

TYPICAL RETAINING WALL SECTION - REDUCED GRAVEL
WALLS 5'-0" to 16'-0" IN HEIGHT

WALL SCHEDULE - ALLOWABLE BRG. PRESSURE = 1500 PSF

| HEIGHT (H) | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 13' | 14' | 15' | 16' |
|----------------------|-------|-------|------|-------|-----|-------|-------|-------|-------|-----|-----|------|
| BASE WIDTH (B) | 32.5" | 36" | 42" | 49" | 55" | 61" | 67" | 75" | 82" | 91" | 97" | 107" |
| WALL THKNS (T) | 21.5" | 22.5" | 31" | 43" | 48" | 53" | 57.5" | 66" | 69.5" | 78" | 83" | 88" |
| EMBEDMENT (E) | 14.5" | 14.5" | 18" | 21.5" | 22" | 21.5" | 25" | 25" | 29" | 29" | 29" | 29" |
| MORTAR THICKNESS (M) | 9.5" | 12" | 12" | 14.5" | 17" | 18" | 19" | 20.5" | 22" | 22" | 28" | 30" |
| BATTER WIDTH (S) | 10" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 30" | 32" |
| KEY DEPTH (K) | 6" | 12.5" | 8.5" | 10" | 10" | 11" | 12" | 13" | 14.5" | 16" | 17" | 18" |
| TOE WIDTH (W) | 25" | 35" | 5" | 6" | 7" | 8.5" | 10" | 10" | 10" | 10" | 11" | |

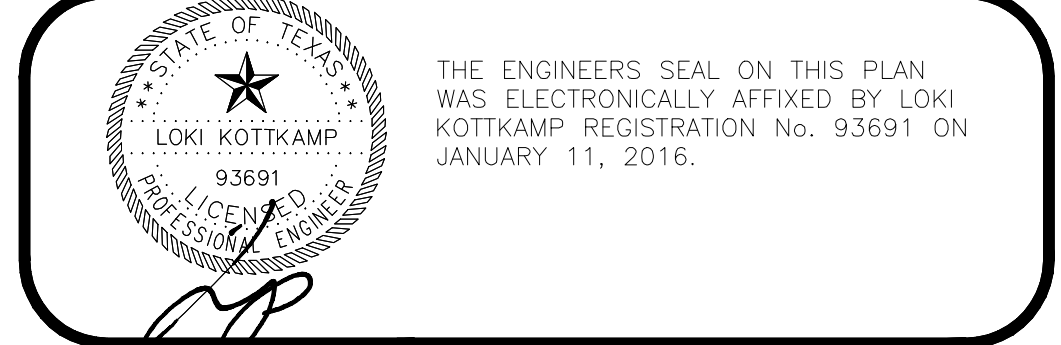
TYPICAL RETAINING WALL SECTION - REDUCED GRAVEL w/SURCHARGE LOADING
WALLS 12'-0" to 15'-0" IN HEIGHT

BLOCK F - LOTS 8-12

WALL SCHEDULE - RG. 4 SURCHARGE LOADING

| HEIGHT (H) | 12' | 13' | 14' | 15' | | | | | | | | | | | | | | | |
|----------------------|-----|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BASE WIDTH (B) | 95" | 99" | 107" | 116" | | | | | | | | | | | | | | | |
| WALL THKNS (T) | 82" | 86" | 97" | 103" | | | | | | | | | | | | | | | |
| EMBEDMENT (E) | 32" | 32" | 36" | 36" | | | | | | | | | | | | | | | |
| MORTAR THICKNESS (M) | 25" | 28" | 28" | 35" | | | | | | | | | | | | | | | |
| BATTER WIDTH (S) | 24" | 26" | 28" | 30" | | | | | | | | | | | | | | | |
| KEY DEPTH (K) | 16" | 18" | 20" | 22" | | | | | | | | | | | | | | | |
| TOE WIDTH (W) | 13" | 13" | 13" | 13" | | | | | | | | | | | | | | | |

| REVISIONS |
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THE ENGINEERS SEAL ON THIS PLAN WAS ELECTRONICALLY AFFIXED BY LOKI KOTKAMP REGISTRATION No. 93691 ON JANUARY 11, 2016.

D&E STRUCTURES
CONSULTING ENGINEERS
TX FIRM REG. #F-870

1010 E. ARAPHO ROAD, SUITE 106
RICHARDSON, TX 75081 214-741-3095

WALLCO RETAINING WALLS, INC.
THE PRESERVE - PHASE I
ROCKWALL, TEXAS
PLAN: STANDARD RW NOTES AND DETAILS
HIGHLAND DR. & EAST FORK ROAD

JOB # 220026-1
DATE 01/11/16
DRAWN BY
CHECKED BY LK

SHEET **S1.04**

BUILDING CODE OR APPLICABLE DESIGN STANDARDS

- INTERNATIONAL BUILDING CODE, 2009 EDITION

REFERENCED GEOTECHNICAL REPORT IF AVAILABLE/APPLICABLE

- FIRM: **ALPHA TESTING, INC.**
- REPORT NUMBER: **G140555-1**
- DATE: **07/13/15**
- ALLOWABLE BEARING CAPACITY(FOOTING): **2000 PSF**
- RECOMMENDED ACTIVE EQUIVALENT FLUID PRESSURE: **35 PSF** PER NOTE 3.

GENERAL

- THESE SPECIFICATIONS ARE APPLICABLE ONLY FOR WALLS 1'-6" TO 16'-0" IN RETAINED HEIGHT (H).

- TEMPORARY SLOPE - BY BUILDER, AS REQUIRED FOR SAFETY.

- LOADS AND FACTORS OF SAFETY

ACTIVE PRESSURES USED IN DESIGN FOR THE SOIL BACKFILL WERE DERIVED FROM COULOMB'S THEORY OF SOIL PRESSURE, CORRESPONDING TO A CLEAN GRAVEL-SAND BACKFILL PLACED AS SHOWN WITH AN INTERNAL FRICTION ANGLE OF 33. EQUIVALENT FLUID PRESSURE IS APPROXIMATELY 35 PSF PER FOOT OF RETAINED SOIL DEPTH.

PASSIVE PRESSURES FOR THE SOIL IN FRONT OF THE WALL FOOTING WERE DERIVED FROM COULOMB'S THEORY OF SOIL PRESSURE BASED ON IN-SITU SOIL OR PREPARED COMPACTED FILL PER THE REFERENCED GEOTECHNICAL REPORT ABOVE.

ALLOWABLE BEARING PRESSURES WERE BASED ON THE REFERENCED GEOTECHNICAL REPORT ABOVE. IF NO REPORT WAS MADE AVAILABLE, A MINIMUM ALLOWABLE BEARING PRESSURE OF 1500 PSF WAS USED FOR DESIGN.

SURCHARGE LOADS - UNLESS NOTED OTHERWISE ON THE DETAILS AND SCHEDULES SURCHARGE LOADS ARE NOT EXPECTED FOR STRUCTURES LOCATED WITHIN D=15H DISTANCE FROM RETAINING WALLS.

FACTORS OF SAFETY - A FACTOR OF SAFETY OF 2.0 FOR OVERTURNING AND 1.5 FOR SLIDING WAS USED FOR THE DETAILS AND SCHEDULES SHOWN ON THE FOLLOWING SHEETS.

- UNLESS NOTED OTHERWISE THE RETAINING WALL DETAILS AND SCHEDULES SHOWN DO NOT ACCOUNT FOR GLOBAL SLOPE STABILITY.

