

PLOTTED: Friday, June 19, 2026 03:13PM

SUPPLIER – SILVERDALE QUALITY STONE
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**NOTE: STONE SHALL BE CUT TO SIZE BY SUPPLIER PRIOR TO BEING DELIVERED TO SITE.

FACE SURFACE FINISH
EXPOSED WALL SURFACE SHALL HAVE A DRESSED STONE FINISH. FACES SHALL BE ABSENT EVIDENCE OF DRILL SPLIT MARKS. A MOCKUP SECTION WILL BE REQUIRED PRIOR TO COMMENCEMENT OF WORK.

TOP STONE ROW FINISH
ABUTTED STONE TOP JOINTS (VIEWED FROM ABOVE) SHALL BE NO MORE THAN
1" MAX. CHISEL/SAW CUT EDGES AS NECESSARY.

COURSE OF ALL WALLS SHALL BE 18" MIN., BATTERING DOWN TO A BASE COURSE MIN. WIDTH OF 2' OR ONE HALF THE HEIGHT OF THE WALL, WHICHEVER IS GREATER. FIRST STONE COURSE SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE.

TW=SEE GRADING PLAN

1356.6

2" MIN.

NORMAL POOL=SEE GRADING PLAN

FG=SEE GRADING PLAN

18" MIN. WIDTH TOP ROW. FRONT AND BACK EXPOSED FACES SHALL BE SPLIT PARALLEL

FINISH GRADE

MIRAFI NON-WOVEN GEOSYNTHETIC FILTER FABRIC 140N, PLACE BETWEEN VERTICAL JOINTS/VOIDS

12" MIN.

BACKFILL QUARRY BLOCK w/ CLEAN WASHED 1" GRAVEL

CLAY LINER

START BASE COURSE 12" BELOW FINISHED GRADE - SEE GRADING PLAN FOR ELEV.

6" CRUSHED ROCK (AB3) LEVELING PAD BELOW QUARRY BLOCK (OPTIONAL)

COMPACTED CLAY LINER (@SHELF) TO A MIN. OF 95% PROCTOR DENSITY

EXISTING SUBGRADE

BASE COURSE (SEE NOTE)

1'-0" MIN.

3'-0"

3:1

1'-6"

1

6

18"-24" MIN. DEPTH TOP ROW

1
6

TW=SEE GRADING PLAN

NORMAL POOL=SEE GRADING PLAN

HEAD WALL

4'x8' BOX CULVERT

FINISH GRADE

COMPACT UPPER 8" OF EXISTING SUB-GRADE (@SHELF) TO A MIN. OF 95% PROCTOR DENSITY

BACKFILL QUARRY BLOCK w/ CLEAN WASHED 1" GRAVEL

COMPACT UPPER 8" OF EXISTING SUB-GRADE (@SHELF) TO A MIN. OF 95% PROCTOR DENSITY

EXISTING SUBGRADE

MIRAFI NON-WOVEN GEOSYNTHETIC FILTER FABRIC 140N, PLACE BETWEEN VERTICAL JOINTS/VOIDS

CLAY LINER

RIPRAP

18"

4'-0" MIN. WIDTH

14"

12" MIN. OVERLAP

TW=SEE GRADING PLAN

FG=SEE GRADING PLAN

START BASE COURSE 12" BELOW FINISHED GRADE - SEE GRADING PLAN FOR ELEV.

3 $3/8" = 1'-0"$

Diagram illustrating the cross-section of a retaining wall structure, showing the wall face, backfill, and foundation details.

Wall Face Details:

- 18" MIN. WIDTH TOP ROW. FRONT AND BACK EXPOSED FACES SHALL BE SPLIT PARALLEL.
- FINISH GRADE
- MIRAFI NON-WOVEN GEOSYNTHETIC FILTER FABRIC 140N, PLACE BETWEEN VERTICAL JOINTS/VOIDS
- 12" MIN. (spacing between filter fabric layers)

Backfill and Foundation Details:

- BACKFILL QUARRY BLOCK w/ CLEAN WASHED 1" GRAVEL
- START BASE COURSE 12" BELOW FINISHED GRADE - SEE GRADING PLAN FOR ELEV.
- 6" CRUSHED ROCK (AB3) LEVELING PAD BELOW QUARRY BLOCK (OPTIONAL)
- COMPACT UPPER 8" OF EXISTING SUB-GRADE (@SHELF) TO A MIN. OF 95% PROCTOR DENSITY
- EXISTING SUBGRADE
- BASE COURSE (SEE NOTE)

Grading and Slope Details:

- TOPSOIL
- 2" MIN. (thickness of topsoil)
- 1 (slope indicator)
- 6 (slope indicator)
- TW=SEE GRADING PLAN
- FG=SEE GRADING PLAN

General Note:

THICKNESS OF ALL WALLS SHALL BE 18" MIN., TAPERING DOWN TO A BASE COURSE MIN. THICKNESS OF 2' OR ONE HALF THE HEIGHT OF WALL, WHICHEVER IS GREATER. FIRST BASE COURSE SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE.

18"-24" MIN. DEPTH TOP ROW

1

6

FINISH GRADE

MIRAFI NON-WOVEN GEOSYNTHETIC FILTER FABRIC 140N, PLACE BETWEEN VERTICAL JOINTS/VOIDS

BACKFILL QUARRY BLOCK w/ CLEAN WASHED 1" GRAVEL

6" CRUSHED ROCK (AB3) LEVELING PAD BELOW QUARRY BLOCK

COMPACT UPPER 8" OF EXISTING SUB-GRADE (@SHELF) TO A MIN. OF 95% PROCTOR DENSITY

EXISTING SUBGRADE

CLAY LINER

RIPRAP

4'x8' BOX CULVERT

2" MIN.

HEAD WALL

NORMAL POOL=SEE GRADING PLAN

TW=SEE GRADING PLAN

18"-24" MIN. DEPTH TOP ROW

FINISH GRADE

MIRAFIT NON-WOVEN GEOSYNTHETIC FILTER 140N, PLACE BETWEEN VERTICAL JOINTS/ROWS

12" MIN.

BACKFILL QUARRY BLOCK w/ CLEAN WASHED 1" GRAVEL

START BASE COURSE 12" BELOW FINISHED GRADE - SEE GRADING PLAN FOR ELEV.

6" CRUSHED ROCK (AB3) LEVELING PAD BELOW QUARRY BLOCK (OPTIONAL)

COMPACT UPPER 8" OF EXISTING SUB-GRADE (@SHELF) TO A MIN. OF 95% PROCTOR DENSITY

EXISTING SUBGRADE

BASE COURSE (SEE NOTE)

2" MIN.

TOPSOIL

TW=SEE GRADING PLAN

FG=SEE GRADING PLAN

1

6

NOTE: THE STONE WALL WIDTH @ THE TOP COURSE OF ALL WALLS SHALL BE 18" MIN., BATTERING DOWN TO A BASE COURSE MIN. WIDTH OF 2' OR ONE HALF THE HEIGHT OF THE WALL, WHICHEVER IS GREATER. FIRST STONE COURSE SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE

6 $3/8" = 1'-0"$



PHASE 1 - STORM WATER DRAINAGE #549 TO SERVE
COURTYARDS AT JACOBS FARM
SECOND ADDITION
WICHITA, KS

GRADING DETAILS
(2 OF 3)

PROJECT NO.
458-2025-0856

SCALE AS SHOWN

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

0	ISSUED FOR CONSTRUCTION	08/10
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NO.	REVISION	DATE
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SHEET NO.

C-502-G01