

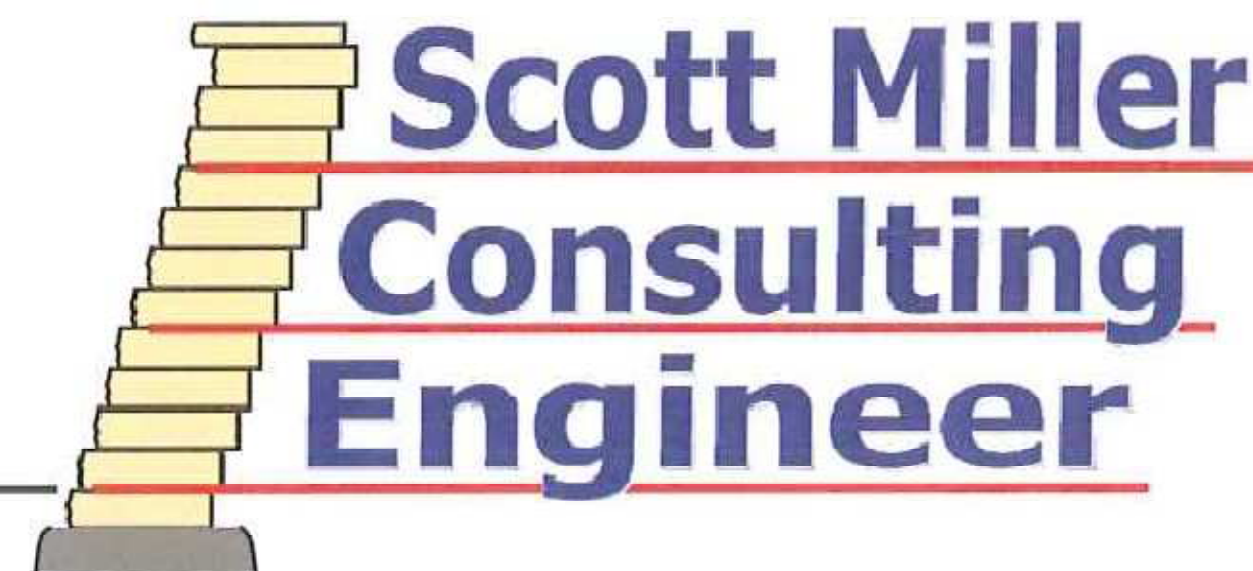
DOBBS ELEMENTARY SCHOOL ROCKWALL, TEXAS

JOB NO. 18051

PREPARED FOR:

BUILDER SERVICES COMPANY
1917 COPPER STREET
GARLAND, TX 75042

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Texas Registered Engineering Firm
F-003643



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ROCKWALL, TEXAS

AS BUILT DRAWINGS

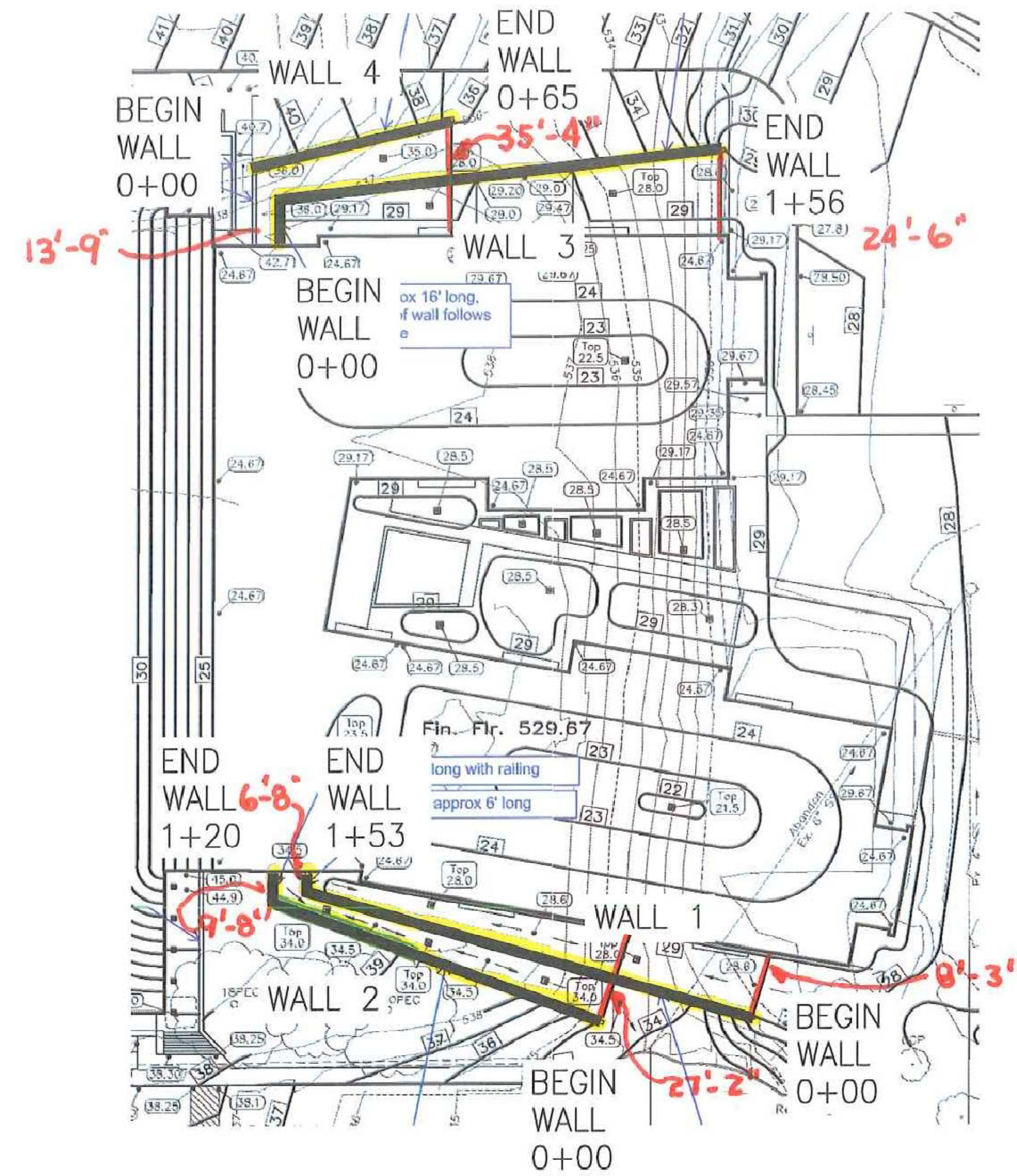
DRAWN BY: CMM

DATE: 09/10/18

SHEET: 1 OF 10

P.O. Box 94529 North Little Rock, AR 72190

Tel: 501.374.3546 Fax: 501.374.3547 E-mail: segwalls@gmail.com



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NOT TO SCALE
 LAYOUT WALLS PER CIVIL PLANS

