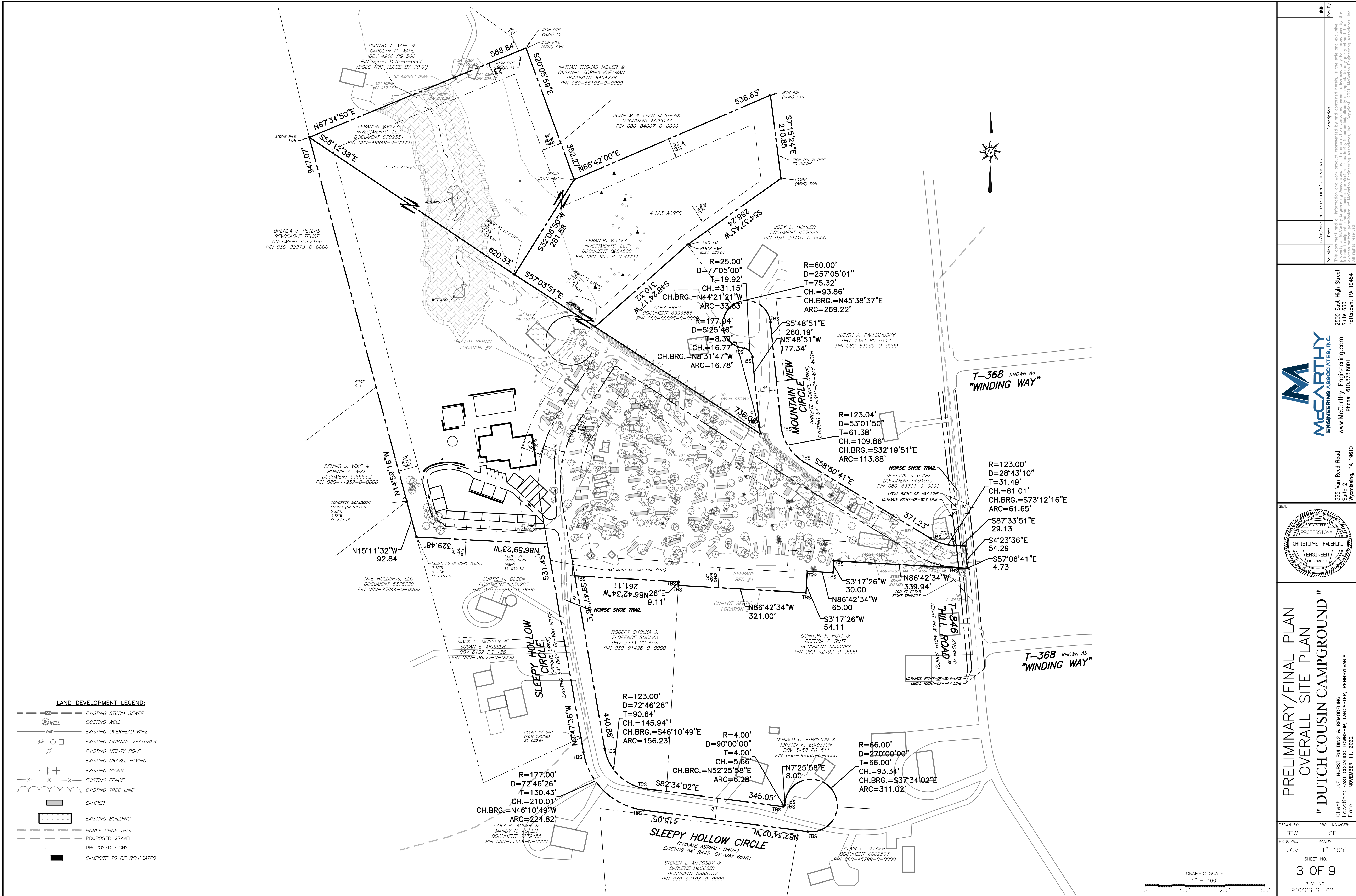
