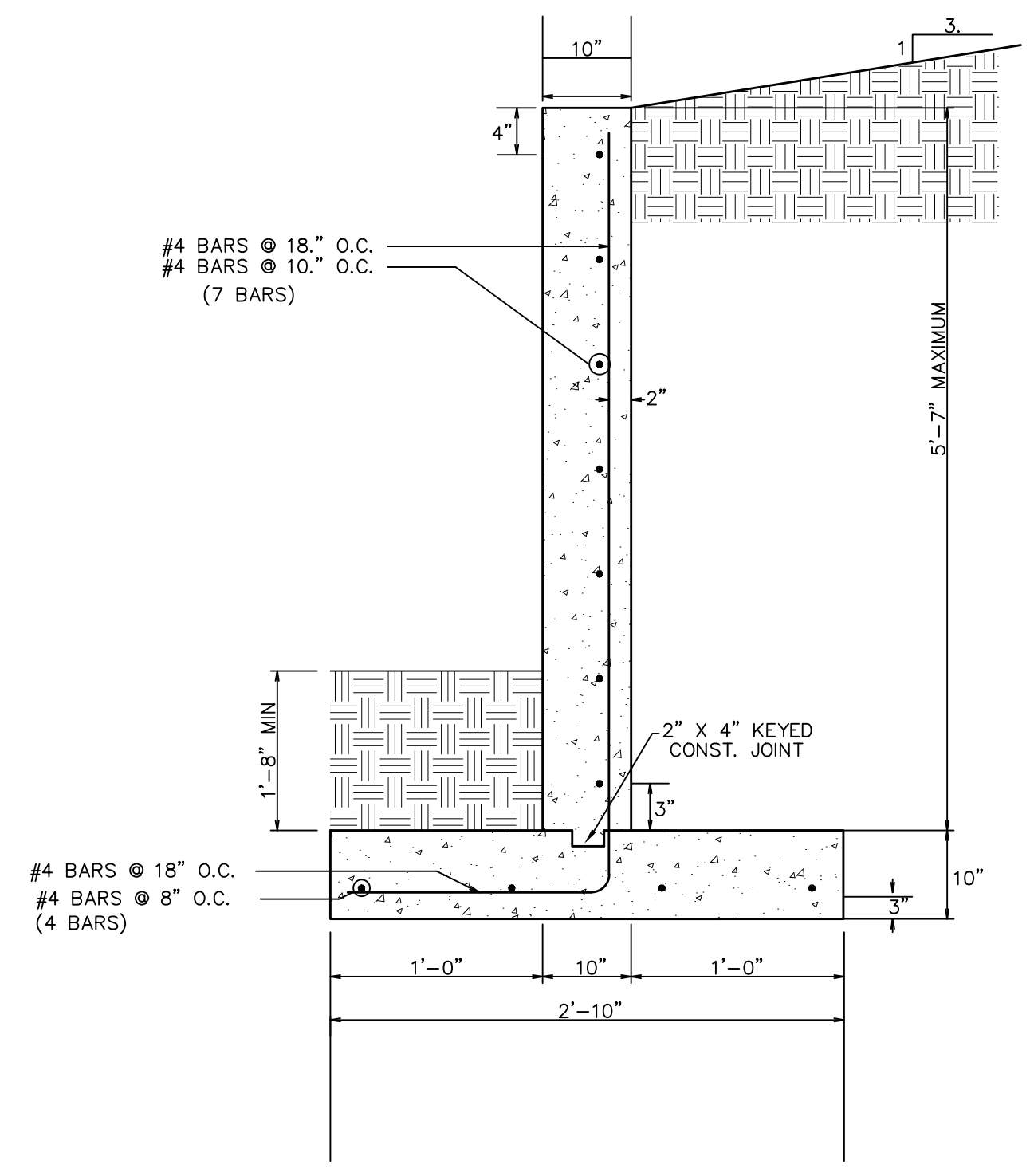
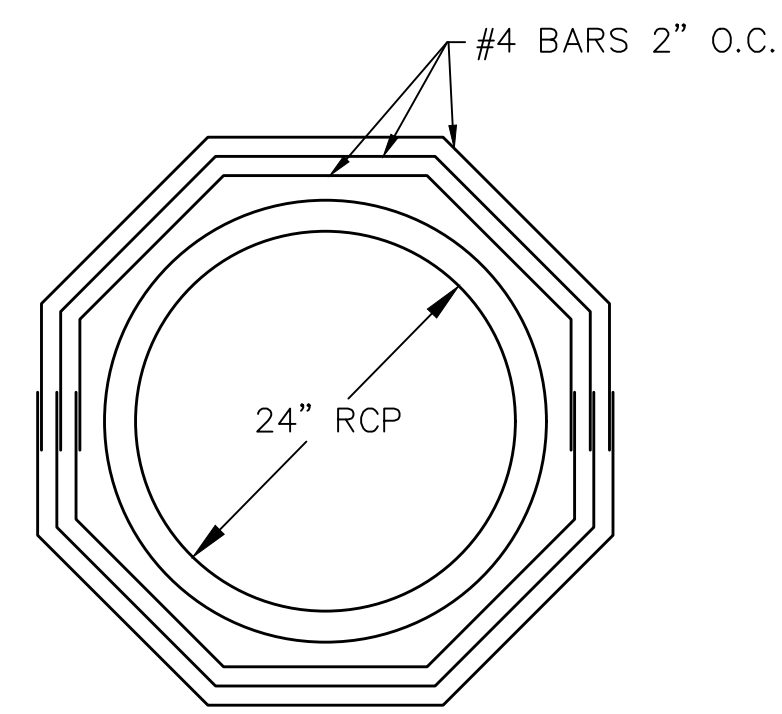


