

SITE PLAN FOR POOL
THE MELNICK SPA PROJECT
1921 SADLER DRIVE SE
SMYRNA, GA 30080

LOCATED IN:
LOT: 25
STONECREST MANOR S/D
LAND LOTS: 673 & 696
DISTRICT: 17TH
SECTION: 2ND
COBB COUNTY, GEORGIA

CODE COMPLIANCE:

THE CURRENT MANDATORY CODES AS ADOPTED BY DCA

RESIDENTIAL BUILDING CODES: EFFECTIVE JANUARY 1, 2015
THE FOLLOWING WILL BE THE STATE OF GEORGIA'S
MINIMUM STANDARD CONSTRUCTION CODES:

INTERNATIONAL BUILDING CODE 2018 EDITION, WITH
GEORGIA AMENDMENTS (2020)

INTERNATIONAL RESIDENTIAL CODE 2018 EDITION, WITH
GEORGIA AMENDMENTS (2020)

INTERNATIONAL FIRE CODE 2018 EDITION, WITH GEORGIA
AMENDMENTS

INTERNATIONAL PLUMBING CODE 2018 EDITION, WITH
GEORGIA AMENDMENTS (2020)

INTERNATIONAL MECHANICAL CODE 2018 EDITION, WITH
GEORGIA AMENDMENTS (2020)

INTERNATIONAL FUEL GAS CODE 2018 EDITION, WITH
GEORGIA AMENDMENTS (2020)

INTERNATIONAL ELECTRICAL CODE 2020 EDITION, WITH
NO GEORGIA AMENDMENTS (1/1/2018)

INTERNATIONAL ENERGY CODE 2015 EDITION, WITH
GEORGIA SUPPLEMENTS & AMENDMENTS (2020)

2012 NFPA 101- LIFE SAFETY CODE WITH STATE
AMENDMENTS (2013)

INTERNATIONAL SWIMMING POOL & SPA CODE 2018 EDITION,
WITH GEORGIA AMENDMENTS (2020)

ISSUED FOR CONSTRUCTION - 04/24/2023

PROJECT TEAM

CONTRACTOR:
BELLAREED CONSTRUCTION & REMODELING
6040 NORTHBELT DRIVE, SUITE F
NORCROSS, GA 30071

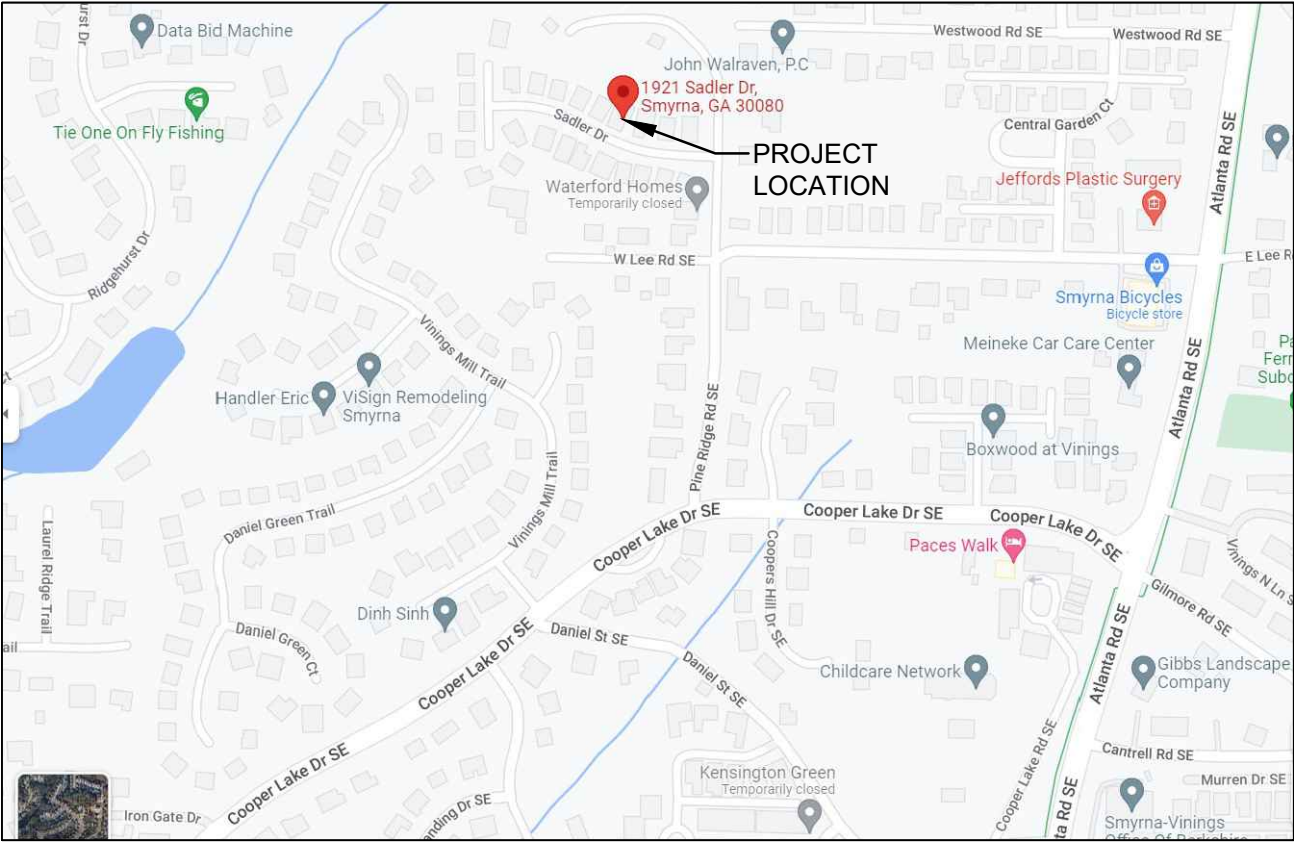
24 HOUR CONTACT:
BRETT FUSSELL
(770) 913-7886

OWNER OF RECORD:
LAURA & WAYNE MELNICK
1921 SADLER DRIVE SE
SMYRNA, GA 30080
(404) 754-2408

SCOPE OF WORK
12' X 12' POOL WITH
STEPS, BENCHES, 6' SQUARE RAISED SPA,
& PERMEABLE PAVER DECKING



72 HOURS OF NOTICE IS REQUIRED
TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE
ANY LAND DISTURBANCE ACTIVITIES CAN BEGIN.



LOCATION MAP

DRAWING INDEX:

SHEET	TITLE
C-1	COVER SHEET
C-2	EXISTING SITE CONDITIONS & DEMOLITION/TREE PLAN
C-3	SITE PLAN
C-4	EROSION CONTROL NOTES & SYMBOLS
C-5	EROSION CONTROL DETAILS
C-6	EROSION CONTROL DETAILS
C-7	DETAILS
C-8	DETAILS
S-1	SURVEY

REVISIONS		
△	DATE	DESCRIPTION
1	10-10-22	ADDITION OF PERMEABLE PAVERS
2	04-24-23	CHANGE IN SCOPE OF WORK

LEGEND



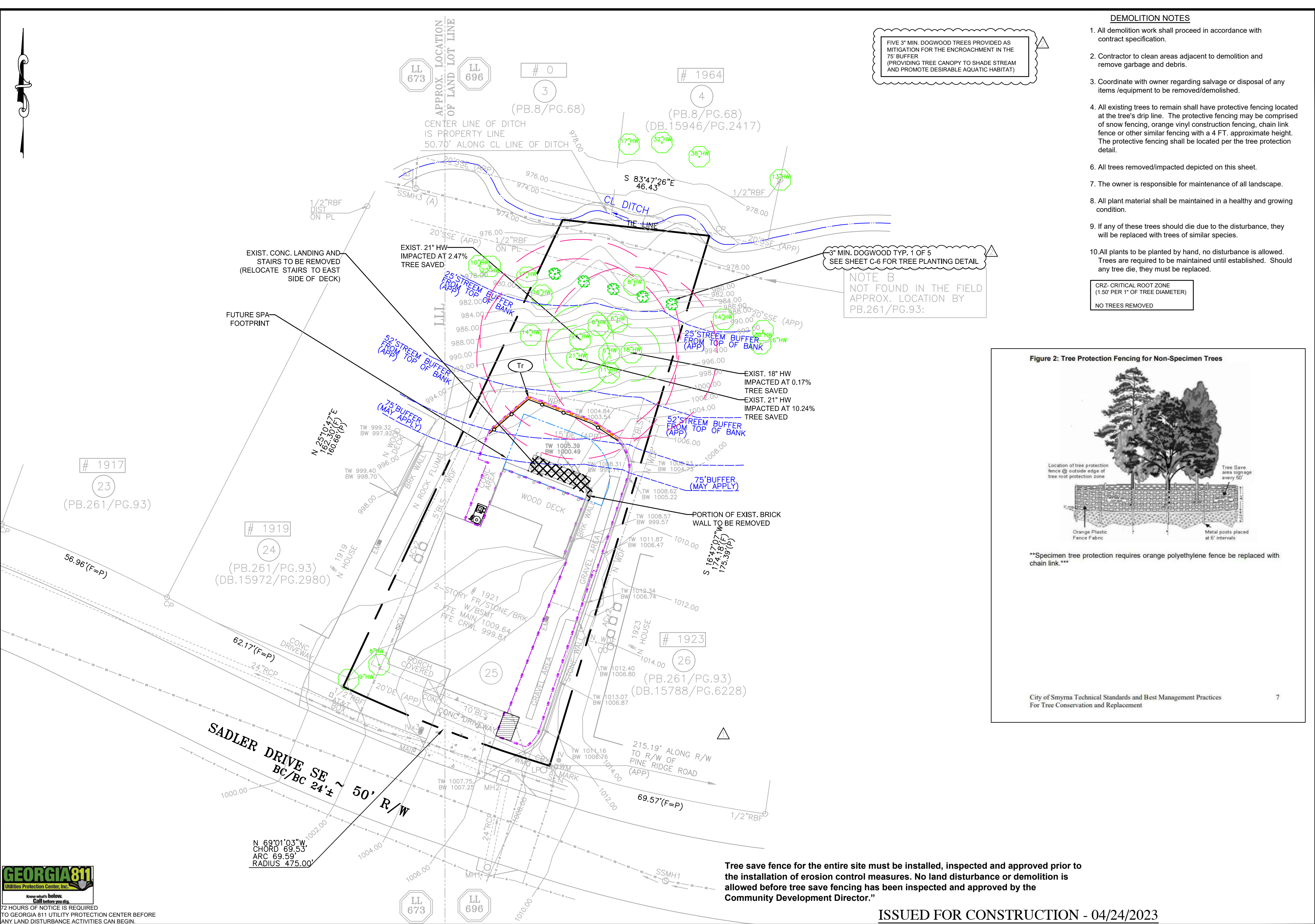
BELLAREED
LUXURY POOLS

6040 Northbelt Drive,
Suite F
Norcross, GA 30071
Tel: (678) 367-3307
www.bellareed.com

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE: 07/18/2022
SCALE: NONE

Laura & wayne Melnick 1921 Sadler Drive SE Smyrna GA 30080
COVER SHEET

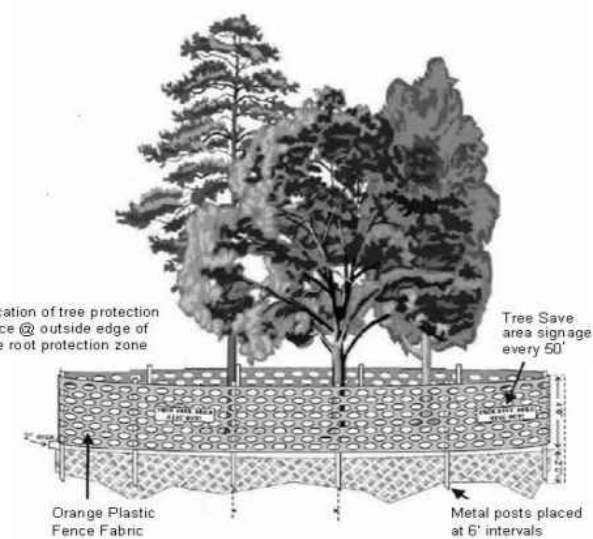
DRAWING NO.
C-1
SHEET 1 OF 9



- DEMOLITION NOTES**
1. All demolition work shall proceed in accordance with contract specification.
 2. Contractor to clean areas adjacent to demolition and remove garbage and debris.
 3. Coordinate with owner regarding salvage or disposal of any items /equipment to be removed/demolished.
 4. All existing trees to remain shall have protective fencing located at the tree's drip line. The protective fencing may be comprised of snow fencing, orange vinyl construction fencing, chain link fence or other similar fencing with a 4 FT. approximate height. The protective fencing shall be located per the tree protection detail.
 6. All trees removed/impacted depicted on this sheet.
 7. The owner is responsible for maintenance of all landscape.
 8. All plant material shall be maintained in a healthy and growing condition.
 9. If any of these trees should die due to the disturbance, they will be replaced with trees of similar species.
 10. All plants to be planted by hand, no disturbance is allowed. Trees are required to be maintained until established. Should any tree die, they must be replaced.

