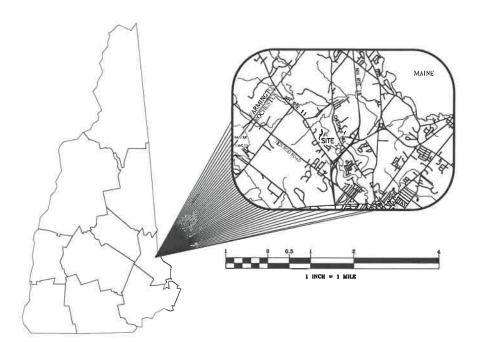
134 CHESTNUT HILL ROAD, ROCHESTER, NH 03867

PREPARED FOR

LYDALL PERFORMANCE MATERIALS, INC.

MAY 2020

(REVISED JUNE 20, 2020)





CIVIL ENGINEERS

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

OWNER OF RECORD

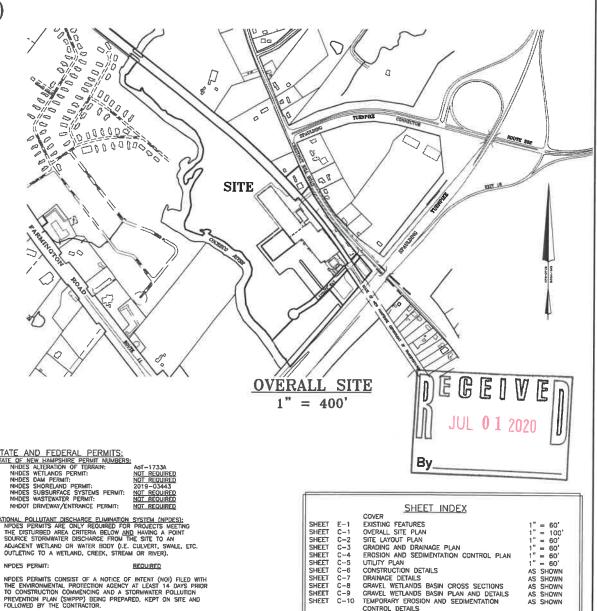
TAX MAP 216, LOT 32
OWNER OF RECORD:
LYDALL EASTERN, INC.
134 CHESTNUT HILL ROAD
ROCHESTER, NH 03667
SCRD BOOK 1769, PAGE 359

TAX MAP 221, LOT 186 & 187 OWNER OF RECORD: LYDALL EASTERN, INC. TECHNICAL PAPERS DIVISION 134 CHESTNUT HILL ROAD ROCHESTER, NH 03867 SCRD BOOK 2141, PAGE 753

LYDALL EASTERN INC. 134 CHESTERNUT HILL ROAD ROCHESTER, NH 03867

APPLICANT

(603) 332-4600



FILE NO. 154 PLAN NO. C-3059 DWG. NO. 17233/SP-3

ASSOCIATES, INC. (603)-335-3948. 31 Mooney Street, Alton, N.H. 603-875-3948

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION.
SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT
BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE
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IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS

NORWAY PLAINS ASSOCIATES,

CERTIFIED BY:

South Creig Viton

FOR STATUS OF THIS PERMIT, CONTACT THE PROJECT GENERAL CONTRACTOR.

