# CONSTRUCTION DRAWINGS EAST SOIL STOCKPILE WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

ROCHESTER, NEW HAMPSHIRE MARCH 2021 LAST REVISED JULY 2021



NOTES, ABBREVIATIONS, AND LEGEND
 OVERALL SITE PLAN
 EXISTING CONDITIONS PLAN
 SITE DEVELOPMENT PLAN
 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

♠ 7 POTENTIAL THREATENED OR ENDANGERED SPECIES FLYERS

EAST STOCKPILE POND DETAILS

FROM: USGS TOPOGRAPHIC MAP-ROCHESTER, NEW HAMPSHIRE (PROVISIONAL 1983)

LOCUS PLAN

SCALE: 1"=2000'

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD approved 5.3.21

APPROVAL CERTIFIED BY: Spannab Sounders DATE: 11.8.2

THE DEVELOPMENT DEPICTED IN THESE DRAWINGS MUST BE IN COMPLIANCE WITH ALL APPLICABLE LAW-INCLUDING ALL PERTINENT PROVISIONS OF THE "CITY OF ROCHESTER SITE PLAN REGULATIONS"- UNLESS OTHERWISE WANCED.

REVISION TABLE

07/09/21 REVISED TO ADDRESS NH FISH AND GAME SAP
COMMENTS
A 06/01/21 REVISED TO ADDRESS NH FISH AND GAME KMA
COMMENTS
NO. DATE DESCRIPTION BY

- NOT FOR CONSTRUCTION -



PREPARED BY:

SANBORN

| HEAD

WASTE MANAGEMENT

PREPARED FOR

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

14 TAYLOR AVENUE, ROCHESTER, NEW HAMPSHIRE

**20 FOUNDRY STREET, CONCORD, NEW HAMPSHIRE 03301** (603) 229-1900 FAX (603) 229-1919

# REFERENCE NOTES

- THE EXISTING TOPOGRAPHY AND SITE FEATURES PRESENTED ON THESE DRAWINGS REPRESENT THE ANTICIPATED CONDITIONS AT THE START OF CONSTRUCTION AND ARE BASED ON THE ONGOING TLR-III SOUTH AREA INITIAL CONSTRUCTION PROJECT AND THE RESOURCES LISTED BELOW. THE SITE TOPOGRAPHY AND SITE FEATURES MAY BE DIFFERENT AT THE TIME OF CONSTRUCTION.
- 2. EXISTING TOPOGRAPHY AND SITE FEATURES WERE PROVIDED TO SANBORN HEAD IN AN ELECTRONIC FILE TITLED, "30900208-001-1-2020\_MAPPING-REV1.dwg" PREPARED FROM AERIAL PHOTOGRAMMETRIC METHODS BY WSP USA INC. OF MERRIMACK, NEW HAMPSHIRE FOR WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. (WMNH) USING AERIAL PHOTOGRAPHY DATED APRIL 23, 2020 AT AN ORIGINAL SCALE OF 1" = 100' AND CONTOUR INTERVAL OF 2 FEET. VERTICAL DATUM IS BASED ON NGVD 1929. HORIZONTAL DATUM IS BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD 1983 (US SURVEY FEET)
- 3. VERTICAL DATUM IS BASED ON NGVD 1929. GRID IS BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE
- WETLANDS SHOWN REPRESENT A COMPILATION OF INFORMATION OBTAINED USING EXISTING AERIAL PHOTOGRAPHY, SOILS INFORMATION, U.S.F.W.S. NATIONAL WETLAND INVENTORY MAPS, AND DELINEATIONS PERFORMED IN OCTOBER AND DECEMBER 2014 AND SUPPLEMENTED WITH ADDITIONAL DELINEATIONS PERFORMED BETWEEN SEPTEMBER 2000 AND JUNE 2015 BY BARRY H. KEITH, NH CWS #087, IN ACCORDANCE WITH NHWB ADMINISTRATIVE RULE WT 301.01 (A-C) USING THE METHODS OUTLINED IN THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY 1987) AND FIELD IDENTIFYING HYDRIC SOILS IN NEW ENGLAND (VERSION II) PUBLISHED BY THE N.E. INTERSTATE WATER POLLUTION CONTROL COMMISSION. WETLAND AREAS WERE CLASSIFIED IN ACCORDANCE WITH NHIWB ADMINISTRATIVE RULE WT 301.02 USING THE USFWS/OBS-79/31 MANUAL CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES (COWARDIN ET AL, 1979).
- THE 100-YEAR AND 500-YEAR FLOODPLAINS ARE BASED ON INFORMATION PROVIDED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) "FLOOD INSURANCE RATE MAP, STRAFFORD COUNTY, NEW HAMPSHIRE" PANEL 302 OF 405, LAST REVISED ON SEPTEMBER 30, 2015.
- PROPERTY LINE INFORMATION WAS TAKEN FROM THE FOLLOWING
- A. A PLAN TITLED, "BOUNDARY COMPILATION AND FOOTPRINT COMPILATION OF TLR-I AND TLR-III, ROCHESTER NECK ROAD, ROCHESTER, NEW HAMPSHIRE" PREPARED FOR WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. BY CHAS. H. SELLS, INC. OF NASHUA, NEW HAMPSHIRE DATED JANUARY 29, 2002 AT A SCALE OF 1" = 300".
- B. A PLAN TITLED, "PLAN OF LAND, 36 ROCHESTER NECK ROAD, ROCHESTER NEW HAMPSHIRE (MAP 262 LOT 23)" PREPARED BY WSP USA, INC. OF NASHUA, NEW HAMPSHIRE DATED OCTOBER 2, 2018 AT A SCALE OF 1" = 80'.
  ELECTRONIC (AUTOCAD) TAX MAP FILES CREATED BY CAI TECHNOLOGIES OF LITTLETON, NEW HAMPSHIRE.
- D. PLANS TITLED "ROCHESTER NECK ROAD DISCONTINUANCE PLAN" AND "ROCHESTER NECK ROAD RELOCATION," BOTH DATED SEPTEMBER 29, 2020, PREPARED FOR WMNH BY WSP USA, INC. OF MERRIMACK,
- E. A PLAN TITLED "PROPOSED CONDITIONS PLAN, PARCELS 267-3 & 267-4 LOT LINE REVISION," DATED AUGUST 2020 AND REVISED OCTOBER 2020, PREPARED FOR WMNH BY SANBORN HEAD.
- 8. ZONING INFORMATION IS BASED ON A PLAN TITLED "CITY OF ROCHESTER, ZONING MAP" ADOPTED APRIL 14, 2014 AND LAST AMENDED FEBRUARY 6, 2018.
- THE EXISTING UTILITIES SHOWN ON THESE PLANS DO NOT REPRESENT A COMPLETE COMPILATION OF ALL UTILITIES INSTALLED AT THE SITE. THE CONTRACTOR SHALL COORDINATE WITH WIMN TO REVIEW ALL AS-BUILT DRAWINGS PRIOR TO EXCAVATING. DAMAGE CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION WILL BE REPAIRED PROMPTLY BY THE CONTRACTOR AT NO COST TO WMNH

