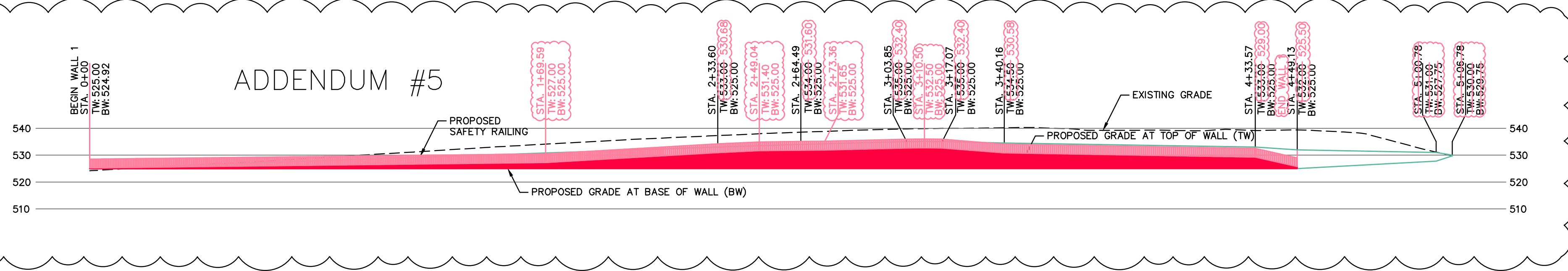
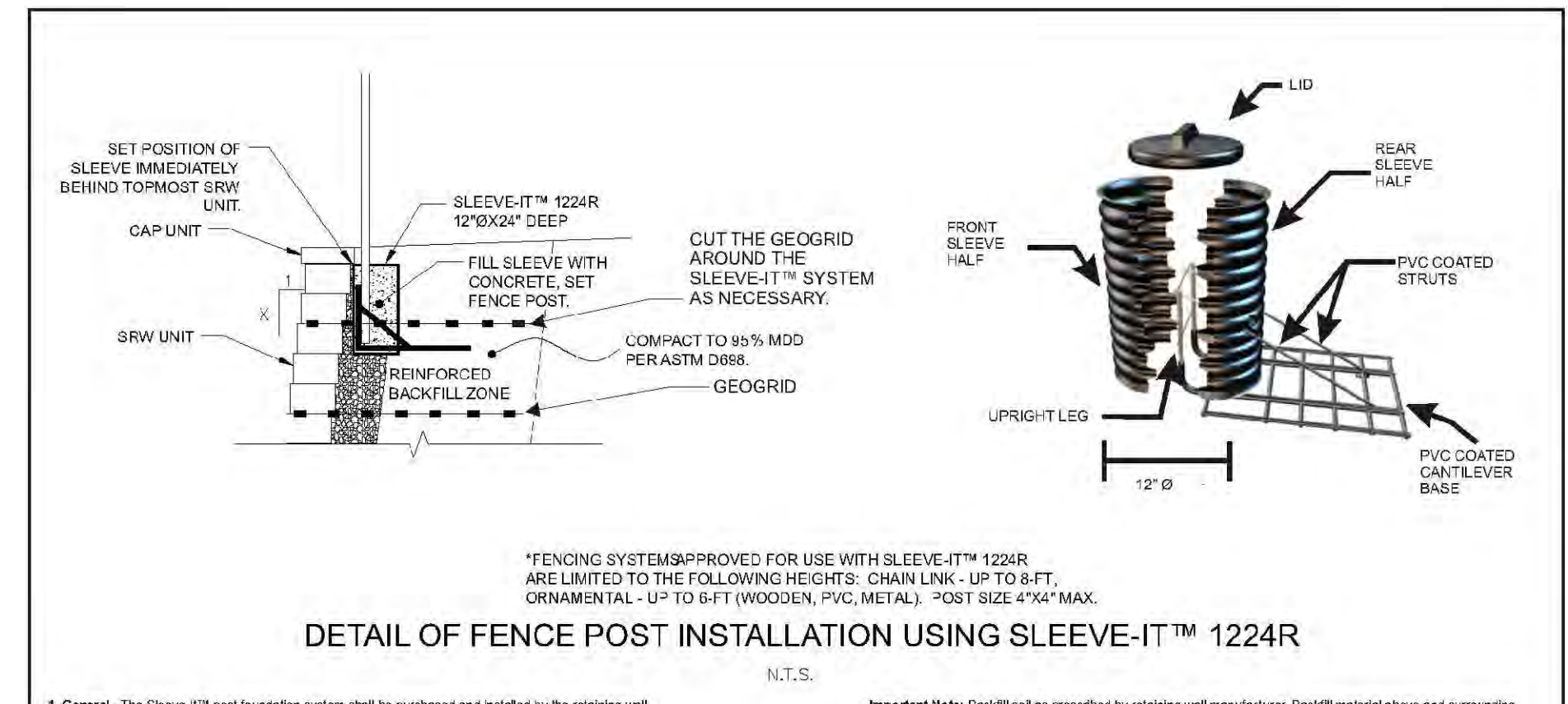