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

2 Continental Blvd., Rochester, N.H. 603-335-3948

CONTROL DETAILS

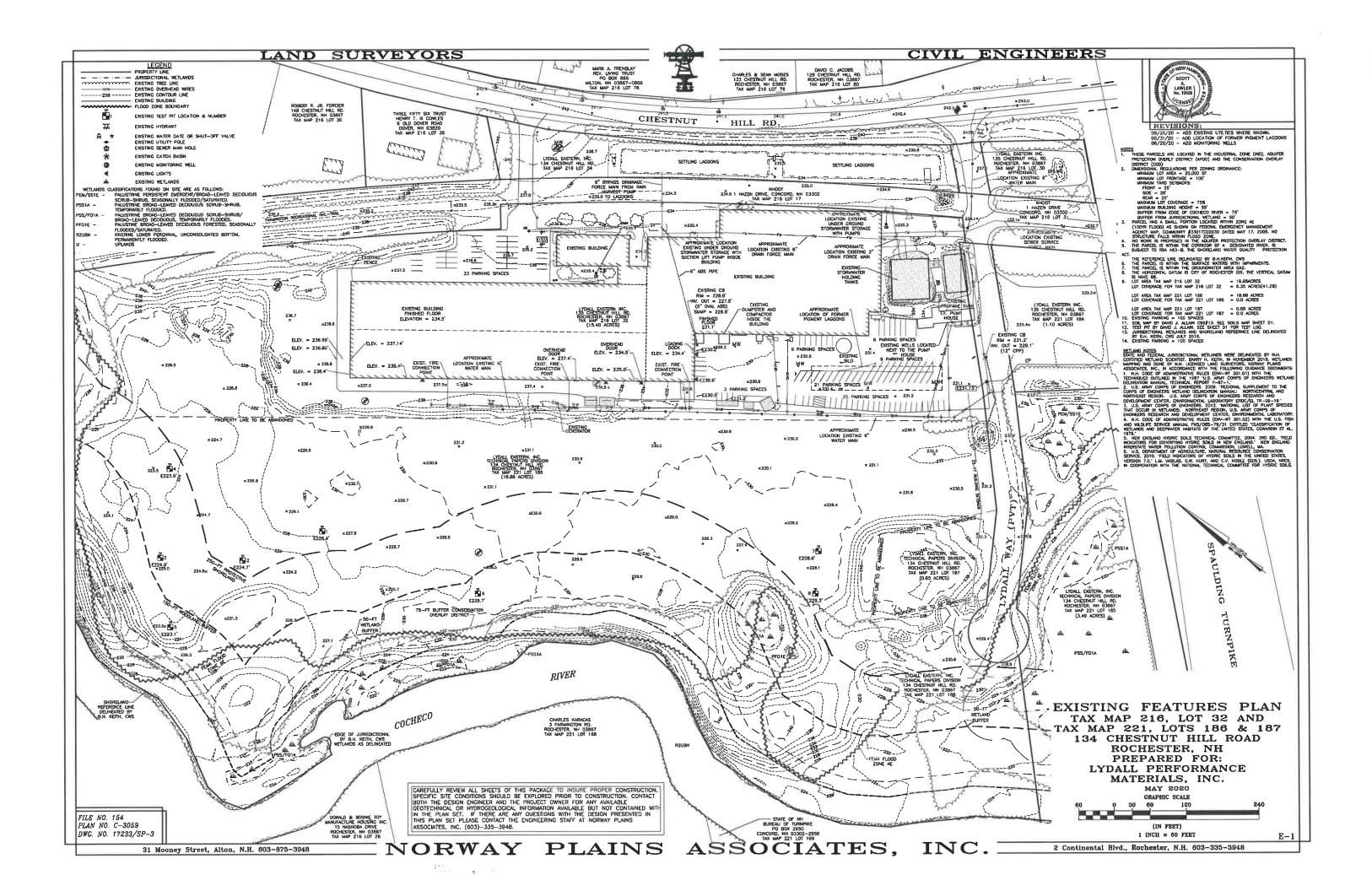
SHEET C-12 UTILITY DETAILS
SHEET L-1 LIGHTING PLAN AND DETAILS

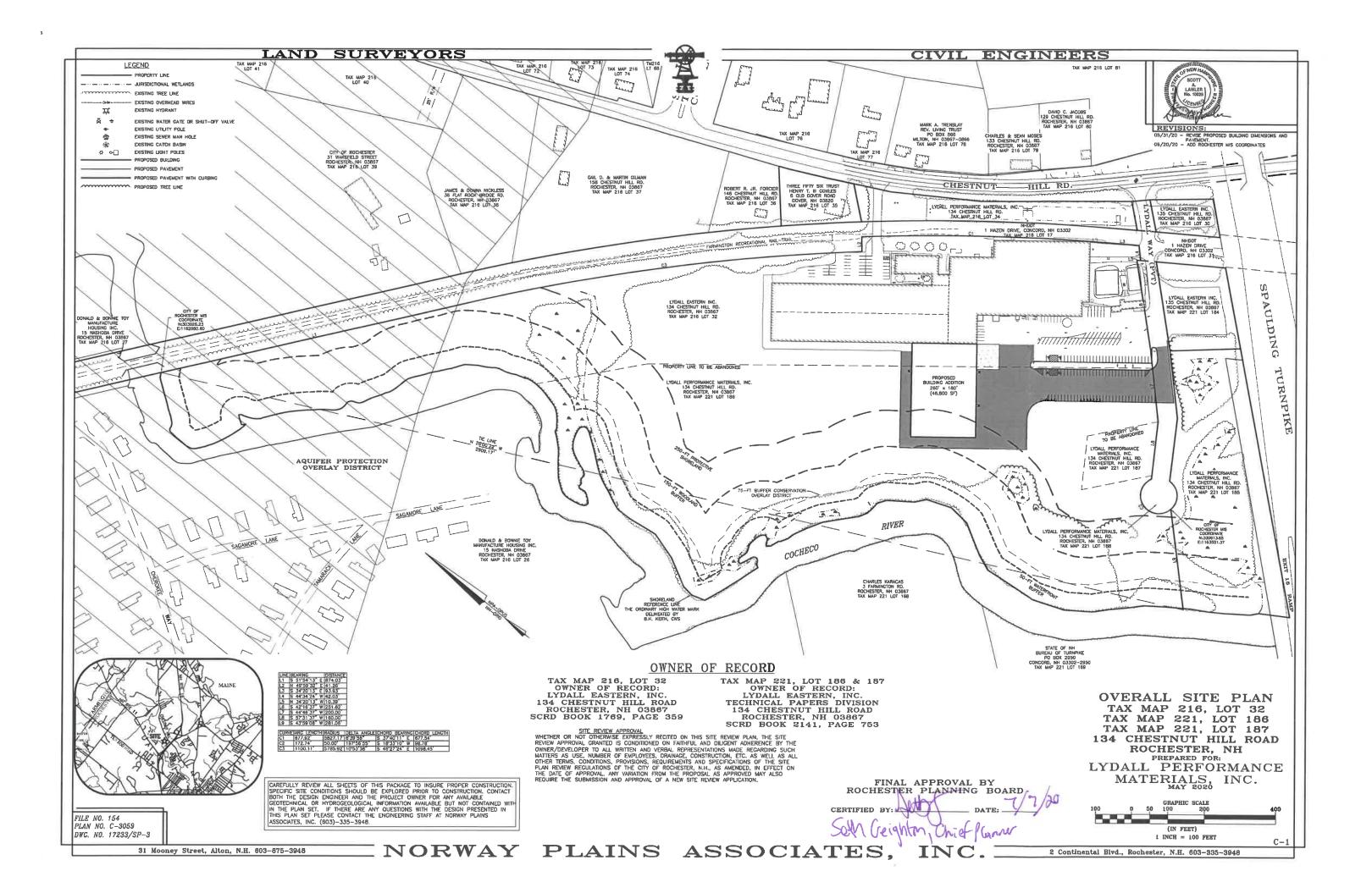
SHEET C-11 PERMANENT EROSION AND SEDIMENTATION

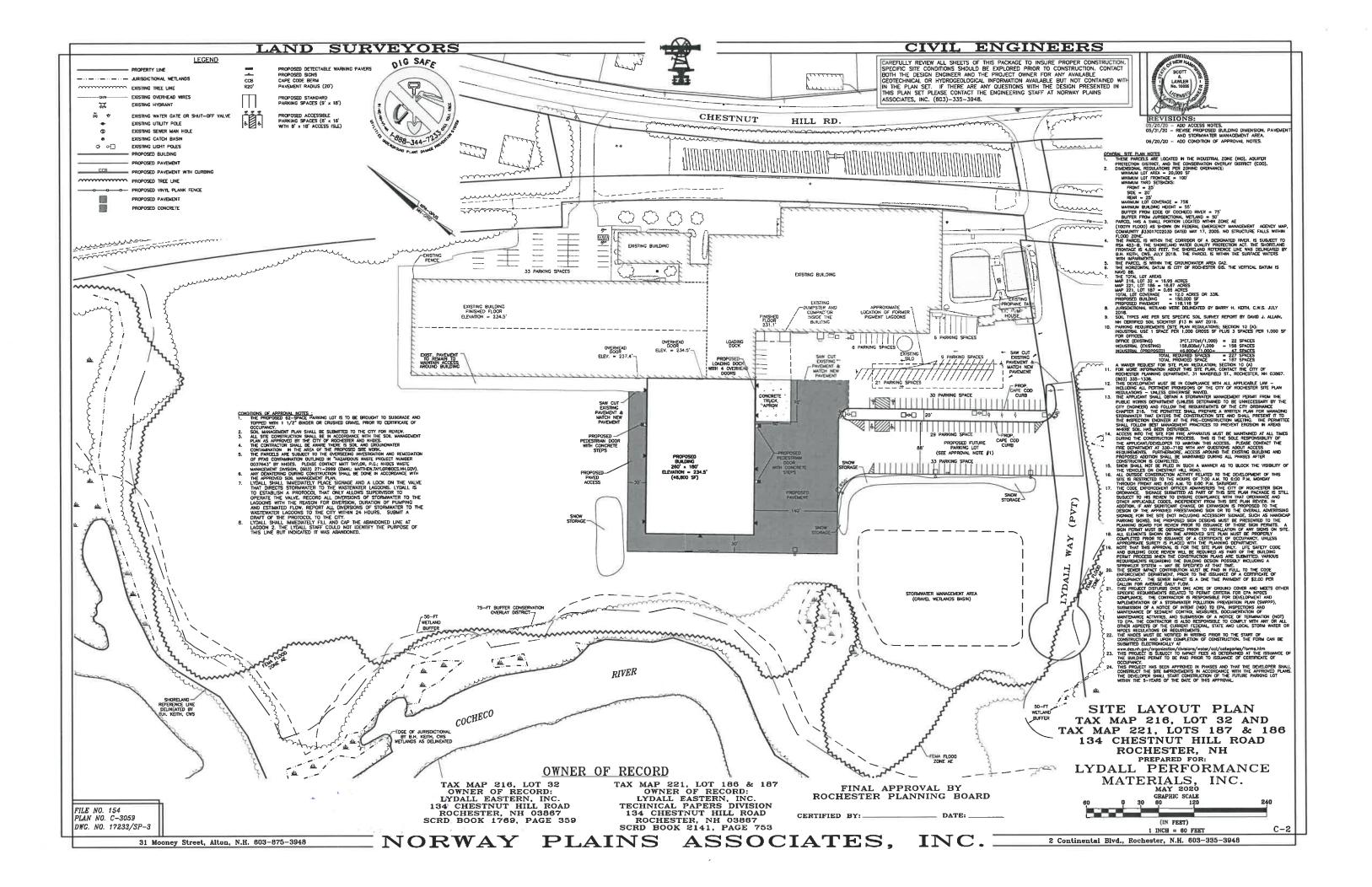
AS SHOWN

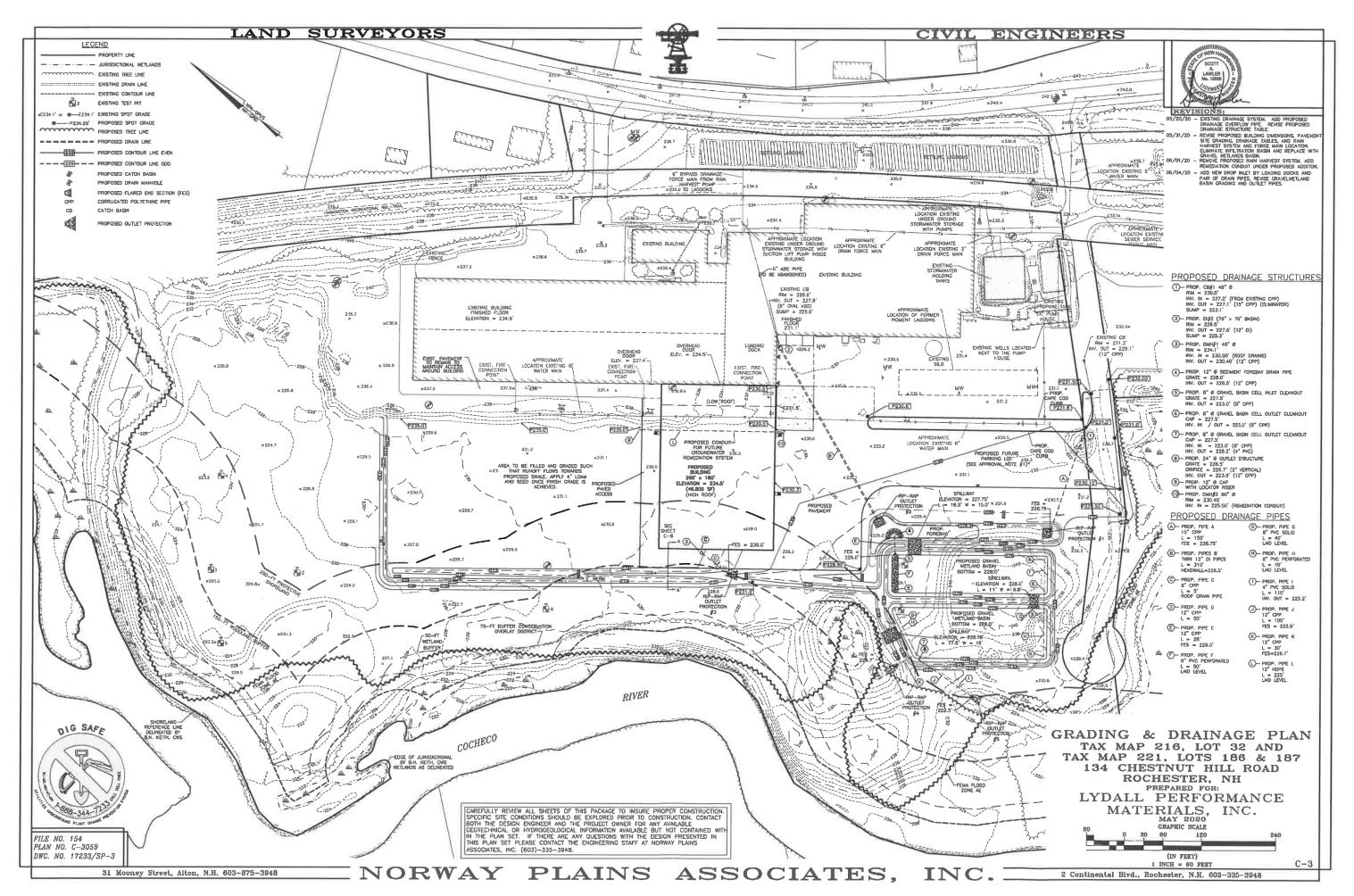
AS SHOWN

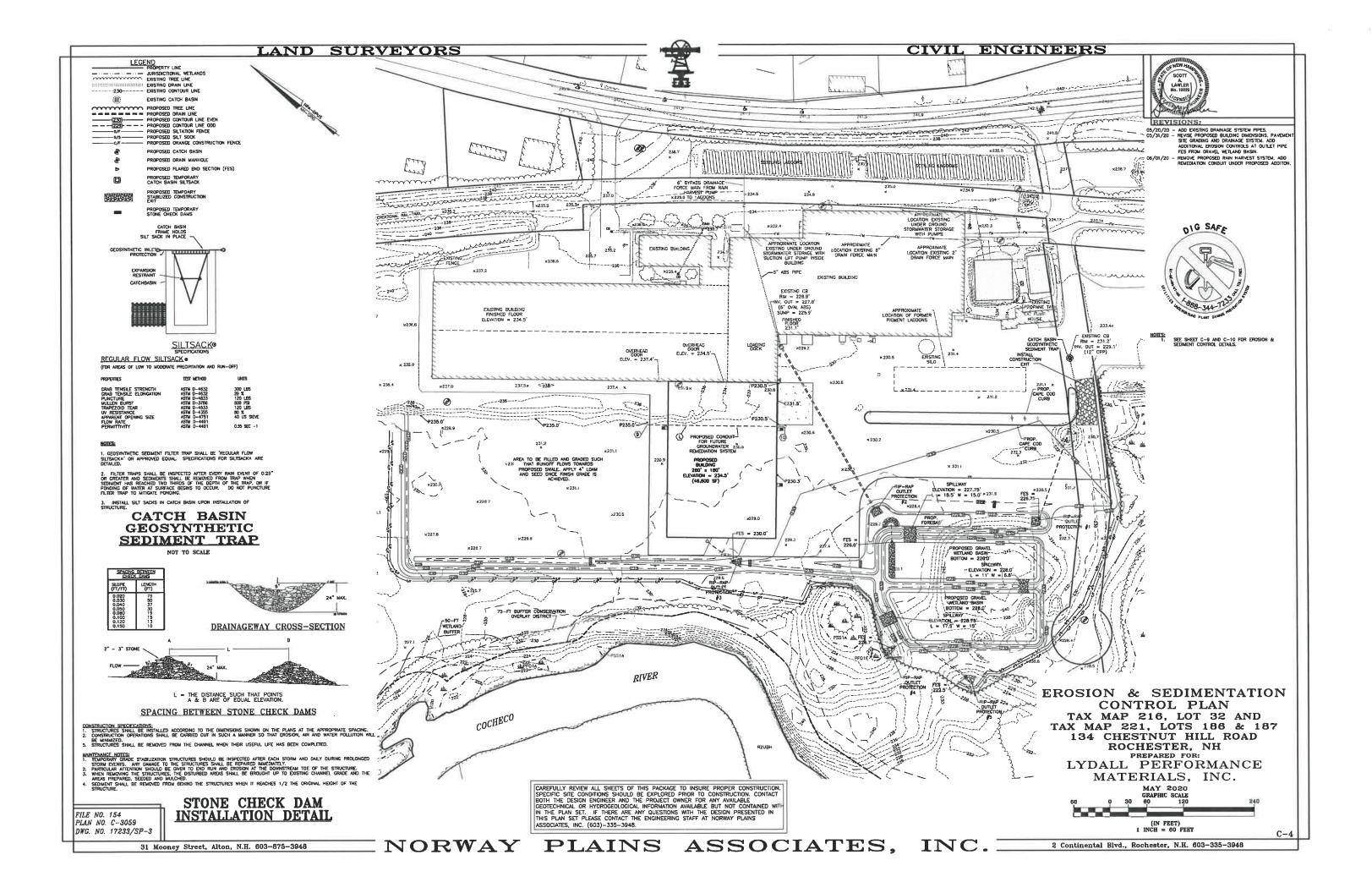
AS SHOWN 1" = 40'

