

HILLSBOROUGH COUNTY SOUTHEAST COUNTY LANDFILL LEACHATE EVAPORATOR INSTALLATION PERMIT DRAWINGS

LITHIA, FLORIDA

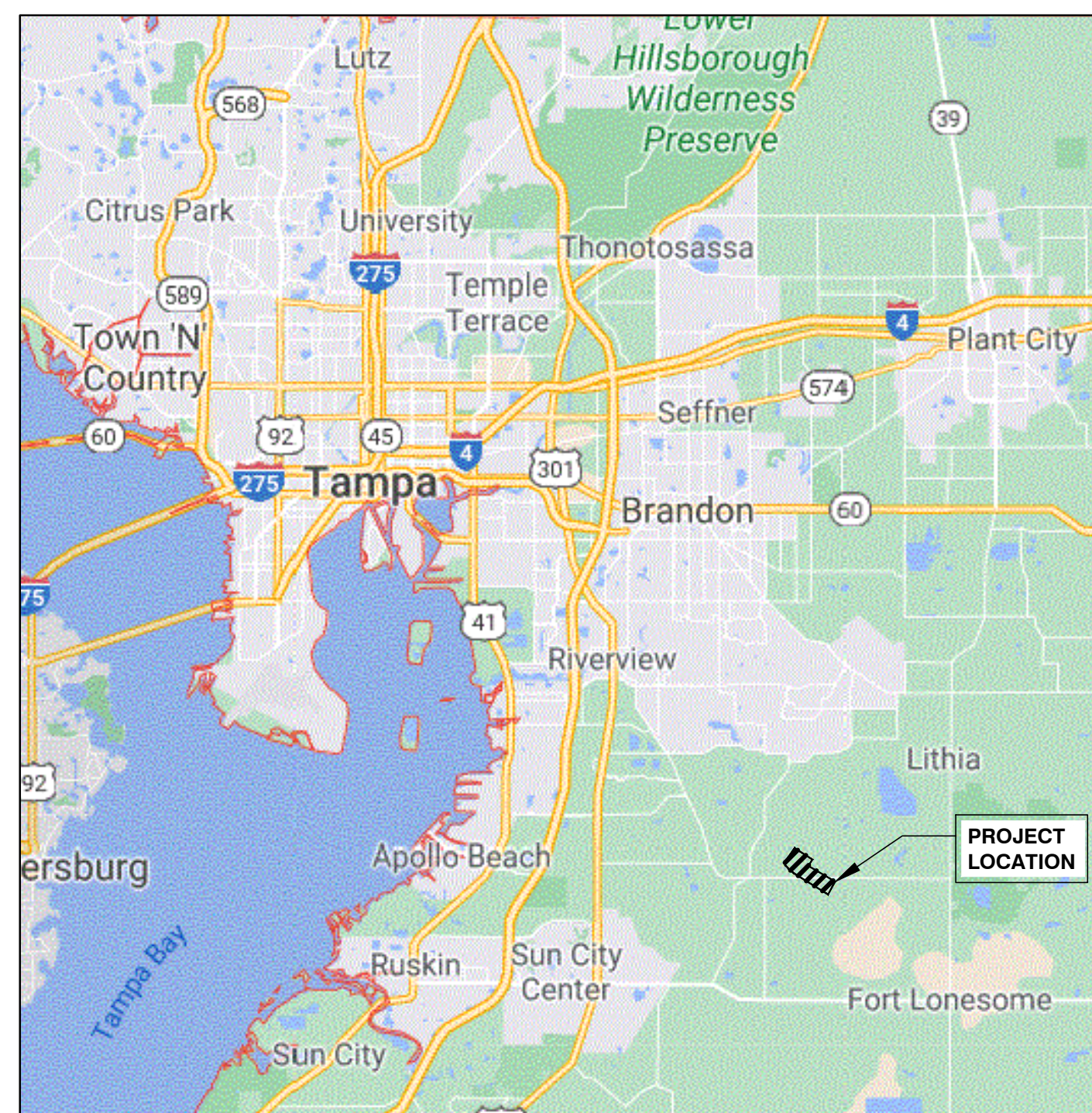
DECEMBER, 2020

(REVISED APRIL 2021)



BOARD OF COUNTY COMMISSIONERS

HARRY COHEN - DISTRICT 1
KEN HAGAN - DISTRICT 2
GWENDOLYN W. MYERS - DISTRICT 3
STACY R. WHITE - DISTRICT 4
MARIELLA SMITH - DISTRICT 5
PAT KEMP - DISTRICT 6
KIMBERLY OVERMAN - DISTRICT 7



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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4.	PROPOSED CONDITION
5.	CONDUIT SCHEDULE
6.	EROSION AND SEDIMENT PLAN
7.	EROSION AND SEDIMENT DETAILS
8.	TRENCH & WALL DETAILS

