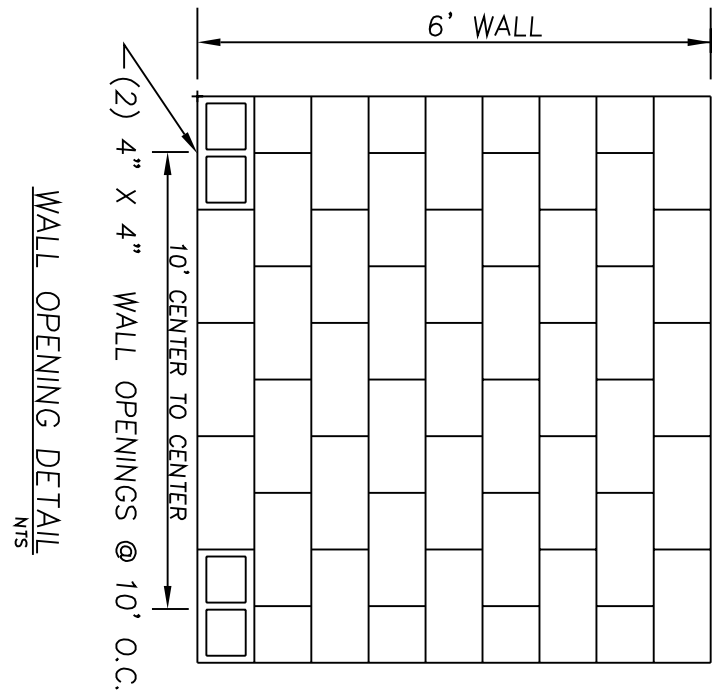


NOTE:
ALL MECHANICAL EQUIPMENT INCLUDING: HVAC COMPRESSORS, VACUUM SYSTEMS, WATER SOFTENERS, ELECTRICAL SYSTEMS, ETC. MUST BE SET AT LEAST 10' FROM THE PROPERTY LINE. THIS ALSO APPLIES TO PLACING COMPRESSOR UNITS. COMPRESSOR UNITS MUST BE INSTALLED AT LOCATIONS AS TO RAISE THE COMPRESSOR TO MEET THIS CRITERIA.



