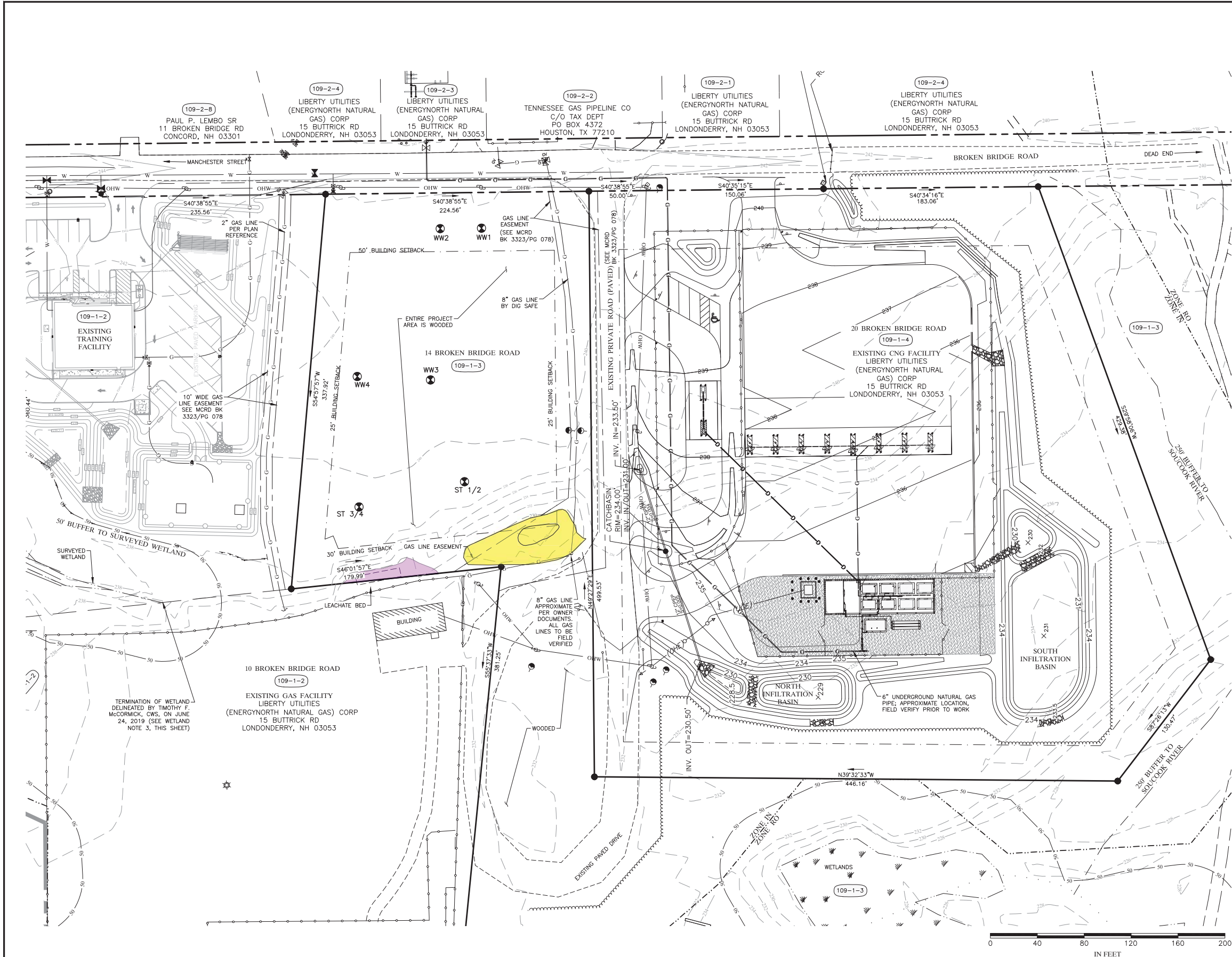


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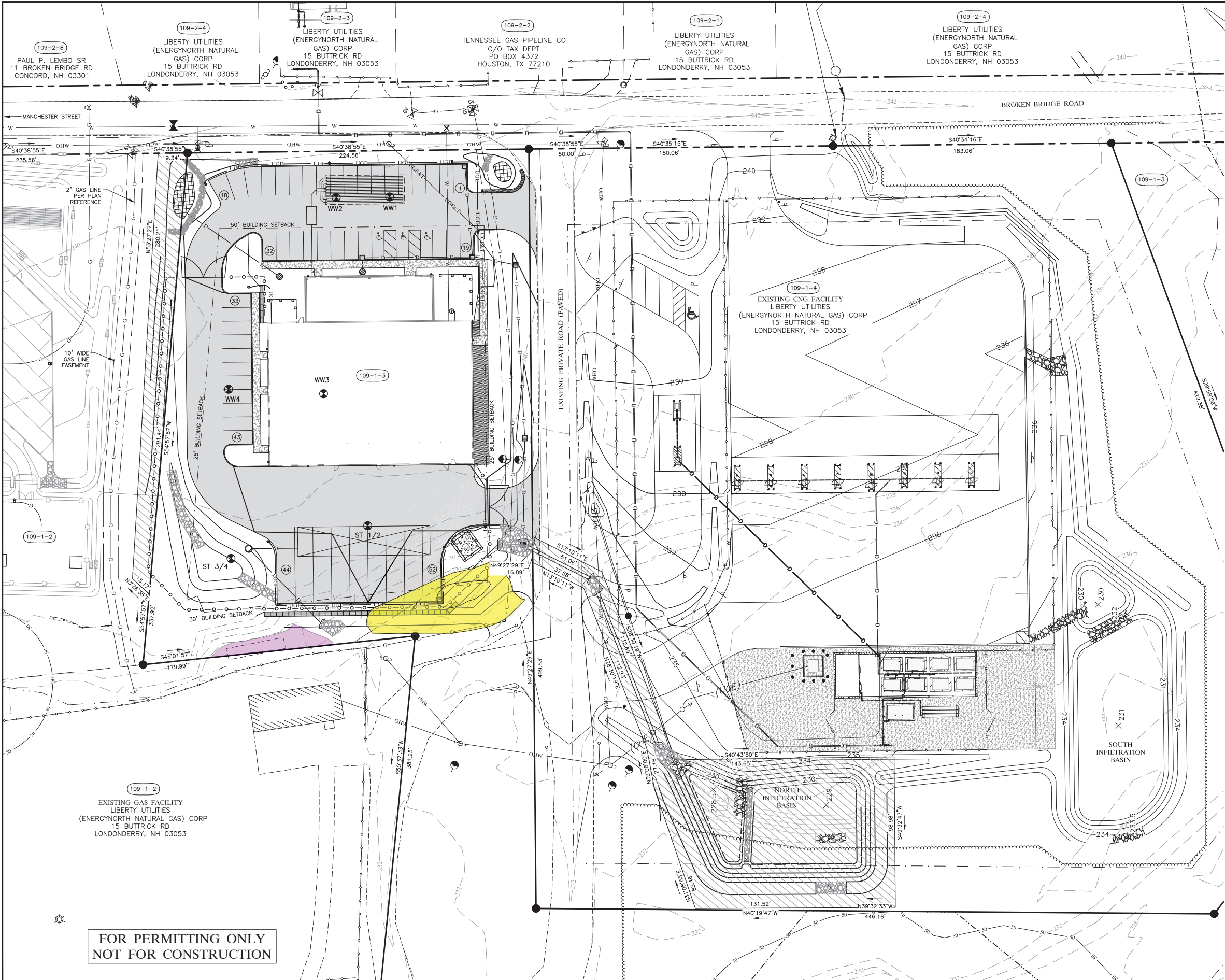
- UTILITY/SUPPORT POLE/GUY WIRE
- GRAVEL ROAD
- EXISTING CONTOUR
- BOUNDARY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING SET-BACK LINE
- OVERHEAD UTILITY WIRE
- GAS LINE
- WETLAND
- 50-FOOT WETLAND BUFFER
- TAX MAP--LOT NO.
- TAX MAP--BLOCK--LOT NO.
- TEST PIT LOCATION
(REFER TO WASTEWATER DISPOSAL DESIGN PLANS (DWGS S-1 & S-2) AND STORMWATER MANAGEMENT REPORT FOR DATA)
- SSSM SOILS LEGEND
- HSG B
- UNDETERMINED
- *HYDROLOGIC SOIL GROUP "B" SOIL PER SITE SPECIFIC SOIL MAPPING BY TIMOTHY F. MCCORMICK. ALL OTHER AREAS ARE MAPPED AS HSG "A". REFER TO SHEET SSSM-1 FOR DETAILED MAPPING.



- WETLAND NOTES:
- PROPOSED PROJECT SITE AREA WAS INVESTIGATED FOR WETLANDS BY TIMOTHY F. MCCORMICK, CWS, ON JUNE 24, 2019. NO WETLANDS WERE DELINEATED WITHIN THAT AREA.
 - WETLANDS ON THE REMAINDER OF LOT 109-1-3 AND ON LOT 109-1-2 WERE DELINEATED BY MICHAEL A. LAMBERT, CWS AND WERE SHOWN ON A MAP PREPARED BY JPS & ASSOCIATES DATED JUNE 14, 2014.
 - THE TERMINATION OF A WETLAND LOCATED ON LOT 109-1-3 AND PREVIOUSLY DELINEATED BY MICHAEL A. LAMBERT, CWS, WAS RE-EVALUATED BY TIMOTHY F. MCCORMICK, CWS ON JUNE 24, 2019, AS NOTED ON THIS PLAN.

