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 CITY OF LANCASTER  
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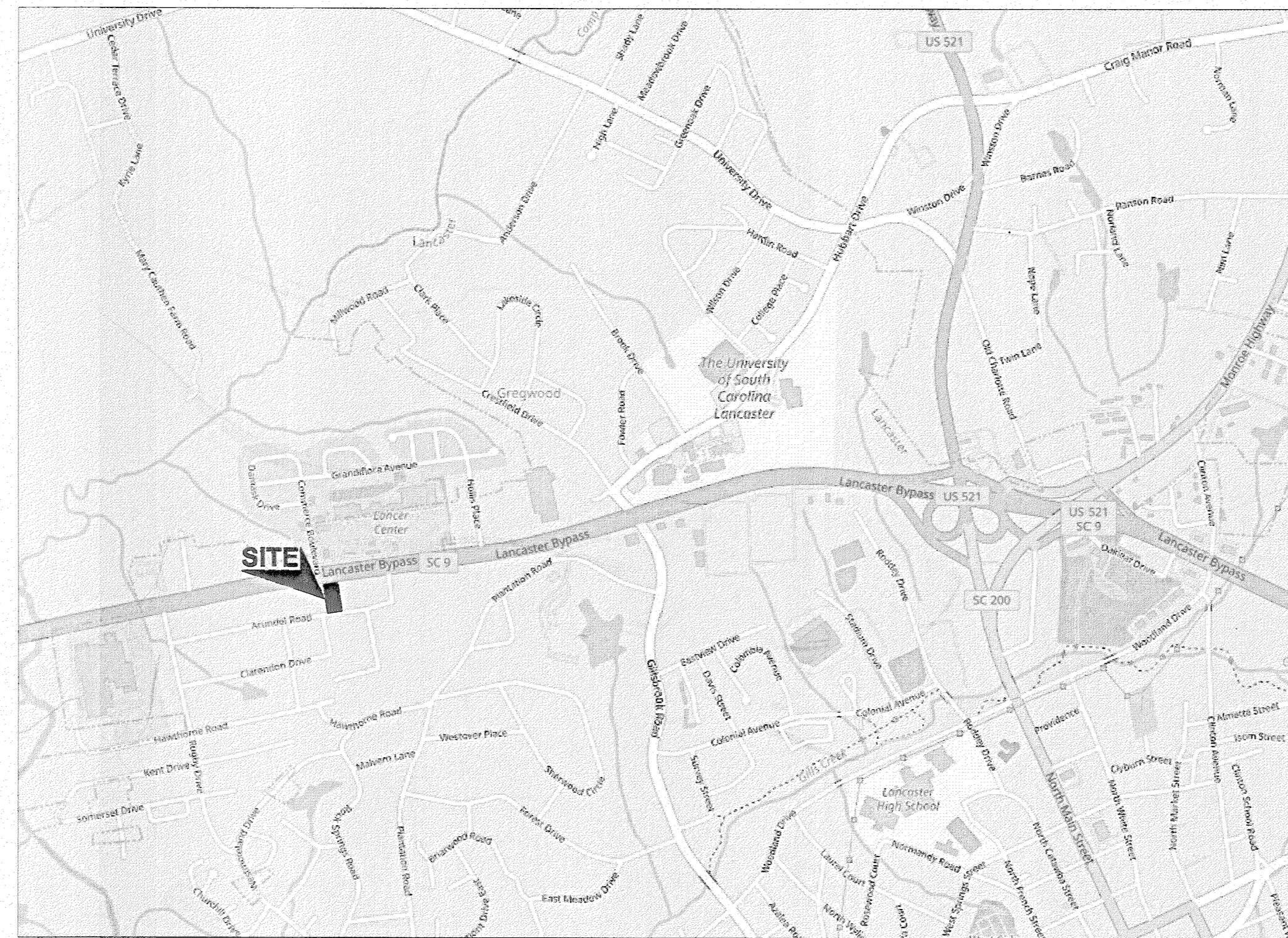
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# LANCASTER LOS MARIACHIS

## 4,259 SQUARE FOOT - SINGLE STORY RESTAURANT

1229 HIGHWAY 9 BYPASS WEST  
 LANCASTER, SOUTH CAROLINA 29720  
 PARCEL 0067G-0A-006.00



VICINITY MAP  
 NTS

City of Lancaster  
 BUILDING & ZONING DEPARTMENT  
**PLAN APPROVED**  
 By \_\_\_\_\_ Date 2/13/25  
 The granting of a permit for, or approval of, these plans and specifications shall not be construed to be a permit for or an approval of, any violation of any of the provisions of the current adopted building codes or any other ordinances of the City of Lancaster.

**DESIGN CONTACTS**

**SURVEYOR:**  
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 MONROE, NORTH CAROLINA, 28112  
 CONTACT: CRAIG MCNEILL  
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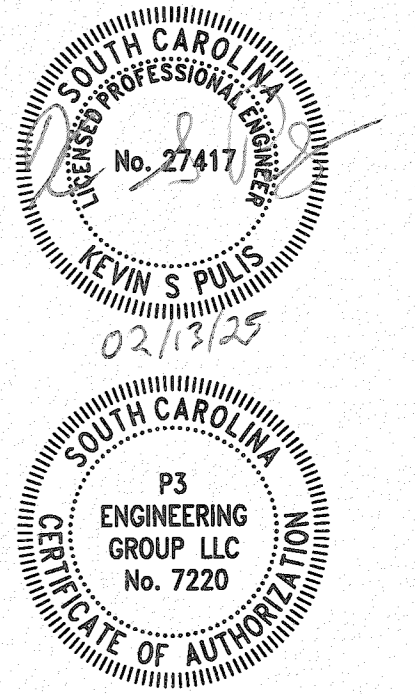
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DRAWING INDEX	
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C0.2	NOTES SHEET
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C1.2	DEMOLITION PLAN
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"I have placed my signature and seal on the design documents submitted signifying that I accept responsibility for the design of the system. Further, I certify to the best of my knowledge and belief that the design is consistent with the requirements of Title 48, Chapter 14 of the Code of Laws of SC, 1976 as amended, pursuant to Regulation 72-300 et seq. (if applicable), and in accordance with the terms and conditions of SCR100000."

Kevin Pulis  
 NAME  
  
 SIGNATURE  
 02/13/25  
 DATE



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 EMAIL: DUSTIN@P3EG.COM

LOS MARIACHIS  
 1229 HIGHWAY 9 BYPASS WEST  
 LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE:	03/28/2024
REVISIONS:	
▲ CITY COMMENTS	07/18/2024
▲ BUILDING AREA	07/25/2024
▲ FIRE SERVICE	10/18/2024
▲ ARUNDEL DRIVEWAY	12/18/2024
▲ ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

COVER SHEET

C0.1

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**SELECTIVE DEMOLITION NOTES**

1. THE DEMOLITION PLAN IS BASED ON EXISTING CONDITION SITE INFORMATION OBTAINED FROM THE OWNER. P3 ENGINEERING HAS NOT FIELD VERIFIED EXISTING CONDITIONS. REMOVAL ITEMS SHOWN ARE BASED ON BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO BE FULLY FAMILIAR WITH THE EXTENT OF THE REMOVAL ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REMOVALS NECESSARY TO COMPLETE CONSTRUCTION. QUESTIONS REGARDING ITEMS TO BE REMOVED SHALL BE DIRECTED TO P3 ENGINEERING PRIOR TO DEMOLITION ACTIVITIES.
2. CAREFULLY PRESERVE AND MAINTAIN EXISTING BENCHMARKS, HORIZONTAL/VERTICAL CONTROL MONUMENTS, PROPERTY LINE PIPES AND PINS AND OTHER REFERENCE POINTS. CONTRACTOR TO RESTORE OR REPLACE AT OWN EXPENSE.
3. ONSITE BLASTING AND BURNING IS NOT ALLOWED. EMPLOY JACK HAMMERING AND OTHER LOUD NOISES AND METHODS SPARINGLY AND ONLY DURING TIME PERIODS APPROVED BY OWNER AND AUTHORITY HAVING JURISDICTION.
4. CONTRACTOR SHALL ARRANGE FOR DISPOSITION OF REMOVAL ITEMS IN ACCORDANCE WITH LOCAL REQUIREMENTS. LOCATION OF DUMP, LENGTH OF HAUL, AND DISPOSAL EXPENSES ARE CONTRACTOR'S RESPONSIBILITY.
5. MATERIALS ENCOUNTERED THAT ARE SUSPECTED OF CONTAINING HAZARDOUS MATERIALS SHALL NOT BE DISTURBED. CONTACT CIVIL ENGINEER OR OWNER IMMEDIATELY.
6. SALVAGED ITEMS ARE TO BE CLEANED, PACKED OR CRATED IN CLEARLY IDENTIFIED CONTAINERS, AND STORED IN A SECURE AREA UNTIL DELIVERED TO OWNER. CONTRACTOR TO PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
7. THE CONTRACTOR SHALL CONTACT OWNER TO ARRANGE THE STORAGE OF ANY REMOVED SIGNS, LIGHTING, OR OTHER OBJECTS THAT ARE IDENTIFIED ON THE PLAN AS BEING RETURNED TO OWNER.
8. REFER TO THE CIVIL DRAWINGS FOR UTILITY DEMOLITION INFORMATION (IF APPLICABLE).
9. ALL EXISTING PLANTS TO REMAIN ARE TO BE PROTECTED FROM DAMAGE BY CONSTRUCTION OPERATIONS. DO NOT OPERATE EQUIPMENT, STORE STOCKPILE, OR PARK WITHIN DRIP LINE OF PLANTS. REMOVE SOO OVER PROMINENT ROOTS BY HAND TO MINIMIZE DAMAGE TO ROOT SYSTEM. CONTRACTOR IS RESPONSIBLE FOR HEALTH AND LIFE OF ALL PLANTS TO REMAIN OR BE RELOCATED THROUGHOUT CONSTRUCTION AND WARRANTY PERIOD.
10. THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING IRRIGATION MAINLINE PRIOR TO DEMOLITION ACTIVITIES. IRRIGATION TO EXISTING LANDSCAPE AREAS SHALL BE PROTECTED AND MAINTAINED DURING CONSTRUCTION.
11. MINIMIZE DISTURBANCE IN CONSTRUCTION STAGING AREAS. REPLACE/RESTORE ALL LANDSCAPE, HARDSCAPE, IRRIGATION, LIGHTING, ETC. WHICH IS DISTURBED BY CONSTRUCTION.
12. CONTRACTOR TO CONDUCT SELECTIVE DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
13. CONTRACTOR TO PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTIONS REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
14. CONTRACTOR SHALL NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. CONTRACTOR TO REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
15. CONTRACTOR TO COMPLY WITH ALL APPLICABLE LAWS FOR MATERIALS TRANSPORTATION DURING ONSITE AND OFFSITE HAULING.
16. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO EXISTING CONDITION BEFORE SELECTIVE DEMOLITION OPERATIONS BEGAN.
17. THE LIMITS OF WORK DESCRIBED IN THE DRAWINGS ARE APPROXIMATE. WORK REQUIRED OUTSIDE THESE LIMITS WHICH IS NEEDED TO MEET THE INTENT OF THE DRAWING IS THE RESPONSIBILITY OF THE CONTRACTOR.

**LAYOUT AND PAVING NOTES**

1. THE ENGINEER OR OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
2. ALL EXISTING STRUCTURES, CONCRETE PADS/WALKS/DRIVES AND UTILITY SERVICES ON THE SITE SHALL BE REMOVED TO FULL DEPTH PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING WORK.
4. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL PERMITS AND PAY ALL FEES PRIOR TO BEGINNING WORK.
5. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES AND IRRIGATION SLEEVES PRIOR TO INSTALLATION OF PAVEMENT.
6. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN, IN ACCORDANCE WITH THE SPECIFICATIONS. DO NOT OPERATE OR STORE HEAVY EQUIPMENT OR STORE MATERIALS WITHIN THE DRIPLINES OF TREES OR OUTSIDE THE LIMIT OF GRADING.
7. CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH WITH NO EXPOSED AGGREGATE ON ANY FACE. ALL CONCRETE TO BE MINIMUM 4,000 PSI COMPRESSIVE STRENGTH WITH 5%(+/-1%) AIR ENTRAINMENT. MIXTURES WITH WATER/CEMENT RATIOS AT 0.5 OR BELOW ARE RECOMMENDED. CURB RAMPS, SIDEWALK SLOPES, AND DRIVEWAY RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT LOCAL REQUIREMENTS. IF APPLICABLE, THE CONTRACTOR SHALL REQUEST INSPECTION OF SIDEWALK AND RAMP FORMS PRIOR TO PLACEMENT OF CONCRETE. NO FLY ASH PERMITTED.
8. CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH ACI 303 STANDARD SPECIFICATIONS. CURING COMPOUND SHALL BE APPLIED TO ALL CONCRETE SURFACES IMMEDIATELY AFTER BROOM CONTRACTOR SHALL REJECT CONCRETE IF IT CANNOT BE PLACED WITHIN 90 MINUTES OF BATCH TIME OR WITHIN 75 MINUTES DURING SUMMER HIGH TEMPERATURE CONDITIONS.
9. ALL DAMAGE TO EXISTING ASPHALT PAVEMENT TO REMAIN RESULTING FROM NEW CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AT CONTRACTOR'S EXPENSE.
10. DIMENSIONS ARE TO THE FACE OF CURB, EXPOSED FACE OF WALL, EDGE OF CONCRETE OR TO THE FACE OF BUILDING, UNLESS OTHERWISE NOTED.
11. SCREENED EXISTING CONDITIONS ITEMS INDICATE A PRE-CONSTRUCTION TOPOGRAPHIC SURVEY PROVIDED BY LAWRENCE ASSOCIATES' (704-289-1013) DATED 10/18/2023.
12. CONCRETE PAVEMENT CONTRACTION JOINTS SHALL BE CONSTRUCTED TO A DEPTH OF AT LEAST 1/4 THE CONCRETE THICKNESS, AND SHALL DIVIDE CONCRETE ROUGHLY INTO SQUARES WITH MAXIMUM 10' SEGMENTS. JOINTS CAN BE SAWCUT, FORMED, OR TOOLED.
13. MAINTAIN ONE SET OF MARKED-UP AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE ENGINEER UPON COMPLETION.
14. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR COMPLETED SITE. CONSULT ENGINEER FOR SPECIFIC REQUIREMENTS.
15. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING POSTAL DELIVERY METHOD WITH THE LOCAL JURISDICTION. IF A PHYSICAL MAILBOX IS REQUIRED, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE, LOCATION PLACEMENT, AND INSTALLATION.
16. ALL PAVEMENT MARKINGS, SIGNAGE, AND TRAFFIC CONTROL SHALL CONFORM TO THE LOCAL DEPARTMENT OF TRANSPORTATION AND THE MUTCD STANDARDS, CURRENT EDITION, UNLESS NOTED OTHERWISE.
17. ALL CURBING CURB TO BE PAINTED YELLOW WHERE LESS THAN 6" (TYP)
18. IF PAVEMENT IS CONCRETE, ADD 4" WIDE SAFETY YELLOW STRIPE AT EDGE OF ALL SIDEWALK BORDERING PAVEMENT.

**GENERAL UTILITY NOTES**

1. WATER AND SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL CODES AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL PAY ALL FEES AND OBTAIN PERMITS.
3. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON BEST INFORMATION AVAILABLE. ADDITIONAL UTILITIES MAY BE PRESENT. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS.
4. THE CONTRACTOR SHALL NOTIFY THE STATE ONE-CALL SYSTEM AT (811) AT LEAST THREE WORKING DAYS PRIOR TO ANY EXCAVATION AND/OR DEMOLITION.
5. MAINTAIN 10-FOOT HORIZONTAL AND 24-INCH VERTICAL SEPARATIONS BETWEEN SANITARY SEWER AND WATER SUPPLY LINES.
6. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN 14 DAYS OF MOBILIZATION. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTORS EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM INSTALL UTILITIES PRIOR TO FINAL PAVEMENT CONSTRUCTION.
8. BACKFILL UTILITY TRENCHES UNDER PAVEMENT AREAS WITH CRUSHED STONE OR GRAVEL. BACKFILL UTILITY TRENCHES IN LAWN AREAS WITH SATISFACTORY FILL MATERIAL COMPACTED TO AT LEAST 95% OF MAXIMUM PER ASTM D698.
9. ADJUST ALL EXISTING CASTINGS TO MATCH PROPOSED FINISH GRADE.
10. REFER TO SHEET C3.1 FOR SANITARY SEWER PIPE MATERIALS.
11. REFER TO SHEET C3.1 FOR WATER SERVICE PIPE MATERIALS.
12. CONTRACTOR IS RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (ELECTRIC, WATER, GAS, SEPTIC, SEWER) AS WELL AS PROVIDING ALL INFRASTRUCTURE REQUIRED BY UTILITY COMPANY.
13. SANITARY SEWER CLEANOUT LIDS SHALL BE HEAVY-DUTY RATED WHEN LOCATED IN PAVEMENT AND WHEN ACCESSIBLE BY VEHICLE, AND MEDIUM-DUTY RATED WHEN IN LANDSCAPED AREAS.
14. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR COMPLETED UTILITIES. CONSULT ENGINEER FOR SPECIFIC REQUIREMENTS. TOP OF PIPE ELEVATIONS WILL BE REQUIRED FOR WATER AND SEWER AT ALL BENDS, APPURTENANCES, FITTINGS, ETC. FOR AS-BUILT SURVEY.
15. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR ALL PRECAST SANITARY STRUCTURES FOR APPROVAL, PRIOR TO PURCHASING.

**GRADING AND DRAINAGE NOTES**

1. TOPSOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS. STOCKPILED AND REDISTRIBUTED OVER GRADED AREAS TO A MINIMUM DEPTH OF 6 INCHES. MAKE STOCKPILES FREE DRAINING AND PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES.
2. SATISFACTORY TOPSOIL IS DEFINED AS SOIL BEING FREE OF SUBSOIL, CLAY LUMPS, STONES, OTHER OBJECTS OVER 1 INCH IN DIAMETER, OR CONTAMINANTS.
3. ALL GRADED AREAS SHALL BE HAVE STABILIZATION APPLIED WITHIN 15 DAYS AFTER GRADING IS COMPLETED.
4. STABILIZED AREAS SHALL HAVE NO BARE SPOTS.
5. ALL SITE OPEN SPACE NOT OTHERWISE PAVED TO BE STABILIZED PER LANDSCAPE PLAN L2.1.
6. AFTER STRIPPING TOPSOIL, PROOFROLL SUBGRADE WITH A LOADED DUMP TRUCK WITH A MINIMUM WEIGHT OF 16 TONS.
7. FINISH GRADE TOLERANCES ARE 0.10 FOOT ABOVE OR BELOW DESIGN ELEVATIONS.
8. THE CONTRACTOR SHALL PROTECT ALL TREES DESIGNATE TO REMAIN. DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE/STORE MATERIALS WITHIN DRIPLINES OF TREES.
9. TOP OF GRATE ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE CENTER OF THE INLETS AT THE FACE OF CURB. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADE. ADJUST THE CASTING TO FALL ALONG THE CURB LINE.
10. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, PROTECT UTILITIES TO REMAIN, AND REPAIR CONTRACTOR-CAUSED DAMAGE ACCORDING TO LOCAL STANDARDS AT CONTRACTOR'S EXPENSE
11. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED EXCAVATION/UTILITY TRENCHING OPERATIONS. SEE GENERAL UTILITY NOTE #4 ON THIS SHEET FOR PHONE NUMBER.
12. IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
13. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS.
14. SPOT ELEVATIONS AND CONTOURS REPRESENT PROPOSED FINISHED GRADE AND TOP OF FINISHED PAVEMENT.
15. CONTRACTORS SHALL VERIFY EXISTING ELEVATIONS AND INVERTS PRIOR TO BEGINNING WORK.
16. EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE OWNER'S PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER.
17. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING GRADING DESIGN AND REFLECT THE PLANNED INTENT WITH REGARD TO DRAINAGE. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THIS INTENT OR ANY PROBLEMS WITH THE CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED PRIOR TO BEGINNING WORK.
18. ALL CURBS AND SIDEWALKS SHALL BE BACKFILLED FLUSH WITH TOPSOIL, AND SEEDED AND MULCHED UNLESS OTHERWISE NOTED.
19. ALL PIPES UNDER PAVED AREAS SHALL BE BACKFILLED WITH CRUSHED STONE. ALL PIPES UNDER LAWN AREAS SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL, COMPACTED TO 95% OF MAXIMUM PER ASTM D698.
20. SCREENED EXISTING CONDITIONS ITEMS INDICATE A PRE-CONSTRUCTION TOPOGRAPHIC SURVEY PROVIDED BY LAWRENCE ASSOCIATES' (704-289-1013) DATED 10/18/2023.
21. SEE EXISTING CONDITIONS PLAN AND DEMOLITION PLAN FOR ANY ITEMS THAT HAVE BEEN DEMOLISHED, IF APPLICABLE, THAT MAY NOT BE SHOWN ON GRADING AND DRAINAGE PLANS.
22. MAXIMUM SLOPES IN ALL DIRECTIONS OF HANDICAP PARKING SPACES/ISLES SHALL NOT EXCEED 2%
23. EARTHWORK FILL SHALL INCLUDE STRIPPING TOPSOIL AND PLACING ENGINEERED FILL IN MAXIMUM 8" LOOSE MATERIAL LIFTS AND COMPACTED TO MAXIMUM DRY DENSITY OF 98% OF STANDARD PROCTOR DENSITY (ASTM D698).
24. FINISHED GRADE AT EXTERIOR WALLS SHALL BE A MINIMUM OF 6 INCHES BELOW FINISHED FLOOR AT ALL NON PAVED AREAS.
25. ALL HDPE STORM PIPE SHALL BE ADS N-12 ST 18 OR APPROVED EQUIVALENT
26. STORM CLEANOUT LIDS SHALL BE HEAVY-DUTY RATED WHEN LOCATED IN PAVEMENT AND WHEN ACCESSIBLE BY VEHICLE, AND MEDIUM-DUTY RATED WHEN IN LANDSCAPED AREAS.
27. ALL SUBGRADE PREPARATION WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY ECS SOUTHEAST, LLC PROJECT NO. 08-15667, DATED 11/07/2023.
28. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR ALL PRECAST STORM STRUCTURES FOR APPROVAL, PRIOR TO PURCHASING

**CONSTRUCTION CLOSE-OUT**

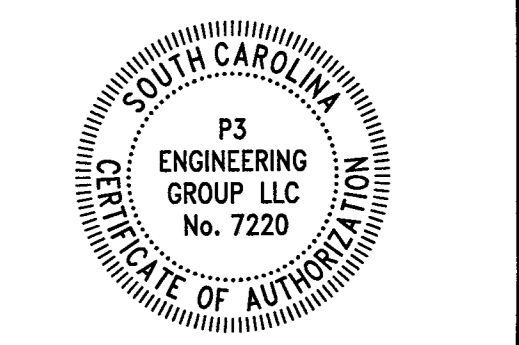
1. MAINTAIN ONE SET OF MARKED-UP AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE ENGINEER UPON COMPLETION.
2. ANY PLAN SUBSTITUTIONS THAT ARE NOT PREVIOUSLY APPROVED AND FOUND TO BE UNACCEPTABLE BY CIVIL ENGINEER & / OR LANDSCAPE ARCHITECT ARE TO BE RECONSTRUCTED AT CONTRACTOR'S EXPENSE.
3. ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE COMPLETION OF THIS WORK.
4. REPAIR OR REPLACE DAMAGE TO EXISTING FACILITIES (CURBS, PAVEMENT, UTILITIES, ETC.) DESIGNATED TO REMAIN, AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSES, FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK, SHALL BE REMOVED AND REPLACED IN AN ACCEPTABLE MANNER, AS REQUIRED BY THE ENGINEER AND/OR LANDSCAPE ARCHITECT AT THE CONTRACTORS EXPENSE. WORK DONE CONTRARY TO THE INSTRUCTIONS OF THE ENGINEER AND/OR LANDSCAPE ARCHITECT, WORK DONE BEYOND THE LINES SHOWN ON THE PLANS, OR ANY EXTRA WORK DONE WITHOUT AUTHORITY WILL NOT BE PAID FOR.
6. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENT SHALL BE REESTABLISHED BY A LICENSED SURVEYOR IN THE STATE OF THE PROJECT.
7. CONTRACTOR TO VERIFY UTILITY FINAL ACCEPTANCE PROCESS AND COORDINATE WITH THE APPROPRIATE PARTIES. THESE TASKS CAN INCLUDE, BUT ARE NOT LIMITED TO:
  - 7.1. AS-BUILTS
  - 7.2. INSPECTIONS
  - 7.3. TESTING
  - 7.4. CLEANING
  - 7.5. EASEMENT RECORDATION
  - 7.6. OPERATIONS AND MAINTENANCE AGREEMENT
8. CONTRACTOR TO VERIFY GRADING AND DRAINAGE FINAL ACCEPTANCE PROCESS AND COORDINATE WITH THE APPROPRIATE PARTIES. THESE TASKS CAN INCLUDE, BUT ARE NOT LIMITED TO:
  - 8.1. AS-BUILTS
  - 8.2. INSPECTIONS
  - 8.3. EASEMENT RECORDATION
  - 8.4. OPERATIONS AND MAINTENANCE AGREEMENT
9. CONTRACTOR TO VERIFY LANDSCAPE FINAL ACCEPTANCE PROCESS AND COORDINATE WITH THE APPROPRIATE PARTIES. THESE TASKS CAN INCLUDE, BUT ARE NOT LIMITED TO:
  - 9.1. AS-BUILTS
  - 9.2. INSPECTIONS
  - 9.3. MATERIALS APPROVAL BY LANDSCAPE ARCHITECT.
  - 9.4. PLANTING LOCATIONS IN REFERENCE TO AS-BUILT UTILITY LOCATIONS (NO TREE PLANTED WITH 10' OF ANY UTILITY LINES)

**SCDHEC EROSION AND SEDIMENT CONTROL STANDARD NOTES**

- A. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- B. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
  - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- C. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- D. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY STORMWATER SYSTEMS, WATER COURSES, AND WATERS OF THE STATE (WGS) OR WATERS OF THE UNITED STATES (WOU.S.).
- E. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- F. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- G. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCR100000.
- H. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OULETS.
- I. ALL WGS OR WOU.S., INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WGS AND A 130-FOOT MINIMUM BUFFER FOR A WOU.S. A 25-FOOT NO DISTURBANCE ZONE SHALL BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WGS AND A MINIMUM 50-FOOT NO DISTURBANCE ZONE FOR WOU.S. BUFFERS AND NO DISTURBANCE ZONES SHALL BE MEASURED FROM TOP OF CREEK BANK.
- J. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- K. A COPY OF THE SWPPP (INCLUDING CIVIL CONSTRUCTION PLANS AND SUPPORTING DOCUMENTS), INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- L. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR
- M. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL FOR REUSE.
- N. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- O. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- P. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- Q. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- R. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.)
- S. A CONCRETE WASHOUT HAS BEEN SHOWN ON THE PLANS AND ON THE STANDARD DETAILS. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS. DO NOT DISPOSE OF CONCRETE WASHOUT WASTE BY DUMPING INTO A SANITARY SEWER, STORM DRAIN, OR ONTO SOIL OR PAVEMENT THAT CARRIES WATER RUNOFF.
- T. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
  - T.A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
  - T.B. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS;
  - T.C. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
  - T.D. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- U. ALL CHEMICAL SPILLS, OIL SPILLS, OR FISH KILLS MUST BE REPORTED TO SCDHEC LAND & WASTE MANAGEMENT EMERGENCY RESPONSE - CALL THE 24-HOUR EMERGENCY RESPONSE LINE AT 1-888-481-0125.
- V. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION WORKERS AND SITE VISITORS IN ACCORDANCE WITH 2006 INTERNATIONAL PLUMBING CODE GENERAL REGULATION, SECTION 311. PORTABLE FACILITIES SHALL BE PLACED ON LEVEL GROUND AWAY FROM STORM DRAINAGE SYSTEMS (DITCHES, CATCH BASINS, ETC.). DISPOSAL AND HANDLING OF SANITARY WASTE MUST COMPLY WITH SCDHEC REQUIREMENTS.
- W. FINAL GRADES FOR GRASSED AND LANDSCAPED AREAS SHALL REQUIRE A MINIMUM 4" OF CLEAN TOPSOIL, FREE OF DEBRIS AND CONTAMINANTS, AND PREFERABLY OF NATIVE ORIGIN.

**ABBREVIATIONS**

@	AT
¢	CENTERLINE
℞	PROPERTY LINE
Ø	DIAMETER
±	APPROXIMATE
AHJ	AUTHORITY HAVING JURISDICTION
APPROX	APPROXIMATE
ARCH	ARCHITECTURE
BC	BOTTOM OF CURB
BLDG	BUILDING
BTM	BOTTOM
CO	CLEANOUT
E	EAST
ELEV	ELEVATION
F	FLUSH
FES	FLARED END SECTION
FM	FORCEMAIN
FT	FOOT
HDPE	HIGH-DENSITY POLYETHYLENE
IE	INVERT ELEVATION
IN	INCH
LF	LINEAR FEET
MEF	MATCH EXISTING FINISHED GRADE
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MH	MANHOLE
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
OC	ON CENTER
PVC	POINT OF CONNECTION
POC	POLYVINYL CHLORIDE
R	RADIUS
S	SLOPE / SOUTH
SCDOT	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
SCDHEC	SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
SS	SANITARY SEWER/ STAINLESS STEEL
SW	SIDEWALK
T/C	TOP OF CURB
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W	WEST
WQV	WATER QUALITY VOLUME
WSE	WATER SURFACE ELEVATION
WT	WATER



**P3 ENGINEERING GROUP**

701 BROCKINGTON LN  
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LOS MARIACHIS  
1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE:	03/26/2024
REVISIONS:	
▲ CITY COMMENTS	07/16/2024
▲ BUILDING AREA	07/25/2024
▲ FIRE SERVICE	10/18/2024
▲ ARUNDEL DRIVEWAY	12/16/2024
▲ ARUNDEL FIRE ACCESS	01/20/2025
PROJ. NO.:	23001

NOTES SHEET

**C0.2**

**PARKING CALCULATIONS**

PROPOSED USE	AREA (SF)	REQUIRED PARKING	SEATS	EMPLOYEES	REQUIRED SPACES	PROVIDED SPACES
RESTAURANT (NO DRIVE-IN)	4,259	1 / 3 SEATS + 1 / 2 EMPLOYEES	124	8	45	45 (INCLUDING 2 HC)

**FLOOD MAP INFO**

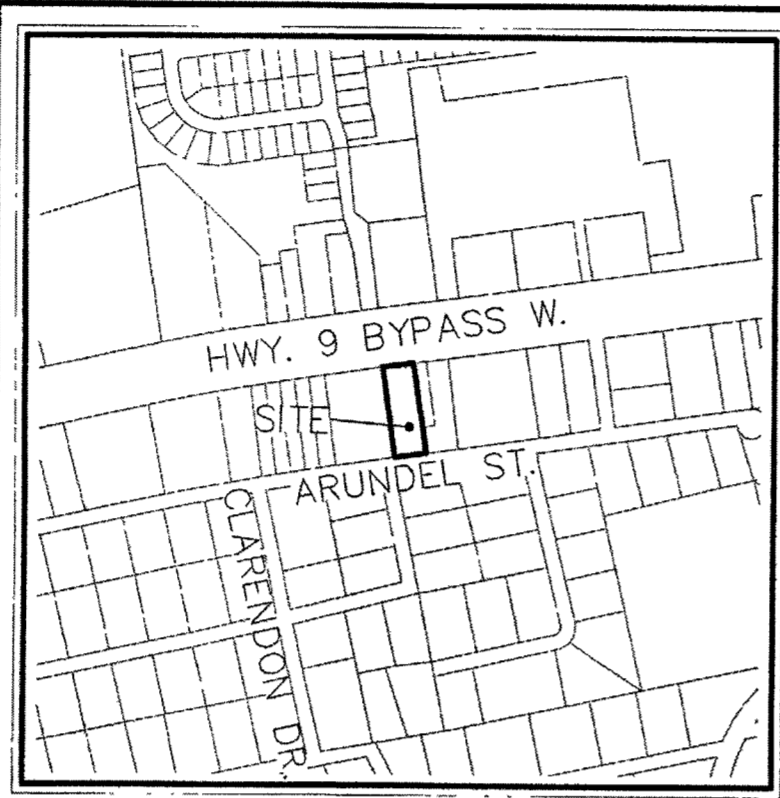
PER F.I.R.M. NO. 45057C0231E, EFFECTIVE 05/16/2017, THE PROJECT SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA.

