

GENERAL STRUCTURAL NOTES

- DESIGN LIVE & SNOW LOADS
- a. PATIO.....100 psf DL + 100 psf snow
  - b. WIND.....110 mph Exp B
  - c. SEISMIC..... $S_s=0.26g$   $S_1=0.068g$  Group I Category II

GOVERNING SPECIFICATION  
International Residential Code (IRC) 2015 Edition

FOUNDATION DESIGN

- a. Design of retaining wall is based on an allowable soil bearing pressure of 4000 psf with 600 psf minimum as per NWCC soils report 05-6850. The soils report is out of date. Contact the soils engineer for updated recommendations during planning phase prior to construction.
- b. Retaining wall design based on an equivalent fluid pressure of 45 pcf for imported free draining backfill in accordance with specifications to be provided by the soils engineer.
- c. Contact the soils engineer during excavation to verify structural concrete has been placed on suitable bearing material.
- d. The owner should review the soils report for limitations and risks.  
All soils issues should be addressed to the soils engineer. The owner or his representative are responsible for following the soils report, contacting the soils engineer, and following their recommendations.
- e. Consult the soils engineer regarding grading, drainage, and drain tiles. Drain tile shown on this plan is pictorial only. Actual design to be provided by the soils engineer.  
Consult soils engineer regarding soil prep & compaction, perimeter drains, surface drainage, grading, backfill, slope stability and site suitability.
- f. The structural design drawing is for the structural design of the permanent foundation only. Detached retaining walls including rock retaining walls are by others.  
The structural engineer is not responsible for slope stability, excavation, shoring, drainage, soils issues, or construction methods. The structural engineer's duties are limited to design only and is not a project engineer. Non-structural items such as water and weather protection architectural finishes, railings and life safety requirements are by others.
- g. The site plan & elevation provided is for information only and is not part of the engineered design. The existing site plan from the 2015 permit set by Jake's Drafting was used. No surveying or locating was performed by the structural engineer. The location of of the new wall that is shown is per the General Contractor.

CONCRETE

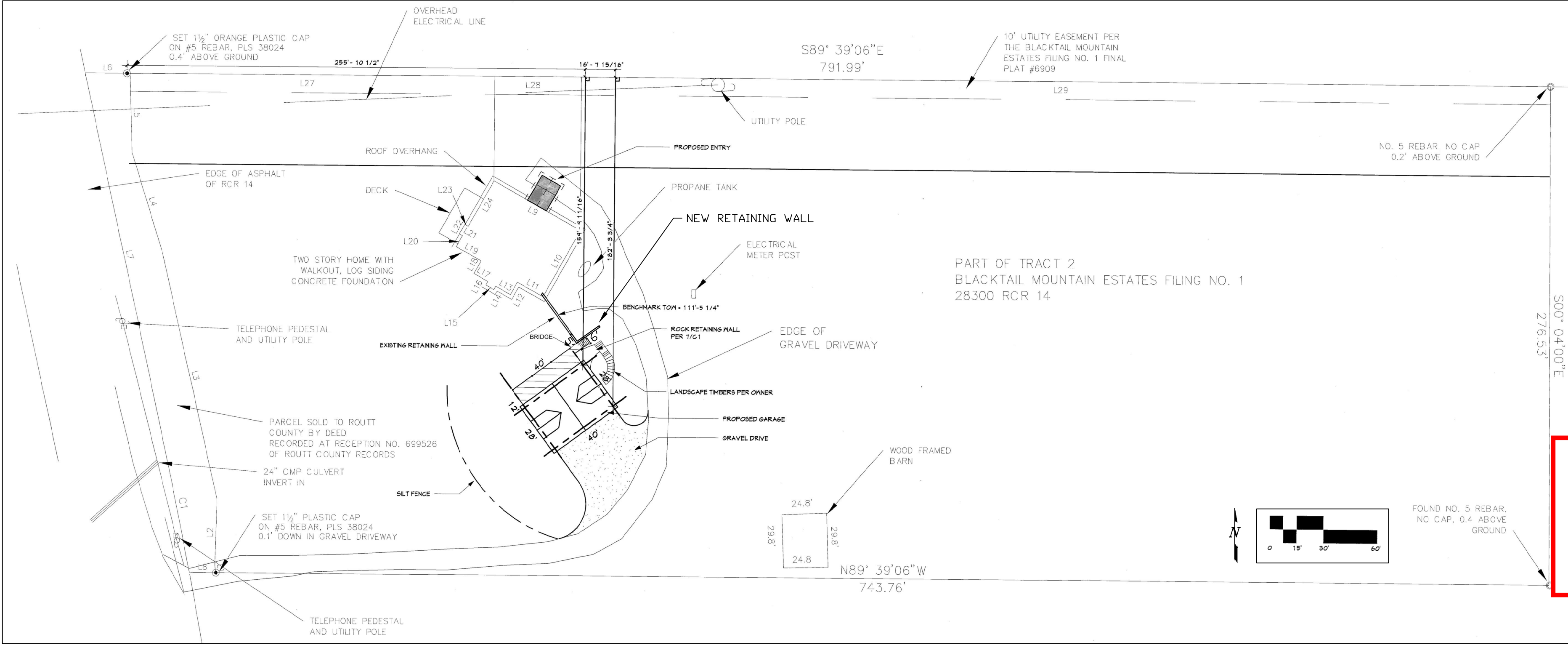
- a. Concrete to have a minimum compressive strength of 3000 psi and be reinforced with Grade 60 bar except as noted on drawing.
- b. All bars continuous unless noted. Additional lap splices permitted with written approval only.  
All splices to be a minimum of 38 bar diameters.