CRZ- CRITICAL ROOT ZONE
(1.50' PER 1" OF TREE DIAMETER)
NO TREES REMOVED

Figure 2: Tree Protection Fencing for Non-Specimen Trees



Specimen tree protection requires orange polyethylene fence be replaced with chain link.

City of Smyrna Technical Standards and Best Management Practices
For Tree Conservation and Replacement

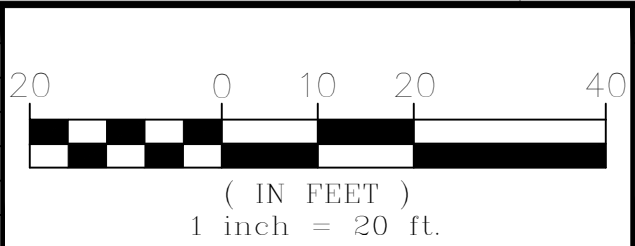
Tree save fence for the entire site must be installed, inspected and approved prior to the installation of erosion control measures. No land disturbance or demolition is allowed before tree save fencing has been inspected and approved by the Community Development Director."

ISSUED FOR CONSTRUCTION - 04/24/2023



72 HOURS OF NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE ANY LAND DISTURBANCE ACTIVITIES CAN BEGIN.

REVISIONS		
Δ	DATE	DESCRIPTION
1	10-21-22	REMOVAL OF 240 S.F. OF EXIST. CONC. DRIVEWAY
2	11-07-22	ADDED 5 TREES FOR MITIGATION PURPOSE



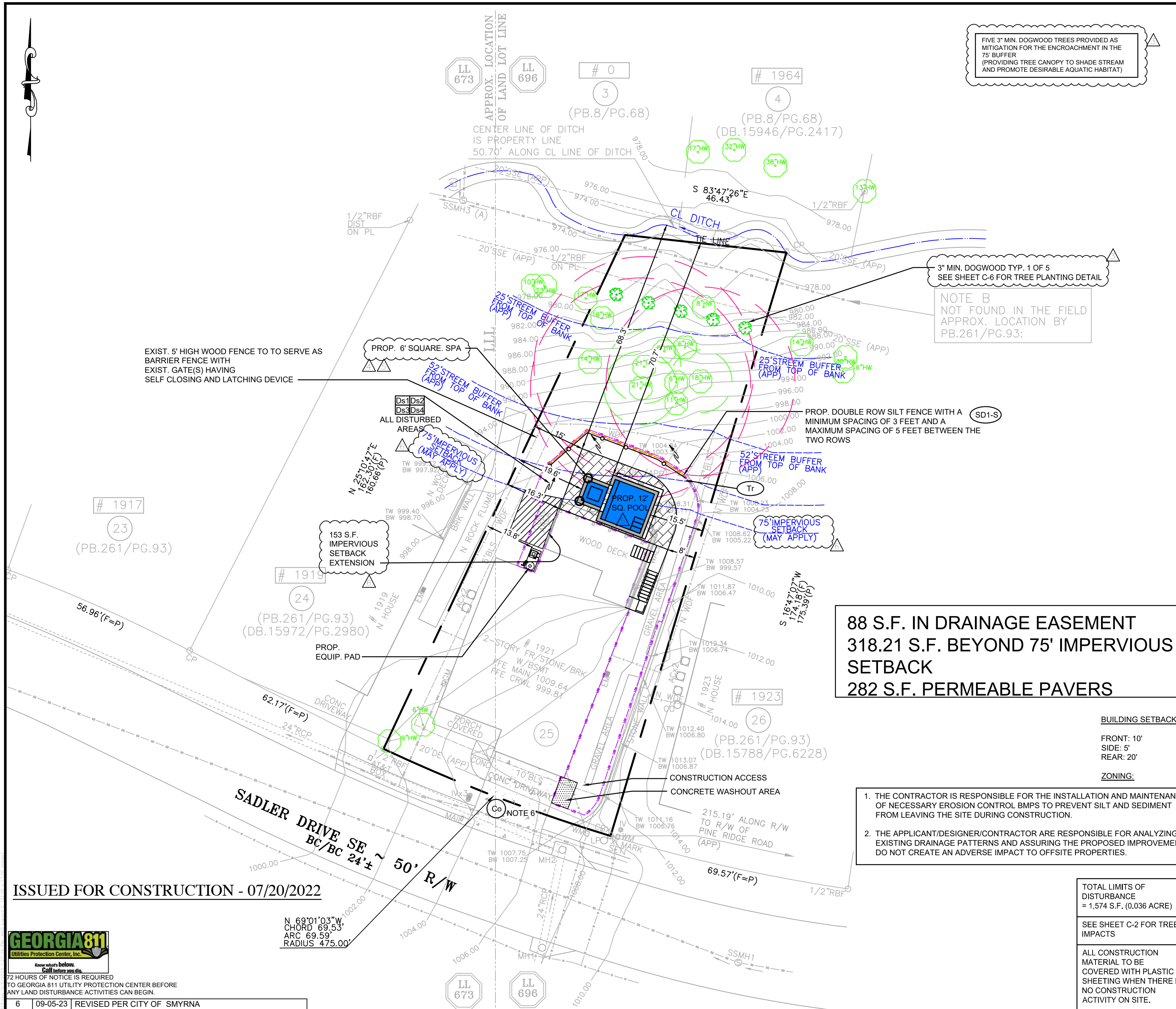
LEGEND	
—○—	SILT FENCE
-x-	EXISTING FENCE
- - -	CRITICAL ROOT ZONE
- - -	STRUCTURAL ROOT PLATE
- - -	LIMITS OF DISTURBANCE
- - -	TPF
○	EXIST. TREE
○	NEW TREE



DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE: 07/18/2022
SCALE: 1" = 20'

Laura & Wayne Melnick 1921 Sadler Drive S.E. Smyrna GA 30080
EXISTING SITE CONDITIONS & DEMOLITION/TREE PLAN

DRAWING NO.
C-2
SHEET 2 OF 9



- GENERAL NOTES**
- Gates not intended for pedestrian use shall be locked when the Pool is not in use.
 - For all cases where a building footprint penetrates through a Pool Fence perimeter, all doors and operable windows with a sill height lower than 48" on the building(s) which have direct access to the Pool area must be equipped with an alarm which produces an audible warning when the door or its screen or window is opened.
The alarms must comply with UL2017.
 - The escape of sediment from the Site shall be prevented by the installation of Erosion and Sediment Control measures and practices prior to land disturbing activities.
 - Erosion and Sediment Control measures shall be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional Erosion and Sediment Control measures shall be implemented to control or treat the sediment source.
 - Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.
 - The existing driveway may be used as a Construction Exit provided that all construction vehicles are confined to existing paved areas on Site. Any tracking of Dirt, Silt, Mud, etc. onto the street will result in an immediate 'Stop Work' Order. The 'Stop Work' Order will not be lifted until a Construction Exit is constructed in accordance with the current Detail."
 - All continuous fence footers/stringers located in tree's critical root zones will be built at or above existing grade. The only impact to the earth will be to dig posts.
 - No filter discharge point required and or provided.
 - Additional erosion control devices may be required based on the existing site conditions if deemed necessary by the on-site inspector.
 - No proposed water or sanitary sewer connections required for this contract, none shown.
 - Disturbed area due to pool construction will be graded to match existing slope down to existing elevation. Where the existing runoff leaves the site in a sheet flow condition, Runoff shall also leave the site in a sheet flow condition after development.
 - The subject property is within 200' of waters of the State requiring State and City stream buffers.
 - Project site is located within a Master Development Plan - subdivision.
 - No trenching through Critical Root Zone. Hand-dig where silt fence (SD) crosses the Critical Root Zone of any tree. Root prune as needed according to ISA/ANSI professional standards.
 - No material or equipment to be within the critical root zone.
 - Landscaping to remain the same.
 - No outdoor lighting proposed.

**88 S.F. IN DRAINAGE EASEMENT
318.21 S.F. BEYOND 75' IMPERVIOUS
SETBACK
282 S.F. PERMEABLE PAVERS**

BUILDING SETBACKS:

FRONT: 10'
SIDE: 5'
REAR: 20'

ZONING:

- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF NECESSARY EROSION CONTROL BMPs TO PREVENT SILT AND SEDIMENT FROM LEAVING THE SITE DURING CONSTRUCTION.
- THE APPLICANT/DESIGNER/CONTRACTOR ARE RESPONSIBLE FOR ANALYZING EXISTING DRAINAGE PATTERNS AND ASSURING THE PROPOSED IMPROVEMENTS DO NOT CREATE AN ADVERSE IMPACT TO OFFSITE PROPERTIES.

TOTAL LIMITS OF DISTURBANCE = 1,574 S.F. (0.036 ACRE)
SEE SHEET C-2 FOR TREE IMPACTS
ALL CONSTRUCTION MATERIAL TO BE COVERED WITH PLASTIC SHEETING WHEN THERE IS NO CONSTRUCTION ACTIVITY ON SITE.

IMPERVIOUS AREA

EXIST. HOUSE	2,126	S.F.
EXIST. DRIVEWAY	239	S.F.
EXIST. COV. PORCH	100	S.F.
EXIST. CONC.	36	S.F.
EXIST. WOOD DECK	490	S.F.
EXIST. A/C PADS	10	S.F.
EXIST. GRAVEL AREA	169	S.F.
EXIST. STONE WALL	97	S.F.
PROP. POOL	144	S.F.
PROP. EQUIP PAD	24	S.F.
TOTAL:	3,435	S.F.
LOT AREA:	9,793.96	S.F.
PERCENTAGE IMPERVIOUS:	35.07%	

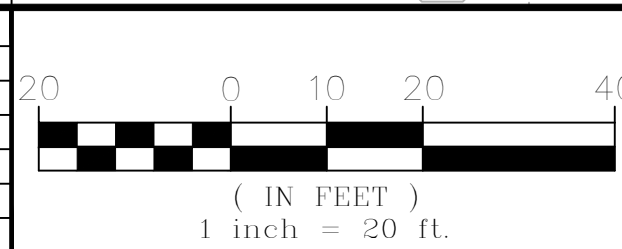
ISSUED FOR CONSTRUCTION - 07/20/2022












72 HOURS OF NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE ANY LAND DISTURBANCE ACTIVITIES CAN BEGIN.

6	09-05-23	REVISED PER CITY OF SMYRNA
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REVISIONS		
Δ	DATE	DESCRIPTION
1	10-10-22	ADDITION OF PERMEABLE PAVERS
2	10-21-22	ADDITION OF PERMEABLE PAVER DRIVEWAY
3	11-07-22	ADDED 5 TREES FOR MITIGATION PURPOSE
4	04-24-23	REMOVED POOL AND DECK, PROP. 6' SQ. SPA
5	08-16-23	12' SQ. POOL WITH 6' SQ. SPA, PERMEABLE PAVER DECK



LEGEND			
	SILT FENCE		EXIST. TREE
	EXISTING FENCE		
	CRITICAL ROOT ZONE		
	STRUCTURAL ROOT PLATE		
	LIMITS OF DISTURBANCE		DRAINAGE FLOW
	TREE PROTECTION FENCE		NEW TREE



DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE: 07/18/2022
SCALE: 1" = 20'

Laura & Wayne Melnick 1921 Sadler Drive S.E. Smyrna GA 30080	DRAWING NO. C-3 SHEET 3 OF 9
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EROSION CONTROL NOTES