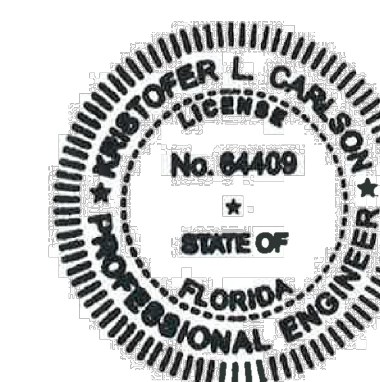


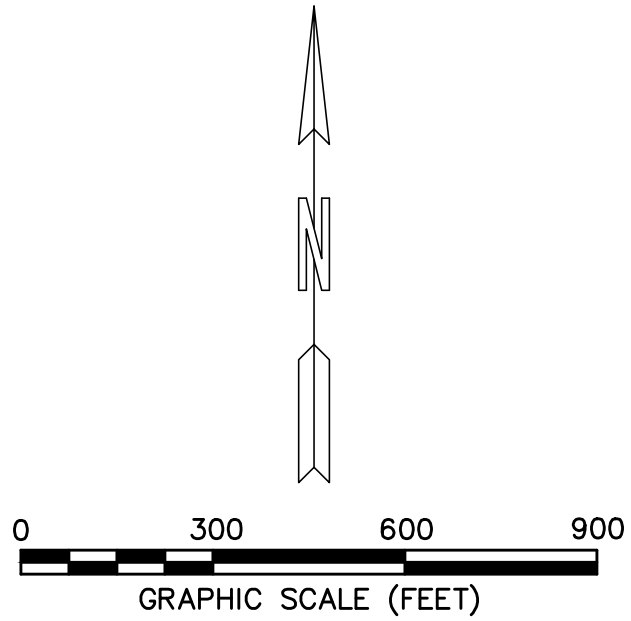
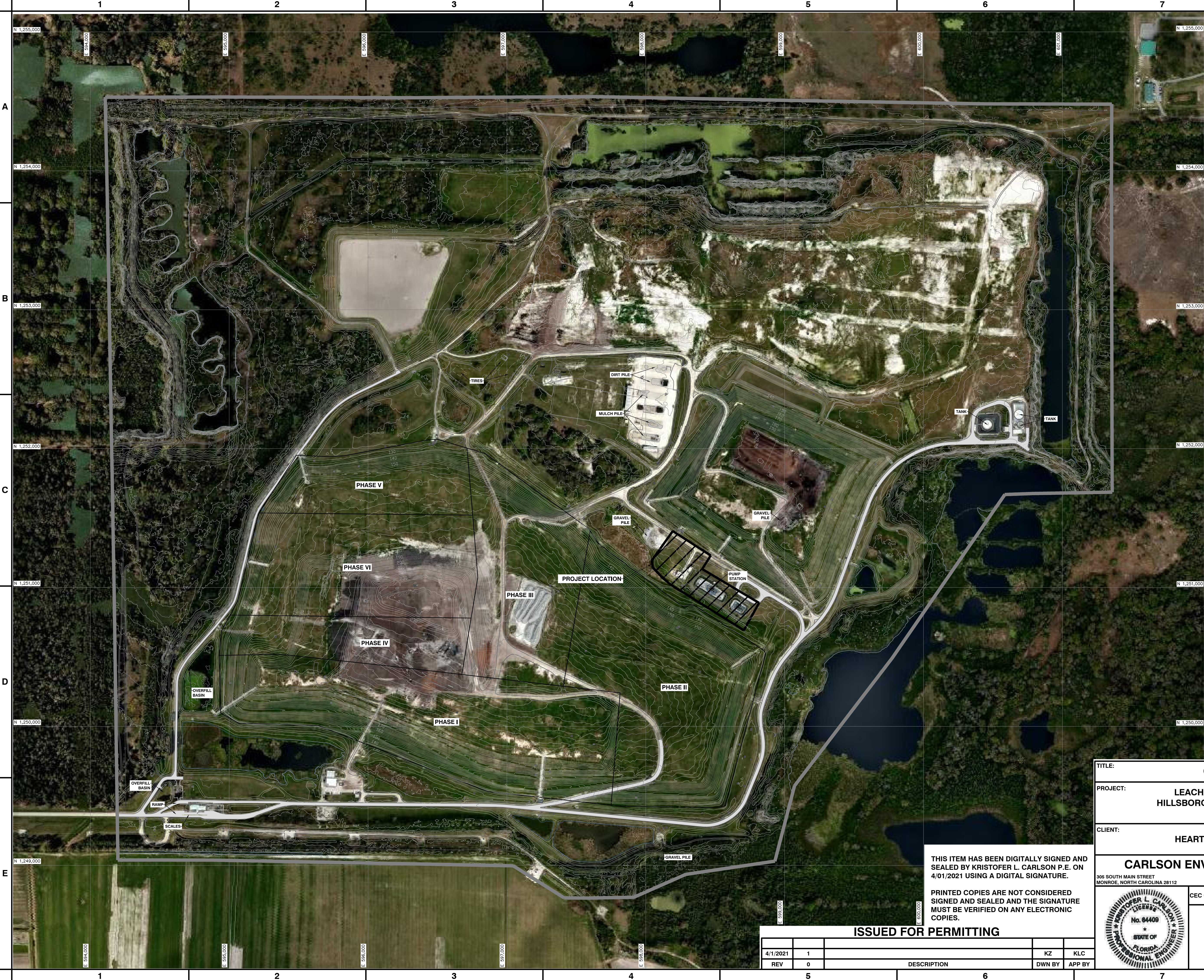
305 SOUTH MAIN STREET
MONROE, NORTH CAROLINA 28112
(704) 283-9765

CEC JOB NO. 208.01.01

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4/01/2021 USING A DIGITAL SIGNATURE.

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COPIES.





