



Construction Drawings for Catawba Bend Preserve Phase 1

Catawba Bend Preserve Loop Road	
Sheet Number	Sheet Title
1	Cover Sheet
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3	Overall Roadway Plan
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30	Traffic Control Details
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35-37	Erosion Control Details

NOTE: ALL ROAD CONSTRUCTION PRACTICES, MATERIAL SPECIFICATIONS, AND PROCEDURES SHALL AT MINIMUM CONFORM TO YORK COUNTY SPECIFICATIONS.

"THE DESIGN OF ALL ROADS, SANITARY SEWAGE, STORM DRAIN PIPING AND DITCHES, AND WATER QUALITY AND DETENTION FEATURES PRESENTED HEREIN HAS BEEN COMPLETED FROM FIELD SURVEY INFORMATION."

COUNTY COUNCIL

Christi Cox, Chairwoman
Allison Love, Vice Chairman
Tom Audette
William "Bump" Roddey
Tommy Adkins
A. Watts Huckabee Sr.
Debi Cloninger

UTILITY PROVIDER:

ELECTRIC

York Electric Cooperative
1385 Alexander Love Hwy
York, SC 29745
(803) 684-4248

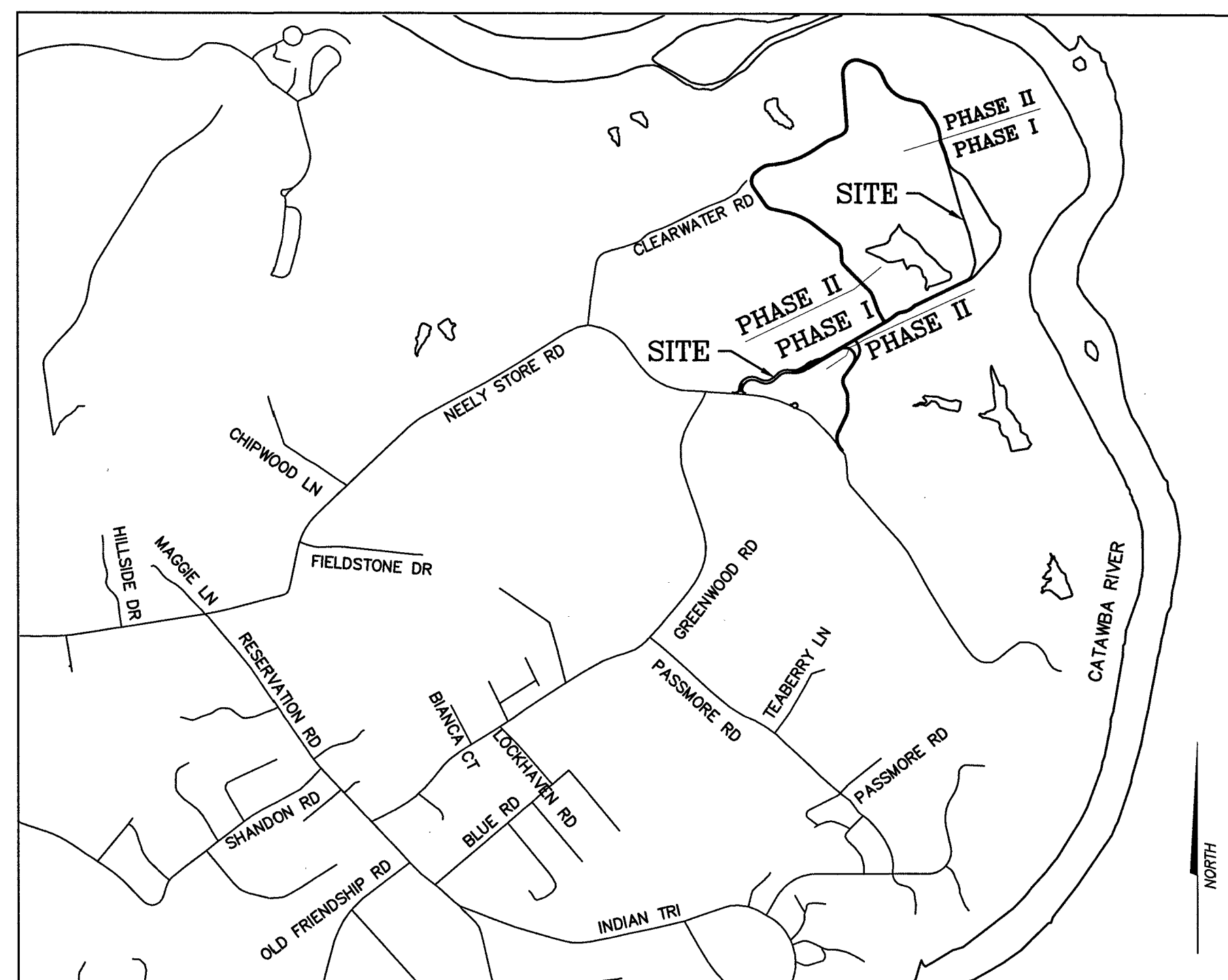
LANDSCAPE LIGHTING

LUMEN
5113 KODIAK COURT
CHARLOTTE NC 28215
(980) 552-2222

PROJECT MANAGER

Ron Pompey, P.E.
Assistant County Engineer
York County Government

YORK COUNTY PROJECT #19294
YORK COUNTY COUNCIL DISTRICT #5
May 21, 2024



LOCATION MAP
SCALE: 1 = 2,000'

Gatehouse and Restroom Plans	
Sheet Number	Sheet Title
1	Cover Sheet
G101-G102	Notes
LS101	Life Safety Plan
L100-L402	Landscape Plan
C301-C641	Restroom and Gatehouse Civil
A101-A701	Architectural
S001-S701	Structural
M001-M101	Mechanical
P001-P101	Plumbing
E001-E301	Electrical

Applicant's Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I hereby certify that, to the best of my knowledge, these plans contain all information required by Chapter 132 - Stormwater Management and Sediment Control of the York County Code of Ordinances as referenced by this application. I hereby certify that all land disturbing activities including clearing, grading, construction and/or development will be done pursuant to this plan and agree to indemnify any person damaged by failure to comply with the approved plan. County and state authorities will be allowed to enter upon the project site at any reasonable time provided they present appropriate credentials."

3/22/2024
Date

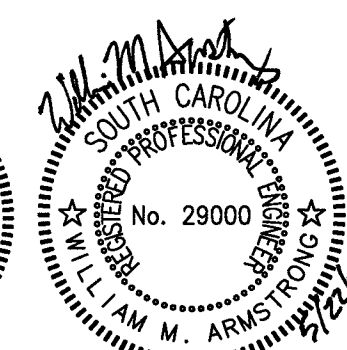
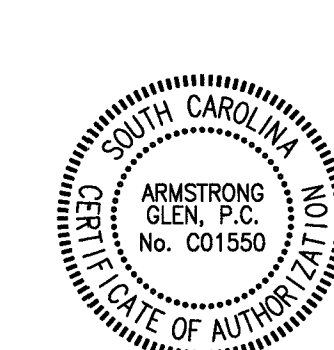
Asia Wood
Permit Applicant

Professional's Certification

"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, 1975 as amended, pursuant to Regulation 72-300 et seq. (if applicable), and in accordance with the terms and conditions of SCR 1000000. I also certify that this plan is designed to contain sediment on the property concerned and to provide for the control of stormwater runoff from the property and that, to the best of my knowledge and belief, all the provisions are in accordance with Chapter 132 - Stormwater Management and Sediment Control of the York County Code of Ordinances."

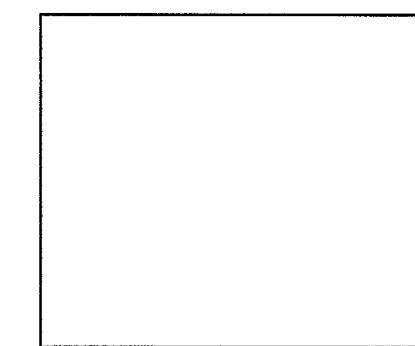
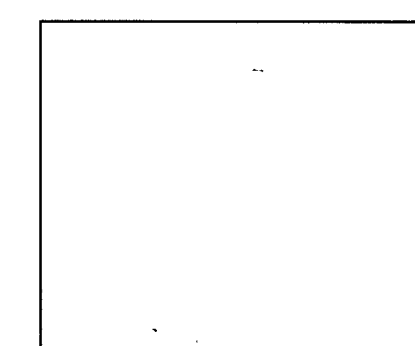
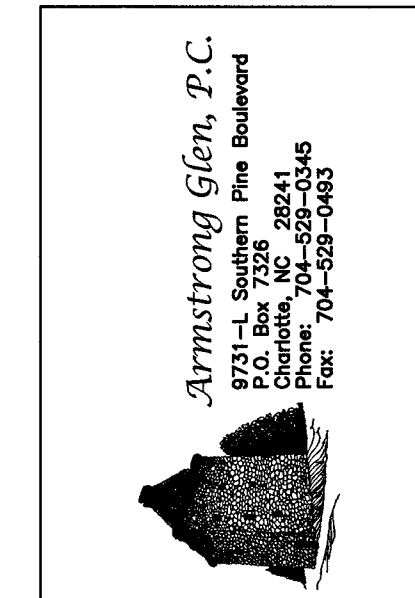
3/27/2024
Date

William M. A...
Registered Professional Engineer



APPROVAL STAMP/PERMIT LOCATION TO BE COMPLETED BY YORK COUNTY

YORK COUNTY ENGINEERING DEPARTMENT
POST OFFICE BOX 148
6 SOUTH CONGRESS STREET
YORK, SOUTH CAROLINA 29745
(803) 684-8571



NO.	DATE	REVISION

York County
Catawba Bend Preserve Phase 1
Cover Sheet

Project Manager:	WMA
Drawn By	DJC
Checked By	WMA
Date:	08/03/2023
Scale:	NTS
Engineering Project No.:	19294
Drawing No.:	1

GENERAL NOTES

- COUNTY COUNCIL DISTRICTS 1, 2, 3, 4, 6 AND 7 DO NOT HAVE WORK IN THIS CONTRACT.
- ALL PROPERTY LINES ARE SCHEMATIC. THEY HAVE NOT BEEN SURVEYED BUT SHOW GENERAL LOCATIONS. ALL QUESTIONS ABOUT LOCATIONS OF PROPERTY LINES MUST BE ADDRESSED TO THE YORK COUNTY ENGINEERING DEPARTMENT.
- TRAFFIC CONTROL SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUAL UNIFORM TRAFFIC CONTROL DEVICES AND THE SCODT.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING ABOVE AND BELOW GROUND UTILITIES. ANY AND ALL MEANS INDIVIDUAL SERVICES OR APPOINTMENTS REQUIRING REPAIR, SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- DRIVEWAY RELOCATIONS MAY BE REQUIRED TO MEET THE FINAL CROSS-SECTION AND MAY BE DETERMINED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED ON INDIVIDUAL PLANS.
- REMOVE ONLY TREES NECESSARY FOR THE CONSTRUCTION OF THE ROADWAY IMPROVEMENTS. TREE REMOVAL IS AT THE DISCRETION OF THE COUNTY ENGINEER. ALL TREES WHICH REQUIRE TRIMMING FOR THE INSTALLATION OF THE NEW ROADWAY SHALL BE SAW CUT.
- EROSION CONTROL MEASURES SUCH AS CHECK DAMS WILL BE REQUIRED WHERE NEEDED AND AS SHOWN ON PLANS.
- CONTRACTOR IS TO RETAIN A COPY OF ALL REQUIRED PERMITS ON THE PROJECT SITE DURING CONSTRUCTION. THIS INCLUDES:
 - COUNTY EROSION AND SEDIMENT CONTROL PERMIT
 - SCODT ENCROACHMENT PERMIT
- EXISTING UTILITY LOCATIONS HAVE BEEN COMPILED FROM INFORMATION PROVIDED BY OWNERS. FOR FIELD LOCATIONS, CONTRACTOR SHALL CONTACT THE PALMETTO UTILITY PROTECTION SERVICE TEN (10) WORKING DAYS PRIOR TO EXCAVATION AT (1-888-721-7877). EXCAVATION IS TO BE COMPLETED IN ACCORDANCE WITH CODE OF FEDERAL REGULATIONS TITLED 29 - LABOR CHAPTER XVII OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR, PART 125 SUBPART F, EXCAVATIONS.
- ALL IMPROVEMENTS WHICH ARE SHOWN FOR REMOVAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND LEGALLY DISPOSED OFF-SITE. THERE SHALL BE NO ON-SITE DISPOSAL OF CONSTRUCTION DEBRIS, CELLULOSE MATERIALS, OR OTHER WASTE.
- BACKFILL COMPACTION IS AN ESSENTIAL PART OF ROADWAY CONSTRUCTION. NO REQUESTS FOR PAYMENT WILL BE APPROVED FOR WORK WHERE COMPACTION REQUIREMENTS ARE NOT SATISFIED.
- THE CONTRACTOR IS TO REMOVE AND REPLACE ALL SIGNS, MAILBOXES, AND FENCES WHICH CONFLICT WITH THE WORK. PAYMENT FOR SIGN AND MAILBOX REMOVAL AND REPLACEMENT IS TO BE PAID FOR AS DIRECTED IN THE PROJECT MANUAL. FENCE REPLACEMENT SHALL BE PAID AS DIRECTED IN THE PROJECT MANUAL.
- ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE FINAL DRESSED, SEED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE GRASSING SPECIFICATIONS. CONTRACTOR IS TO PROVIDE PERMANENT GRASSING UPON COMPLETION OF WORK.
- MAIL BOXES AND ROAD SIGNS TO BE RELOCATED AS NECESSARY. ROAD SIGNS REMOVED DURING CONSTRUCTION MUST BE REPLACED BY THE CONTRACTOR AS SOON AS SIGN LOCATION IS STABILIZED. REPLACEMENT OF ROAD SIGNS AND MAIL BOXES DAMAGED DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DRIVEWAY RADI TO BE 20' MIN. OR AS LARGE AS RIGHT-WAY WILL ALLOW. WITH THE EXCEPTION OF CONCRETE DRIVEWAYS, REPLACE CONCRETE DRIVEWAYS WITH ASPHALT WITHIN LIMITS OF DISTURBANCE. DO NOT EXTEND PAVING TO RIGHT-OF-WAY AT CONCRETE DRIVEWAYS.
- CULVERTS THAT ARE TO REMAIN IN PLACE SHOULD BE CLEAR OF DEBRIS. REPORT ANY DEFECTS TO YORK COUNTY STAFF.
- INITIATE STABILIZATION MEASURES WITHIN 7 CALENDAR DAYS WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED.
- WITHIN SEVEN CALENDAR DAYS, TEMPORARY STABILIZATION MEASURES SHALL BE COMPLETED ON TOPSOIL STOCKPILES. THE BURIAL OF ANY CELLULOSE DEBRIS WILL NEED TO BE PLATTED. THE REMOVAL OF SOIL OR WASTE FROM THE PROPOSED SITE WILL NEED TO BE TAKEN TO A PERMITTED LANDFILL OR ANOTHER PERMITTED SITE WITH A VALID LAND DISTURBANCE PERMIT. THE ASSOCIATED SITE WOULD ALSO BE REQUIRED TO PROVIDE THE APPROPRIATE EROSION AND SEDIMENT CONTROL NECESSARY TO RETAIN SEDIMENT ON SITE (WITHIN THE LIMITS OF DISTURBANCE PERMITTED).
- THE DESIGN OF ALL EROSION CONTROL AND STORMWATER MANAGEMENT FEATURES FOR WATER QUALITY AND WATER QUANTITY AND OTHER BMPs, STORM DRAIN PIPING AND MANHOLES, CULVERTS, DITCHES, SWALES AND OTHER CHANNELS, ALL OUTLETS TO THEIR RECEIVING WATERS, IN ADDITION TO ALL ROAD INFRASTRUCTURE, SANITARY SEWER AND WATER UTILITIES, AS PRESENTED HEREIN, HAS BEEN COMPLETED FROM FIELD SURVEY INFORMATION PREPARED BY A LICENSED SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR.

TRAFFIC SAFETY NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- SAFE MAINTENANCE OF TRAFFIC IS REQUIRED AT ALL TIMES DURING CONSTRUCTION.
- ALL TRENCHES SHALL BE BACKFILLED WITH SUITABLE COMPACTED MATERIAL BEFORE THE CONTRACTOR VACATES THE CONSTRUCTION SITE FOR THE DAY.
- TRENCHES CROSSING THE ROADWAY SHALL BE BACKFILLED AND COMPACTED TO 95% OF OPTIMUM A.A.S.H.T.O. DENSITY UP TO SUBGRADE.
- CONTRACTOR IS TO PROVIDE ACCESS TO ALL RESIDENCES AT ALL TIMES. COORDINATE WORK WITH PROPERTY OWNER.

EROSION CONTROL DEVICES

DEVICE	STANDARD DETAIL (SCDHEC)
SILT FENCE	SC-03
ROCK DITCH CHECK	SC-04
SEDIMENT TUBES	SC-05
STABILIZED CONSTRUCTION ENTRANCE	SC-06
ROCK SEDIMENT DIKE	SC-12
SILT FENCE ROCK OUTLET	SC-14
TEMPORARY STOCK PILE AREA	SC-15
RIP RAP APPROX	YORK COUNTY 3.17
EROSION CONTROL MATTING	

*NOT ALL EROSION CONTROL DEVICES MAY BE REQUIRED. REFER TO PLANS FOR SPECIFIC EROSION CONTROL DEVICES UTILIZED FOR THIS PROJECT. ALSO ADDITIONAL DEVICES MAY BE SPECIFIED BY COUNTY ENGINEER OR SCDHEC.

EROSION AND SEDIMENT CONTROL NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL 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.
- 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 (14) 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.
- 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.
- 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 SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- 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.
- 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.
- 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.
- 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 OUTLETS.
- ALL WATERS OF THE STATE (WOS), 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 CANT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- 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.
- A COPY OF THE SWPPP, 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.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3:1 OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFESIBLE, PRESERVE TOPSOIL.
- 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.
- 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.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED: WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL; WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS; FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- 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.
- 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 EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- 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.