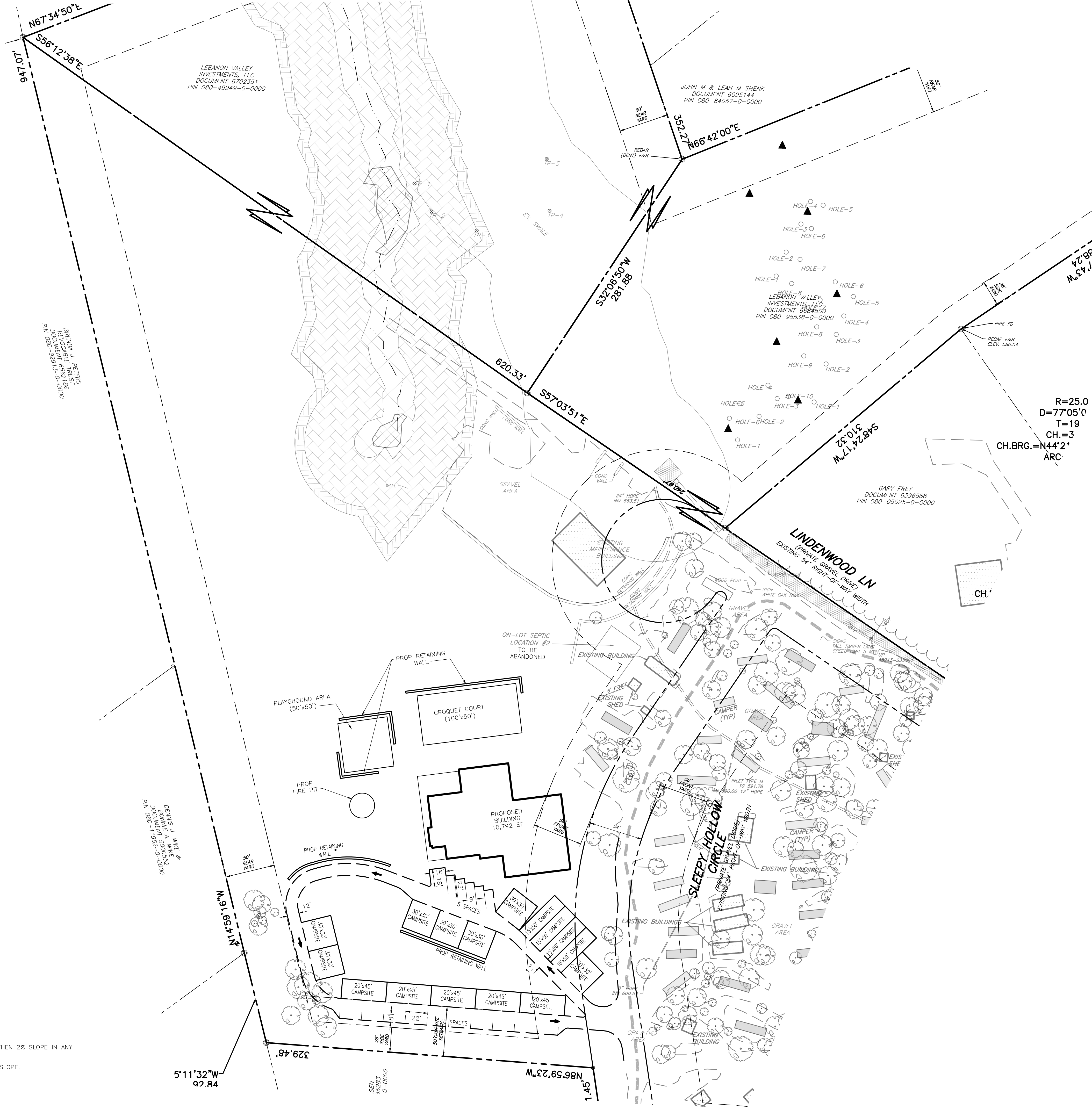


