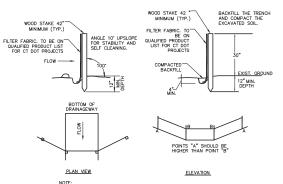
0.45 0.45 TOTAL TEMPORARY SEEDING RATES AND DATES

LBS/ACRE LBS/1,000 SQ.FT. DATE (1)(3) DEPTH (2) SELU MATURE 1.0 8/1-10/1 0.5 INCHES 3/1-6/15 SEEDING NOTES: (1) MAY BE PLANTED THROUGHOUT SUMMER IF SOIL IS ADEQUATE OR CAN BE IRRIGATED. (2) SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOILS.

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CT ORGANIC MULCH MATERIALS AND APPLICATION RATES

MULCHES <u>MULCHES</u> <u>PER ACRE</u> <u>PER 1,000 SQ.FT.</u> <u>NOTES</u>

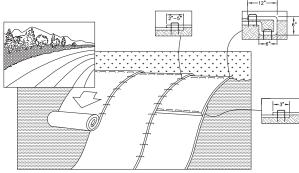
STRAW OR HAY 1/2-2 TONS 70-90 LBS FREE FRC FREE FROM MATTER AND COURSE MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.



NOTE:

1. USE PROPEX GEOSOLUTIONS MANUFACTURE: GEOTEX 2130 OR EQUAL APPROVED.

2. CT DOT FORM 816 SECTION 7.55 PLACEMENT & CONSTRUCTION OF SILTATION FENCE (TYPICAL)



SLOPE APPLICATIONS.

A THE TOP GET STALLING BLANKETS, INCLIDING ANY NECESSARY APPLICATION OF LINE, FERTILIZER, AND SEED.

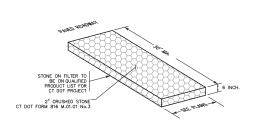
AND REPARES OIL BEFORE STALLING BLANKETS, INCLIDING ANY NECESSARY APPLICATION OF LINE, FERTILIZER, AND SEED.

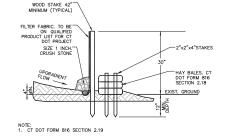
AND REPARES OF THE SLOPE BY AND SEED ON THE SEED PERFARED AREA, CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

B. SEGIN AT THE TOP OF THE SLOPE BY AND SEED AND SEED AND SEED AND SEED AND SEED ON THE SLOPE BY AND SEED AND SEE

THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOLD IRRIVE TO AD PURICATION OF THE COVERING AND SHALL BE REFERRILIZED, RESECTED, AND REMULCADO, SO PRICETO. USE EROSION CONTROL MATTING CLASS 1: SLOPE PROTECTION, TYPE D, NORTH AMERICAN GREEN C125BN OR APPROVED EQUAL

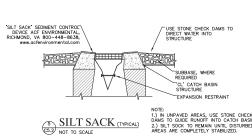
REINFORCEMENT EROSION BLANKET INSTALLATION ON SLOPE (TYPICAL) SO NOT TO SCALE

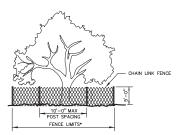




CONSTRUCTION ENTRANCE (TYPICAL)

SILTATION FENCE/ HAY BALE /BARRIER (TYPICAL)





* — THE CONTROLLING FACTORS FOR THE FENCE LIMITS ARE:

1. EDGE OF TIREE DRIPLIER AND,

2. TREE PROTECTION ZONE (TPZ)=10 x DBH (DIAMETER OF TRUNK MEASURED 4.5' ABOVE THE GROUND).

TREE PROTECTION NOTES:

1. BEFORE BEGINNING ANY SITE REMOVALS OR CONSTRUCTION, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND TREES INDICATED TO REMAIN ON THE PROTECTION FENCING AND FOR THE ENTIRE CONSTRUCTION PERIOD THE FOLLOWING SHALL APPLY:

NO VEHICLES OR EQUIPMENT MAY BE DRIVEN, OPERATED OR PARKED WITHIN AREAS ENCLOSED BY TREE PROTECTION.