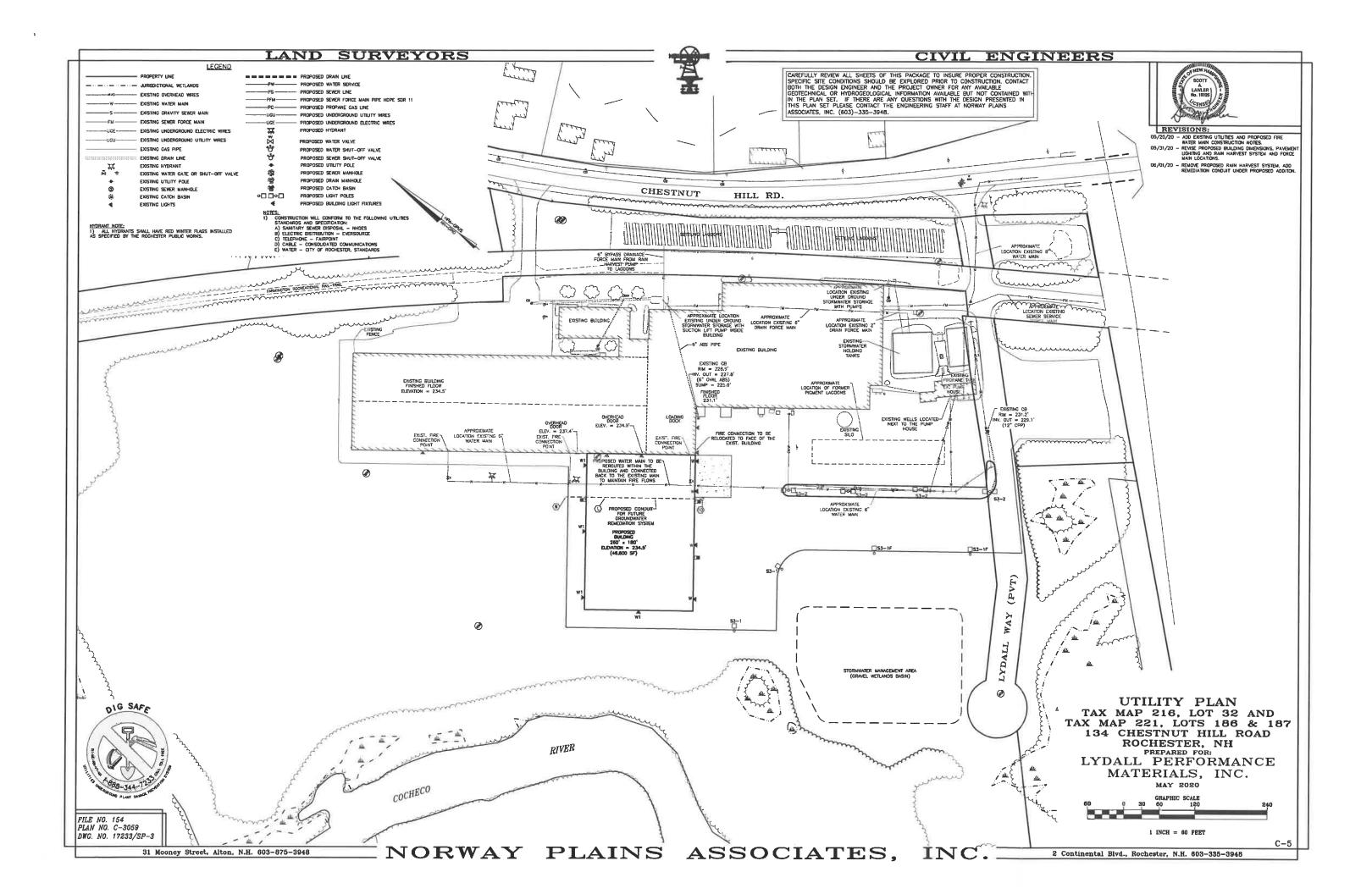


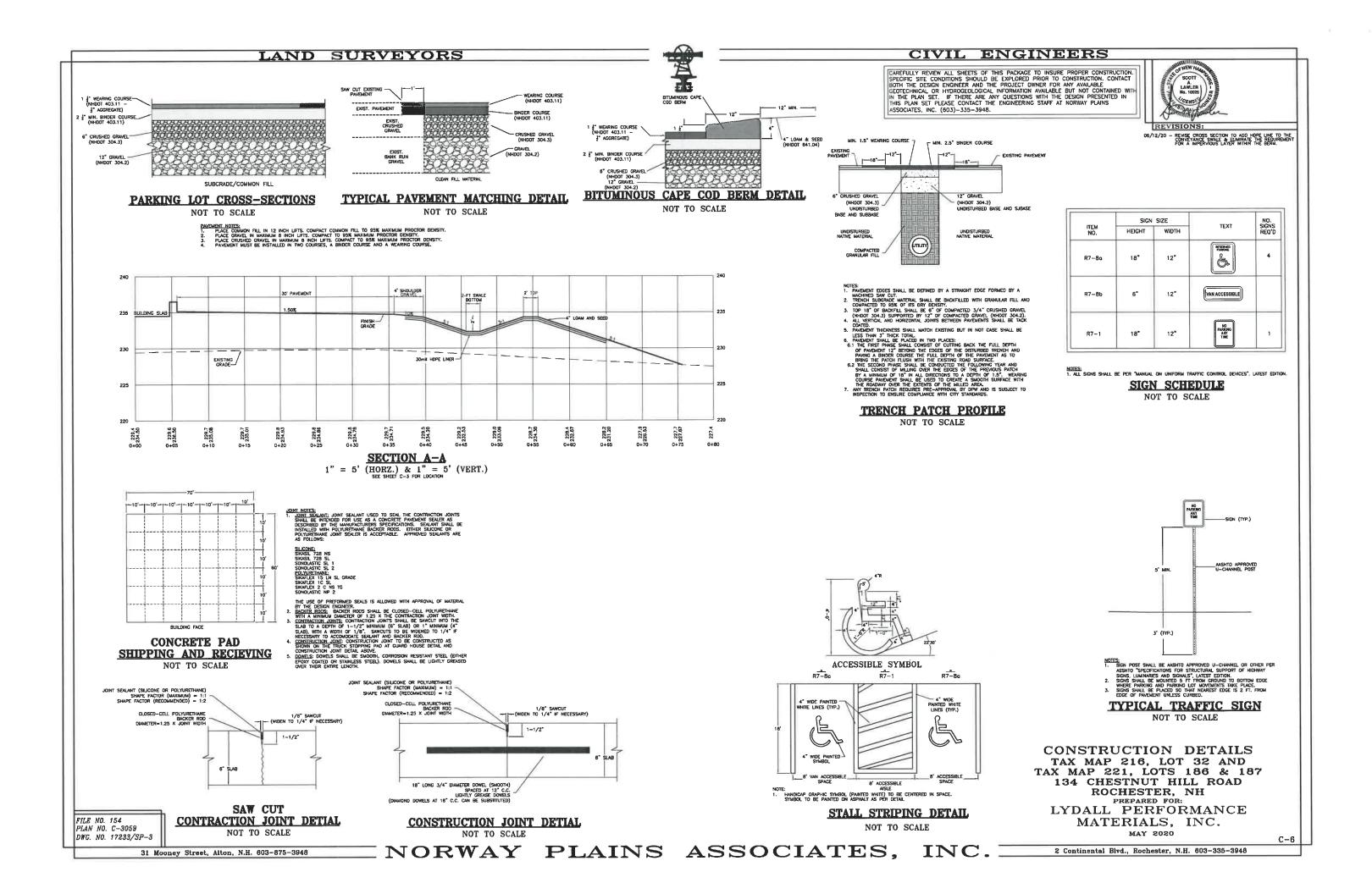




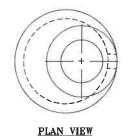




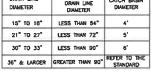




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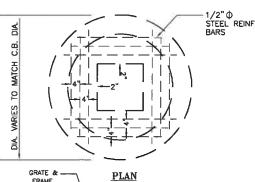


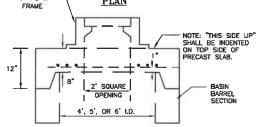


- JOINTS SEALED WITH I STRIP OF BUTYL SHIPLAP JOHNS SALED WITH I STRIP OF BUTYL.
 RUBBER SEALANT.
 PIPE OPENINGS CAST IN AS REQUIRED.
 RISER HEIGHT WARES 1', 2', 3' OR 4' TO REACH
 DESIRED DEPTH.
 PIPE CONNECTIONS SHALL BE MORTARED.
 PRECAST SECTIONS SHALL CONFORM TO ASTM

FILE NO. 154 PLAN NO. C-3059

DWG. NO. 17233/SP-3





ELEVATION

NOTE:

1. SLAB TO BE PLACED IN LIEU OF TAPERED SECTION WHERE PIPE WOULD OTHERWISE ENTER INTO TAPERED SECTION OF THE STRUCTURE AND WHERE PERMITTED.

2. SLAB TOP MAY BE CASTED WITH MINIMUM OR NO INTERLOCKING CHANNEL HOWEVER, THE CONTRACTOR MUST ENSURE THE SLAB TOP IS FIRMLY ATTACHED TO THE STRUCTURE.

REINFORCED CONCRETE SLAB COVER

NOT TO SCALE

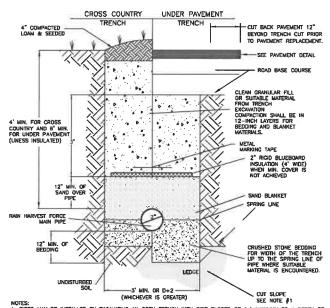
NOT TO SCALE

PRE-CAST REINFORCED CATCH BASIN

SECTION VIEW

DRAINAGE PIPE TRENCH INSTALLATION DETAIL

NOT TO SCALE

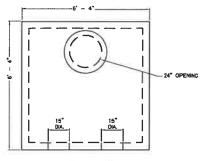


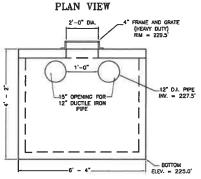
PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXMAILM TO A DEPTH OF FT. INTALLATIONS DEEPER THAN 4—FT REQUIRE THE USE OF A TRENCH BOX. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN PLAN. HOPE PRESSURE MAIN PIPE SECTIONS SHALL BE JOINED BY THERMAL HEAT FUSION. CONNECTIONS OR TRANSITION! NON-HOPE CHOMPONENTS SHALL BE MADE WITH RITHINGS APPROVED FOR HOPE CONNECTIONS. THE WELDING

FORCE MAIN RAIN HARVEST PIPE TRENCH INSTALLATION DETAIL

NOT TO SCALE

CIVIL ENGINEERS





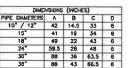
CONCRETE: 5,000 PSI MIN AFTER 28 DAYS.
TYPE III CEMENT
JOINT SEALED WITH BUTYLE RESIN.
END BOOTS SHALL BE USED AT THE PIPE CONNECTIONS
BOD CALLON PUMP BOX, H-20 LOADING, BY AJ. FOSS CO. OR APPROVE DROP INLET BASIN DETAIL NOT TO SCALE

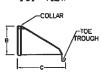
ELEVATION VIEW



REVISIONS:
05/20/20 - REVISE DIM DETAILS, ADD RAIN HARVEST DETAILS
05/31/20 - REMOVE 30% DIAMETER MANHOLE DETAIL
05/05/20 - ADD DROP INLET BASIN DETAIL





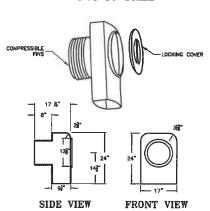




SIDE VIEW FRONT VIEW

FLAIRED END SECTION DETAIL

NOT TO SCALE



ELIMINATOR CATCH BASIN OIL AND DEBRIS TRAP DETAIL

NOT TO SCALE

LECTION SHALL BE "THE ELIMINATOR" OIL & FLOATING DEBRIS TRAP AS MANUFACTURED BY GROUND WAITER RESCUE, INC., GUINCY, MA., TEL. 817-773-1128 ON THE WIEB 0 WHW KLEANSTEEALCOM THE DIMENSIONS ARE FOR A 12" SYSTEM, BUT ALSO AVAILABLE IN 6", 10", 15" AND 16" COMMETERS.

DRAINAGE DETAILS TAX MAP 216, LOT 32 AND TAX MAP 221, LOTS 186 & 187 134 CHESTNUT HILL ROAD ROCHESTER, NH PREPARED FOR: LYDALL PERFORMANCE

MATERIALS, INC. MAY 2020

C-7

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROCEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET. PETAGES ANY OLDSTRONG WITH THE DESIGN PRESENTED IN

ASSOCIATES, INC. (603)-335-3948.

FILE NO. 154 PLAN NO. C-3059

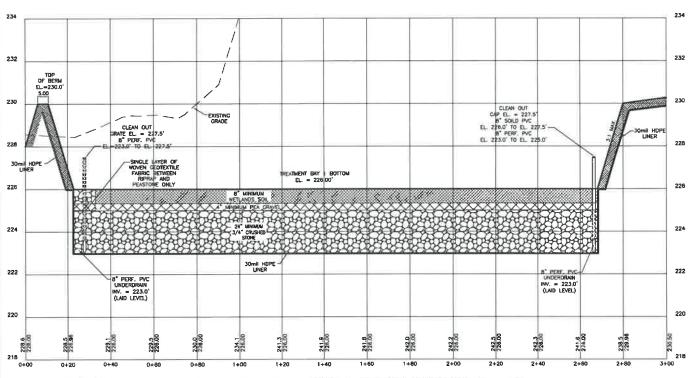
DWG. NO. 17233/SP-3

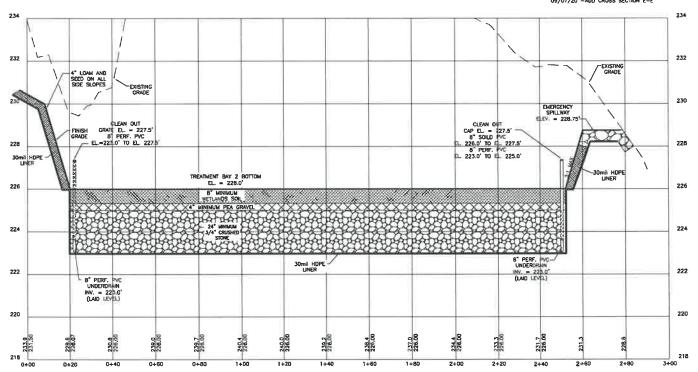
31 Mooney Street, Alton, N.H. 603-875-3948

CIVIL ENGINEERS

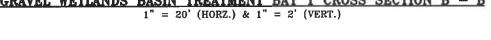
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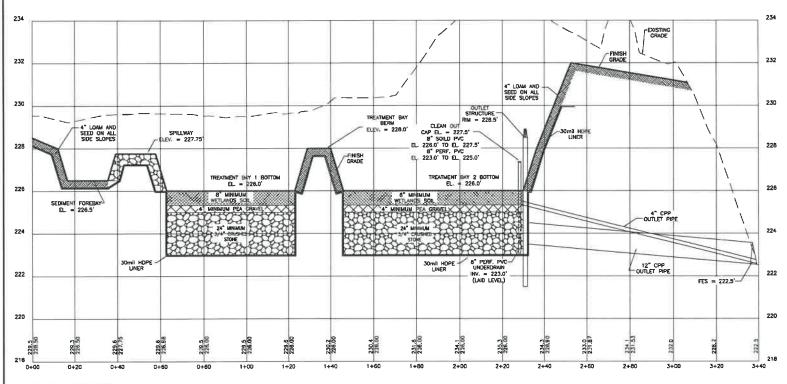




GRAVEL WETLANDS BASIN TREATMENT BAY 1 CROSS SECTION B - B

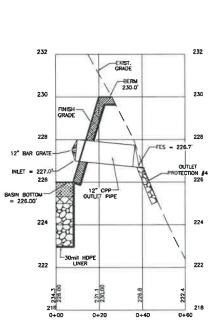


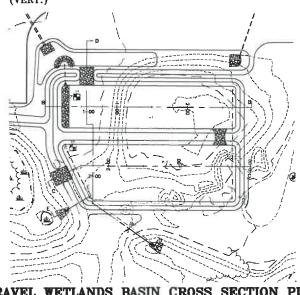
GRAVEL WETLANDS BASIN TREATMENT BAY 2 CROSS SECTION C - C 1" = 20' (HORZ.) & 1" = 2' (VERT.)



