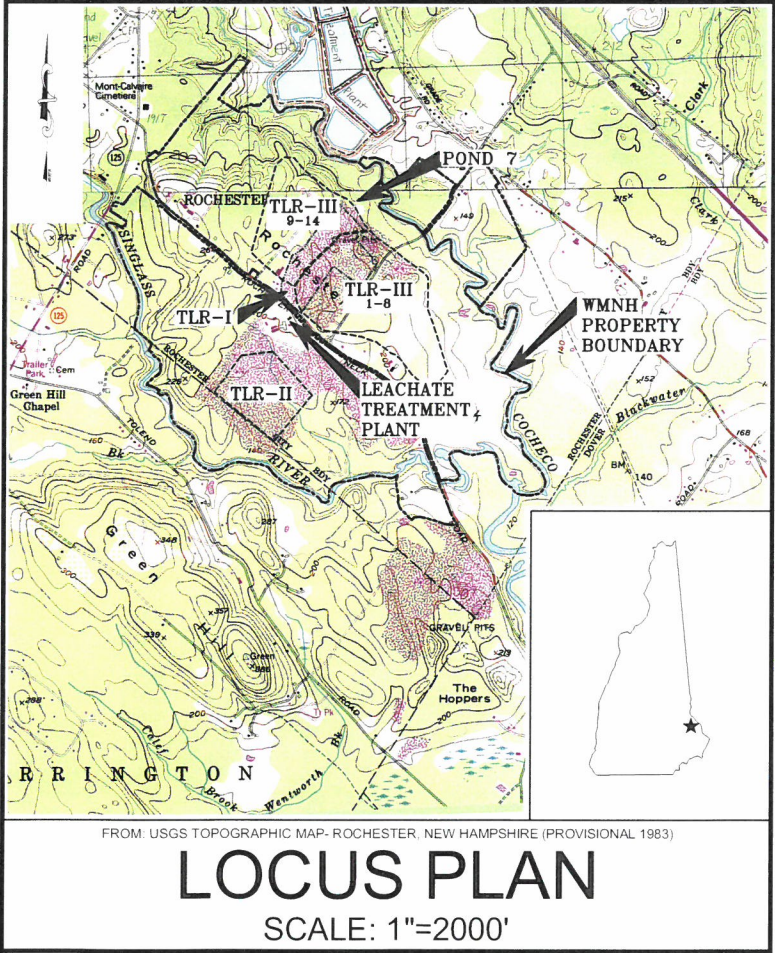


RECORD DRAWINGS

LFG SUPPLEMENTAL TREATMENT SYSTEMS

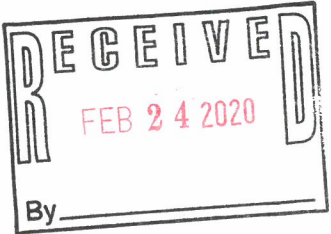
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

ROCHESTER, NEW HAMPSHIRE
FEBRUARY 2020



SHEET INDEX

SHEET	TITLE
C1	NOTES, LEGEND, AND ABBREVIATIONS
C2	OVERALL SITE PLAN
C3	NORTH AREA EXISTING CONDITIONS PLAN
C4	NORTH AREA SITE PLAN
C5	LFG SUPPLEMENTAL TREATMENT SYSTEM PLAN
C6	SOUTH AREA SITE PLAN
C7	POND 7 EXCAVATION PLAN AND DETAILS
C-8	CONDENSATE KNOCKOUT DETAILS
C9-C10	LFG SYSTEM DETAILS
C11-C12	SITE AND ROADWAY DETAILS
C13	POND 7 PLAN AND PROFILE
C14	EROSION AND SEDIMENT CONTROL DETAILS



RECORD DRAWINGS

THESE RECORD DRAWINGS ARE INTENDED TO BE A RECORD OF COMPLETION OF CONSTRUCTION TO DEMONSTRATE CONFORMANCE WITH THE FINAL PLANS APPROVED BY THE CITY OF ROCHESTER PLANNING BOARD AND CERTIFIED BY THE PLANNING DEVELOPMENT DEPARTMENT EXCEPT AS NOTED ON SHEET 1 OF THIS DRAWING SET.

SANBORN HEAD PREPARED THESE DRAWINGS WITH AS-BUILT SURVEY INFORMATION AND MARKUPS OF THE CONSTRUCTION DRAWINGS PREPARED BY OTHERS. SANBORN HEAD WAS NOT PRESENT DURING CONSTRUCTION AND WAS NOT RESPONSIBLE FOR VERIFYING THE ACCURACY OR COMPLETENESS OF ANY OF THE INFORMATION PRESENTED ON THESE DRAWINGS.

PREPARED BY:



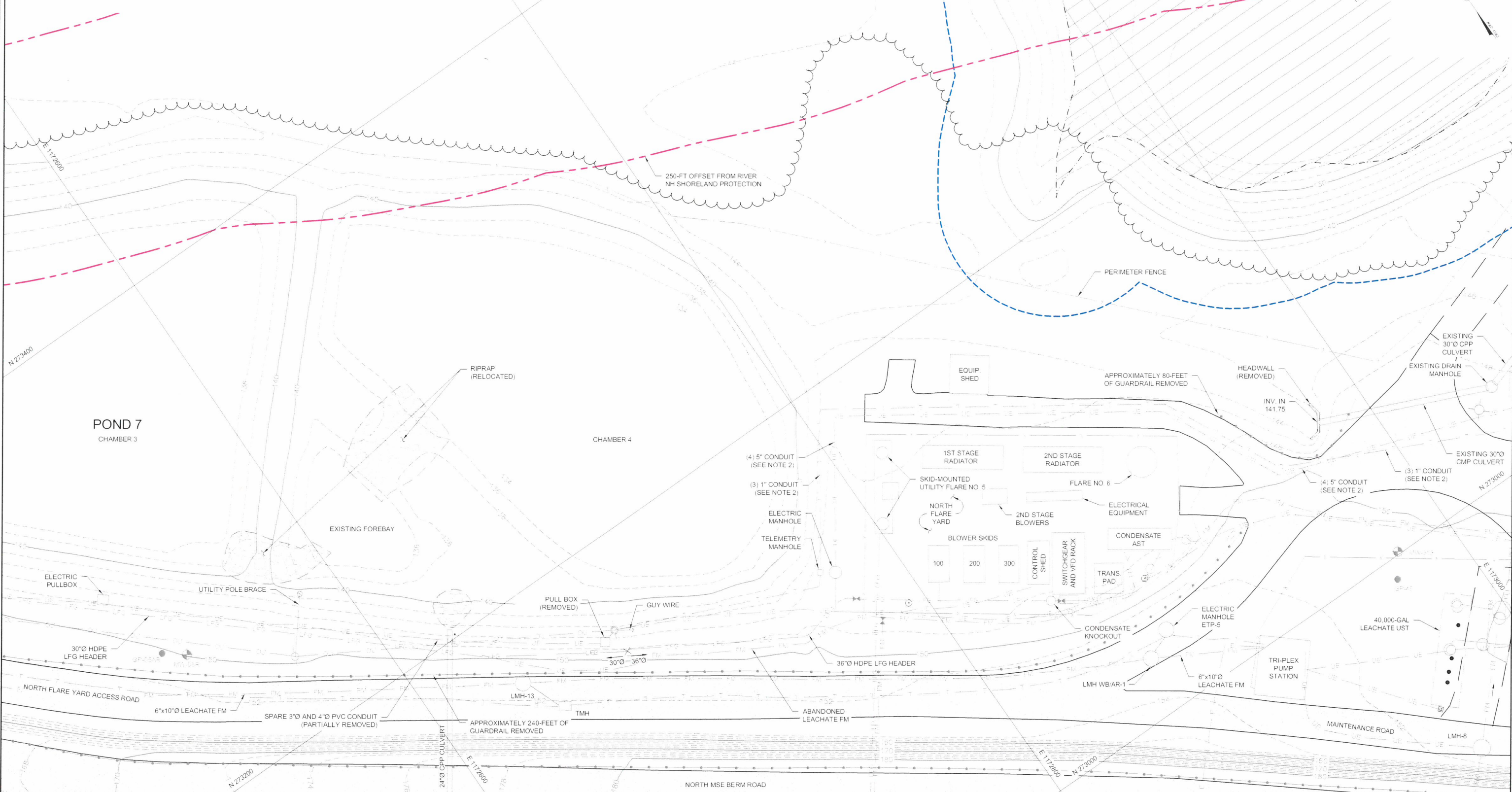
20 FOUNDRY STREET, CONCORD, NEW HAMPSHIRE 03301
(603) 229-1900 FAX (603) 229-1919

PREPARED FOR:



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

- NOTES:
- SEE SHEET C1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.
 - 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.
 - SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.



