

TOWNOFMILFORD,NH OFFICEOFCOMMUNITYDEVELOPMENT

1 UNION SQUARE, MILFORD, NH 03055

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STAFF MEMO

Date: August 23, 2018

To: Town of Milford Planning Board

From: Lincoln Daley, Community Development Director

Subject: Hitchiner Manufacturing, Inc., 594 Elm Street, Tax Map 13, Lot 6 and 97 Old Wilton Road, Tax Map 14, Lot 6. Public Hearing for an amendment to the major site plan approved on May 22, 2018, for the construction of an 85,000 square foot industrial manufacturing building and minor parking improvements to increase the total impervious area for a cooling tower concrete pad and associated drainage improvements within the Industrial zoning district.

BACKGROUND:

The applicant is presenting the formal amendment to the approved May 22, 2018 Site Plan Approval for the construction of an 85,000 square foot manufacturing facility on Hitchiner Way, additional parking spaces, enlarged drainage system and stormwater management system, and related landscaping and site lighting plans. The site plan approval also included the construction of a small parking area in front of the "Barn" company/private cafeteria operation located at 97 Old Wilton Road.

Since the approval, construction of the project is underway. Hitchiner has started foundation construction on the new Plant No. 3 building. They are seeking approval to (1) change from four evaporative cooling towers on a 29'x67' concrete pad (previously approved) to seven adiabatic cooling towers on a 46'x110' concrete pad (proposed revision) and (2) and adjustments to the drainage and stormwater management design and detention area resulting in a net increase of impervious area of 3,117 and 4,000 square feet to total disturbed area. This change will reduce water usage by approximately 1.5 million gallons annually.

ADDRESS:

594 Elm Street, Map 13 Lot 6.97 Old Wilton Road, Map 14 Lot 6

LOT AREA:

Lot 13-6: ±10.968 Acres (477,751SF) Lot 14-4: ±1.8 Acres (78,408SF)

APPLICATION STATUS:

The application is complete and ready to be accepted. The Board will need to make a determination of regional impact.

NOTICES:

Notices were sent to all property abutters on August 16, 2018.

ZONING DISTRICT/INFORMATION:

The subject property is within the Industrial "I" Zoning District: The intent of the Industrial "I" District is to provide areas for manufacturing, processing, assembly, wholesaling, research and development. The proposed industrial development and site improvements meet the intent of the Industrial District and meet all dimensional

requirements as stated in Section 5.06.

The property also falls within the West Elm Street Gateway District and is subject to the relevant design and performance standard relative to industrial development. The intent of this District is to encourage economic development in the West Elm Street Gateway District by enhancing, preserving and protecting the natural, historic and cultural resources of the Town. The proposal meets the intent of the District by providing a building design that is functional, aesthetically pleasing and harmonious with the architectural heritage of the community as well as providing positive economic return to the Town and property owners. The development reflects the intended character of Milford's industrial neighborhoods relative to massing, height, lot coverage, and setbacks, and enhances the streetscape and visual character of the corridor.

TRAFFIC AND ACCESS MANAGEMENT:

Vehicular egress and access to the property and new facility will be from driveways off of Hitchiner Way and Elm Street. Internal drives and parking areas provide for sufficient emergency vehicle access and circulation. Only larger delivery and transport vehicles will access/egress from the site via the Elm Street entrance. The increased area of impervious surface and drainage area will have no impact to the internal circulation patterns and access/egress from the site.

OPEN SPACE/LANDSCAPING:

With the increase in impervious area, the applicant will need to recalculate the total open space area for the property and revise the plans accordingly. Even with increase impervious area, it is anticipated that the total open space area will meet the require 30% (currently 32%).

DRAINAGE:

Although the project is not located within the 100-year flood plain as shown on the Flood Insurance Rate Map Number 330096, dated September 25, 2009, the property falls within the Milford Groundwater Protection Zone 1 Overlay.

To compensate for the increased impervious area and further encroachment on the northerly slope of the detention area by the larger pad, the applicant made some minor adjustments to the grading in the permanent pool area and moved the southerly slope of the usually dry portion of the detention 15 feet to the south to compensate for the lost volume. This is illustrated on the attached pdf's. The net result is an increase of disturbed area of 4,000 +/- SF and the peak detention basin elevation and peak rates of runoff leaving the site at the POA remaining substantially the same as the approved design.

The applicant submitted the revised plan to the NH DES for review under their approved Alteration of Terrain permit (AoT 180425-065). The NH DES has accepted the revised design and information and informed the applicant that a revised Alternation of Terrain Permit would not be required. The local stormwater permit application will need to be resubmitted to the Environmental Coordinator for review and approval.

BUILDING ELEVATIONS:

The previously approved plan included visual mitigation of the water cooling towers and pad in the form of horizontal panels. It is our understanding that the applicant will continue the same or similar visual mitigation. With the recommended enhanced landscaped design and inclusion the proposed architectural design elements, Staff finds that building meets the requirements of the Development Regulations and Zoning Ordinance.

INTERDEPARTMENTAL REVIEWS:

Ambulance: No comments.

Assessing: No comments.

Building Department: No comments

Conservation Commission: See attached May 18th letter.

Environmental Coordinator: The applicant will be required to submit a revised local stormwater permit application.

Fire Department: No comments.

Heritage Commission: No comments/issues.

Police Department: No comments submitted.

SoRLAC: No comments submitted.

Water Utilities: No comments submitted.

Zoning Administrator: No further comments.

Planning Department:

Said comments and recommendations provide an overview of areas that will be need to be addressed at the Public Hearing or shown as part of the application:

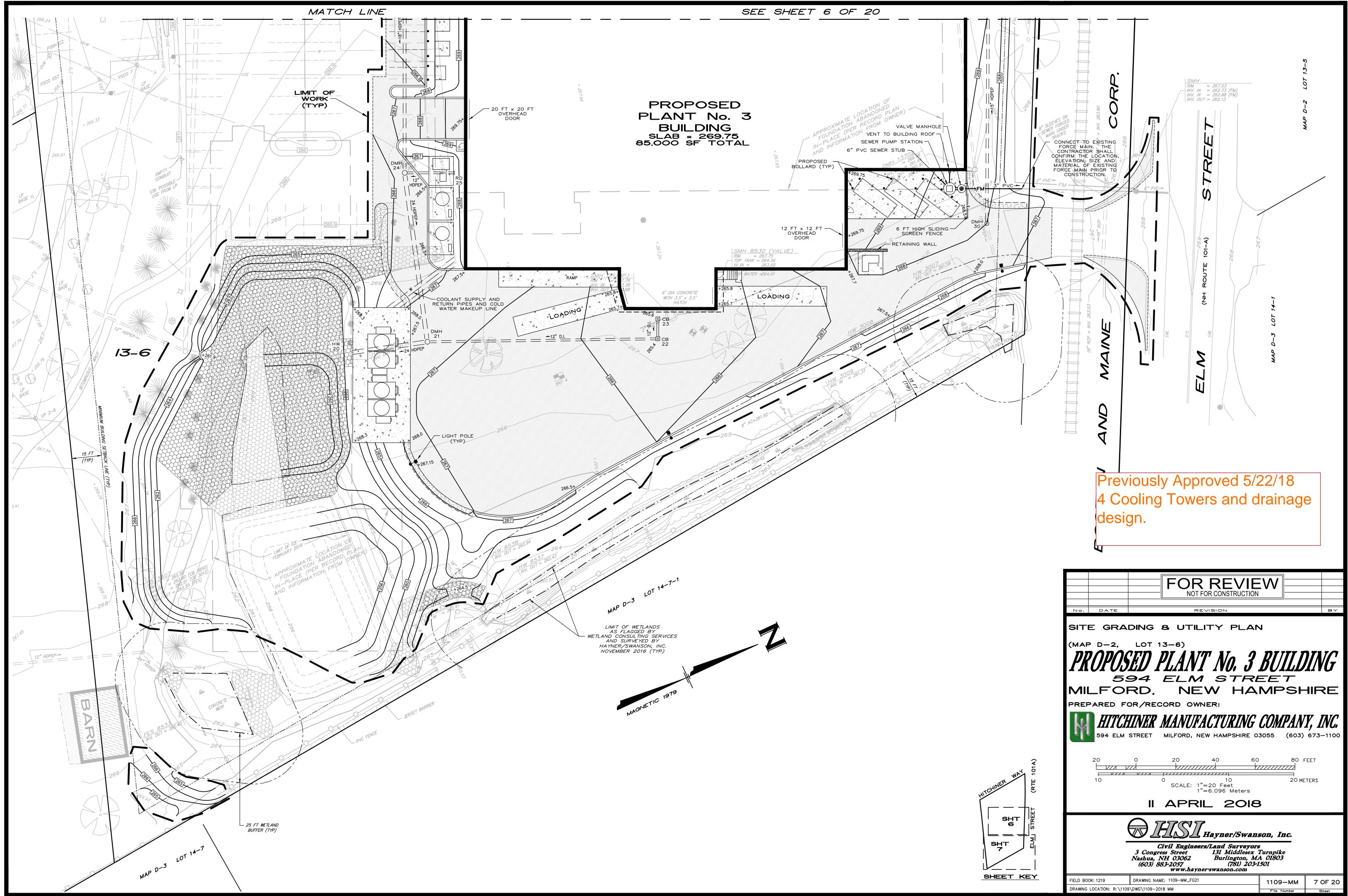
- 1. General Comment. Modify cover sheet to include both Map 13, Lot 6 and Map 16, Lot 6 in title and subsequent Sheet title blocks.
- 2. Sheet 1, Notes #4. Please amend the purpose of plan description to detail the proposed amendment(s).
- 3. Sheet 1, Notes #8. Please revise the open space calculation for Map 13 Lot 6 to include the proposed amendment. In addition, please provide the open space calculation for Map 14 Lot 6.
- 4. Sheet 9. Please revise the plan to include the engineering and construction details for the cooling town concrete pad and retaining wall.
- 5. Sheet 9. What is the distance/height from the top to the retaining wall to the grade of the riprap and retaining pond? Will a fence need to be installed for increased safety?
- 6. Sheet 9. Given the proximity of the 7 coolant towers the wetlands, detention pond, and drainage system, please explain what preventative measure/safeguards will be in place should there be spill?
- 7. Sheet 9. Please explain the reason for locating a snow storage area within the riprap area of the drainage system.
- 8. Sheet 20. Please confirm if the trees located within the riprap areas will remain (approx. 8 trees). If they are removed, please revise the landscape to show the locations of the replacement/relocated trees.
- 9. General Comment. Please detail the total area of increased disturbance associated with the amendment. In addition, a revised Milford Storwater Permit will need to be filed with the Town for review and approval.
- 10. General Comment. Please provide the revised drainage calculation and analysis report.
- 11. General Comment. Please describe the visual mitigation efforts for 7 cooling towers. We presume that the applicant will employ/utilize the previously approved method.

