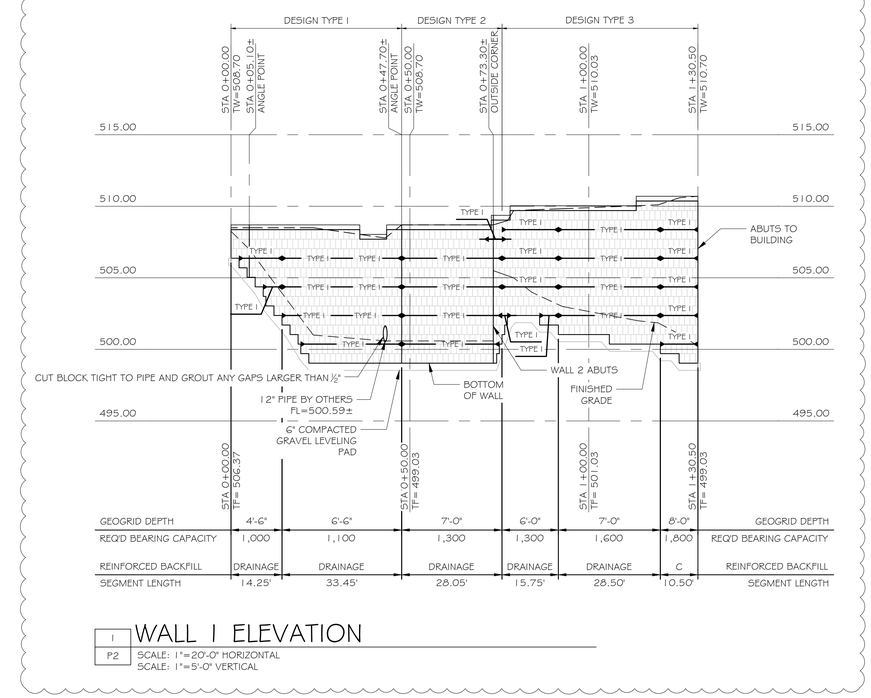
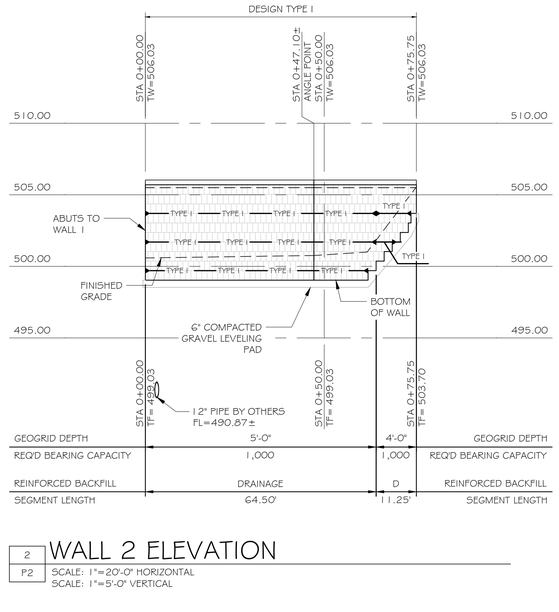


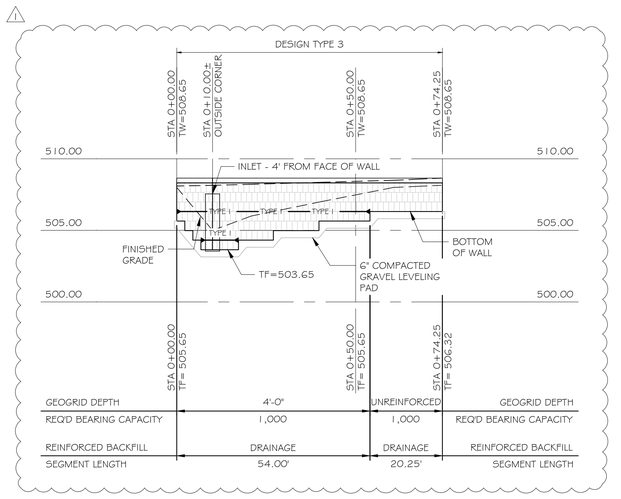

1 P2 **WALL 1 ELEVATION**

SCALE: 1"=20'-0" HORIZONTAL
SCALE: 1"=5'-0" VERTICAL




2 P2 **WALL 2 ELEVATION**

SCALE: 1"=20'-0" HORIZONTAL
SCALE: 1"=5'-0" VERTICAL




3 P2 **WALL 3 ELEVATION**

SCALE: 1"=20'-0" HORIZONTAL
SCALE: 1"=5'-0" VERTICAL

| BLOCK PROPERTIES | |
|---|---|
| BLOCK TYPE | ANCHOR |
| BLOCK STYLE | DIAMOND PRO |

| ASSUMED DESIGN SOIL PARAMETERS | | | | |
|---|---|---|---|---|
| | DESCRIPTION | Φ (DEGREES) | γ (PCF) | c (PSF) |
| FOUNDATION SOIL | LEAN CLAY | 30 | 125 | 144 |
| RETAINED SOIL | LEAN CLAY | 35 | 130 | N/A |
| REINFORCED BACKFILL | VARIES* | 34 | 105 | N/A |