IF GLOBAL SLOPE STABILITY IS A CONCERN, A GEOTECHNICAL FIRM WITH EXPERIENCE IN GLOBAL STABILITY ANALYSES SHOULD BE RETAINED IN ORDER TO PROVIDE RECOMMENDATIONS FOR THE WALL DESIGN.

- COMPACTED BACKFILL SHALL BE PROPERLY PLACED AND COMPACTED TO MINIMUM 95 PERCENT OF STANDARD PROCTOR. COMPACTION VERIFICATION BY OTHERS.

- WEEP HOLE DRAINS - PROVIDE MINIMUM 3" Ø WEEP HOLES @ 10'-0".

- IF CONDITIONS CHANGE FROM THOSE DESCRIBED HEREIN, NOTIFY D&E STRUCTURES IMMEDIATELY TO DETERMINE THE EFFECT, IF ANY, ON THE RETAINING WALL DESIGN.

- FORMED VERTICAL CONTROL JOINTS ARE RECOMMENDED TO CONTROL SHRINKAGE CRACK LOCATIONS. CONTROL JOINTS SHOULD BE SPACED AT 20'-0" O.C. MAX. JOINTS SHALL BE AT LEAST 1/2" x 4".

- DRAINAGE, SEWER, OR OTHER MISCELLANEOUS CONDUIT SHALL NOT BE PLACED IN FRONT OF THE TOE OF THE WALL WITHOUT COORDINATION AND APPROVAL WITH D&E STRUCTURES.

MATERIALS

- ALL MORTAR SHALL BE TYPE "S", 2500 PSI. FULL HEAD & BED JOINT MORTAR IS REQUIRED. TESTING BY OTHERS, IF DESIRED SHALL CONFORM TO ASTM C270.
- ALL STONE SHALL BE EARTH-TONE COLORED, CLEAN, HARD, DENSE AND WEATHER RESISTANT 1/2" TO 18" MILSAP SANDSTONE FROM A MILSAP ROCK QUARRY. THE AVERAGE DENSITY OF THE SANDSTONE SHALL RANGE FROM 135 PCF TO 145 PCF.
- DRAINAGE MATERIAL - ON WALLS OVER 4'-0" IN HEIGHT, USE 1 1/2" TO 3" DIAMETER CRUSHED CONCRETE AND UP TO 6" DIAMETER SANDSTONE ROCK PLACED NOT COMPACTED. SANDSTONE NOT TO EXCEED 20% OF GRAVEL BACKFILL. WRAP IN FILTER FABRIC. FOR WALLS LESS THAN 4'-0" IN HEIGHT, USE 1 1/2" TO 6" CRUSHED CONCRETE OR SANDSTONE ROCK, WITH NO RESTRICTIONS ON PERCENTAGE OF USE FOR EITHER MATERIAL WRAP IN FILTER FABRIC.
- FILTER FABRIC SHALL BE TERRA TEX N045 BY HANES GEO COMPONENTS OR APPROVED EQUAL.

FOOTINGS

- ALL WALLS SHALL BE PROVIDED WITH A STONE AND MORTAR LEVELING COURSE AT THE BASE.
- ALL WALLS SHALL BE BEDDED IN FIRM IN-SITU OR COMPACTED FILL TO THE MINIMUM DEPTH SPECIFIED ON THE PLAN.

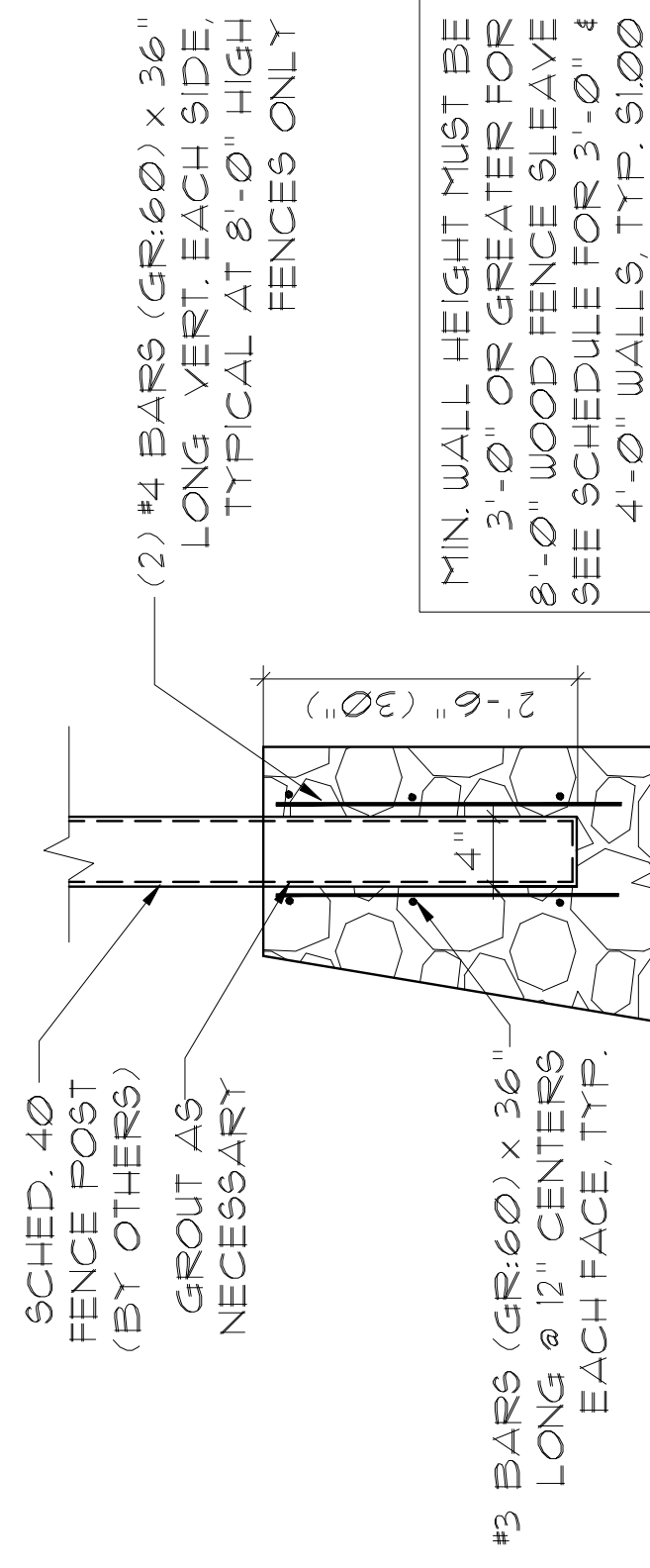
INSPECTION REQUIREMENTS

- BY OR UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER EXPERIENCED IN RETAINING WALL DESIGN AND CONSTRUCTION.
- FOOTING WIDTH AND EMBEDMENT
- DRAIN INSTALLATION
- CONTROL JOINT LOCATIONS
- INSPECTION IS PERFORMED ONLY TO DEVELOP A GENERAL OPINION REGARDING THE BUILDER'S COMPLIANCE WITH PROJECT SPECIFICATIONS. NO WARRANTY OR GUARANTEE IS PROVIDED.

EMBED DEPTH NOTES:

IN AREAS WHERE THE SLOPE BELOW THE WALL IS GREATER THAN OR EQUAL TO 3:1, THE MINIMUM EMBED DEPTH SHALL BE 3'-0".