GRAVEL WETLANDS BASIN TREATMENT CROSS SECTION D - D

1" = 20' (HORZ.) & 1" = 2' (VERT.)



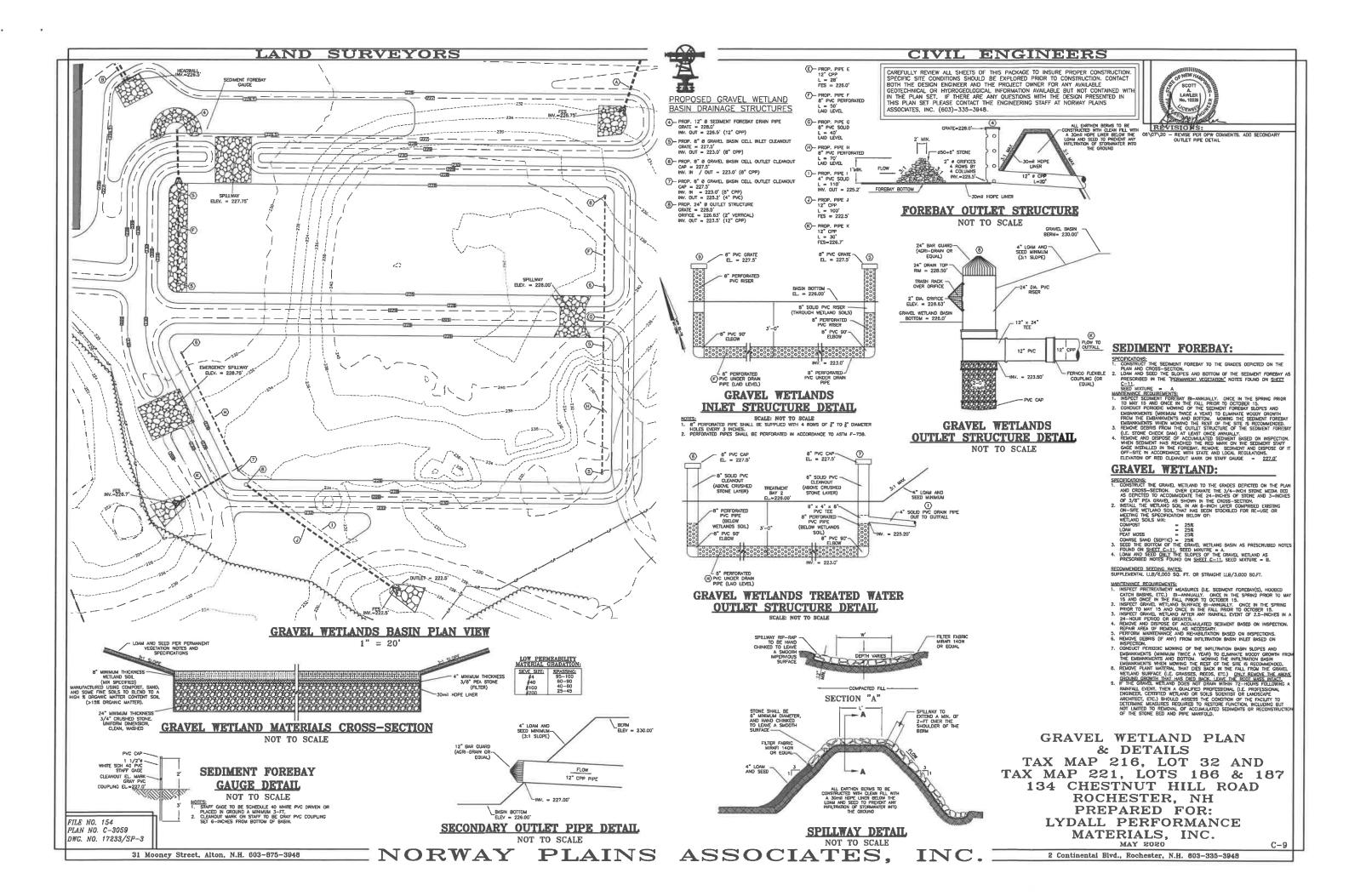


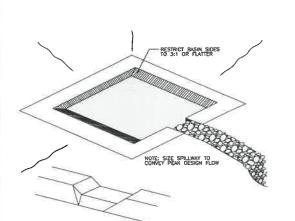
GRAVEL WETLANDS BASIN SECENDARY OUTLET SECTION E - E 1" = 20' (HORZ.) & 1" = 2' (VERT.)

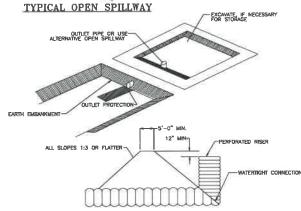
GRAVEL WETLANDS BASIN CROSS SECTION PLAN

GRAVEL WETLAND CROSS SECTIONS TAX MAP 216, LOT 32 AND TAX MAP 221, LOTS 186 & 187 134 CHESTNUT HILL ROAD ROCHESTER, NH PREPARED FOR: LYDALL PERFORMANCE MATERIALS, INC. MAY 2020

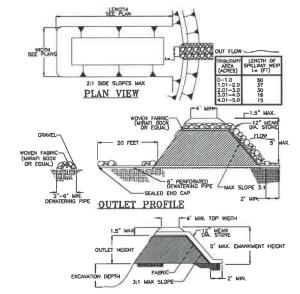
NORWAY PLAINS ASSOCIATES, INC.







EMBANKMENT SECTION THRU RISER

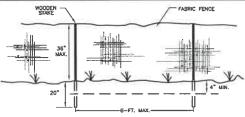


ALTERNATE OUTLET PROFILE

SEDIMENT TRAP

31 Mooney Street, Alton, N.H. 603-875-3948

FILE NO. 154 PLAN NO. C-3059 DWG. NO. 17233/SP-3



PROFILE WOODEN ____ SLOPE

CROSS-SECTION

<u>INTERNANCE REQUIREMENTS:</u>
FENCES SHALL BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST QUILY DURING PROLONGED

- THE BASE OF THE REPORTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED MAINTAINED STANLES BY THE REGIST OF THE SEDIMENT DEPOSITION SHALL BE REMOVED. AT A MINIMUM, WHEN DEPOSITION ACCUMALATES TO ONE-HALF THE REGIST OF THE SEDIMENT DEPOSITION SHALL BE REPORTED IMMEDIATELY FITHER ARE ANY SONS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNED OF UNDERCONTING AT THE CENTER OF THE EXPERTED IMMEDIATELY FOR THE REPORTED OF IMPORTATION BELOW THEM, IF THERE BEHAND THEM, SEDIMENT MARKERS AND LE REPLACED WITH A TEMPORATY CHECK, DOES OF LARGE VOLUMES OF MATER BEHAND THEM, SEDIMENT MARKERS AND LE REPLACED WITH A TEMPORATY CHECK, DOES OF LARGE VOLUMES OF MATER AND SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FERNCE IS NO LONGER REQUIRED SHALL BE CRESSED TO CONFORM TO THE EXISTING GROUP PREPARED AND SEEDED.

 IF THERE IS EVIDENCE OF DUD FLOW ON PROPERTY INSTALLED BROKERS, THE SIDE ASSESSED TO CONFORM TO THE EXISTING GROUP PREPARED AND SEEDED.

 IF THERE IS EVIDENCE OF DUD FLOW ON PROPERTY INSTALLED BROKERS, THEND BARRIERS UPHALL OR CONSIDER REPLACING THEM FOR THE SILT FERNCE IS NO LONGER REQUIRED SHALL BE REPARED PROPERTY.

CONSTRUCTION SEGRECATIONS

1. FENCES SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAWNEEW WAY AROVE THE FENCE. SECURENT BARRIERS SHALL BE INSTALLED PRIOR TO CONCENTRATION OF WATER IN A CHANNEL OR DRAWNEEW SHALL BE INSTALLED PRIOR TO LITE MANIMAN CONTRIBUTING DRAWNEE AREA ABOVE THE FENCE SHALL BE LESS THAN 1 ACRE PER 100 LIMEAR FEET OF FENCE; 3. THE MANIMAN SLOTE ABOVE THE FENCE SHALL BE 211 OF THE LAND AS CLOSELY AS POSSIBLE, AND SHALL BE COPTED.

4. THE MANIMAN SLOTE ABOVE THE FENCE SHALL BE 211 OF THE LAND AS CLOSELY AS POSSIBLE, AND SHALL BE COPTED.

5. FENCE SHALL BE DIRECTED SHALL BE TARRED LIPSCOPE.

6. THE FABRIC SHALL BE DIRECTED SHALL BE THAN DIRECTED. THE LAND AS CLOSELY AS POSSIBLE, AND THE ARBOVE SHALL BE DIRECTED. THE THAN DIRECTED OF HEAVY ROOTS, THE BASE OF THE FRENCE SHALL BE DIRECTED. THE CHANNEL SHALL BE LIBERTOR FOR THE PRESENCE OF HEAVY ROOTS, THE BASE OF THE FRENCE SHALL BE EMBELDED WITH A MANIMUM PHOOMESS OF 8 INCHES OF 3/4-INCH STONE;

5. THE SAG SHALL BE COMPANIED FOR THE EMBELDED PRIOR.

6. THE SAG SHALL BE COMPANIED WATER DIRECTED ARE THE DIRECTED PRIOR.

6. THE SAG SHALL BE COMPANIED WATER DIRECTED ARE THE DIRECTED PRIOR.

6. THE SAG SHALL BE COMPANIED WATER DIRECTED ARE THE DIRECTED PRIOR.

6. THE SAG SHALL BE COMPANIED WATER DIRECTED. PRIOR OF SACING OF 6 FEET.

- SYMPHOTIC OF 0 FEST; OF THE FENCE SHALL BE OVERLAPPED BY A MINIMUM OF 6 INCHES (24 INCHES IS PREFERRED), FOLDED AND STAFLED TO A SUPPORT POST, IF METAL POSTS ARE USED, FABRIC SHALL BE WRIE-TED DIRECTLY TO THE POSTS WITH FERENCE SHALL BET WRIE-TED DIRECTLY TO THE POSTS WITH FINANCE SHALL BET OF STAFLED ON NALIDE TO TREES.
 FILTER FABRIC SHALL BE A PERMOUS SHEET OF PROPYLENE, INLON, POLYESTER OR ETHYLENE VARN AND SHALL BE CERTIFIED THE MAINFACTURER OF SUPPLIES.

- LITER FARRIC SHALL BE A PERVIOUS SHEET OF PROPHLER, INTLON, POLYESTER OR ETHILIDE YARN AND SHALL BE CERTIFIED FOR MAJORITHM LITERATURE CHARLES SHALL CONTAIN LITERADICET. HE PHIRESTORS AND STREAMENT FOR PROPIOSE A MANUAL OF & BUNDANCE FOR LITERATURE CHARCE OF O DECREES FAHRENHEST TO 170 DECREES FAHRENHEST. FOR SITY FERONS SHALL BE ITERIAL HAND MADARITER WOOD ON TLAS POPUNDS POR LUCAR FOOT STEEL MITH A MAINIMUM 4 OF 5 PEST, STEEL POSTS SHALL HAVE, PROJECTIONS FOR FASTENING WIRE TO THEM. POSTS SHALL BE PLACED ON THE SLOPE SIDE OF THE FABRICS.
 BIGHT FOR A SILT FENCE SHALL HOT EXCEED 36 BICHES AS HIGHER FENCES MAY IMPOUND VOLUMES OF MATER SUFFICIENT TO FAILURE OF THE STRUCTURE.
 LITER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUIT TO THE LENGTH OF THE BARRIES TO AND THE USE OF WHEN JOINT AND SECURITY FORTS. WITH A MAINIMUM 10 POUNDE AND SECURITY FORTS WITH SUFFICIENT TO THE LINET OF THE BARRIES TO AND THE USE OF WHEN JOINT ARE RECESSIVELY FUTTR CLOTH SHALL BE SPICED TOGETHER ONLY AT SUPPORT POST, WITH A MAINIMUM 10 POUNDE AND SECURITY FORTS WITH THE GARDIER.

- 13. POST SPACING SHALL NOT EXCELD 6 FEET.

 14. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UP GRADIENT THAN 18 INCHES DESIGNATION OF PLOTE FASHED SHALL BE THE BASSIER.