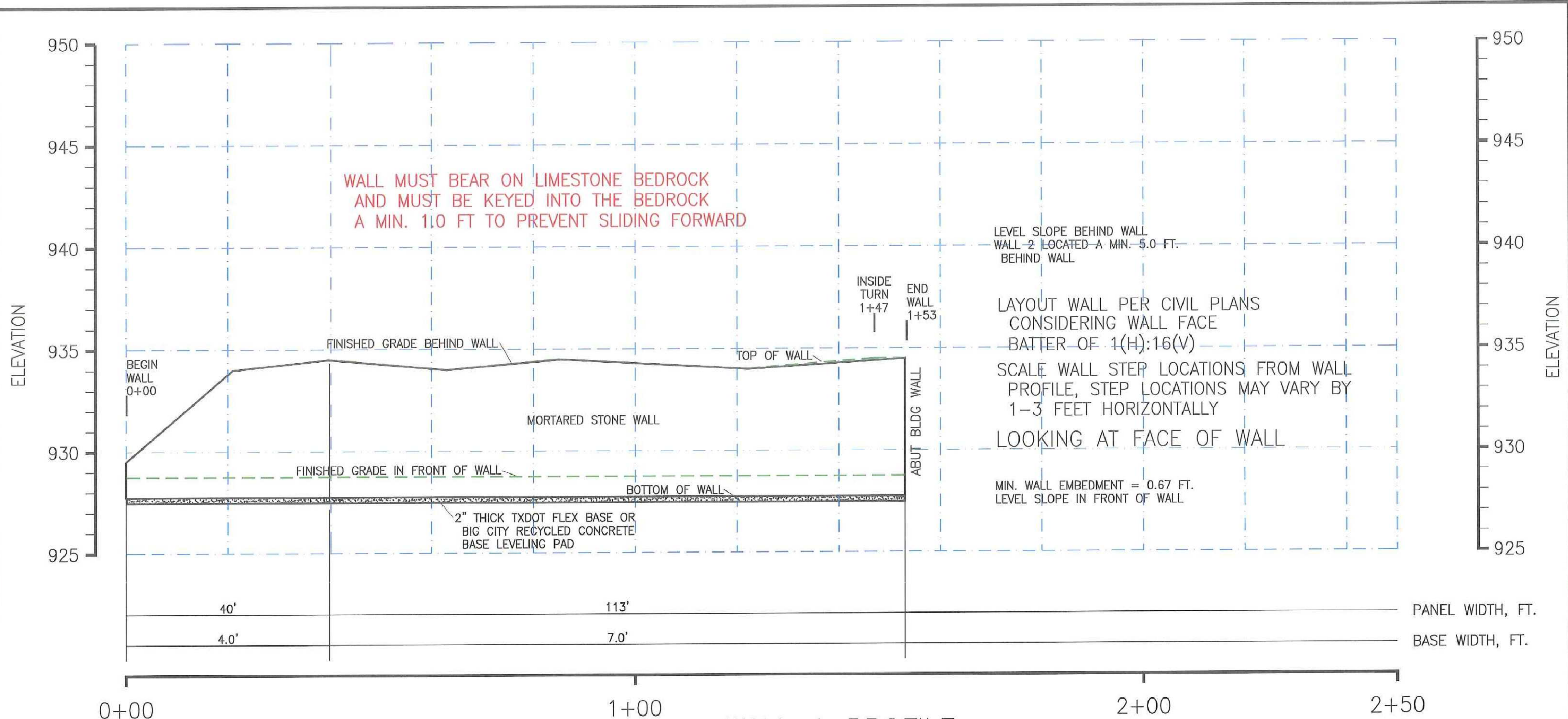


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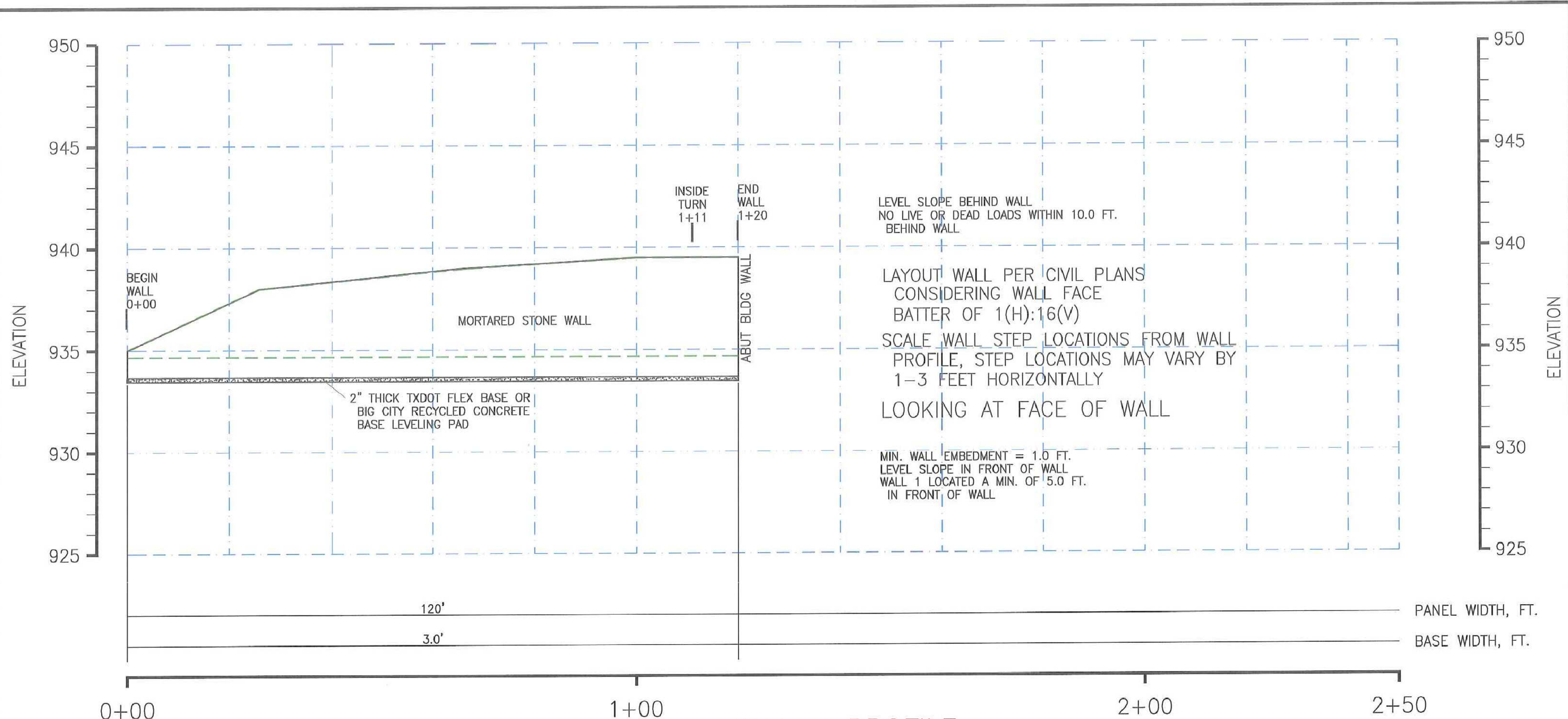


WALL 1 PROFILE
 SOUTH LOWER WALL
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'