- The construction pad shall be maintained in a condition that will prevent tracking or flow of mud onto public streets.
- Silt fences and hay bale barriers shall be cleaned or replaced and maintained in functional condition until permanent erosion control measures are established. All silt fences and other temporary measures will be removed by the contractor /developer when the site is stable.
- Silt fence fabric shall be comprised GA. Department of Transportation qualified products section 171, type "c" for silt fence fabric. Type "a" silt fence fabric and construction may be allowed with prior written approval from the land development inspector.
- All grassing shall be in accordance with Chapter 6, Section III, "vegetative practices" of the Manual for Erosion and Sediment Control in Georgia.
- All other work shall be performed in accordance with the specifications of this same manual.
- The contractor shall furnish the City a schedule of anticipated starting and completion dates for each sequence of land disturbing activity listed items one through five above.
- Erosion control devices will be in place before site disturbance and will be periodically inspected and repaired or restored as needed to function properly until permanent measures are established and project is complete, i.e. construction exists and silt fence shall be re-topped or cleaned as silt reduces their effectiveness.
- Any additional construction other than shown on the plans will require additional erosion and sediment control measures and prior approval from the City.
- Temporary vegetation and/or heavy mulch will be used to stabilize areas. In no case shall a site be left bare for more than fourteen (14) days.
- All disturbed areas will be permanently landscaped and grassed as quickly as possible.
- Additional measures may be required to control erosion as determined necessary by city inspectors.
- Erosion control blankets shall be used on all slopes exceeding 2.5:1.
- All applications of hydroseed will be followed by $\frac{3}{4}$ " to 1" mulch.
- Sites over 1 acre must prepare multi-stage erosion control plan.
- No clearing beyond the limits of disturbance shown on the approved plans shall be allowed without approval.
- No land disturbing activity within any tree save area shall be allowed.
- Polymers must be used appropriately on all disturbed areas including proposed parking lots to control turbidity.
- The property owner and contractor are equally responsible for all erosion control activities.
- Notice is hereby given that all erosion and sediment devices and practices must be installed and maintained at all times. No further notice will be given. Any site upon which the land development inspector finds any deficiency will be subject to an immediate enforcement action without warning.
- Erosion and sediment control devices must be maintained in a satisfactory condition at all times.
- All best management practices shall be judged not on appearances but performance only.
- It is the responsibility of the contractor to obtain qualified professional advice when questions arise concerning design and effectiveness of erosion control devices.
- Amendments or revisions to the E&S plan which have a significant effect on bmp's with a hydraulic component must be certified by the design professional.
- Erosion control devices that are installed as directed by the land development inspector but not shown on the approved plan and which also subsequently fail, are the responsibility of the contractor.
- All temporary and permanent seeding must be performed at the appropriate season. Additional plantings will be necessary if a sufficient stand of grass fails to grow.
- The land development inspector will determine adequate cover of new plantings.
- Topsoil shall be stockpiled and used to dress final grades.
- No disturbance will be allowed within flood plains or wetlands without proper authorization.
- Erosion control measures will be maintained at all times. Additional erosion and sediment control measures will be necessary if deemed by on-site inspection.
- Silt fencing must be mirafi 100x fabric, or equivalent substitute. Mirafi 100x specifications: minimum width of 36", mullen burst strength of 200 psi, trapezoid tear strength of 65 lbs., equivalent opening size of #40 U.S. Standard sieve and grab strength of 120 lbs.
- Silt fences shall not be placed in stream buffer or flood plains.
- When silt fences become $\frac{3}{4}$ full of sediment, the sediment must be removed.
- The contractor shall furnish weekly reports to the city, which indicates the date, person responsible, and notation of all deficiencies and corrections made to all erosion and sediment control devices.
- Erosion control measures will be maintained at all times, if full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.
- The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities.
- Before commencing any land disturbing activity subject to NPDES, the contractor must provide a copy of the Notice of Intent (NOI) sent to EDP and show evidence that the NPDES fees have been paid.
- All persons engaged in land disturbance activities must be certified at the appropriate GSWCC level and must provide evidence of such to the land development Inspector if asked. Where one or more land disturbing activities are occurring on a site at the same time, each must have the appropriate certification. Those that do not must stop work immediately.
- A copy of the approved erosion control plan, NOI, permit and inspection reports must be kept on site at all times.
- It is the primary permittee's responsibility to instruct all other permittees's along with their sub-contractors as to their responsibilities under NPDES.
- The design professional who prepared this E&S plan must inspect the installation of BMP's within 7 days after the initial construction begins. This report shall be kept on site and submitted to the city.
- Non-exempt activities shall not be conducted within the 25 or 50 foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.
- Waste materials shall not be discharged into waters of the state, except as authorized by a section 404 permit.
- Any amendments and revisions to the erosion, sediment and pollution control plan which have significant effect on BMP's with hydraulic component must be certified by the design professional.
- All construction work and materials on this site, shall conform to the minimum standards and specifications of the Georgia Department of Transportation, latest editions.

PROJECT DURATION ESC NOTES

- Burial of construction debris is not permitted onsite.
- A copy of the approved land disturbance plan and permit shall be present on site at all times. Post on day one.
- Any disturbed area left exposed for a period of greater than 7 days shall be stabilized with mulch or temporary seeding.
- All disturbed areas left mulched after 30 days shall be stabilized with temporary grassing.
- Contractor shall inspect control measures at the end of each working day to ensure measures are functioning properly.
- Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source as directed by the onsite inspector or design professional.
- Failure to install, operate, or maintain all erosion control measures will result in all construction being stopped on the job until such measures are corrected back to the approved erosion control plans.
- The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities.

GEORGIA
UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets
Cr	CONSTRUCTION ROAD STABILIZATION			A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES


CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRIAN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or stalked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

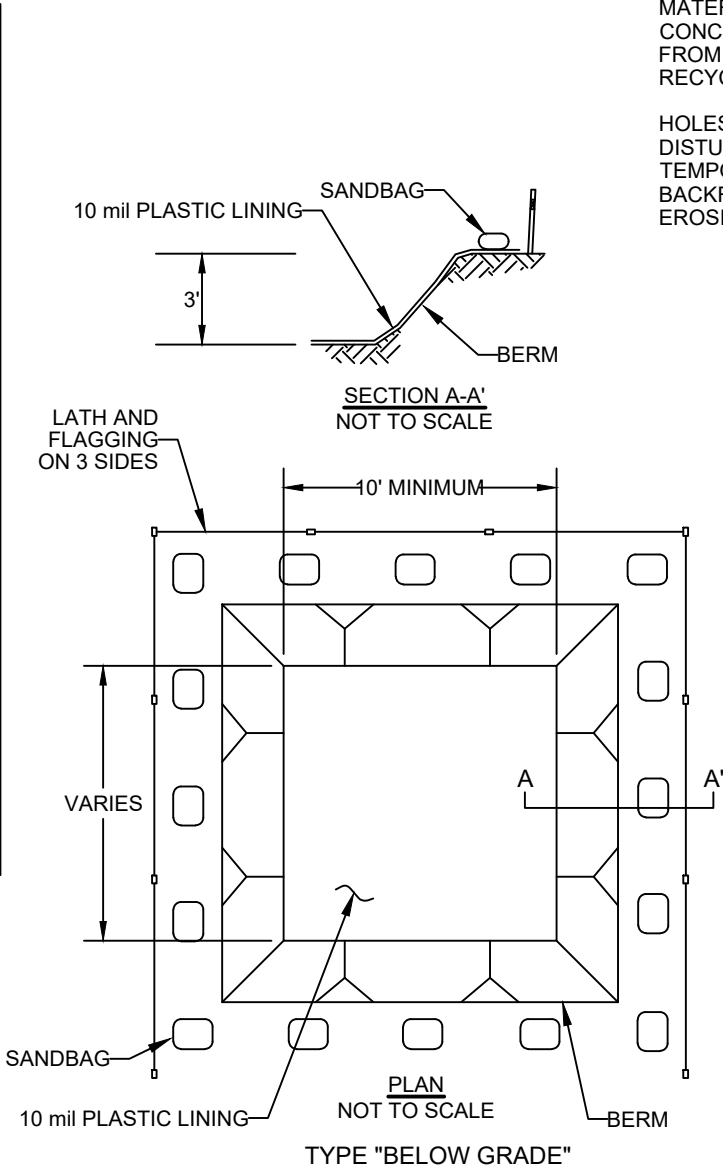
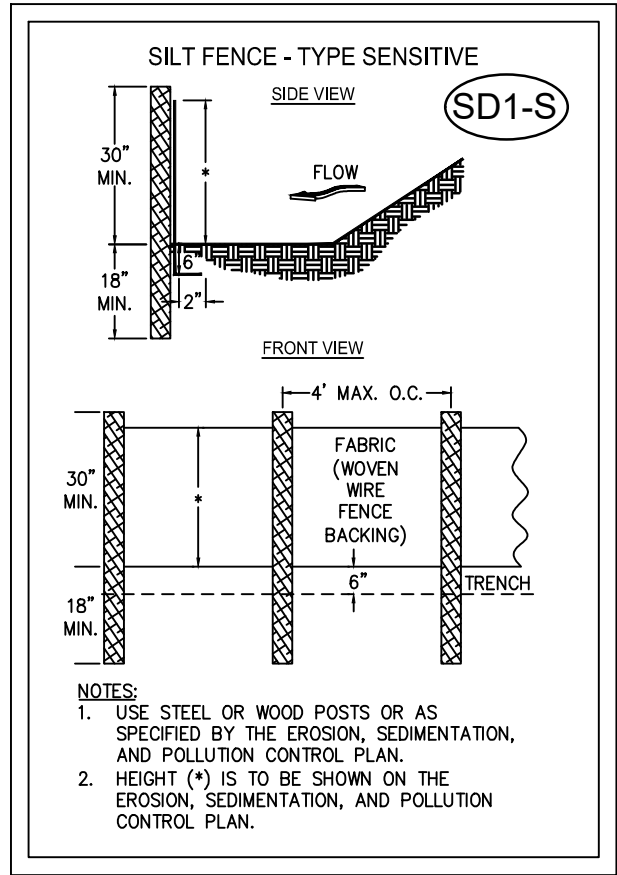
GaSWCC (Amended - 2013)

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the re-establishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce and erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)			A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM. VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small stream bank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS			Substance used to anchor straw or hay mulch by causing the organic material to bind together.