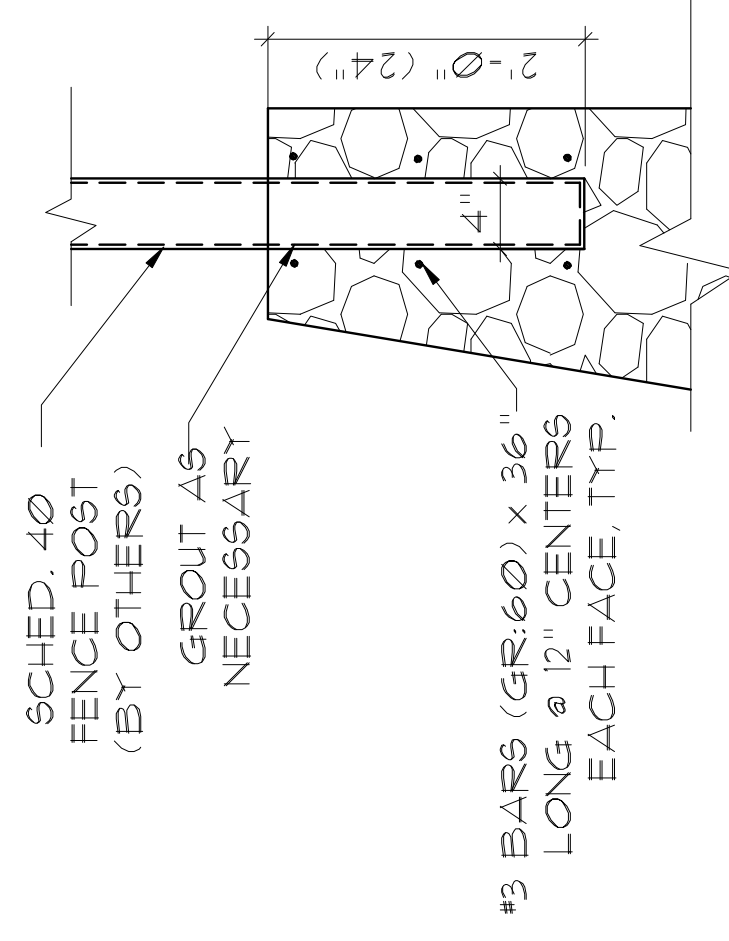
IN AREAS WHERE THE FRONT OF THE WALL IS ADJACENT TO A POND OR SIMILAR BODY OF WATER THE MINIMUM EMBED DEPTH SHALL BE INCREASED BY 1'-4" TO THE SCHEDULED EMBED DEPTH ABOVE.



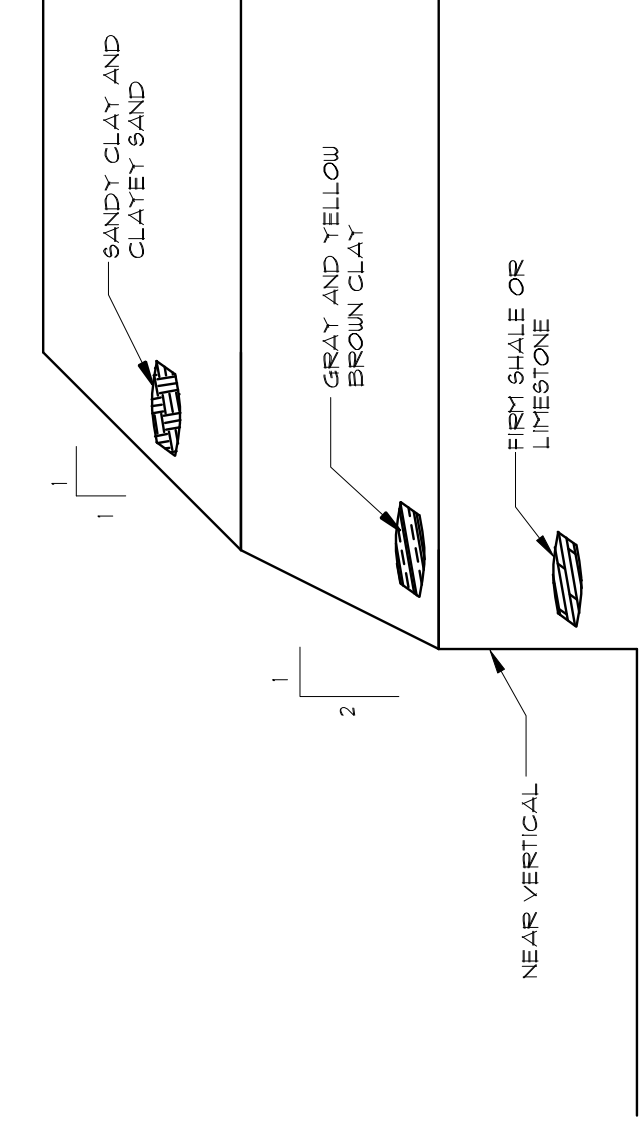
FENCE POST EMBED DETAIL - 6'-0" WOOD FENCE

| WALL SCHEDULE (6' FENCE) | |
|--------------------------|-----------------|
| HEIGHT (H) | N/A N/A 3' 4' |
| BASE WIDTH (B) | N/A N/A 25" 21" |
| TOP WIDTH (B1) | N/A N/A 12" 12" |
| EMBEDMENT (E) | N/A N/A 10" 12" |
| TOE WIDTH (TW) | N/A N/A 5" 7" |

USE THE SCHEDULE ABOVE ONLY WHEN 8'-0" HIGH BOARD-ON-BOARD FENCE POSTS ARE EMBEDDED INTO WALLS BETWEEN 3'-0" & 4'-0" IN HEIGHT. WE STRONGLY RECOMMEND THAT ALL 8'-0" HIGH FENCE POSTS BE PLACED OUTSIDE OF THE WALL HEIGHT OR PLACED INTO RETAINING WALLS WITH HEIGHT LESS THAN 3'-0". 8'-0" HIGH BOARD-ON-BOARD FENCE POSTS ARE NOT ALLOWED.



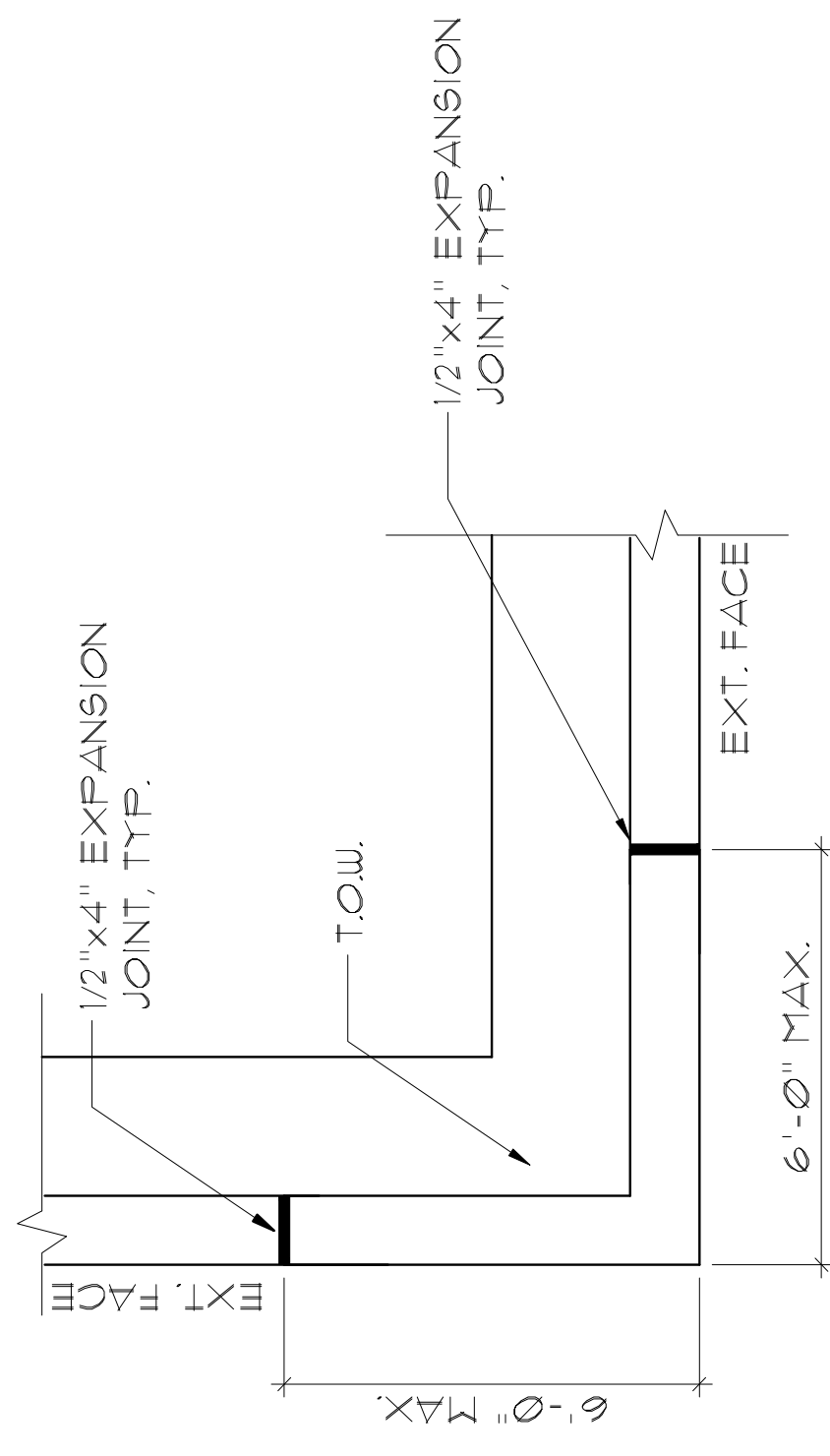
FENCE POST EMBED DETAIL - 6'-0" WOOD FENCE



