

TLR-III SOUTH AREA SITE PLAN APPLICATION DRAWINGS
TLR-III REFUSE DISPOSAL FACILITY
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

ROCHESTER, NEW HAMPSHIRE

OCTOBER 2017

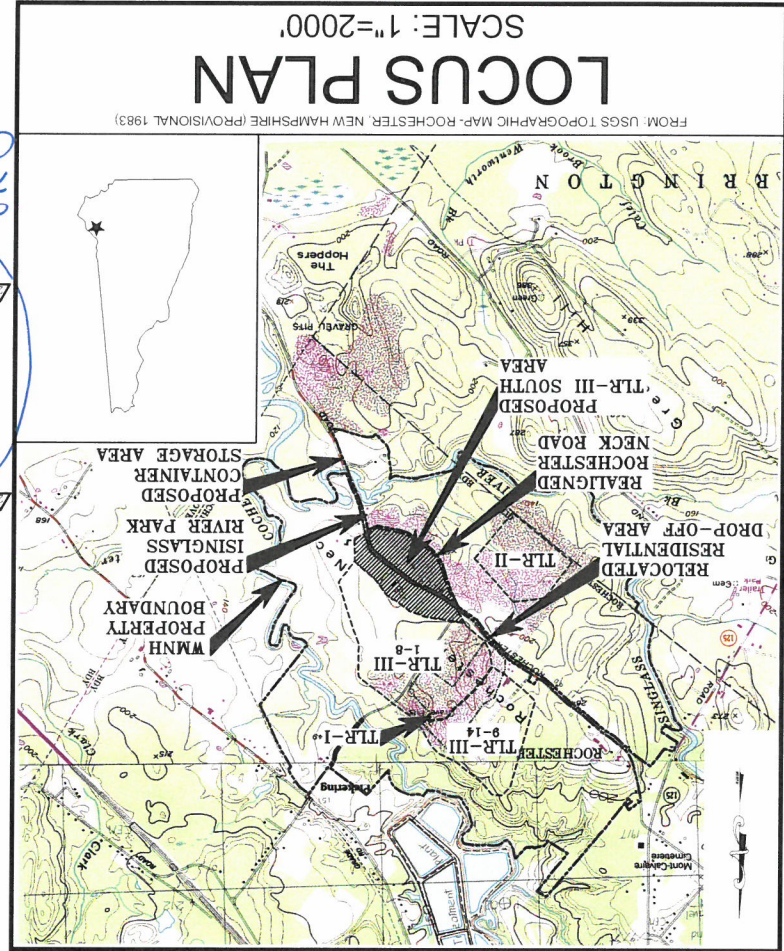
(REVISED JANUARY 2019)

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* Road plan are located at DPU



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

ROCHESTER, NEW HAMPSHIRE

SANBORN HEAD

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



Certified 1/29/19
Scott J. Gough
Chief Planner

Waste Management
267/668-2+3/2+2-1 - RI/A17
Certified



SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: T. REED
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHÄUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
ABBREVIATIONS
NOTES, LEGEND, AND
PROJECT NUMBER: 3534.03
SHEET NUMBER: I - 1

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338

1. IF MORE THAN 5,000 CUBIC YARDS ARE TO BE BLASTED, WMNH SHALL DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE AND NITRITE IN DRINKING WATER SUPPLY WELLS OR OTHER WELLS REPRESENTATIVE OF DRINKING WATER SUPPLY WELLS IN THE AREA. BASED ON A REVIEW OF THE WHDES STOP DATABASE, THERE ARE FOUR DRINKING WATER WELLS LOCATED WITHIN 2,000 FEET OF THE PROPOSED BLASTING ACTIVITIES. WRB #203.0303 FLEMING, WRB #203.0126 BOUGIE & LABBE CONSTRUCTION, INC., AND WRB #203.0009 DESMARDES.
2. THE FOLLOWING BEST MANAGEMENT PRACTICES FOR BLASTING SHALL BE COMPLIED WITH:
- A. LOADING PRACTICES. THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
- DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS.
 - DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
 - SPLATAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
 - LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNIGHT. UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY INDICATE THAT DETONATION SHOULD BE POSTPONED.
 - LOADING EQUIPMENT SHALL BE CLEANED OFF-SITE WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT.
 - EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRIALLY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE, NEED TO BE ATTENDED TO WHEN EXPLOSIVES ARE USED.
 - EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION.
 - EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS. PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER.
 - PREVENTION OF MISFIRES. APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
 - MUCK PILE MANAGEMENT. MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES:
 - REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE.
 - MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT CONTAMINATION OF WATER SUPPLY WELLS OR SURFACE WATER.

ROCK REMOVAL

MATERIAL SPECIFICATIONS

1. EXISTING TOPOGRAPHY AND SITE FEATURES WERE PROVIDED TO SANBORN HEAD IN ELECTRONIC FILES TITLED "TREET6-01.DWG" THROUGH "TREET6-12.DWG" COMPILED USING PHOTOGRAMMETRIC METHODS BY QUANTUM SPATIAL OF DULLES, VIRGINIA FOR WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. (WMNH) USING AERIAL PHOTOGRAPHY DATED APRIL 21, 2016 AT AN ORIGINAL SCALE OF 1" = 100' AND CONTAINING INTERVALS OF 2 FEET. 10 FEET PHOTOGRAPHY WAS MODIFIED IN THE AREA OF THE LEACHATE TREATMENT PLANT TO REFLECT CHANGES MADE AS PART OF THE LEACHATE TREATMENT PLANT EXPANSION PROJECT COMPLETED IN 2016-2017.
2. VERTICAL DATUM IS BASED ON NGVD 1929. GRID IS BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD 1983.
3. TLR-III LIMIT OF WASTE WAS TAKEN FROM A PLAN TITLED "TLR-III PHASING PLAN" PREPARED BY RICHARD F. KAMINSKI & ASSOCIATES, INC. OF LAWRENCE, MASSACHUSETTS DATED MAY 27, 1998 AT A SCALE OF 1" = 100'.
4. TLR-III PHASE 1-18 LIMIT OF WASTE CONTAINMENT WAS TAKEN FROM DRAWINGS PREPARED FOR WMNH TITLED "MECHANICALLY STABILIZED (LMS) BEAM EXPANSION" BY GOLDBER ASSOCIATES OF MANCHESTER, NEW HAMPSHIRE, DATED AUGUST 2001, ORIGINAL SCALE OF 1" = 200'.
5. TLR-III PHASES 9-14 LIMIT OF WASTE CONTAINMENT WAS TAKEN FROM SHEET 3 OF DRAWINGS PREPARED FOR WMNH TITLED "TLR-III REFUSE DISPOSAL FACILITY PHASES 9-14" BY SANBORN HEAD DATED DECEMBER 2003, REVISED JUNE 2004, ORIGINAL SCALE OF 1" = 120'.
6. WETLAND AREAS ARE PRESENT IN A COMPILED INFORMATION DETERMINED USING EXISTING AERIAL PHOTOGRAPHY, SOILS INFORMATION, U.S. NATIONAL WETLAND AND WOODLAND MAPS, AND DATA FROM THE PROJECT AREA CONDUCTED IN OCTOBER AND DECEMBER 2014 AND SUPPLEMENTED WITH ADDITIONAL DELINEATIONS PERFORMED BETWEEN 2000 AND JUNE 2015 BY BARRY H. KELLER, NH ENGINEER #0871, IN ACCORDANCE WITH NHMB ADMINISTRATIVE RULE WT 301.01 (4-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 III) PUBLISHED WATER POLLUTION CONTROL COMMISSION WETLAND AREAS WERE CLASSIFIED IN ACCORDANCE WITH NHMB ADMINISTRATIVE RULE WT 301.02 USING THE USFWS/OBS-79/31 MANUAL CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES (COMBINATION ET AL 1979).
7. LIMIT OF WETLANDS PERTINENT TO THE TLR-III SOUTH AREA WERE MAPPED BY WSP TRANSPORTATION AND INFRASTRUCTURE, INC. USING TOTAL STATION SURVEY METHODS AND PROVIDED ELECTRONICALLY ON NOVEMBER 7, 2014 AND FEBRUARY 3, 2015, AND SUPPLEMENTED WITH LIMIT OF WETLANDS PREVIOUSLY Delineated IN 2000 AND 2008.
8. EXISTING MONITORING WELL AND GAS PROBE LOCATIONS WERE PROVIDED TO SANBORN HEAD BY WMNH.
9. PROPERTY LINE INFORMATION WAS TAKEN FROM A PLAN TITLED "BOUNDARY COMPILED AND FOOTPRINT COMPILED OF TLR-III AND TLR-III ROCHESTER WASTE ROAD CORP." NEW HAMPSHIRE, PREPARED BY WMNH.
10. THE 100-YEAR FLOODPLAIN IS BASED ON INFORMATION PROVIDED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP STRAFORD COUNTY, NEW HAMPSHIRE, PANEL 302 OF 405, EFFECTIVE DATE SEPTEMBER 30, 2015.
11. PROPOSED GRADING SHOWN WITHIN TLR-III PHASES 1-14 FOOTPRINT REPRESENTS THE PERMITTED FINAL GRADES FOR THE TLR-III REFUSE DISPOSAL FACILITY AS DEPICTED IN THE PHASES 9-14 TYPE 1A PERMIT MODIFICATION APPLICATION DRAWINGS.

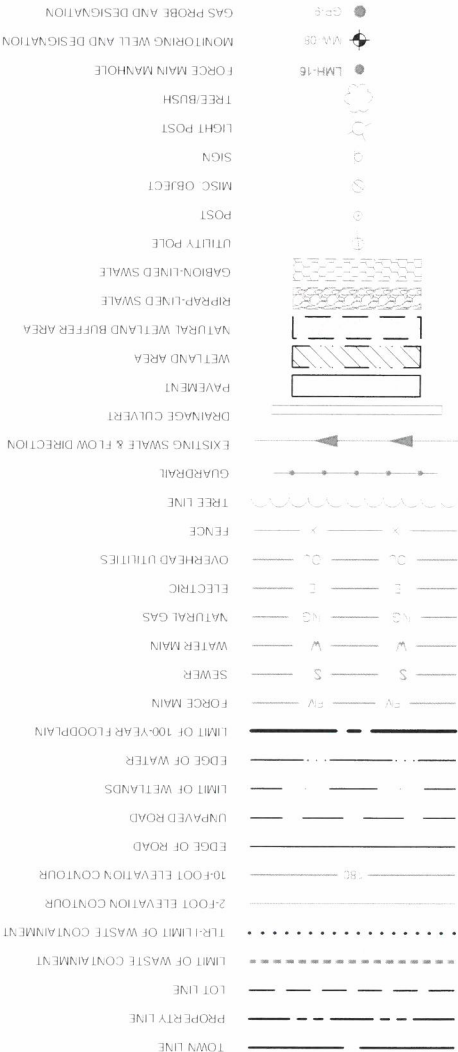
REFERENCE NOTES

ROCK REMOVAL (CONT.)

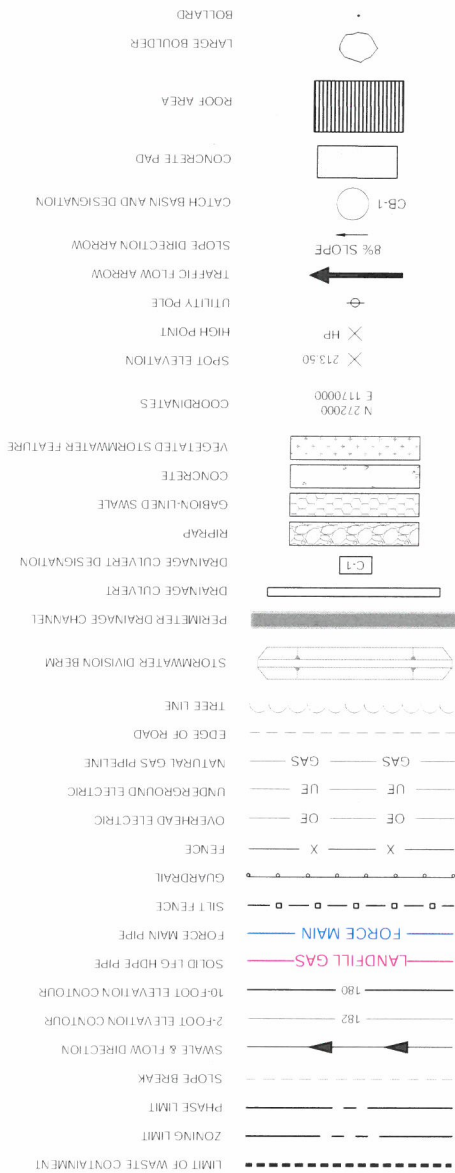
ABBREVIATIONS

1. THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
- STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE.
 - SECURE STORAGE AREAS AGAINST HORIZONTAL ENTRY.
 - LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY.
 - INSPECT STORAGE AREAS WEEKLY.
 - COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS WHERE POSSIBLE. KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 30 FEET FROM SURFACE WATER AND STORM DRAINS. 75 FEET FROM PRIVATE WELLS AND 400 FEET FROM PUBLIC WELLS AND
 - SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE.
 - WATER AND STORM DRAINS. 75 FEET FROM PRIVATE WELLS AND 400 FEET FROM PUBLIC WELLS AND
 - PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
- II. THE TRAINING OF ON-SITE EMPLOYEES AND THE ON-SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES.
- III. FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NOTE: THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT, SEE [HTTP://DES.NH.GOV/ORGANIZATION/COMMISSIONER/PDFS/ACTSHEETS/DWGB-DOCUMNTS/DWGB-22-6-PDF](http://des.nh.gov/organization/commissioner/pdfs/actsheets/DWGB-DOCUMNTS/DWGB-22-6-PDF)).
- IV. FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NOTE: THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT, SEE [HTTP://DES.NH.GOV/ORGANIZATION/COMMISSIONER/PDFS/ACTSHEETS/DWGB-DOCUMNTS/DWGB-22-6-PDF](http://des.nh.gov/organization/commissioner/pdfs/actsheets/DWGB-DOCUMNTS/DWGB-22-6-PDF)).

EXISTING CONDITIONS

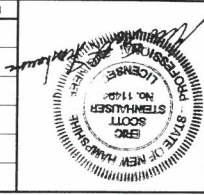


PROPOSED CONDITIONS





SANBORN HEAD



NO	DATE	DESCRIPTION	BY

DRAWN BY: T. REED / A. MATTHEWS
DESIGNED BY: T. REED
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

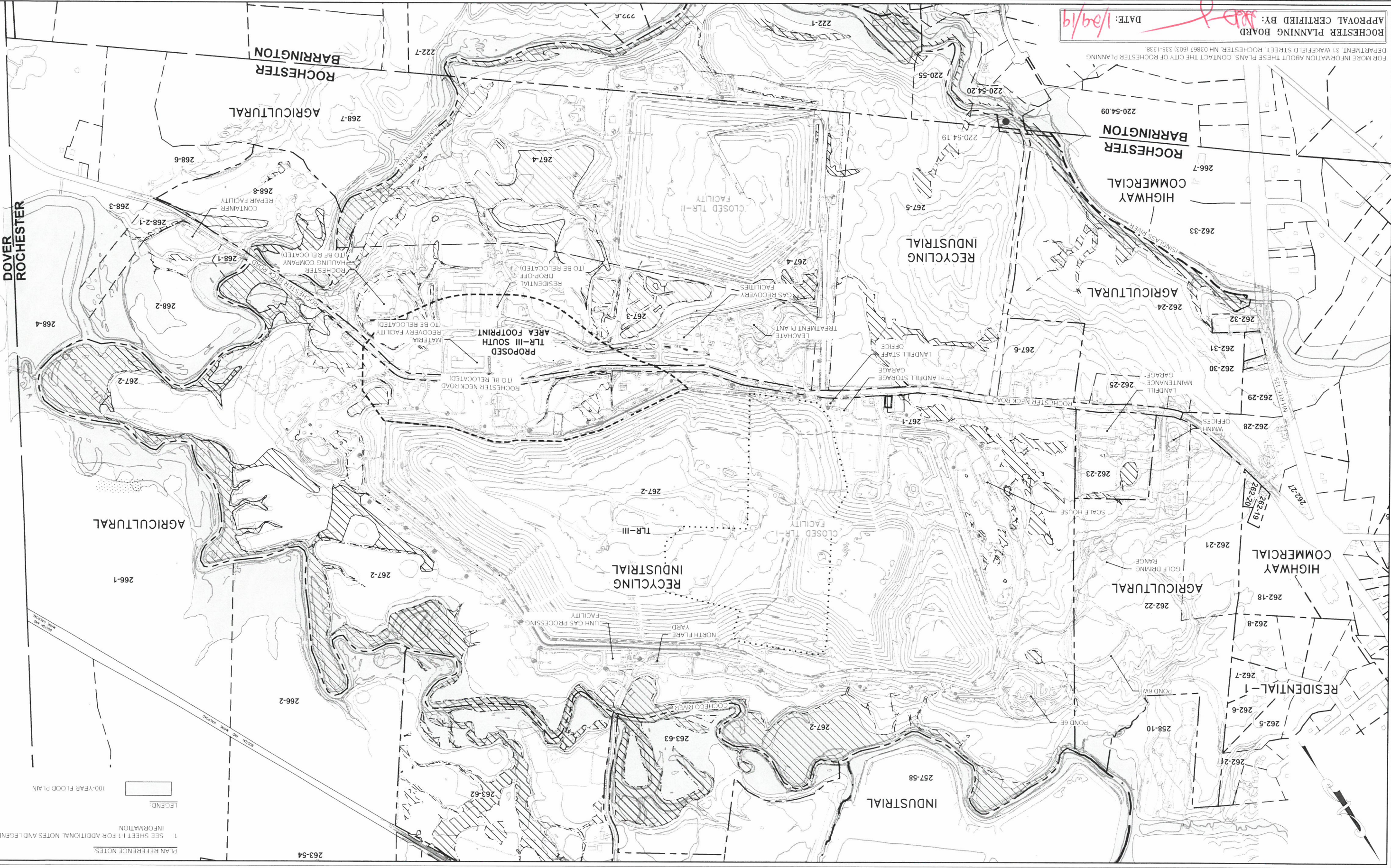
TLR-III SOUTH AREA SITE PLAN APPLICATION
TLR-III REFUSE DISPOSAL FACILITY
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

