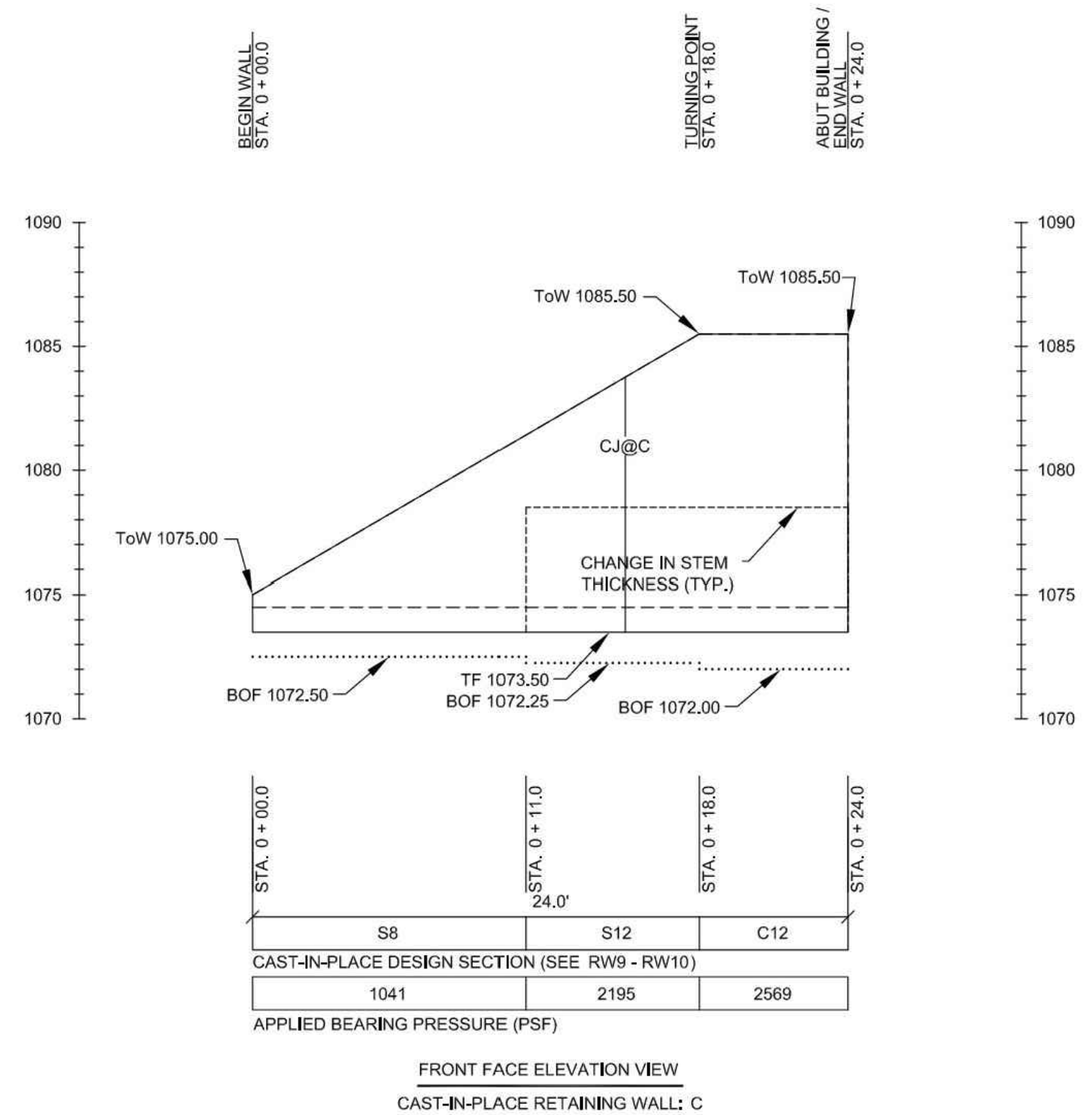




LEGEND - CAST-IN-PLACE WALL	
TF	TOP OF FOOTING
ToW	TOP OF WALL
BOF	BOTTOM OF FOOTING
---	PROPOSED GRADE AT WALL
CJ	CJ (CONTROL JOINT/CONSTRUCTION JOINT)
EJ	EJ (EXPANSION JOINT)
CJ@C	CJ@C (CONSTRUCTION JOINT AT CORNER)

NOTE: CONSTRUCTION VERIFICATION OF THE WALL INSTALLATION BY AN ENGINEER IS REQUIRED AND MUST BE PROVIDED BY A KNOWLEDGEABLE GEOTECHNICAL ENGINEER FAMILIAR WITH MECHANICALLY STABILIZED STRUCTURES.

REVISION / ISSUE

ISS.	DATE	DESCRIPTION
1	06/15/23	ISSUE FOR CONSTRUCTION
2	04/14/26	REVISED PER NEW GRADING PLAN

DRAWN BY: MCG
DESIGNED BY: MCG
CHECKED BY: LGP
DATE: 06/15/23
SCALE: AS NOTED

GEORGIA REGISTERED PROFESSIONAL ENGINEER
LANCE G. PARSONS
9/11/20

PLOT HOLDERS
755 SOUTH ST. #855
PHILADELPHIA, PA 19147
TEL: (215) 259-8255
CLIENT

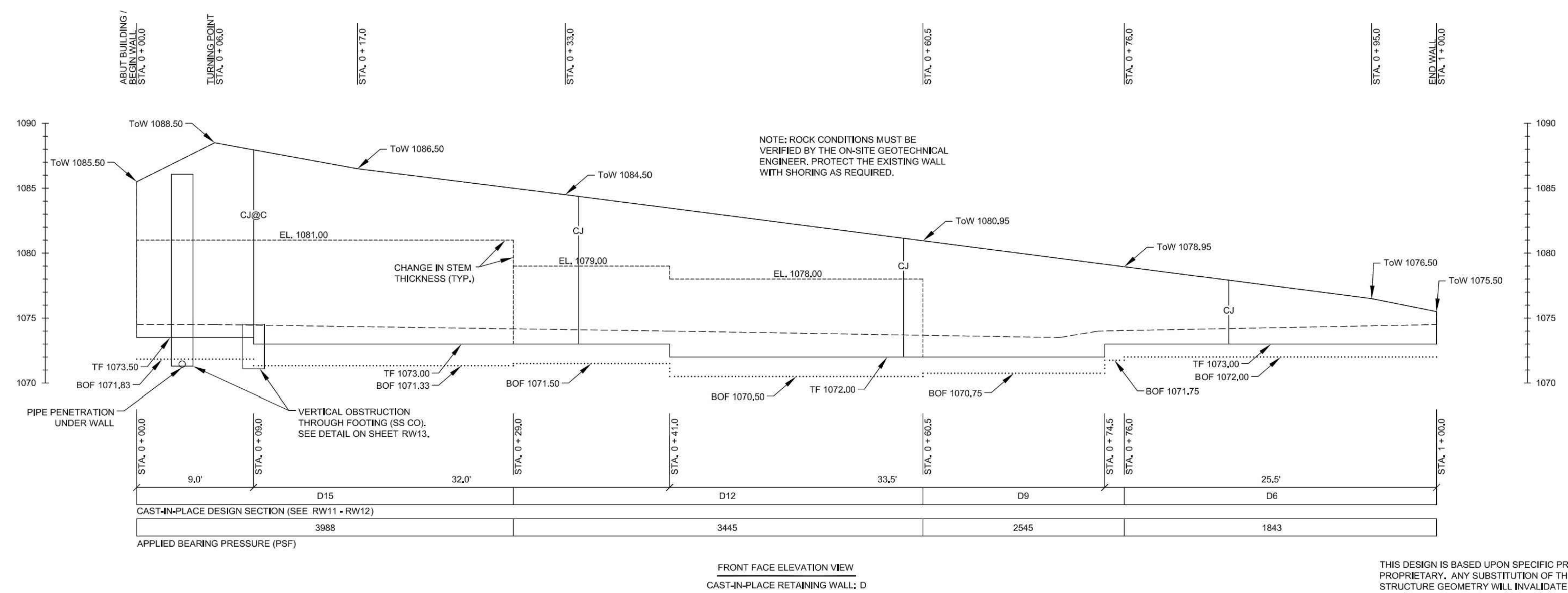
EES
ENGINEERED EARTH SOLUTIONS, LLC.
441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM

QR CODE
ENGINEER

UPPER HEMBREE
ROAD HEALTHCARE

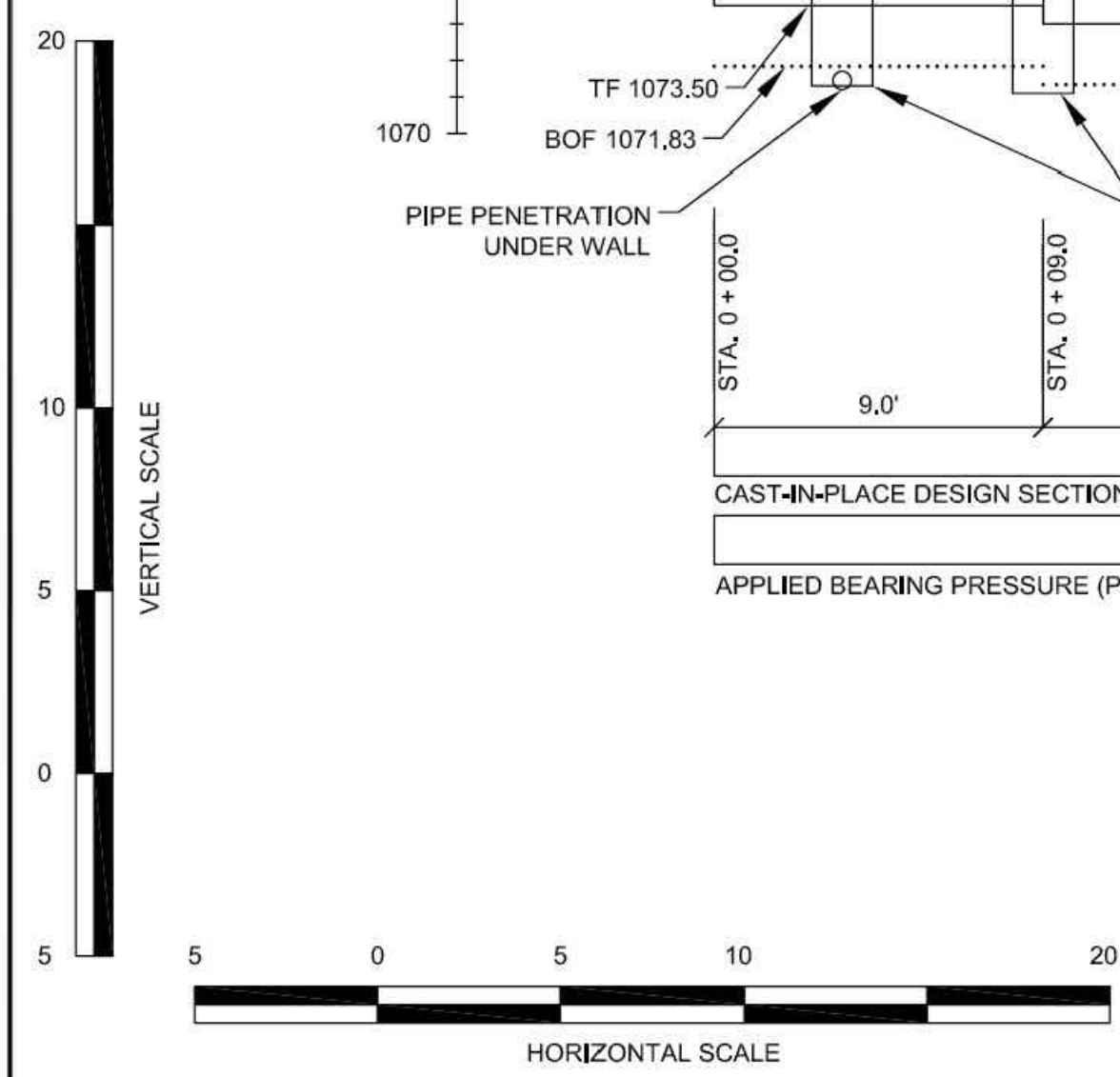
GEORGIA
ALPHARETTA

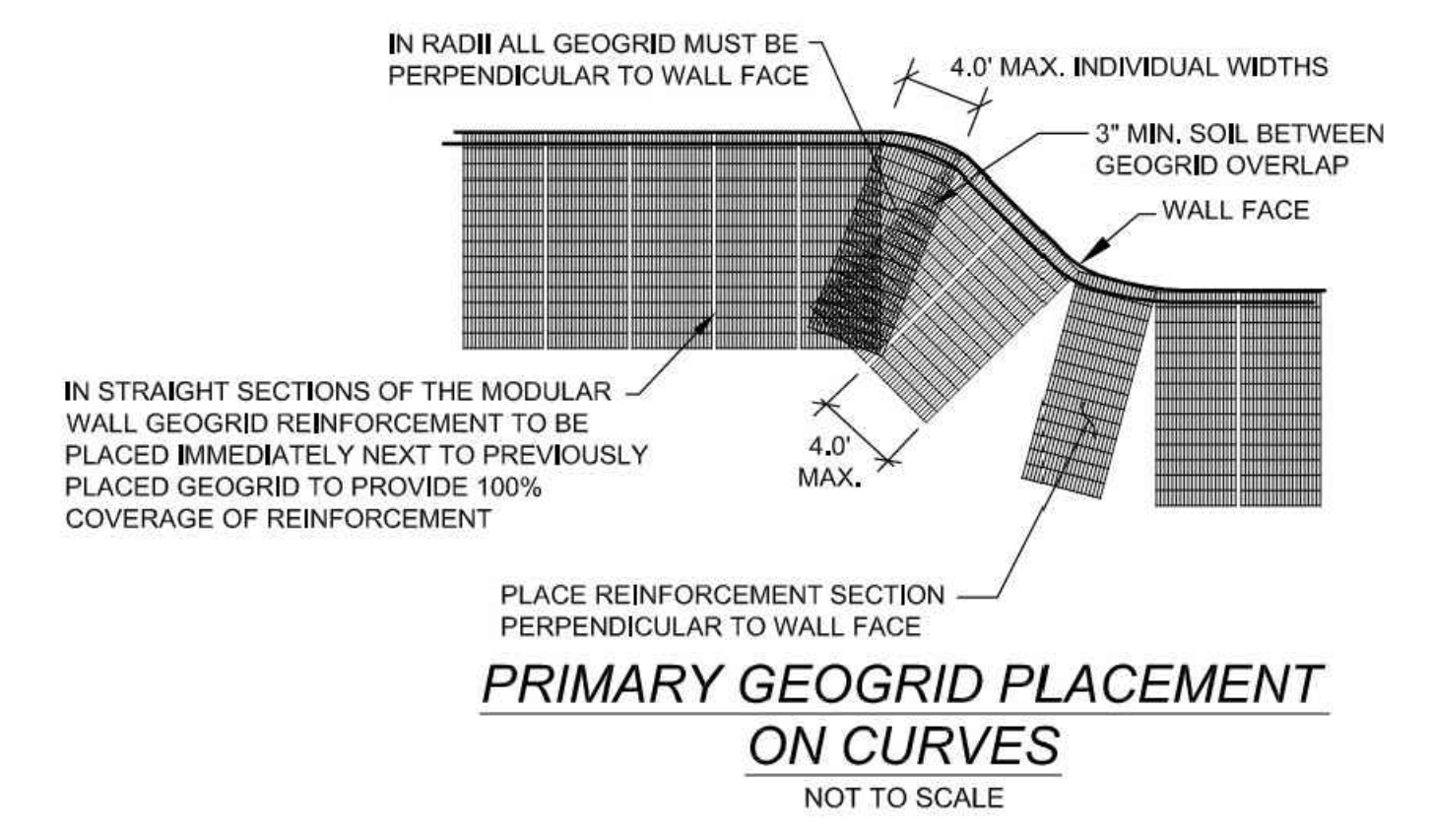
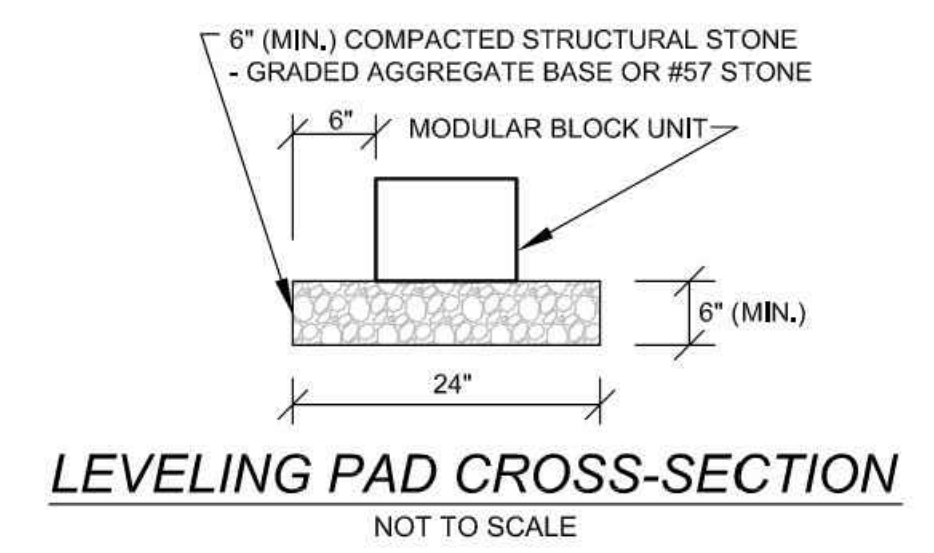
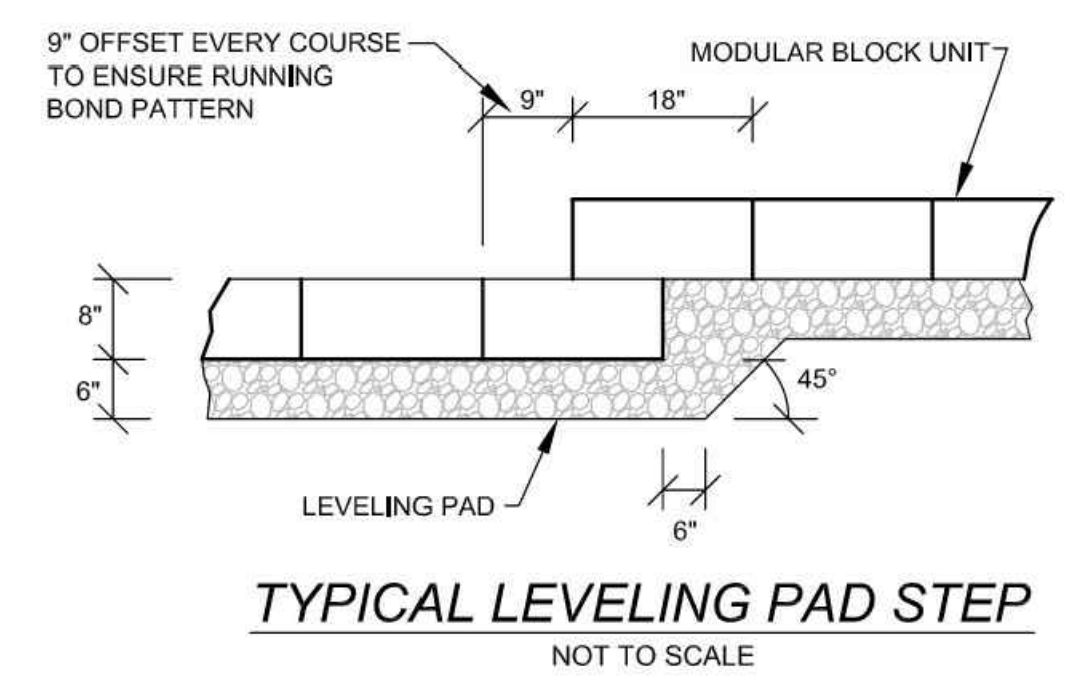
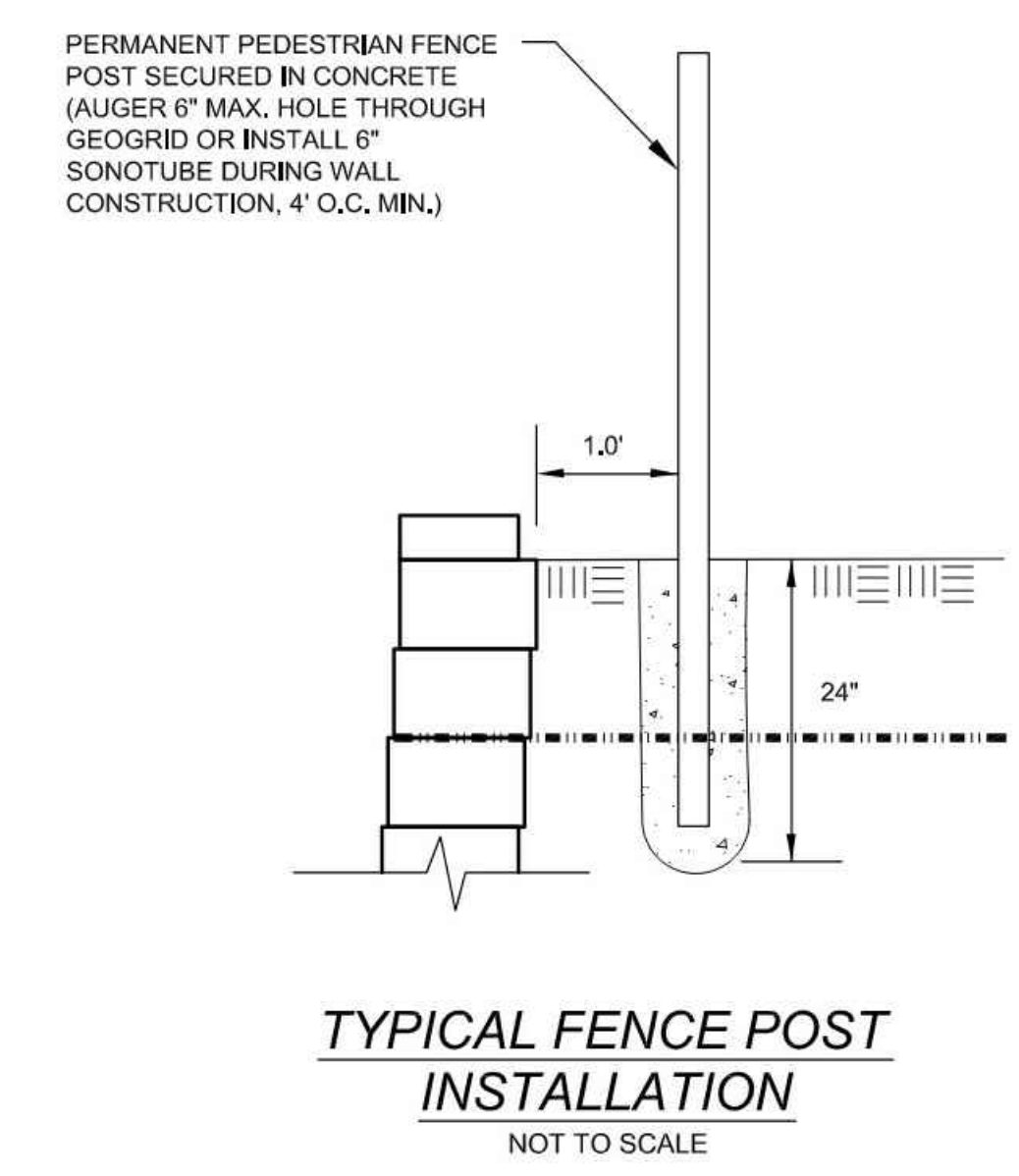
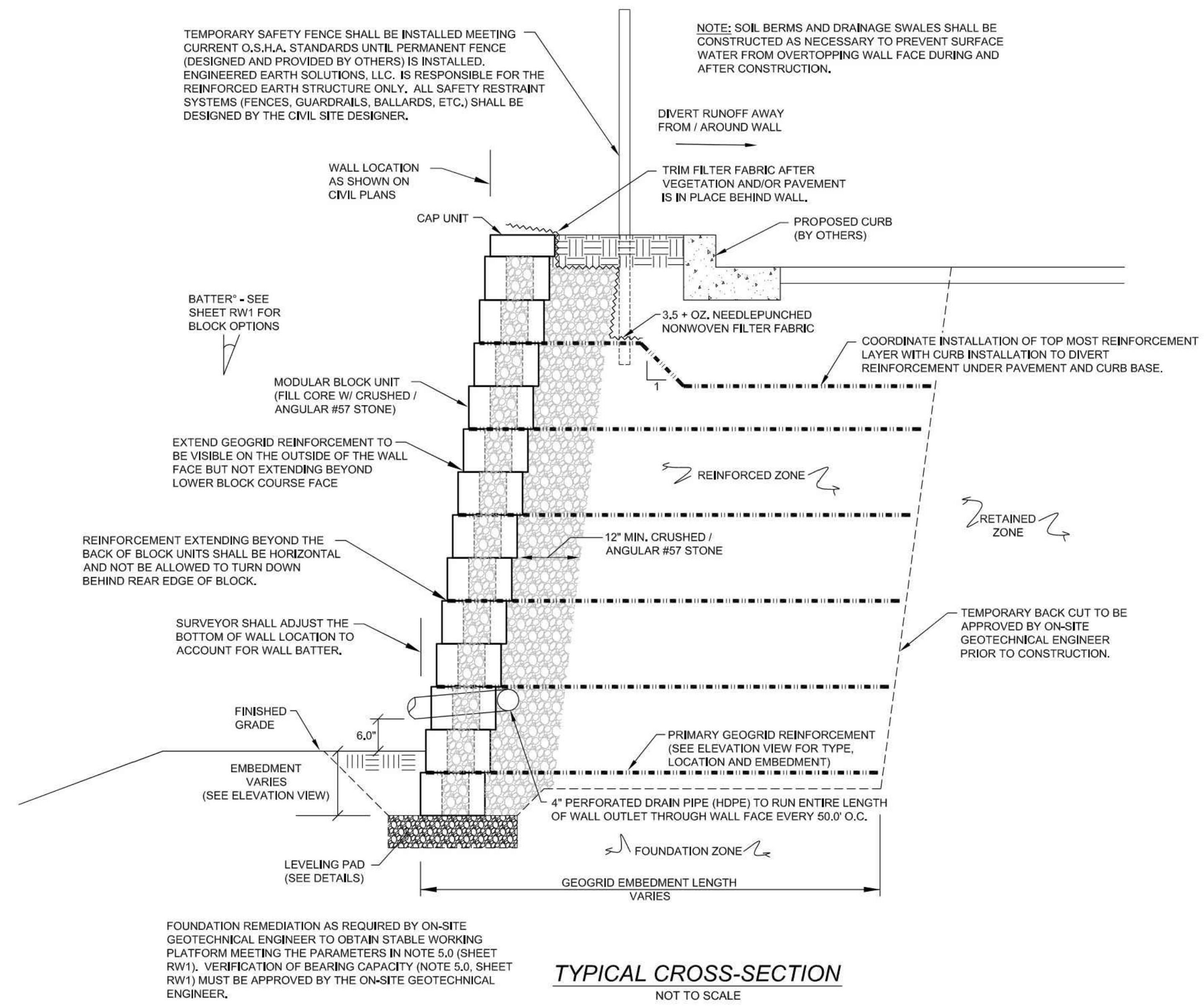
ELEVATION
VIEW SHEET
SHEET
RW5
OF 13
PROJECT No. Z23-0338



THIS DESIGN IS BASED UPON SPECIFIC PROPERTIES OF MATERIALS WHICH ARE PROPRIETARY. ANY SUBSTITUTION OF THE SPECIFIED PRODUCTS OR CHANGE IN STRUCTURE GEOMETRY WILL INVALIDATE THIS DESIGN. THIS DRAWING IS BEING FURNISHED FOR USE ON THIS SPECIFIC PROJECT ONLY. ANY PARTY ACCEPTING THIS DOCUMENT DOES SO IN CONFIDENCE AND AGREES THAT IT SHALL NOT BE DUPLICATED, IN WHOLE OR IN PART, NOR DISCLOSED TO OTHERS WITHOUT THE CONSENT OF ENGINEERED EARTH SOLUTIONS, LLC. THIS DRAWING, DESIGN NOTES, AND ASSOCIATED CALCULATIONS HAVE BEEN PREPARED BY ENGINEERED EARTH SOLUTIONS, LLC. FROM INFORMATION PROVIDED BY OTHERS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION CONTAINED HEREIN IS THE RESPONSIBILITY OF THE USER.