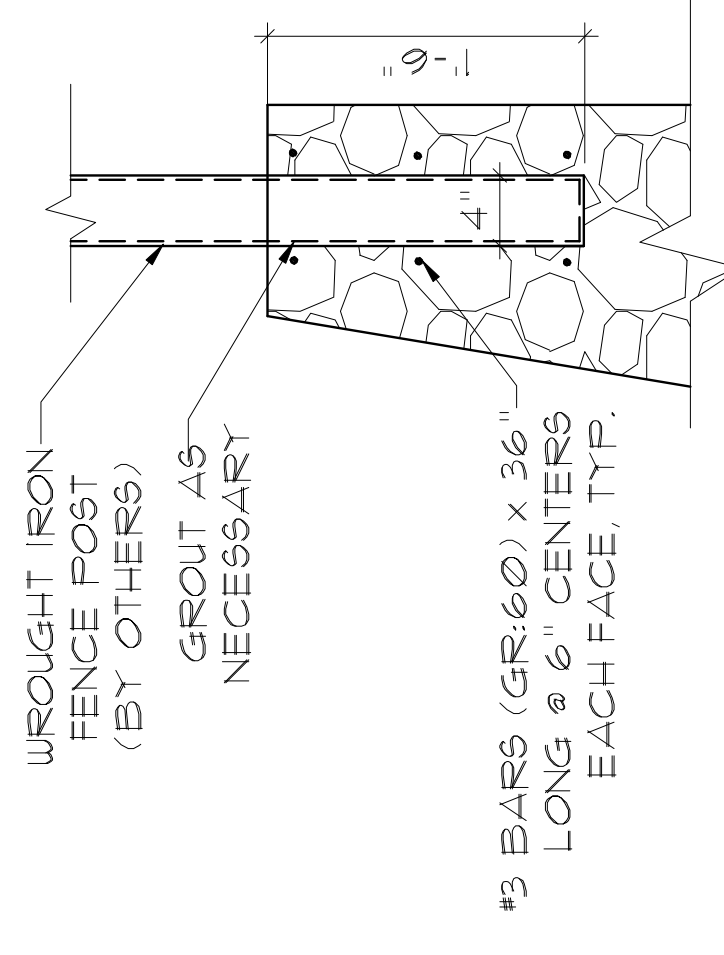
SLOPE AND BENCHING DIAGRAM - SIMPLE SLOPE

NOTES:

- NO EQUIPMENT OR SPOIL CLOSER THAN 3'-0" OR ONE-HALF THE DEPTH OF EXCAVATION, WHICHEVER IS GREATER, TO TOP OF SLOPE.
- ASSUMES ABSENCE OF GROUNDWATER. SEEPAGE CAN REQUIRE ADJUSTMENTS IN SLOPE ANGLES AND/OR DEWATERING.
- PRIOR TO CONSTRUCTION DAILY OBSERVATIONS OF SLOPE STABILITY REQUIRED. IF QUESTIONS OR CONCERNS REGARDING SLOPE STABILITY ARISE CONTACT D&E STRUCTURES.



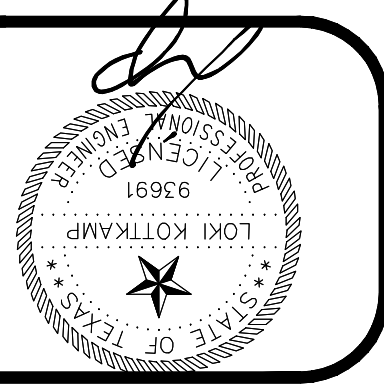
EXPANSION DETAIL AT CORNERS



FENCE POST EMBED DETAIL - WROUGHT IRON

REVISIONS

THE ENGINEERS SEAL ON THIS PLAN WAS ELECTRONICALLY AFFIXED BY LOKI KOTIKAMP REGISTRATION NO. 93691 ON JANUARY 11, 2016.