OVERALL SITE PLAN

OVERALL SITE PLAN

SP - 1

PROJECT NUMBER 3534.03



ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:
DATE: 1/29/19

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

PLAN REFERENCE NOTES:

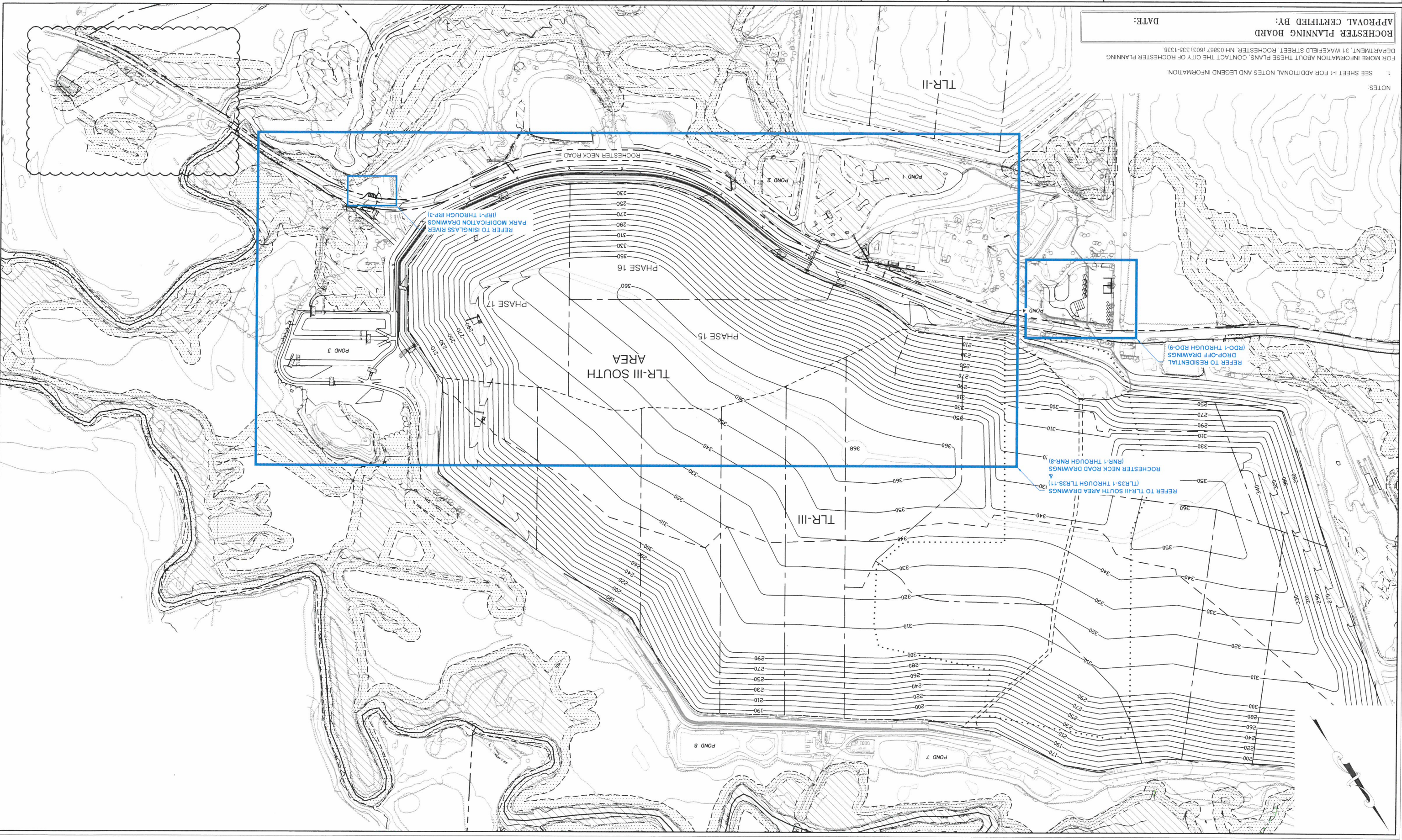
SEE SHEET 1-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.

LEGEND:

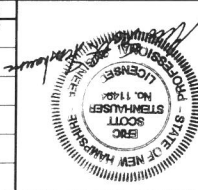
100-YEAR FLOOD PLAIN

NO	DATE	DESCRIPTION	BY
1	11/4/19	CONTAINER STORAGE AREA DRAWINGS WITHDRAWN FROM APPLICATION	EAG

DRAWN BY: A. MATTHEWS DESIGNED BY: E. GALVIN REVIEWED BY: E. GALVIN PROJECT MGR: T. REED PIC: E. STEINHAUSER DATE: OCTOBER 2017		TLR-III SOUTH AREA SITE PLAN APPLICATION TLR-III REFUSE DISPOSAL FACILITY WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE		OVERALL SITE DEVELOPMENT AND INDEX PLAN		SHEET NUMBER: SP - 2	
PROJECT NUMBER: 3534.03							



SANBORN HEAD



NO.	DATE	DESCRIPTION
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DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHILBER
DATE: OCTOBER 2017

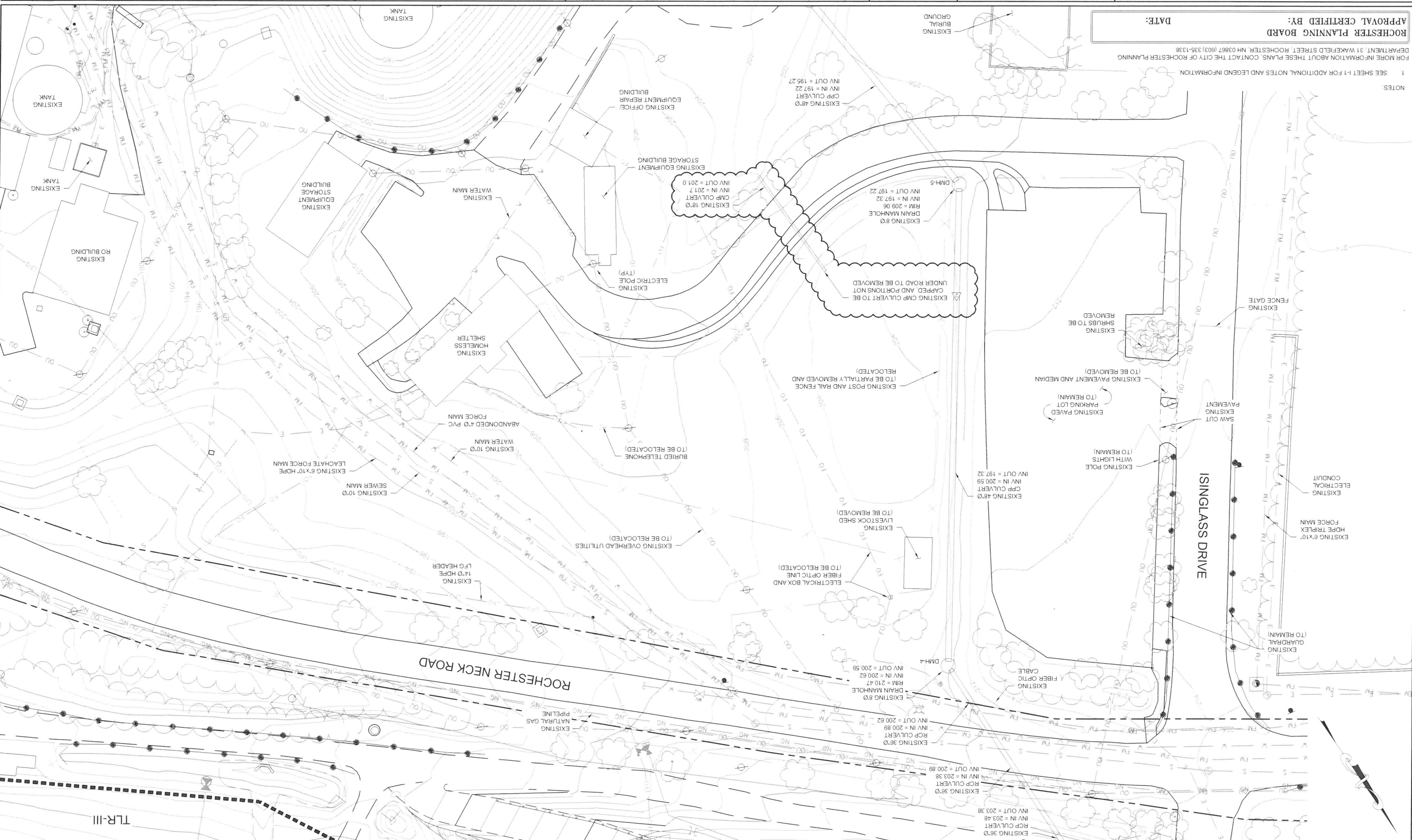
TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
PROJECT NUMBER: 3534.03
SHEET NUMBER: RDO - 1

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 935-1338

1 SEE SHEET 1-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION

NOTES:





NO	DATE	DESCRIPTION
1	10/31/17	REVISED WINDOW AREA DRAINAGE & SNOW STORAGE AREAS
2	1/14/19	AND SHOW EXISTING CURVE BEING DECOMMISSIONED
3	1/14/19	REVISED NOTES, MODIFIED SUBSURFACE DRAINAGE SYSTEM, RELOCATED UTILITIES
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DRAWN BY: E. GALVIN
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAEUSER
DATE: OCTOBER 2017



NOTES
1. SEE SHEET 1-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
2. APPROXIMATELY 0.3 ACRES ARE AVAILABLE AND SPECIFIED ON THE PLAN ABOVE TO PROVIDE SUFFICIENT SNOW STORAGE FOR THE 2.3 ACRES OF PROPOSED CLEARED AREA WMNH WILL HAUL SNOW TO ON-SITE STOCKPILE AREAS IF NEEDED.
3. THE PROPERTY OWNER SHALL WORK WITH THE CITY OF ROCHESTER PLANNING DEPARTMENT STAFF DURING CONSTRUCTION TO DETERMINE THE MOST APPROPRIATE BUFFER BETWEEN THE PROPOSED DROP-OFF AREA AND THE EXISTING HOMELESS SHELTER.
4. THE WINDOW AREA SWALE IS TO BE VEGETATED (GRASS SEED IS ACCEPTABLE).

ROCHESTER PLANNING BOARD
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DATE:
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NO.	DATE	DESCRIPTION	BY
10/3/17	10/3/17	UPDATED GRAVEL ROAD SIGN AND NEW SIGNAGE SCHEDULE ACCORDINGLY	MNH
1/14/19	1/14/19	UPDATED YARD WASTE DROP OFF SIGN LOCATION	APM

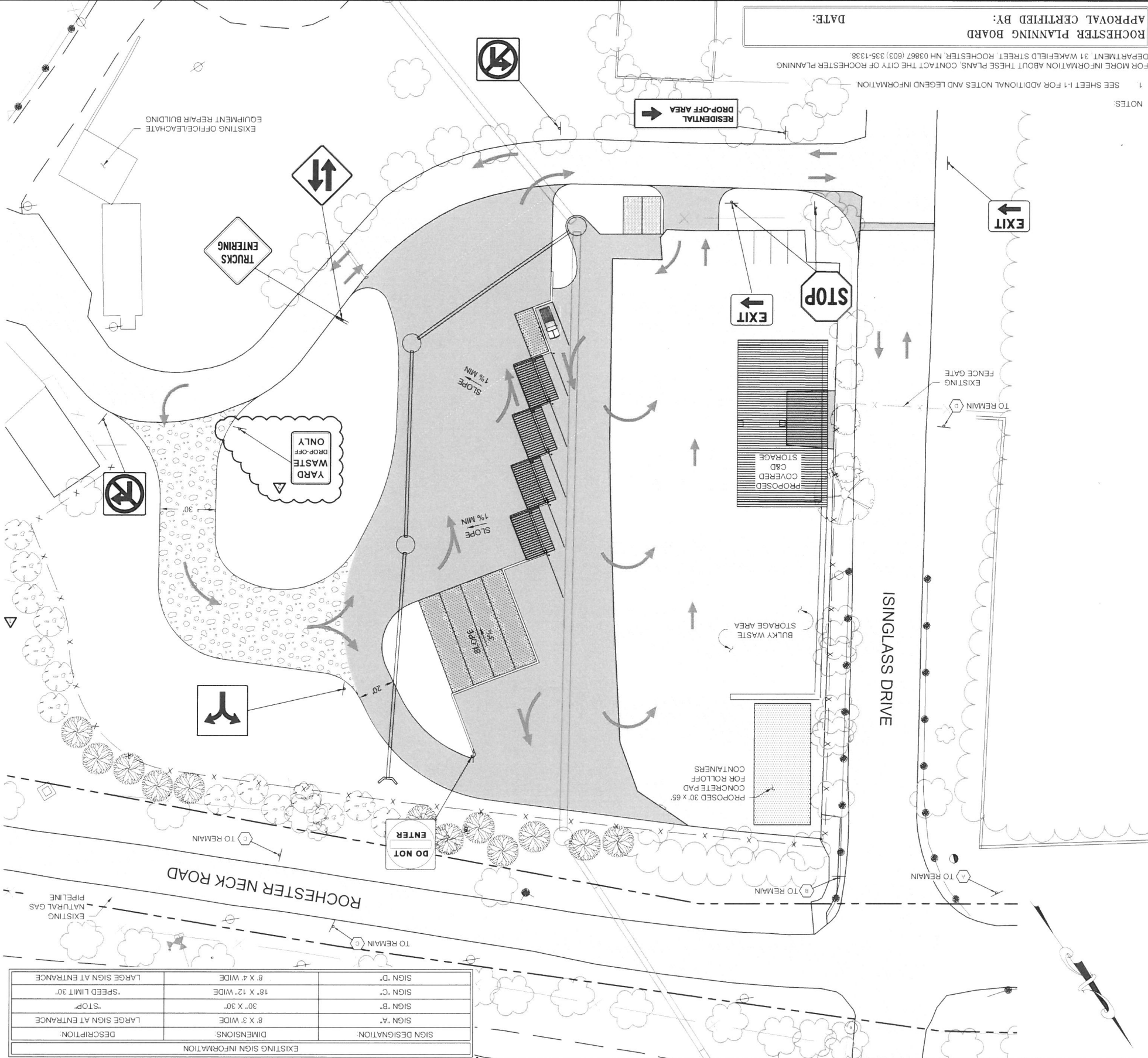
DRAWN BY: T. REED
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHÄUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
SIGNAGE PLAN
RDO - 3

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338

NOTES:
1. SEE SHEET 1-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION

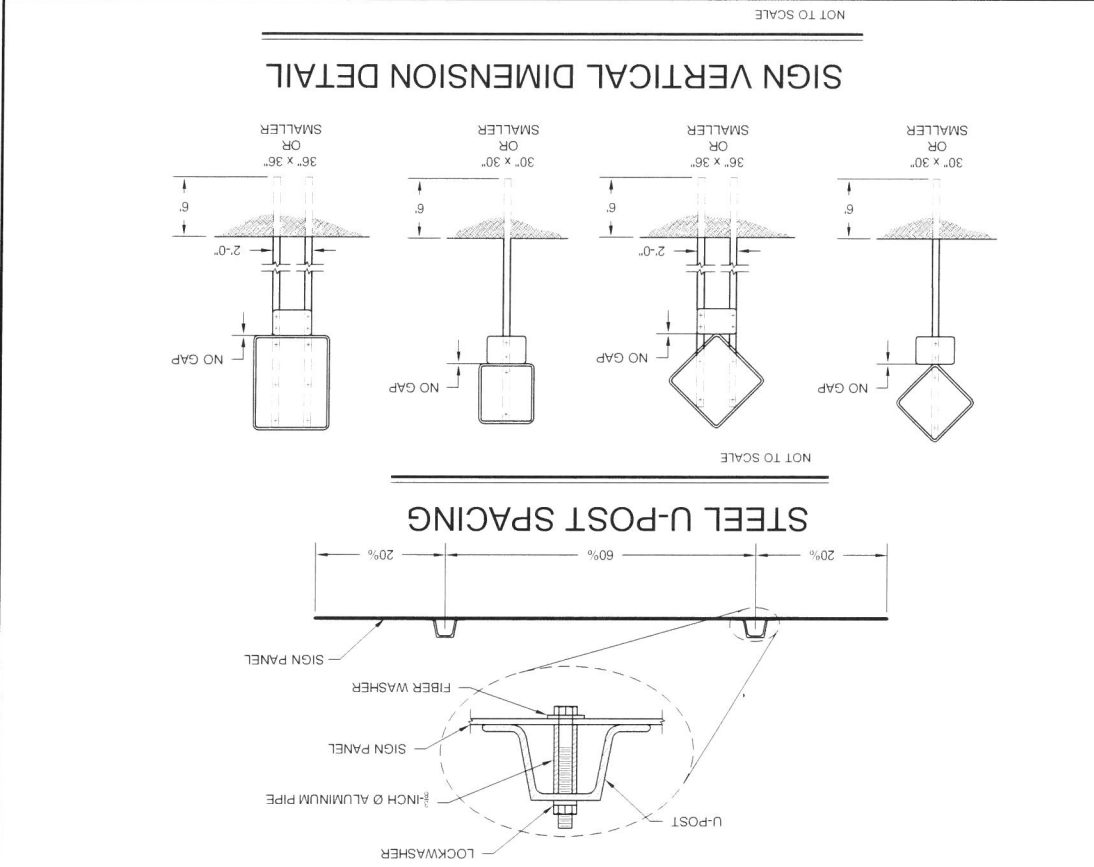


EXISTING SIGN INFORMATION	
SIGN DESIGNATION	DIMENSIONS
SIGN "A"	8' X 3' WIDE
SIGN "B"	30" X 30"
SIGN "C"	18" X 12" WIDE
SIGN "D"	8' X 4' WIDE
LARGE SIGN AT ENTRANCE	
SPEED LIMIT 30"	
LARGE SIGN AT ENTRANCE	
NEW SIGNAGE SCHEDULE	
MUTCD IDENTIFICATION NUMBER	REQUIRED SIGNS
HEIGHT (INCHES)	WIDTH (INCHES)
LETTER HEIGHT (INCHES)	ARROW LENGTH (INCHES)
TEXT	
R1-1	STOP
R3-1	DO NOT ENTER
R3-2	DO NOT ENTER
R5-1	DO NOT ENTER
W6-3	TRUCKS ENTERING
W14-B3	TRUCKS ENTERING
R3-8(7)	TRUCKS ENTERING
---	RESIDENTIAL DROP-OFF AREA
---	EXIT
---	YARD WASTE DROP-OFF ONLY