- LEGEND
- PROPERTY BOUNDARY
 - 10 FT TOPOGRAPHIC CONTOUR LINE
 - 2 FT TOPOGRAPHIC CONTOUR LINE
 - CELL BOUNDARY

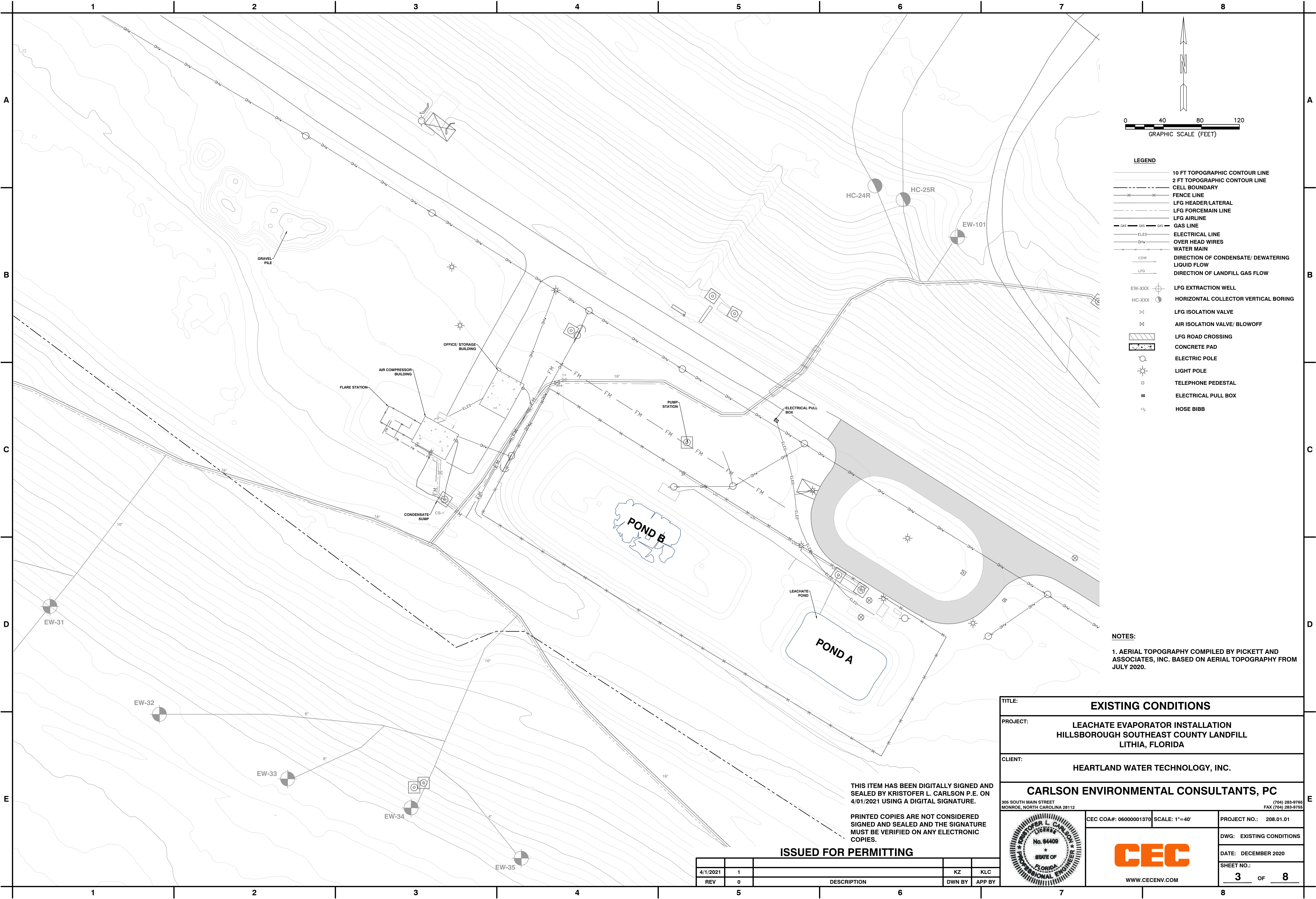
NOTES:
1. AERIAL TOPOGRAPHY COMPILED BY PICKETT AND ASSOCIATES, INC. BASED ON AERIAL TOPOGRAPHY FROM JULY 2020.

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ISSUED FOR PERMITTING				
4/1/2021	1		KZ	KLC
REV	0	DESCRIPTION	DWN BY	APP BY

TITLE: OVERALL SITE PLAN		
PROJECT: LEACHATE EVAPORATOR INSTALLATION HILLSBOROUGH SOUTHEAST COUNTY LANDFILL LITHIA, FLORIDA		
CLIENT: HEARTLAND WATER TECHNOLOGY, INC.		
CARLSON ENVIRONMENTAL CONSULTANTS, PC <small>305 SOUTH MAIN STREET MONROE, NORTH CAROLINA 28112</small> <small>(704) 283-9765 FAX (704) 283-9755</small>		
CEC COA#: 06000001370	SCALE: 1"=300'	PROJECT NO.: 208.01.01
		DWG: OVERALL SITE PLAN
		DATE: DECEMBER 2020
		SHEET NO.: 2 OF 8
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LEGEND

- 10 FT TOPOGRAPHIC CONTOUR LINE
- 2 FT TOPOGRAPHIC CONTOUR LINE
- CELL BOUNDARY
- FENCE LINE
- LFG HEADER/LATERAL
- LFG FORCEMAIN LINE
- LFG AIRLINE
- GAS LINE
- ELECTRICAL LINE
- OVER HEAD WIRES
- WATER MAIN
- DIRECTION OF CONDENSATE/ DEWATERING LIQUID FLOW
- DIRECTION OF LANDFILL GAS FLOW
- LFG EXTRACTION WELL
- HORIZONTAL COLLECTOR VERTICAL BORING
- LFG ISOLATION VALVE
- AIR ISOLATION VALVE/ BLOWOFF
- LFG ROAD CROSSING
- CONCRETE PAD
- ELECTRIC POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- ELECTRICAL PULL BOX
- HOSE BIBB

NOTES:

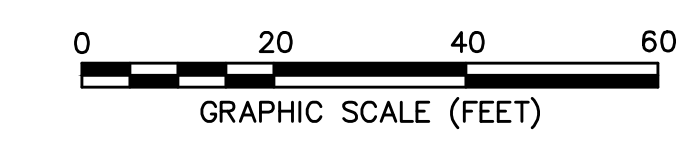
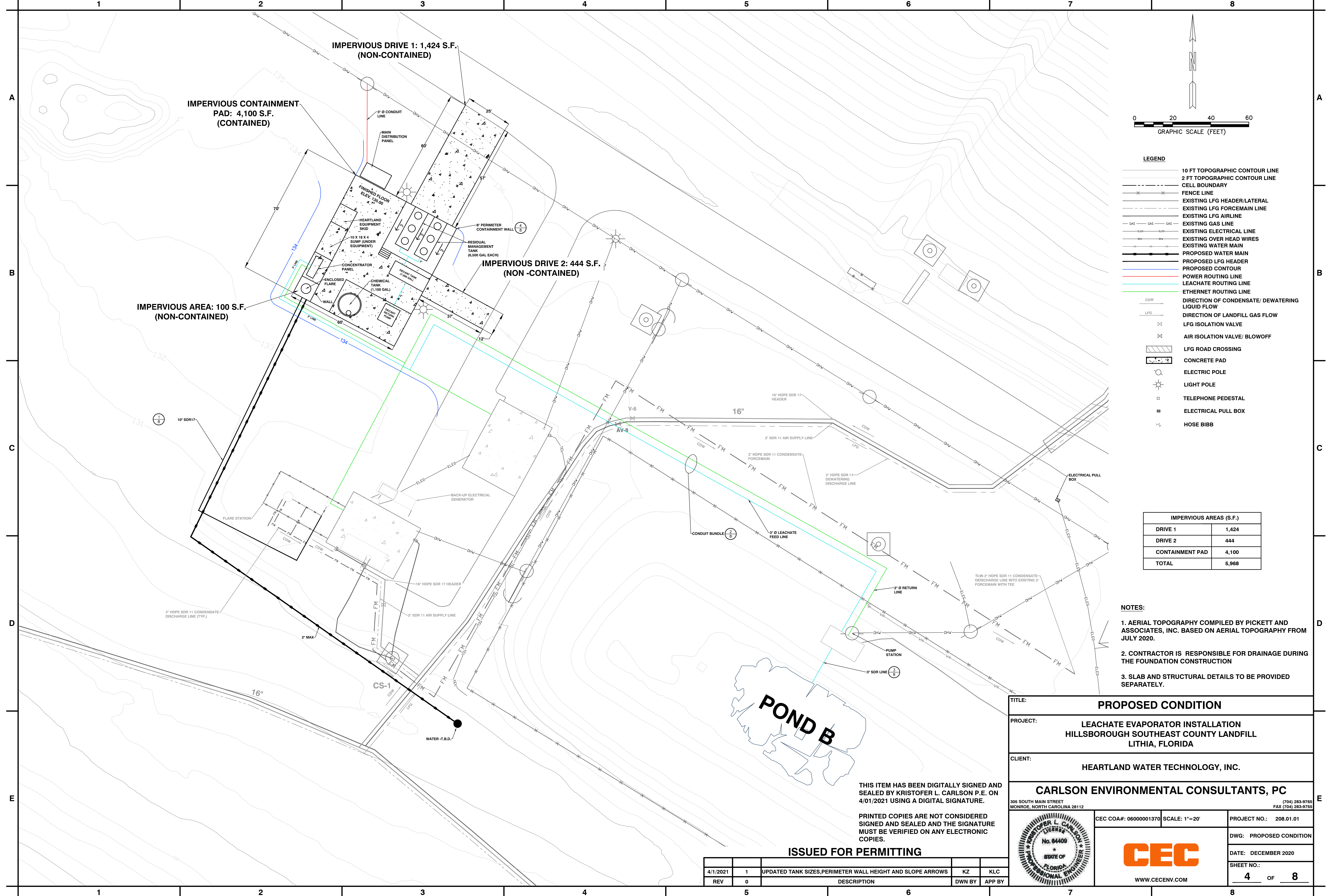
1. AERIAL TOPOGRAPHY COMPILED BY PICKETT AND ASSOCIATES, INC. BASED ON AERIAL TOPOGRAPHY FROM JULY 2020.

TITLE:		EXISTING CONDITIONS	
PROJECT:		LEACHATE EVAPORATOR INSTALLATION HILLSBOROUGH SOUTHEAST COUNTY LANDFILL LITHIA, FLORIDA	
CLIENT:		HEARTLAND WATER TECHNOLOGY, INC.	
CARLSON ENVIRONMENTAL CONSULTANTS, PC		305 SOUTH MAIN STREET MONROE, NORTH CAROLINA 28112	
CEC COA#: 06000001370		SCALE: 1"=40'	PROJECT NO.: 208.01.01
DWG: EXISTING CONDITIONS		DATE: DECEMBER 2020	
SHEET NO.: 3 OF 8		WWW.CECENV.COM	

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REV	DESCRIPTION	DWN BY	APP BY
4/1/2021	1	KZ	KLC
REV	0		



- LEGEND**
- 10 FT TOPOGRAPHIC CONTOUR LINE
 - 2 FT TOPOGRAPHIC CONTOUR LINE
 - CELL BOUNDARY
 - FENCE LINE
 - EXISTING LFG HEADER/LATERAL
 - EXISTING LFG FORCEMAIN LINE
 - EXISTING LFG AIRLINE
 - EXISTING GAS LINE
 - EXISTING ELECTRICAL LINE
 - EXISTING OVER HEAD WIRES
 - EXISTING WATER MAIN
 - PROPOSED WATER MAIN
 - PROPOSED LFG HEADER
 - PROPOSED CONTOUR
 - POWER ROUTING LINE
 - LEACHATE ROUTING LINE
 - ETHERNET ROUTING LINE
 - CDW
 - LFG
 - DIRECTION OF CONDENSATE/ DEWATERING LIQUID FLOW
 - DIRECTION OF LANDFILL GAS FLOW
 - LFG ISOLATION VALVE
 - AIR ISOLATION VALVE/ BLOWOFF
 - LFG ROAD CROSSING
 - CONCRETE PAD
 - ELECTRIC POLE
 - LIGHT POLE
 - TELEPHONE PEDESTAL
 - ELECTRICAL PULL BOX
 - HOSE BIBB

IMPERVIOUS AREAS (S.F.)	
DRIVE 1	1,424
DRIVE 2	444
CONTAINMENT PAD	4,100
TOTAL	5,968

- NOTES:**
- AERIAL TOPOGRAPHY COMPILED BY PICKETT AND ASSOCIATES, INC. BASED ON AERIAL TOPOGRAPHY FROM JULY 2020.
 - CONTRACTOR IS RESPONSIBLE FOR DRAINAGE DURING THE FOUNDATION CONSTRUCTION
 - SLAB AND STRUCTURAL DETAILS TO BE PROVIDED SEPARATELY.

