

1. EXCAVATION SHALL REMOVE ALL GRASS, WEEDS, ROOTS, AND ANY DEBRIS.
2. EXISTING SOFT SILT AND ORGANIC SOIL LAYER SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL.
3. SAND AND LIME ROCK SOIL CAN BE STOCKPILED AND USED AS BACKFILL.
4. ONCE THE ORGANIC LAYER HAS BEEN REMOVED, THE DEMUCKED SURFACE SHALL BE COMPACTED.
5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES IN LOOSE THICKNESS.
6. EACH LIFT SHALL BE THOROUGHLY COMPACTED WITH VIBRATORY COMPACTION EQUIPMENT.
7. FILL SHALL CONSIST OF CLEAN SAND, LIME STONE OR GRAVEL. FILL MATERIAL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 3" AND NO MORE THAN 10% PASSING THE No. 200 SIEVE.

8. FOUNDATION SYSTEM HAS BEEN DESIGNED USING A PRESUMPTIVE LOAD-BEARING CAPACITY OF 2000 PSF. THE SOIL COMPOSITION AT THE SITE CONSISTS OF LIMEROCK MIXED WITH SANDY MATERIAL. AT THE TIME OF CONSTRUCTION AND AFTER THE GROUND HAS BEEN BROKEN A LETTER WILL BE SUBMITTED TO THE BUILDING OFFICIAL ATTESTING THAT A REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT HAS OBSERVED THE SITE AND THE SOIL CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN WAS BASED.

- ALL CONCRETE INCLUDING SHOTCRETE AND GUNITED TO ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 P.S.I. IN 28 DAYS. AGGREGATES TO BE CLEAN WELL GRADED, MAXIMUM SIZE 1/2".
- CONCRETE SLUMP= 3" MIN. TO 5" MAX.
- MAXIMUM WATER/CEMENT RATIO = 0.5
- VERTICAL CONCRETE DROP NOT TO EXCEED 9'-0".

<u>CONCRETE COVER:</u>		MINIMUM CLEAR COVER IN
A.	BOTTOM SIDE OF POOL SLAB CAST AGAINST EARTH	3
B.	UPPER SIDE OF POOL SLAB	2
C.	WALLS EXPOSED TO EARTH OR WEATHER	2