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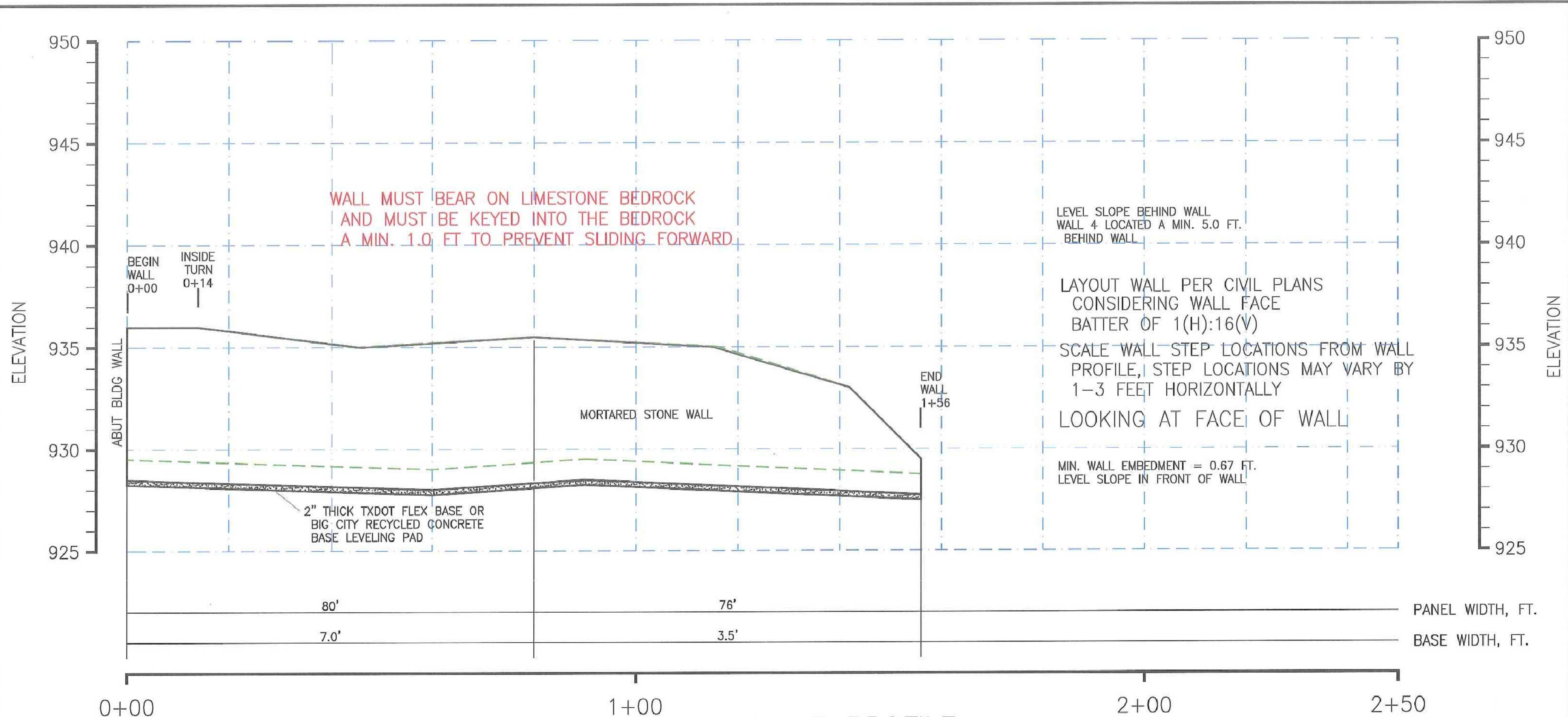


WALL 2 PROFILE
 SOUTH UPPER WALL
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'

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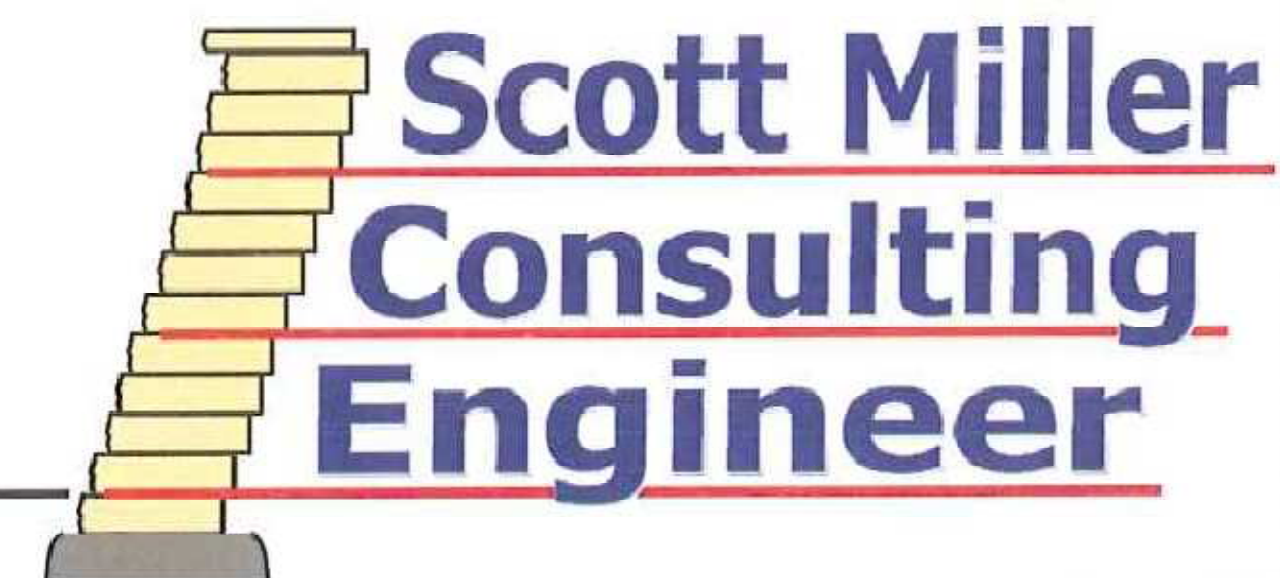