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ISSUED FOR PERMITTING				
4/1/2021	1	UPDATED TANK SIZES, PERIMETER WALL HEIGHT AND SLOPE ARROWS	KZ	KLC
REV	0	DESCRIPTION	DWN BY	APP BY

TITLE: PROPOSED CONDITION

PROJECT: LEACHATE EVAPORATOR INSTALLATION
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL
LITHIA, FLORIDA

CLIENT: HEARTLAND WATER TECHNOLOGY, INC.

CARLSON ENVIRONMENTAL CONSULTANTS, PC
305 SOUTH MAIN STREET
MONROE, NORTH CAROLINA 28112
(704) 283-9765
FAX (704) 283-9755

CEC COA #: 06000001370 SCALE: 1"=20'

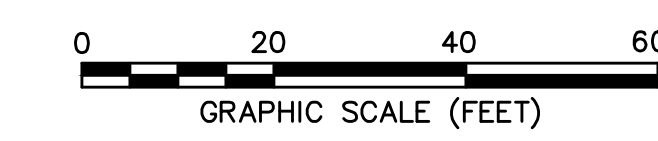
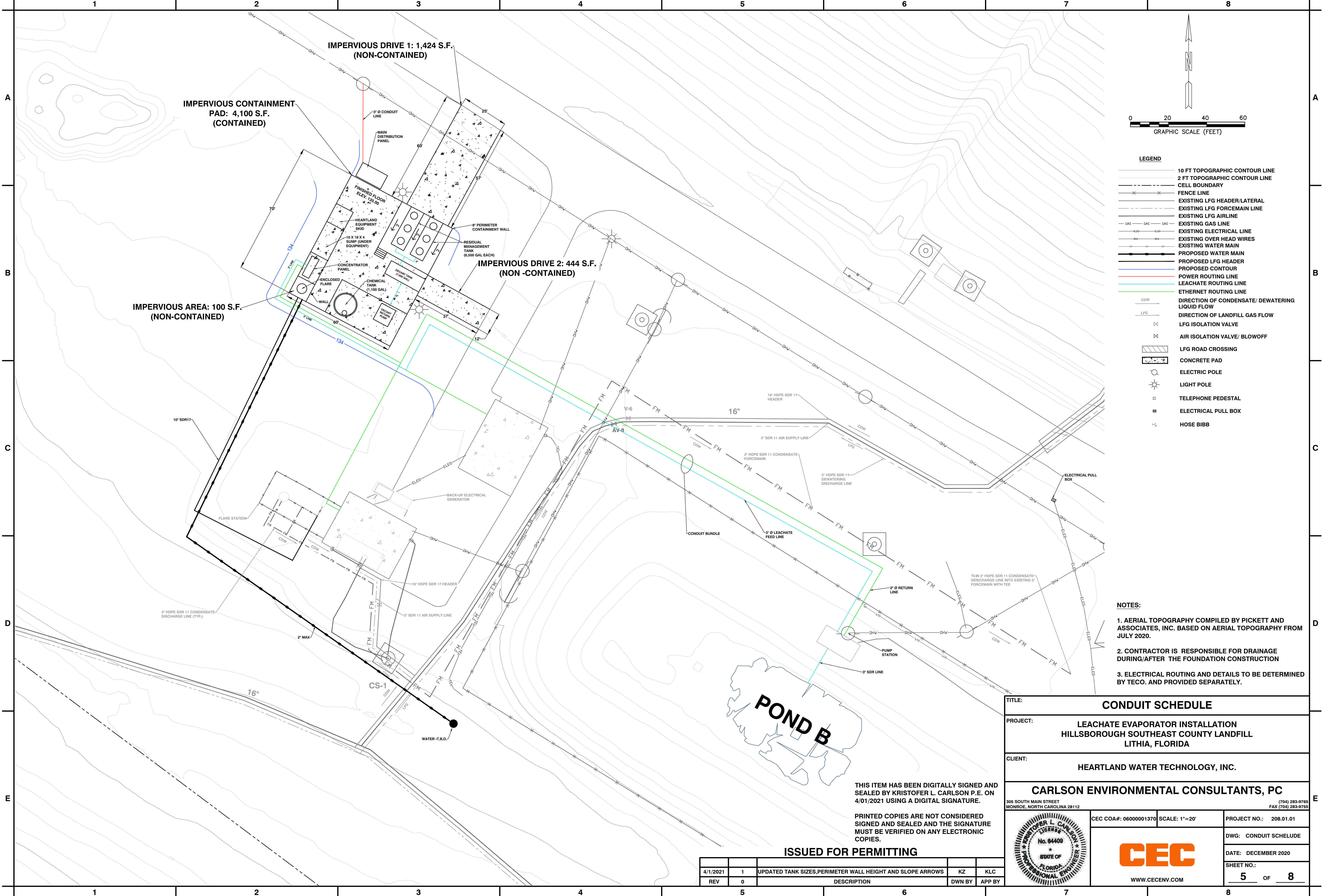
PROJECT NO.: 208.01.01