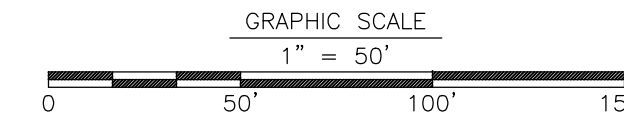






- GENERAL NOTES:
1. All ADA PARKING AREAS SHALL NOT HAVE SLOPES GREATER THEN 2% SLOPE IN ANY DIRECTION.
 2. ALL SIDEWALKS SHALL NOT HAVE GREATER THEN 2% CROSS SLOPE.

- LAND DEVELOPMENT LEGEND:
- EXISTING STORM SEWER
 - EXISTING WELL
 - EXISTING OVERHEAD WIRE
 - EXISTING LIGHTING FEATURES
 - EXISTING UTILITY POLE
 - EXISTING GRAVEL PAVING
 - EXISTING SIGNS
 - EXISTING FENCE
 - EXISTING TREE LINE
 - CAMPER
 - EXISTING BUILDING
 - HORSE SHOE TRAIL
 - PROPOSED GRAVEL
 - PROPOSED SIGNS
 - CAMPSITE TO BE RELOCATED



PRELIMINARY/FINAL PLAN	
LAND DEVELOPMENT SITE PLAN	
"DUTCH COUSIN CAMPGROUND"	
Client: J.E. HORST BUILDING & REMODELING Location: EAST COCALICO TOWNSHIP, LANCASTER, PENNSYLVANIA Date: NOVEMBER 11, 2022	
DRAWN BY: BTW	PROJ. MANAGER: CF
PRINCIPAL: JCM	SCALE: 1"=50'
SHEET NO. 4 OF 9	
PLAN NO. 210166-SI-04	

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER FALENCKI
No. 008504
State of Pennsylvania

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Phone: 610.375.8001

Revision	Date	Rev. Description
1	12/08/2023	REV PER CLIENT'S COMMENTS

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EXISTING CONDITIONS/DEMOLITION LEGEND:

- EXISTING STORM SEWER
- EXISTING WELL
- EXISTING OVERHEAD WIRE
- EXISTING SPOT ELEVATION
- EXISTING CONTOURS
- EXISTING LIGHTING FEATURES
- EXISTING UTILITY POLE
- EXISTING GRAVEL PAVING
- EXISTING SIGNS
- EXISTING FENCE
- EXISTING TREE LINE
- CAMPER
- EXISTING BUILDING
- HORSE SHOE TRAIL
- SOIL LINE
- EXISTING TREE LINE
- EXISTING FENCE
- (TBR) FEATURE TO BE REMOVED
- CAMPSITE TO BE RELOCATED
- EXISTING WETLAND

GRAPHIC SCALE
1" = 100'
0 100' 200' 300'

12/08/2023		REV PER CLIENT'S COMMENTS	Description
1			

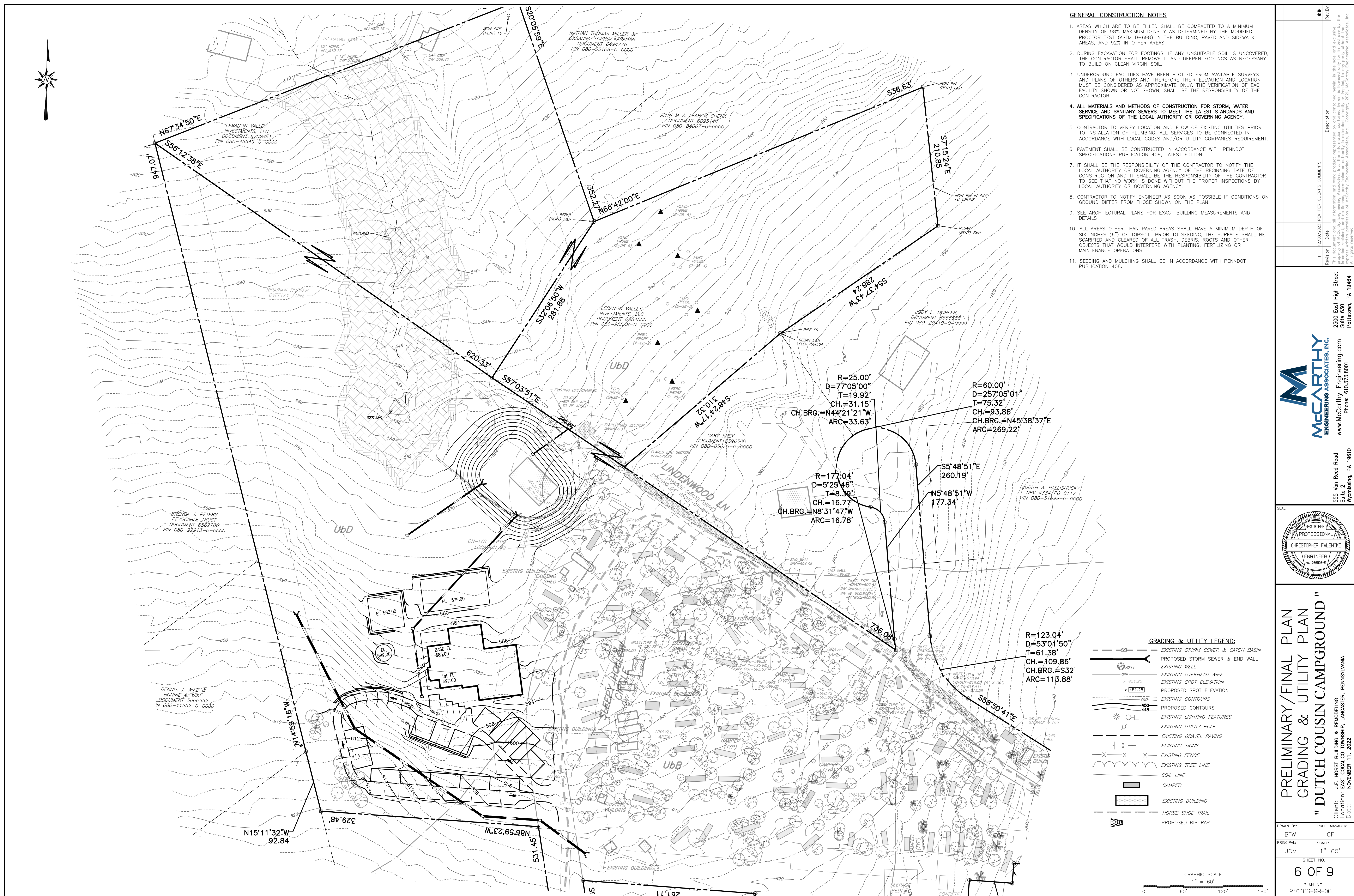
McCarthy Engineering Associates, Inc.
2500 East High Street
Suite 630
Pottstown, PA 19444
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Phone: 610.378.8001