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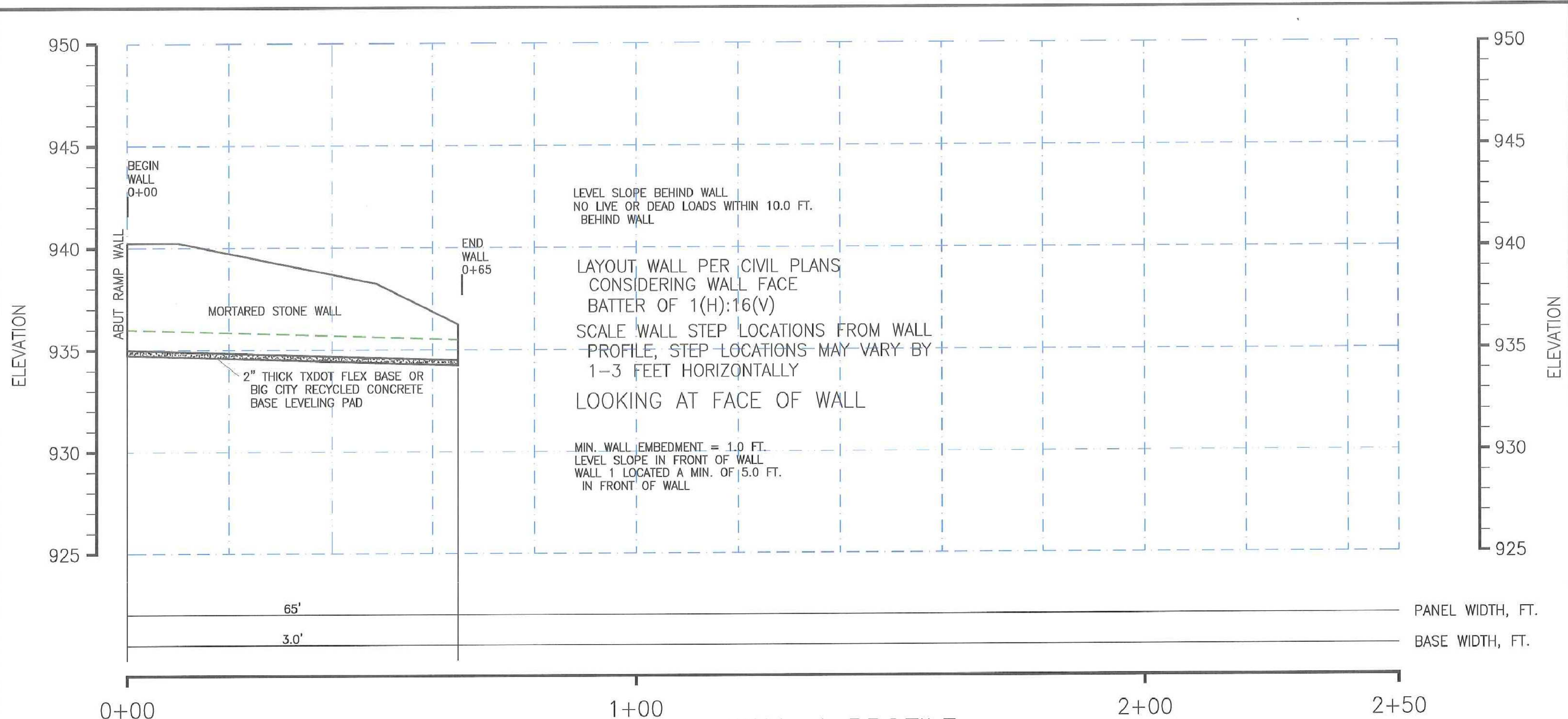


WALL 3 PROFILE
 NORTH LOWER WALL
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'

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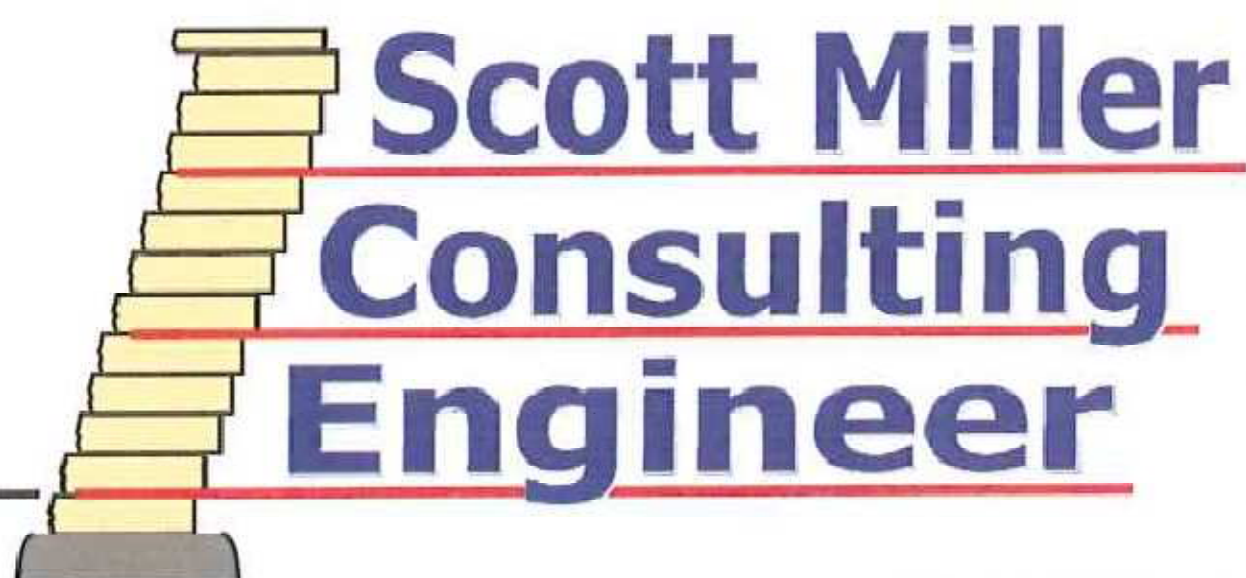


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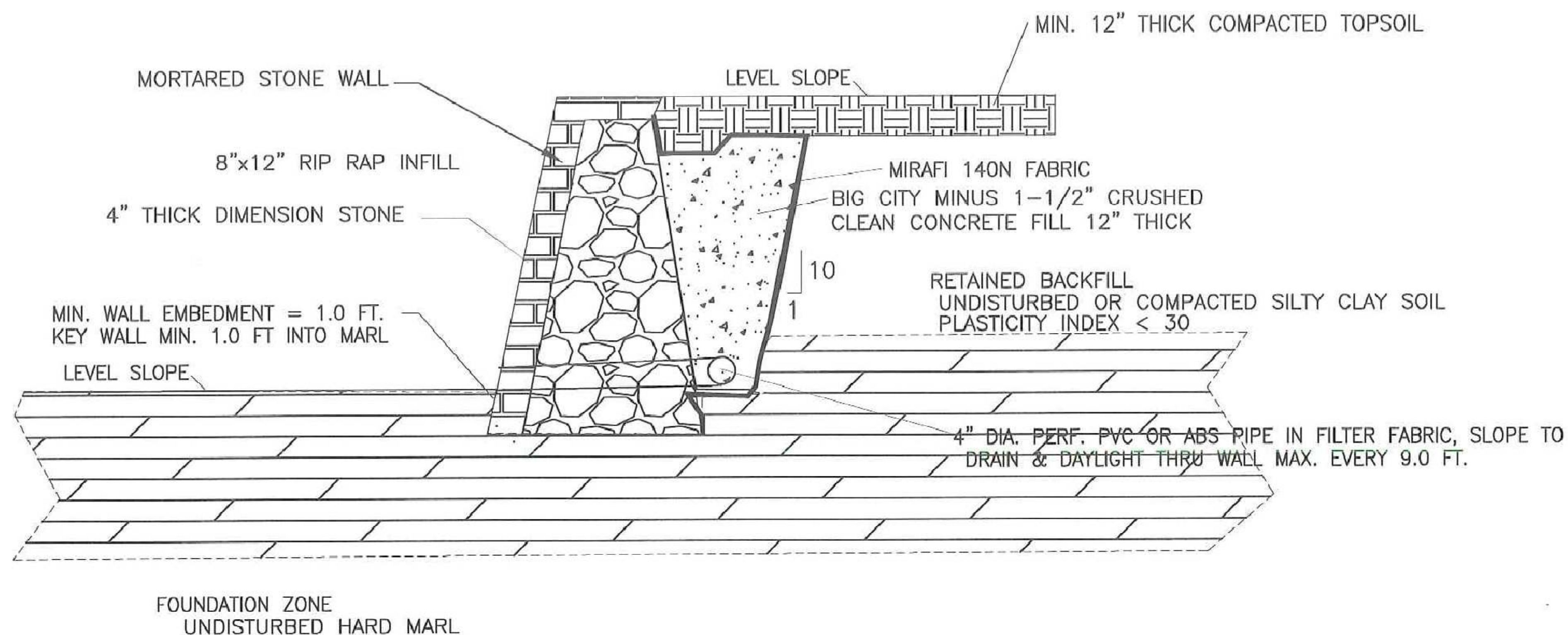
WALL 4 PROFILE
 NORTH UPPER WALL
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'