 15. THE MET OF THE TRENCH OF FILTER FASHED SHALL BE STAPLED OR WRIED TO THE POST, AND 8 INCHES ADD THE OTHER OND SURFACE.

 16. THE TRENCH SHALL BE BACKFILLED AND THE SOLL COMPACTED OVER THE FILTER FASHED.

 17. SLIF FEREC MAY BE INSTALLED BY "SULCINO" SHIPS MICE SHALL DESIGNATED OVER THE FILTER FASHED.

 18. SLIF FEREC MAY BE INSTALLED BY "SULCINO" SHIPS MICE SHALL DESIGNATION OVER THE SULCENS METHOD USES AN BIFLEHAUTH TOWED BEHIND A TRACTOR TO "PLOW" OR SULC THE SLIF FAME METHOD. HIT ES OLD, SHAPLING HIT ES OLS. PROFILE SHALL DESIGNATION OF SHAPLE SOLL SHAPLING THE SOLL SHAPLING AND THE SULCINO BETHOD MINISTALLY DESIGNATE THE SOLL SHAPLING DISCOVERY OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOUL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SOLL OF THE SULCINO BEHIND ON HIMMALLY DISCOVERY THE SULCINO BEHIND ON THE SULCINO

SILTATION CONTROL FENCE DETAIL

NOT TO SCALE

TEMPORARY VEGETATION SEEDING RECOMMENDATIONS

SPECIES	PER ACRE BUSHELS (BU) OR POUNDS (LBS.)	PER 1,000-SF	REMARKS
WINTER RYE	2.5 BU OR 112 LBS.	2.5 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	2.5 BU OR 80 LØ5.	2.0 L8S.	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15 FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYE GRASS	40 LBS.	1.0 LB.	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15 AND SEPTEMBER 13. COVER THE SEED WITH NO MORE THAN 0.25 INCH OF SOIL.
PERENNIAL RYE GRASS	30 LBS.	0.7 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.

CIVIL ENGINEERS

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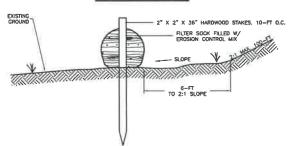
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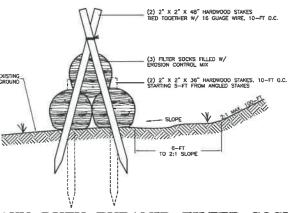
THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLANS ASSOCIATES, INC. (603)-335-3948.



FILTER SOCK CONNECTION **PLAN VIEW**



FILTER SOCK CROSS-SECTION



HEAVY DUTY PYRAMID FILTER SOCK CROSS-SECTION

CONTINUOUS CONTAINED BERM (FILTER SOCK ALTERNATIVE):

1. AN ALTERNATIVE PRODUCT, THE CONTINUOUS CONTAINED BERM (OR "FILTER SOCK") CAN BE AN EFFECTIVE SCHEMENT BARRIER AS IT ADDS CONTAINMENT AND STABILITY TO A BERM OF EROSION CONTROL MIX.

2. IN THE EVENT THAT USE OF CONTINUOUS CONTAINED BERM IS DESIRED, THE PRODUCT SELECTED SHOULD BE REVIEWED AND APPROVED BY THE DESIGN ENGINEET.

3. INSTALLATION OF CONTINUOUS CONTAINED BERMS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE MANUFACTURES.

MAINTENANCE REQUIREMENTS:

1. FILTER SOCK MAINTENANCE SHALL FOLLOW THE SAME SCHEDULE AS EROSION CONTROL MIX BERMS.

CONSTRUCTION SPECIFICATIONS:

. CONFORM OF THE ROSON CONTROL MIX SHALL EITHER BE THE SAME AS EROSION CONTROL MIX BERM MIXERAL OR AS SPECIFIED BY THE FILTER SOCK MANUFACTURER.

2. THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR.

3. IT MAY BE NECESSARY TO CUT TALL CRASSES AND WOODY VECETATION TO AVOID CREATING VOIDS AND BRIDGES IN THE BARRIER THAT WOULD BARBLE PINES TO WASH UNDER THE BARRIER THROUGH THE GRASS BLOES OR PLANT STEMS.

4. PLIZER SOCK DIAMETER (HEIGHT) SHALL BE PER THE MANUFACTURER RECOMMENDATION FOR THE AREA OF

CONTINUOUS CONTAINED BERM "FILTER SOCK" DETAIL

NOT TO SCALE

TEMPORARY VEGETATION:

PTGETDENDATION:
IT PREPARATION:
I. INSTALL NEEDED EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DIVERSIONS, AND

SEDIMENT TRAPS.

GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.

APPLICATION, AND MUICH ANCHORING.

RINORF SHALL BE DIVERTED FROM THE SEEDBED AREA.
ON SLOPES 4:1 OR STEEPER, THE FINAL PREPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES.
PERPENDICULAR O. THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNGEF.

PERPONICULAR OF THE DIRECTION OF THE SLOPE TO CACH SEED AND REDUCE KNOWN.

1. STONES AND TRASH SHALL GE REMOVED SO AS NOT TO INTERFERE WITH THE SEEDING AREA.

2. WHERE THE SOLL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2.

INCHES BEFORE APPLING FERTILIZER, LIME AND SEED.

1. PAPPLICABE, FERTILIZER AND ORGANIC SOIL AMERICANNIS SHALL BE APPLED DURING THE GROWING SEASON.

1. PAPPLICABE, FERTILIZER ACCORDING SOIL AMERICANNIS SOIL BE APPLED DURING THE GROWING SEASON.

1. PAPPLICABE, FERTILIZER ACCORDING THE TISTS TRECOMMENDATION. FERTILIZER SHALL SEASON.

1. PAPPLICABE, STONE ACCORDING THE STONE STONE RELEASE INTROGEN MARIETES, UNLESS A SOIL TEST MARRANTS OTHERWISE, IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR MARIET STEES, OR WHERE THANKS IC CRITICAL FERTILIZER AND LUMSTONE MAY BE APPLIED AT THE FOLLOWING RATES:

UMESTONE APPLICATION RATE = 3 TONS/ACRE (138 LEI./1,000-SF)* "EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE

FERTILIZER APPLICATION RATE = 870 LB./ACRE (20 LB./1,000-SF)* *LOW PHOSPHATE FERTILIZER (6-0-4) OR EQUIVALENT

SEEDING:

1. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED BY 10% WHICH HYDROSEDING. AND SOLDER PROR TO SEPTIMEN 18.

2. TEMPORARY SEED SHALL TYPICLUR PROR TO SEPTIMEN 18.

3. APPLAS SEED BETWEEN LAND AUGUST 15 SHALL BE COMERD WITH HAY OR STRAW MULCH, AND AUGUST 15 SHALL BE COMER

MAINTENANCE REQUIREMENTS;

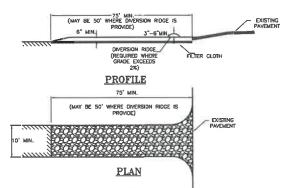
TEMPORARY SEEDING SHALL BE INSPECTED WEEKLY AFTER ANY RAINFALL EXCEEDING 1/2 INCH IN 24 HOURS ON ACTIVE CONSTRUCTION SITES. TEMPORARY SEEDING SHALL BE INSPECTED JUST PRIOR TO SEPTEMBER 15, TO ASCERTIAN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE STABILIZATION OVER THE WINTER

PERIOD.

BASED ON INSPECTION, AREAS SHALL BE RESEEDED TO ACHIEVE FULL STABILIZATION OF EXPOSED SOILS. IF IT IS TOO LATE IN THE PLANTING SEASON TO APPLY ADDITIONAL SEED, THEN OTHER TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED.

IF ANY EXPRESS SHALL BE IMPLEMENTED.

IF ANY EXPRESS OF RESIDENCY OF SEASON ON SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND AREAS SHALL BE RESEEDED, WITH OTHER TEMPORARY MEASURES (LE. MULCH, ETC.) USED TO PROVIDE EROSION PROTECTION DURING THE PERROD OF VEGETATION ESTABLESHEADY.



TEMPORARY CONSTRUCTION EXIT

NOT TO SCALE

MAINTENANCE REQUIREMENTS:

WHEN THE CONTINCE FAID BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED ALONG WITH THE COLLECTED SOIL MATERIAL, REGRADED ON SITE, AND STABILIZED. THE ENTRANCE SHALL TEN BE RECONSTRUCTED.

THE CONTRACTOR SHALL SWEED THE PAREMENT AT EXITS WHENEVER SOIL MATERIALS ARE TRACKED ONTO THE ADJACENT PAYEMENT OR TRAVELED WAY.

WHEN WHELE MASHING IS REQUIRED, IT SHALL BE CONDUCTED ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAWS INTO AN APPROVED SEDMENT-TAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAWS, DITCHES, OR WATERMARD FROM ENTERING STORM DRAWS, DITCHES, OR WATERMARD FROM ENTERING STORM DRAWS, DITCHES, OR WATERMARD.

INSTITUCION, SESCIEGATIONS:

THE MINIAUM STORE USED SHALL BE 3-INCH CRUSHED STONE.

THE MINIAUM STORE USED SHALL BE 3-INCH CRUSHED STONE.

THE MINIAUM LENGTH OF THE PAD SHALL BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 30 FEET IF A 3-INCH TO 6-INCH SERWI IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.

THE PAD SHALL BE THE FULL WIDTH OF CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS

THE PAD SHALL SLOPE AWAY FROM THE EXISTING ROADWAY.
THE PAD SHALL SLOPE AWAY FROM THE EXISTING ROADWAY.
THE PAD SHALL SE AT LEAST 6 INCHES THICK.
THE PAD SHALL SE AT LEAST 6 INCHES THICK.
THE GEOTHERITE FILTER FRAME SHALL SE PLACED SETWEEN THE STONE PAD AND THE EARTH SURFACE
BELOW THE PAD.

THE PAD. THE PAD. THE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOS THE VOIDS IN

BELOW THE PAD.

THE PAD SHALL BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF—SITE.

NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHALL BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUTRABLE QUILLET PROTECTION.

TEMPORARY EROSION & SEDIMENTATION CONTROL

TAX MAP 216, LOT 32 AND TAX MAP 221, LOTS 186 & 187 134 CHESTNUT HILL ROAD ROCHESTER, NH PREPARED FOR:

DETAILS

LYDALL PERFORMANCE MATERIALS, INC.

C-10

NORWAY PLAINS ASSOCIATES. INC. 2 Continental Blvd., Rochester, N.H. 603-335-3948

RIP-RAP GRADATION

d50 = 9"

d50 = 3"

APRON DIMENSION TABLE OUTLET PROT. # PIPE OUTLET Wo W Lo T d50

#3 - PIPE D 12" CPP 3' 8' 13' 9" 3"

#4 - PIPE K 12" CPP 3' 12' 9' 9" 3"

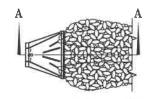
#5 - PIPE J 12" CPP 3.8' 13' 9' 9" 3"

12" CPP

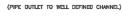
3.8' 16' 13' 9" 3"

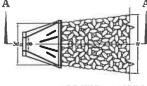
3' 11' 20' 9" 3"

TO OF WEIGHT SMALLER SIZE OF STONE



EXISTING SUB-GRADE GEOTEXTILE FABRIC SECTION A-A





GEOTEXTILE FARRIC SECTION A-A

NOTES:

1. ALL PIPE CULVERTS SHALL HAVE END SECTIONS OR MEADWALLS. END SECTION MATERIAL AND MANUFACTURER SHALL MATCH THAT AS THE BIDD CHILLIEDT. OF THE PIPE CILVERT.

THE LARGEST RIP-RAP SIZE DETERMINED DURING HYDROLOGIC ANALYSIS HAS BEEN USED FOR ALL OUTLETS FOR ECONOMY AND SIMPLICITY.

SIMPLICITY.

APRON LENGTHS, WIDTHS AND THICKNESSES HAVE BEEN ROUNDED UP TO WHOLE NUMBERS FOR EASE OF CONSTRUCTION.

#2 - PIPE B

CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SUB-GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP-RAP TO THE GRADES SHOWN ON THE PLANS.

2. IMPRILADE & SAND/GRAVEL BEDDING OR GEOTEXTILE FABRIC REQUIRED UNDER ALL ROCK RIP-RAP.

3. THE ROCK OR GRAVEL USED FOR FILTER OR RIP-RAP SHALL CONFERN TO THE SPECIFED GRAVATION.

4. GEOTEXTIL PROBLESS SHAPE FROM THE PROPERTY OF THE PLANS FOR THE PROBLEM OF THE PLANS FOR THE PROBLEM OF THE PLANS FOR TH

MINIMUM OF T2 INCHES.

STOME FOR THE REPARAD ALL DEEDOS REQUIRENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVIOUS SEGRECATION OF THE STOME SIZES.

RIP—RAP SIZE CHOSEN FOR THE WORST CASE OF ALL QUITLETS. ALL RIP—RAP USED FOR PIPE OUTLET PROTECTION WILL HAVE THE SAME GRADATION AND THICKNESS.

