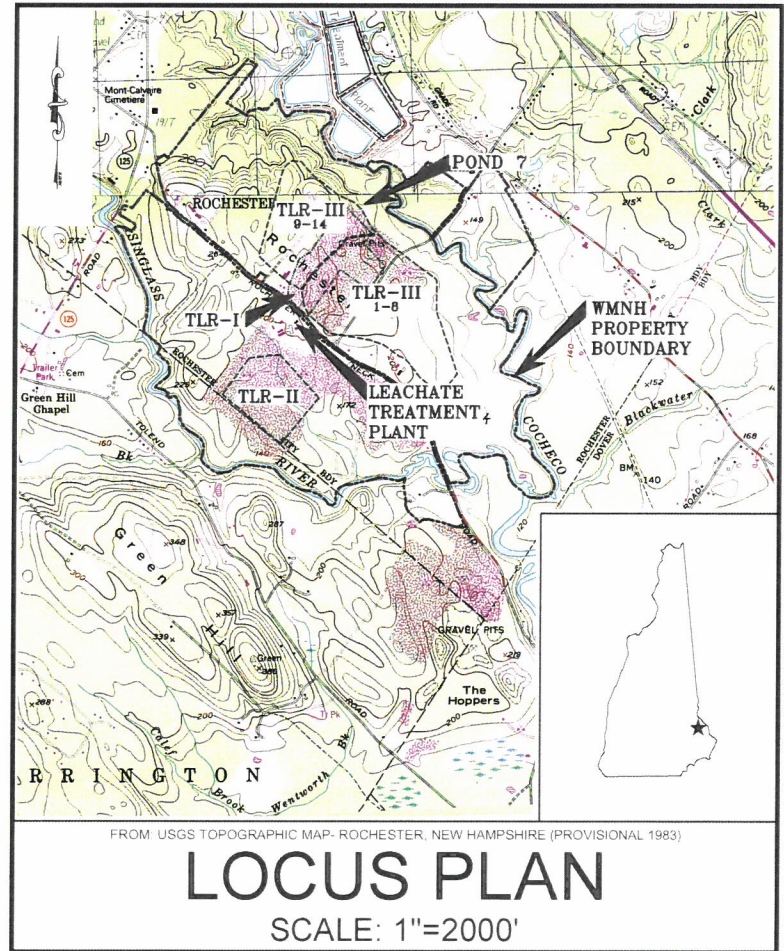
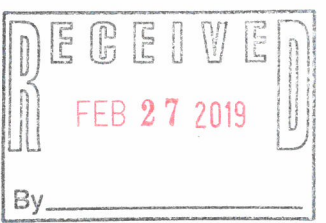


LFG SUPPLEMENTAL TREATMENT SYSTEMS SITE PLAN APPLICATION DRAWINGS WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

ROCHESTER, NEW HAMPSHIRE
NOVEMBER 2018



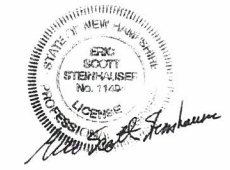
SHEET INDEX

SHEET	TITLE
△ 1	NOTES, LEGEND, AND ABBREVIATIONS
2	OVERALL SITE PLAN
3	NORTH AREA EXISTING CONDITIONS PLAN
4	PROPOSED NORTH AREA SITE PLAN
5	PROPOSED NORTH AREA CIRCULATION AND SIGNAGE PLAN
6	PROPOSED NORTH AREA UTILITIES PLAN
7	PROPOSED NORTH AREA SITE CROSS-SECTION
8	PROPOSED SOUTH AREA SITE PLAN AND CROSS-SECTIONS
9	PROPOSED POND 7 EXCAVATION PLAN AND DETAILS
10	POND 7 PLAN AND PROFILE
11-12	SITE AND ROADWAY DETAILS
13	EROSION AND SEDIMENT CONTROL DETAILS

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: *[Signature]* DATE *3/1/19*

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 WAIVED.



PREPARED FOR:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

PREPARED BY:

REVISION TABLE				
NO	DATE	DESCRIPTION	BY	



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

REFERENCE NOTES

1. EXISTING TOPOGRAPHY AND SITE FEATURES WERE PROVIDED TO SANBORN HEAD IN ELECTRONIC FILES TITLED, "TREE18-01.DWG" THROUGH "TREE18-12.DWG" COMPILED USING PHOTOGRAMMETRIC METHODS BY QUANTUM SPATIAL OF DULLES, VIRGINIA FOR WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. (WMNH) USING AERIAL PHOTOGRAPHY DATED APRIL 23, 2018 AT AN ORIGINAL SCALE OF 1" = 100' AND CONTOUR INTERVAL OF 2 FEET.
2. VERTICAL DATUM IS BASED ON NGVD 1929. GRID IS BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD 1983.
3. TLR-I LIMIT OF WASTE WAS TAKEN FROM A PLAN TITLED "TLR I 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 LIMIT OF WASTE CONTAINMENT WAS TAKEN FROM THE PHASES 9-14 PERMIT DRAWINGS PREPARED FOR WMNH TITLED "TLR-III REFUSE DISPOSAL FACILITY PHASES 9-14" BY SANBORN HEAD DATED DECEMBER 2003 AND REVISED IN JUNE 2004.
5. EXISTING MONITORING WELL AND GAS PROBE LOCATIONS WERE PROVIDED TO SANBORN HEAD BY WMNH.
6. PROPERTY LINE INFORMATION WAS TAKEN FROM A PLAN TITLED "BOUNDARY COMPILATION AND FOOTPRINT COMPILATION OF TLR-I AND TLR-III, ROCHESTER NECK ROAD, GONIC, 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'.
7. UTILITIES SHOWN IN THE AREA OF POND 7 WERE COMPILED BY SANBORN HEAD FROM AS-BUILT PLANS PREPARED BY RICHARD F. KAMINSKI & ASSOCIATES, INC. OF LAWRENCE, MASSACHUSETTS (KAMINSKI) AND DESIGN DRAWINGS BY SCS ENERGY OF LONG BEACH, CALIFORNIA (SCS) TITLED:
- 7.1. "AS-BUILT TLR-III (INITIAL CONSTRUCTION)" SHEET 3 OF 8 DATED JUNE 14, 1995 AND PREPARED KAMINSKI AT A SCALE OF 1"=50';
- 7.2. "TLR-III REFUSE DISPOSAL FACILITY NORTH MECHANICALLY STABILIZED EARTH (MSE) BERM" SHEETS 1-3, 5, & 7-13 PREPARED BY KAMINKIA AT A SCALE OF 1"=50', AND
- 7.3. "NORTH FLARE STATION AS-BUILTS" SHEETS 2 AND 3 DATED DECEMBER 28, 2006 PREPARED BY KAMINSKI AT A SCALE OF 1" = 10', AND
- 7.4. "UNIVERSITY OF NEW HAMPSHIRE FACILITY DESIGN AND CONSTRUCTION"
8. 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 THE OWNER 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 THE OWNER.
9. ZONING INFORMATION IS BASED ON THE CITY OF ROCHESTER, NH ZONING MAP PREPARED BY NORWAY PLAINS ASSOCIATES, INC. OF ROCHESTER, NEW HAMPSHIRE, ADOPTED APRIL 14, 2014 AND LAST AMENDED FEBRUARY 2, 2018.

ABBREVIATIONS

Ø	DIAMETER	MC	METAL COVER
A, ASPH	ASPHALT	MH	MANHOLE
AST	ABOVE-GROUND STORAGE TANK	MIN	MINIMUM
CB	CATCH BASIN	MSE	MECHANICALLY STABILIZED EARTH
CEM	CEMETERY	MW	MONITORING WELL
CFM	CUBIC FEET PER MINUTE	N	NORTHING
C, CONC	CONCRETE	NEC	NATIONAL ELECTRIC CODE
CMP	CORRUGATED METAL PIPE	NPT	NATIONAL PIPE THREAD
CPP	CORRUGATED POLYETHYLENE PIPE	O.C	ON CENTER
E	EASTING	OD	OUTER DIAMETER
EL	ELEVATION	PE	POLYETHYLENE
FES	FLARED END SECTION	PVC	POLYVINYL CHLORIDE
FM	FORCE MAIN	RCP	REINFORCED CONCRETE PIPE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RMC	RIGID METAL CONDUIT
GP	GAS PROBE	RO	REVERSE OSMOSIS
HDPE	HIGH-DENSITY POLYETHYLENE	SCH	SCHEDULE
HDWL	HEAD WALL	SDR	STANDARD DIMENSION RATIO
HP	HIGH POINT, HORSEPOWER	SS	STAINLESS STEEL
H2S	HYDROGEN SULFIDE	TMH	TELEMETRY MANHOLE
INV.	INVERT	TP	TEST PIT
LMH	LEACHATE MANHOLE	TLR	TURNKEY LANDFILL OF ROCHESTER
LFG	LANDFILL GAS	TRANS	TRANSFORMER
LTP	LEACHATE TREATMENT PLANT	TYP	TYPICAL
MAX	MAXIMUM	UST	UNDER-GROUND STORAGE TANK

MATERIAL SPECIFICATIONS

1. ORDINARY FILL SHALL BE NATURAL SOIL WITH NO PARTICLES LARGER THAN 8 INCHES.
2. GRANULAR FILL SHALL BE NATURAL SOIL WITH NO PARTICLES LARGER THAN 1 INCH.
3. CRUSHED STONE SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1-1/2 INCHES.
4. TYPE I RIPRAP SHALL CONSIST OF STONE RANGING IN SIZE FROM 2 TO 12 INCHES WITH A D₅₀ OF 6 INCHES.
5. TYPE II RIPRAP SHALL CONSIST OF STONE RANGING IN SIZE FROM 2 TO 24 INCHES WITH A D₅₀ OF 12 INCHES.