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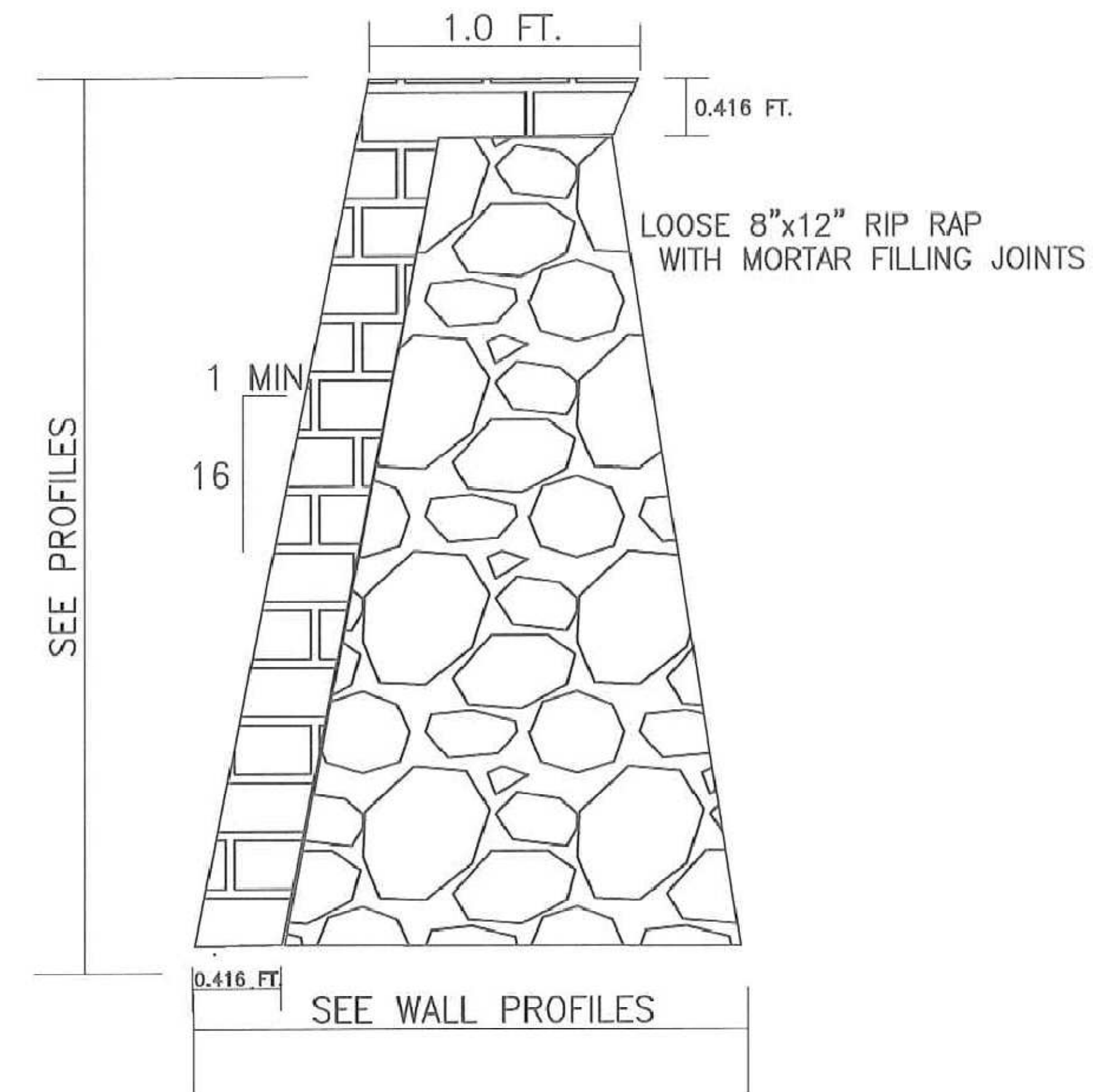
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SEE PROFILES FOR LIVE AND DEAD LOADS BEHIND THE WALLS
 ROUTE OR PIPE ALL ROOF DRAINS AND SURFACE WATER AROUND THE WALL