YORK COUNTY STORMWATER ORDINANCE

- FOLLOWING THE PRE-CONSTRUCTION CONFERENCE, CONTACT YORK COUNTY ENVIRONMENTAL COMPLIANCE AT (803) 909-7250 NOT LESS THAN 48 HOURS BEFORE COMMENCEMENT OF THE LAND-DISTURBING ACTIVITY. THE PERMITTEE SHALL ALSO CONTACT YORK COUNTY AFTER THE REMOVAL OF THE TEMPORARY SEDIMENT CONTROL MEASURES AND THE CONVERSION OF ANY BMPs REQUIRED TO BE CONVERTED INTO PERMANENT CONTROL MEASURES, ONCE THE SITE HAS BEEN FINALLY STABILIZED.
- NO STAGE OF WORK RELATED TO THE CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES, SHALL PROCEED TO THE SUBSEQUENT STAGE OF WORK ACCORDING TO THE SEQUENCE SPECIFIED IN THE APPROVED C-SWPPP STAGED CONSTRUCTION AND INSPECTION CONTROL SCHEDULE UNTIL IT IS INSPECTED AND APPROVED BY YORK COUNTY.
- THE PERMITTEE ENGAGED IN OR CONDUCTING THE LAND-DISTURBING ACTIVITY SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES DURING THE DEVELOPMENT OF A SITE, AS REQUIRED BY THE APPROVED PLAN OR ANY PROVISION OF THE YORK COUNTY STORMWATER ORDINANCE. OPERATIONS AND MAINTENANCE CONDITIONS SHALL BE INCLUDED IN THE PLAN OUTLINING HOW THE PERMITTEE AND OWNER INTENDS TO PROVIDE FOR OPERATIONS AND MAINTENANCE DURING AND POST CONSTRUCTION;
- STOCKPILES SHALL BE TEMPORARY AND SHALL BE LEVELED TO CONFORM TO SURROUNDING ELEVATION AS A PRECONDITION FOR ANY OF THE FOLLOWING, WHICHEVER OCCURS FIRST:
 - REQUEST FOR A NOTICE OF TERMINATION, OR
 - REQUEST FOR YORK COUNTY ACCEPTANCE OF A ROAD OR STREET IN ACCORDANCE WITH THE ROAD/STREET ACCEPTANCE REQUIREMENTS OF CHAPTER 154 - SUBDIVISION CODE OF THE YORK COUNTY CODE OF ORDINANCES.
- AREAS AT FINAL GRADE SHALL RECEIVE PERMANENT STABILIZATION MEASURES WITHIN 14 CALENDAR DAYS OF REACHING FINAL GRADE.
- THE RESPONSIBILITY FOR MAINTAINING ALL PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES, INCLUDING EASEMENTS, AFTER SITE LAND-DISTURBING ACTIVITY IS COMPLETED SHALL LIE WITH THE OWNER OR PERSON IN POSSESSION OR CONTROL, INCLUDING THE DEVELOPER, THE DEVELOPER'S DESIGNEE, OR ANY HOMEOWNER'S ASSOCIATION, PROPERTY OWNER'S ASSOCIATION OR OTHER COMMON OWNER ENTITY ESTABLISHED FOR THE GOVERNANCE/ADMINISTRATION OF A SUBDIVISION OR COMMON PLAN OF DEVELOPMENT, EXCEPT FACILITIES AND MEASURES INSTALLED WITHIN ROAD OR STREET RIGHTS-OF-WAY OR EASEMENTS ACCEPTED FOR MAINTENANCE BY YORK COUNTY.
- APPROVED PLANS REMAIN VALID FOR FIVE YEARS FROM THE DATE OF AN APPROVAL.

YORK COUNTY ZONING INFORMATION

COUNTY ZONING: PR TAX MAP ID: 7730000001

TOTAL PROPOSED DISTURBED AREA: 15.3 ACRES

SOIL TYPE: GeB2, GeC2, WyC2, MeB2, GcC, ChA, GrE2

SPEED LIMIT: 20 MPH

APPROXIMATE CONSTRUCTION SCHEDULE: TBD

SECTION 02485 - GRASSING

PART 1 - GENERAL

RELATED DOCUMENTS:
DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, AND TECHNICAL SPECIFICATION SECTIONS, APPLY TO WORK OF THIS SECTION.

SUMMARY:
THIS SPECIFICATION PERTAINS TO PLANTING, FERTILIZING, AND MAINTAINING GRASS ON ALL FILL SLOPES, CUT SLOPES, AND GRADED AREAS DISTURBED BY INSTALLATION OF UTILITIES OR BY ROAD CONSTRUCTION. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, TOOLS, AND MATERIALS NECESSARY TO PERFORM ALL TASKS REQUIRED TO COMPLETE ALL GRASSING WITHIN THE LIMITS OF RIGHT-OF-WAY AND OTHER DISTURBED AREAS SHOWN ON THE DRAWINGS AND THESE SPECIFICATIONS, IN COORDINATION WITH ALL OTHER DIVISIONS OF WORK. ANY INCIDENTAL WORK, MATERIAL, OR APPOINTMENTS NOT SPECIFICALLY SHOWN, BUT NECESSARY FOR COMPLETION OF THE WORK, SHALL BE FURNISHED AS REQUIRED. ALL UNPAVED AREAS CLEANED AND GRUBBED, GRADED, FILLED, EXCAVATED, OR OTHERWISE DISTURBED DURING CONSTRUCTION, BOTH WITHIN AND BEYOND THE RIGHT-OF-WAY LIMITS SHOWN ON THE DRAWINGS, SHALL BE STABILIZED WITH GRASS. PLANTING MAY INCLUDE BOTH TEMPORARY AND PERMANENT GRASSING. ESTABLISHMENT OF PERMANENT GRASSING IS REQUIRED FOR THE COMPLETION OF THE CONTRACT AND FINAL PAYMENT.

QUALITY ASSURANCE:
SOME PRODUCTS AND EXECUTION SPECIFIED IN THIS SECTION ARE REFERENCED IN THE LATEST EDITION OF PUBLISHED SPECIFICATIONS AND STANDARDS OF THE FOLLOWING:

- SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT) DESIGNATION SC-M-810
- YORK COUNTY CODE OF ORDINANCES

SUBMITTALS:
THE CONTRACTOR WILL, UPON REQUEST, FURNISH THE INVOICES AND OR OTHER DOCUMENTATION OF ALL MATERIALS USED IN ORDER TO DETERMINE RATES AND QUALITY OF MATERIALS. THIS INCLUDES SEED, LIME, FERTILIZER, AS WELL AS ANY OTHER MATERIALS USED.

DELIVERY, STORAGE, AND HANDLING:
DELIVER PACKAGED MATERIALS IN CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. PROTECT MATERIALS FROM DETERIORATION DURING DELIVERY, AND WHILE STORED AT THE SITE.

JOB CONDITIONS:
THIS SPECIFICATION IS INTENDED TO PROVIDE A COMPLETE GRASSING PROCEDURE WHICH IS TO BE CAREFULLY FOLLOWED. SOME PROCEDURES MAY BE ADJUSTED, UPON CONSULTATION WITH THE ENGINEER, SO AS TO MEET UNFORSEEN WEATHER AND SOIL CONDITIONS.

PROCEED WITH AND COMPLETE GRASSING WORK AS RAPIDLY AS PORTIONS OF THE PROJECT SITE BECOME AVAILABLE.

SPECIAL PROJECT WARRANTY:
GRASSING THROUGHOUT THE SPECIFIED MAINTENANCE PERIOD, AND UNTIL FINAL ACCEPTANCE.

PART 2 - PRODUCTS

SOIL AMENDMENTS:
A CERTIFIED SOIL TEST ANALYSIS IS PREFERRED ON DISTURBED AREAS. IN THE ABSENCE OF A SOIL TEST GENERAL RECOMMENDATIONS REQUIRED ARE AS FOLLOWS:

LIME: NATURAL DOLOMITIC LIMESTONE CONTAINING NOT LESS THAN 85% OF TOTAL CARBONATES WITH A MINIMUM OF 30% MAGNESIUM CARBONATES, GROUND SO THAT NOT LESS THAN 90% PASSES A 10-MESH SIEVE AND NOT LESS THAN 50% PASSES A 100-MESH SIEVE. USE MINIMUM OF 2000 POUNDS (1 TON) OF DOLOMITIC LIMESTONE PER ACRE.

COMMERCIAL FERTILIZERS: USE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, WITH SOME ELEMENTS DERIVED FROM ORGANIC SOURCES AND CONTAINING THE FOLLOWING PERCENTAGES OF AVAILABLE PLANT NUTRIENTS:

FOR GRASSING PROVIDE FERTILIZER WITH NOT LESS THAN 10% TOTAL NITROGEN, 10% AVAILABLE PHOSPHORIC ACID, AND 10% SOLUBLE POTASH. NITROGEN IS TO BE A FORM THAT WILL BE AVAILABLE TO GRASS DURING THE INITIAL GROWTH PERIOD. IF NO SOIL SAMPLE IS AVAILABLE, USE A MINIMUM OF 600 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE. (NOTE: APPROXIMATELY 360 LBS OF 17-17-17 PER ACRE IS EQUIVALENT TO 600 LBS OF 10-10-10 PER ACRE.)

GRASS MATERIALS:
GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED. AT A MINIMUM, SEED SHALL HAVE A PURITY OF NO LESS THAN 90% AND A GERMINATION RATE OF NO LESS THAN 80%, AND COMPLY WITH SC-M-810 OF THE SCODT SEEDING SPECIFICATIONS.

ANTI-EROSION MATERIALS:
MULCH: PROVIDE CLEAN, SEED-FREE HAY OR STRAW OF WHEAT, RYE, OATS, OR BARLEY.

PERMANENT EROSION CONTROL MATTING: NORTH AMERICAN GREEN SC150 OR APPROVED EQUAL, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES IN LOCATIONS AS SHOWN ON THE DRAWINGS AS REQUIRED.

PART 3 - EXECUTION

PREPARATION:
PREPARATION OF PLANTING SOIL: LIME SHOULD BE APPLIED AND MIXED WITH SOIL BEFORE PLANTING.

PREPARATION OF SEED BED: THE SEED BED SHALL BE PREPARED BY PULVERIZING THE SOIL IN AN APPROVED MANNER TO A DEPTH OF 4 INCHES FOR FIELD CONDITIONS OR SLOPES THAT ARE 3:1 OR FLATTER, AND TO A DEPTH OF 3 INCHES, AS DETERMINED ON SITE, FOR SLOPES STEEPER THAN 3:1. THE SOIL SHALL BE TILLED UNTIL A WELL PULVERIZED, FIRM, REASONABLY UNIFORM SEED BED IS PREPARED CONFORMING SUBSTANTIALLY TO GROUND ELEVATIONS SHOWN ON THE DRAWINGS AND/OR THAT EXISTED PRIOR TO CONSTRUCTION. THE DISTURBED AREA SHALL BLEND UNIFORMLY INTO ADJACENT TOPOGRAPHY. GOOD SURFACE DRAINAGE MUST BE PROVIDED, ALLOWANCES FOR SETTLEMENT MADE, AND GROUND ELEVATIONS ADJUSTED ACCORDINGLY. VISIBLE PONDING WILL NOT BE ALLOWED. ROCKS, ROOTS, STICKS, TRASH, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED. SLOPES SHOULD BE "TRACKED IN" PARALLEL TO THE SLOPE OR OTHERWISE PREPARED TO HOLD SEED IN PLACE.

APPLY SPECIFIED COMMERCIAL FERTILIZER AT THE SPECIFIED RATES, AND THOROUGHLY MIX INTO THE UPPER 2 INCHES OF SEEDBED. DELAY APPLICATION OF FERTILIZER IF LAWN PLANTING WILL NOT FOLLOW WITHIN A FEW DAYS.

IN ESTABLISHED LAWN AREAS, FINE GRADE SEEDBED TO A SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE, ROLL, RAKE, AND DRAG LAWN AREAS, REMOVE RIDGES AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISHED GRADES. LIMIT FINE GRADING TO AREAS WHICH CAN BE PLANTED IMMEDIATELY AFTER GRADING.

WATERING THE PREPARED LAWN AREAS IS RECOMMENDED BEFORE GRASSING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY BEFORE PLANTING. DO NOT CREATE A MUDDY SOIL CONDITION.

RESTORE SEEDBEDS TO SPECIFIED CONDITIONS IF ERODED OR OTHERWISE DISTURBED AFTER FINE GRADING AND PRIOR TO PLANTING.

SEEDING:
DO NOT USE WET SEED OR SEED WHICH IS MOLDY OR OTHERWISE DAMAGED IN TRANSIT OR STORAGE.

THE SEED BED MUST BE IN GOOD, FRIABLE CONDITION AND NOT MUDDY OR HARD AT THE TIME THE SEEDING IS PERFORMED.

SOW SEED USING A SPREADER OR SEEDING MACHINE. DO NOT SEED WHEN THERE IS EXCESSIVE WIND VELOCITY. DISTRIBUTE SEED EVENLY OVER ENTIRE AREA BY SOWING EQUAL QUANTITY IN TWO DIRECTIONS AT RIGHT ANGLES TO EACH OTHER.

SOW NOT LESS THAN THE QUANTITY OF SEED SPECIFIED.

RAKE OR COVER SEED LIGHTLY INTO THE TOP ONE-EIGHTH INCH OF SOIL, ROLL LIGHTLY, AND WATER WITH A FINE SPRAY WHEN NECESSARY.

SLOPES MUST BE "TRACKED IN" OR SEED SHALL BE APPLIED AT THE RATE SPECIFIED AND RAKED OR TILLED INTO THE TOPSOIL WITH THE RESULTING FURROWS RUNNING ACROSS THE NATURAL SLOPE OF THE GROUND. UNDER NO CIRCUMSTANCES WILL ANY TILLING ACTIVITY BE ALLOWED PARALLEL WITH SLOPES. SLOPES STEEPER THAN 3:1 OR MORE THAN 8 FEET IN LENGTH WILL REQUIRE AN APPROVED MATTING OR THE USE OF HYDRAULIC SEEDING (HYDROSEEDING) TO ACHIEVE THE 70% ACHIEVED STAND RESULTS UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.

FERTILIZER, LIME, AND SEED SHOULD BE APPLIED WITHIN 24 HOURS OF COMPLETING SEED BED PREPARATION.

PROTECT SEEDS SLOPES AGAINST EROSION BY SPREADING SPECIFIED LAWN MULCH AFTER COMPLETION OF SEEDING OPERATIONS. SPREAD MULCH UNIFORMLY TO FORM A CONTINUOUS BLANKET NOT LESS THAN 1 1/2" THICK (LOOSE MEASUREMENT) OVER SEEDS AREAS.

GRASSING CONT.

HYDROSEEDING:
MIX SPECIFIED SEED, FERTILIZER, AND PULVERIZED MULCH IN WATER, USING EQUIPMENT SPECIFICALLY DESIGNED FOR HYDROSEED APPLICATION. CONTINUE MIXING UNTIL UNIFORMLY BLENDED INTO HOMOGENEOUS SLURRY, SUITABLE FOR HYDRAULIC APPLICATION.

APPLY SLURRY UNIFORMLY TO ALL AREAS TO BE SEED. RATE OF APPLICATIONS IS TO BE AS REQUIRED TO OBTAIN SPECIFIED SEED SOWING RATE.

MAINTENANCE:
THE CONTRACTOR SHALL MAINTAIN THE SEEDS AREAS UNTIL THERE IS UNIFORM GROWTH 3 INCHES HIGH WITH AT LEAST 70% TOTAL COVERAGE OF EACH SQUARE FOOT ON THE SITE. MAINTENANCE SHALL CONSIST OF WATERING, WEED, AND PEST CONTROL WITHIN ESTABLISHED AREAS, FERTILIZATION, EROSION REPAIR, RESEEDING, AND ALL ELSE NECESSARY TO ESTABLISH A VIGOROUS HEALTHY AND UNIFORM STAND OF PERMANENT GRASS. ALL AREAS AND SPOTS WHICH DO NOT SHOW UNIFORM STAND OF GRASS, FOR ANY REASON, SHALL BE TREATED REPEATEDLY UNTIL UNIFORM STAND IS ATTAINED.

MULCH AND TACKIFIERS:
HYDRAULIC MULCH (HM), STABILIZED MULCH MATRIX (SMM), BONDED FIBER MATRIX (BFM), FIBER REINFORCED MATRIX (FRM) AS WELL AS STRAW OR HAY WITH AN ENVIRONMENTALLY FRIENDLY TACKIFIER MAY BE USED AS NECESSARY TO ACHIEVE STABILIZATION. EROSION CONTROL BLANKETS (ECB'S) AND TURF REINFORCEMENT MATTING (TRM) MAY ALSO BE USED IF NECESSARY OR AS PER PLANS.

AFTER FERTILIZING, SEEDING, RAKING, AND TILLING, DRIED STRAW IS TO BE UNIFORMLY SPREAD OVER THE AREA AT A MINIMUM RATE OF 2000 POUNDS PER ACRE. "ENVIRONMENTALLY FRIENDLY" TACKIFIERS FOR MULCH IS REQUIRED WHEN USED.

INSPECTION AND MAINTENANCE:
WHEN GRASSING IS COMPLETED, INCLUDING MAINTENANCE, THE ENGINEER OR HIS REPRESENTATIVE WILL, UPON REQUEST, MAKE AN INSPECTION TO DETERMINE ACCEPTABILITY. (PERMANENT GRASS MUST BE IN PLACE FOR FINAL ACCEPTANCE.)

GRASSING MAY BE INSPECTED FOR ACCEPTANCE IN PARTS AGREEABLE TO THE ENGINEER, PROVIDED WORK OFFERED FOR INSPECTION IS COMPLETE, INCLUDING MAINTENANCE.

WHEN INSPECTED GRASSING DOES NOT COMPLY WITH THE REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL REINSPECTED BY THE ENGINEER AND FOUND ACCEPTABLE.

SEASONAL SEEDING:
SEASONAL SEEDING MIXTURES AND RATES OF APPLICATION SHALL BE AS FOLLOWS. ALL RATES ARE IN POUNDS PER ACRE. THIS INCLUDES LIME, FERTILIZER, SEED, AND OTHER MATERIALS.

UNLESS OTHERWISE REQUIRED BY THE OWNER OR THE ENGINEER (PURSUANT TO POTENTIAL EROSION OF DITCHES OR STEEP SLOPES) SEEDING WITHIN ROAD RIGHT-OF-WAY WILL BE TREATED LIKE ALL OTHER DISTURBED AREAS.

TEMPORARY GRASSING:
TEMPORARY GRASSING SHALL BE PERFORMED IN SELECTED AREAS IN ADVANCE OF PERMANENT GRASSING OPERATIONS FOR THE PURPOSE OF MINIMIZING EROSION ON DISTURBED AREAS DURING CONSTRUCTION. TEMPORARY GRASSING IS CONSIDERED TO BE A SUPPLEMENT TO, AND NOT A SUBSTITUTE FOR, PERMANENT GRASSING OPERATIONS OR EROSION OR SEDIMENT CONTROL MEASURES. THE WORK SHALL INCLUDE PREPARING SEED BEDS; FERTILIZING, PLACING, AND COVERING FERTILIZER AND SEED; MOWING; AND ANY OTHER OPERATIONS NECESSARY FOR ESTABLISHING TEMPORARY GRASSING.