NOTE:
 1. COLLARS TO BE LOCATED MIN. 2' FROM PIPE JOINT.
 2. ALL MATERIAL TO BE IN ACCORDANCE WITH CONSTRUCTION AND CONSTRUCTION MATERIALS SPECIFICATIONS.
 3. THE SEAL BETWEEN THE PIPE AND COLLAR SHALL BE WATER TIGHT.



MSE WALLS PROFILE VIEW
 SCALE: 1"=30' (H)
 1"=30' (V)

CONCRETE COLLAR DETAIL
 (n.t.s.)



DETAIL OF FENCE POST INSTALLATION USING SLEEVE-IT™ 1224R
 N.T.S.

1. General: This Sleeve-IT™ post foundation system shall be purchased and installed by the retaining wall contractor to facilitate future fence post installation. Contractor shall verify proper spacing requirements prior to installation.

2. Assembly & Installation: Refer to instructions provided with units for specific information related to the assembly of the Sleeve-IT™ system and the correct installation procedure. When the retaining wall has been constructed to five feet from top not including the cap sleeve.

3. Prepare a level area approximately 24" wide x 20" deep behind the wall face. The prepared area should be 24" below the proposed top of wall and include the cap sleeve.

4. Take the two plastic sleeve halves, one front (top) and one back (with skirt) and lay them on a level location with the top flange facing each other. Insert the cap sleeve into the front sleeve and the two sleeves halves by pushing the top flange into the top of the back sleeve. When complete, the top of the cap sleeve should be flush with the top of the back sleeve.

5. Place the PVC coated collar base on the prepared area with the upright leg about 18" from the left of the block.

6. Slide the sleeve over the vertical leg (the uncoated portion) with the skirt side of the sleeve facing away from the wall face.

7. Slide the uncoated end of each skirt through the slots located in the back of the sleeve and connect them to the Skirted Transverse Bar on the verticalizing inside the sleeve. Connect the collar ends of the skirt to the collar base portion of the steel collar on the second transverse bar from the rear of the base.

8. Repeat for the entire system as needed by using the top transverse bar of the vertical portion of the steel collar behind the sleeve after assembly. Make sure the wall footer for any remaining course of block is accounted for when positioning the Sleeve-IT™ in its final location.

9. Place enough SRW above the system to stabilize it. Set this in place with the handle perpendicular to the wall face. Use the handle on the center line ensuring gaps to ensure that the most Sleeve-IT™ is placed with the proper spacing requirements as directed by the fence specifications.

10. When installing geogrid around the Sleeve-IT™ system, all the geogrid perpendicular to the wall face just enough to hold the sleeve in place so that the geogrid is properly attached to the wall face away from the location of where the sleeve is. This method is acceptable by geogrid manufacturers when obstacles such as fence post foundations are present.