NEW SIGNAGE SCHEDULE

MUTCD IDENTIFICATION NUMBER	REQUIRED SIGNS	HEIGHT (INCHES)	LETTER HEIGHT (INCHES)	ARROW LENGTH (INCHES)	VERTICAL DISTANCE BETWEEN SIGNS (FT.)
R1-1	STOP	30	30	---	5"
R3-1	DO NOT ENTER	24	24	---	6
R3-2	DO NOT ENTER	24	24	---	6
R5-1	DO NOT ENTER	30	30	---	5
W6-3	TRUCKS ENTERING	36	36	---	5"
W14-B3	TRUCKS ENTERING	36	36	---	5"
R3-8(7)	TRUCKS ENTERING	24	24	---	5
---	RESIDENTIAL DROP-OFF AREA	12	36	---	5
---	EXIT	12	24	---	5"
---	YARD WASTE DROP-OFF ONLY	24	18	---	5

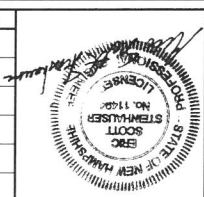
NOTES:
1. WHEN SIGNS SHARE A SUPPORT, INSTALL SIGNS SUCH THAT THERE IS NO GAP BETWEEN SIGNS, AND THE VERTICAL DISTANCE RELATES TO THE TOP SIGN.
2. 5-INCH WIDE ARROW SHAFT.
3. ARROW DESIGN SHALL CONFORM TO THE DETAILS DIMENSIONS PROVIDED IN THE "STANDARD HIGHWAY SIGN MANUAL," 2004 EDITION, PAGE 6-2, FOR A



SANBORN

HEAD

SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY

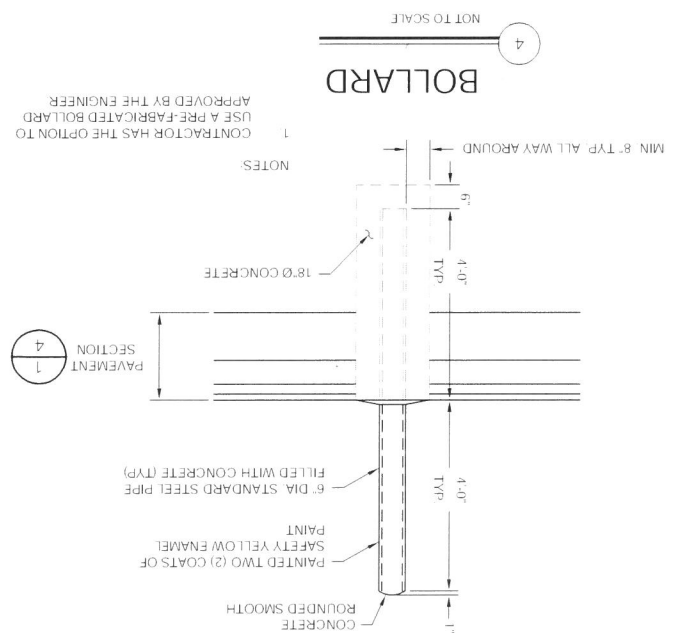
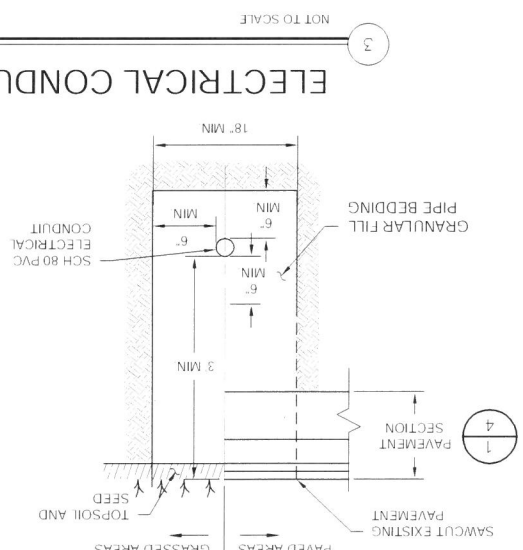
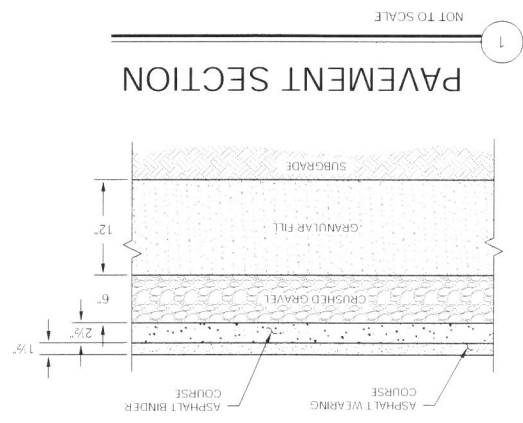
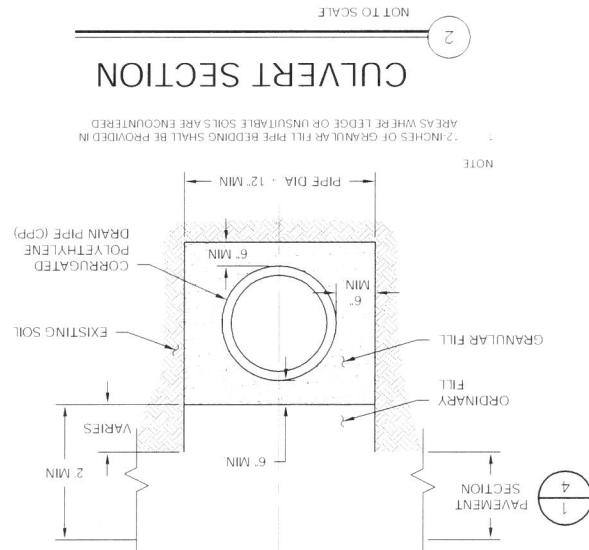
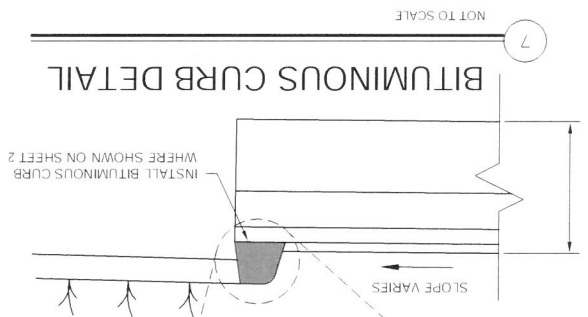
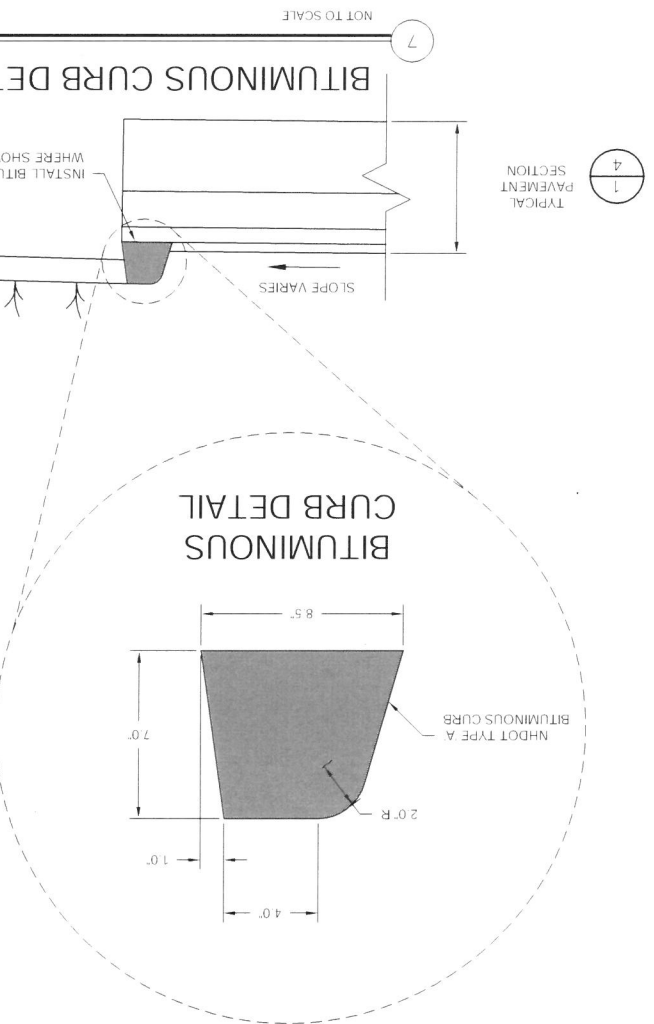
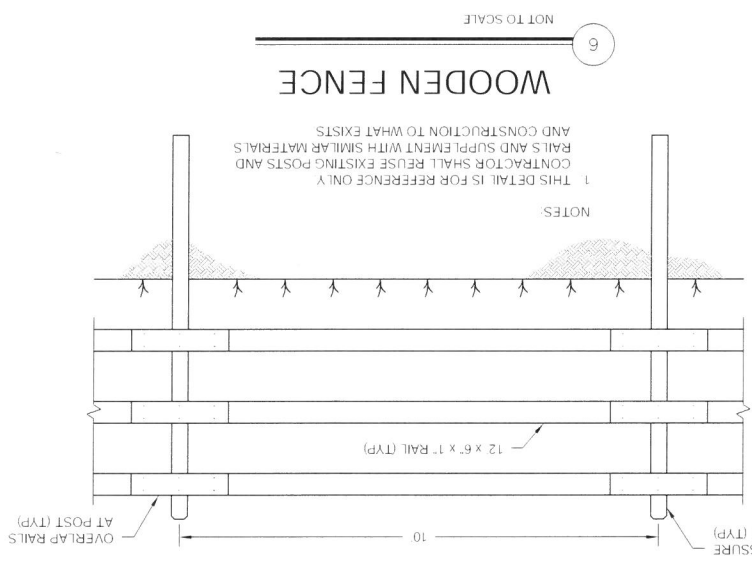
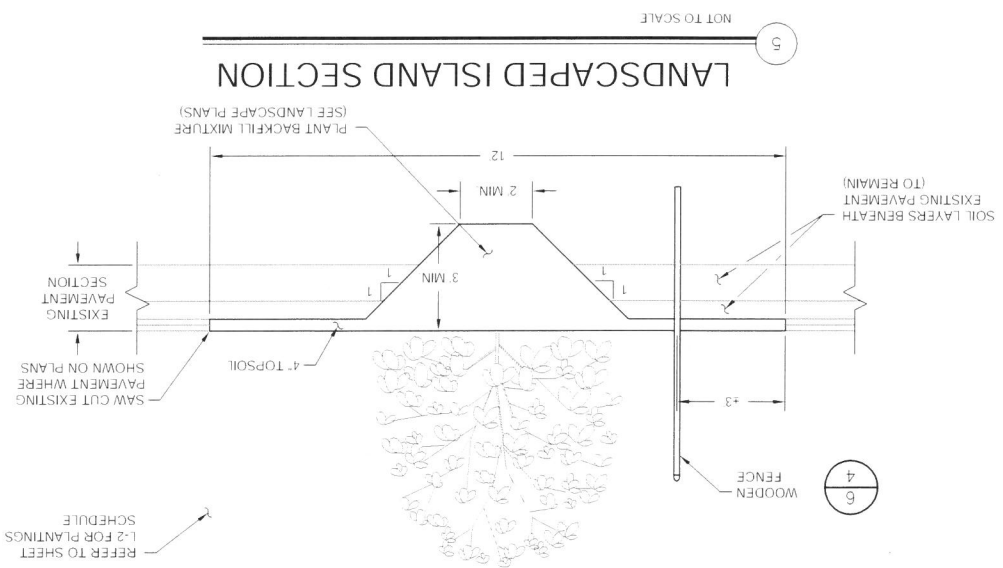
DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

RESIDENTIAL DROP-OFF DETAILS

PROJECT NUMBER: 3534.03
SHEET NUMBER: RDO - 4

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338.



SCALE: AS NOTED

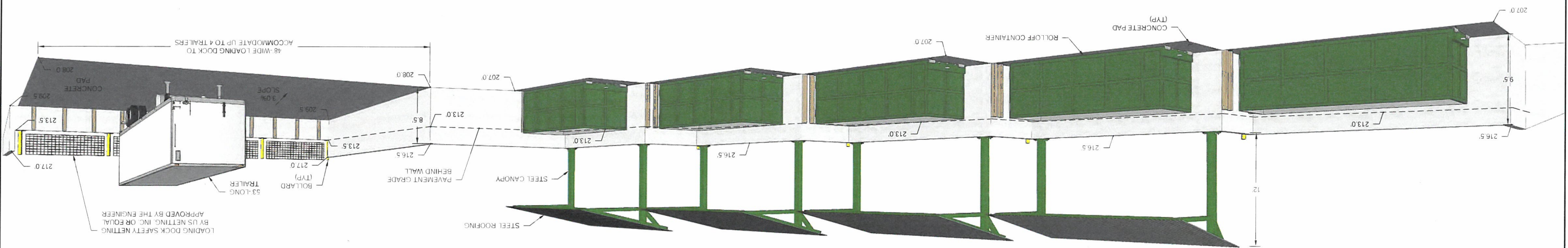


NO.	DATE	DESCRIPTION	BY

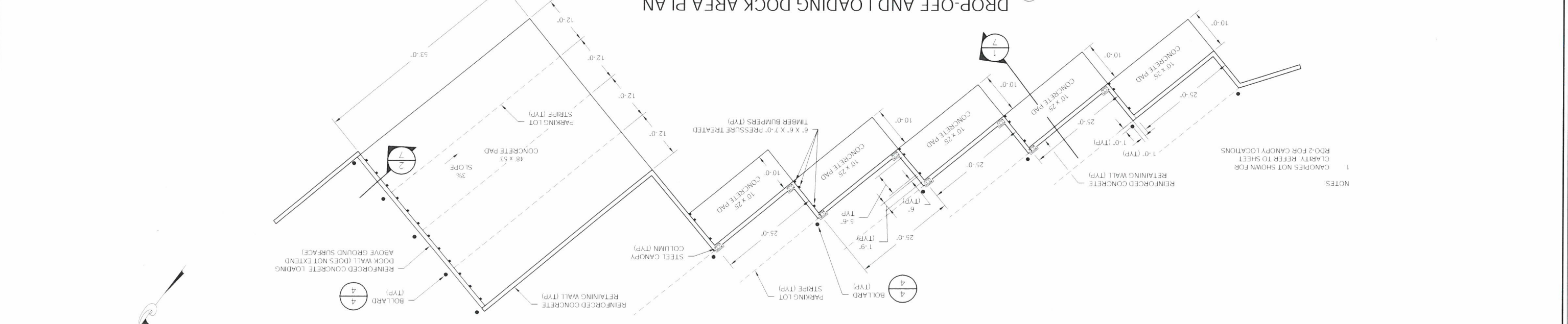
DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338