TEMPORARY GRASSING SHALL BE DONE PROMPTLY AT THE LOCATION AND TIMES DIRECTED BY THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:

- WHEN A GRADED AREA CANNOT BE BROUGHT TO FINAL GRADE AND WILL REMAIN DISTURBED DURING CONSTRUCTION, TEMPORARY GRASSING SHALL BE PROVIDED UNTIL FINAL GRADE CAN BE OBTAINED AND THE GRADED AREA PERMANENTLY GRASSED. TEMPORARY MULCH OR GRASSING MAY BE USED WHEN SITE WILL NOT BE WORKED FOR 14 TO A MAXIMUM OF 21 DAYS. IF NOT WORKED FOR 21 DAYS OR LONGER, A TEMPORARY GRASS MUST BE PLANTED.
- WHEN WASHING OR EROSION CAN OCCUR ON DISTURBED AREAS WHERE TEMPORARY SUSPENSION OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE.
- WHEN AN IMMEDIATE GROUND COVER IS DESIRABLE TO MINIMIZE WASHING, EROSION, SEDIMENTATION, OR POLLUTION ON ANY AREA.
- WHEN THE SEASON OF THE YEAR IS NOT SUITABLE FOR ESTABLISHING PERMANENT GRASS.

AREAS TO BE GRASSED SHALL BE LOOSENEED TO A DEPTH OF 4 INCHES. THE AREA TO BE GRASSED SHALL BE "TRACKED IN" OR OTHERWISE SUITABLY PREPARED TO LESSEN EROSION OR PREVENT SEED AND SOIL LOSS.

SEED AND FERTILIZER SHALL BE APPLIED UNIFORMLY AT THE REQUIRED APPLICATION RATES OVER THE PREPARED AREA TO BE GRASSED.

10-10-10 FERTILIZER OR EQUIVALENT SHALL BE APPLIED AT A RATE OF 600 LBS PER ACRE AND DOLOMITIC LIMESTONE SHALL BE APPLIED AT THE RATE OF 2000 LBS PER ACRE.

AREAS OF TEMPORARY GRASSING SHALL BE MAINTAINED IN SATISFACTORY CONDITION UNTIL BEING PERMANENTLY GRASSED. THE MAINTENANCE SHALL INCLUDE REPAIR OF EROSION, RESEEDING, AND MOWING. ALL WORK TO MAINTAIN AREAS OF TEMPORARY SEEDING SHALL BE DONE PROMPTLY AT THE DIRECTION OF THE ENGINEER OR HIS REPRESENTATIVE.

USE OF TEMPORARY MULCH:
IN SOME CASES IF A SITE WILL NOT BE WORKED FOR A SHORT PERIOD OF TIME (14 TO 21 DAYS) A TEMPORARY ORGANIC MULCH COVER MAY BE USED FOR TEMPORARY STABILIZATION ONLY.

SEASONAL SEEDING SPECIFICATIONS (ALL RATES ARE IN POUNDS PER ACRE):

PERMANENT SEEDING
SEPTEMBER - MARCH
TALL FESCUE (KY31) - 50 LBS PER ACRE, PLUS
10-10-10 FERTILIZER - 600 LBS PER ACRE OR EQUIVALENT, PLUS
DOLOMITIC LIMESTONE - 2000 LBS (1 TON) PER ACRE OR
TALL FESCUE (KY31) - 40 LBS PER ACRE, PLUS
RYE GRASS - 10 LBS PER ACRE (NURSE-CROP), PLUS
10-10-10 FERTILIZER - 600 LBS PER ACRE OR EQUIVALENT, PLUS
DOLOMITIC LIMESTONE - 2000 LBS (1 TON) PER ACRE

APRIL - AUGUST
BAHIA GRASS - 30 LBS PER ACRE OR
BERMUDA GRASS - 30 LBS PER ACRE (HULLED=HULL OFF), PLUS
10-10-10 FERTILIZER - 600 LBS PER ACRE OR EQUIVALENT, PLUS
DOLOMITIC LIMESTONE - 2000 LBS (1 TON) PER ACRE
(MAY USE 10 LBS MILLET OR SUDAN GRASS WITH BAHIA OR BERMUDA AS A NURSE CROP.)

SERICEA LESPEDEZA OR WEEPING LOVEGRASS MAY BE USED ON STEEP SLOPES (3:1 OR GREATER OR MORE THAN 8 FEET IN LENGTH) TO ACHIEVE THE DESIRED 70% PERMANENT STABILIZATION REQUIREMENT.

* NOTE-SPECIAL CONSIDERATION: DISTURBED LAWNS AND LANDSCAPE AREAS MUST BE REESTABLISHED TO THEIR ORIGINAL CONDITION AND GRASS TYPE. SOME MAY REQUIRE OTHER GRASSES THAN THOSE LISTED ABOVE. (EXAMPLE: CENTIPEDE GRASS, CARPET GRASS OR OTHERS AT RECOMMENDED RATES.)

TEMPORARY SEEDING
SEPTEMBER - MARCH
RYE GRASS - 55 LBS PER ACRE OR OATS - 150 LBS PER ACRE OR
WHEAT - 100 LBS PER ACRE OR BARLEY - 190 LBS PER ACRE, PLUS
FERTILIZER AND LIME AT LISTED RATES.

APRIL - AUGUST
BROWNTOP MILLET - 40 LBS PER ACRE OR
SUDAN GRASS - 60 LBS PER ACRE, PLUS
FERTILIZER AND LIME AT LISTED RATES.

* NOTES:
1. ANNUAL RYEGRASS IS NOT RECOMMENDED
2. ANY SUBSTITUTIONS OR CHANGES MUST BE APPROVED BY OWNER OR HIS REPRESENTATIVE PRIOR TO PLANTING.
3. THE CONTRACTOR WILL, UPON REQUEST, SUBMIT THE INVOICES AND/OR OTHER DOCUMENTATION OF ALL MATERIALS USED IN ORDER TO DETERMINE RATES AND QUALITY.
4. SEEDING RECOMMENDATIONS ARE BASED ON IDEAL SOIL, PLANTING AND WEATHER CONDITIONS. SOME CHANGES MAY BE MADE ON APPROVAL OF THE OWNER OR HIS REPRESENTATIVE TO ACHIEVE DESIRED RESULTS.

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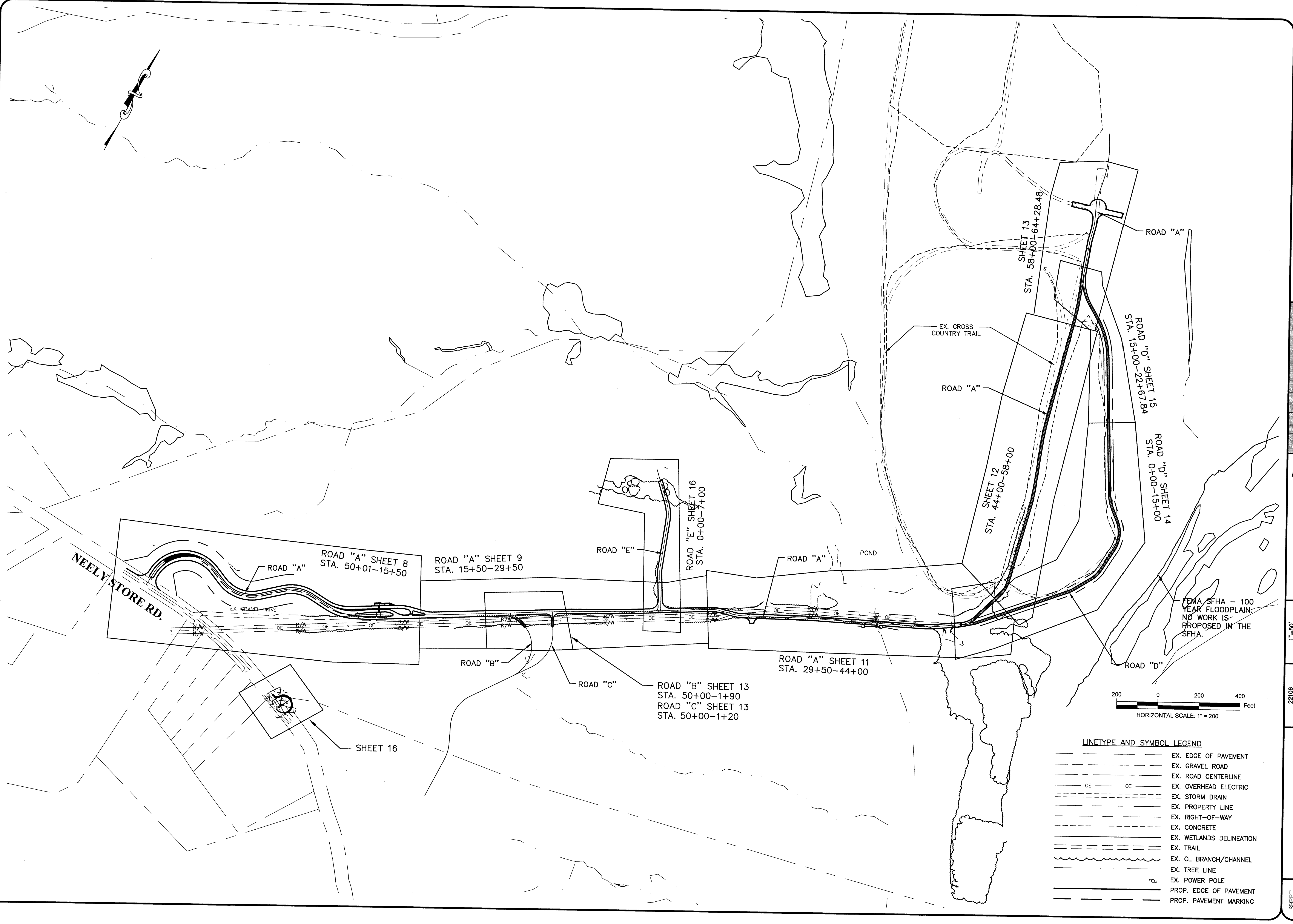
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CATAWBA BEND PRESERVE PHASE 1

SHEET **2** OF **82**

NOTES



NEELY STORE RD.

ROAD "A" SHEET 8
STA. 50+01-15+50

ROAD "A" SHEET 9
STA. 15+50-29+50

ROAD "E" SHEET 16
STA. 0+00-7+00

ROAD "A" SHEET 11
STA. 29+50-44+00

ROAD "B" SHEET 13
STA. 50+00-1+90
ROAD "C" SHEET 13
STA. 50+00-1+20

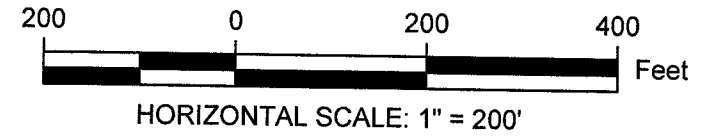
SHEET 12
STA. 44+00-58+00

SHEET 13
STA. 58+00-64+28.48

ROAD "D" SHEET 15
STA. 15+00-22+67.84

ROAD "D" SHEET 14
STA. 0+00-15+00

FEMA SFHA - 100
YEAR FLOODPLAIN.
NO WORK IS
PROPOSED IN THE
SFHA.

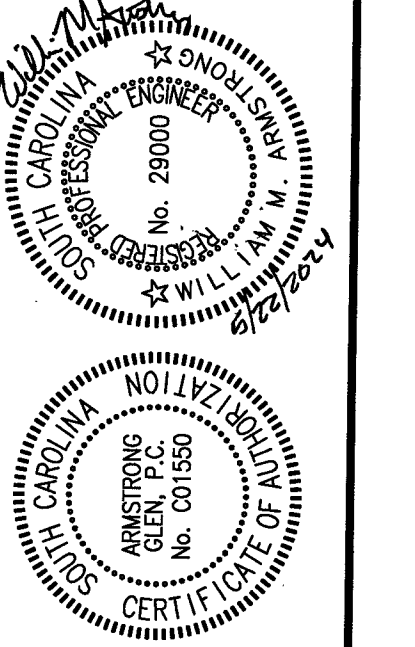


LINETYPE AND SYMBOL LEGEND

- EX. EDGE OF PAVEMENT
- EX. GRAVEL ROAD
- EX. ROAD CENTERLINE
- EX. OVERHEAD ELECTRIC
- EX. STORM DRAIN
- EX. PROPERTY LINE
- EX. RIGHT-OF-WAY
- EX. CONCRETE
- EX. WETLANDS DELINEATION
- EX. TRAIL
- EX. CL BRANCH/CHANNEL
- EX. TREE LINE
- EX. POWER POLE
- PROP. EDGE OF PAVEMENT
- PROP. PAVEMENT MARKING

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NO.	DATE	BY	DESCRIPTION

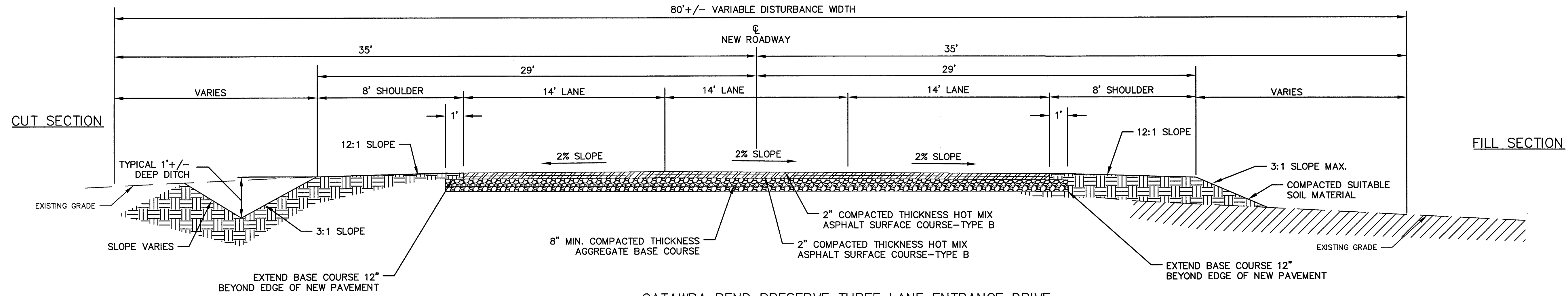


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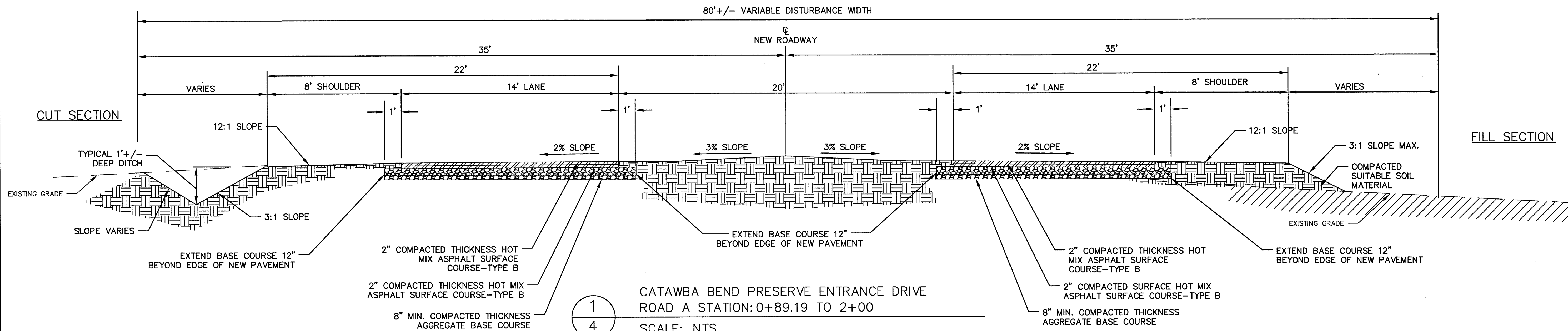
SHEET **3** OF **82**

CATAWBA BEND PRESERVE PHASE 1

OVERALL ROADWAY PLAN

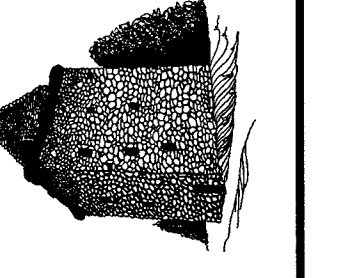


2
4
CATAWBA BEND PRESERVE THREE LANE ENTRANCE DRIVE
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SCALE: NTS

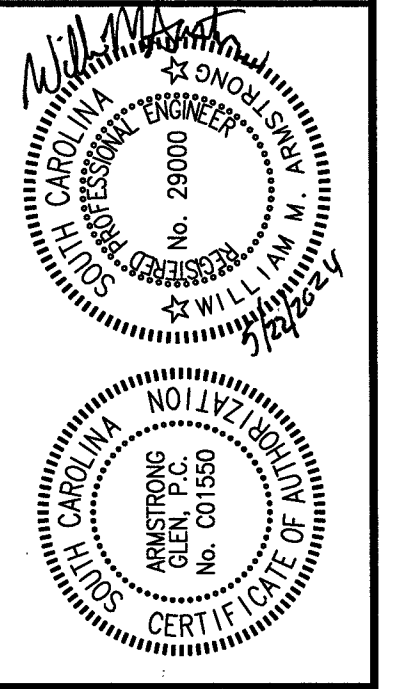


1
4
CATAWBA BEND PRESERVE ENTRANCE DRIVE
ROAD A STATION: 0+89.19 TO 2+00
SCALE: NTS

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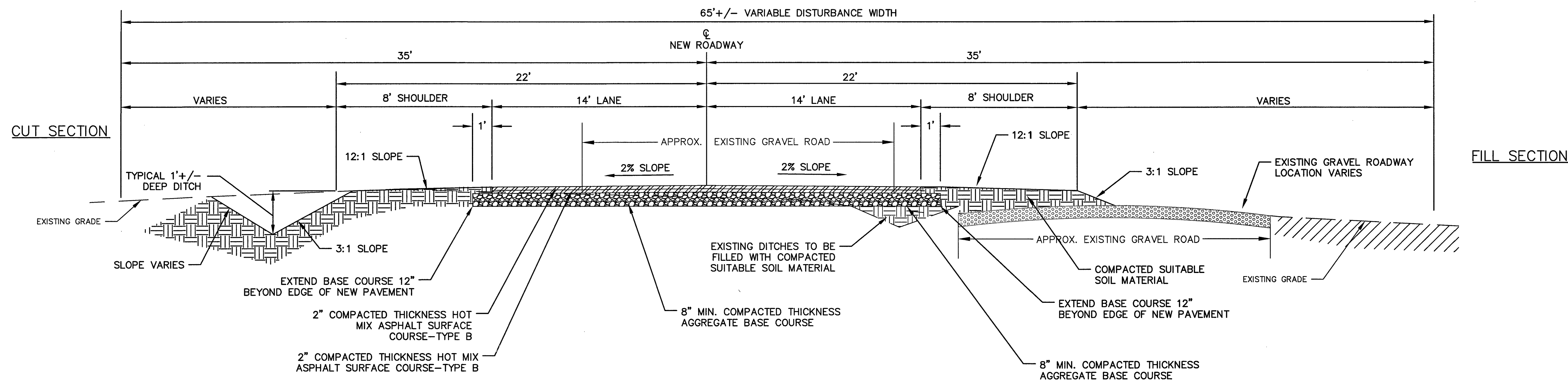