**DATUM INFORMATION**

ELEVATIONS SHOWN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD89).

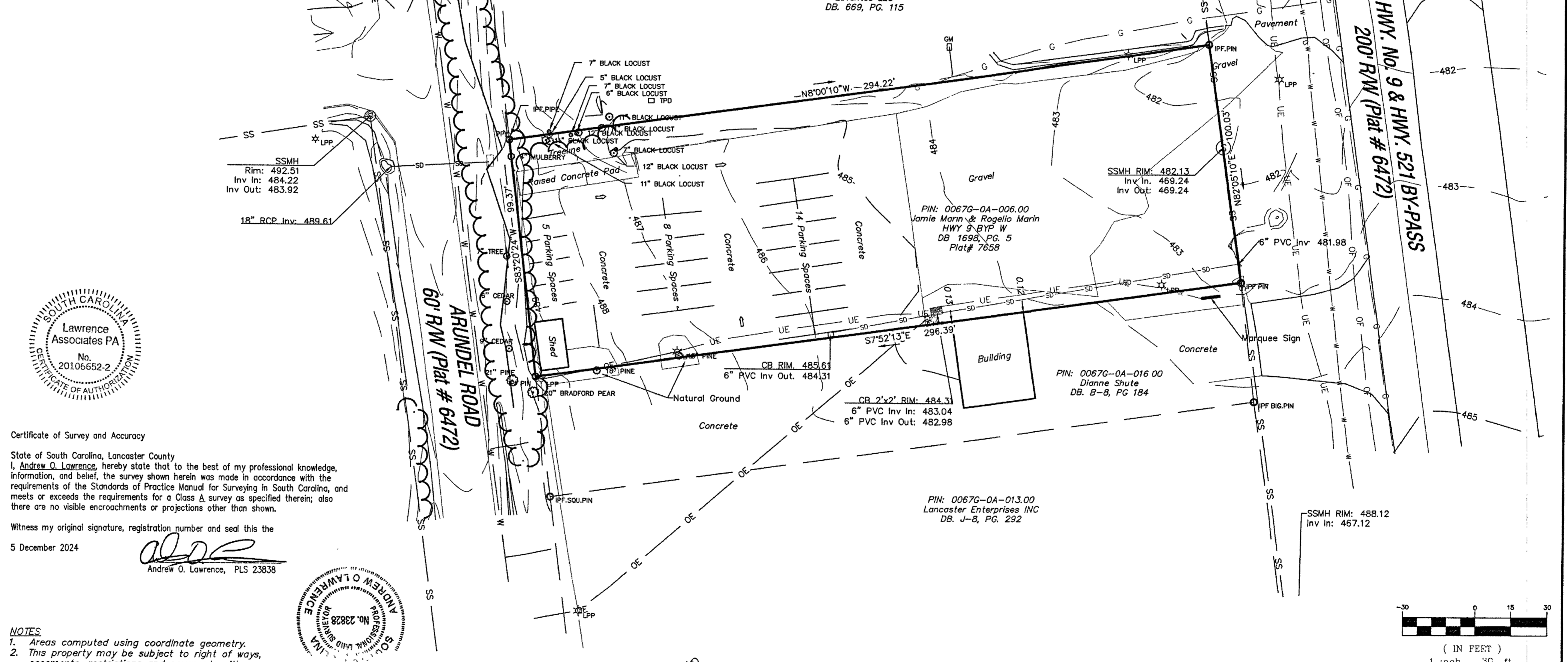
**STRIPING LEGEND**

YELLOW CURBING AND BOLLARDS - PARKING LOT:	SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF RUST. TWO COATS SHERWIN WILLIAMS - KEM4000 ACRYLIC ALKYD ENAMEL SAFETY YELLOW B55Y300
STRIPING - PARKING LOT:	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT YELLOW TMS495
HANDICAP STRIPING - PARKING LOT:	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT "H.C." BLUE AND WHITE.
FIRE LANE STRIPING - PARKING LOT:	SURFACES SHOULD BE CLEAN, DRY. STRIPING TO BE PAINTED RED, AND "FIRE LANE NO PARKING" TO BE PAINTED RED OR WHITE. COORDINATE AND CONFIRM SPACING AND PAINT COLOR WITH CITY FIRE MARSHAL INSPECTOR, CALL TOM LEVER AT 803-263-4385

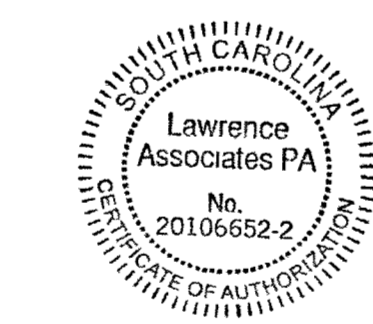


Vicinity Map (NTS)

Flood Certification  
 I have examined the Flood Insurance Rate Map for Lancaster County South Carolina, Community Panel Number 4505700231 E, dated May 16, 2017, and hereby certify that this property is not located in a special flood hazard area as determined by the Federal Emergency Management Agency.



Legend	
Telephone Line ..	T
Power Line .....	the
Power pole .....	PP
Sewer Clean out	CO
Curb Inlet	CI
Guy Wire	GW
Light pole	LP
Fire hydrant ..	FH
Telephone pedestal	TPD
Gas meter	GM
Water valve .....	WV
Flood Zone .....	ZZZ
Public Drainage Esmt.	PDE
Iron Pin Found	IPF
Iron Pin Set	IPS
Computed Point	CP
Right of Way	---
Gas Line	G
Underground Electric	UE
Underground Telephone	UT
Underground Fiber Optic	FO
Water (Existing)	W



Certificate of Survey and Accuracy  
 State of South Carolina, Lancaster County  
 I, Andrew O. Lawrence, hereby state that to the best of my professional knowledge, information, and belief, the survey shown herein was made in accordance with the requirements of the Standards of Practice Manual for Surveying in South Carolina, and meets or exceeds the requirements for a Class A survey as specified therein; also there are no visible encroachments or projections other than shown.  
 Witness my original signature, registration number and seal this the  
 5 December 2024  
 Andrew O. Lawrence, PLS 23838

- NOTES
1. Areas computed using coordinate geometry.
  2. This property may be subject to right of ways, easements, restrictions and covenants either recorded or implied.
  3. All distances shown are horizontal ground distances.
  4. Rebar set at all corners unless otherwise noted.
  5. Broken lines indicate property lines not surveyed.
  6. All adjoining property owner information is taken from current deeds and tax records and are considered as "Now or Formerly".
  7. Lawrence Associates makes no guarantees to the compaction or to the nonexistence of spoils areas.
  8. Other underground utilities may exist but their locations are not known.
  9. This map was prepared without the benefit of a title search Subject to full title search.



SC Grid  
 State Plane Coordinate values were obtained using a Trimble GPS using Virtual Reference Stations

**LAWRENCE ASSOCIATES**  
 106 W. Jefferson St.  
 Monroe, North Carolina 28112  
 P 704-289-1013  
 www.lawrencesurveying.com  
 Firm License Number: C-2856

**Boundary & Physical Survey For**  
**Jamie Marin & Rogelio Marin**  
 City of Lancaster, Lancaster County, SC

Orig. scale: 1" = 30' Date: October 18, 2023 Drawn By: BHV

REVISIONS
BHV 12-5-24

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**DEMOLITION LEGEND**

X	REMOVE TREE
[Hatched Box]	REMOVE ASPHALT
[Cross-hatched Box]	REMOVE CONCRETE
[Diagonal Hatched Box]	REMOVE GRAVEL
[Dotted Box]	REMOVE BUILDING, FLOOR, FOUNDATION, FOOTINGS, ALL ASSOCIATED UTILITIES, ETC
[Dashed Line]	REMOVE UTILITY
[Dash-dot Line]	SAWCUT PAVEMENT
[Dashed Line with Circles]	REMOVE FENCE
[Line with Circles]	TREE PROTECTION FENCE
[Thick Line]	REMOVE STRUCTURE

PROVIDE TRAFFIC CONTROL PER SCDOT NOTES AND DETAILS BELOW ON SC HWY 9 AND ARUNDEL ROAD AS NEEDED AND AS DIRECTED BY CITY AND SCDOT FOR WORK WITHIN ROW.

**REFERENCES**

**FLAGGING OPERATIONS GENERAL NOTES**

(ALL NOTES, SPECIFICATIONS AND REQUIREMENTS ON THIS STANDARD DRAWING APPLY TO ALL SUBSEQUENT STANDARD DRAWINGS REGARDING FLAGGING OPERATIONS UNLESS OTHERWISE NOTED)

**FLAGGING OPERATIONS**

1. ALL FLAGGING OPERATIONS SHALL BE IN ACCORDANCE WITH THE SCDOT STANDARD DRAWING 610-005-10, LATEST EDITION, UNLESS OTHERWISE SPECIFIED.

**WORK ZONE TRAFFIC CONTROL ENGINEER**

**SCDOT**

**TABLE A**

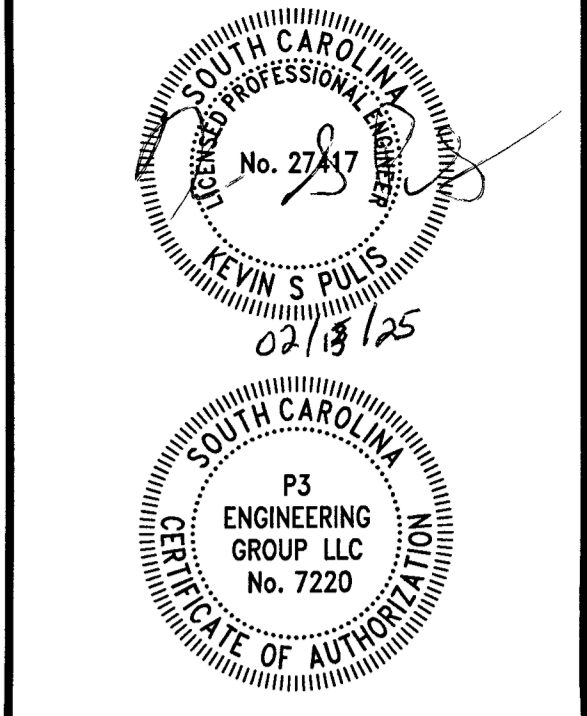
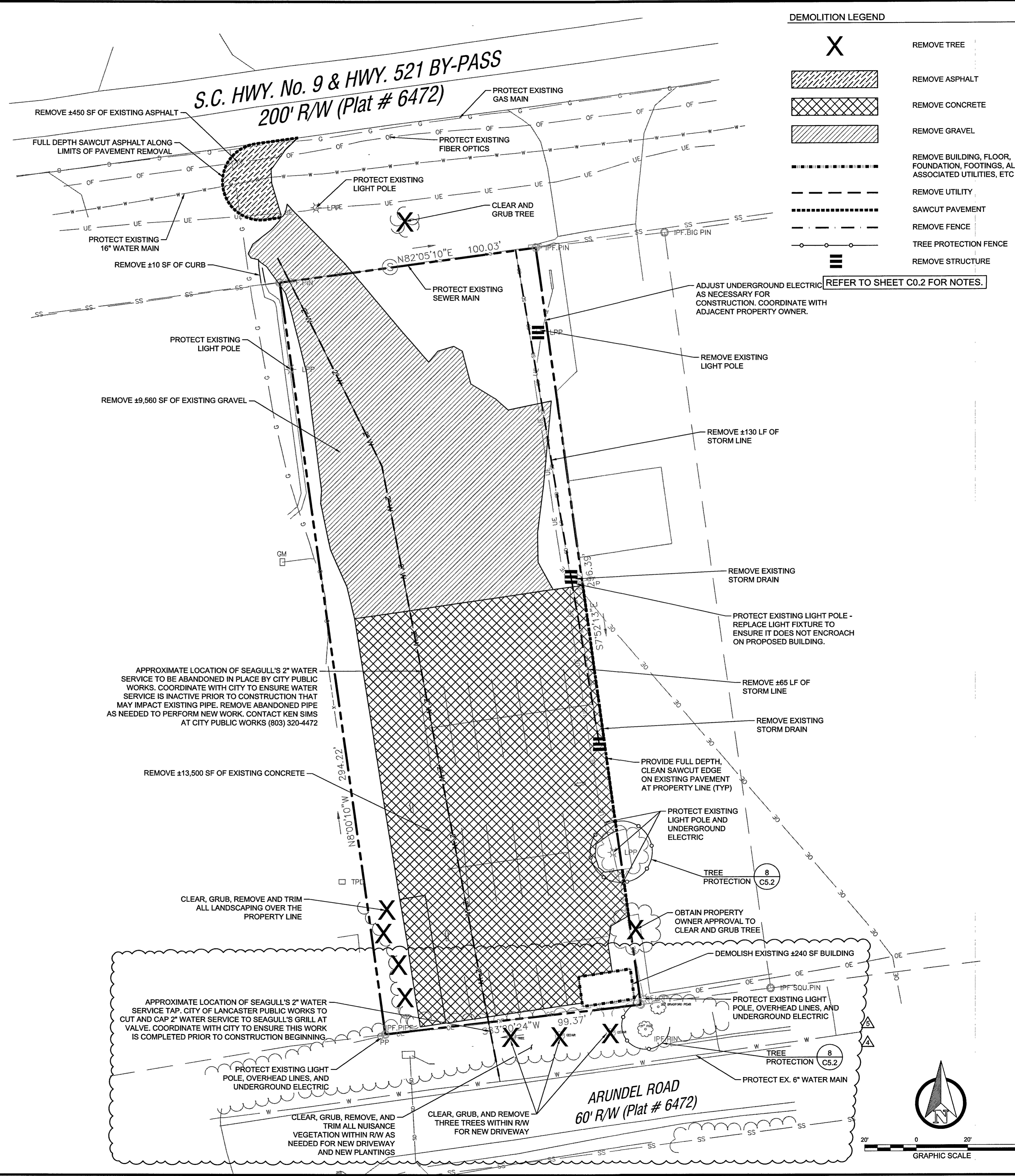
SPEED LIMIT	SPACING INTERVALS
≤ 25 MPH	300
30 - 35 MPH	350
40 - 45 MPH	400
50 - 55 MPH	450
60 - 65 MPH	500

**TABLE B**

TRAFFIC CONTROL DEVICE SPACING INTERVALS	WORK ACTIVITY / BUFFER SPACE INTERVALS
≤ 35 MPH	35 FEET
40 - 55 MPH	50 FEET

**TABLE C**

TRAFFIC CONTROL DEVICE SPACING INTERVALS	WORK ACTIVITY / BUFFER SPACE INTERVALS
≤ 35 MPH	35 FEET
40 - 55 MPH	50 FEET



**P3 ENGINEERING GROUP**

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**LOS MARIACHIS**

1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE: 03/26/2024

REVISIONS:

CITY COMMENTS	07/16/2024
BUILDING AREA	07/25/2024
FIRE SERVICE	10/18/2024
ARUNDEL DRIVEWAY	12/18/2024
ARUNDEL FIRE ACCESS	01/20/2025

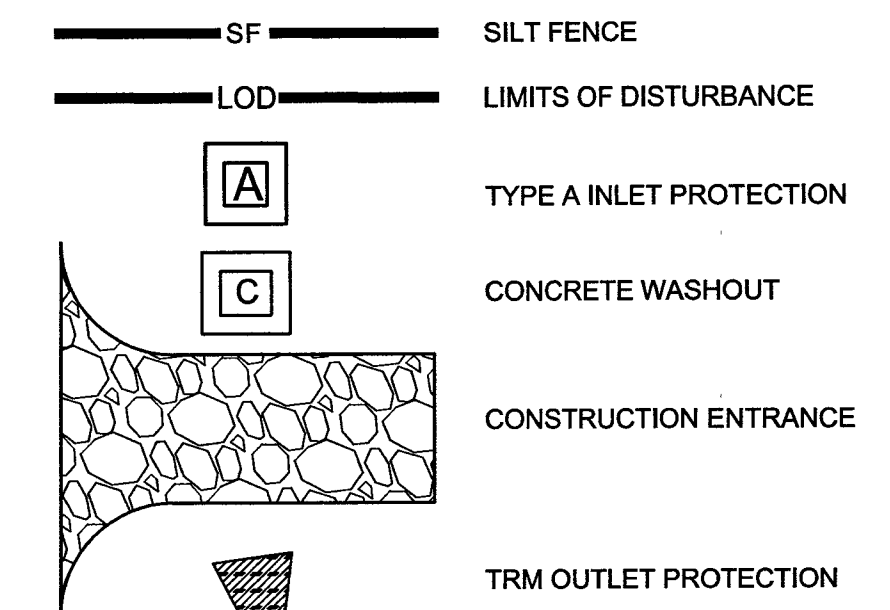
PROJ. NO.: 23001

DEMOLITION PLAN

**C1.2**

IF THIS SHEET DOES NOT MEASURE 24"x36", IT HAS BEEN ENLARGED OR REDUCED. PLEASE ADJUST SCALE ACCORDINGLY.

EROSION AND SEDIMENT CONTROL LEGEND



CONSTRUCTION SEQUENCE

- OBTAIN ALL STATE AND LOCAL PERMITS
- ENGINEER, CONTRACTOR, AND OWNER TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF LANCASTER ON SITE.
- SURVEY LIMITS OF DISTURBANCE PRIOR TO CONSTRUCTION. NO CONSTRUCTION SHALL OCCUR BEYOND THAT POINT.
- INSTALL CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE BEFORE ANY OTHER WORK CAN OCCUR ON THE SITE.
- CONTINUOUSLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL ITEMS. ALL AREAS THAT WILL GO UNWORKED FOR 14 DAYS OR MORE MUST BE STABILIZED IMMEDIATELY.
- UPON INSPECTION AND APPROVAL BY THE CITY OF LANCASTER.
- CONTINUE TO CONTINUOUSLY MAINTAIN AND CLEAN ALL SEDIMENT CONTROL DEVICES. INSPECT ALL MEASURES ONCE PER WEEK AND AFTER EACH RAINFALL.
- CONTINUE WITH GRADING AND STORM DRAINAGE INSTALLATION. INSTALL ALL INLET PROTECTION DEVICES ON STORM WATER INLETS IMMEDIATELY AFTER THEIR INSTALLATION.
- STABILIZE ALL AREAS AS THEY ARE BROUGHT UP TO GRADE. ANY VEGETATED AREAS THAT ARE BROUGHT TO GRADE SHALL IMMEDIATELY BE PERMANENTLY STABILIZED REFER TO SHEET L2.1 FOR THE PERMANENT STABILIZATION PLAN.
- UPON ESTABLISHMENT OF A MINIMUM OF 70% UNIFORM SITE STABILIZATION, SUBMIT NOTICE OF TERMINATION (NOT) TO THE ENGINEER, CITY OF LANCASTER, AND SCDHEC FOR APPROVAL PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.

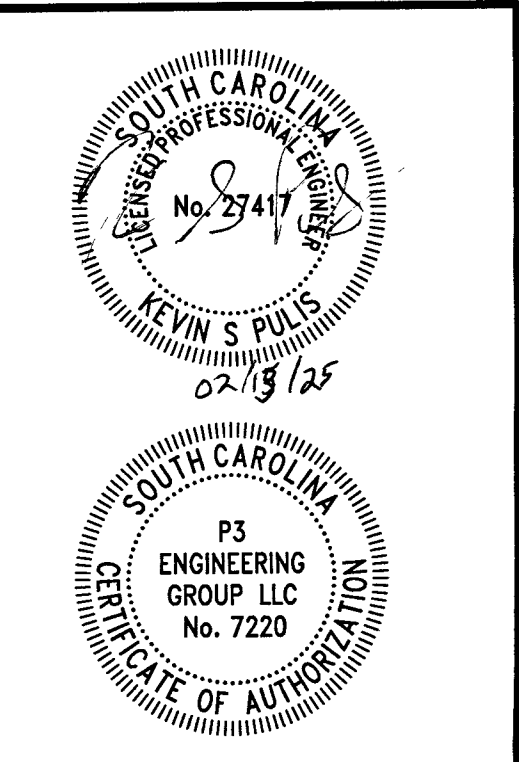
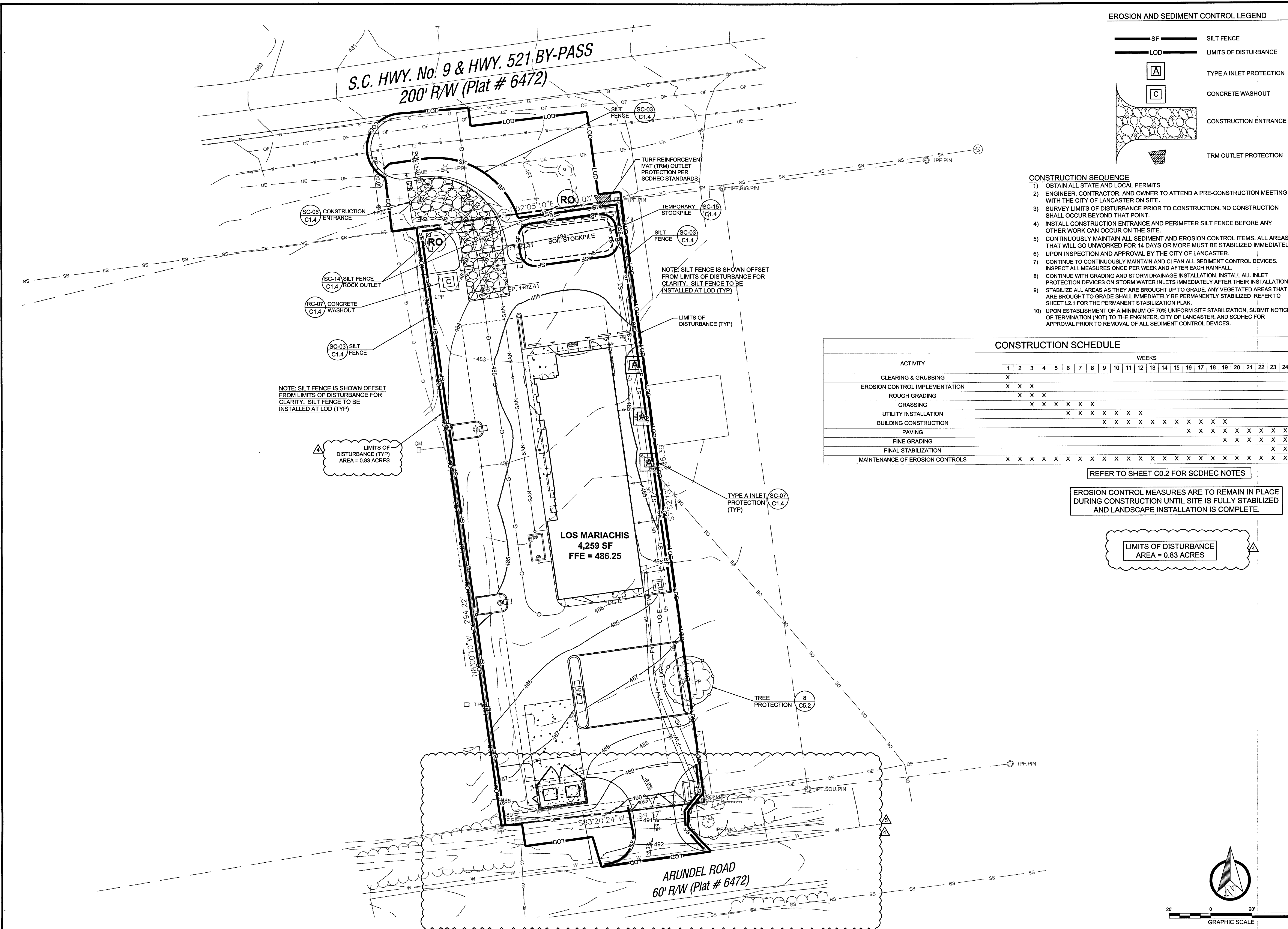
CONSTRUCTION SCHEDULE

ACTIVITY	WEEKS																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
CLEARING & GRUBBING	X																											
EROSION CONTROL IMPLEMENTATION	X	X	X																									
ROUGH GRADING		X	X	X																								
GRASSING			X	X	X	X	X	X																				
UTILITY INSTALLATION						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
BUILDING CONSTRUCTION										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PAVING																					X	X	X	X	X	X	X	
FINE GRADING																					X	X	X	X	X	X	X	
FINAL STABILIZATION																											X	
MAINTENANCE OF EROSION CONTROLS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

REFER TO SHEET C0.2 FOR SCDHEC NOTES

EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE DURING CONSTRUCTION UNTIL SITE IS FULLY STABILIZED AND LANDSCAPE INSTALLATION IS COMPLETE.

LIMITS OF DISTURBANCE AREA = 0.83 ACRES



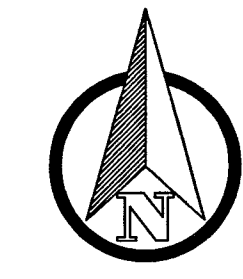
701 BROCKINGTON LN  
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PROJ. NO.: 23001

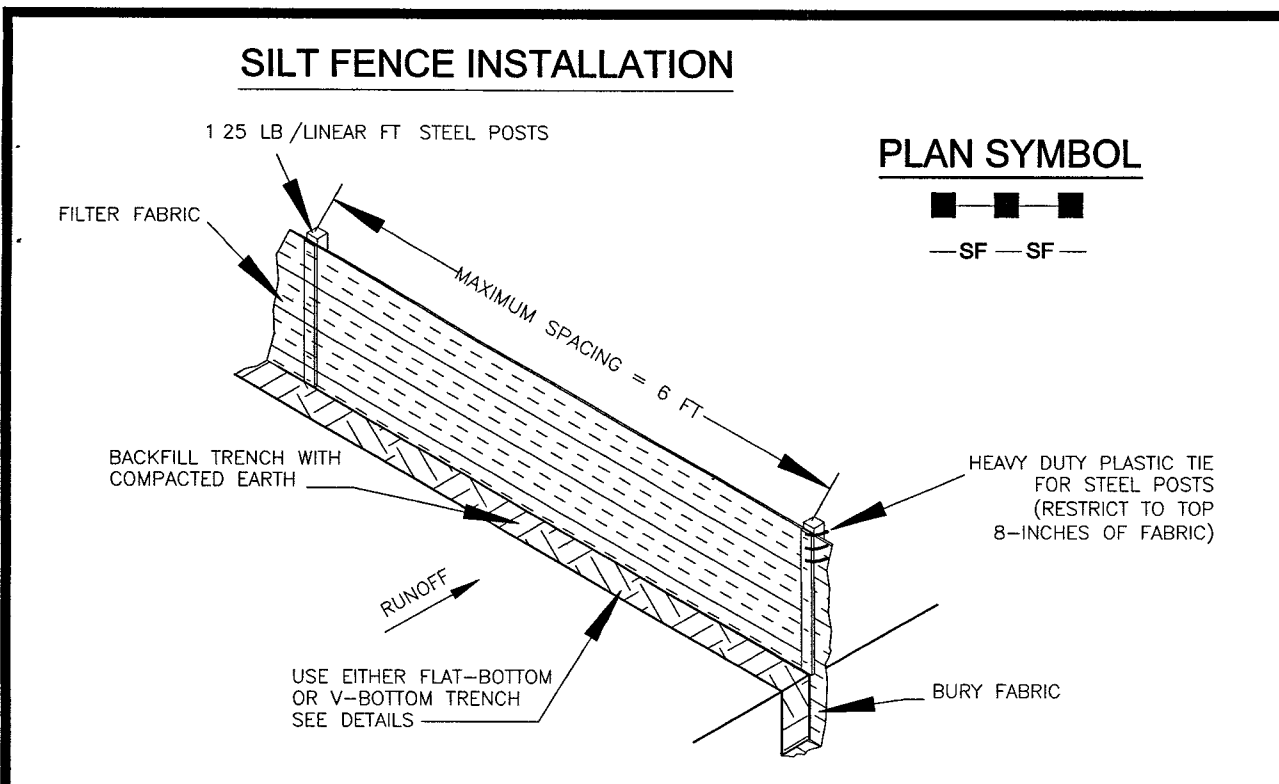
EROSION & SEDIMENT CONTROL PLAN



C1.3

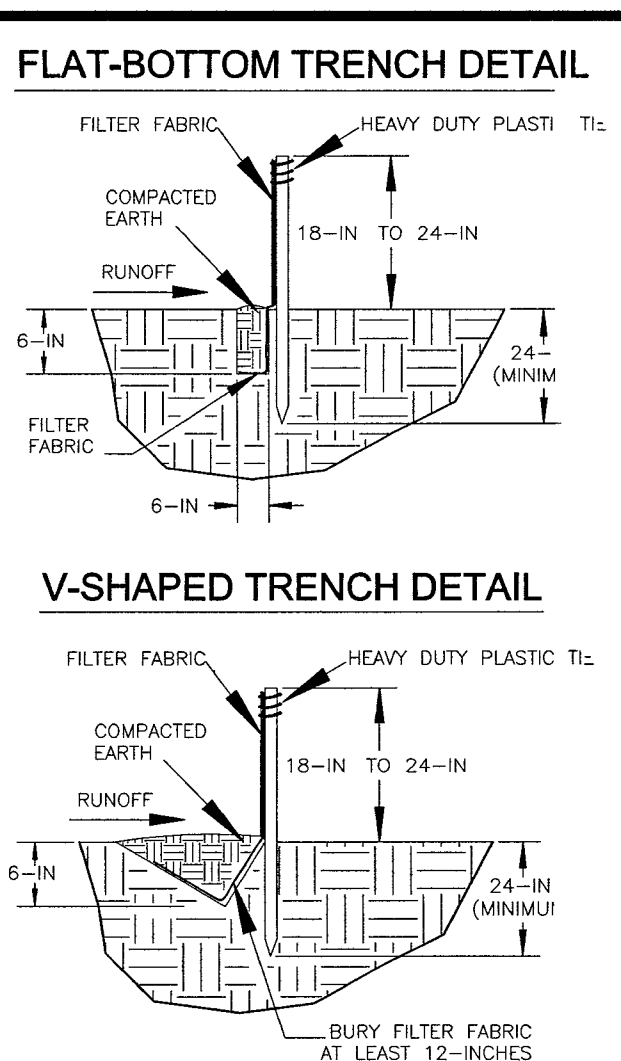
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IF THIS SHEET DOES NOT MEASURE 24"x36", IT HAS BEEN ENLARGED OR REDUCED. PLEASE ADJUST SCALE ACCORDINGLY.