# **DESIGN NOTES**

- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE PRIOR TO INITIATING EARTHWORK.
- THE CONTRACTOR SHALL COORDINATE WITH WMNH TO REVIEW ALL AS-BUILT DRAWINGS TO LOCATE EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. DAMAGE CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION WILL BE REPAIRED PROMPTLY BY THE CONTRACTOR AT NO COST TO WMNH
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS NOT ALREADY



A NATURAL RESOURCES NOTES (COMPLIES WITH ENV-WQ 1503.19 (H))

- AVOID TREE CLEARING FROM JUNE 1 TO JUNE 30.
- ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, EXCEPT FOR SILT FENCE INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.04, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN WELDED PLASTIC, PLASTIC, OR MULTI-FILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH.
- CONTRACTOR SHALL BE AWARE OF THE POTENTIAL FOR RARE, THREATENED AND ENDANGERED SPECIES WITHIN THE PROJECT AREA SPECIES THAT MAY BE WITHIN THE PROJECT AREA INCLUDE THE NORTHERN BLACK RACER SNAKE, SPOTTED TURTLES, BLANDING'S TURTLES AND WOOD TURTLES. SEE SHEET 7. FOR ADDITIONAL INFORMATION ON IDENTIFICATION. OBSERVATION OF THESE THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED TO NIFFG VIA EMAIL TO RAARR@WILDLIFE.NH.GOV AND MELISSA. DOPERSLSKI@WILDLIFE.NH.GOV, EMAIL SUBJECT LINE: NHB21-9817-EAST SOIL STOCKPILE-WIGHIG Observation. PHOTOGRAPHS SHALL BE PROVIDED FOR VERIFICATION AS FEASIBLE. NHFG SHALL BE CONTACTED IMMEDIATELY IF ANY SPECIES ARE OBSERVED TO BE NESTING OR MAY POSSIBLY BE NESTING.
- IF ANY THREATENED OR ENDANGERED SPECIES ARE OBSERVED WITHIN THE DISTURBANCE AREA AND IT IS SAFE TO DO SO, MOVE TO THE CLOSEST LOCATION IN THE DIRECTION THE WERE HEADING AND CONTACT NHFG MELISSA DOPERALSKI TEXT OR PHONE 603-479-1129 OR CONTACT THE NHFG WILDLIFE ADMINISTRATOR AT 603-271-2461. INCLUIDE PHOTOGRAPH
- NHFG SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT
- EASTERN MEADOWLARKS MAY BE FOUND IN THE AREA. IF A NEST IS ENCOUNTERED, PLEASE NOTIFY NHFG IMMEDIATELY, NESTS ARE PROTECTED UNDER STATE AND FEDERAL LAWS. OPEN/GRASSY AREAS THAT WILL BE DISTURBED AS PART OF PROPOSED ACTIVITIES SHALL BE MAINTAINED MOWED PRIOR TO AND THROUGHOUT THE NESTING SEASON TO DETOUR NESTING ACTIVITIES BY BIRDS.

SCALE: AS NOTED

- NO PESTICIDES SHALL BE USED IN LANDSCAPING.
- 8. ALL TEMPORARY DISTURBED AREAS OUTSIDE THE LIMITS OF DEVELOPMENT WITH SHALL BE REVEGETATED WITH GRASS
- 9. EXISTING LAND USE WITHIN THE 250' SHORELAND AND 100' 500 YEAR FLOODPLAIN SETBACKS SHALL BE MAINTAINED.

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD APPROVAL CERTIFIED BY:

DATE:

# CONSTRUCTION SEQUENCE

THE FOLLOWING SCHEDULE IS NOT INTENDED TO PRESENT A DETAILED REPRESENTATION OF THE WORK TO BE PERFORMED BY THE CONTRACTOR. THE FOLLOWING SCHEDULE OUTLINES THE SIGNIFICANT ASPECTS OF THE PROJECT IN AN ORDER THAT SHOULD BE CONSIDERED BY THE CONTRACTOR WHEN SCHEDULING THE WORK. THE ACTUAL SCHEDULE AND ORDER OF WORK SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AND WMNH FOR REVIEW AND APPROVAL. THE SCHEDULE SHALL BE BASED ON THE PROJECT COMPONENTS, AS DEFINED IN THE DRAWINGS AND SPECIFICATIONS AND INTENDED TO COMPLY WITH ALL LOCAL STATE, AND FEDERAL REQUIREMENTS.