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NO.	DESCRIPTION
1	ISSUE FOR CONSTRUCTION
2	REVISED PER NEW GRADING PLAN

DRAWN BY:	MCG
DESIGNED BY:	MCG
CHECKED BY:	LGP
DATE:	06/15/23
SCALE:	AS NOTED

AS NOTED

PLOT HOLDERS

755 SOUTH ST. #855
PHILADELPHIA, PA 19147
TEL: (215) 259-8255

CLIENT

EES
ENGINEERED EARTH SOLUTIONS, LLC.
441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM


ENGINEER

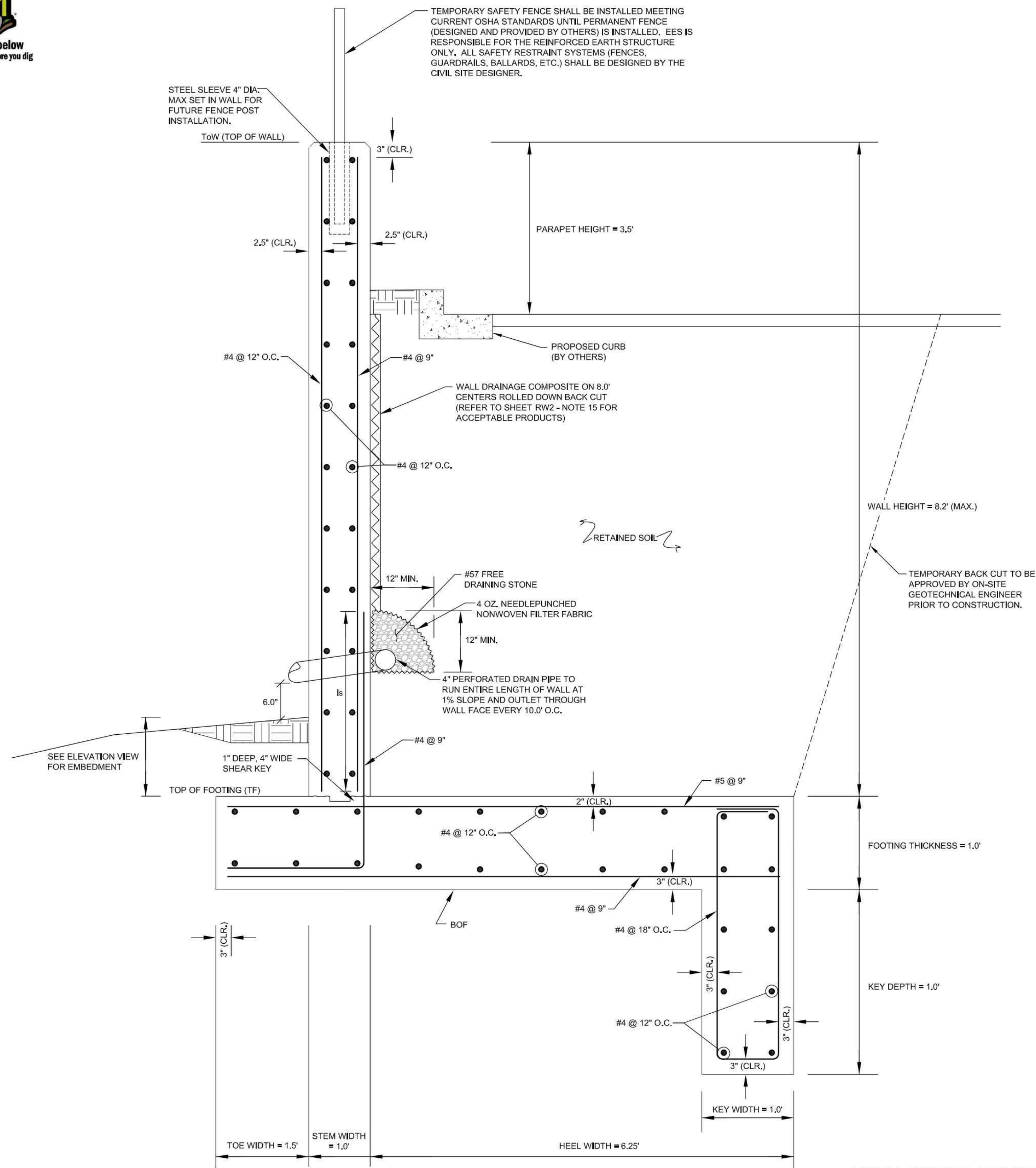
UPPER HEMBREE ROAD HEALTHCARE

GEORGIA
ALPHARETTA

DETAIL SHEET

SHEET
RW6
OF 13

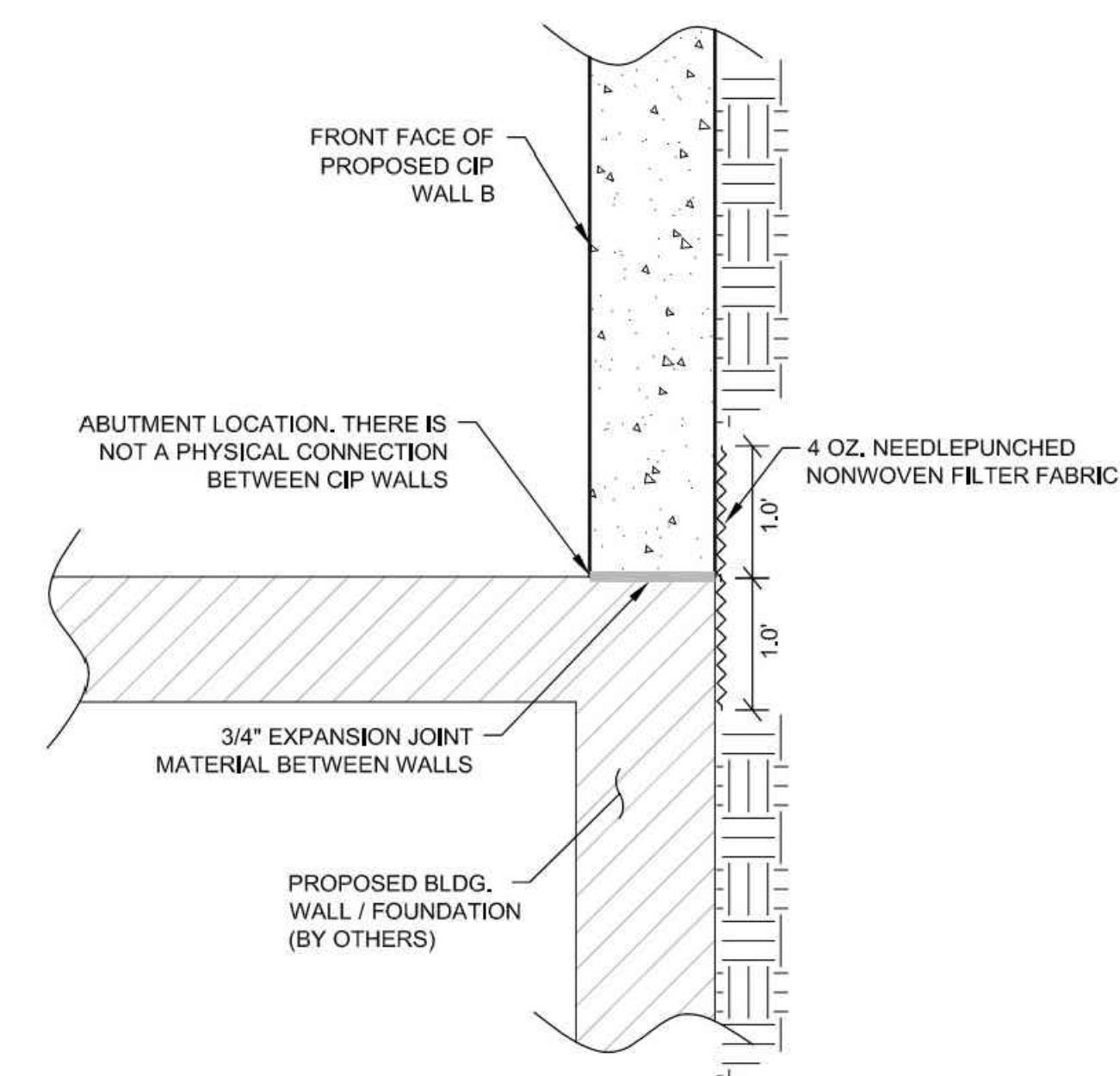
PROJECT No: Z23-0338



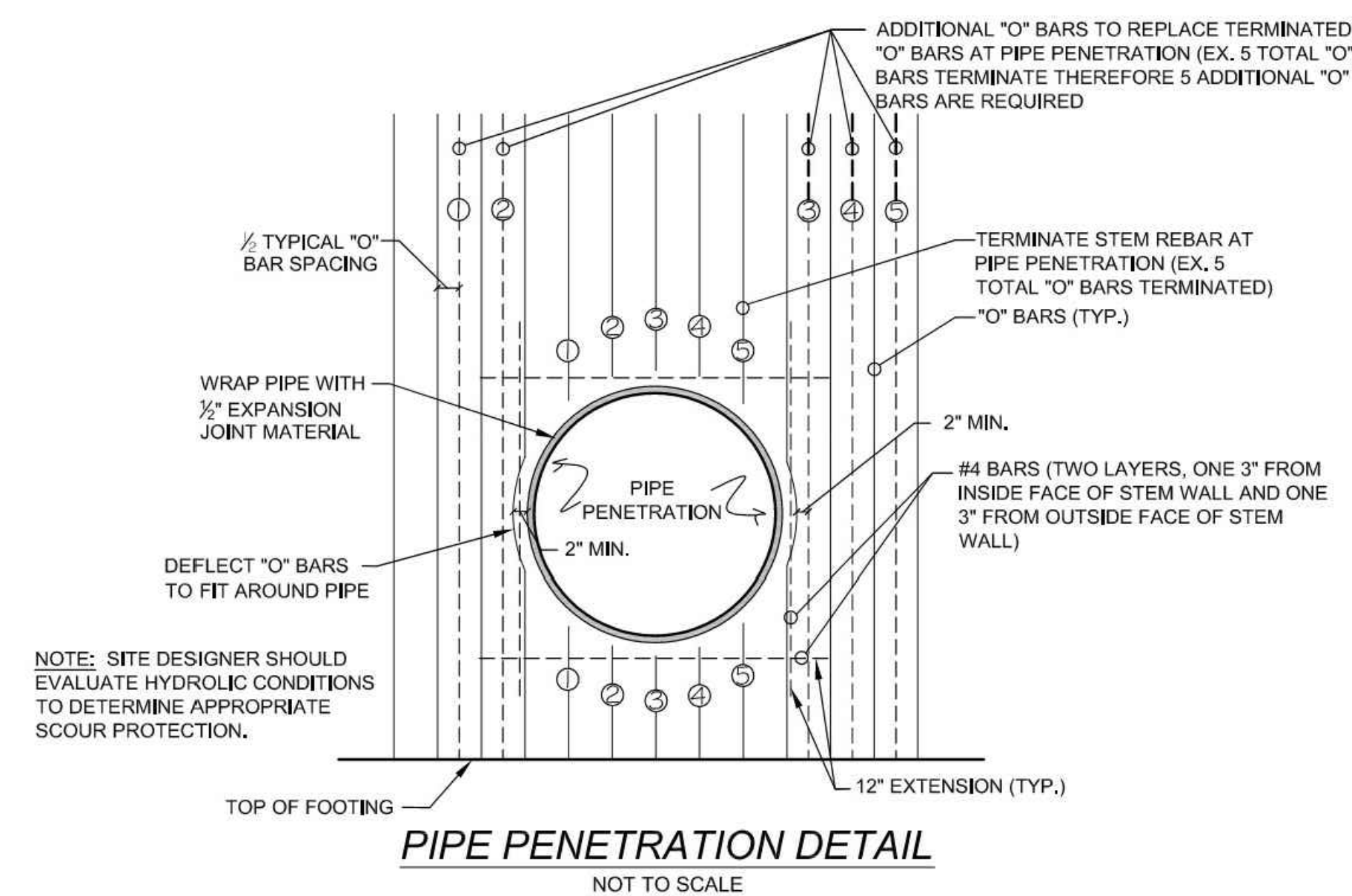
**TYPICAL CAST IN PLACE CROSS SECTION:
SECTIONS B8**
NOT TO SCALE

NOTE: IF WALL HEIGHT IS LESS THAN DESIGN-SECTION HEIGHT USE REINFORCEMENT LAYOUT FROM BOTTOM OF WALL (BW) UP TO ELEVATION OF TOP OF WALL.

BAR NO.	ls (SPICE LENGTH: USED FOR SPLICING BARS)	ldh. (MIN.)	l ext. (MIN.)
4	29"	6"	8"
5	36"	7.5"	10"
6	43"	9"	12"
7	63"	10.5"	14"
8	72"	12"	16"



**WALL ABUTMENT DETAIL
PLAN VIEW**
NOT TO SCALE



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MCG

DESIGNED BY:
MCG

CHECKED BY:
LGP

DATE:
06/15/23

SCALE:
AS NOTED

PLOT HOLDERS

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PHILADELPHIA, PA 19147
TEL: (215) 259-8255

CLIENT

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WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM

ENGINEER

UPPER HEMBREE
ROAD HEALTHCARE

GEORGIA
ALPHARETTA

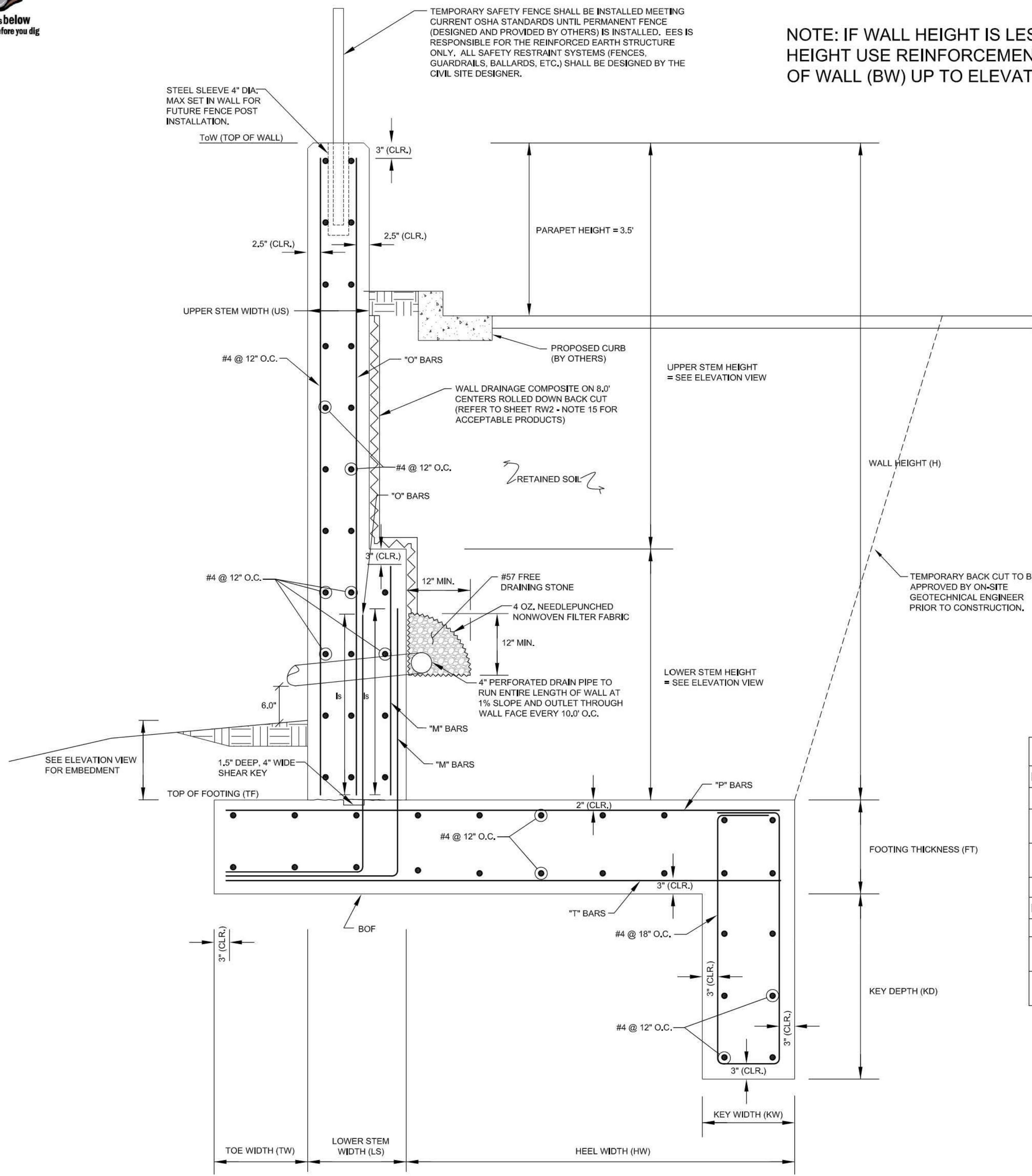
DETAIL SHEET

SHEET

RW7

OF 13

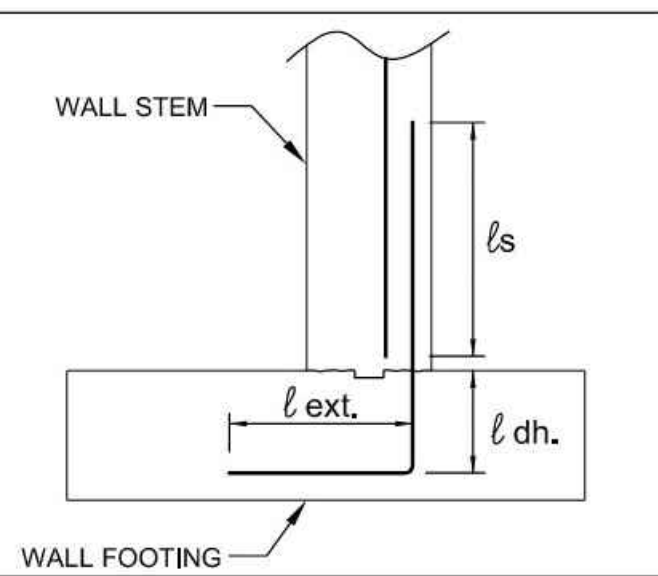
PROJECT No: Z23-0338



TYPICAL CAST IN PLACE CROSS SECTION:
SECTIONS B12 & B14
NOT TO SCALE

NOTE: IF WALL HEIGHT IS LESS THAN DESIGN-SECTION
HEIGHT USE REINFORCEMENT LAYOUT FROM BOTTOM
OF WALL (BW) UP TO ELEVATION OF TOP OF WALL.

BAR NO.	l _s (SPLICE LENGTH: USED FOR SPLICING BARS)	l _{dh} (MIN.)	l _{ext} (MIN.)
4	29"	6"	8"
5	36"	7.5"	10"
6	43"	9"	12"
7	63"	10.5"	14"
8	72"	12"	16"



CIP RETAINING WALL SCHEDULE								
DESIGN SECTION	H (MAX.)	US	LS	FT	TW	HW	KW	KD
DIMENSIONS								
B12	12.2'	1.0'	1.5'	1.33'	1.75'	6.25'	1.0'	1.0'
B14	14.1'	1.0'	1.5'	1.5'	2.5'	5.5'	1.0'	2.0'
REBAR SIZE AND SPACING								
DESIGN SECTION	"O" (BARS)	"M" (BARS)	"Lw" (BARS)	"T" (BARS)	"P" (BARS)	"Lb" Top/Bottom (BARS)	"K" (BARS)	"Kw" (BARS)
B12	#4 @ 9"	#5 @ 9"	#4 @ 12"	#5 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"
B14	#4 @ 9"	#5 @ 9"	#4 @ 12"	#5 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"

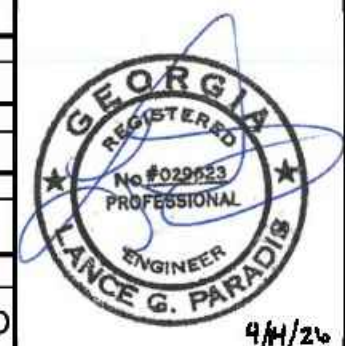
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CHECKED BY: LGP
DATE: 06/15/23
SCALE: AS NOTED



PLOT HOLDERS

755 SOUTH ST. #855
PHILADELPHIA, PA 19147
TEL: (215) 259-8255

ENGINEERED EARTH SOLUTIONS, LLC.
441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM



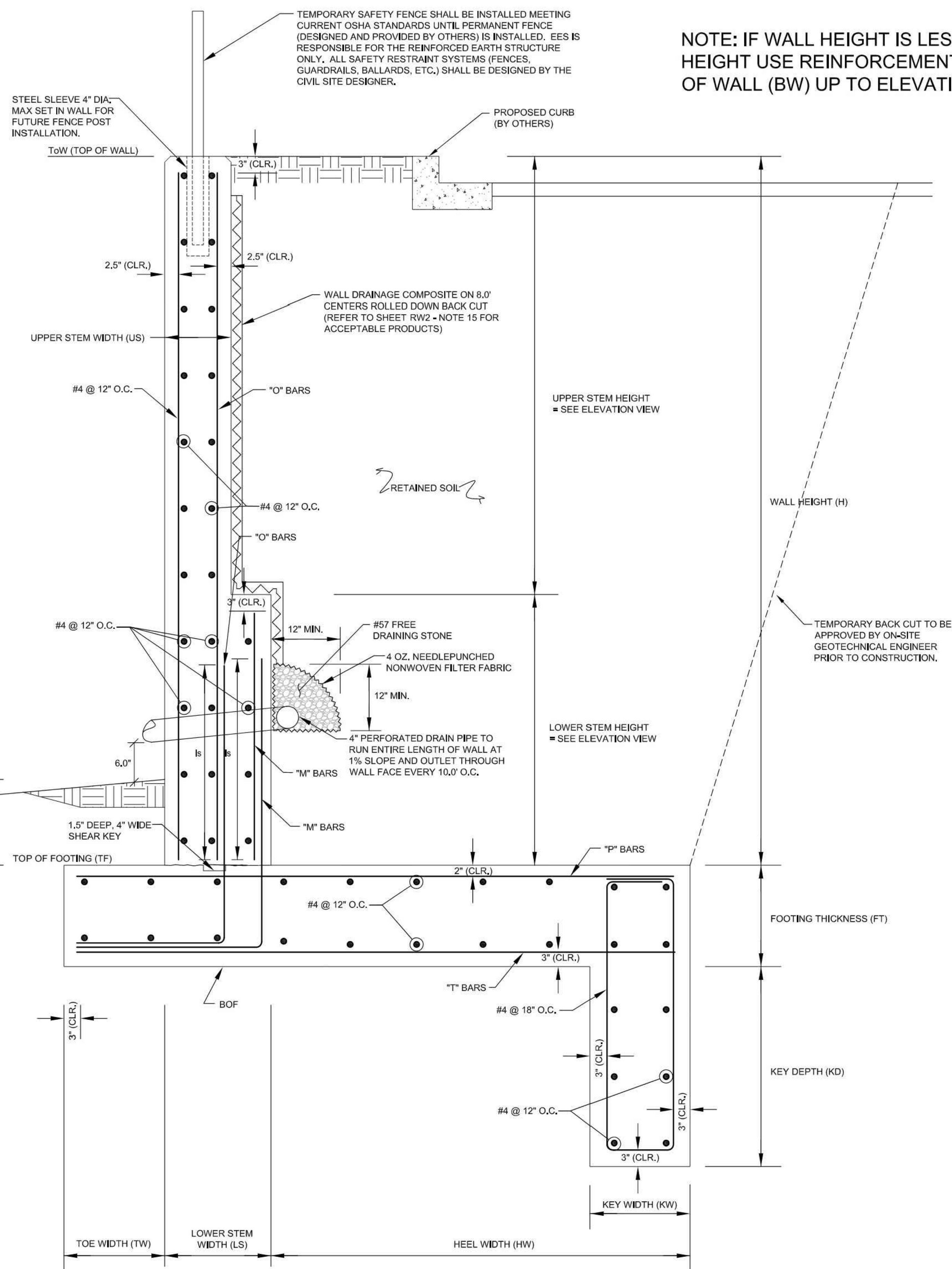
ENGINEER

UPPER HEMBREE
ROAD HEALTHCARE

DETAIL SHEET

SHEET
RW8
OF 13

PROJECT No. Z23-0338



BAR NO.	l_s (SPLICE LENGTH: USED FOR SPLICING BARS)	l_{dh} (MIN.)	$l_{ext.}$ (MIN.)
4	29"	6"	8"
5	36"	7.5"	10"
6	43"	9"	12"
7	63"	10.5"	14"
8	72"	12"	16"

The diagram illustrates the connection between a wall stem and a wall footing. The wall stem is shown as a vertical column with a rounded top. The wall footing is a horizontal base. The dimension l_s represents the splice length of the reinforcement bars within the wall stem. The dimension $l_{ext.}$ represents the minimum extension length of the reinforcement bars from the footing into the wall stem. The dimension l_{dh} represents the minimum development length of the reinforcement bars within the wall footing.