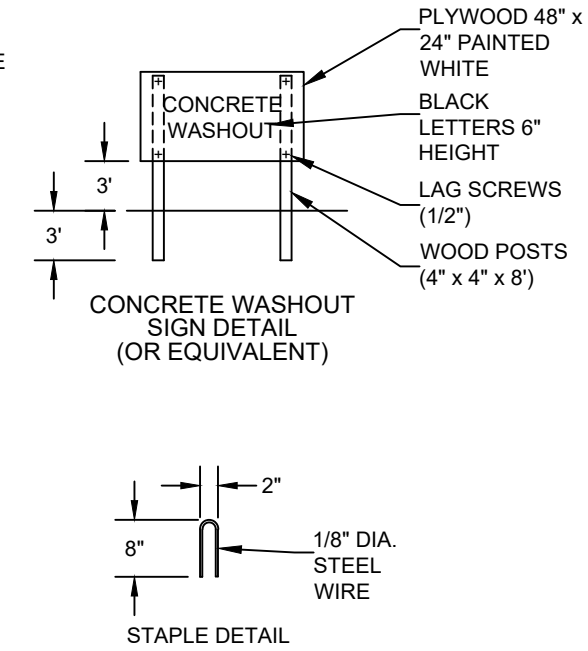
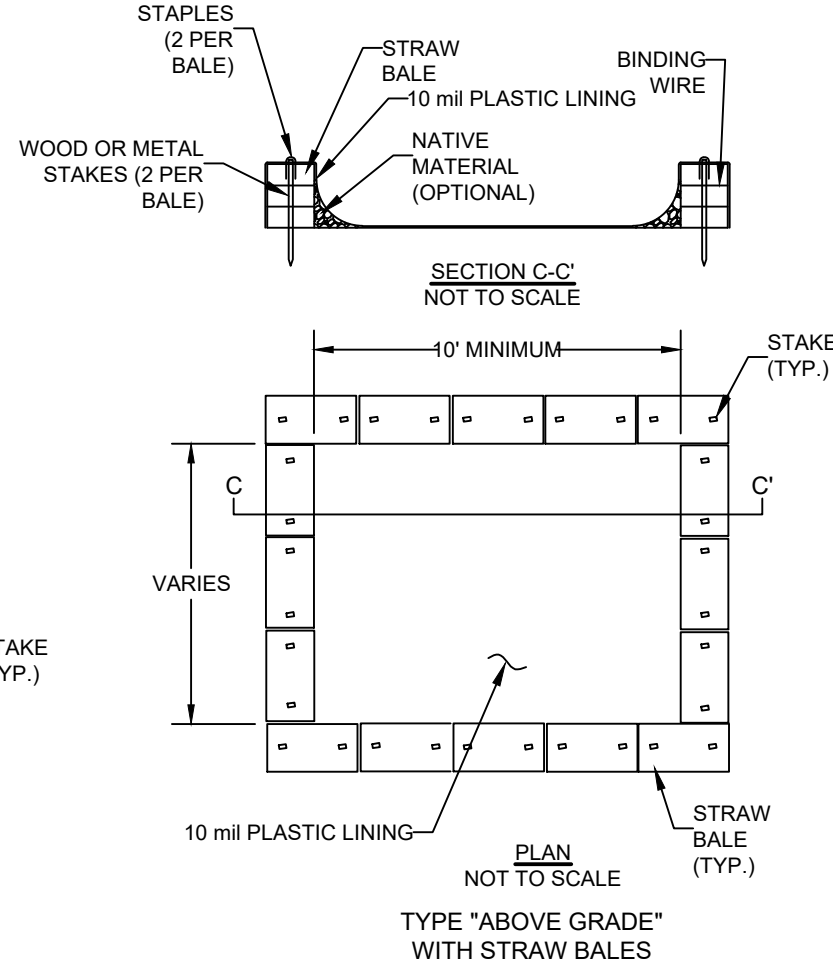
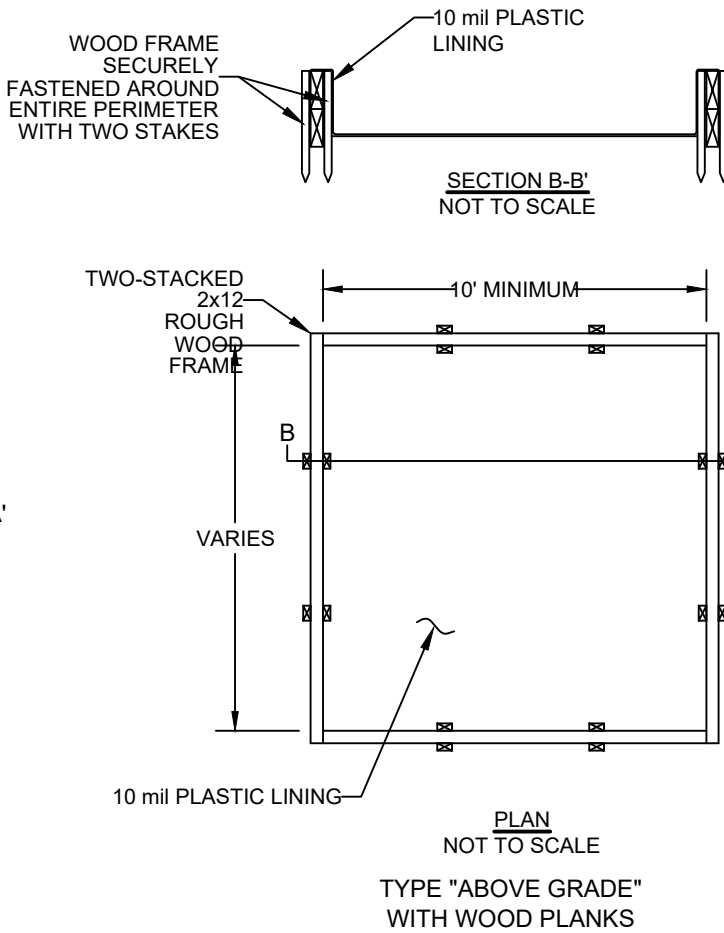
ISSUED FOR CONSTRUCTION - 04/24/2023

REVISIONS					LEGEND	<div><div>BELLAREED LUXURY POOLS</div><div>6040 Northbelt Drive, Suite F Norcross, GA 30071 Tel: (678) 367-3307 www.bellareed.com</div></div>	DESIGNED BY:		Laura & Wayne Melnick 1921 Sadler Drive S.E. Smyrna GA 30080	DRAWING NO. C-4
△	DATE	DESCRIPTION					DRAWN BY:			
							CHECKED BY:			
							APPROVED BY:			
							DATE: 07/18/2022			
							SCALE: NONE			
							EROSION CONTROL NOTES & SYMBOLS			
								SHEET 4 OF 9		



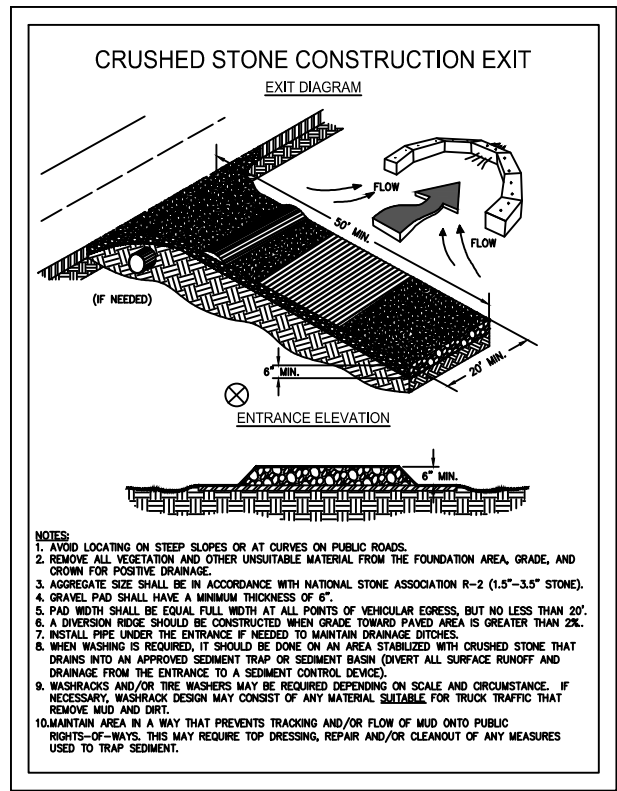
MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.

HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.



CONCRETE WASHOUT

ISSUED FOR CONSTRUCTION - 04/24/2023



DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

CONDITIONS

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover or greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed.

SPECIFICATIONS

MULCHING WITHOUT SEEDING

This standard applies to grades or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

- Grade to permit the use of equipment for applying and anchoring mulch.
- Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
- Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

- Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

- Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
 - Cutback asphalt (slow curing) shall be applied at 1200 gallons per acre (or 1/4 gallon per sq.yd.).
 - Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and reused.
- Applying Mulch**
- When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.
- Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
 - If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
 - Cutback asphalt shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of 'tracking in' or damage to shoes, clothing, etc.
 - Apply polyethylene film on exposed areas.

Anchoring Mulch

- Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application. Straw or hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AE-5 or SS-1). The asphalt emulsion shall be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifiers and binders can be substituted for emulsified asphalt. Please refer to specification Tb -Tackifiers and Binders. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
- Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
- Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

DEFINITION

The establishment of temporary vegetative cover with fast growing seedlings for seasonal protection on disturbed or denuded areas.

CONDITIONS

Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE Per 1,000 sq.ft.	RATE Per Acre *	PLANTING DATES **
Rye	3.9 pounds	3 bu.	9/1-3/1
Ryegrass	0.9 pound	40 lbs.	8/15-4/1
Annual Lespedeza	0.9 pound	40 lbs.	1/15-3/15
Weeping Lovegrass	0.1 pound	4 lbs.	2/15-6/15
Sudangrass	1.4 pounds	60 lbs.	3/1-8/1
Browntop Millet	0.9 pound	40 lbs.	4/1-7/15
Wheat	4.1 pounds	3 bu.	9/15-2/1

* Unusual site conditions may require heavier seeding rates
 ** Seeding dates may need to be altered to fit temperature variations and conditions.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or handseeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to determine if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer or the equivalent per acre (12-16 lbs./1,000 sq. ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch. Mulch without seeding should be considered for short term protection. Refer to Ds1 - Disturbed Area Stabilization (With Mulching Only).

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

REVISIONS	
DATE	DESCRIPTION

LEGEND	

B BELLAREED LUXURY POOLS
6040 Northbelt Drive, Suite F Norcross, GA 30071 Tel: (678) 367-3307 www.bellareed.com

DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
DATE: 07/18/2022	
SCALE: NONE	

Laura & Wayne Melnick 1921 Sadler Drive S.E. Smyrna GA 30080
EROSION CONTROL DETAILS

DRAWING NO.
C-5
SHEET 5 OF 9

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. TEMPORARY METHODS

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard Tb-Tackifiers and Binders. Resins such as Curasol or Terratack should be used according to manufacturer's recommendations.

Vegetative Cover. See standard Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to standard Tb-Tackifiers and Binders.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snow fences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. PERMANENT METHODS

Permanent Vegetation. See standard Ds3 -Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable

DUST CONTROL ON
DISTURBED AREAS
REVISIONS

DEFINITION

A permanent vegetation using sods on highly erodible or critically eroded lands.

CONDITIONS

This application is appropriate for areas which require immediate vegetative covers, drop inlets, grass swales, and waterways with intermittent flow .

CONSTRUCTION SPECIFICATIONS INSTALLATION

Soil Preparation

- Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.
- Topsoil properly applied will help guarantee stand. Don't use topsoil recently treated with herbicides or soil sterilants.
- Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6-6.1. For fall planting of warm season species, half the fertilizer should be applied at planting and the other half in the spring.

Table 6-6.1. Fertilizer Requirements for Soil Surface Application

Fertilizer Type (lbs./acre)	Fertilizer Rate (lbs./acre)	Fertilizer Rate	Season
10-10-10	1000	.025	Fall

- Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation

- Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod.
- On slopes steeper than 3:1, sod should be anchored with wooden or biodegradable pins or other approved methods.
- Installed sod should be rolled or tamped to provide good contact between sod and soil.
- Irrigate sod and soil to a depth of 4" immediately after installation.
- Sod should not be cut or spread in extremely wet or dry weather.
- Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

Ds4
DISTURBED AREA STABILIZATION
(WITH SODDING)

MATERIALS

- Sod selected should be certified. Sod grown in the general area of the project is desirable.
- Sod should be machine cut and contain 3/4" ±1/4" of soil, not including shoots or thatch.
- Sod should be cut to the desired size within ±5%. Torn or uneven pads should be rejected.
- Sod should be cut and installed within 36 hours of digging.
- Avoid planting when subject to frost heave or hot weather if irrigation is not available.
- The sod type should be shown on the plans or installed according to Table 6-6.2. See Figure 6-4.1 for your Resource Area.

Table 6-6.2. Sod Planting Requirements

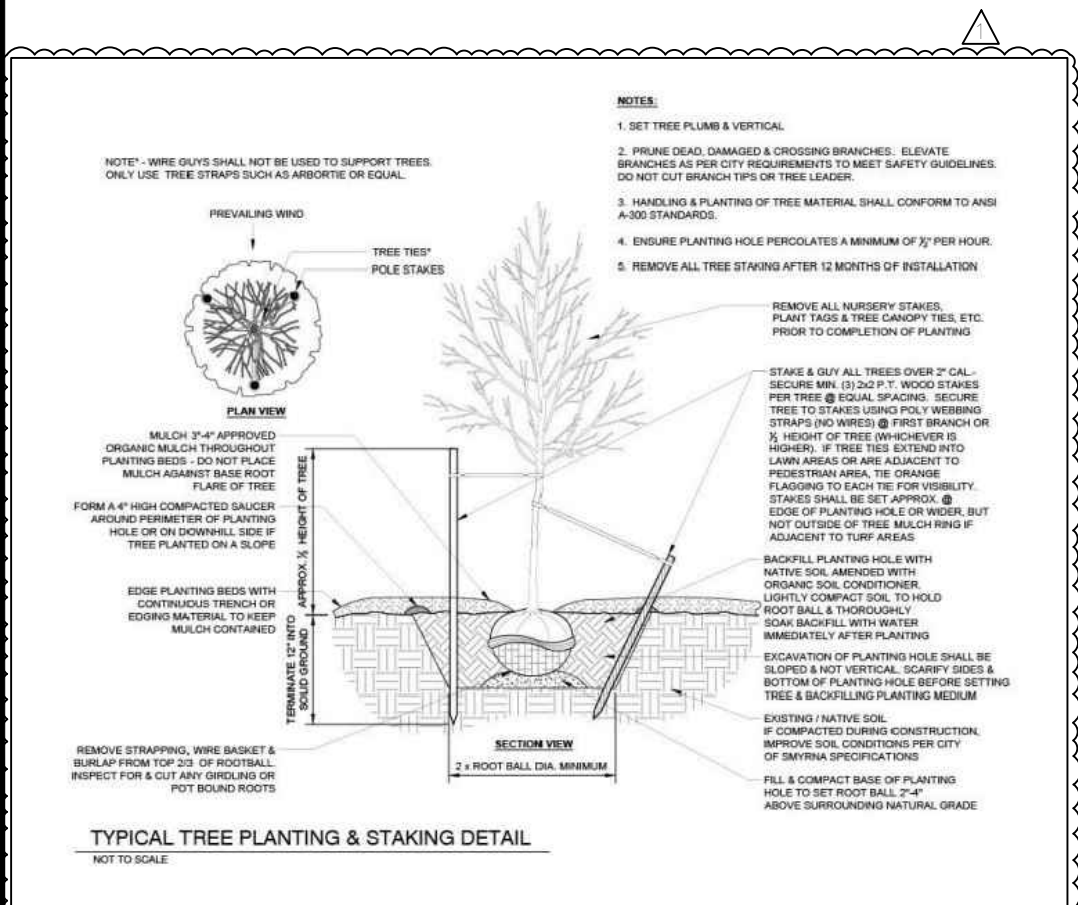
Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P,C P,C P,C P,C	Warm Weather
Bahiagrass	Pensacola	P,C	Warm Weather
Centipede	-	P,C	Warm Weather
St. Augustine	Common Bitterblue Raleigh	C	Warm Weather
Zoysia	Emerald Myer	P,C	Warm Weather
Tall Fescue	Kentucky	M-L,P	Cool Weather

MAINTENANCE

- Re-sod areas where an adequate stand of sod is not obtained.
- New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified.
- Apply one ton of agricultural lime as indicated by soil test or every 4-6 years.
- Fertilize grasses in accordance with soil tests or Table 6-6.3.