DRAIN TILE DETAIL
NOT TO SCALE



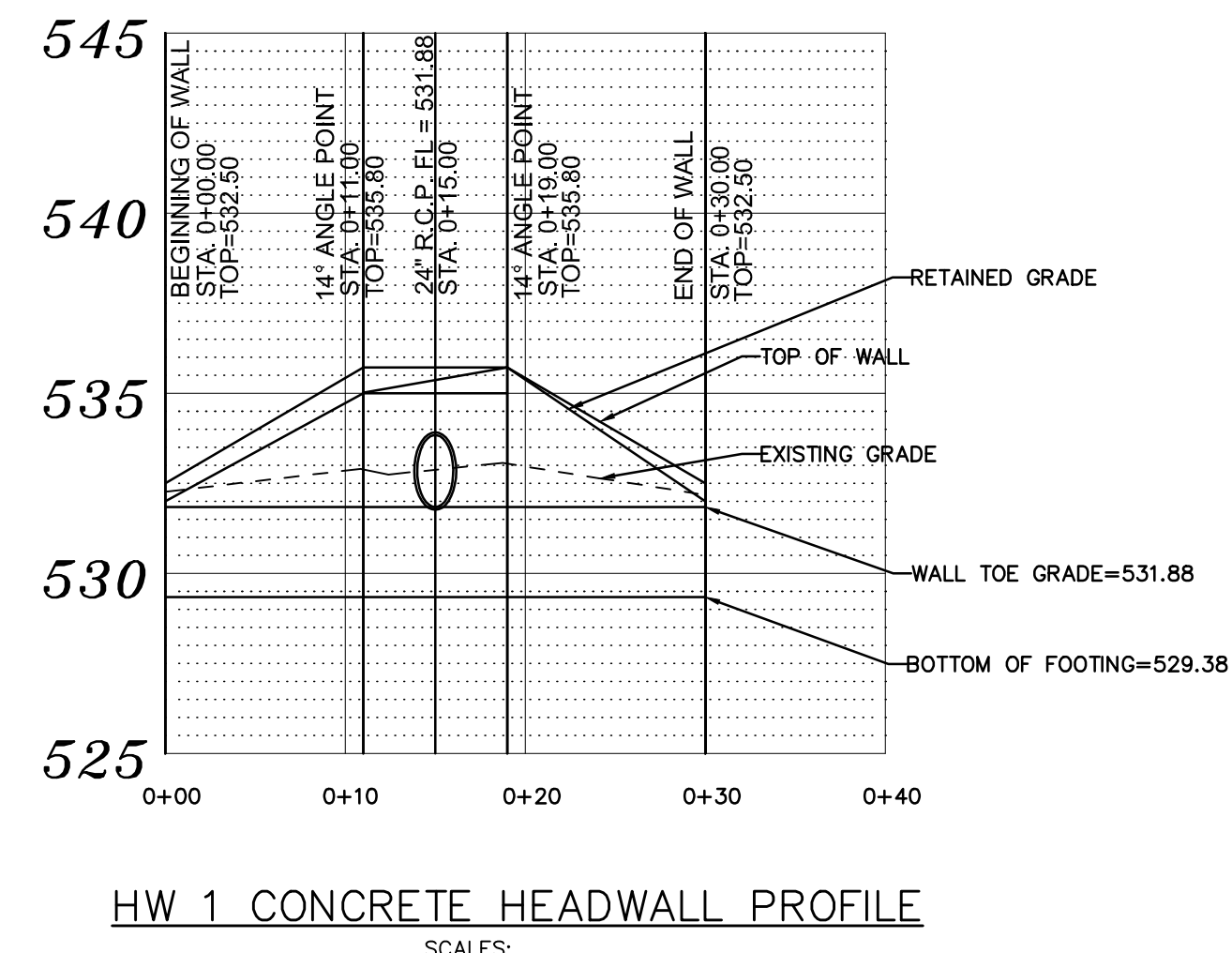
HEADWALL CROSS SECTION
NOT TO SCALE



PIPE REINFORCEMENT
NOT TO SCALE

HEAD WALL GENERAL DETAIL NOTES

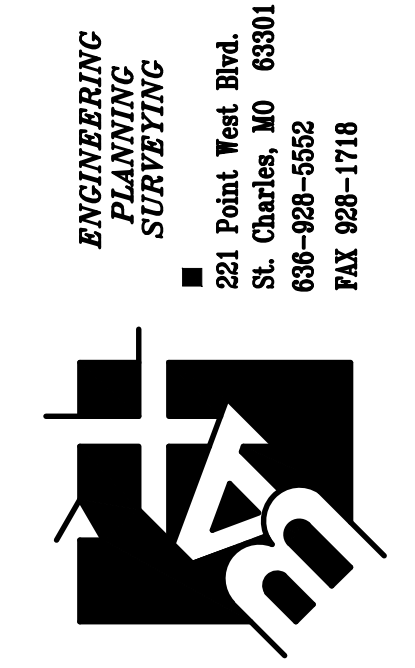
- Concrete $f'_c = 3000$ p.s.i.
- Reinforced steel: Grade 50 (min.) $f_y = 50,000$ p.s.i.
 $f_s = 20,000$ p.s.i. (min.)
- Soil beneath footing to have allowable soil pressure of 2,000 p.s.i. minimum.
- Clear distance for reinforcement: Bottom reinforcement of footings = 3" all other locations = 2"
- Construction joints to be at 20' maximum on center.
- Backfill to be compacted to 90% of maximum density as determined by the "Modified AASHTO T-180 Compaction Test."
- Bottom of footings of reinforced concrete retaining wall shall be minimum of 30" below ground surface.
- Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to any grading or construction of the improvements.
- When stem wall and foundation are poured separately, a 2"x4" keyed construction joint shall be provided between stem wall and foundation.



HW 1 CONCRETE HEADWALL PROFILE

SCALES:
HORIZ. 1"=40'
VERT. 1"=5'

PROJECT TITLE:
ELLA'S PLACE
EMERGE ROAD
CITY OF FALLON
ST. CHARLES COUNTY
MO. 63366
Issue Date: 09/26/2018



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I hereby specify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or projects.



Jeffrey B. Simmons
CIVIL ENGINEER
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REVISIONS	
11/29/18	CITY COMMENTS
01/09/19	CITY COMMENTS
03/22/21	CLIENT COMMENTS
05/05/21	CITY COMMENTS
05/21/21	CITY COMMENTS

Developer / Owner:
Schneider Custom Homes
429 North Main Street
O'Fallon, MO 63366
636-240-0930

CONSTRUCTION DETAILS

P+Z No. #19-007760
Approval Date: 11/05/2020
City No. #