-PAREAS ENCLOSED BY TREE PROTECTION CAN NOT BE USED AS ROUTES FOR SITE INTERFLICED.
-PENCING SHALL BE RESCURED AS INCESSARY AND MAINTAINED TAUT. FENCING SHALL BE REPARED OR REPLACED WHEN DAMAGED AT THE CONTRACTORS CONTRUCTIONS CONTRUCTIONS CONTRUCTIONS. PROTECTION AREAS, THE CONTRACTORS STORE DEPOSIT CONTRUCTIONS CONTRUCTIONS CONTRUCTIONS. PROTECTION AREAS, THE CONTRACTOR SHALL BE REPORTED AND SHALL BE AREAS OF EXISTING THE REPORT OF THE PROTECTION AREAS, THE CONTRACTOR SHALL BE CUT SMOOTH AND CLEAN USING SHAPP TOOLS. NO RIPPING OF TREE ROOTS BY MACHINES IS PERMITTED.

-ROOTS IN TRENCH SHALL BE CUT SMOOTH AND CLEAN USING SHAPP TOOLS. NO RIPPING OF TREE ROOTS BY MACHINES IS PERMITTED.
-ROOTS SHALL BE CALL AND STANGED AND SHAPP TOOLS. NO RIPPING OF TREE ROOTS BY MACHINES IS PERMITTED.
-ROOTS SHALL BE CLEAN AND STANGED.
-BACKFUL SHALL BE CLEAN AND STANGED.
-BACKFUL SHALL BE CLEAN AND STANGED.
-BACKFUL SHALL BE AND STANGED. AND STANGED. AND STANGED.
-BACKFUL SHALL BE AND STANGED. AND STANGED. TO FILL ALL VIOLS.
-BACKFUL SHALL BE AND STANGED. AND STANGED. TO RUNNER, BRANCHES AND ROOTS. ANY DAMAGE CAUSED TO TREES SHALL BE IMMEDIATELY REMEDIED BY THE CONTRACTOR.
-BACKFUL SHALL BE AREA TO A VOID ANY DAMAGE TO TRUNKS, BRANCHES AND ROOTS. ANY DAMAGE CAUSED TO TREES SHALL BE IMMEDIATELY REMEDIED BY THE CONTRACTOR.
-REMEDIAL MORK MAY NELLOUB PERMING, WOUND TREATMENT, CABLING OR ADDITIONAL MEASURES AS DETERMINED BY THE ARCHITECT.
-REMEDIAL MORK MAY NELLOUB PERMING, WOUND TREATMENT, CABLING OR ADDITIONAL MEASURES AS DETERMINED BY THE ARCHITECT.
-REMEDIAL MORK MAY NELLOUB END AND TREATMENT CONSTRUCTION OFERS THAT MAY RESULT IN TREE DAMAGE TO TREES.
-THE CONTRACTOR SHALL BE RAMED CON TREE PROTECTION NOTES:

TREE PROTECTION FENCE - CHAIN LINK



Martinez Couch & Associates, LLC

1084 Cromwell Avenue Rocky Hill, Connecticut 06067 Tel (860) 436-4364 Fax (860) 436-4626

Engineering - Environmental and Surveying - Project Manag

PRODUCED, COPTED ON HERMSED INFOSED OF, ALL HOT BE USED IN WHOLE IN THE REPORT TO ASSIST IN THE PROPULATION OF THE PRODUCTION OF MARINE OF PRODUCTIONS DEPENDED OF A PROPULATION OF A PRIST THEREOF CEPT UPON WRITTEN SPONGED ARCHITECTS. THE SCENISTION OF THE PROPULATION OF THE PROP

NO. DATE REVISION

PROJECT NAME
PROPOSED ADDITIONS &
ALTERATIONS TO RIVERFIELD
SCHOOL CONSTRUCTION DOCUMENTS

BUILDING NAME & ADDRESS RIVERFIELD SCHOOL 1625 MILL PLAIN ROAD FAIRFIELD, CT 06824

PROJECT NUMBER 2012.016 051-0125 EA

SEDIMENTATION AND EROSION CONTROL NOTES AND DETAILS CD MODEL

C5.2