CIP RETAINING WALL SCHEDULE								
DESIGN SECTION	H (MAX.)	US	LS	FT	TW	HW	KW	KD
DIMENSIONS								
B10	10.7'	1.0'	1.33'	1.5'	2.5'	5.5'	1.0'	2.5'
C12	12.0'	1.0'	1.33'	1.5'	2.5'	6.0'	1.5'	3.25'
DESIGN SECTION	"O" (BARS)	"M" (BARS)	"Lw" (BARS)	"T" (BARS)	"P" (BARS)	"Lb" Top/Bottom (BARS)	"K" (BARS)	"Kw" (BARS)
REBAR SIZE AND SPACING								
B10	#4 @ 9"	#5 @ 9"	#4 @ 12"	#5 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"
C12	#4 @ 9"	#6 @ 9"	#4 @ 12"	#5 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"

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[illegible]

CLIENT

UPPER HEMBREE
ROAD HEALTHCARE

GEORGIA

ALPHARETTA

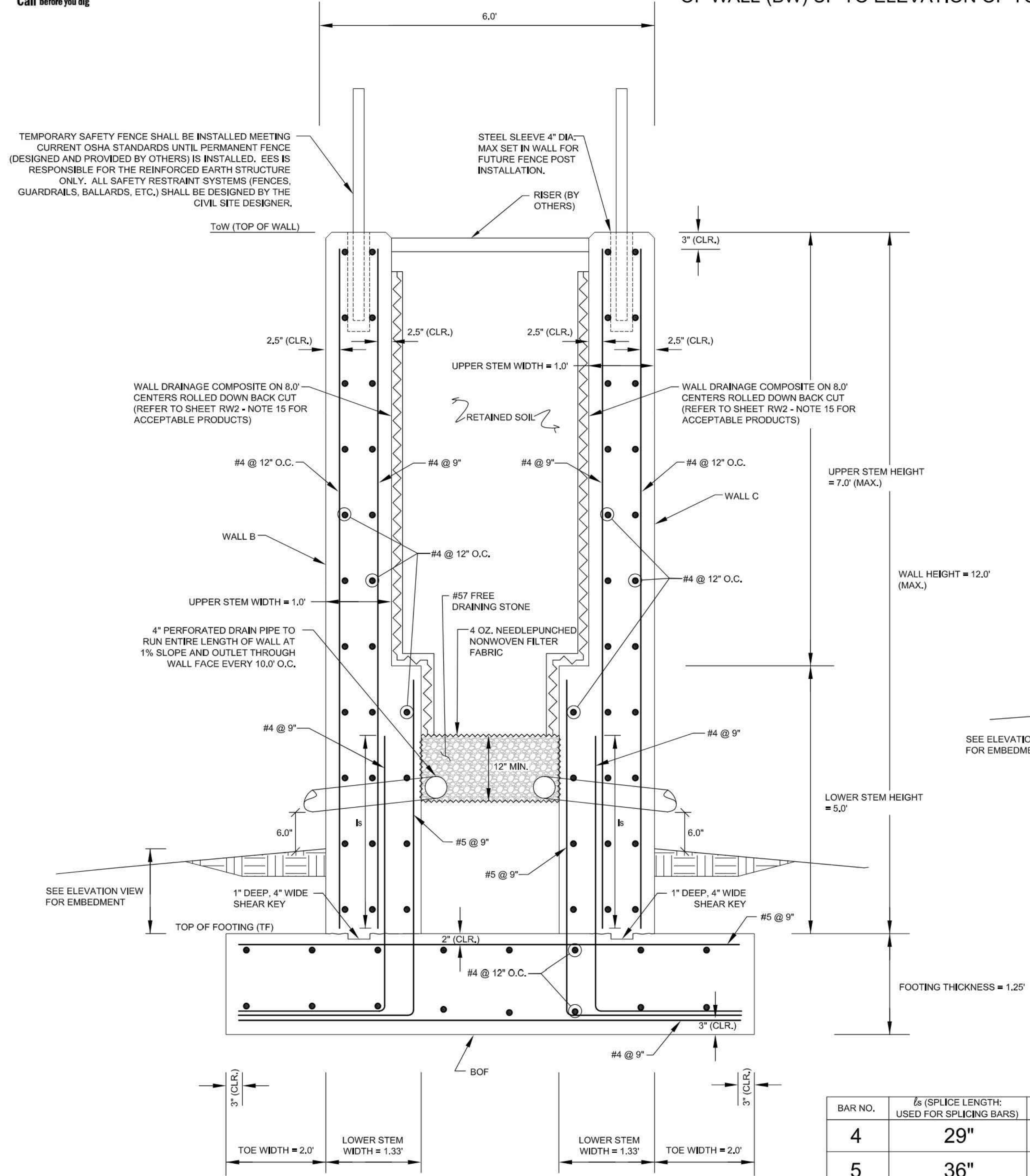
SHEET

OF 1

PROJECT No.: Z23-0338

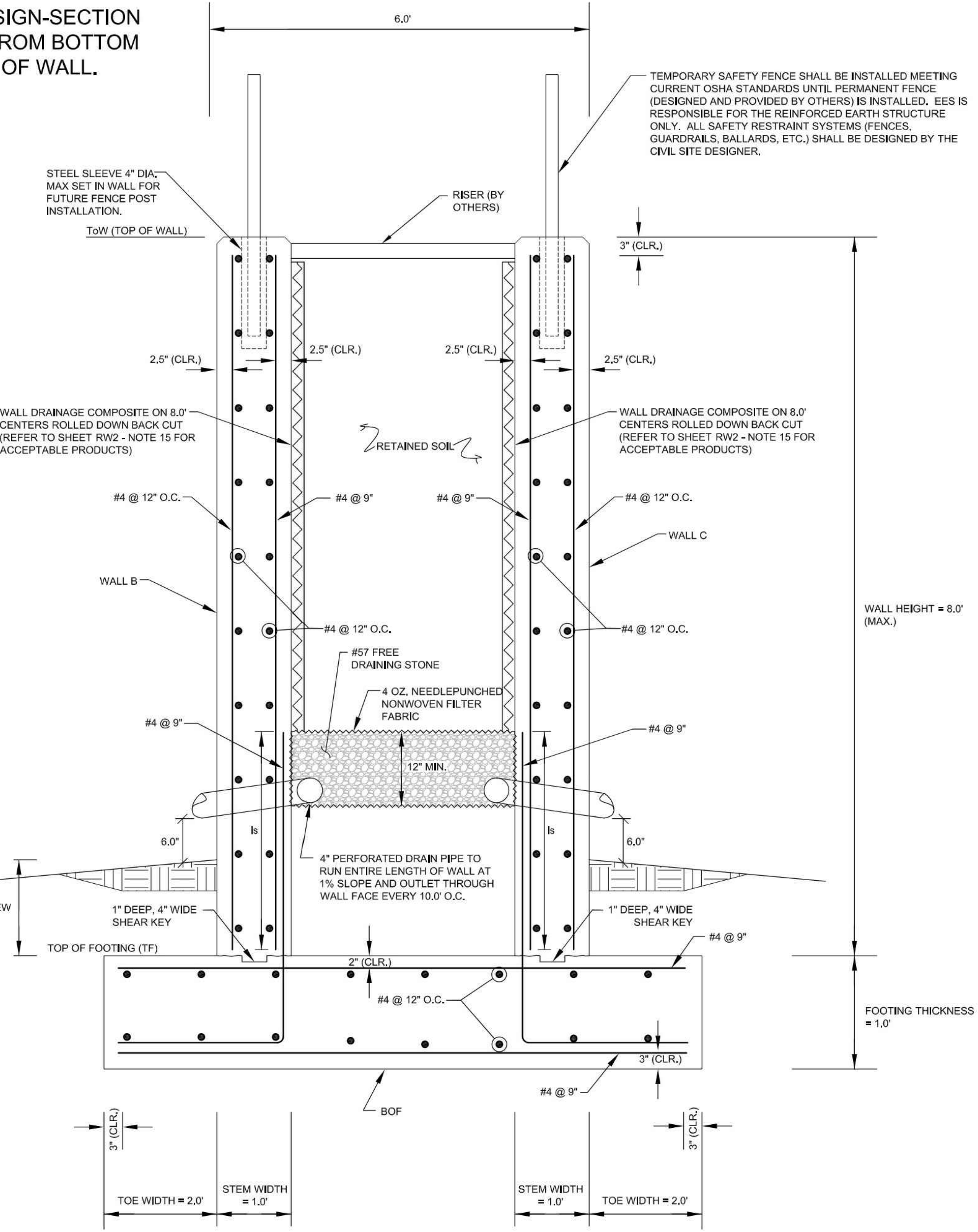
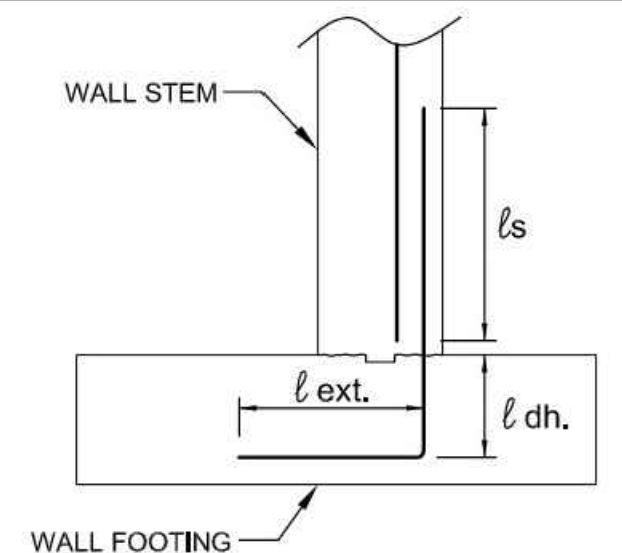


NOTE: IF WALL HEIGHT IS LESS THAN DESIGN-SECTION HEIGHT USE REINFORCEMENT LAYOUT FROM BOTTOM OF WALL (BW) UP TO ELEVATION OF TOP OF WALL.



TYPICAL CAST IN PLACE CROSS SECTION:
SECTIONS S12
NOT TO SCALE

BAR NO.	ℓs (SPLICE LENGTH: USED FOR SPLICING BARS)	ℓ dh. (MIN.)	ℓ ext. (MIN.)
4	29"	6"	8"
5	36"	7.5"	10"
6	43"	9"	12"
7	63"	10.5"	14"
8	72"	12"	16"



TYPICAL CAST IN PLACE CROSS SECTION:
SECTIONS S8
NOT TO SCALE

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SCALE: AS NOTED

9/11/26

PLOT HOLDERS
755 SOUTH ST. #855
PHILADELPHIA, PA 19147
TEL: (215) 259-8255
CLIENT

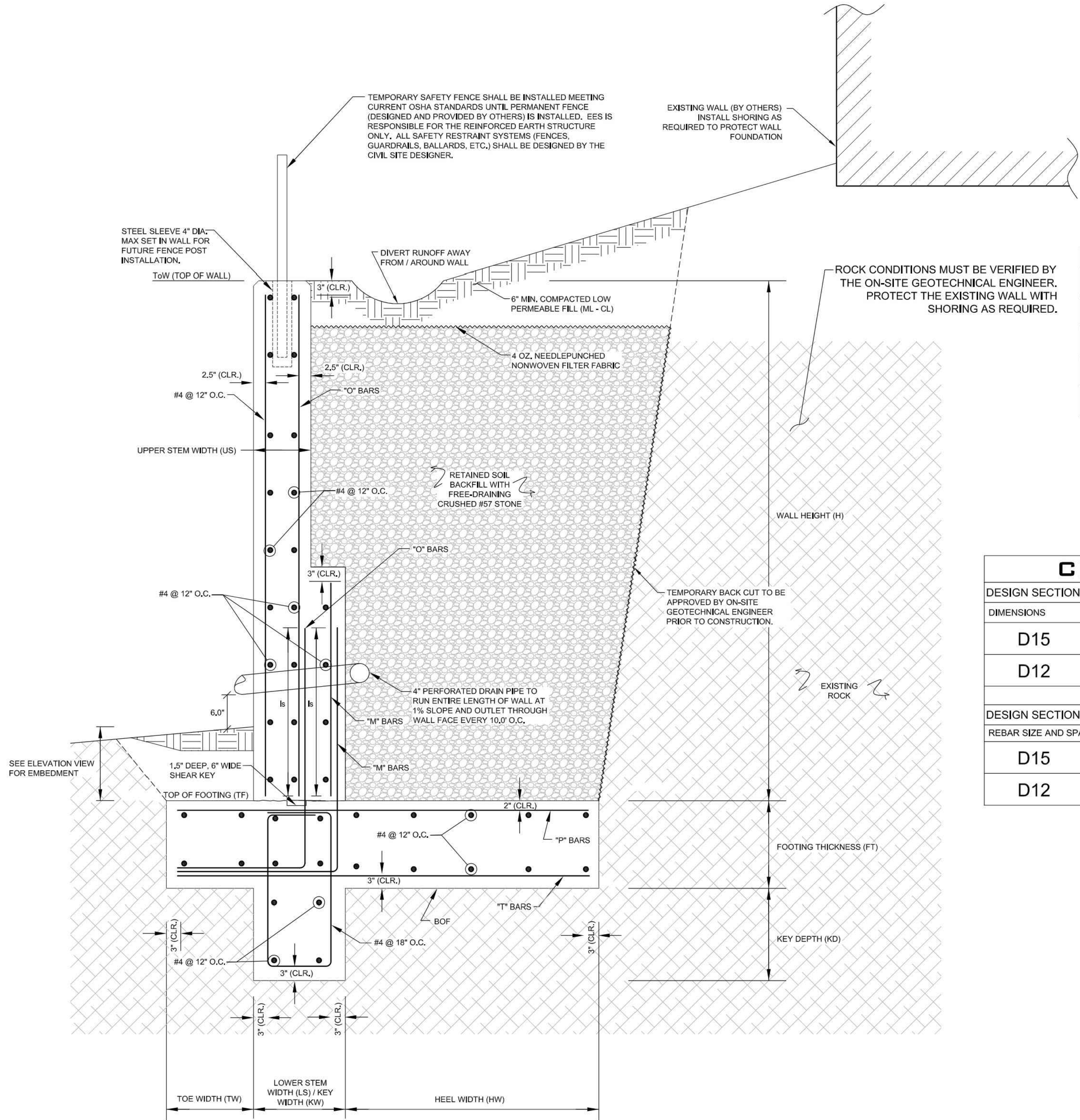
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ENGINEERED EARTH SOLUTIONS, LLC.
441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM

ENGINEER

UPPER HEMBREE
ROAD HEALTHCARE

GEORGIA
ALPHARETTA

DETAIL SHEET
SHEET
RW10
OF 13
PROJECT No. Z23-0338



TYPICAL CAST IN PLACE CROSS SECTION:
SECTIONS D15 & D12
NOT TO SCALE

BAR NO.	ls (SPlice LENGTH: USED FOR SPLICING BARS)	ldh. (MIN.)	l ext. (MIN.)
4	29"	6"	8"
5	36"	7.5"	10"
6	43"	9"	12"
7	63"	10.5"	14"
8	72"	12"	16"

WALL STEM

WALL FOOTING

CIP RETAINING WALL SCHEDULE								
DESIGN SECTION	H (MAX.)	US	LS	FT	TW	HW	KW	KD
DIMENSIONS								
D15	15.0'	1.0'	1.5'	1.67'	1.5'	5.33'	1.5'	1.0'
D12	12.0'	1.0'	1.33'	1.5'	1.5'	4.0'	1.33'	1.0'
REBAR SIZE AND SPACING								
D15	#4 @ 9"	#6 @ 9"	#4 @ 12"	#5 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"
D12	#4 @ 9"	#5 @ 9"	#4 @ 12"	#5 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"

NOTE: IF WALL HEIGHT IS LESS THAN DESIGN-SECTION HEIGHT USE REINFORCEMENT LAYOUT FROM BOTTOM OF WALL (BW) UP TO ELEVATION OF TOP OF WALL.

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PLOT HOLDERS

755 SOUTH ST. #855
PHILADELPHIA, PA 19147
TEL: (215) 259-8255

CLIENT

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441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM



ENGINEER

UPPER HEMBREE
ROAD HEALTHCARE

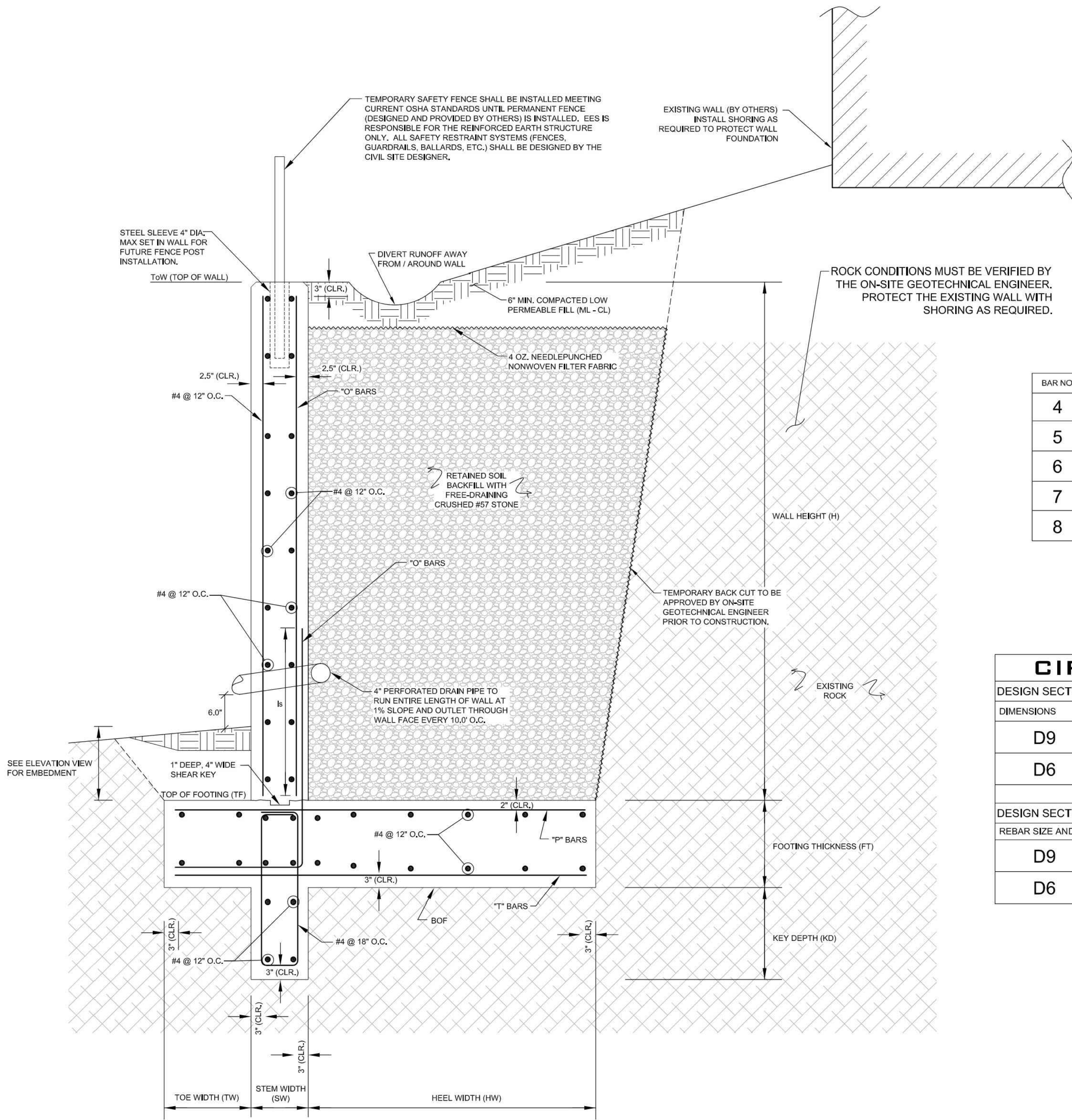
GEORGIA

ALPHARETTA

DETAIL SHEET

SHEET
RW11
OF 13

PROJECT No: Z23-0338



TYPICAL CAST IN PLACE CROSS SECTION:
SECTIONS D9 & D6
NOT TO SCALE

BAR NO.	l _s (SPLICE LENGTH: USED FOR SPLICING BARS)	l _{dh} (MIN.)	l _{ext} (MIN.)	
4	29"	6"	8"	
5	36"	7.5"	10"	
6	43"	9"	12"	
7	63"	10.5"	14"	
8	72"	12"	16"	

CIP RETAINING WALL SCHEDULE							
DESIGN SECTION	H (MAX.)	SW	FT	TW	HW	KW	KD
DIMENSIONS							
D9	9.0'	1.0'	1.25'	1.5'	3.0'	1.0'	1.0'
D6	6.0'	1.0'	1.0'	1.5'	2.0'	1.0'	1.0'
DESIGN SECTION	"O" (BARS)	"Lw" (BARS)	"T" (BARS)	"P" (BARS)	"Lb" Top/Bottom (BARS)	"K" (BARS)	"Kw" (BARS)
REBAR SIZE AND SPACING							
D9	#5 @ 9"	#4 @ 12"	#4 @ 9"	#5 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"
D6	#4 @ 9"	#4 @ 12"	#4 @ 9"	#4 @ 9"	#4 @ 12"	#4 @ 18"	#4 @ 12"

NOTE: IF WALL HEIGHT IS LESS THAN DESIGN-SECTION HEIGHT USE REINFORCEMENT LAYOUT FROM BOTTOM OF WALL (BW) UP TO ELEVATION OF TOP OF WALL.