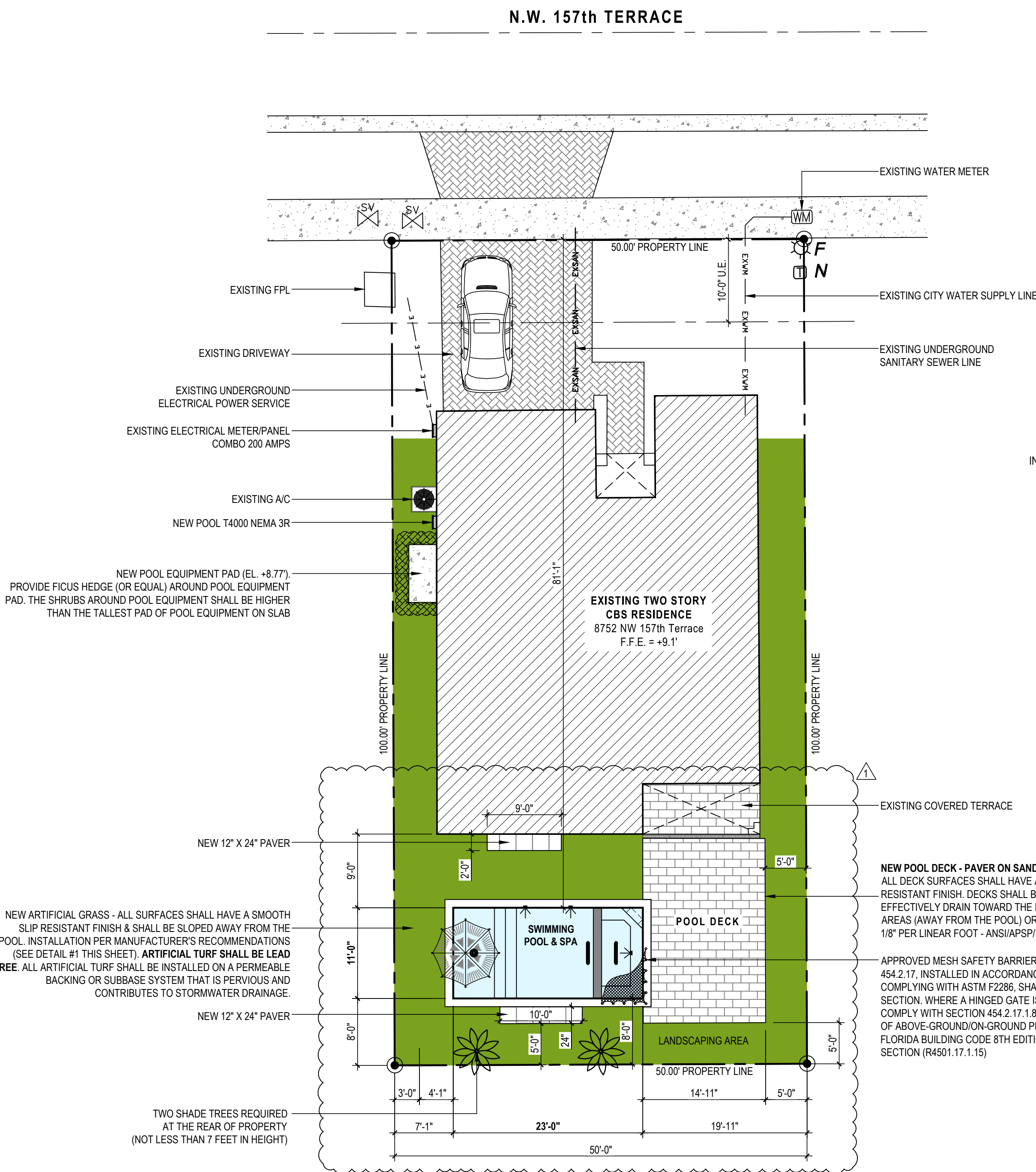
- TO BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- ALL TOP REINFORCEMENT SHALL TERMINATE WITH STANDARD HOOKS AT DISCONTINUOUS END.
- ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION 2013, ASCE 7-22 MINIMUM DESIGN LOADS FOR BUILDINGS, THE ACI 318-19 BUILDING CODE REQUIREMENTS REQUIREMENTS FOR STRUCTURAL CONCRETE, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES.
- SPLICES IN REINFORCING BARS SHALL BE NOT LESS THAN 36 BAR DIAMETERS AND REINFORCEMENT SHALL BE CONTINUOUS AROUND ALL CORNERS AND CHANGES IN DIRECTION. CONTINUITY SHALL BE PROVIDED AT CORNERS OR CHANGES IN DIRECTION BY BENDING THE LONGITUDINAL BARS TO THE CORNER & BAR DIAMETERS OR BY ADDING MATCHING REINFORCING STEEL, WHICH SHALL EXTEND 48 BAR DIAMETERS FROM EACH CORNER OR CHANGE IN DIRECTION.

1. ALL FLOOR & WALLS OF POOL TO BE PNEUMATICALLY APPLIED CONC. WITH A MIN 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.
2. ALL REINFORCING STEEL TO CONFORM TO A.S.T.M. A615 GRADE 60.
3. ALL POOL PIPING TO BE SCHEDULE 40 PVC NON THREADED NSF PIPE WITH SOLVENT WELD JOINTS.
4. IN ALL CASES, THE POOL CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT EXISTING STRUCTURES FROM FAILURE BY SHEATHING AND/OR SHORING OR OTHER METHODS AS REQUIRED. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE SAFETY OF EXISTING STRUCTURES.
5. THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR POOL CONSTRUCTION IN EASEMENT OR REQUIRED SETBACK AREAS. PLAT PLANS NOT PREPARED FROM LEGAL SURVEYS OF THE EXISTING LOT AND RESIDENCE ARE SO INDICATED. POOL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND ESTABLISH LOT LINES. IF NECESSARY, POOL CONTRACTOR AND/OR OWNER SHALL VERIFY SHOWN AND ALL DIMENSIONS PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL ESTABLISH LOCATIONS OF UTILITIES AT THE SITE MINIMUM CLEARANCE DIMENSIONS SHALL BE HELD AND SHALL BE AS REQUIRED BY THE LOCAL REGULATORY AGENCY. IN GENERAL, HOLD A DISTANCE OF 10 FEET FROM OVERHEAD ELECTRIC LINES TO POOL'S WATER EDGE.
7. **RESIDENTIAL SWIMMING POOL BARRIER SHALL COMPLY WITH SECTIONS R4501.17.1 THROUGH R4501.17.3. FLORIDA BUILDING CODE 8th EDITION 2023 CHAPTER 45 - PRIVATE SWIMMING POOLS**
8. WHERE POOLS ABUT OR ARE PLACED NEARBY SEA WALL OR BULKHEADS, SPECIAL CARE SHALL BE EMPLOYED. THE WALLS SHALL BE IN GOOD CONDITION, NOT PERMITTING ANY SHIFTING OR REMOVAL, OR LOOSENING OF THE SUPPORTING SOIL AWAY FROM THE POOL. IF THE WALLS DO NOT FULLY CONTAIN THE SOILS BEHIND THEM, THEY SHALL BE REPLACED OR REINFORCED. CONTINUING MAINTENANCE OF THE WALL IS REQUIRED BY THE PROPERTY OWNER. WHEN EXCAVATING FOR THE POOL, THE SEA-WALL TIEBACKS SHALL NOT BE CUT. WHEN DEADMAN FALL WITHIN THE EXCAVATION, NOTIFY THE ENGINEER IMMEDIATELY FOR FURTHER INSTRUCTIONS.
9. THE CONTRACTOR SHALL BACKFILL POOL SHELL WITH CAUTION. THE PLUMBING SHALL NOT BE DISTURBED. BACKFILL SHALL BE PERFORMED WITH CLEAN SAND, FREE OF ORGANIC MATERIALS AND SHALL BE PLACED IN 12 INCH THICK LAYERS. EACH LAYER SHALL BE COMPACTED TO 90% OF THE SOILS MAXIMUM DENSITY BY TAMPERING. SOLIDLY. SOILS BELOW THE DECK SHALL BE PLACED IN SIMILAR MANNER.
10. WHERE DECKS ARE INDICATED BY OTHERS, THE DECK DESIGN NOTIONS SHOWN ON THE TYPEICAL SECTION DO NOT APPLY. DECK DESIGN SHALL BE BY OTHERS.