STAFF RECOMMENDATIONS:

The applicant should be prepared to address all of the comments raised by the Planning Board, Conservation Commission, Town Consultants, Staff, and public pertaining to the Site Plan Final Design and revise the plans/information accordingly. Barring any/all input and recommendations from the Board, Staff recommends approving the application subject to the following conditions:

1. The Applicant shall submit written confirmation of approvals local stormwater permit from NH DES and Town of Milford.

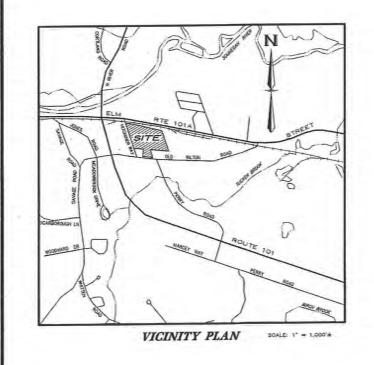
2. The Applicant shall The Applicants shall submit any/all revised plans, reports, and associated information to the Community Development Office for review and approval by the Town and its agents.



MAP D-2, LOT 13-6 SITE PLAN



ELM STREET MILFORD, NEW HAMPSHIRE



Congress Street Nashua, New Hampshire 03062-3301 Tel (603) 883-2057 Fax (603) 883-5057

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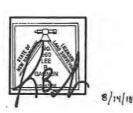
594 ELM STREET MILFORD, NEW HAMPSHIRE 03055 (603) 673-1100 www.hitchiner.com

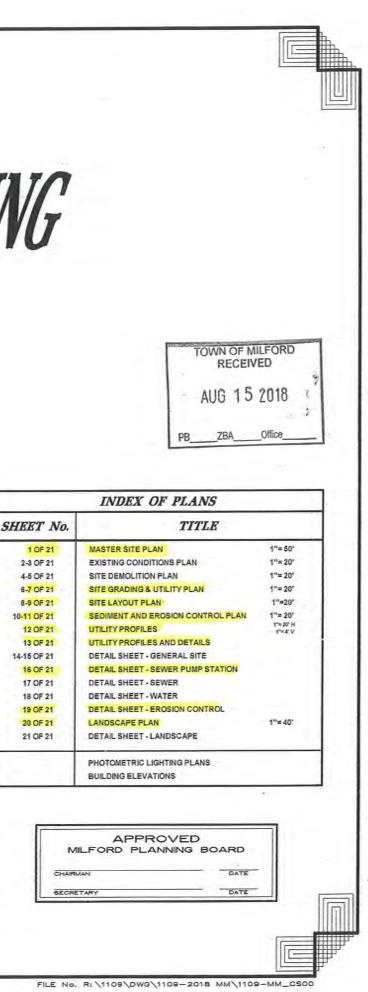
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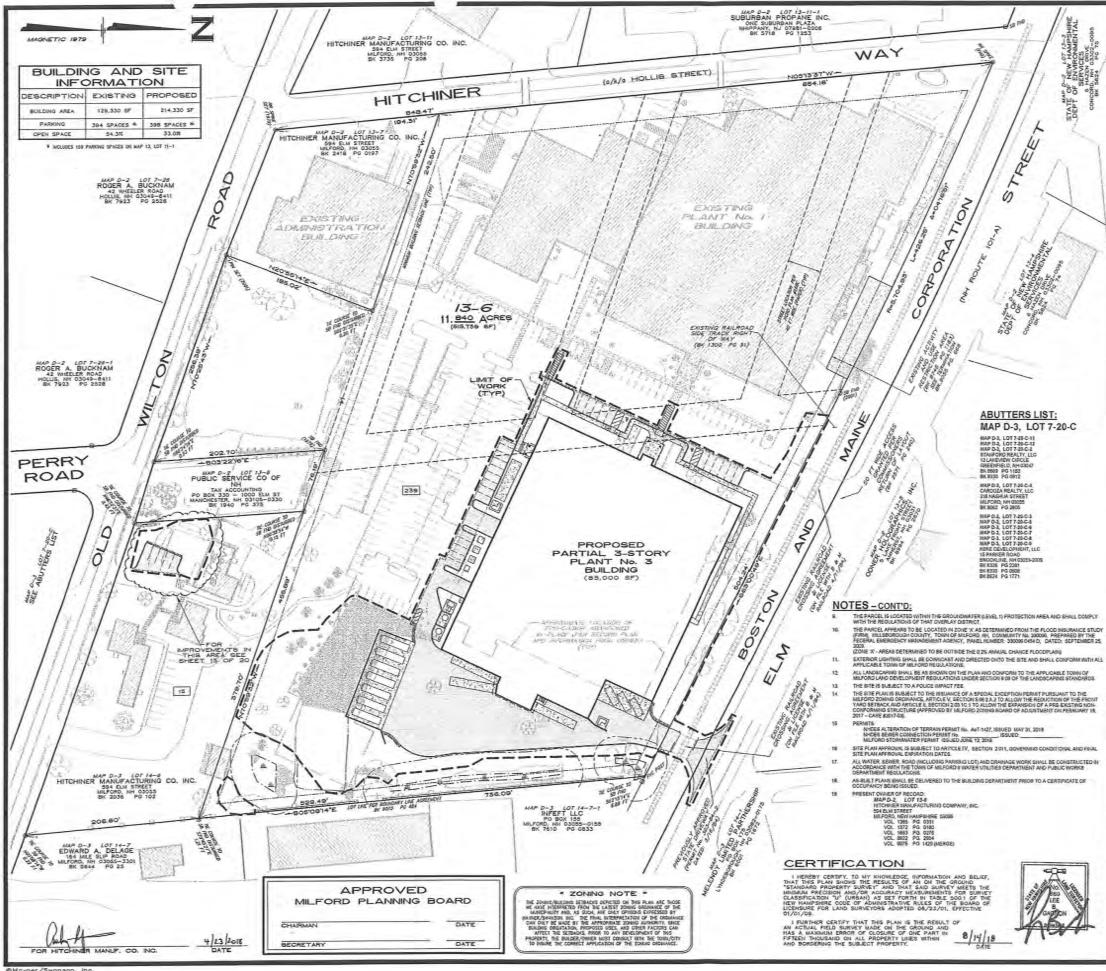


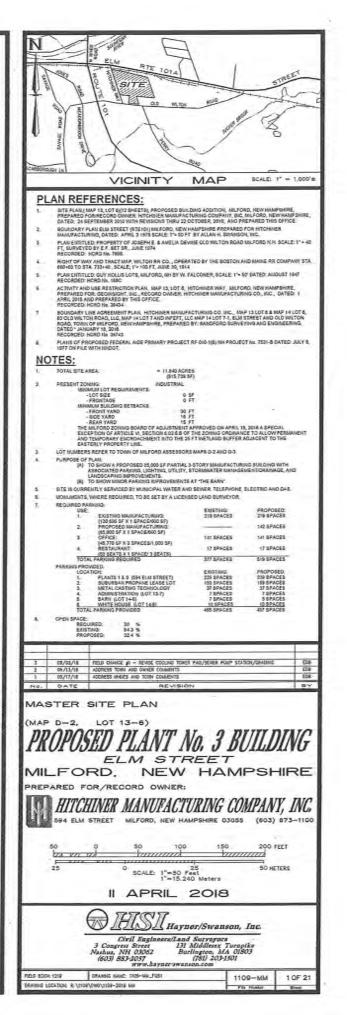
Hayner/Swanson, Inc.