- 1. MOBILIZE TO SITE AND ESTABLISH VERTICAL AND HORIZONTAL CONTROL FOR THE PROJECT
- 2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES, AND INSTALL CONSTRUCTION FENCE ALONG LIMIT OF
- 3. CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL.
- 4. CONSTRUCT EAST SOIL STOCKPILE BASIN AND OUTLET STRUCTURE
- 6. CONSTRUCT SIDE SLOPE SWALES AS SOIL IS PLACED TO GRADE.
- 7. REMOVE EROSION CONTROLS ONCE SLOPES ARE STABILIZED
- 8. PREPARE AS-BUILT DRAWINGS
- 9. DEMOBILIZE FROM THE SITE.

# **ABBREVIATIONS**

Ø	DIAMETER	MRF	MATERIALS RECOVERY FACILITY
%	PERCENT	N	NORTHING, NORTH
CMP	CORRUGATED METAL PIPE	OD	OUTER DIAMETER
CPP	CORRUGATED POLYETHYLENE PIPE	OZ/YD	OUNCE PER SQUARE YARD
DMH	DRAIN MANHOLE	PVC	POLYVINYL CHLORIDE
Е	EASTING, EAST	REQ'D	REQUIRED
EL.	ELEVATION	SCH	SCHEDULÉ
GA.	GAUGE	s	SOUTH
HDPE	HIGH DENSITY POLYETHYLENE	STA	STATION
INV	INVERT	SQ	SQUARE
MAX	MAXIMUM	SY	SQUARE YARD
MIN	MINIMUM	TLR	TURNKEY LANDFILL OF ROCHESTER
		TYP	TYPICAL

# LEGEND

# **EXISTING CONDITIONS**

# LIMIT OF WASTE CONTAINMENT TLR-IIIS PERMITTED LIMIT OF DISTURBANCE PROPERTY LINE • • • • • • • • • • • • • • • • TLR-I LIMIT OF WASTE CONTAINMENT 2-FOOT ELEVATION CONTOUR 10-FOOT ELEVATION CONTOUR EDGE OF ROAD - UNPAVED ROAD TREE LINE -- NG --- NG --- NATURAL GAS LINE — OE — OE OVERHEAD ELECTRIC WETLAND AREA RIPRAP-LINED SWALE

