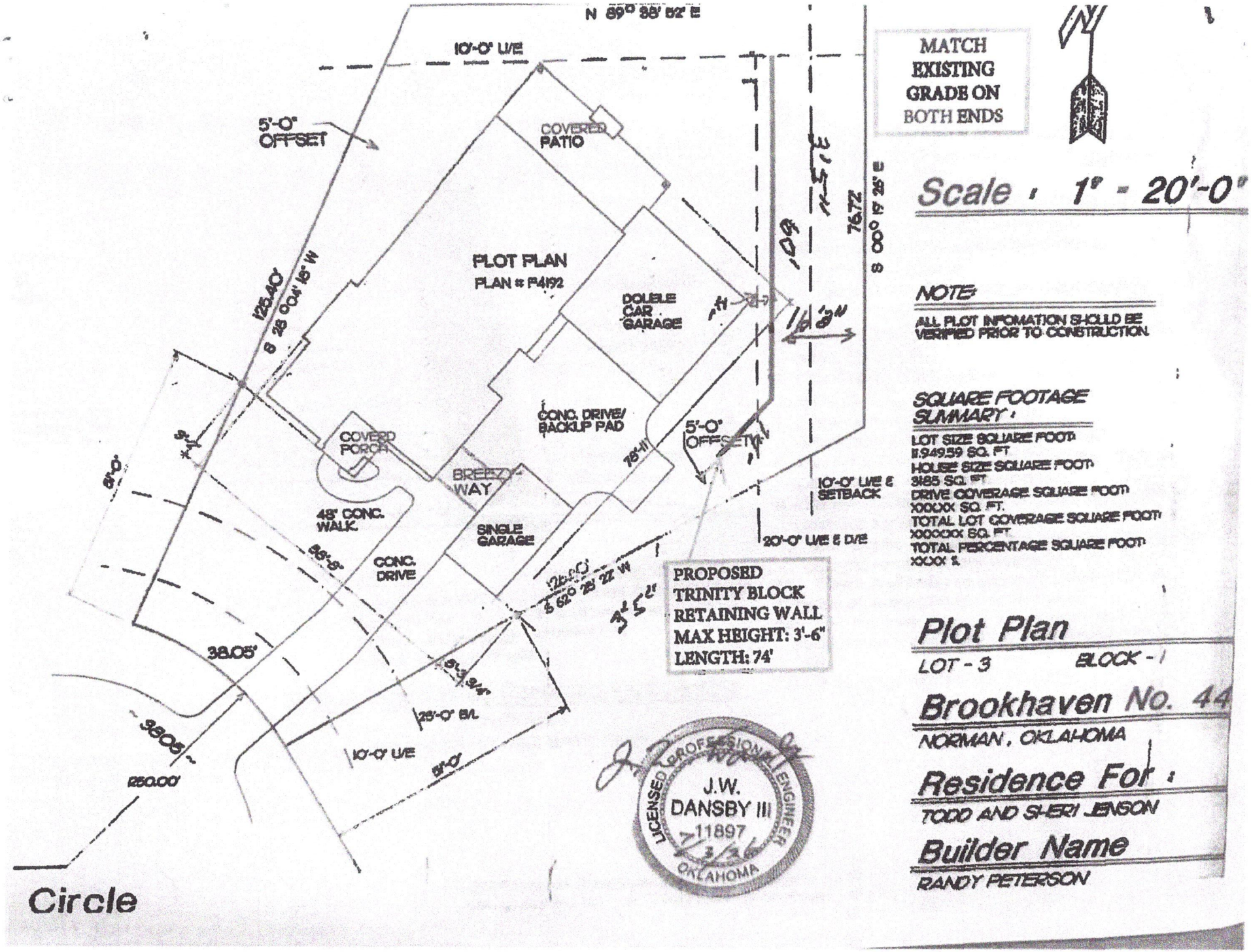
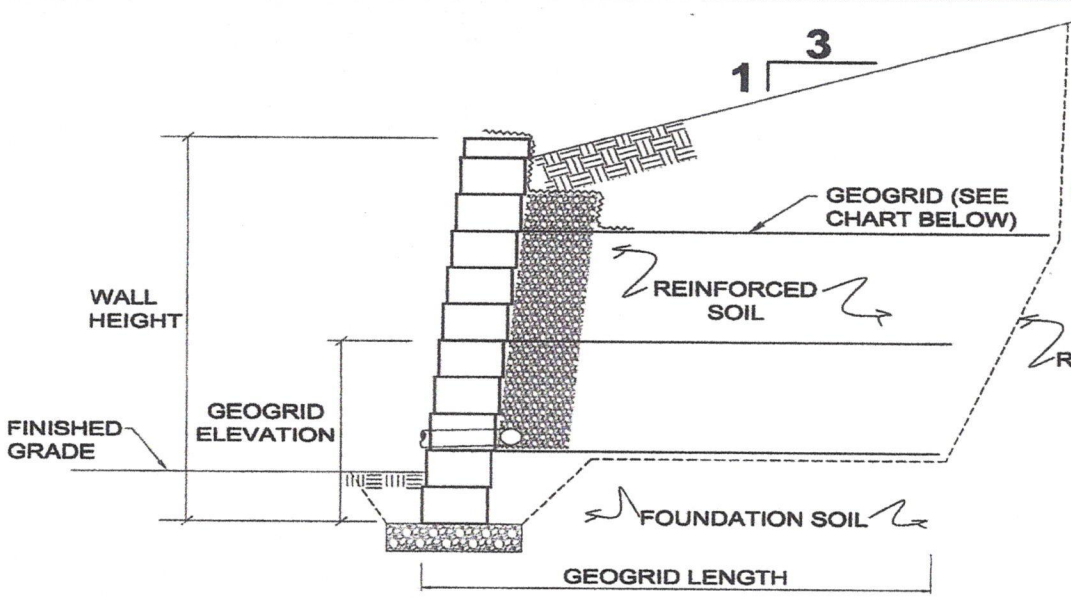
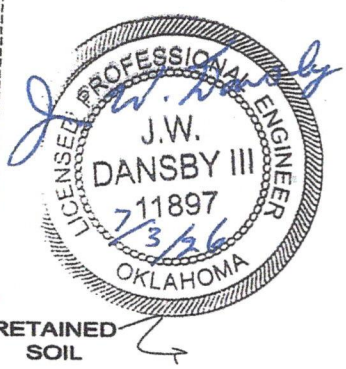