Table 6-6.3. Fertilizer Requirements for Sod

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
Cool Season Grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	-
	Maintenance	10-10-10	400	30
Warm Season Grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30



DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization..

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

SPECIFICATIONS

Grading and Shaping

Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.

oncentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used. When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast plantings

1. Tillage at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.
2. Tillage may be done with any suitable equipment.
3. Tillage should be done on the contour where feasible.

Ds3
DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

4. On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
2. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
3. Where pine seedlings are to be planted, subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Planting

Hydraulic Seeding

Mix the seed (innoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Conventional Seeding

Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cultipacker seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.

No-Till Seeding

No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants

Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots. Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface. Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulching

Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% soil cover. Select the mulching material from the following and apply as indicated:

1. Dry straw or dry hay of good quality and free of weed seeds can be used. Dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre.
2. Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Drystraw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
3. One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.
4. Sericea lespedeza hay containing mature seed shall be applied at a rate of three tons per acre.
5. Pine straw or pine bark shall be applied at a thickness of 3 inches for bedding purposes. Other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is not appropriate for seeded areas.
6. When using temporary erosion control blankets or block sod, mulch is not required.
7. Bituminous treated roving may be applied on planted areas on slopes, in ditches or dry waterways to prevent erosion. Bituminous treated roving shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when agitated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

Applying Mulch

Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting. The mulch may be spread by blower-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil surface.

Wood cellulose or wood fiber mulch shall be applied uniformly with hydraulic seeding equipment.

Anchoring Mulch

Anchor straw or hay mulch immediately after application by one of the following methods:
1. Emulsified asphalt can be (a) sprayed uniformly onto the mulch as it is ejected from the blower machine or (b) sprayed on the mulch immediately following mulch application when straw or hay is spread by methods other than special blower equipment.

The combination of asphalt emulsion and water shall consist of a homogeneous mixture satisfactory for spraying. The mixture shall consist of 100 gallons of grade SS-1h or CSS-1h emulsified asphalt and 100 gallons of water per ton of mulch. Care shall be taken at all times to protect state waters, the public, adjacent property, pavements, curbs, sidewalks, and all other structures from asphalt discoloration.
2. Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
3. Synthetic tackifiers or binders approved by GDOT shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. Refer to Tb - Tackifiers and Binders.
4. Rye or wheat can be included with Fall and Winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one half bushel per acre.
5. Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.

Irrigation

Irrigation shall be applied at a rate that will not cause runoff.

SEEDING RATES FOR
PERMANENT SEEDING

SPECIES	RATE Per 1,000 sq.ft.	RATE Per Acre *	PLANTING DATES **
BAHIA	1.4 POUNDS	60 LBS.	1/1-12/31
BERMUDA	0.2 POUND	10 LBS.	2/15-7/1
CENTPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY	4/1-7/1
LESPEDENZA	1.7 POUNDS	75 LBS.	1/1-12/31
WEEPING LOVE GRASS	0.1 POUND	4 LBS.	2/1-6/15
SWITCH GRASS	0.9 POUND	40 LBS.	3/15-6/1

* Unusual site conditions may require heavier seeding rates

** Seeding dates may need to be altered to fit temperature variations and conditions.

ISSUED FOR
CONSTRUCTION - 04/24/2023

Laura & Wayne Melnick
1921 Sadler Drive S.E.
Smyrna GA 30080

EROSION CONTROL
DETAILS

DRAWING NO.

C-6

SHEET 6 OF 9

REVISIONS

△	DATE	DESCRIPTION
1	11-07-22	TREE PLANTING DETAIL

LEGEND



6040 Northbelt Drive,
Suite F
Norcross , GA 30071
Tel: (678) 367-3307
www.bellareed.com

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 07/18/2022

SCALE: NONE

Pool Dimensions
Maximum length: 12'
Maximum width: 12'
Minimum depth: 5.0'
Maximum depth: 5.0'
Perimeter feet: 48'
Square feet: 144

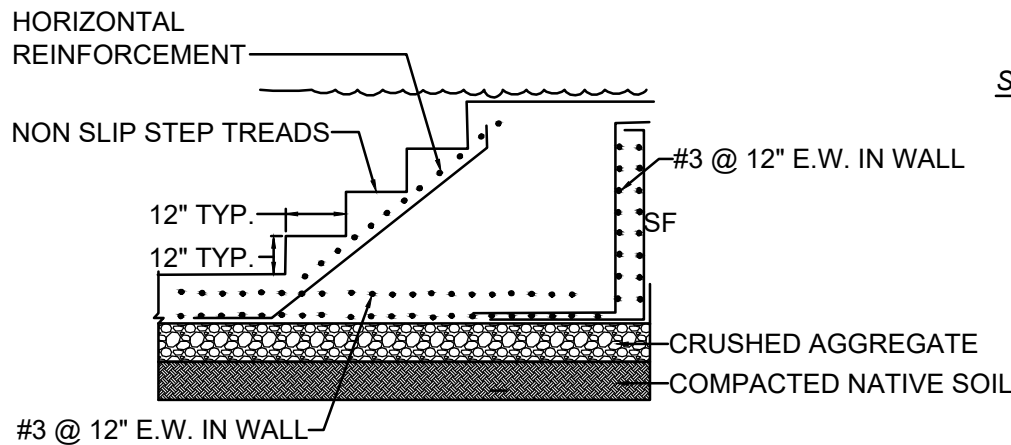
Pool Equipment

Pump:
Pentair Variable
Filter:
Cartridge
Chem Type: Salt
Lighting: (4) 12
Volt LED
Heater: 400k
btu
Reinforcement:
Steel C x C: 12 inch
Rebar Size: #3 3/8"
Piping:
Returns: 2 w/2"
Pipe
Skimmer: 1 w/2"
Pipe
Drain: VGB
Compliant Double Anti
Vortex
Auto sweep: Pentair
Legend
Coping:
Travertine
Tile: 6X6
Stone
Inside Finish: Pebble
Plaster

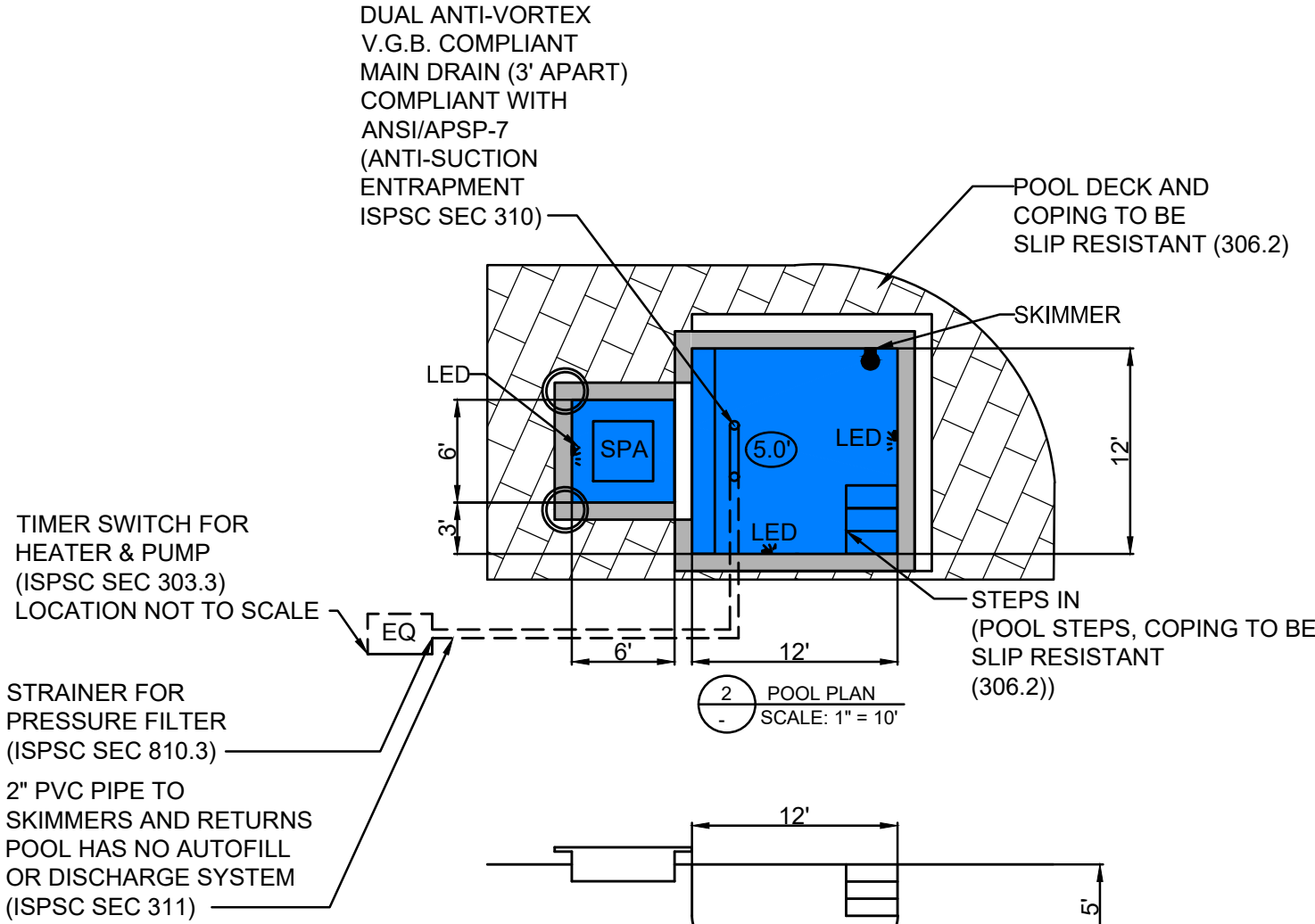
1 SPECIFICATIONS

NOTES:

- #3 (3/8") REBAR SCH. 40 SPEC. 615 USED THROUGHOUT POOL EXCEPT IN BEAM.
- STEEL WILL BE 12" O.C, EXCEPT IN BOND BEAM.
- STARTING AT 6 1/2" DEPTH AND RUNNING AROUND THE DEEP END BOWL TO THE OPPOSITE SIDE OF THE POOL AT THE 6 1/2" DEPTH, #3 REBAR SHALL BE INSTALLED ON 12" CENTER, 10" LONG BARS WILL START AT THE TOP OF THE BEAM AND BE SPLICED INTO THE FLOOR.
- ALL STEEL TO BE CONTINUOUS BY SPLICING.
- ALL SPLICES SHOULD BE APPROXIMATELY 18" WITH A MINIMUM OF 12" AND TWO TIES.
- ALL STEEL WILL BE BLOCKED 2" OFF DIRT.
- ADD #3 @ 10'-0" LONG @ 12" VERT. MAKING A TOTAL OF #3 VERT. @ 6" O.C. #3 TO BEGIN 2'-0" INTO THE FLOOR AND EXTEND UPWARD INTO THE WALL, ADD #3 @ 6" O.C. 2" INTO SHALLOW END EXTENDING DOWN, BREAK 2" DEEP ONTO THE DEEP END FLOOR.