BACKFILLING

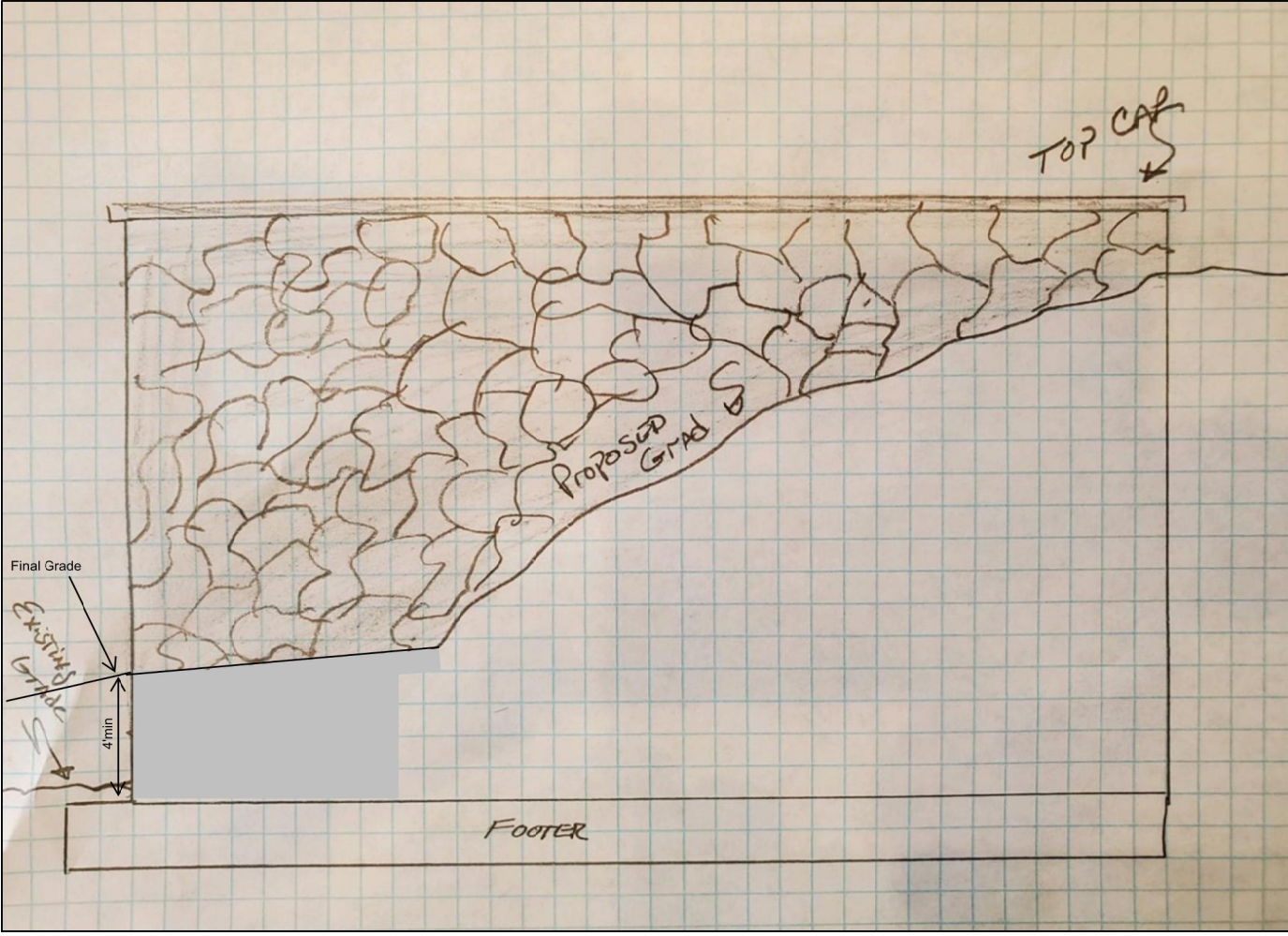
- a. Do not backfill against basement or retaining walls until supporting slabs and floor framing are in place and securely anchored.