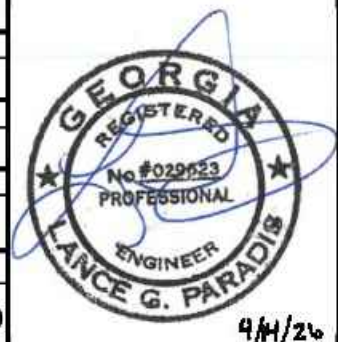
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ENGINEER

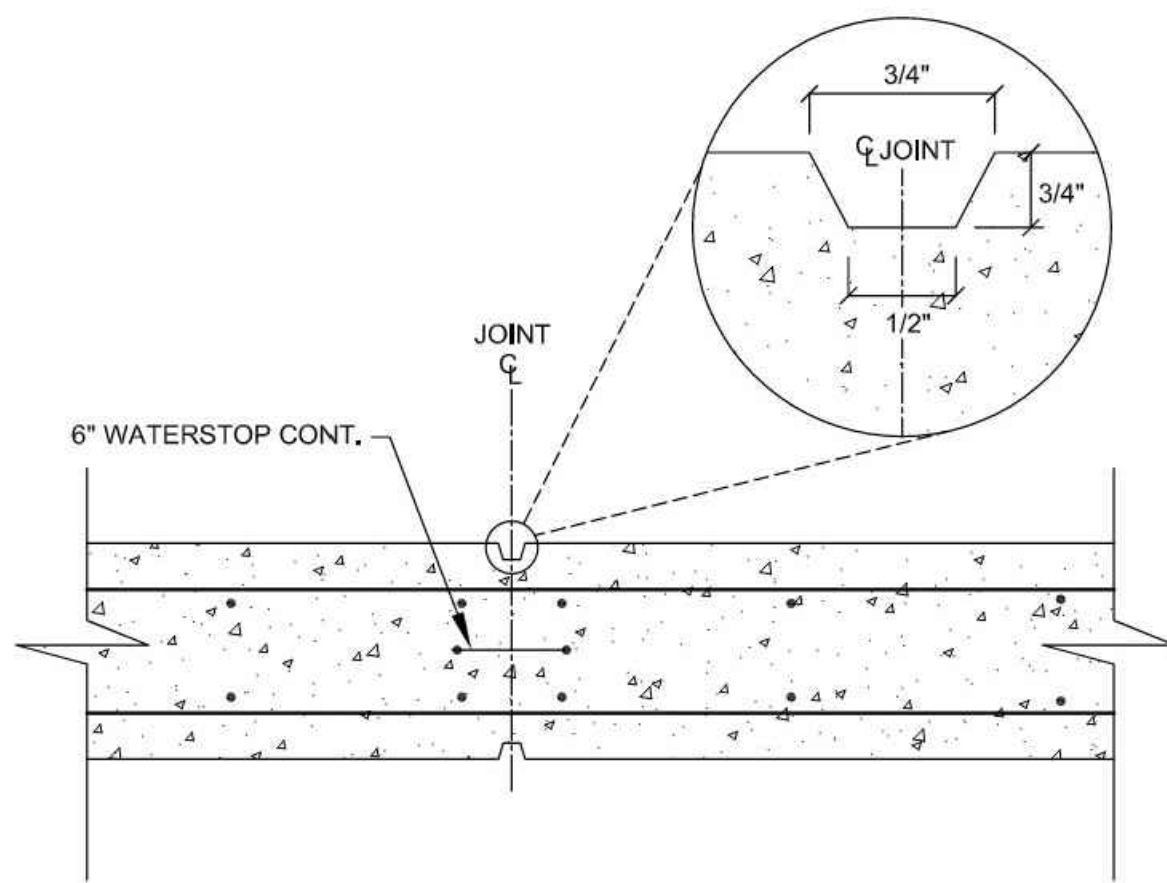
UPPER HEMBREE
ROAD HEALTHCARE

GEORGIA
ALPHARETTA

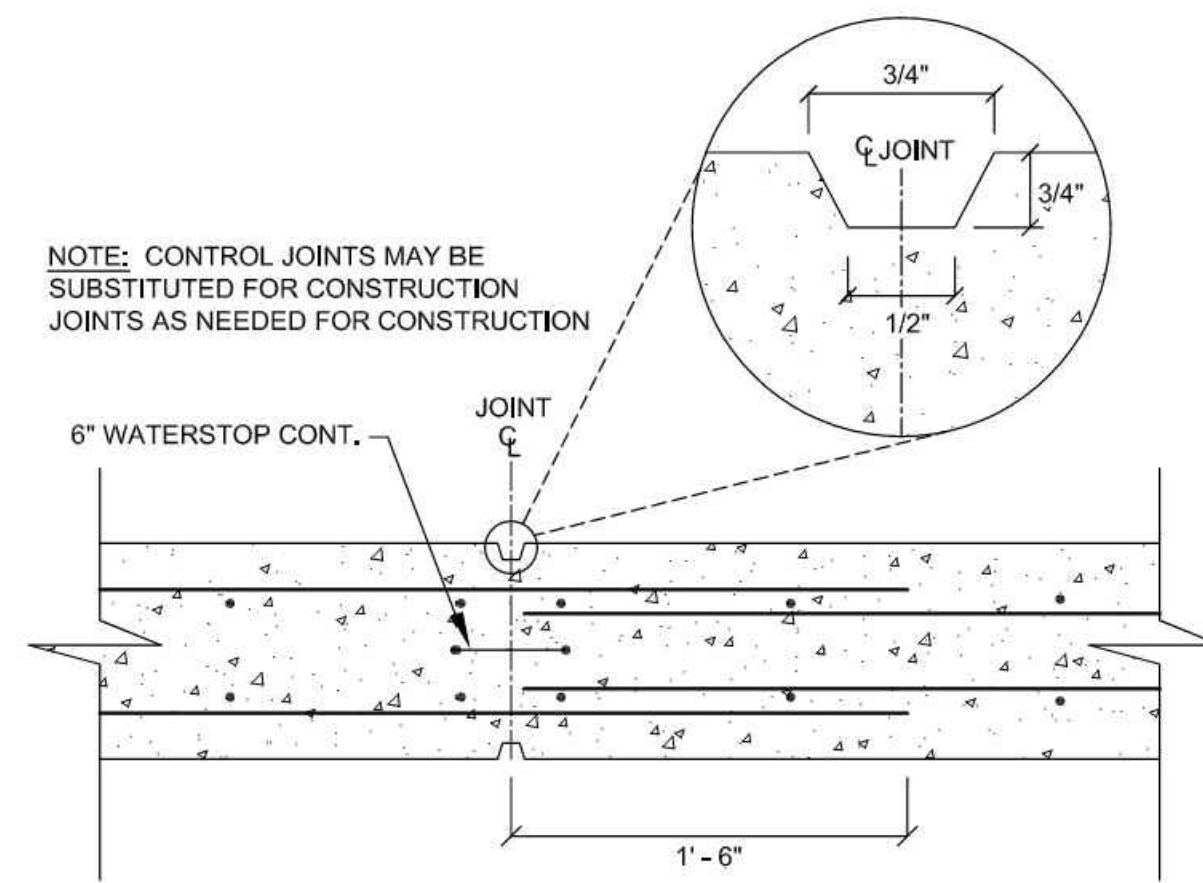
DETAIL SHEET

SHEET
RW12
OF 13

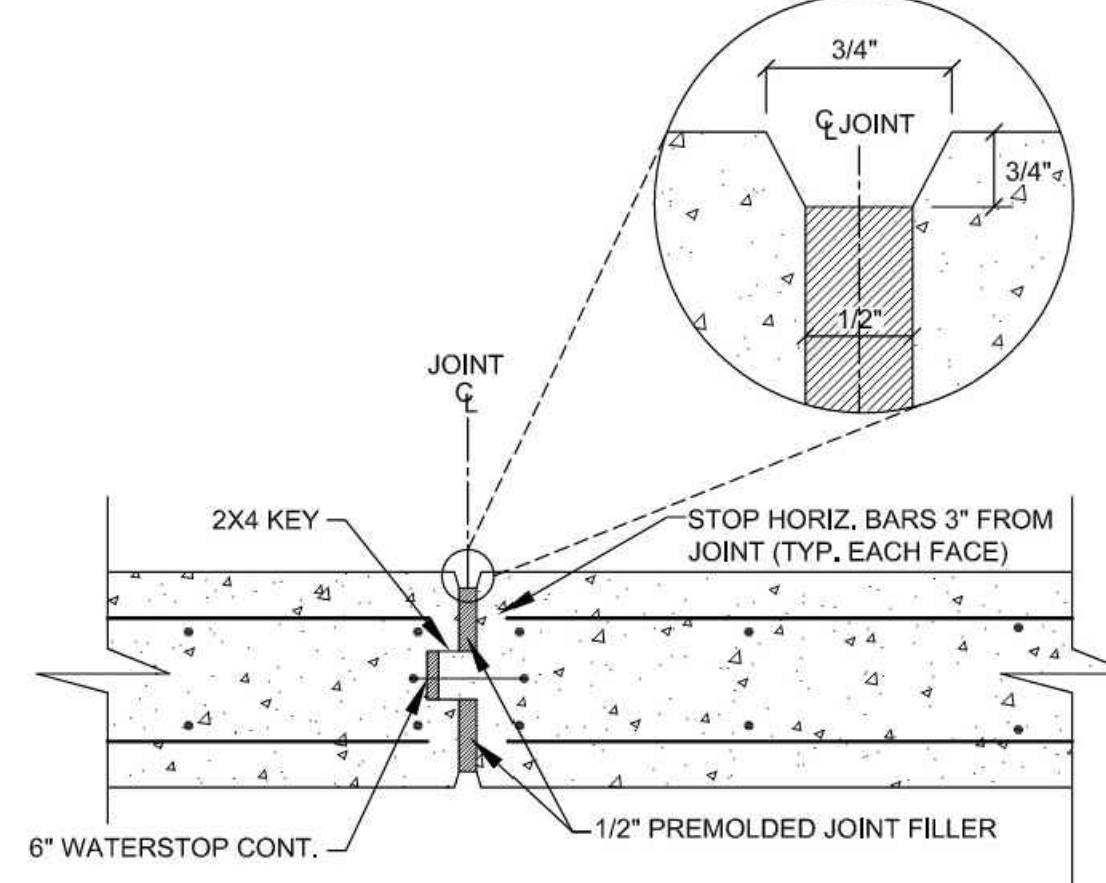
PROJECT No: Z23-0338



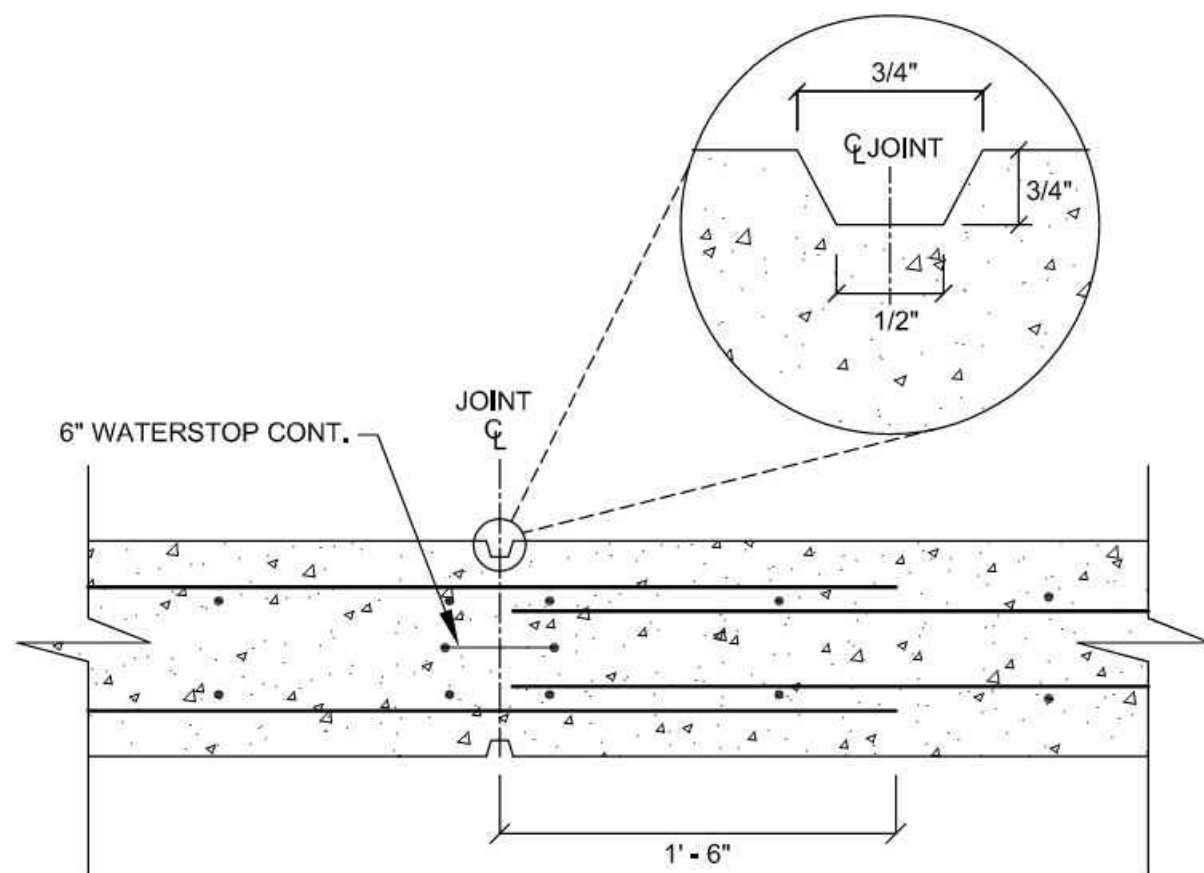
CONTROL JOINT - 25.0' O.C. MAX.
NOT TO SCALE



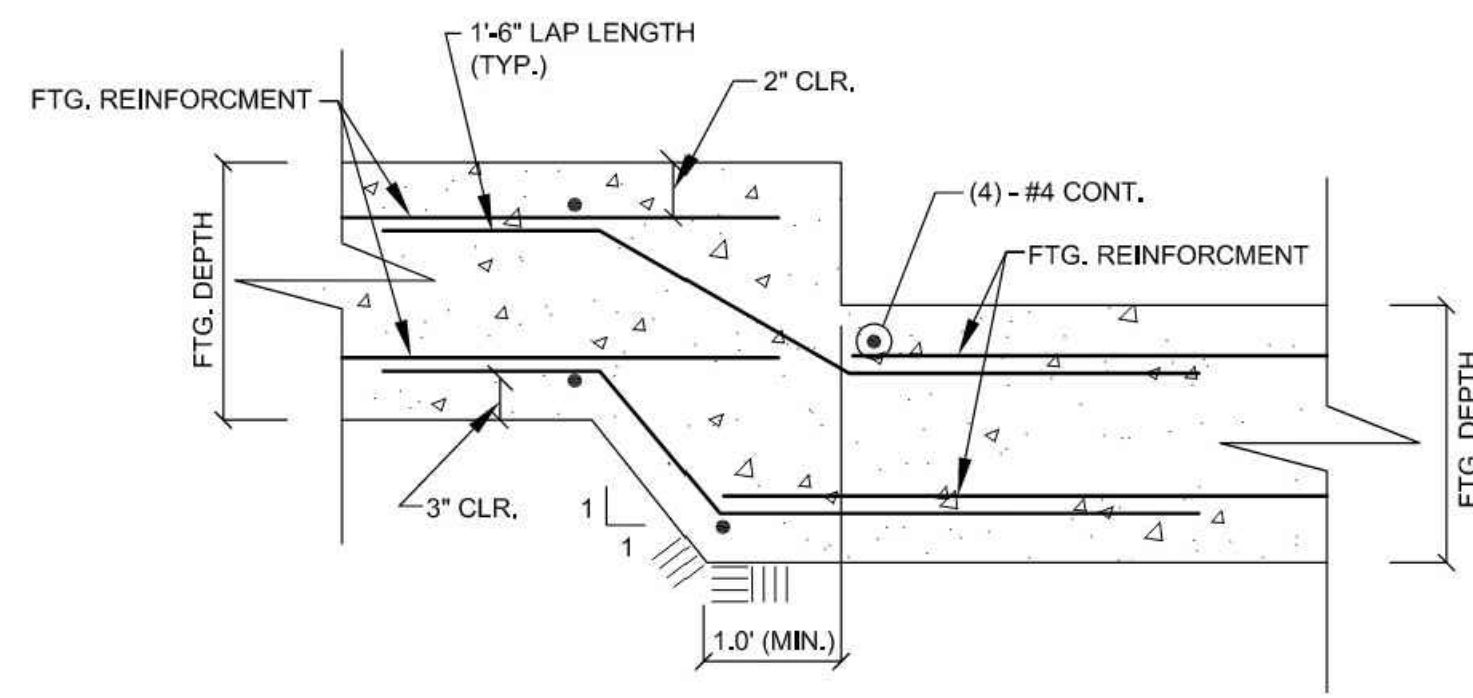
CONSTRUCTION JOINT
NOT TO SCALE



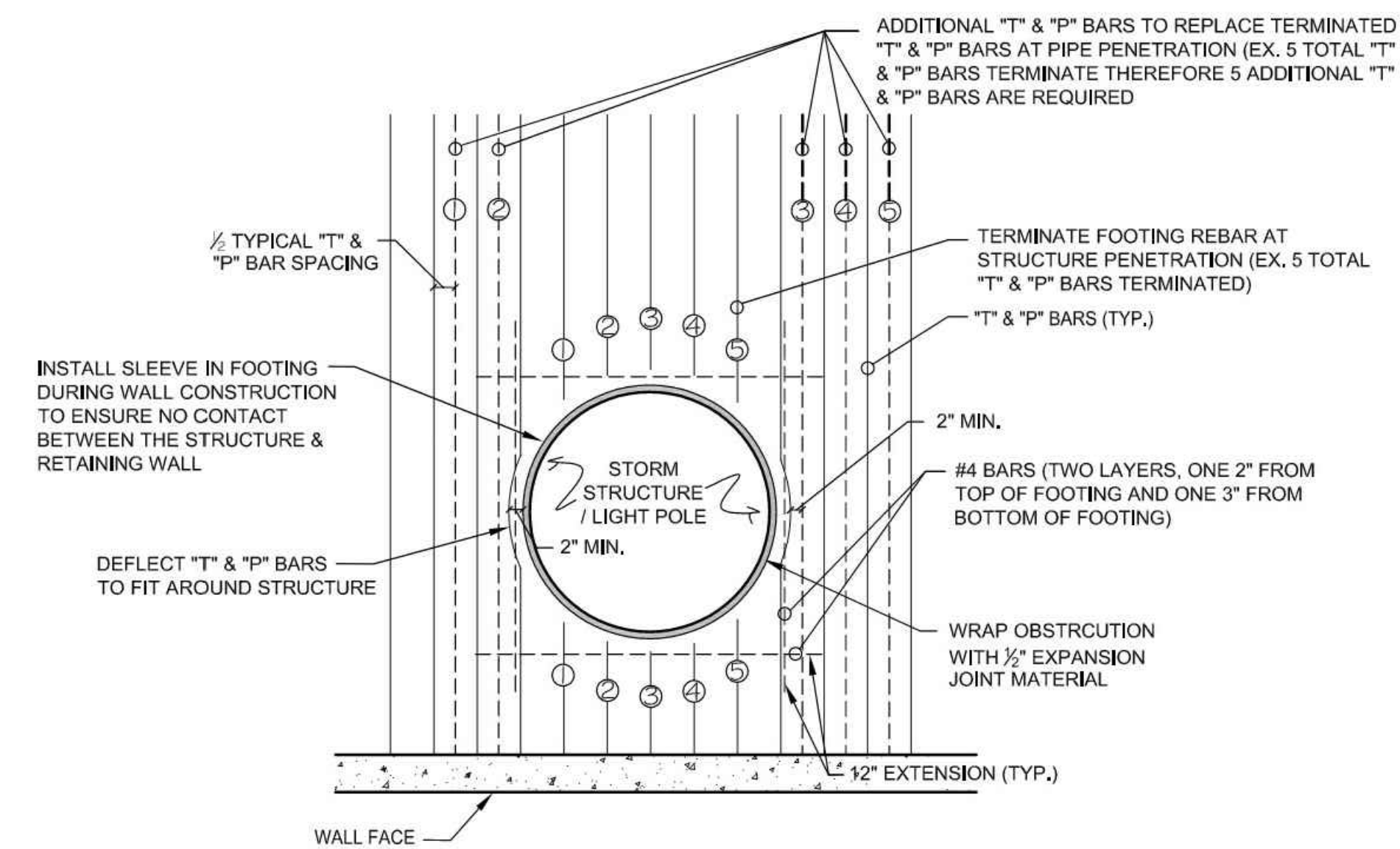
EXPANSION JOINT - 100.0' O.C. MAX.
NOT TO SCALE