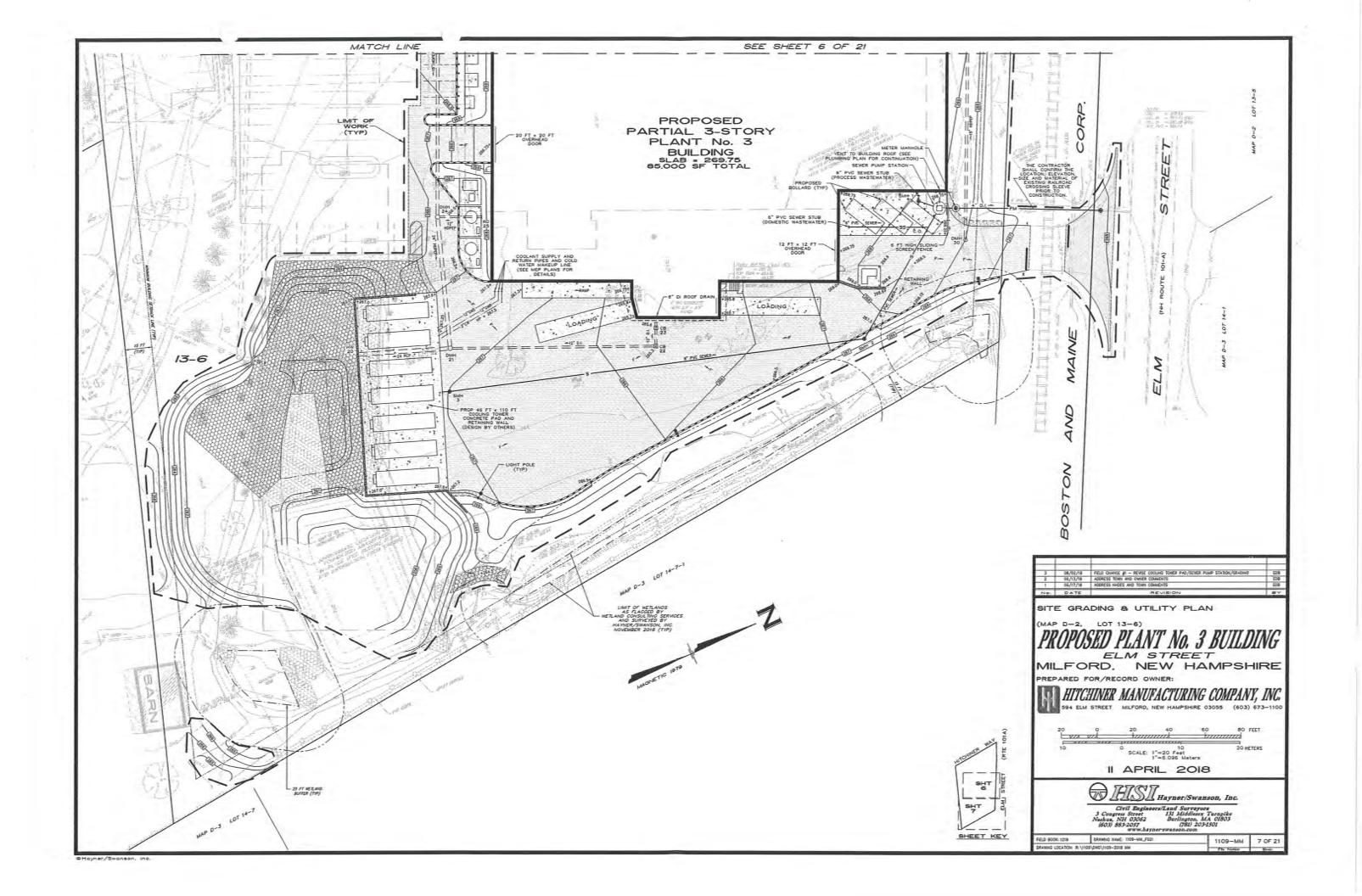
Civil Engineers/Land Surveyors 131 Middlesex Turnpike **3** Congress Street Nashua, NH 03062 Burlington, MA 01803 (781) 203-1501 (603) 883-2057 www.hayner-swanson.com