**SILT FENCE - GENERAL NOTES**

- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
- Maximum sheet or overlaid flow path length to the silt fence shall be 100-feet.
- Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
- Silt fence joints, when necessary, shall be completed by one of the following options:
  - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap;
  - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
  - Overlap entire width of each silt fence roll from one support post to the next support post.
- Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
- Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the top of steep slopes to provide sediment storage and access for maintenance and cleanout.
- Install Silt Fence Checks (Tea-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

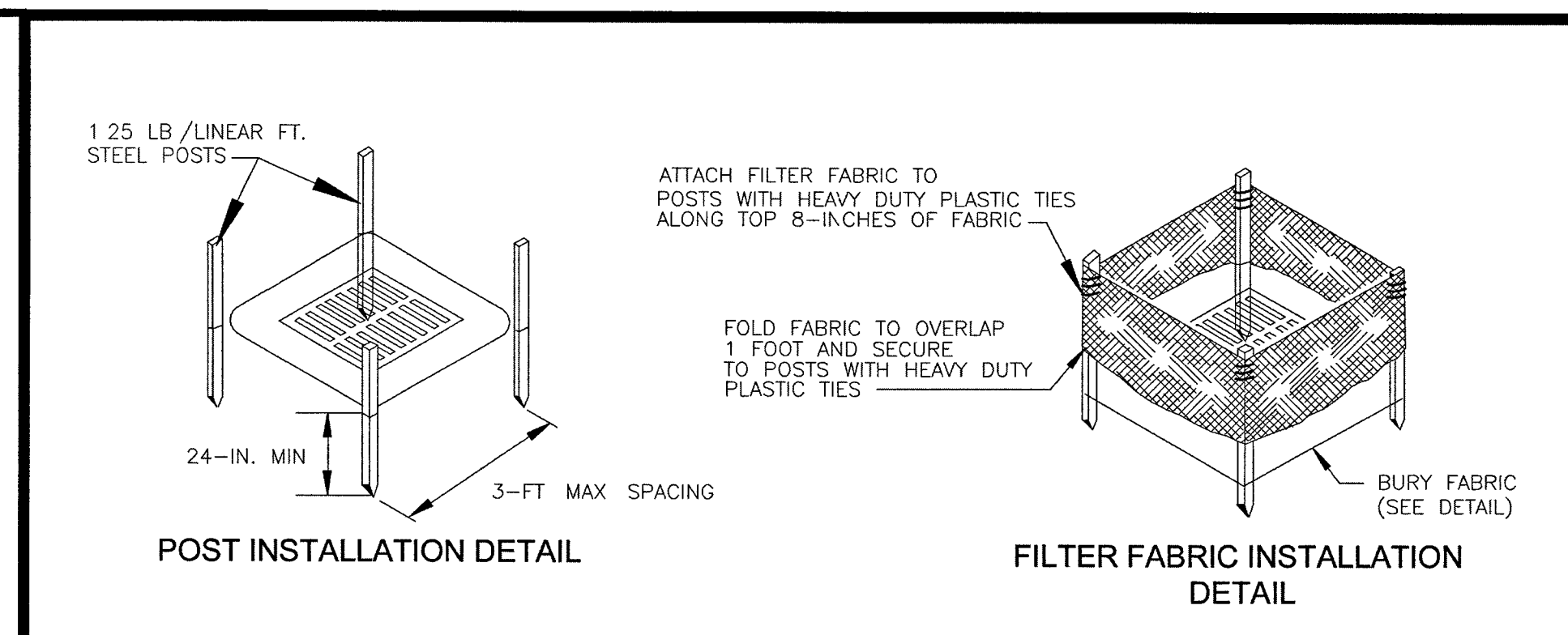


**South Carolina Department of Health and Environmental Control**

**SILT FENCE**

STANDARD DRAWING NO SC-03 Page 1 of 2

NOT TO SCALE



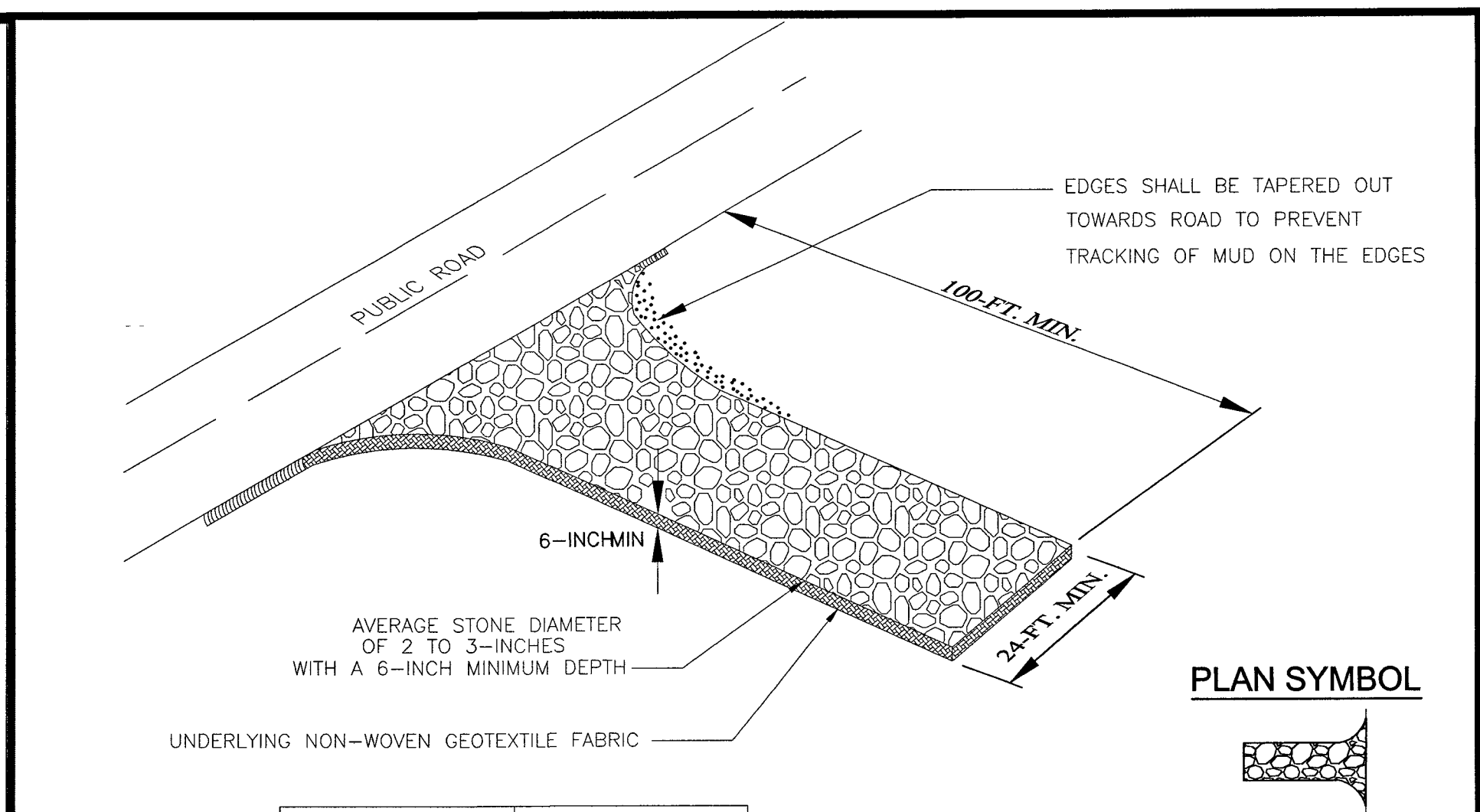
**South Carolina Department of Health and Environmental Control**

**Type A**

**FILTER FABRIC INLET PROTECTION**

STANDARD DRAWING NO SC-07 PAGE 1 of 2

NOT TO SCALE



**South Carolina Department of Health and Environmental Control**

**CONSTRUCTION ENTRANCE**

STANDARD DRAWING NO SC-06 PAGE 1 of 2

NOT TO SCALE

**SILT FENCE - POST REQUIREMENTS**

- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
  - Composed of a high strength steel with a minimum yield strength of 50,000 psi;
  - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches;
  - Weight 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 6-feet on center.

**South Carolina Department of Health and Environmental Control**

**SILT FENCE**

STANDARD DRAWING NO SC-03 Page 2 of 2

NOT TO SCALE

**TYPE A - FILTER FABRIC REQUIREMENTS**

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
  - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
  - Free of any treatment or coating which might adversely alter its physical properties after installation;
  - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
  - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and laid in when the trench is backfilled.
- Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter Fabric shall be installed at a minimum of 24-inches above the ground.

**CONSTRUCTION ENTRANCE - GENERAL NOTES**

- Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
- Install a non-woven geotextile fabric prior to placing any stone.
- Install a culvert pipe across the entrance when needed to provide positive drainage.
- The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
- Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
- The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
- Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
- Limestone may not be used for the stone pad.

**SILT FENCE - FABRIC REQUIREMENTS**

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
  - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
  - Free of any treatment or coating which might adversely alter its physical properties after installation;
  - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
  - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter Fabric shall be installed at a minimum of 24-inches above the ground.

**South Carolina Department of Health and Environmental Control**

**SILT FENCE**

STANDARD DRAWING NO SC-03 PAGE 2 of 2

GENERAL NOTES

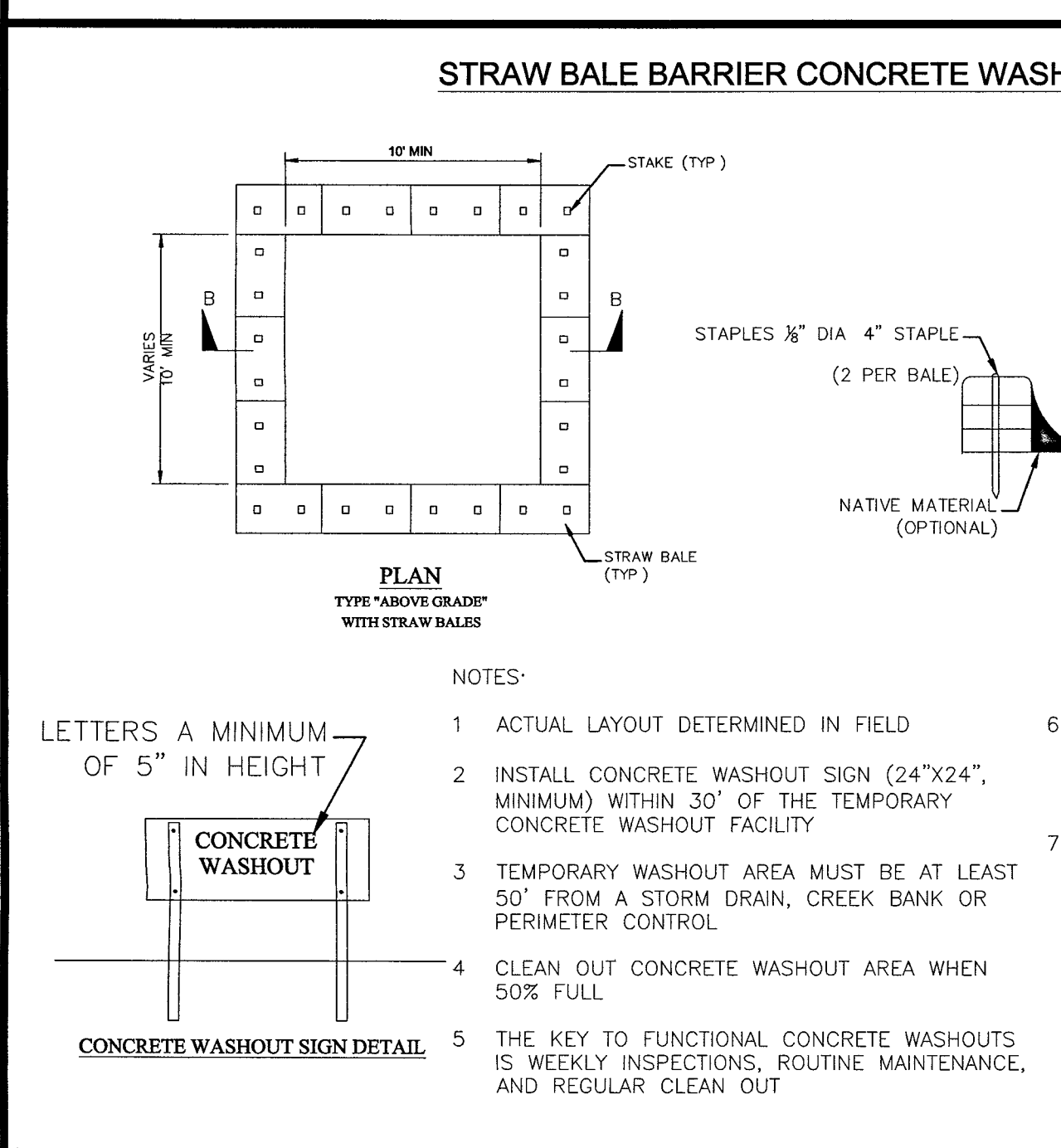
FEBRUARY 2014 DATE

**TYPE A - POST REQUIREMENTS**

- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
  - Composed of a high strength steel with a minimum yield strength of 50,000 psi;
  - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches;
  - Weight 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 3-feet on center.

**CONSTR. ENTRANCE - INSPECTION & MAINTENANCE**

- The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
- Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
- Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

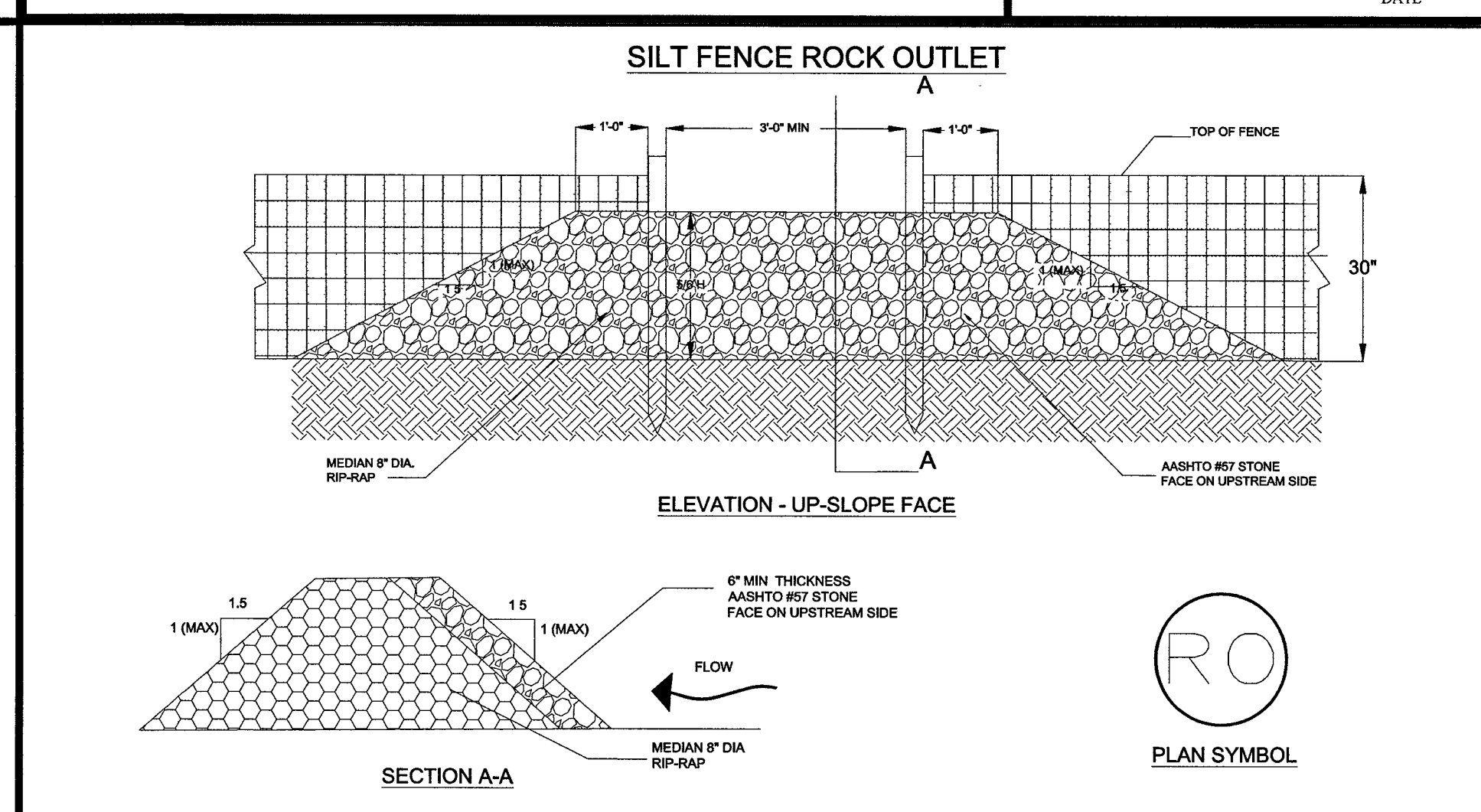


**South Carolina Department of Health and Environmental Control**

**CONCRETE WASHOUT STRAW BALES OR ABOVE GROUND**

STANDARD DRAWING NO RC-07 PAGE 1 of 1

NOT TO SCALE

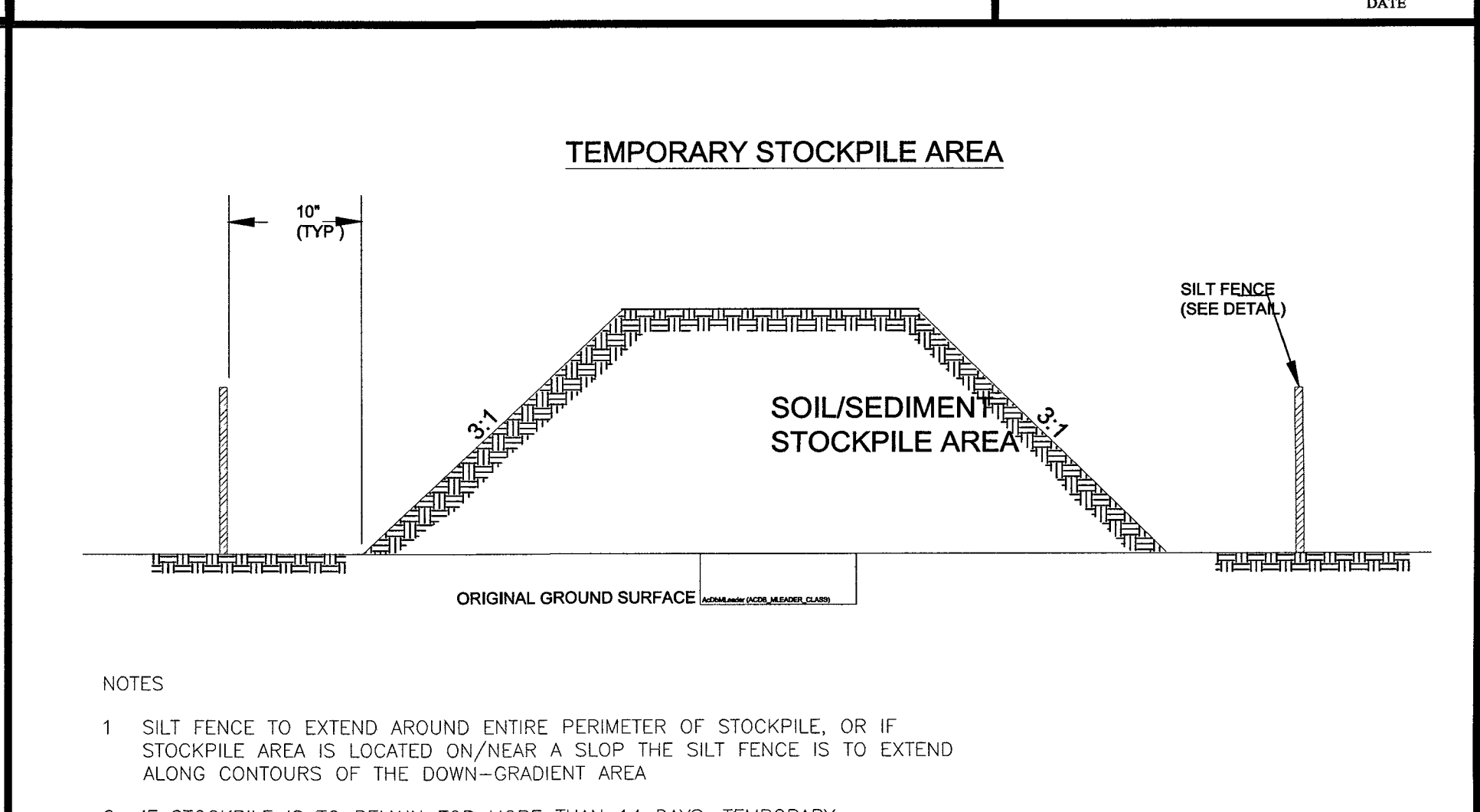


**South Carolina Department of Health and Environmental Control**

**SILT FENCE ROCK OUTLET**

STANDARD DRAWING NO SC-14 PAGE 1 of 1

NOT TO SCALE

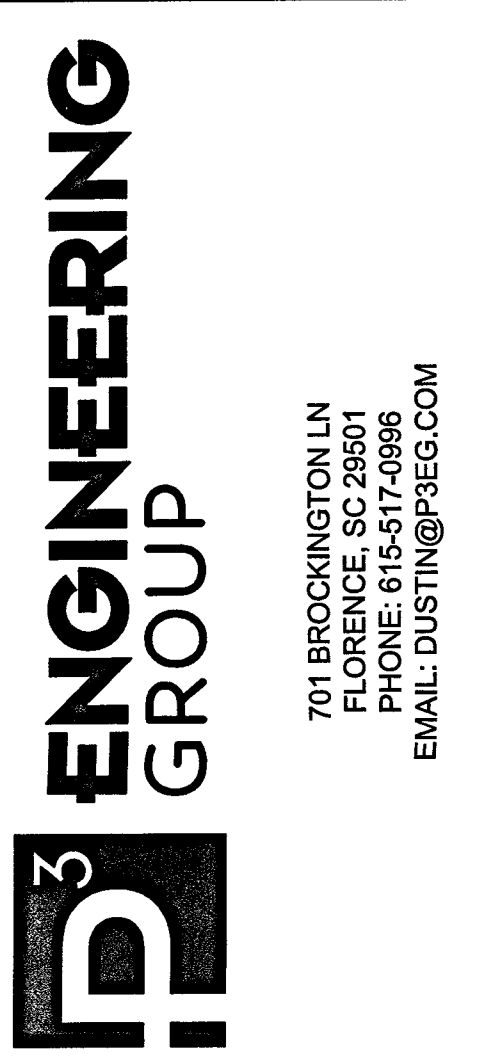
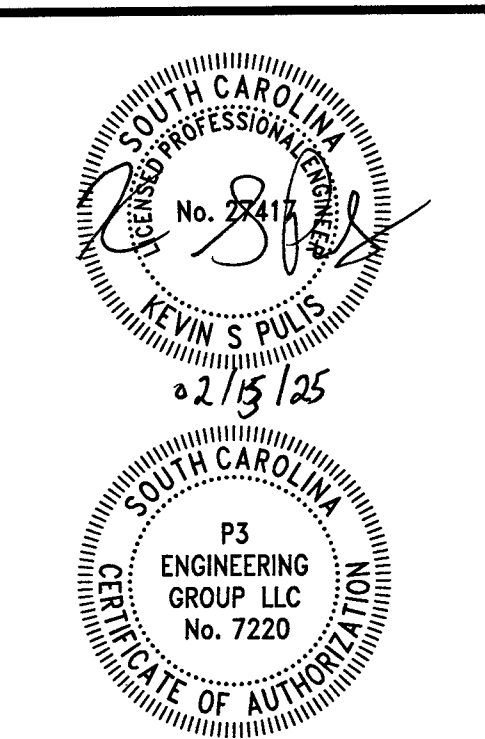


**South Carolina Department of Health and Environmental Control**

**TEMPORARY STOCKPILE**

STANDARD DRAWING NO SC-15 PAGE 1 of 1

NOT TO SCALE



**ENGINEERING GROUP**

LOS MARIACHIS  
1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

701 BROCKINGTON LN  
FLORENCE, SC 29501  
PHONE: 815-517-0966  
EMAIL: DUSTIN@P3EG.COM

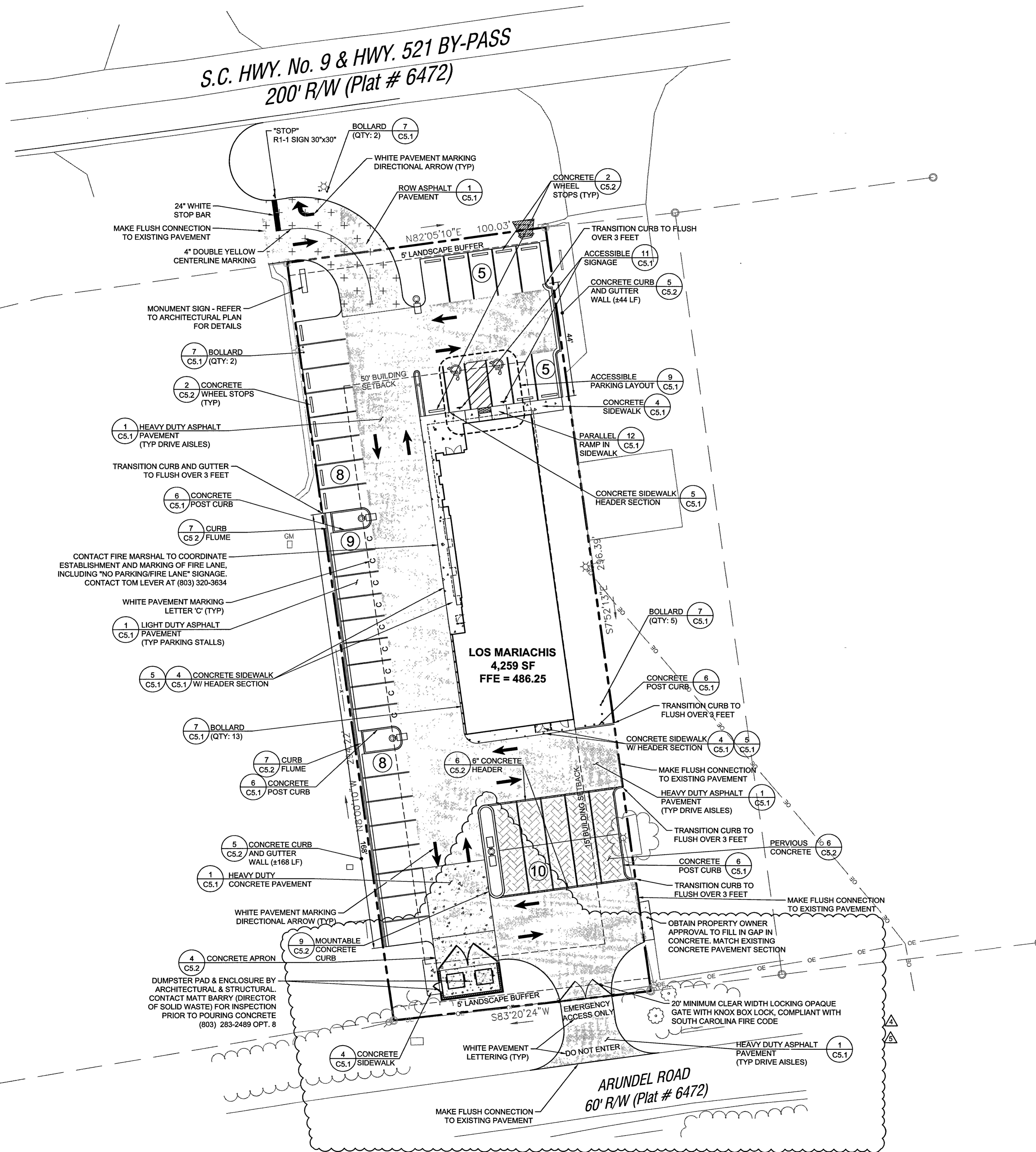
ORIGINAL ISSUE DATE:	03/26/2024
REVISIONS:	
CITY COMMENTS	07/18/2024
BUILDING AREA	07/25/2024
FIRE SERVICE	10/18/2024
ARUNDEL DRIVEWAY	12/18/2024
ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

**EROSION & SEDIMENT CONTROL DETAILS**

**C1.4**

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**SITE PLAN LEGEND**

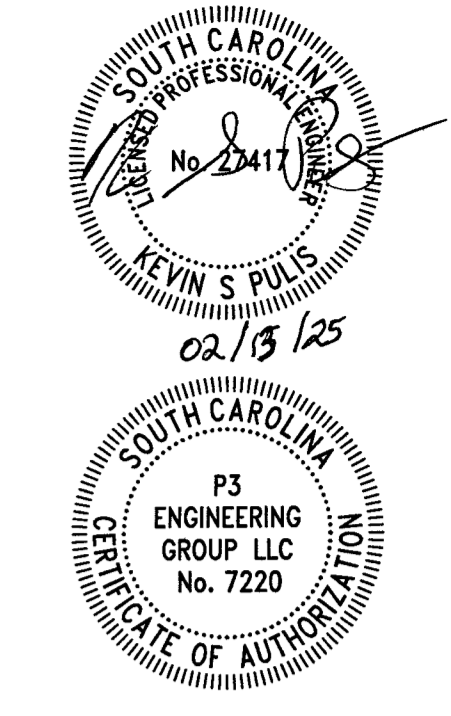
	PROPERTY LINE
	EASEMENT LINE
	SETBACK LINE
	CONCRETE SIDEWALK
	DUMPSTER PAD / HEAVY DUTY CONCRETE
	HEAVY DUTY ASPHALT PAVING
	ROW ASPHALT PAVING
	PERVIOUS CONCRETE
	SIGN
	LIGHT POLE
	BOLLARD

REFER TO SHEET C0.2 FOR NOTES.