GRAPHICAL SCALE

20' 10' 0' 20' 40'

NO.	DATE	DESCRIPTION	BY

DRAWN BY: S. SANTIAGO
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

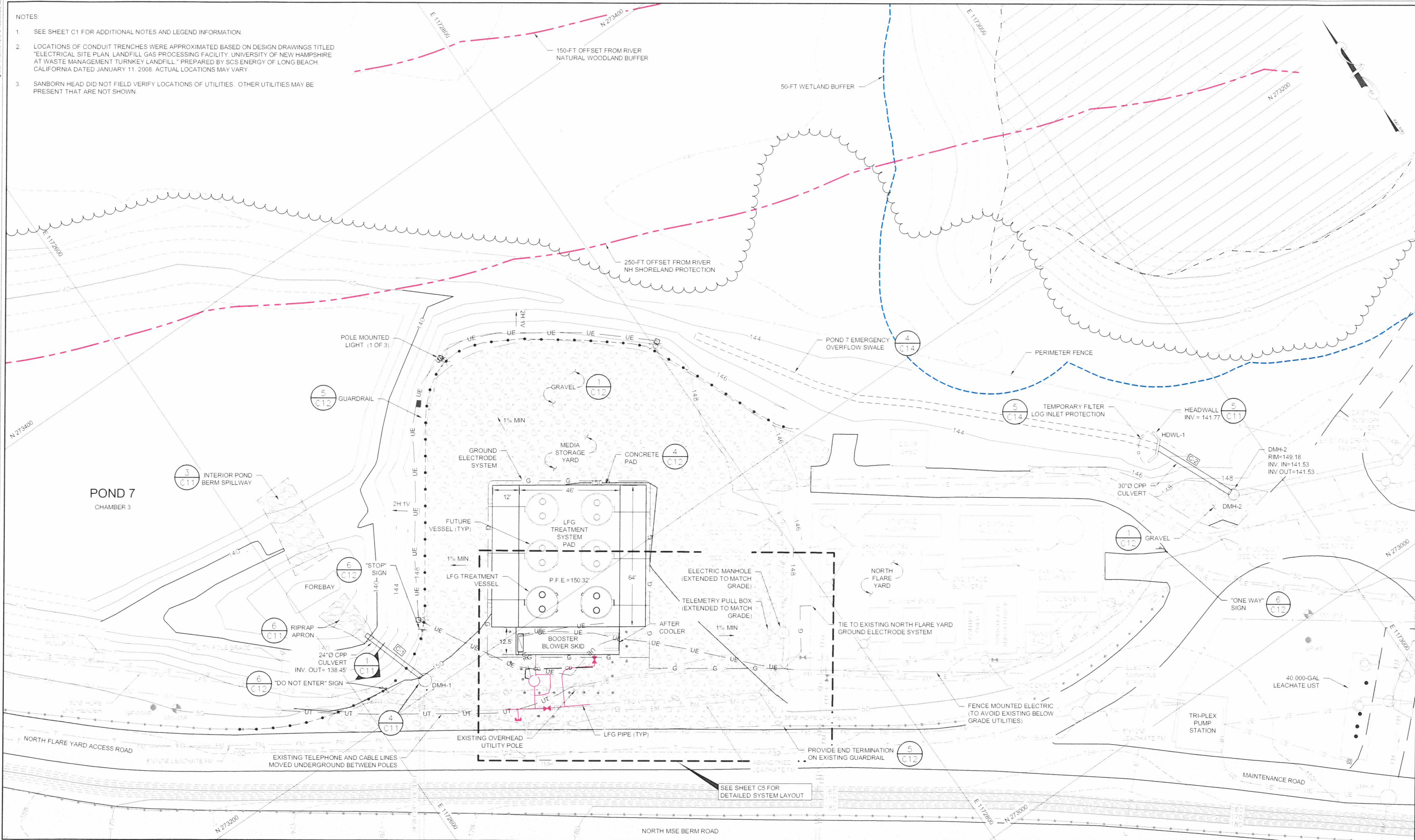
**NORTH AREA
EXISTING CONDITIONS PLAN**

PROJECT NUMBER:
4413.01

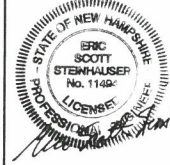
SHEET NUMBER:
C3 OF C14

NOTES:

1. SEE SHEET C1 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. SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.



SANBORN HEAD



NO.	DATE	DESCRIPTION	BY

DRAWN BY: S. SANTIAGO
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

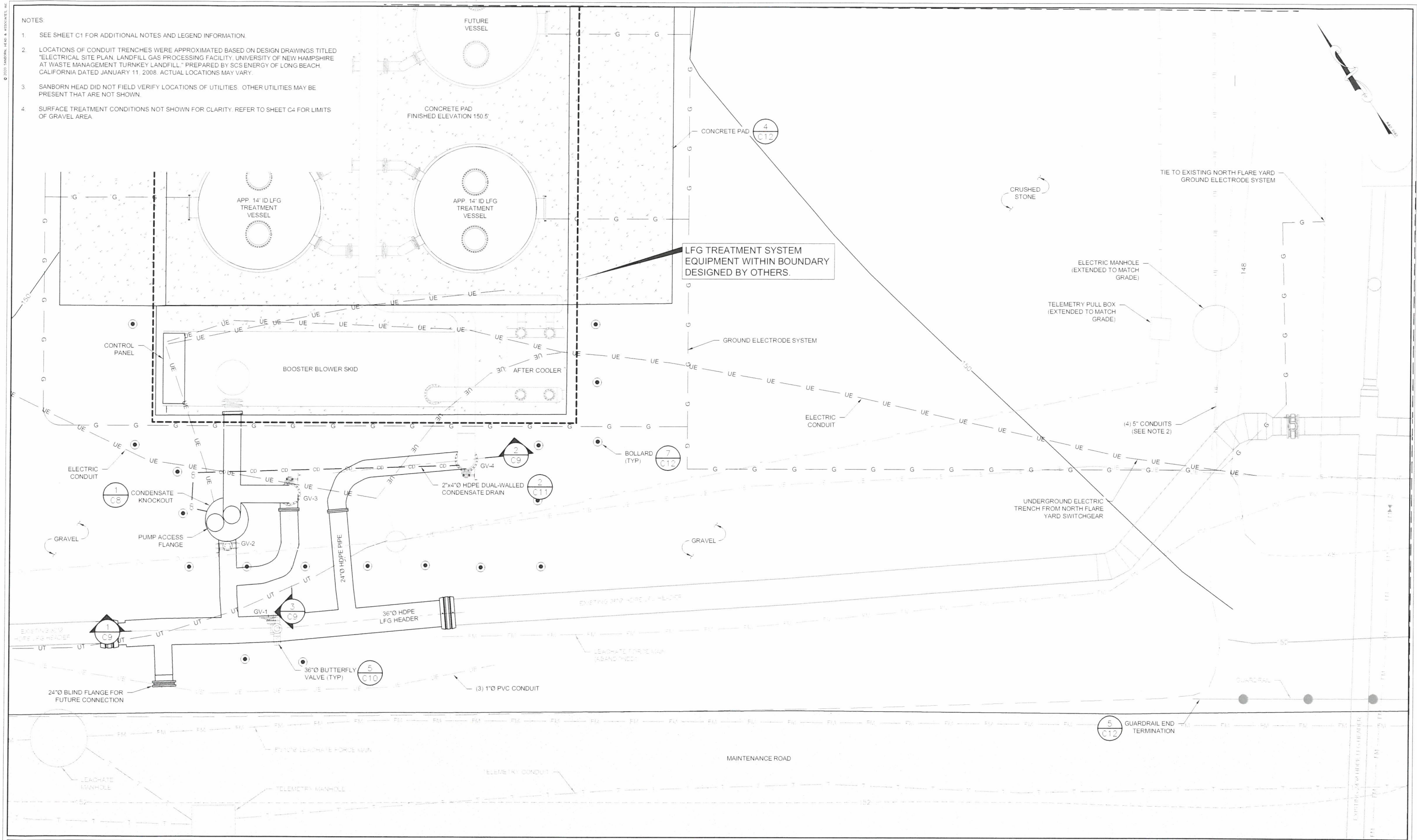
RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

NORTH AREA SITE PLAN

PROJECT NUMBER:
4413.01
SHEET NUMBER:
C4 OF C14

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- NOTES
1. SEE SHEET C1 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 SGS ENERGY OF LONG BEACH, CALIFORNIA DATED JANUARY 11, 2008. ACTUAL LOCATIONS MAY VARY.
 3. SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
 4. SURFACE TREATMENT CONDITIONS NOT SHOWN FOR CLARITY. REFER TO SHEET C4 FOR LIMITS OF GRAVEL AREA.