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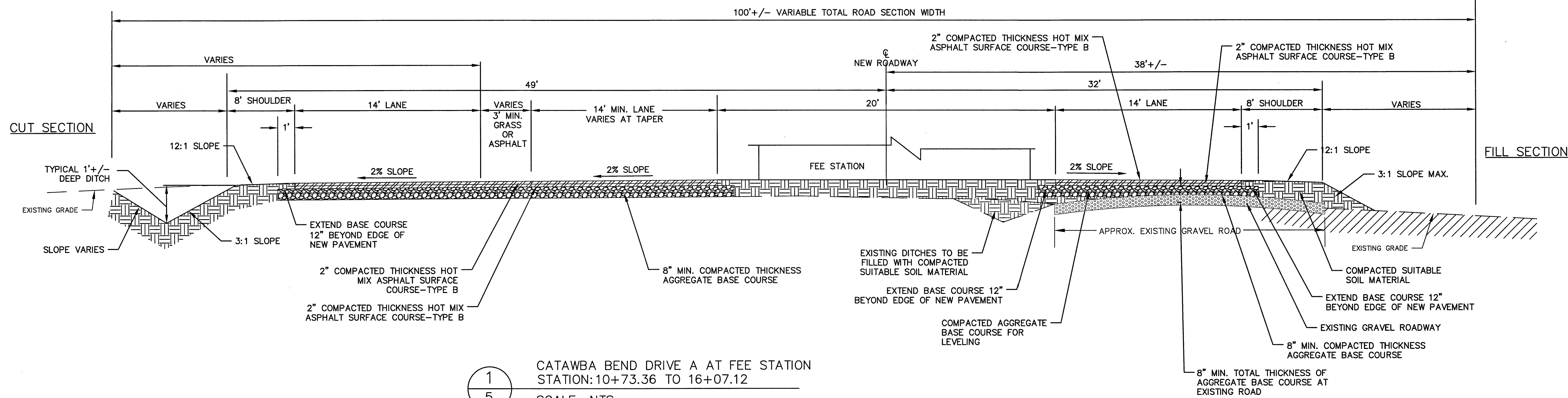


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		05/23/2024
D/C	PREPARED BY	DATE
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	APPROVED BY	

SHEET	CATAWBA BEND PRESERVE PHASE 1	
	4	OF 82
OF	TYPICAL ROAD SECTIONS	

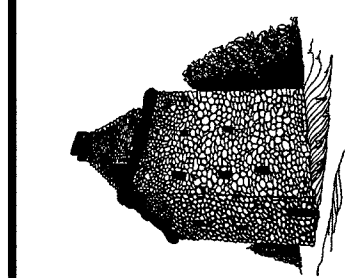


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SCALE: NTS

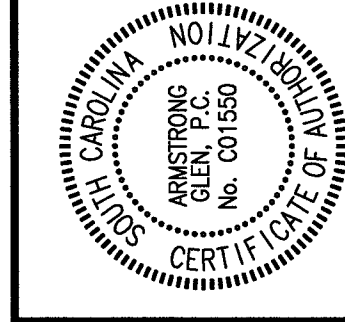
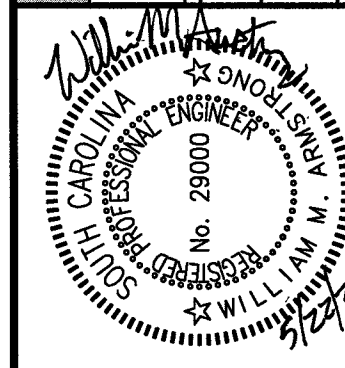


1
5 CATAWBA BEND DRIVE A AT FEE STATION
STATION: 10+73.36 TO 16+07.12
SCALE: NTS

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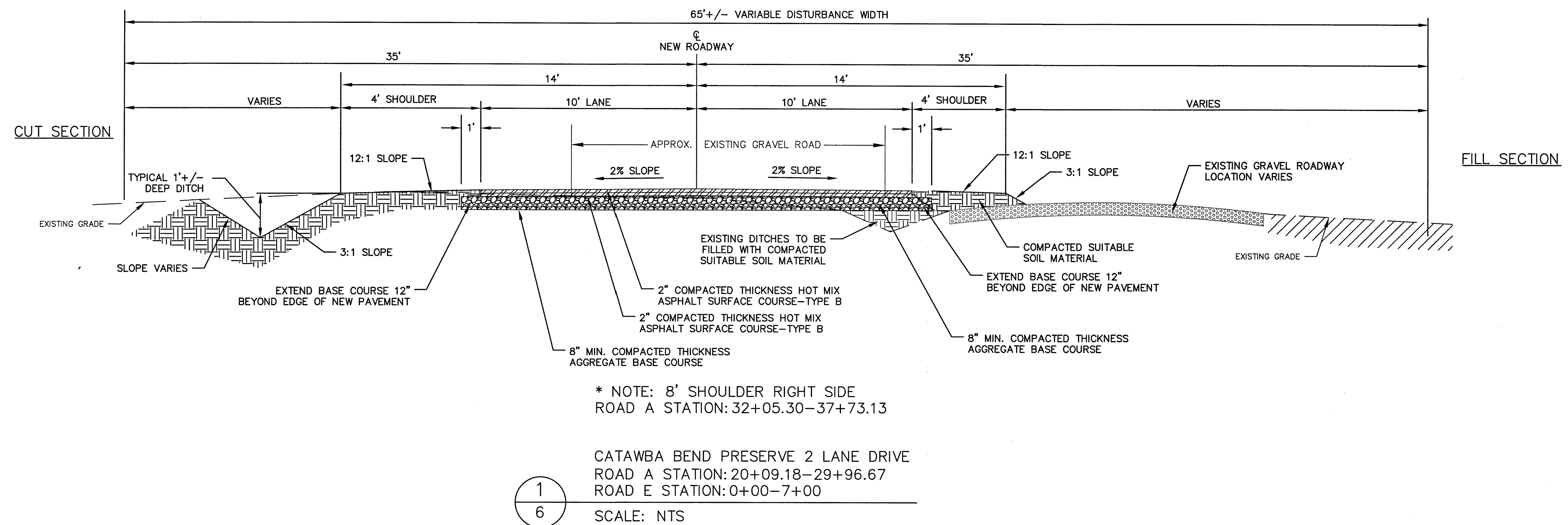
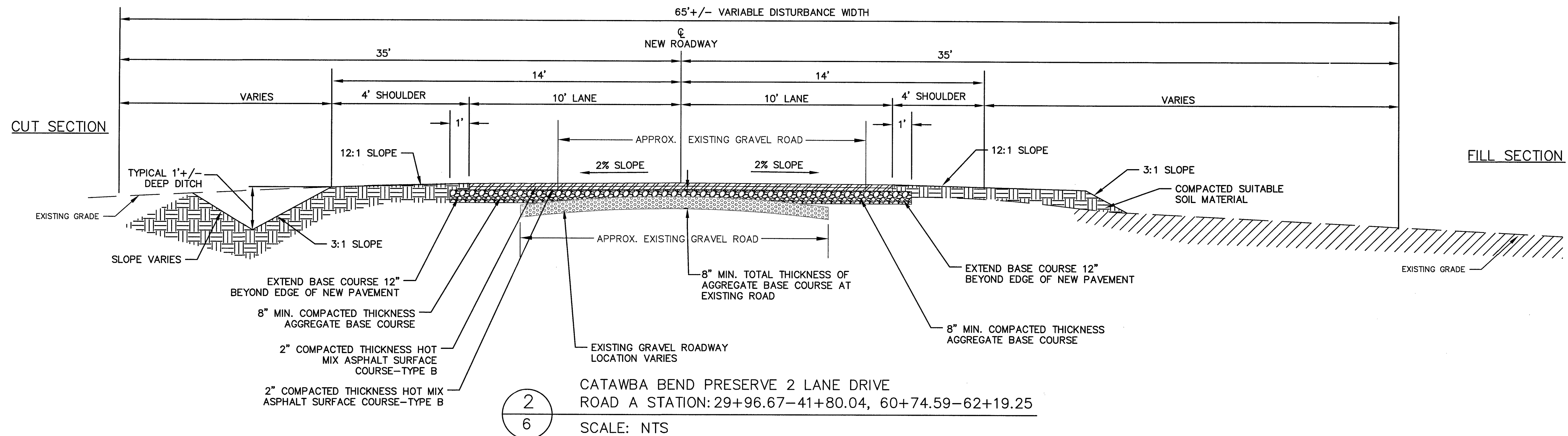


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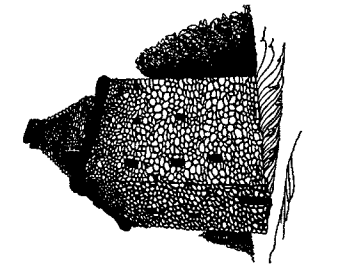


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DIC	05/23/2024	DATE
PREPARED BY	WMA	APPROVED BY

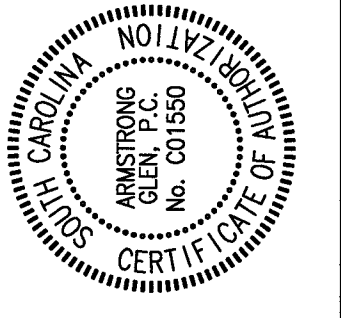
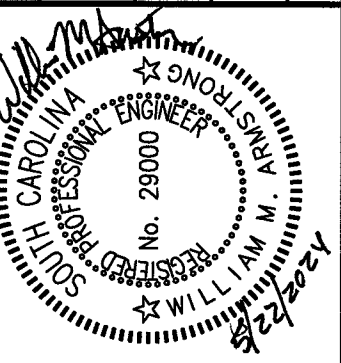
CATAWBA BEND PRESERVE PHASE 1
TYPICAL ROAD SECTIONS



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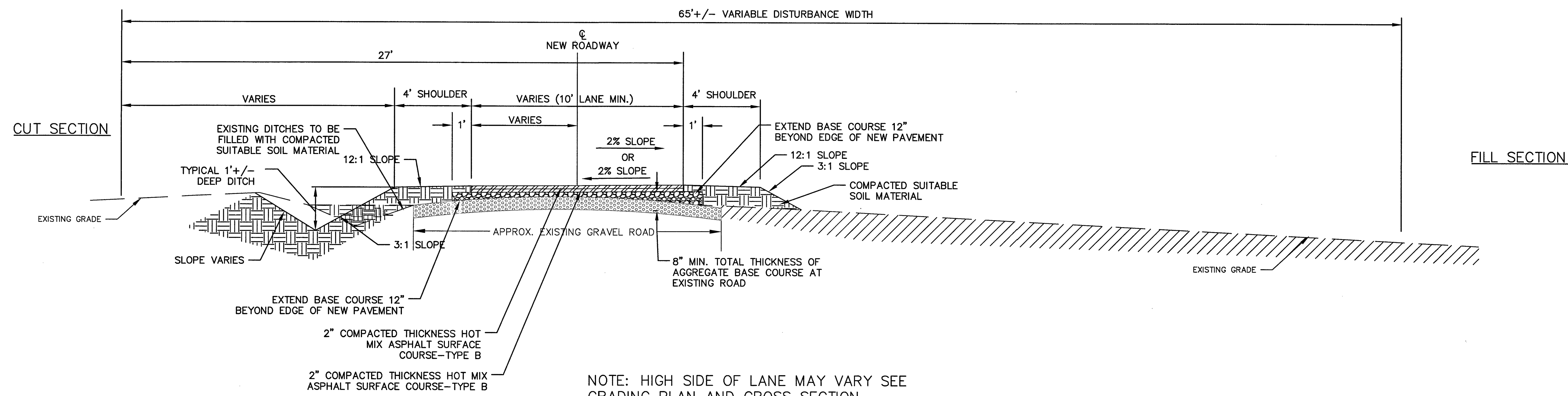
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CATAWBA BEND PRESERVE PHASE 1

TYPICAL ROAD SECTIONS



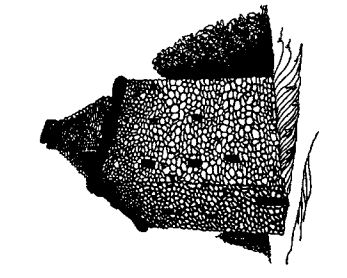
NOTE: HIGH SIDE OF LANE MAY VARY SEE GRADING PLAN AND CROSS SECTION

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 ROAD B STATION: 0+00-1+90
 ROAD C STATION: 0+00-1+20
 ROAD D STATION 0+00-22+67.84

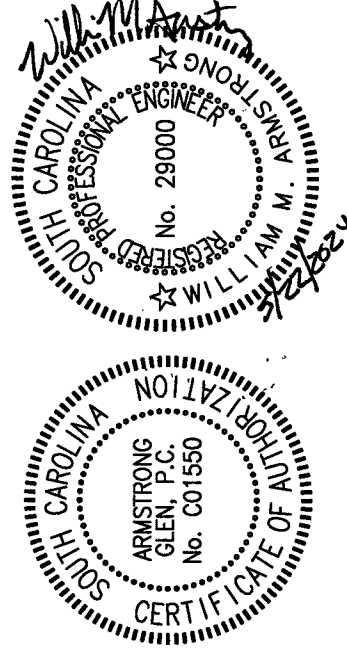
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7

SCALE: NTS

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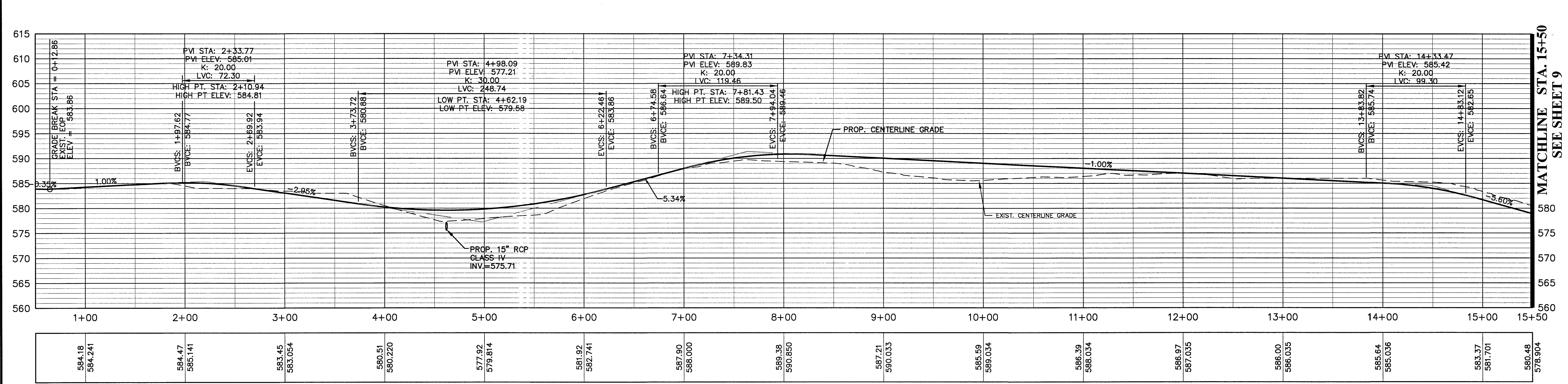
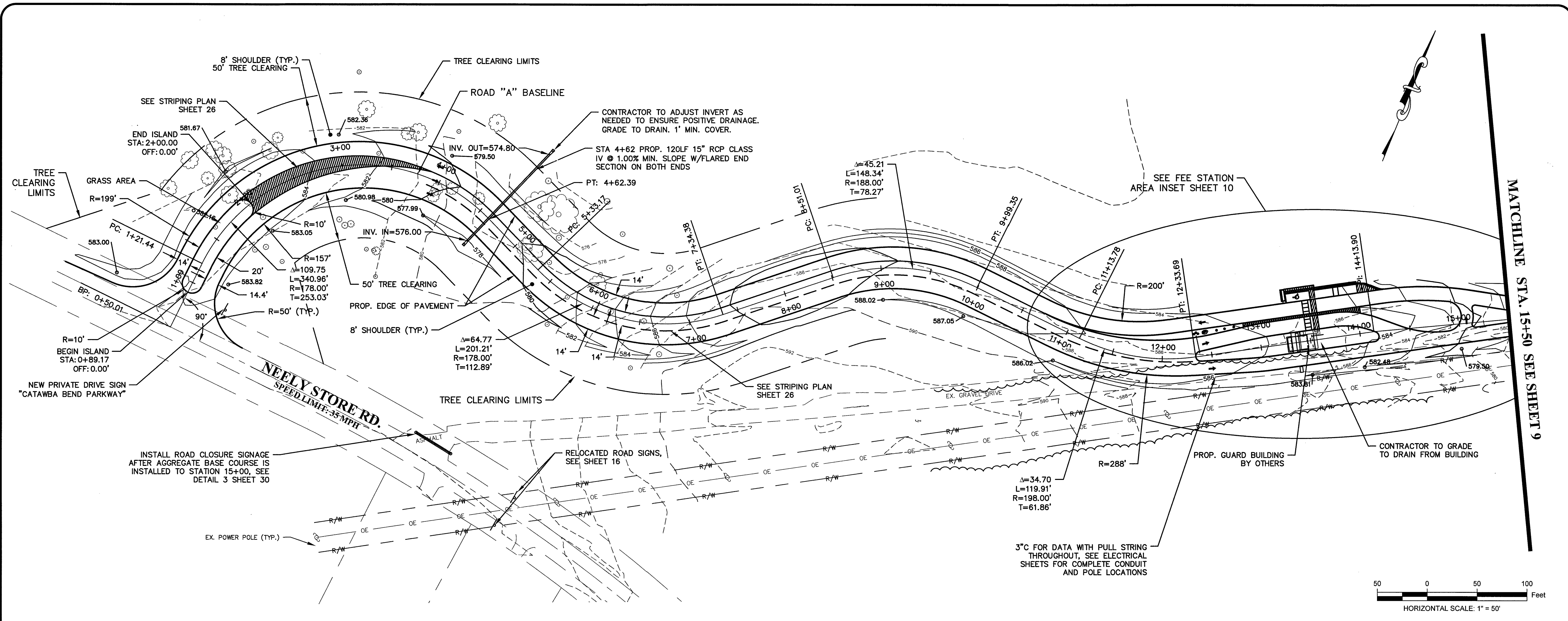
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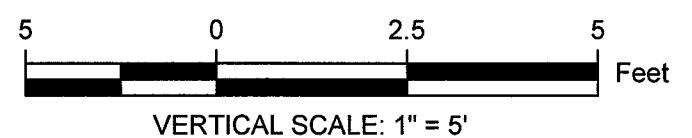
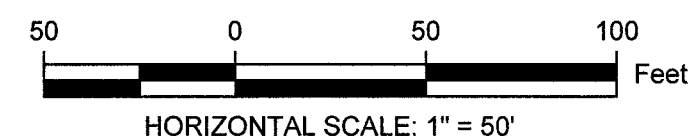
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CATAWBA BEND PRESERVE PHASE 1
 TYPICAL ROAD SECTIONS