DROP-OFF AND LOADING DOCK AREA ELEVATION



DROP-OFF AND LOADING DOCK AREA PLAN

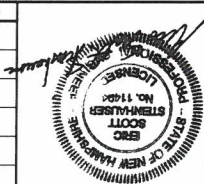


NOTES:
1. CANOPIES NOT SHOWN FOR
CLARITY, REFER TO SHEET
RDO-2 FOR CANOPY LOCATIONS





SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY

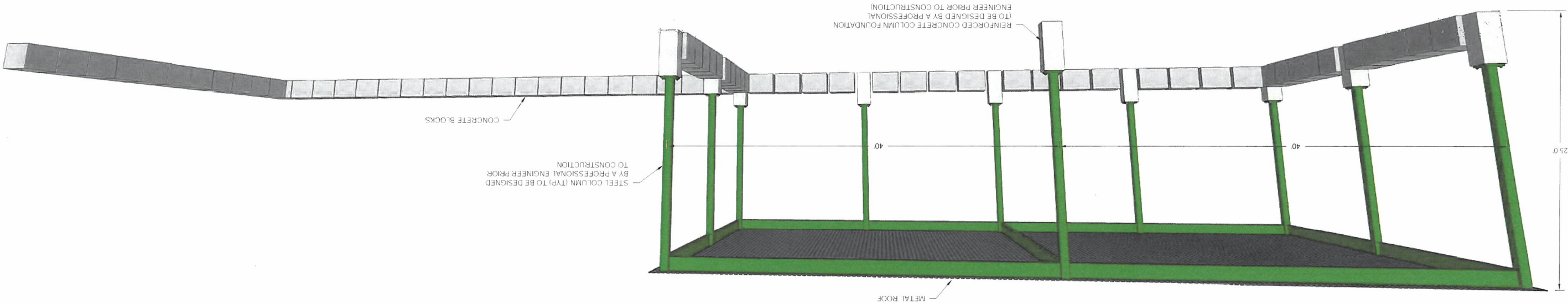
DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHILBER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
PROJECT NUMBER: 3534.03
SHEET NUMBER: RDO - 6

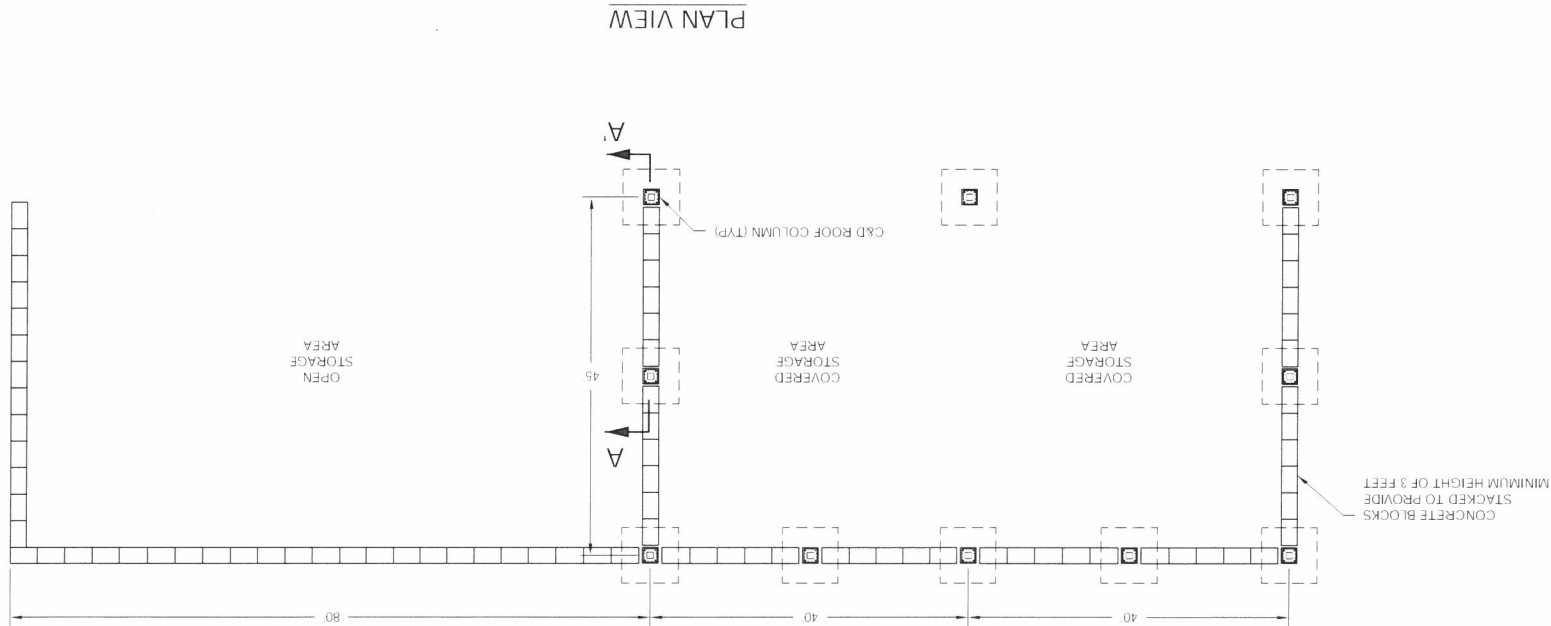
ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338

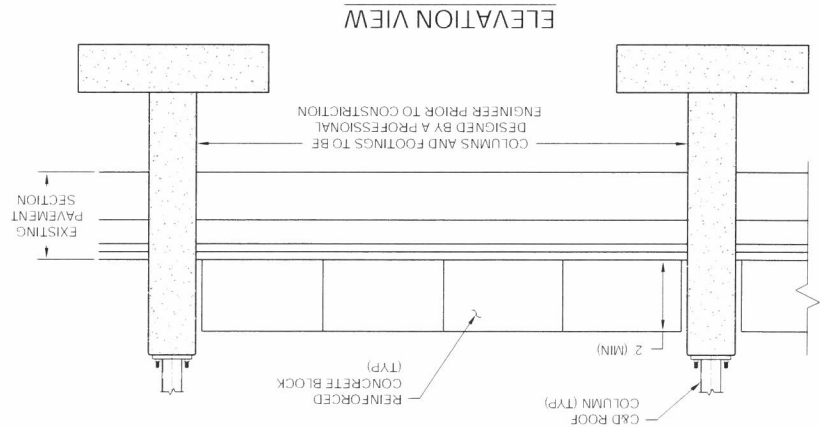
2 C&D STORAGE SHED AREA ELEVATION
(PERSPECTIVE VIEW)
NOT TO SCALE



1 C&D STORAGE SHED AREA PLAN VIEW
NOT TO SCALE



SECTION A-A' - C&D STORAGE SHED COLUMNS
NOT TO SCALE





NO.	DATE	DESCRIPTION
1	1/14/19	MODIFIED CATCH BASIN DETAILS AND ADDED HEADWALL DETAIL
2	10/31/17	CHANGED GRATE TYPE AND ADDED A SECOND GRATE TO CB-3 DETAIL
BY		
MMH		
APM		

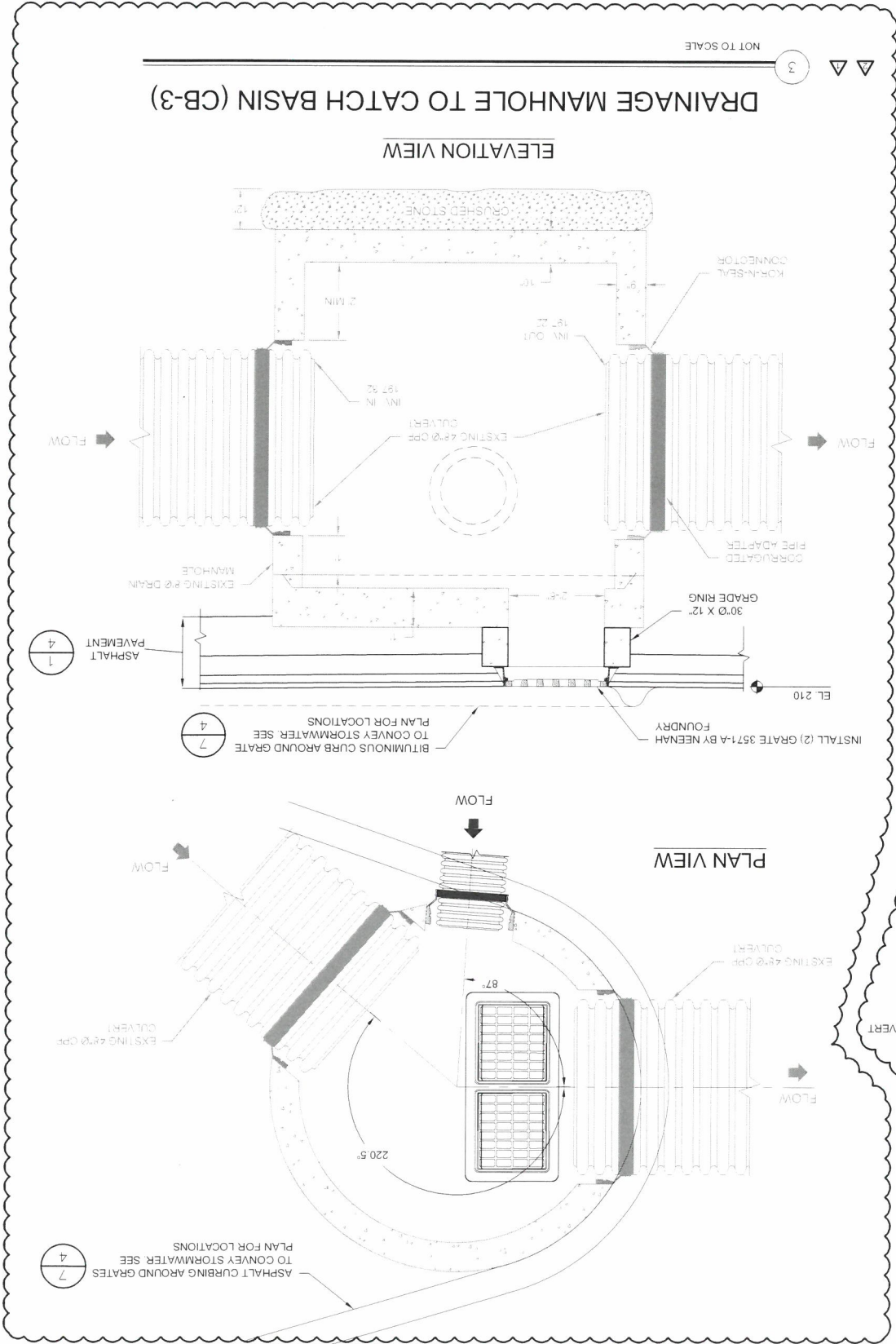
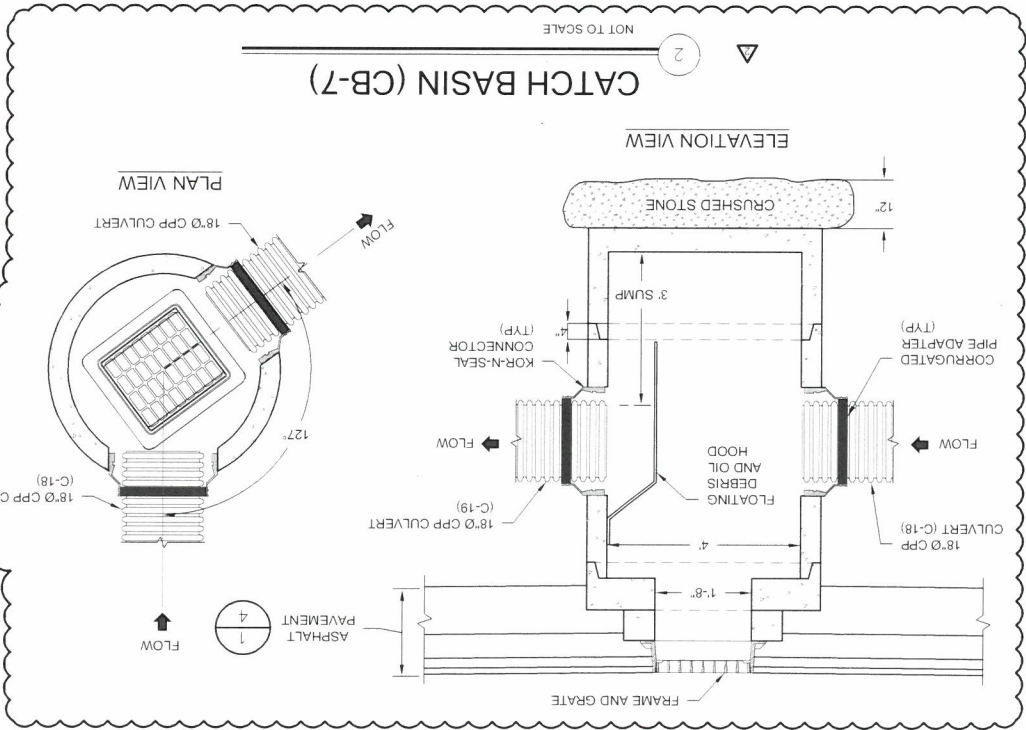
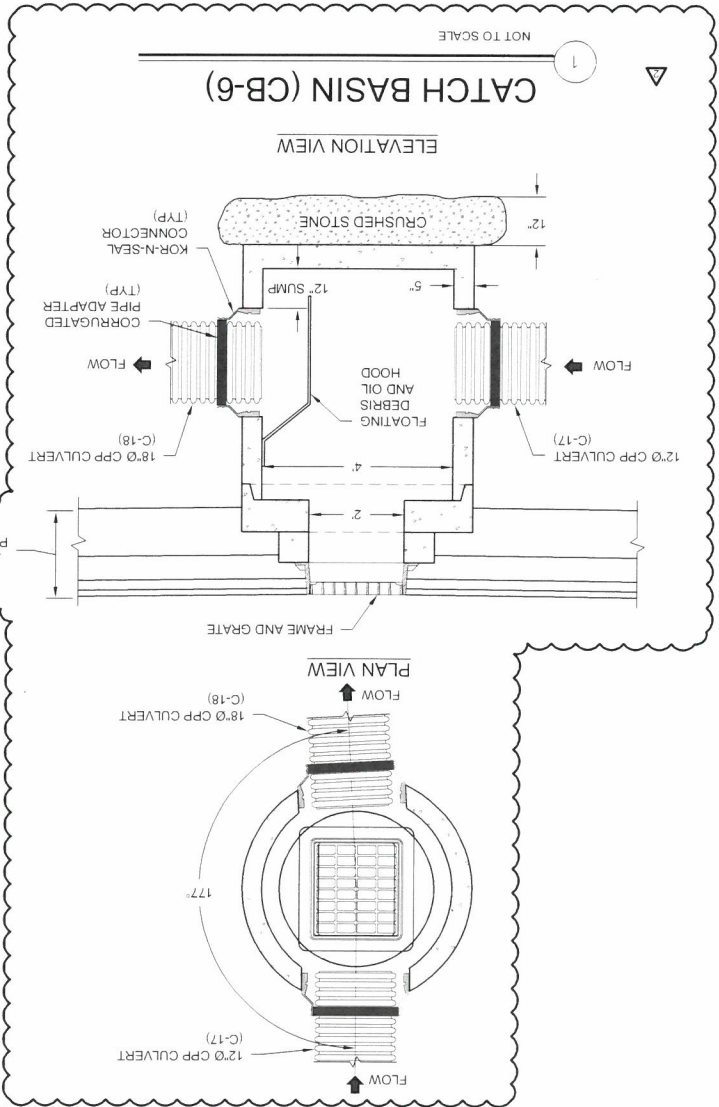
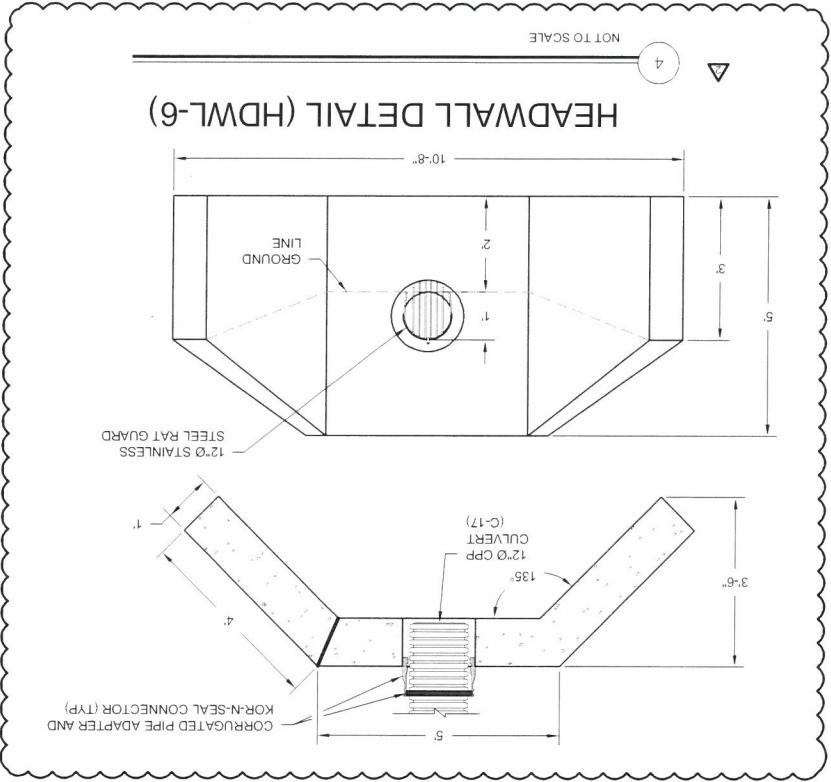
DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHILBER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

PROJECT NUMBER: 3534.03
SHEET NUMBER: RDO - 8

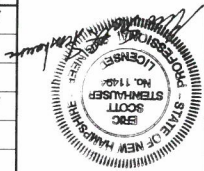
ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:
DATE:

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338





NO.	DATE	DESCRIPTION	BY
▽	10/24/17	UPDATED DRAWING TITLE	MNH
1			



NO.	DATE	DESCRIPTION
10/24/17		UPDATE DRAWING TITLE, UPDATED PARKING CONFIGURATION
		REFLECT FINAL DESIGN
1/14/19		PARKING AREA SLOPE WITH SPOT ELEVATIONS, UPDATED RMR GRADING TO
		UPDATED PARKING CONFIGURATION TO INCLUDE FIVE SPACES AND CLARIFIED
BY		
MINH		

DRAWN BY: M. HOCK
DESIGNED BY: M. HOCK
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

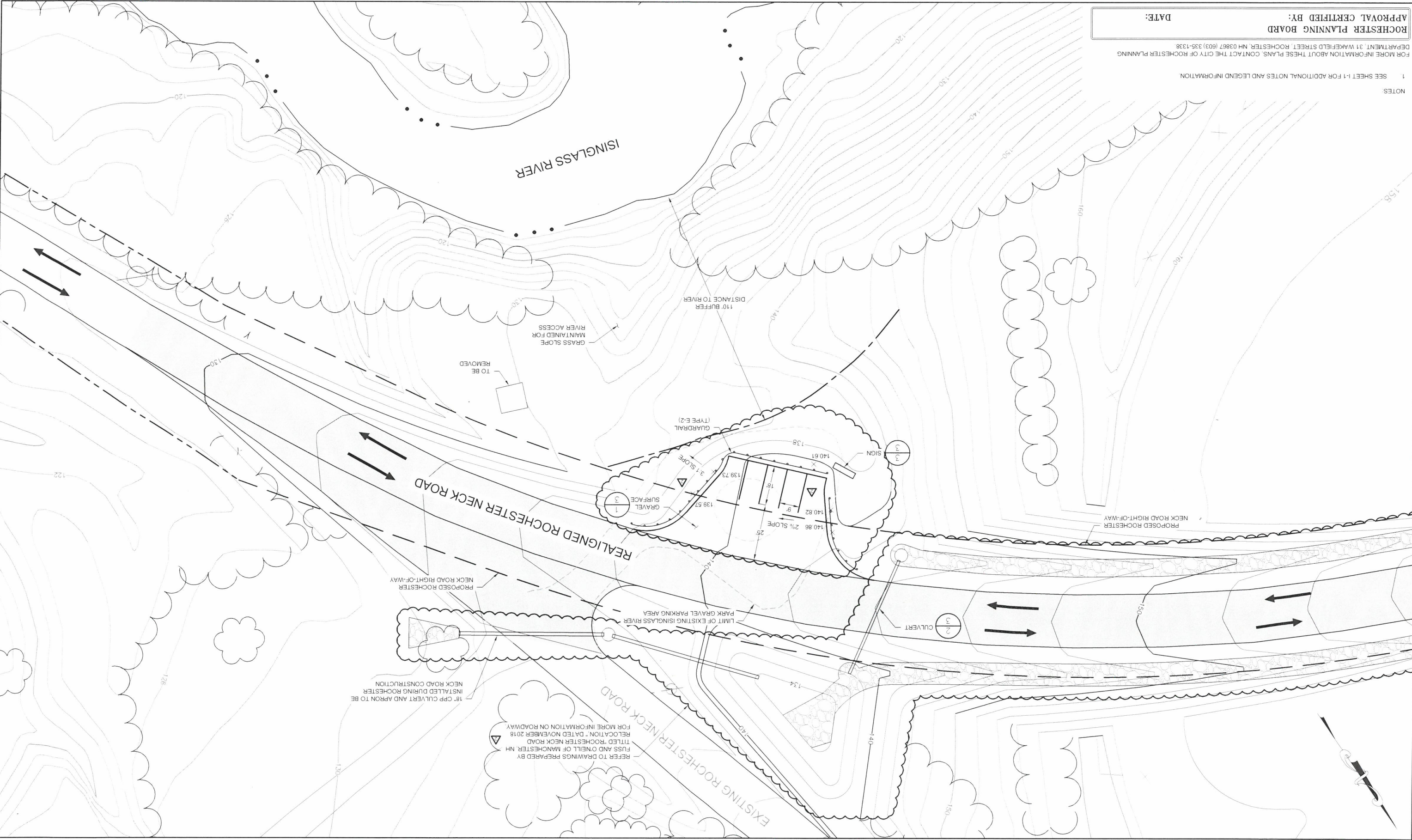
TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
PROPOSED SITE PLAN
ISINGLASS RIVER ACCESS

PROJECT NUMBER: 3534.03
SHEET NUMBER: IRA - 2

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____

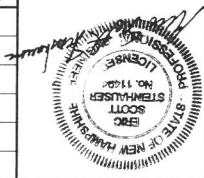
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1336

- NOTES:
- SEE SHEET I-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION



REFER TO DRAWINGS PREPARED BY FUSSELL AND O'NEILL OF MANCHESTER, NH TITLED "ROCHESTER NECK ROAD RELOCATION," DATED NOVEMBER 2018 FOR MORE INFORMATION ON ROADWAY

SANBORN HEAD



NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ANTICIPATED EXISTING CONDITIONS

PROJECT NUMBER: 3534.03
SHEET NUMBER: TLR3S-1

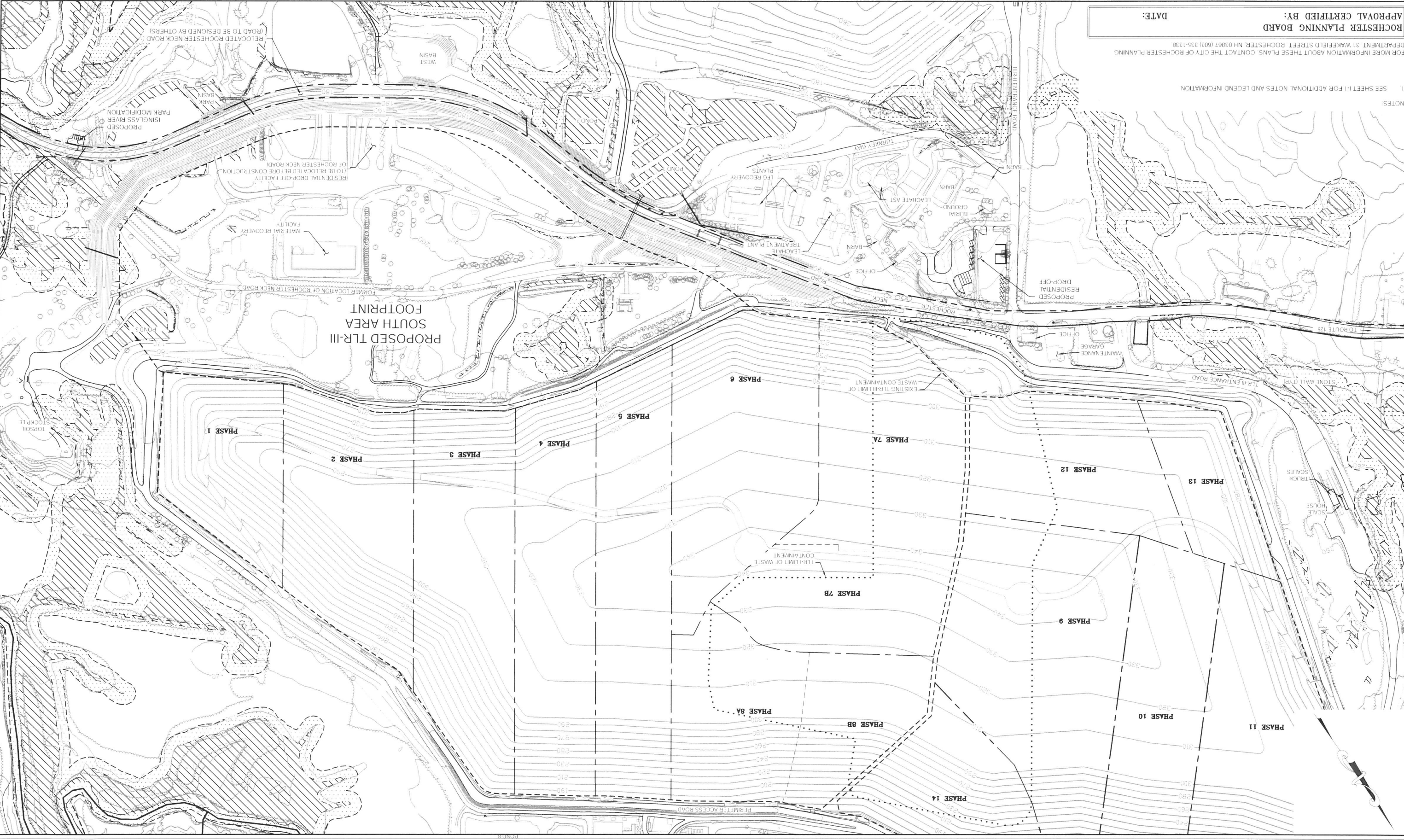
ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338

DATE:

NOTES

1. SEE SHEET H-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION





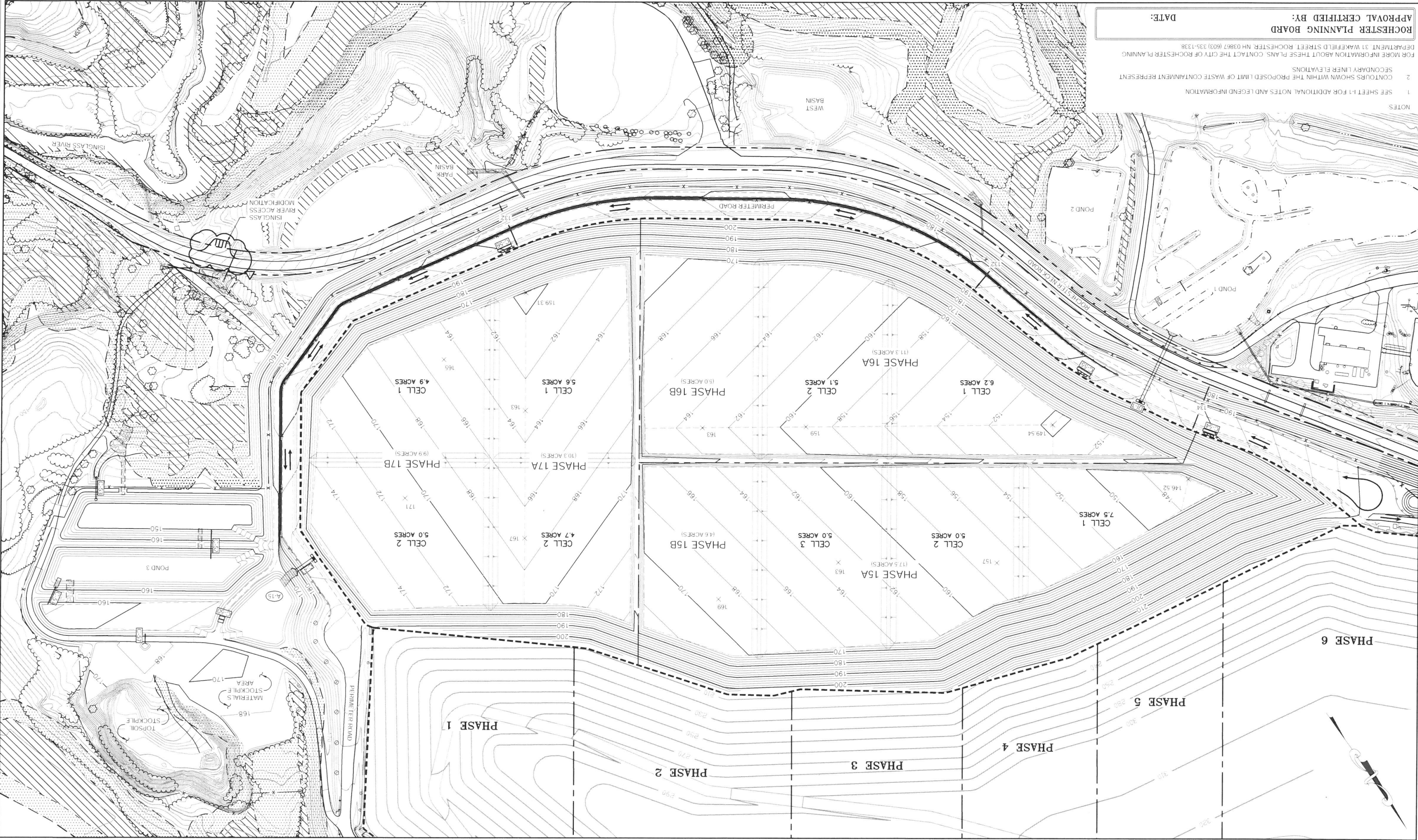
NO.	DATE	DESCRIPTION
1	10/31/17	REVISED ISINGLASS RIVER ACCESS AREA
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DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHILBER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
TLR-III REFUSE DISPOSAL FACILITY
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

PROJECT NUMBER: 3534.03
SHEET NUMBER: TLR3S-2

APPROVAL CERTIFIED BY: _____
DATE: _____
ROCHESTER PLANNING BOARD
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT 31 WAKEFIELD STREET ROCHESTER, NH 03607 (603) 335-1338
1 SEE SHEET 1-I FOR ADDITIONAL NOTES AND LEGEND INFORMATION
2 CONTOURS SHOWN WITHIN THE PROPOSED LIMIT OF WASTE CONTAINMENT REPRESENT
SECONDARY LINER ELEVATIONS





NO.	DATE	DESCRIPTION
1	10/31/17	ADDED PROPOSED PROPERTY LINES
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DRAWN BY: A. MATTHEWS
DESIGNED BY: T. REED / E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHÄUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
INITIAL DEVELOPMENT PLAN AND PROFILES

PROJECT NUMBER: 3534.03
SHEET NUMBER: TLR3S-3

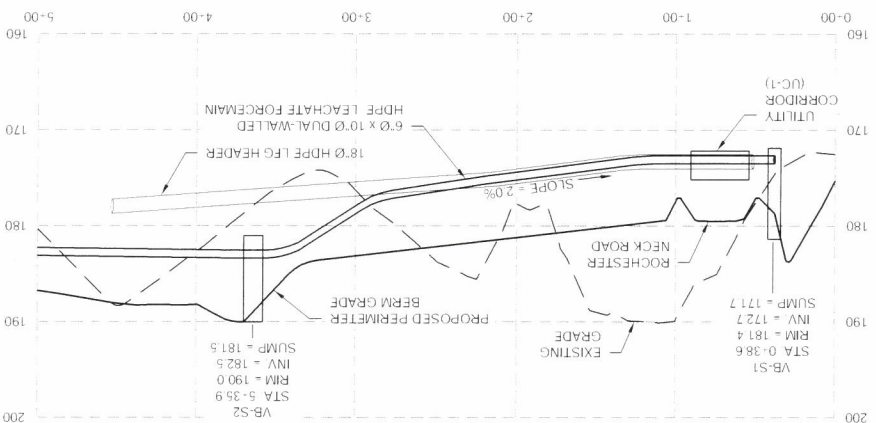
APPROVAL CERTIFIED BY:

DATE:

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338.

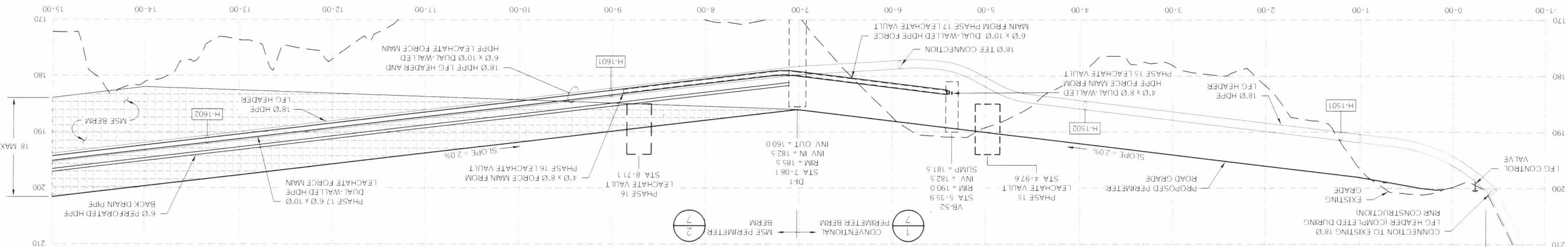
NOTE:
1. LEACHATE FORCE MAIN INFRASTRUCTURE SHOWN BETWEEN STATIONS 0+00 AND 1+00 CONSTRUCTED DURING ROCHESTER NECK ROAD CONSTRUCTION.