**OPEN SPACE CALCULATION**

SITE AREA = 29,440 SF  
 LANDSCAPE AREA = 4,290 SF  
 PERVIOUS PAVEMENT = 1,580 SF  
 IMPERVIOUS AREA = 23,570 SF

TOTAL PERVIOUS = 5,870 SF  
 % PERVIOUS = 5,870 / 29,440  
 % PERVIOUS = 19.9%



**P3 ENGINEERING GROUP**

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**LOS MARIACHIS**  
 1229 HIGHWAY 9 BYPASS WEST  
 LANCASTER, SOUTH CAROLINA

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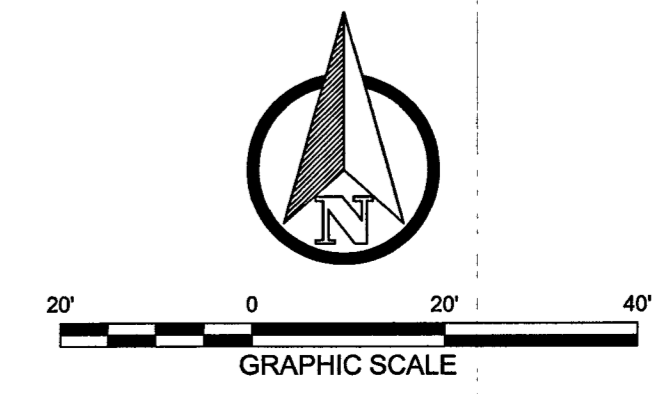
REVISIONS:

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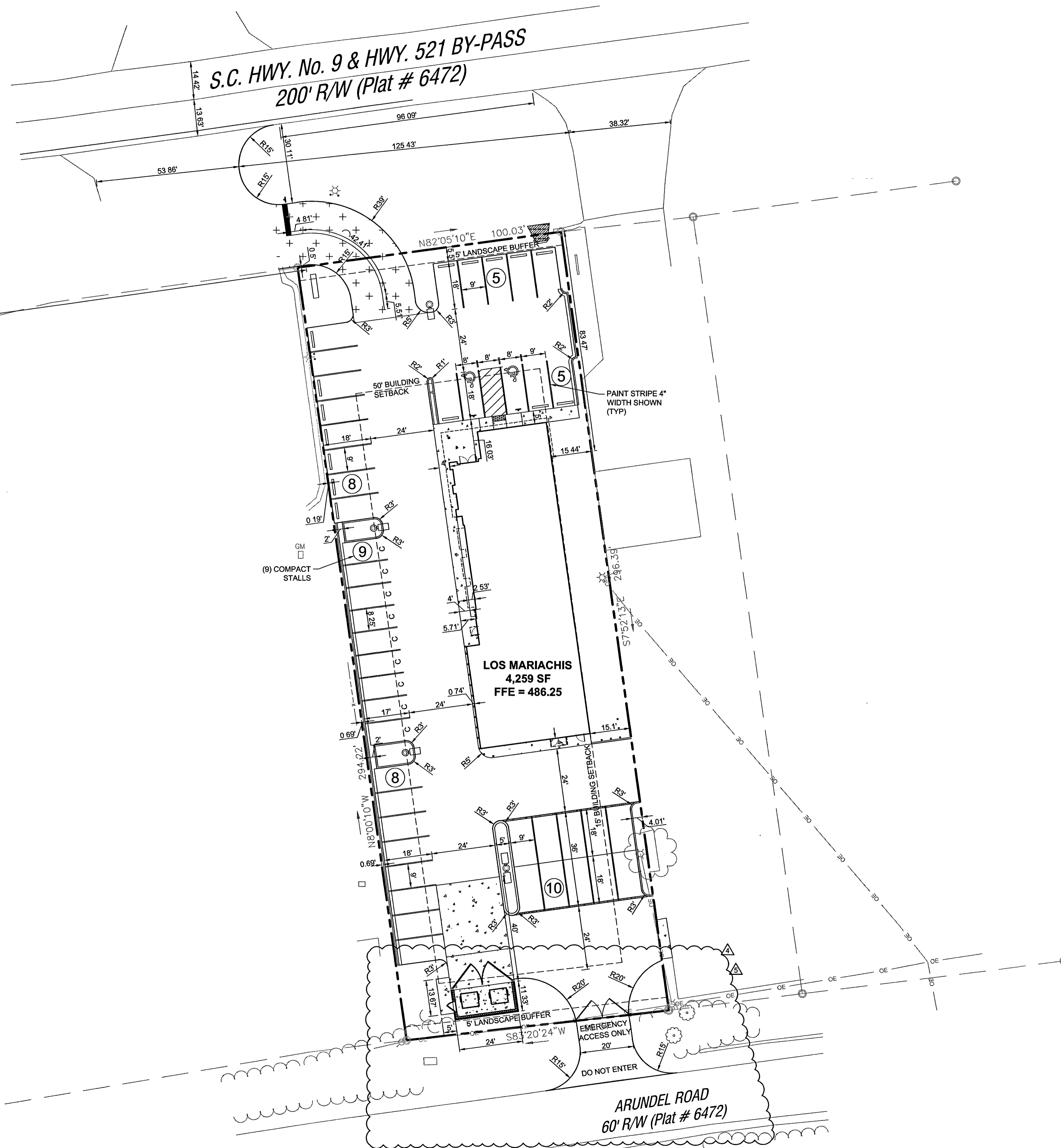
SITE PLAN

**C2.1**



IF THIS SHEET DOES NOT MEASURE 24"x36", IT HAS BEEN ENLARGED OR REDUCED. PLEASE ADJUST SCALE ACCORDINGLY.

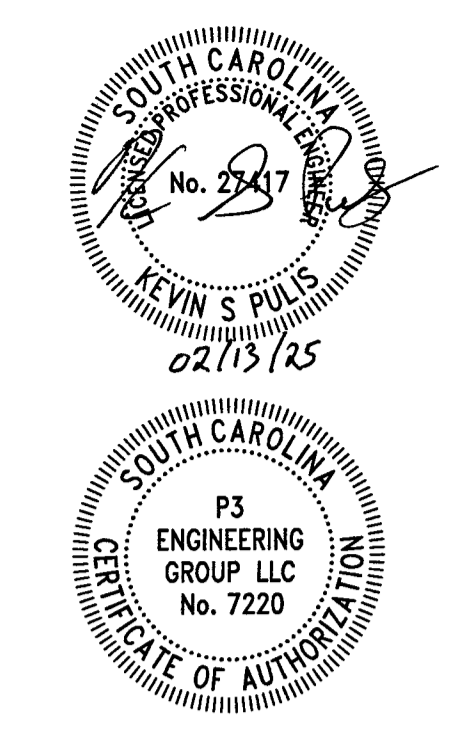
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**SITE PLAN LEGEND**

	PROPERTY LINE
	EASEMENT LINE
	SETBACK LINE

REFER TO SHEET C0.2 FOR NOTES.

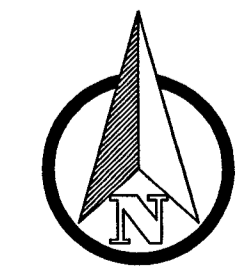


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	ARUNDEL DRIVEWAY 12/16/2024
	ARUNDEL FIRE ACCESS 01/20/2025

PROJ. NO.: 23001



SITE DIMENSION PLAN

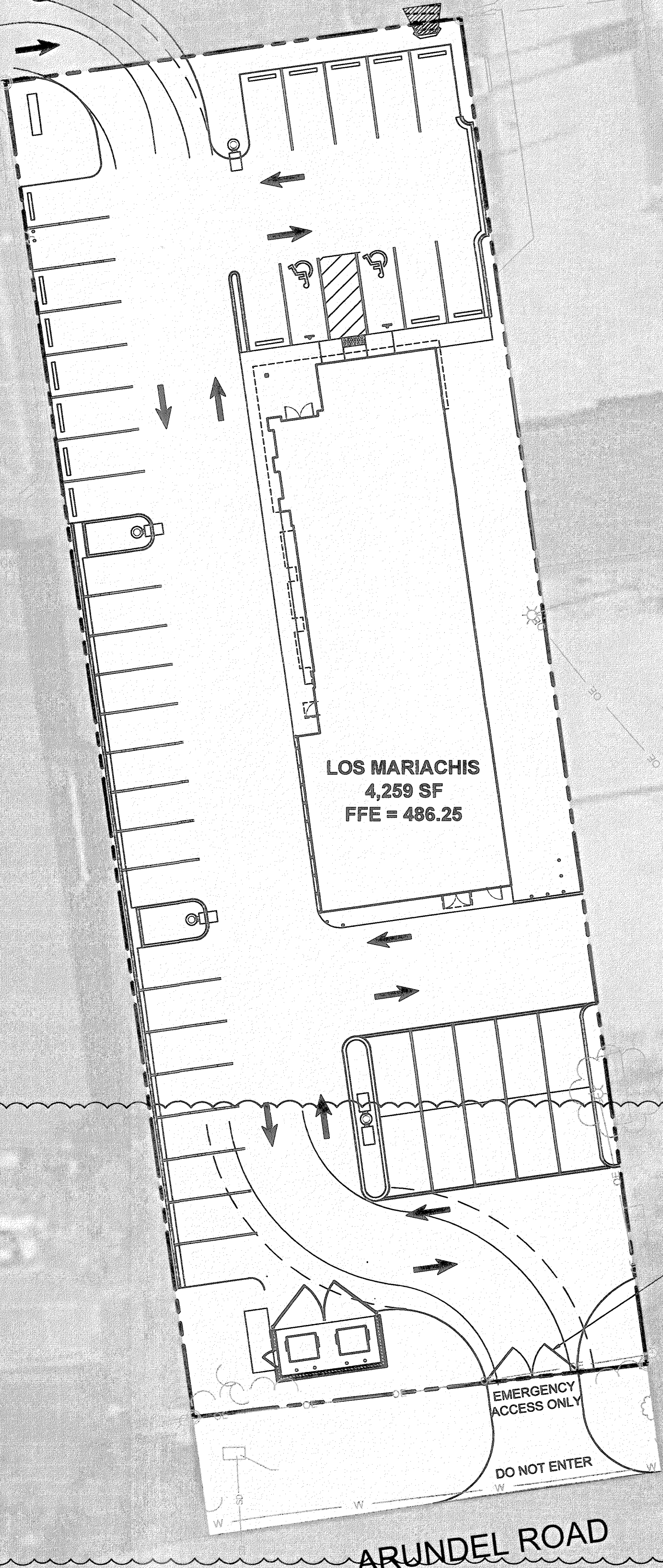
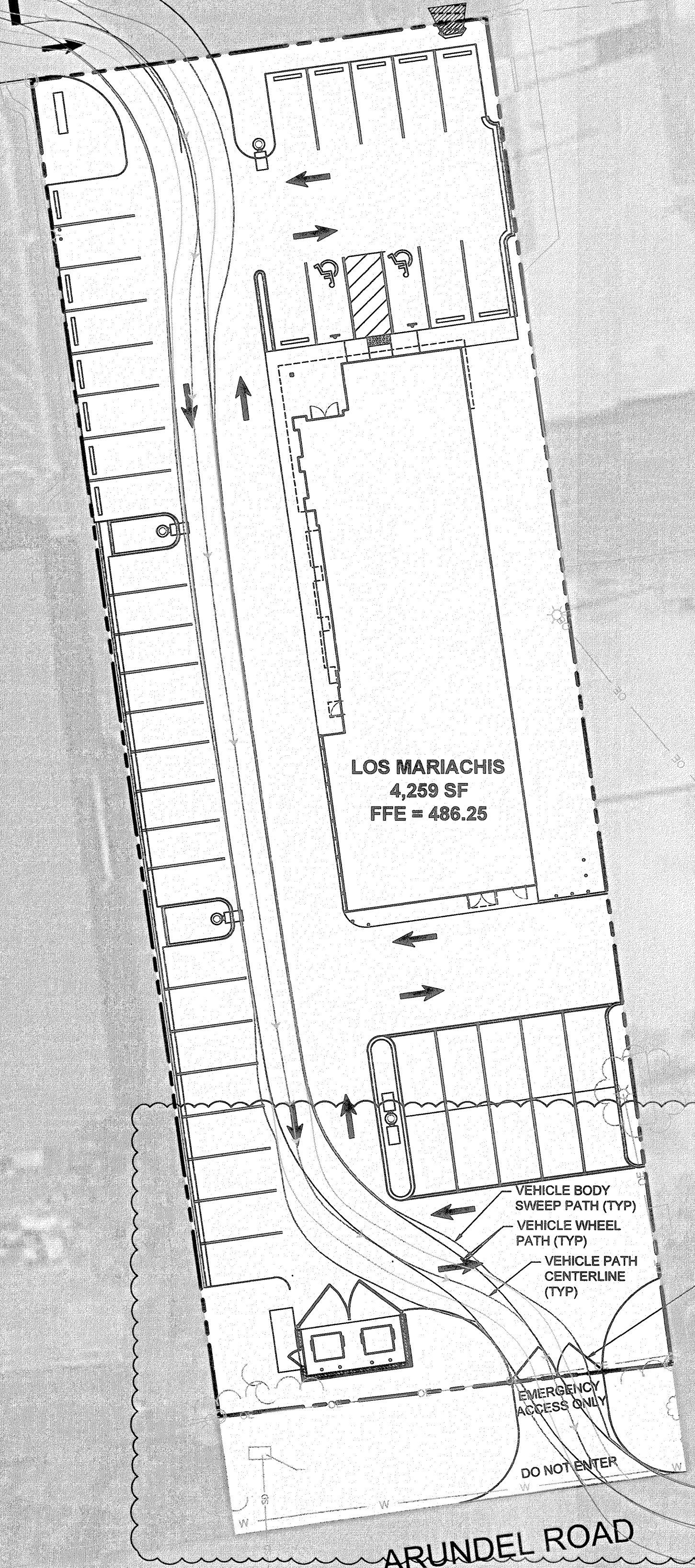
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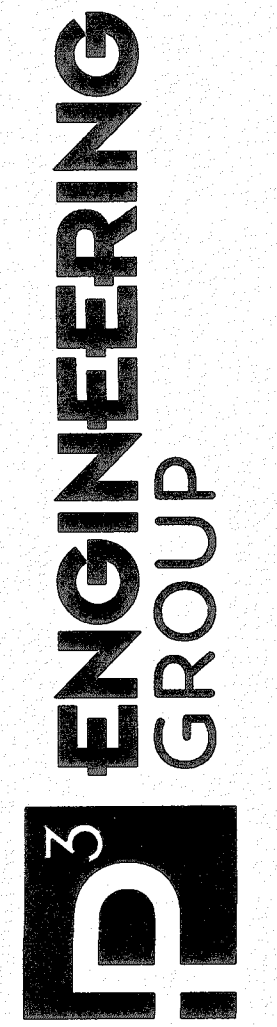
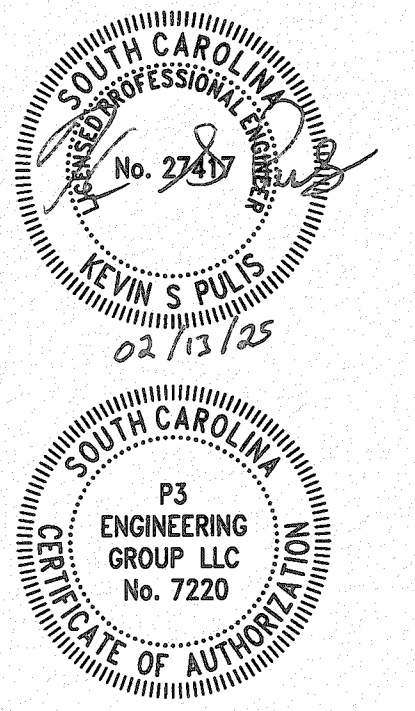
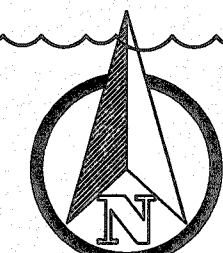
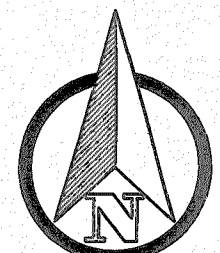
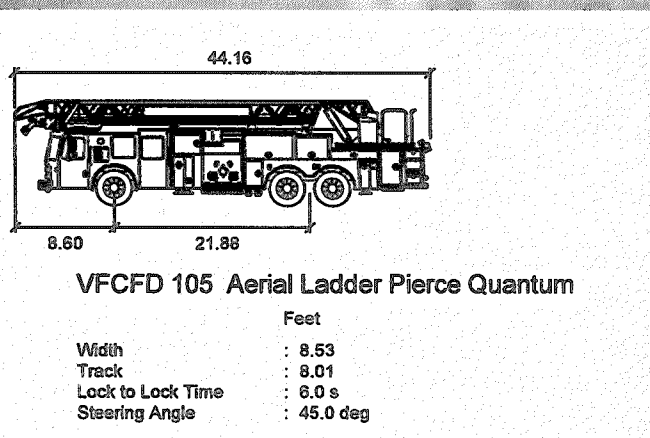
S.C. HWY. NO. 9 & HWY. 521 BYPASS

S.C. HWY. NO. 9 & HWY. 521 BYPASS



**AUTOTURN TRUCK TURNING MOVEMENTS**  
(SIMILAR AERIAL LADDER TRUCK)

**LANCASTER COUNTY FIRE TURNING RADII**  
(PIERCE VELOCITY CHASSIS, 100ATT)



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FLORENCE, SC 29501  
PHONE: 815-517-0986  
EMAIL: DUSTIN@P3EG.COM

**LOS MARIACHIS**  
1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE:	03/26/2024
REVISIONS:	
▲ CITY COMMENTS	07/18/2024
▲ BUILDING AREA	07/25/2024
▲ FIRE SERVICE	10/18/2024
▲ ARUNDEL DRIVEWAY	12/18/2024
▲ ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

FIRE TRUCK  
TURNING MOVEMENTS

**C2.3**

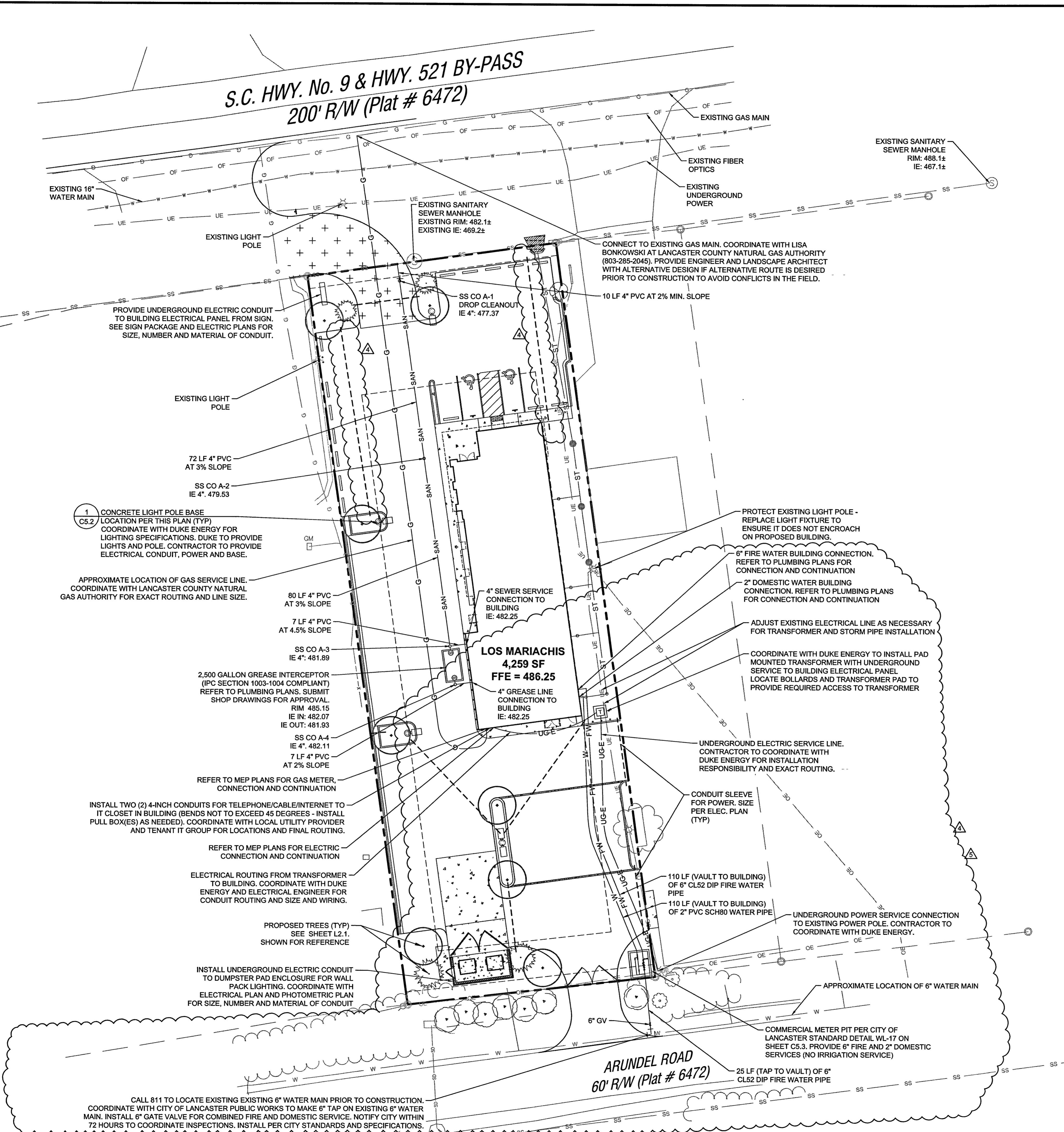
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MATCH LINE

MATCH LINE



**UTILITY LEGEND**

---	PROPERTY LINE
---	SEWER PIPE
---	WATER PIPE
---	CONDUIT SLEEVE
---	UNDERGROUND ELECTRIC
---	OVERHEAD ELECTRIC
---	NATURAL GAS PIPE
---	STORM SEWER ROOF LEADER
---	STORM SEWER PIPE
---	SANITARY CLEANOUT
---	GREASE TRAP
---	WATER METER
---	BACKFLOW PREVENTER
---	WATER VALVE

REFER TO SHEET C0.2 FOR NOTES.  
REFER TO SHEET C5.3 FOR CITY OF LANCASTER PUBLIC WORKS DETAILS.

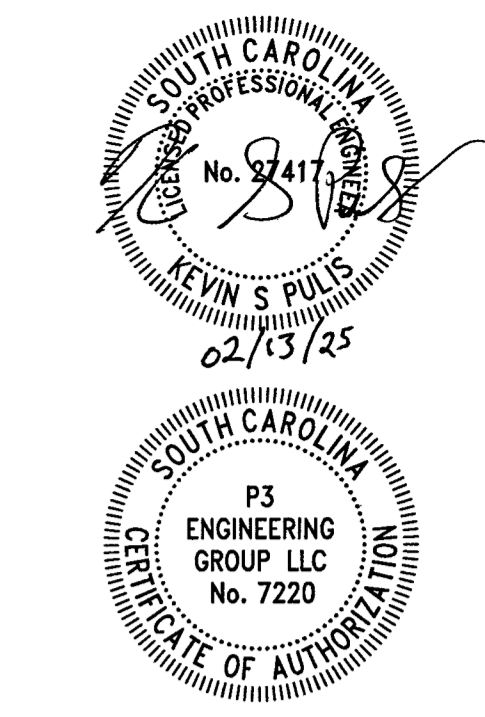
**CITY OF LANCASTER PUBLIC WORKS WATER SEWER NOTES**  
ALL WATER AND SEWER TAP & SUPPLIES WILL BE INSTALLED BY THE DEVELOPER PER CITY OF LANCASTER

- WATER PARTS**
- NO COPPER LINES.
  - IPS SIDR7 HDPE BLUE PIPE ¾ OR 1" SOFT ROLL SERVICE LINE
  - ¾ OR 1" LONG YOKE BOX LYL161-233-U-NA-T-NL STYLE (CAST IRON STRETCH BOX WITH PLASTIC UPPER AND PLASTIC LID WITH MXU MOUNT (MUELLER OR FORD)
  - ¾" MALE INSTANTITE FC8633UNL
  - 6" BY ¾" TAPPING SADDLE R202N076031 OR 2" BY ¾" TAPPING SADDLE -R202N05031
  - ¾" CORPORATION STOP MH150005NF
  - WITH TRACK WIRE WITH WATER LINE
  - 6-INCH DI MJ RW OL GATE VLV L/A MUELLER GATE VALVE
  - C-900 PVC PIPE OR DIP 200 PSI
  - ALL STAINLESS TAPPING SADDLE
  - NO 1.5, 2.5 OR 3 INCH MAIN WATER LINES
  - NO PVC FITTING
  - ALL FITTING MUST BE BRASS OR STAINLESS
  - HYDRANT MUELLER OR AMERICAN DARLING WITH STORZ FITTING
  - 4.5 STANDARD HYDRANT OPEN LEFT, IN YELLOW, FRONT NOZZLE CAP 5-1/4 & 2.5 SIDE CAPS CONNECTION WITH GATE VALVE
  - ALL CONCRETE METER VAULT MUST HAVE FLOOR DRAIN

- SEWER PARTS**
- 4-INCH SEWER TAPS MADE BY THE DEVELOPER. A 4-INCH CLEANOUT WITH A SWEEPING WYE AT THE PROPERTY LINES SWEEPING TOWARD CITY MAIN LINE WITH SCHEDULE 40 PVC PIPE.
  - 4" SCH40 DWV COMBO WYE HXH / SWEEPING WYE
  - 4" CB SEWER SDL UNIV BRANCH F6.27-14.40 PIPE CB-480UN / SEWER TAPPING SADDLE
  - 4 PVC SWR RH THRD CO PLUG / CLEANOUT ADAPTER PLUG
  - 4 PVC DWV FEM ADPT / CLEANOUT ADAPTER
  - ALL SEWER PIPE AND FITTING MUST BE SCHEDULE 40 PVC (ALL PVC PIPE AND FITTING MUST BE PRIMER AND GLUE FOR LATERAL)
  - MAIN SEWER LINES SDR35 PVC OR DIP (DIP MUST BE CHEMICAL RESISTANCE COATING)
  - ALL MANHOLE SECTIONS SHALL CONFORM TO ASTM-C478 LATEST REVISION PRECAST MANHOLE WITH CO-POLYMER POLYPROPYLENE STEEL REINFORCED STEPS MEETING THE LATEST VERSION OF ASTM-478 & MANHOLE FRAMES AND COVERS DESIGNED FOR HEAVY TRAFFIC WEIGHING NOT LESS THAN 310 LBS AND SHALL BE "PROOF LOAD TESTED TO HOLD A 40,000 POUND LOAD ASHTO M306-07 APPROVED FRAMES AND COVER. COVER BE INTER-CHANGEABLE WITH ANY FRAMES CITY OF LANCASTER. LID STAMP CAN BE STANDARD

METER AT FORTLINE ROCKHILL SC  
ALL METERS SHOULD BE KAMSTRUP METER READING IN 100 GALLONS  
KAMSTRUP FLOWIQ R 3200 02-L-02-D-1-8H-8XX (17-INCH) READ IN 100 GALLON AND THE 2-INCH METER MUST BE INSTALLED IN A 2-INCH YOKE SETTER W/ A BYPASS. ALL OTHER METERS LARGER SHOULD BE INSIDE VAULT W/FLOOR DRAIN.  
DAVID HLADIS WATERWORKS METER SPECIALIST: DAVID.HLADIS@FORTLINE.COM

LONG YOKE BOX LYL161-233-U-NA-STYLE - ¾ METER I F 5/8X3/4 KAMSTRUP METER 100 USG OR 1-INCH M520M-F1-TC-X-E-MI 1P PIT W-D/LD  
ALL METER ¾ & 1" METER MUST BE CASTIRON STRETCH BOX WITH PLACTICE UPPER AND PLASTIC LID W/MOUNT



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**LOS MARIACHIS**  
1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE: 03/26/2024

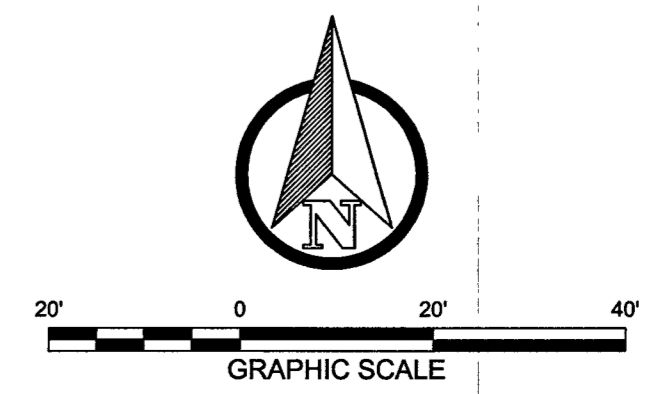
REVISIONS:

▲	CITY COMMENTS	07/16/2024
▲	BUILDING AREA	07/25/2024
▲	FIRE SERVICE	10/18/2024
▲	ARUNDEL DRIVEWAY	12/16/2024
▲	ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

UTILITY PLAN

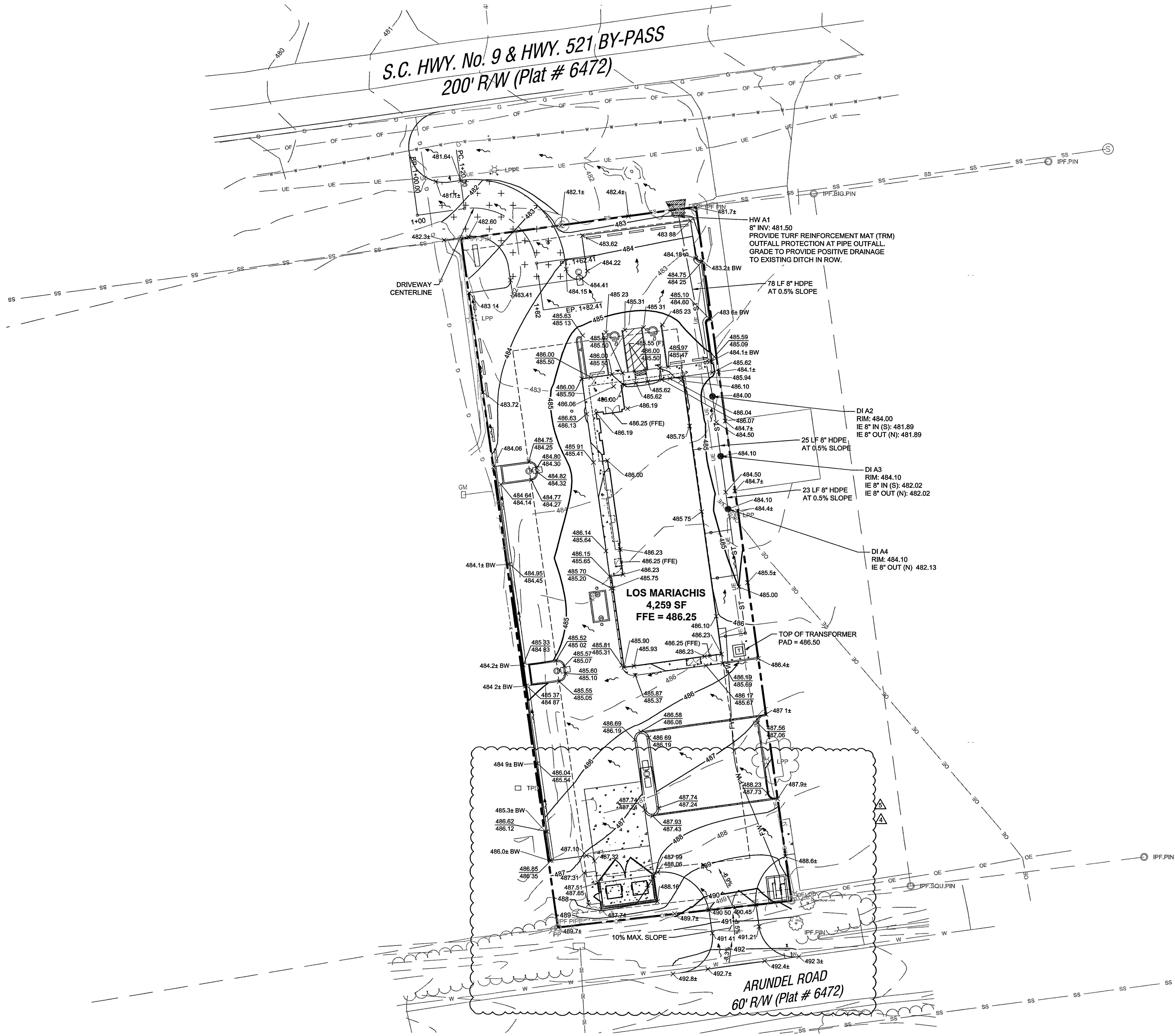
C3.1



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**S.C. HWY. No. 9 & HWY. 521 BY-PASS**  
**200' R/W (Plat # 6472)**