GRAPHICAL SCALE

5' 3' 0' 5' 10'

NO.	DATE	DESCRIPTION	BY

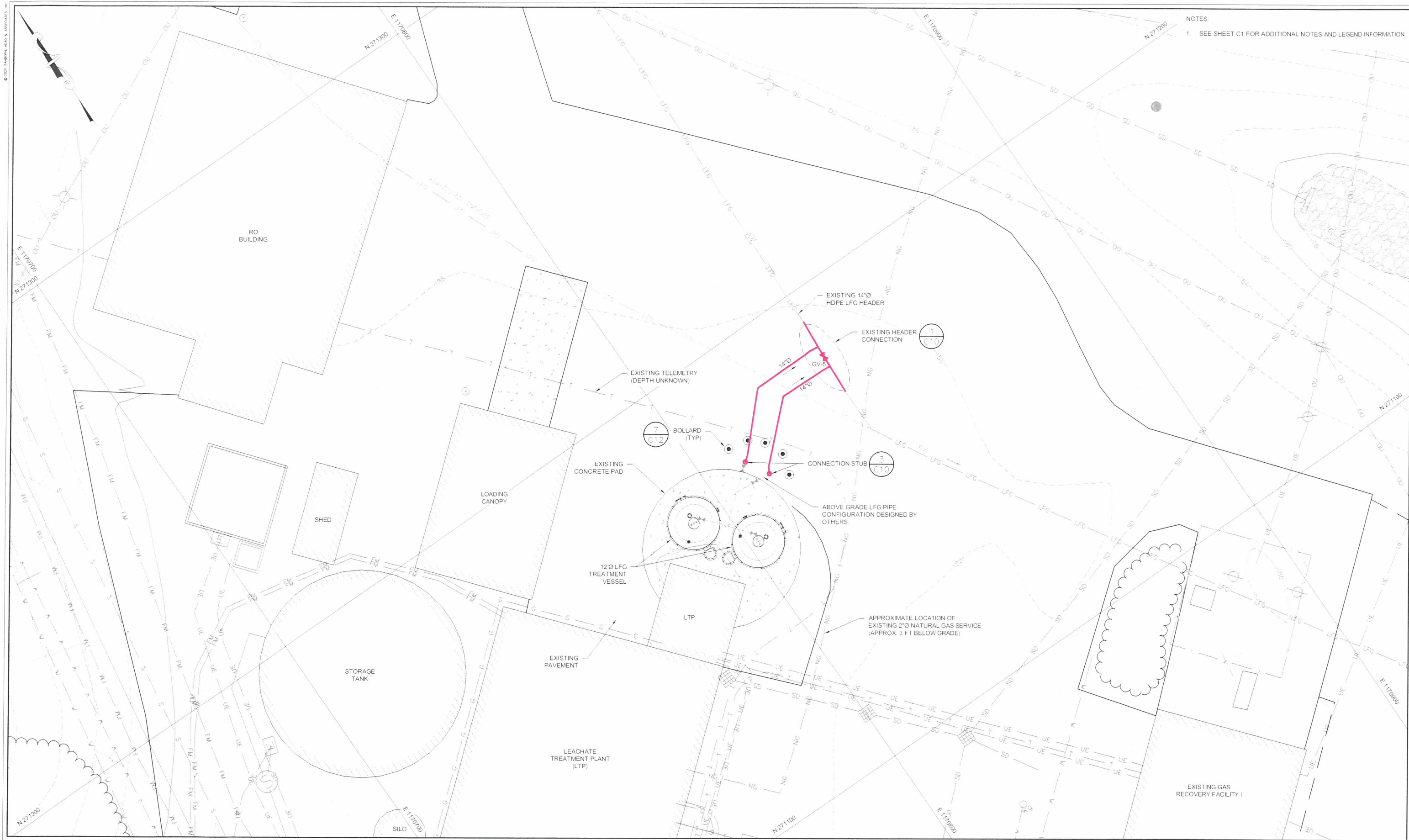
DRAWN BY: S. SANTIAGO
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

**LFG SUPPLEMENTAL
TREATMENT SYSTEM PLAN**

PROJECT NUMBER
4413.01

SHEET NUMBER
C5 OF C14



NOTES
1. SEE SHEET C1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION

GRAPHICAL SCALE
10' 5' 0' 10' 20'