LEGEND

EXISTING CONDITIONS

	PROPERTY LINE
	TLR-I LIMIT OF WASTE CONTAINMENT
	LIMIT OF WASTE CONTAINMENT
	2-FOOT ELEVATION CONTOUR
	10-FOOT ELEVATION CONTOUR
	EDGE OF PAVED ROAD
	UNPAVED ROAD
	EDGE OF WATER
	FORCE MAIN
	GRAVITY MAIN
	OVERHEAD UTILITIES
	UNDERGROUND ELECTRIC
	TELEMETRY LINE
	LANDFILL GAS PIPE
	CONDENSATE DRAIN
	WATER MAIN
	PROPANE GAS LINE
	STORMWATER DRAINAGE CULVERT
	FENCE
	TREE LINE
	GUARDRAIL
	DRAINAGE CULVERT
	PAVED AREA
	CONCRETE
	WETLAND AREA
	RIPRAP
	GABION-LINED SWALE
	UTILITY POLE
	POST
	MISC. OBJECT
	SIGN
	LIGHT POST
	TREE/BUSH
	FORCE MAIN MANHOLE
	GRAVITY MAIN MANHOLE
	MONITORING WELL AND DESIGNATION
	GAS PROBE AND DESIGNATION
	CULVERT HEADWALL
	LANDFILL GAS CONTROL VALVE

PROPOSED CONDITIONS

	LIMIT OF DISTURBANCE
	2-FOOT ELEVATION CONTOUR
	10-FOOT ELEVATION CONTOUR
	EDGE OF ROAD
	SLOPE BREAK
	LANDFILL GAS PIPE
	CONDENSATE DRAIN
	UNDERGROUND ELECTRIC
	ELECTRIC
	GROUND ELECTRODE SYSTEM
	GUARDRAIL
	50-FT WETLAND BUFFER
	SHORELAND SETBACK
	DRAINAGE CULVERT
	DRAINAGE CULVERT DESIGNATION
	FILTER LOG
	PAVED AREA
	RIPRAP
	GRANULAR FILL
	CONCRETE
	CRUSHED STONE
	GRAVEL
	COORDINATES
	SPOT ELEVATION
	HIGH POINT
	LANDFILL GAS CONTROL VALVE
	POLE MOUNTED LIGHT

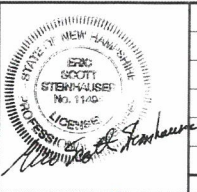
FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:

DATE:

SANBORN HEAD

SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY
△	01/21/19	REVISED REFERENCE NOTES NUMBERING PER CITY COMMENTS	OHP

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR. T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

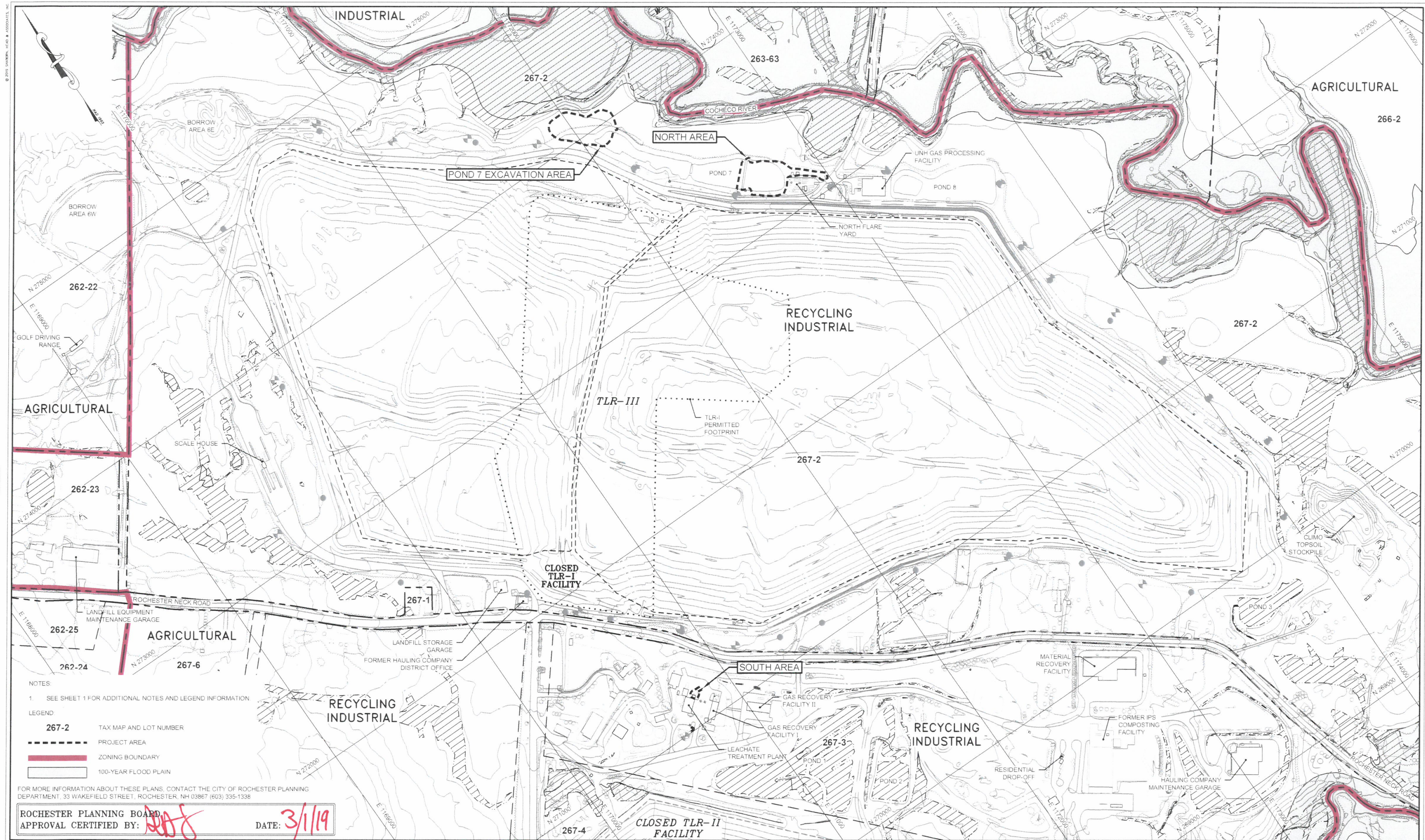
PROJECT NUMBER

4413.00

NOTES, LEGEND, AND
ABBREVIATIONS

SHEET NUMBER

1 OF 13



ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: 

DATE:

DATE: 5/1/19

SANBORN ||| HEAD

[illegible]

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

PROJECT NUMBER:

4413.00

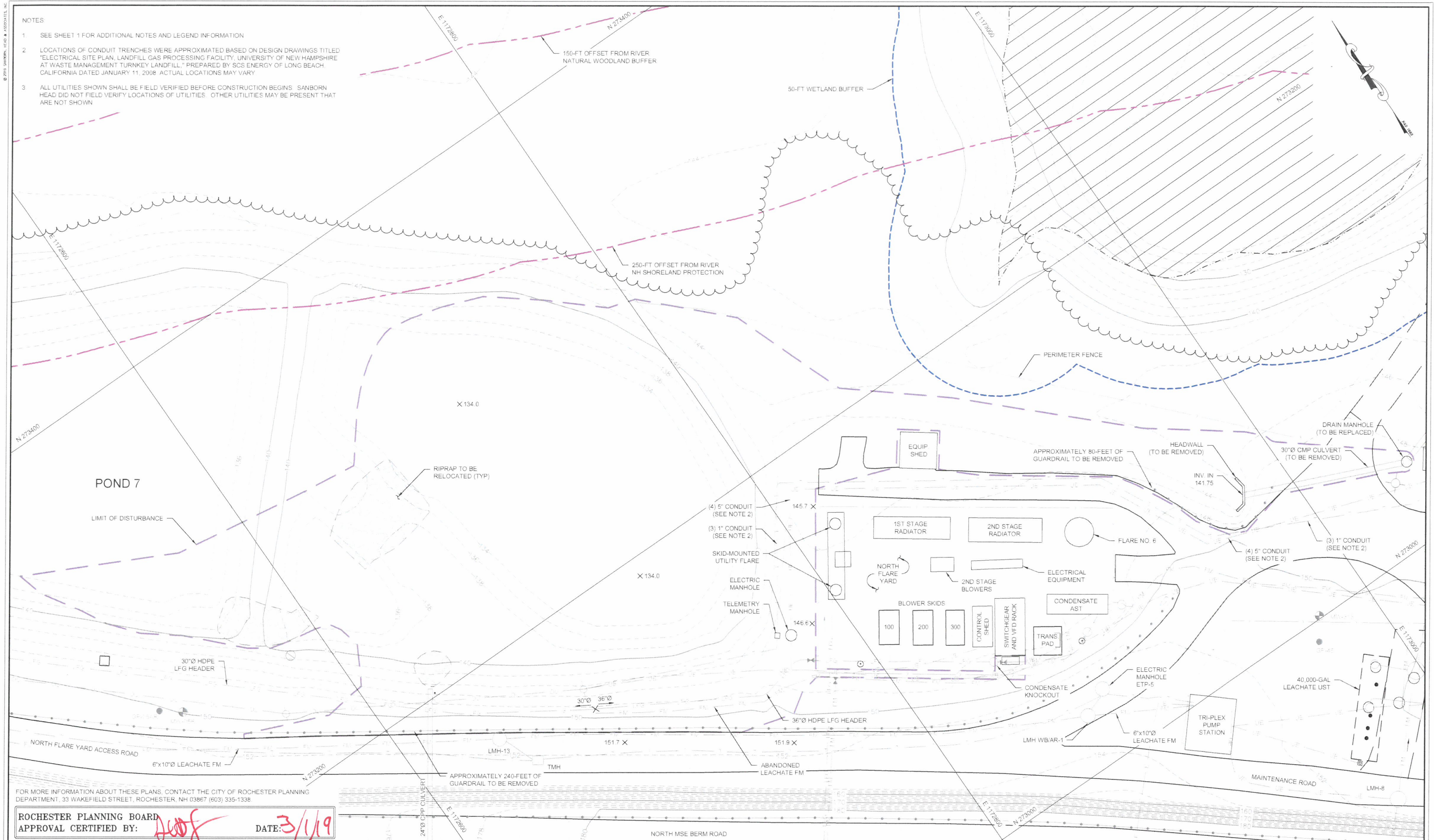
SHEET NUMBER:

2 OF 13

OVERALL SITE PLAN

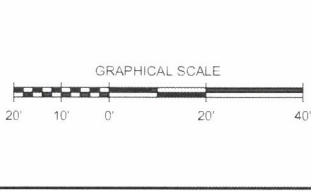
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- NOTES
1. SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION
 2. LOCATIONS OF CONDUIT TRENCHES WERE APPROXIMATED BASED ON DESIGN DRAWINGS TITLED "ELECTRICAL SITE PLAN, LANDFILL GAS PROCESSING FACILITY, UNIVERSITY OF NEW HAMPSHIRE AT WASTE MANAGEMENT TURNKEY LANDFILL," PREPARED BY SCS ENERGY OF LONG BEACH, CALIFORNIA DATED JANUARY 11, 2008. ACTUAL LOCATIONS MAY VARY.
 3. ALL UTILITIES SHOWN SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION BEGINS. SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.