TYPICAL MORTARED STONE WALLS 1 & 3 SECTION

SCALE: NONE



TYPICAL MORTARED WALL DIMENSIONS

SCALE: NONE

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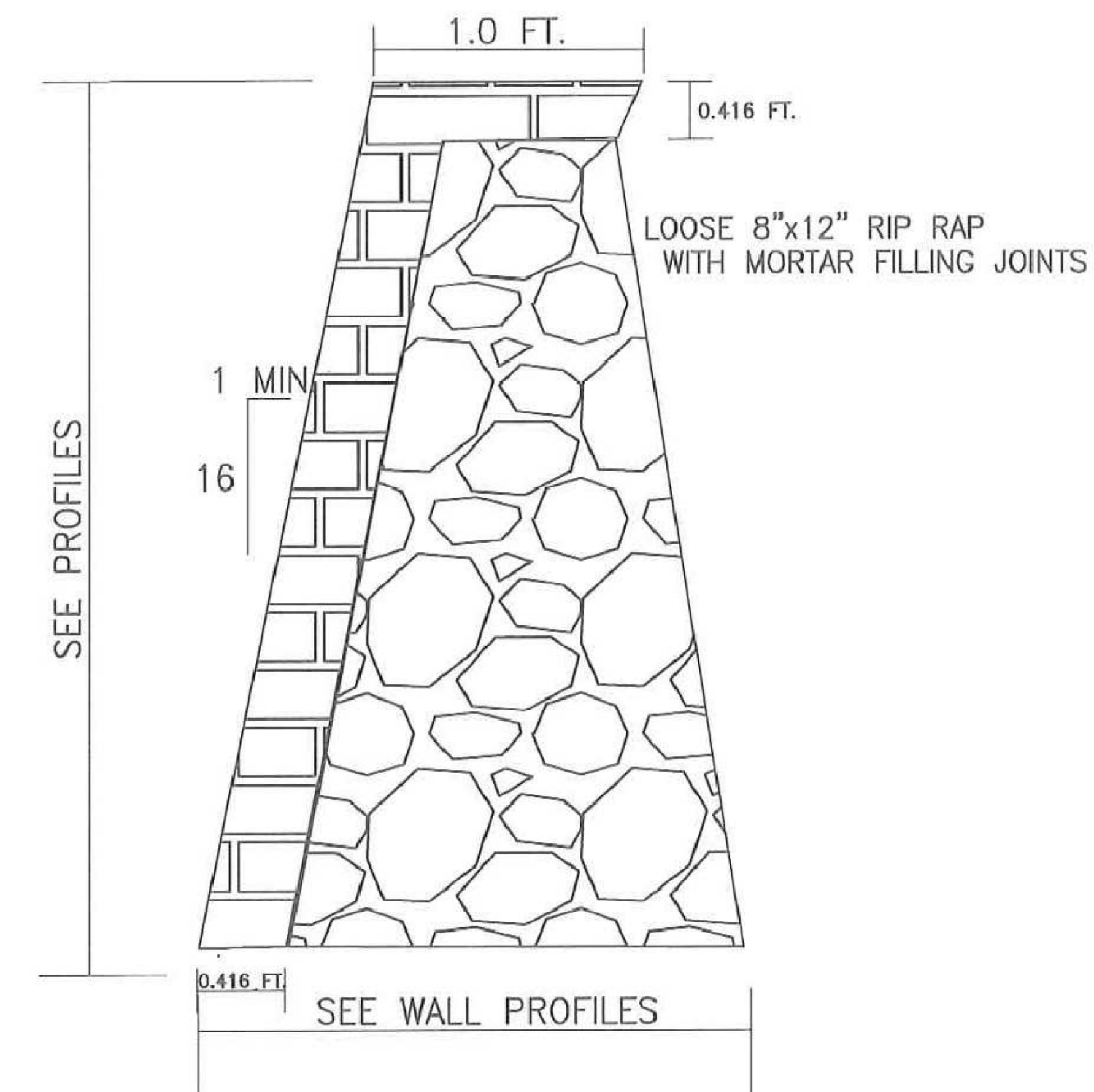
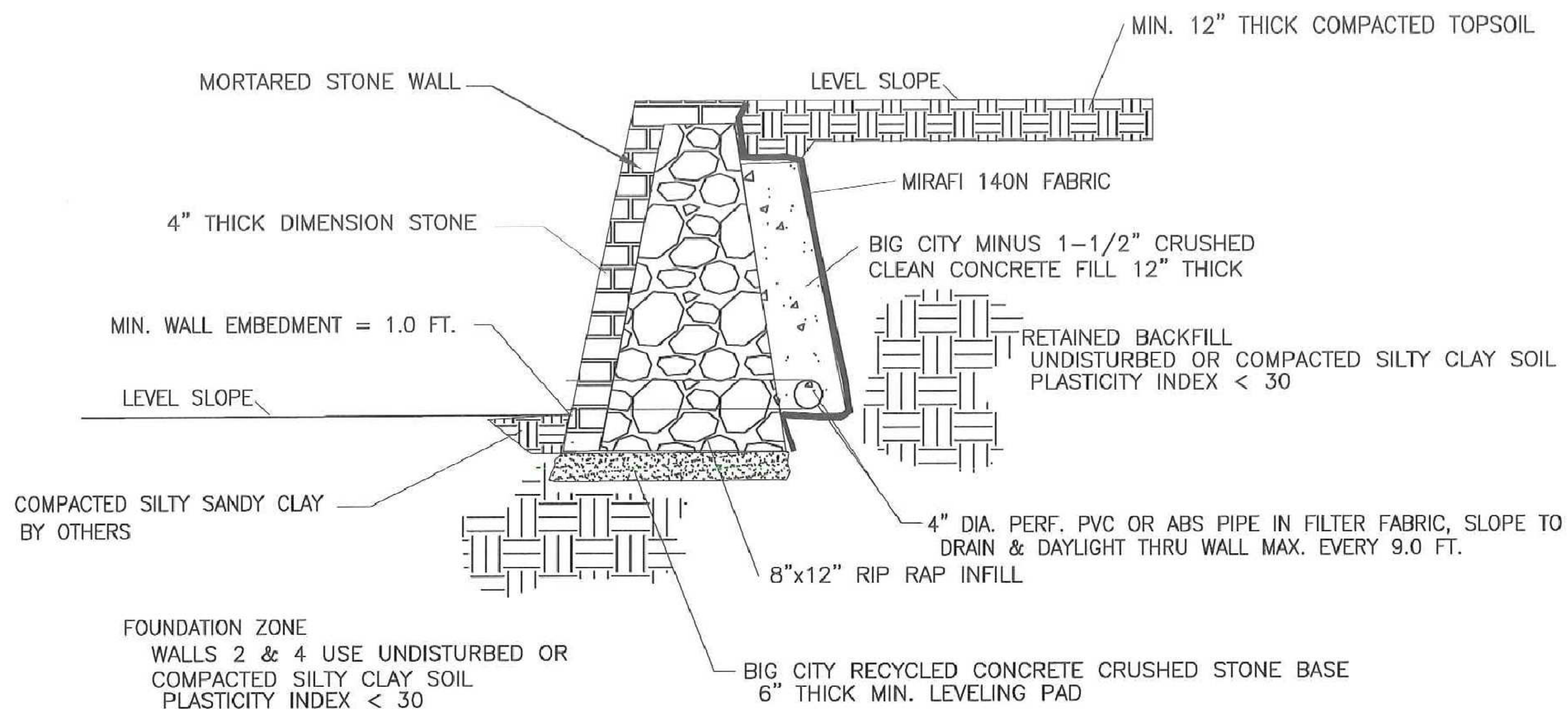


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AS BUILT DRAWINGS

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SEE PROFILES FOR LIVE AND DEAD LOADS BEHIND THE WALLS
 ROUTE OR PIPE ALL ROOF DRAINS AND SURFACE WATER AROUND THE WALL



