

STRUCTURAL NOTES

Project General Notes

- A. Material and design specifications cited herein shall be those conforming with the version of the applicable specification or code most recently adopted by the permitting authorities. These structural notes are to be used as a supplement to the specifications, unless noted otherwise.
- B. Refer to the architectural documents for all dimensions not shown on the structural contract documents. Do no scale the structural contract documents.
- C. The general contractor shall verify all dimensions, elevations, and conditions with architectural, mechanical, electrical, plumbing, and civil drawings and notify the architect/engineer of any discrepancies or inconsistencies.
- D. Any contractor inducing loads on the structure not specified on the contract documents must obtain approval from the architect/engineer prior to erection. Field alterations for any structural member shall not be executed without approval from the architect/engineer.
- E. Architect/engineer's approval shall be secured for all substitutions.
- F. The structure and all of its parts must be adequately braced against wind, lateral earth, and seismic forces until the permanent lateral-force resisting systems have been constructed and all of its parts have been installed.
- G. Shop drawings, vendor drawings, or any material prepared and submitted by the contractor or subcontractor are not considered part of the structural contract documents. Any engineering design provided by others and submitted for review shall bear the seal of an engineer registered in the state where the project is being built.
- H. During construction the contractor may encounter existing conditions which were not known during design or are at variance with the project documentation. Such conditions may interfere with new construction, require protection and/or support of existing work, or may consist of damaged or deterioration of structural materials/components which could jeopardize the structural integrity of the building. The contractor shall notify the engineer of record of all discoveries he believes may interfere with proper execution of the work or jeopardize the integrity of the building prior to proceeding with work related to such discoveries.
- I. The structural engineer shall not have control or charge of and shall not be responsible for construction means, methods, techniques, sequences, procedures, nor site safety.

- J. The structural drawings have been prepared using available information regarding the existing conditions. No attempt has been made to verify any existing conditions against information provided by others. The contractor shall compare the existing documents and notify the architect of any differences before proceeding with work.
- K. Items, in the opinion of the contractor, that appear to be deficiencies, omissions, contradictions, or ambiguities in the plans and / or specifications shall be brought to the attention of the structural engineer. Plans and / or specifications will be corrected or written interpretations of the alleged deficiency, omission, contradiction or ambiguity will be made by the structural engineer. Work shall not proceed in these areas before a response is received from the structural engineer.
- L. All products and materials used by the contractor shall be installed in strict accordance with the manufacturer's instructions.