PAVEMENT

TREE/BUSH

# PROPOSED CONDITIONS

	LIMIT OF DISTURBANCE
	SLOPE BREAK
182	2-FOOT ELEVATION CONTOL
180	10-FOOT ELEVATION CONTO
=	EDGE OF GRAVEL
	SEDIMENT FILTER LOG
D D	DRAINAGE CULVERT
~~~~~~~	TREE LINE
THEOTHER	RIPRAP
2.0%	SLOPE AND DIRECTION
× 159,00	SPOT ELEVATION

- NOT FOR CONSTRUCTION

SANBORN ||||

-			
 Æ	7/9/21	REVISED NOTES TO ADDRESS NH FISH AND GAME COMMENTS	SAP
A	6/1/21	REVISED NOTES TO ADDRESS NH FISH AND GAME COMMENTS	KMA
NO.		DESCRIPTION	BY

DRAWN BY: S. PERRY DESIGNED BY: A. MATTHEWS REVIEWED BY: K. ANDERSON PROJECT MGR: A. MATTHEWS

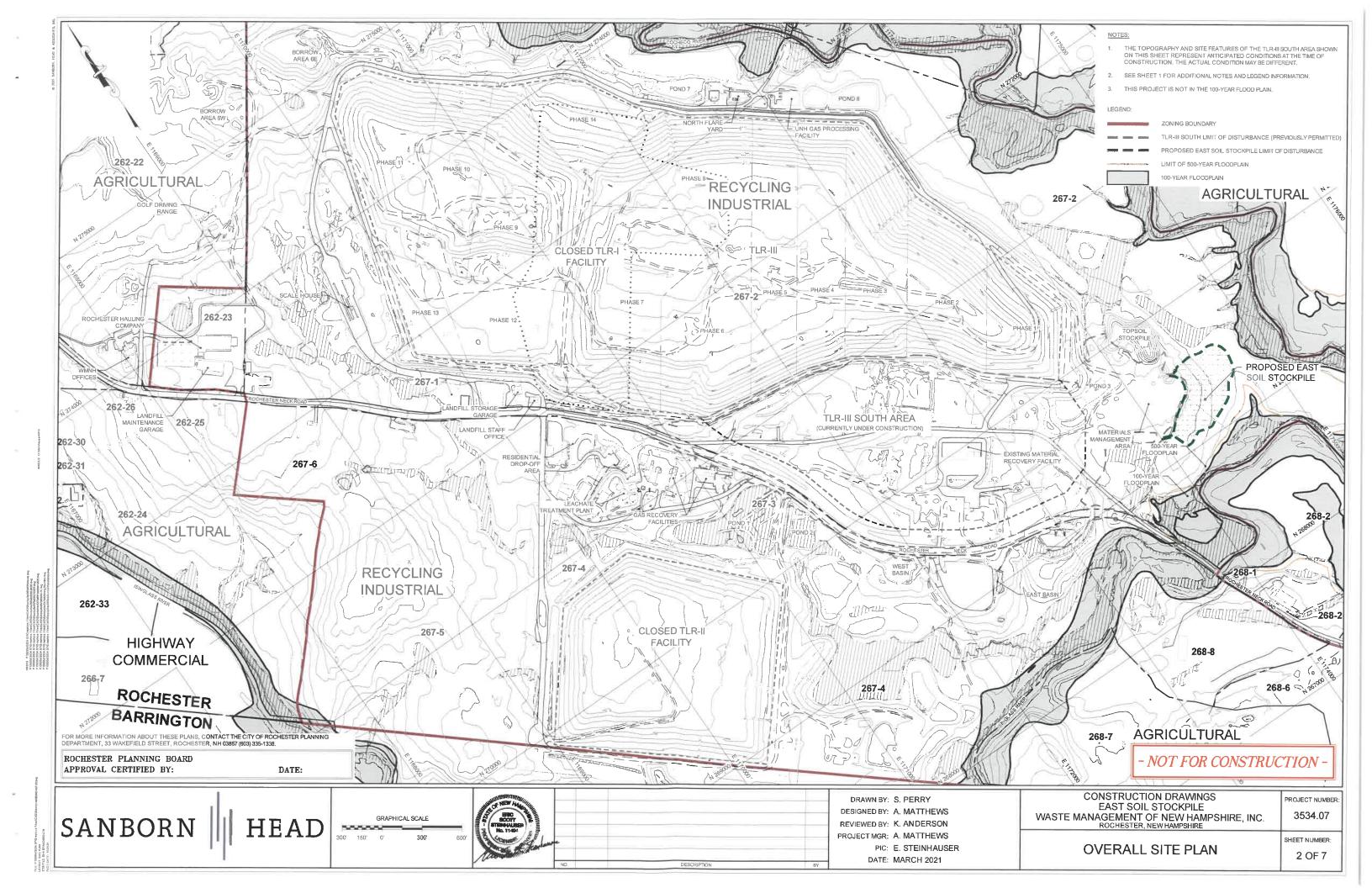
PIC: E. STEINHAUSER DATE: MARCH 2021

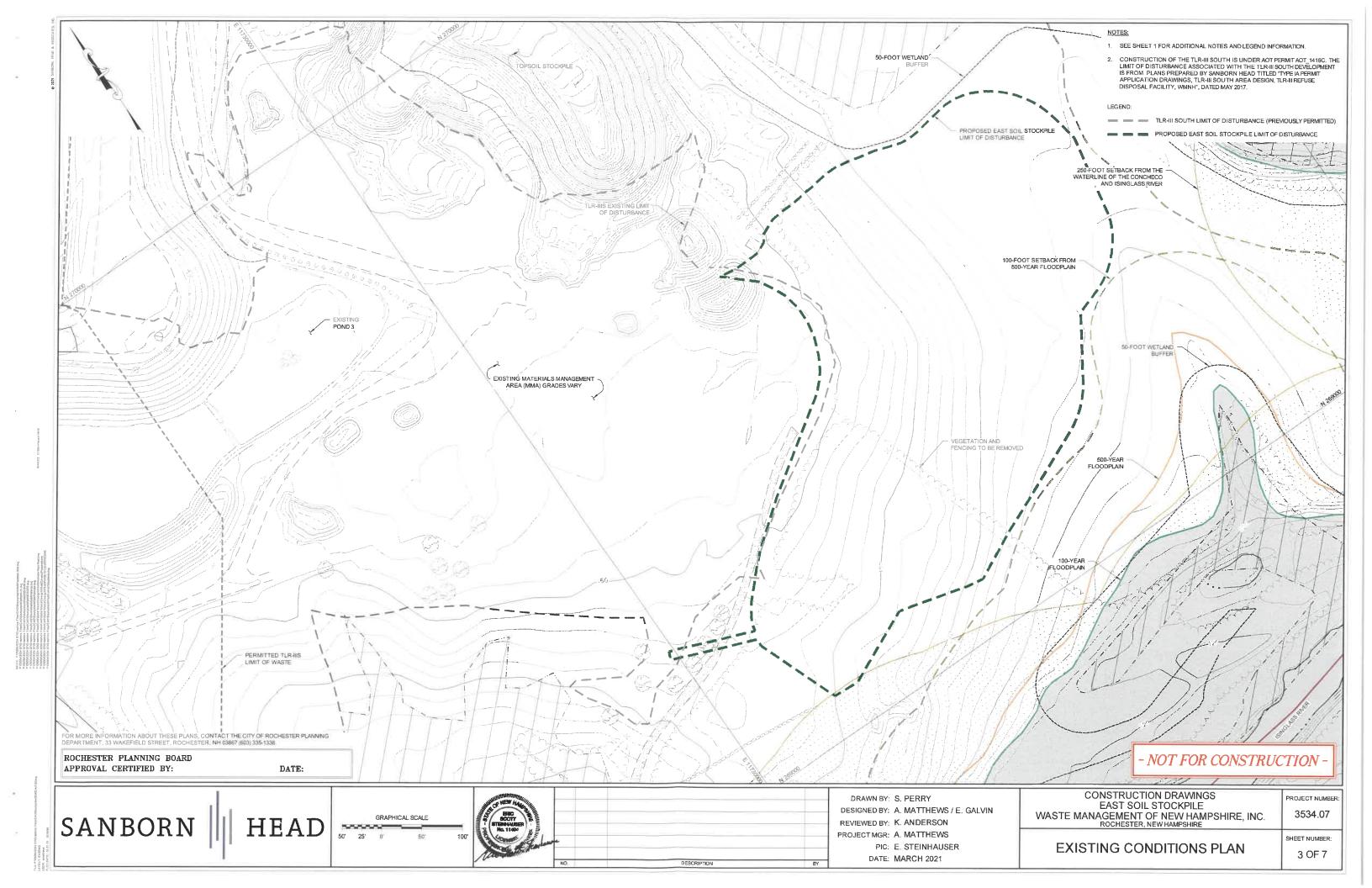
CONSTRUCTION DRAWINGS EAST SOIL STOCKPILE WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

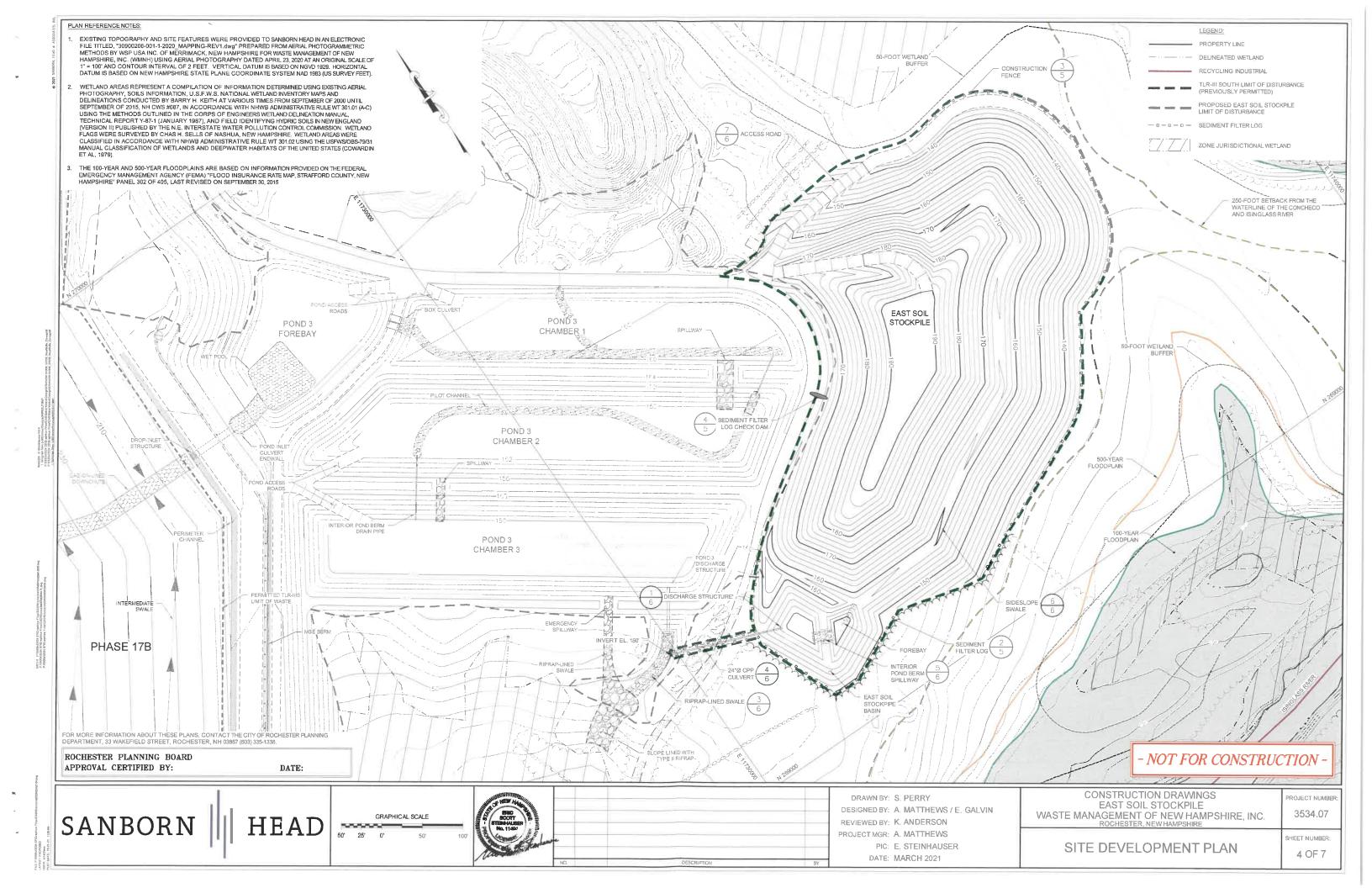
PROJECT NUMBER 3534.07

NOTES, ABBREVIATIONS, AND LEGEND

SHEET NUMBER: 1 OF 7







- PERFORM EARTHWORK ACTIVITIES SO THAT THE SMALLEST PRACTICAL AREA IS EXPOSED AT ANY ONE TIME PRIOR TO FINAL GRADING AND STABILIZING WITH SEED AND MULCH. UNSTABILIZED AREA SHALL BE LUMITED TO NOT MORE THAN 5 CONTIGUOUS ACRESAT ANY ONE TIME. THE TERM "STABLE" IS DEFINED AS MEETING ONE OF THE FOLLOWING CRITERIA:
  - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE RIPRAP HAS BEEN
- EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED
- APPLY SEED, LIME, FERTILIZER, AND HAY MULCH TO DISTURBED AREAS, NEWLY-PLACED FILL SLOPES, AND GRASS-LINED SWALES WITHIN 14 CALENDAR DAYS AFTER THE PERMANENT OR TEMPORARY (i.e., CONSTRUCTION ACTIVITIES WILL BE INACTIVE FOR 14 OR MORE CALENDAR DAYS) CESSATION OF EARTHWORK ACTIVITIES. ALSO APPLY SEED AND HAY MULCH TO THOSE AREAS THAT WILL NOT BE RE-DISTURBED FOR A PERIOD OF 30 DAYS OR MORE. HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TO 2 TONS PER ACRE.
- EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS AND AT THE DISCRETION OF THE ENGINEER AND OWNER. SEDIMENT FILTER LOGS SHALL BE INSTALLED ALONG THE CONTOUR AS SHOWN ON THE DRAWING OR AS DIRECTED BY THE OWNER. EROSION CONTROL FEATURES ARE TO BE MAINTAINED AND CLEANED UNTIL VEGETATIVE COVER IS
- ALL EROSION CONTROLS SUCH AS SEDIMENT FILTER LOGS SHALL BE INSPECTED WEEKLY DURING THE LIFE OF THE PROJECT AND AFTER EACH STORM EVENT THAT PRODUCES 0.25 INCHES OF RAINFALL. ALL DAMAGED SEDIMENT FILTER LOGS SHALL BE REPAIRED PROMPTLY.