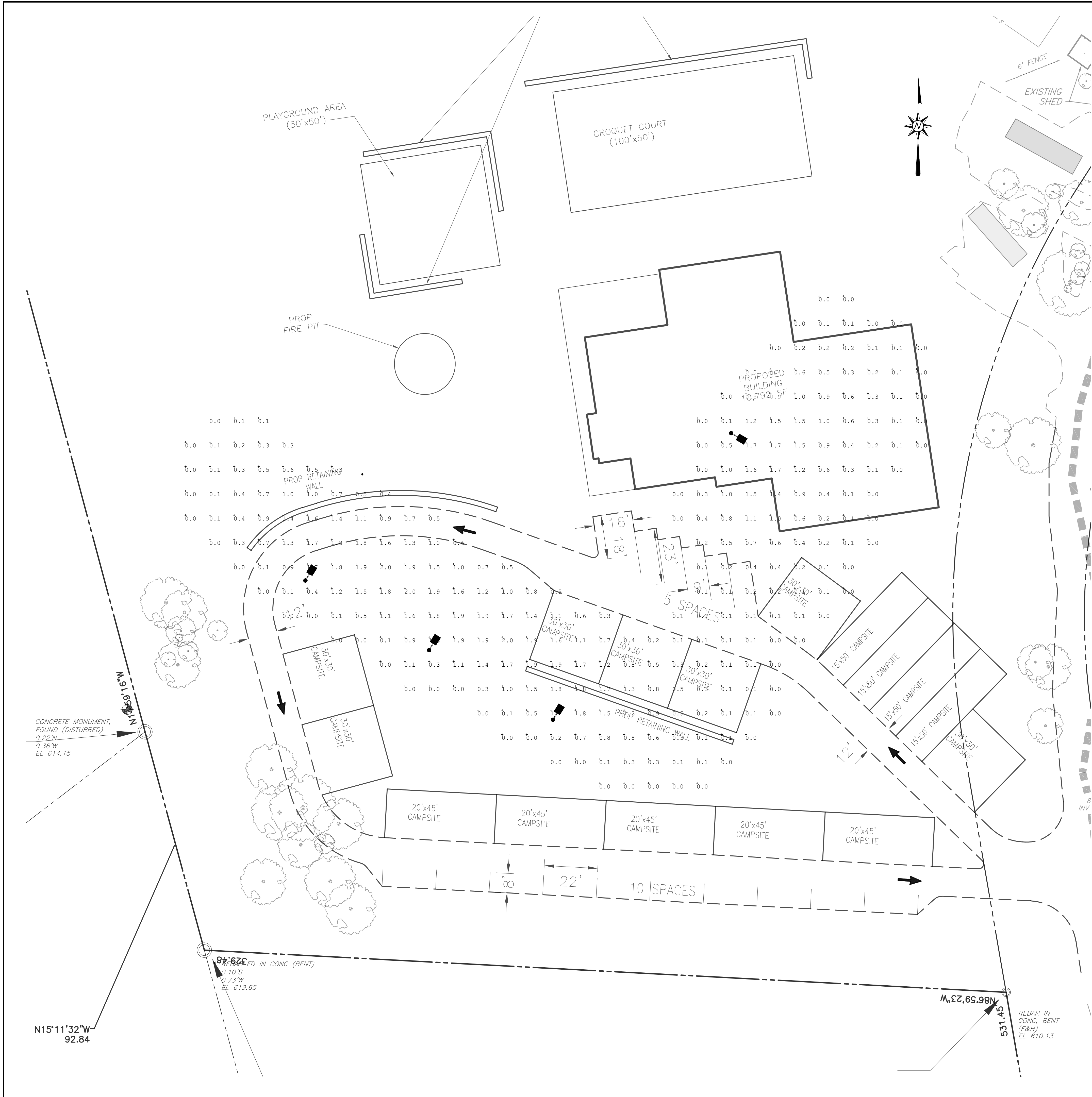
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER FALENSKI
No. 008904