N 89° 38' 52" E
10'-0" U/E
5'-0" OFFSET
COVERED PATIO
PLOT PLAN
PLAN # P4192
DOUBLE CAR GARAGE
CONC. DRIVE/ BACKUP PAD
COVERED PORCH
BREEZE-WAY
SINGLE GARAGE
CONC. DRIVE
48" CONC. WALK
5'-0" OFFSET
10'-0" U/E & SETBACK
20'-0" U/E & D/E
PROPOSED TRINITY BLOCK RETAINING WALL MAX HEIGHT: 3'-6" LENGTH: 74'
MATCH EXISTING GRADE ON BOTH ENDS
Scale : 1" - 20'-0"
NOTE:
ALL PLOT INFOMATION SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.
SQUARE FOOTAGE SUMMARY :
LOT SIZE SQUARE FOOT: 11,949.59 SQ. FT.
HOUSE SIZE SQUARE FOOT: 3185 SQ. FT.
DRIVE COVERAGE SQUARE FOOT: XXXXX SQ. FT.
TOTAL LOT COVERAGE SQUARE FOOT: XXXXXX SQ. FT.
TOTAL PERCENTAGE SQUARE FOOT: XXXX %
Plot Plan
LOT - 3 BLOCK - 1
Brookhaven No. 44
NORMAN, OKLAHOMA
Residence For :
TODD AND SHERI JENSON
Builder Name
RANDY PETERSON
J.W. DANSBY III
11897
LICENSED PROFESSIONAL ENGINEER
OKLAHOMA
Circle