LEACHATE FORCE MAIN PROFILE



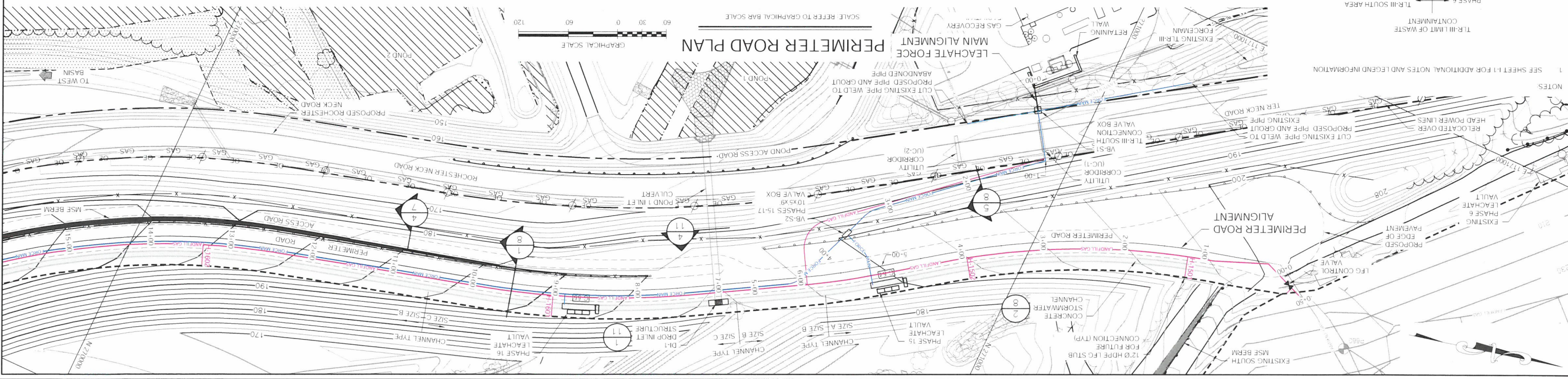
SCALE: SET BAR SCALE (STA 0+00 - 15+00)

PERIMETER ROAD PROFILE



SCALE: REFER TO GRAPHICAL BAR SCALE

PERIMETER ROAD PLAN





DRAWN BY: A. MATTHEWS
DESIGNED BY: T. REED / E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE	3534.03 PROJECT NUMBER
TLR-III SOUTH AREA INITIAL DEVELOPMENT PLAN AND PROFILE	TLR3S-4 SHEET NUMBER

PERIMETER ROAD PROFILE

SCALE: REFER TO GRAPHICAL BAR SCALE

(STA 15+00 - 29+00)

VERTICAL SCALE

HORIZONTAL SCALE



[illegible]



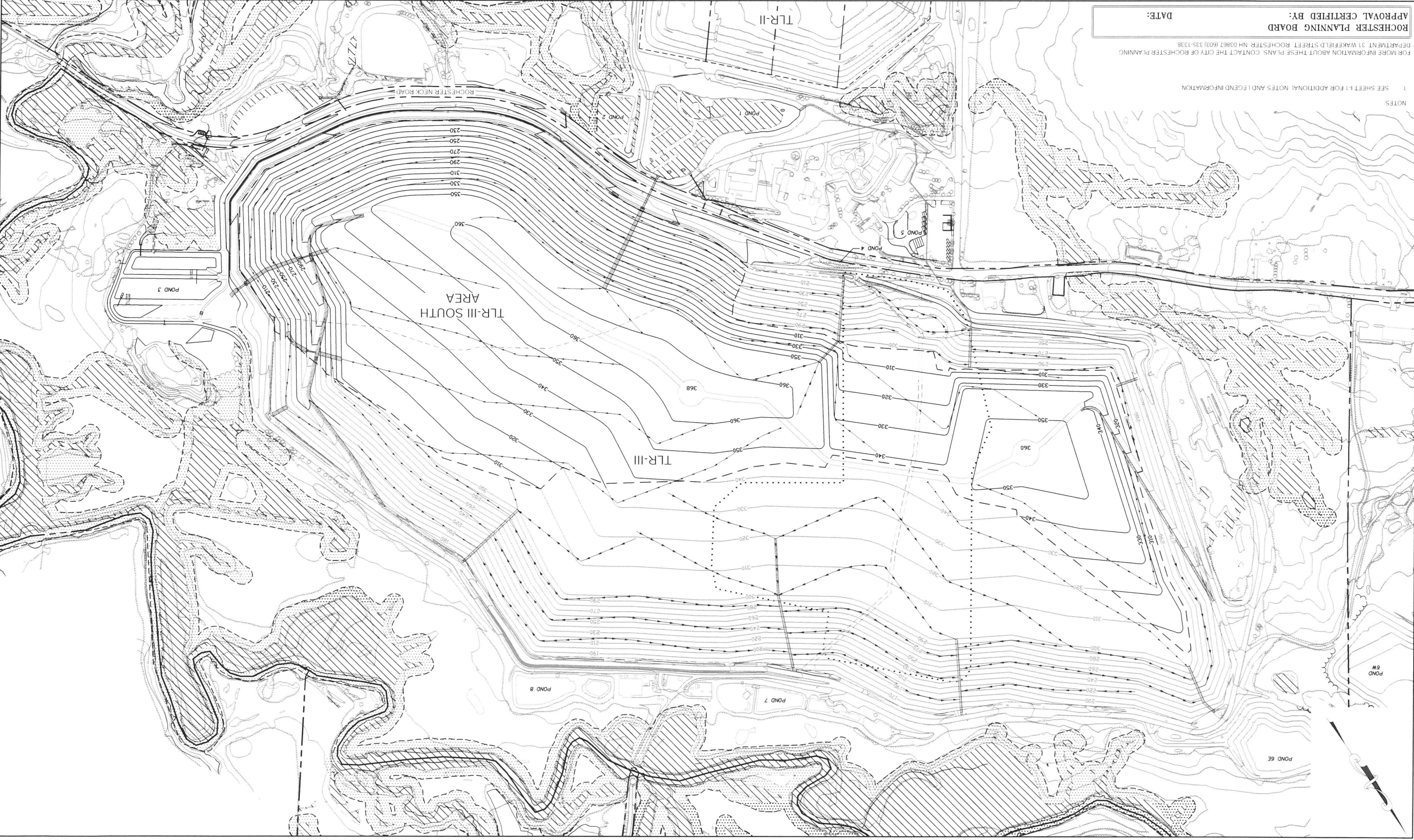
NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
TLR-III SOUTH AREA SITE PLAN APPLICATION
PROJECT NUMBER: 3534.03
SHEET NUMBER: TLR3S-6

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT 31 WAKEFIELD STREET ROCHESTER, NH 03607 (603) 335-1338

NOTES:
1. SEE SHEET P-1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.





SCALE: AS NOTED

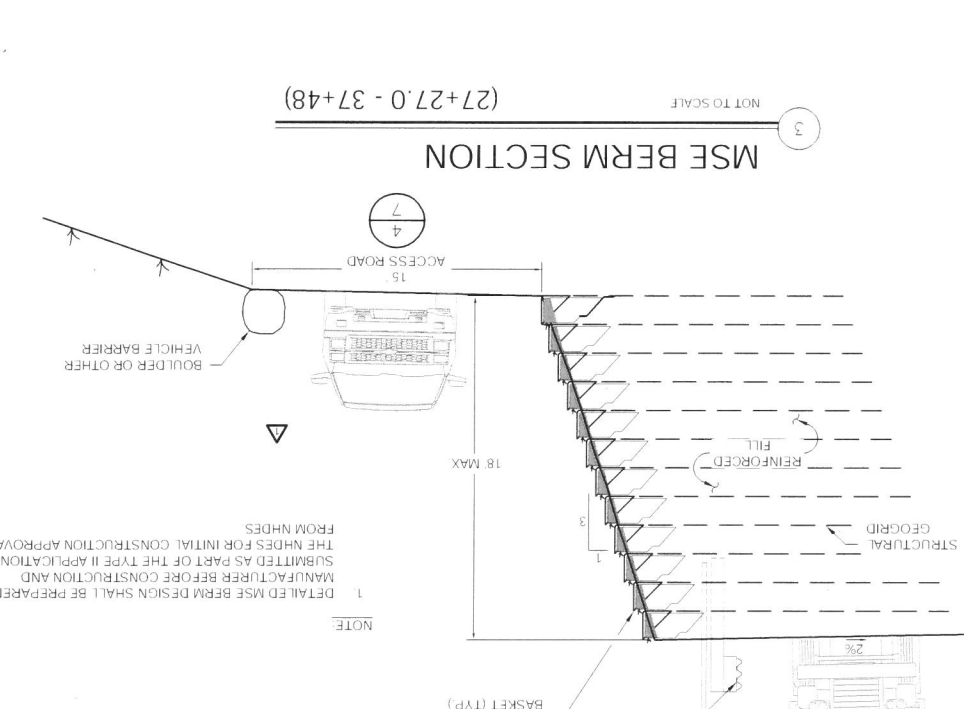
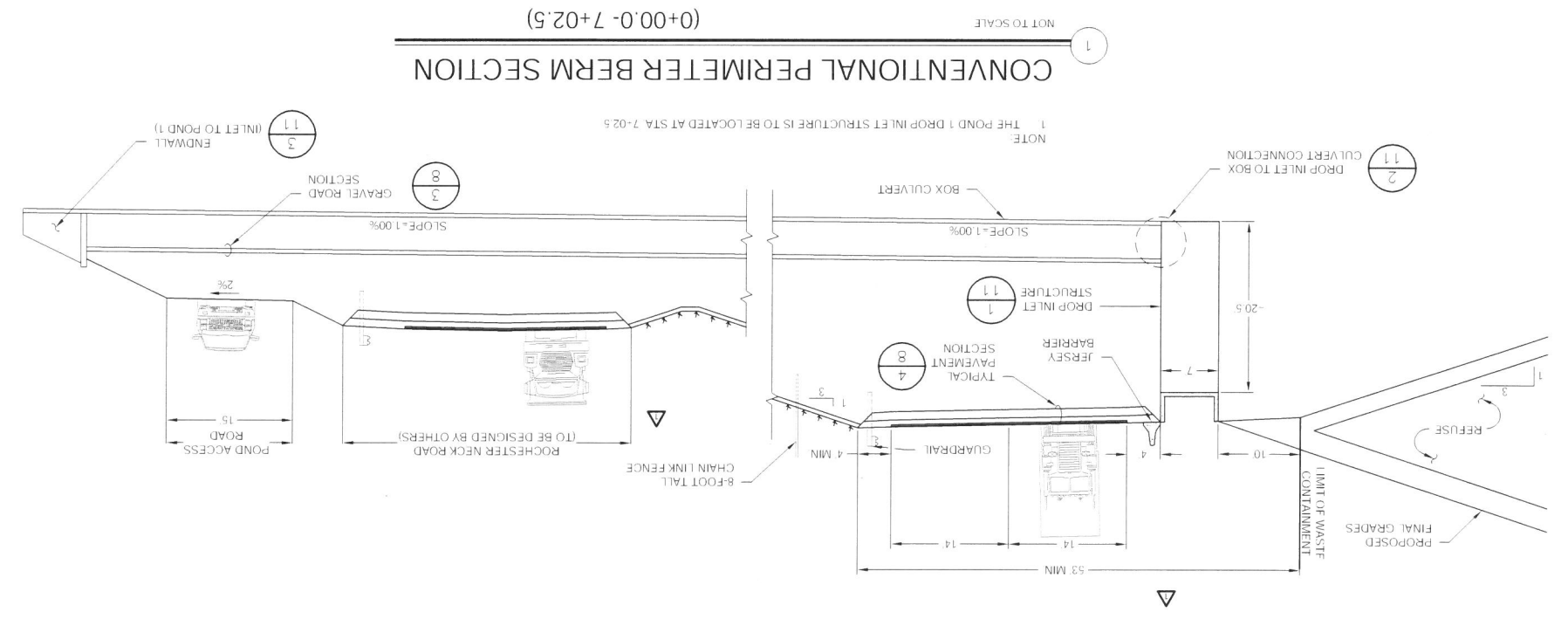
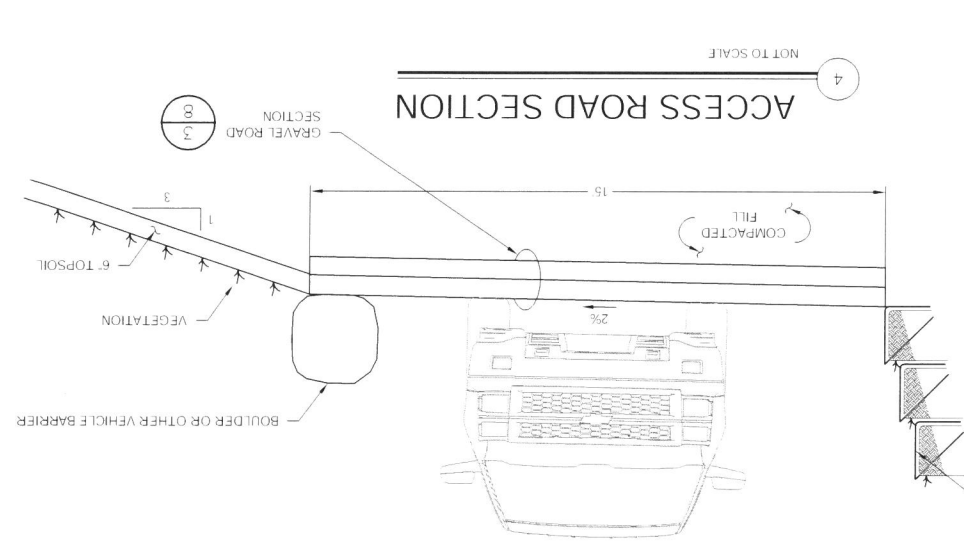
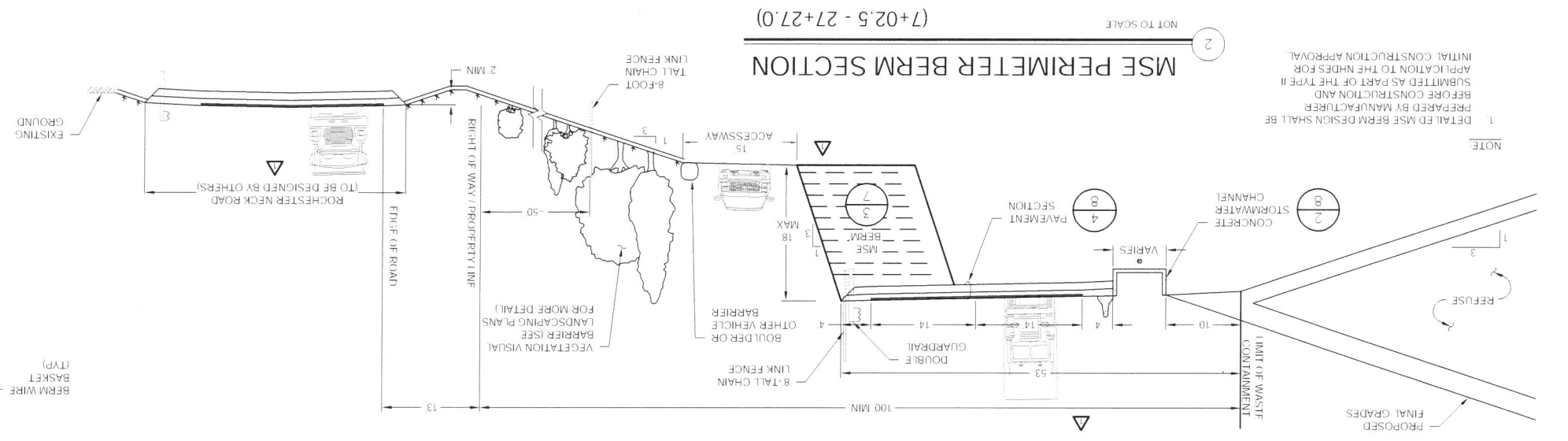


NO.	DATE	DESCRIPTION
1	10/31/17	ADOPTED TRUCK PROFILE TO DETAILS
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DRAWN BY: A. MATTHEWS
DESIGNED BY: E. GALVIN
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
TLR-III REFUSE DISPOSAL FACILITY
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
PERIMETER BERM SECTIONS
TLR-III SOUTH AREA
PROJECT NUMBER: 3534.03
SHEET NUMBER: TLR3S-7

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338



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DATE: 11/11/2013
PROJECT: TLR-III SOUTH AREA
SHEET: 3534.03
SCALE: AS NOTED
APPROVAL CERTIFIED BY: DATE: 11/11/2013
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338

SANBORN HEAD

SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: T. REED
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHILBER
DATE: OCTOBER 2017

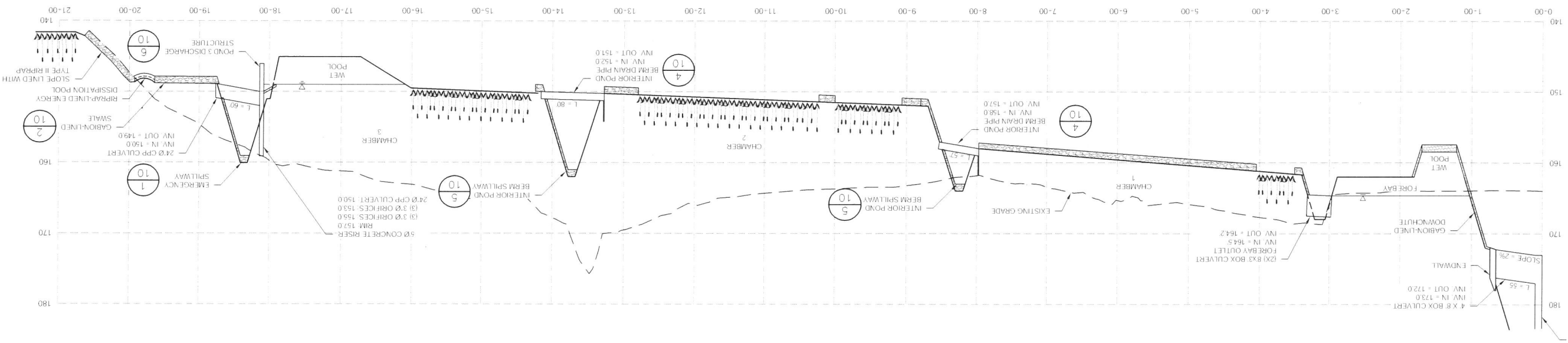
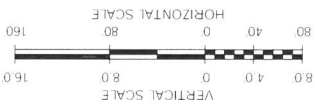
TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
TLR-III SOUTH AREA
PROJECT NUMBER: 3534.03
SHEET NUMBER: TLR3S-9