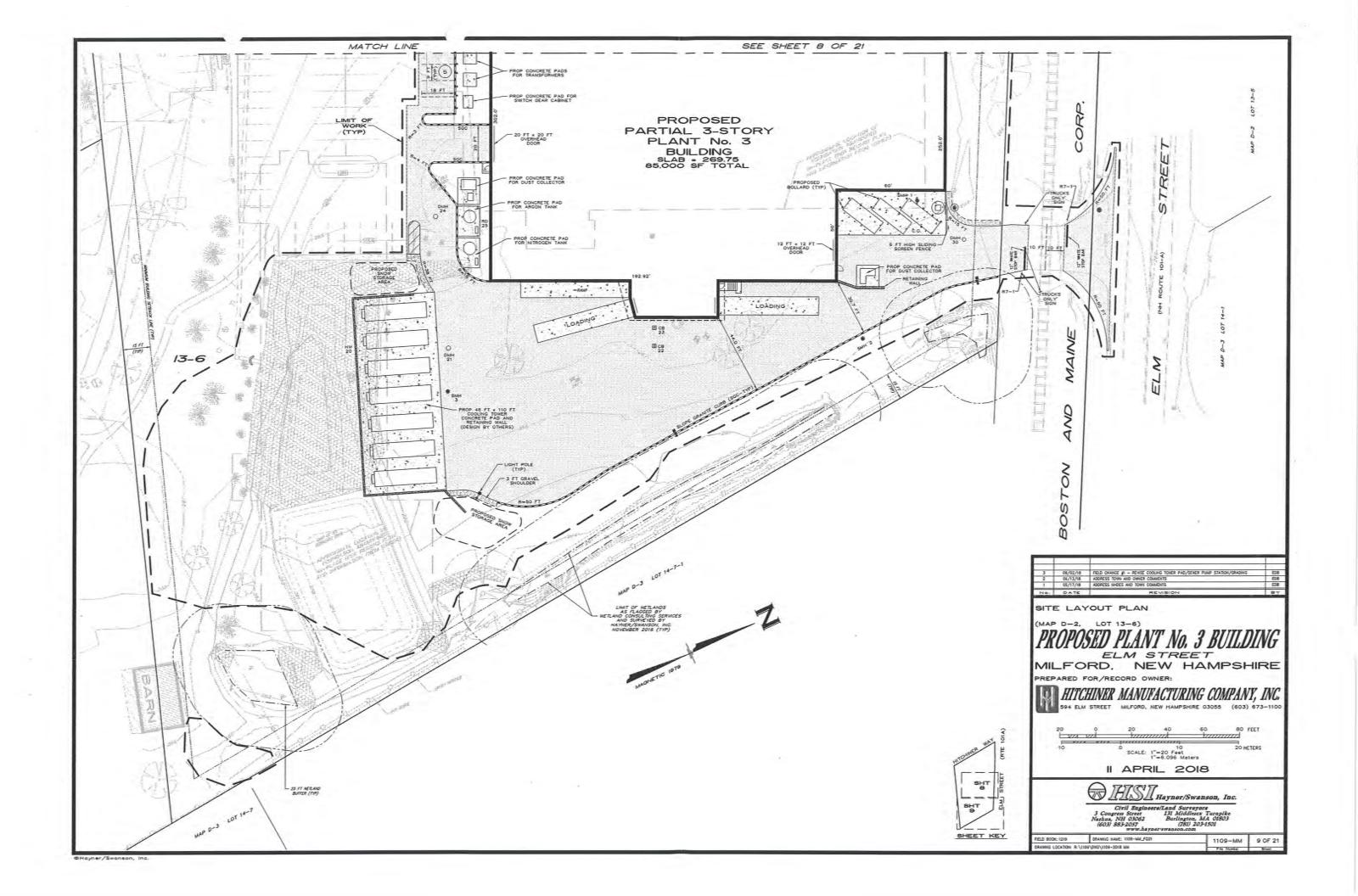


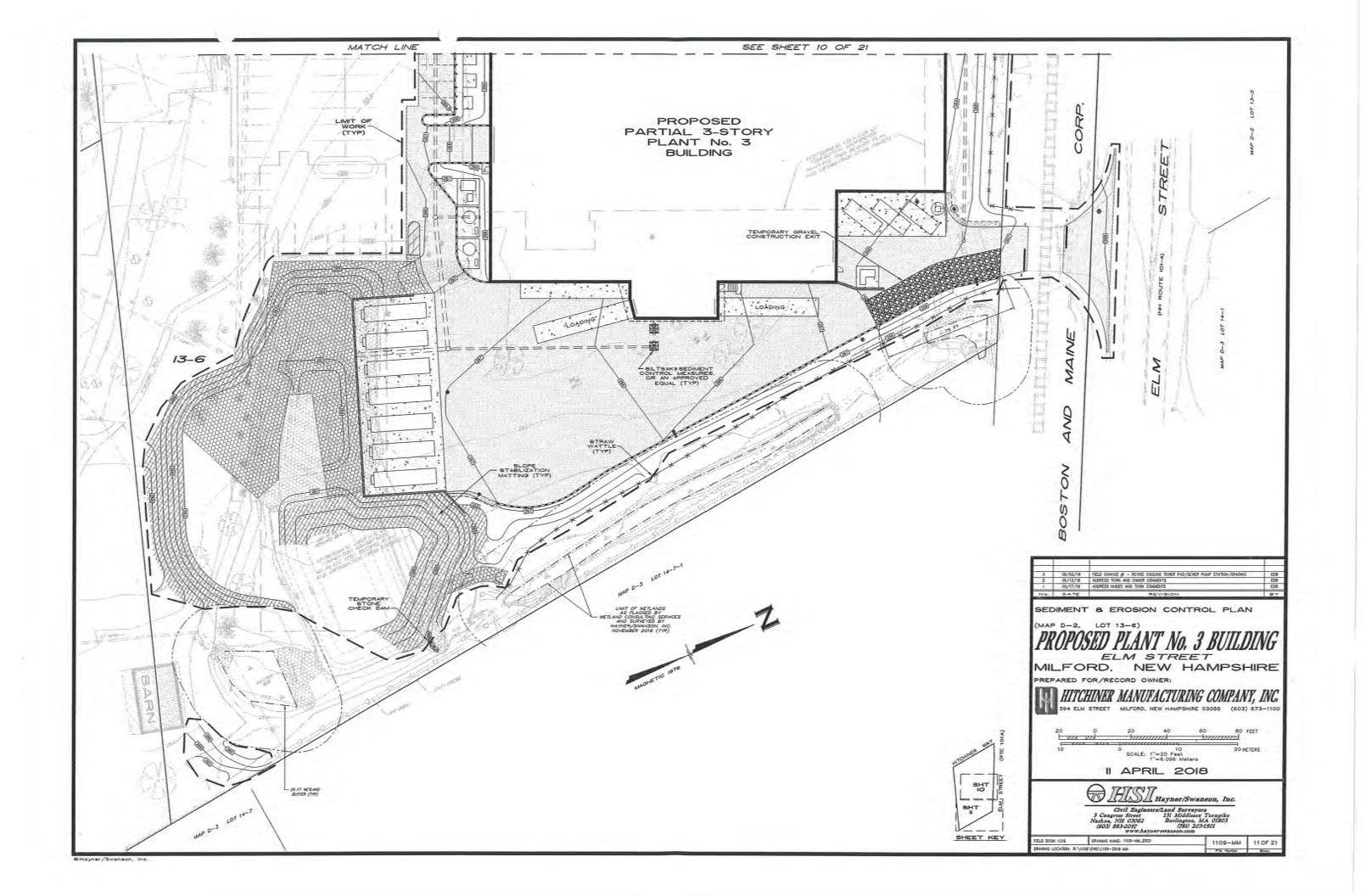


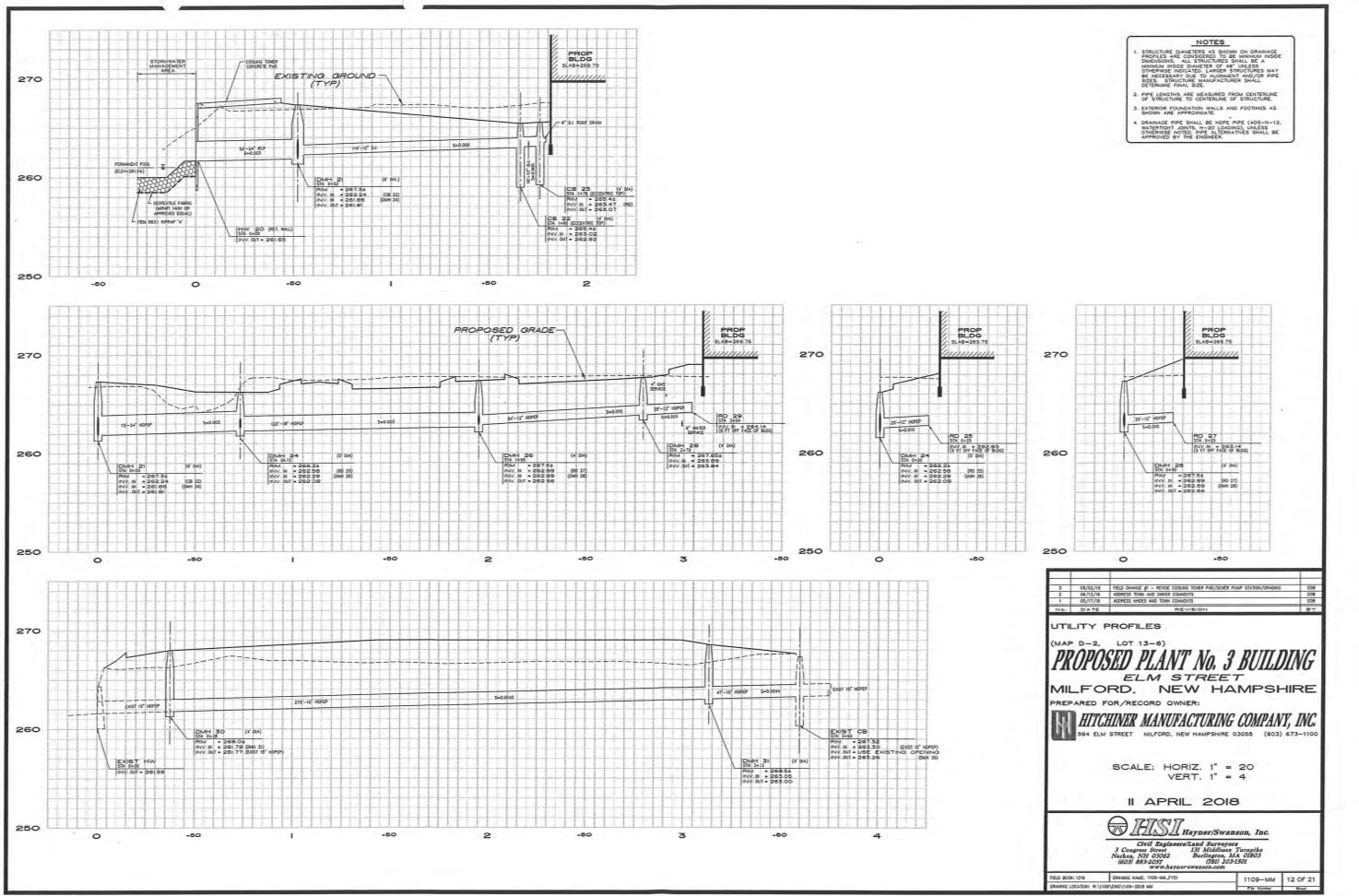






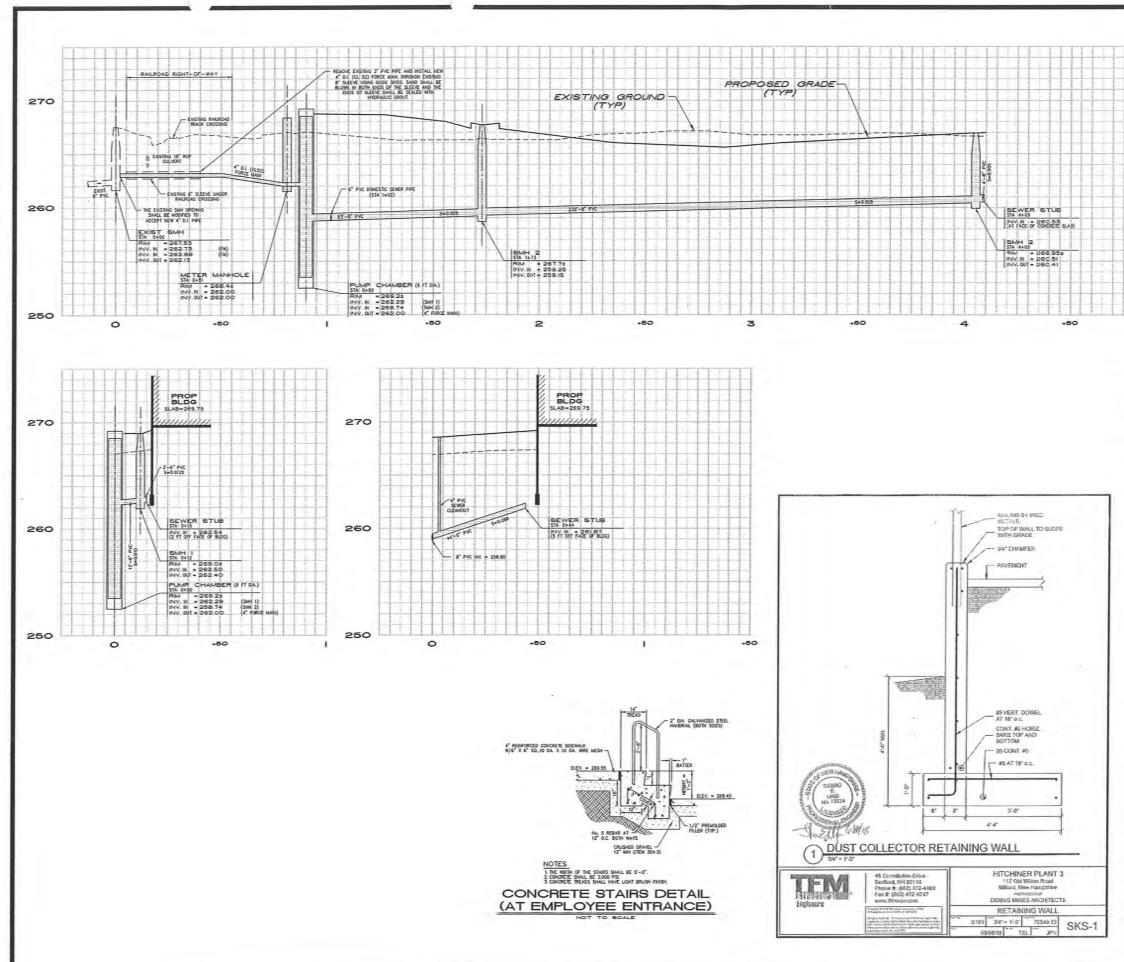






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2. PIPE RITTINGS AND APPURTENANCES. ALL PIPING AND FITTINGS SHALL BE DUCTILE IRON DLASS 52, CEMENT UNED, VALVES SHALL BE RATED FOR 150 PSI.

Lementin LUNEAL VEX.VESS STIRLL BE RATED FOR 150 PSI 3. <u>EUMP CHARGES</u> — THE PUMP CHARGES SHALL BE PRECAST, REINFORCED CONDRETE SFOOT DUMPTER SAVER MANAKLE MEETING THE RECURRENTS ASTIN ON'N WITH 7 INCH MINIALIN WALLS THE TOP SLAB AND ACCOMT HICK SHALL BE SEMINAL AND THE SAVES SHALL BETENDED IN MOVES BEFORD THE WILLS TO ASSET IN RESISTING MEMORY AND THE SAVES SHALL BETENDED IN MOVES SUBJACE THE FUMP CHARGES SHALL BE CESIONAL WILL FE SAVES SHALL BETENDED IN MOVES SUBJACE THE FUMP CHARGES SHALL BE CESIONED BY A STRUCTURAL ENDIDEER FOR ALL ANTICIPATED LOADS INCLUDING HYDDORSTATIC LIFULT AND HAS DO WHEEL LOADING THE SAVE SHALD BE STAMPED BY A REGISTERED PROFESSIONAL ENDINGER IN NEW HAMPSHIRE

MAINFOLE JOINTS SHALL BE SEALED IN AN APPROVED MAINER AND SUBJECT TO THE SAME WATER TIGHTNESS TESTING AS REQUIRED FOR SEWER MANHOLES.

OPENINGS FOR PIPES AND OTHER APPLICTED/ANCES SHALL BE CAST OR CORED BY THE MANUFACTURER AND PURMISHED WITH AN APPROVED PIPE TO MANHOLE JOINT WHICH SHALL BE WATERTIGHT.