1. DO NOT DRAIN POOL UNDER HIGH GROUND WATER OR STORM CONDITIONS.
12. WARNINGS! DO NOT EMPTY POOL AFTER CONSTRUCTION FOR REPAIRS OR ANY OTHER REASON BEFORE CONSULTING WITH A POOL OR POOL REPAIR CONTRACTOR. HYDROSTATIC UPLIFT PRESSURES MUST BE ELIMINATED TO PREVENT POOL FROM FLOATING ABOVE GROUND, AND CAUSING DAMAGE TO THE STRUCTURAL INTEGRITY OF THE POOL.
13. THIS PLAN REMAINS THE PROPERTY OF THE DESIGN ENGINEERS. IT IS NOT TRANSFERABLE FROM ONE CONTRACTOR TO ANOTHER WITHOUT THE WRITTEN PERMISSION OF THE DESIGN ENGINEERS.
14. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8th EDITION 2023 CHAPTER 45 - PRIVATE SWIMMING POOLS, AND ARTICLE 680 N.E.C. 2020 EDITION. ALL BOND WIRES SHALL BE PROTECTED WITH APPROVED MATERIAL. THE CONTRACTOR SHALL INSURE THAT AN ELECTRICAL BONDING INSPECTION IS CALLED FOR AND APPROVED PRIOR TO PLACEMENT OF CONCRETE OVER THE BOND WIRE CONNECTIONS. CONNECTIONS DIRECTLY FROM THE POOL LIGHT TO A TRANSFORMER BOX IS PROHIBITED. ALL METAL PARTS IN THE POOL AREA, IN ADDITION TO ALL METAL DOORS, WINDOWS, SCREENED ENCLOSURES, OR OTHER ITEMS CONTAINING METAL, WITHIN A DISTANCE OF 5 FEET FROM THE POOL WATER'S EDGE, SHALL ALSO BE GROUNDING.
15. POOL LIGHT TO BE GROUND TO COMMON BONDING GRID CONSISTING OF (1) #8 CONTINUOUS COPPER WIRE LOOPED AROUND POOL PERIMETER. LOOP SHALL BE GROUND TO PANEL VIA POOL WALL STEEL, DECK REINFORCING, AND PUMP MOTOR CASING.
16. FILTER BACKWASH SHALL COMPLY WITH THE FLORIDA BUILDING CODE 8th EDITION 2023
17. POOL WATER DISPOSAL TO BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8th EDITION 2023
18. ALL TREADS SHALL HAVE SLIP- RESISTING SURFACES PER ANSIPSP-5-2010, 6.1.5
20. THIS POOL HAS BEEN DESIGNED TO ALL APPLICABLE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8th EDITION 2023 CHAPTER 45 - PRIVATE SWIMMING POOLS
21. THIS POOL HAS BEEN DESIGNED TO ALL APPLICABLE REQUIREMENTS OF THE ASCE 7-22 STANDARDS
22. ALL MAIN DRAIN GRATE COVERS, SKIMMERS, VACUUM FITTINGS AND ALL OTHER SUCTION OUTLET SHALL COMPLY WITH ASTM 112-19-8-7 AND ANSI-7 REQUIREMENTS (VGBA COMPLIMENT)
23. ENTRAPMENT PROTECTION FOR SUCTION OUTLETS HAS BEEN DESIGNED PER ANSIPASP-7 2010 AND ASME A112.19-8-2010