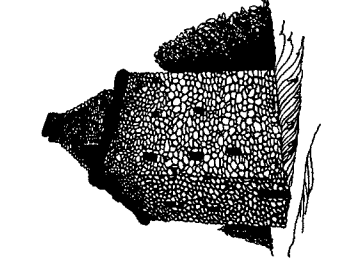
SHEET 7 OF 82



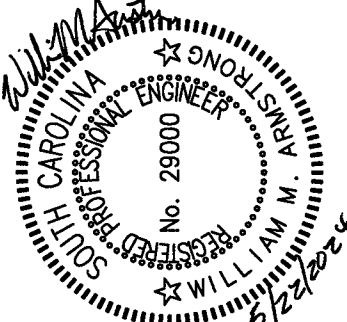
ROADWAY A



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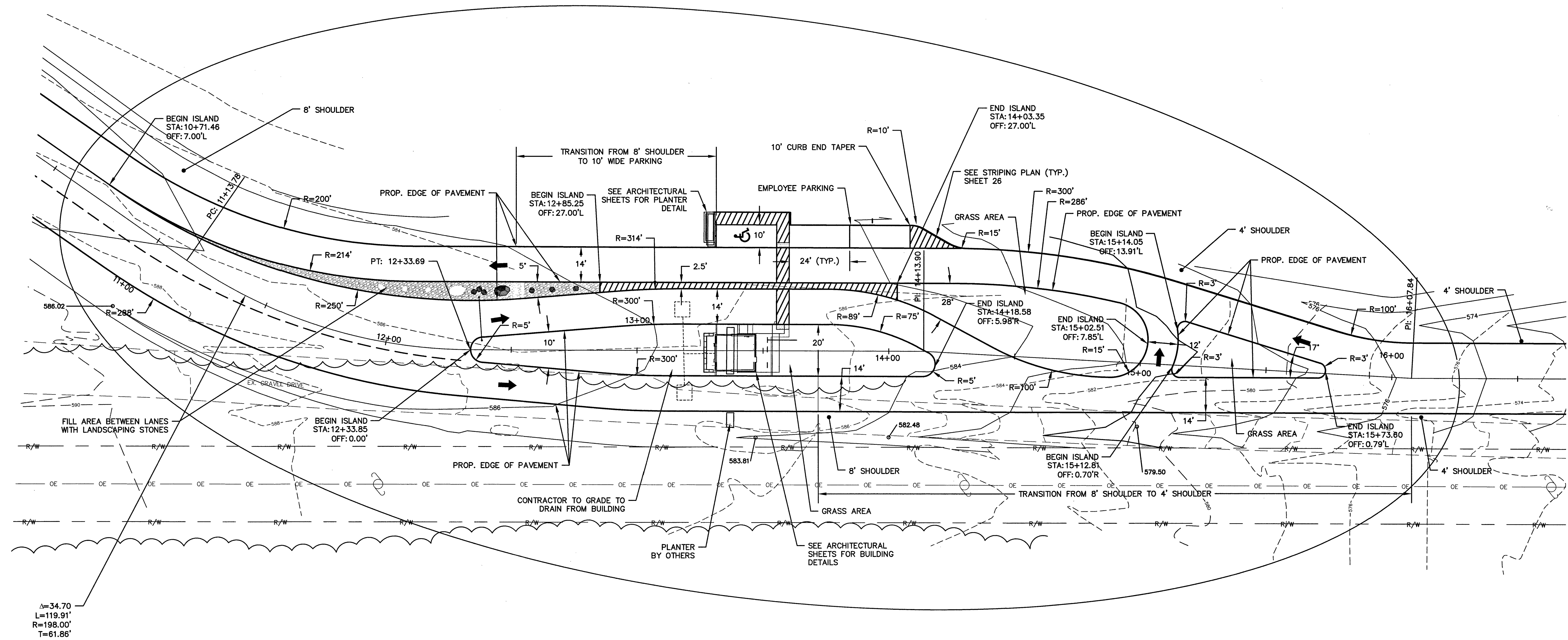
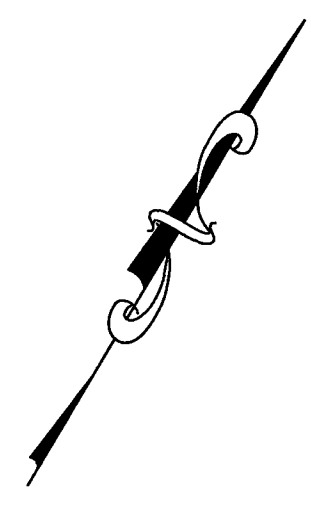


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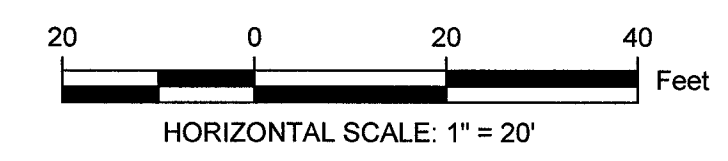


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CAD FILE PATH	CHECKED BY	DATE	
	DAC		
PREPARED BY	WMA		
	APPROVED BY		

CATAWBA BEND PRESERVE PHASE 1 ROADWAY A PLAN & PROFILE STA. 0+50.01 - 15+50

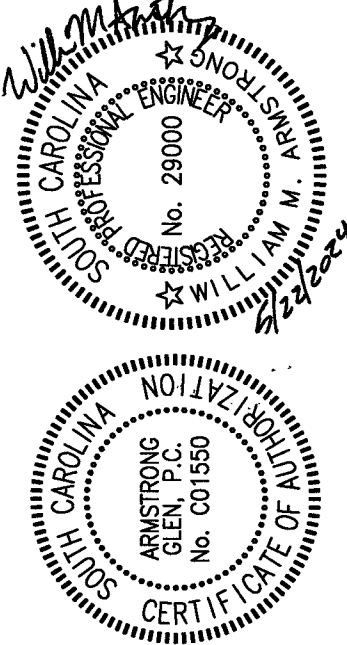


$\Delta = 34.70$
 $L = 119.91'$
 $R = 198.00'$
 $T = 61.86'$



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 9731-L Southern Pine Boulevard
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 Fax: 704-529-0495

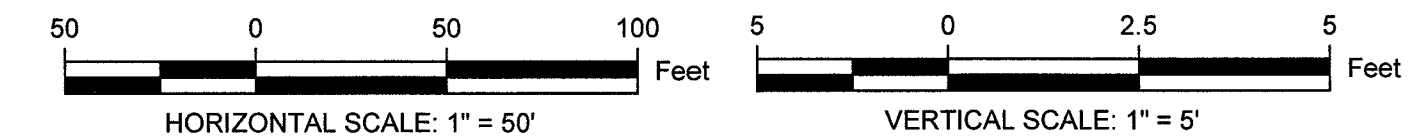
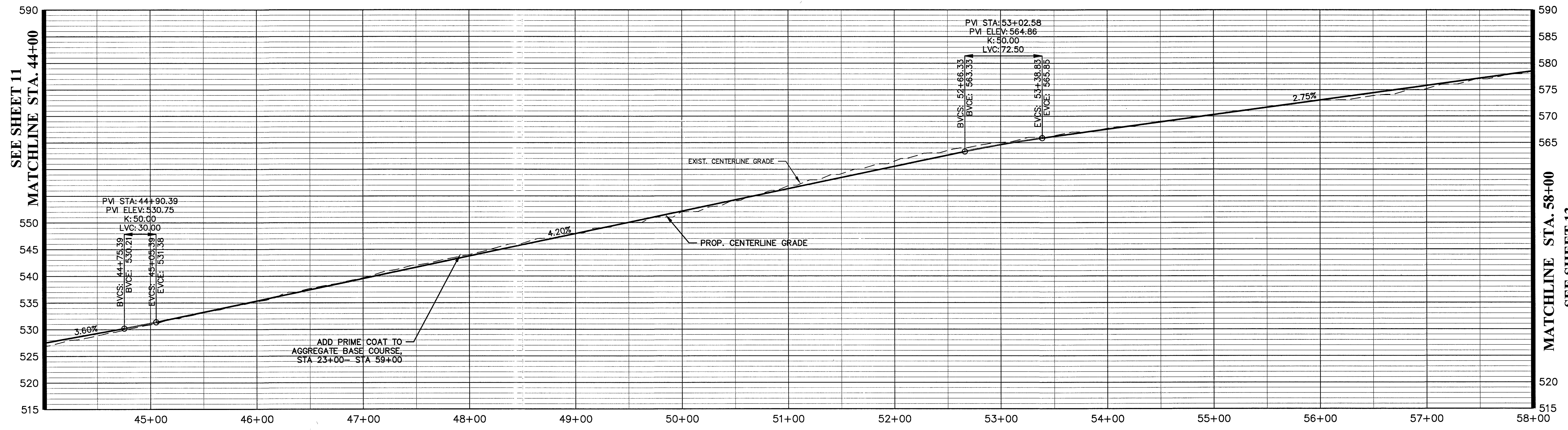
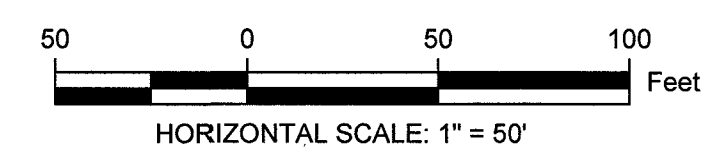
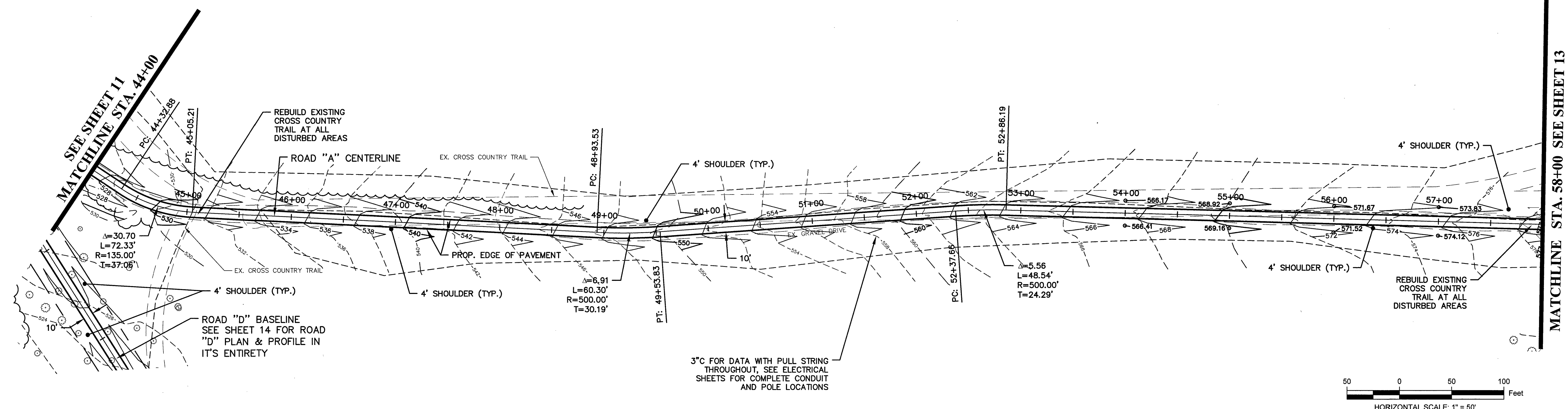
NO.	DATE	BY	DESCRIPTION



22106	JOB NO.	SCALE	1"=50'
ZERO/STATION/END ENTRANCE ROAD/WMA	CAD FILE PATH	CHECKED BY	WMA
D/C	DATE	DATE	05/28/2024
PREPARED BY	APPROVED BY		

CATAWBA BEND PRESERVE PHASE 1
ROADWAY A PLAN
FEE STATION AREA

SHEET **10** OF **82**



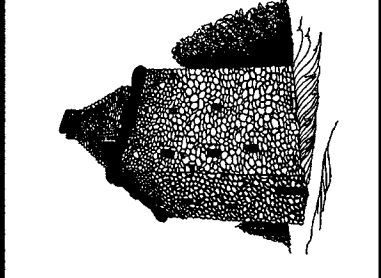
SEE SHEET 11
MATCHLINE STA. 44+00

MATCHLINE STA. 58+00
SEE SHEET 13

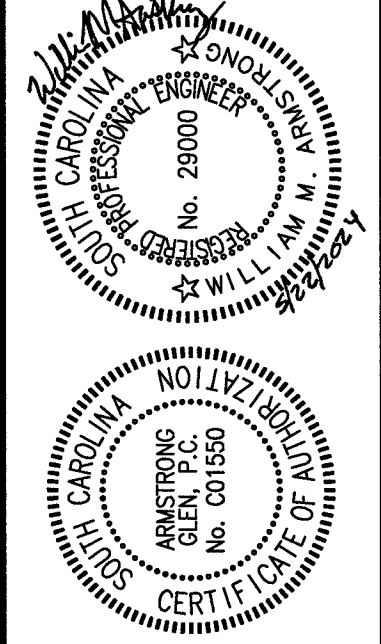
ROADWAY A

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527.492	531.152	535.349	539.549	543.749	547.949	552.149	556.349	560.549	564.636	567.537	570.287	573.037	575.787	578.537

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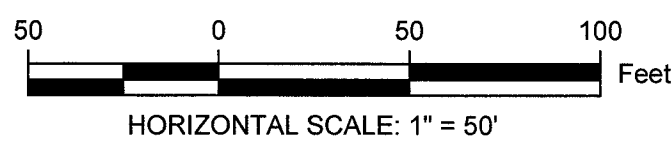
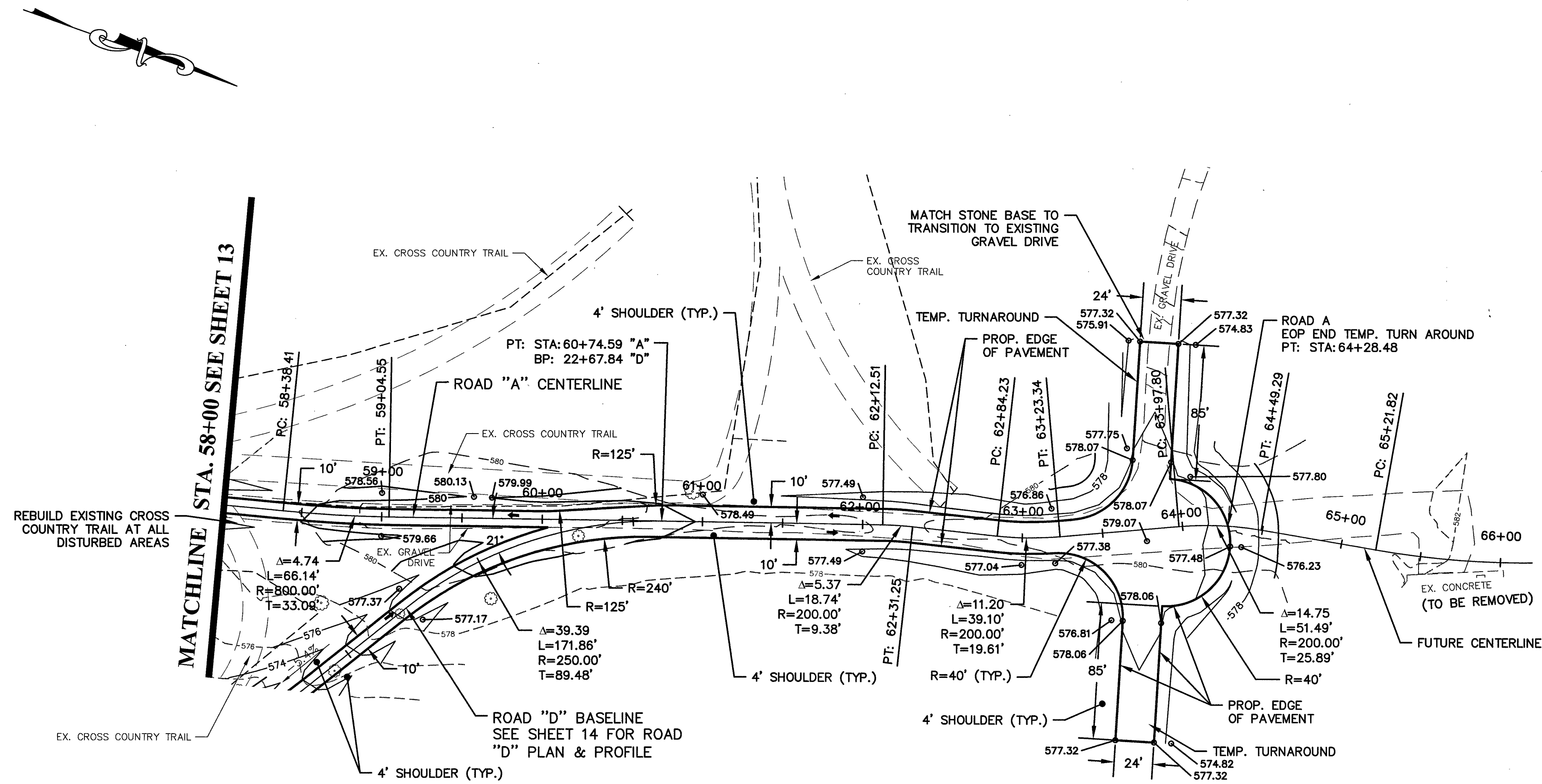