APPROVAL CERTIFIED BY: DATE: 11/11/2013

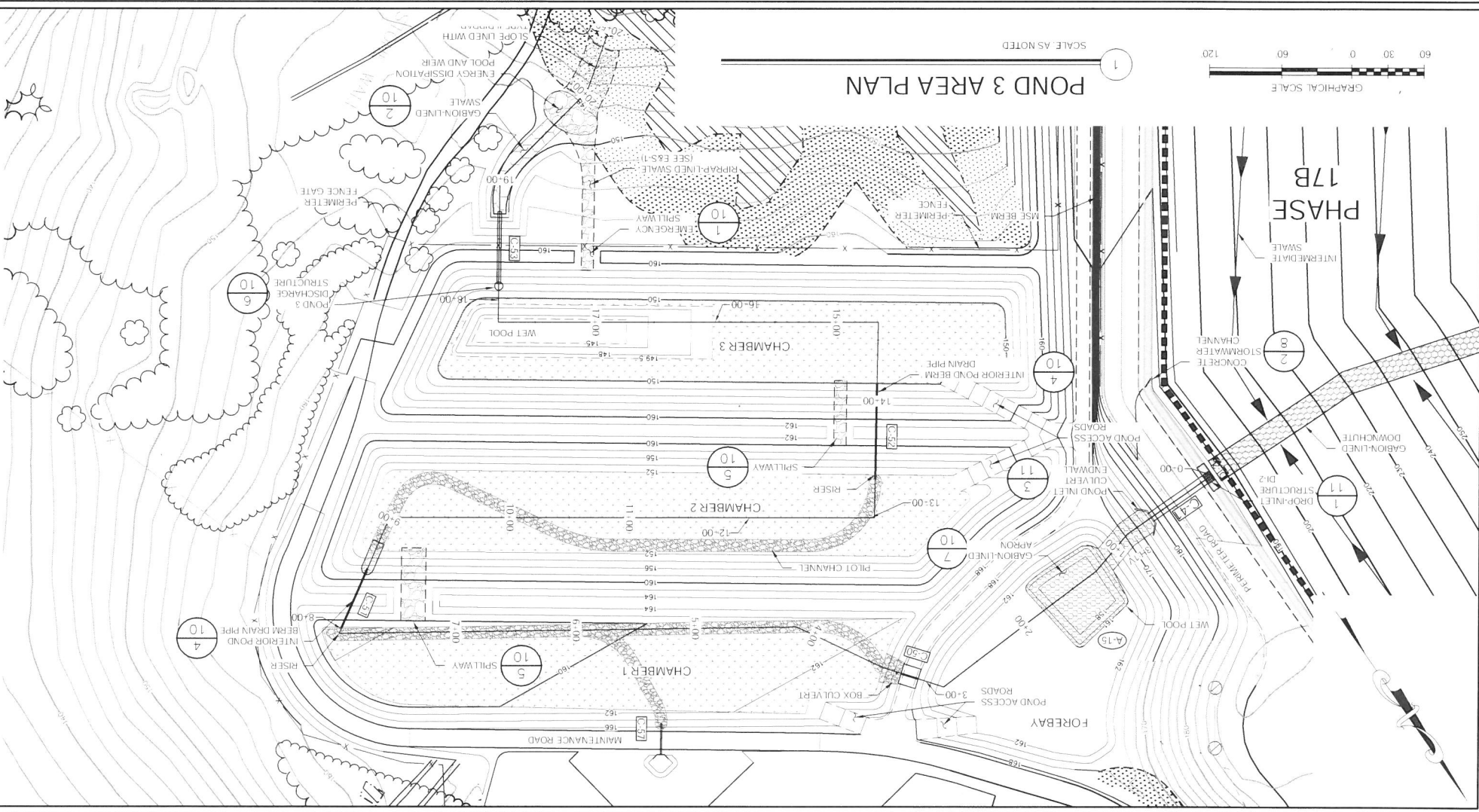
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338

POND 3 PROFILE

SCALE: AS NOTED



POND 3 AREA PLAN



AQUATIC BENCH PLANTINGS

1. IT IS PROPOSED TO ESTABLISH CATTAILS (TYPHA LATIFOLIA) IN AQUATIC BENCH AREAS WITHIN THE STORMWATER BASINS. CATTAILS ARE AN AGGRESSIVE PLANT SPECIES AND OFTEN QUICKLY BECOME THE DOMINANT VEGETATION IN STORMWATER DETENTION BASINS EVEN WHEN NOT INTENTIONALLY ESTABLISHED. CATTAILS ARE TOLERANT TO INUNDATION AND PROVIDE HIGH POLLUTANT TREATMENT.
2. CATTAIL ROOTS SHOULD BE PLANTED 3 FEET APART ON THE AQUATIC BENCH. PLANT MATERIALS SHOULD CONFORM TO THE AMERICAN STANDARD NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSEYMEN. THE PLANTING SOIL SHOULD CONSIST OF A MIX OF SOIL/TOPSOIL PLACED IN A LOOSELY TAMPED LAYER OF ABOUT 12 INCHES THICK. THE PLANTING SOIL SHOULD BE FILL MATERIAL WITHIN THE SM OR ML CLASSIFICATIONS OF THE UNIFIED SOIL CLASSIFICATION SYSTEM AND SHOULD BE FREE OF STONES, STUMPS, ROOTS OR OTHER WOODY MATERIAL OVER 1 INCH IN DIAMETER.
3. THE PLANTING AREA SHOULD BE PREPARED DURING BASIN CONSTRUCTION BEFORE WATER LEVELS ARE ALLOWED TO RISE. PLANTS SHOULD BE ESTABLISHED FROM BARE ROOT STOCK DURING THE SPRING OR SUMMER GROWING SEASON. GIVEN THE HEARTY NATURE OF THE SPECIFIED PLANTS, IT IS EXPECTED THAT LITTLE MAINTENANCE WILL BE REQUIRED. THE PLANTED AREA SHOULD BE OBSERVED IN THE SECOND GROWING SEASON. THE CONTRACTOR SHALL BE REQUIRED TO SUPPLEMENT WITH ADDITIONAL PLANTINGS IF THE SURVIVAL RATE IS LESS THAN 80 PERCENT.

CONSTRUCTION SEQUENCE

1. DELINEATE AND DEMARCAT A LIMIT OF DISTURBANCE BASED ON PROPOSED GRADING.
2. STAGE EQUIPMENT AND SUPPLIES WITHIN AREA OF DISTURBANCE.
3. INSTALL PERIMETER EROSION CONTROLS WHERE REQUIRED.
4. GRADE THE BIORETENTION BASIN TO SUBGRADE AND APPLY BIORETENTION SOIL MIX AND TOPSOIL PER PLAN.
5. CONSTRUCT THE ARMORED SWALE AND OTHER DRAINAGE FEATURES DOWN GRADIENT OF THE BASIN.
6. INSTALL THE BIORETENTION BASIN DISCHARGE STRUCTURE, CELL DRAIN PIPES AND SPILLWAYS. BLOCK THE OUTLET STRUCTURE AND MANAGE STORMWATER WITHIN THE BASIN UNTIL DOWN GRADIENT SWALES AND FEATURES ARE IN-PLACE AND STABILIZED.
7. SEED AND MULCH DISTURBED AREAS TO ESTABLISH VEGETATION AS FINAL GRADES ARE OBTAINED. PLANT AQUATIC BENCH WITH NEW ENGLAND SEED MIX. RUNOFF SHALL NOT BE DIRECTED TO THE BIORETENTION BASIN UNTIL VEGETATION WITHIN THE BIORETENTION BASIN IS FULLY ESTABLISHED. AND
8. UPON SUCCESSFUL ESTABLISHMENT OF VEGETATION, REMOVE EROSION CONTROLS.

GENERAL NOTES

1. SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMPs) SPECIFIED IN THE STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN DEVELOPING AREAS IN NEW HAMPSHIRE (AUGUST 1992) AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
2. PERMANENT SEEDING SHALL OCCUR BETWEEN APRIL 15TH AND JUNE 15TH OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH FOR BEST GERMINATION RESULTS. SEEDING SHALL BE OBSERVED FOR SIGNS OF SCORCHING AND RESEED AS NECESSARY. AND
3. REMOVE ACCUMULATED SEDIMENT FROM EROSION CONTROL DEVICES WEEKLY OR AS NEEDED.

REFERENCE NOTES

1. SEE SHEET P-1 FOR ADDITIONAL NOTES AND LEGEND

NO	DATE	DESCRIPTION	BY

TLR-III SOUTH AREA SITE PLAN APPLICATION TLR-III REFUSE DISPOSAL FACILITY WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE	3534.03	PROJECT NUMBER
TLR-III SOUTH AREA STORMWATER MANAGEMENT DETAILS	TLR35-11	SHEET NUMBER

29

9

135°

14

PRECAST CONCRETE HEADWALL

4H X 8W BOX CULVERT



NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: T. REED
REVIEWED BY: E. GALVIN
PROJECT MGR: T. REED
PIC: E. STEINHILBER
DATE: OCTOBER 2017

TLR-III SOUTH AREA SITE PLAN APPLICATION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

PROJECT NUMBER: 3534.03
SHEET NUMBER: E&S - 1

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____
DATE: _____

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING
DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03607 (603) 335-1338

1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AND ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AND ADVANCE OF THAW OR SPRING MELT EVENTS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
4. ALL DISTURBED AREAS SHALL BE FINE GRADED BEFORE BEING SEEDED AND MULCHED.
5. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL STRUCTURES ARE TO BE REMOVED AND ACCUMULATED SEDIMENT DISPOSED OF IN A SECURE LOCATION.
6. EROSION CONTROL STRUCTURES SHALL BE PERIODICALLY INSPECTED DURING THE LIFE OF THE PROJECT AND AFTER EACH STORM. SEDIMENT DEPOSITS SHALL BE REMOVED.

GENERAL SEED MIX

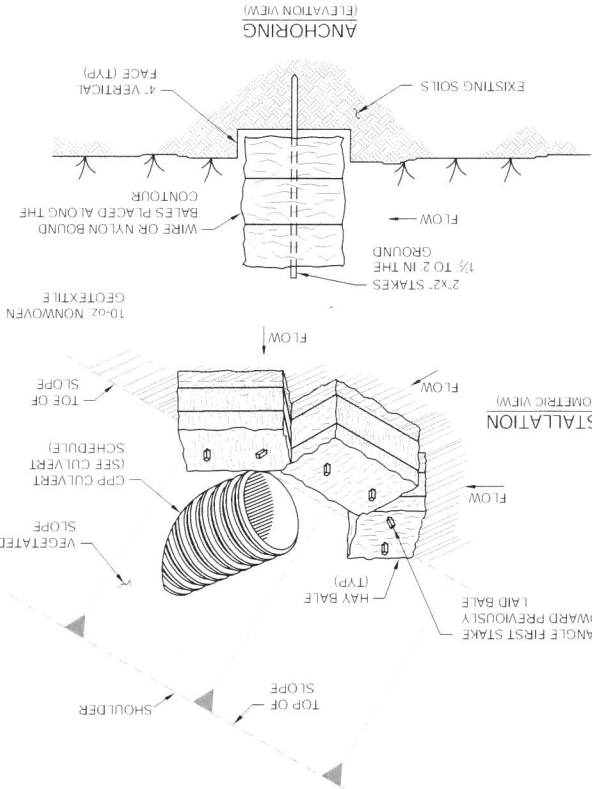
MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
TAIL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
BIRDFOOT TREFOIL	8	0.20
TOTAL	48	1.10

NOTE: GENERAL SEED MIXTURE TO BE APPLIED TO AREAS OTHERWISE NOT SPECIFIED TO BE SEEDED WITH ANOTHER MIX.

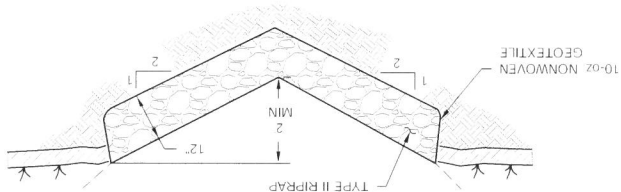
1. CONDUCT EARTHWORK ACTIVITIES SO THAT THE SMALLEST PRACTICAL AREA IS EXPOSED AT ANY ONE TIME PRIOR TO FINAL GRADING AND STABILIZATION WITH SEED AND MULCH. THE TERM "STABLE" IS DEFINED AS MEETING ONE OF THE FOLLOWING CRITERIA:
 - A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - C. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL, SUCH AS STONE RIPRAP, HAS BEEN INSTALLED.
2. APPLY SEED, LIME, FERTILIZER, AND HAY MULCH TO DISTURBED AREAS, NEWLY-PLACED FILL SLOPES, AND GRASS-LINED SWALES WITHIN 7 DAYS OF ACHIEVING FINAL GRADE. ALSO APPLY SEED AND HAY MULCH TO THOSE AREAS OUTSIDE OF THE LANDFILL FOOTPRINT WHICH 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.
3. EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS AND AT THE DISCRETION OF THE ENGINEER AND OWNER. FILTER LOGS SHALL BE INSTALLED ALONG THE CONTOUR AND TOED UPSLOPE AND ARE TO BE MAINTAINED AND CLEANED UNTIL VEGETATIVE COVER IS ESTABLISHED.
4. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY DURING THE LIFE OF THE PROJECT AND AFTER EACH STORM EVENT WHICH PRODUCES 0.25 INCHES OF RAINFALL. ALL DAMAGED EROSION CONTROL BARRIERS SHALL BE REPAIRED PROMPTLY.
5. TRACK UP AND DOWN REGARDS PERPENDICULAR TO THE SLOPE(S) WITH A BUILDUPPER TO LIMIT EROSION.
6. REMOVE SEDIMENT RESULTING FROM CONSTRUCTION POUNDS TO MAINTAIN STORAGE CAPACITY AND AT THE DIRECTION OF THE ENGINEER OR OWNER, DISPOSE SEDIMENT IN A SECURE LOCATION SO AS TO PREVENT SILTATION OF NATURAL WATERWAYS.
7. REMOVE SEDIMENT BUILD UP FROM BEHIND EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES UNTIL FULL ESTABLISHMENT OF PERMANENT GROUND COVER.
8. 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.
9. CONDUCT SOIL BORROW EXCAVATION ACTIVITIES IN SUCH A MANNER THAT ALL RUNOFF FROM THE EXCAVATION AREAS IS CONTAINED WITHIN THE EXCAVATION.
10. THE PROJECT SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER 430:53 RELATIVE TO INVASIVE SPECIES.

GENERAL NOTES

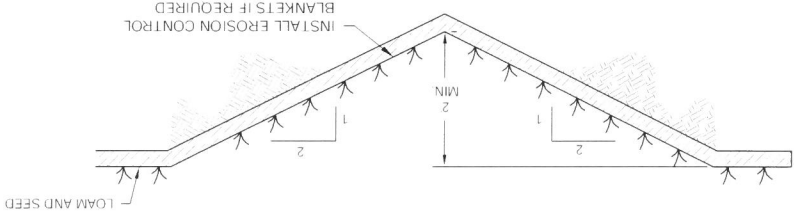
TEMPORARY HAY BALE INLET PROTECTION



RIPRAP-LINED SWALE SECTION



GRASS-LINED SWALE



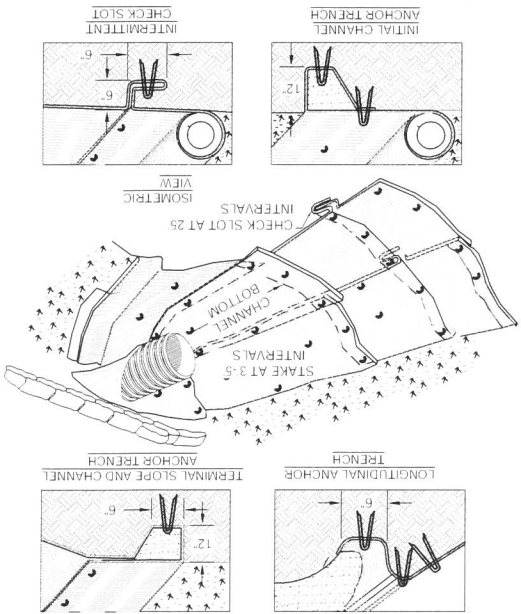
EROSION CONTROL BLANKET INSTALLATION

SOURCE: "NEW HAMPSHIRE STORMWATER MANUAL" VOL. I, EROSION AND SEDIMENT CONTROLS, REVISION 1.0, DECEMBER 2008, PAGES 74 AND 75.

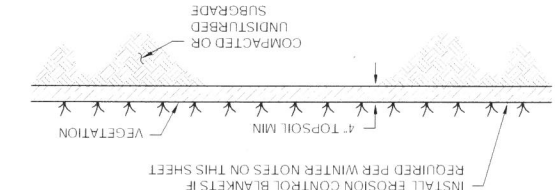
1. DIMENSIONS GIVEN IN THE DRAWINGS ARE EXAMPLES. MATERIAL SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLUMPS OF GRASS, MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
5. STAKING OR STAPLING LAYOUT PER MANUFACTURER'S SPECIFICATIONS.