**GRADING LEGEND**

---	PROPERTY LINE
---69---	PROPOSED MINOR CONTOUR
---70---	PROPOSED MAJOR CONTOUR
---69---	EXISTING MINOR CONTOUR
---70---	EXISTING MAJOR CONTOUR
X 101.00	SPOT ELEVATION (FINISHED SURFACE)
X 101.50	SPOT ELEVATION (TOP OF CURB / BOTTOM FACE OF CURB)
↘ -1.0%	SLOPE (DOWNHILL)
○	BENCHMARK
TW 101.70	SPOT ELEVATION (TOP OF WALL / BOTTOM OF WALL)
BW 100.00	NOTE: BOTTOM OF WALL ELEVATION REPRESENTS TOP OF GROUND ELEVATION AT FACE OF WALL

**SPOT ELEVATION ABBREVIATIONS**

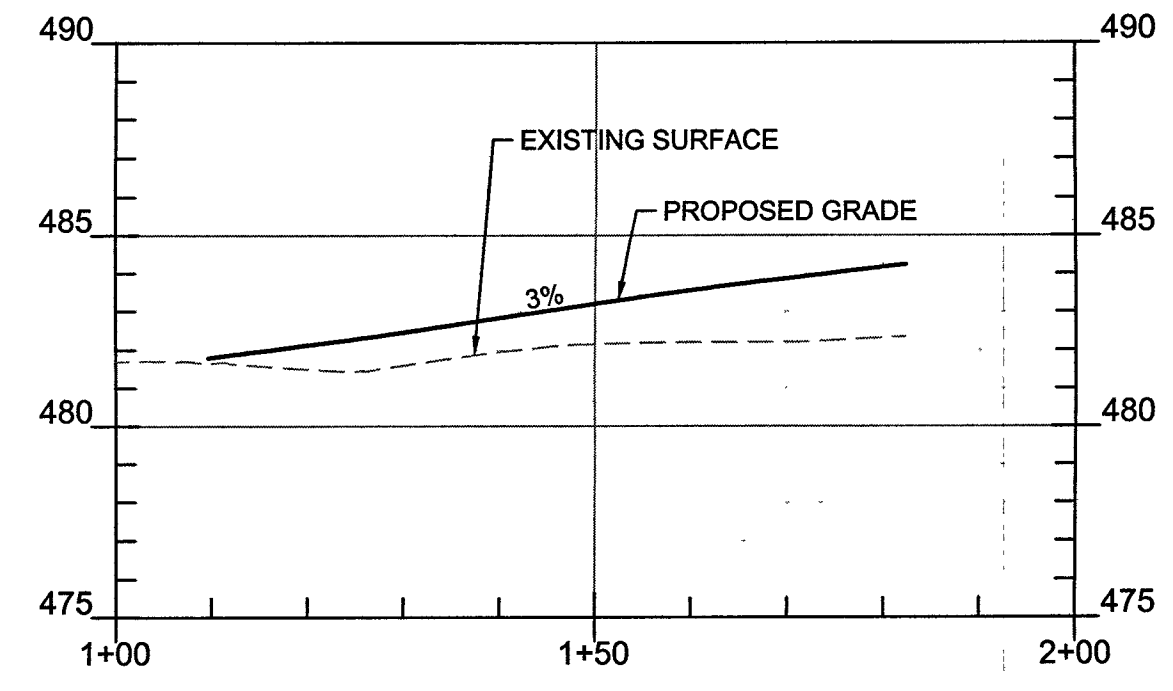
BC	BOTTOM OF CURB
BW	BOTTOM OF WALL
F	FLUSH
FFE	FINISHED FLOOR ELEVATION
MEFG	MATCH EXISTING FINISHED GRADE
LP	LOW POINT
HP	HIGH POINT
TC	TOP OF CURB
TW	TOP OF WALL

REFER TO NOTES ON SHEET C0.2

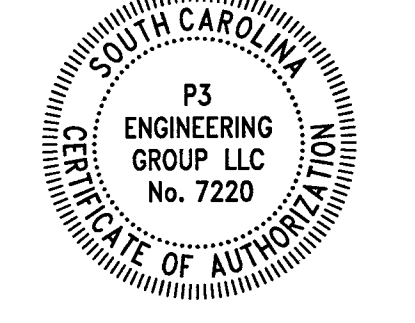
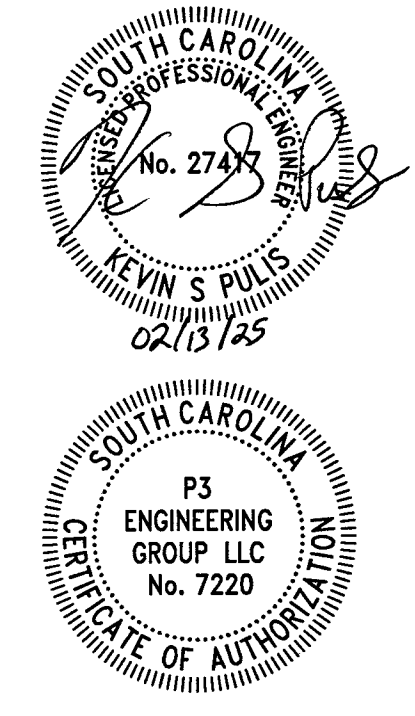
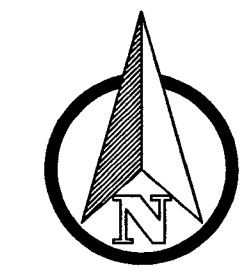
**DATUM INFORMATION**  
 ELEVATIONS SHOWN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

**DRAINAGE LEGEND**

---	ST	STORM PIPE (HDPE / ROOF LEADER)
---	HW	HEADWALL (HW)
●	DI	STORM DRAIN INLET (DI) NYPOPLAST LIGHT DUTY 10" DRAIN BASIN WITH DOMED GRATE OR APPROVED EQUAL



**DRIVEWAY CENTERLINE PROFILE**  
 SCALE H:1"=20'; V:1"=5'



**P3 ENGINEERING GROUP**

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▲	ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

GRADING & DRAINAGE PLAN

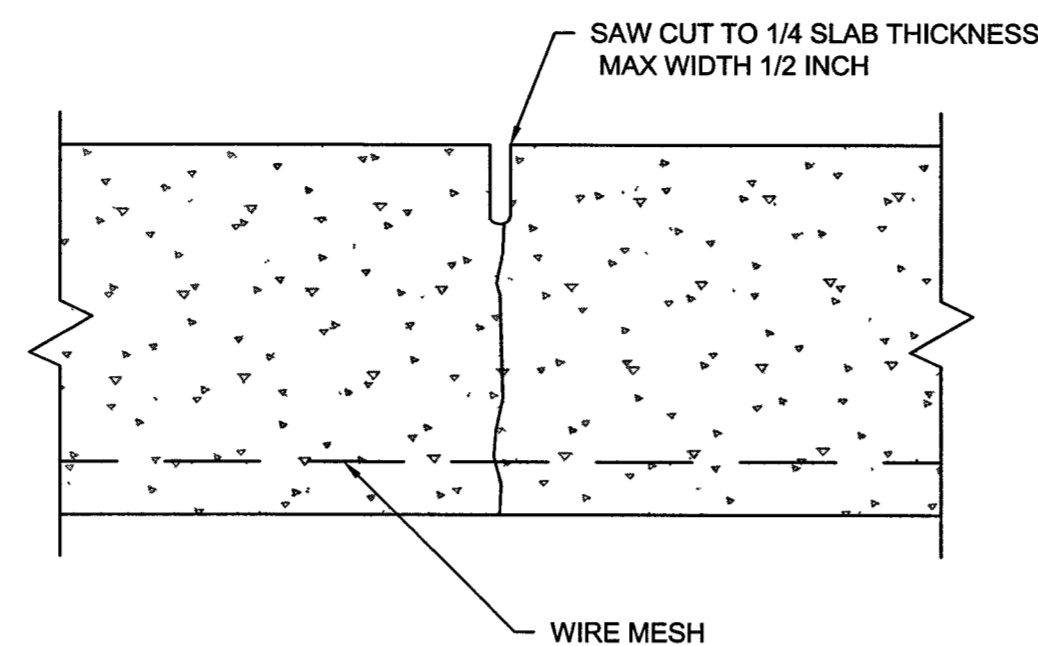
**C4.1**

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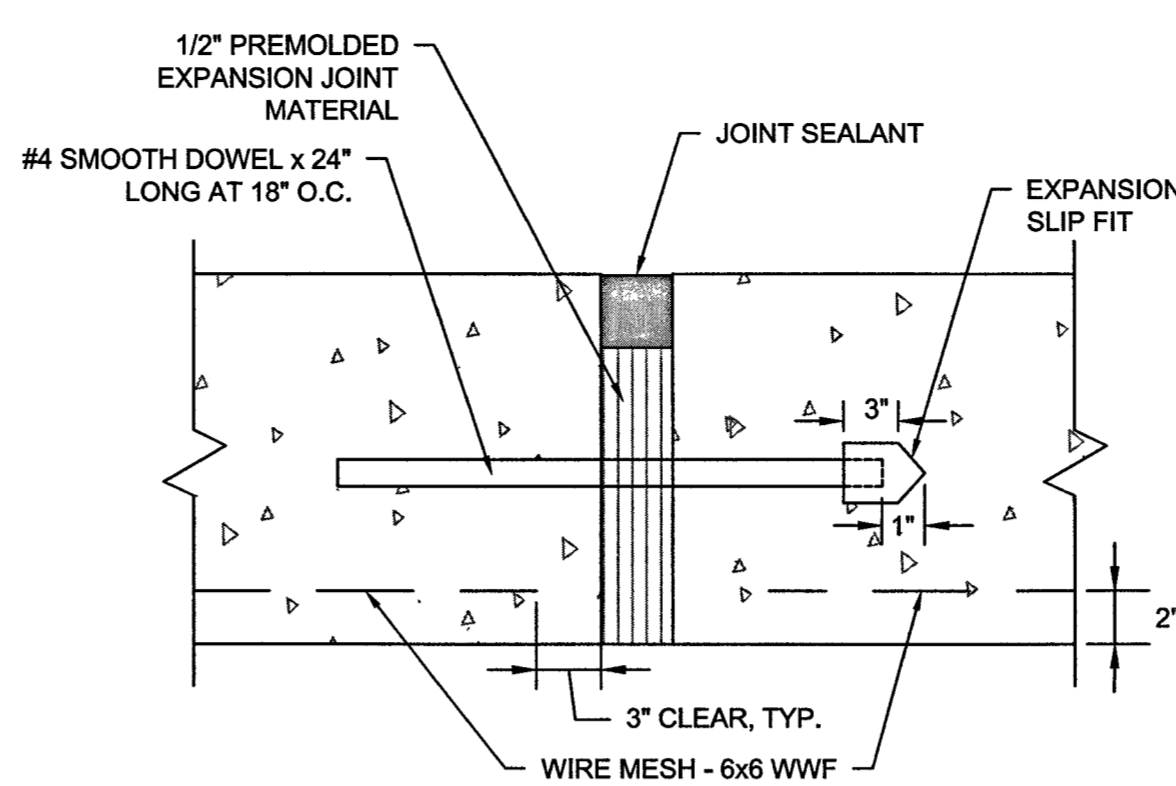
- LIGHT DUTY**
- (A) 2" SURFACE COURSE SCDOT TYPE B OR C
  - (B) NOT USED
  - (C) 6" AGGREGATE BASE COURSE SCDOT TYPE B
  - (D) COMPACTED SUBGRADE
- HEAVY DUTY**
- (A) 6" 4000 PSI CONCRETE
  - (B) 6" AGGREGATE BASE COURSE SCDOT TYPE B
  - (C) COMPACTED SUBGRADE
- ROW PAVEMENT**
- (A) 2" SURFACE COURSE SCDOT TYPE C (200# / SY)
  - (B) 2.5" INTERMEDIATE COURSE SCDOT TYPE C (250# / SY)
  - (C) 5.0" AGGREGATE BASE COURSE SCDOT TYPE B (550# / SY)
  - (D) COMPACTED SUBGRADE
- NOTES:**
- REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY EOS SOUTHEAST, LLC PROJECT NO. 08-15667, DATED 11/07/2023.
  - PREPARE COMPACTED SUBGRADE PER GEOTECHNICAL INVESTIGATION.
  - PAVEMENT CONSTRUCTION AND COMPONENTS SHOULD MEET SCDOT SPECIFICATIONS.
  - PAVEMENT DEPTHS INDICATE COMPACTED THICKNESS.

**1 PAVEMENT SECTIONS**  
NTS



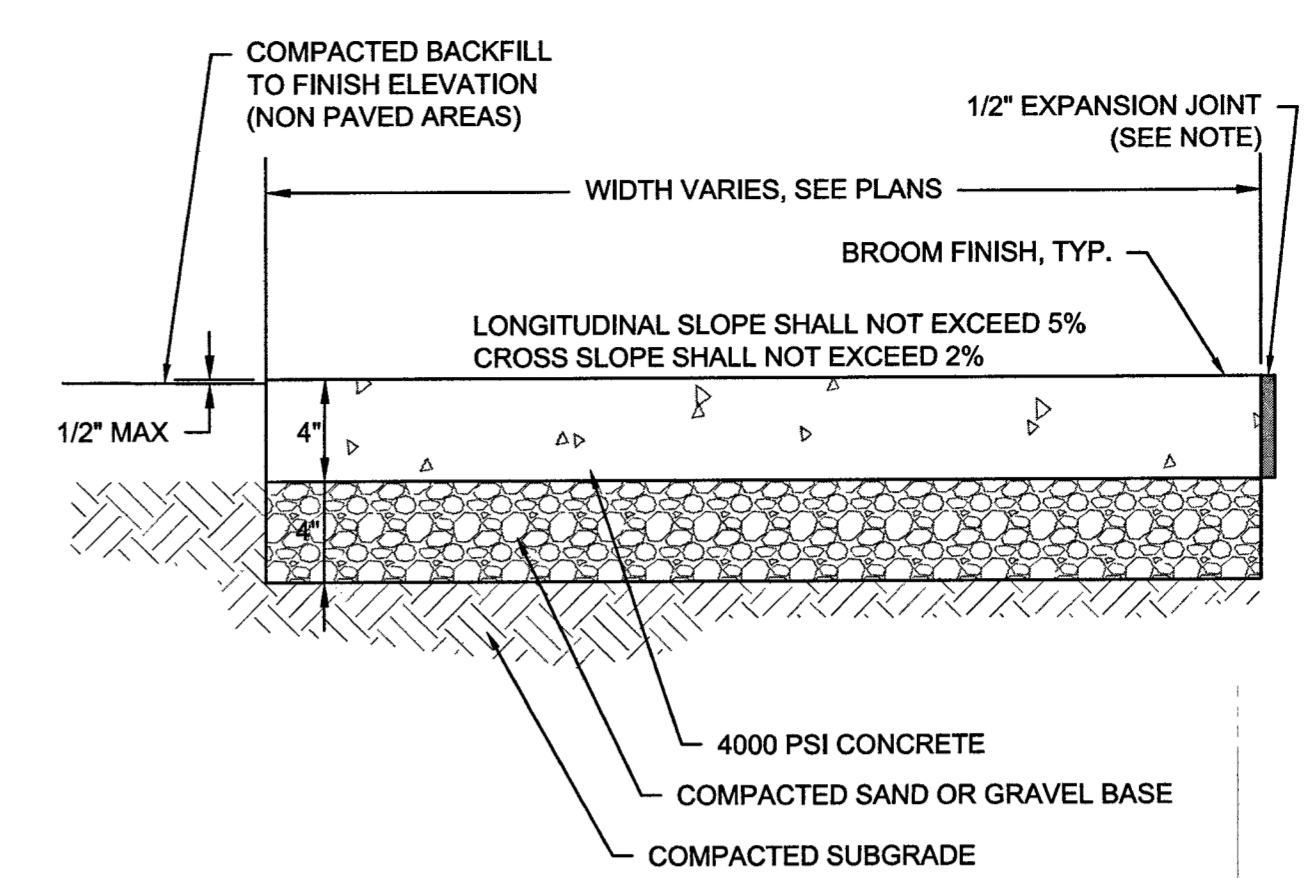
NOTE: CONTRACTION JOINTS TO BE SPACED EVERY 10'

**2 CONTRACTION JOINTS IN CONCRETE**  
NTS



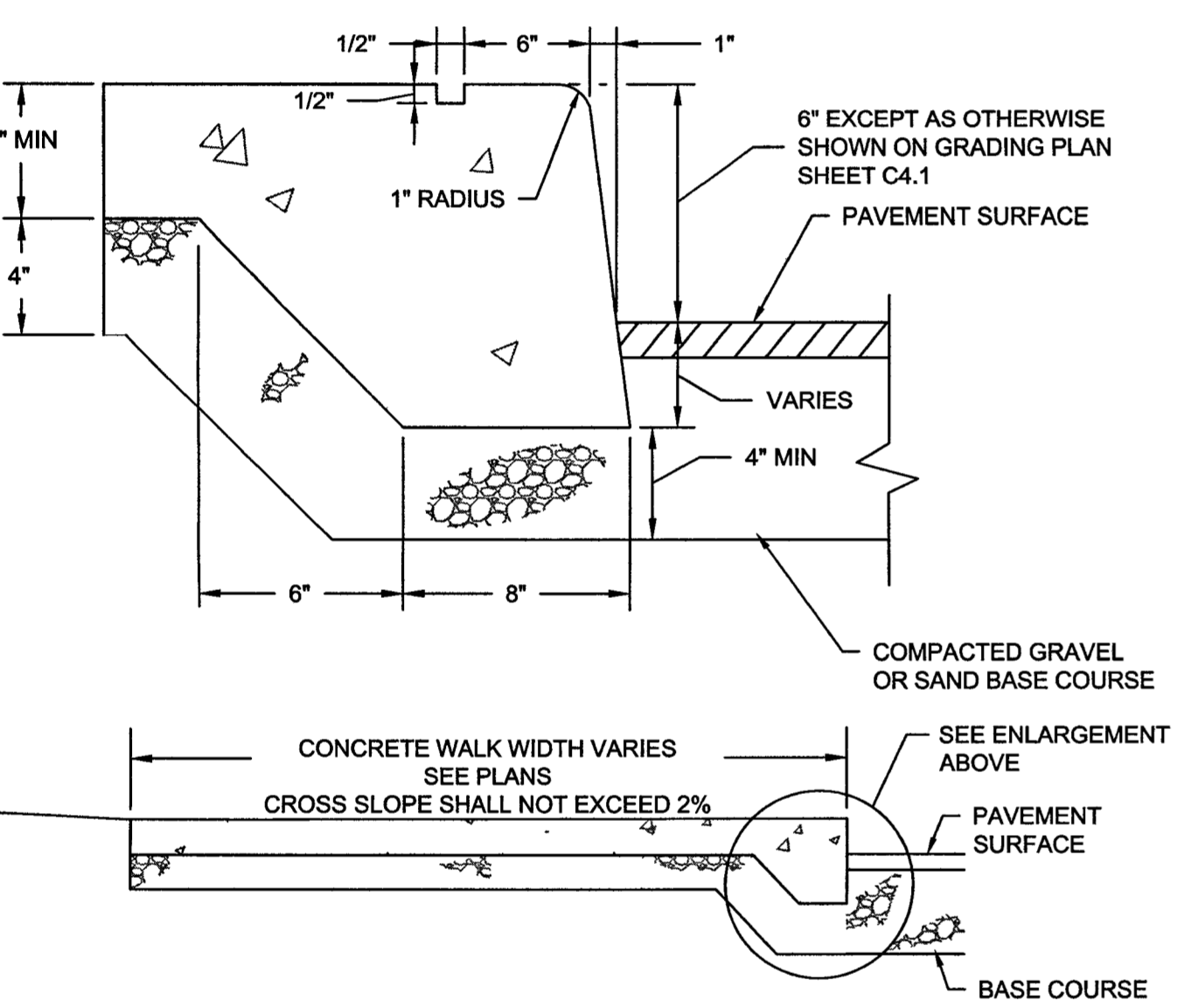
- PARKING LOT EXPANSION JOINTS TO BE INSTALLED IN 3 LOCATIONS:
- IN THE PARKING LOT LIMITS ALONG A LINE EXTENDED FROM THE FACE OF THE BUILDING.
  - ALONG THE PERIMETER OF THE DUMPSTER WHERE IT ABUTS CONCRETE PAVEMENT.
  - ALONG CONNECTION OF PARKING LOT TO ANY CONCRETE DRIVEWAY RAMPS.

**3 EXPANSION JOINT FOR CONCRETE PAVEMENT**  
NTS



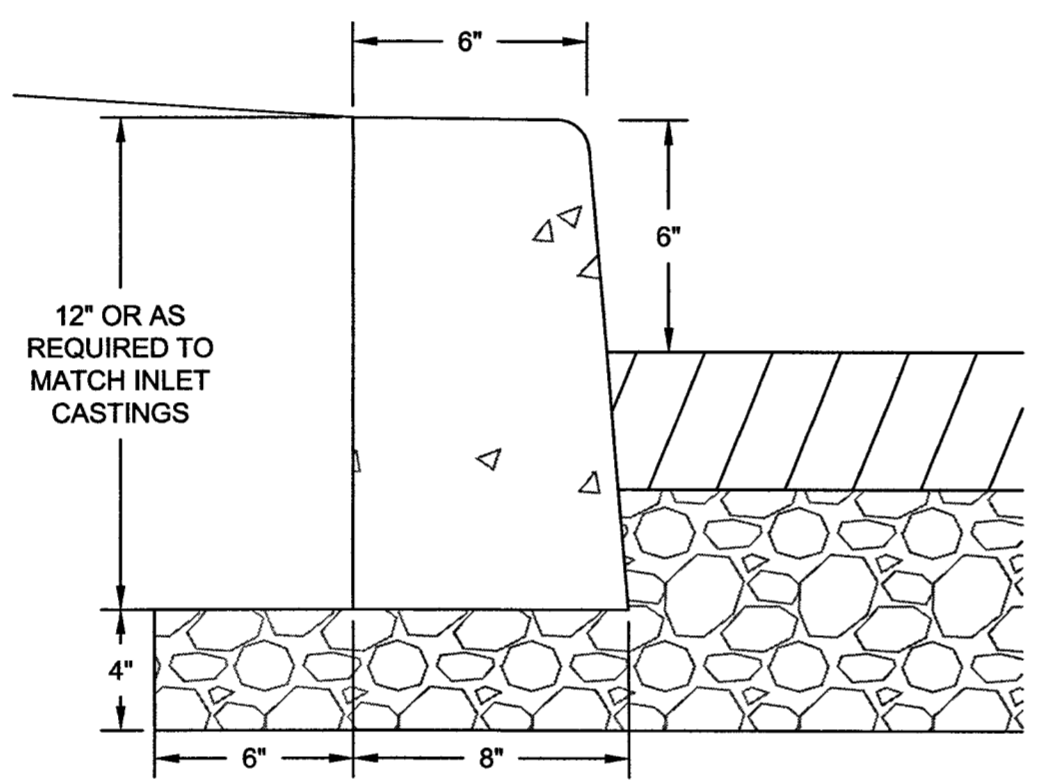
- NOTES:**
- PROVIDE WEAKENED PLANE (SAW CUT OR TOOLED) CONTROL JOINTS AT 5'-0" ON CENTER.
  - PROVIDE EXPANSION JOINTS AT 50'-0" (MAX) ON CENTER AND CONTINUOUSLY BETWEEN SIDEWALK AND WALLS OR OTHER STRUCTURES

**4 CONCRETE SIDEWALK SECTION**  
NTS

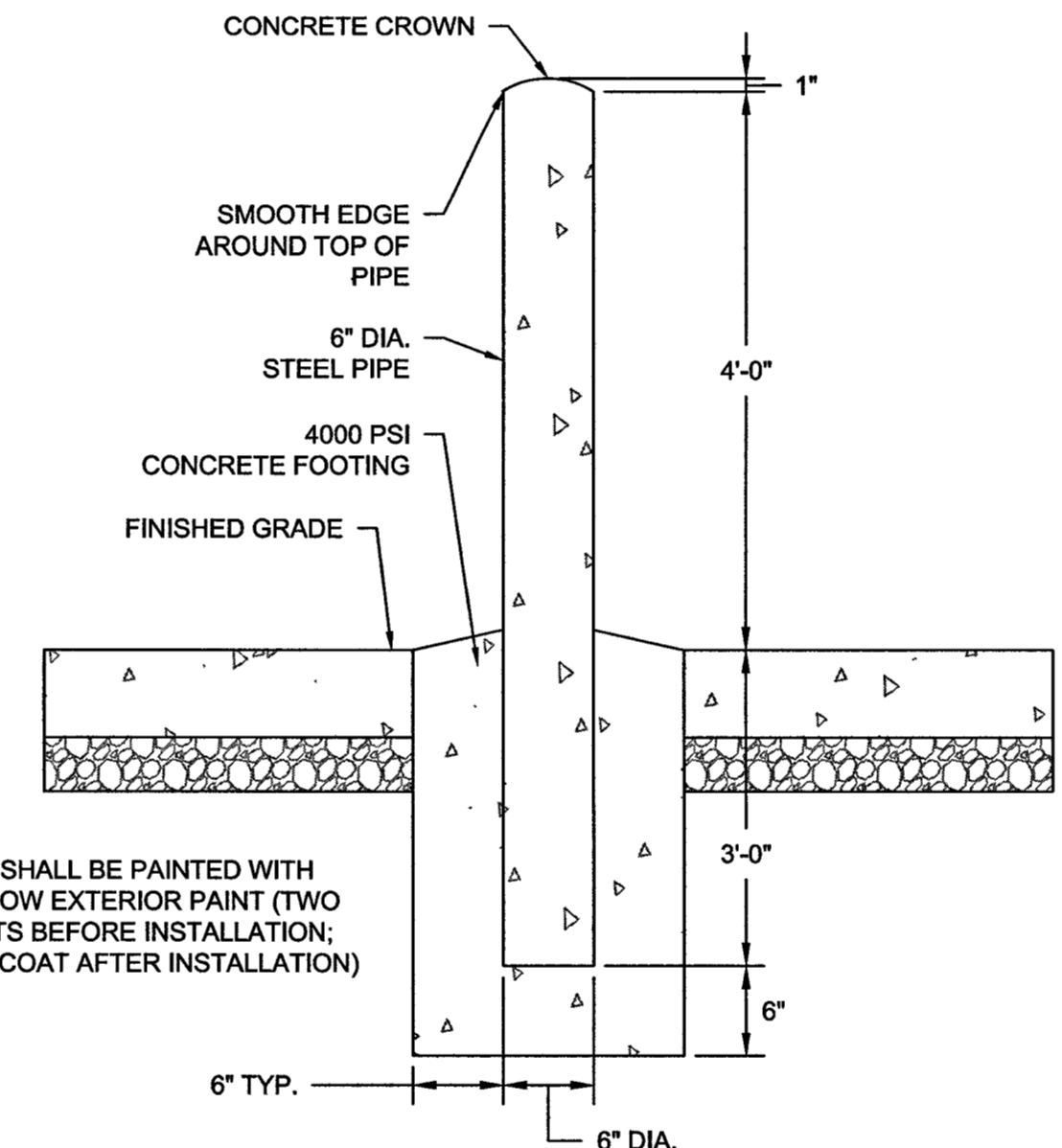


- NOTES:**
- CURB SHALL BE CONSTRUCTION IN 10-FOOT LENGTHS, OR EXTRUDED AND THEN SAWCUT AT 10-FOOT INTERVALS TO A DEPTH OF 1-3/4 INCHES.
  - 1/2-INCH EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FEET, AT THE ENDS OF RETURNS AND AT ALL POINTS WHERE THE NEW CURB ABUTS OTHER CONCRETE STRUCTURES OR INLET CASTINGS.
  - ALL CONCRETE SHALL BE 4000 PSI (TYP.)
  - CURB HEIGHT TO BE 6 INCHES UNLESS OTHERWISE NOTED ON GRADING PLAN, SHEET C4.1

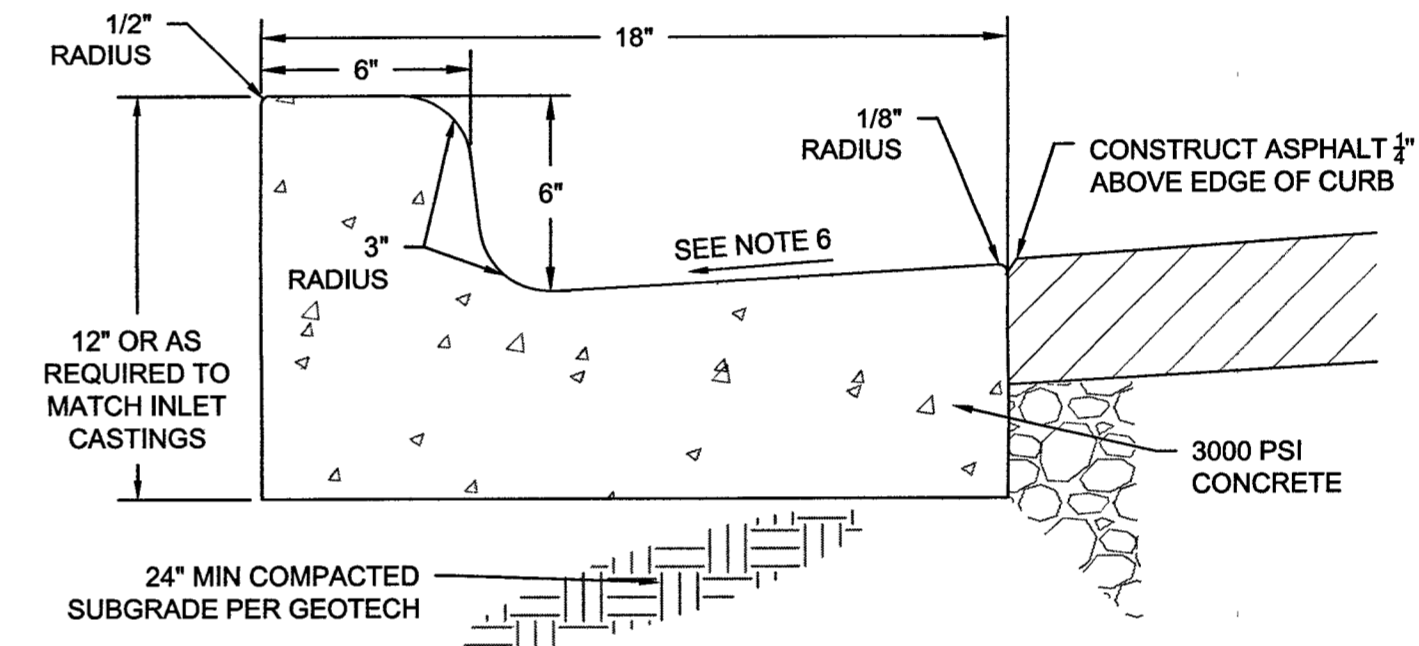
**5 CONCRETE SIDEWALK HEADER SECTION**  
NTS