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: *[Signature]* DATE: 3/1/19



NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

**NORTH AREA
EXISTING CONDITIONS PLAN**

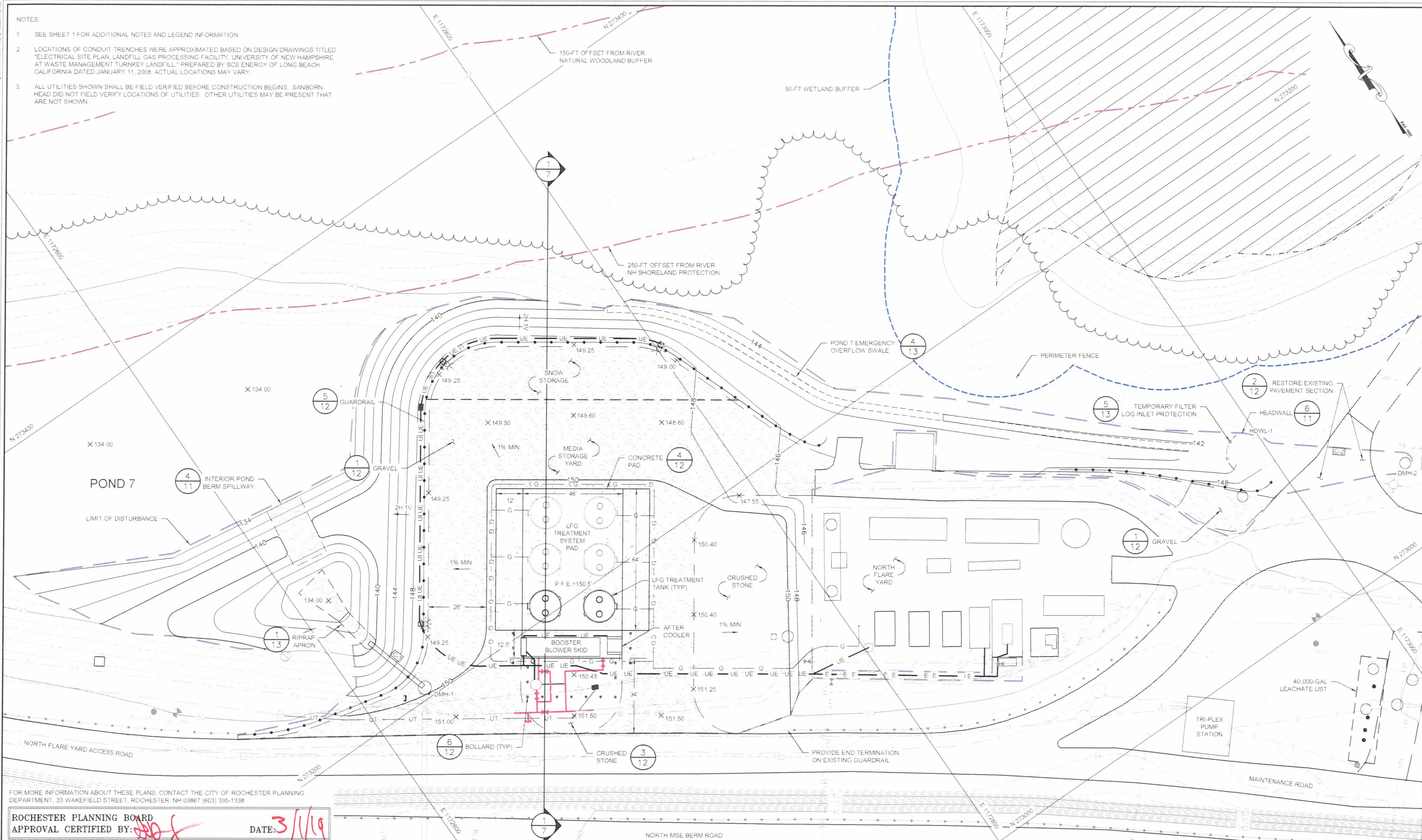
PROJECT NUMBER
4413.00

SHEET NUMBER
3 OF 13

1 SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION

2 LOCATIONS OF CONDUIT TRENCHES WERE APPROXIMATED BASED ON DESIGN DRAWINGS TITLED "ELECTRICAL SITE PLAN, LANDFILL GAS PROCESSING FACILITY, UNIVERSITY OF NEW HAMPSHIRE AT WASTE MANAGEMENT TURKEY LANDFILL," PREPARED BY SCS ENERGY OF LONG BEACH, CALIFORNIA DATED JANUARY 11, 2006. ACTUAL LOCATIONS MAY VARY.

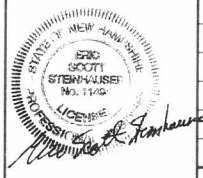
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ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: 

DATE: 3/1/09

SANBORN ||| HEAD

[illegible]

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

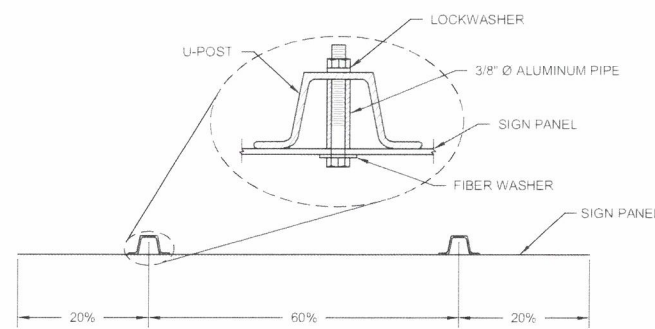
LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

PROPOSED NORTH AREA SITE PLAN

PROJECT NUMBER	4413.00
SHEET NUMBER	4 OF 13

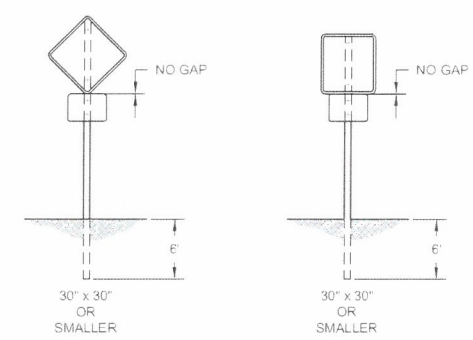
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- NOTES
1. SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION
 2. VEHICLE MODELED WAS A 8'-2" WIDE BY 40' LONG PUMPER TRUCK
 3. CIRCULATION MODEL PERFORMED USING AUTODESK VEHICLE TRACKING 2019



STEEL U-POST SPACING

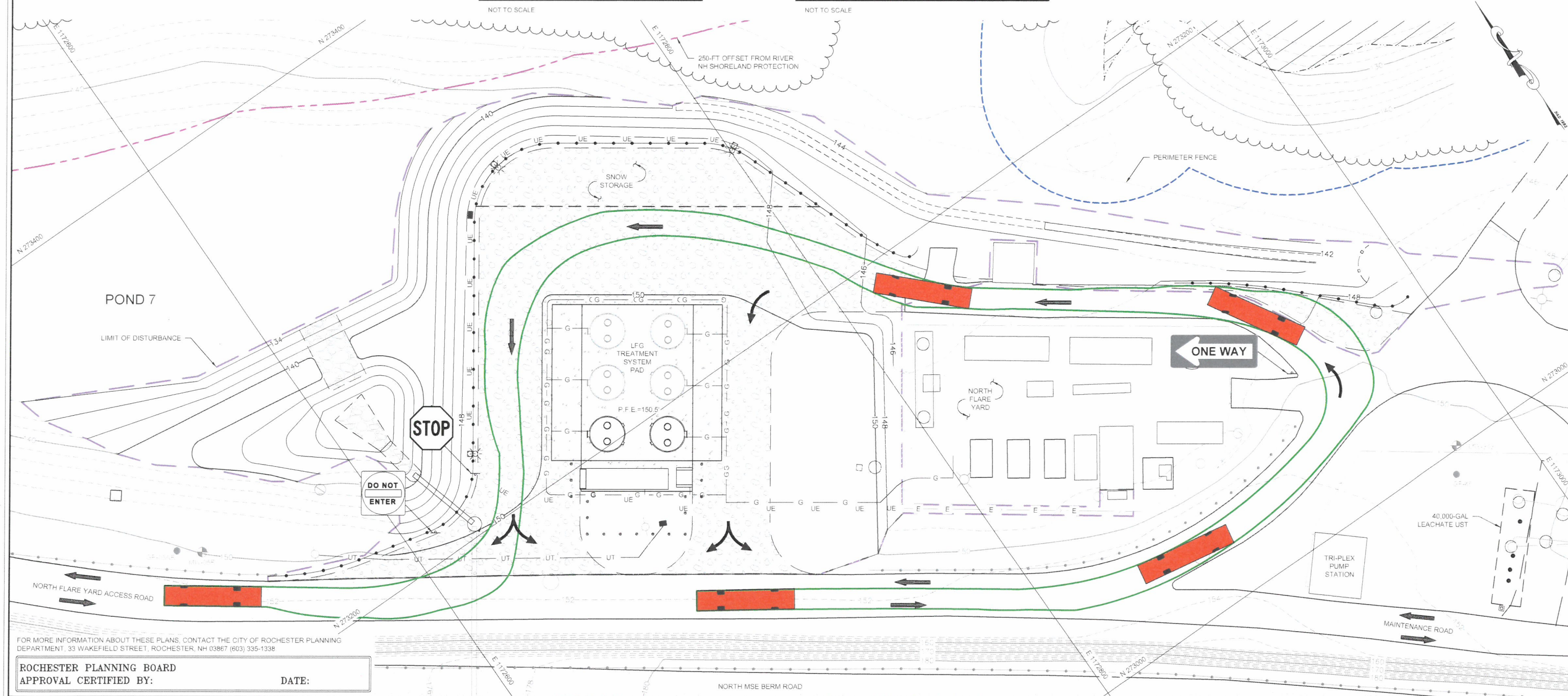
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SIGN VERTICAL DIMENSION