- TRACK UP AND DOWN REGRADED SLOPES (GROUSER TRACKS PERPENDICULAR TO THE SLOPE)
- REMOVE SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITY AS NEEDED FROM DETENTION PONDS TO MAINTAIN STORAGE CAPACITY AND AT THE DIRECTION OF THE ENGINEER OF OWNER. DISPOSE SEDIMENT IN A SECURE LOCATION SO AS TO PREVENT SILTATION OF NATURAL
- REMOVE SEDIMENT BUILD UP FROM BEHIND EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES UNTIL FULL ESTABLISHMENT OF
- DITCHES, SWALES, AND PONDS SHALL BE INSTALLED EARLY ON IN THE CONSTRUCTION SEQUENCE (BEFORE ROUGH GRADING OF THE SITE) AND STABILIZED BEFORE RUNOFF IS DIRECTED TO THEM.
- PERFORM SOIL BORROW EXCAVATION ACTIVITIES IN SUCH A MANNER THAT ALL RUNOFF FROM THE EXCAVATION AREAS IS CONTAINED WITHIN THE EXCAVATION.
- THE PROJECT SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER Agr 3800 RELATIVE TO INVASIVE SPECIES.
- ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
- ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
- MUST INSTALL AND MAINTAIN ORANGE CONSTRUCTION FENCING (OR OTHER APPROPRIATE DEVICE) ALONG OUTER EDGE OF THE CONSTRUCTION ZONE, WHERE THERE ARE TREES, SHRUBS, OR OTHER RESOURCES WORTHY OF PROTECTION AND AROUND DESIGNATED TREES
- ALL STRIPPED TOPSOIL FROM SITE SHALL BE RETAINED, STABILIZED IN ACCORDANCE WITH NHDES STANDARDS, AND STOCKPILED ON SITE FOR REUSE ON SITE LATER, UNLESS OTHERWISE

- TOPSOIL SHALL BE FERTILE SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, FREE FROM ROOTS, STICKS, PEAT, WEEDS, AND SOD. IT SHALL NOT CONTAIN MATERIAL HARMFUL TO PLANT
- GRASS SEED SHALL BE FROM THE SAME OR PREVIOUS YEAR'S CROP; EACH VARIETY OF SEED SHALL HAVE A PERCENTAGE OF GERMINATION NOT LESS THAN NINETY (90), A PERCENTAGE OF PURITY NOT LESS THAN EIGHTY-FIVE (85), AND SHALL HAVE NOT MORE THAN ONE PERCENT (1%) WEED CONTENT.
- MULCH SHALL CONSIST OF DRY HAY OR STRAW AND BE FREE OF NOXIOUS WEEDS OR MOLD
- APPLICATION OF FERTILIZER, LIME, SEED, AND MULCH SHALL ONLY BE PERFORMED DURING THOSE PERIODS WITHIN THE SEASONS WHICH ARE NORMAL FOR SUCH WORK AS DETERMINED BY THE WEATHER AND LOCALLY ACCEPTED PRACTICE, AND AS APPROVED BY THE ENGINEER.