FOR PERMITTING ONLY
NOT FOR CONSTRUCTION

						EXISTING CONDITIONS PLAN FOR LIBERTY UTILITIES FACILITIES AND TESTING LAB 14 BROKEN BRIDGE ROAD, CONCORD, NEW HAMPSHIRE	LAUER ARCHITECTS, P.A. 118 PAIGE HILL ROAD GOFFSTOWN, NEW HAMPSHIRE 03045 (603) 497-8441	PATHWAYS CONSULTING, LLC 240 MECHANIC STREET, SUITE 100 LEBANON, NEW HAMPSHIRE 03766 (603) 448-2200	SCALE: AS SHOWN	E-1
									DESIGNED BY: AGK	
									DRAWN BY: DPM	
									CHECKED BY:	
									DATE: 07-16-19	
REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY				PROJ. NO. 12869	SHEET 3 OF 30



SITE INFORMATION CHART		
BASE DISTRICT: IN (INDUSTRIAL)		
CATEGORY	REQUIRED	PROVIDED
MIN. LOT SIZE	40,000 SQ. FT. (0.9 ACRES)	84.5 ACRES
MINIMUM BUILDABLE LAND	20,000 SQ. FT. (0.6 ACRES)	> 1 ACRE
MINIMUM FRONTAGE	200 FEET	> 225 FEET
SETBACKS:		
FRONT	50 FEET	81 FEET
REAR	30 FEET	107 FEET
SIDE	25 FEET	38 FEET
MAXIMUM LOT COVERAGE	85%	0.4%
MAXIMUM BUILDING HEIGHT	45 FEET	21 FEET±

SITE PARKING INFORMATION CHART				
BUILDING USES	AREA (SQ. FT.)	OFF STREET PARKING SPACES		
		REQUIRED		PROVIDED
OFFICE	2,550	1/300 SQ. FT.	8.5 SPACES	23 SPACES
FLEX (OFFICE OR WAREHOUSE)	4,774	1/400 SQ. FT.	11.9 SPACES	20 SPACES
WAREHOUSE A	3,586	1/1500 SQ. FT.	2.4 SPACES	4 SPACES
WAREHOUSE B	4,465	1/1500 SQ. FT.	3.0 SPACES	5 SPACES
TOTAL	15,375		30 SPACES	52 SPACES
HANDICAP SPACES (INCLUDED IN TOTAL)			3 SPACES	3 SPACES

LEGEND - EXISTING:

UTILITY/SUPPORT POLE/GUY WIRE

GRAVEL ROAD

EXISTING CONTOUR

BOUNDARY LINE

RIGHT-OF-WAY

EASEMENT LINE

BUILDING SET-BACK LINE

OVERHEAD UTILITY WIRE

GAS LINE

WETLAND

50-FOOT WETLAND BUFFER

TAX MAP-LOT NO.

TAX MAP-BLOCK-LOT NO.

TEST PIT LOCATION
(REFER TO WASTEWATER DISPOSAL DESIGN PLANS (DWGS S-1 & S-2) AND STORMWATER MANAGEMENT REPORT FOR DATA)

612-644

109-1-2

NAME

LEGEND - PROPOSED:

CATCH BASIN (NO SUMP)

YARD DRAIN

GRADE SLOPE

SPOT ELEVATION

CONTOUR

SANITARY PIPE

DRAINAGE PIPE

WATER LINE, CORPORATION, & GATE VALVE

UNDERGROUND ELECTRIC, TELEPHONE, & COMMUNICATIONS CONDUIT (SIZES T.B.D.)

UNDERGROUND ELECTRIC CONDUIT (SIZES T.B.D.)

CURB

PROPOSED DRAINAGE/FENCE EASEMENT

POLE MOUNTED LIGHT

BUILDING MOUNTED LIGHT

PROPOSED WORK

PARKING COUNT

241.0 242.8

240

S

D

W

UG/EAT

UG/E

UG/E

PROPOSED WORK

52

SSSM SOILS LEGEND

HSG B

UNDETERMINED

*HYDROLOGIC SOIL GROUP "B" SOIL PER SITE SPECIFIC SOIL MAPPING BY TIMOTHY F. MCCORMICK. ALL OTHER AREAS ARE MAPPED AS HSG "A". REFER TO SHEET SSSM-1 FOR DETAILED MAPPING.