TRINITY WALL SYSTEM
Geogrid Reinforcement Estimating Charts





3:1 Surcharge, γ = 120 PCF

Φ = 28° Silt/Clayey Soils

Wall Height	Grid Elevation	Grid Length
3.0'	1.34	4.0'
4.3'	1.34	4.0'
	3.34	5.0'
5.7'	2.00	5.0'
	4.00	5.5'
7.0'	1.34	5.5'
	3.34	5.5'
	5.34	7.0'
8.3'	0.67	8.0'
	2.67	8.0'
	4.67	8.0'
	6.67	8.0'
9.7'	0.67	9.0'
	2.67	9.0'
	4.67	9.0'
	6.67	9.0'
	8.67	10.0'

Φ = 30° Sandy Soils

Wall Height	Grid Elevation	Grid Length
3.0'	1.34	4.0'
4.3'	1.34	4.0'
	3.34	5.0'
5.7	2.00	4.5'
	4.00	5.5'
7.0'	1.34	4.0'
	3.34	5.0'
	5.34	6.5'
8.3'	0.67	7.0'
	2.67	7.0'
	4.67	7.0'
	6.67	7.5'
9.7'	0.67	7.5'
	2.67	7.5'
	4.67	7.5'
	6.67	7.5'
	8.67	9.0'

Φ = 34° Gravel Soils

Wall Height	Grid Elevation	Grid Length
3.0'	No Geogrid Required	
4.3	1.34	4.0'
	3.34	4.5'
5.7'	2.00	4.0'
	4.00	5.0'
7.0'	1.34	4.0'
	3.34	4.5'
	5.34	6.0'
8.3'	0.67	5.0'
	2.67	5.0'
	4.67	5.5'
	6.67	7.0'
9.7'	0.67	6.0'
	2.67	6.0'
	4.67	6.0'
	6.67	7.0'
	8.67	8.0'

The soils effective friction angle and unit weight as outlined above is assumed to exist in the reinforced, retained, and foundation zones. Geogrid type is HTG 35, Mirafi 3XT, Strate 200 or approved equivalent.

FOR STAMPED FINAL DESIGNS BY A PROFESSIONAL ENGINEER CALL 678.594.3451.