MAINTENANCE NOTES: 1. OUTLETS SHALL BE INSPECTED AND CLEANED ANNUALLY AND AFTER ANY MAJOR STORM EVENT. ANY EROSION OR DAMAGE TO THE REPAY SHALL BE REPARED IMMEDIATELY. 2. THE CHANNEL MAMEDIATELY DOWNSTREAM FROM THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING. 2. THE CHANNEL MAMEDIATELY DOWNSTREAM FROM CLEAR OF OBSTRUCTIONS SUCH AS FALLEM TREES, DEBRIS, AND SEDIMENT THAT COLLID CHANGE FLUX PATTERNS AND/OR TALLWARTED SEPTIS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

PIPE OUTLET PROTECTION DETAIL

DUST CONTROL PRACTICES:

- APPLY DUST CONTROL MEASURES AS NECESSARY TO MAINTAIN CONTROL OF DUST ON SITE.

 WATER APPLICATION:

 A) MOISTEN EXPOSED SOIL SURFACES PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.

 B) AVOID EXCESSIVE APPLICATION OF WATER THAT WOULD RESULT IN MOBILIZING SEDIMENT AND SUBSEQUENT
 DEPOS

DEPOSITION IN TRAUTURE TRADESCRIPTION OF THE PROPERTY OF THE P

- LOCATE STOCKPRES A MINIMUM OF SO-FT. AWAY FROM CONCENTRATED FLOWS OF STORMWATER, DRAINAGE COURSES OR HLETS.
 FORDET ALL DOCKPRES FROM STORMWATER RUN-ON USING TEMPORARY PERMETER MEASURES SUCH AS DIVERSIONS, BESIAS, SANDRAGS OR OTHER APPROVED PRACTICES.
 STOCKPIES SHALL BE SURROUNDED BY SEINMEN BARRIERS AS DESCRIBED ON THE PLANS AND IN NHSMM VOL. 3. TO PREVENT MIGRATION OF MATERIAL BEYOND THE MIMEDIATE CONFINES OF THE STOCKPILE.
 IMPLEMENT WIND EROSION CONTROL PRACTICES AS APPROPRIATE ON ALL STOCKPILED MATERIAL
 FLACE BAGGED MATERIALS ON PALLETS OR UNDERCOVER.

FILE NO. 154 PLAN NO. C-3059

DWG NO 17233/SP-3

PROTECTION OF INACTIVE STOCKPILES:

1. INACTIVE SOIL STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR PROTECTED WITH SOIL STABILIZATION MEASURES (TEMPORANT SEED AND MULCH OR OTHER TEMPORANT STABILIZATION PRACTICE) AND TEMPORANT PROTECTED SERVING HEAVENING SAMPLES (I.E. SILT PENCE, ETC.) AT ALL TIMES.

2. INACTIVE STOCKPILES OF CONCRETE RUBBLE, ASPHALT CONCRETE RUBBLE, AGGRECATE MATERIALS, AND SIMILAR MATERIALS SHALL BE PROTECTED WITH TEMPORANT SEDIMENT PEDIMETER BARRIERS (I.E. SILT PENCE, ETC.) AT ALL TIMES. IF THE MATERIALS ARE SOURCE OF DUST, THEY SHALL ALSO BE CONTROLLED.

PROTECTION OF ACTIVE STOCKPILES: 1. ALL STOCKPILES SHALL BE SURROUNDED WITH TEMPORARY LINEAR SEDIMENT BARRIERS (I.E. SILT FENCEL ETC.) PRIOR TO THE ONSET OF PRECEPITATION. PERMETER BARRIERS SHALL BE MANTANED AT ALL TIMES, AND INTEGRITY OF THE BARRIER SHALL BE INSPECTED AT THE END OF FACH WORKING DAY, WHEN A STORM IS PRECIPICATED, STOCKPILES SHALL BE PROTECTED WITH AN ANCHORED PROTECTIVE COVERNO.

PERMANENT VEGETATION:

SITE PREPARATION:

DISTAL RECEIPT EROSION AND SEDMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DISTAL RECEIPT TRAPS.

GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCKORING.

RUNGEY SHALL BE DIVERTIDE FROM THE SEEDBED AREA.

ON SLOPES 4:1 OR STEEPER, THE RINAL PREPARATION SHALL INCLUDE CREATING HORIZONTAL ORGONES PREPROBLICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE

SETDIED PERPARATION:

1. WORK LIME AND FIRITUIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC. SPRING TOOTH MARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OPPRATION SHALL BE ON THE CENTRAL CONTOUR. CONTINUE ILLACE UNIT. A HARROWING OPPRATION SHALL BE ON THE CENTRAL BUT CLAY AND SILT SOILS SHALL BE ROLLED TO FIRM THE SEDDED WHEREVER FEASIBLE.

2. REMOVE FROM THE SURFACE ALL STONES ZINCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CASEL, TIER ROOTS, CONCRETE CLOOS, LUMPS, TRASH OR OTHER UNSUITABLE MATERIAL.

3. INSPECT SEEDBED JUST BEFORE, SEEDING. IF TRAFFIC MAS LEFT THE SOIL COMPACTED; THE WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPPRATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER. HILLE AND SEED.

5. IF APPLICABLE, PERTILIZER AND ORGANIC SOIL ARENDMENTS SHALL BE APPLIED DURING THE GROWNS SEASON.

GROWNG SEASON.

APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER SHALL BE RESTRICTED TO LIME. WOOD ASH OR LOW PHOSPHATE AND SLOW RELEASE NITROGEN VARIETIES, UNLESS A SOIL TEST WARRANTS OTHERWISE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARRABLES STEES, OR WHERE TIMING IS CRITICAL FERTILIZER AND LIMESTONE MAY BE APPLIED AT THE FOLLOWING RATES:

LIMESTONE APPLICATION RATE = 3 TONS/ACRE (138 LB./1,000-SF)*
*EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE

FERTILIZER APPLICATION RATE = 870 LB./ACRE (20 LB./1.000-SF)*
*LOW PHOSPHATE FERTILIZER (6-0-4) OR EQUIVALENT

SEDIMO:

MOCULANT ALL LEGIME SEED WITH THE CORRECT TYPE OF INOCULANT.

MOCULANT ALL LEGIME SEED WITH THE CORRECT TYPE OF INOCULANT.

MOCULANT SEED UNFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR

HYDROSEEDER SCLURRY INCLUDING SEED AND FERTILIZED, NORMAL SEEDING DEPTH IS FROM

1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE.

WHERE FERSIBLE EXZEPT WHERE ETHER CULTIPACKER TYPE SEEDER OR HYDROSEEDING SURFACE.

USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR

1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. WHERE PEASIBLE EXCEPT WHERE ETHER CULTRACKER TYPE SEEDER OR HYDROSEEDING SUSCI, THE SEEDING SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEGUMES. SPRING SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO PIRST KILING FROST. WHEN CROWN VETCH IS SEEDING CANNOT BE COMPLETED 45 DAYS PRIOR TO PIRST KILING FROST. WHEN CROWN VETCH IS SEEDING CANNOT BE COMPLETED THE SEED SHALL BE HARD SEED (MASCHAPPIED). IN SEEDING CANNOT BE COMPLETED THE SEED SHALL BE HARD SEED (MASCHAPPIED). HE SEEDING CANNOT BE COMPLETED THE SEED SHALL BE HARD SEEDING CONTROLL THE NOTE OF COMPLETED SEEDING PRIOR MILES ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE MISSIA, VOL. 3.

VECETATED GROWTH COVERING AT LEST BESK OF THE DISTURBED AREA SHALL BE ACHIEVED PRIOR TO COVERN AT LEST BESK OF THE DISTURBED AREA SHALL BE ACHIEVED PRIOR TO COTORSE 15. IF THIS CONDITION IS NOT ACHIEVED, IMPLEMENT OTHER TEMPORARY STABILIZATION MEASURES FOR OVER WINTER PROTECTION.

MORROSEDING:

1. WHEN HOROSEDING (HYDRAULC APPLICATION), PREPARE THE SEEDBED AS SPECIFIED ABOVE OR BY HAND RANING TO LOOSEN AND SMOOTH THE SOIL AND REMOVE SURFACE STONES LARGER THAN 2 INCHES IN DIAMETER.

2. SLOPES BUST SE NO STEEPER THAN 2:1 (2 FEET HORIZONTALLY BY 1 FOOT VERTICALLY,

3. LIAKE AND FERTILZER MAY SE APPLIED SIMULTAHEOUSLY WITH THE SEED, THE USE OF FISER MULCH ON CRITICAL RAPES IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). BETTER PROTECTION IS CAINED BY USING STRAW MULCH AND HIJDING IT WITH ARCHIVE AND AND STRAW BY HAVE AND HIJDING IT WITH ARCHIVE AND RAYES WASTER INCREASED BY 10% WHEN HYDROSEDING.

- MAINTIANCE REQUIREMENTS.

 1. PERMANENT SECDED AREAS SHALL BE INSPECTED AT LEAST MONTHLY DURING THE COURSE OF CONSTRUCTION. INSPECTION, MAINTENANCE AND CORRECTIVE ACTIONS SHALL CONTINUE UNTIL THE OWNER ASSUMES PERMANENT OFERATION OF THE STE.

 2. SECRED AREAS SHALL BE MOVED AS REQUIRED TO MAINTIAN A FEATHY STAIN OF SECRED AREAS SHALL BE MOVED AS REQUIRED TO MAINTIAN OF CARSO COVER.

 3. BASED ON INSPECTION, AREAS SHALL BE RESERVED TO ACHIEVE PULL STABILIZATION OF EXPOSED SOILS.

 4. AT A MINIMUM 85% OF THE SOIL SURFACE SHALL BE COVERED BY VECETATION. IN FAVE WOODENCE OF EROSON ON SEDIENDATION OF SEMENT SHALL BE MADE AND AREAS SHALL BE RESERVED. TO ACHIEVE PULL STABILIZATION OF PROVIDE EXPOSED ON SEMENTAL BE COVERED BY VECETATION. AND AREAS SHALL BE RESERVED. WITH OTHER TEACHPRIANT PREVAILS SHALL BE MADE AND AREAS SHALL BE RESERVED. WITH OTHER TEACHPRIANT PREVAILS SHALL BE MADE AND AREAS SHALL BE RESERVED.

PERMANENT VEGETATION SEEDING RECOMMENDATIONS

USE	MIXTURE	SPECIES	LBS./ACRE	LBS./ 1,000-SF
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY RECREATION SITES	A	TALL FESCUE CREEPING RED FESCUE REDITOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL ESSENTIAL, FOR GOOD TURF)	F	CREEPING RED FESCUE KENTUCKY BLUEGRASS TOTAL	50 50 100	1.15 1.15 2.30

PSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3, TABLES 4-2 AND 4-3

MINNICK, E.L. AND H.T. MARSHALL, (AUGUST 1992)

GENERAL CONSTRUCTION PHASING:

STABILIZATION:
A STE IS DEEMED STABILIZED WHEN IT IS IN A CONDITION IN WHICH THE SOIL, ON STE WILL, NOT EXPERIENCE ACCELERATED OR UNMATURAL EROSION UNDER THE CONDITIONS OF A 10-YEAR STORM EVENT, SUCH AS BUT NOT LIMITED TO:

CONDITIONS OF A 10-YEAR STORM EVENT, SUCH AS BUT NOT LIMITED TO:

A) IN AREAS THAT WILL NOT BE PAVED;

0) A MINIMUM OF BSK VEGETATIVE COVER HAS BEEN ESTABLISHED;

b) A MINIMUM OF 3-INCHES OF NON-PERSON'E MATREMIL SUCH AS STONE OR A
CERTIFIED COMPOST BLANKET HAS BEEN INSTALLED, OR;

c) EROSION CONTROL BEHANKET HAVE BEEN INSTALLED,

B) AN AREAS TO BE PAVED;

0) BASE COURSE CRAVELS HAVE BEEN INSTALLED.

TEMPORARY STABLIZATION:
ALL AREAS OF EMPOSED OR DISTURBED SOIL SHALL BE TEMPORARILY STABLIZED AS
SOON AS PRACTICABLE BUT NO LATER THAN 45 DAYS FROM THE TIME OF INITIAL
DISTURBANCE, UNLESS A SHORTER THAE S'SPECIFIED BY LOCAL AUTHORITIES, THE
CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN
INDEPENDENT MONITOR.

CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT OR AN INDEPENDENT MONTOR.
PERMANENT STABILIZATION:
ALL AREA OF EDIFOSED OR DISTURBED SOIL SHALL BE PERMANENTLY STABILIZED AS SOON AS PRACTICABLE BUT NO LATER THAN 3 DAYS FOLLOWING FIRM GRADING.
THE SMALLEST PROCEDULA AREA SHALL BE DISTURBED URING CONSTRUCTION, BUT IN NO CASE IN OMER HAND S AGRES SHALL BE DISTURBED (NOT STABILIZED) AT ANY NO CASE NO MORE THAN 3 CARTES SHALL BE DISTURBED (NOT STABILIZED) AT ANY

ONLY DISTURB, CLEAR, OR GRADE AREAS NECESSARY FOR CONSTRUCTION.