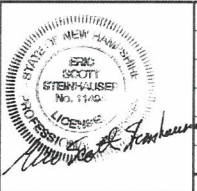
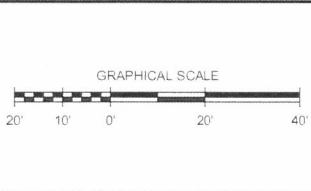
NOT TO SCALE

NEW SIGNAGE SCHEDULE								
MUTCD ID NUMBER	NUMBER OF SIGNS REQUIRED	WIDTH (INCHES)	HEIGHT (INCHES)	TEXT	LETTER HEIGHT (INCHES)	ARROW LENGTH (INCHES)	VERTICAL DISTANCE BETWEEN ROAD SURFACE AND BOTTOM OF SIGN (FT.)	NUMBER OF POSTS
R1-1	1	30	30	STOP	10C	---	5	1
R5-1	1	30	30	DO NOT ENTER	4D	---	5	1
R6-1R	1	36	12	ONE WAY	4D	---	6	1



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: _____



NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

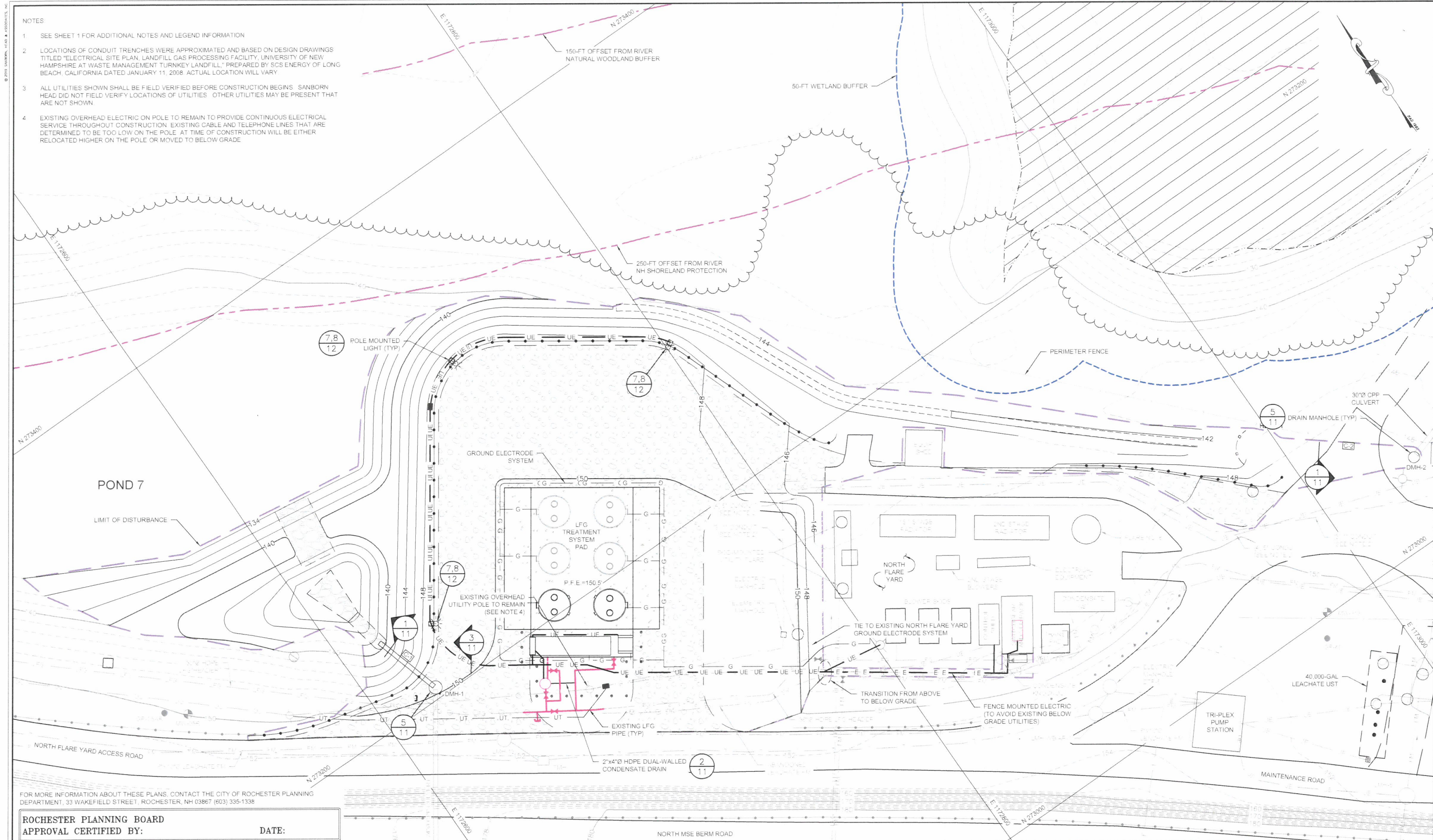
LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE
**PROPOSED NORTH AREA
CIRCULATION AND SIGNAGE PLAN**

PROJECT NUMBER
4413.00
SHEET NUMBER
5 OF 13

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NOTES:

1. SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION
2. LOCATIONS OF CONDUIT TRENCHES WERE APPROXIMATED AND BASED ON DESIGN DRAWINGS TITLED "ELECTRICAL SITE PLAN, LANDFILL GAS PROCESSING FACILITY, UNIVERSITY OF NEW HAMPSHIRE AT WASTE MANAGEMENT TURNKEY LANDFILL," PREPARED BY SCS ENERGY OF LONG BEACH, CALIFORNIA, DATED JANUARY 11, 2008. ACTUAL LOCATION WILL VARY.
3. ALL UTILITIES SHOWN SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION BEGINS. SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
4. EXISTING OVERHEAD ELECTRIC ON POLE TO REMAIN TO PROVIDE CONTINUOUS ELECTRICAL SERVICE THROUGHOUT CONSTRUCTION. EXISTING CABLE AND TELEPHONE LINES THAT ARE DETERMINED TO BE TOO LOW ON THE POLE AT TIME OF CONSTRUCTION WILL BE EITHER RELOCATED HIGHER ON THE POLE OR MOVED TO BELOW GRADE.



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:

SANBORN HEAD



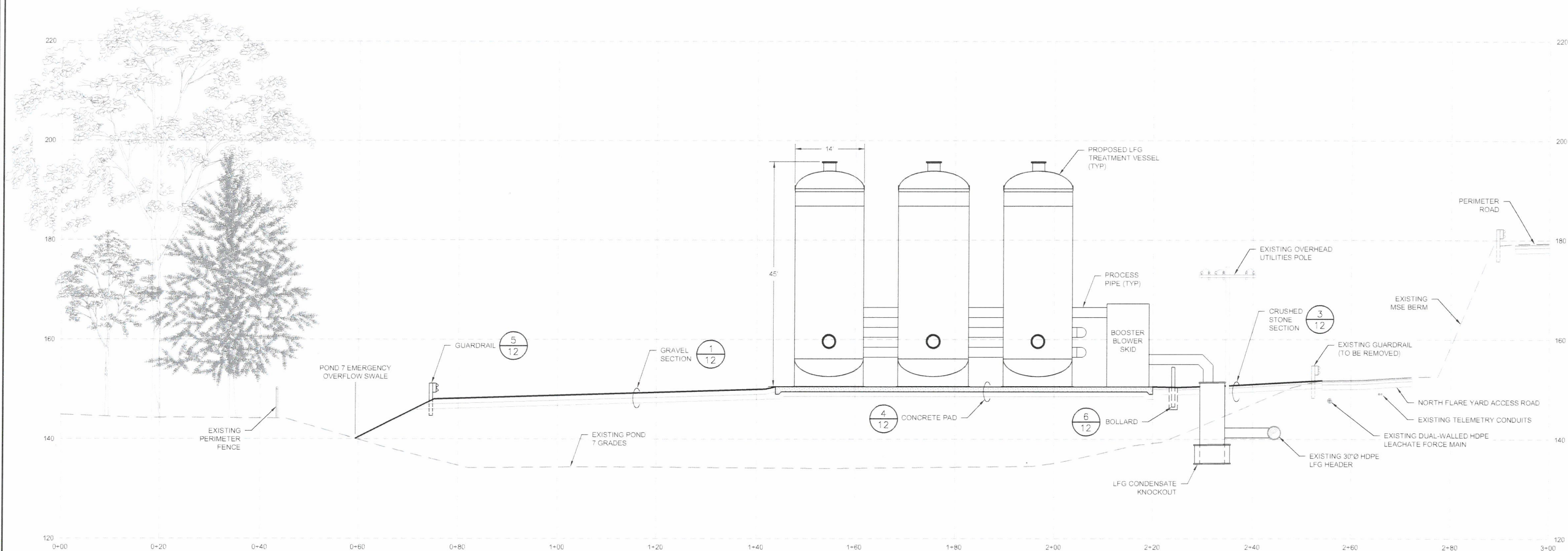
NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