NO.	DATE	DESCRIPTION	BY

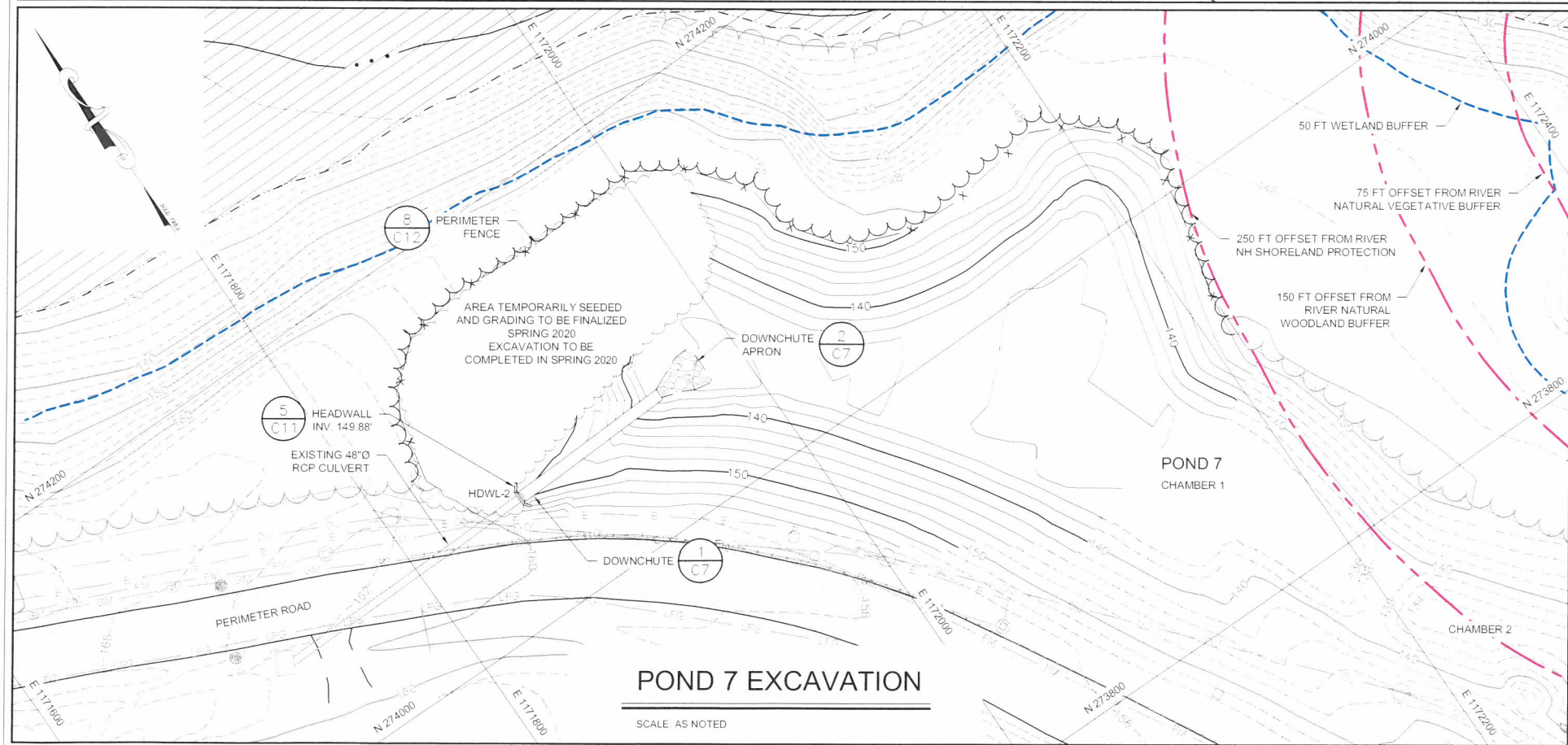
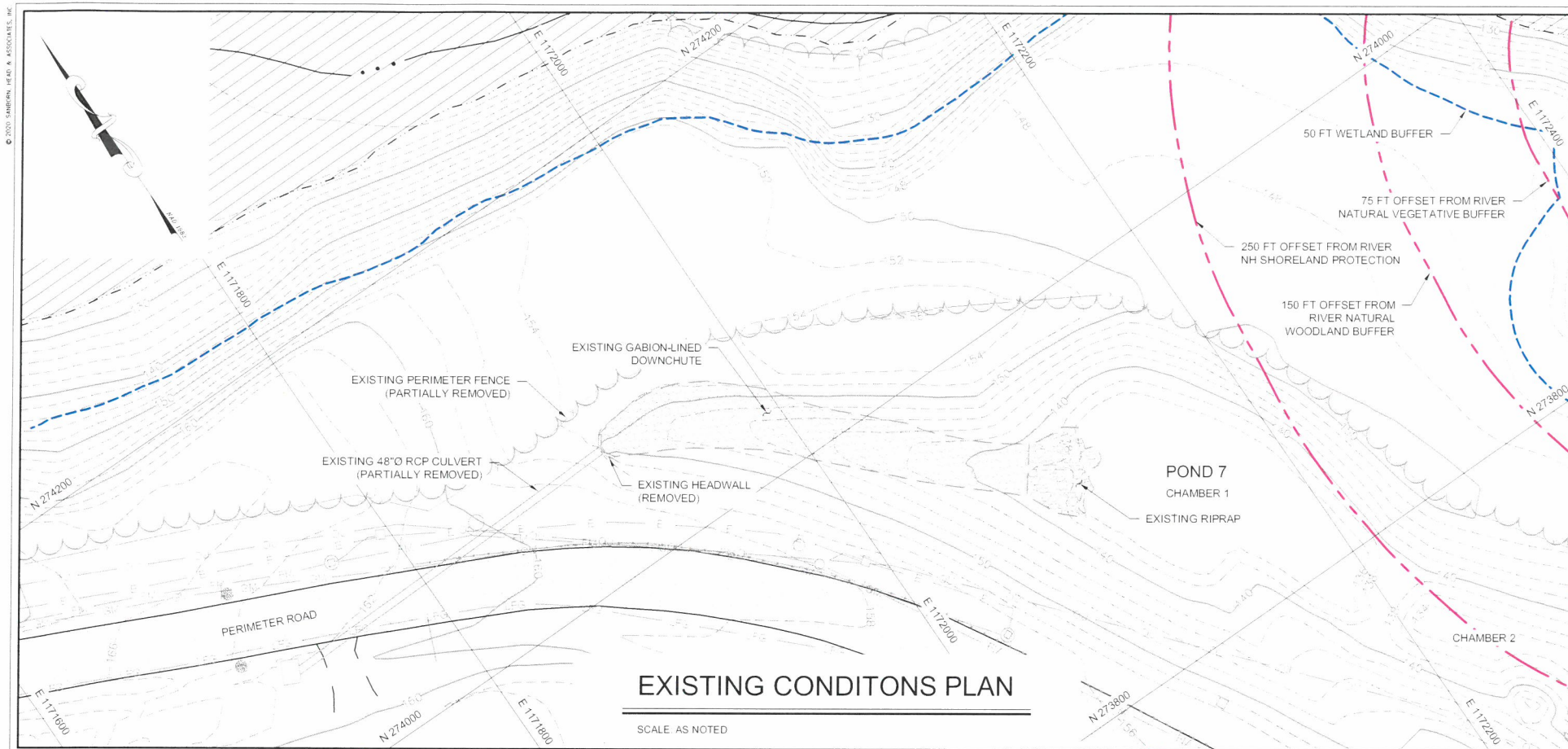
DRAWN BY: S. SANTIAGO
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

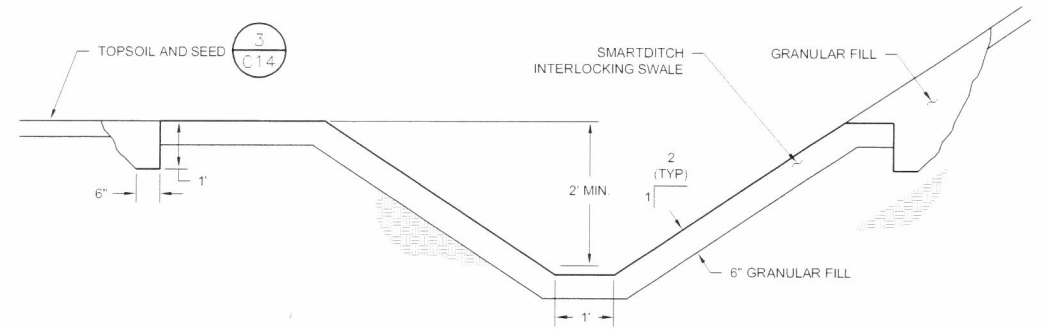
SOUTH AREA SITE PLAN

PROJECT NUMBER
4413.01

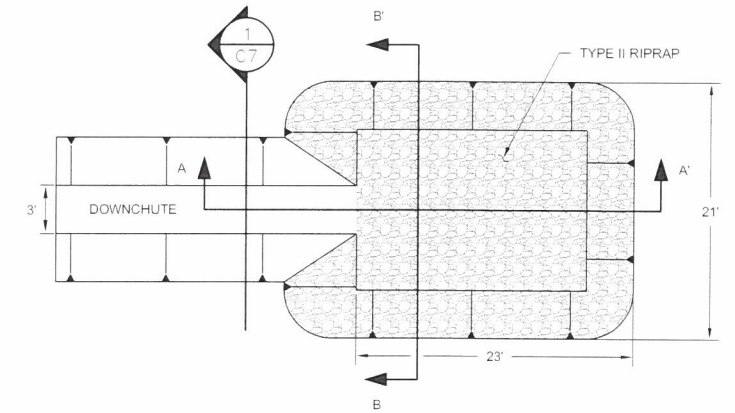
SHEET NUMBER
C6 OF C14



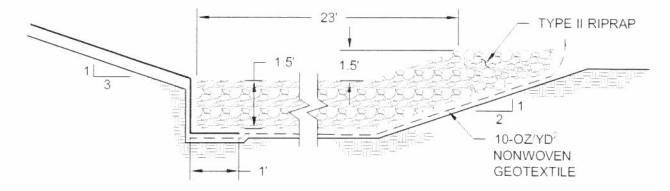
- NOTES:
- SEE SHEET C1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION
 - SANBORN HEAD DID NOT FIELD VERIFY LOCATIONS OF UTILITIES. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN



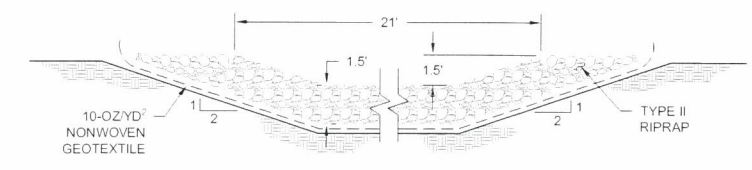
1 DOWNCHUTE
NOT TO SCALE



PLAN VIEW



SECTION A-A'