REVISION NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY

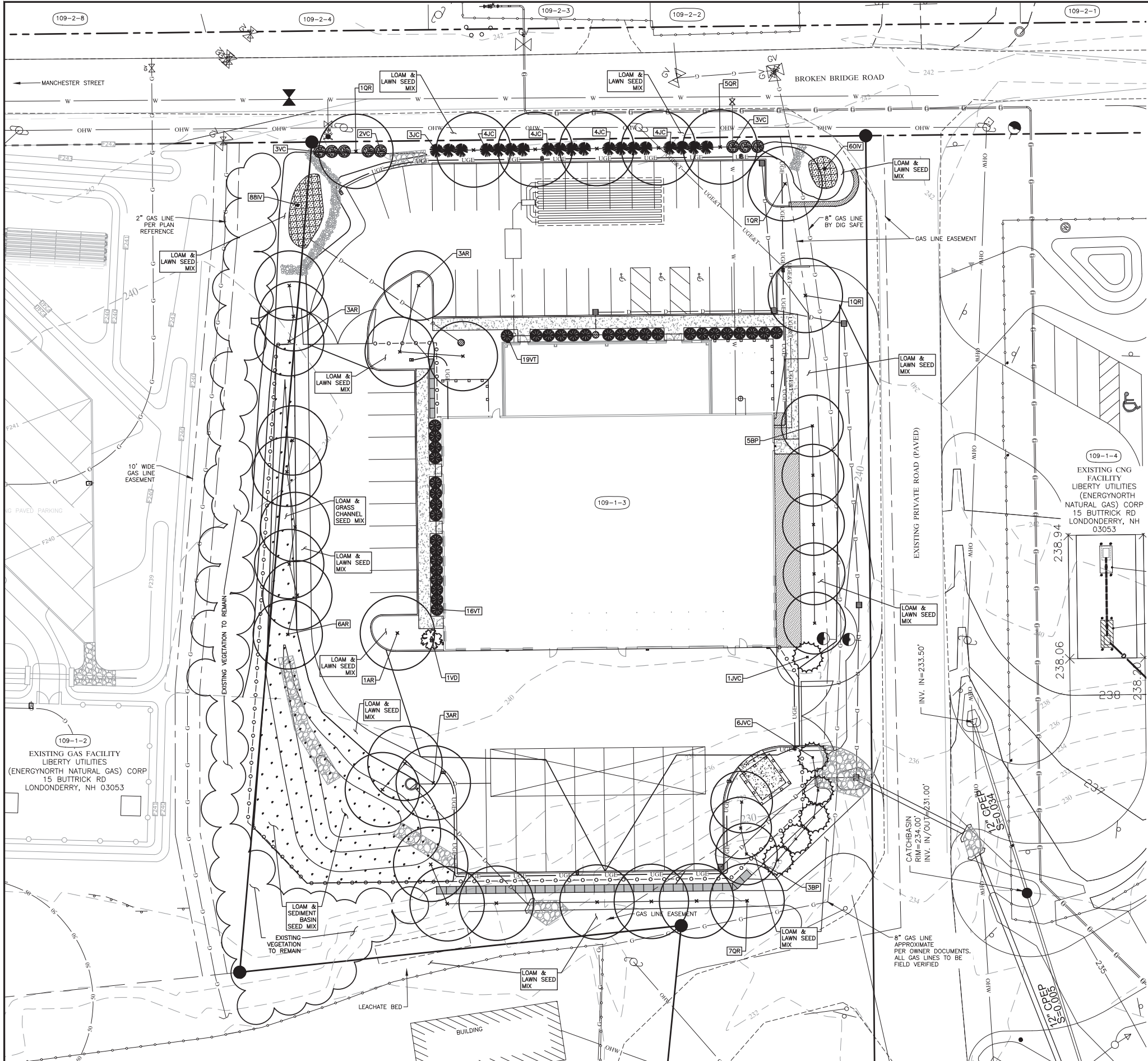
OVERALL SITE PLAN FOR
LIBERTY UTILITIES FACILITIES AND TESTING LAB
14 BROKEN BRIDGE ROAD, CONCORD, NEW HAMPSHIRE

LAUER ARCHITECTS, P.A.
118 PAIGE HILL ROAD
GOFFSTOWN, NEW HAMPSHIRE 03045
(603) 497-8441

PATHWAYS CONSULTING, LLC
240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

SCALE: AS SHOWN
DESIGNED BY: AGK
DRAWN BY: DPM
CHECKED BY:
DATE: 07-16-19
PROJ. NO. 12869

C-1
SHEET 4 OF 30



PLANT LIST						
SYMBOL	KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT
TREES						
	AR	16	Acer rubrum 'Redpointe'	REDPOINTE RED MAPLE	2 1/2' - 3' Cal.	B & B AS SHOWN
	BP	8	Betula papyrifera	PAPER BIRCH	2 1/2' - 3' Cal.	B & B AS SHOWN
	JVC	6	Juniperus virginiana 'Canaerti'	CANAERTI EASTERN RED CEDAR	7' - 8' High	B & B AS SHOWN
	QR	14	Quercus rubra	RED OAK	2 1/2' - 3' Cal.	B & B AS SHOWN
SHRUBS						
	JC	16	Juniperus chinensis 'Pfitzeriana Compacta'	COMPACT PFITZER JUNIPER	36' High	B & B AS SHOWN
	VD	1	Viburnum dentatum	ARROWWOOD VIBURNUM	5' High	B & B AS SHOWN
	VC	8	Vaccinium corymbosum	HIGHBUSH BLUEBERRY	36' High	B & B AS SHOWN
	VT	35	Viburnum trilobum 'Compacta'	COMPACT AMERICAN CRANBERRY BUSH	36' High	B & B AS SHOWN
PERENNIALS						
	IR	148	Iris versicolor	BLUE FLAG IRIS	#1	CONT. 18" O.C.