Helical Piles

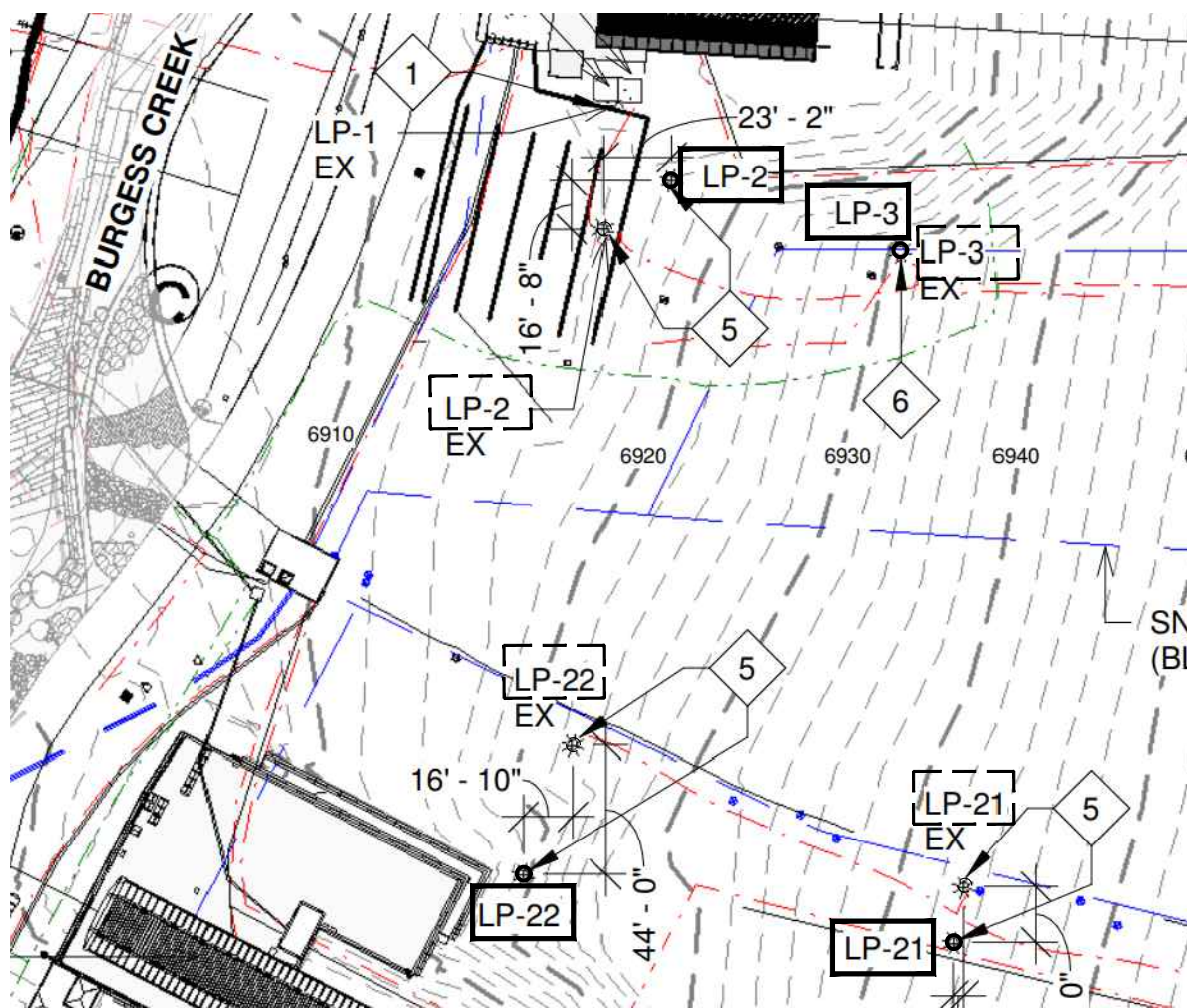
- A. Foundations designs are based on owner accepted recommendations provided by NWCC, INC. in soils report No. 21-12412, dated December 6th, 2021. Per the soils report, expansive soils were encountered at the proposed construction site. The owner is aware of the risks associated with expansive soils and has approved the use of the proposed foundation system.
- B. The helical pile foundations and tiebacks are designed in accordance with the Practical Design and Inspection Guide for Helical Piles and Helical Tension Anchors compiled and prepared by John S. Pack, P.E. for I.M.R., INC., Denver, Colorado, March 2020.
- C. The helical piles and tension anchors shall be installed to the minimum torques and lengths specified herein.
- D. The installation of the helical piles and tension anchors shall be monitored and recorded by a representative of SEAD, inc. or approved independent testing agency.

NOTE:

(4) LIGHT POLES WILL BE RELOCATED AS PART OF THIS PROJECT. LP-3 & LP-21 ARE CURRENTLY INSTALLED ON STEEL BASES SIMILAR TO WHAT IS SHOWN ON THESE PLANS. OK TO REUSE ANY EXISTING BASES THAT ARE NOT DAMAGED. LP-2 & LP-22 ARE CURRENTLY INSTALLED ON CONCRETE PIERS & AFTER REMOVAL WILL BE RE-INSTALLED ON HELICAL PILES AS SHOWN ON THESE PLANS. BASE P's, WASHERS AND CORNER P COUNTS ARE BASED ON THE FABRICATION OF (2) NEW BASE's. SEE SITE PLAN BY ESA FOR LOCATIONS OF RELOCATED POLES.