SECTION B-B'

2 DOWNCHUTE APRON
NOT TO SCALE

GRAPHICAL SCALE

40' 20' 0' 40' 80'

NO.	DATE	DESCRIPTION	BY

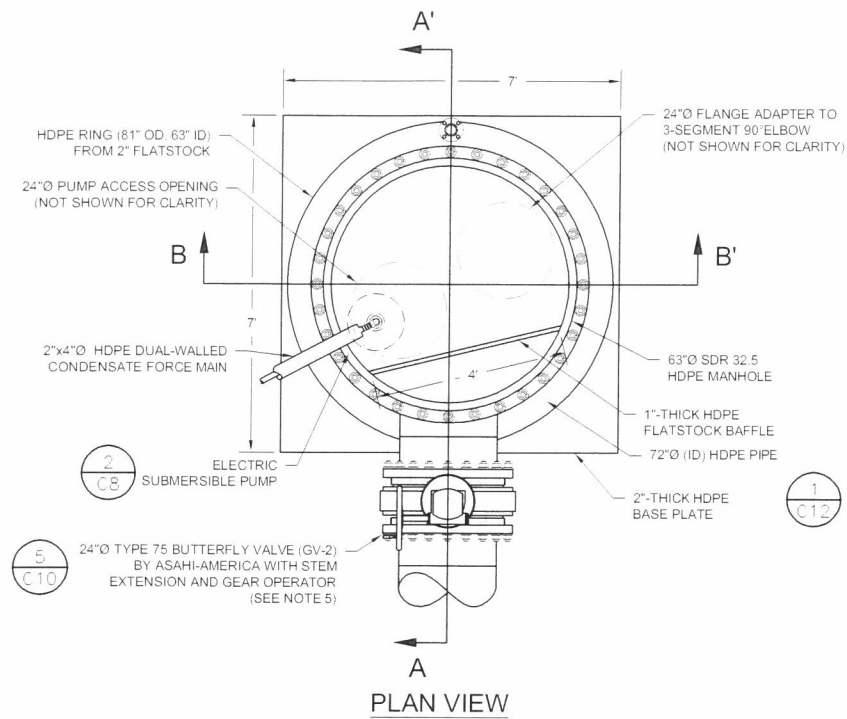
DRAWN BY: S. SANTIAGO
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

POND 7 EXCAVATION PLAN AND DETAILS

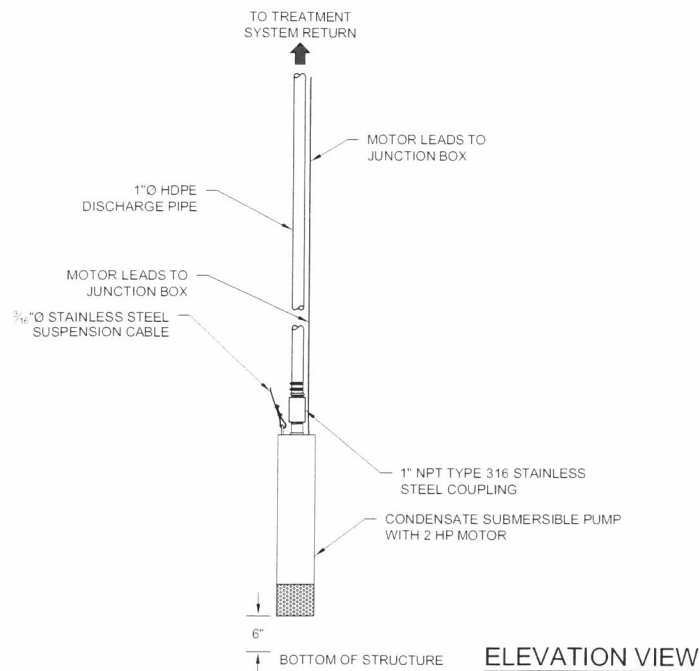
PROJECT NUMBER:
4413.01

SHEET NUMBER:
C7 OF C14



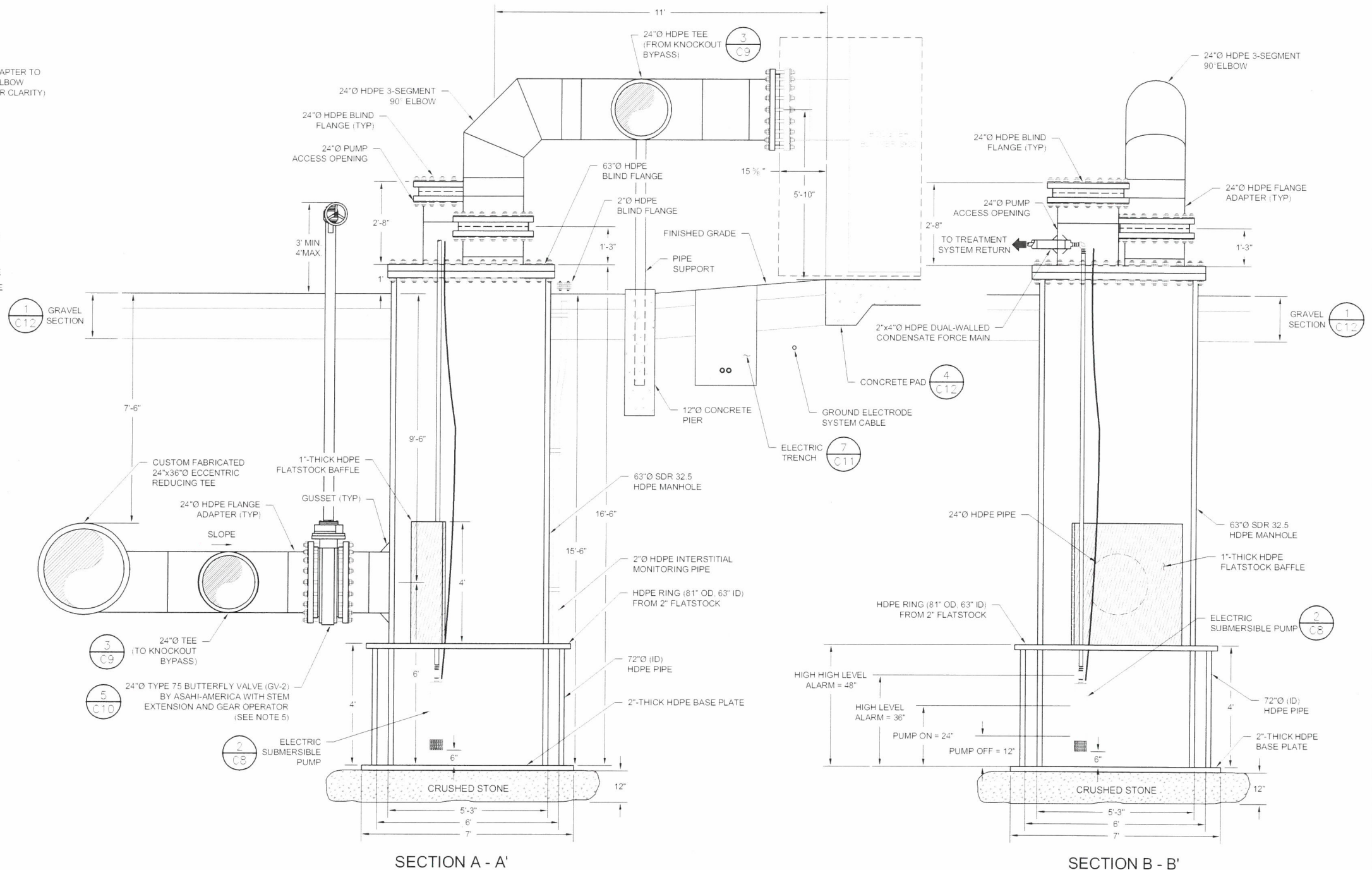
CONDENSATE KNOCKOUT

NOT TO SCALE (NORTH AREA)