4 STEP DETAIL
BENCH ENTRY/EXIT (809.3)
SHALL NOT EXCEED
20" IN DEPTH (809.9)

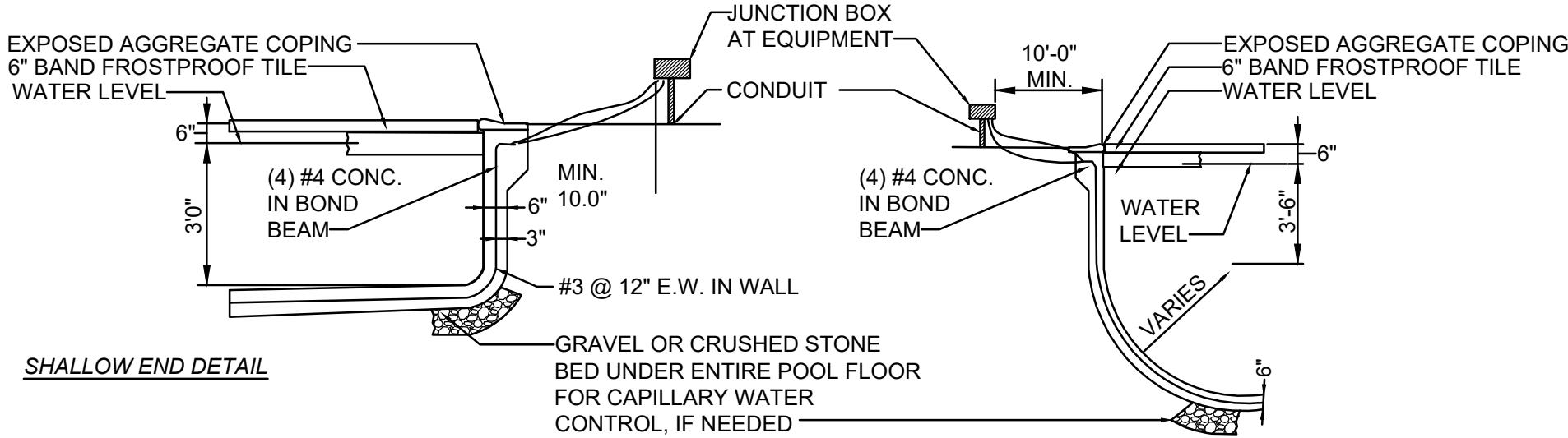


NOTE:

TYPE "O" RESIDENTIAL POOL
NO DIVING ALLOWED.

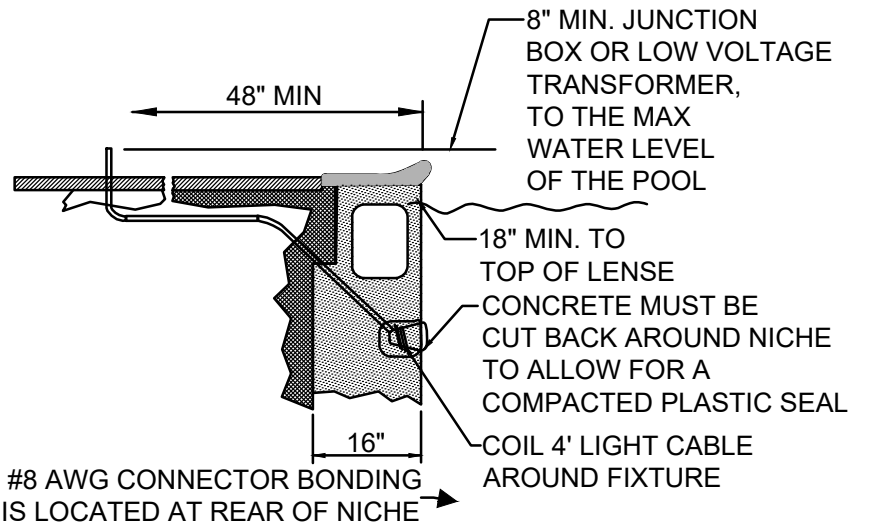
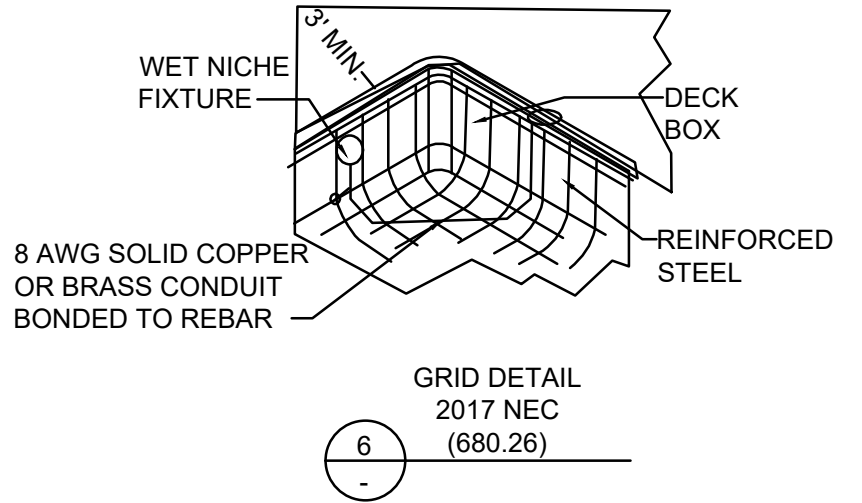
PER 2015 IECC (International Energy
Conservation Code) A VAPOR RETARDENT
POOL COVER SHALL BE PROVIDED.

3 POOL PROFILE
SCALE: 1" = 10'

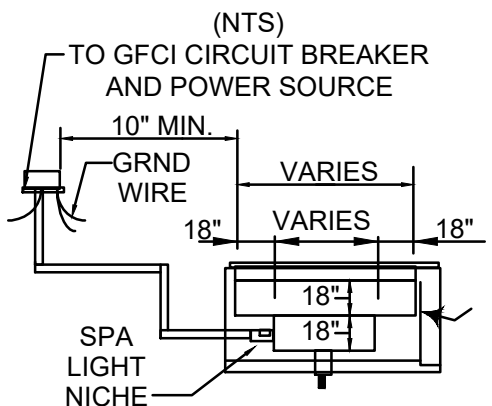


5 WALL DETAIL

EQUIPOTENTIAL BONDING AND BONDING
GRID:
" BONDING SHALL BE DONE IN ACCORDANCE
WITH SECTION 680.26 OF THE NATIONAL
ELECTRICAL CODE (NEC)"



7 WET NICHE FIXTURE



8 SPA DETAIL

ISSUED FOR CONSTRUCTION - 07/20/2022

REVISIONS		
Δ	DATE	DESCRIPTION

LEGEND	

LEGEND	

BELLAREED LUXURY POOLS
6040 Northbelt Drive, Suite F Norcross, GA 30071 Tel: (678) 367-3307 www.bellareed.com

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE: 08/30/2021
SCALE: AS NOTED

Josh & Amy Hicks 1907 Sadler Drive SE Smyrna GA 30080
POOL DETAILS
SHEET 7 OF 9

DRAWING NO. C-7



TRULY ONE OF A KIND

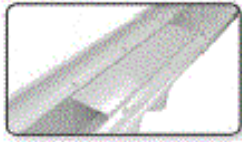
The only drain of its kind available. Get peace of mind with our maximum safety drain that also cleans your pool! Install only one drain for up to two pumps. Requires minimum plumbing yet provides maximum protection and compliance with anti-entrapment codes.

BENEFITS

- » **UNBLOCKABLE.**
 - » Designed with large opening for large debris removal. Most other certified drains are for circulation only.
 - » Requires no vent line or SVRS per ANSI/APSP 7 standard.
 - » Perfect for spas, negative/flushing edges, fountains, sheer descents and all other water features.
 - » Easy Installation.

SAFETY ENGINEERED

- » Listed and certified by NSF International to the Virginia Graeme-Baker Act and ASME/ANSI A112.19.8a-2008 and it is certified up to 227 GPM.
- » List by NSF 50.
- » Full compliance with anti-entrapment codes.
- » Throw-away cover to provide protection during construction.
- » Dual levels of protection with the AVSC safety baffle providing a second level of protection in the event the main cover is removed.



SAFETY FIRST
Safety baffle over interior inlet.

FEATURES

- » Available in two models, Single & Dual Inlet.
- » With the dual inlet design and a flow rate of 227 GPM, pool builders can use one AVSC Drain for two pumps. Think of the savings!
- » The AVSC Drain comes with:
 - » Pre-installed pressure test plug.
 - » 10 safety-protected Torx® screws to secure the cover.
 - » Construction Cover.
 - » Available in multiple colors.
 - » Optional Hydrostatic Valve connection.



Easy Installation
right out of the box

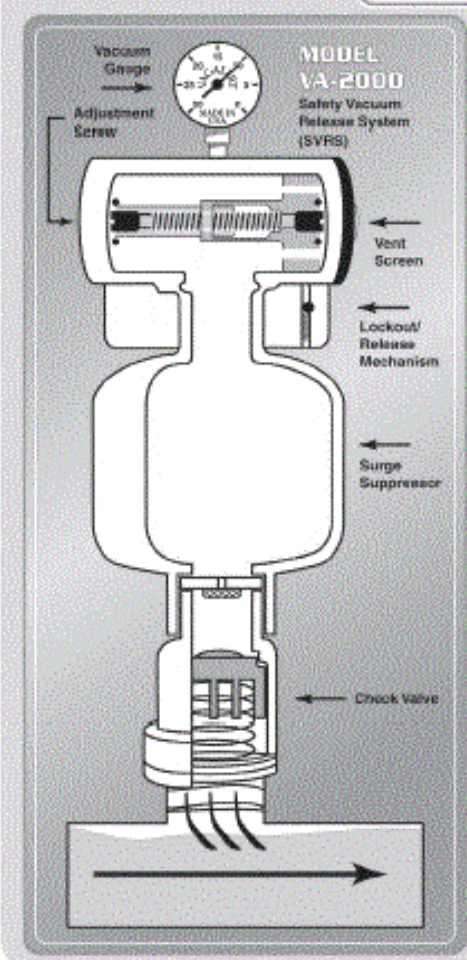
UNBLOCKABLEDRAIN.COM



Toll Free: 800.851.8492 Local: 800.256.6935 Fax: 800.532.4896
3730 West Indian School Road Phoenix, Arizona 85019
www.aandmfg.com
Resale pending.

SAFETY VACUUM RELEASE SYSTEM

SVRS



MANUFACTURED BY
VAC-ALERT® INDUSTRIES, LLC
FORT PIERCE, FLORIDA
www.vac-alert.com

Vac-Alert® Model VA-2000 SVRS Unit Reacts In Less Than A Second To Quickly Release Dangerous Pump Suction Vacuum.

A Totally Mechanical, Non-Electric Safety System, The VA-2000 SVRS is Easy To Install, Adjust And Test.

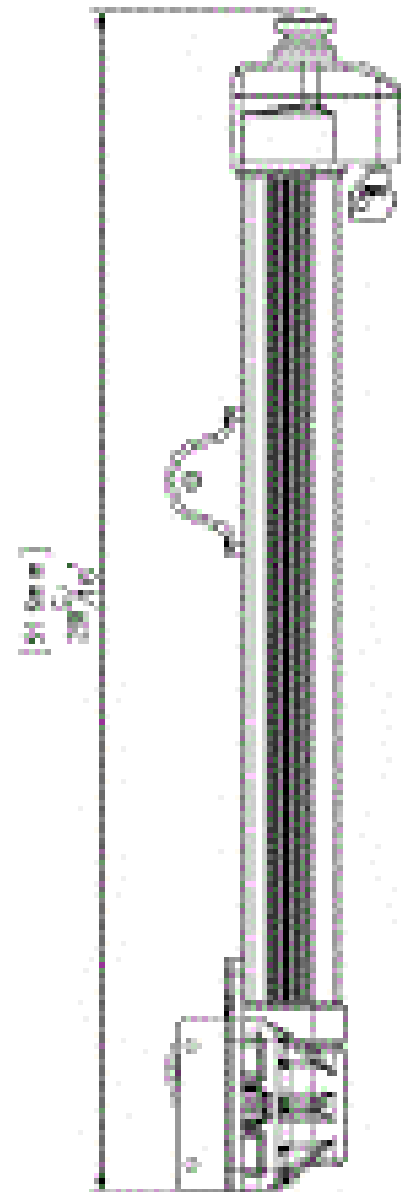
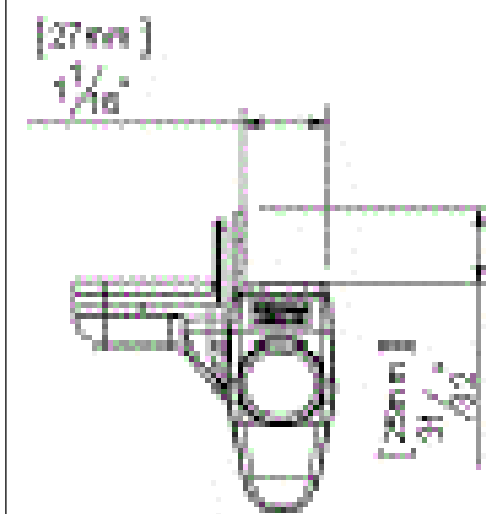
Vac-Alert's Fail Safe Design Is Manufactured With Only Engineered Plastics And Type 316 Stainless Steel For Long-Life And Reliable Service.