Important Note: Backfill soil as prescribed by retaining wall manufacturer. Backfill material above and surrounding the Sleeve-IT™ system must be compacted to a minimum of 95% of the material's maximum dry density as determined by ASTM D1557 (Standard Practice for Field and Laboratory Tests) or other approved method. Do not install post before the backfill is compacted. Do not use backfill material with fines content greater than 15% unless otherwise approved by the retaining wall manufacturer. Do not use backfill material with fines content greater than 15% unless otherwise approved by the retaining wall manufacturer.

Request above steps for rest Sleeve-IT™ unit.

When installing geogrid, posts must be centered into the Sleeve-IT™ cavity.

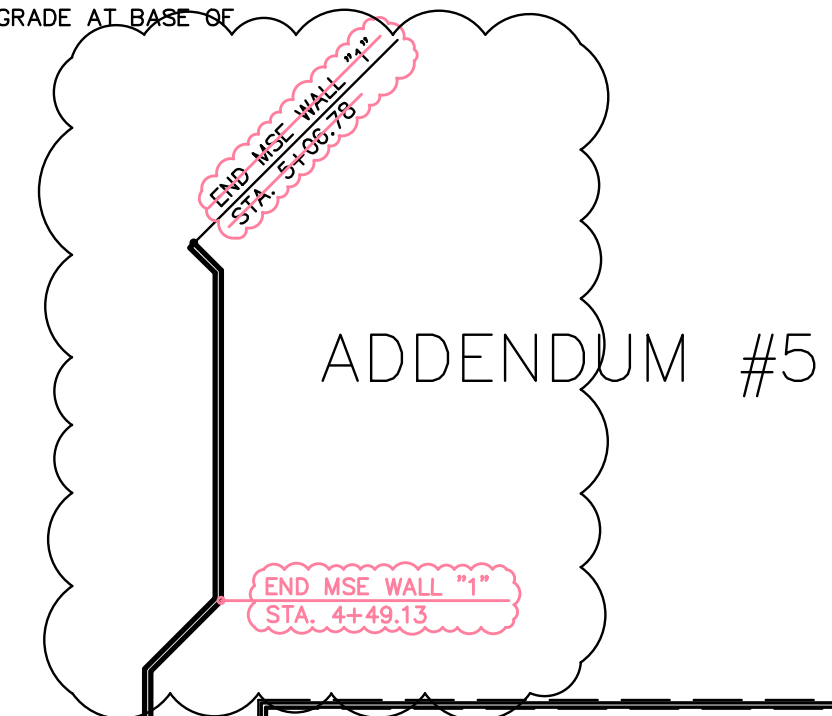
For post foundation, use a minimum distance of 24" between posts to ensure proper alignment with the Sleeve-IT™ system. All posts must be on the "skirt" side of the vertical portion of the collar base. Do not install post between vertical leg and wall face. Do not completely fill concrete. When concrete cures, top of or other vertical cover may be placed over the Sleeve-IT™ system to create final finished appearance.

The Sleeve-IT™ product shall be evenly spaced no further apart than 18 feet on centers in any case. Use of the Sleeve-IT™ system is limited to the following limiting applications:
 1. Earth and under road areas with proper bearing capacity.
 2. Earth and under road areas with proper bearing capacity.
 3. Other retaining systems specifically not making these criteria.
 4. Other retaining systems specifically not making these criteria.
 5. Other retaining systems specifically not making these criteria.