AND PLANISHED WITH AN APPROVED PIPE TO MANHCLE JOINT WHICH SHALL BE WHITEHILIHTI. S. <u>PLIND FUNDEER CONCER</u>. H-300 LOAD RATED SERVIS H AS MANHACTURED BY HALLDAY PRODUCTS OR APPROVED FOULD TOJERS BHALL HINK A CLEAR DORING OF BY JAK'T THE LINT SHALL BE CASTING THE TOP SHALB BY THE PROCESSY MANUFACTURER HINGES SHALL BE GTAILEES STEEL WITH STATILESS STEEL HARDWARE AND LOCKING MECHANISM. SHAL ON UNDERSIDE OF ACCESS DOR TO READ, WHINNIG HAZAROUSA AREA, BUTTEN, ONLY WITH PROFER EXAMPLENT. THE UNIT SHALL BE PROVIDED WITH FALL PROTECTION RATING WITH PAD LOCK.

GRATING WITH PAD LOCK.
4 ELECTRICAL SYSTEMS AND COMPONENTS INCLUDING MOTORS LIGHTS.
CARLE, ONDHITS, SWITCH BOXES, AND COMTROL CIRCUTS IN ENCLOSE OF PARTIALLY PARTICLES DESCRIPTION OF THE PARTIALLY PARTIALY PARTIALLY PARTIALY PARTIALY

- AN EXTERNAL FLASHING AMBER ALARM LIGHT TO INDICATE AN ALARM CONDITION.
- AN ALCIRI F ALARM WITH SUFFICE CROUT AND SUFFICE BUTTON ON EXTERIOR OF PANEL.
- INDIVIDUAL PUMP CIRCUIT BREAKERS AND COMTROL CIRCUIT BREAKER. MOTOR STARTERS WITH ADJUSTABLE OVERLOADS FOR EACH PUMP MOTOR.

- MODOR STATTERS WITH ADJUSTABLE OVERLOADS FOR EACH PUMP MOTOR
 HANDORFAULTO'S WITH ADJUSTABLE OVERLOADS FOR EACH PUMP MOTOR
 MONODAL PUMP RUN URGITS
 MONODAL PUMP RUN URGITS
 NECESSARY CONTROL RELAYS, INCLUDING AUTOMATIC ALTERNATOR WITH INDICATOR
 UIGHT FOR INEXT PUMP MOTOR FOR ECULIED
- MOWOULAL PLAP SEAL FAIL LIGHTS AND RELAYS THAT WILL TRIGGER ALARM. SEAL FAIL WILL NOT INHERT THE RUNNING OF THE PLAP MOTOR.
- WILL NOT IMMET THE RUNNING OF THE PRIMP MOTOR: INDIVIDUAL PUMP OVERHEAT LIGHTS AND RELAYS THAT WILL TRIGGER ALARM. WHEN PUMP IS OVERHEATED THE RELAYS SHALL IMMET THE RUNNING OF THE AFFECTED PUMP MOTOR. INTRINSICALLY SAFE BARRIERS FOR LEVEL CONTROL LINES GOING TO LISTED LOCATIONS.
- TO THE MAXMUM EXTENT PRACTICAL THE CONTROL RELAYS, MOTORS STARTERS, CIRCUIT BREAKERS, AND OTHER COMPONENTS SHOULD BE DIN RAIL MOUNTED WITH APPROPRIATE SOCKET BASES FOR FIELD REPLACEMENT OF CONTROL AND CONTROL RELAYS A LADGER DURGAM SHALL BE REVOLUED WITHIN THE FUMP PANEL.
- UL LISTING AND LABELING FOR CLASS OF LISTED LOCATION WERE PUMP MOTORS ARE LOCATED

B. <u>METERING MANNELE</u>, A 4" ELECTROMAGNETIC FLOW INETER ISTRANS F M MAG 5000 WITH REMOTE COMPACT TRANSMITTER, SHALL BE INSTALLED IN A SEPARATE MANNELE AND WHEN TO A RECORDING TRANSMITTER, BALL BE INSTALLED IN A SEPARATE MANNELE AND WHEN TO A RECORDING ADJACENT TO THE FULLP CONTROL PANEL. THE METERING MANNELE SHALL BE PRECAST REINFORCED CONCRETE, 4" MODE CAMENTER WIT A NEW MINIMUM WALLE AND FLOWT. THE CHLIDING THCOMESS SHOLD BE A WIMIMUM OF IS INCLUDED WATH A 20 WICH THAN THE MINISTRA FRAME AND COVER. THE MANNELS AND DESIGNATED FOR HS.20 LOADING WITH A 30 WICH DAAVETER FRAME AND COVER. THE MANNELS AND DESIGNATED FOR HS.20 LOADING WITH A 30 WICH DAAVETER FRAME AND COVER. THE MANNELS AND DESIGNATED FOR HS.20 LOADING WITH A 30 WICH DAAVETER FRAME AND COVER. THE MANNELS AND FLOW FRAME AND P.TRAP CONCRETED TO THE FULLP CHAMBER.

MANHOLE JOINTS SHALL BE SEALED IN AN APPROVED MAMIER AND SUBJECT TO THE SAME WATER TIGHTNESS TESTING AS REQUIRED FOR SEVER MANHOLES.

OPENINGS FOR PIPES AND OTHER APPURTENANCES SHALL BE CAST OR CORED BY THE MANUFACTURER AND FURNISHED WITH AN APPROVED FIPE TO MANHOLE JOINT.

<u>UTILITES</u>: THIS WORK SHALL CONSIST OF PROVIDING ALL REQUIRED PUBLIC UTILITY SERVICES AND CONNECTIONS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. ELECTRICAL SERVICE SHALL BE PROVIDED AS REQUIRED, TO RESULT WA PLUTY OFERALE SERVICE.

8. <u>FIELD ADCEPTANCE TEST</u>. AFTER INSTALLATION OF THE EQUIPMENT AND AFTER COMPLETION OF THE SERVICES OF THE MANUFACTURERS REPRESENTATIVE. THE COMPLETION SHALL CONDUCT A FIELD ACCEPTANCE TEST AS DIRECTED BY THE DRIVERE FOUND OF INSTALLATION AND OPERATION MANUALS FOR ALL ELECTRICAL AND MECHANICAL COMPCHENTS SHALL BE PROVIDED

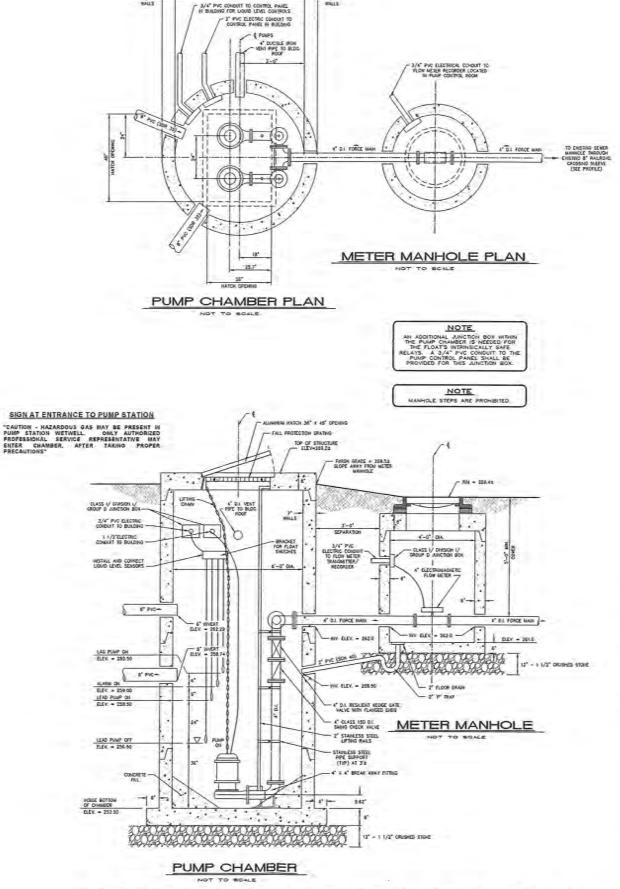
ALL FINAL KOUSTMENTS NECESSARY TO PLACE THE BOUPMENT IN SATISFACTORY ORDER SHALL BE MADE AT THE TIME OF THE ABOVE TEST. ALL LABOR AND MATERIALS NECESSARY FOR THE TEST, INCLUDING WATER, SHALL BE RURNISHED BY THE CONTRACTOR.

ATTER INSTALLATION, ALL PIPING AND THE PORCE MAIN SHALL BE PRESSURE TESTED FOR TIGHTHESS IN AN APPROVED MANNER. SHOLD LEAKS BE FOLKD, FALLTY JOINTS SHALL BE REPARED EVEN TO THE EXERTIC OF DASSEMBLY HAN REMAINING THE ZORT. ALL OFERCIVE APPES AND FITTINGS SHALL BE REMOVED AND REPLACED IN A MAINER BATISFACTORY TO THE ENGINEER.

8. <u>GUARANTEEL</u> THE PUMP STATION SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE CATE OF ACCEPTANCE BY THE ENGINEER

EMERGENCY GENERATOR: AN EMERGENCY GENERATOR MEETING THE REQUIREMENTS OF THE NEW HAMPSHIPE CODE OF ADMINISTRATIVE RULES EXHWD 715 11 SHALL BE PROVDED FOR THE PUMPS, AL ADMS AND LL CONTROL S.

11. FLOOD ELEVATION: THE 100 YEAR FEMA FLOOD IS LOCATED APPROXIMATELY 250 FEET FROM THE PLIMP CHANGER AT THE PLIMP CHANGER THE 100 YEAR FLOOD ELEVATION IS EL 287.9 (NAVDS), AND THE PLIMP CHANGER HATCH ELEVATION IS 263 27 (NVIDE).