NOTE:

CONTRACTOR SHALL VERIFY DIMENSIONS OF BASE PLATES & BOLT SIZES TO ENSURE BOLTS DO NOT CONFLICT WITH TUBE STEEL FRAME - CONTACT E.O.R. IF THERE ARE ANY DISCREPANCIES - OK TO REUSE ANY EXISTING BASES THAT ARE NOT DAMAGED



6 PARTIAL SITE PLAN

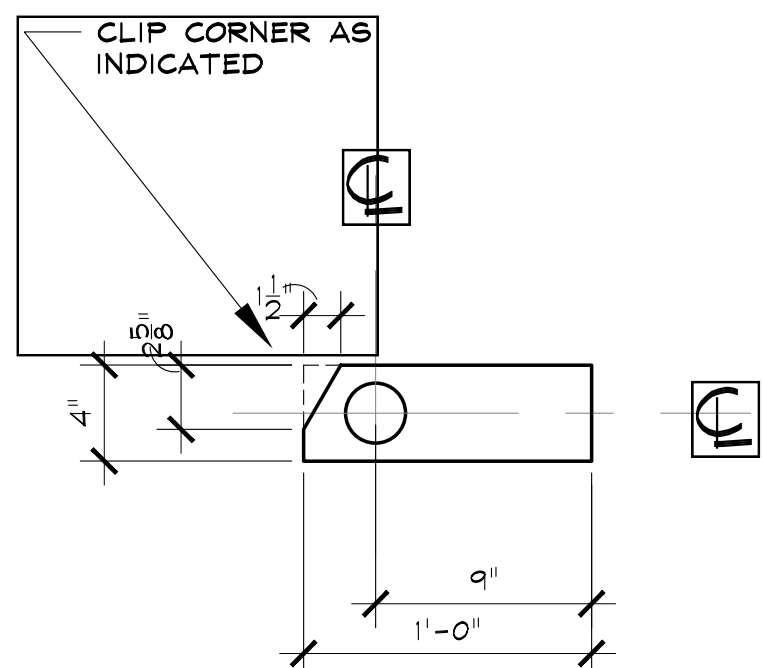
SEE FULL SITE PLAN BY ESA  
DASHED BOX - EXISTING LOCATION  
SOLID BOX - RE-LOCATION POSITION

SCALE: N.T.S.

5 BASE P

4 PIECES TOTAL  
P 1"X1'-4"X2'-0"

SCALE: 1 1/2" = 1'-0"



4 CORNER CAPS

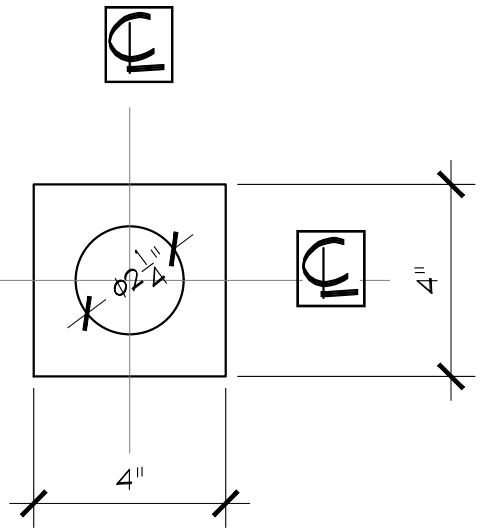
12 PIECES TOTAL  
P 3/8"X4"X1'-0" w/ 2 1/2" Ø HOLE

SCALE: 1 1/2" = 1'-0"