**6 CONCRETE POST CURB**  
NTS

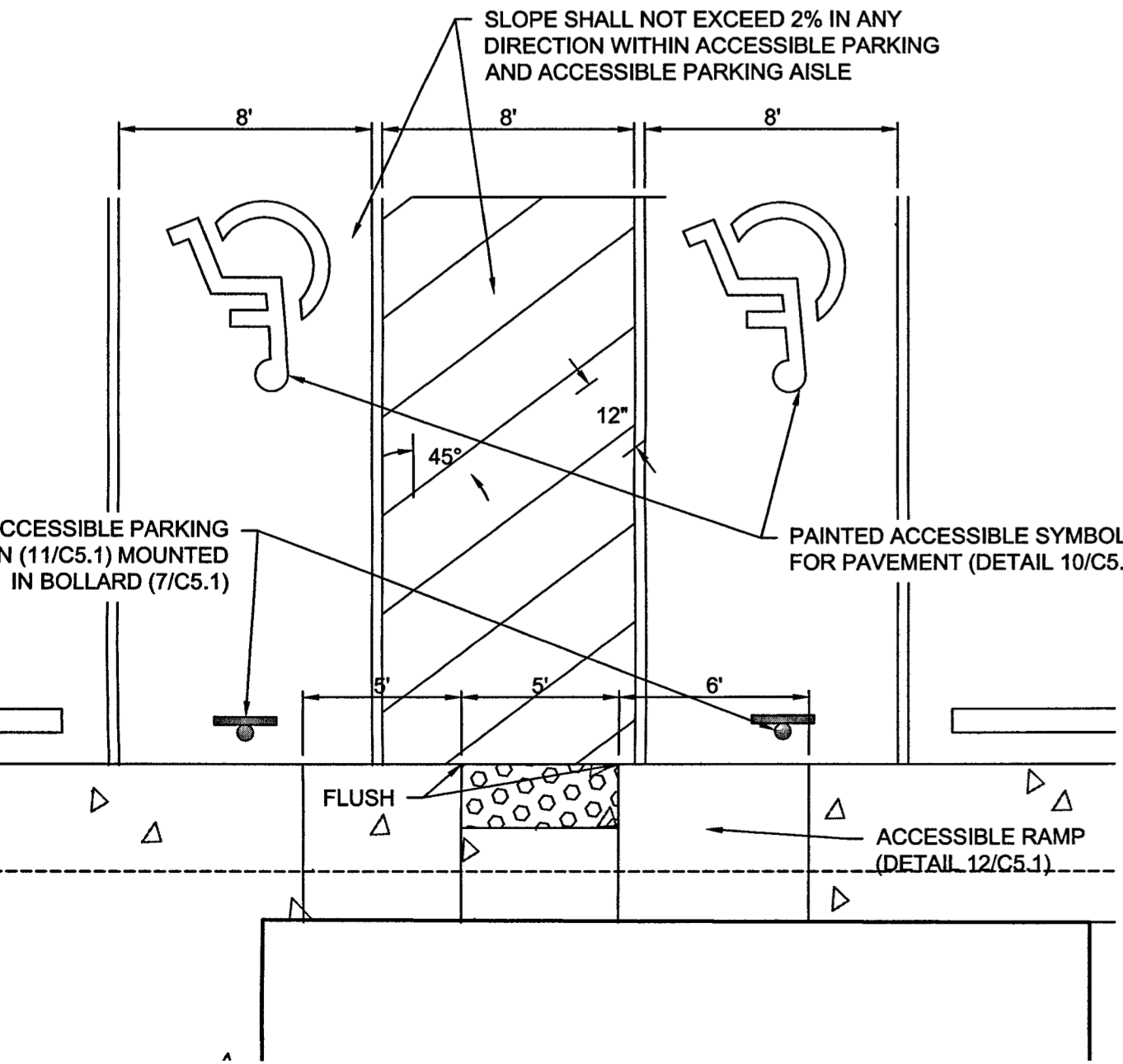


**7 BOLLARD**  
NTS

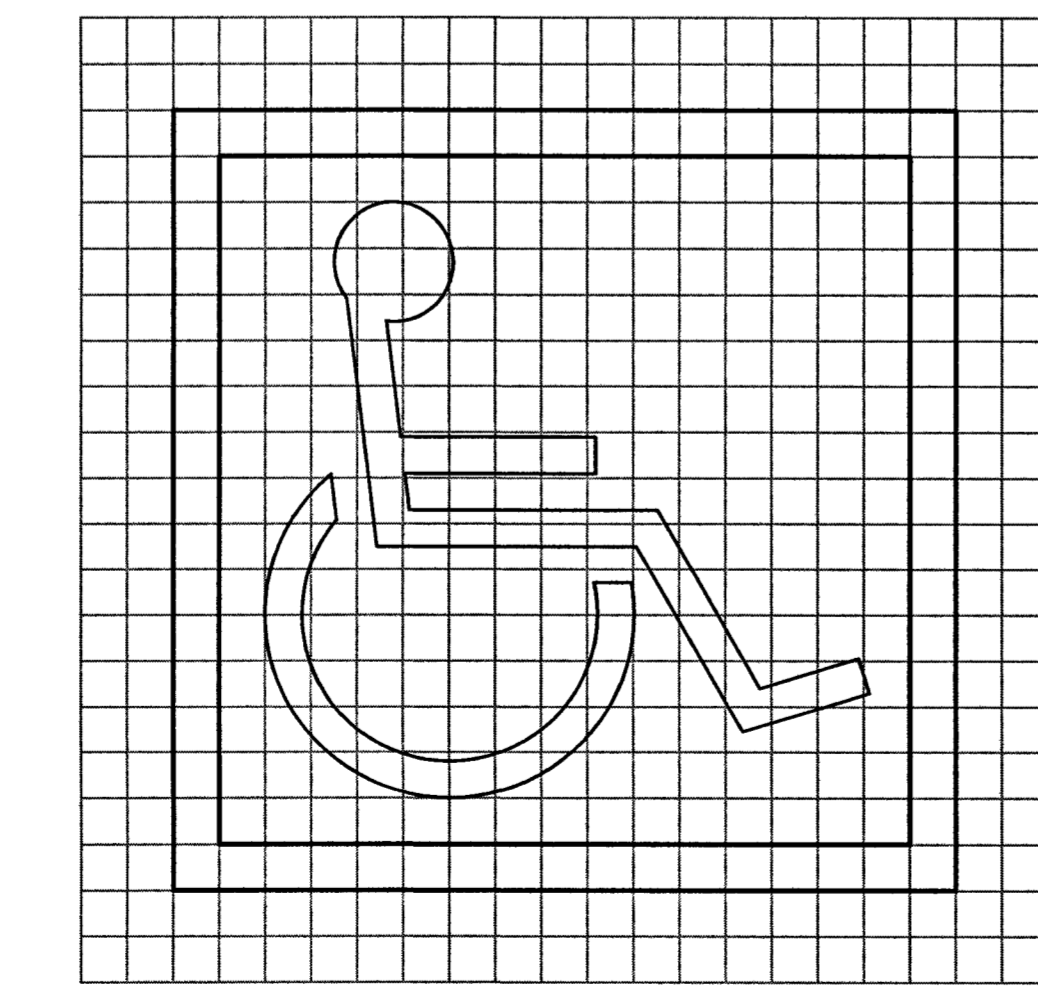


- NOTES:**
- CURB AND GUTTER SHALL BE CONSTRUCTION IN 10-FOOT LENGTHS, OR EXTRUDED AND THEN SAWCUT AT 10-FOOT INTERVALS TO A DEPTH OF 1-3/4 INCHES.
  - 1/2-INCH EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FEET, AT THE ENDS OF RETURNS AND AT ALL POINTS WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES OR INLET CASTINGS.
  - PITCHED CURB & GUTTER TO BE USED WHERE WATER FLOWS AWAY FROM THE CURB FACE. REFER TO GRADING PLAN, C4.1. 10-FOOT LONG TRANSITIONS SHALL BE PROVIDED BETWEEN NORMAL GUTTER AND PITCHED GUTTER.
  - ALL CONCRETE SHALL BE 4,000 PSI (TYP.)
  - CURB HEIGHT TO BE 6 INCHES UNLESS OTHERWISE NOTED ON GRADING PLAN, SHEET C4.1
  - CONSTRUCT NORMAL GUTTER SLOPE AT 8% SLOPE WHEN DRAINING TOWARDS CURB. CONSTRUCT PITCHED GUTTER AT 4% SLOPE WHEN DRAINING AWAY FROM CURB. WHERE GUTTER IS IN FRONT OF CURB RAMPS OR ACCESSIBLE ROUTES, CONSTRUCT GUTTER AT 1.5% MAX. SLOPE.

**8 CONCRETE CURB AND GUTTER**  
NTS

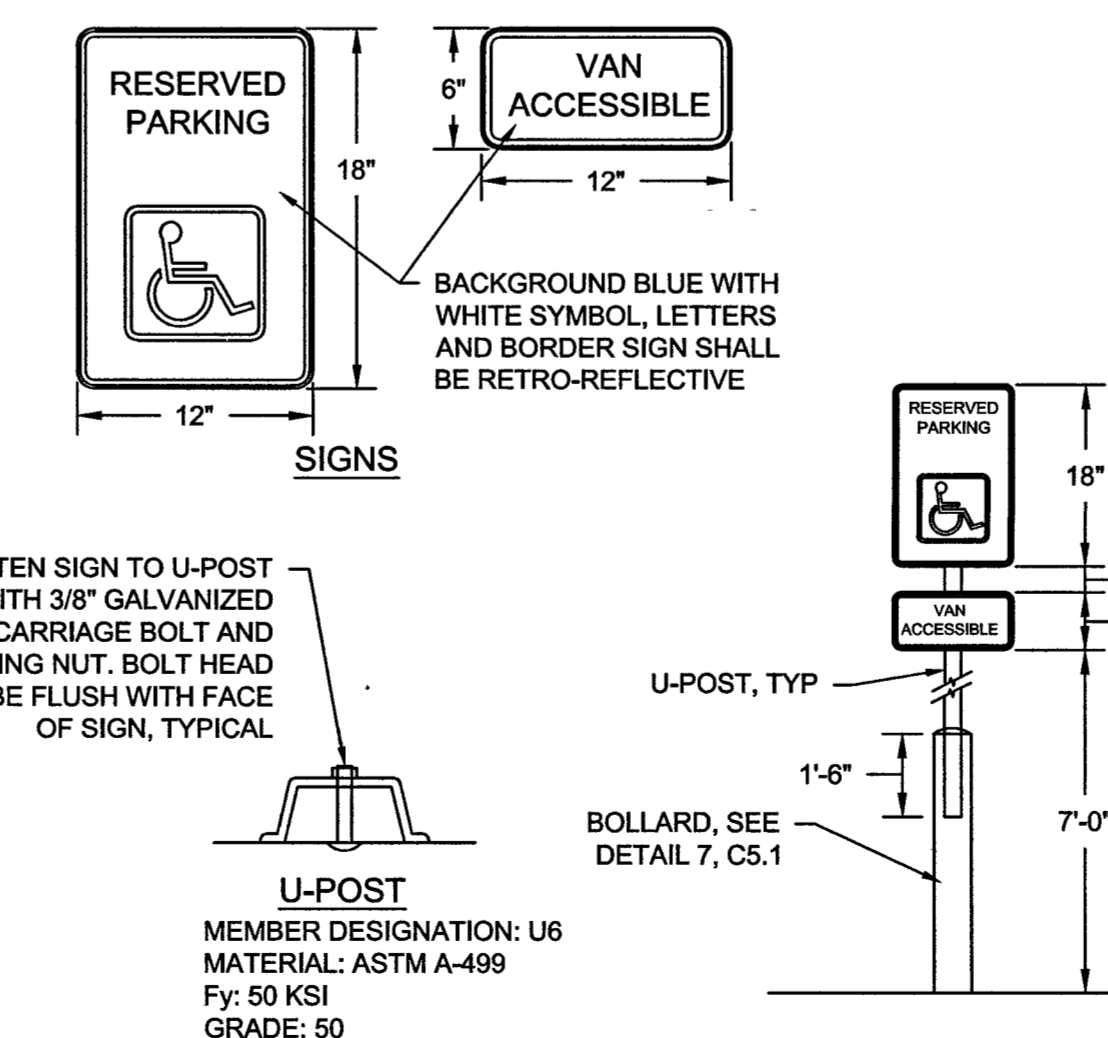


**9 ACCESSIBLE PARKING LAYOUT**  
NTS



4x4' GRID PROVIDED FOR LAYOUT OF SYMBOL. PROVIDE PAINT COLORS IN ACCORDANCE WITH ADA AND LOCAL REQUIREMENTS (TYPICALLY WHITE SYMBOL ON BLUE BACKGROUND INSIDE WHITE BORDER).

**10 PAINTED ACCESSIBLE SYMBOL FOR PAVEMENT**  
NTS



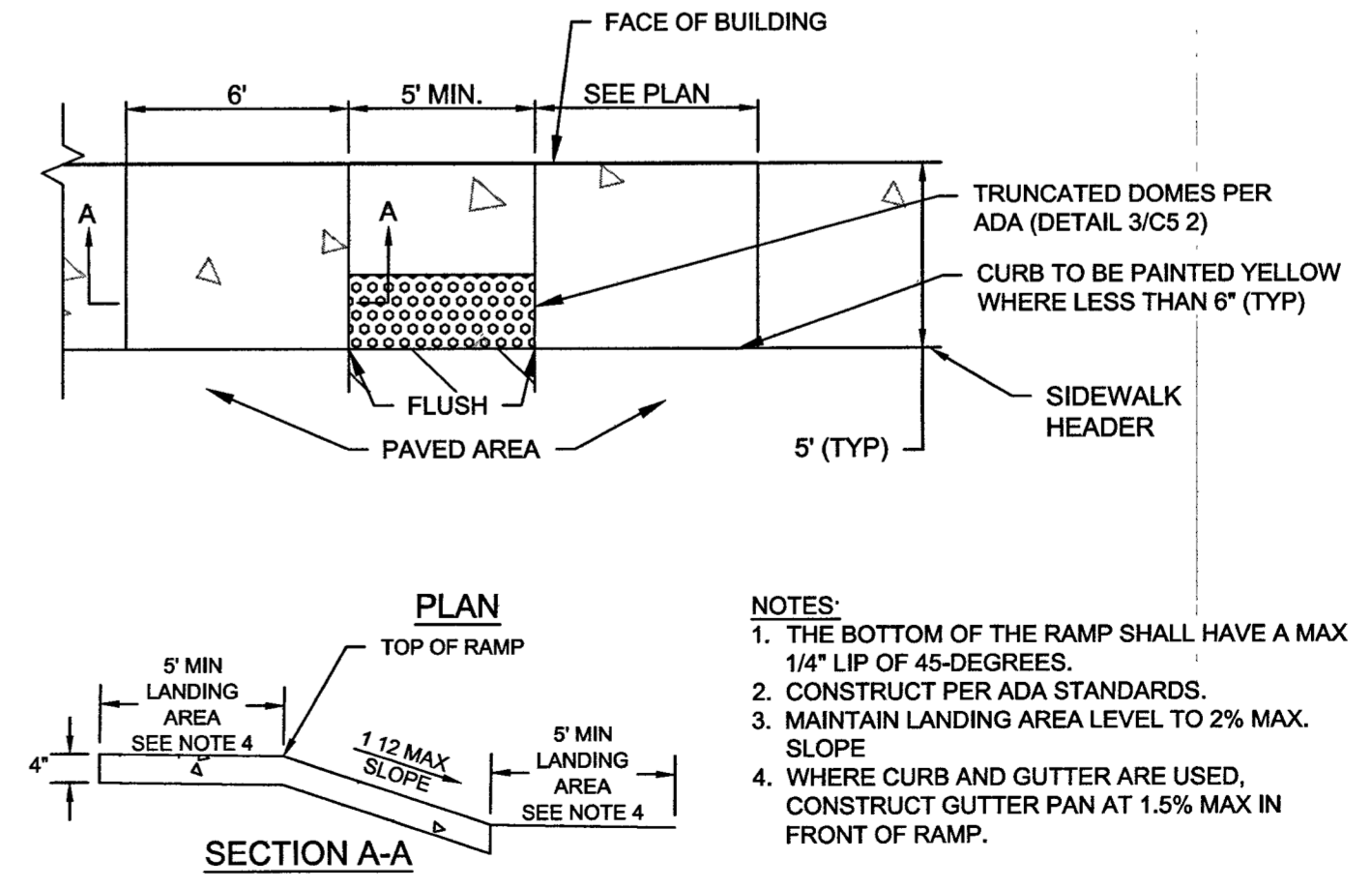
FASTEN SIGN TO U-POST WITH 3/8" GALVANIZED CARRIAGE BOLT AND LOCKING NUT. BOLT HEAD SHALL BE FLUSH WITH FACE OF SIGN, TYPICAL

U-POST, TYP

BOLLARD, SEE DETAIL 7, CS.1

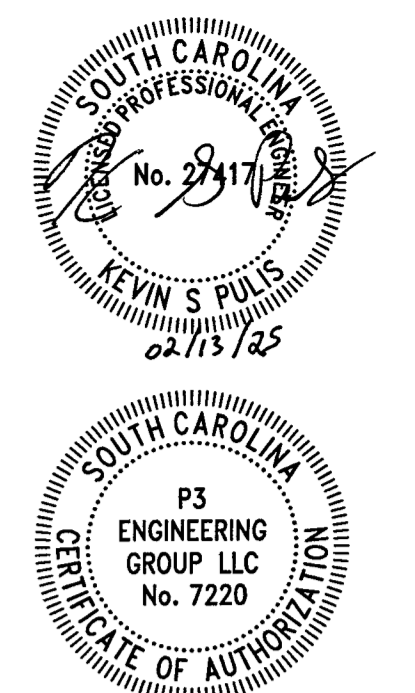
U-POST MEMBER DESIGNATION: U6  
MATERIAL: ASTM A-499  
Fy: 50 KSI  
GRADE: 50

**11 ACCESSIBLE PARKING SIGN**  
NTS



- NOTES:**
- THE BOTTOM OF THE RAMP SHALL HAVE A MAX 1/4" LIP OF 45-DEGREES.
  - CONSTRUCT PER ADA STANDARDS.
  - MAINTAIN LANDING AREA LEVEL TO 2% MAX. SLOPE
  - WHERE CURB AND GUTTER ARE USED, CONSTRUCT GUTTER PAN AT 1.5% MAX IN FRONT OF RAMP.

**12 PARALLEL RAMP IN SIDEWALK**  
NTS



**P3 ENGINEERING GROUP**

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LOS MARIACHIS  
1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE:	03/26/2024
REVISIONS:	
▲ CITY COMMENTS	07/16/2024
▲ BUILDING AREA	07/25/2024
▲ FIRE SERVICE	10/18/2024
▲ ARUNDEL DRIVEWAY	12/18/2024
▲ ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

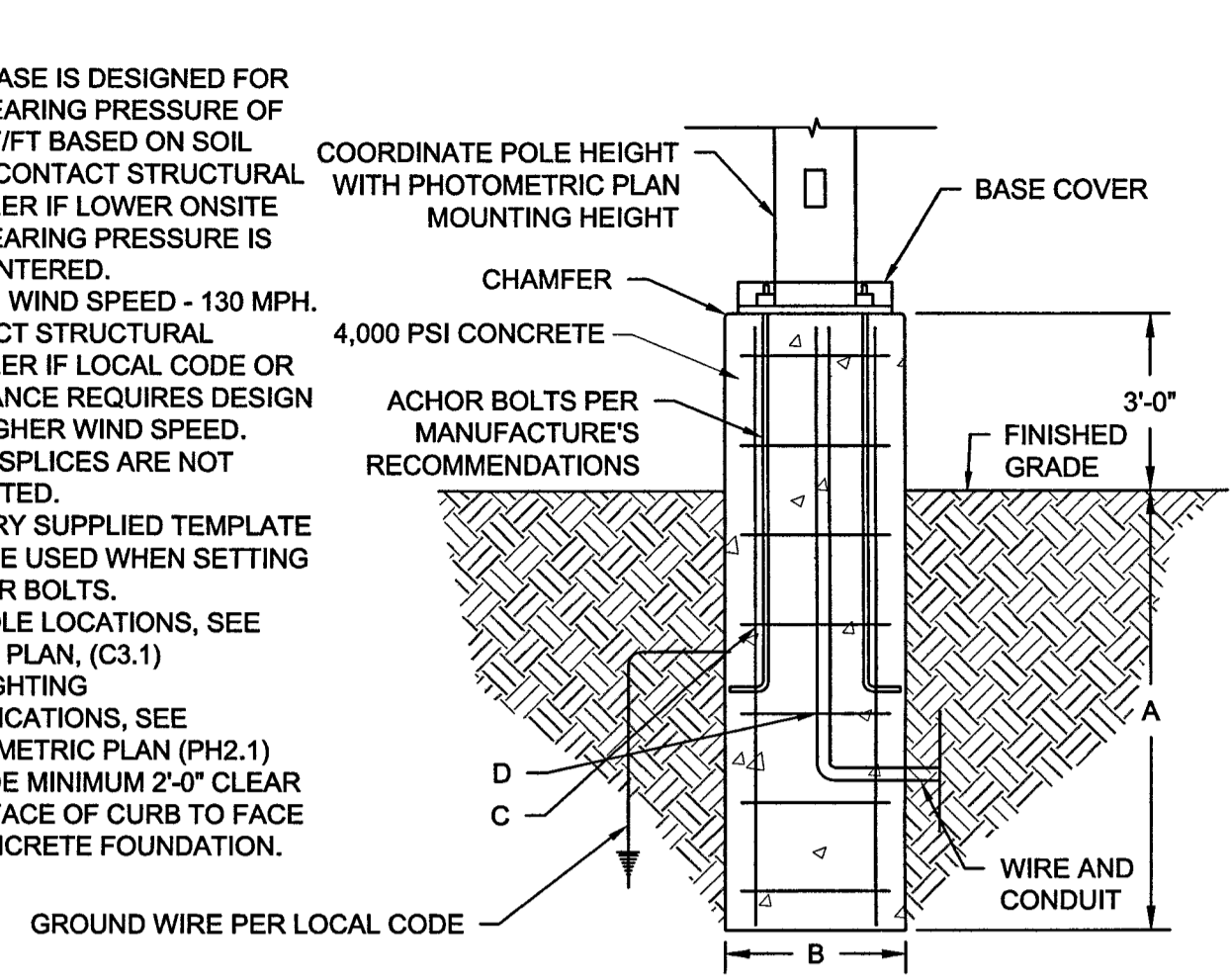
CIVIL DETAILS

**C5.1**

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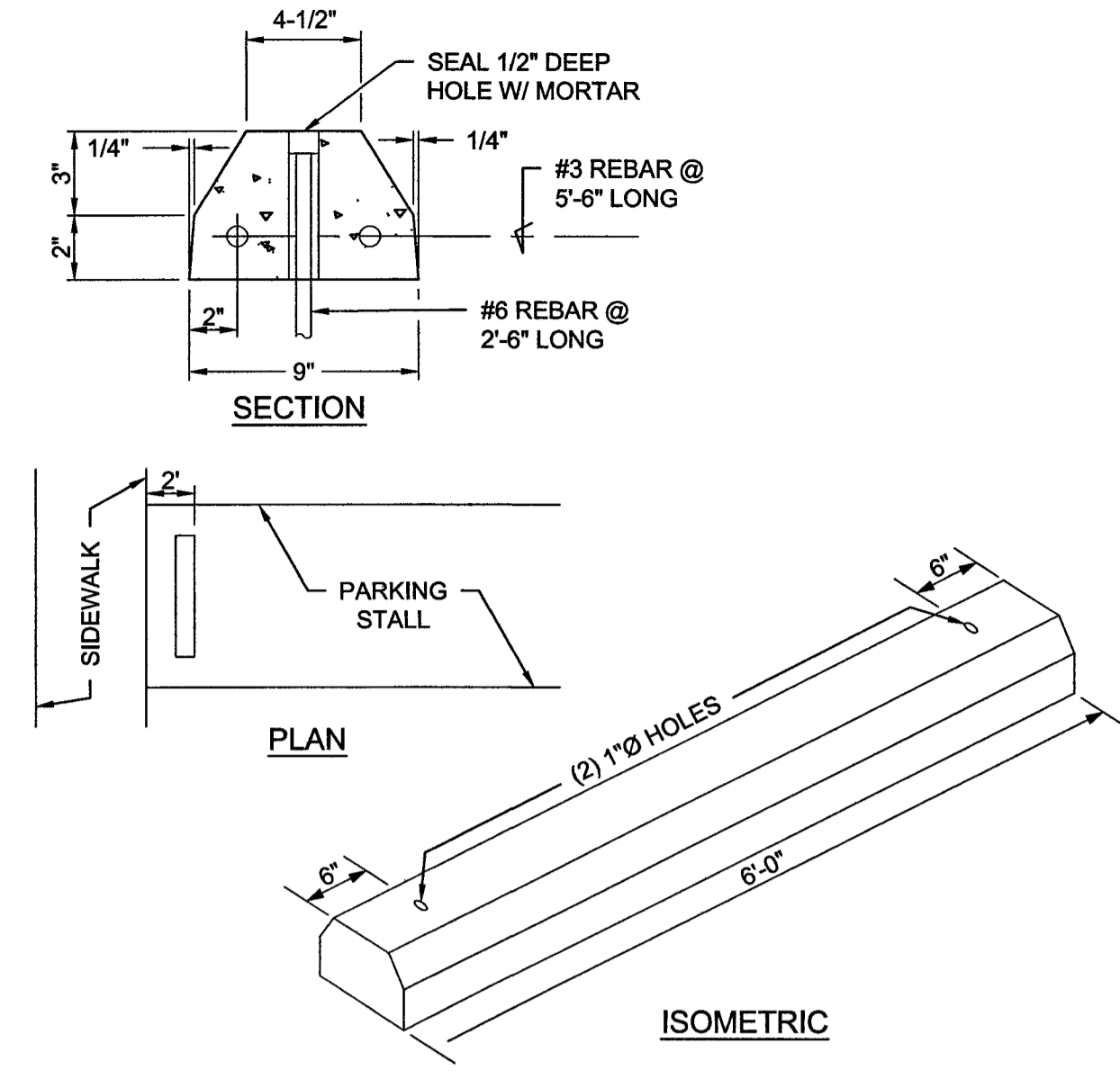
IF THIS SHEET DOES NOT MEASURE 24"x36", IT HAS BEEN ENLARGED OR REDUCED. PLEASE ADJUST SCALE ACCORDINGLY.

NOTES:  
 1. POLE BASE IS DESIGNED FOR SOIL BEARING PRESSURE OF 100 PSF/FT BASED ON SOIL TYPE. CONTACT STRUCTURAL ENGINEER IF LOWER ON-SITE SOIL BEARING PRESSURE IS ENCOUNTERED.  
 2. DESIGN WIND SPEED - 130 MPH. CONTACT STRUCTURAL ENGINEER IF LOCAL CODE OR ORDINANCE REQUIRES DESIGN FOR HIGHER WIND SPEED.  
 3. REBAR SPLICES ARE NOT PERMITTED.  
 4. FACTORY SUPPLIED TEMPLATE MUST BE USED WHEN SETTING ANCHOR BOLTS.  
 5. FOR POLE LOCATIONS, SEE UTILITY PLAN, (C3.1)  
 6. FOR LIGHTING SPECIFICATIONS, SEE PHOTOMETRIC PLAN (PH2.1)  
 7. PROVIDE MINIMUM 2'-0" CLEAR FROM FACE OF CURB TO FACE OF CONCRETE FOUNDATION.

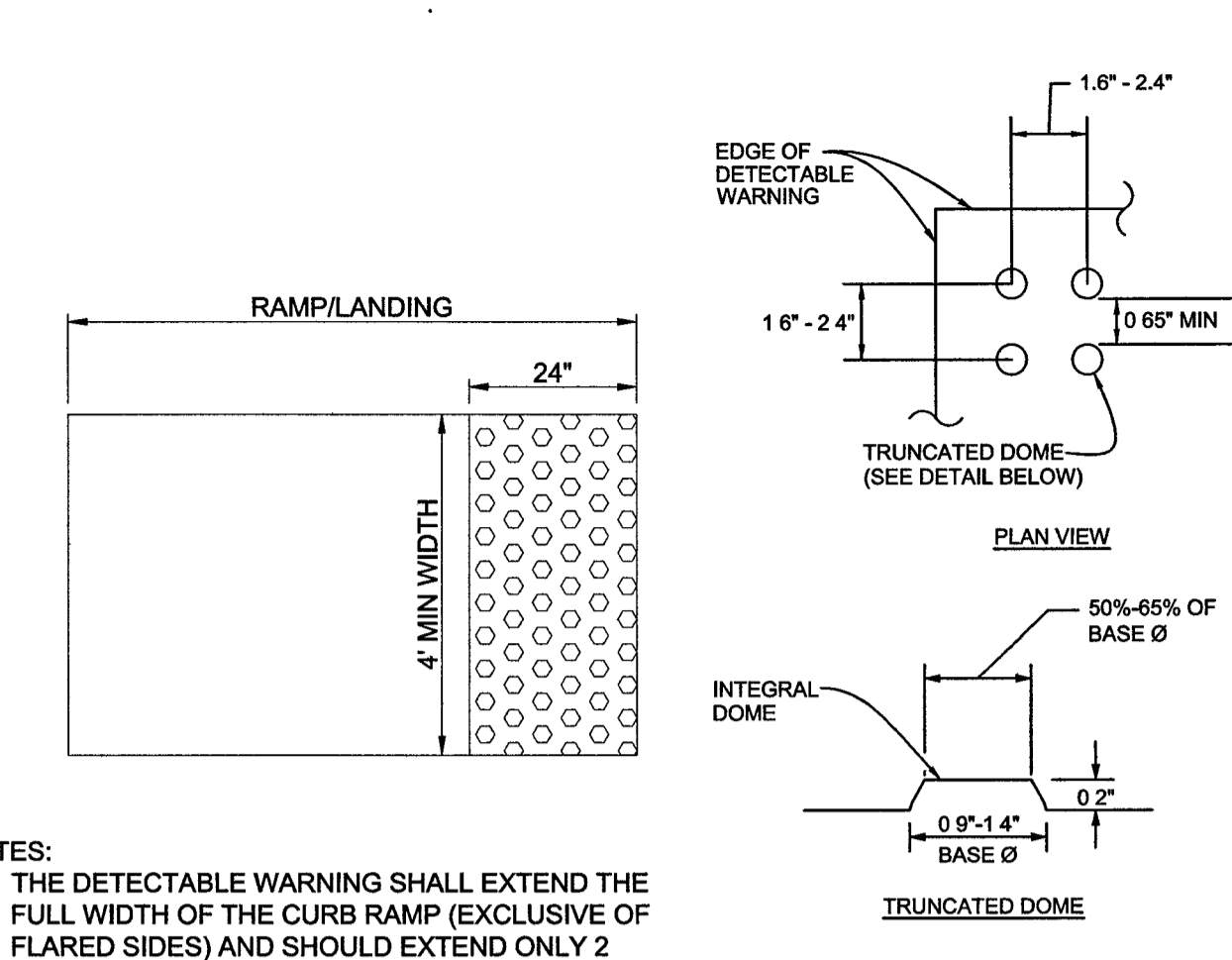


A	EMBEDMENT DEPTH (BELOW GRADE)	8'-3"
B	CONCRETE DIAMETER	30"
C	VERTICAL REINFORCEMENT	4 EA #5 SPACED EQUALLY
	HORIZONTAL REINFORCEMENT	#3 AT 12" O.C.