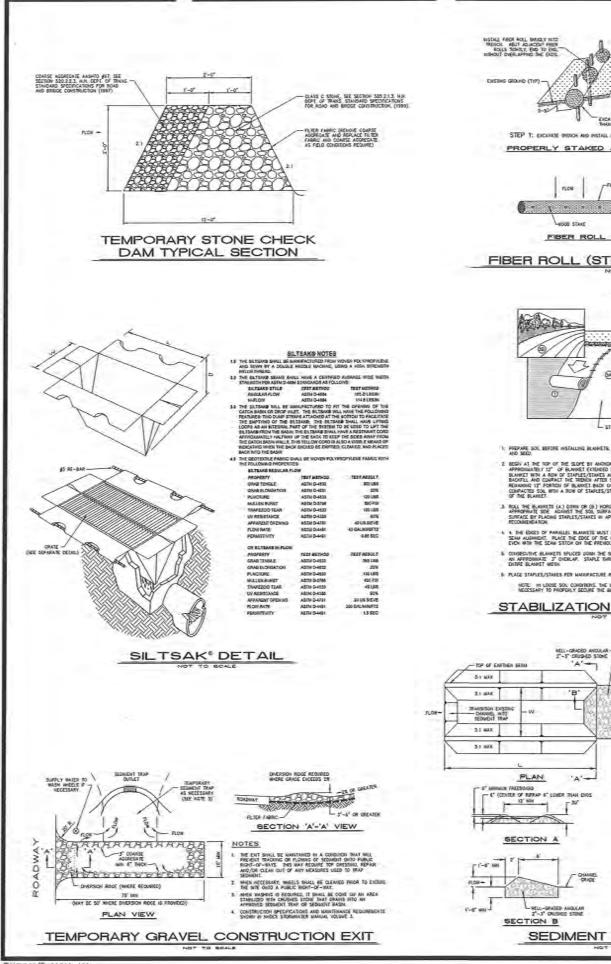
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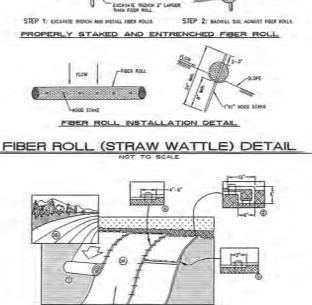
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WALLS

PUMP CHAMBER & METER MANHOLE DETAIL

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2 06/35/8 + 05/17/8 No. DATE DETAIL S	ADDRESS TOWN AND OW ADDRESS WHEES AND TO HEET - S LOT 13-6)		UMP ST		* # 18	
2 99,72/8 95,77/8 No. DATE DETAIL S MAP D-2, PROPOS MILFOI	HEET - S LOT 13-6 ELM RD, M	NH COMMENTS NH COMMENTS REVISION SEWER P NEW I	UMP ST	ATION	7	
2 09/82/8 1 09/72/8 NO: DATE DETAIL S MAP D-2, PROPOS MILFOI REPARED FO MILFOI			J BUI	ATION		
2 09/72/8 9/72/8 NOC DATE DETAIL S MAP D-2. PROPOS MILFOI REPARED FO S94 ELM			UMP ST	ATION ATION SHIRE ANY, IM (603) 673-110		
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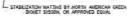
NOTE

OTHE STARES AT EACH BHE AND AT 4-FOOT SPACING UNTE ABER ROLL IS SECURE TO GROUND. DO NOT CRUSH THEM ROLL WHILE STARTING LINE STARES WAY BE USED ON PERMANENT INSTITUTIONS.

THE DIA DURAL AND COMPACT SOL TO

DESCRIPTION OF REMOTE FROM

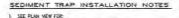
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1: PREPARE SOL BEFORE INSTALLING BLANKETS, INCLUDING ANY INCLUSION APPLICATION OF LINE, FORTULAR, AND SEED.

- 2 EEGN AT ME TOP OF HE SLOPE BY ANOIGHING THE BLANKET IN A 5" DEP X 6" NEE THENCH WITH APPROMILATELY 12" OF BLANKET EXTENDED ENTIOD THE UP-SLOPE POINTION OF THE THENCH WITH BLANKET INN A ROW OF STUPPESTATURES APPROXIMENT 12" APART IN THE EXTENDE BLOOPEL AND COMPARET THE THENCH AFTER STUPPING APPLY SEED TO COMPARETO SOL WID FROM BLOOPEL AND COMPARET THE THENCH AFTER STUPPING APPLY SEED TO COMPARETO SOL WID FROM COMPARETOR SOL WITH A TOW OF STUPPESTIFIES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE SLAWET.
- 3. ROLL THE BLAINETS (A.) COINI OF (G.) HOREONFALLY ACROSS THE SLOPE. BLAINETS MLL UNBOLL WITH APPROPRIATE SDE: AGAINST THE SOL, SUPPORT ALL BLAINETS MUST BE SECURELY ASSIDED TO SOL SUPPORT BY PLACING STATULES/STATULES IN APPROPRIATE LOCATIONS AS FEEL MAINTACTIONS.
- 4 THE EXES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINUTUR & DIFLAR. TO BISARE PROPED SEAM AUDMENT. PLACE THE EDGE OF THE DIFELTMENT BLANKET (BLANKET BEING MISTALLED ON 10P) EDDN WITH THE SEAM STITLON ON THE PREVIOUSLY INSTALLED BLANKET.
- 5. ODMEDUTIVE BLANKETS SPUCED DOWN THE SLOPE MUST BE PLACED DID OVER DID (VEHICLE STULE) WITH AN APPROMILIE 'S OVERLAP. STUPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS DITHE BLANKET WITH.
- 8. PLACE STAPLES/STAKES FER MANUFACTURE RECONNENDATION FOR THE APPROPRIATE SLOPE BEING APPLED NOTE: IN LOSS SOL CHROTERING THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN &' WAT BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

STABILIZATION MATTING DETAIL



- 1 SEE PLAN VEW FOR VARIATION LENGTH AND WOTH OF SEEMENT TRAF.

- SEDIMENT TRAP MAINTENANCE NOTES
- PREMENT DESERVATIONS AND MANTEMANCE ARE NECESSARY TO MANTAU SMPA IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- AND CONNECTIVE MEANINES SHOULD BE DOCIMENTED HOROLORUY: 1 WERE BAR'S HALE FINED. REPAIR ON REPLACEMENT SHOULD BE INITIATED UPON DISCUSSY OF THE FAULRE.
- INTLADE UPON DECOMENT OF THE FALLER COMMON SHARE E READE SEMENT ADJAMALATED IN THE AS AN EXCELD TO MARTINE THE FAILTDANLITY OF THE BAR. THEORIZET THE SEDENCE TO PHONE ADJACES JUST THE HEADER OF THE CONTENT SEDENCE TO PHONE ADJACES JUST THE CONTENT OF THE OWNER SHARE SEDENCE THAT SHARE THE ADJACES THE CONTENT OF THE SHARE SEDENCE THAT SHARE THE ADJACES THE CONTENT OF THE SHARE SEDENCE THAT SHARE THE ADJACES THE CONTENT OF THE SHARE SEDENCE THAT SHARE THE ADJACES THE ADJACES OF SHARE SEDENCE THAT SHARE SHARE THE ADJACES OF THE SHARE SEDENCE THAT SHARE SHARE SHARE SHARE SHARE SHARE SHARE SHARE SEDENCE THAT SHARE SH

SEDIMENT TRAP DETAIL -----

GENERAL NOTES

- ALL SOL, ERCISION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS THEREOF IN NEW HAMPSING DEPARTMENT OF ENVIRONMENTAL SERVICES STORMARTER IMANULS, VOLME 13, LATEST EDITION. THE WORK AREA SHALL BE GRADED, SKIPED, AND CTHERWISE CRAINED IN SUCH A MANNER AS TO MININGE FOIL ERDBIDM, SUITATON OF DRAINAGE CHANNELS, CHANGE TO EXISTING VEGETATION, AND CHANGE TO PROPERTY OUTSIDE THE LIMITS OF THE WORK AREA. BIT FENCES, STRAM BALES AND/OR DETENTION SASING WILL BE NECESSARY TO ACCOMPUSE THE END. STRIPPED TOPSOIL SHALL BE STOCKPLED, WITHOUT COMPACTION, AND STABILIZED ASAMST EADSION IN ADDORDANCE WITH TEMPORARY STABILIZATION OF DISTURBED AREAS", AS OUTLINED IN NOTE for 4 TEMPORARY STABLEZATION OF DISTURBED AREAS SEED BOD APREARATION: HIGH OF DISTURZATION TO BE SPREAD AT THE RATE OF 7 LES PER 1 200 SF AND ADRICULT "ANL LINESTONE AT A RATE OF 50 LES PER 1 200 SF AND INCORPORATED INTO THE SOIL. THE SOIL (FRITLIESE AND LINESTONE SAML) BET TALLED TO PREPAR FOR SEEDING. SEED MIXTURE: USE MIN OF THE FOLL SPECIES WINTER RYS RATE PER 1,000 SF DEPTH SEEDING DATES 1" DUIS 7D OB15 25185 CATS 25185 0415 10 1015 AMAGEL RYE GRASS 10185 0.25 -08/15 TO 05/15 DULD BE USED ON ODABLE AREAS, AND WHERE IT ESTABLISHMENT AS FOLLOWS: TIPE RATE PER 1,000 SF USE & COMMENTS MAY BE USED WITH PLANTINGS, MUST BE ANCHORED TO BE USED ALONE WOLC CHIPS OF 450 TO \$20 LBS USED WITH TREE AND SHRUS. PLANTINGS MUST BE BODEGRADABLE. USE IN SLOPE AREAS AND AREAS DIFFICULT TO VEGETATE FIERCUS MATTING AS RECOMMENDED BY MANUFACTURER CRUSHED STONE Nº TO 1 Nº DIA SPREAD TO GREATER THAN 10" THICKNESS USE IN SPECIFIC AREAS AS SHOWN ON PLAN OR AS NEEDED
- PERMANENT STABILIZATION OF DISTURBED AREAS A JUL ROADWAYS AND PARKING LOTS BHALL BE STABLIZED WITHIN 72 HOURS OF ACHEVING FRISHED GRADE.
- 8 ALL CUT MID FILL SLOPES SHALL BE SEEDEDLOAMED WITHIN 72 HOURS OF ACHEWING FINISHED GRADE
- THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.
- AN AREA SHALL BE CONSIDERED STABILIZED IF ONE OF THE FOLLOWING HAS OCCURRED.
- A BASE COURSE DRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED. B A MINIMUM OF JON VEGETATED GROWTH HAS BEEN ESTABLISHED: C A MINIMUM OF J AUXER OF KON-EKOBIVE WITTERIAL SUCH AS STOKE OR RIPPAP HAS BEEN INSTALLED.

