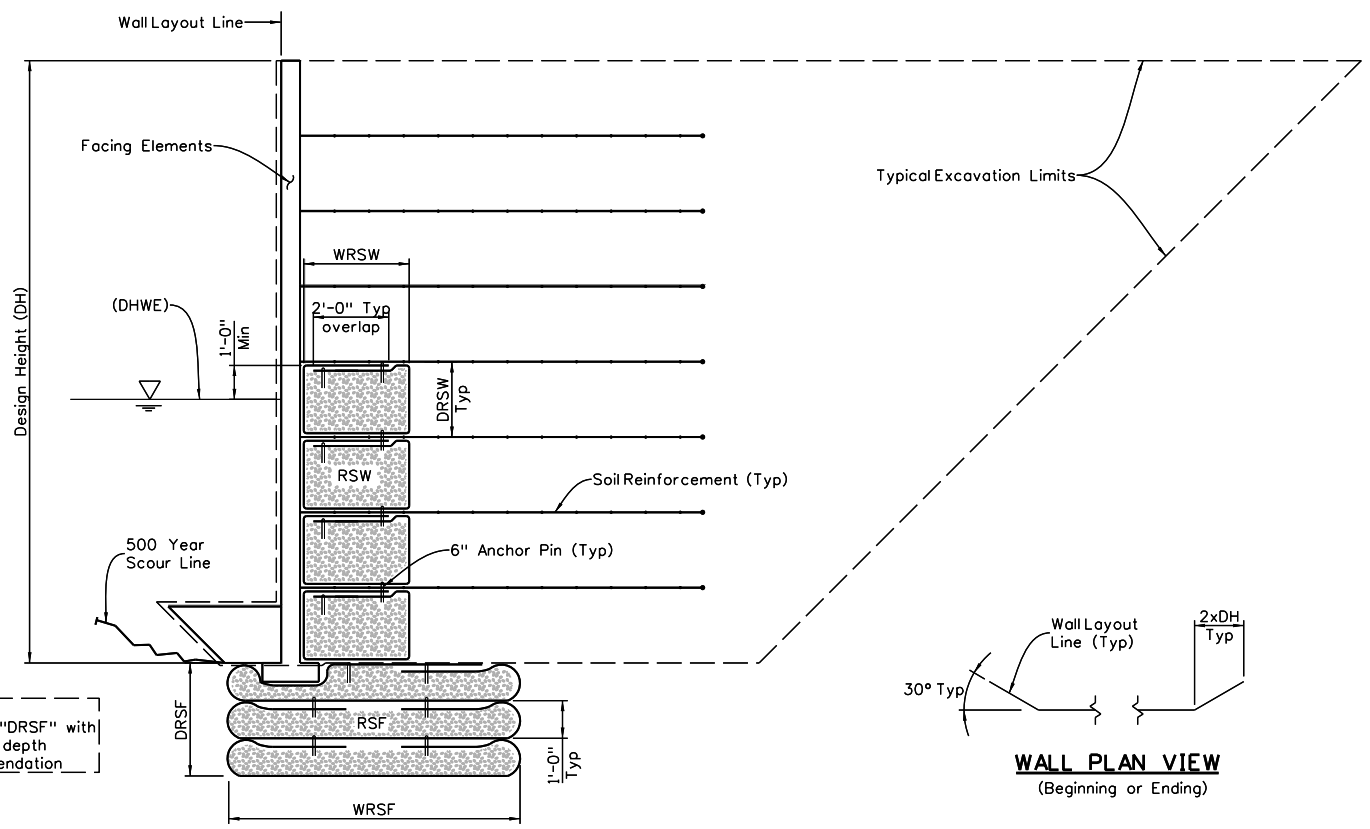
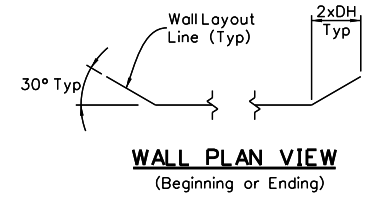