PRELIMINARY/FINAL PLAN
EXISTING CONDITIONS & DEMOLITION PLAN
"DUTCH COUSIN CAMPGROUND"

Client: J.E. HORST BUILDING & REMODELING
Location: EAST COCALICO TOWNSHIP, LANCASTER, PENNSYLVANIA
Date: NOVEMBER 11, 2022

DRAWN BY: BTW
PRINCIPAL: JCM
PROJ. MANAGER: CF
SCALE: 1" = 100'
SHEET NO. 5 OF 9
PLAN NO. 210166-EC-05





LIGHTING LEGEND:

- S - EXISTING SANITARY SEWER & MANHOLE
- FM - EXISTING SANITARY FORCEMAIN
- SL - EXISTING SANITARY LATERAL
- S - PROPOSED SANITARY SEWER & MANHOLE
- SL - PROPOSED SANITARY LATERAL
- FM - PROPOSED SANITARY FORCEMAIN
- SS - EXISTING STORM SEWER & CATCH BASIN
- SS - PROPOSED STORM SEWER & CATCH BASIN
- JB - PROPOSED JUNCTION BOX
- EW - PROPOSED END WALL
- W - EXISTING WATER LINE & VALVE
- WS - EXISTING WATER SERVICE
- W - EXISTING WELL
- W - EXISTING FIRE HYDRANT
- W - PROPOSED WATER LINE & VALVE
- WS - EXISTING FIRE HYDRANT & VALVE
- WS - PROPOSED FIRE HYDRANT & VALVE
- WS - PROPOSED WATER SERVICE
- E - EXISTING ELECTRIC
- E - PROPOSED ELECTRIC
- OHW - EXISTING OVERHEAD WIRE
- G - EXISTING GAS LINE & VALVE
- G - PROPOSED GAS LINE
- G - PROPOSED GAS SERVICE
- T - EXISTING TELEPHONE
- T - PROPOSED TELEPHONE
- UF - EXISTING UTILITY POLE
- DC - EXISTING CURB AND DEPRESSIONED CURB
- C.T. - PROPOSED CURB & CURB TRANSITION
- XS - EXISTING SIGNS
- XF - EXISTING FENCE
- WP - PROPOSED FENCE
- WFL - WETLAND DELINEATION
- TL - EXISTING TREE LINE
- SL - SOIL LINE
- F - FEMA 100-YEAR FLOODPLAIN
- RR - EXISTING RIP RAP
- RR - PROPOSED RIP RAP
- LF - PROPOSED LIGHT FIXTURE

NOTE :
POLE FOUNDATION SHOULD BE DESIGNED FOR SITE CONDITIONS BY PROFESSIONAL ENGINEER.

TYP. POLE BASE DETAIL FOR SITE LIGHT FIXTURE

LSI OUTDOOR LED AREA LIGHT MIRADA MEDIUM MRM-LED-07L-SIL-FT-30-70CRI-IL

LIGHTING SCHEDULE:

BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS. THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

NO SUBSTITUTIONS, ADDITIONS, OR CHANGES MAY BE MADE WITHOUT PRIOR APPROVAL BY THE GOVERNING AUTHORITY.

LUMINAIRE EPA CHART - MRM																					
Tilt Degree		30°			45°			Tilt Degree		75°			90°			30°			45°		
Single	0.5	1.5	1.9	2.5	3.3	4.2	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	
0180°	1.0	1.5	1.9	2.5	3.3	4.2	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	
090°	0.8	1.9	2.3	2.8	3.3	3.9	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	

