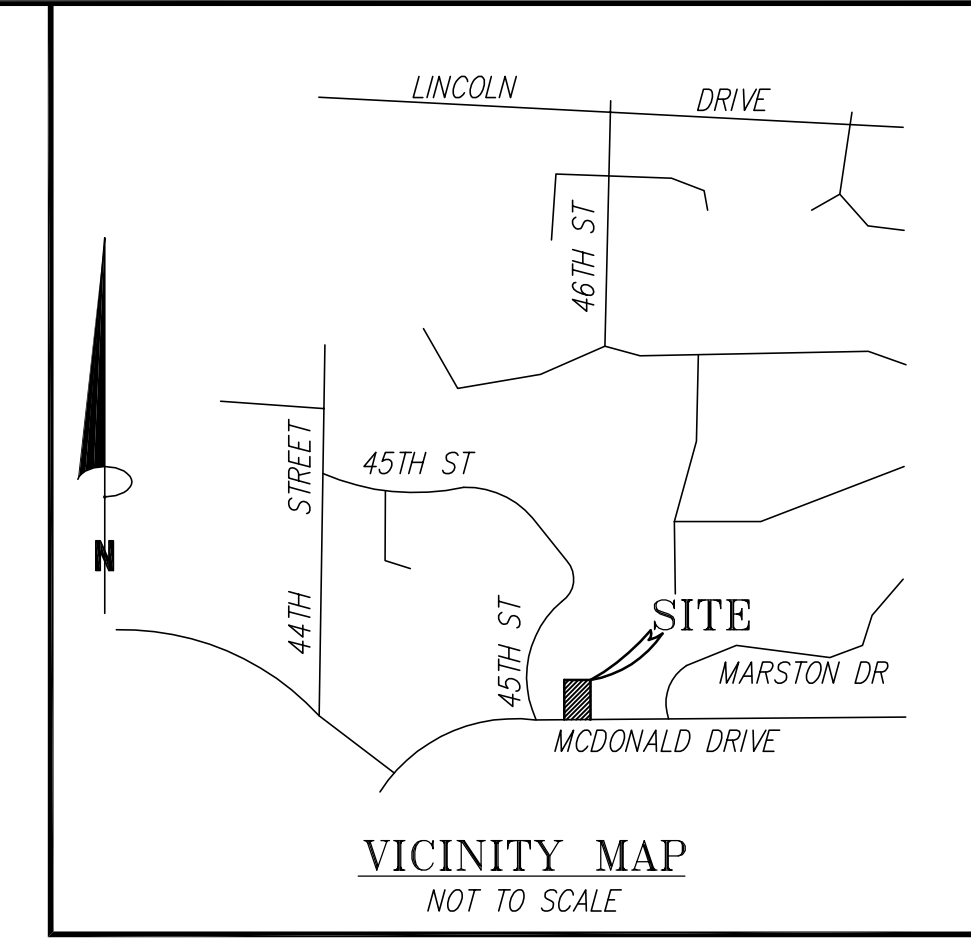
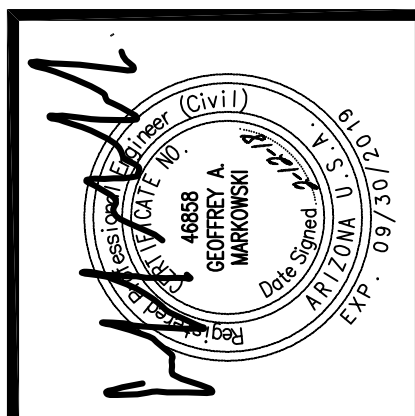


HILLSIDE SLOPE ANALYSIS PLAN FOR 4554 E. McDONALD PARADISE VALLEY, ARIZONA



g-m a r
consulting engineers, llc
18223 west orchid lane
waddell, arizona 85355
e: gm@mar-eng.com ph: 602.524.7877