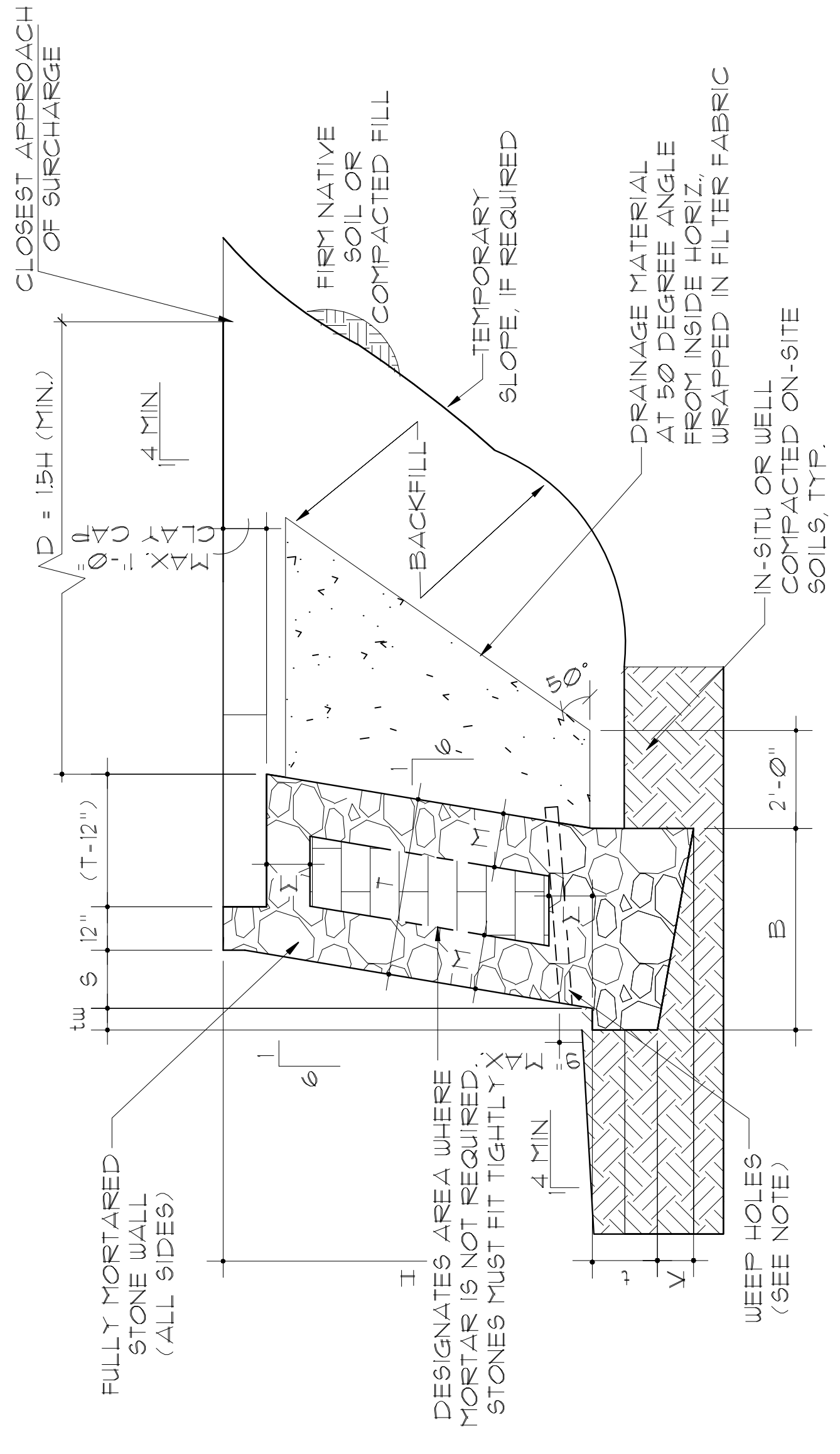
D&E STRUCTURES
CONSULTING ENGINEERS
TX FIRM REG. #E-870
1010 E. ARAPHO ROAD, SUITE 106
RICHARDSON, TX 75081 214-741-3095

WALLCO RETAINING WALLS, INC.
THE PRESERVE - PHASE 1
ROCKWALL, TEXAS
PLAN: STANDARD RW NOTES AND DETAILS
HIGHLAND DR. & EAST FORK ROAD

JOB # 220026-1
DATE 01/11/16
DRAWN BY
CHECKED BY UK

SHEET
\$1.00

DESIGNED SPECIFICALLY FOR WALLCO
RETAINING WALLS, INC. FOR MORE INFORMATION
CONTACT ERIC PADRON OR GARY BARKS
AT 817-561-4901



TYPICAL RETAINING WALL SECTION
WALLS 5'-0" TO 16'-0" IN HEIGHT

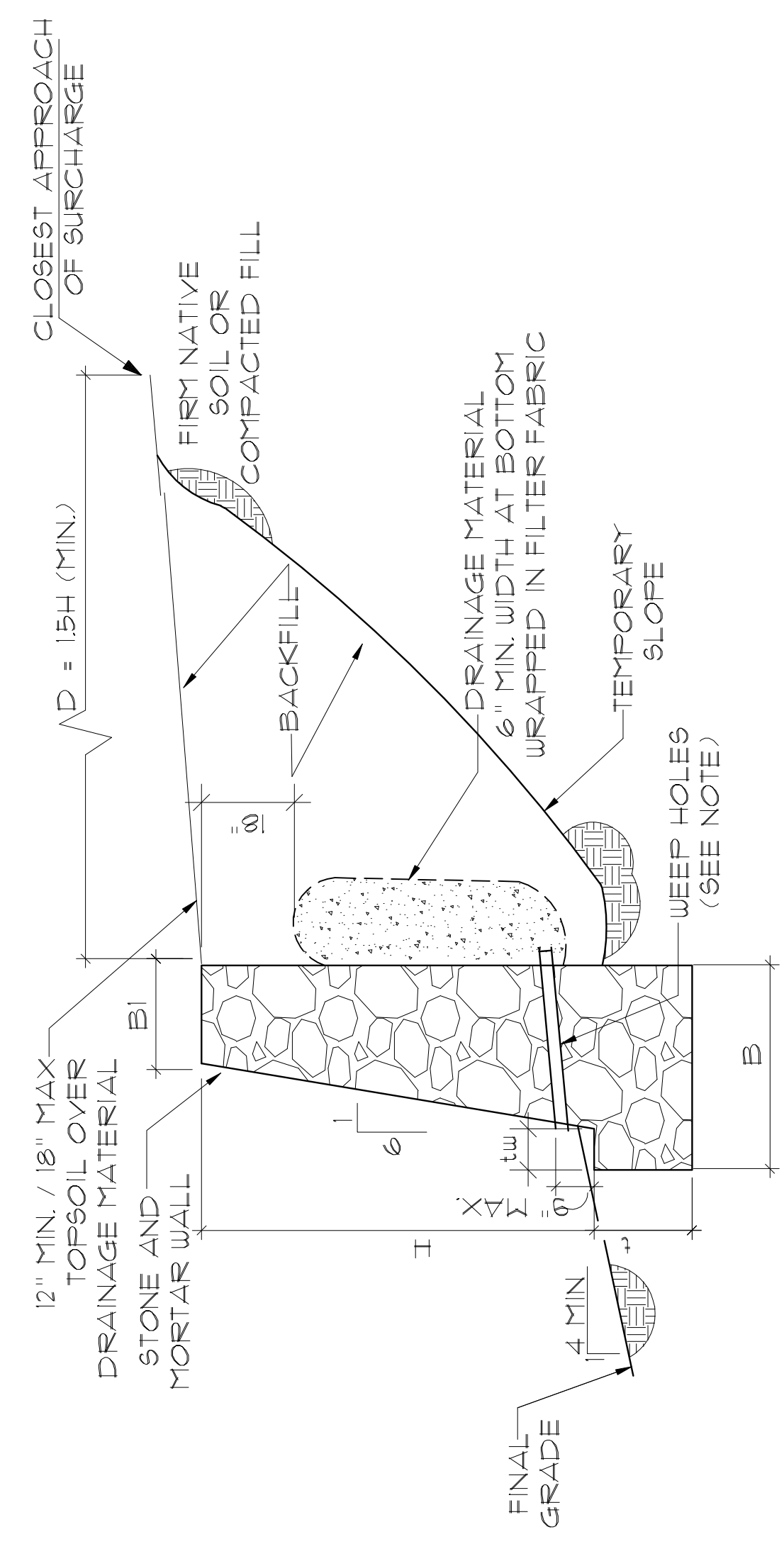
WALL SCHEDULE - ALLOWABLE BRG. PRESSURE = 2000 PSF

| HEIGHT (H) | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 13' | 14' | 15' | 16' |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| BASE WIDTH (B) | 21" | 30" | 41" | 46" | 51" | 56" | 63" | 66" | 73" | 77" | 81" | |
| WALL THKNS (T) | 23" | 27" | 31" | 36" | 40" | 44" | 48" | 55" | 58" | 65" | 69" | 73" |
| EMBEDMENT (L) | 12" | 12" | 15" | 18" | 18" | 18" | 21" | 21" | 24" | 24" | 24" | 24" |
| MORTAR THICKNESS (M) | 8" | 10" | 10" | 12" | 14" | 15" | 16" | 17" | 18" | 18" | 23" | 25" |
| BATTER WIDTH (S) | 10" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 30" | 32" |
| KEY DEPTH (K) | 5" | 6" | 7" | 8" | 8" | 9" | 10" | 11" | 12" | 13" | 14" | 15" |
| TOE WIDTH (tw) | 2" | 3" | 4" | 5" | 6" | 7" | 8" | 8" | 8" | 8" | 8" | 9" |