PROPOSED NORTH AREA
UTILITIES PLAN

PROJECT NUMBER
4413.00
SHEET NUMBER
6 OF 13



NORTH AREA PROFILE

1

NOT TO SCALE

NOTES

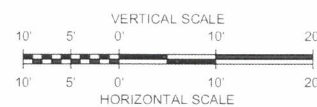
- 1 SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION
- 2 ALL UTILITIES SHOWN SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION BEGINS. SANBORN
HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT
THAT ARE NOT SHOWN
- 3 APPROXIMATE TREE ELEVATIONS WERE OBTAINED FROM GOOGLE EARTH

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:

SANBORN ||| HEAD

[illegible]

DRAWN BY: M. HOCK
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

PROPOSED NORTH AREA SITE CROSS-SECTION

PROJECT NUMBER:

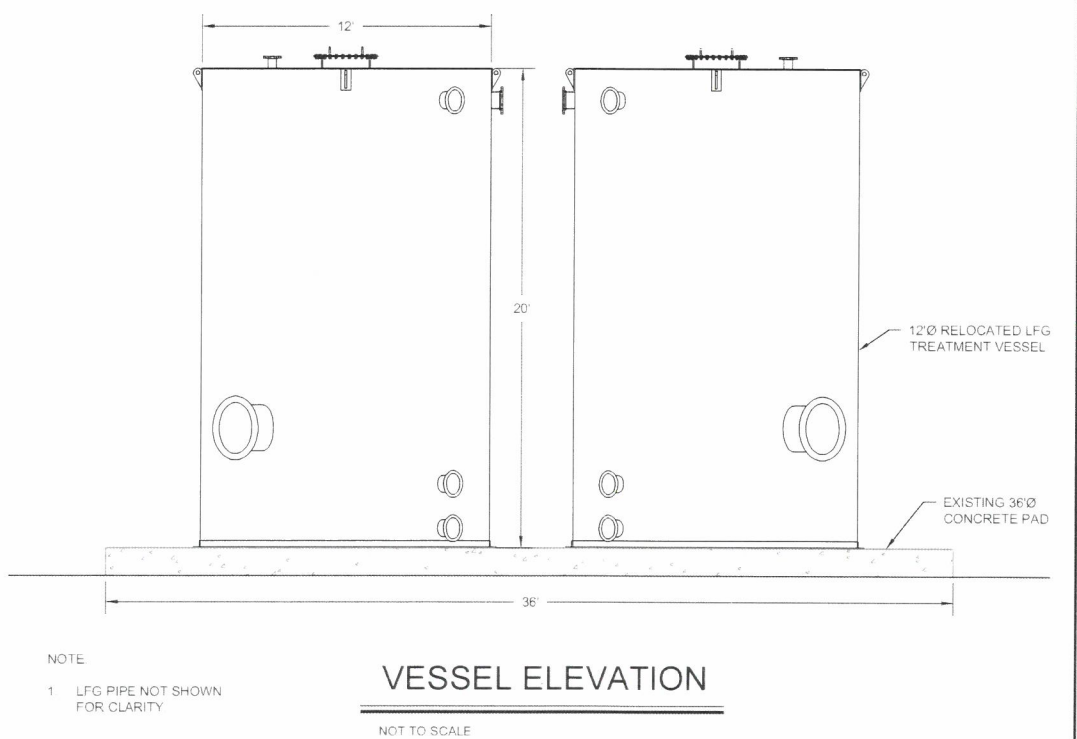
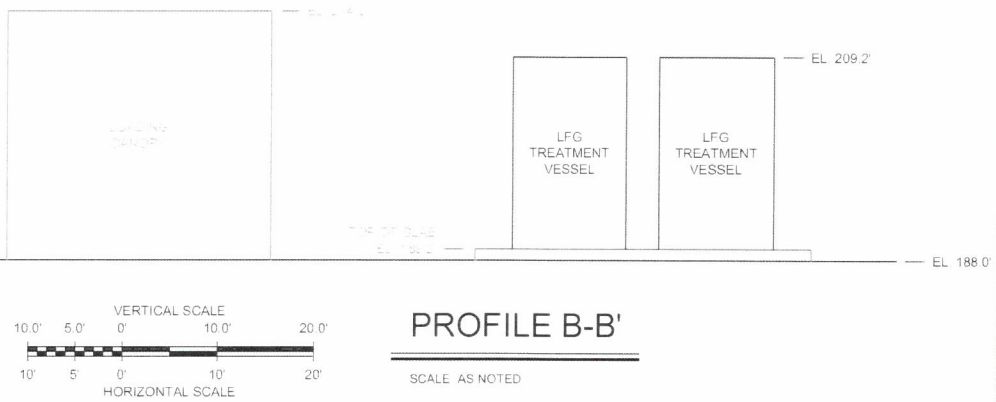
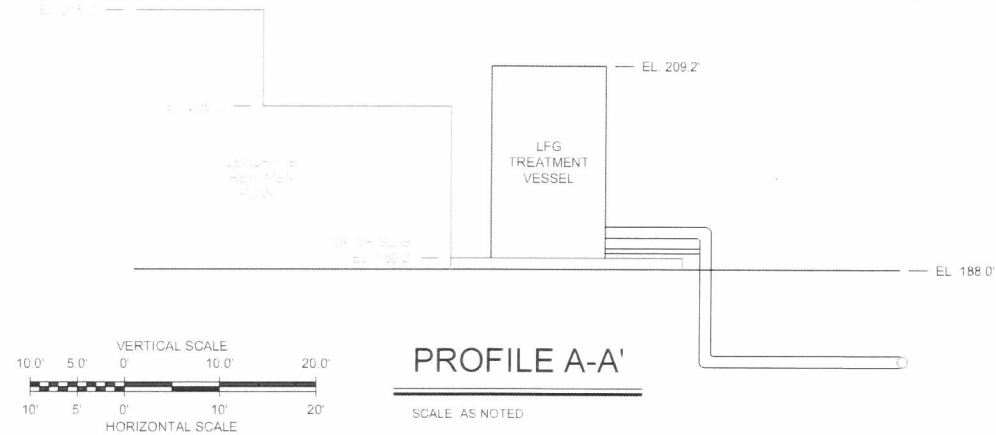
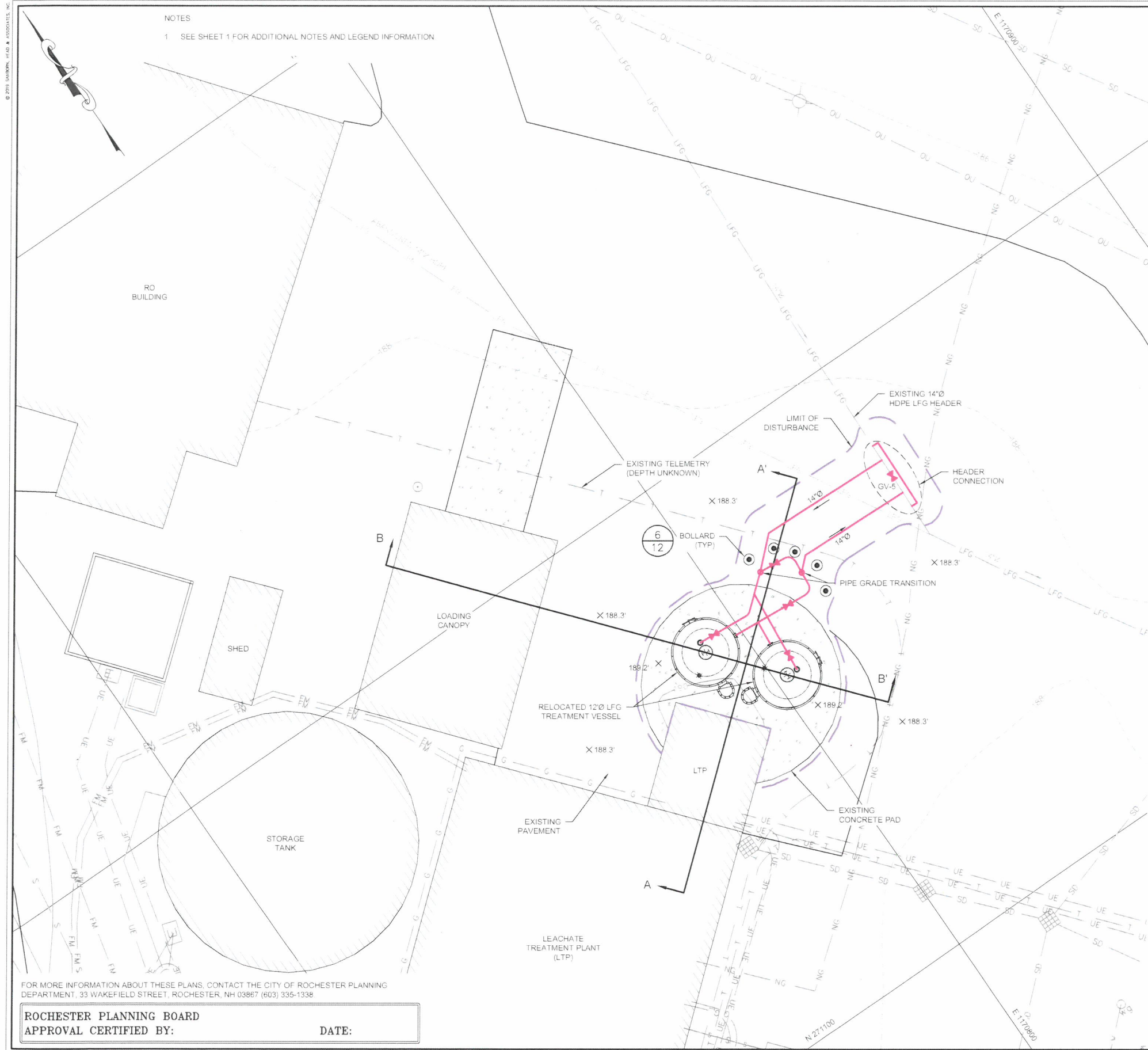
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SHEET NUMBER:

7 OF 13

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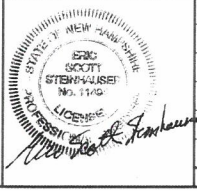
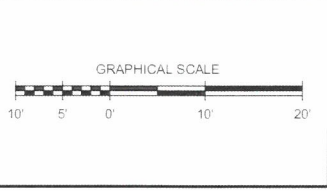
1. SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION



NOTE
1. LFG PIPE NOT SHOWN FOR CLARITY

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: _____

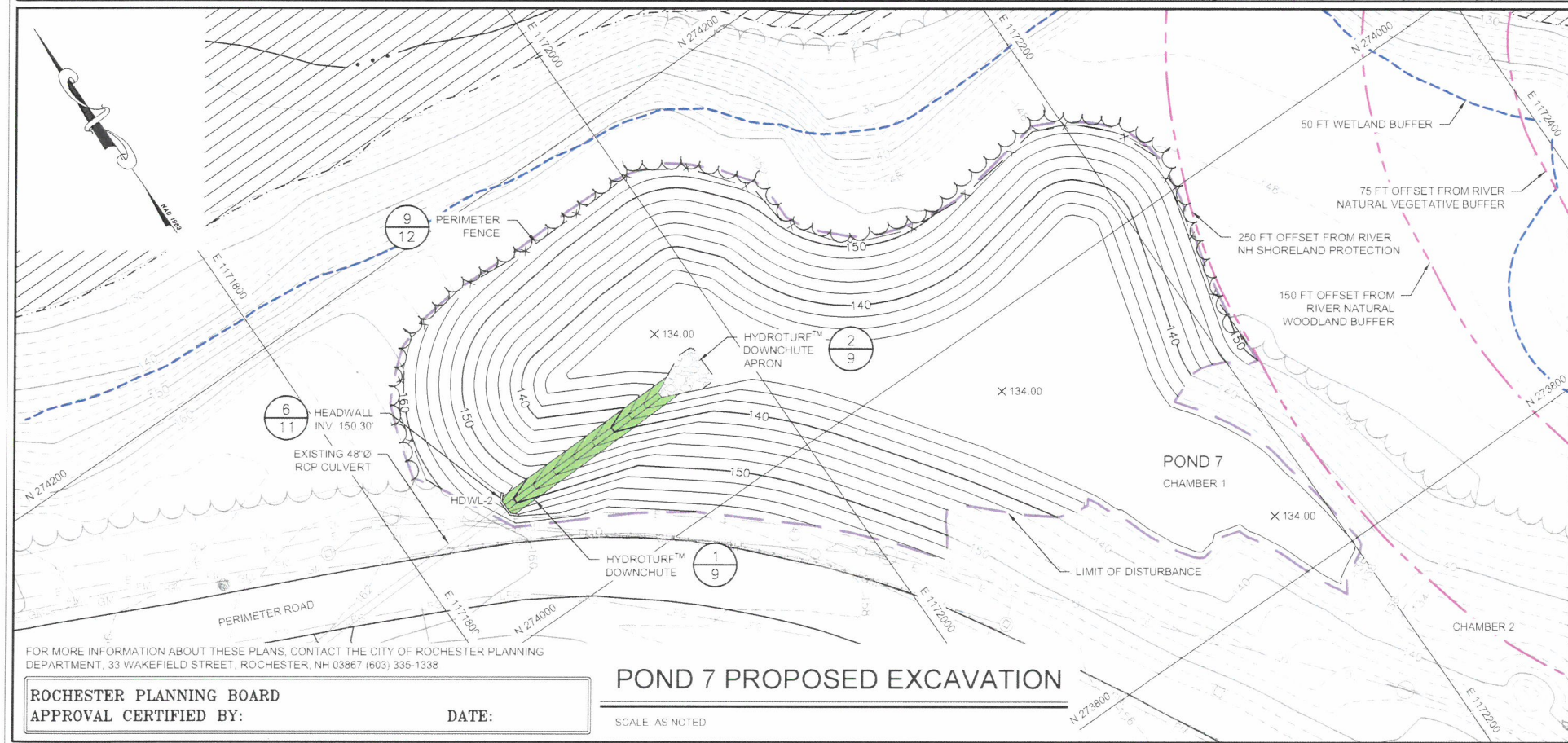
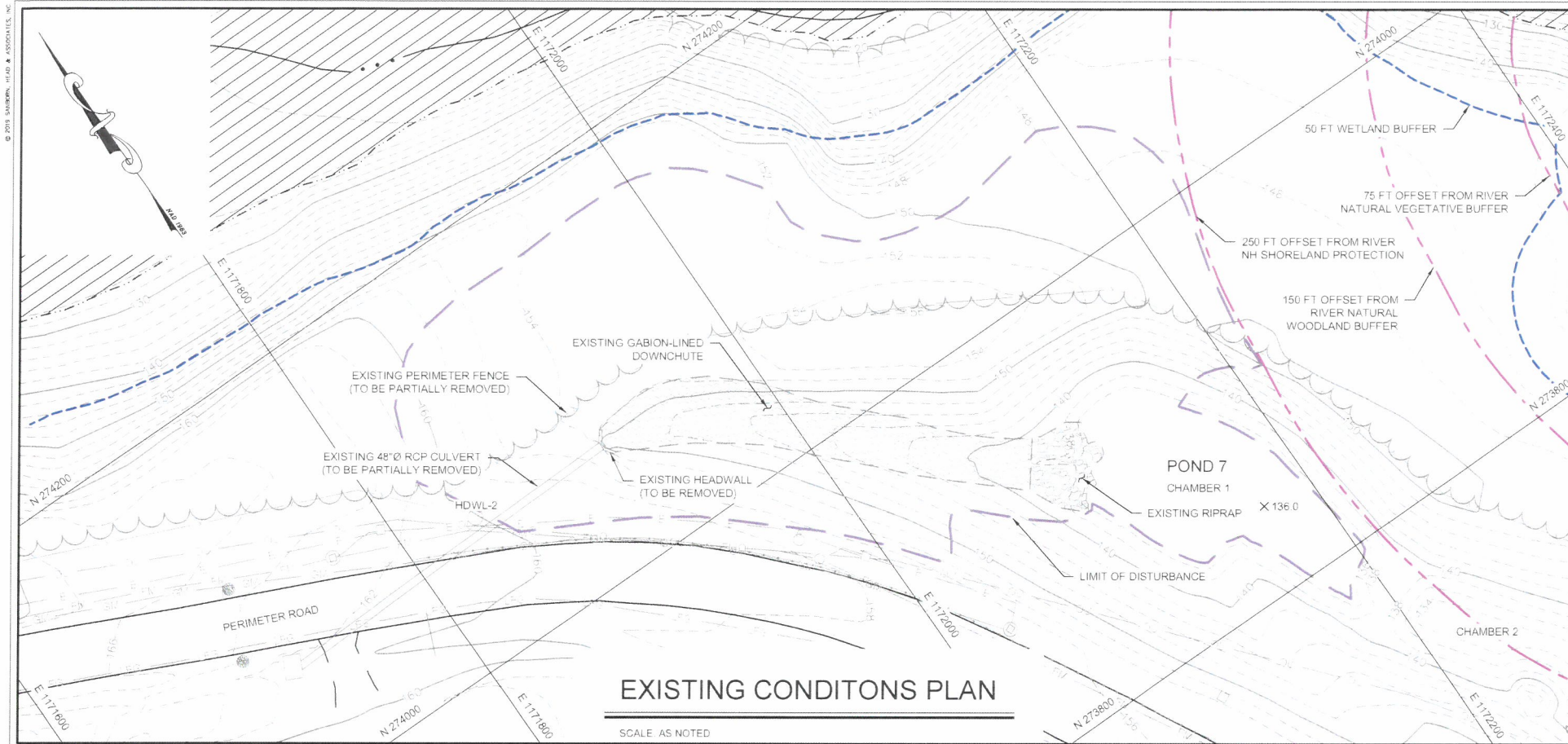


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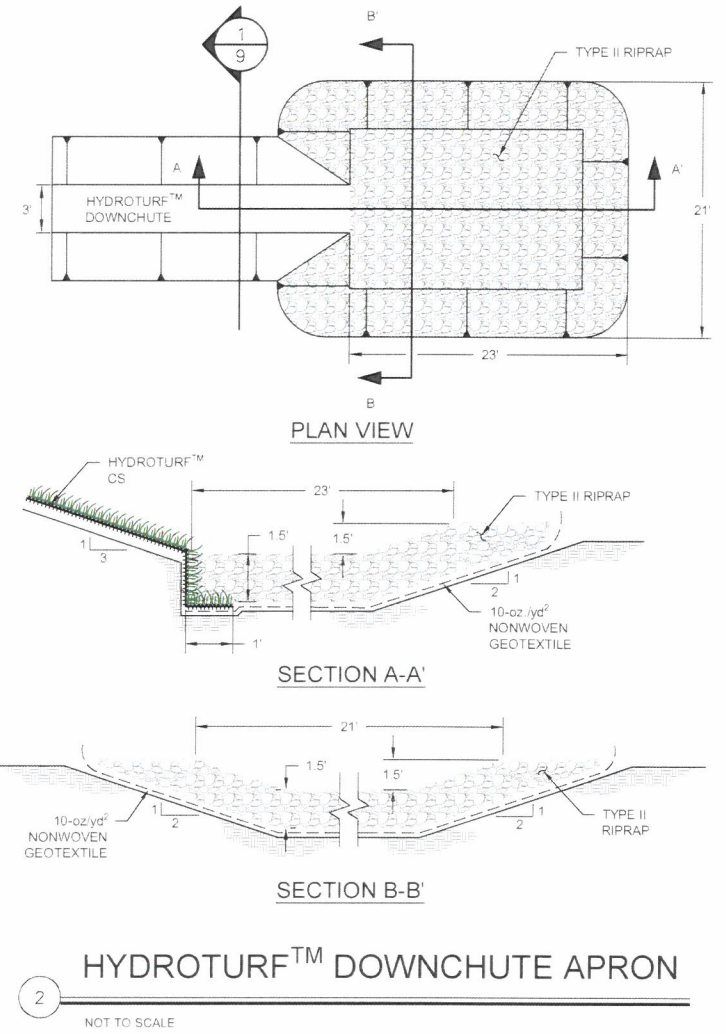
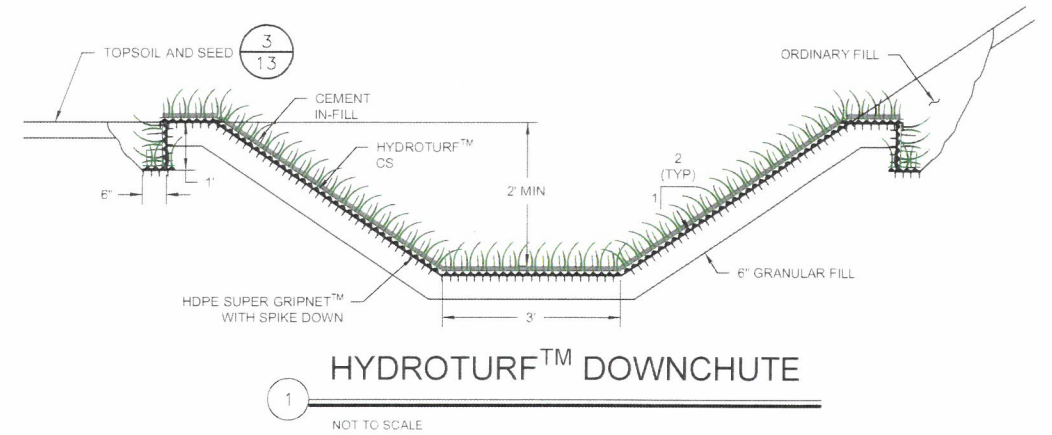
DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE
**PROPOSED SOUTH AREA SITE PLAN
AND CROSS-SECTIONS**