ELECTRIC SUBMERSIBLE PUMP

NOT TO SCALE

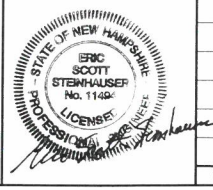


NOTES

- REFER TO PREVIOUS SHEETS FOR ADDITIONAL NOTES.
- CONDENSATE KNOCKOUT HAS AN OSHA APPROVED CONFINED SPACE SIGN ATTACHED TO THE TOP OF THE COVER, THAT READS "DANGER CONFINED SPACE, HAZARDOUS ATMOSPHERE, ENTER BY PERMIT ONLY."
- CONTRACTOR INSTALLED ALL PUMP CONTROLS, ASSOCIATED CONTROL WIRING, AND ELECTRICAL POWER NEEDED TO OPERATE PUMP AND PROVIDE NECESSARY ALARMS.
- CONDENSATE KNOCKOUT IS A CLASS 1 DIVISION 1 GROUP D CLASSIFIED SPACE WITH EXPLOSION-PROOF OR INTRINSICALLY-SAFE ELECTRICAL EQUIPMENT AND CONDUIT SEALS ON ALL ELECTRICAL CONDUIT.
- BELOW GRADE BOLTS AND FLANGES COVERED WITH A 6-MIL THICK POLYETHYLENE WRAP.
- PUMP TO BE LIFTED AND LOWERED BY SUSPENSION CABLE ONLY. SUFFICIENT SLACK LEFT IN MOTOR LEADS AND DISCHARGE HOSE TO PREVENT STRAIN IN THESE LINES.

SANBORN HEAD

SCALE: AS NOTED

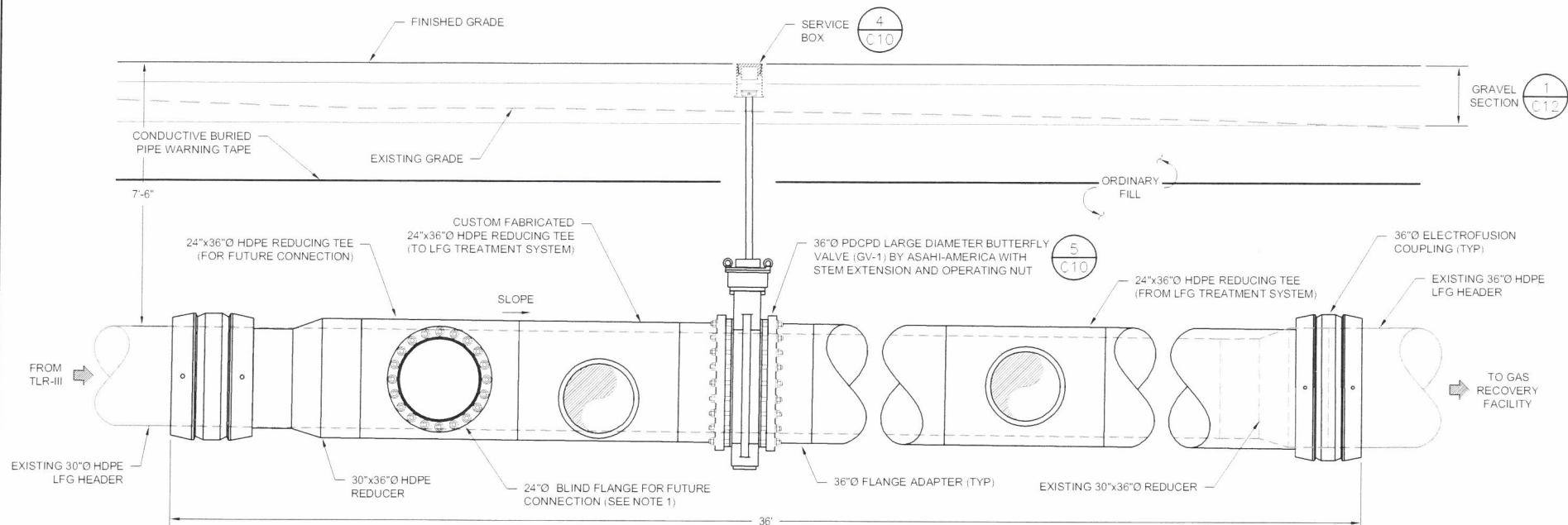


DRAWN BY: D. DOMBROWSKY
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

CONDENSATE KNOCKOUT DETAILS

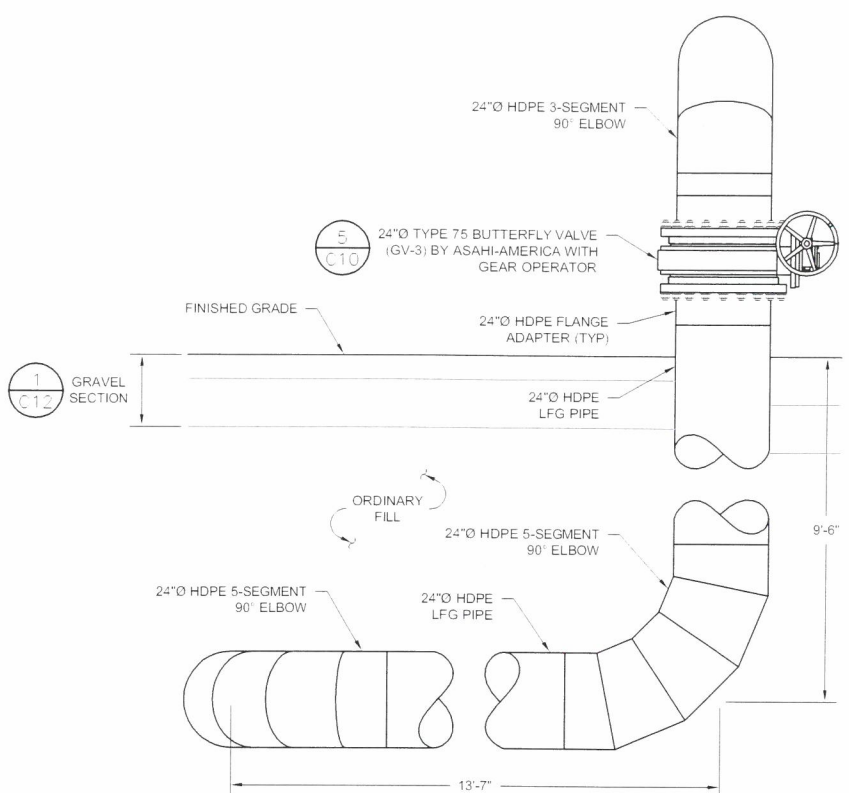
PROJECT NUMBER:
4413.01
SHEET NUMBER:
C8 OF C14