SURCHARGE SCHEDULE

WALL SCHEDULE - SURCHARGE LOADING

| HEIGHT (H) | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 13' | 14' | 15' | 16' |
|----------------------|------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|------|
| BASE WIDTH (B) | 34" | 51.5" | 55" | 56.5" | 75" | 76.5" | 78" | 79" | 82.5" | 91.5" | 96.5" | 101" |
| WALL THKNS (T) | 29" | 34" | 39" | 45" | 50" | 55" | 60" | 63" | 72.5" | 81.5" | 86.5" | 91" |
| EMBEDMENT (L) | 15" | 15" | 18" | 23" | 23" | 23" | 23" | 26" | 26" | 30" | 30" | 30" |
| MORTAR THICKNESS (M) | 10" | 12.5" | 12.5" | 15" | 17.5" | 19" | 20" | 21" | 22.5" | 22.5" | 23" | 25" |
| BATTER WIDTH (S) | 10" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 30" | 32" |
| KEY DEPTH (K) | 6.5" | 7.5" | 9" | 10" | 10" | 11.5" | 12.5" | 14" | 15" | 16" | 17.5" | 19" |
| TOE WIDTH (tw) | 2.5" | 4" | 5" | 6.25" | 7.5" | 8.75" | 10" | 10" | 10" | 10" | 10" | 10" |



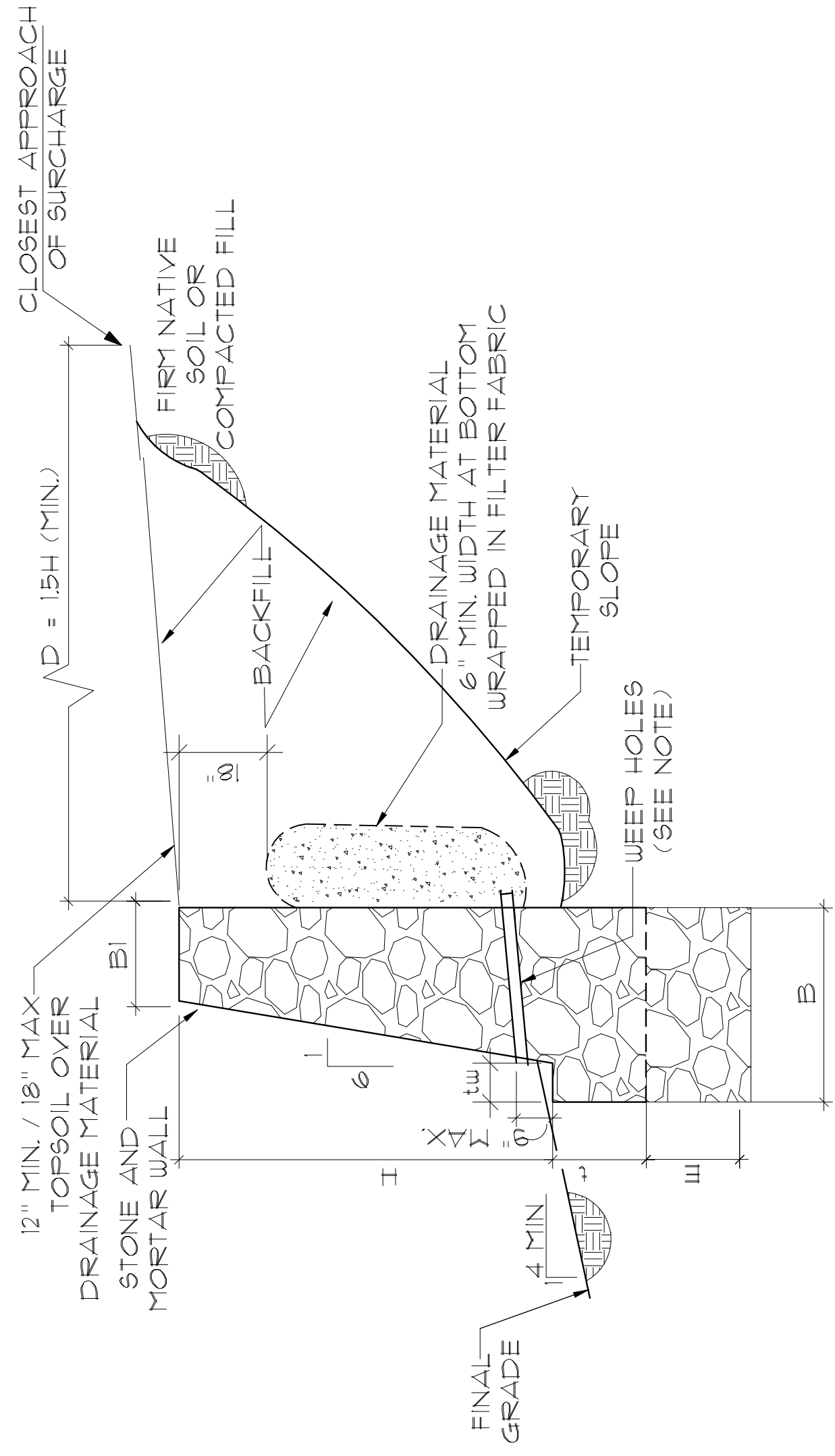
TYPICAL RETAINING WALL SECTION
WALLS 4'-0" OR LESS IN HEIGHT

WALL SCHEDULE

| HEIGHT (H) | 1.5' | 2' | 3' | 4' |
|----------------|------|-----|-----|-----|
| BASE WIDTH (B) | 15" | 16" | 22" | 25" |
| TOP WIDTH (B1) | 12" | 12" | 12" | 12" |
| EMBEDMENT (L) | 6" | 9" | 10" | 12" |
| TOE WIDTH (tw) | 0" | 0" | 2" | 5" |

SCHEDULE - SURCHARGE

| HEIGHT (H) | 1.5' | 2' | 3' | 4' |
|----------------|------|-----|-----|-----|
| BASE WIDTH (B) | 18" | 20" | 28" | 31" |
| TOP WIDTH (B1) | 12" | 12" | 12" | 12" |
| EMBEDMENT (L) | 12" | 12" | 13" | 15" |
| TOE WIDTH (tw) | 3" | 4" | 10" | 11" |