NO.	DATE	BY	DESCRIPTION

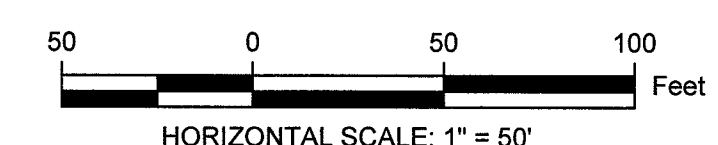
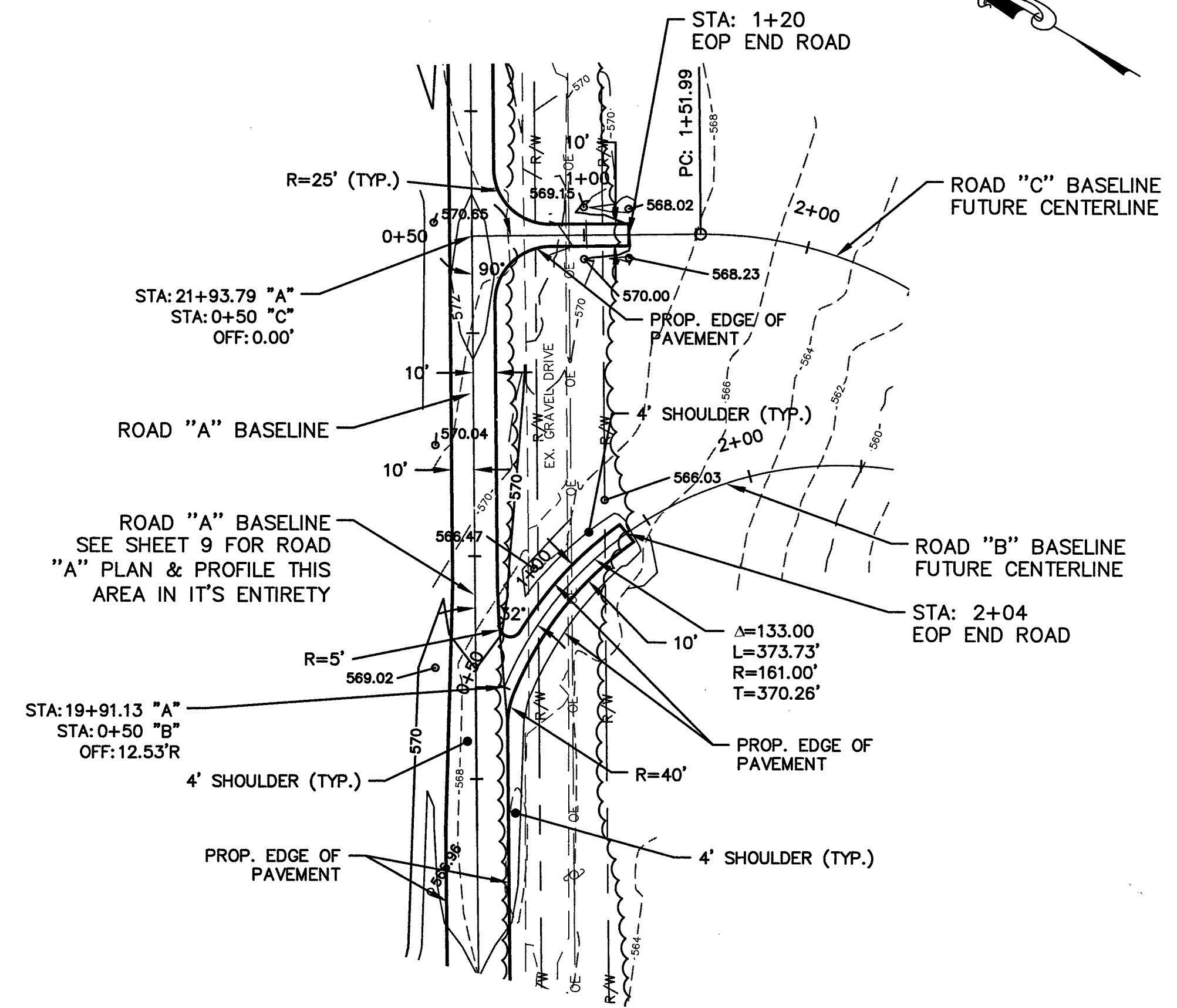


22106	2/23/2024	WMA
JOB NO.	DATE	APPROVED BY
22106/CATAWBA BEND ENTRANCE ROAD/ASD/WMA	05/23/2024	WMA
CAD FILE PATH	DATE	APPROVED BY
DJC	05/23/2024	WMA
PREPARED BY	DATE	APPROVED BY

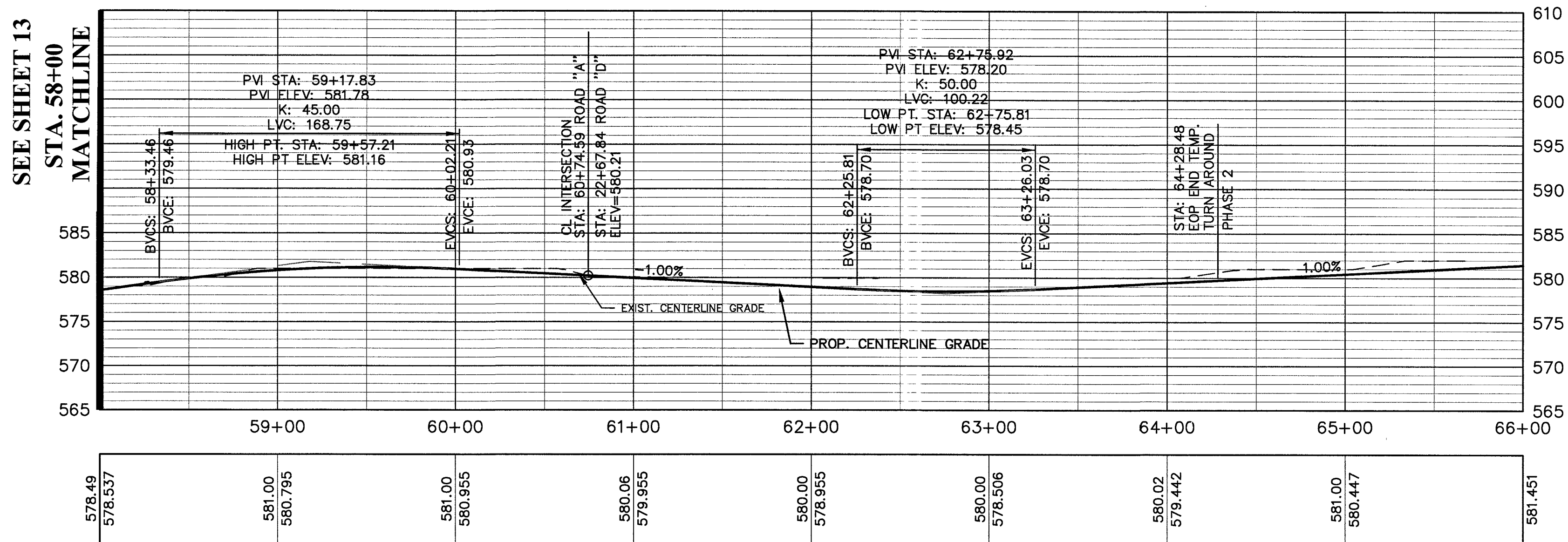
CATAWBA BEND
PRESERVE PHASE 1
ROADWAY A
PLAN & PROFILE
STA. 44+00 - 58+00



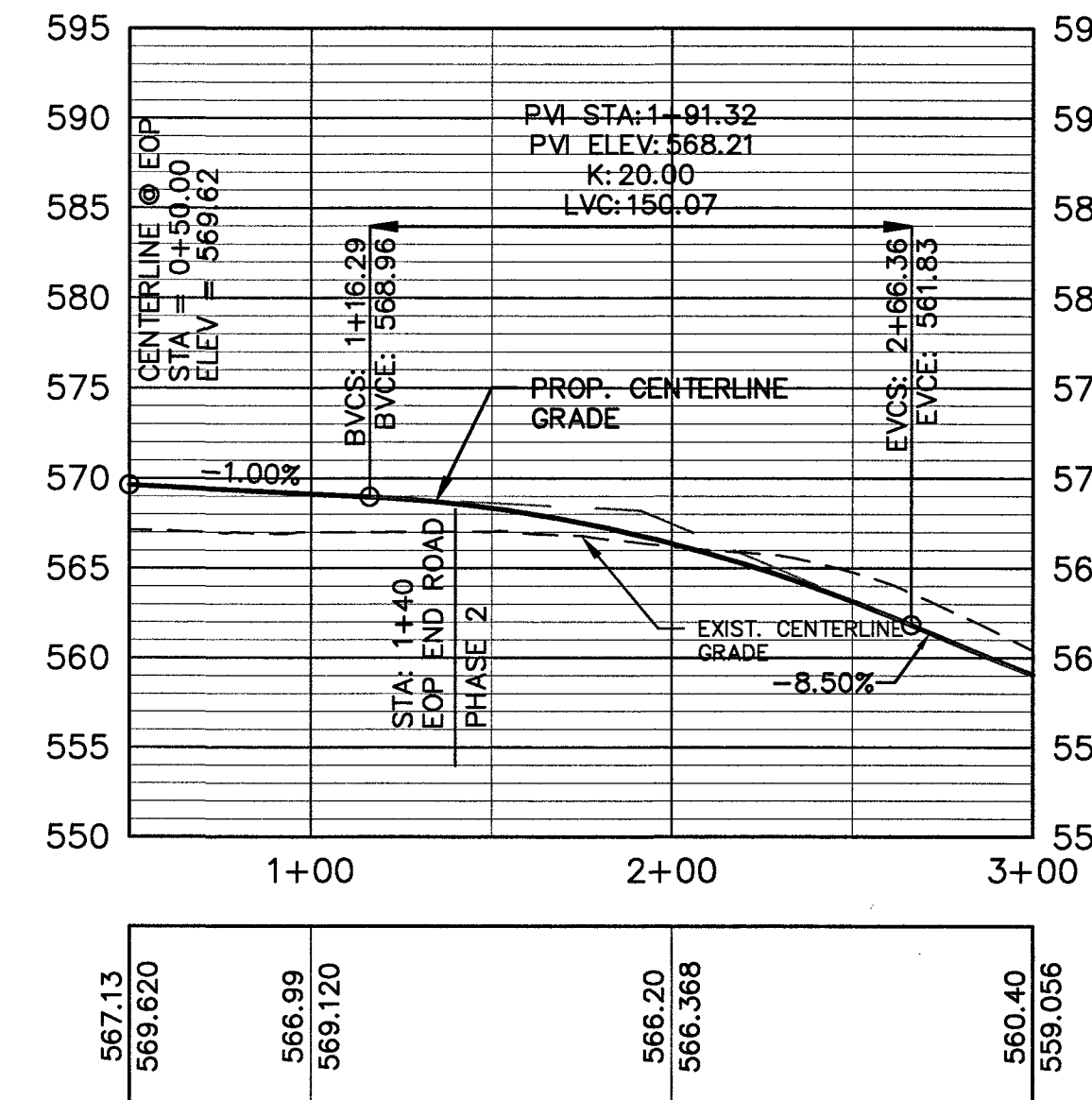
ROADWAY A



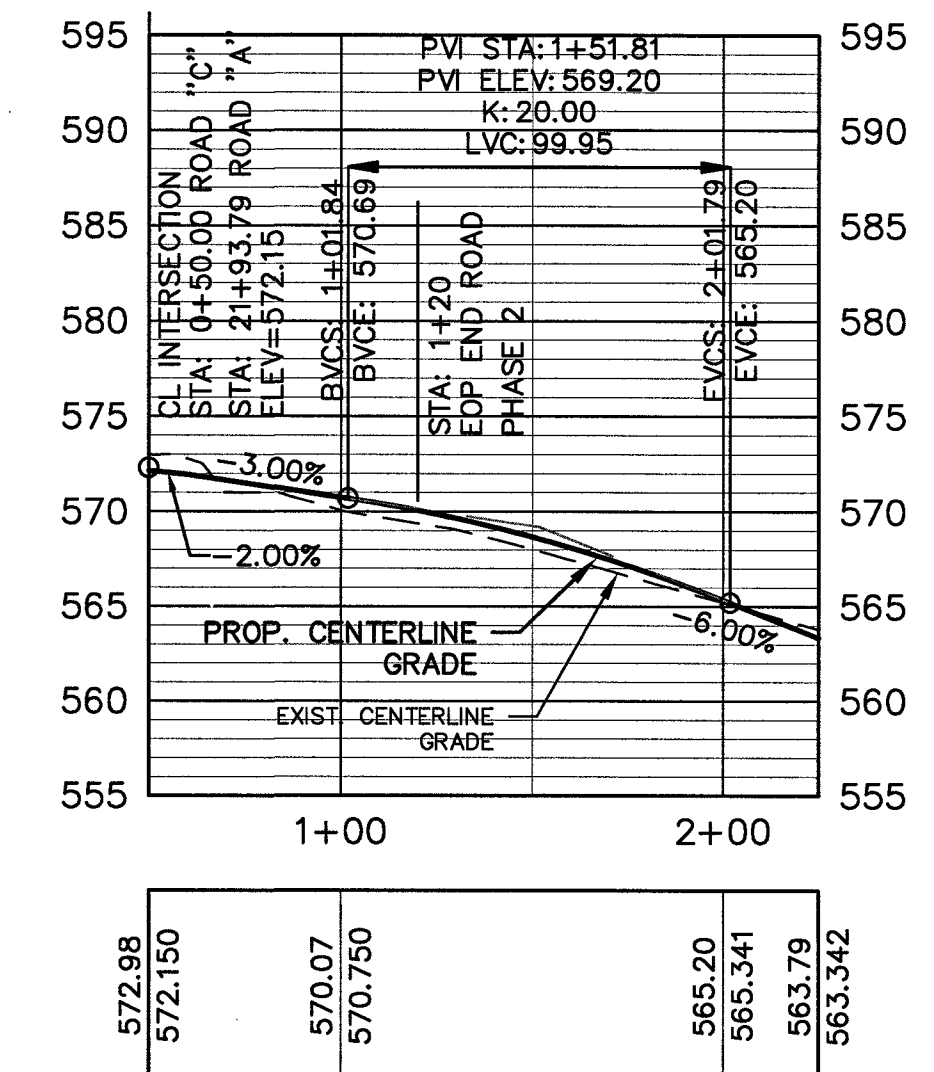
ROADWAY B & C



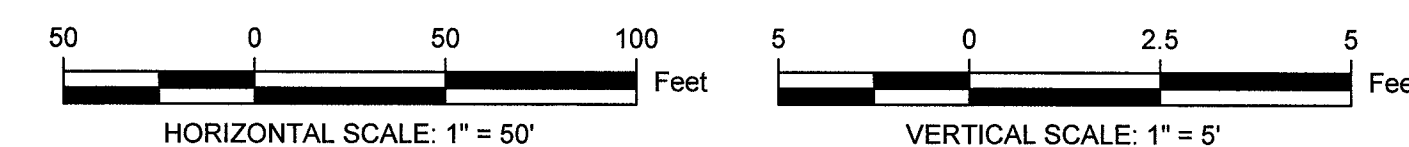
ROADWAY A



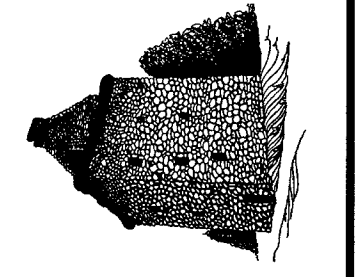
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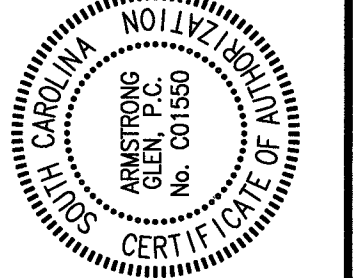
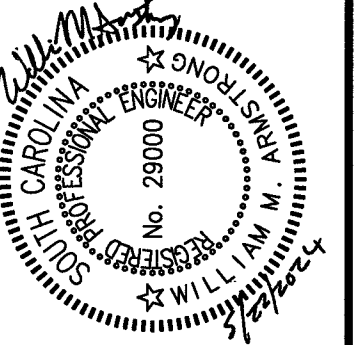
ROADWAY C



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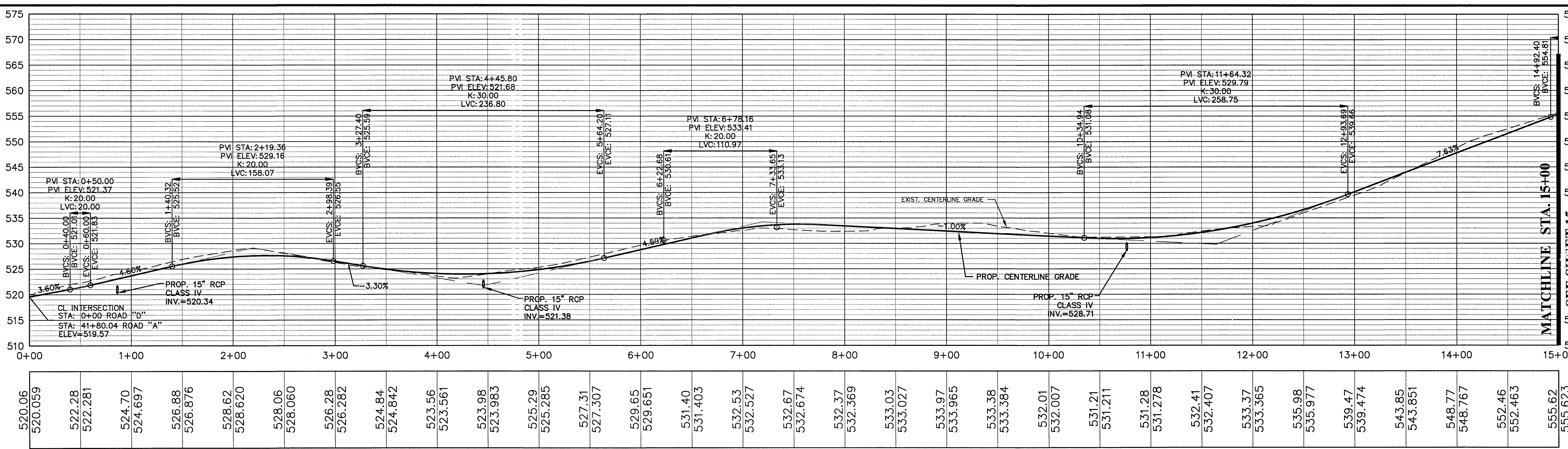
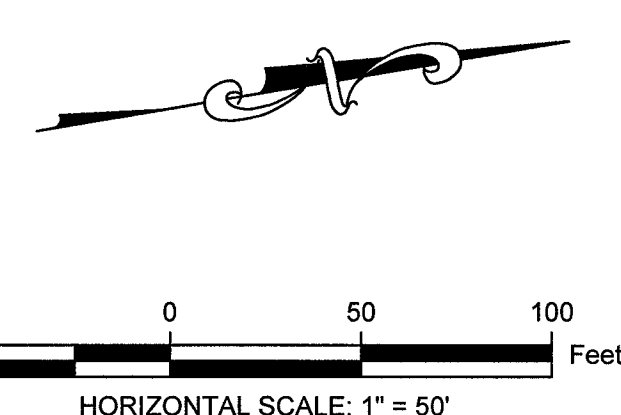
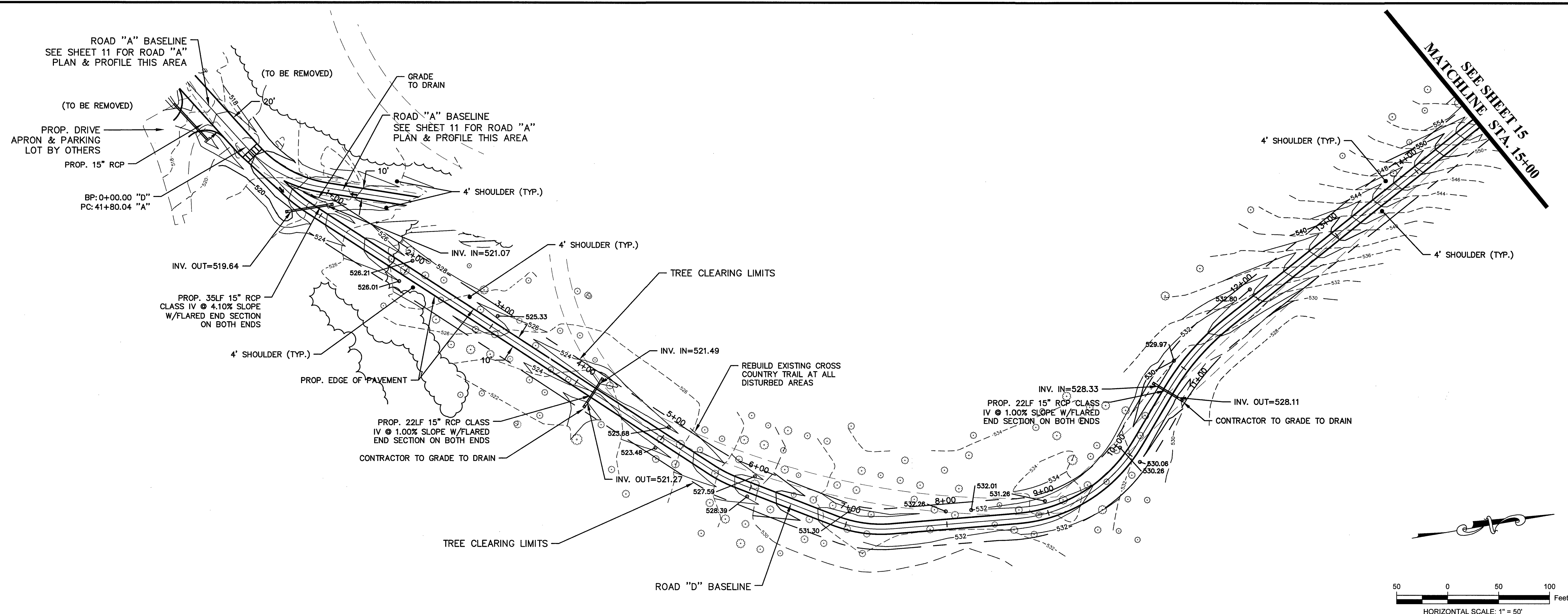