PROJECT: GARRISS RESIDENCE
4554 E. McDONALD ROAD, PARADISE VALLEY, ARIZONA
OWNER: TRAVIS & KIRA GARRISS
142 W. MACOM DRIVE, CHANDLER, ARIZONA 85286

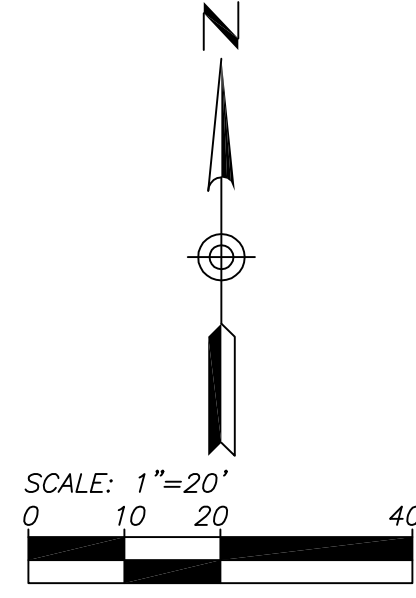
PR	2-12-18	HILLSIDE SUBMITTAL

DATE ISSUED: 31 JAN 18
DRAWN BY: GM
CHECKED BY: GM

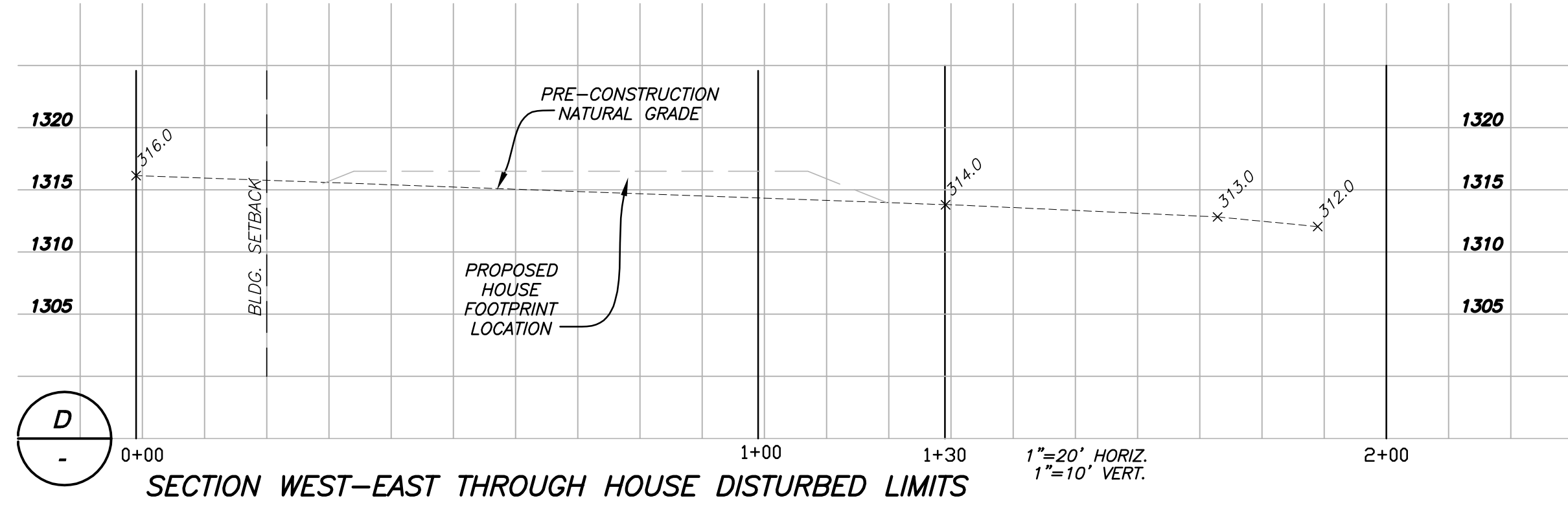
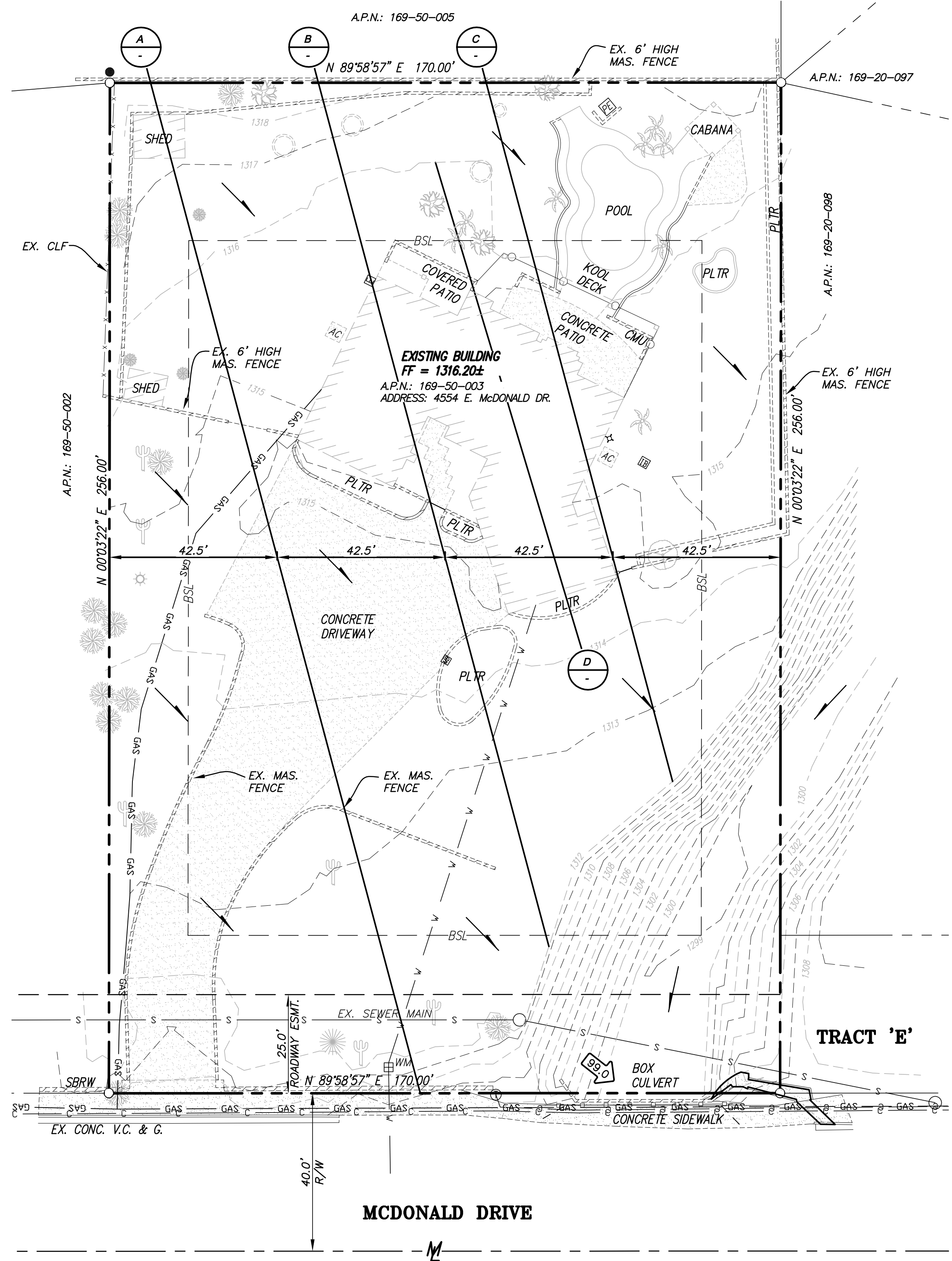
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HILLSIDE
SLOPE ANALYSIS
PLAN