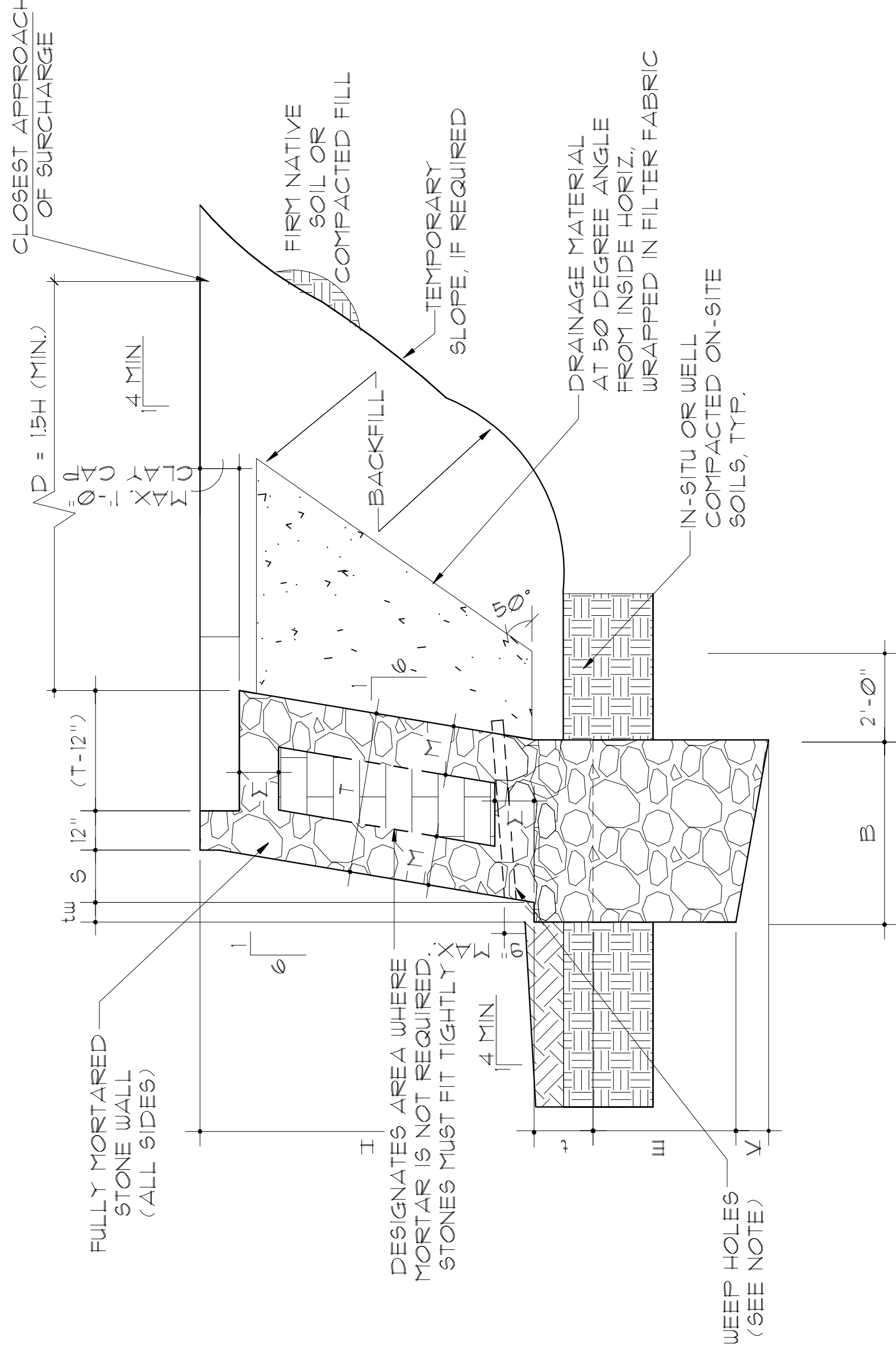


TYPICAL RETAINING WALL SECTION AT PONDS

WALLS 4'-0" OR LESS IN HEIGHT

| WALL SCHEDULE | |
|--------------------|-----------------|
| HEIGHT (H) | 15" 2' 3' 4' |
| BASE WIDTH (B) | 15" 16" 22" 25" |
| TOP WIDTH (B) | 12" 12" 12" 12" |
| EMBEDMENT (I) | 6" 9" 10" 12" |
| TOE WIDTH (tw) | 0" 0" 2" 5" |
| EMBED INCREASE (E) | 16" 16" 16" 16" |

| SCHEDULE - SURCHARGE | |
|----------------------|-----------------|
| HEIGHT (H) | 15" 2' 3' 4' |
| BASE WIDTH (B) | 18" 20" 28" 31" |
| TOP WIDTH (B) | 12" 12" 12" 12" |
| EMBEDMENT (I) | 6" 11" 13" 15" |
| TOE WIDTH (tw) | 3" 4" 10" 11" |
| EMBED INCREASE (E) | 16" 16" 16" 16" |



TYPICAL RETAINING WALL SECTION - AT POND LOCATIONS

WALLS 5'-0" TO 16'-0" IN HEIGHT

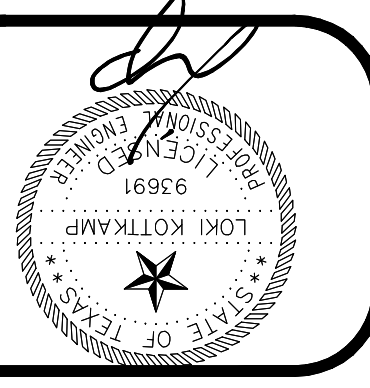
| WALL SCHEDULE - ALLOWABLE BRG. PRESSURE = 2000 PSF | |
|--|---|
| HEIGHT (H) | 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' |
| BASE WIDTH (B) | 27" 30" 35" 41" 46" 51" 56" 63" 66" 73" 77" 81" |
| WALL THICKS (T) | 23" 27" 31" 36" 40" 44" 48" 55" 58" 65" 69" 73" |
| EMBEDMENT (I) | 12" 12" 15" 18" 18" 18" 21" 21" 24" 24" 24" |
| MORTAR THICKNESS (M) | 8" 10" 10" 12" 14" 15" 16" 17" 18" 18" 23" 25" |
| BATTER WIDTH (S) | 12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 32" |
| KEY DEPTH (K) | 5" 6" 7" 8" 8" 9" 10" 11" 12" 13" 14" 15" |
| TOE WIDTH (tw) | 3" 4" 5" 6" 7" 8" 8" 8" 8" 8" 9" |
| EMBED INCREASE (E) | 16" 16" 16" 16" 16" 16" 16" 16" 16" 16" 16" |

SURCHARGE SCHEDULE - AT POND LOCATIONS

| WALL SCHEDULE - SURCHARGE LOADING | |
|-----------------------------------|--|
| HEIGHT (H) | 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' |
| BASE WIDTH (B) | 34" 37.5" 55" 60.5" 71.5" 76.75" 100" 109" 122.5" 131.5" 146.5" 160" |
| WALL THICKS (T) | 29" 34" 39" 45" 50" 55" 60" 69" 72.5" 81.5" 86.5" 91" |
| EMBEDMENT (I) | 15" 15" 18" 23" 23" 23" 26" 26" 30" 30" 30" |
| MORTAR THICKNESS (M) | 10" 12.5" 12.5" 15" 17.5" 19" 20" 21" 22.5" 22.5" 23" 25" |
| BATTER WIDTH (S) | 10" 12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 32" |
| KEY DEPTH (K) | 6.5" 7.5" 9" 10" 10" 11.5" 12.5" 14" 15" 16" 17.5" 19" |
| TOE WIDTH (tw) | 2.5" 4" 5" 6.25" 7.5" 8.75" 10" 10" 10" 10" 10" 10" |
| EMBED INCREASE (E) | 16" 16" 16" 16" 16" 16" 16" 16" 16" 16" 16" 16" |

REVISIONS

THE ENGINEERS SEAL ON THIS PLAN WAS ELECTRONICALLY AFFIXED BY LOKI KOTTAMP REGISTRATION NO. 93691 ON JANUARY 11, 2016.