40. ALL RESIDENTIAL FILTRATION PUMP CONTROLS FOR USE WITH A MULTI-SPEED PUMP MUST HAVE THE CAPABILITY OF OPERATING A MINIMUM OF TWO SPEEDS WITH A DEFAULT TO THE LOWER/FILTRATION SPEED AFTER ONE NORMAL FILTRATION CYCLE OR 24 HOURS, WHICHEVER IS LESS. (IF EXISTING CONTROLS ARE REPLACED, THE NEW CONTROLS MUST MEET REQUIREMENT.)

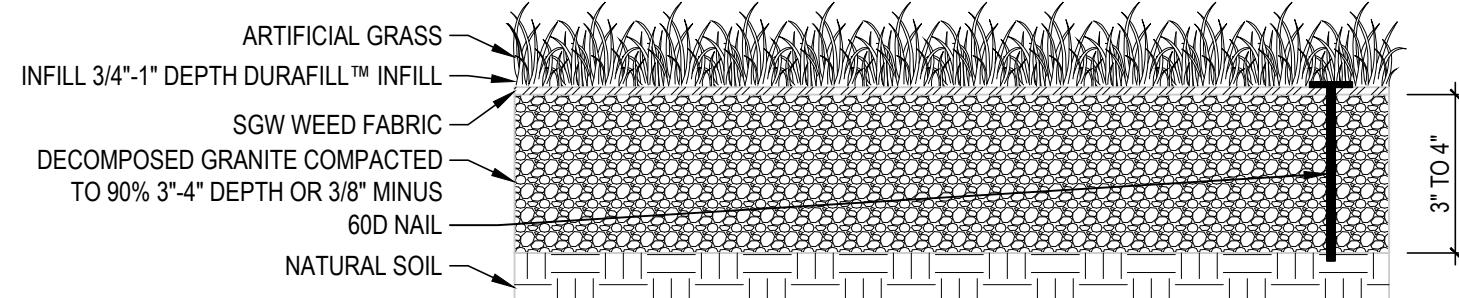
48 HOURS BEFORE DIGGING
CALL
TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL CENTER
OF FLORIDA



THIS SWIMMING POOL & SPA HAVE DESIGNED TO ALL APPLICABLE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8th EDITION 2023 CHAPTER 45 PRIVATE SWIMMING POOLS. DESIGN, CONSTRUCTION AND WORKSMANSHIP SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF ANSI/APSP/ICC3; ANSI/APSP/ICC4; ANSI/ APSP/ICC5; ANSI/APSP/ICC6; AND ANSI/APSP/ICC7.



SCALE: 1" = 10'-0"



SYNLAWN ARTIFICIAL GRASS - INSTALLATION GUIDELINES PER MANUFACTURER'S RECOMMENDATIONS:

1. AFTER THE ORIGINAL SURFACE IS COMPLETELY REMOVED, ALL REQUIRED WOOD BARRIERS AND BENCH BOARDS ARE INSTALLED.
2. A WEED BARRIER IS LAID DOWN AND SECURED, AND THEN A BASE LAYER OF ROCK AND DECOMPOSED GRANITE IS ADDED.
3. THE GRASS IS SHAPED AND COMPACTED, AND THEN THE TURF IS PREPARED, SEAMED, AND THE PERIMETER SECURED.
4. AN INFILL IS APPLIED BEFORE THE TURF IS GROOMED AND FINESSED.
5. PLEASE GET IN TOUCH TO SEE HOW WE CAN BRING YOUR LANDSCAPING PROJECT TO LIFE.

SP-1 SCALE: 1/2" = 1'-0"

SP-1

ELECTRICAL CONTRACTOR TO VERIFY ON FIELD CAPACITY AND CONDITIONS OF EXISTING SERVICE, REPORTING THE ENGINEER ANY INCONSISTENCY AND OR THE NECESSITY TO REPLACE ANY EXISTING PANEL OR WIRING

- CONTRACTOR TO SECURE AND PROTECT ALL MATERIAL BROUGHT ON SITE.
- CONTRACTOR TO RESTORE ALL AREAS IMPACTED BY PROPOSED WORK TO EXISTING CONDITION OR BETTER.
- CONTRACTOR SHALL NOT IMPACT UTILITY EASEMENT IN ANY WAY.

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Alejandro
F Pino

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