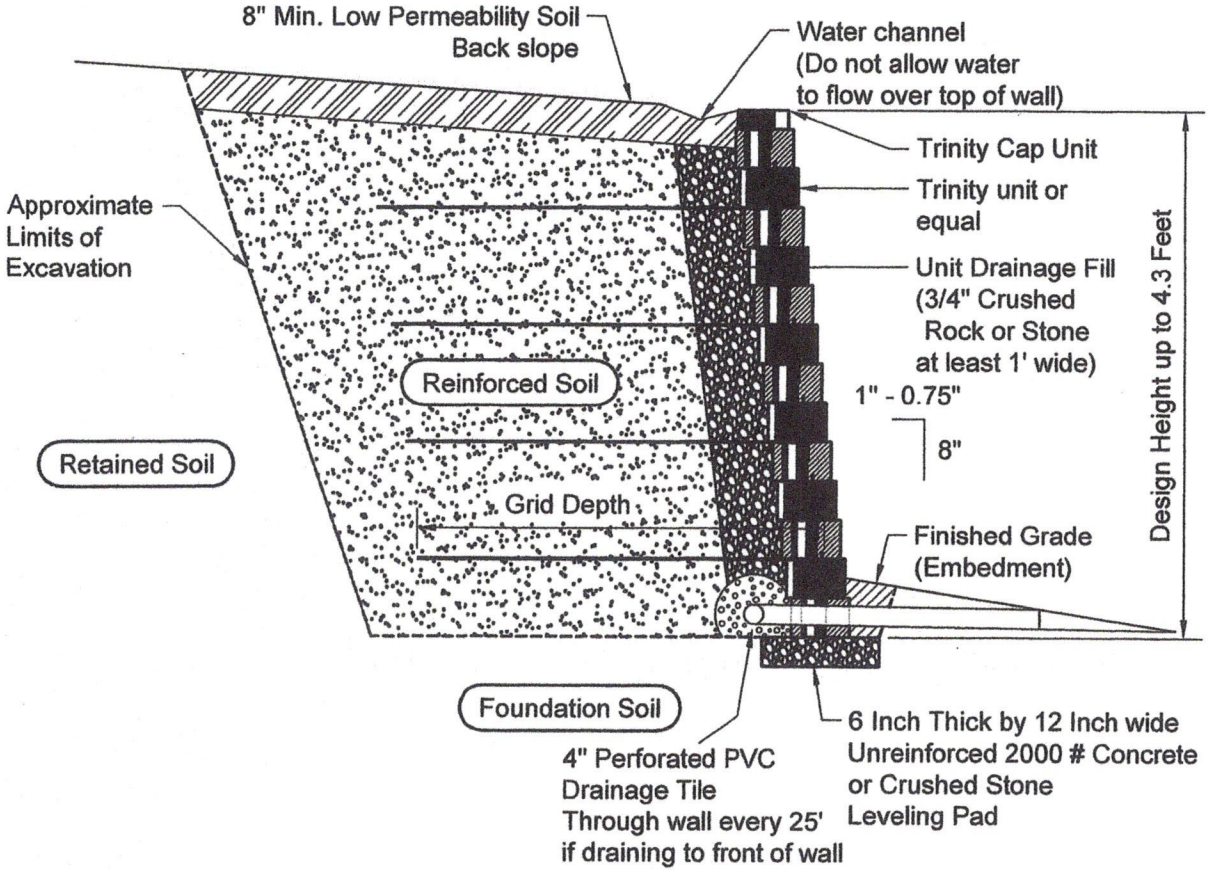
TRINITY
Segmental Block Wall System

Earth Wall Products, LLC
Marietta, Georgia USA
Tel: 678.594.3451
www.earthwallproducts.com

The information contained herein has been compiled by Earth Wall Products, LLC and to the best of our knowledge, accurately represents the Creekside Block product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user. Final structural design and analysis shall be performed by a qualified engineer.

Dansby Engineering PLC
Civil and Environmental Engineers

BROOKHAVEN 44
LOT 3 - BLOCK 1
NORMAN, CLEVELAND COUNTY, OK 73072



Notes:

1. Wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system.
2. Wall Height (H) is the total height from top of the cap to the top of the leveling pad.
3. Minimum wall embedment is 8 inches or H/20, whichever is greater.
4. All backfill materials must be compacted to 95% standard proctor density in 8 inch lifts.
5. Finished grade must provide positive drainage away from wall.
6. This design is for a back slope less than or equal to 3:1
7. Walls less than 2.0 feet tall do not require geosynthetic reinforcement.
8. Walls > 2.0 feet < 3.0 feet tall require 1 layer of geosynthetic reinforcement grid.
9. Walls > 3.0 feet < 4.3 feet require 2 layers of reinforced grid
10. Grid lengths & locations are shown on the attached geogrid reinforcement charts.
11. There shall never be greater than 3 Trinity Units between layers of reinforcement fabric
12. The top layer of reinforcement fabric shall be no deeper than 2 layers of Trinity Units (excluding cap unit).
13. Fill all cores with #57 or #67 stone.

ADDRESS:
3805 BRENTON CIR
NORMAN, OK 73072

CONTRACTOR:
DRAINS-4-RAIN

J.W. Dansby P.E.
OK # 11897
CA# 5351
Proj. # 1518
06 25 2026

Typical Reinforced Retaining Wall Section

TRINITY WALL

NOTE: ALL REINFORCEMENT GRID SHALL BE HTG-35 OR EQUAL.



2202 Westpark Drive Suite B, Norman, Oklahoma 73069
Telephone/Fax: (405) 321-4049 Email: jwdansby@email.com