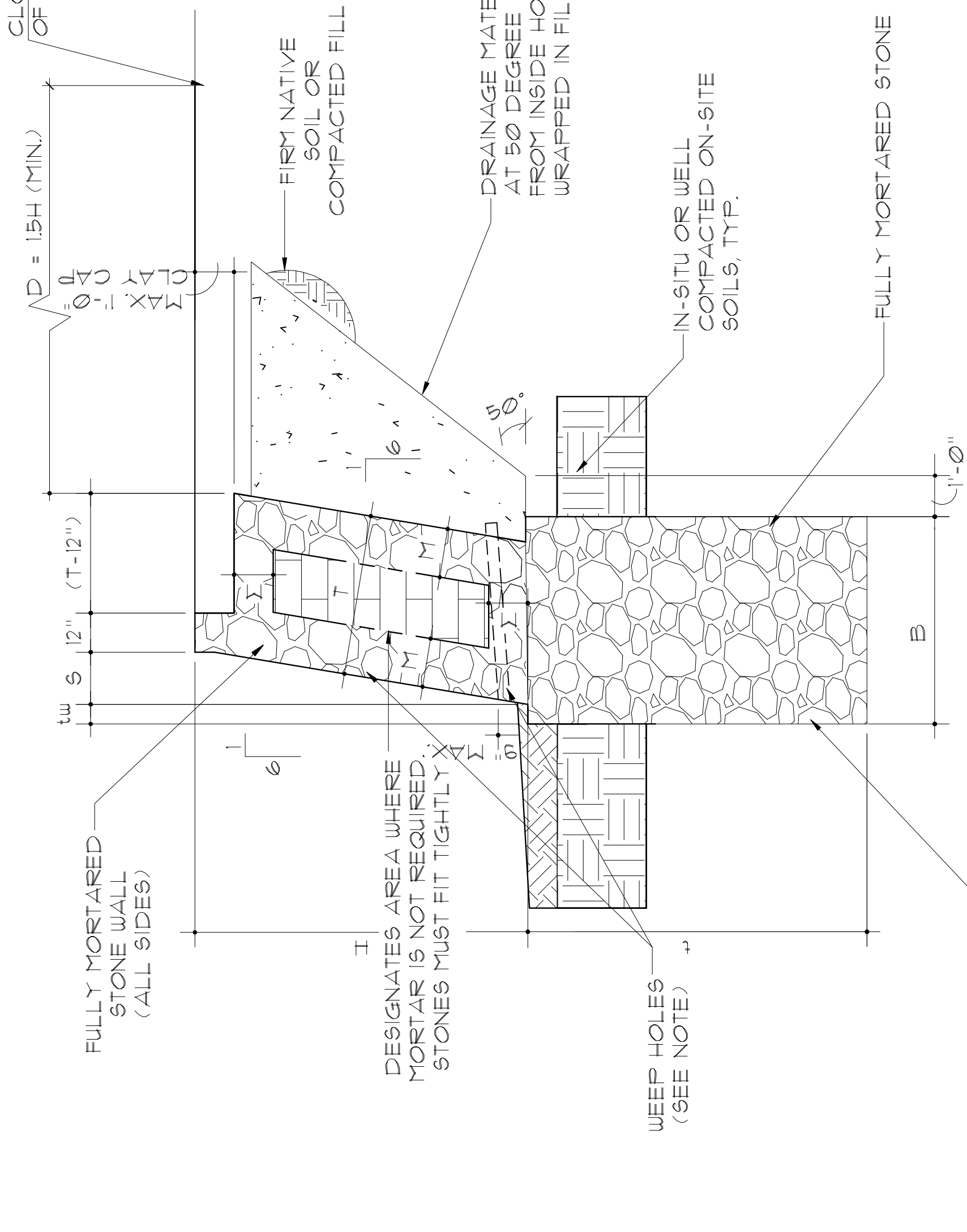
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THE PRESERVE - PHASE I
ROCKWALL, TEXAS
PLAN: STANDARD RW NOTES AND DETAILS
HIGHLAND DR. & EAST FORK ROAD

JOB # 220026-1
DATE 01/11/16
DRAWN BY
CHECKED BY LK

SHEET
\$1.02

CLOSEST APPROACH
OF SURCHARGE (IF APPLICABLE)



INCREASE EMBED
NEXT TO FLOOD PLAIN
RE: GEOTECH

TYPICAL RETAINING WALL SECTION AT SLOPE STABILITY LOCATIONS
WALLS 5'-0" TO 20'-0" IN HEIGHT

SCHEDULE - AT SLOPE STABILITY LOCATIONS

WALL SCHEDULE ALLOWABLE BEARING PRESSURE = 2000 PSF

| HEIGHT (H) | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 13' | 14' | 15' | 16' |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| BASE WIDTH (B) | 30" | 36" | 42" | 48" | 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" |
| WALL THKNS (T) | 23" | 27" | 31" | 36" | 40" | 44" | 48" | 55" | 50" | 65" | 69" | 73" |
| EMBEDMENT (I) | 15" | 18" | 21" | 24" | 27" | 30" | 33" | 36" | 39" | 42" | 45" | 48" |
| MORTAR THICKNESS (M) | 0" | 0" | 0" | 0" | 0" | 0" | 0" | 12" | 14" | 17" | 18" | 23" |
| BATTER WIDTH (S) | 0" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 30" | 32" |
| TOE WIDTH (tw) | 2" | 3" | 4" | 5" | 6" | 7" | 8" | 8" | 8" | 8" | 8" | 9" |

* F DESIGNATES FULLY MORTARED WALLS

USE WALL SCHEDULE ON SHEET FOR 8:1
FOR WALLS OF 4'-0" IN HEIGHT OR LESS

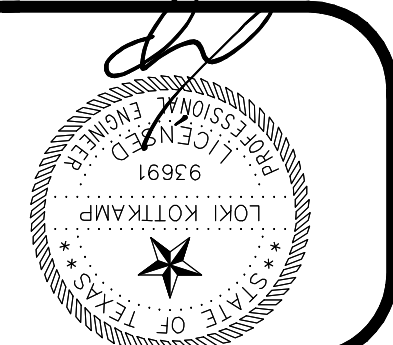
SURCHARGE SCHEDULE - AT SLOPE STABILITY LOCATIONS

WALL SCHEDULE - SURCHARGE LOADING

| HEIGHT (H) | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 13' | 14' | 15' | 16' |
|----------------------|------|-------|-------|-------|-------|-------|-----|-----|-------|-------|-------|------|
| BASE WIDTH (B) | 34" | 51.5" | 55" | 56.5" | 57.5" | 67.5" | 70" | 79" | 82.5" | 91.5" | 96.5" | 101" |
| WALL THKNS (T) | 29" | 34" | 39" | 45" | 50" | 55" | 60" | 69" | 72.5" | 81.5" | 86.5" | 91" |
| EMBEDMENT (I) | 15" | 18" | 21" | 24" | 27" | 30" | 33" | 36" | 39" | 42" | 45" | 48" |
| MORTAR THICKNESS (M) | 0" | 12.5" | 12.5" | 15" | 17.5" | 19" | 20" | 21" | 22.5" | 22.5" | 23" | 25" |
| BATTER WIDTH (S) | 0" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 30" | 32" |
| TOE WIDTH (tw) | 2.5" | 4" | 5" | 6.25" | 7.5" | 8.75" | 10" | 10" | 10" | 10" | 10" | 10" |

REVISIONS

THE ENGINEERS SEAL ON THIS PLAN
WAS ELECTRONICALLY AFFIXED BY LOKI
KOTTAMP REGISTRATION NO. 93691 DN
JANUARY 11, 2016.



D&E STRUCTURES
CONSULTING ENGINEERS
TX FIRM REG. #F-870
1010 E. ARAPHO ROAD, SUITE 106
RICHARDSON, TX 75081 214-741-3095

WALCO RETAINING WALLS, INC.
THE PRESERVE - PHASE I
ROCKWALL, TEXAS
PLAN: STANDARD RW NOTES AND DETAILS
HIGHLAND DR. & EAST FORK ROAD

JOB # 220026-1
DATE 01/11/16
DRAWN BY
CHECKED BY LK

SHEET
1.03