PROJECT NUMBER
4413.00
SHEET NUMBER
8 OF 13



- NOTES
- 1 SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION
 - 2 ALL UTILITIES SHOWN SHALL BE FIELD VERIFIED BEFORE CONSTRUCTION BEGINS. SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
 - 3 10-oz/yd² GEOTEXTILE SHALL BE PLACED UNDER HYDROTURF™ AND DAY LIGHTED AT EDGE FOR INSPECTION
 - 4 HYDROTURF™ SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS



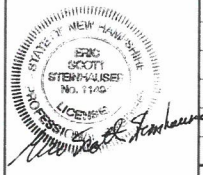
ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:

DATE:

POND 7 PROPOSED EXCAVATION

SCALE: AS NOTED

SANBORN HEAD



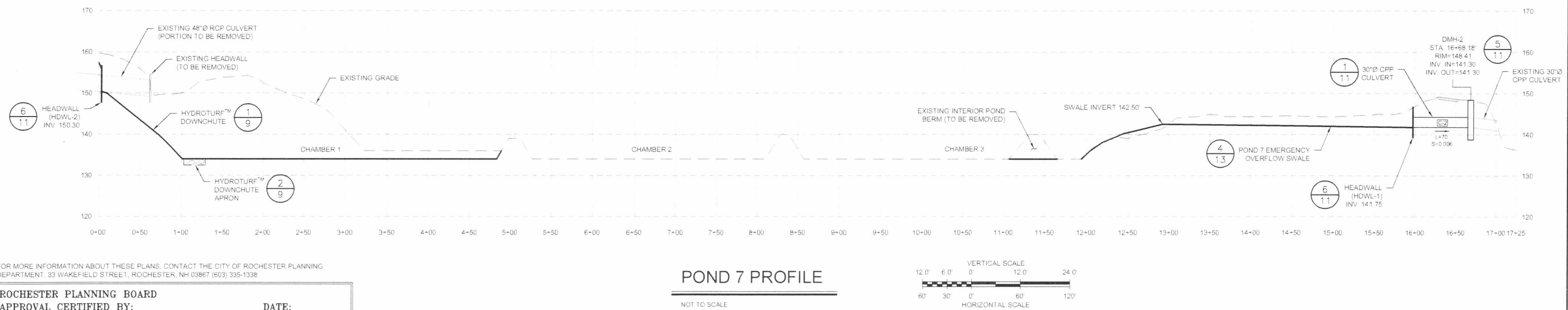
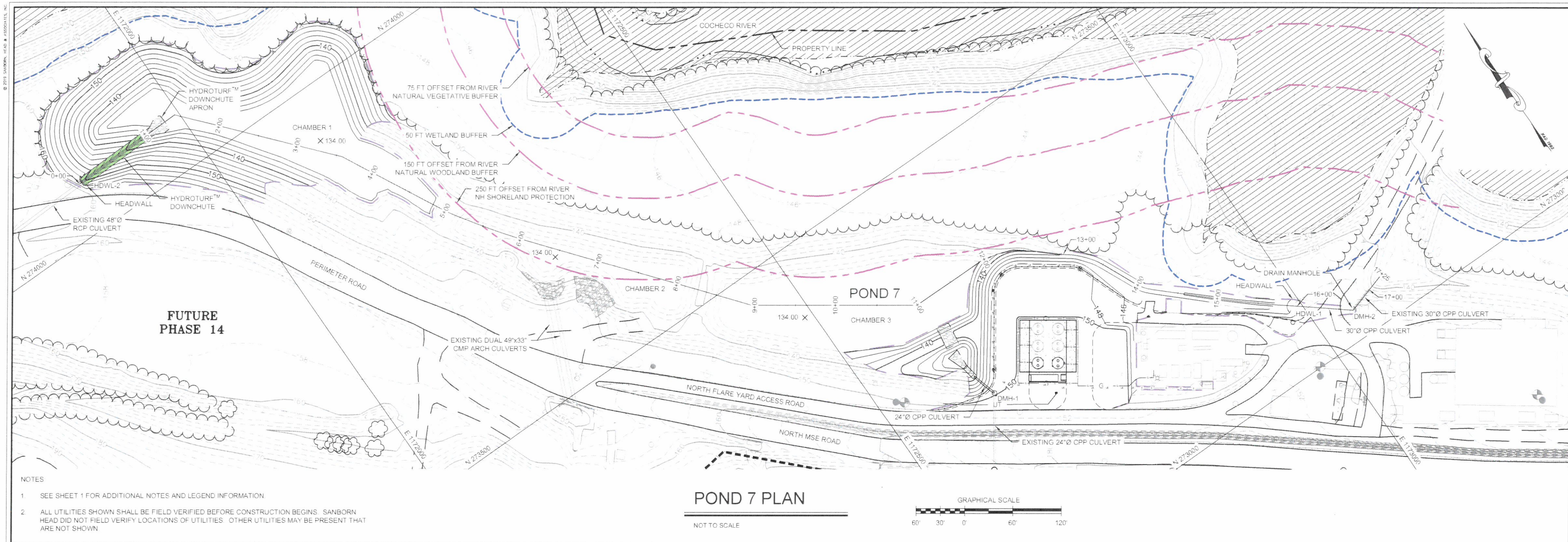
NO.	DATE	DESCRIPTION	BY

DRAWN BY: A. MATTHEWS
DESIGNED BY: A. MATTHEWS
REVIEWED BY: T. REED
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2018

LFG SUPPLEMENTAL TREATMENT SYSTEMS
SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

PROPOSED POND 7 EXCAVATION
PLAN AND DETAILS

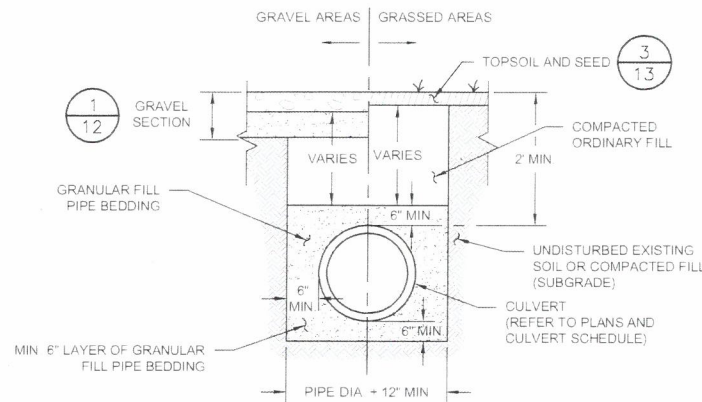
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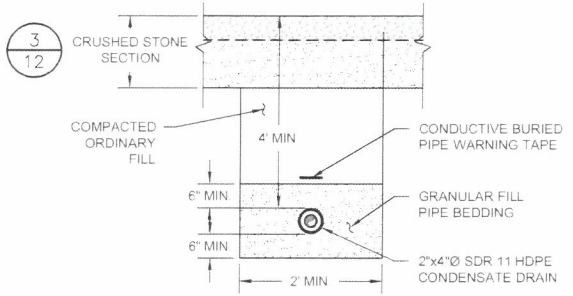
PROJECT: LFG SUPPLEMENTAL TREATMENT SYSTEMS SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE
DATE: 11/15/17
BY: T. REED