3 PILE WASHERS

12 PIECES TOTAL  
P 3/8"X4"X0'-4" w/ 2.25" Ø HOLE

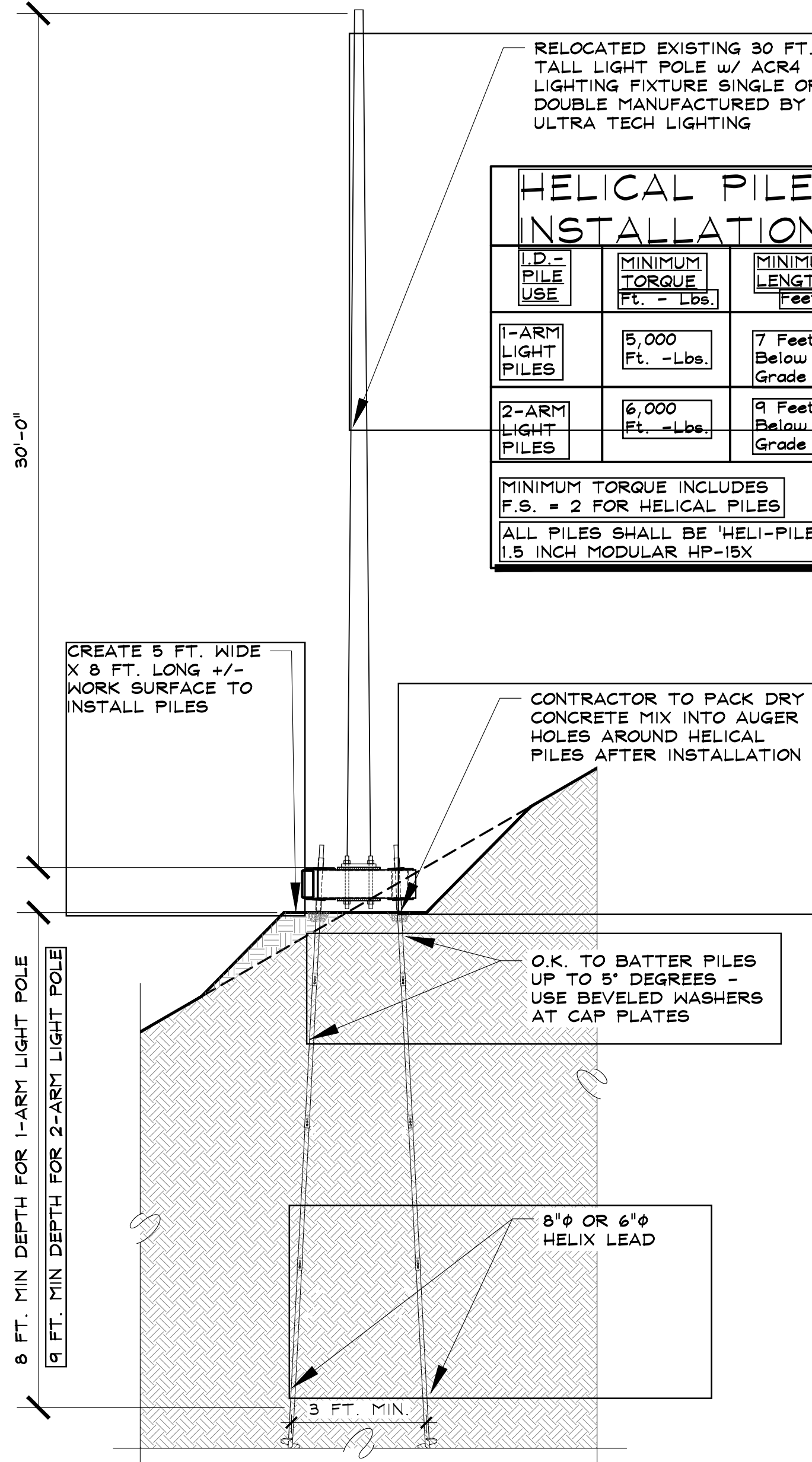
SCALE: 3" = 1'-0"