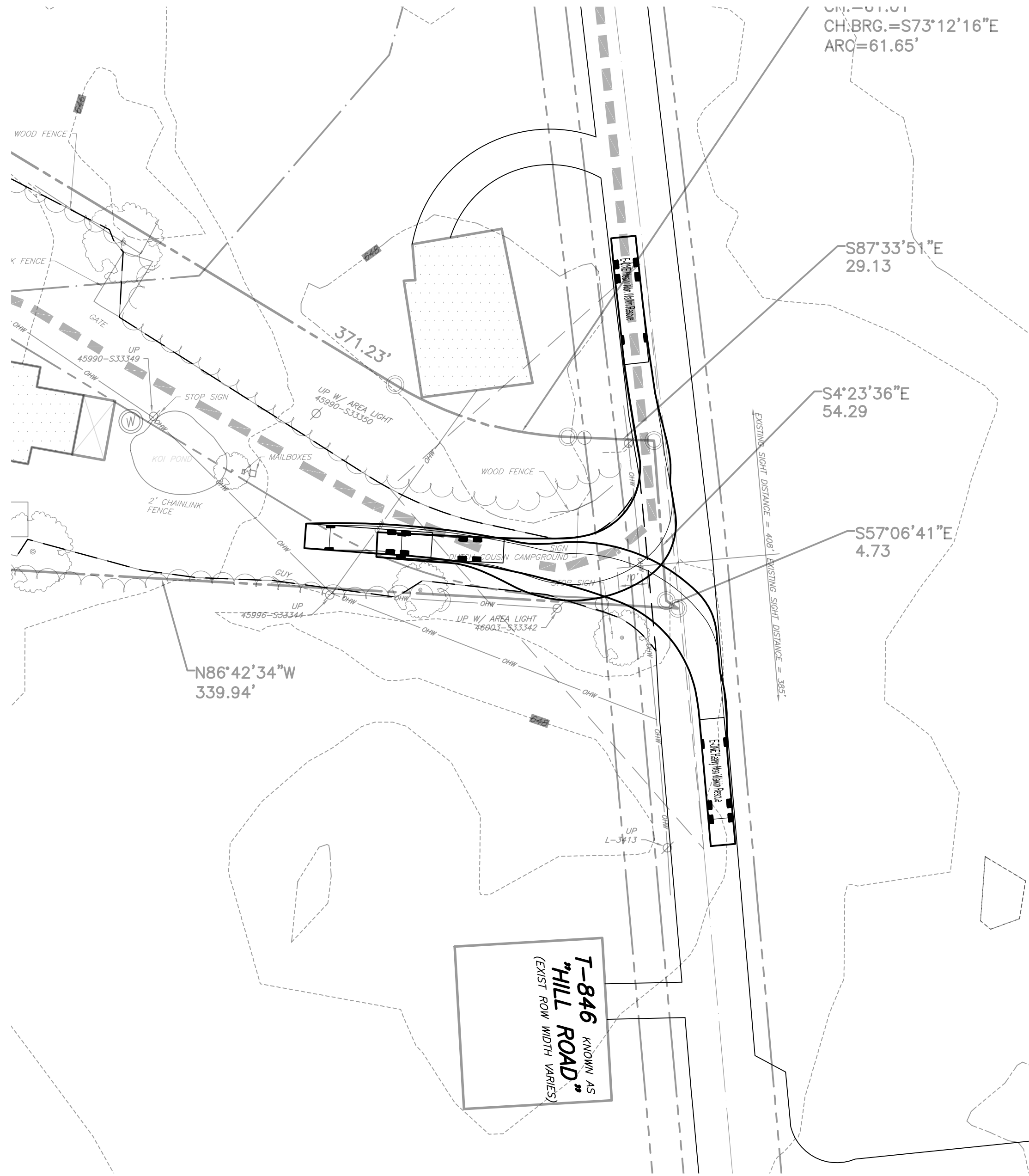
LUMINAIRE SERIES:						
PROJECT: DUTCH COUSIN CAMPGROUND						
SYMBOL	QTY	DESCRIPTION	ARRANGEMENT	TYPE	LUMENS	WATTS
●	4	MRM-LED-07L-SIL-FT-30-70CRI-IL	SINGLE	LED	7,562	48

LIGHTING/PHOTOCELL CONTROLLED...
OTHER LUMINAIRE OPTIONS TO BE SELECTED ON ORDER FORM/Spec SHEET...