WALL/FENCE CALCULATIONS

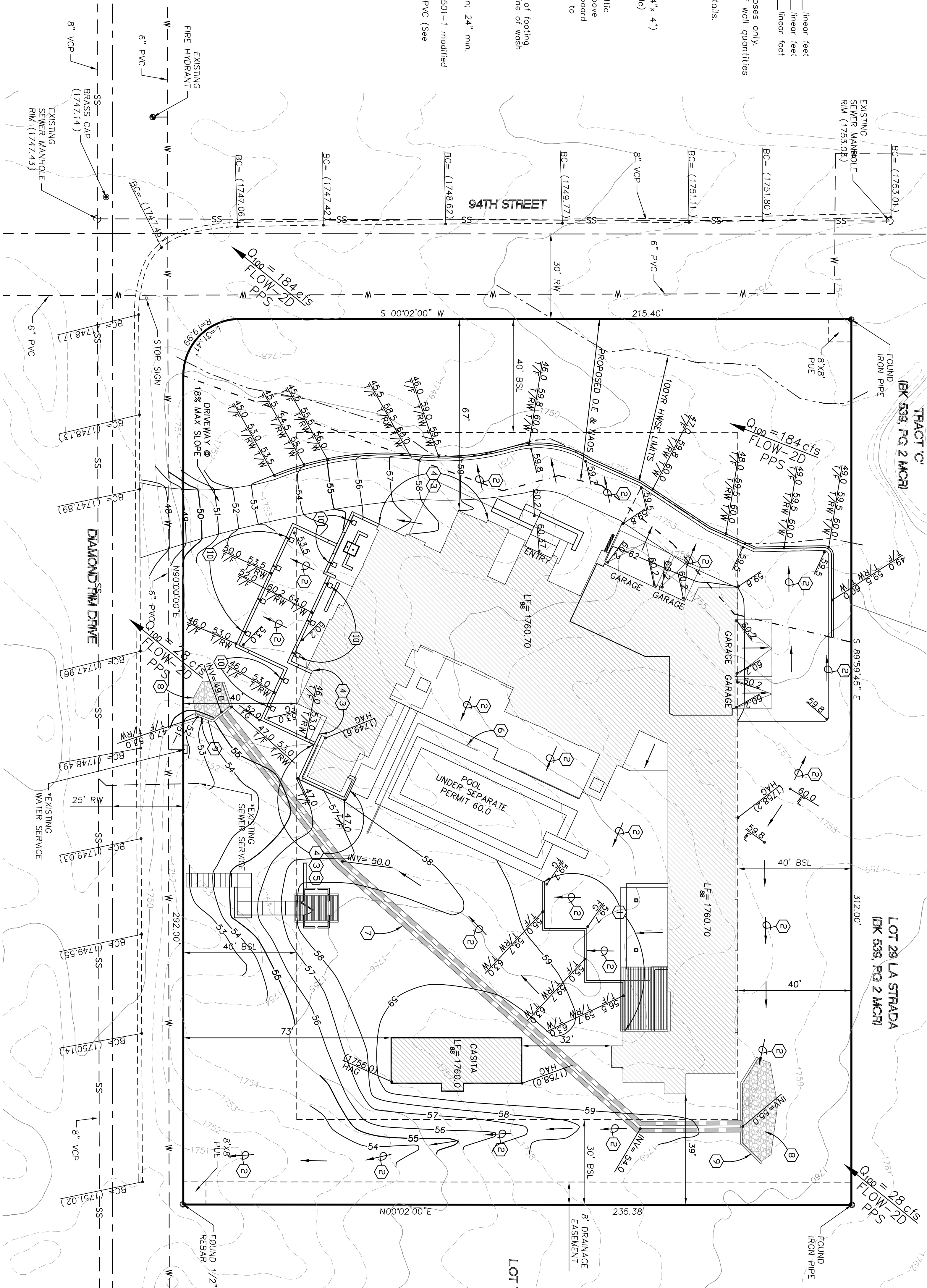
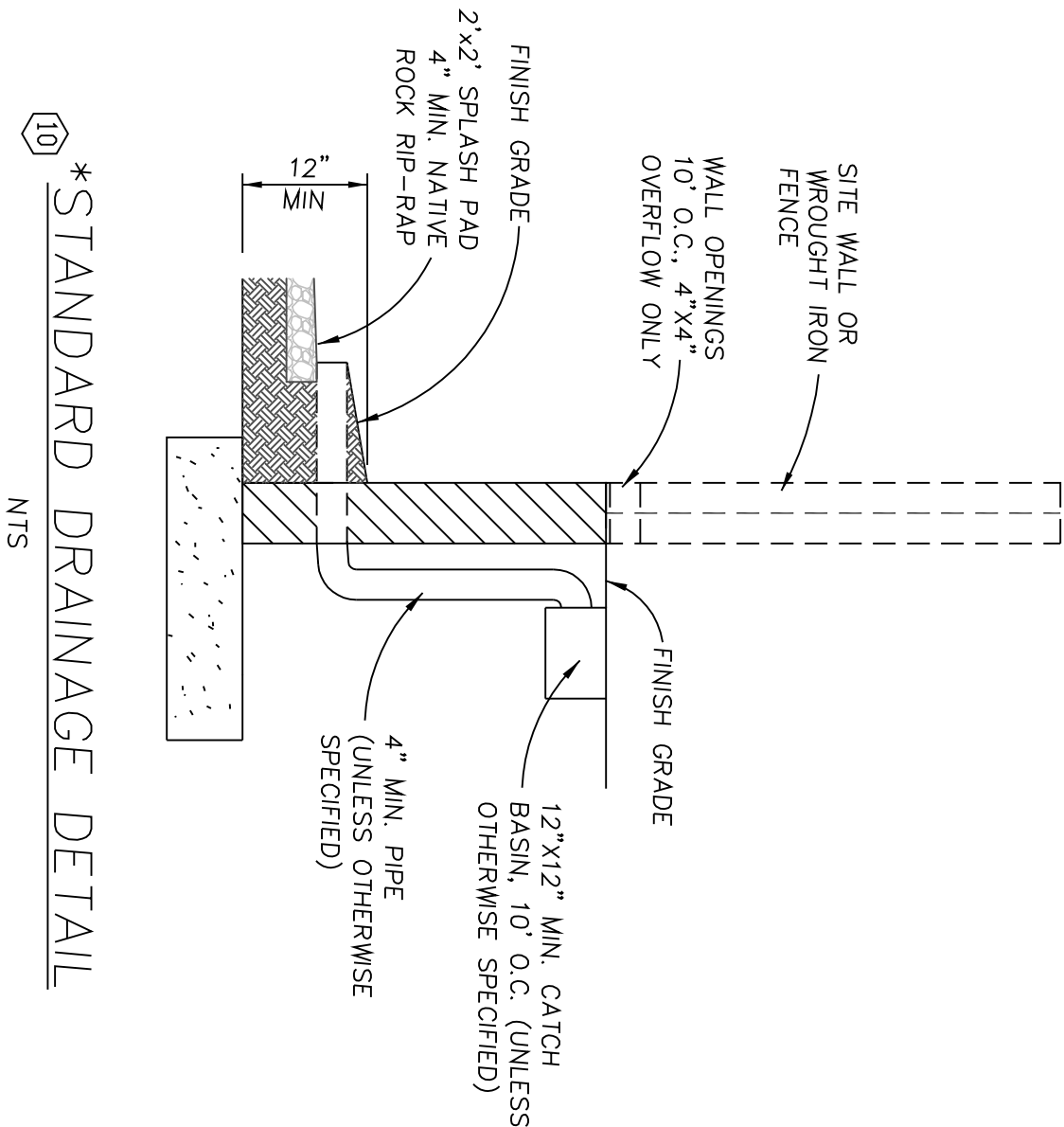
Linear footage of fences (non-retaining): 39 linear feet
Linear footage of retaining walls (w/out fences): 361 linear feet
Linear footage of retaining walls with fences on top: 408 linear feet