2 LIGHT POLE / PILE SECTION

(4) LIGHT POLES TO BE RELOCATED

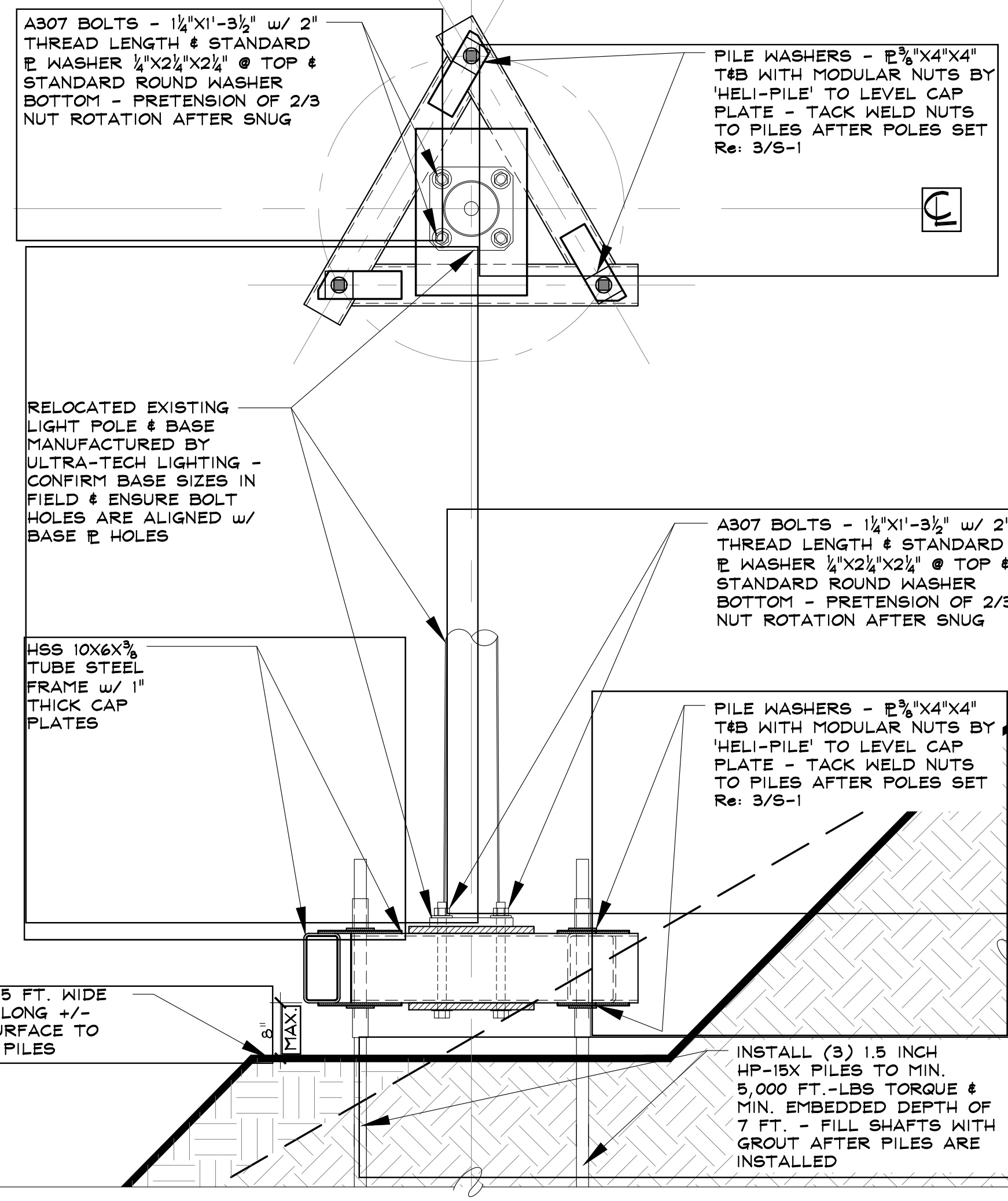
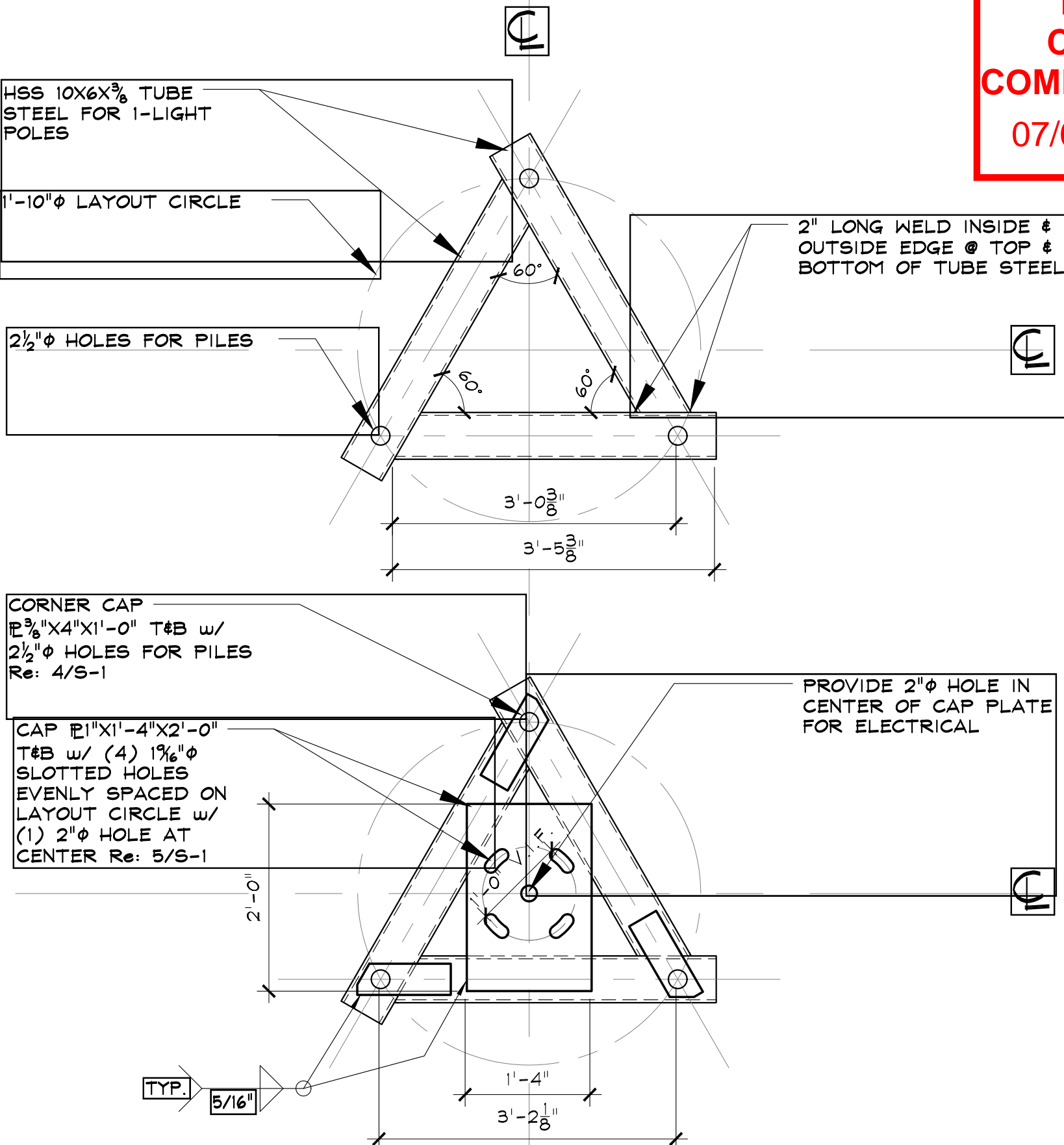
SCALE: 1/4" = 1'-0"



1 1-ARM POLE BASE w/ 12" Ø BOLT CIRCLE

INSTALL (3) 1.5 INCH HP-15X PILES TO MIN. 5,000 FT.-LBS TORQUE & MIN. EMBEDDED DEPTH OF 7 FT.  
(2) NEW BASES TO BE FABRICATED, (2) EXISTING BASES TO BE REUSED  
(4) LIGHT POLES TO BE RELOCATED

SCALE: 3/4" = 1'-0"



REVIEWED  
FOR  
CODE  
COMPLIANCE  
07/06/2022



SSRC - NIGHT SKIING LIGHTING  
STEAMBOAT SKI AREA  
STEAMBOAT SPRINGS, COLORADO  
HELICAL PILES FOR:  
SSRC

ISSUE DATES  
6 - 21 - 22 AS# 12

DRAWN BY: SNS  
REVIEWED BY: JEM  
PROJECT: # 22071  
HELICAL PILE FOUNDATIONS

AS002