DWG: PROPOSED CONDITION

DATE: DECEMBER 2020

SHEET NO.: 4 OF 8

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- LEGEND**
- 10 FT TOPOGRAPHIC CONTOUR LINE
 - 2 FT TOPOGRAPHIC CONTOUR LINE
 - CELL BOUNDARY
 - FENCE LINE
 - EXISTING LFG HEADER/LATERAL
 - EXISTING LFG FORCEMAIN LINE
 - EXISTING LFG AIRLINE
 - EXISTING GAS LINE
 - EXISTING ELECTRICAL LINE
 - EXISTING OVER HEAD WIRES
 - EXISTING WATER MAIN
 - PROPOSED WATER MAIN
 - PROPOSED LFG HEADER
 - PROPOSED CONTOUR
 - POWER ROUTING LINE
 - LEACHATE ROUTING LINE
 - ETHERNET ROUTING LINE
 - DIRECTION OF CONDENSATE/ DEWATERING LIQUID FLOW
 - DIRECTION OF LANDFILL GAS FLOW
 - LFG ISOLATION VALVE
 - AIR ISOLATION VALVE/ BLOWOFF
 - LFG ROAD CROSSING
 - CONCRETE PAD
 - ELECTRIC POLE
 - LIGHT POLE
 - TELEPHONE PEDESTAL
 - ELECTRICAL PULL BOX
 - HOSE BIBB

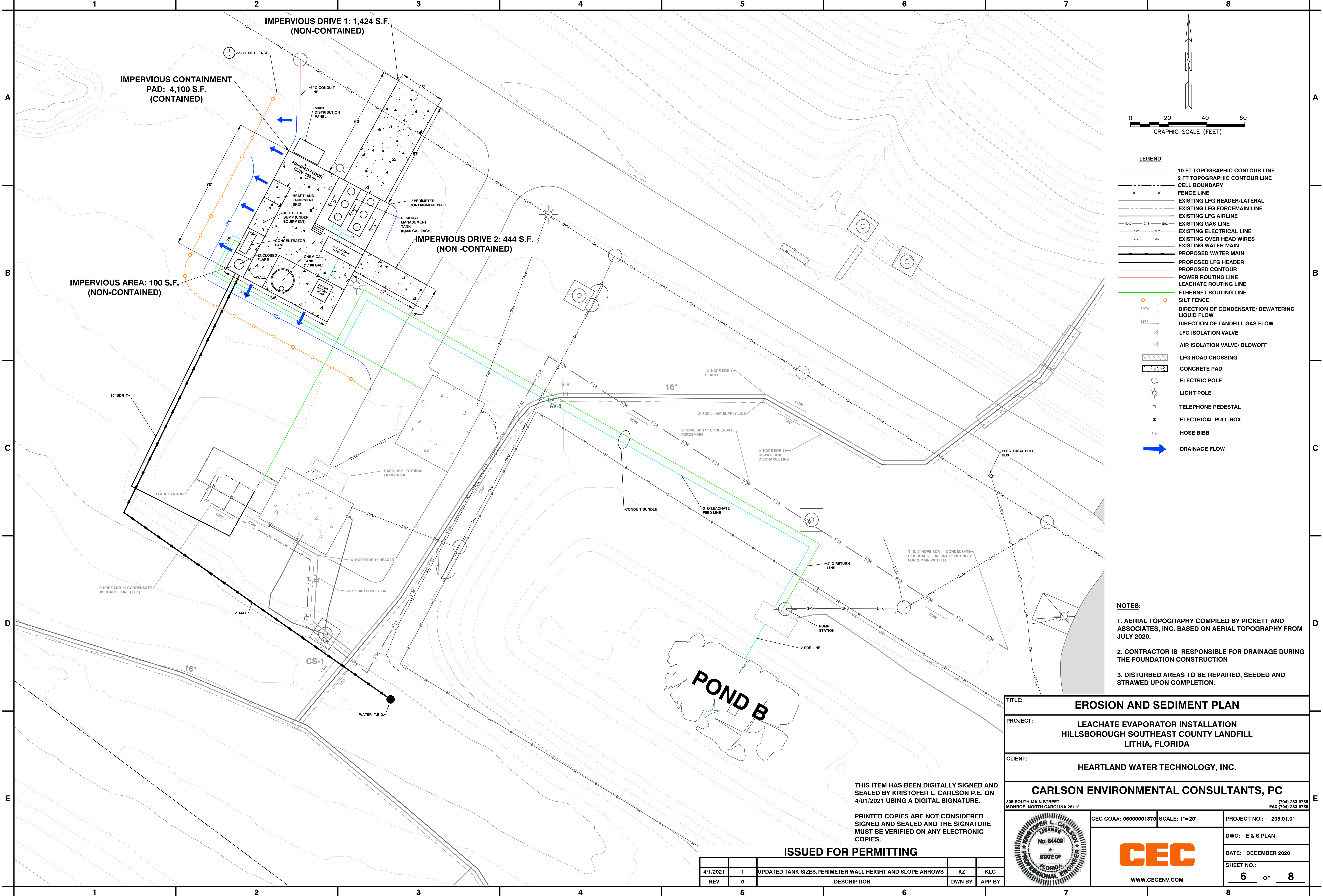
- NOTES:**
1. AERIAL TOPOGRAPHY COMPILED BY PICKETT AND ASSOCIATES, INC. BASED ON AERIAL TOPOGRAPHY FROM JULY 2020.
 2. CONTRACTOR IS RESPONSIBLE FOR DRAINAGE DURING/AFTER THE FOUNDATION CONSTRUCTION
 3. ELECTRICAL ROUTING AND DETAILS TO BE DETERMINED BY TECO. AND PROVIDED SEPARATELY.