LANDSCAPE REGULATIONS
SITE PLAN REGULATIONS
SECTION 18.17 TREE PLANTINGS
1 TREE/1000 SQ. FT. OF PARKING AREA = 34,000 SQ. FT./1000 SQ. FT. = 34 TREES

LEGEND - EXISTING:

- UTILITY/SUPPORT POLE/GUY WIRE
- GRAVEL ROAD
- EXISTING CONTOUR
- BOUNDARY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING SET-BACK LINE
- OVERHEAD UTILITY WIRE
- GAS LINE
- WETLAND
- 50-FOOT WETLAND BUFFER
- TAX MAP-LOT NO.
- TAX MAP-BLOCK-LOT NO.
- TEST PIT LOCATION
(REFER TO WASTEWATER DISPOSAL DESIGN PLANS (DWGS S-1 & S-2) AND STORMWATER MANAGEMENT REPORT FOR DATA)

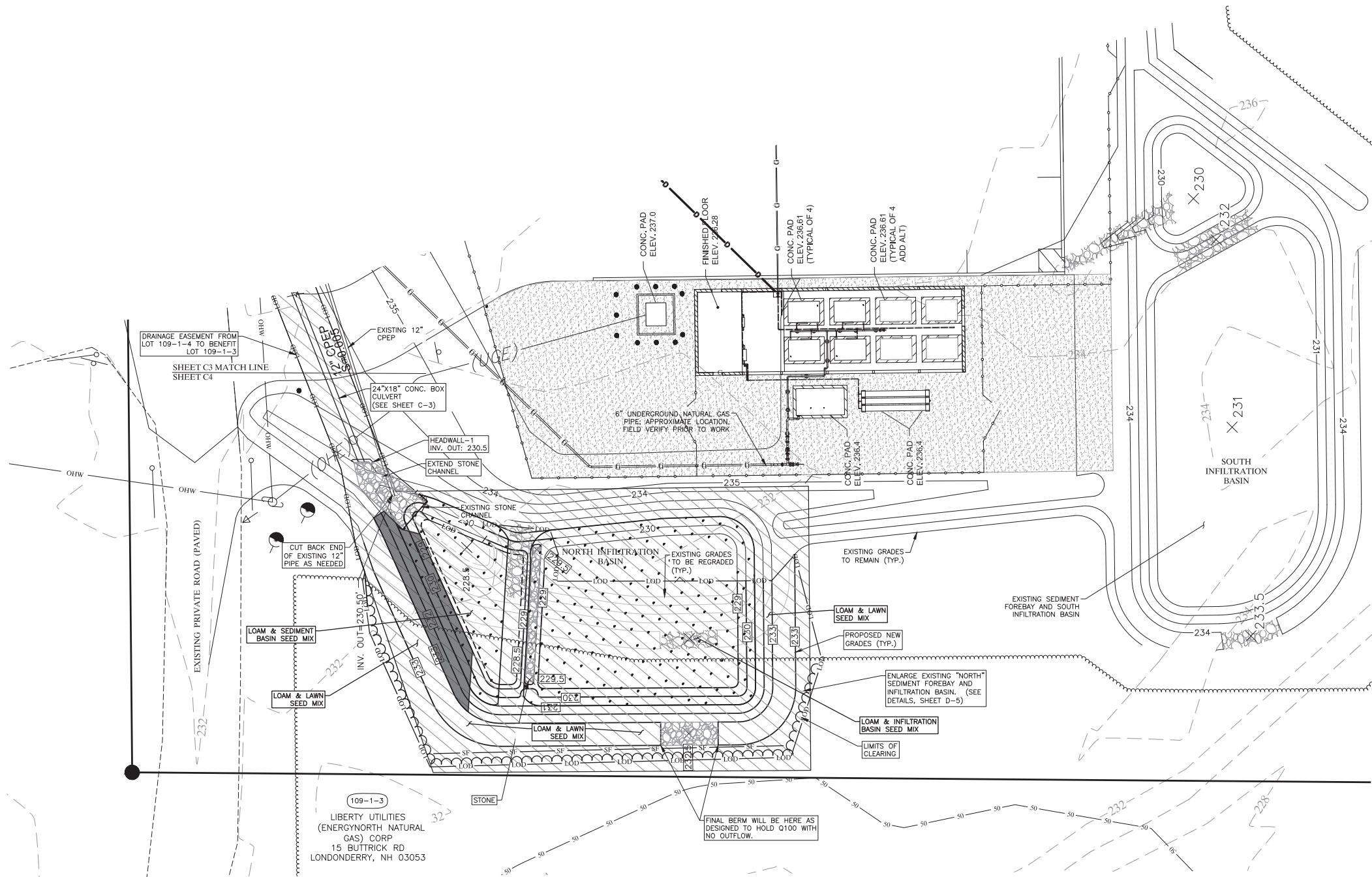
LEGEND - PROPOSED:

- CATCH BASIN (NO SUMP)
- YARD DRAIN
- GRADE SLOPE
- SPOT ELEVATION
- CONTOUR
- SANITARY PIPE
- DRAINAGE PIPE
- WATER LINE, CORPORATION, & GATE VALVE
- UNDERGROUND ELECTRIC, TELEPHONE, & COMMUNICATIONS CONDUIT (SIZES T.B.D.)
- UNDERGROUND ELECTRIC CONDUIT (SIZES T.B.D.)
- CURB
- PROPOSED DRAINAGE/FENCE EASEMENT
- POLE MOUNTED LIGHT
- BUILDING MOUNTED LIGHT
- PROPOSED WORK
- SEDIMENT BASIN, GRASS CHANNEL, OR INFILTRATION BASIN SEED MIX AS SPECIFIED ON SHEETS C-6 AND C-7 (SEE SHEET D-10 FOR SEED MIXES)