TYPICAL MORTARED WALL DIMENSIONS
 SCALE: NONE

TYPICAL MORTARED STONE WALLS 2 & 4 SECTION

SCALE: NONE

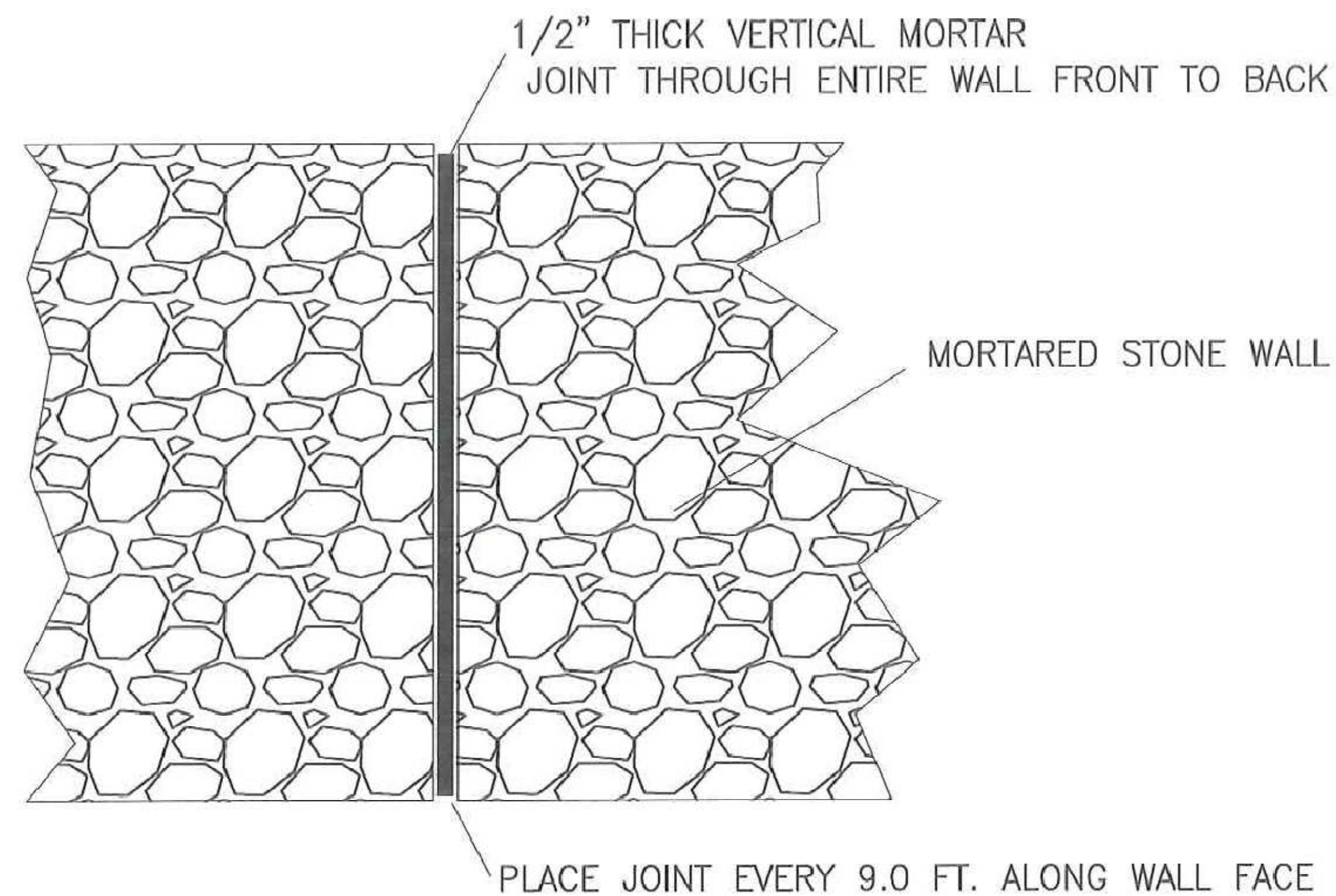
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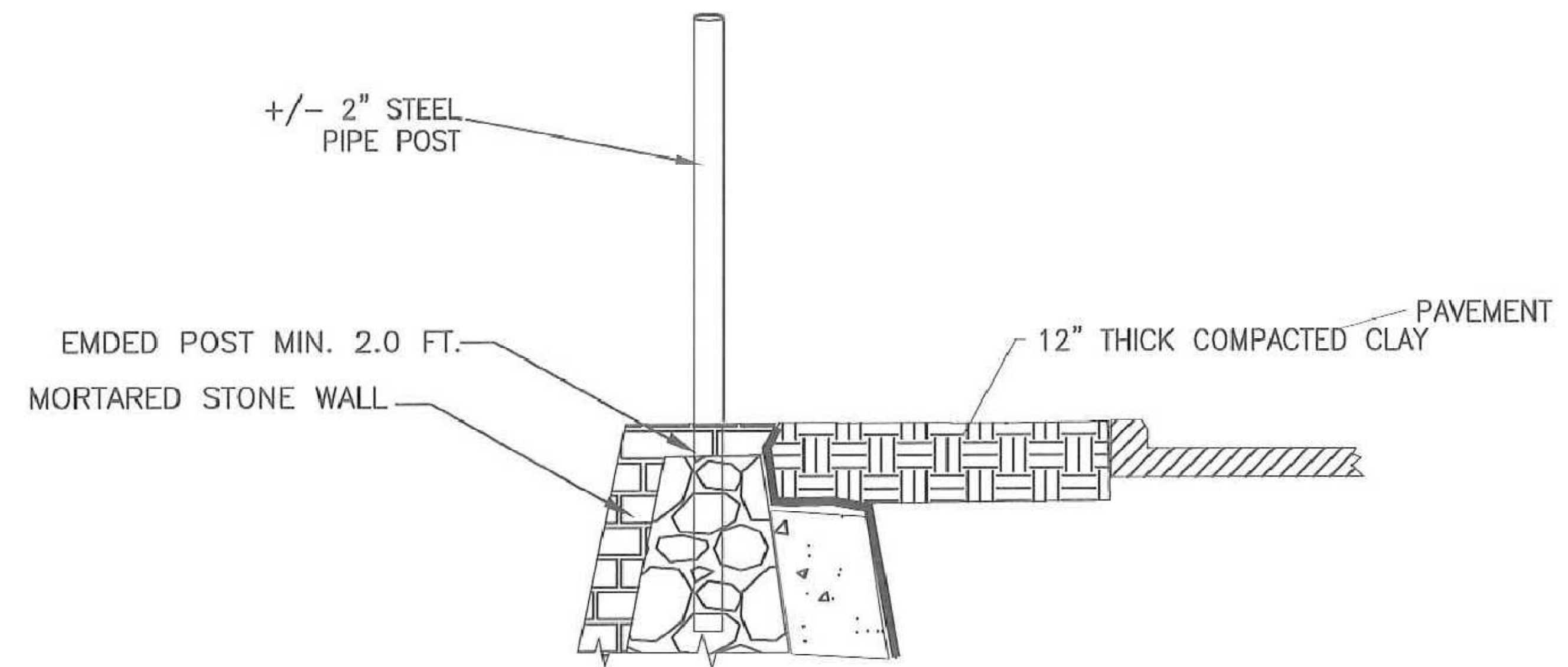
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TYPICAL EXPANSION JOINT DETAIL