NOTE: Wall lengths shown above are for permitting purposes only. Contractor/Owner is responsible for verifying accuracy of wall quantities as shown.

Refer to architectural drawings for site retaining wall details.
See sheet

CONSTRUCTION NOTES

- 1 Construct wall openings 10' o.c. (2) 4" x 4" (Inverts to be level with adjacent grade)
- 2 Grade to drain
- 3 Waterproof walls with emulsified asphaltic coating to a minimum of one foot above outside grade and place 1/4" batter board from foundation to backfill grade level to protect waterproofing while backfilling.
- 4 Construct extended stem wall
- 5 Construct extended stemwall with top of footing a minimum of 3' below adjacent flowline of wash
- 6 Install 2" wide deck drain w/ 4" PVC
- 7 Install 2-18" HDPE
- 8 Install native rock rip-rap, d50=8" min; 24" min. depth with filter fabric
- 9 Construct headwall per MAG STD DTL 501-1 modified
- 10 Install 12" x 12" catch basin with 4" PVC (See detail below)



SCG
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REGISTERED PROFESSIONAL ENGINEER
NO. 20887
FRANK BODENBERGER
PE, CIVIL
ARIZONA

GRADING PLAN
LOT 73 PIMA ACRES
9402 EAST DIAMOND RIM DRIVE
SCOTTSDALE, ARIZONA

SHEET 2 OF 2

DATE NOV 2020

ARIZONA
Geotechnical Arizona 871 and Frank have full working days before you begin excavation.
Call 811 or click: Arizona811.com

DESIGNED BY: **73PA**
DRAWN BY: **73PA**
JOB NUMBER: **73PA**