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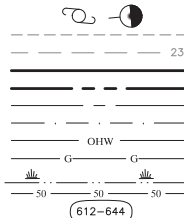
ALAN NORMAND SAUER
LANDSCAPE ARCHITECT
STATE OF NEW HAMPSHIRE
1978

0 20 40 60 80 100
IN FEET



LEGEND - EXISTING:

UTILITY/SUPPORT POLE/GUY WIRE
GRAVEL ROAD
EXISTING CONTOUR
BOUNDARY LINE
RIGHT-OF-WAY
EASEMENT LINE
BUILDING SET-BACK LINE
OVERHEAD UTILITY WIRE
GAS LINE
WETLAND
50-FOOT WETLAND BUFFER
TAX MAP--LOT NO.



TAX MAP--BLOCK--LOT NO.

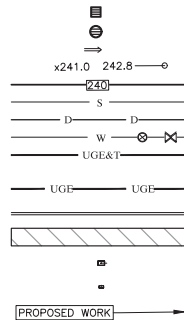
(109-1-2)

TEST PIT LOCATION
(REFER TO WASTEWATER DISPOSAL DESIGN
PLANS (DWGS S-1 & S-2) AND STORMWATER
MANAGEMENT REPORT FOR DATA)

NAME

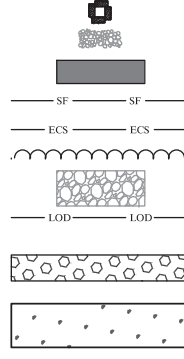
LEGEND - PROPOSED:

CATCH BASIN (NO SUMP)
YARD DRAIN
GRADE SLOPE
SPOT ELEVATION
CONTOUR
SANITARY PIPE
DRAINAGE PIPE
WATER LINE, CORPORATION, & GATE VALVE
UNDERGROUND ELECTRIC, TELEPHONE, &
COMMUNICATIONS CONDUIT (SIZES T.B.D.)
UNDERGROUND ELECTRIC CONDUIT (SIZES T.B.D.)
CURB
PROPOSED DRAINAGE/FENCE EASEMENT
POLE MOUNTED LIGHT
BUILDING MOUNTED LIGHT
PROPOSED WORK



LEGEND - EROSION AND SEDIMENT CONTROL:

BLOCK & STONE OR SILT BAG SEDIMENT FILTER
STONE CHECK DAM
EROSION CONTROL MAT
SILT FENCE
EROSION CONTROL SOCK
PROPOSED EDGE OF TREE CLEARING
EROSION STONE
LIMITS OF DISTURBANCE
CONSTRUCTION ENTRANCE
SEDIMENT BASIN, GRASS CHANNEL,
OR INFILTRATION BASIN SEED MIX AS
SPECIFIED ON SHEETS C-6 AND C-7
(SEE SHEET D-10 FOR SEED MIXES)



WILDLIFE NOTES:

1. USE OF SYNTHETIC, WELDED PLASTIC, OR "BIODEGRADABLE PLASTIC" NETTING OR THREAD IN EROSION CONTROL MATTING AND EROSION CONTROL SOCKS IS NOT ALLOWED ON THIS PROJECT.
2. "WILDLIFE FRIENDLY" EROSION CONTROL SOCKS AND EROSION CONTROL MATTING ARE TO BE USED EXCLUSIVELY ON THIS PROJECT. EXAMPLES OF SUCH PRODUCTS INCLUDE:
 - WHITE FILTREXX DEGRADABLE WOVEN SILT SOCK
 - WOVEN ORGANIC MATERIAL EROSION CONTROL MATTING (E.G. COCO OR JUTE MATTING SUCH AS NORTH AMERICAN GREEN ROLLMAX BIONET 575BN OR EQUIVALENT)

NOTES:

1. EXISTING CNG FACILITY DESIGN BY SANBORN HEAD PER DRAWING ENTITLED "MAJOR SITE PLAN REVIEW - BROKEN BRIDGE - CNG FACILITY DESIGN - LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.," DATED JULY 18, 2014, LAST REV. AUGUST 27, 2015.



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LANDSCAPE & EROSION AND SEDIMENT CONTROL AT CNG SITE PLAN FOR
LIBERTY UTILITIES FACILITIES AND TESTING LAB

14 BROKEN BRIDGE ROAD, CONCORD, NEW HAMPSHIRE

LAUER ARCHITECTS, P.A.