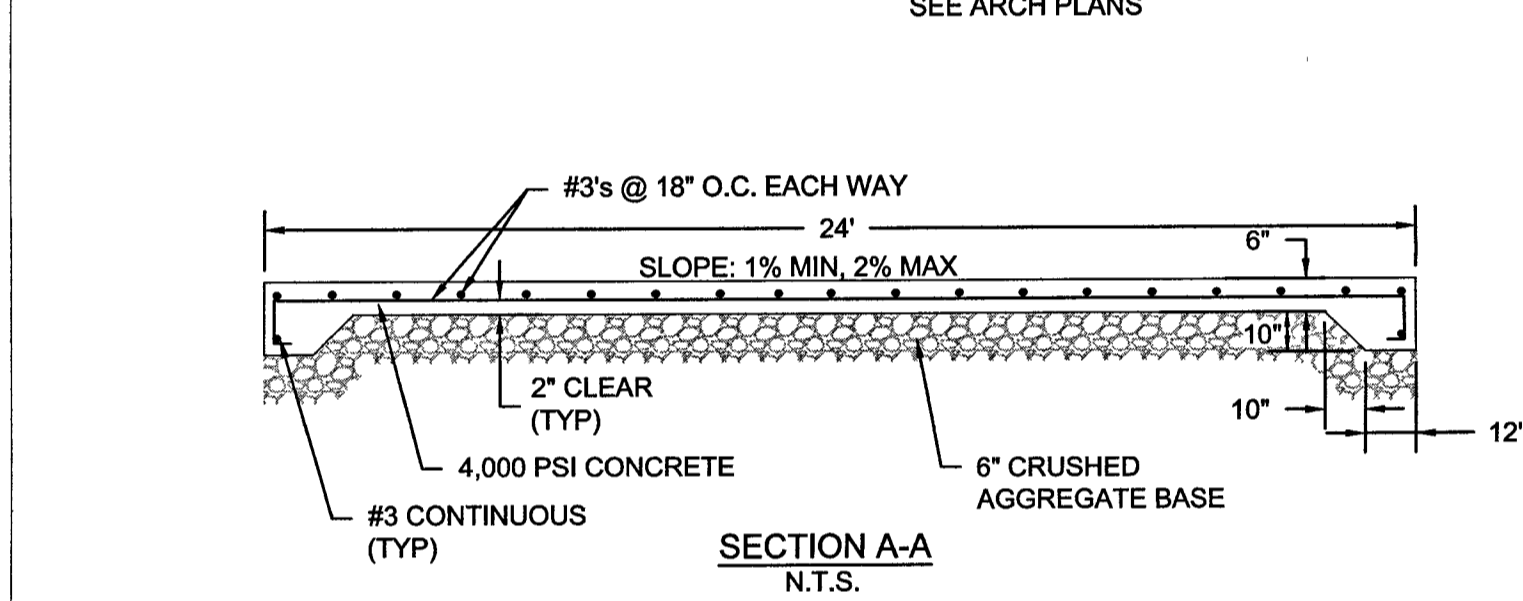
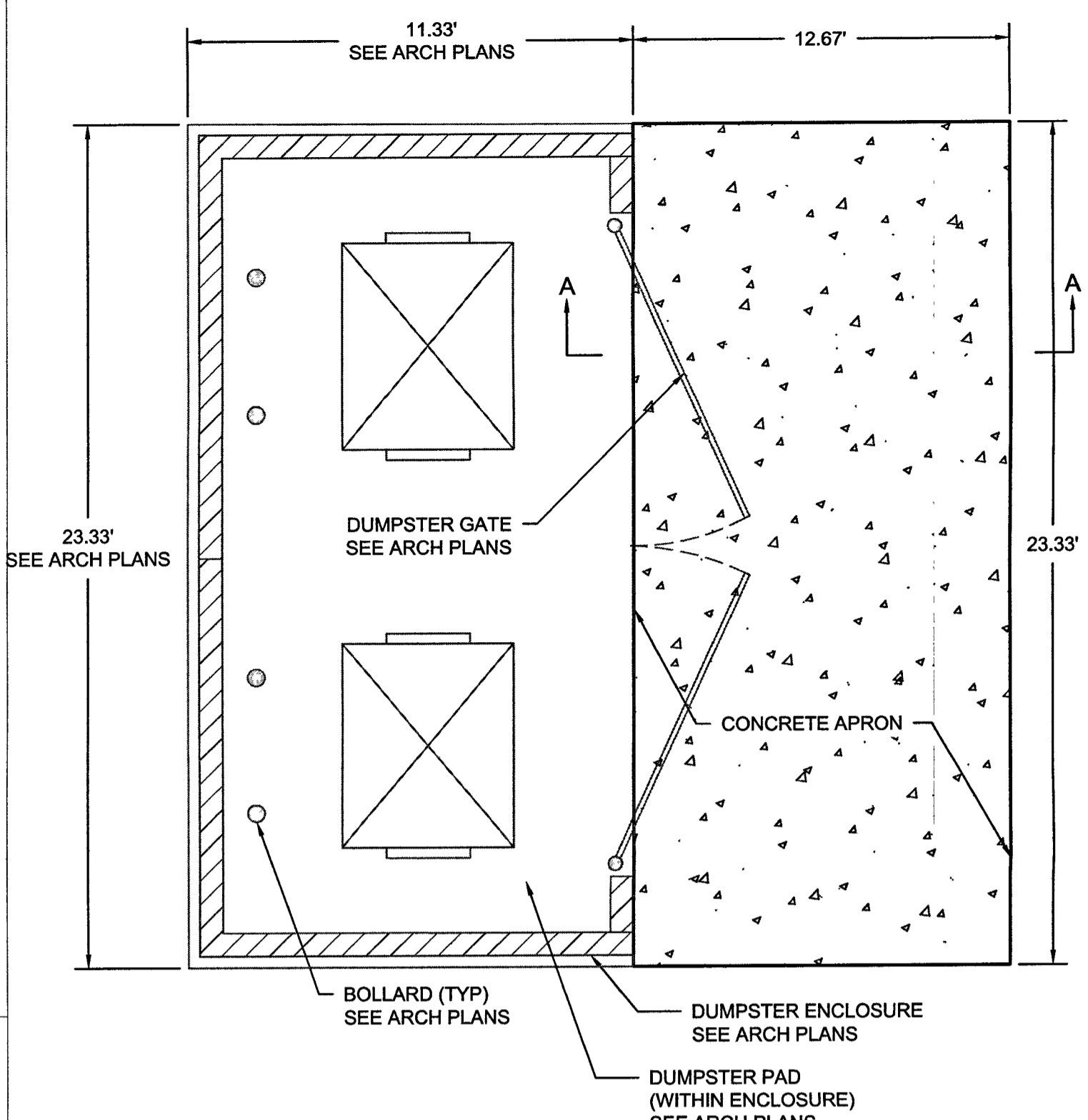
**1 CONCRETE LIGHT POLE BASE**  
NTS



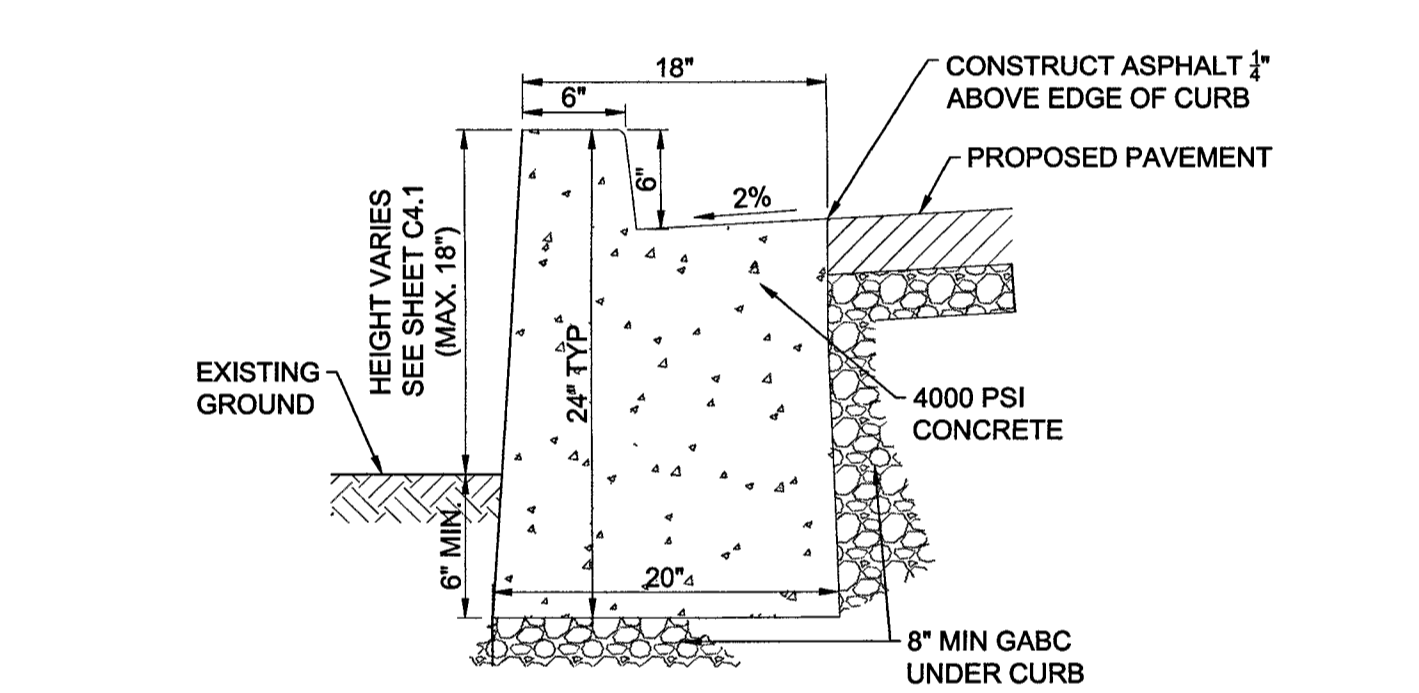
**2 PRECAST CONCRETE WHEEL STOP**  
NTS



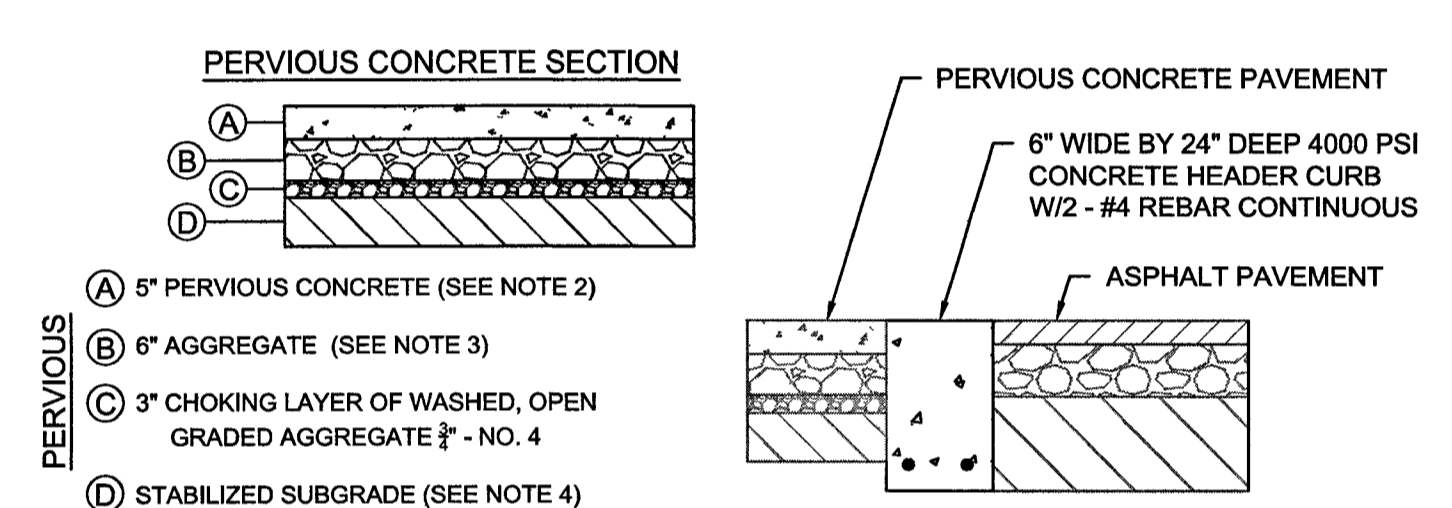
**3 DETECTABLE WARNING**  
NTS



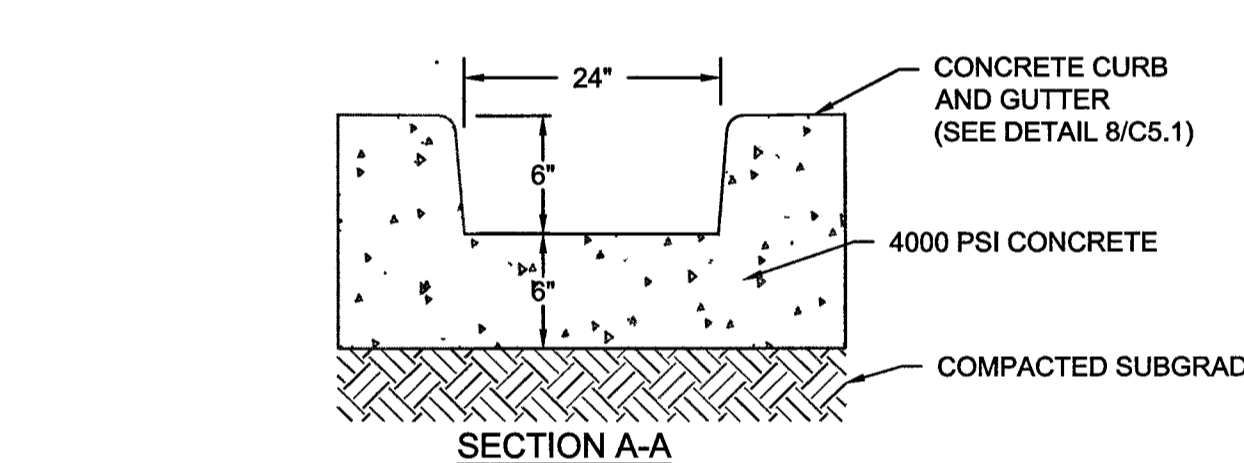
**4 CONCRETE APRON**  
NTS



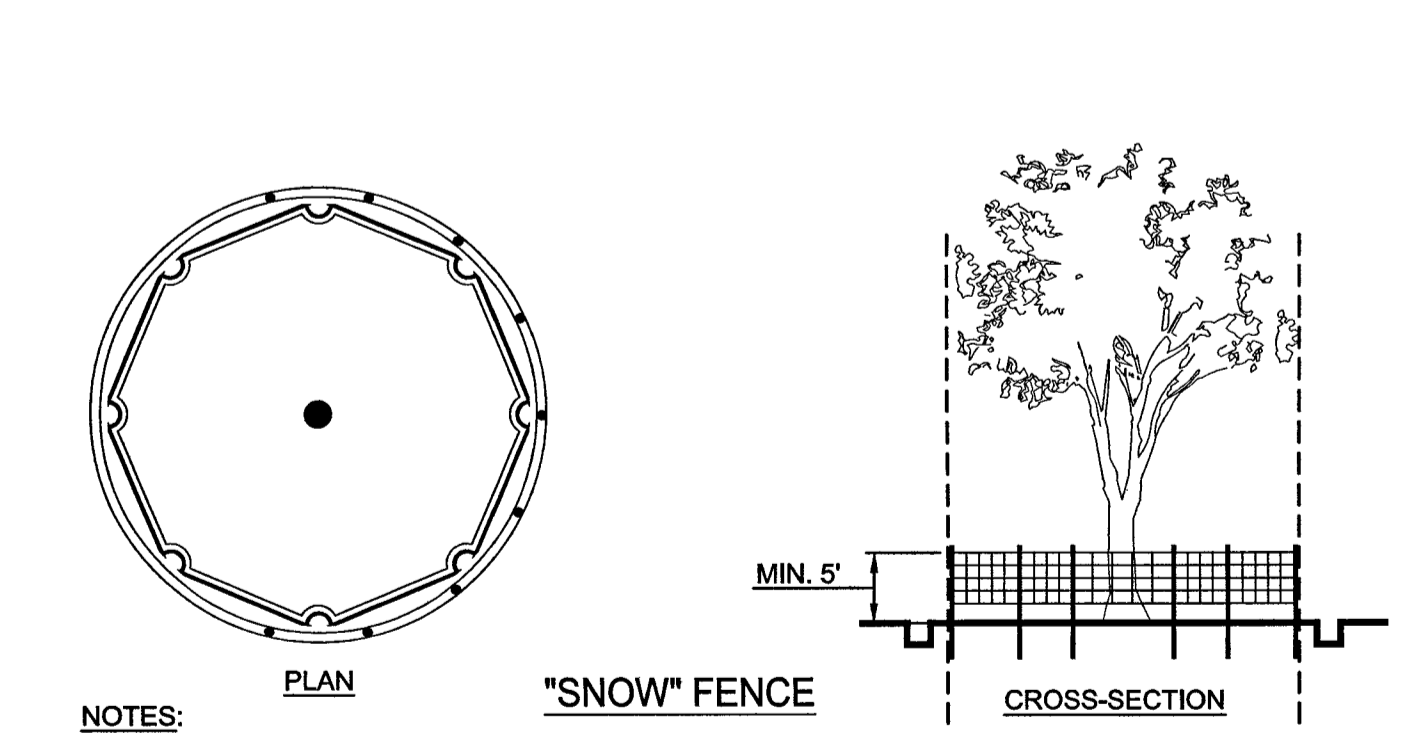
**5 CONCRETE CURB AND GUTTER WALL**  
NTS



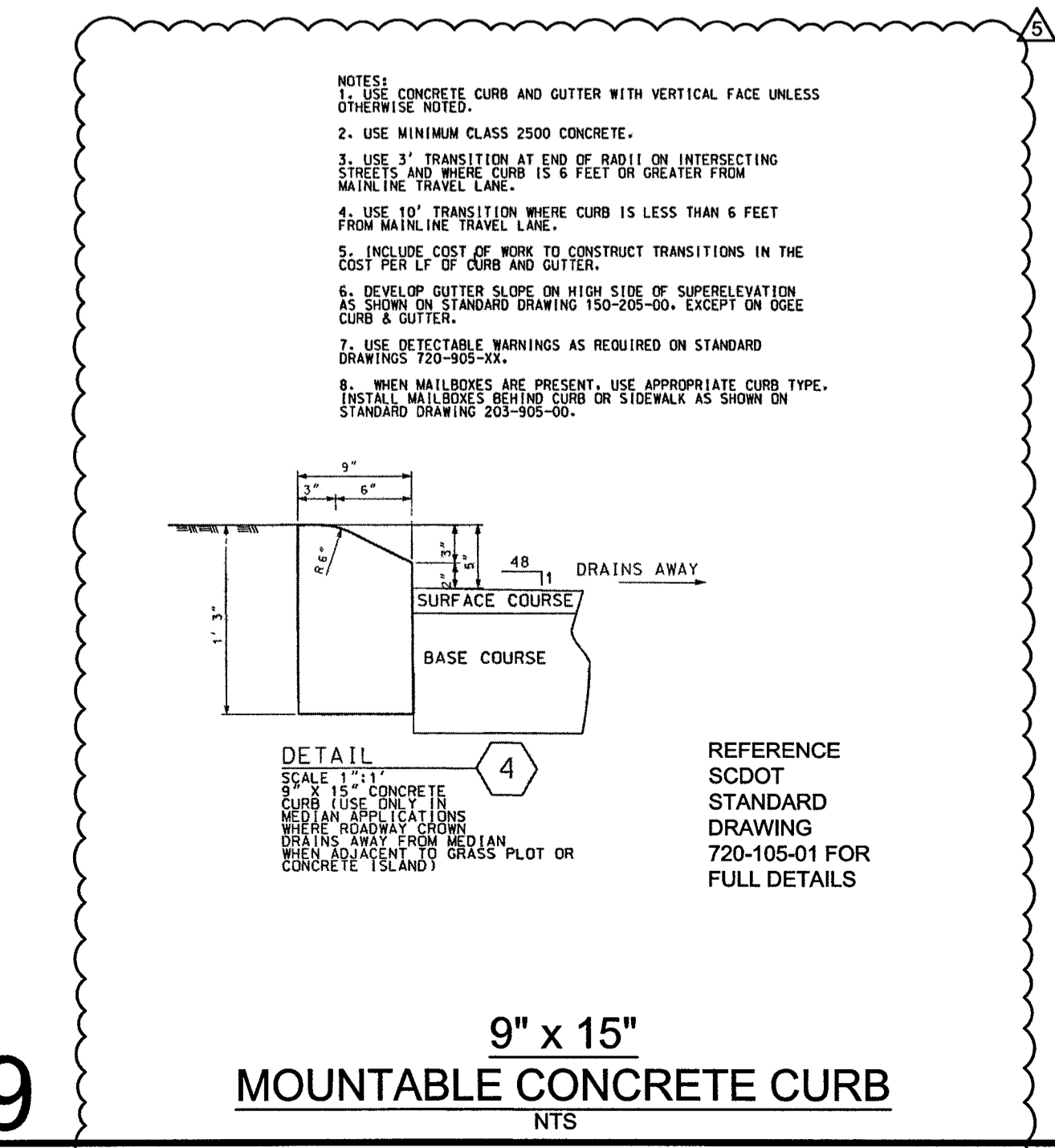
**6 PERVIOUS CONCRETE**  
NTS



**7 CURB FLUME**  
NTS



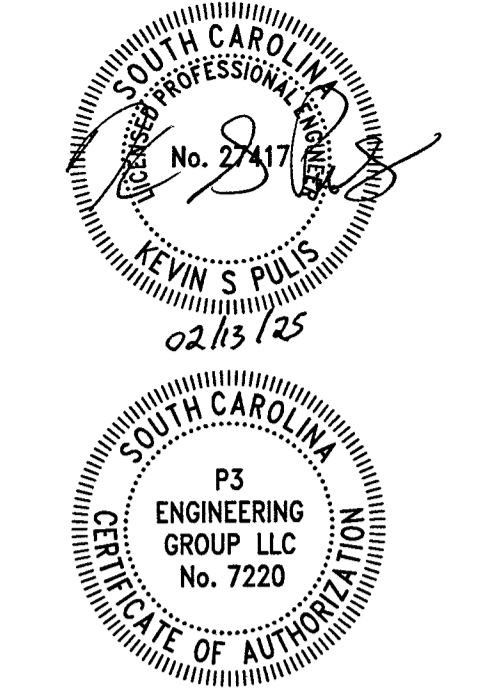
**8 TREE PROTECTION**  
NTS



**9 9" x 15" MOUNTABLE CONCRETE CURB**  
NTS

**10**

**11**



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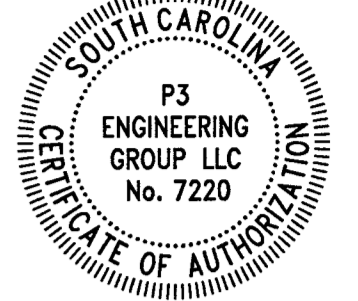
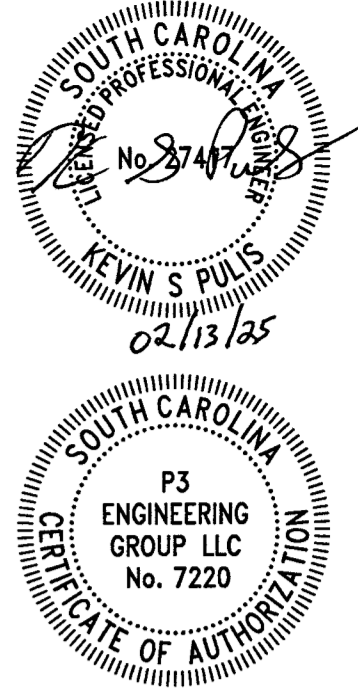
**LOS MARIACHIS**  
 1229 HIGHWAY 9 BYPASS WEST  
 LANCASTER, SOUTH CAROLINA

ORIGINAL ISSUE DATE:	03/26/2024
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▲ CITY COMMENTS	07/16/2024
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▲ ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001  
 CIVIL DETAILS  
**C5.2**

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LOS MARIACHIS  
1229 HIGHWAY 9 BYPASS WEST  
LANCASTER, SOUTH CAROLINA

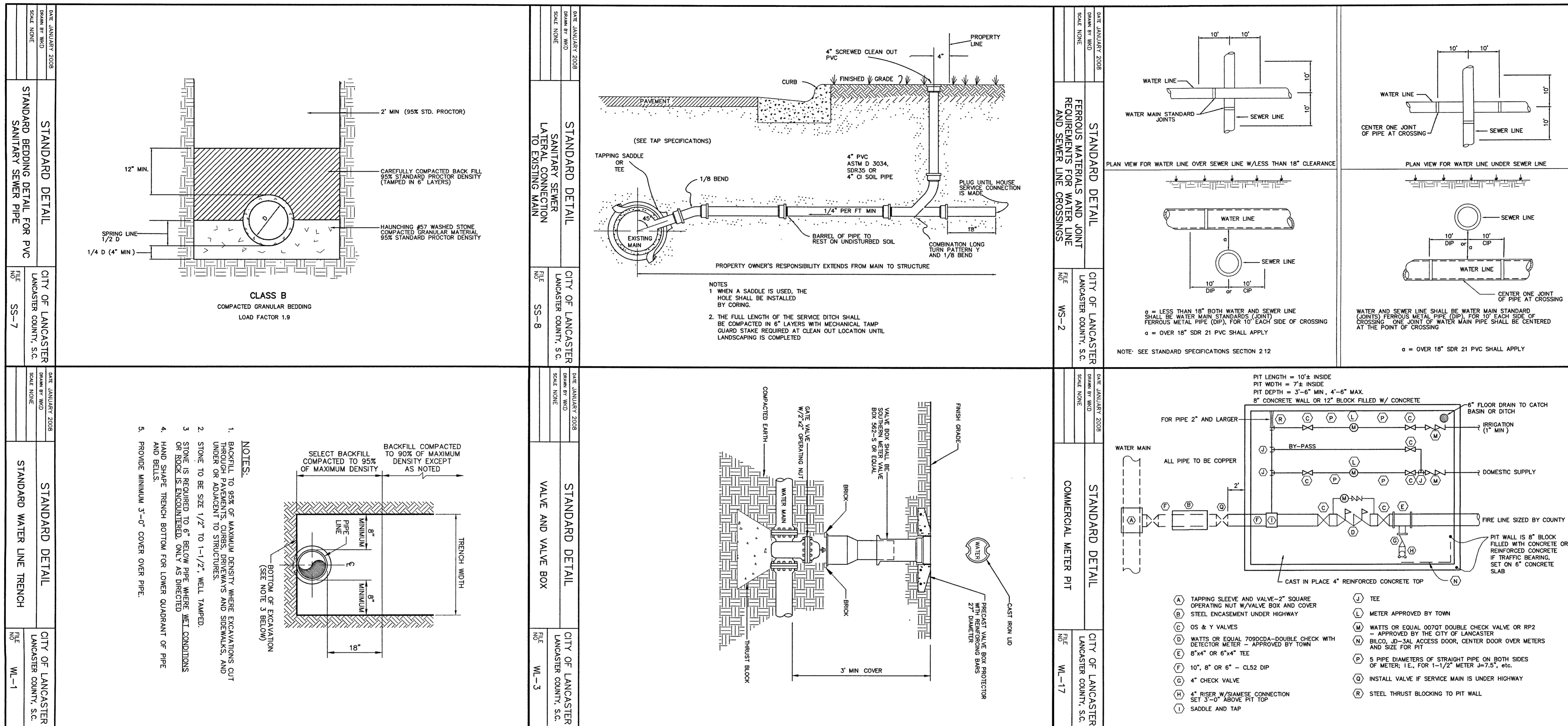
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PROJ. NO.: 23001

CIVIL DETAILS

**C5.3**

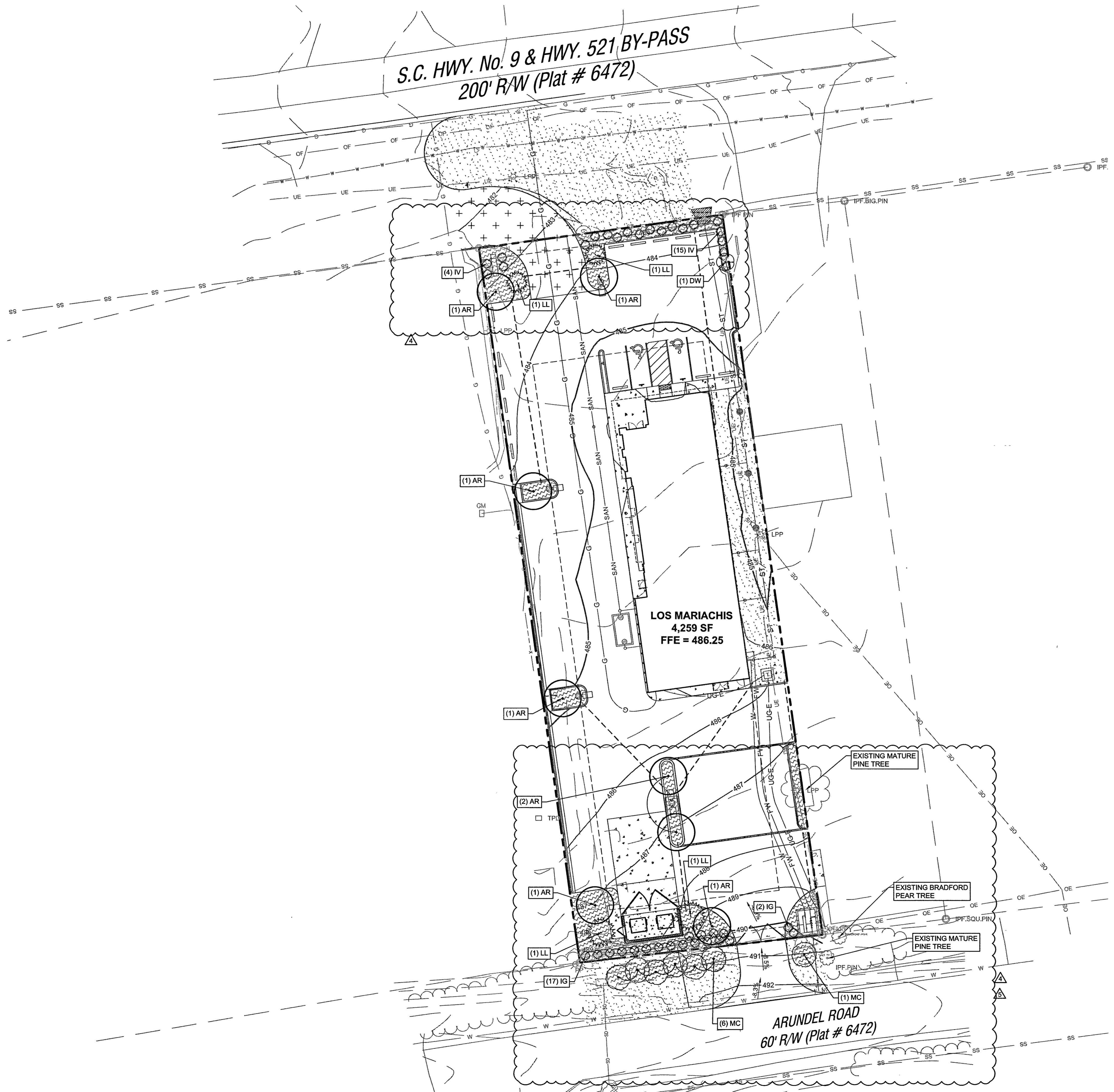
SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PURCHASE





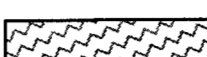
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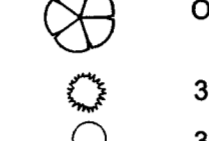


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S.C. HWY. No. 9 & HWY. 521 BY-PASS  
200' R/W (Plat # 6472)



LANDSCAPE LEGEND

-  TURF REINFORCEMENT MATTING
-  AREA TO BE SEEDED WITH PREMIUM TURF GRASS, COMMERCIAL GRADE & LOCALLY SOURCED BETWEEN APRIL 1 AND JUNE 1. USE A TEMPORARY STABILIZATION OR ANNUAL RYE SEEDED AT THE RATE OF 4 LBS. PER 1,000 SF AT ALL OTHER TIMES. TEMPORARY RYE LAWNS SHALL BE SCARIFIED AND OVER SEEDED AS SPECIFIED ABOVE BETWEEN APRIL 1 AND JUNE 1.
-  GROUND COVER  
(AREA TO BE MULCHED WITH PINESTRAW, COVERED WITH WEED MATTING, AND EDGED WITH METAL EDGING RE: LANDSCAPE NOTES ON L5.1)

-  CANOPY TREE
-  EVERGREEN TREE
-  ORNAMENTAL TREE
-  3 GALLON EVERGREEN SHRUB
-  3 GALLON DECIDUOUS SHRUB

REFER TO SHEET L5.1 FOR LANDSCAPE AND CONSTRUCTION CLOSE-OUT NOTES.