- ANY PART OF THE SEEDED AREA THAT FAILS TO YIELD AN ACCEPTABLE STAND OF GRASS AS DETERMINED BY THE ENGINEER OR OWNER SHALL BE RETREATED WITH ADDITIONAL SEED,
- SEED MIX SHALL BE NEW ENGLAND CONSERVATION/WILDLIFE MIX BY NEW ENGLAND WETLAND PLANT, INC. OR EQUIVALENT APPROVED BY THE ENGINEER AND SHALL BE APPLIED AT A RATE OF 25 POUNDS PER ACRE.

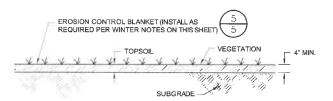
- ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR THAT ARE DISTURBED AFTER COTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH APP ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS:
- ALL DITCHES OR SWALES THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR THAT ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORABILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW
- AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A LAYER OF ATLEAST 3 INCHES THICK CRUSHED GRAVEL PER NHDOT ITEM 304.3.

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

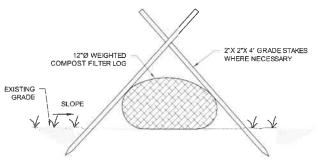
ROCHESTER PLANNING BOARD

APPROVAL CERTIFIED BY:

DATE:

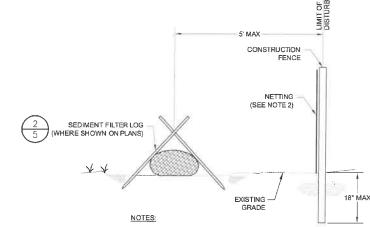


# TOPSOIL AND SEED



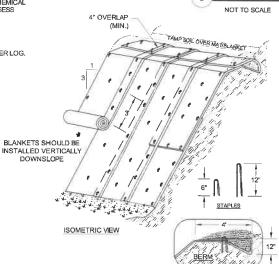
- SEDIMENT FILTER LOG SHALL BE SILTSOXX NATURAL PLUS BY FILTREXX, OR AND EQUIVALENT PRODUCT MADE OF WOVEN ORGANIC MATERIALS APPROVED BY THE ENGINEER.
- SEDIMENT FILTER LOGS SHALL BE A COMPOST-FILLED BIO- OR PHOTO-DEGRADABLE TUBULAR MESH PRODUCT CAPLE OF TRAPPING SEDIMENT BEFORE OR WITHIN THE DEVICE WHILE ALLOWING STORMWATER RUNOFF TO PASS THROUGH.
- THE MESH SHALL BE OF NATURAL BIODEGRADABLE MATERIALS TO AVOID PROBLEMS WITH THE SOCK TRAPPING ENDANGERED SNAKES OR LIZARDS, SUCH AS BIODEGRADABLE JUTE, SISAL, BURLAP, OR COIR FIBER FABRIC.
- THE MESH FABRIC SHALL BE CLEAN, EVENLY WOVEN, AND FREE OF ENCRUSTED CONCRETE OR OTHER CONTAMINATING MATERIALS AND FREE FROM CUTS, TEARS, BROKEN OR MISSING YARNS AND THIN, OPEN OR WEAK PLACES.
- EACH SEDIMENT FILTER LOG SHALL HAVE A DIAMETER OF NO LESS THAN 8 INCHES.
- THE MESH OPENING SHALL BE NO SMALLER THE 1/8 INCH.
- THE COMPOST SHALL BE DERIVED FROM GREEN MATERIAL CONSISTING OF CHIPPED, SHREDDED, OR GROUND VEGETATION, OR CLEAN RECYCLED WOOD PRODUCTS, AND BE REASONABLY FREE OF VISIBLE CONTAMINANTS. IT SHALL NOT BE DERIVED FROM MIXED MUNICIPAL SOLID WASTE AND SHALL NOT CONTAIN PAINT, PETROLEUM PRODUCTS, PESTICIDES, OR ANY OTHER CHEMICAL RESIDUES HARMFUL TO ANIMAL LIFE OR PLANT GROWTH, THE COMPOST SHALL NOT POSSESS OBJECTIONABLE ODORS.