- D OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED
- 8 ALL AREAS SHALL BE STABLIZED WITHIN 45 DAYS OF INTIAL DISTURBANCE.
 - NEW KAMPSKIRE DEPARTMENT OF ENVIRONMENTAL SERVICES ALTERATION OF TERRAIN PERMIT No. 407-1427
- 15 SITE LOCATION 42"50 28" N LATITUDE. 11"41"59" W LOWSTRUDE (PER GOOGLE EARTH)
- TOTAL AREA OF DISTURBED BOILS: 160, 300 SFa REFERENCE IS MACE TO THE LATEST EDITION OF THE FEDERAL REGISTER (\$3.4% YAS1), EW/ PROTECTION AGENCY WIPES GENERAL PERMITS FOR STORMMETER DISCHARGES FROM COL ACTIVITIES, FOR ADDITIONAL INFORMATION CONTACT (202) 98-9856 DOI: NOT
- THE ENTIRE CONTENTS OF THE STORMWATER POLIUTION PREVENTION FLAW (SHIPP) SHALL BE RETAINED ON STEE FOR THE DIRATION OF THE CONTINUET AND BEMADE WAILABLE TO LOCAL STATE AND PEDERAL CODE ENFORCEMENT PERSONNE!
- THIS PROJECT SHALL BE MANAGED TO WEET THE REQUIREMENTS AND WITEHT OF RSA 450-85 AND AGR 3000 RELATIVE TO INVASIVE SPECIES, AND FUGTIVE DUST IS CONTROLLED IN ADCORDANCE WITH ENVA 4000.
- IS TEMPORARY WATER DWERSIONS (SWALES, BASINS, ETC) MUST BE USED AS NECESSARY WITH AREAS AREA STABILIZED.

CONSTRUCTION SEQUENCE

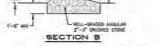
- T CLEAR SITE ACCORDING TO PLAN
- CONSTRUCTION OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES. TO BE IN ACCORDANCE WITH THE PLANS, PERIMETER CONTROLS TO BE INSTALLED PRICE TO EARTH MOVING OPERATIONS.
- GRUB SITE ACCORDING TO PLAN
- OUT AND DISPOSE OF ANY CEBRIS PRODUCED DURING THE CLEARING AND GRUEBING ACTIVITY
- CONSTRUCT DETENTION BASIN EXPANSION AND SWALES PRIOR TO ROUGH GRADING. SEED AND MULCH
- SITE GRADING OF BUILDING AND PARKING AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED AFTER BEING CONSTRUCTED.
- INSTALLATION OF UNDERGROUND UTLITIES AND CATCH BASING SHALL BE FROTECTED FROM SEDUNENT IN ACORDANCE WITH THE " SULTAICK DETAL, ". THE CONTROL SHALL REMIN UKIL THE SITE IS SUMPOENTLY STAILUZED IRRAW SHALL BE FACED AT EACH HEADINAL UNTE! AS THE BUILDING IS COMPLETED, ALL DISTURBED AREAS SHALL BE PERIMANENTLY STABILIZED
- NO PORTICH OF THE PROJECT SHALL BE LET DISTURED AND WISTABILED FOR A PERIOD OF 45 DAVE OR GREATER ALL DISTURDED AREAS SHALL BE PERMANENTLY STABILED FOR PROR TO WINTER CONDITIONS. STABILIZATION SHALL BE ESPINED AS 70% VEDEXATIVE DROWTH BY NOVEMBER 1th CR WISTALLATION OF ENDOCIN CONTINUE. MAITTUM 9
- COMPLETED AREAS SHALL BE STABILIZED 72 HOURS AFTER COMPLETION 122
- ALL PERMANENT STORM WATER MANAGEMENT MEASURES SHALL HAVE A HEALTHY STAND OF VEDETATION ESTABLISHED PRIOR TO DIRECTING RUNOFF INTO THEM
- 52 FINAL PAWING OF PARKING LOT LOAM AND SEED ALL DISTURSED AREAS 39
- INSPECTION OF ALL SEDMENT AND ERDS ON CONTROL MEASURES
- SITE LANDSCAPING ALONG WITH PERMANENT SEEDING OF ALL DISTURBED AREAS
- REMOVE ANY TEMPORARY ERCSION CONTROL MEASURES NOT NEEDED.

WINTER CONDITION NOTES

- ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS VANICH DO NOT EXHIBIT A MINIALM OF 89% VEGETATIVE GROUTH BY OCTOBER 5%²⁰, 08 WHICH ARE DISTURBED AFTER OCTOBER 15²⁰, 5%ALL BE STARLIEZD BY BERING AND INSTALING EROSING CONTROL BLANKETS ON SLOPES GREATER THAN 31, AND SEEDING AND PLACING 3 TO 4 TONIS OF MILLON PER ACCE, SECURED WITH ANCHORED LIETIMUS ELEMENTE. THE RALEVENT OF EMOLING HERA ACCE, SECURED MILLON AND NETTING SHALL NOR OCCUR OVER ACCUMENTED SHOW OR ON FROZEN GROUND AND SHALL BE CONFIETED AND ADDINES OF THANK OR SPAND BUELT EVENTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 55% VEGETATIVE GROWTH BY OCTOBER 15¹⁰, OR WHICH ARE DISTURBED AFTER OCTOBER 15¹⁰, SHALL BE STABLICED WITH STOLE OF BEDSION CONTROL BLANKETS APPROPRIATE FOR THE DESIDE ALCONCONTRONS
- AFTER OCTOBER 19⁵⁴, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF SHICHES OF CRUSHED GRAVEL PER MINOTITIEL SOLS.



- -LOCATION, LENGER AND HEAH OF SECRET TARE. SEGMENT TRAPS SHALL SE SIZED TO REFUGE A VOLUME OF 3,500 PER ACRE OF CONTRIBUTING DRAMAGE AREA. SEQMENT TRAPS SHALL SE INSTALLED FROM TO ANY UPDRAMONT LAND-DESTINATION ACTIVITES. 'B' UPDATED TAND-DESTREEME ACTIVITES ESTABLE TAR DESTREEME ACTIVITES FROM ENCANTOR. DE ESTRESENCED FROM MATERIA FROM ENCANTOR. DE ESTRESENCED DE MESSACED EL MARMAN (CONSTIT N ACTOROMONE) MAY ACTIV ESTRESENT TARP OUTLIE TO BE CONSTRUCTED OF MELL-GRADED MARQUAR 27-5 ORDERED STORE. MOULER 7-3 ORGANIS SIGNE. 4. THE TAP OF THE DATIFUENT BERN SAULL BE A MONIUM OF 5' HOMER THAN THE TAP OF THE OUTLET STRUCTURE. 7. THE ENDS OF THE GATHET STRUCTURE SHULL BE A MONIUM OF 6' MIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.
- 'A' - 6" ICENSER OF REPAIR 6" LONER THAN DIGS - 30
- CHANNE ORXOF



SITE MAINTENANCE/INSPECTION PROGRAM

WING PROVIDES AN ITEMIZATION OF SPECIFIC SITE MAINTENANCE PRACTICES THAT WILL BE EMPLOYED E TO MINIMIZE FOLLUTANT GENERATION AND TRANSPORT FROM THE SITE THE SITE MAINTENANCE ON THE SITE TO M PROGRAM INCLUD PRACTICES.

ROUTINE INSPECTIONS

1.8

THE CONTRACTOR SHALL INSPECT ALL CONTROL MERSURES AT LEAST ONCE A WEEK AND WITH THELVE ("SHHCURS OF PRE EIND OF A STORM WITH RAWING ALL AND/UT COREATES THAN 35 MERSES THE ROSECTORS MILL LEMENT THAT THE STRUCTURAL BAND SECOND IN THE PLANS ARE IN 0000 CONDITION HIGH ARE MINIMIZED EXCISION A MAINTEINING EINSPECTION REPORT INLL BE MADE WITH EXCH MISCRED CONCUMENTS UNDER CONTROL SHALL BE KETT ON STRE FOR THE OVERATION OF THE PROJECT FOLLOWING CONSTRUCTION, THE CONTROL FORME SHALL BE KETTER AT HIGH CONTROL RECORD FOR ANIMAND OF OTHER FER.

PREVENTATIVE MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY AND PERMANENT CONTROLS THROUGHOUT THE DURATION OF THIS CONTRACT, MAINTENANCE PRACTICES SHALL INCLUDE BUT ASE NOT LIMITED TO:

- CLEANING OF CATCH BASING TWICE PER YEAR OR MORE FREQUENTLY AS DICTATED BY QUARTERLY INSPECTIONS
- CLEANING OF SEDMENT AND DEBRIS FROM STORMWATER MANAGEMENT AREA FOREBAY TWICE FER YEAR OR MORE FRECJENTLY AS DICTATED BY MONTHLY INSPECTIONS.
- INFREMENTATION OF OTHER MAINTENANCE OR REPAIR ACTIVITIES AS DEEMED NECESSARY BASED UPON WEEKLY INSPECTIONS.
- REMOVAL OF BUILT UP SEDMENT ALONG SILT FENCES AND/OR STRAW BALE BARRERS
- REMOVAL OF BUILT UP SEDIMENT IN BOTH TEMPORARY AND PERMANENT CONTROLS SUCH AS GRASS SWALES. SEDIMENT FOREBAYS AND RECHARGE DETENTION BASINS.
- RECONSTRUCTING THE TEMPORARY GRAVEL CONSTRUCTION EXIT IF NOT WORKING PROPERLY THEATMENT OF NOM STORM WATER DISCHARGES SUCH AS WATER FROM WRITER LINE RUDENINGS OR OROUNDWRITER FROM DEWATERING EXCANATIONS, SUCH FLOWS SHOULD BE DREIZIED TO A TEMPORARY SEDMENT ATOL BASIN OR STORWIJE TER MANADEBENT AFER.
- SINGLEF PARKING LOTS AND DRIVES REGULARS, IT TO MINIMIZE SEDMENT ACCUMULATION. PREDUENCY WILL WARY SEASONALLY ACCORDING TO SEDMENT ACCUMULATION ON PARE. UNRACES 62, G. WORE FREQUENT OWNERSTING DURING THE WINTER AND SPRING.