ELEVATION VIEW

EXISTING HEADER TIE-IN

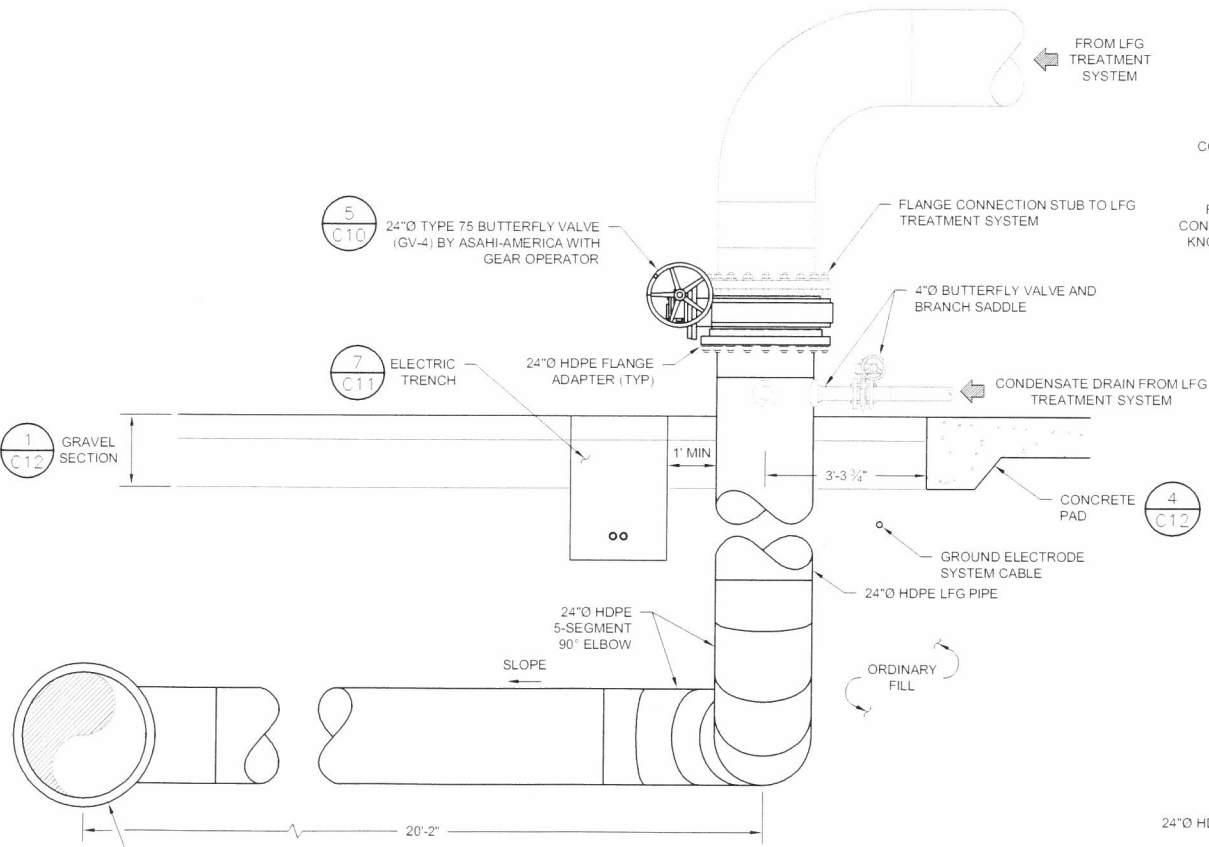
1 NOT TO SCALE (NORTH AREA)



ELEVATION VIEW

CONDENSATE KNOCKOUT BYPASS

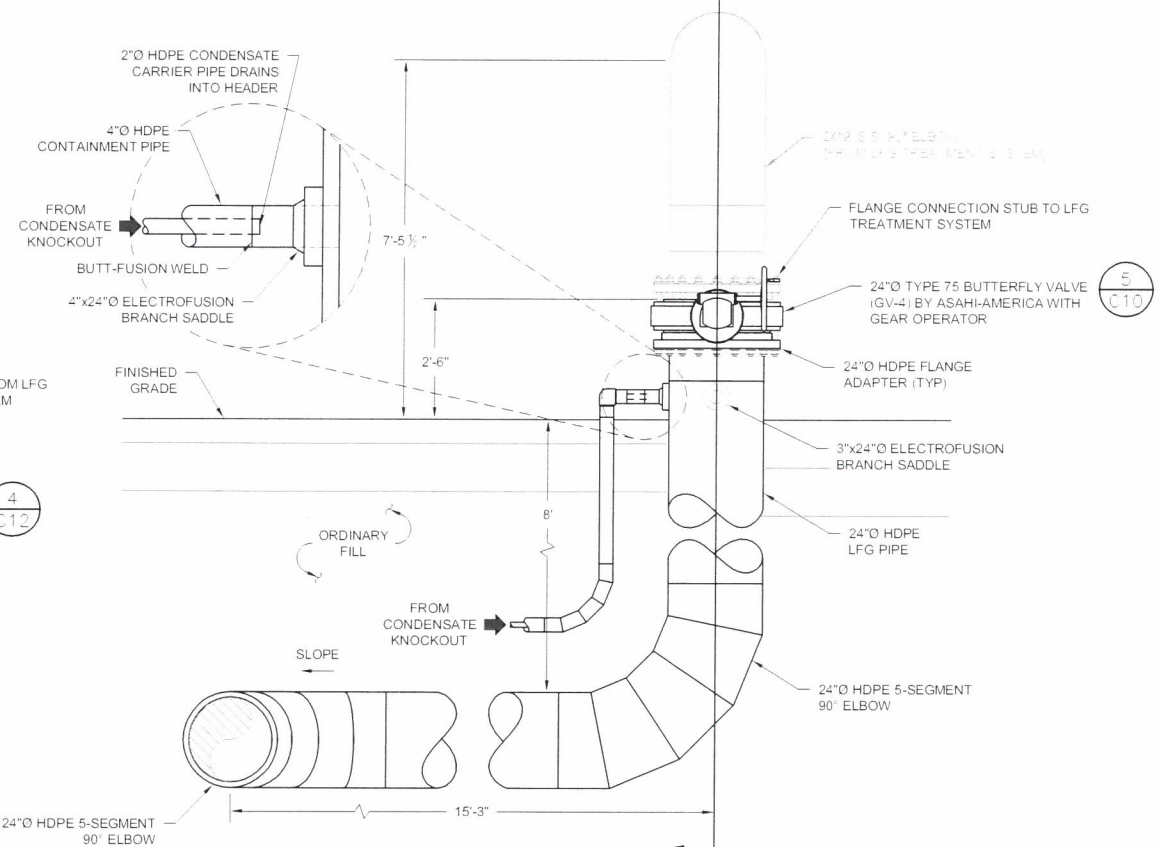
3 NOT TO SCALE (NORTH AREA)



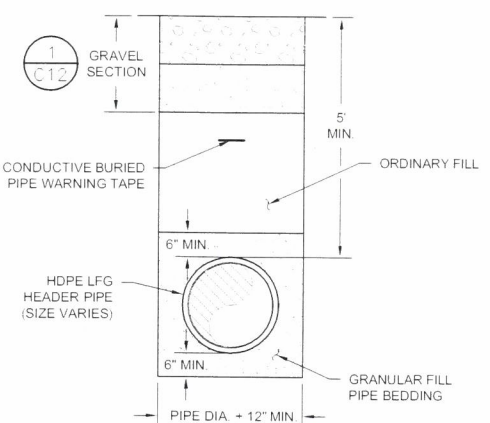
SECTION C - C'

TREATMENT SYSTEM RETURN

2 NOT TO SCALE (NORTH AREA)



ELEVATION VIEW



LFG PIPE TRENCH

4 NOT TO SCALE (NORTH AREA)

SANBORN HEAD

SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY

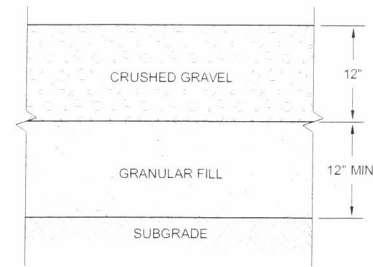
DRAWN BY: D. DOMBROWSKY
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

LFG SYSTEM DETAILS

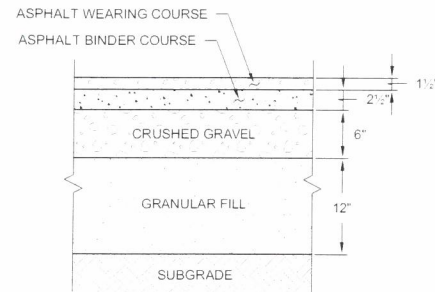
PROJECT NUMBER:
4413.01
SHEET NUMBER:
C9 OF C14