NO.	DATE	DESCRIPTION

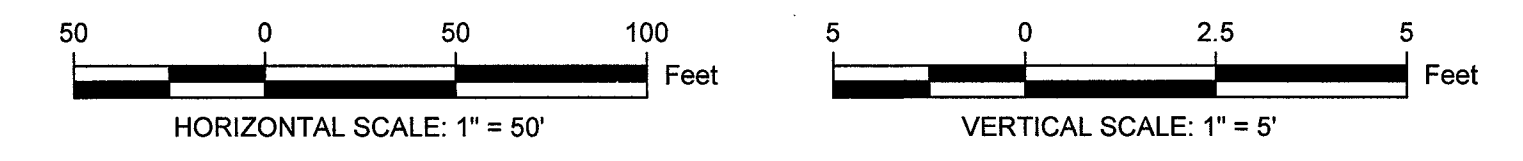


22108	22108	1"=50'
JOB NO.	SCALE	
2109/CATAWBA BEND ENTRANCE ROAD/ADD/INVA	CAD FILE PATH	CHECKED BY

CATAWBA BEND PRESERVE PHASE 1
 PLAN & PROFILE
 ROADWAY A STA. 58+00 - 64+28.48
 ROADWAY B STA. 50+00 - 2+04
 ROADWAY C STA. 50+00 - 1+20



ROADWAY D



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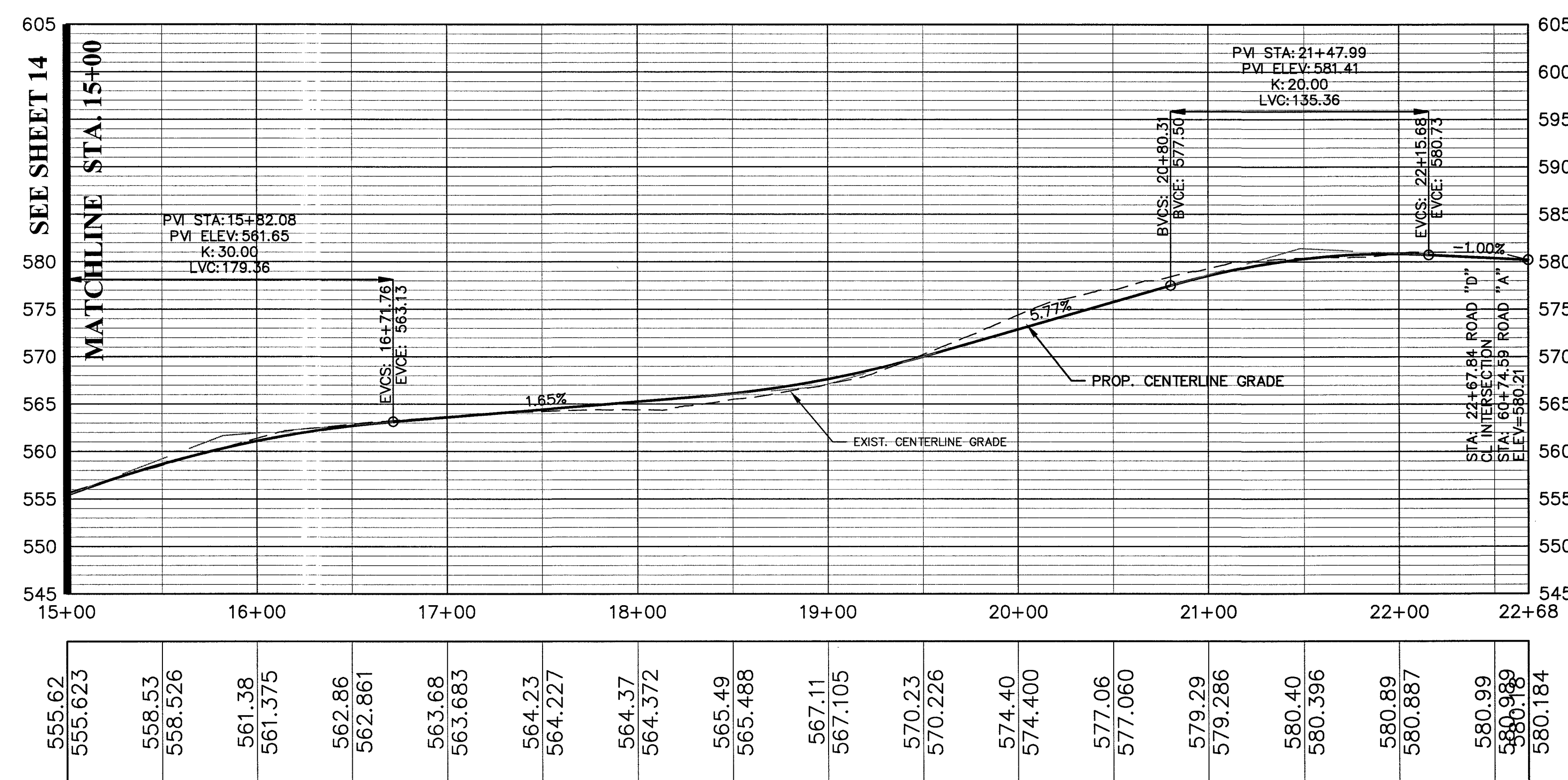
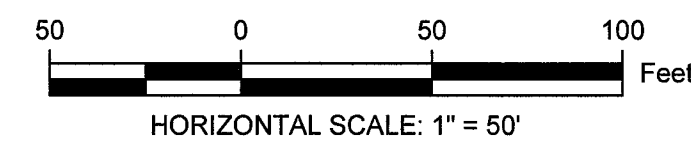
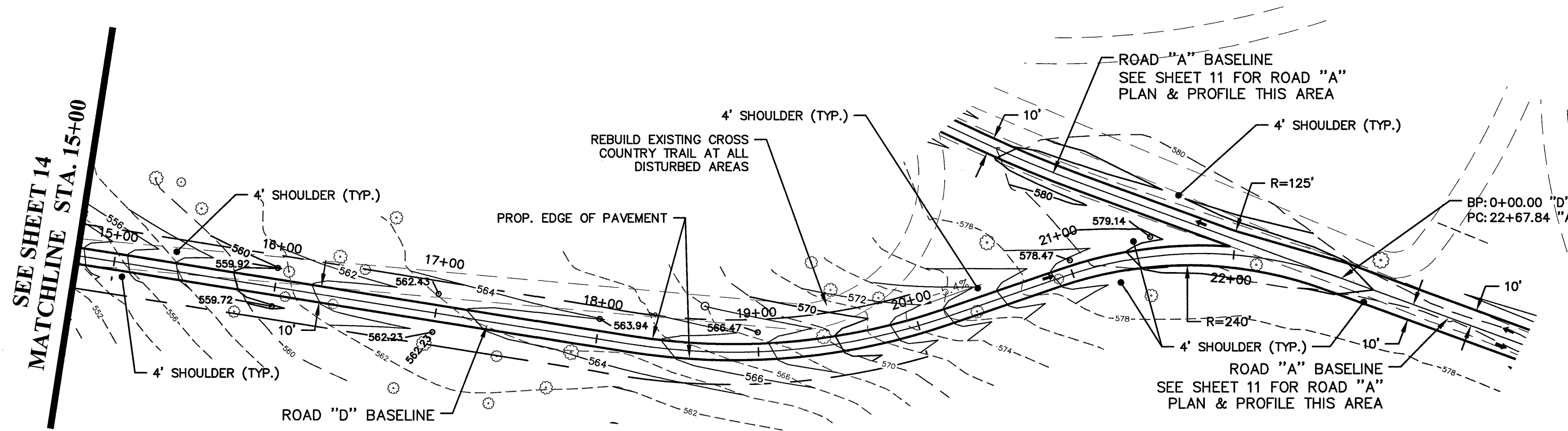
NO.	DATE	DESCRIPTION

22106
JOB NO.
22106/CATAWBA BEND ENTRANCE ROAD/LOAD/WMA
CAD FILE PATH
CHECKED BY
05/23/2024
DATE
DUC
PREPARED BY
WMA
APPROVED BY

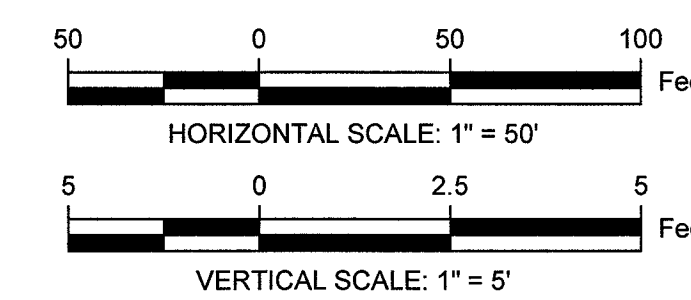
1" = 50'
SCALE

CATAWBA BEND PRESERVE PHASE 1
ROADWAY D
PLAN & PROFILE
STA. 0+00 - 15+00

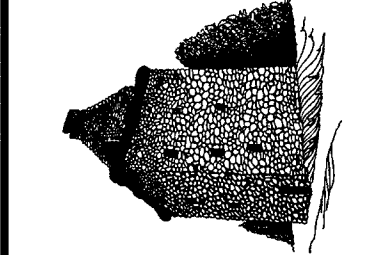
SHEET 14 OF 82



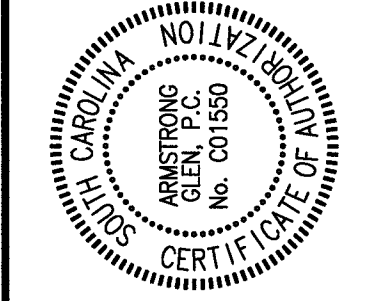
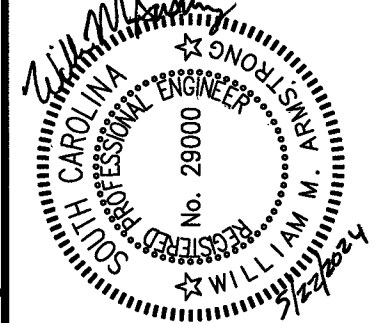
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564.37
564.372
565.49
565.488
567.11
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570.23
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574.40
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577.06
577.060
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579.286
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580.887
580.99
580.989
580.184



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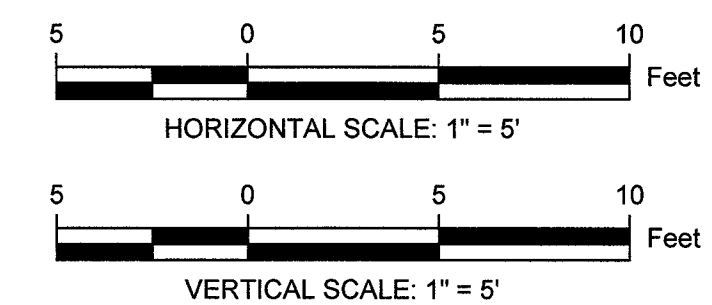
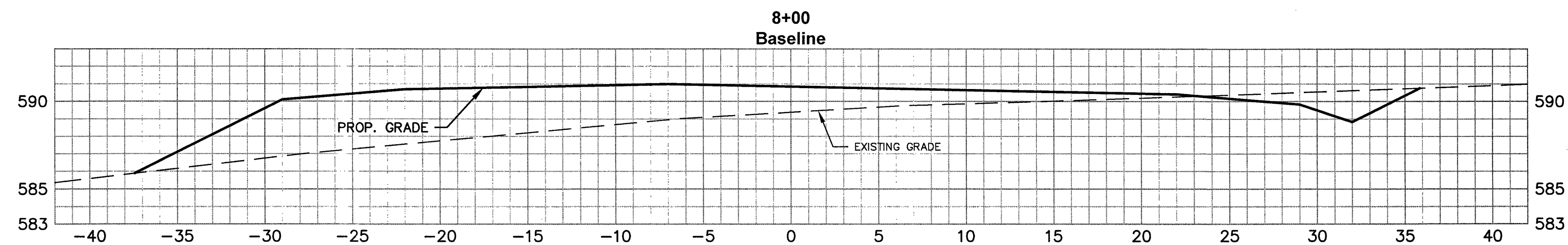
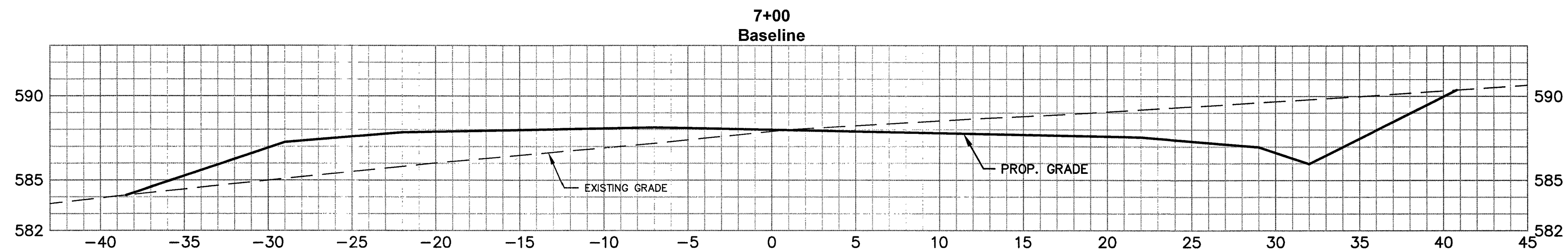
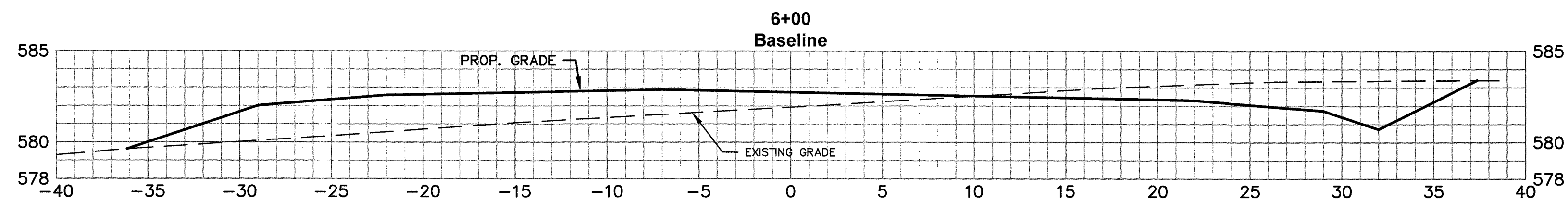
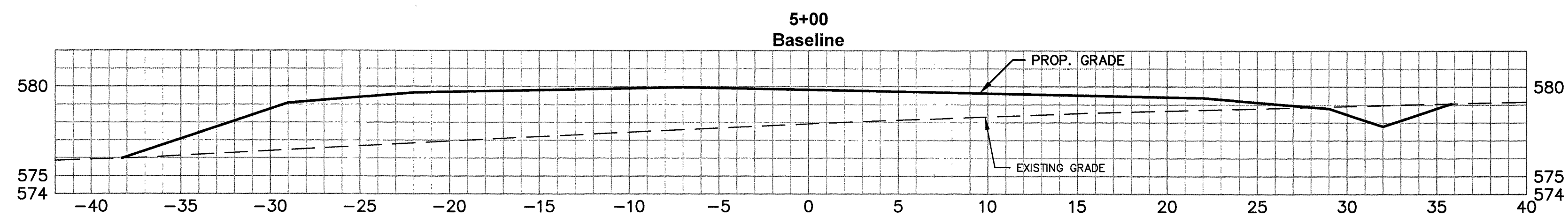
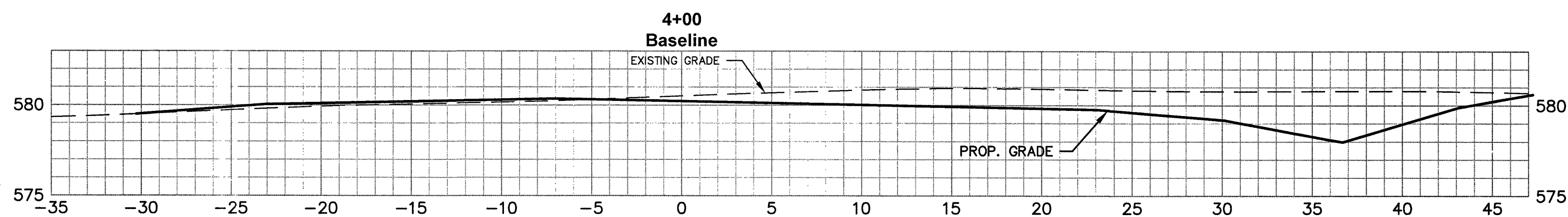
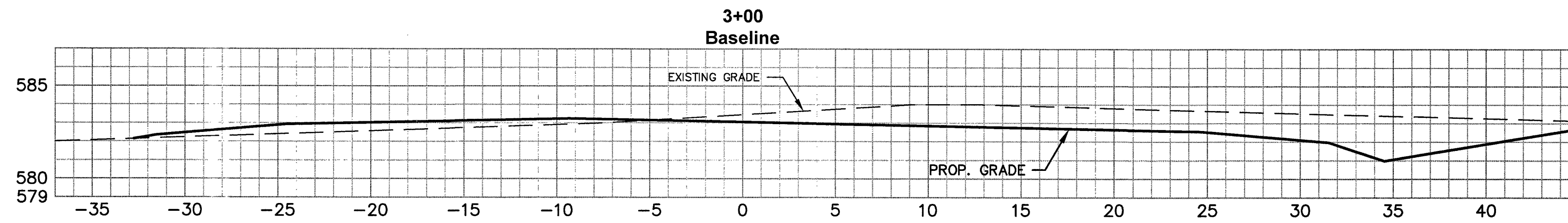
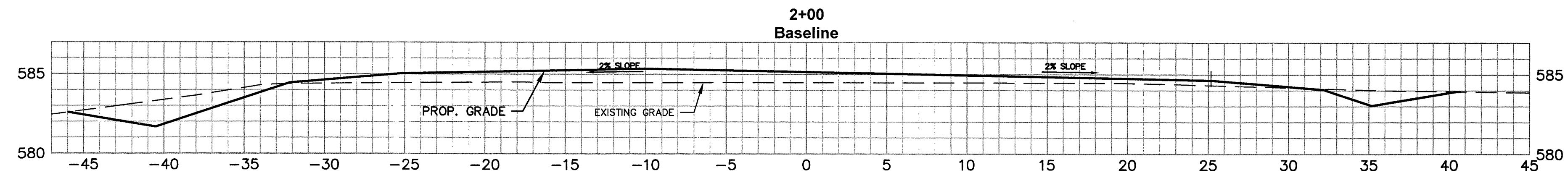
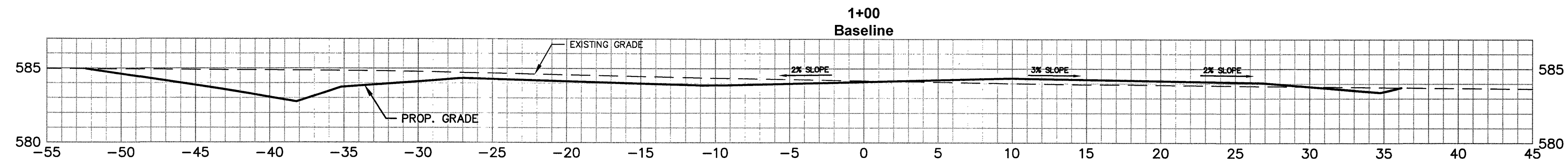
NO.	DATE	BY	DESCRIPTION