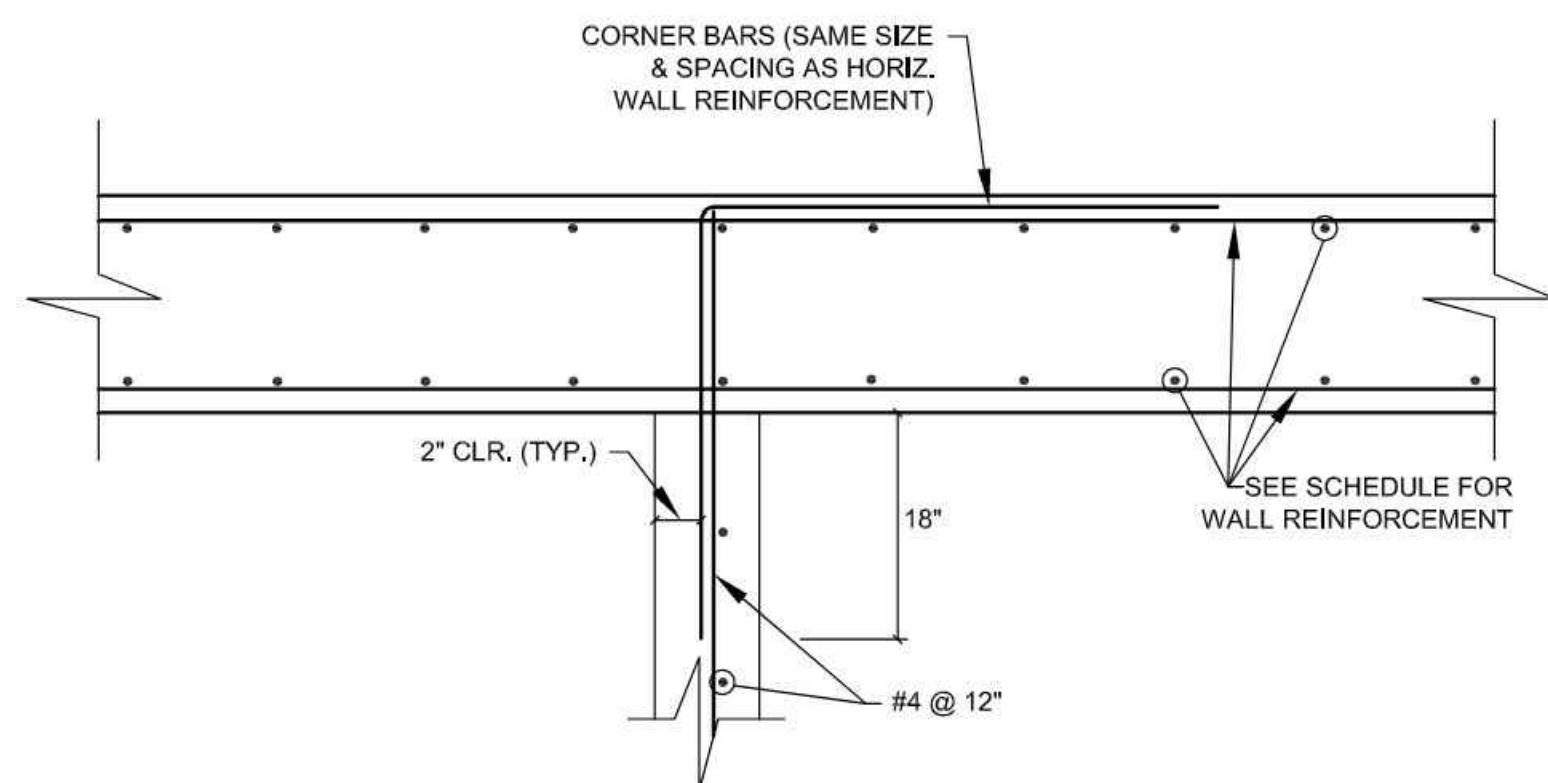
CONSTRUCTION JOINT - 5.0' MAX. FROM CORNER
NOT TO SCALE



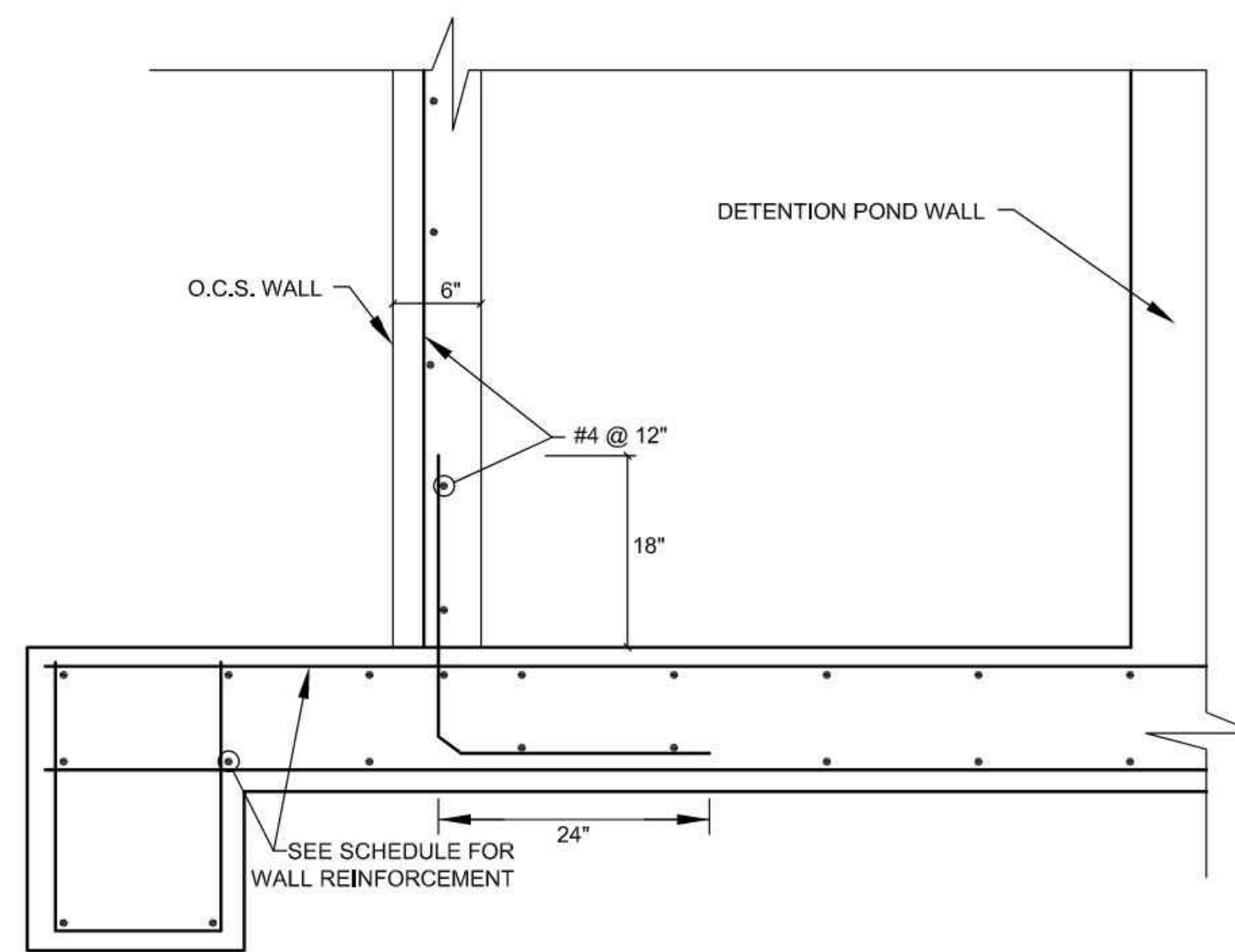
STEPPED FOOTING DETAIL
NOT TO SCALE



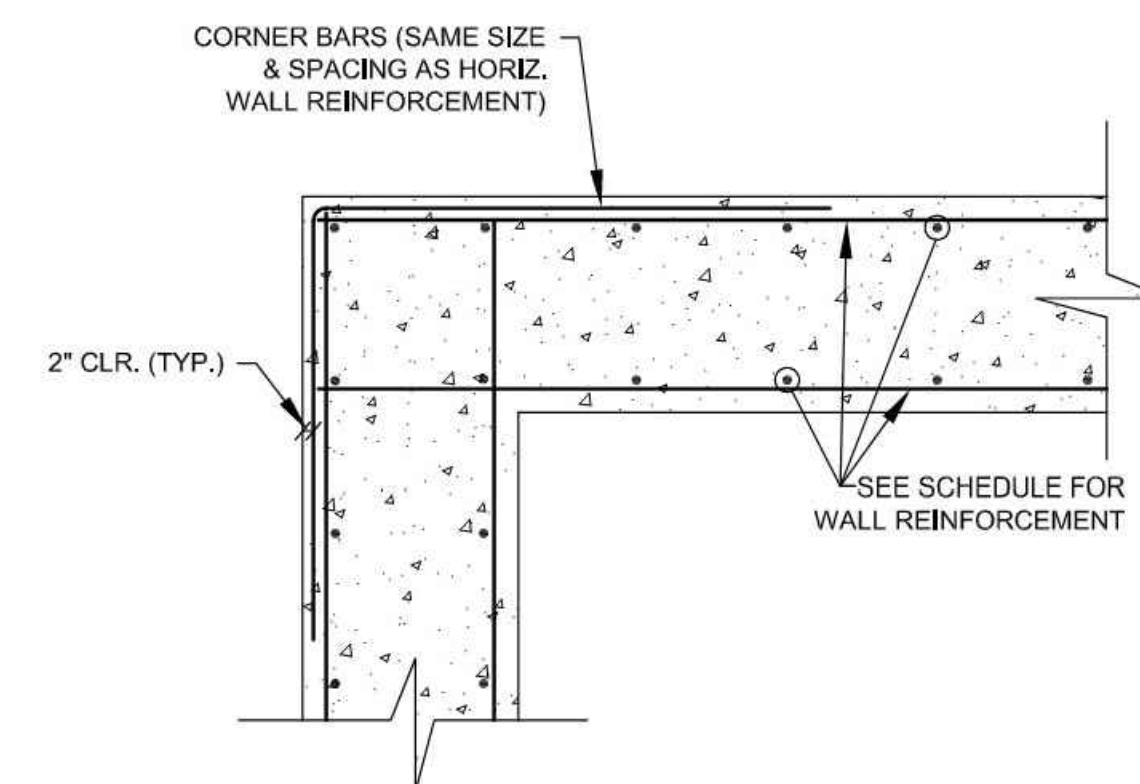
PENETRATION THROUGH FOOTING DETAIL
NOT TO SCALE



O.C.S. CONNECTION DETAIL - CORNER
NOT TO SCALE



O.C.S. CONNECTION CROSS SECTION - FOOTING
NOT TO SCALE



CORNER REINFORCEMENT DETAIL
NOT TO SCALE

THIS DESIGN IS BASED UPON SPECIFIC PROPERTIES OF MATERIALS WHICH ARE PROPRIETARY. ANY SUBSTITUTION OF THE SPECIFIED PRODUCTS OR CHANGE IN STRUCTURE GEOMETRY WILL INVALIDATE THIS DESIGN. THIS DRAWING IS BEING FURNISHED FOR USE ON THIS SPECIFIC PROJECT ONLY. ANY PARTY ACCEPTING THIS DOCUMENT DOES SO IN CONFIDENCE AND AGREES THAT IT SHALL NOT BE DUPLICATED, IN WHOLE OR IN PART, NOR DISCLOSED TO OTHERS WITHOUT THE CONSENT OF ENGINEERED EARTH SOLUTIONS, LLC. THIS DRAWING, DESIGN NOTES, AND ASSOCIATED CALCULATIONS HAVE BEEN PREPARED BY ENGINEERED EARTH SOLUTIONS, LLC, FROM INFORMATION PROVIDED BY OTHERS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION CONTAINED HEREIN IS THE RESPONSIBILITY OF THE USER.

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REVISION / ISSUE

ISS.	DATE	DESCRIPTION
1	06/15/23	ISSUE FOR CONSTRUCTION
2	04/14/26	REVISED PER NEW GRADING PLAN

DRAWN BY:	MCG
DESIGNED BY:	MCG
CHECKED BY:	LGP
DATE:	06/15/23
SCALE:	AS NOTED



PLOT HOLDERS

755 SOUTH ST. #855
PHILADELPHIA, PA 19147
TEL: (215) 259-8255

CLIENT

EES
ENGINEERED EARTH SOLUTIONS, LLC.
441 CREEKSTONE RIDGE
WOODSTOCK, GEORGIA 30188
TEL: 770-592-2950
EESOLS.COM



ENGINEER

UPPER HEMBREE
ROAD HEALTHCARE

GEORGIA

ALPHARETTA

DETAIL SHEET

SHEET
RW13
OF 13

PROJECT No. Z23-0338

ARBORIST REPORT

25-10-02-01 Upper
Hembree Arborist
Report Alpharetta

Reference UDC

Alpharetta, Georgia

(Updated June 18, 2021)



All of the following information is based upon visual field observations and 30 years of practical horticultural experience. No scientific or lab tests have been performed. I certify that all information in this report is true and inclusive to the best of my knowledge and is prepared in good faith.

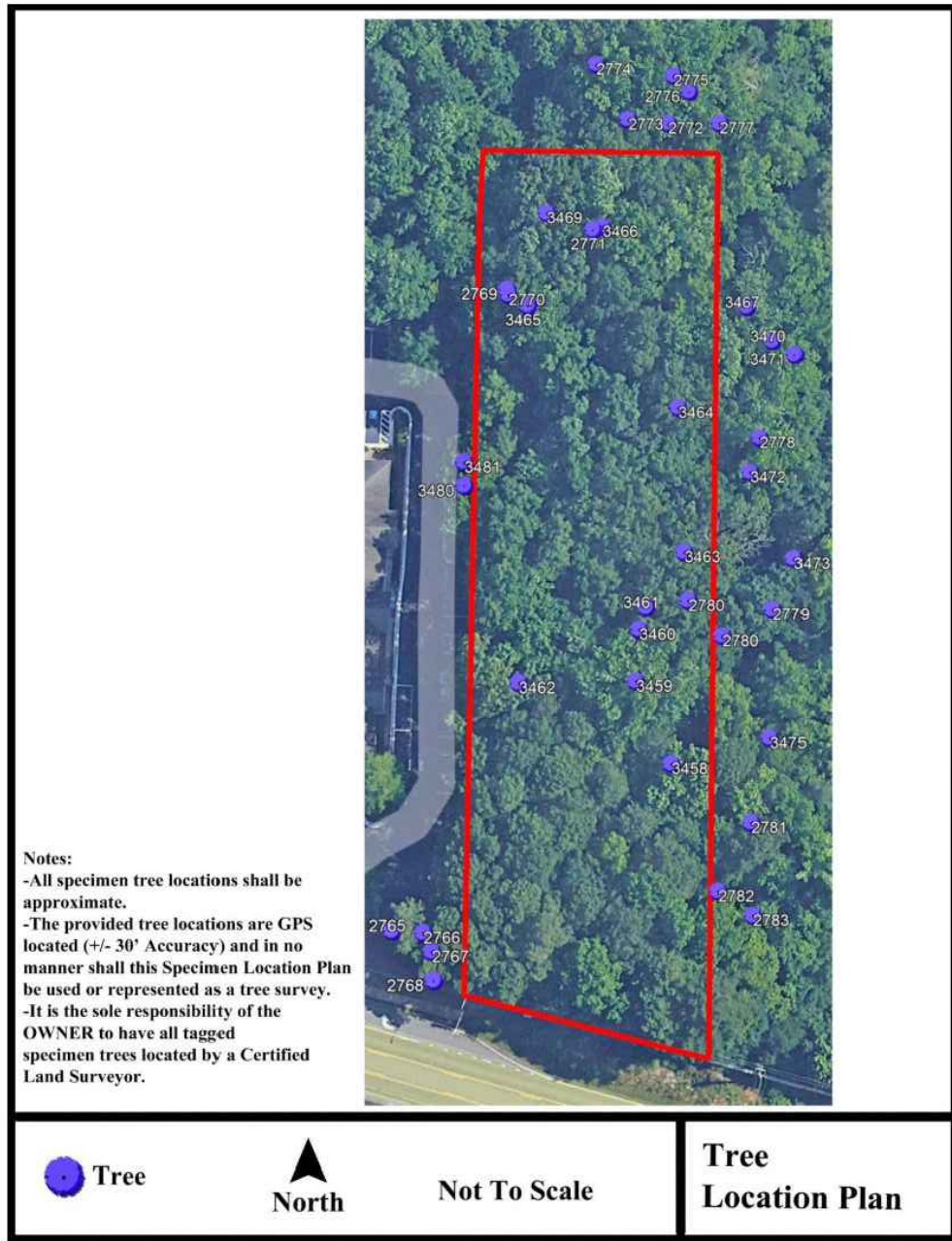
Outdoor Spaces, LLC

By Scott Hall, Owner

On Site Specimen Evaluation Date: October 7, 2025
Report Date: October 8, 2025
Revised Date:



Outdoor Spaces, LLC
Scott Hall, Owner
RLA, Certified Arborist
Certificate Number: SO-54344
404-328-6561 Cell
678-965-4784 Fax
scotthall@outdoorspaces.com



25-10-02-01 Upper Hembree Arborist Report Alpharetta Part 2 (There are existing tree tags hence there are gaps and missing tree tags of trees no longer there, lost tags, trees that don't meet the current standards and new tags)									
Tree #	Size/Species	Health Condition	Structural Condition	Classification	Comments	Design Around	Photo # (See Attached)	City of Alpharetta's Assessment	
3458	38"(27'-14") Tulip Poplar	Good	Poor	Non-Specimen	2 Trees grown together creating 2 Co-Dominate Leaders with weak crotches and included bark. Due the species, a multi-stem tree is undesirable and could be a life safety issue. Numerous Trunk Cankers, an indication of possible trunk decay. 2 Co-Dominate Leaders with weak crotches and included bark. Due the species, a multi-stem tree is undesirable and could be a life safety issue.	No	1	Two trees - not specimen size	
3459	40" Tulip Poplar	Poor	Poor	Non-Specimen	Numerous Trunk Cankers, an indication of possible trunk decay. 2 Co-Dominate Leaders with weak crotches and included bark. Due the species, a multi-stem tree is undesirable and could be a life safety issue.	No	2	Specimen, trunk cankers & codominant items do not disqualify a tree as a specimen. More data would be needed.	
3460	11" Beech	Good	Good	Tree of Quality		Yes			
3461	27" Hickory	Poor	Poor	Non-Specimen	Signs of Hypoxylon Canker with limb loss and/or visible cankers. Several main limbs dead/gone.	No	3-4	Specimen, Hypoxylon was not identified in the photos.	
3462	31" Southern Red Oak	Good	Fair	Specimen	Slight Lean	Yes			
3463	26" Post Oak	Poor	Fair	Non-Specimen	Dead with Hypoxylon Canker and Trunk Rot.	No	5	Dead	
3464	11" Beech	Good	Good	Tree of Quality		Yes			
3465	34"(26'-8") Tulip Poplar	Fair	Poor	Non-Specimen	2 Co-Dominate Leaders with weak crotches and included bark. Due the species, a multi-stem tree is undesirable and could be a life safety issue. Smaller leader has numerous Trunk Cankers, an indication of possible trunk rot.	No	6-7	Two trees - not specimen size	
3466	13" Sourwood	Fair	Good	Specimen		Yes			
3467	12" Sourwood	Poor	Poor	Boundary Tree	Crown Gall ad indication of Rot	Yes	8		

25-10-02-01 Upper Hembree Arborist Report Alpharetta Part 2 (There are existing tree tags hence there are gaps and missing tree tags of trees no longer there, lost tags, trees that don't meet the current standards and new tags)								
Tree #	Size/Species	Health Condition	Structural Condition	Classification	Comments	Design Around	Photo # (See Attached)	City of Alpharetta's Assessment
2771	30" Red Oak	Fair	Poor	Non-Specimen	Severe lean greater than 12". Signs of Foot Rot with limb loss and cankers. Signs of Hypoxylon Canker with limb loss and/or visible cankers. 2 Co-Dominate Leaders 20' up with weak crotches and included bark. Due the species, a multi-stem tree is undesirable and could be a life safety issue.	Yes	9-11	End of the comments would not disqualify this tree from specimen status. Hypoxylon not present in photos. Since it is a boundary tree impacts need to be minimized.
3469	30" Red Oak	Poor	Poor	Non-Specimen	Signs of Hypoxylon Canker with limb loss and/or visible cankers. 2 Co-Dominate Leaders 20' up with weak crotches and included bark. Due the species, a multi-stem tree is undesirable and could be a life safety issue.	No	12	Specimen, trunk cankers are U shaped and no hypoxylon present in photos.
3470	27" Tulip Poplar	Good	Good	Boundary Tree		Yes		
3471	23" Tulip Poplar	Good	Good	Boundary Tree		Yes		
3472	24" Tulip Poplar	Poor	Poor	Boundary Tree	Signs of Hypoxylon Canker with limb loss and/or visible cankers.	Yes	13	
3473	20" Sweet Gum	Poor	Poor	Boundary Tree	Signs of Hypoxylon Canker with limb loss and/or visible cankers. Tree undermined by stream.	Yes	14	There is no specimen present in the photos. provided for three trees.
3475	22" Tulip Poplar	Poor	Poor	Boundary Tree	Signs of Hypoxylon Canker with limb loss and/or visible cankers. Large hollow cavity	Yes	15	
3480	19" Red Maple	Fair	Fair	Landscape Tree		Yes		
3481	21" Red Maple	Fair	Fair	Landscape Tree		Yes		
2765	14" Sweet Gum	Good	Good	Boundary Tree		Yes		
2766	15" Pine	Good	Good	Boundary Tree		Yes		

AEC NOTE

TREE #2771 HAS BEEN INCORRECTLY ASSESSED AS A BOUNDARY TREE. IT IS WITHIN THE PROPERTY LINES OF THIS PROJECT AND HAS BEEN INCLUDED FOR EXISTING DENSITY CREDIT.

25-10-02-01 Upper Hembree Arborist Report Alpharetta Part 2 (There are existing tree tags hence there are gaps and missing tree tags of trees no longer there, lost tags, trees that don't meet the current standards and new tags)								
Tree #	Size/Species	Health Condition	Structural Condition	Classification	Comments	Design Around	Photo # (See Attached)	City of Alpharetta's Assessment
2767	19" Pine			Boundary Tree	Trunk Cankers; an indication of possible trunk rot. Signs of Pine Borers with thinning foliage, borer holes, pitch tubes and/or visible tree sap.	Yes	16	
2768	15" Water Oak	Good	Good	Boundary Tree				
2769	12" Tulip Poplar	Good	Good	Boundary Tree		Yes		
2770	12" Tulip Poplar	Good	Fair	Boundary Tree	1 of the Co-Dominate leaders needs to be removed	Yes		
2772	27" Tulip Poplar	Good	Good	Boundary Tree		Yes		
2773	23" Tulip Poplar	Good	Good	Boundary Tree		Yes		
2774	27" Red Oak	Good	Poor	Boundary Tree	2 Co-Dominate Leaders 40' up with weak crotches and included bark. Due the species, a multi-stem is undesirable and could be a life safety issue.	Yes		
2775	24" Tulip Poplar	Poor	Poor	Boundary Tree	Trunk Cankers; an indication of possible trunk rot.	Yes		
2776	21" Tulip Poplar	Good	Good	Boundary Tree		Yes		
2777	22" Tulip Poplar	Good	Good	Boundary Tree		Yes		
2778	17" White Oak	Good	Good	Boundary Tree		Yes		
2779	10" Sourwood	Good	Good	Specimen/ Boundary Tree		Yes		
2780	20" Hickory	Good	Good	Boundary Tree		Yes		
2781	17" Water Oak	Good	Good	Boundary Tree		Yes		
2782	18" Tulip Poplar	Good	Good	Boundary Tree				
2783	27" Pine	Poor	Poor	Boundary Tree	Signs of Pine Borers with thinning foliage, borer holes, pitch tubes and/or visible tree sap.	Yes		

Tree Care Services for New Landscape Trees (45 Trees)

- Post-Construction 24-Month Monitoring:** For 24 months following construction, an ISA Certified Arborist shall perform monthly inspections and provide a written report (via email) to the Developer, owner, property manager, and the City of Alpharetta on the condition of these trees. The current or new property owner shall provide access to the new trees for these inspections. These inspections shall also include monitoring of irrigation and mulching for the newly planted trees. 8 visits. April 2027 through March 2029
- Pre-Planting Meeting:** The Project Arborist will meet with the landscape contractor to discuss the quality, sizes, and acceptance of the landscape material, proper handling and planting techniques, mulching, staking, watering, removal of flagging and tree tags, root barrier installation, etc., for plan compliance and the City of Alpharetta detail specifications. Plant material will be offloaded directly onto a grassed or mulched area, where it will be stored until planted. This shall be a protected area where construction activities are not taking place. Trees and shrubs shall also be protected from radiant heat. Depending on the time of year of planting, the trees may need to be stored in a temporary nursery with irrigation, hardened in, and protected from heat or cold. The Landscape Contractor(s) shall consult with the Project Arborist and Design Landscape Architect for specifics upon delivery of plant material. 1 visit. TBD Based on Construction December 2026
- Pruning 1:** During the fall or winter of 2027, after the first growing season, the 45 new landscape trees will be evaluated by the Project Arborist for additional pruning needs and pruned for form, structure, and clearance. Per the City of Alpharetta, the trees shall be raised to provide 7 feet of clearance over the sidewalks. The Project Arborist shall perform any required pruning. All cuts shall be made with a bypass pruner or loppers; larger limbs shall be cut using the three-cut method and a sharp pruning saw. 1 visit. TBD 2027/2028
- Fertilization and Soil Amendment Regimen:** All 45 new landscape trees listed will be fertilized using an organic 4-4-2 with 9% Calcium (or similar) slow-release pelletized fertilizer with minerals and nutrients and activated biochar. 1 visit. TBD 2027/2028

Tree Care Prescription

(Impacted Trees, Boundary Trees, and Trees in the Tree Protection Zone)

Monitoring and Inspection Services

- Tree Protection Meeting and Monitoring:** Before construction, the required tree-save fencing, as approved by the City of Alpharetta, shall be installed per the final stamped plans. These areas shall be off-limits to all construction activities, equipment, material storage, sanitation facilities, pedestrian traffic, etc., unless approved by the City of Alpharetta. Orange Poly Fence, which is wire-backed or chain-link tree protection fencing, will be inspected and installed per the city details, as called out on the plan. 1 visit. March 2026
- Tree Removal Oversight:** During grading operations, any trees identified for removal within the TPZ (Tree Protection Zones) will be under the Project Arborist's oversight to ensure that surrounding saved trees are not damaged. The Project Arborist will provide an email report of the final work completed to the Developer and the City of Alpharetta Arborist. A price has been provided in the optional service section of this prescription for the Project Arborist to remove the trees. 1 visit. March 2026
- Construction Monitoring:** During construction, the Project Arborist shall conduct monthly inspections of the trees. Monitoring will include the following items: the health and structural condition of all trees identified in the lists above. The new landscape trees, if planted during construction. Review the condition of the TPZ. Perform soil moisture monitoring for saved trees. Review mulching of saved trees when required. On-site inspection of the installation of any required root barrier. An email report of the inspection detailing any changes to the condition of these trees shall be provided to the Developer and the City of Alpharetta Arborist. 12 visits. March 2026 through March 2027
- Root Barrier Monitoring:** The 3 (three) Willow Oak trees that are located near the entrance and sidewalk, if required by the City of Alpharetta, are to have a Root Barrier (Deep Root or other types) installed. The Project Arborist will monitor and inspect during the construction company's installation. The Project Arborist will work with the contractor installing the sidewalks to install the root barrier at that time. The Contractor and Owner SHALL give the Project Arborist 72 hours' notice prior to the installation. 1 visit. TBD Based on the Construction estimated at the end of January/February 2027
- City of Alpharetta Required CO Inspections and Final Property Inspection:** Before the release of the CO, the Project Arborist and/or Landscape Architect shall submit a report based on the City of Alpharetta CO checklist. 1 visit. TBD Based on Construction in March 2027

AEC NOTE

THE TREE CARE AND MAINTENANCE PLAN WILL BE UPDATED AS NEEDED PENDING SITE LAYOUT UPDATES.