| Revision | Date  |
|----------|-------|
| 09-16    | 10-24 |

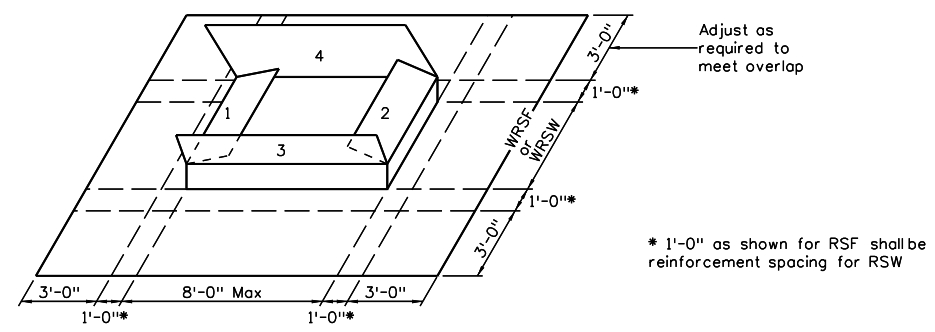


- NOTES:**
1. RSF is for bridging over weak or deficient foundation as over excavation and soil replacement identified in geotechnical report or during construction. Item includes excavation, backfill and geotextile.
  2. RSW is for avoiding wave actions or pumping out of soil fines along encroaching water front. Item includes geotextile. However, backfill is included in Structural Backfill (Class 1).
  3. Both RSF and RSW shall have full encapsulations by geotextile with anchor pins.
  4. Geotextile reinforcement shall be woven fabric with a minimum average roll value of 4800 Lb/Ft based on ASTM D4595.
  5. Geotextile reinforcement shall be placed by alternating Machine Direction (MD) with Cross Machine Direction (XD) from layer to layer. The geotextile reinforcement wrap at the back face of facing shall be pulled back slack free with its end anchored to soil underneath with staples or pins.
  6. RSF shall be filled with compacted structural backfill (Class 1).
  7. RSW shall be filled either with compacted structural backfill (Class 1), Sand, or filter material (Class B) as recommended by the hydraulic engineer.
  8. Where RSW and RSF are used, application shall include both ends of wall with 30° bend-in RSW and RSF segments along its length as specified in the plans. These bend-in segments applied to bridge abutment wall shall be a minimum of 2x the wall average design height (DH).

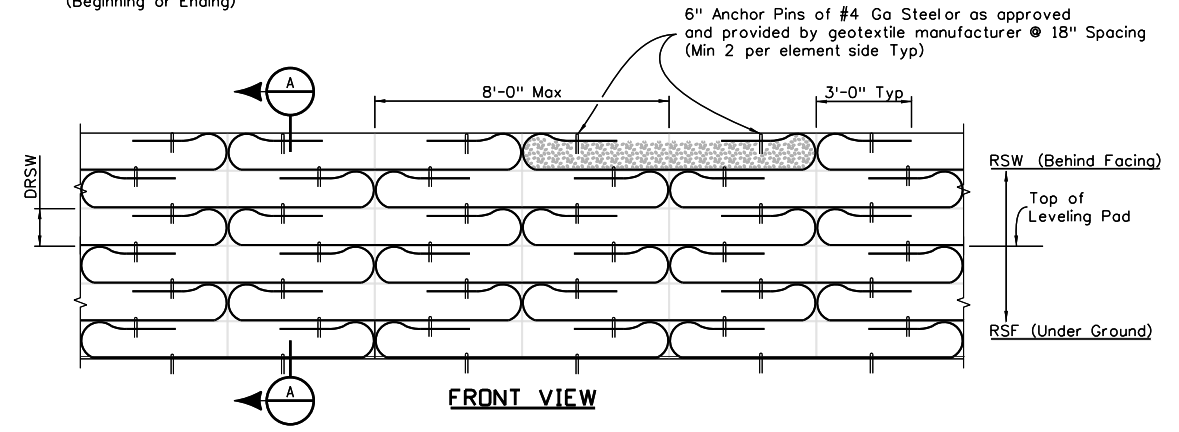
- DHWE = Design Height Water Elevation
- DRSF = Depth of RSF as Specified by Engineer
- DRSW = Depth of RSW = Soil Reinforcement Spacing
- RSF = Reinforced Soil Foundation (CY) (Excavation, Reinforcement & Backfill)
- RSW = Reinforced Soil Wrapper (SY) (Reinforcement)
- WRFS = Width of RSF as Specified by Engineer
- WRSW = Width of RSW = 3'-0" (Typ)
- DH (Avg) = Average Wall Design Height



**SECTION VIEW AA**



**RSF OR RSW (FOLDING ALL FOUR SIDES/NO CUTTING)**



**FRONT VIEW**

| INITIALS   | DESIGN | DATE | DETAIL | DATE | QUANTITY | DATE |
|------------|--------|------|--------|------|----------|------|
| By         |        |      |        |      |          |      |
| Checked By |        |      |        |      |          |      |

SPLD1\_INF05

|   |                                       |                            |           |  |   |                |  |                           |                  |
|---|---------------------------------------|----------------------------|-----------|--|---|----------------|--|---------------------------|------------------|
| All seals for this set of drawings are applied to the cover page(s) | Print Date: \$DATE\$                  | <b>Sheet Revisions</b>     |           | <b>Colorado Department of Transportation</b> |   | As Constructed | <b>RSF FOR WEAK FOUNDATION AND/OR RSW FOR WATERFRONT</b> |                           | Project No./Code |
|   | File Name: Sheet_B-504-R1.dgn         | Date:                      | Comments: | Init.  | 2829 West Howard Place, 3rd Floor<br>Denver, CO 80204<br>Phone: 303-512-4079<br>FAX: 303-757-9197 | No Revisions:  | Designer: XXXXXXXX                                       | Structure: XXXXXXXXXXXXX  |                  |
|   | Horiz. Scale: Vert. Scale: As Noted   |                            |           |  |   | Revised:       | Detailer: XXXXXXXX                                       | Numbers: XXXXXXXXXXXXX    |                  |
|   | Unit Information Unit Leader Initials |                            |           |  |   | Void:          | Sheet Subset: WALL                                       | Subset Sheets: WXX of XXX | Sheet Number     |
|   |                                       | <b>Staff Bridge Branch</b> |           | <b>Initials</b>                              |   |                |  |                           |                  |