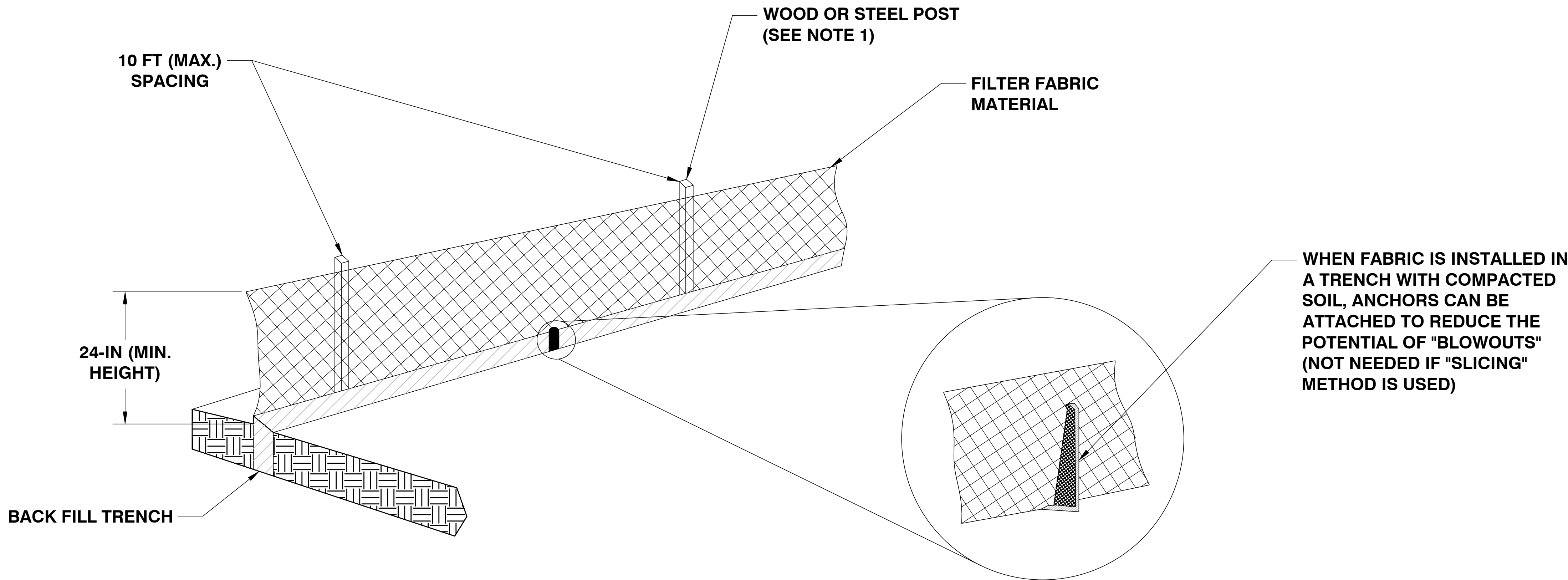
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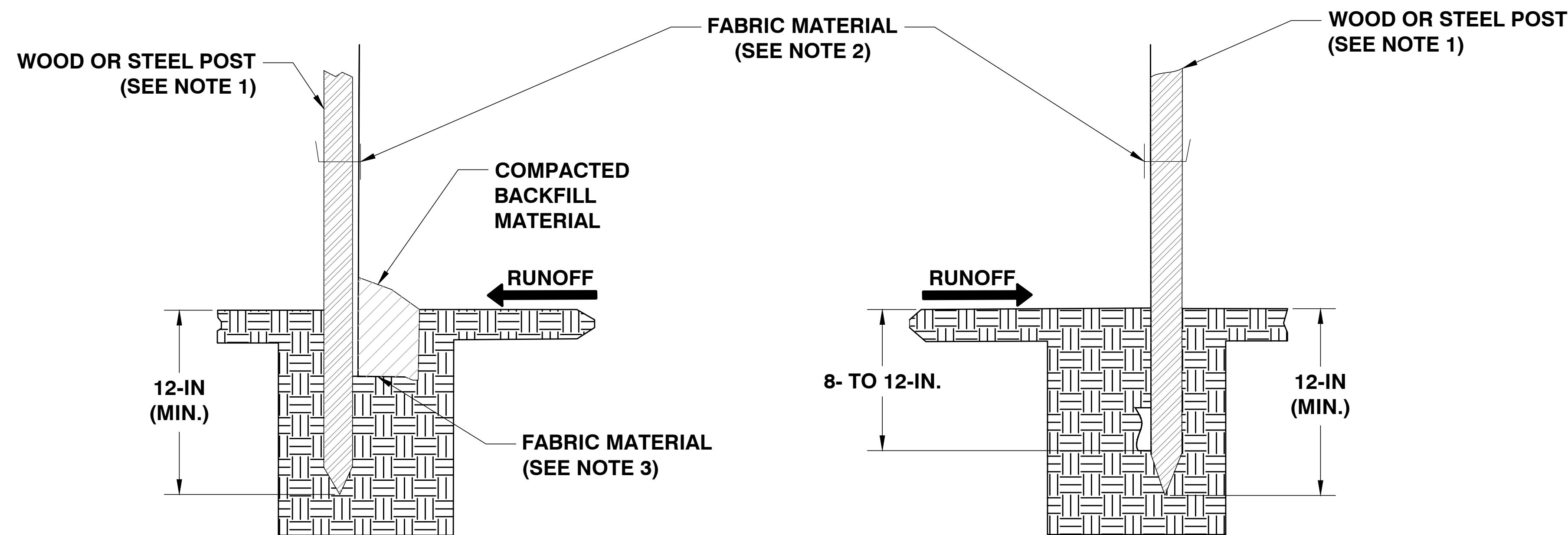
ISSUED FOR PERMITTING				
4/1/2021	1	UPDATED TANK SIZES, PERIMETER WALL HEIGHT AND SLOPE ARROWS	KZ	KLC
REV		DESCRIPTION	DWN BY	APP BY
	0			