ARBORIST REPORT &
TREE CARE &
MAINTENANCE PLAN

UPPER HEMBREE
ROAD HEALTHCARE
1270 UPPER HEMBREE ROAD
ALPHARETTA, GA 30009

NO.	DATE	REVISIONS	ALPHARETTA COMMENTS
1	2-27-26		

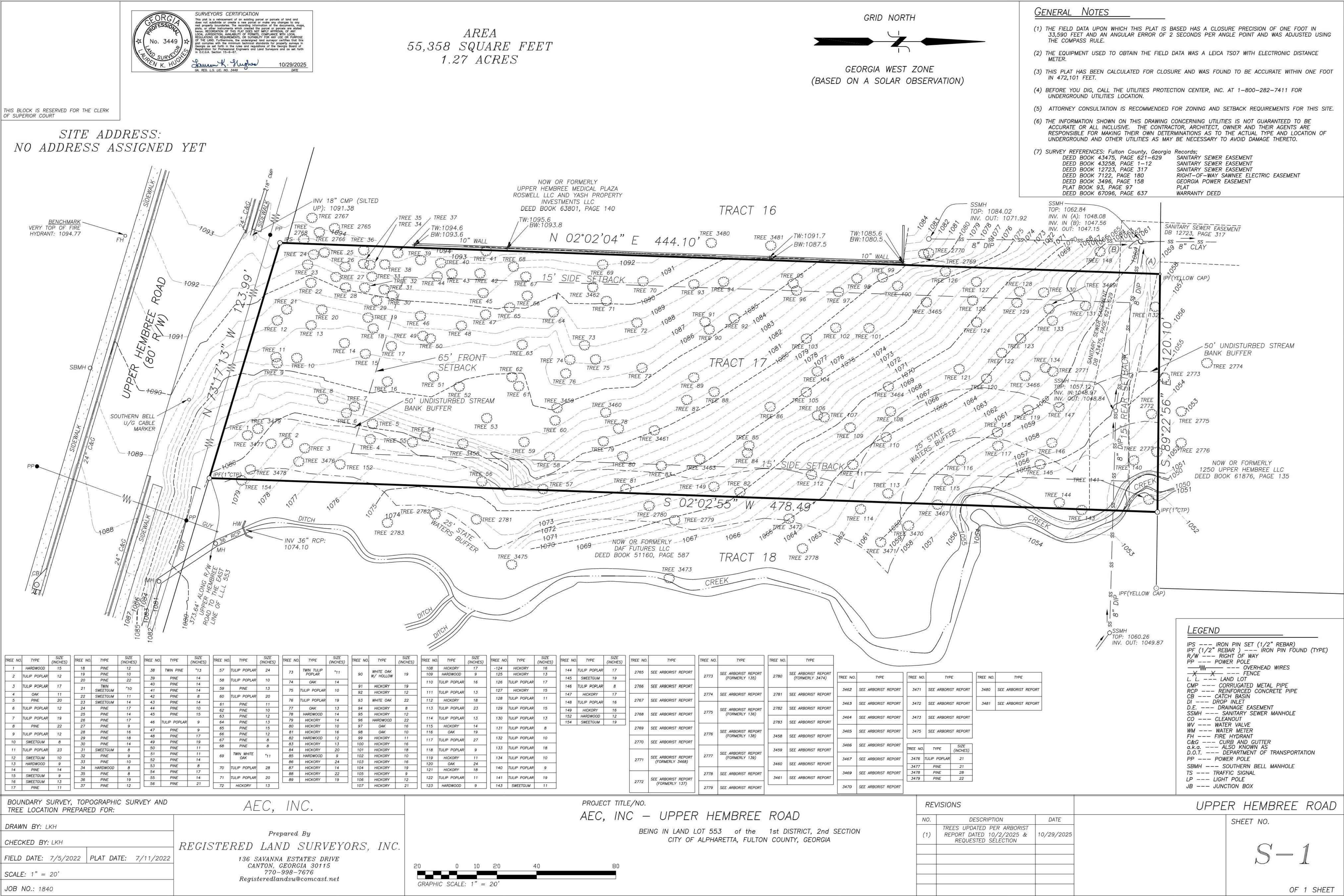
PROJECT NO.: 25-5238
CIVIL DRAWN BY: AJS
CIVIL DESIGNED BY: AJS, CJF
LANDSCAPE DRAWN BY: NGH / JPS
LANDSCAPE DESIGNED BY: NGH / JPS
CHECKED BY:
DATE: 10/05/2025

SHEET

L.I.I



Know what's below.
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Dial 811 or Call 1-800-282-7411



AEC
Civil Engineering
Land Planning
Landscape Architecture
Water Resources
Property Services
Arborist Services
50 Warm Springs Circle
Roswell • Georgia • 30075
(770)641-1942 • www.aecatl.com

UPPER HEMBREE ROAD HEALTHCARE
1270 UPPER HEMBREE ROAD
ALPHARETTA, GA 30009

REVISIONS
DATE: 2-27-26
REVISIONS: ALPHARETTA COMMENTS
NO. 1
PROJECT NO.: 25-5238
CIVIL DRAWN BY: AJS
LANDSCAPE DESIGNED BY: AJS, CJF
LANDSCAPE DRAWN BY: NGH / JPS
LANDSCAPE DESIGNED BY: NGH / JPS
CHECKED BY:
DATE: 10/05/2025
SHEET
L1.2

Trees to Remain (Outside 50' Undisturbed Buffer)					
Tree #	Qty	Tree	DBH	Specimen Multiplier	Total Inches
5	1	Pine	20"	1	20
6	1	Tulip Poplar	12"	1	12
54	1	Pine	17"	1	17
55	1	Pine	14"	1	14
58	1	Tulip Poplar	10"	1	10
59	1	Pine	13"	1	13
108	1	Hickory	17"	1	17
111	1	Tulip Poplar	13"	1	13
120	1	Oak	24"	1	24
121	1	Hickory	18"	1	18
122	1	Tulip Poplar	11"	1	11
123	1	Hardwood	9"	1	9
124	1	Hickory	16"	1	16
125	1	Hickory	13"	1	13
126	1	Tulip Poplar	17"	1	17
127	1	Hickory	15"	1	15
128	1	Tulip Poplar	11"	1	11
129	1	Tulip Poplar	15"	1	15
130	1	Tulip Poplar	13"	1	13
131	1	Tulip Poplar	8"	1	8
132	1	Tulip Poplar	10"	1	10
133	1	Tulip Poplar	18"	1	18
134	1	Tulip Poplar	10"	1	10
2771	1	Red Oak	30"	2	60
3458	1	Tulip Poplar	38"	1	38
3464	1	Beech	11"	1	11
3466	1	Sourwood	13"	2	26
3469	1	Red Oak	30"	2	60
28				Total Inches to Remain	\$19"

Tree Density Calculations	
Total Site Acreage (ac)	1.27
Buffers, Utility & Maintenance Easements on Site(ac)	0.307
Site Acreage Considered for Density (ac)	0.963
(Total Acreage - Buffers & Utility Easement Acreage)	
Density Inches Requirement (Inches/Acre)	130
Total Site Density Factor (SDF) (Inches)	125.2"
(Density Acreage X Density Unit Requirement)	
Total Existing Density Factor (EDF) (Inches)	519.0"
Total Replacement Density Factor (RDF) (Inches) (SDF - EDF)	(393.8")
Replacement Density Inches Provided (Inches)	64.0"
Density Requirement Met	

Specimen Recompense Calculations	
Total Specimen Inches Required for Replacement	294.0"
Total Specimen Inches Provided	104.0"
Total Specimen Inch Deficit Owed to Tree Bank	190"
Remaining 4" Caliper Trees Required for Recompense	47.5
Estimated Fee Owed to Alpharetta Tree Bank (\$1200 per remaining 4" Caliper Tree)	\$57,000.00
Specimen Requirement Not Met	
Recompense Owed to the City of Alpharetta Tree Bank	

CITY OF ALPHARETTA TREE HARDSCAPE JUSTIFICATION STATEMENT
EVERY EFFORT WAS MADE TO PRESERVE AS MANY TREES AS POSSIBLE ON THIS SITE. THE GRADING THAT WAS NECESSARY FOR THE PROJECT WAS MINIMIZED TO PRESERVE THE MAXIMUM NUMBER OF TREES POSSIBLE.

BOUNDARY TREE AGREEMENT NOTE:

BOUNDARY TREE LETTER WILL BE PROVIDED AND MAILED AT TIME OF SECOND LDP SUBMITTAL FOR TREE #2766 WITH 15.0% PROPOSED IMPACT

TREE REMOVAL NOTE:

TREES WITH MORE THAN 20% PROPOSED IMPACTS LOCATED WITHIN THE TREE PROTECTION AREA SHALL BE REMOVED BY HAND. NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE TREE PROTECTION AREA

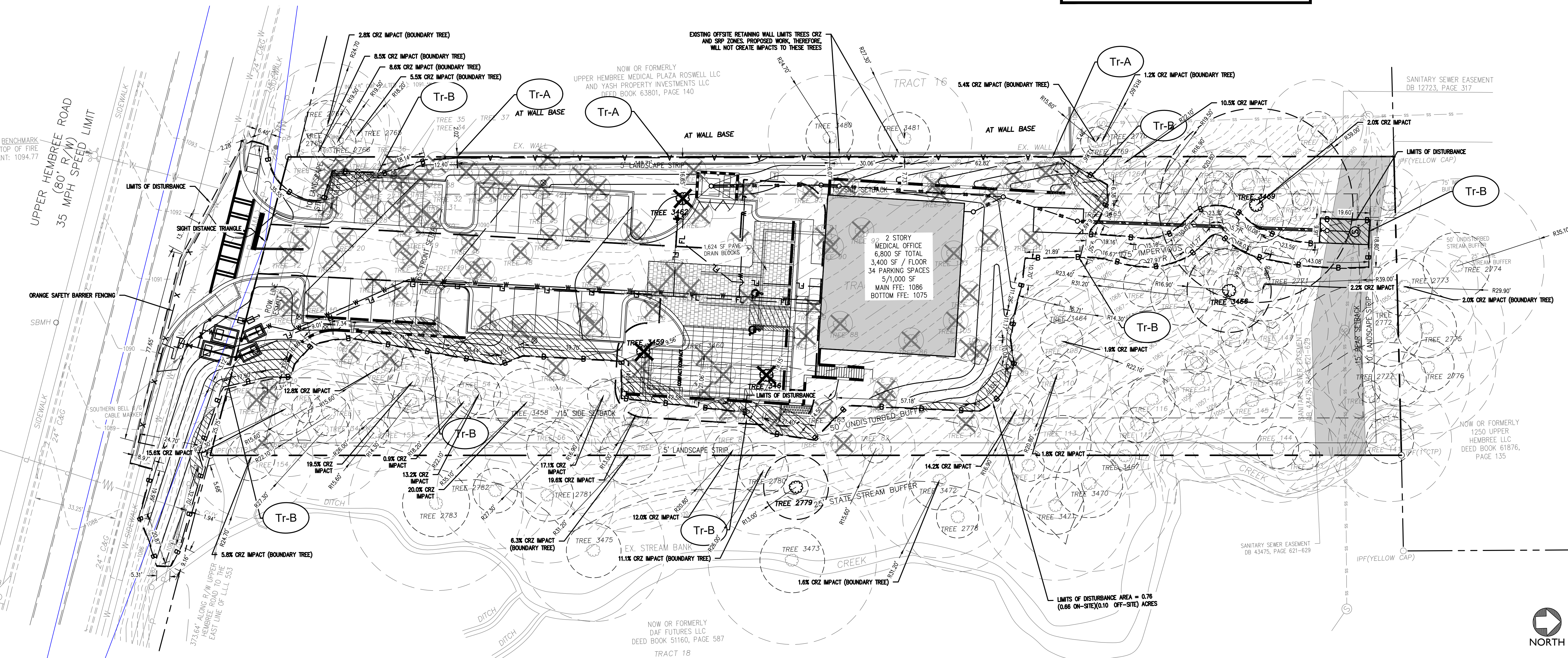
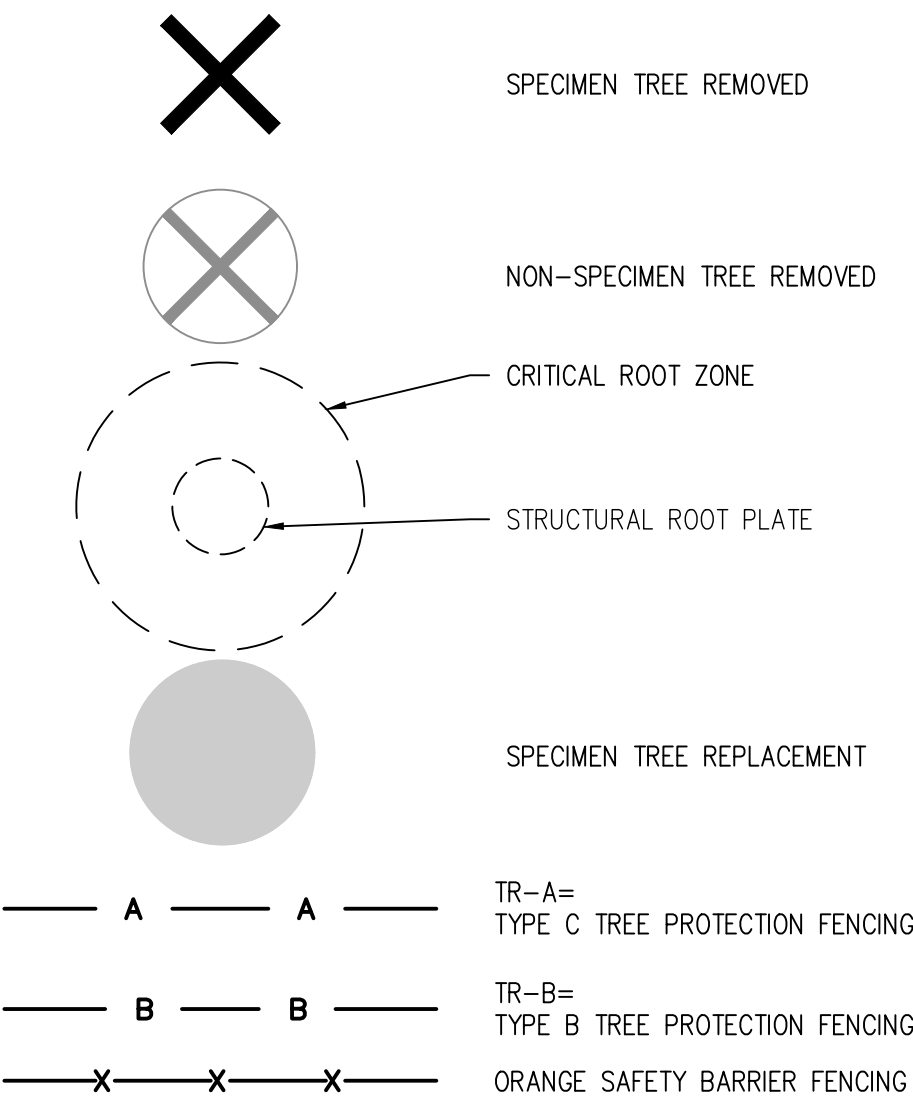
JACK & BORE DISTURBANCE NOTE:

TREES LOCATED ALONG THE 10'-12' WIDTH PATH FOR ACCESSING THE JACK & BORE RECEIVING PIT SHALL REMAIN.

CITY OF ALPHARETTA TREE PROTECTION NOTES

- IF THERE ARE INCONSISTENCIES BETWEEN ANY ITEMS ON THESE PLANS THE MORE STRICT INTERPRETATION OF THOSE REQUIREMENTS SHALL BE FOLLOWED. PLEASE CONTACT THE CITY ARBORIST FOR ANY INTERPRETATION.
- PRIOR TO THE TREE SAVE FENCE INSPECTION PROVIDE THE CITY ARBORIST WITH PROOF OF PRE-PAYMENT OF THE REQUIRED TREE CARE PLAN TO A REPUTABLE TREE CARE COMPANY.
- TREE SAVE FENCE AND SIGNAGE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE THIS INSPECTION AND APPROVAL HAS OCCURRED.
- THE CRZ OF SPECIMEN TREES PLUS ALL BUFFERS SHALL BE PROTECTED WITH WIRE-BACK TREE SAVE FENCING WITH METAL SUPPORT POSTS AND TREE SAVE SIGNAGE.
- INSTALLATION OF THE TREE SAVE FENCE WILL INVOLVE NO TRENCHING.
- ALL EXISTING TREES IDENTIFIED FOR PRESERVATION OR FOUND WITHIN TREE SAVE AREAS MUST BE FULLY PROTECTED DURING ALL PHASES OF THIS PROJECT.
- ADDITIONAL TREES ALONG THE LIMITS OF DISTURBANCE WITH ENCROACHMENT INTO THE SRP AND DEEMED STRUCTURALLY UNSAFE BY THE CITY ARBORIST OR THE PROJECT ARBORIST MAY BE REQUIRED TO BE REMOVED PRIOR TO CO.
- ALL ROOTS ENCOUNTERED 1/2" OR GREATER DURING GRADING OR EXCAVATING OPERATIONS SHALL BE CLEAN CUT UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
- ANY LIMBS OVERHANGING THE LOD THAT MAY BE RIPPED, TORN, OR DAMAGED DURING CONSTRUCTION SHALL BE PROPERLY PRUNED UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
- IT IS THE OWNER'S RESPONSIBILITY TO MAINTAIN THE VEGETATION AND REMOVE TRASH AND DEBRIS AROUND THE PERIMETER OF THE PROJECT, EVEN IF WITHIN THE PUBLIC ROW, IN ACCORDANCE WITH THE CITY OF ALPHARETTA PROPERTY MAINTENANCE CODES.
- ALL APPROVED REVISIONS TO THE LOCATION OF THE TREE SAVE FENCE NEED TO BE COORDINATED WITH THE LAND DISTURBANCE INSPECTOR PRIOR TO RELOCATION.

TREE PROTECTION & REPLACEMENT KEY



Scale 1" = 20'

GEORGIA811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.
Dial 811 or Call 1-800-282-7411

UPPER HEMBREE ROAD HEALTHCARE OVERALL TREE PROTECTION PLAN

1270 UPPER HEMBREE ROAD
ALPHARETTA, GA 30009

NO.	REVISIONS	DATE
1	ALPHARETTA COMMENTS	2-27-26

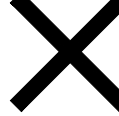
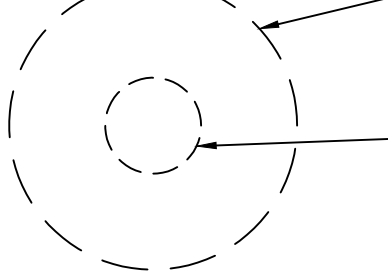
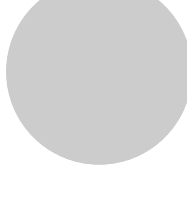
PROJECT NO.: 25-5238
CIVIL DRAWN BY: AJS
LANDSCAPE DRAWN BY: NGH / JPS
LANDSCAPE DESIGNED BY: NGH / JPS
CHECKED BY:
DATE: 1/10/25 / 2025

SHEET

L2.0

	WILLOW OAK		BALD CYPRESS
	PRINCETON ELM		OCTOBER GLORY RED MAPLE
	BLACK GUM		GREEN GIANT ARBORVITAE
	REGAL PRINCE OAK		NELLIE R. STEVENS HOLLY

TREE PROTECTION & REPLACEMENT KEY

	SPECIMEN TREE REMOVED
	NON-SPECIMEN TREE REMOVED
	CRITICAL ROOT ZONE STRUCTURAL ROOT PLATE
	SPECIMEN TREE REPLACEMENT
	TR-A= TYPE C TREE PROTECTION FENCING
	TR-B= TYPE B TREE PROTECTION FENCING
	ORANGE SAFETY BARRIER FENCING

Density Replacement	Specimen Replacement	Botanical Name	Common Name	Min. Size	Unit Value	Total Density Inches (0 Required)	Total Specimen Inches (294 Required)	% Of Total*	Overystory**	Native to GA Piedmont***	Specifications
Qnty	Qnty										
5	7	Taxodium distichum	Bald Cypress	4" Cal.	4.0		28.0"	14.9%	14.9%	14.9%	Single Straight Leader, Full & Even Form, Free of Pests & Disease
	Quercus phellos "Long"	Willow Oak	Regal Prince Oak	4" Cal.	4.0	20.0"	24.0"	23.4%	23.4%	23.4%	Single Straight Leader, Full & Even Form, Free of Pests & Disease
	Acer rubrum "October Glory"	Acorn Rubrum Red Maple	Octobor Glory Red Maple	4" Cal.	4.0		16.0"	8.5%	8.5%	8.5%	Single Straight Leader, Full & Even Form, Free of Pests & Disease
	Nyssa sylvatica "Green Gable"	Green Gable Black Gum		2" Cal.	2.0	8.0"		8.5%	8.5%	8.5%	Single Straight Leader, Full & Even Form, Free of Pests & Disease
	Ulmus americana "Princeton"	Princeton American Elm		4" Cal.	4.0	24.0"		12.8%	12.8%	12.8%	Single Straight Leader, Full & Even Form, Free of Pests & Disease
	Thuja plicata "Green Giant"	Green Giant Arborvitae		4" Cal./ 13-14' ht	4.0		36.0"	19.1%	12.8%	12.8%	Single Straight Leader, Full to Ground, Full & Even Form, Free of Pests & Disease
6	Ilex x Nellie R. Stevens'	Nellie R. Stevens Holly		2" Cal./ 9-10ft	2.0	12.0"		12.8%		12.8%	Single Straight Leader, Full to Ground, Full & Even Form, Free of Pests & Disease
21	26		Total Tree Inches Replaced			64.0"	194.0"	100.0%	68.1%	68.1%	
						**NO MORE THAN 25% OF ALL TREES PLANTED ARE OF ANY ONE GENUS					
						***NO LESS THAN 40% OF ALL TREES PLANTED ARE OVERYSTORY TREES					
						****NO LESS THAN 50% OF ALL TREES PLANTED ARE NATIVE/ADAPTED TO GA PIEDMONT					

X

SPECIMEN TREE REMOVED

X

NON-SPECIMEN TREE REMOVED

CRITICAL ROOT ZONE

STRUCTURAL ROOT PLATE

SPECIMEN TREE REPLACEMENT

A A

TYPE C TREE PROTECTION FENCING

B B

TYPE B TREE PROTECTION FENCING

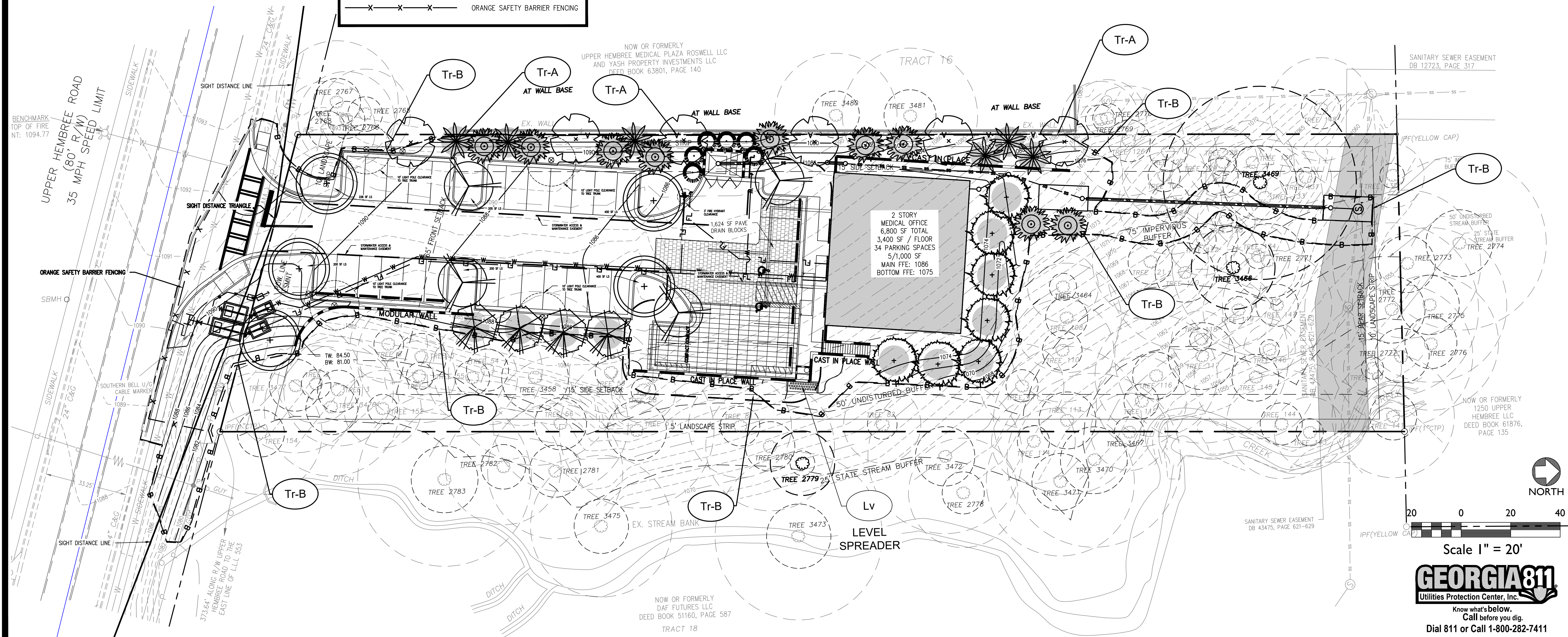
X X X

ORANGE SAFETY BARRIER FENCING

Tree Density Calculations	
Total Site Acreage (ac)	1.27
Buffers, Utility & Maintenance Easements on Site(ac)	0.307
Site Acreage Considered for Density (ac)	0.963
<i>(Site Acreage - Buffers & Utility Easement Acreage)</i>	
Density Inches Requirement (Inches/acre)	130
<i>Total Site Density Factor (SDF) (Inches)</i>	
<i>(Density Acreage X Density Unit Requirement)</i>	125.2*
Total Existing Density Factor (EDF) (Inches)	519.0*
<i>Total Replacement Density Factor (RDF) (Inches)</i>	
<i>(SDF - EDF)</i>	(393.8)*
<i>Replacement Density Inches Provided (Inches)</i>	
	64.0*
Density Requirement Met	

Specimen Recompense Calculations		
Total Specimen Inches Required for Replacement		294.0'
Total Specimen Inches Provided		104.0"
Total Specimen Inch Deficit Owed to Tree Bank		190"
Remaining 4" Caliper Trees Required for Recompense		47.5
Estimated Fee Owed to Alpharetta Tree Bank (\$1200 per remaining 4" Caliper Trees)		\$57,000.00
Specimen Requirement Not Met		
Recompense Owed to the City of Alpharetta Tree Bank		

NATIVE PLANTING %	
TOTAL TREES, SHRUBS, FERNS AND GRASSES PLANTED	377
TOTAL NATIVE TREES, SHRUBS, FERNS AND GRASSES PLANTED	266
TOTAL % NATIVE PLANTINGS	71%



Requirements:		
1 Tree / 25 of Frontage		
Upper Hembree Road Frontage		
Frontage Length (LF) (excluding drive & tree save area)		57.7
Trees Required (<i>Frontage Length X 1 Tree / 25 LF</i>)		3
Trees Provided (Willow Oak)		3
Landscape Strip Requirements Met		

Requirements:		
1 Tree / 50 LF of Perimeter		
Shrubs Required (Qty not specified in code)		
5' Perimeter LS Strip- WEST		
Perimeter Length (LF) (outside existing tree canopy & existing SS Easement)		273.20
Trees Required (Length X 1 Tree / 50 LF)		6
New Proposed Trees (Princeton Elm)		6
Total Trees		6
Shrubs Provided		28
West Landscape Strip Requirements Met		

Requirements:	
1 Tree / 50 LF of Perimeter	
Shrubs Required (Qty not specified in code)	
10' Perimeter LS Strip- NORTH	
Perimeter Length (LF)	110.10
Trees Required (Length X 1 Tree / 50 LF)	3
Existing Trees to Remain	4
Total Trees	4
Shrubs Provided (ALL existing vegetation to remain)	
North Landscape Strip Requirements Met	

Requirements:	
1 Tree / 50 LF of Perimeter	
Shrubs Required (Qty not specified in code)	
5' Perimeter LS Strip- EAST	
Perimeter Length (LF) (excluding Existing SS Easement)	422.10
Trees Required (Length X 1 Tree / 50 LF)	9
Existing Trees to Remain	10
Total Trees	10
Shrubs Provided (ALL existing vegetation to remain)	
East Landscape Strip Requirements Met	