The VA-2000 SVRS Provides A Critical Layer Of Protection Against Body Or Limb Drain Suction Entrapment.

Tests Conducted By Independent, Third Party Laboratory Demonstrate That Vac-Alert's Model VA-2000 Meets Or Exceeds The Performance Requirements Of ASME/ANSI A112.19.17 - Manufactured Safety Vacuum Release Systems.

The VA-2000 SVRS Is Backed By A 3-Year Limited Manufacturer's Warranty.

FOR SALES AND SERVICE CONTACT:

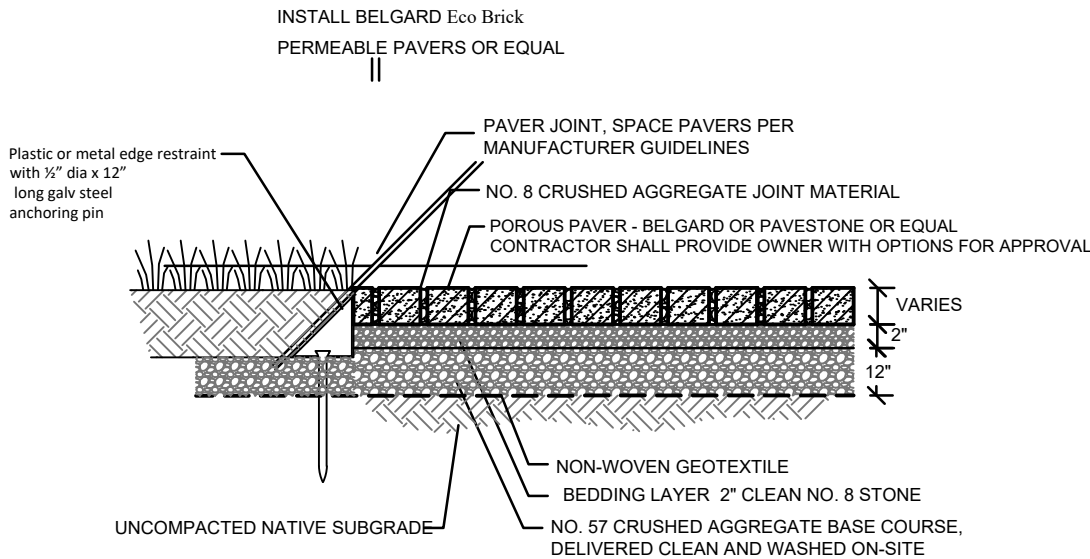


MAGNALATCH TOP PULL - MLTPS2BGA

ISPS Section 305.4

Where a wall of a dwelling or structure serves as part of the barrier, doors and operable windows with a sill height of less than 48 inches that provide direct access to the aquatic vessel through the wall, shall be equipped with one or more of the following:

1. An alarm that produces an audible warning when the door or its screen or window is opened. The alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL 2017. In dwellings or structure not required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located 54 inches or more above the threshold of the door. In dwellings or structures required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located not greater than 54 inches and not less than 48 inches above the threshold of the door.



PERMEABLE PAVEMENT NOTES

1. A FIELD TEST SHOWING THAT NATIVE SOILS WILL HAVE MINIMUM DESIGN INFILTRATION RATE OF 0.1 INCHES/HOUR SHALL BE SUBMITTED.
2. THE GENERAL CONTRACTOR SHALL SUBMIT A NARRATIVE IDENTIFYING HOW PERVIOUS PAVEMENT SURFACES WILL BE PROTECTED FROM RECEIVING SEDIMENT DURING THE ENTIRE CONSTRUCTION PROJECT.
3. THE FULL EXTENT OF THE POROUS PAVEMENT AREA SHALL BE FENCED OFF UNTIL PROJECT COMPLETION TO PREVENT COMPACTION OF THE SUBGRADE. DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE NATIVE SOIL SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL, HAND RAKE THE SURFACE TO A DEPTH OF 3" TO RESTORE INFILTRATION CAPACITY.
4. CALL THE LANDSCAPE ARCHITECT 24 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY SO CONSTRUCTION OBSERVATION MAY BE PERFORMED TO IDENTIFY VARIATIONS IN THE FIELD THAT MAY AFFECT DESIGN AND VERIFY PROPER CONSTRUCTION.
5. AGGREGATE BASE COURSE SHALL BE DELIVERED CLEAN (2% WASH LOSS) AND WASHED ON-SITE TO REDUCE WASH LOSS TO 0.5%. THIS MAY BE DONE BY HOSEING THE ROCK OFF WHILE STILL IN THE DELIVERY TRUCK OR AFTER STOCKPILING. SCOOP FROM THE TOP AND PLACE ROCK. HOSE OFF AS NEEDED AS THE PILE DIMINISHES SINCE FINES WILL MIGRATE TO LOWER LEVELS OF THE PILE.
6. INSTALL PAVERS PER MANUFACTURER'S SPECIFICATIONS

MANUFACTURED PERMEABLE PAVEMENT



EXISTING WOOD PRIVACY FENCE

ISSUED FOR CONSTRUCTION - 07/20/2022

REVISIONS		
Δ	DATE	DESCRIPTION
1	10-10-22	PERMEABLE PAVEMENT DETAIL

LEGEND	

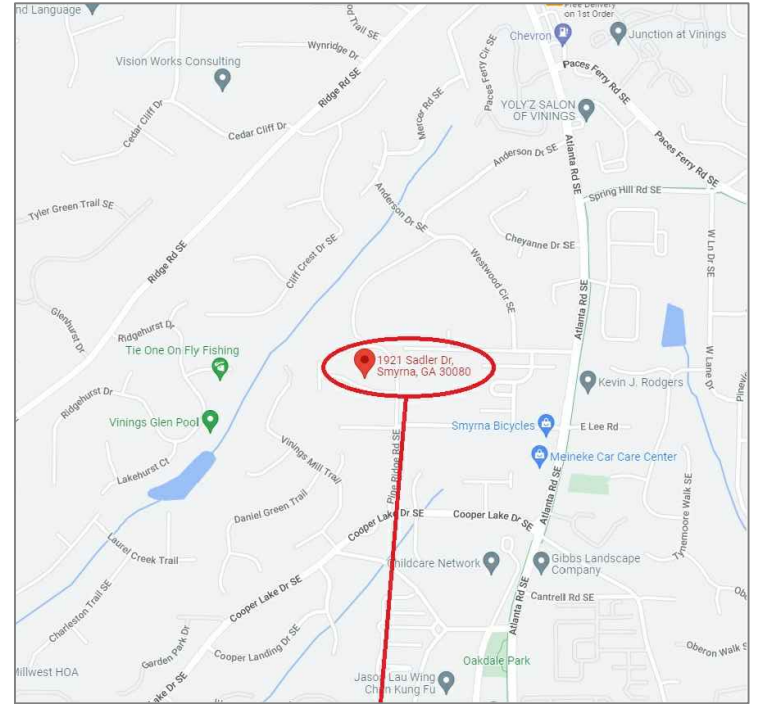
LEGEND	

BELLAREED LUXURY POOLS
6040 Northbelt Drive, Suite F Norcross, GA 30071 Tel: (678) 367-3307 www.bellared.com

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE: 07/18/2022
SCALE: NONE

Laura & Wayne Melnick 1921 Sadler Drive S.E. Smyrna GA 30080
POOL DETAILS

DRAWING NO.
C-8
SHEET 8 OF 9



SITE LOCATION MAP
NOT TO SCALE

ZONING NOTE:
BEFORE DEVELOPMENT OF THIS PROPERTY,
DEVELOPER AND ARCHITECT TO CONFIRM
ZONING DISTRICT, PER ZONING DEPARTMENT.

**PROPERTY IS ZONED RDA
CITY OF SMYRNA**
BUILDING SETBACK AS PER PB.261/PG.93:

FRONT: 5' INTERIOR/10' EXTERIOR
SIDE: 5' INTERIOR/15' EXTERIOR
REAR: 20' INTERIOR/30' EXTERIOR
MAX LOT COVERAGE 45%
MAX BUILDING HEIGHT 35'

SSMH1
TOP=1014.12
INV IN=1004.62
INV OUT=1004.52

SSMH2
TOP=985.68
(A)INV IN=975.18
(B)INV IN=975.18
INV OUT=975.08

SSMH3
TOP=975.45
(A)INV IN=964.95
(B)INV IN=965.65
INV OUT=964.85

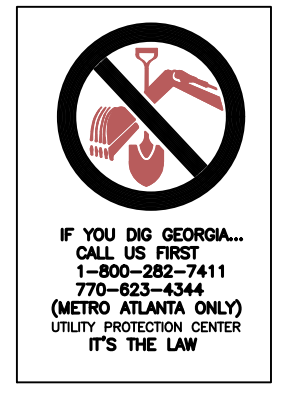
MH1
TOP=1008.05
INV IN=1003.15
INV OUT=1003.05

MH2
TOP=1007.37
INV IN=1002.27
INV OUT=1002.17

MH3
TOP=987.64
(A)INV IN=981.54
(B)INV IN=981.64
INV OUT=981.44

MH4
TOP=987.41
INV OUT=982.11

VERTICAL DATUM NAVD88



IF YOU DIG GEORGIA...
CALL US FIRST
1-800-282-7411
770-623-4344
(METRO ATLANTA ONLY)
UTILITY PROTECTION CENTER
IT'S THE LAW

FLOOD NOTE:

I HAVE THIS DATE, EXAMINED THE "FIA FLOOD HAZARD MAP" AND FOUND IN MY OPINION REFERENCED PARCEL (●) (IS NOT) IN AN AREA HAVING SPECIAL FLOOD HAZARDS, WITHOUT AN ELEVATION CERTIFICATION SURVEYOR IS NOT RESPONSIBLE FOR ANY DAMAGE DUE TO ITS OPINION FOR SAID PARCEL
MAP ID 13067C0226G EFFECTIVE DATE: 12/16/2008