C11 OF C14



GRAVEL SECTION

1
NOT TO SCALE



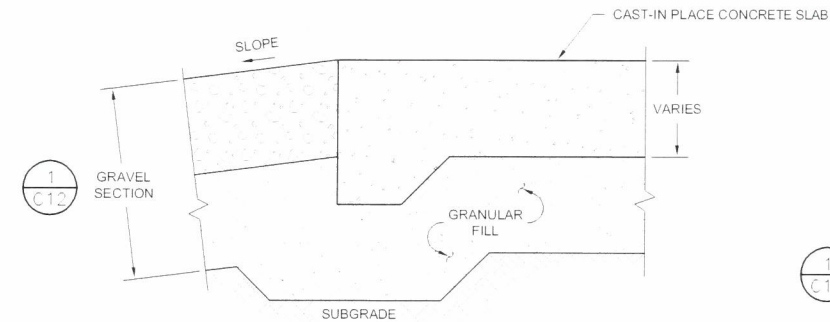
PAVEMENT SECTION

2
NOT TO SCALE

NOT USED

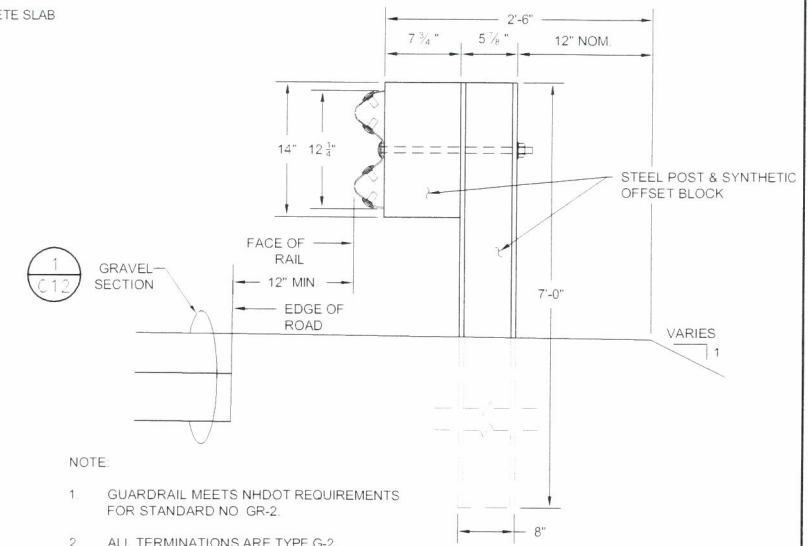
CRUSHED STONE SECTION

3
NOT TO SCALE



CONCRETE PAD

4
NOT TO SCALE

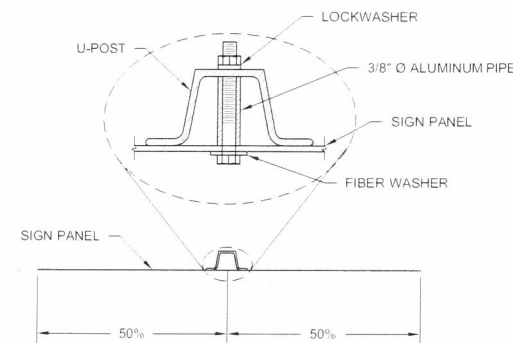


NOTE:

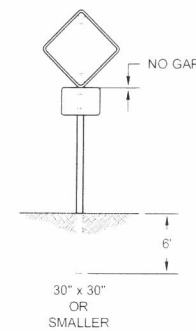
1. GUARDRAIL MEETS NHDOT REQUIREMENTS FOR STANDARD NO. GR-2.
2. ALL TERMINATIONS ARE TYPE G-2.

GUARDRAIL

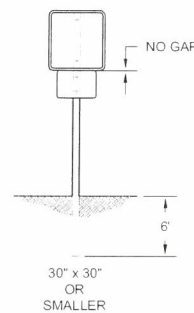
5
NOT TO SCALE



STEEL U-POST SPACING



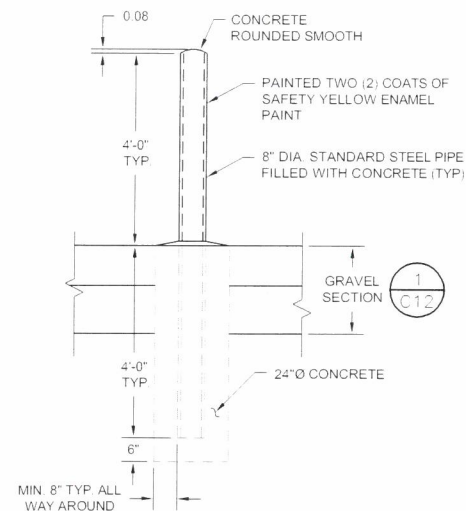
SIGN VERTICAL DIMENSION



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
R-5-1	1	30	30	DO NOT ENTER	4D	—	5	1
R6-1R	1	36	12	ONE WAY	4D	—	6	1

SIGNAGE

6
NOT TO SCALE

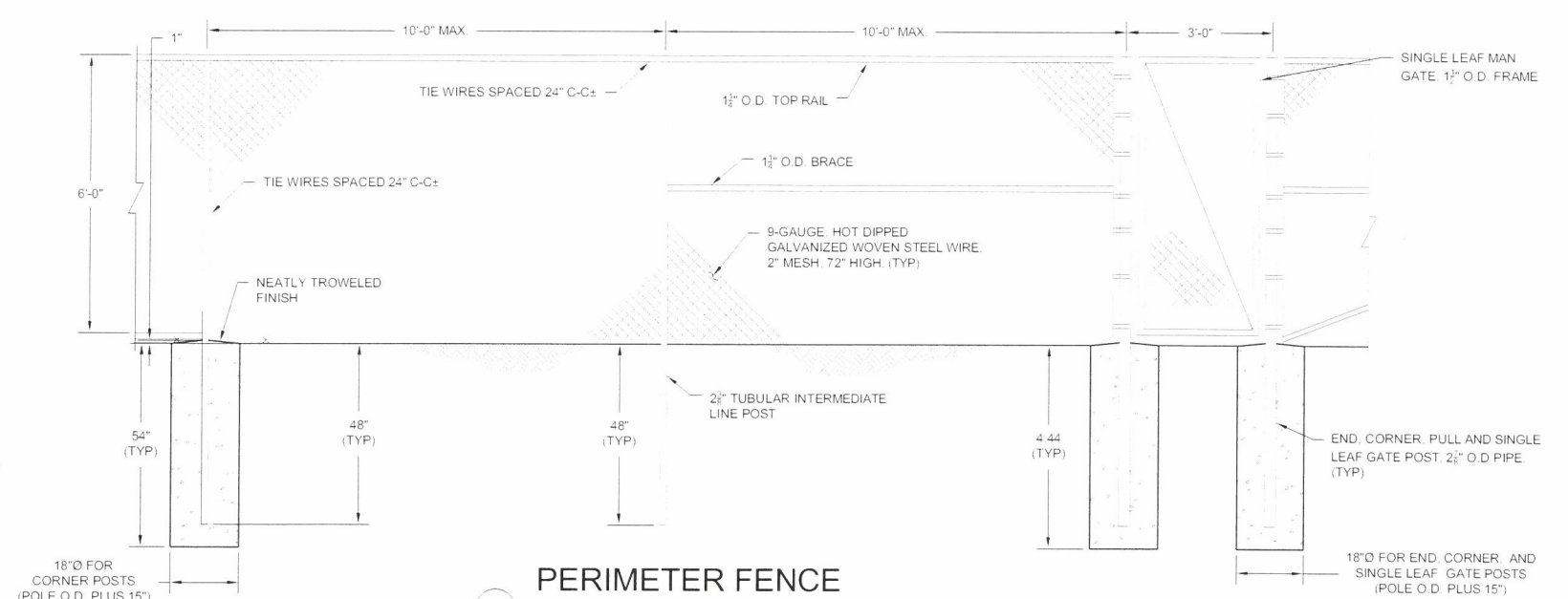


BOLLARD

7
NOT TO SCALE

NOTES:

1. THE CONTRACTOR SALVAGED AND REUSED EXISTING DRIVEN POSTS, FABRICATED RAILS AND PROVIDED NEW FENCING MATERIAL AS REQUIRED TO CONSTRUCT FENCING AS SHOWN ON THE DRAWINGS.
2. ALL CORNER AND INTERMEDIATE BRACES OR PULL POSTS HAVE TWO BRACES.
3. GATES INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
4. CORNER POSTS AND GATE POSTS SET IN CONCRETE AS SHOWN.



PERIMETER FENCE

8
NOT TO SCALE

SANBORN HEAD

SCALE: AS NOTED



DRAWN BY: D. DOMBROWSKY
DESIGNED BY: A. MATTHEWS
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: A. MATTHEWS
PIC: E. STEINHAUSER
DATE: FEBRUARY 2020

RECORD DRAWINGS
LFG SUPPLEMENTAL TREATMENT SYSTEMS
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC
ROCHESTER, NEW HAMPSHIRE

SITE AND ROADWAY DETAILS

PROJECT NUMBER

4413.01

SHEET NUMBER

C12 OF C14

C14 OF C14