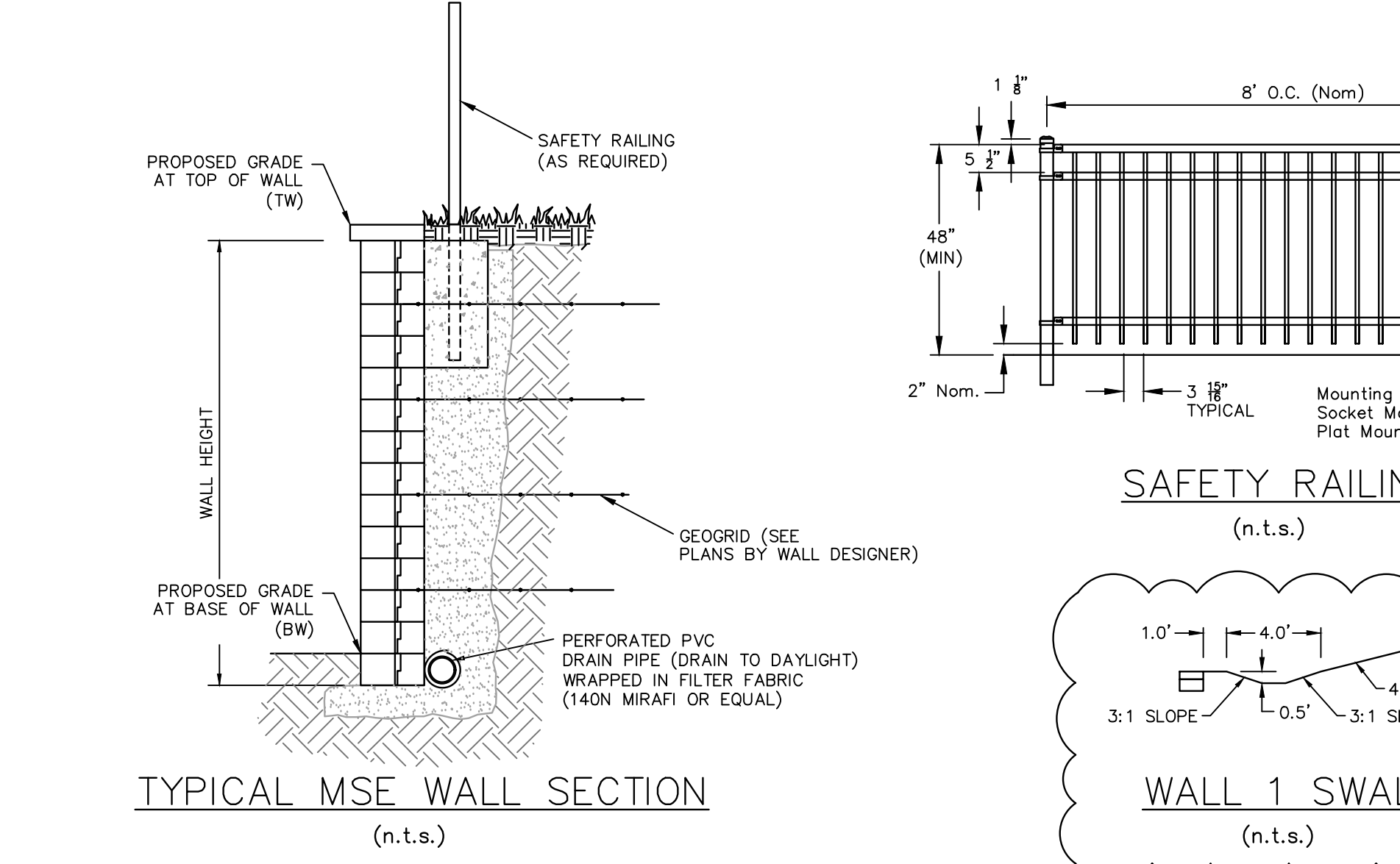
All material may be subject to site testing for compliance to the above specifications.