ONLY DISTURB, CLEAR, OR GRADE AREAS NECESSARY FOR CONSTRUCTION, A) FLAG OR OTHERWISE DELINEATE AREAS BUT TO BE DISTURBED.

8) EXCLUDE VEHICLES AND CONSTRUCTION EQUIPMENT FROM THESE AREAS TO PRESENTE NATURAL VEGETATION,

5. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED EXAMINE AND EXEMPTION IN ACCORDANCE WITH THE APPROVED AND MEDICAL AND SEMBLAT CONTROL PRICINCES AND MEASURES SHALL BE ALL REGISTED AND SEMBLAT CONTROL PRICINCES AND MEASURES SHALL BE EXCENSIVE AND SEMBLAT CONTROL FRANCESCONDANCE SHATE APPROVED EXCENSIVE AND MEASURES SHALL BE STACKPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND SEDICATED FOR THE STACKPLED OF SEMBLAT OF VEGETATION SHALL BE STOCKPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND SE PROTECTED FROM EROSIN STOCKPLES FOR THE STACKPLED OF SEMBLATED AND SECRETARY OF SEMBLATED SHALL BE STACKPLED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND SE PROTECTED FROM EROSIN STOCKPLES, BORROW AREAS AND SPOILS SHALL BE STABILIZED AS DESCRIBED UNDER "SQUI, STOCKPILE, BRACTICES."

3. STIDKFELES, CORROW AREAS AND SPOILS SHALL BE STABILIZED AS DESCRIBED UNDER "SOLL STOCKPILE PRACTICES".

3. SLOPE'S SHALL NOT BE CREATED SO CLOSE TO PROPERTY LIBES AS TO ENDANGER ADJUSTINES PROPERTIES WITHOUT ADEQUATE PROTECTION AGAINST SEDIMENTATION, EDOSION, SUPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED DAMAGE.

3. REAS SHALL BE FLUED SHALL BE CLEARED, CRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND/OR OTHER OBJECTIONABLE MATERIALS. AREAS SHALL BE SCAMPIED TO A MINIMAL BEPTH OF 3-INCHES PRIOR TO COMPACTION TO PROVIDE A LOOSE BEDDING FOR PLACEMENT OF SEED.

2. ALL FILLS SHALL BE COMPACTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS TO REDUCE EROSION, SUPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INFORMATION TO SUPPORT BUILDINGS, STRUCTURES, SIE UTILITIES, CONDUITS AND OTHER FACILITIES, SHALL BE COMPACTED IN LAYERS RANGING FROM 6 TO 24 NICHES IN THICKNESS. THE CONTRACTION IN LAYERS RANGING FROM 6 TO 24 NICHES IN THICKNESS. THE CONTRACTION SHALL REVIEW THE PROJECT OF SPECIFIC PLASSING HONOR OF THE SPECIFIC GUIDANCE.

4. ANY AND ALL FILL MATERIAL, SHALL BE FREE OF BRUSH, RUBBISH, ROCKS (LARCER

GEOTECHNICAL REPORT AND/OR THE "PERJECT SPECIFIC PHASING NOTES" FOR SPECIFIC GUIDANCE.

14. ANY AND ALL FILL MATERIAL, SHALL BE FREE OF BRUSH, RUBBISH, ROCKS (LARGER THAN JA' HTG DEPTH OF THE UFT BEING INSTALLED), LOGS, STUMPS, BUILDING DEBTS, FROZEN MATERIAL, AND OTHER GBLECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY LETS.

15. FROZEN MATERIAL, OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE (I.E. CLAY, SILT) MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE (I.E. CLAY, SILT) MATERIAL MES SUSCEPTIBLE CHACLE FROM THE STELL SHEET AND FORTERING.

I.E. THE OUTER FACE OF THE FILL SLOPE SHALL BE ALLOWED TO STAY LOOSE, NOT ROLLED OR COMPACTED, OR BLADE SMOOTHED. A BULLDOZER MAY RUIN UP AND DOWN THE FILL SLOPE STREAMS (LETH TRACKS) CREATE GROOVES PERPENDICULAR TO THE SLOPE. IF THE SOIL IS NOT TOO MOIST, EXCESSIVE COMPACTION WILL NOT OCCUR. SEE "SURFAGE, RUBBERING." IN THE HISSIAM, VOL.3.

DOWN THE FILL SLOPE SO THE SCIPE IF THE SOIL IS NOT TOO MOIST, EXCESSIVE PEPPENDICULAR TO THE SLIPE IF THE SOIL IS NOT TOO MOIST, EXCESSIVE COMPACTION WILL NOT OCCUR. SEE "SURFACE ROLIGHENING" IN THE NIFSKIM, VOL.3. TO COMPACTION THE SURFACE OF ALL SLOPES DURING THE CONSTRUCTION OPERATION TO MOIST STATEMENT OF PERPENDING PEPPENDING TO PEPPENDING TO SERVICE STATEMENT OF PEPPENDING PEPPENDING SERVICES, OR COMPOUR FURROWS AS APPROPRIATE TO REQUEE THE LENGTH OF CUT-FILL SLOPES TO LIMIT SHEET AND RILL PROSION AND PREVENT GULLY EROSION. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF CONSTRUCTION.

19. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION. SHALL BE EVALUATED BY A PROPESSIONAL EDIMENEER (PREPERABLY THE DESION ENGINEER) TO DETERMINE IF THE PROPOSED DESION SHALL BE REVISED TO PROPERLY MANAGE THE CONDITION. COMPOST BLANKET, OR OTHER GROUND COVER AS SOON AS GRADING IS COMPLETE OR IF WORK IS INTERPRIPED FOR ZI WORKING DAYS OR MORE. USE MILLCH OR OWNERS OF THE PERMINSIPE STAND SHALL BE PERMANEETH OF THE PROPESSIONAL EDITIONS TO STABILIZE AREAS TEMPORARILY WHERE FIRM, GRUDNIC STANDED CRADING.

21. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY POLLOWING FINISHED GRADING.

CIVIL ENGINEERS

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



PROJECT SPECIFIC **CONSTRUCTION PHASING:**

REFER TO THE "GENERAL CONSTRUCTION PHASING" NOTES PRIOR TO COMMENCING CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING PHASING. THE "GENERAL CONSTRUCTION PHASING" NOTES APPLY TO THE OVERALL CONSTRUCTION AND SHALL BE ADMERCED TO.

COMMENCING CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING PHASING, THE TEXT SEPENT CONSTRUCTION PASSING, TO PASSING, AND SHALL BE ADDRESS TO.

INSTALL ALL TEAPORARY SEDIMENT CONTROL BARRIERS (L.S. SLT FENCE, EROSION CONTROL MIX BERM, STONE CHECK DAMS, ETC.). ANOUND THE OUTER PERMIETE OF THE CONSTRUCTION SITE AS DEPICTED ON SHEEL CONTROL CHECK DAMS, ETC.). ANOUND THE OUTER PERMIETE OF THE INSTITUTION OF THE SHORT STRUCTURE AND SHEEL CASE, INSTALL, DRANGE CONSTRUCTION ABOUND THE PERMIETE OF THE INSTITUTION BASINS AND THE FENCE SHALL RELIAN IN PLACE UNTIL CONSTRUCTION OF THE SINSIN SINS SHATED.

4. CLEAR, CRUB AND STRIP THE SITE. STUMPS, BRUSH AND OTHER ORGANIC WASTE SHALL BE DISSIPOSED OF OFF-SITE IN ACCORDANCE WITH STATE AND LOCKED AND STRUCTION OF THE DEPOCHMENT OF THE INSTITUTION DETAIL OR SHORT WITH STATE AND LOCKED AND STRUCTION OF THE PROPOSED PROPOSED OF OFF-SITE IN ACCORDANCE WITH STATE AND LOCKED AND STRUCTION OF THE PROPOSED PROPOSED OF OFF-SITE IN ACCORDANCE WITH STATE AND LOCKED AND STRUCTION EXIT OF THE INSTITUTION OF THE PROPOSED PROPOSED AND STRUCTION EXIT OF THE INSTITUTION EXIT DETAIL.

5. STOCKINE ESTREPPED TOPSOIL AND CUT MATERIAL, TO BE REUSED ON SITE IN AN APPROPRIATE LOCATION IN ACCORDANCE WITH THE "SOIL STOCKPILES STOCKPILE SHAPPED TOPSOIL AND CUT MATERIAL, TO BE REUSED ON SITE IN AN APPROPRIATE LOCATION IN ACCORDANCE WITH THE "SOIL STOCKPILES".

5. STOCKPILE PRACTICES.*

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5. STOCKPILE PROPOSED OF STOCKPILES SO DIRECTED BY THE TEMPORARY CONSTRUCTION EXIT OF THE PROPOSED OF THE BASIN AS DIRECTED IN ACCORDANCE WITH THE SIDE. STOCKPILES SOURCE OF THE BASIN AS DIRECTED IN THE SIDE SUPPES OF THE BASIN AS DIRECTED IN THE SIDE SUPPES OF THE BASIN AS DIRECTED IN THE MILITARION BASIN SEDIMENT FOREBAY AND COLORED PROPOSED OF THE BASIN AS DIRECTED IN THE SIDE SUPPES OF THE BASIN AS DIRECTED IN THE SIDE SUPPES OF THE BASIN AS DIRECTED IN THE SIDE SUPPES OF THE BASIN AS DIRECTED IN THE SIDE SUPPES OF THE BASIN AS DIRECTED IN THE SIDE SAMBLE SAMBLE SAMBLE

INFILITATION BASIN DETAILS AND TEMPORARY ESTABLEN. CONTROL BARNILE REPORTED ON BELLECOPED AND LAWN AREAS NOT TO BE PAVED SHALL BE LOAMED AND SEEDED FOR PERMANENT VECETATION AND STABILIZATION AS DESCRIBED UNDER THE "FERMANENT VECETATION AND STABILIZATION AS DESCRIBED UNDER THE "FERMANENT VECETATION AND STABILIZATION AS DESCRIBED UNDER THE "FERMANENT VECETATION AND ANTERIALS WITHIN 3 DAYS OF ACHIEVED AND REAL SEASON OF THE PARKING AREA AS SPECIFIED IN THE CORRESPONDING DETAILS. IN THE PARKING AREA AS SPECIFIED IN THE CORRESPONDING DETAILS. IN THE PARKING AREA AS SPECIFIED IN THE CORRESPONDING DETAILS. IN THE PARKING AREA AS SPECIFIED IN THE CORRESPONDING DETAILS. IN THE PARKING AREA AS INCLUDED (CONSTRUCTED TO GRAVEL BASE COURSE) WITHIN 3 DAYS OF ACHIEVING FIRSTED SUBGRADE ELEVATIONS.

16. THE PARKING AREAS SHALL BE STABLIZED (CONSTRUCTED TO GRAVEL BASE COURSE) WITHIN 3 DAYS OF ACHIEVING FINISHED SUBGRADE ELEVATIONS.

17. INSTALL PAVEMENT SURFACES AS SOON AS POSSIBLE AFTER THE INSTALLATION OF THE GRAVEL BASE AND GRUSHED GRAVEL, IN GOODER TO INSTALLATION OF THE GRAVEL BASE AND GRUSHED GRAVEL, IN GOODER TO INSTALLATION OF THE GRAVEL BASE AND LABOUR TO INSTALLATION OF THE GRAVEL BELIEF UNPROTECTED THROUGH DUT THE WINNER WONTHS.

18. ALL DISTURBED AREAS SHALL BE STABLIZED AS SOON AS POSSIBLE. IN NO CASE SHALL ANY DISTURBED AREA BE LEFT UN-STABLIZED FOR LONGER THAN 2 DAYS. IF NECESSARY TEMPORARY STABLIZATION HOUSE THAN 2 DAYS. IF NECESSARY TEMPORARY STABLIZATION HOUSE. AND INSUMA, VOL. 3 MOULD BE EMPLOYED CONSTRUCTION PHABING MOTIES! AND INSUMA, VOL. 3 MOULD BE EMPLOYED. SHOWN THE SEMBENT.

1. DURING CONSTRUCTION ALL TEMPORARY AND PERMANENT SEDIMENT. BROSON CONTROL AND STORMWARE MANAGEMENT PRACTICES SHOULD BE RESOLDED BY THE STABLIZED FOR EACH PRACTICE.