Requirements: Plantings to be min. 80% Evergreen At time of installation: Shrubs to be min. of 4' tall Evergreen trees to be 6' tall Deciduous tree to be 2" cal. Total Screening Plantings: 6 Evergreen: 6 Trees & Shrubs (100%) Deciduous: 0 Trees & Shrubs (0%)
Screening Requirement Met



Civil Engineering
Land Planning
Landscape Architecture

Water Resources
Property Services
Arbortree Services

50 Warm Springs Circle
Roswell • Georgia • 30075
(770)641-1942 • www.aecad.com

OVERALL TREE REPLACEMENT PLAN

UPPER HEMBREE
ROAD HEALTHCARE
1270 UPPER HEMBREE ROAD
ALPHARETTA, GA 30009

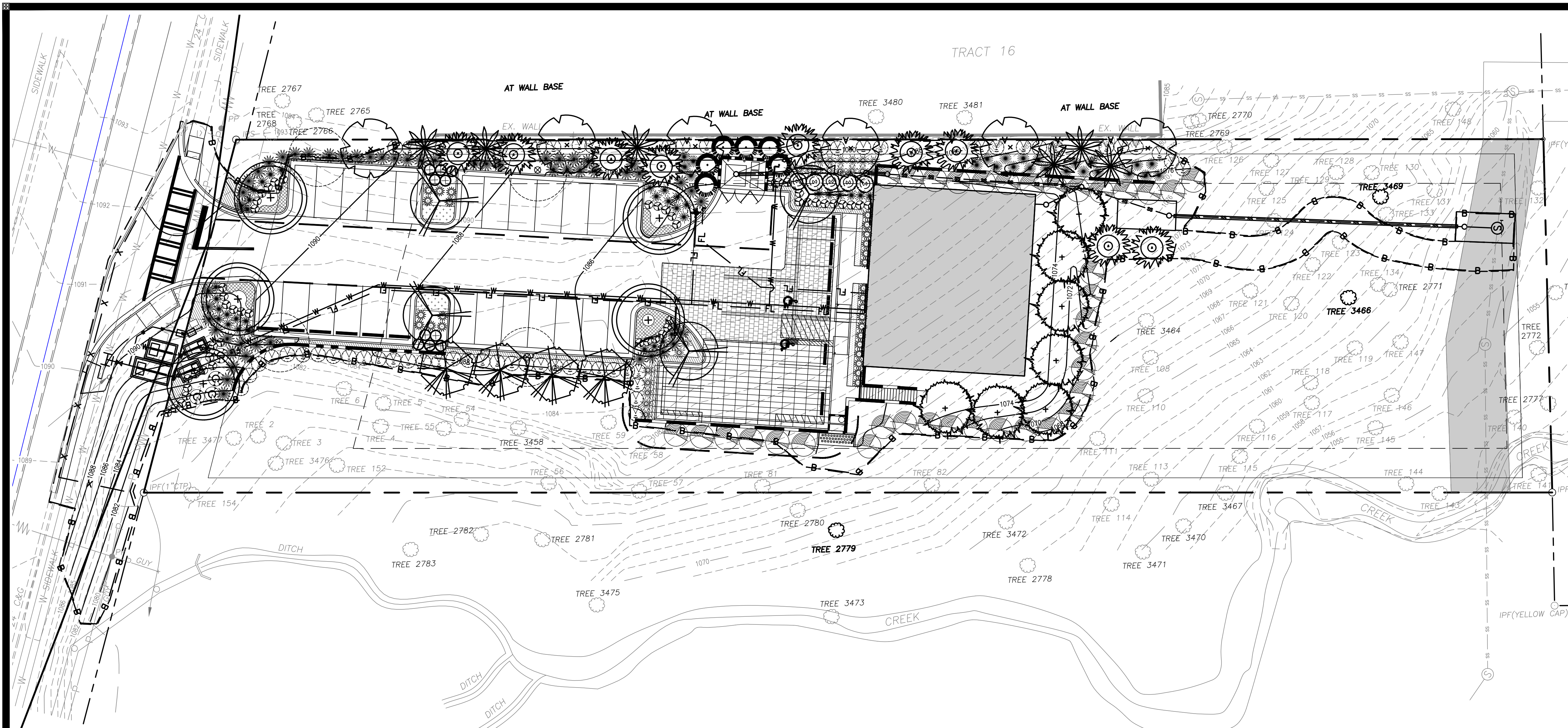
NO.	REVISIONS	DATE
I.	ALPHARETTA COMMENTS	2-17-26

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PROJECT NO.: 25-5238
CIVIL DRAWN BY: AJS
CIVIL DESIGNED BY: AJS, CJF
LANDSCAPE DRAWN BY: NGH / JPS
LANDSCAPE DESIGNED BY: NGH / JPS
CHECKED BY:
DATE - 10/05/2025

SHEET

L3.0



CITY OF ALPHARETTA UTILITY LANDSCAPE NOTE
ALL TREES MUST BE PLANTED OUTSIDE OF ANY UTILITY EASEMENTS, UNLESS APPROVED BY THE CITY ARBORIST OR UTILITY PROVIDER.

- CITY OF ALPHARETTA LANDSCAPE NOTES**
- THE CITY ARBORIST MUST INSPECT THE SITE BEFORE INSTALLATION OF EROSION CONTROL MEASURES. LAND DISTURBANCE WITHOUT A SITE INSPECTION AND APPROVAL BY THE CITY ARBORIST WILL RESULT IN A "STOP-WORK ORDER" AND FINES.
 - IF TREE SURVEY INACCURACIES ARE FOUND ON-SITE, A STOP WORK ORDER WILL BE ISSUED UNTIL REVISED PLANS ARE APPROVED AND PROCESSED BASED ON ACCURATE INFORMATION.
 - DESIGN LANDSCAPE ARCHITECT OR PROJECT ARBORIST MUST INSPECT, VERIFY AND APPROVE THE LANDSCAPE HAS BEEN PLANTED PER THE APPROVED PLANS AND CITY STANDARDS PRIOR TO CONTACTING THE CITY ARBORIST FOR A CO INSPECTION.
 - TREES AGREED UPON TO BE SAVED ARE THE RESPONSIBILITY OF THE OWNER.
 - A 4" LAYER OF MULCH WILL BE REQUIRED FOR THE CRZ OF SPECIMEN TREES, TREES OF QUALITY, AND TREE GROUPINGS. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION. MULCH SHALL NOT BE PLACED DIRECTLY AGAINST TREE TRUNKS.
 - A MINIMUM 2" LAYER OF MULCH WILL BE REQUIRED FOR ALL EXISTING, NON SPECIMEN, LANDSCAPE TREES, INCLUDING STREET TREES AND PARKING LOT TREES. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION. MULCH SHALL NOT BE PLACED DIRECTLY AGAINST TREE TRUNKS.
 - ALL MULCH MUST BE ORGANIC MULCH CONSISTING OF WOOD CHIPS, SHREDDED BARK, PINE NEEDLES, OR SIMILAR. SYNTHETIC MULCH OR ROCKS ARE NOT APPROVED FOR USE IN THE CITY OF ALPHARETTA.
 - ALL NEWLY PLANTED TREES SHALL HAVE VISIBLE ROOT FLARES AT FINISHED GRADE. NO CIRCLING ROOTS SHALL BE ALLOWED ON PLANTED TREES. THE UPPER TWO RINGS OF THE WIRE BASKET, ALL BURLAP, AND STRAPPING MUST BE CUT AND REMOVED PRIOR TO BACKFILL.
 - PLANT SIZES (CALIPER AND HEIGHT) MUST MATCH THE SIZES SHOWN ON THE PLANS. PLANTS THAT DO MEET THESE MINIMUMS WILL NOT BE ACCEPTED. E.G. 3 INCH CALIPER TREES MUST BE 3 INCHES OR LARGER PLANT HEIGHT MEASUREMENT IS TAKEN AT THE TOP OF THE MAIN BODY OF THE PLANT AND NOT AT THE TIP OF THE TOPMOST GROWTH.
 - ALL NEWLY PLANTED TREES SHALL BE EQUIVALENT IN QUALITY TO A FLORIDA #1 GRADE OR BETTER. ALL TREES OF LESSER QUALITY SHALL BE REJECTED BY THE CITY ARBORIST.
 - WATERING BAGS OR A DRIP IRRIGATION SYSTEM MUST BE PROVIDED FOR ALL TREES IMMEDIATELY AFTER PLANTING AND REMAIN THROUGH ESTABLISHMENT.
 - WHEN WATERING BAGS ARE USED, MANUFACTURERS RECOMMENDATIONS MUST BE FOLLOWED FOR PROPER SIZING AND WATERING SCHEDULES. BAGS WILL BE FILLED WEEKLY BY OWNER AND DURING DROUGHTS FOR A MINIMUM OF 18 MONTHS AFTER INSTALLATION.
 - NO TRENCHING ALLOWED IN TREE SAVE AREAS- INCLUDING IRRIGATION.
 - TREE PIT DRAINAGE TESTING IS REQUIRED WHEN TREES ARE PLANTED IN PARKING LOT ISLANDS, SIDEWALK, TREE PITS, ROADWAY MEDIANS, OR SIMILAR LOCATIONS. PLEASE REFER TO CITY DETAILS REGARDING PLANTING PIT OR LANDSCAPE ISLAND CONSTRUCTION. FILL EACH PIT WITH WATER. IF PERCOLATION IS LESS THAN 100% WITHIN A PERIOD OF 12 HOURS, USE AN AUGER TO DRILL A 10" HOLE TO A DEPTH OF FOUR FEET BELOW THE BOTTOM OF THE PIT. FILL AUGER HOLE WITH DRAINAGE GRAVEL AND COVER WITH A SOIL SEPARATOR. RETEST PIT. IF DRAINAGE IS STILL UNSATISFACTORY, CITY ARBORIST AND/OR PROJECT ARBORIST MUST BE NOTIFIED IN WRITING OF THE LOCATIONS WITH UNSATISFACTORY DRAINAGE SO THAT A SOLUTION CAN BE ARRIVED AT BEFORE PLANTING. ALL TESTING RESULTS MUST BE PROVIDED TO THE CITY ARBORIST.
 - ALL BUFFERS SHALL BE PLANTED WHERE SPARSE AND CODE REQUIRED SCREENING SHALL BE INSTALLED IN ORDER TO CREATE A YEAR ROUND OPAQUE SCREEN WITHIN 2 YEARS OF CONSTRUCTION OR AS DIRECTED BY THE CITY OF ALPHARETTA IN ORDER TO CREATE A YEAR ROUND OPAQUE SCREEN WITHIN 2 YEARS OF CONSTRUCTION. DURING CONSTRUCTION OR AT THE TIME OF CO THE CITY MAY REQUIRE ADDITIONAL PLANTINGS TO MEET THESE REQUIREMENTS ABOVE WHAT IS SHOWN ON THE APPROVED LANDSCAPE PLAN.
 - ALL TREE ANCHORING DEVICES SHALL BE REMOVED FROM TREE AFTER ONE COMPLETE GROWING SEASON OR ONE YEAR AFTER PLANTING, WHICHEVER IS GREATER.
 - PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE CARE AND MAINTENANCE OF THE TREES AND LANDSCAPING THAT FRONT THEIR PROPERTY WITHIN THE ROW.
 - ALL LANDSCAPE CONTRACTORS ARE REQUIRED TO ATTEND THE CITY OF ALPHARETTA PRE-CONSTRUCTION CLASS PRIOR TO STARTING WORK ON ANY PROJECT. PLEASE CONTACT (678)297-6200 FOR INFORMATION AND TO RESERVE A SPOT.
 - NO TREES SHALL BE PLANTED ON ANY AREA OF AN EARTHEN DAM OR EMBANKMENT.

Upper Hembree Rd. Landscape Strip Calculations	
Requirements:	1 Tree / 25' of Frontage
Upper Hembree Road Frontage	
Frontage Length (LF) (excluding drive & tree save area)	57.7
Trees Required (Frontage Length X 1 Tree / 25 LF)	3
Trees Provided (Willow Oak)	3
Landscape Strip Requirements Met	

5' Perimeter Landscape Strip Calculations	
Requirements:	1 Tree / 50 LF of Perimeter Shrubs Required (Qty not specified in code)
5' Perimeter LS Strip- WEST	
Perimeter Length (LF) (outside existing tree canopy & existing SS Easement)	273.20
Trees Required (Length X 1 Tree / 50 LF)	6
New Proposed Trees (Princeton Elm)	6
Total Trees	6
Shrubs Provided	28
West Landscape Strip Requirements Met	

10' North Perimeter Landscape Strip Calculations	
Requirements:	1 Tree / 50 LF of Perimeter Shrubs Required (Qty not specified in code)
10' Perimeter LS Strip- NORTH	
Perimeter Length (LF)	110.10
Trees Required (Length X 1 Tree / 50 LF)	3
Existing Trees to Remain	4
Total Trees	4
Shrubs Provided (ALL existing vegetation to remain)	
North Landscape Strip Requirements Met	

5' Perimeter Landscape Strip Calculations	
Requirements:	1 Tree / 50 LF of Perimeter Shrubs Required (Qty not specified in code)
5' Perimeter LS Strip- EAST	
Perimeter Length (LF) (excluding Existing SS Easement)	422.10
Trees Required (Length X 1 Tree / 50 LF)	9
Existing Trees to Remain	10
Total Trees	10
Shrubs Provided (ALL existing vegetation to remain)	
East Landscape Strip Requirements Met	

Dumpster Screening Requirements	
Requirements:	Plantings to be min. 80% Evergreen At time of installation: Shrubs to be min. of 4' tall Evergreen trees to be 6' tall Deciduous tree to be 2" cal.
Total Screening Plantings: 6	
Evergreen: 6 Trees & Shrubs (100%)	
Deciduous: 0 Trees & Shrubs (0%)	
Screening Requirement Met	

SHRUB & LANDSCAPE KEY	
	FLAME AZALEA
	AMERICAN BEAUTYBERRY
	OAKLEAF HYDRANGEA
	GLOSSY ABELIA
	CERISE CHARM FRINGE FLOWER
	COMPACT INKBERRY
	STOKE'S DWARF YAUPON
	KALEIDOSCOPE ABELIA
	MAIDEN GRASS
	FOERSTER'S REED SWITCH GRASS
	REGAL MIST PINK MUHLY GRASS
	BIG BLUE LIRIOPE
	MING TOY DAYLILY
	WHITE BUTTERFLY GAURA
	SEASONAL COLOR

TREE SYMBOL KEY	
	WILLOW OAK
	BALD CYPRESS
	PRINCETON ELM
	OCTOBER GLORY RED MAPLE
	BLACK GUM
	GREEN GIANT ARBORVITAE
	REGAL PRINCE OAK
	NELLIE R. STEVENS HOLLY

TREE PROTECTION & REPLACEMENT KEY	
	SPECIMEN TREE REMOVED
	NON-SPECIMEN TREE REMOVED
	CRITICAL ROOT ZONE
	STRUCTURAL ROOT PLATE
	SPECIMEN TREE REPLACEMENT
	TR-A= TYPE A TREE PROTECTION FENCING
	TR-B= TYPE B TREE PROTECTION FENCING
	ORANGE SAFETY BARRIER FENCING

Ornamental Plant List						
Qty	Botanical Name	Common Name	Min. Size	Spacing	Specifications	% Native
Shrubs						
52	Abelia x grandiflora	Glossy Abelia	2' Ht	As Shown	Free of Pests and Disease	
27	Abelia x grandiflora 'Kaledoscope'	Kaledoscope Abelia	3 Gal.	As Shown	Free of Pests and Disease	
4	Hydrangea quercifolia	Oakleaf Hydrangea	3 Gal.	As Shown	Free of Pests and Disease	1%
59	Ilex glabra 'Compacts'	Compact Inkberry	3 Gal.	As Shown	Free of Pests and Disease	18%
49	Ilex vomitoria 'Stoke's Dwarf'	Stoke's Dwarf Yaupon Holly	3 Gal.	As Shown	Free of Pests and Disease	15%
10	Loropetalum chinense 'Kurobinjin'	Cerise Charm Fringe Flower	2' Ht	As Shown	Free of Pests and Disease	
5	Callicarpa Americana	American Beautyberry	2' Ht	As Shown	Free of Pests and Disease	2%
36	Rhododendron calendulaceum	Flame Azalea	2' Ht	As Shown	Free of Pests and Disease	11%
242	TOTAL SHRUBS					
Ferns/Grasses						
35	Muhlenbergia capillaris 'Lanca'	Regal Mist Pink Muhly Grass	1 Gal.	As Shown	Free of Pests and Disease	11%
23	Miscanthus sinensis 'Gracillimus'	Maiden Grass	1 Gal.	As Shown	Free of Pests and Disease	7%
22	Calamagrostis x acutiflora 'Karl Foerster'	Foerster's Feather Reed Grass	1 Gal.	As Shown	Free of Pests and Disease	7%
80	TOTAL FERNS/ GRASSES					
Perennial/Groundcover						
30	Gaura lindheimeri 'Sparkle White'	Sparkle White Gaura	1 Gal.	24" OC x 24" Stag. Rows	Free of Pests and Disease	
91	Hemerocallis x 'Ming Toy'	Ming Toy Daylily	1 Gal.	18" OC x 18" Stag. Rows	Free of Pests and Disease	
213	Liriope muscari 'Big Blue'	Big Blue Liriope	4" Pot	18" OC x 18" Stag. Rows	Free of Pests and Disease	
104	Seasonal Color	Seasonal Color	4" Pot	12" OC x 12" Stag. Rows	Free of Pests and Disease	
Mulch/Pinestraw			Mulch/Pinestraw		Min 4" Depth. Free of Pests and Disease	
Tifway 419 Bermuda sod			Tifway 419 Bermuda sod		Free of Pests and Disease	
*CONTRACTOR TO FIELD VERIFY SOD & MULCH/PINESTRAW QUANTITIES BASED ON DISTURBED LIMITS						
TOTAL % NATIVE ORNAMENTAL						65%
NATIVE PLANTING %						
TOTAL TREES, SHRUBS, FERNS AND GRASSES PLANTED					377	
TOTAL NATIVE TREES, SHRUBS, FERNS AND GRASSES PLANTED					266	
TOTAL % NATIVE PLANTINGS					71%	

20 0 20 40

Scale 1" = 20'

GEORGIA811
Utilities Protection Center, Inc.

Know what's below.
Call before you dig.
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OVERALL ORNAMENTAL LANDSCAPE PLAN

UPPER HEMBREE ROAD HEALTHCARE
1270 UPPER HEMBREE ROAD
ALPHARETTA, GA 30009

DATE 2-27-26
REVISIONS
ALPHARETTA COMMENTS

PROJECT NO.: 25-5328
CIVIL DRAWN BY: AJS
LANDSCAPE DESIGNED BY: NGH / JPS
LANDSCAPE DESIGNED BY: NGH / JPS
CHECKED BY:
DATE: 10 / 05 / 2025

SHEET
L4.0

CITY OF ALPHARETTA LANDSCAPE NOTES

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- NO TREES SHALL BE PLANTED ON ANY AREA OF AN EARTHEN DAM OR EMBANKMENT.**

CITY OF ALPHARETTA UTILITY LANDSCAPE NOTE

ALL TREES MUST BE PLANTED OUTSIDE OF ANY UTILITY EASEMENTS, UNLESS APPROVED BY THE CITY ARBORIST OR UTILITY PROVIDER.

IRRIGATION NOTES

- IRRIGATION IS TO BE DONE BY THE LANDSCAPE CONTRACTOR AS A DESIGN BUILD SCOPE USING THE FOLLOWING PARAMETERS.
- TURF, SHRUB AND SEASONAL COLOR ARE TO BE ON SEPARATE ZONES.
- ALL ZONES MUST HAVE COMPLETE COVERAGE WITH 100% OVERLAP OF HEAD SPRAY.
- ALL SLEEVING WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
- THE IRRIGATION CLOCK IS TO BE MOUNTED INSIDE THE BUILDING AS DIRECTED BY THE OWNER.
- THE IRRIGATION SYSTEM WILL BE CONNECTED TO THE IRRIGATION METER LOCATED NEAR THE WATER VAULT. (SEE UTILITY PLAN FOR SPECIFIC LOCATION)
- AN ACCURATE AS-BUILT MYLAR DRAWING SHALL BE PROVIDED TO THE OWNER FOR THEIR RECORDS AS WELL AS ALL MANUFACTURERS OWNERS MANUALS FOR THE INSTALLED COMPONENTS.
- ALL IRRIGATION IS TO BE RAINBIRD OR EQUIVALENT. ANY ALTERNATE MANUFACTURERS MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
- IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN SENSOR FOR AUTOMATIC SHUT OFF. LOCATION SHALL BE APPROVED BY LANDSCAPE ARCHITECT

MULCHING NOTE

ALL LANDSCAPE BEDS TO BE MULCHED WITH PINESTRAW (4" MINIMUM).

GENERAL LANDSCAPE NOTES

- PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES & SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY & ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ACCURATE PLANT COUNTS PRIOR TO PRICING OF TREE, SHRUBS, PERENNIALS, ANNUALS, GROUND COVERS, SOD, SEED AND PINE STRAW. QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY. LANDSCAPE CONTRACTOR SHALL VERIFY PLANT COUNT FROM PLAN, AND SHALL PROVIDE AND INSTALL ALL PLANT MATERIAL SHOWN ON THE PLAN. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- ALL PLANT MATERIAL CHOSEN MUST BE FREE OF DISEASE AND PESTS, BE OF GOOD QUALITY AND WELL SHAPED AND BRANCHED.
- ALL TREES IN LAWN AREA TO HAVE A 4" DIAMETER MULCH BED.
- NO PLANTING BED EDGE SHALL BE CLOSER THAN 21" FROM THE BACK OF CURB OR SIDEWALK.
- PLANTING BED LINES, TREE, SHRUB, GROUND COVER, & SEASONAL COLOR PLACEMENT SHALL BE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE, PRIOR TO INSTALLATION.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE AT 2% MINIMUM IN ALL PLANTED AREAS.
- O, C = ON CENTER, & A, S = SPACE AS SHOWN.
- ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED & BURLAPPED (B&B) AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED & MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT & THE OWNER BEFORE, DURING & AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- ALL PLANTS & PLANTING AREAS MUST BE COMPLETELY MULCHED AND WATERED IMMEDIATELY AFTER PLANTING AS SPECIFIED.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING IRRIGATION SYSTEM PER A DESIGN/BUILD ARRANGEMENT AND FOR FULLY MAINTAINING ALL PLANTINGS (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT & THE OWNER.
- PINE STRAW BEDS ARE TO BE MULCHED WITH 4" OF PINE STRAW. ALL BEDS ARE TO BE MULCHED IMMEDIATELY AFTER PLANTING.
- THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS PER DIRECTION OF THE OWNER).
- THE OWNER AGREES TO PERFORM ALL LANDSCAPE MAINTENANCE (INCLUDING WATERING) THROUGHOUT THE ONE YEAR GUARANTEE PERIOD UNLESS OTHERWISE DETERMINED.
- THE LANDSCAPE ARCHITECT WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN 'AMERICAN STANDARDS' FOR NURSERY STOCK' REPRESENT GUIDELINE SPECIFICATIONS ONLY AND CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- NO TREES SHALL BE LOCATED LESS THAN 2' FROM THE BACK OF CURB.