LANDSCAPE CALCULATIONS

SITE AREA = 29,440 SF  
 LANDSCAPE AREA = 4,290 SF  
 PERVIOUS PAVEMENT = 1,580 SF  
 IMPERVIOUS AREA = 23,570 SF  
 TOTAL PERVIOUS = 5,870 SF

% LANDSCAPE = 4,290 / 29,440  
 % LANDSCAPE = 14.6%

LANDSCAPE BUFFERS

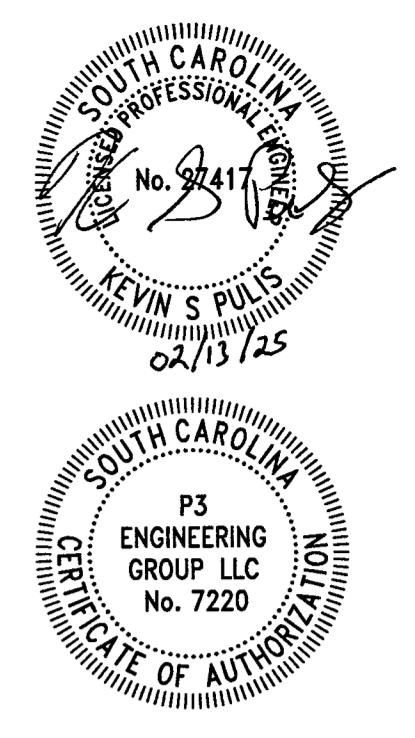
FRONT PROPERTY LINE = 100.03'  
 REAR PROPERTY LINE = 99.37'

VEHICULAR BORDERS

HWY 9 BYPASS W (100.03'): ONE (1) 2.5" TREE PER 30 LF = 4 TREES REQUIRED  
 ARUNDEL ROAD (99.37'): ONE (1) 2.5" TREE PER 30 LF = 4 TREES REQUIRED

PLANT LIST

CANOPY TREES				
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AR	Acer Rubrum	Red Maple	2 5" Caliper	B&B
EVERGREEN TREES				
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
LL	Llex Latifolia	Lusterleaf Holly	2 5" Caliper	B&B
ORNAMENTAL TREES				
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
MC	Myrica cerifera	Southern Wax Myrtle	2" Caliper	B&B
DW	Cornus Florida	Dogwood	2" Caliper	B&B
SHRUBS				
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
IG	Ilex Glabra	Dwarf Inkberry	24" Width, 30" Height	
IV	Ilex Vomitoria	Dwarf Yaupon Holly	24" Width, 30" Height	



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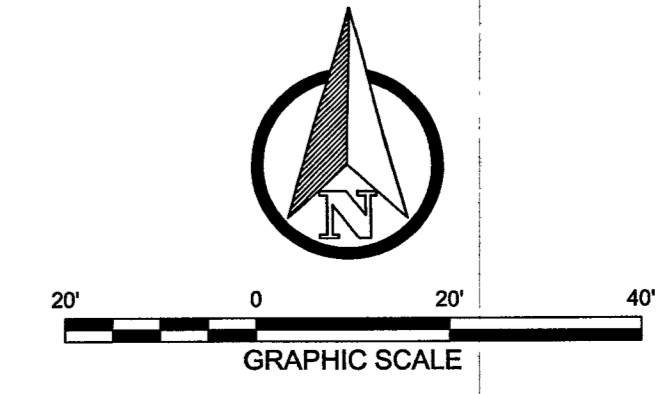
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PROJ. NO.: 23001

LANDSCAPE PLAN

L2.1



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**LANDSCAPE NOTES**

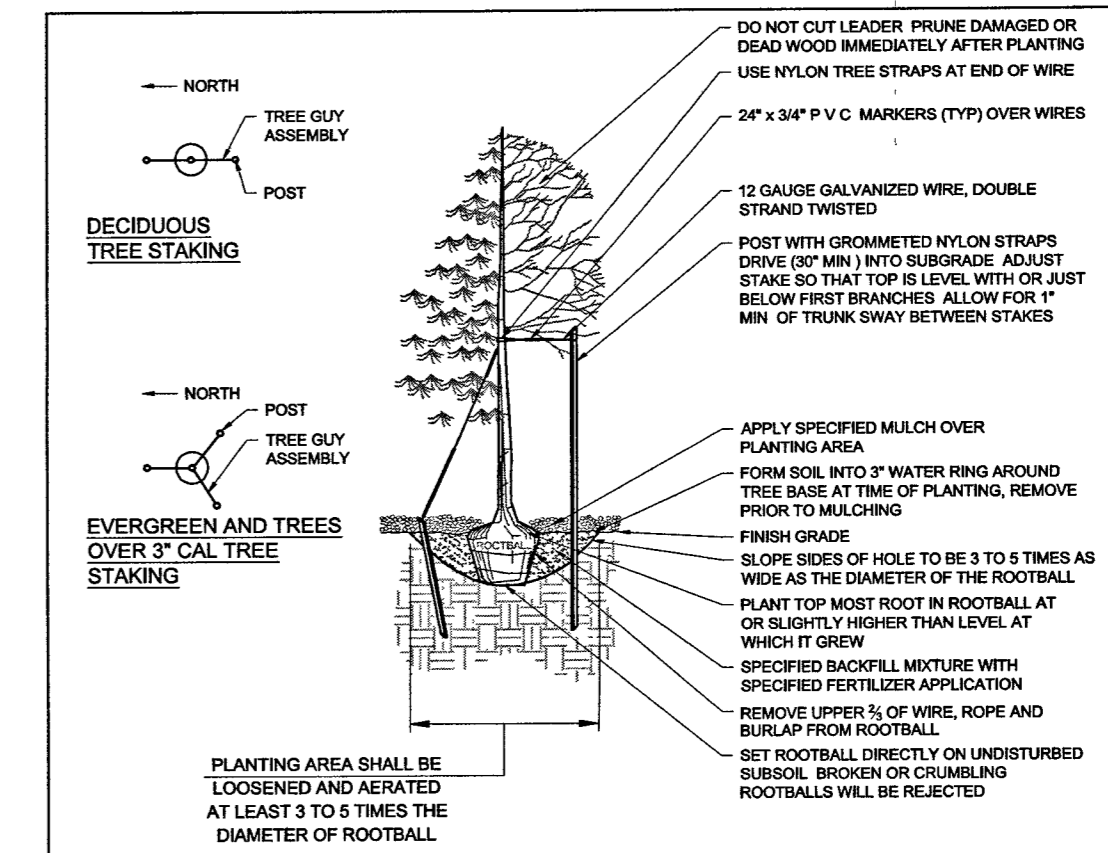
- THE LANDSCAPE PLAN DESCRIBES THE LANDSCAPE PORTION OF THE PROJECT ONLY. SEE OTHER SHEETS FOR SITE IMPROVEMENT INFORMATION.
- THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK. THE CONTRACTOR SHALL CONTACT THE UTILITIES NOTIFICATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION OR CONSTRUCTION TO REQUEST EXACT FIELD LOCATIONS OF ALL UTILITIES. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- CONTRACTOR TO HAVE ALL UTILITIES FIELD LOCATED AND MARKED ON SITE PRIOR TO LANDSCAPE BEING PLANTED. UTILITY LOCATION DISCREPANCIES FROM PLANS TO BE IDENTIFIED AND LANDSCAPE ARCHITECT TO BE INFORMED PRIOR TO PLANTING. TREES MUST NOT BE PLANTED WITHIN 10' OF ANY UTILITIES.
- CONTRACTOR SHALL HAVE EXISTING AND NEW UTILITY LOCATIONS MARKED, FOR REFERENCE, DURING APPROVAL OF FINAL TREE PLANTING LAYOUT.
- WHEN APPLICABLE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING TREES TO REMAIN. NO HEAVY EQUIPMENT SHOULD BE PERMITTED TO OPERATE OR BE STORED, NOR ANY MATERIALS TO BE HANDLED OR STORED, WITHIN THE DRUPLINES OF TREES OUTSIDE THE LIMIT OF GRADING.
- MINIMIZE DISTURBANCE OUTSIDE SCOPE OF WORK. ANY DAMAGE OUTSIDE SCOPE OF WORK INCURRED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO LIKE NEW CONDITION.
- CONTRACTOR SHALL MAINTAIN IRRIGATION TO EXISTING SOD AND OTHER PLANT MATERIAL TO REMAIN.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL PLANTING PLANS. SHOULD DISCREPANCIES EXIST BETWEEN THE QUANTITIES OR S.F. AREAS PROVIDED IN THE LABEL AND THOSE DRAWN ON THE PLAN, THE PLAN SHALL GOVERN.
- NO PLANT SHALL BE INSTALLED BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT, OR EQUAL.
- ALL PLANTS SHALL HAVE THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING, UNLESS OTHERWISE SPECIFIED OR DETAILED.
- ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL SHALL BE REMOVED COMPLETELY AT TIME OF PLANTING.
- CUT AWAY ROPES OR WIRES FROM 888 PLANTS. PULL BACK BURLAP FROM TOP OF ROOT BALL. DO NOT ALLOW BURLAP TO BE EXPOSED AT SURFACE. TOTALLY REMOVE BURLAP IF IT IS SYNTHETIC. IF CONTAINER GROWN PLANTS SHOW SIGNS OF BEING ROOT BOUND, SCORE ROOTS VERTICALLY.
- WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN AT LEAST TWO VERTICAL LOCATIONS.
- DO NOT PLANT TREES WITHIN 10 FEET OF CENTERLINE OF UTILITIES OR WITHIN UTILITY EASEMENTS. IF UTILITY INSTALLATION DIFFERS FROM WHAT PLANS SHOW THEN INFORM LANDSCAPE ARCHITECT AND CIVIL ENGINEER OF CONFLICTING CONDITIONS.
- REFER TO THE DETAILS AND NOTES FOR REQUIRED PLANTING METHODS, SOIL PREPARATION, AND OTHER INFORMATION REGARDING PLANTING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING NECESSARY FOR INITIAL ESTABLISHMENT OF LANDSCAPE. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN, IF NECESSARY, DURING THE FIRST GROWING SEASON. CONTRACTOR SHALL ALSO BE REQUIRED TO MAINTAIN LANDSCAPE THROUGH SUBSTANTIAL COMPLETION. MAINTENANCE SHALL INCLUDE (BUT IS NOT LIMITED TO) WATERING, MOWING, PRUNING, AND WEEDING.
- PLANT MATERIAL SHALL NOT BE PRUNED UNLESS OTHERWISE INDICATED IN PLANTING SCHEDULE.
- AREAS TO RECEIVE LANDSCAPE SHALL BE TILLED TO A DEPTH OF 12-INCHES, THEN APPLY SPECIFIED SOIL AMENDMENT OVER SURFACE. TILL AREAS AGAIN TO A MINIMUM DEPTH OF 8-INCHES.
- FINISH GRADES IN PLANTING AREAS SHALL BE SET TO INCLUDE THE APPLICATION OF TOPSOIL IN MEETING SPOT ELEVATIONS ON CONTOURS SHOWN ON PLANS. SLOPES SHALL BE SMOOTH AND WORKED. SOIL SHALL NOT BE LEFT IN CLUMP FORM. HOLD FINISHED GRADE OF MULCH A MINIMUM OF 3" BELOW EDGE OF WALK, EDGING, OR CURB.
- TRANSPLANTED TREES SHALL HAVE THE SAME ASPECT IN FINAL LOCATION (I.E. EXISTING NORTH ASPECT SHALL FACE NORTH IN FINAL LOCATION).
- ALL AREAS DISTURBED BY UTILITY TRENCHING, SITE AND BUILDING CONSTRUCTION SHALL BE STABILIZED WITH SODDING AND SEEDING AS SHOWN BY THE PLAN.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO CONFIRM MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT LIST.
- THE LANDSCAPE INSTALLATION SHALL BE COORDINATED WITH THE IRRIGATION INSTALLATION WHEN APPLICABLE.
- THE LANDSCAPE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES AND TAKE SPECIAL CARE TO INSURE THAT BED PREPARATION DOES NOT INHIBIT DRAINAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING BEHIND THE CURB SO GRADE IS LEVEL WITH TOP OF CURB.
- ALL LAWN AREAS SHALL BE CULTIVATED TO A DEPTH OF 4" PRIOR TO SODDING AND SEEDING. PREPARED SOD AND SEED BEDS SHALL BE FREE FROM STONES OVER 2" DIAMETER AND OTHER DELETERIOUS MATERIAL.
- THE LANDSCAPE CONTRACTOR SHALL RAKE SMOOTH ALL SEED OR SOD AREAS PRIOR TO INSTALLATION.
- SODDED AREAS SHALL HAVE NO BARE AREAS. SEEDING AREAS SHALL BE CONSIDERED ACCEPTABLE WHEN FULL COVERAGE OF THE PERMANENT TURFGRASS SPECIES IS ESTABLISHED.
- THE QUANTITIES INDICATED ON THE PLANT LIST AND PLAN ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS AND THE LIABILITY WHICH PERTAINS TO THOSE QUANTITIES AND TO ANY RELATED CONTRACT DOCUMENTS AND/OR PRICE QUOTATIONS. QUESTIONS SHOULD BE DIRECTED TO THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIALS SHALL BE NURSERY GROWN, UNLESS OTHERWISE NOTED AND SHALL COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK: ANSI Z-60.1; LATEST EDITION, FOR SIZE AND QUALITY.
- NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- SOIL USED FOR PLANTING SHALL CONSIST OF 5 PARTS TOPSOIL, 1 PART SAND AND 2 PARTS ORGANIC MATTER, MIXED WITH 1 POUND OF FERTILIZER PER CUBIC YARD.
  - SAND SHALL BE CLEAN MASONRY SAND.
  - ORGANIC MATTER SHALL BE PEAT MOSS, OR WELL COMPOSTED PINE BARK, OR APPROVED EQUAL AND SHALL BE FINELY GROUND AND FREE OF WEEDS.
  - ALL FERTILIZER SHALL BE 10-10-10 WITH MINOR ELEMENTS. FERTILIZER SHALL HAVE 40-50% OF ITS TOTAL NITROGEN IN A WATER INSOLUBLE FORM.
- PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANT BEDS AND SOD AREAS PRIOR TO INSTALLATION. TREFLAN OR AN APPROVED EQUAL SHALL BE USED.
- MULCH: ALL PLANT BEDS SHALL HAVE A MINIMUM OF 3" DEEP PINE STRAW MULCH. ALL LANDSCAPE BEDS TO RECEIVE MULCH UNLESS OTHERWISE NOTED.
- SEED: ALL DISTURBED AREAS THAT ARE NOT LANDSCAPED. AREA TO BE SEEDING WITH PREMIUM TURF GRASS, COMMERCIAL GRADE & LOCALLY SOURCED. SEED MUST MEET ANY REQUIREMENTS OF THE STATE, COUNTY, OR NCDOT REGULATIONS & SPECIFICATIONS.
- TREES PLANTED IN LAWN AREA TO HAVE A 3'-0" RADIUS PLANT BED AROUND THE BASE.
- THE LANDSCAPE CONTRACTOR WILL NOT BE RESPONSIBLE FOR PLANT MATERIAL THAT HAS BEEN DAMAGED BY VANDALISM, FIRE, RELOCATION, WILDLIFE, THEFT, SEVERE WEATHER OR OTHER ACTIVITIES BEYOND THE LANDSCAPE CONTRACTOR'S CONTROL.
- PRIOR TO FINAL PAYMENT, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE OWNER WITH COMPLETE WRITTEN INSTRUCTIONS ON PROPER CARE OF ALL SPECIFIED PLANT MATERIALS.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- ALL REPLACEMENTS SHALL BE OF THE SAME TYPE, SIZE, AND QUALITY AS SPECIFIED ON THE PLANT LIST, UNLESS APPROVED OTHERWISE IN WRITING BY THE OWNER AND CITY.
- ANY MATERIAL THAT IS DEEMED TO BE 25% DEAD OR MORE SHALL BE CONSIDERED DEAD, AND MUST BE REPLACED AT NO CHARGE. A TREE IS CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK, OR MORE THAN 25% OF THE CROWN IS DEAD.
- REPLACEMENTS SHALL BE MADE DURING THE NEXT PLANTING SEASON UNLESS THE LANDSCAPE CONTRACTOR AGREES TO AN EARLIER DATE. FINAL CERTIFICATE OF OCCUPANCY MAY BE WITHHELD UNTIL PLANTING IS COMPLETE.

**TEMPORARY IRRIGATION NOTES**

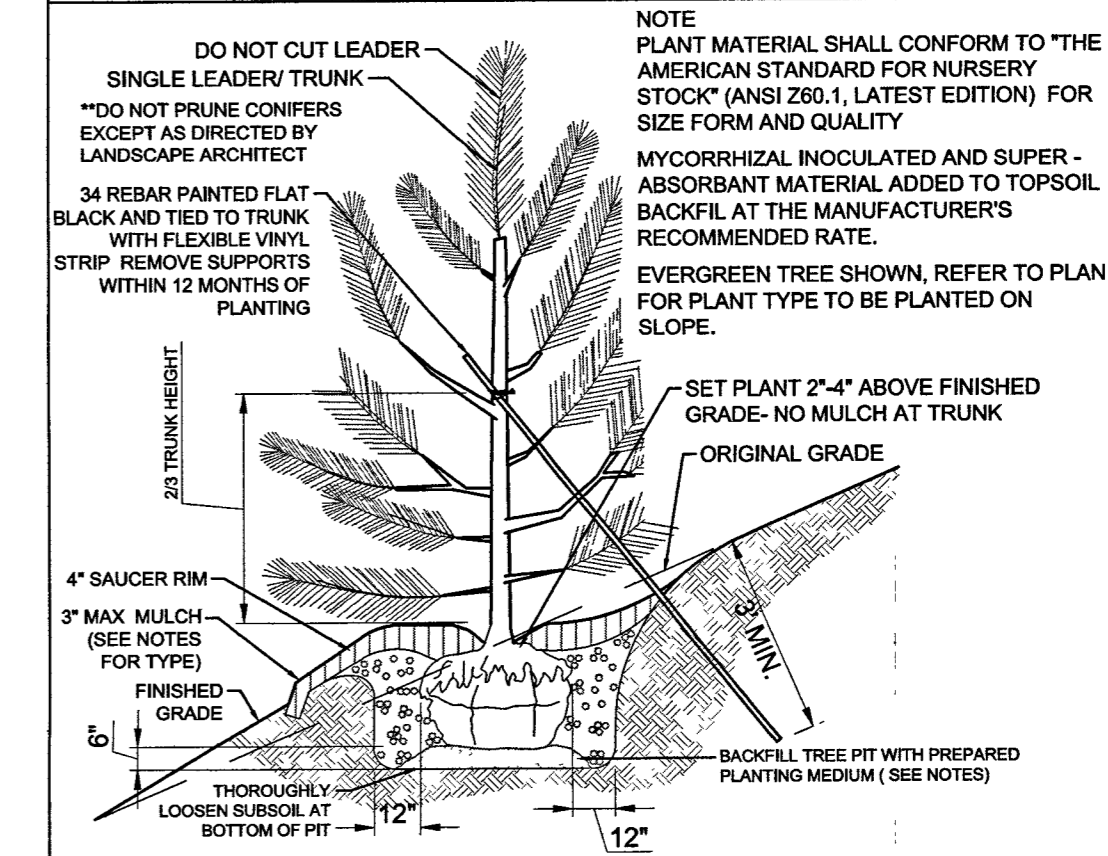
CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY IRRIGATION. PROVIDE WATERING NECESSARY FOR INITIAL ESTABLISHMENT OF LANDSCAPE. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN, IF NECESSARY, DURING THE FIRST GROWING SEASON.

**CONSTRUCTION CLOSE-OUT**

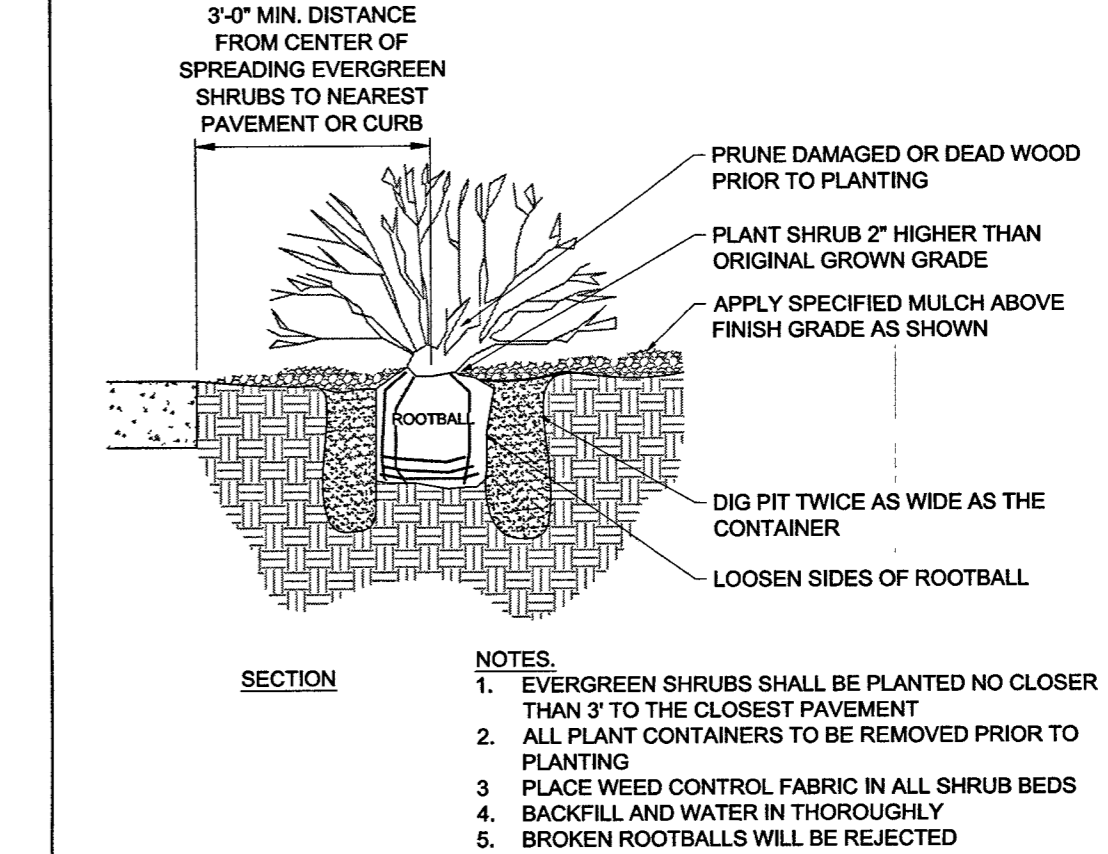
- MAINTAIN ONE SET OF MARKED-UP AS-BUILT DRAWINGS ON THE JOB SITE FOR DISTRIBUTION TO THE LANDSCAPE ARCHITECT UPON COMPLETION.
- ANY PLAN SUBSTITUTIONS THAT ARE NOT PREVIOUSLY APPROVED AND FOUND TO BE UNACCEPTABLE BY LANDSCAPE ARCHITECT ARE TO BE RECONSTRUCTED AT CONTRACTOR'S EXPENSE.
- ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE COMPLETION OF THIS WORK.
- WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSES, FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK, SHALL BE REMOVED AND REPLACED IN AN ACCEPTABLE MANNER, AS REQUIRED BY THE LANDSCAPE ARCHITECT. AT THE CONTRACTORS EXPENSE. WORK DONE CONTRARY TO THE INSTRUCTIONS OF THE LANDSCAPE ARCHITECT, WORK DONE BEYOND THE LINES SHOWN ON THE PLANS, OR ANY EXTRA WORK DONE WITHOUT AUTHORITY WILL NOT BE PAID FOR.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING LANDSCAPE TO REMAIN DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY EXISTING LANDSCAPE DAMAGED OR REMOVED DURING CONSTRUCTION. NEW LANDSCAPING SHALL BE REESTABLISHED BY A LICENSED LANDSCAPE CONTRACTOR IN THE STATE OF THE PROJECT.
- CONTRACTOR TO PROVIDE LANDSCAPE ARCHITECT PHOTOGRAPHS OF AS-BUILT SITE UPON CONSTRUCTION AND LANDSCAPE INSTALLATION FOR REVIEW AND APPROVAL. CONTACT KEVIN PULIS AT P3ENGINEERING; CONTACT: KEVIN@P3EG.COM
- CONTRACTOR TO VERIFY LANDSCAPE FINAL ACCEPTANCE PROCESS AND COORDINATE WITH THE APPROPRIATE PARTIES. THESE TASKS CAN INCLUDE, BUT ARE NOT LIMITED TO:
  - AS-BUILTS.
  - INSPECTIONS.
  - MATERIALS APPROVAL BY LANDSCAPE ARCHITECT.
  - PLANTING LOCATIONS IN REFERENCE TO AS-BUILT UTILITY LOCATIONS.
    - NO TREE PLANTED WITHIN 10' OF ANY UTILITY LINES UNLESS SAID UTILITY LINE IS NOTED TO BE WRAPPED IN ROOT BARRIER.



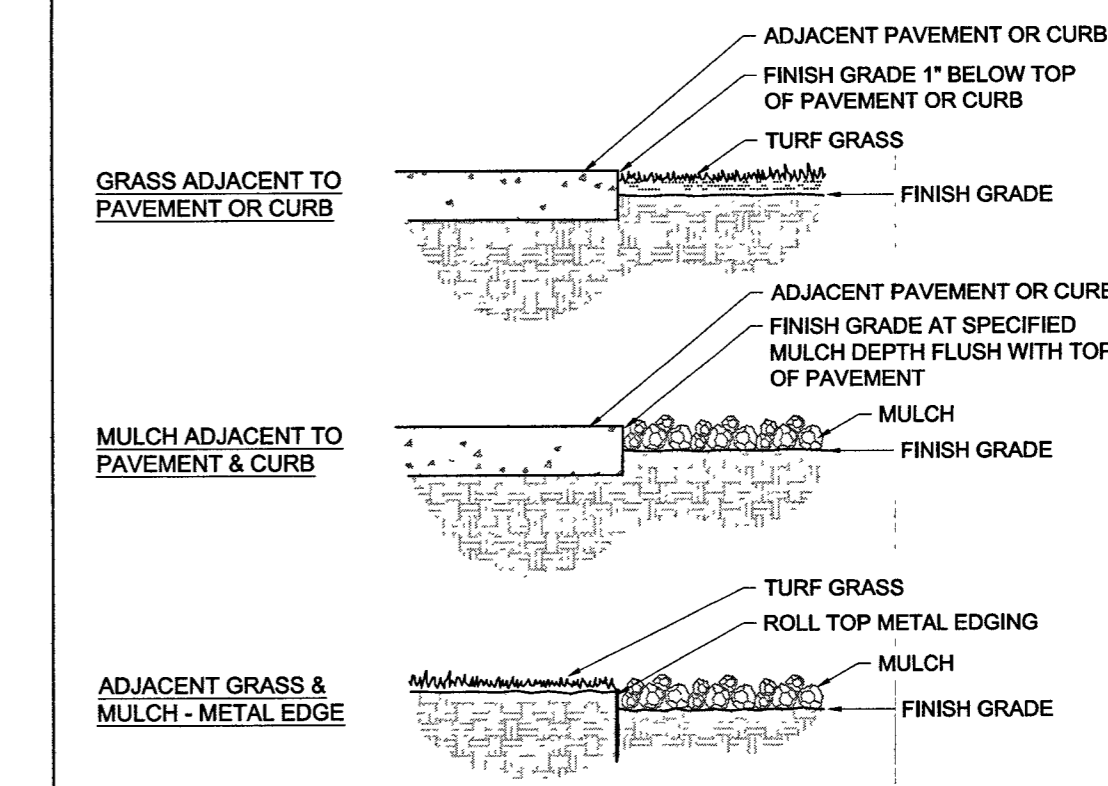
**1 TREE PLANTING NTS**



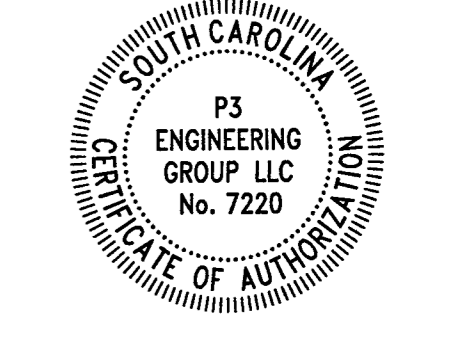
**2 TREE PLANTING ON SLOPE NTS**



**3 SHRUB PLANTING DETAIL NTS**



**4 EDGING DETAILS NTS**



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ORIGINAL ISSUE DATE:	03/26/2024
REVISIONS:	
▲ CITY COMMENTS	07/16/2024
▲ BUILDING AREA	07/25/2024
▲ FIRE SERVICE	10/18/2024
▲ ARUNDEL DRIVEWAY	12/16/2024
▲ ARUNDEL FIRE ACCESS	01/20/2025

PROJ. NO.: 23001

LANDSCAPE NOTES & DETAILS

**L5.1**

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