GOOD HOUSEKEEPING PRACTICES

THE CONTRACTOR BHALL ENVELOPMENTS AND PRACTICES TO REDUCE THE WERK OF APRLS OR OTHER ACCESSIVE, ISPOSINGE OF WALERALS TO STORM AND WALER MUNOFF. THE MATERIALS DURING A PETROLOGUE PRODUCTS - FORMULATION TO PRUMEE THAT THE REMARKSCHATED WITH THE USE OF THESE PRODUCTS IS MINIMEED. THE FOLLOWING "DODO MUDDEREPROPERTIES OF MALES FOR DURING CONTROL THE PRODUCT OF THE MUDDEREPROPERTIES AND A PETROLOGUE AND A DURING CONTROL THE PRODUCT -THE PRODUCTS OF THE PRODUCT - STATUSCENT AND THE PRODUCTS OF THE MUDDEREPROPERTIES AND A DURING CONTROL OF THE PRODUCT -THE PRODUCTS OF THE PRODUCT - STATUSCENT AND THE PRODUCTS OF THE MUDDEREPROPERTIES AND THE USE OF THESE PRODUCTS IS MINIMEED. THE FOLLOWING TODOO A AV EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOR.

- AC. ALL MATERIALS STORED ONSITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTRINERS AND IF POSSIBLE, UNDER A ROCH ON OTHER PL/LOSIEL, SHALL BE KTPT IN THEIR ORDINAL CONTAINERS WITH THEIR MAINFACTURERS' LABELS.
- D. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE
- E MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED
- F. THE CONTRACTOR SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS

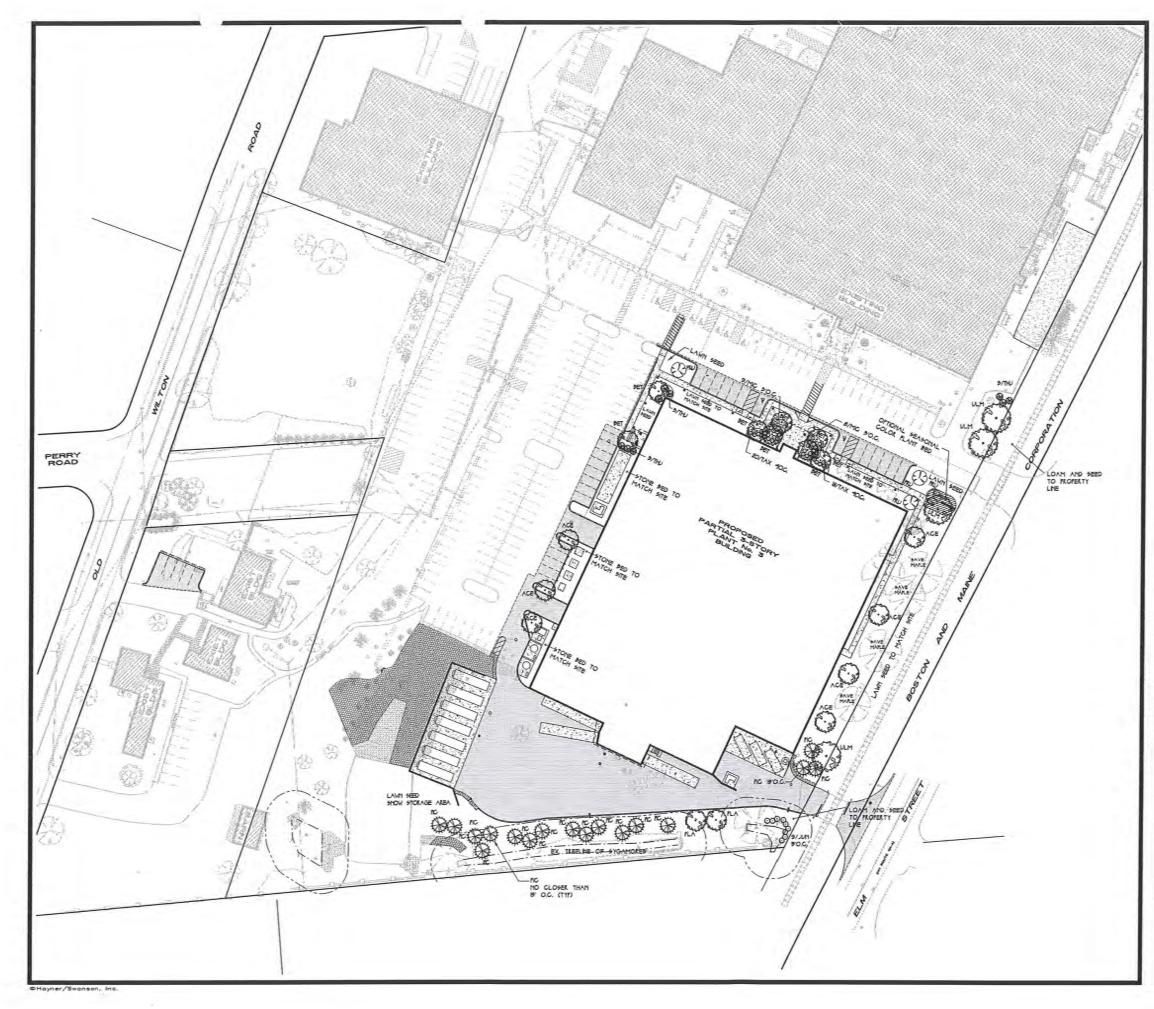
SPILL PREVENTION AND CLEANUP PRACTICES

MANJFACTURERS' RECOMMENDED METHODS FOR SPLL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE ANNAE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AN CLEANUP SKIPLIES.

MATERIALS AND EQUIPMENT RECESSARY FOR SPILL OLEANLP VILL SE KEPT IN THE MATERIAL STORAGE AREA CHARTE EQUIPMENT AND INTERNA WILL WICLUSS BUT NOT BE UNITED TO BROAKS DUSTRANS, MOPS, MOSS, OLOVES, ODGOLES, KITTY LITTER, SAND, SANDUST, AND PLASTIC AND NETAL TRABI-CUMMANESS SECONDLY FOR THIS PLAPOSE.

- ALL GRULS WILL BE CLEANED UP INMEDIATELY AFTER DISCOVERY
- THE SHUL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT MULRY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- BPLIS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL . GOVERNMENT AGENCY . REGARDLESS OF THE SIZE
- THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLIDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCOURRING AND HOW TO CLEAN UP THE SPILL F THERE IS AND HER OME. A RESORTFRION OF THE SPILL WHAT CAUSED IN, AND THE CLEAN UP REASURES WILL ALSO BE INCLUDED.

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No.	DATE		REVI	SION		.ev
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M	094 ELM	STREET M	LFORD, NEW	HAMPSHIRE) 673-1100
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MATERIAL LIST	
SUACE ACEL ELEPMANI (ALMOTIONS MARIE)	3-33'GAL
Ø/PET PETULA NGRA (HERITAGE RIVER PRCH) H	1-1690 MULTHOTEM
9/JUN JUNPERUS CHINENSIS (SEAGREEN JUNPER)	2-2955
P/MC MICROPIOTA DECUSSATA (RUSSIAN CYRESS)	
7/16 MEAN ORBATALIS (ORBATAL SHRUCE)	7-880
2/FLA FLATANUS AGERFOLIA (EXCLAMATION FLANETREE)	23-3 GAL
4/WW WUPUS SARGENTI (MYK FLAK SARGENT CHERRY) 38/TAX TAXUS MEDIA (EVERLOW YEW)	
SYTHA THUS OCCORTALS (TECHNY MISSION ARBORVITAE)	
AULM ULMUS FARVFOLIA ALEE CALLEE CHINESE ELMO	
BARK MULCH TO MATCH EXISTING CONDITIONS	
LAWN SEED TO MATCH EXISTING CONDITIONS	
06/02/08 PELD OHMICE AI - PEVSE COOLING TOMER PAD/SENER PUMP ST. 2 06/12/08 ADDRESS TOM AND OWNER COMMENTS 1 06/01/08 ADDRESS INFOCS AND TOM COMMENTS N.D. D.A.T.E. PELVISICOLI	атон/сялония Ерв "Эн Эн В Y
LANDSCAPE PLAN MAP D-2, LOT 13-6)	
PROPOSED PLANT No. 3 B	UILDING
MILFORD, NEW HAM	PSHIRE
HITCHINER MANUFACTURING CO	
	160 FEET
40 0 40 80 120 1074 1074 10777 20 0 SCALE: 1"=40 Feet 1"=12.192 Meters	40 METERS
20 ⁰ SCALE: 1 [*] =40 Feet 1 [*] =12:192 Meters II APRIL 2018	
20 ⁰ 20 SCALE: 1 [*] =40 Feet 1 [*] =12.192 Meters	
20 ° SCALE: 1°=40 Feet 1°=12.192 Meters II APRIL 2018 PREPARED BY : BLACKWATER DESIGN FIDE(#1) 64-600 FAX(181) 64-686 Lad Planting -Landrope Architecture 85 Front Late - Webare, NH 0303	