- THE SEDIMENT FILTER LOG MUST HAVE A MINIMUM DURABILITY OF ONE YEAR AFTER
- STUMP GRINDINGS EROSION CONTROL BERMS MAY BE USED IN PLACE OF SEDIMENT FILTER LOG.

# SEDIMENT FILTER LOG



- INSTALL CONSTRUCTION FENCE ALONG THE LIMIT OF DISTURBANCE
- CONSTRUCTION FENCE SHALL BE ORANGE HEAVY-DUTY DIAMOND GRID CONSTRUCTION SNOW/BARRIER FENCE.
- CONSTRUCTION FENCE SHALL BE INSTALLED ON TEMPORARY STAKES INSTALLED 6-FOOT ON CENTER.

# CONSTRUCTION FENCE



EROSION CONTROL BLANKETS SHALL BE ROLLMAX BIONET SC150BM BY NORTH AMERICAN GREEN, OR EQUIVALENT PRODUCT MADE OF WOVEN ORGANIC MATERIALS APPROVED BY THE ENGINEER.

# SLOPE INSTALLATION

- DIMENSIONS GIVEN IN THE DRAWINGS ARE EXAMPLES; MATERIAL SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
- 3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE

SOURCE: "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3 EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" REVISION 1.0, DECEMBER 2008, PAGE 74.

# **EROSION CONTROL BLANKET INSTALLATION**

SEDIMENT FILTER LOG CHECK DAM

ANCHORING (ELEVATION VIEW)

EXISTING SOIL

- NOT FOR CONSTRUCTION

SANBORN ||| HEAD



TWO (2) 2"x2" STAKES

DRAWN BY: S. PERRY DESIGNED BY: A. MATTHEWS REVIEWED BY: K. ANDERSON

PROJECT MGR: A. MATTHEWS

PIC: E. STEINHAUSER DATE: MARCH 2021

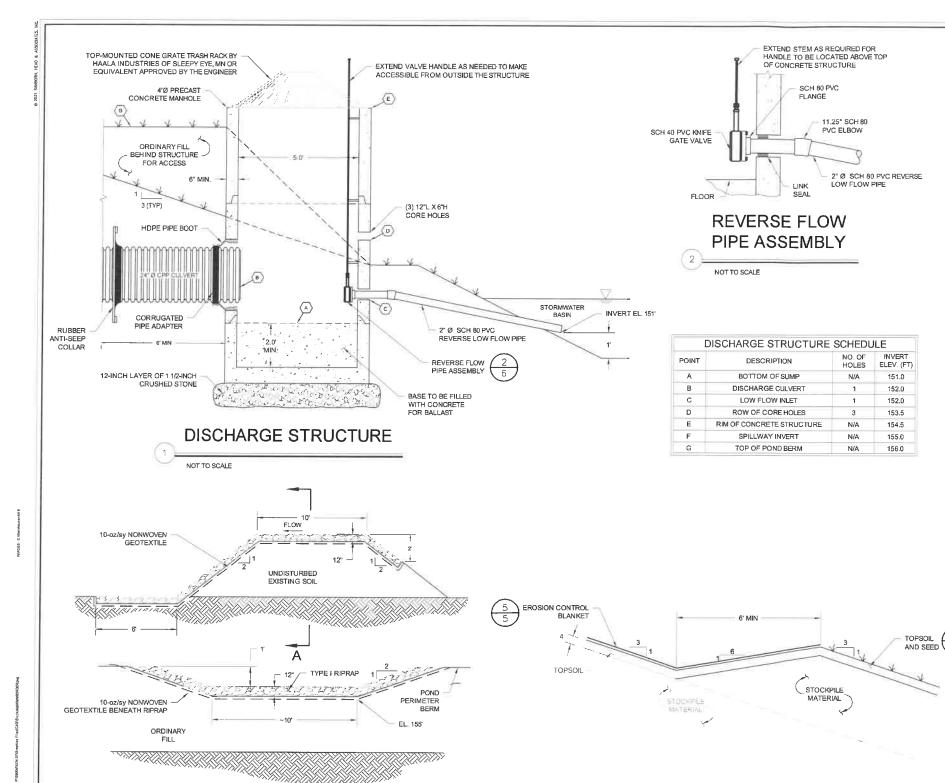
CONSTRUCTION DRAWINGS EAST SOIL STOCKPILE WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE

**EROSION AND SEDIMENT CONTROL NOTES AND DETAILS** 

3534.07

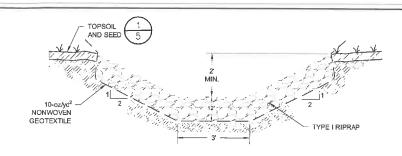
PROJECT NUMBER

5 OF 7



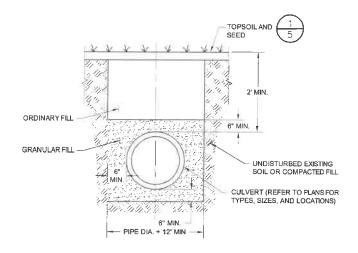
SIDESLOPE SWALE

NOT TO SCALE



# RIPRAP-LINED SWALE

NOT TO SCALE (TRAPEZOIDAL)



# **CULVERT TRENCH (TYPICAL)**

NOT TO SCALE

15' (TYP)

# **ACCESS ROAD**

- NOT FOR CONSTRUCTION

SANBORN

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD

APPROVAL CERTIFIED BY:

SECTION A-A': SECTION THROUGH

RIPRAP-LINED SPILLWAY

INTERIOR POND BERM SPILLWAY

DATE:

SCALE: AS NOTED



DRAWN BY: S. PERRY DESIGNED BY: A. MATTHEWS REVIEWED BY: K. ANDERSON