2. EXCESS SEGNIBITY SHOULD BE REMOVED PROVE DEPORARY. AND ANNUALLY. SECOND CONTROL AND STORMWARE PRACTICES.

3. ALL DAMAGED TEMPORARY AND PERMANENT SEDIMENT, RESOLUTION.

4. SEDIMENT SHALL BE DISPOSED OF PROPERLY ETHER ON SITE OR OFF SITE. PROJECT COMPLETION, MO STABLIZATION.

1. UPON PROJECT COMPLETION, ONCE THE SITE IS DEEMED TABLIZED (VECETARION IS GERMANTED). THE PERPORARY SEDIMENT COMPLETION. APPROPRIATE BEAUNISTO. HE PERPORARY SEDIMENT COMPLETION. APPROPRIATE MANAGEMENT PRACTICES SHOULD BE REPARRED OR APPROPRIATE SEDIMENT CONTROL AND STABLIZATION.

1. UPON PROJECT COMPLETION, ONCE THE SITE IS DEEMED BE REPARRED OR APPROPRIATE MANAGEMENT PRACTICES SHOULD BE REPARRED OR APPROPRIATE SEDIMENT CONTROL PRACTICES SHOULD BE REPARRED OR APPROPRIATE SEDIMENT SOUNDS.

WINTER STABILIZATION & **CONSTRUCTION PRACTICES:**

MANTENANCE REQUIREMENTS:

1. MANTENANCE MEASURES SHALL BE PERFORMED THROUGHOUT CONSTRUCTION, INCLUDING OVER THE WINTER PERIOD. AFTER EACH RAINFALL, SMOWSTORM, OR PERIOD OF THAWING AND RUNOFF, THE STE CONTRACTOR SHALL CONDUCT INSPECTION OF ALL INSTALLED EROSING CONTROL PRACTICES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTROL PRACTICES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTROL PRACTICES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTROL PRACTICES AND PERFORM OF EMBASS AND REPAIR AND ADMAGED AREAS OR BARE SPOTS AND RESEED AS REQUIRED TO ACHIEVE AN ESTABLISHED VECETATIVE COVER (AT LEAST 85% OF AREA VECETATED WITH HEALTHY, VIGOROUS GROWTH.)

VEGETATION AND REPAIR ANY DAMAGED AREAS OR BARE SPOTTS AND RESERVE AS REQUIRED TO ACHIEVE AM ESTABLISHED VEGETATIVE COVER (AT LEAST 65% OF AREA VEGETATED WITH HEALTHY, VIGOROUS GROWTH.)

INCOMPANY OF A PROPERTY OF THE VIGOROUS GROWTH.)

1. THE AREA OF EXPOSED, UNIVERSITY OF THE PROPERTY OF THE PROPERT

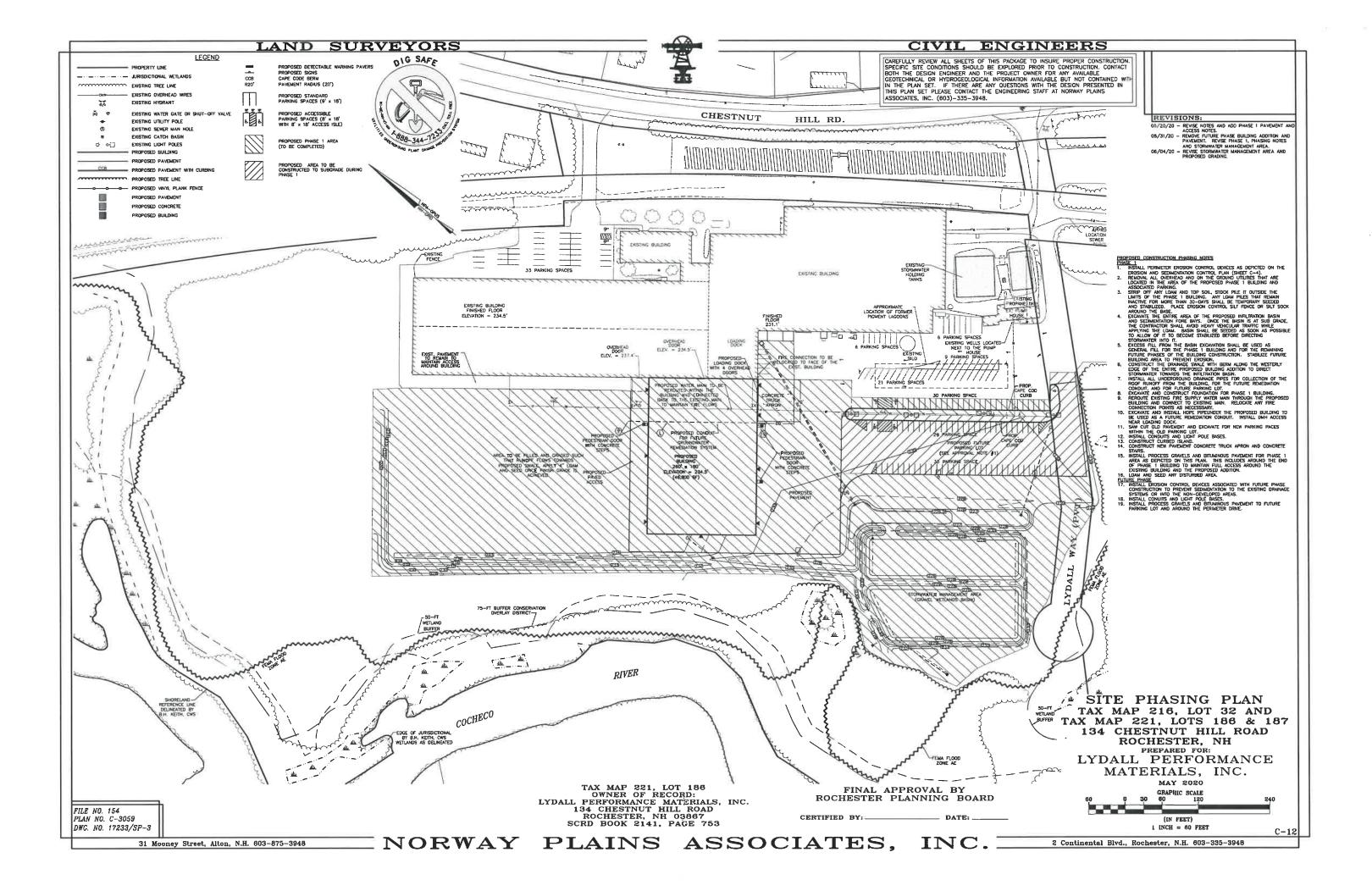
PERMANENT EROSION & SEDIMENTATION CONTROL DETAILS

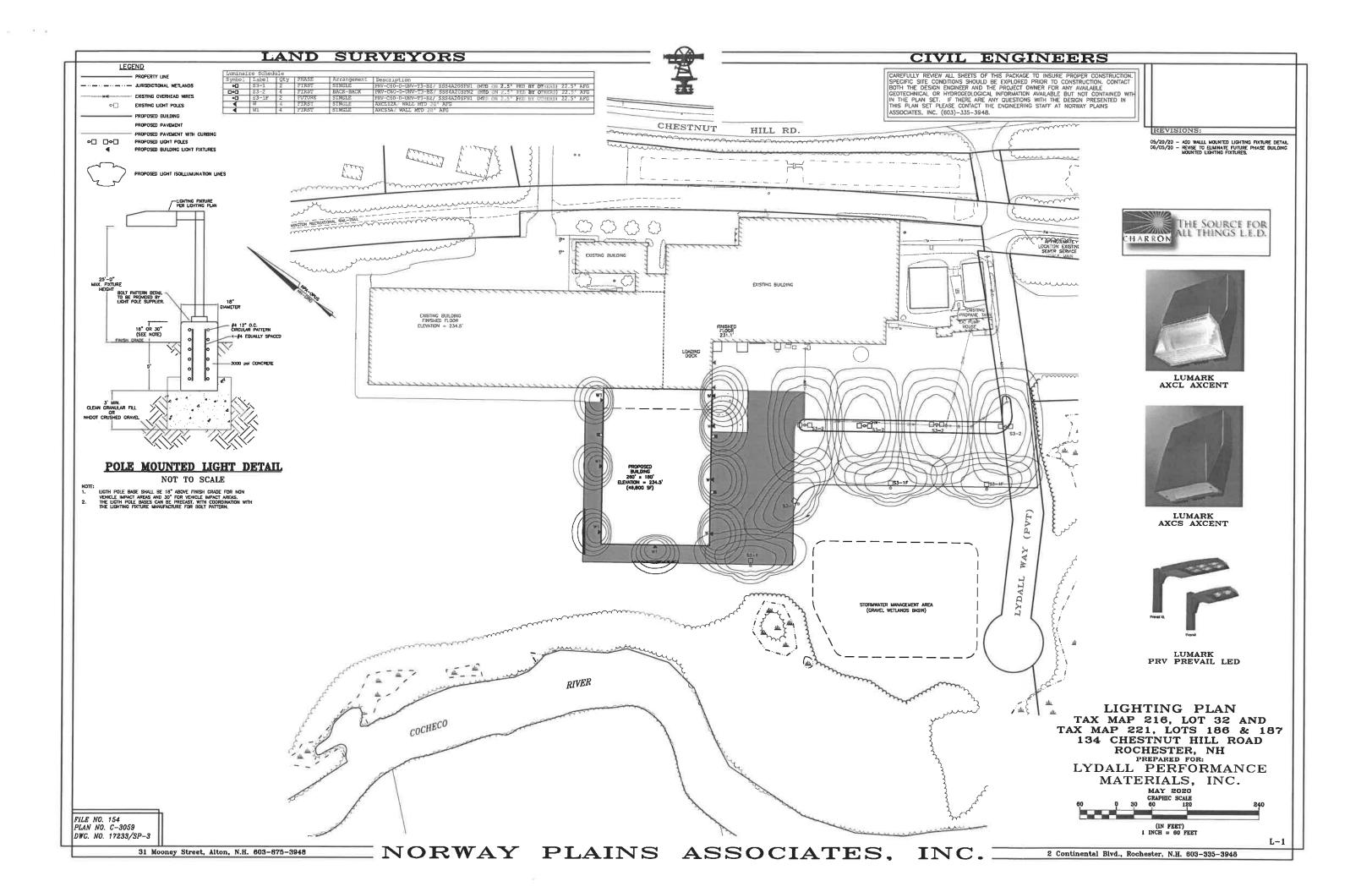
TAX MAP 216, LOT 32 AND TAX MAP 221, LOTS 186 & 187 134 CHESTNUT HILL ROAD ROCHESTER, NH PREPARED FOR:

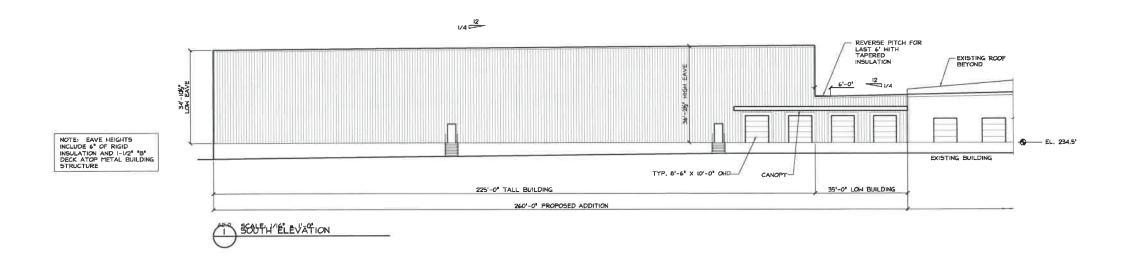
LYDALL PERFORMANCE MATERIALS, INC.

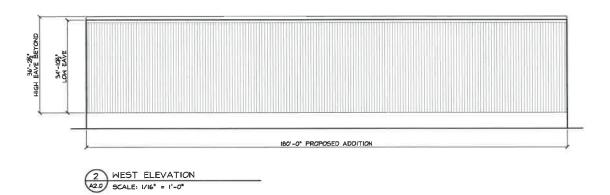
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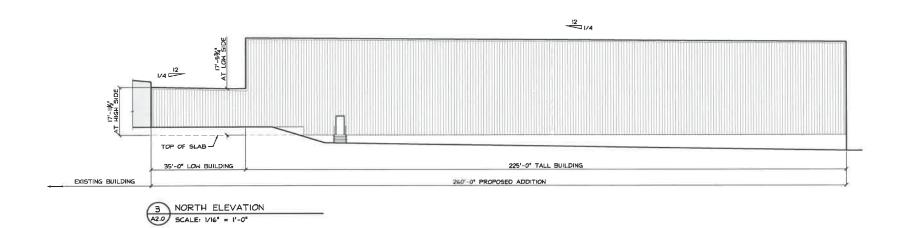
2 Continental Blvd., Rochester, N.H. 603-335-3948











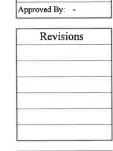


Client:
Budel Construction
Meaderboro Rd.
Rochester, NH

Addition to Lydall Performance Materials
134 Chestnut Hill Road
Rochester, NH

-Preliminary-Not for Construction 06-10-2020

Date:	¥
Scale:	As Noted
Design By:	RB



Elevations

A2.0