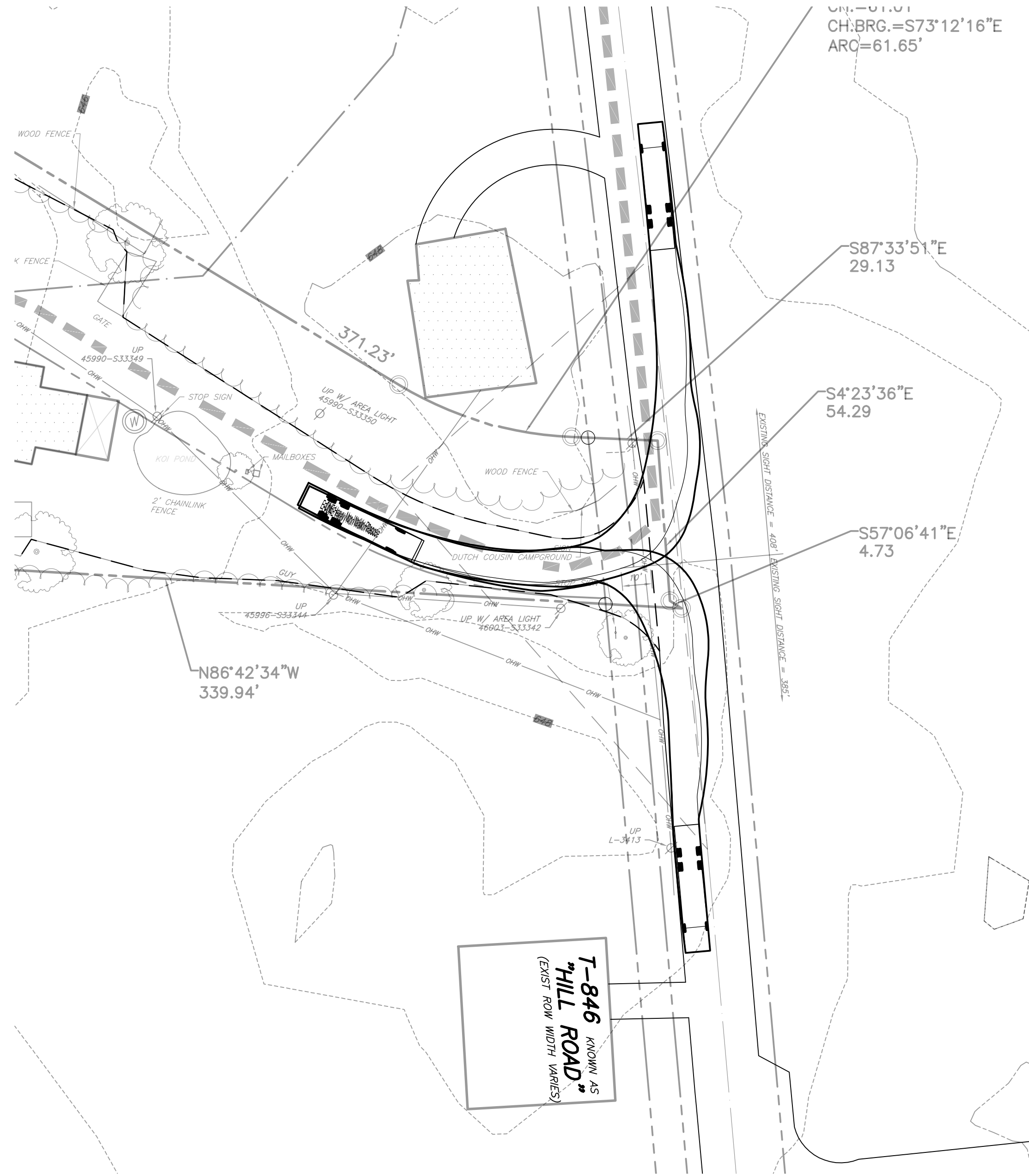
MAINTAINED FOOTCANDLE LEVELS AT GRADE.
USING A 0.90 TOTAL LIGHT LOSS FACTOR.

ILLUMINANCE IS IN HORIZONTAL FOOTCANDLES.