GENERAL

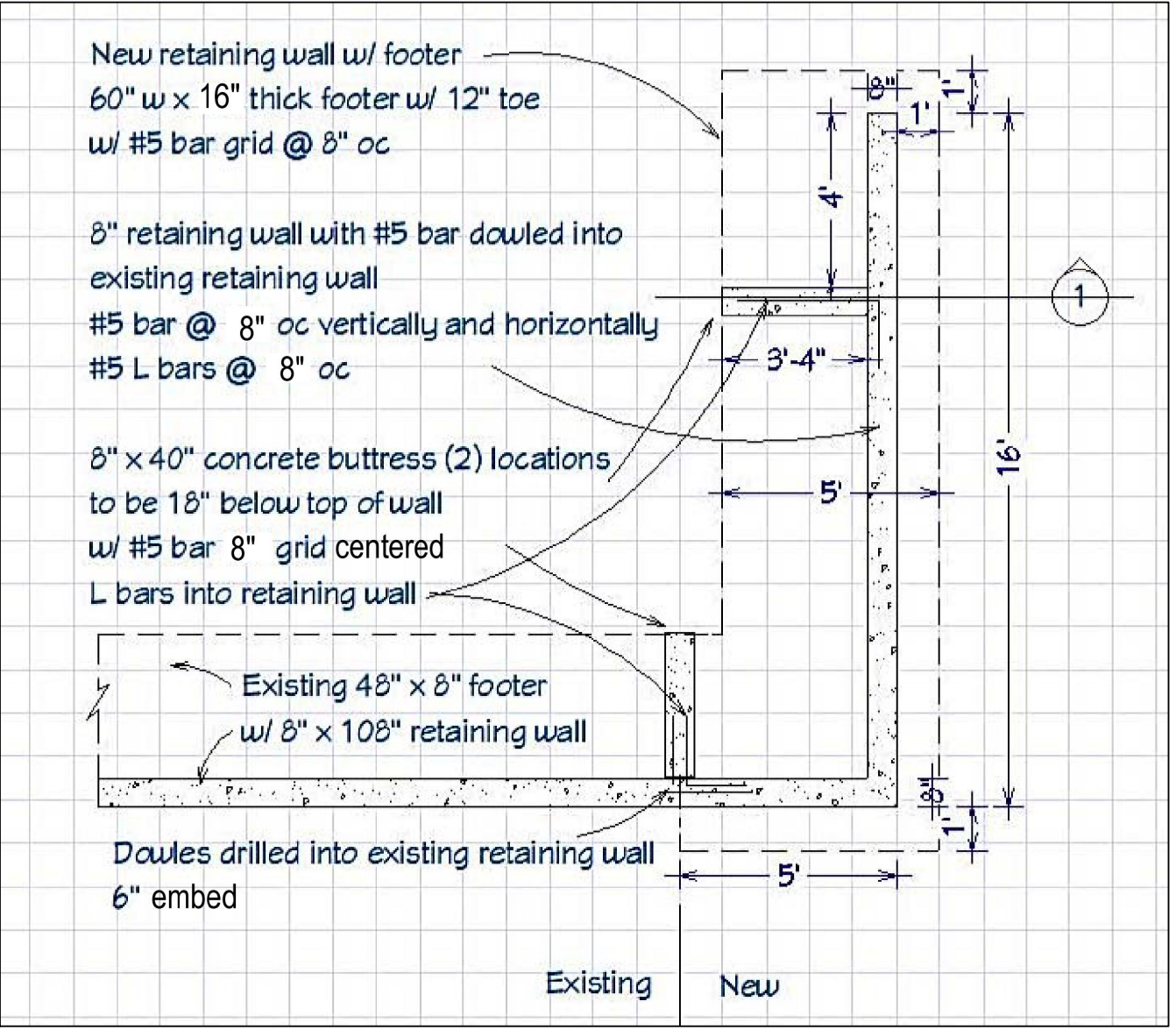
The contract structural drawings and specifications represent the finished structure. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not be limited to bracing and shoring for loads due to excavation, sliding soil, or construction equipment. Observation visits to the site by the design professionals shall not include inspection of the above items, nor will the design professionals be responsible for the contractor's means, methods, techniques, sequences for procedure of construction, or the safety precautions and the programs incident thereto.