118 PAIGE HILL ROAD
GOFFSTOWN, NEW HAMPSHIRE 03045
(603) 497-8441

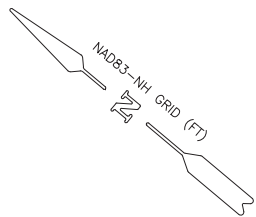
PATHWAYS CONSULTING, LLC

240 MECHANIC STREET, SUITE 100
LEBANON, NEW HAMPSHIRE 03766
(603) 448-2200

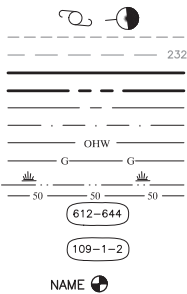
SCALE: AS SHOWN
DESIGNED BY: AGK
DRAWN BY: DPM
CHECKED BY:
DATE: 07-16-19
PROJ. NO. 12869

C-7

SHEET 10 OF 30

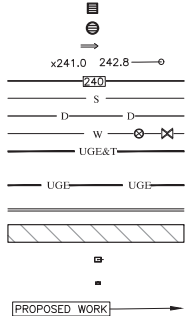


UTILITY/SUPPORT POLE/GUY WIRE
GRAVEL ROAD
EXISTING CONTOUR
BOUNDARY LINE
RIGHT-OF-WAY
EASEMENT LINE
BUILDING SET-BACK LINE
OVERHEAD UTILITY WIRE
GAS LINE
WETLAND
50-FOOT WETLAND BUFFER
TAX MAP-LOT NO.

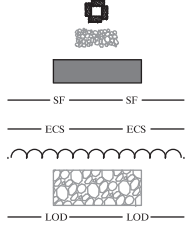


TEST PIT LOCATION
(REFER TO WASTEWATER DISPOSAL DESIGN
PLANS (DWGS S-1 & S-2) AND STORMWATER
MANAGEMENT REPORT FOR DATA)

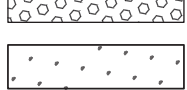
CATCH BASIN (NO SUMP)
YARD DRAIN
GRADE SLOPE
SPOT ELEVATION
CONTOUR
SANITARY PIPE
DRAINAGE PIPE
WATER LINE, CORPORATION, & GATE VALVE
UNDERGROUND ELECTRIC, TELEPHONE, &
COMMUNICATIONS CONDUIT (SIZES T.B.D.)
UNDERGROUND ELECTRIC CONDUIT (SIZES T.B.D.)



BLOCK & STONE OR SILT BAG SEDIMENT FILTER



CONSTRUCTION ENTRANCE



WILDLIFE NOTES:

- USE OF SYNTHETIC, WELDED PLASTIC, OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD IN EROSION CONTROL MATTING AND EROSION CONTROL SOCKS IS NOT ALLOWED ON THIS PROJECT.
2. "WILDLIFE FRIENDLY" EROSION CONTROL SOCKS AND EROSION CONTROL MATTING ARE TO BE USED EXCLUSIVELY ON THIS PROJECT. EXAMPLES OF SUCH PRODUCTS INCLUDE:
- WHITE FILTREXX DEGRADABLE WOVEN SILT SOCK
 - WOVEN ORGANIC MATERIAL EROSION CONTROL MATTING (E.G. COCO OR JUTE MATTING SUCH AS NORTH AMERICAN GREEN ROLLMAX BIONET 575BN OR EQUIVALENT)



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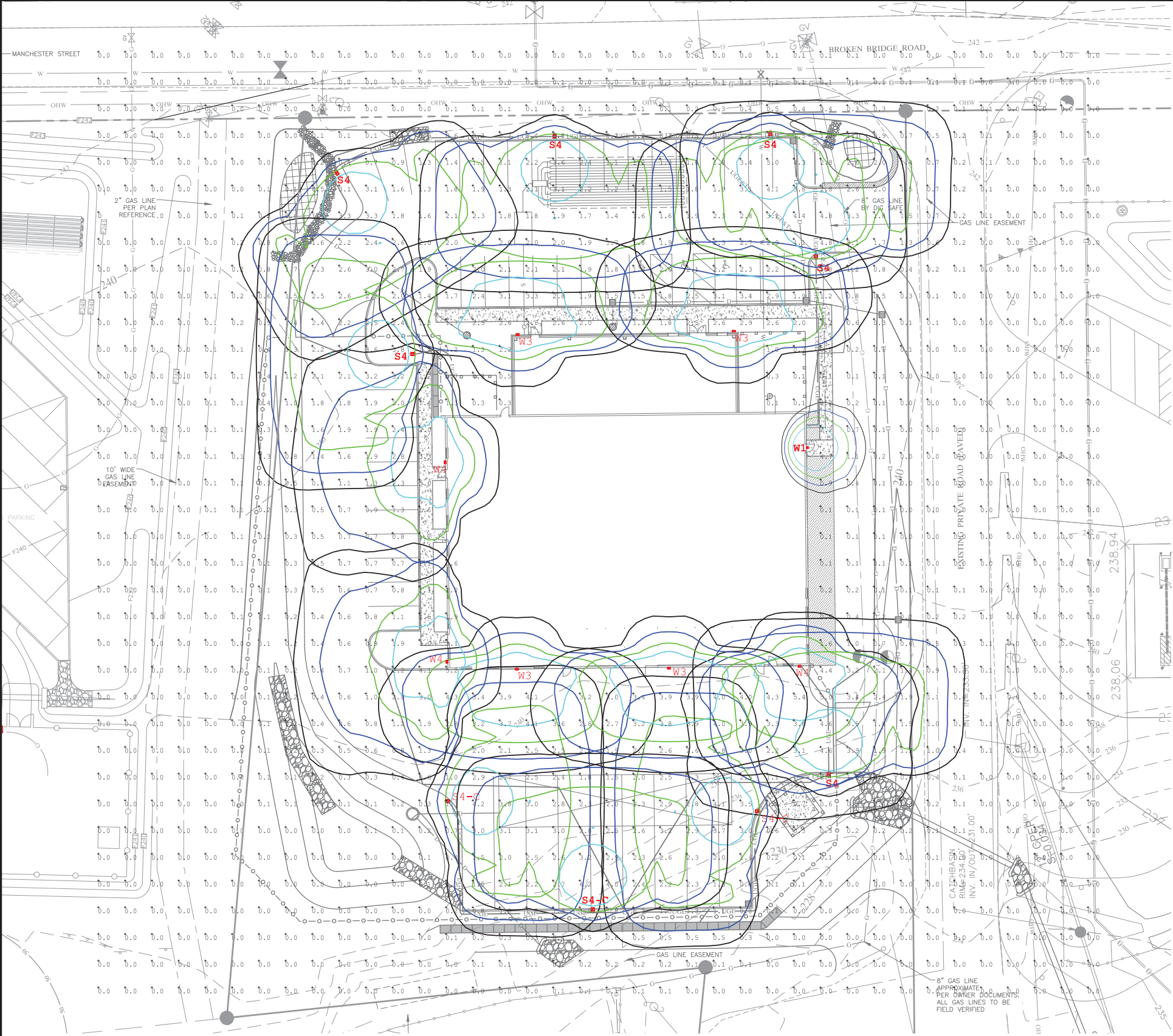
14 BROKEN BRIDGE ROAD, CONCORD, NEW HAMPSHIRE