*SEE NOTES FOR ADDITIONAL INFORMATION

**DESIGN TYPE 1**

| WALL PROPERTIES | | | |
|---|---|---|---|
| BACKSLOPE | - | H:V - DEGREES | |
| TOESLOPE | - | H:V - DEGREES | |
| BATTER | 7.13 | DEGREES | |
| SETBACK | 1.0 | INCHES | |
| SURCHARGE | | | |
| DEAD LOAD | 0 | PSF | |
| LIVE LOAD | 100 | PSF | |

**DESIGN TYPE 2**

| WALL PROPERTIES | | | |
|---|---|---|---|
| BACKSLOPE | - | H:V - DEGREES | |
| TOESLOPE | - | H:V - DEGREES | |
| BATTER | 7.13 | DEGREES | |
| SETBACK | 1.0 | INCHES | |
| SURCHARGE | | | |
| DEAD LOAD | 0 | PSF | |
| LIVE LOAD | 250 | PSF | |

250 PSF LIVE LOAD IS LOCATED 6' BEHIND WALL

**DESIGN TYPE 3**

| WALL PROPERTIES | | | |
|---|---|---|---|
| BACKSLOPE | - | H:V - DEGREES | |
| TOESLOPE | - | H:V - DEGREES | |
| BATTER | 7.13 | DEGREES | |
| SETBACK | 1.0 | INCHES | |
| SURCHARGE | | | |
| DEAD LOAD | 0 | PSF | |
| LIVE LOAD | 250 | PSF | |

250 PSF LIVE LOAD IS LOCATED 2' BEHIND WALL

WALL ELEVATION NOTES:

1. GEOGRID DEPTH IS MEASURED FROM THE FRONT FACE OF BLOCK.
2. SEGMENT LENGTH IS THE DISTANCE BETWEEN GRID DEPTH TRANSITIONS
3. REINFORCED BACKFILL
   - 3.1. (D)RAINAGE ROCK, SEE DETAIL 1/D1
   - 3.2. (C)OMPACTED ROCK, SEE DETAIL 2/D1
   - 3.3. (U)NREINFORCED. SEE DETAIL 7/D2
4. REQ'D BEARING CAPACITY IS IN PSF
5. ANGLE POINTS MAY BE CONSTRUCTED AS RADII.

STORM PIPES, STORM STRUCTURES, LIGHT POLES BASES, ETC ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED ON THE INFORMATION SHOWN ON THE PROJECT CIVIL PLANS REFERENCED IN GENERAL NOTE 1.4. REFER TO CURRENT PROJECT CIVIL PLANS FOR ALL SPECIFIC INFORMATION INCLUDING BUT NOT LIMITED TO SIZE AND LOCATION.

STRUCTURAL DESIGN HEREIN REPRESENTS A FINISHED STRUCTURE. THE GENERAL CONTRACTOR/OWNER SHALL PROVIDE ALL INTERIM BRACING, SHORING, INTERIM DRAINAGE PROVISIONS, DRAINAGE DIVERSION AND EROSION PROTECTION REQUIRED UNTIL FINAL CAPPING, PAVING, CURBING AND COMPLETION OF FINAL STORM DRAIN SYSTEM IS COMPLETE.



| REV | DATE | DESCRIPTION |
|---|---|---|
| 3 | 7-13-23 | NO CHANGES THIS SHEET |
| 2 | 6-28-23 | NO CHANGES THIS SHEET |
| 1 | 5-9-23 | DESIGN REVISION - PCO 2 |

ROSCH ENGINEERING
18390 WINGS CORPORATE DRIVE
CHESTERFIELD, MO 63005
PHONE: 636-519-7770
FAX: 636-532-7773
MO CERTIFICATE OF AUTHORITY #E-2012039663

# DOLLAR GENERAL
# O'FALLON, MO
## RETAINING WALL ELEVATIONS

STATE OF MISSOURI
BRIAN SCHALLER
NUMBER E-28703
PROFESSIONAL ENGINEER
3-27-23

| | |
|---|---|
| DESIGNED: | BCS |
| DRAWN: | JTM |
| DESIGN ENGINEER: | ECS |
| REVIEWED: | BCS |
| DATE: | 3-27-23 |
| JOB NO.: | 22-1048 |
| SHEET: | P2 |