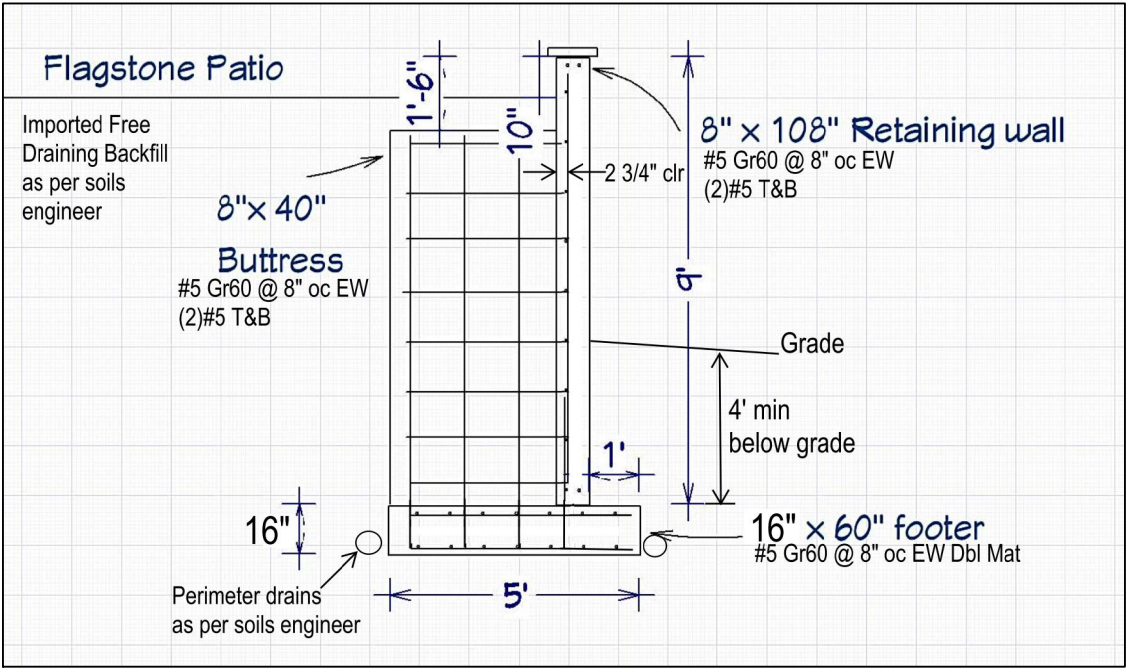
SITE PLAN  
1"=40'



ELEVATION  
3/8"=1'



PLAN  
1/4"=1'



WALL SECTION @ BUTRESS  
1/4"=1'

RCRBD Record Set  
T.A.

09/29/2020

9-3-2020

STRUCTURAL PLANS FOR  
MILES RETAINING WALL  
28300 CR 14  
ROUTT COUNTY, CO

MICHAEL EHRLICH  
STRUCTURAL ENGINEERING INC  
6700279-3666  
PO BOX 72388 STEAMBOAT SPRINGS CO



S1

DO NOT SCALE