SHEET
C4
OF
1

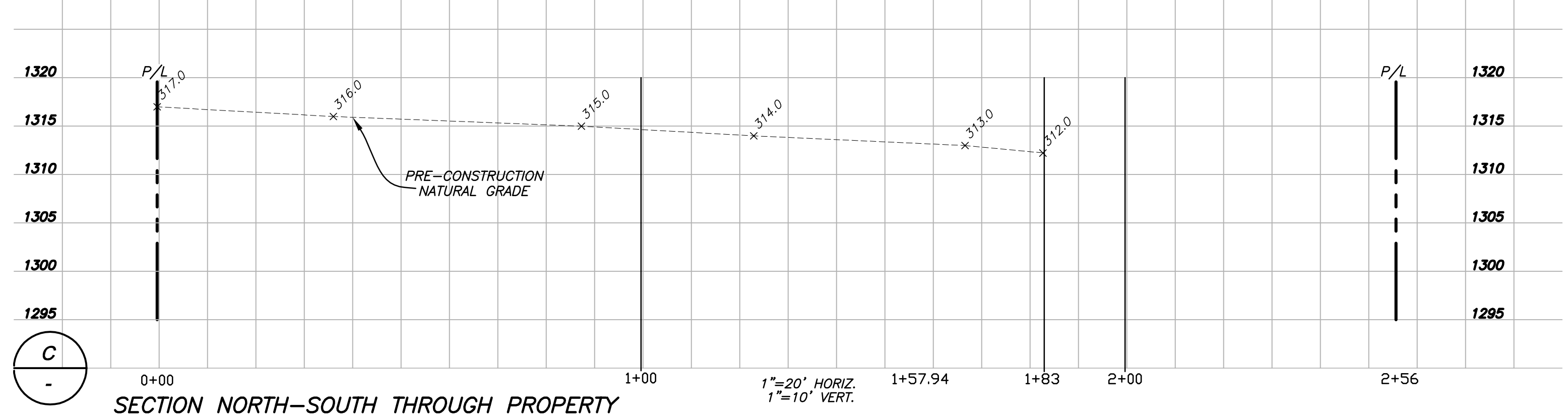
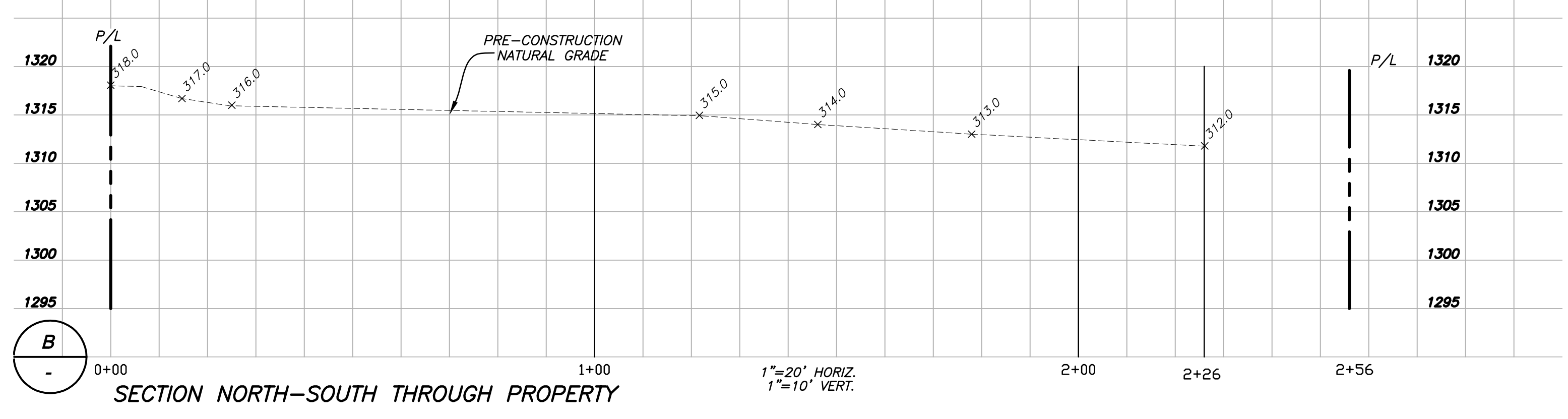
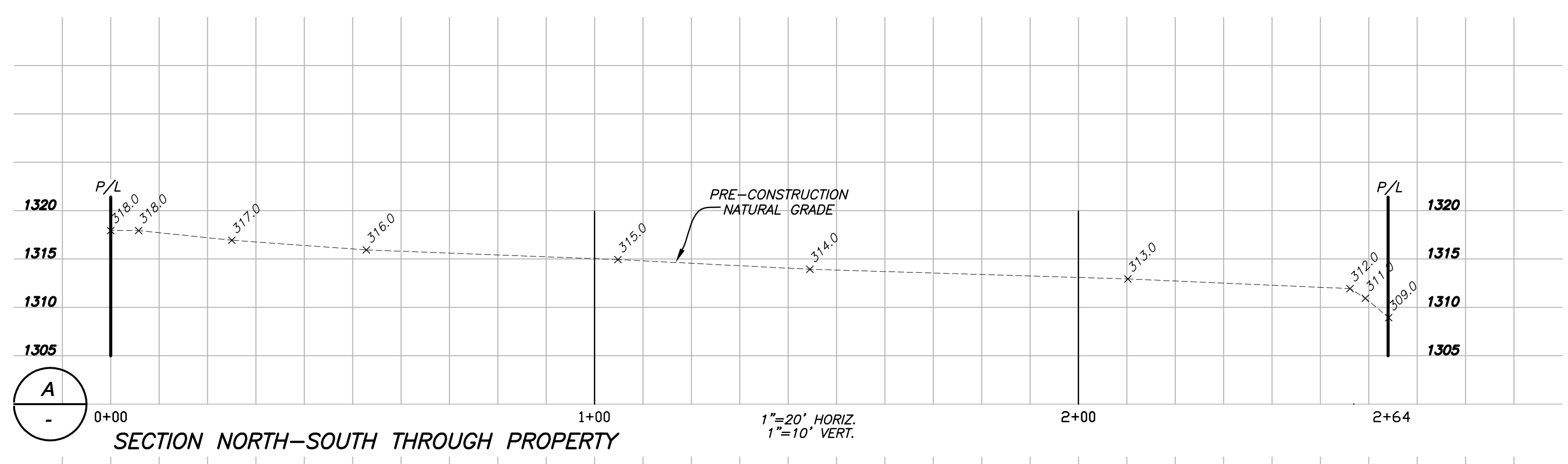
TOWN PERMIT NO.



PRE-CONSTRUCTION NATURAL GRADE SLOPE CALCULATIONS
SLOPE FOR SECTION A = $(1318 - 1309) / 264.0 = 3.4\%$
SLOPE FOR SECTION B = $(1318 - 1312) / 226.0 = 2.65\%$
SLOPE FOR SECTION C = $(1317 - 1312) / 183.0 = 2.73\%$
AVERAGE SLOPE = $(3.4 + 2.65 + 2.73) / 3 = 2.93\% < 10\%$



PRE-CONSTRUCTION NATURAL GRADE SLOPE AT HOUSE
SLOPE FOR SECTION D = $(1316 - 1314) / 130 = 1.54\% < 10\%$
PROPOSED HOUSE FOOTPRINT TO MATCH EXISTING HOUSE ELEVATION.



CALL BEFORE YOU DIG
CALL
811
OR
1-800-263-1100
OR
1-800-STAKE IT
(OUTSIDE MARICOPA COUNTY)

C:\Users\Owner\Desktop\Gm\Projects\2018\18-01-017-00-4554 E. McDonald\Civil\18-01-017-00-C1.dwg Plotted 2/14/18 by Owner