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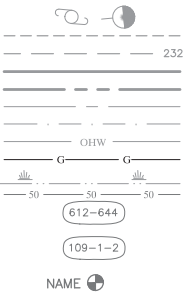
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DATE: 07-16-19
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SHEET 11 OF 30



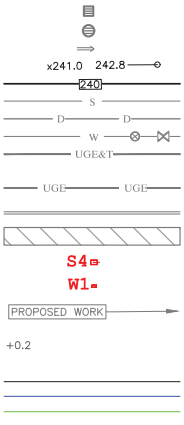
LEGEND - EXISTING:

- UTILITY/SUPPORT POLE/GUY WIRE
- GRAVEL ROAD
- EXISTING CONTOUR
- BOUNDARY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING SET-BACK LINE
- OVERHEAD UTILITY WIRE
- GAS LINE
- WETLAND
- 50-FOOT WETLAND BUFFER
- TAX MAP-LOT NO.
- TAX MAP-BLOCK-LOT NO.



LEGEND - PROPOSED:

- CATCH BASIN (NO SUMP)
- YARD DRAIN
- GRADE SLOPE
- SPOT ELEVATION
- CONTOUR
- SANITARY PIPE
- DRAINAGE PIPE
- WATER LINE, CORPORATION, & GATE VALVE
- UNDERGROUND ELECTRIC, TELEPHONE, & COMMUNICATIONS CONDUIT (SIZES T.B.D.)
- UNDERGROUND ELECTRIC CONDUIT (SIZES T.B.D.)
- CURB
- PROPOSED DRAINAGE/FENCE EASEMENT
- POLE MOUNTED LIGHT
- BUILDING MOUNTED LIGHT
- PROPOSED WORK
- APPROXIMATE ILLUMINATION VALUE (FOOT CANDLE)
- FOOT CANDLE ISOBARS



NOTES:

1. LIGHTING DESIGN AND PHOTOMETRIC PLAN WAS PREPARED AND PROVIDED BY CHARRON, INC., P.O. BOX 4550, MANCHESTER, N.H. 03108 - WWW.CHARRONINC.COM.
2. SEE LIGHTING DETAIL SHEET FOR LIGHTING FIXTURE IMAGES AND DIMENSIONS, SHEET D-8.

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
	6	S4	SINGLE	TLM-F04-LED-E1-SL4-HSS/ SSS4A18SFM1 (2' PED BY OTHERS) 20' AFG
	3	S4-C	SINGLE	TLM-F04-LED-E1-SL4-HSS-C/ SSS4A18SFM1 (2' PED BY OTHERS) 20' AFG
	1	W1	SINGLE	XTOR1B/ WALL MTD 10' AFG
	4	W3	SINGLE	ISS-AF-1000-LED-E1-T3/ WALL MTD 15' AFG
	3	W4	SINGLE	ISS-AF-1000-LED-E1-T4FT/ WALL MTD 15' AFG

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LIGHTING PLAN FOR
LIBERTY UTILITIES FACILITIES AND TESTING LAB

14 BROKEN BRIDGE ROAD, CONCORD, NEW HAMPSHIRE

LAUER ARCHITECTS, P.A.

118 PAIGE HILL ROAD
GOFFSTOWN, NEW HAMPSHIRE 03045
(603) 497-8441

PATHWAYS CONSULTING, LLC

240 MECHANIC STREET, SUITE 100
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C-9

SHEET 12 OF 30