TITLE: CONDUIT SCHEDULE		
PROJECT: LEACHATE EVAPORATOR INSTALLATION HILLSBOROUGH SOUTHEAST COUNTY LANDFILL LITHIA, FLORIDA		
CLIENT: HEARTLAND WATER TECHNOLOGY, INC.		
CARLSON ENVIRONMENTAL CONSULTANTS, PC 305 SOUTH MAIN STREET MONROE, NORTH CAROLINA 28112 (704) 283-9765 FAX (704) 283-9755		
CEC COA#: 06000001370	SCALE: 1"=20'	PROJECT NO.: 208.01.01
		DWG: CONDUIT SCHELUDE
		DATE: DECEMBER 2020
		SHEET NO.: 5 OF 8
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1
7
SILT FENCE DETAILS
NOT TO SCALE



TRENCHING METHOD

SLICING METHOD

- NOTES:
1. WOOD OR STEEL POST MUST BE INSTALLED BEFORE COMPACTING BACK FILL MATERIAL.
 2. FABRIC MATERIAL MUST BE SECURELY FASTENED TO THE POSTS OR (IF USED) TO THE WIRE MESH.
 3. FABRIC MATERIAL MUST BE PLACED IN A 6-IN X 6-IN TRENCH WITH A "L" SHAPE BEFORE BACKFILLING AND COMPACTING THE SOIL.

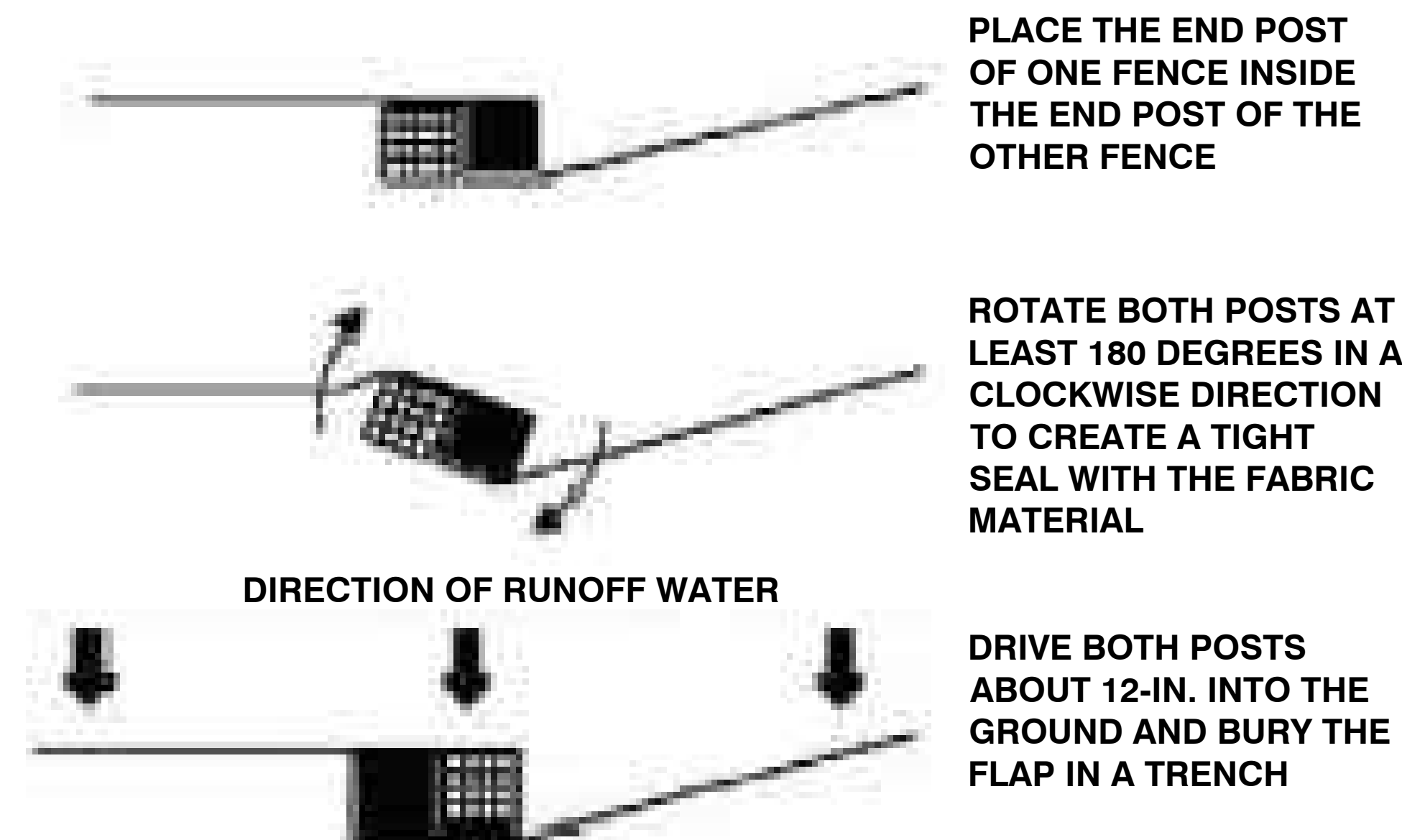
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ISSUED FOR PERMITTING

REV	DESCRIPTION	DWN BY	APP BY
4/1/2021	1	KZ	KLC
REV	0		

ATTACHING TWO SILT FENCES
WHEN TRENCHING IS USED



TITLE: EROSION AND SEDIMENT DETAILS			
PROJECT: LEACHATE EVAPORATOR INSTALLATION HILLSBOROUGH SOUTHEAST COUNTY LANDFILL LITHIA, FLORIDA			
CLIENT: HEARTLAND WATER TECHNOLOGY, INC.			
CARLSON ENVIRONMENTAL CONSULTANTS, PC			
305 SOUTH MAIN STREET MONROE, NORTH CAROLINA 28112			
CEC COA#: 06000001370		SCALE: NTS	PROJECT NO.: 208.01.01
DWG: E & S DETAILS		DATE: DECEMBER 2020	
SHEET NO.: 7 OF 8			



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