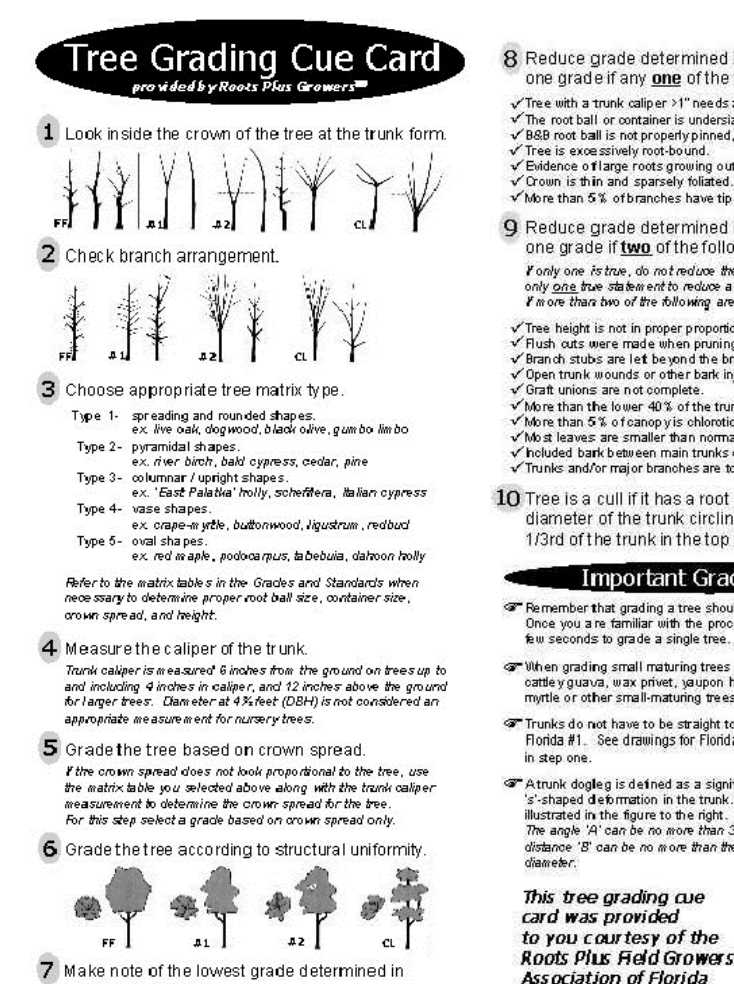
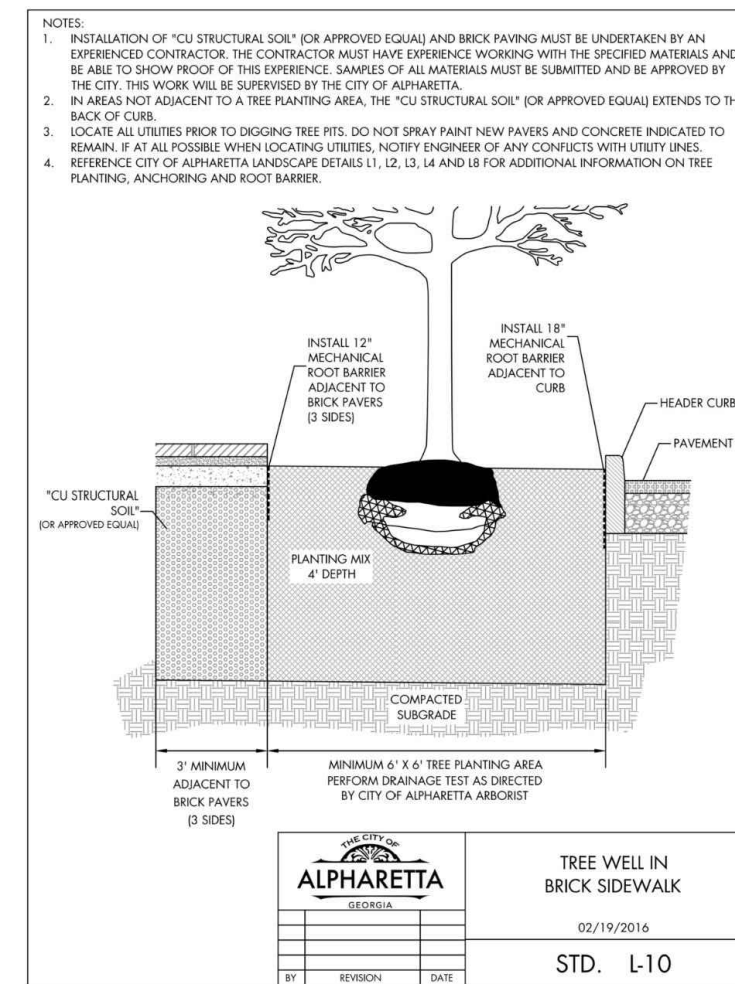
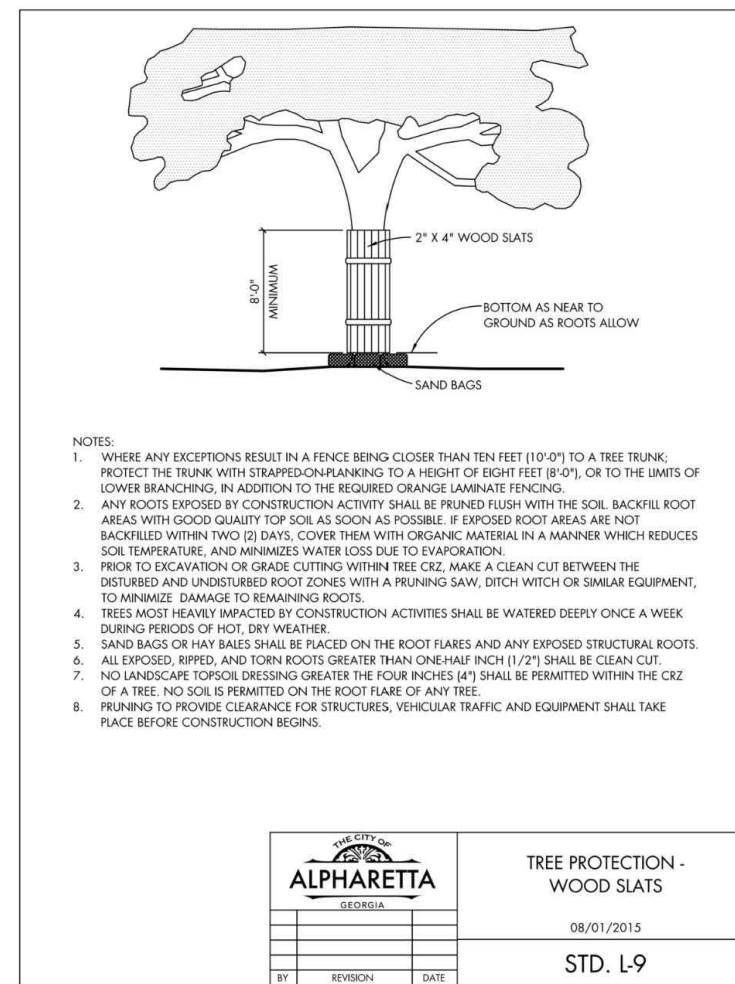
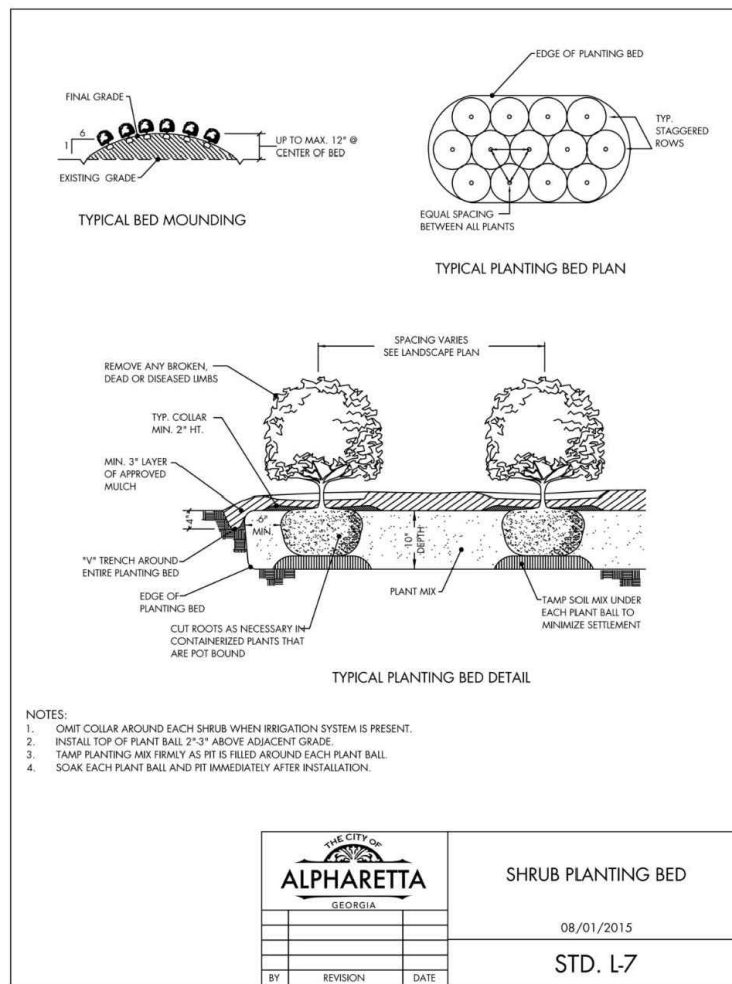
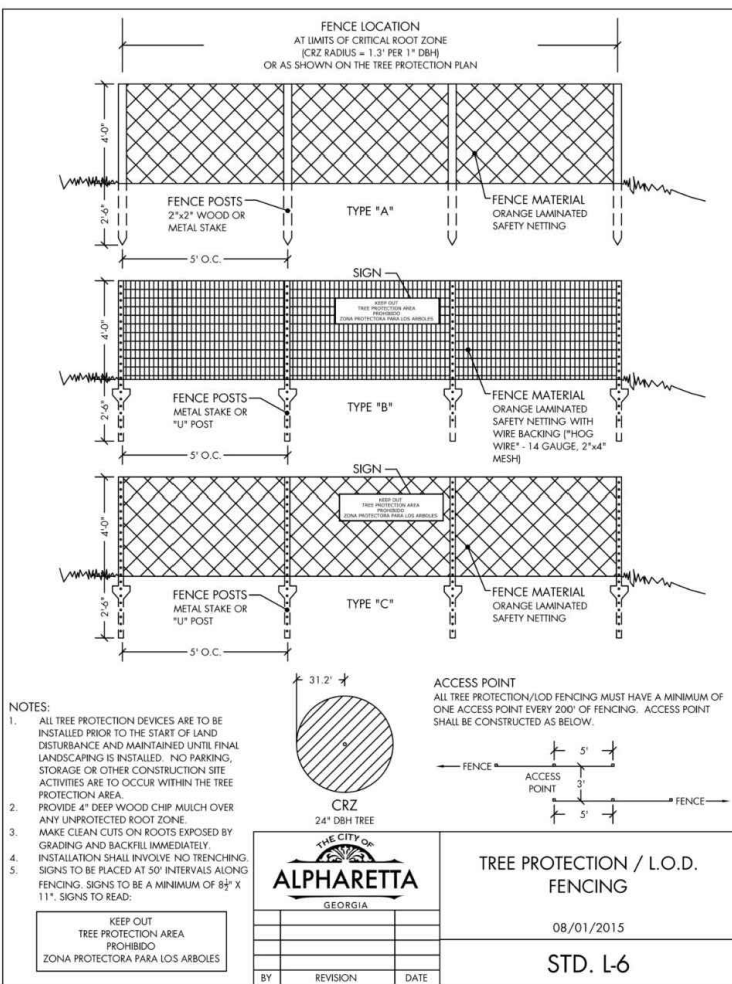
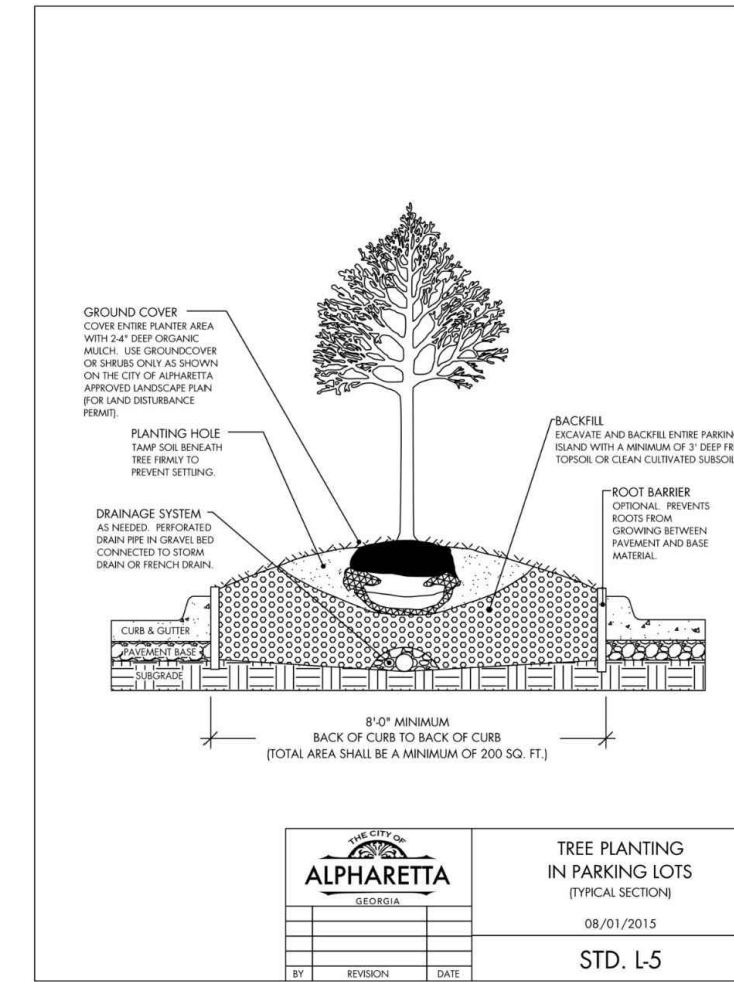
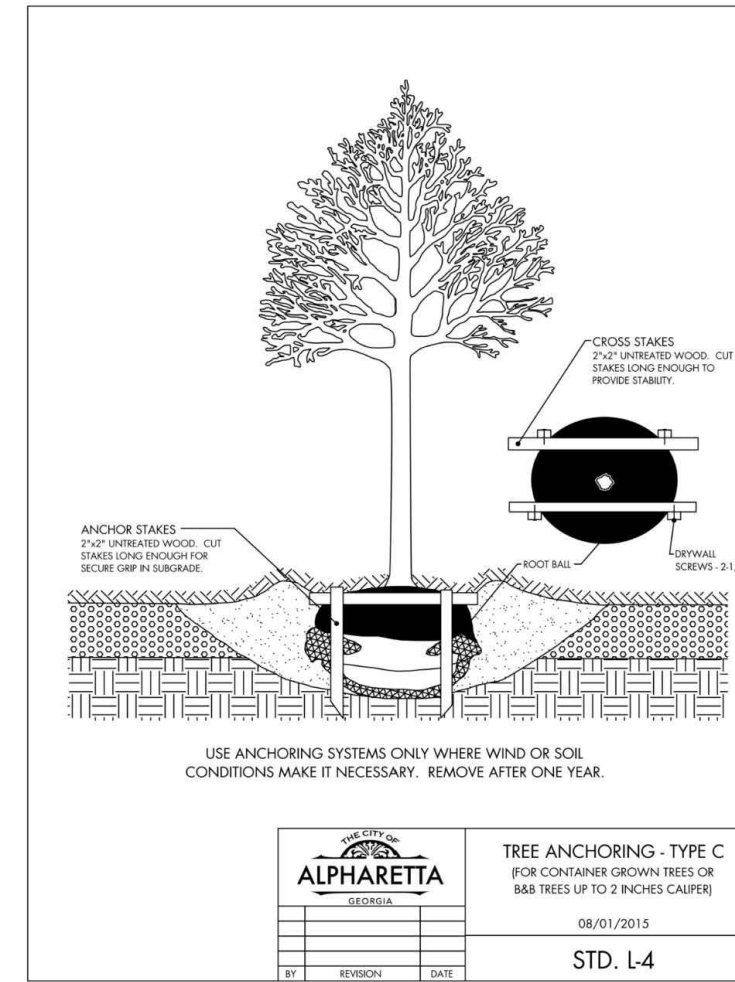
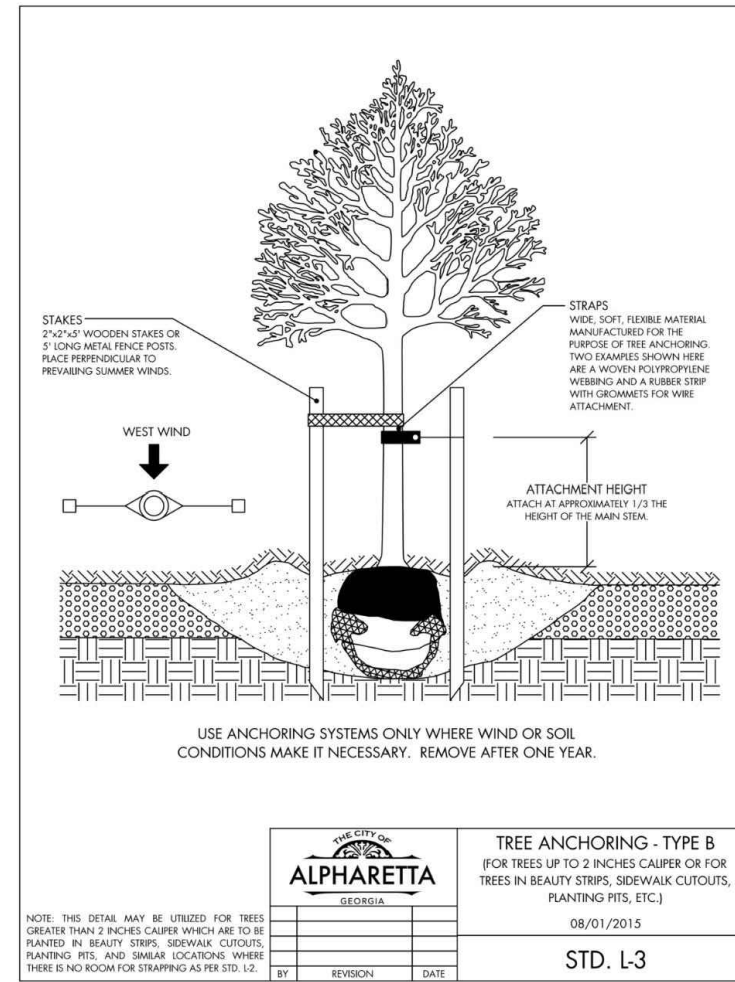
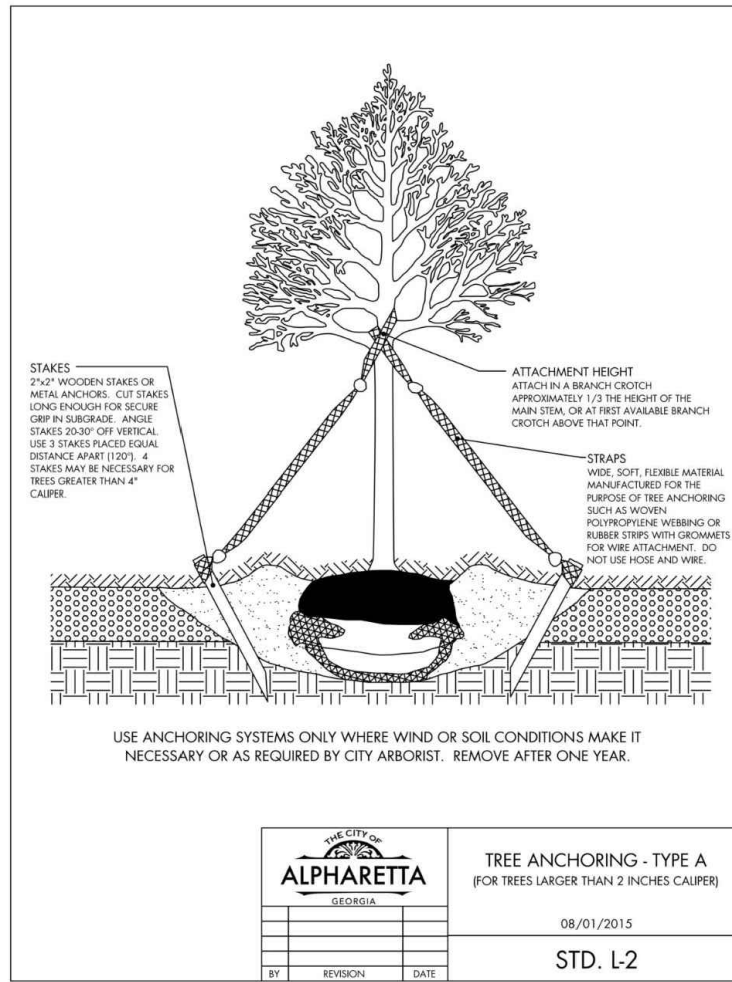
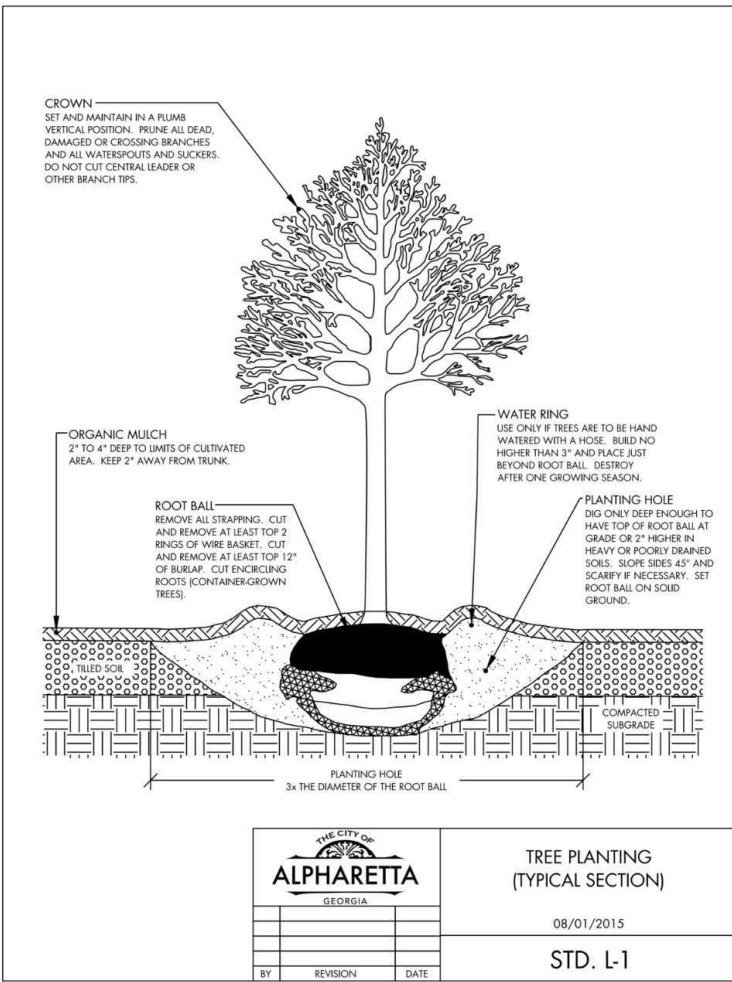
CITY OF ALPHARETTA WATER CONSERVATION PERMIT REQUIREMENTS:

STRATEGY 1 – WATER CONSERVATION BASICS

- PROVIDE RAIN SENSOR SHUT OFF SWITCHES ON NEW IRRIGATION SYSTEMS. PURSUANT TO O.C.G.A. 12-5-6, ALL NEW LANDSCAPE IRRIGATION SYSTEMS FOR BOTH RESIDENTIAL AND NONRESIDENTIAL PROPERTIES WILL REQUIRE RAIN SENSOR SHUT OFF SWITCHES. THIS REGULATION DOES NOT APPLY TO EITHER LANDSCAPE IRRIGATION SYSTEMS INSTALLED ON GOLF COURSES, OR ANY SYSTEM DEPENDENT UPON A NON-PUBLIC WATER SOURCE.
- SELECT VEGETATION AND SITE DESIGN COMPONENTS THAT ARE ADAPTED TO THE SITE'S CLIMATIC CONDITIONS.
- ACHIEVE MULTIPLE WATER USES SIMULTANEOUSLY. DESIGN INFILTRATION BASINS THAT ARE ATTRACTIVE AND PROVIDE HABITAT.
- MULCH PLANTING BEDS TO MINIMIZE EVAPORATION AND MAXIMIZE WATER RETENTION. MAINTAIN 3 INCH MINIMUM MULCH LAYER TO THE DRIPLINE OF TREES AND SHRUBS.
- PROTECT SOILS TO OPTIMIZE WATER RETENTION AND SUPPORT HEALTHY PLANTS. USE SOIL IMPROVEMENT TECHNIQUES TO BREAK COMPACTION AND INCREASE INFILTRATION RATES. PROTECT SOILS AND VEGETATION TO ENHANCE ABSORPTION, RETENTION, AND INFILTRATION OF PRECIPITATION.
- PROVIDE PROPER PLACEMENT OF PLANTS TO HELP KEEP URBAN ENVIRONMENTS COOLER, REDUCING NEEDS FOR AIR-CONDITIONING ELECTRICITY AND WATER USE ASSOCIATED WITH ELECTRICITY.
- PROVIDE ADEQUATE SPACE FOR VEGETATION GROWTH.
- GROUP PLANTS WITH SIMILAR WATER NEEDS TOGETHER TO MAXIMIZE IRRIGATION EFFICIENCY.
- DEVELOP SHORT AND LONG-TERM SUSTAINABLE MAINTENANCE PLANS.

STRATEGY 2 – USE WATER CONSERVATION PLANNING TECHNIQUES. (10% CREDIT ISSUED FOR COMBINED USE OF ALL OF FOLLOWING ITEMS:

- MAINTAIN LARGE AREAS OF EXISTING VEGETATION WHICH PROVIDE SHADE AND EVAPOTRANSPIRATION TO COOL BUILDINGS. PROTECT VEGETATION CANOPY AND FOREST LEAF LITTER. INSTALL MULTILAYERED PLANTING SCHEMES THAT REPLICATE NATURAL SITES WITH BOTH CANOPY AND VEGETATIVE GROUND COVER. LARGE AREAS MUST BE 10% GREATER THAN CODE REQUIREMENTS.
- LIMIT TURF AREAS. WHERE TURF IS DESIRED, SELECT DROUGHT-TOLERANT, LOW-NUTRIENT LAWN SPECIES THAT WILL REDUCE MAINTENANCE REQUIREMENTS.
- UTILIZE WATER-EFFICIENT IRRIGATION SYSTEMS THAT USE DRIP OR SUBSURFACE DELIVERY METHODS, TAILOR IRRIGATION TO WEATHER CONDITIONS, AND MEASURE SOIL MOISTURE.



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DATE	2-27-26
REVISIONS	ALPHARETTA COMMENTS
NO.	1

PROJECT NO.: 25-5238
CIVIL DRAWN BY: AJS
LANDSCAPE DRAWN BY: NGH / JPS
LANDSCAPE DESIGNED BY: NGH / JPS
CHECKED BY:
DATE: 10/05/2025

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