SCALE: NONE



POST & RAIL DETAIL

TYPICAL HANDRAIL AND/OR RAIL POST
SCALE: NONE

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ROCKWALL, TEXAS

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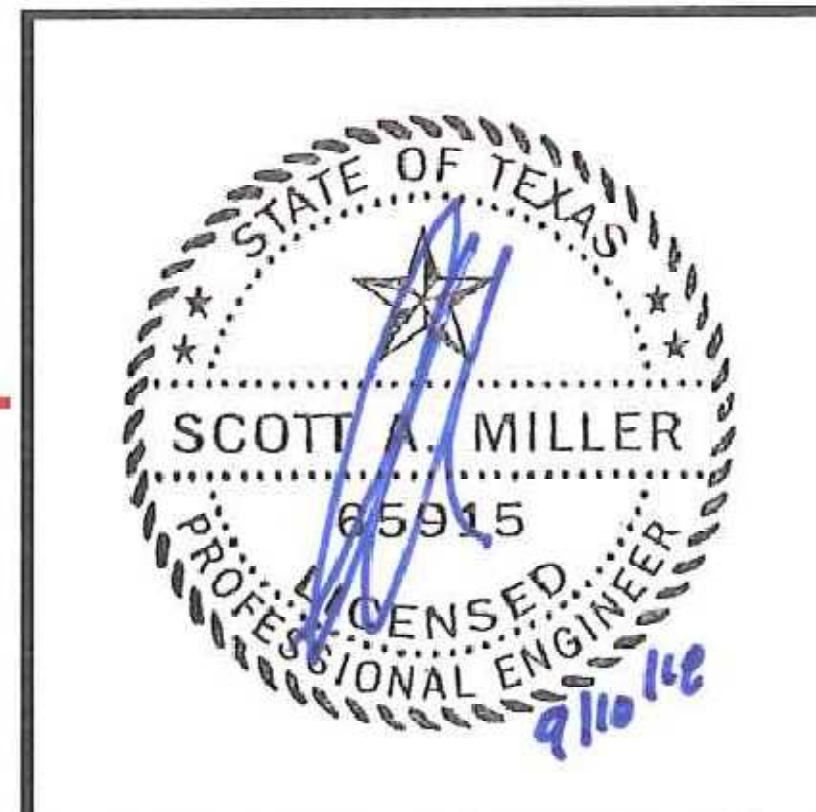
NOTES:

1. LEVELING PAD- MINIMUM 6" THICK COMPACTED BIG CITY RECYCLED CONCRETE CRUSHED STONE BASE COMPACTED TO A MINIMUM 95% STD. COMPACTION (ASTM D698).
2. FOUNDATION ZONE- WALLS 2 & 3 USE UNDISTURBED OR COMPACTED SILTY CLAY SOIL WITH A PLASTICITY INDEX LESS THAN 30 WITH AN EFFECTIVE FRICTION ANGLE = 25 DEGREES, MOIST UNIT WEIGHT= 120 PCF, COHESION = 150 PSF. WALLS 1 & 3 MUST BEAR ON HARD MARL WITH AN EFFECTIVE FRICTION ANGLE = 36 DEGREES, MOIST UNIT WEIGHT = 140 PCF AND COHESION = 500 PSF.
3. RETAINED ZONE- UNDISTURBED OR COMPACTED SILTY CLAY SOIL WITH A PLASTICITY INDEX LESS THAN 30 WITH AN EFFECTIVE FRICTION ANGLE = 25 DEGREES, MOIST UNIT WEIGHT= 120 PCF, COHESION = 150 PSF.
4. MINIMUM WALL EMBEDMENT- VARIES (SEE PROFILES)
5. A GEOTECHNICAL REPORT BY ALLIANCE GEOTECHNICAL GROUP DATED OCTOBER 7, 2016 WAS SUPPLIED FOR THE PROJECT AND THE SOIL PROPERTIES USED WERE CORRELATED FROM THE INFORMATION IN THE BORING LOGS IN THE REPORT. THE FIELD SOIL PROPERTIES MUST BE VERIFIED BY THE TESTING AGENCY OF RECORD AND THE WALL DESIGNER NOTIFIED OF SOILS DIFFERENT THAN THOSE NOTED HEREIN.
6. THESE PLANS ARE BASED ON SHEET C2.0 OF THE PROJECT PLANS BY VLK | ARCHITECTS DATED JANUARY 6, 2017. THE TOP AND BOTTOM OF WALL ELEVATIONS AND SLOPES IN THE VICINITY OF THE WALLS MUST BE VERIFIED BY THE WALL INSTALLER BEFORE BEGINNING WALL CONSTRUCTION. THE WALL DESIGNER MUST REVIEW ANY CHANGES TO THE WALL DIMENSIONS OR SLOPES AROUND THE WALLS.
7. THE WALL DESIGNER ASSUMES NO LIABILITY FOR INFORMATION PROVIDED BY OTHERS OR NOT VERIFIED.
8. ALL SOIL FILL MUST BE PLACED IN MAXIMUM 8.0 INCH THICK LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD COMPACTION (ASTM D698). THE COMPACTION OF EACH LIFT OF FILL MUST BE VERIFIED BY THE TESTING AGENCY OF RECORD WITH AT LEAST ONE TEST PER 2500 SQ. FT. OF FILL PLACED PER LIFT, PER DAY.
9. MAXIMUM WALL BEARING PRESSURE = 2500 PSF.
10. THE LONG-TERM STATIC GROUNDWATER LEVEL IS ASSUMED TO WELL BELOW THE BOTTOM OF THE WALLS (GREATER THAN 6.0 FEET).
11. WALL HEIGHTS SHOWN MUST NOT BE EXCEEDED WITHOUT THE CONSULTATION AND APPROVAL OF THE WALL DESIGNER.
12. ALL STONE USED FOR THE WALL FACING MUST BE DIMENSION STONE AS SELECTED BY THE OWNER.
13. THE WALL MUST BE FILLED WITH 8"x12" MORTARED RIP RAP TO THE DIMENSIONS SHOWN ON THE WALL DRAWINGS
14. ALL MORTAR USED IN THE WALL CONSTRUCTION SHALL BE TYPE M MORTAR WITH A MINIMUM 1800 PSI COMPRESSIVE STRENGTH.
15. ALL UTILITIES BEHIND, IN FRONT AND UNDER THE WALLS SHOULD BE INSTALLED BEFORE COMMENCING WALL CONSTRUCTION TO LIMIT DISTURBANCE AND DAMAGE TO THE WALL AND UNDERMINING OF THE WALLS. THE COMPACTION OF ALL UTILITY BACKFILL UNDER THE WALL MUST BE VERIFIED TO BE AT LEAST 95% STANDARD COMPACTION (ASTM D698).
16. MAXIMUM SLOPE BEHIND AND IN FRONT OF THE WALLS ARE SHOWN ON THE WALL PROFILES AND SHALL NOT BE EXCEEDED WITHOUT THE CONSULTATION AND APPROVAL OF THE WALL DESIGNER.
17. CARE MUST BE TAKEN WHEN INSTALLING ANY UTILITIES, STRUCTURES OR LANDSCAPING BEHIND THE WALLS SO AS NOT TO DAMAGE THE WALL OR WALL FACE.
18. ALL ROOF DRAINS AND SURFACE WATER MUST BE ROUTED AROUND OR PIPED THROUGH THE WALL FACE. NO SURFACE WATER SHALL BE ALLOWED TO FLOW OVER THE WALL FACE DURING OR AFTER WALL CONSTRUCTION.
19. ANY SPRINGS, SEEPS OR OTHER WATER SOURCES NOTED IN THE WALL EXCAVATION MUST BE IMMEDIATELY REPORTED TO THE WALL DESIGNER FOR REMEDIAL ACTION.
20. SEE PROFILES FOR LIVE AND DEAD LOADS BEHIND THE WALLS.
21. ALL FILTER FABRIC MUST BE MIRAFI 140N NON-WOVEN FABRIC OR APPROVED EQUIVALENT.
22. MINIMUM SAFETY FACTORS USED IN THE WALL DESIGN - SLIDING = 1.5, OVERTURNING = 1.5, BEARING CAPACITY = 2.0

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