REVISIONS: 1. 11/15/17
2. 11/15/17
3. 11/15/17



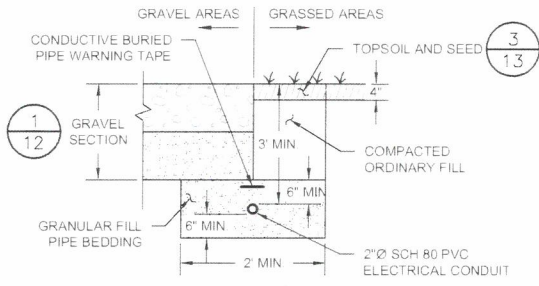
CULVERT TRENCH SECTION

1 NOT TO SCALE



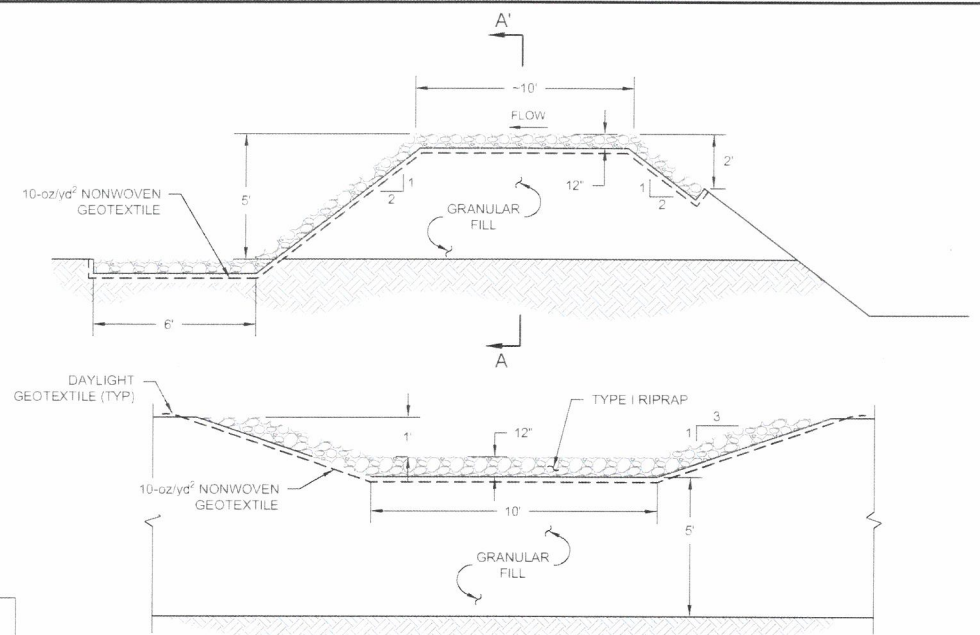
FORCE MAIN TRENCH

2 NOT TO SCALE



ELECTRICAL TRENCH

3 NOT TO SCALE



SECTION A-A: SECTION THROUGH RIPRAP-LINED SPILLWAY

INTERIOR POND BERM SPILLWAY

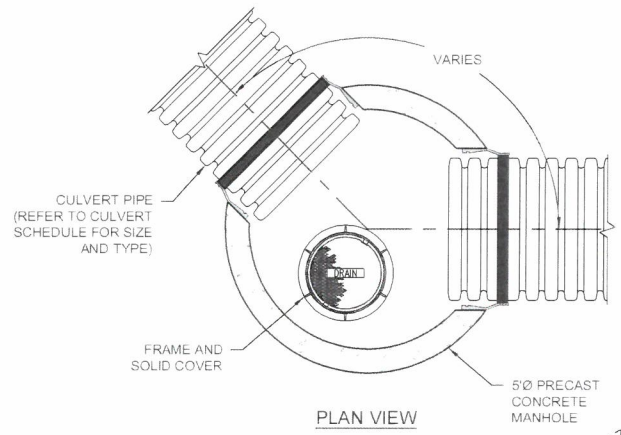
4 NOT TO SCALE

CULVERT SCHEDULE									
CULVERT	DESCRIPTION	TYPE	DIAMETER (IN)	LENGTH (FT)	INLET END	OUTLET END	INV. IN (FT)	INV. OUT (FT)	SLOPE (FT/FT)
C-1	DMH-1 TO POND 7	CPP	24	32	DMH-1	PROJ	143.28	139.00	0.134
C-2	HDWL-1 TO DMH-2	CPP	30	70	HDWL-1	DMH-2	141.75	141.30	0.006

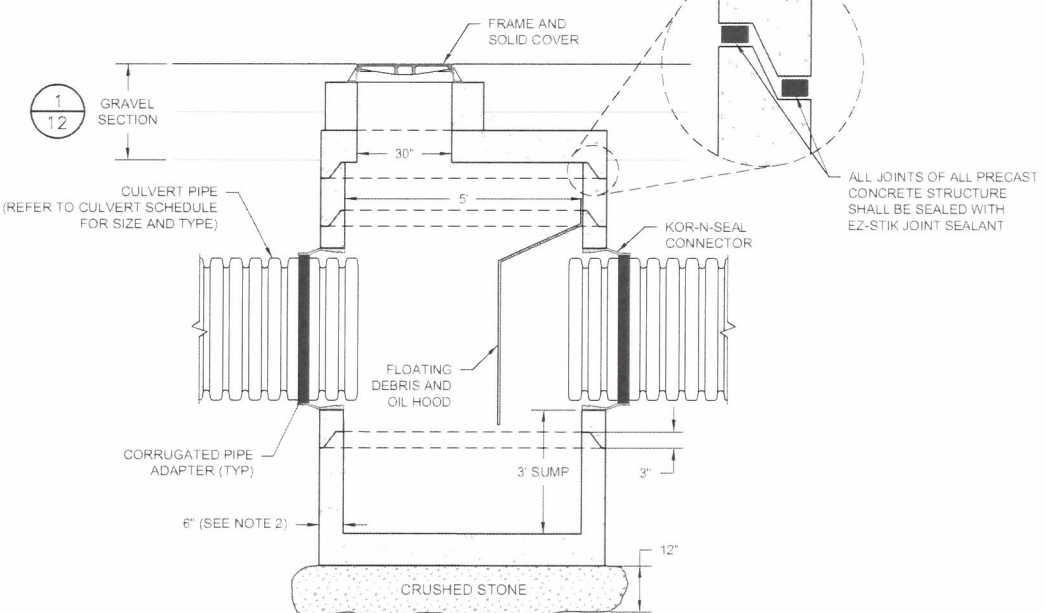
- NOTES:
- THE PROPOSED INVERT ELEVATIONS SHOWN IN THESE SCHEDULES REPRESENT DESIGN ELEVATIONS WHICH ARE BASED ON DESIGN OR EXISTING CULVERT INVERT ELEVATIONS. THE INTENT IS THAT THE CULVERTS BE INSTALLED WITH THE PROPOSED SLOPE AND ELEVATIONS AT THE INVERTS OF CORRESPONDING EXISTING SWALES OR CHANNELS. IF THE ACTUAL INVERT ELEVATIONS DIFFER SIGNIFICANTLY DURING INSTALLATION FROM THOSE INDICATED, OBTAIN APPROVAL FROM ENGINEER PRIOR TO BACKFILLING OVER THE PIPES. GRADES SHALL BE CONFIRMED FOR SHOP DRAWING APPROVAL BY ENGINEER.
 - WALL THICKNESS SHOWN ARE FOR REFERENCE ONLY. ACTUAL WALL THICKNESSES SHALL BE DETERMINED BY THE PRECAST CONCRETE MANUFACTURER AT TIME OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.
 - THE LIST BELOW CONTAINS ABBREVIATIONS SHOWN SPECIFICALLY ON THIS SHEET.
CB = CATCH BASIN
CPP = CORRUGATED POLYETHYLENE PIPE
DMH = DRAINAGE MANHOLE
EX PIPE = EXISTING PIPE
HDWL = HEADWALL
PROJ = PROJECTING
RCP = REINFORCED CONCRETE PIPE

DRAINAGE STRUCTURE SCHEDULE				
STRUCTURE	SIZE	RIM ELEV.	INLET	OUTLET
DMH-1	5'Ø	149.60	EX PIPE	C-1
DMH-2	5'Ø	148.41	C-2	EX PIPE
HDWL-1	14'-4" x 8'	N/A	TRASH RACK	C-2
HDWL-2	16' x 8'	N/A	TRASH RACK	DOWNGHUTE

DRAINAGE STRUCTURE PARTS LIST	
FRAME AND SOLID COVER	NEENAH FOUNDRY CO. MODEL 3570-A OR EQUIVALENT APPROVED BY THE ENGINEER
EZ-STIK JOINT SEALANT	BUTYL-RUBBER-BASED PREFORMED FLEXIBLE SEALANT EZ-STIK, MANUFACTURED BY PRESS-SEAL GASKET CORP. OF FORT WAYNE, INDIANA, OR EQUIVALENT APPROVED BY ENGINEER
KOR-N-SEAL CONNECTOR	KOR-N-SEAL CONNECTOR BY TRELLEBORG PIPE SEALS, MILFORD OR EQUIVALENT APPROVED BY ENGINEER
CORRUGATED PIPE ADAPTER	24"Ø CPP MODEL S206-32 30"Ø CPP MODEL S206-40 48"Ø RCP MODEL S206-48L WATERTIGHT CORRUGATED PIPE ADAPTER BY TRELLEBORG PIPE SEALS, MILFORD, NH OR EQUIVALENT APPROVED BY ENGINEER



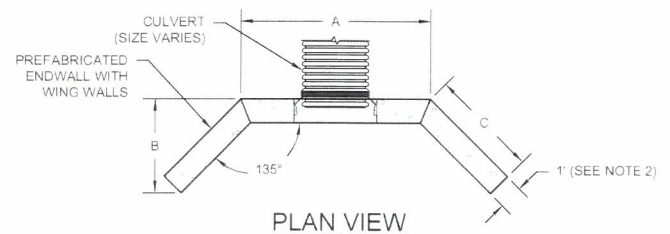
PLAN VIEW



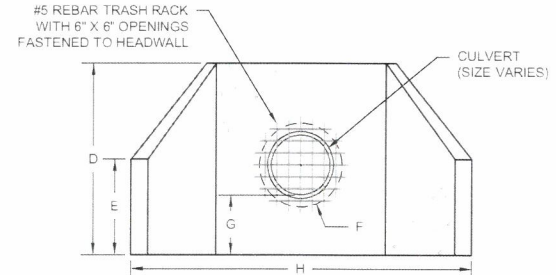
ELEVATION VIEW

DRAIN MANHOLE

5 NOT TO SCALE



PLAN VIEW



ELEVATION VIEW

HEADWALL DIMENSION SCHEDULE								
CULVERT DIAMETER	A	B	C	D	E	F	G	H
30"	8'	3'-11"	4'-6"	8'	4'	42"	30"	14'-4"
48"	8'	4'-9"	5'-8"	9'	5'	63"	31 1/2"	16'

HEADWALL

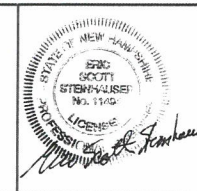
6 NOT TO SCALE

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: _____



SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY

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DESIGNED BY: A. MATTHEWS
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PROJECT MGR: T. REED
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SITE PLAN APPLICATION DRAWINGS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE
SITE AND ROADWAY DETAILS

PROJECT NUMBER
4413.00
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11 OF 13

SANBORN ||| HEAD