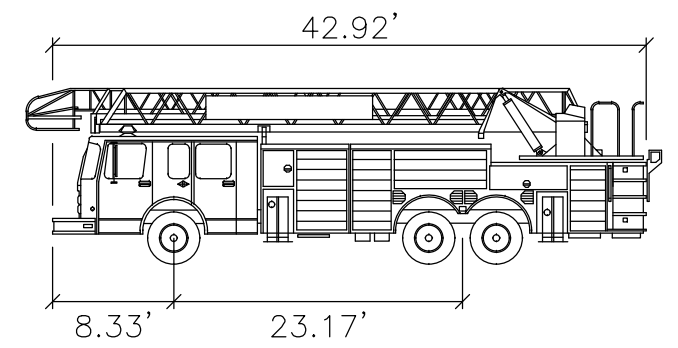
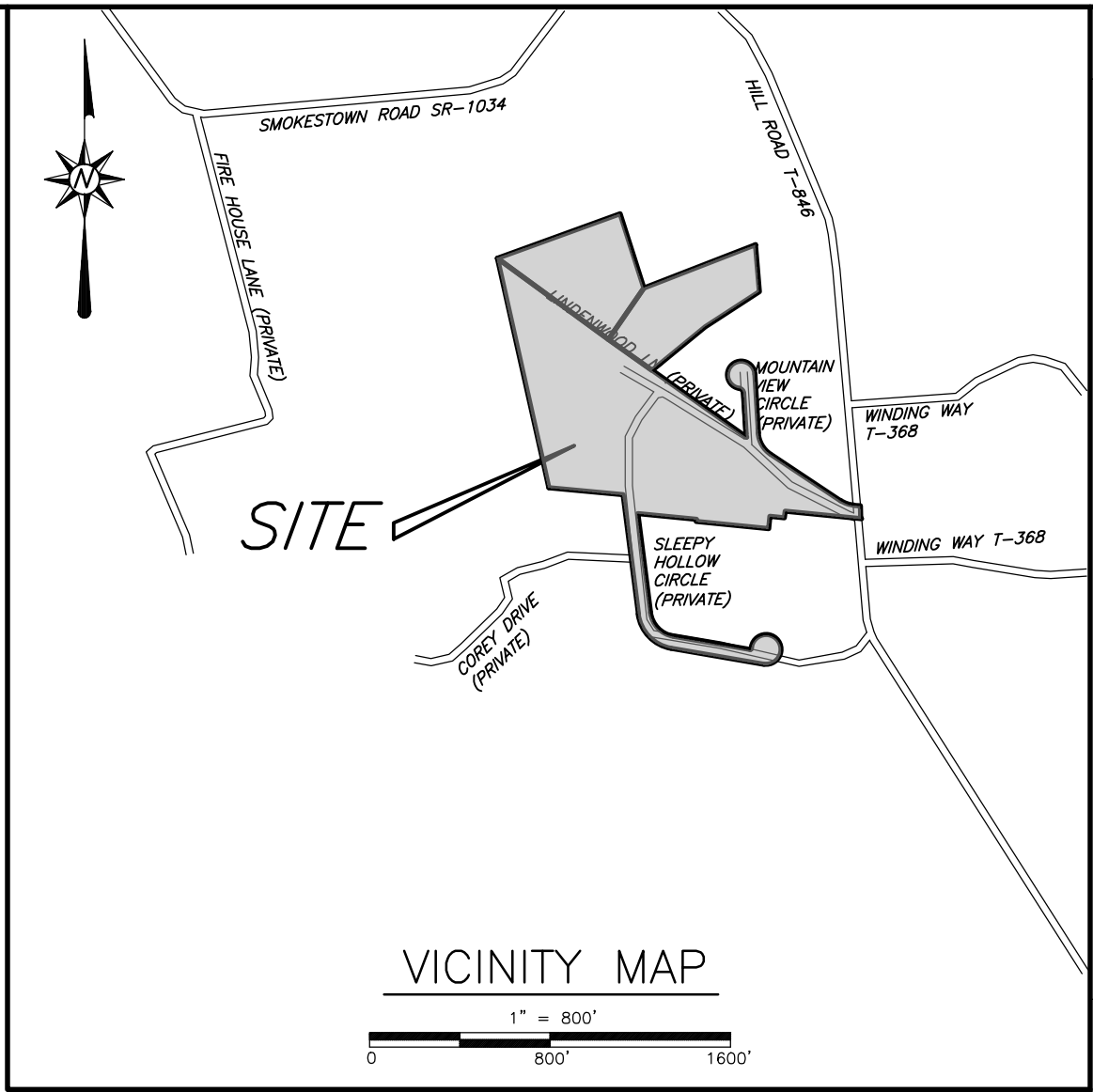
GRAPHIC SCALE
1" = 20'



FIRE TRUCK TURNING
ENTERING

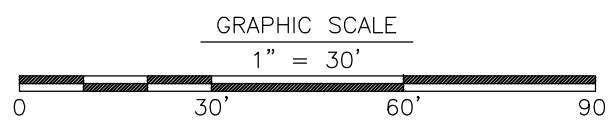


FIRE TRUCK TURNING
EXITING



Width : 8.33'
Track : 8.33'
Lock to Lock Time : 6 Seconds
Steering Angle : 45 Degrees

FIRE TRUCK PARAMETERS



PRELIMINARY/FINAL PLAN TRUCK TURNING EXHIBIT " DUTCH COUSIN CAMPGROUND "		Client: J.E. HORST BUILDING & REMODELING Location: EAST COCALICO TOWNSHIP, LANCASTER, PENNSYLVANIA Date: NOVEMBER 2023 2022
Drawn By: BMD	Proj. Manager: CF	
Principal: JCM	Scale: 1" = 30'	
SHEET NO. 9 OF 9		
PLAN NO. 210166-TT-09		
McCarthy Engineering Associates, Inc. 2500 East High Street Suite 630 Pottstown, PA 19464 Phone: 610.375.8001 www.McCarthy-Engineering.com		
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Revision: 1 Date: 12/08/2023 Rev. Per Client's Comments		
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