CHANNEL INSTALLATION NOTES

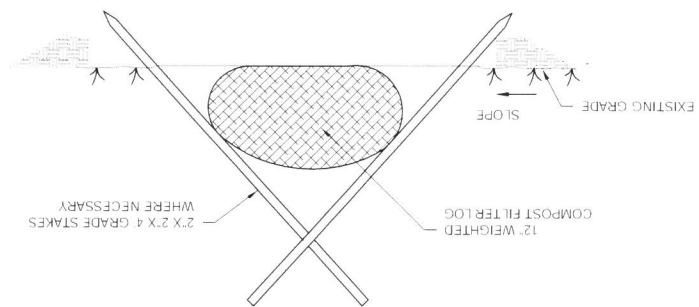
CHANNEL INSTALLATION

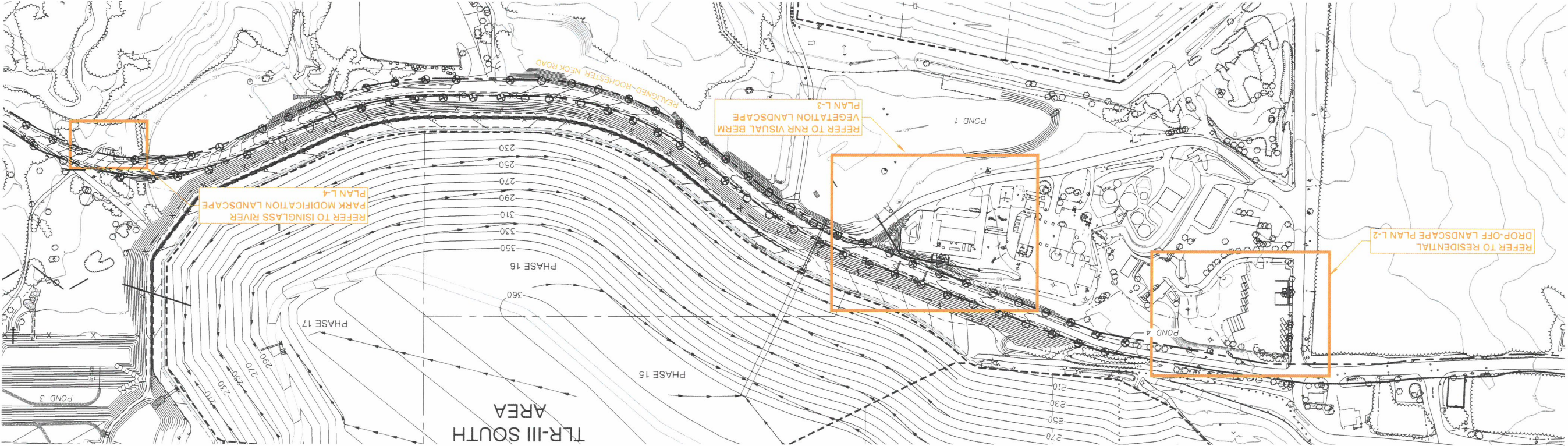


LOAM AND SEED



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Planting Notes

1. ALL PROPOSED PLANTING LOCATIONS SHALL BE STAKED AS SHOWN ON THE PLANS FOR FIELD REVIEW AND APPROVAL.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BELOW GRADE AND ABOVE GROUND UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF CONFLICTS.
3. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
4. A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY OWNERS REPRESENTATIVE.
5. ALL TREES SHALL BE BALLED AND BURLAPPED, OR APPROVED BY THE OWNERS REPRESENTATIVE.
6. ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED AND APPROVED.
7. ALL PLANT MATERIALS INSTALLED SHALL MEET THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERMEN AND CONTRACT DOCUMENTS.
8. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
9. AREAS DESIGNATED "LOAM & SEED" SHALL RECEIVE MINIMUM 4" OF LOAM AND SPECIED SEED MIX LAWNS OVER 2:1 SLOPE SHALL BE PROTECTED WITH EROSION CONTROL FABRIC.
10. ALL DISTURBED AREAS NOT OTHERWISE NOTED ON CONTRACT DOCUMENTS SHALL BE LOAM AND SEED OR MULCHED AS DIRECTED BY OWNERS REPRESENTATIVE.
11. THIS PLAN IS INTENDED FOR PLANTING PURPOSES, REFER TO SITE / CIVIL DRAWINGS FOR ALL OTHER SITE CONSTRUCTION INFORMATION.

Plant Maintenance Notes

1. CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF THE LAWNS AND PLANTINGS. NO IRRIGATION SYSTEM IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING FOR NEW PERIOD.
2. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY WASTE MANAGEMENT OF NH.
3. WATERING SHALL BE REQUIRED DURING THE GROWING SEASON, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK DURING THE GUARANTEE PERIOD.
4. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT DURING THE GUARANTEE PERIOD.
5. CONTRACTOR SHALL REPLACE DEAD OR DYING PLANTS AT THE END OF THE ONE YEAR GUARANTEE PERIOD. CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE FACILITY MAINTENANCE STAFF AT THAT TIME.

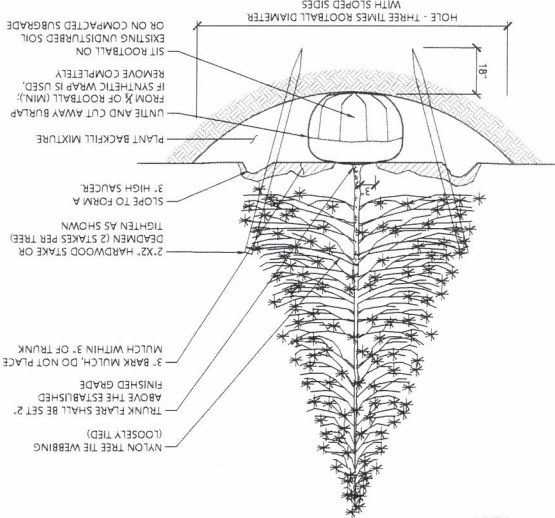
Tree Protection

1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY CONSTRUCTION FENCE. ERECT FENCE AT EDGE OF THE TREE DRIPLINE PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
3. DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.



NOTES

1. TREES UNDER 10 HIGH, STAKING IS NOT REQUIRED FOR PAINT TOP OF STAKES ORANGE OR REFLECTIVE RED TAPE.
2. NYLON TREE TIE WEBBING (LOOSELY TIED).

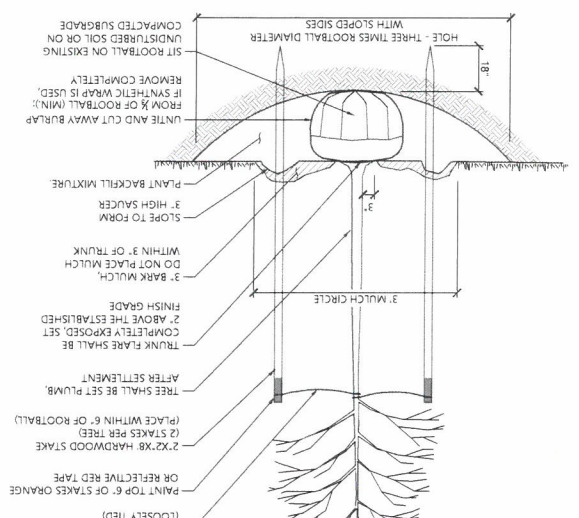


Evergreen Tree Planting

N.T.S. LD 604 Source: VHB

NOTES

1. STAKING IS NOT REQUIRED FOR TREES UNDER 3" CALIPER.

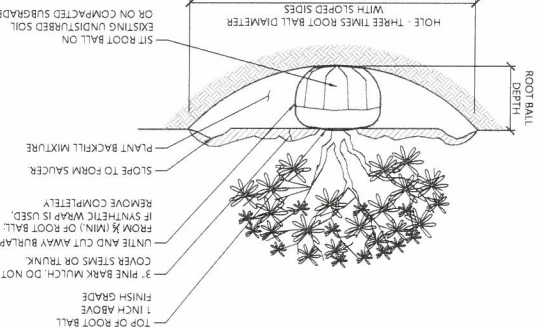


Shrub Planting

N.T.S. LD 600 Source: VHB

NOTES

1. LOOSEN ROOTS AT THE OUTER EDGE OF ROOTBALL, OR CONTAINER GROWN SHRUBS.



Notes

1. THERE ARE A TOTAL OF 82 STREET TREES, SEE SHEET L-4 FOR TYPICAL SPACING, SPECIES AND APPROXIMATE SIZE.
2. AREA BETWEEN STREET TREES ON THE NORTH SIDE OF REALIGNED ROCHESTER-NECK ROAD SHALL BE SEEDD WITH NEW ENGLAND CONSERVATION WILDLIFE SEED MIX W/SHRUB & TREE SEEDS ADDED AS PROVIDED BY NEW ENGLAND WETLAND PLANTS, INC. @ 1 LB./250 SF.

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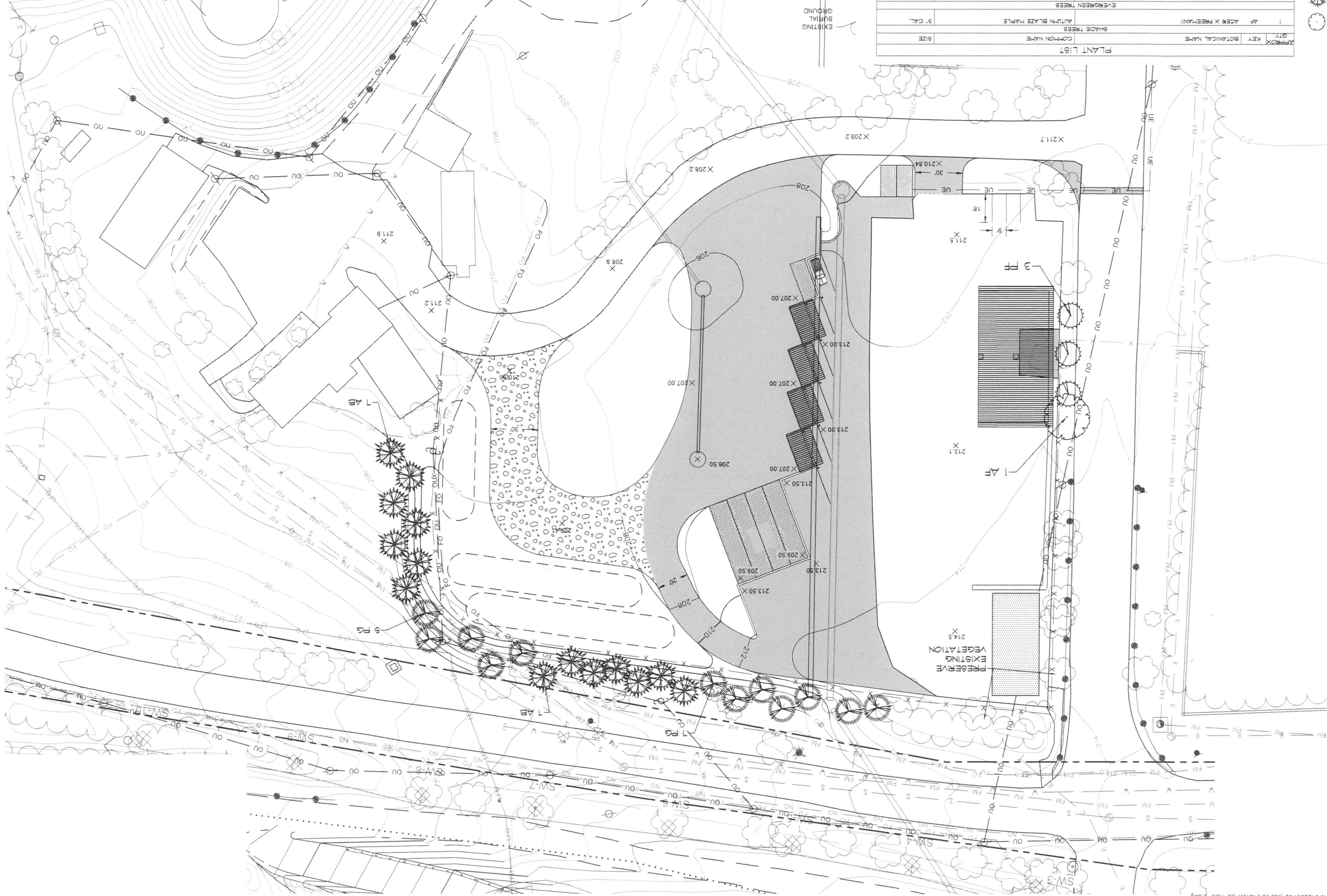
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APPROX QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
PLANT LIST				
1	AF	ACER X FREEMANTLII	AUTUMN BLAZE MAPLE	3" CAL.
14	AB	ABIES BALSAHEA	EVERGREEN TREES	
12	PG	PICEA GLAUBA	WHITE SPRUCE	1-2 HT.
3	PF	PICEA PLUNGENS FAT ALBERTI	FAT ALBERT BLUE SPRUCE	1-2 HT.





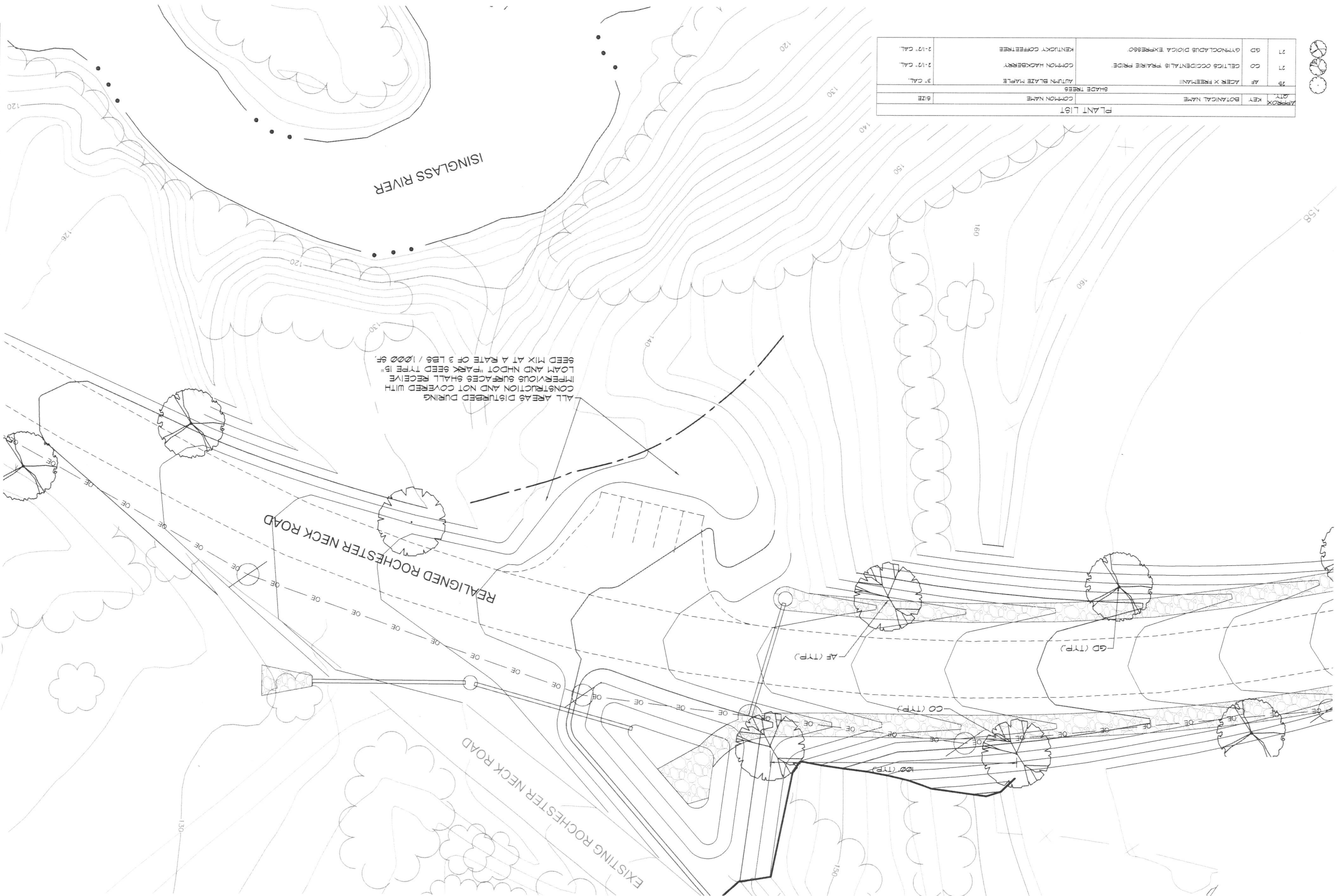
APPORX QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
75	AF	ACER X FREEMANII	AUTUMN BLAZE MAPLE	3" CAL.
21	CO	CELTIS OCCIDENTALIS 'PRAIRIE PRIDE'	COMMON HACKBERRY	2-1/2" CAL.
21	GD	GYMNOCLADUS DIOICA 'EXPRESSO'	KENTUCKY COFFEE TREE	2-1/2" CAL.

GD (TYP.)

AF (TYP.)

CO (TYP.)

GD (TYP.)



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L-4

Drawing Number

Not Approved for Construction
Landscape Plan
Inglass River Access
Modification

Site Plan Application

October, 2017

No.	Revision	Date	Appvd.
1	ADDRESS TMS COMMENTS	11/20/2017	DHF
2	ADDRESS COMMENTS	04/06/2018	DHF
3	ADDRESS COMMENTS	04/23/2018	DHF

TLR-III South Area
Waste Management of N.H., Inc.
Rochester, New Hampshire

2 Bedford Farms Drive
Bedford, NH 03110
603.391.3900