RETAINING WALL NOTES:

1. ALL CONSTRUCTION SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS. GLOBAL AND FOUNDATION STABILITY SHALL BE VERIFIED BY THE DESIGN/BUILD WALL CONTRACTOR'S ENGINEER IN COLLABORATION WITH THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO DESIGN OF WALL & BID SUBMITTAL. FOOTING AND COMPACTION TESTING SHALL BE PERFORMED BY THE PROJECT GEOTECHNICAL ENGINEER.
2. SHOP DRAWINGS AND THE GLOBAL STABILITY ANALYSIS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF WISCONSIN TO BE SUPPLIED TO THIS ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION AND FOLLOWING APPROVAL FROM THE GOVERNING AUTHORITY.
3. VERIFY WALL SYSTEMS, MATERIALS, AND COLOR WITH OWNER AND ARCHITECT PRIOR TO DESIGN AND CONSTRUCTION.
4. WALLS SHALL BE DESIGNED WITH A 0° BATTER.
5. TW= TOP OF RETAINING WALL, BW= GRADE AT BASE OF WALL.



MSE WALLS PLAN VIEW
 SCALE: 1"=30' (H)



SAFETY RAILING
 (n.t.s.)

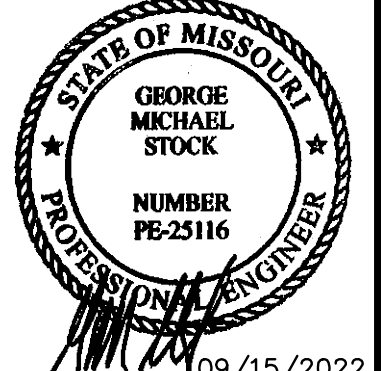
WALL 1 SWALE
 (n.t.s.)

ADDENDUM #5

257 Chesterfield Business Parkway
 St. Louis, MO 63005 PH: (636)
 538-9100 FAX: (636) 538-9100
 e-mail: general@stockandassociates.com
 Web: www.stockandassociates.com

STOCK & ASSOCIATES
 Consulting Engineers, Inc.

SITE IMPROVEMENT PLANS FOR:
HAMPTON MANOR OF O'FALLON
 NEW HOME FOR THE AGED
 MEXICO ROAD and SONDEREN STREET
 O'FALLON, MISSOURI 63376



09/15/2022
 GEORGE M. STOCK E-25116
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 000996

REVISIONS:

1	ENGINEERING PLAN REVIEW SUBMITTAL 06/09/21
2	ENGINEERING PLAN REVIEW AND SUBMITTAL REVISED PER CITY COMMENTS AND CLIENT REQUEST A CONTRACTOR RECORDS 09/20/21
3	ENGINEERING PLAN REVIEW 3rd SUBMITTAL 10/19/21 REVISED PER CITY COMMENTS DATED 10/14/21
4	ENGINEERING PLAN REVIEW AND SUBMITTAL 11/04/21 REVISED PER CITY COMMENTS DATED 11/02/21
5	ADDENDUM #1 03/29/22 - WATER SERVICE RECORDING PER CITY COMMENTS DATED 03/23/22
6	ADDENDUM #2 06/23/22 - CONTECH CMP DETENTION SYSTEM SHOP DRAWINGS ADDED TO PLAN
7	ADDENDUM #3 06/27/22 - METAL BACKFILL COMPACTION REQUIREMENTS
8	ADDENDUM #4 06/28/22 - ADDED TYPICAL MANHOLE DETAIL TO SHEET C-16
9	ADDENDUM #5 09/15/22 - REVISED WALL 1 TOP OF WALL (TW) ELEVATIONS, ADDED GENERATOR NO.

DRAWN BY:	C.M.S.	CHECKED BY:	G.M.S.
DATE:	01/25/2021	JOB NO.:	220-6898
M.S.D. P. #:	-	BASE MAP #:	-
S.L.C. H&T #:	-	H&T S.U.P. #:	-
M.D.N.R. #:	-	-	-

SHEET TITLE:
MSE WALL PLAN & PROFILES

SHEET NO.:
C-7