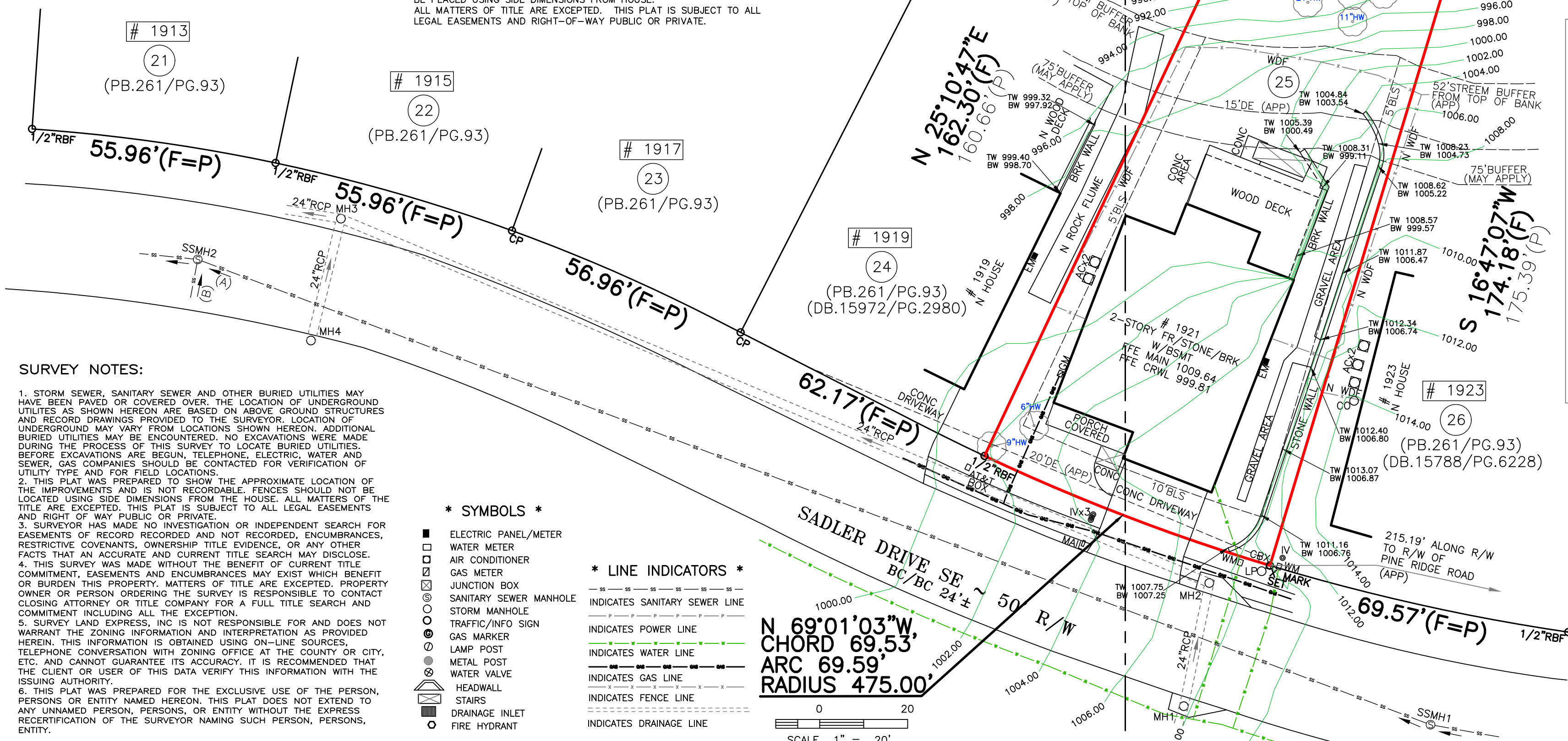
ZONE: X

THE FLOOD INFORMATION ON THIS PLAT HAS BEEN DETERMINED AFTER REVIEW OF MAPS WHICH ONLY APPROXIMATE THE LOCATION OF THE APPLICABLE FLOOD HAZARD AREA A SECOND OPINION OR COMPREHENSIVE FLOOD EVALUATION STUDY IS SUGGESTED FOR MORE ACCURATE INFORMATION. FOR FURTHER INFORMATION CONTACT THE LOCAL DRAINAGE DEPARTMENT, CORPS OF ENGINEERS AND INSURANCE COMPANY OR AN APPRAISER.

THIS PLAT WAS PREPARED TO SHOW THE APPROXIMATE LOCATION OF THE IMPROVEMENTS AND IS NOT RECORDABLE. FENCES SHOULD NOT BE PLACED USING SIDE DIMENSIONS FROM HOUSE. ALL MATTERS OF TITLE ARE EXCEPTED. THIS PLAT IS SUBJECT TO ALL LEGAL EASEMENTS AND RIGHT-OF-WAY PUBLIC OR PRIVATE.

NOTE B
NOT FOUND IN THE FIELD
APPROX. LOCATION BY
PB.261/PG.93:

EXISTING LOT COVERAGE DETAIL
NOT TO SCALE



SURVEY NOTES:

1. STORM SEWER, SANITARY SEWER AND OTHER BURIED UTILITIES MAY HAVE BEEN PAVED OR COVERED OVER. THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATION OF UNDERGROUND MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROCESS OF THIS SURVEY TO LOCATE BURIED UTILITIES. BEFORE EXCAVATIONS ARE BEGUN, TELEPHONE, ELECTRIC, WATER AND SEWER, GAS COMPANIES SHOULD BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.

2. THIS PLAT WAS PREPARED TO SHOW THE APPROXIMATE LOCATION OF THE IMPROVEMENTS AND IS NOT RECORDABLE. FENCES SHOULD NOT BE LOCATED USING SIDE DIMENSIONS FROM THE HOUSE. ALL MATTERS OF TITLE ARE EXCEPTED. THIS PLAT IS SUBJECT TO ALL LEGAL EASEMENTS AND RIGHT OF WAY PUBLIC OR PRIVATE.

3. SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD RECORDED AND NOT RECORDED, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

4. THIS SURVEY WAS MADE WITHOUT THE BENEFIT OF CURRENT TITLE COMMITMENT, EASEMENTS AND ENCUMBRANCES MAY EXIST WHICH BENEFIT OR BURDEN THIS PROPERTY. MATTERS OF TITLE ARE EXCEPTED. PROPERTY OWNER OR PERSON ORDERING THE SURVEY IS RESPONSIBLE TO CONTACT CLOSING ATTORNEY OR TITLE COMPANY FOR A FULL TITLE SEARCH AND COMMITMENT INCLUDING ALL THE EXCEPTIONS.

5. SURVEY LAND EXPRESS, INC IS NOT RESPONSIBLE FOR AND DOES NOT WARRANT THE ZONING INFORMATION AND INTERPRETATION AS PROVIDED HEREIN. THIS INFORMATION IS OBTAINED USING ON-LINE SOURCES, TELEPHONE CONVERSATION WITH ZONING OFFICE AT THE COUNTY OR CITY, ETC. AND CANNOT GUARANTEE ITS ACCURACY. IT IS RECOMMENDED THAT THE CLIENT OR USER OF THIS DATA VERIFY THIS INFORMATION WITH THE ISSUING AUTHORITY.

6. THIS PLAT WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS OR ENTITY NAMED HEREON. THIS PLAT DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS, OR ENTITY WITHOUT THE EXPRESS RECERTIFICATION OF THE SURVEYOR NAMING SUCH PERSON, PERSONS, ENTITY.

- * SYMBOLS ***
- ELECTRIC PANEL/METER
 - WATER METER
 - AIR CONDITIONER
 - GAS METER
 - JUNCTION BOX
 - SANITARY SEWER MANHOLE
 - STORM MANHOLE
 - TRAFFIC/INFO SIGN
 - GAS MARKER
 - LAMP POST
 - METAL POST
 - WATER VALVE
 - HEADWALL
 - STAIRS
 - DRAINAGE INLET
 - FIRE HYDRANT
- * LINE INDICATORS ***
- INDICATES SANITARY SEWER LINE
 - INDICATES POWER LINE
 - INDICATES WATER LINE
 - INDICATES GAS LINE
 - INDICATES FENCE LINE
 - INDICATES DRAINAGE LINE

N 69°01'03"W
CHORD 69.53'
ARC 69.59'
RADIUS 475.00'

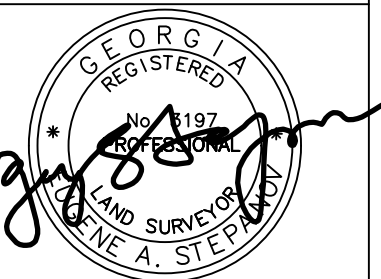
SCALE 1" = 20'

LOT 25	BLOCK
STONECREST MANOR SUBDIVISION	UNIT
LAND LOTS 673 AND 696	17TH DISTRICT 2ND SECTION
COBB COUNTY, GEORGIA	DB.15996/PG.1512 PB.261/PG.93
FIELD WORK DATE MARCH 28, 2022	PRINTED/SIGNED APR 01, 2022
ALL MATTERS PERTAINING TO TITLE ARE EXCEPTED PAPER SIZE: 17" x 22"	

EXISTING CONDITIONS SURVEY PREPARED FOR: SHEET 1 OF 1

LAURA & WAYNE MELNICK

PROPERTY ADDRESS:
1921 SADLER DRIVE SE
SMYRNA, GA 30080



THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE OF 1 FOOT IN 30,000+ FEET, AN ANGULAR ERROR OF 05 SECONDS PER ANGLE POINT AND WAS ADJUSTED USING THE LEAST SQUARES METHOD. THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND FOUND TO BE ACCURATE TO 1 FOOT IN 100,000+ FEET. AN ELECTRONIC TOTAL STATION AND A 100' CHAIN WERE USED TO GATHER THE INFORMATION USED IN THE PREPARATION OF THIS PLAT. NO STATE PLANE COORDINATE MONUMENT FOUND WITHIN 500' OF THIS PROPERTY.

SURVEY LAND EXPRESS, INC
LAND SURVEYING SERVICES

24 LENOX POINTE
ATLANTA, GA 30324
FAX 404-601-0941
TEL 404-252-5747
INFO@SURVEYLANDEXPRESS.COM

APPROX. LOCATION
OF LAND LOT LINE

THIS SURVEY PLAT OF EXISTING CONDITIONS ON THE PROPERTY MUST BE USED AS A SINGLE STAND ALONE DOCUMENT. CAN NOT BE SCANNED AND ALTERED, CROPPED OUT COPY/PASTE OR MODIFIED WITH SURVEY LAND EXPRESS TITLE BLOCK, SURVEYOR'S STAMP AND SIGNATURE. THIS SURVEY PLAT CAN BE ONLY ATTACHED AS A SEPARATE DOCUMENT BY ITSELF TO DEVELOPMENT PROJECTS AND SITEPLANS AND CAN NOT BE INSERTED WITH SURVEY LAND EXPRESS TITLE BLOCK, SURVEYOR'S STAMP AND SIGNATURE TO SOME OTHER DEVELOPMENT PROJECTS PREPARED BY ANY OTHER PARTY WITHOUT WRITTEN APPROVAL AND ORIGINAL BLUE INK SIGNATURE OF THE SURVEYOR OF RECORD.

TOTAL LAND AREA 9793.96 SF / 0.225 AC	
ALLOWABLE LOT COVERAGE 4407.28 SF / 0.101 AC / 45%	
EXISTING LOT COVERAGE 3431.81 SF / 0.079 AC / 35.04%	
* LEGEND *	
APD AS PER DEED	IR IRON ROD FOUND
AE ACCESS EASEMENT	JB IRRIGATION VALVE
AI AS PER FIELD	LLB LAND LOT LINE
AL ANGLE IRON FOUND	LLC LAND LOT LINE
APP AS PER PLAT	MAG MAGNETIC READING IP
APR AS PER RECORD	MGN MAGNOLIA TREE
BC BACK OF CURB	MH MAN HOLE
BLK BLOCK	MTF METAL FENCE
BLS BUILDING LINE SETBACK	N N'BERS
BRK BRICK	OH OVERHANG
BSMT BASEMENT	OTF OPEN TOP PIPE FOUND
CBX CABLE BOX	OU OWNERSHIP UNCLER
CB CONCRETE	PC PORCH
CB CATCH BASIN	PL PROPERTY CORNER
CL CENTER LINE	PN PINE TREE
CLF CHAIN LINK FENCE	POB POINT OF BEGINNING
CMP CORRUGATED METAL PIPE	PP POWER POLE
C.O.A. CITY OF ATLANTA	PW POWER LINE
CO SAN SEWER CLEANOUT	P PORCH
CRWL CRAWL SPACE	(P) PLAT
CP CALCULATED POINT	R RECORD
CPT CRIMP TOP PIPE FOUND	RBF REINFORCING BAR FOUND
CM CADASTRAL MAP	RBS REINFORCING BAR SET
DE DRAINAGE EASEMENT	RCP REINFORCED CONC. PIPE
DI DRAINAGE INLET	R/W RIGHT-OF-WAY
EB ELECTRIC POWER BOX	SSN SIGN
EM ELECTRIC METER	SSL SANITARY SEWER LINE
EP EDGE OF PAVEMENT	SSE SANITARY SEWER EASEMENT
F FIELD	SP SCREENED PORCH
FP FENCE POST	SW SIDEWALK
FC FENCE CORNER	TE TOP OF BANK
FL FRAME	UE UTILITY EASEMENT
FL GAS LINE	WD WOOD
GM GAS METER	WDF WOOD FENCE
GV GAS VALVE	WL WATER LINE
GW GUY WIRE	WM WATER METER
HDW HEAD WALL	WRF WIRE FENCE
HW HARDWOOD TREE	WW WATER VALVE
IP IRON PIN FOUND	WY WET WEATHER
IPS IRON PIN SET	YI YARD INLET