PROJECT MGR: A. MATTHEWS PIC: E. STEINHAUSER DATE: MARCH 2021

**CONSTRUCTION DRAWINGS** EAST SOIL STOCKPILE
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

EAST SOIL STOCKPILE POND DETAILS

SHEET NUMBER:

PROJECT NUMBER

3534.07

6 OF 7

# PLEASE REPORT OBSERVATIONS OF **RARE TURTLES**

The NH Fish & Game Department is requesting observations of the following turtle species



Blanding's turtle (State Endangered)

Large, dark/black domed shell with lighter speckles.

Distinct yellow throat/chin.

Aquatic but often moves on land



# Spotted turtle (State Threatened)

Small, mostly aquatic with black or dark brown with ellow spots.

Fairly flat shell compared to Blanding's turtle.

Spots vary in color and

SCALE: AS NOTED

Report sightings immediately to NHFG Wildlife Division at 603-271-2461 (M-F 8-4) or to NHFG Wildlife Biologist Melissa Doperalski 603-479-1129 (cell) anytime.

# **Northern Black Racer**

(New Hampshire state threatened species)





- and chin
- Slender with glossy scales, 3-6 ft. long
- Hatchlings are very small and



Immediately report sightings to NH Fish and Game Melissa Doperalski (603-419-1129) or Brendan Clifford (603-944-0885)

Please report promptly, noting specific location and date Photographs strongly encouraged



# 

(New Hampshire Species of Special Concern)



- Neck and forelimbs are orange.
- Characterized by its highly sculpted shell with each large scute taking on an irregular pyramidal shape.
- Adults can be 5-8 inches long.





Please report sightings to NH Fish and Game at RAARP@wildlife.nh.gov or at 603-271-2461. Photo documentation, location, and date/time of observation is helpful.

NOTE: It is illegal to remove a wood turtle from the wild (RSA 207:1, FIS 804.02).

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD APPROVAL CERTIFIED BY:

- NOT FOR CONSTRUCTION PROJECT NUMBER

SANBORN |||| HEAD

REVISED NOTES TO ADDRESS NH FISH AND GAME COMMENTS

DRAWN BY: S. PERRY DESIGNED BY: A. MATTHEWS REVIEWED BY: K. ANDERSON

PROJECT MGR: A. MATTHEWS PIC: E. STEINHAUSER DATE: MARCH 2021

CONSTRUCTION DRAWINGS EAST SOIL STOCKPILE WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE

3534.07 SHEET NUMBER:

POTENTIAL THREATENED OR **ENDANGERED SPECIES FLYERS** 

7 OF 7