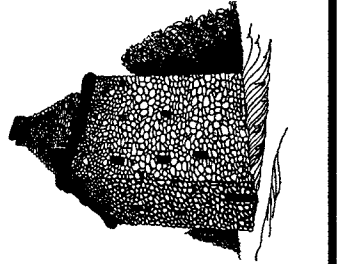
22106	SCALE: 1"=50'
JOB NO.	22106/CATAWBA BEND ENTRANCE ROAD/JGD/WMA
CAD FILE PATH	CHECKED BY: JGD
DATE	05/23/2024
PREPARED BY: WMA	APPROVED BY:

**CATAWBA BEND
 PRESERVE PHASE 1
 ROADWAY D
 PLAN & PROFILE
 STA. 15+00 - 22+67.84**

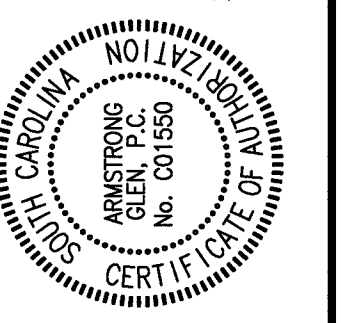
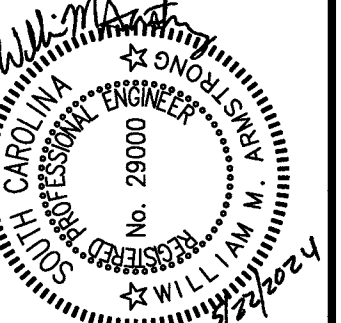
SHEET **15** OF **82**



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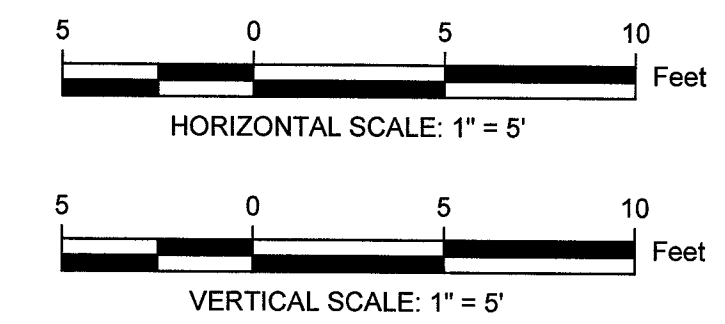
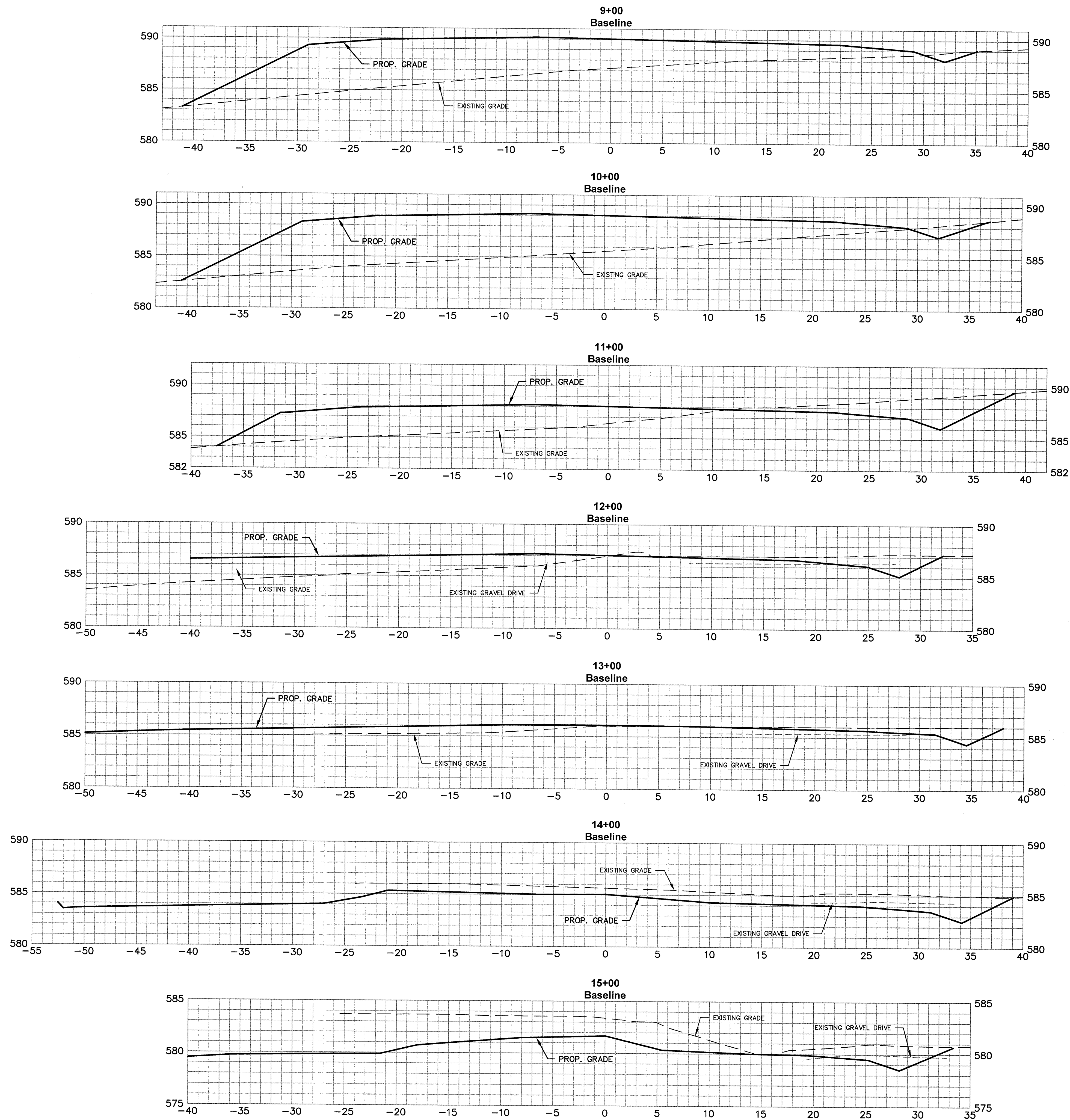


NO.	DATE	BY	DESCRIPTION

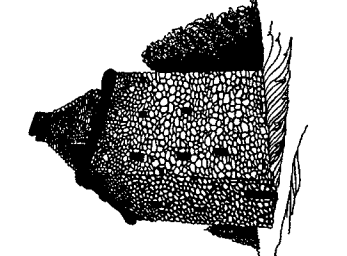


22106	SCALE	1"=50'
JOB NO.	CHECKED BY	WMA
22106/CATAWBA BEND ENTRANCE ROAD/ADD/WMA	DATE	05/23/2024
CAD FILE PATH	DATE	
DJC	PREPARED BY	WMA
	APPROVED BY	

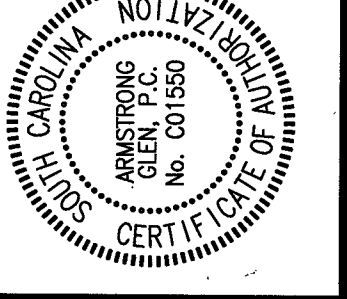
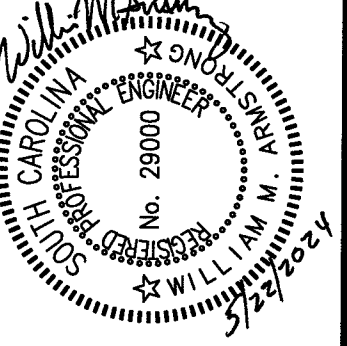
CATAWBA BEND PRESERVE PHASE 1 ROADWAY A CROSS SECTIONS STA. 1+00 - 8+00



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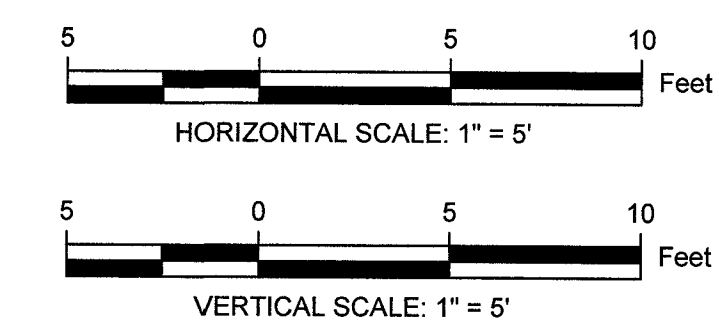
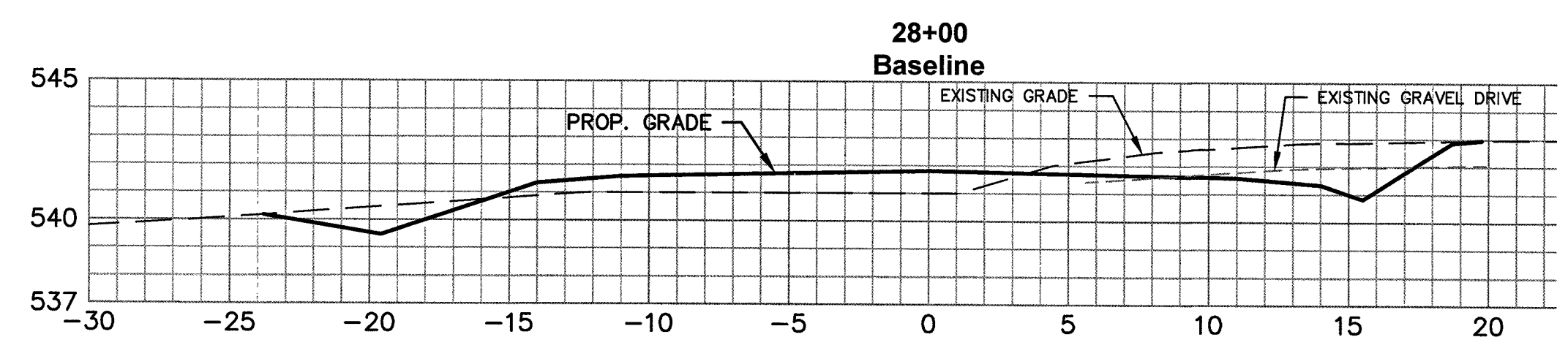
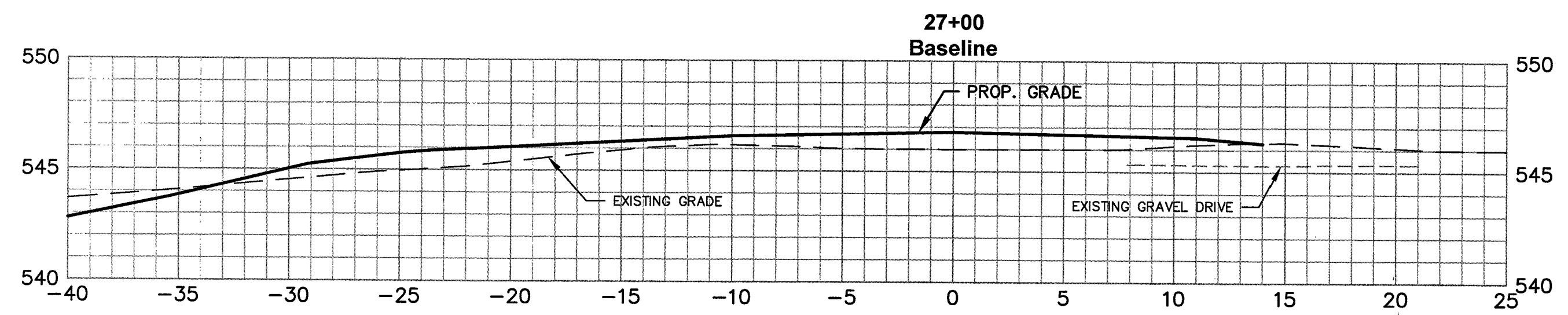
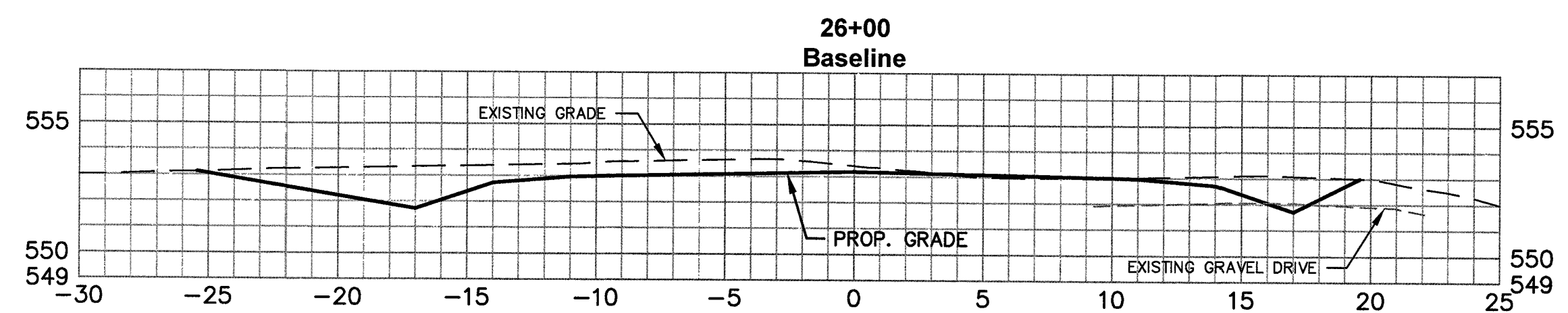
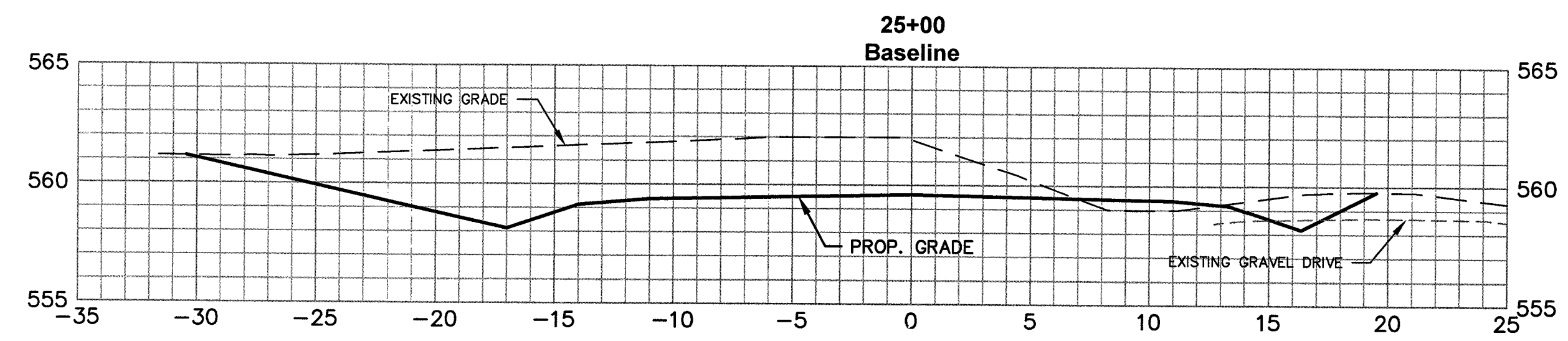
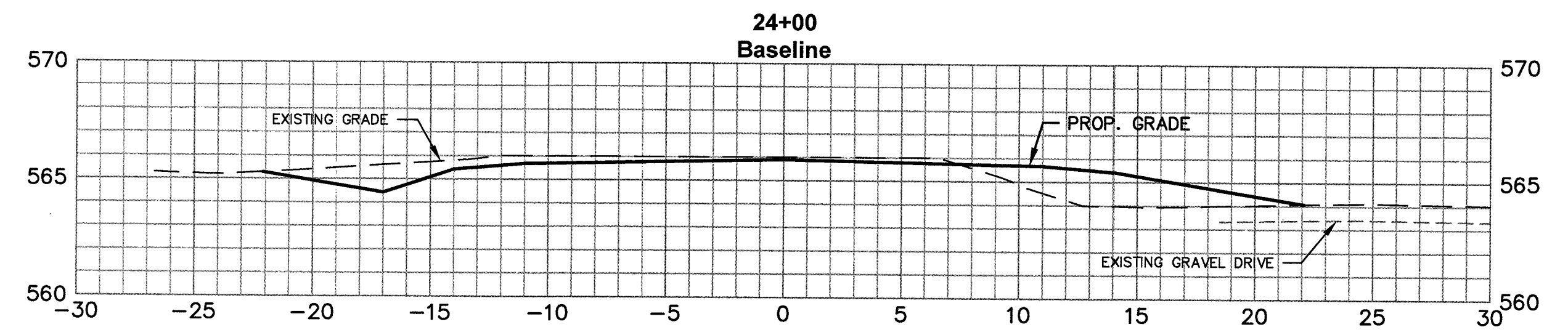
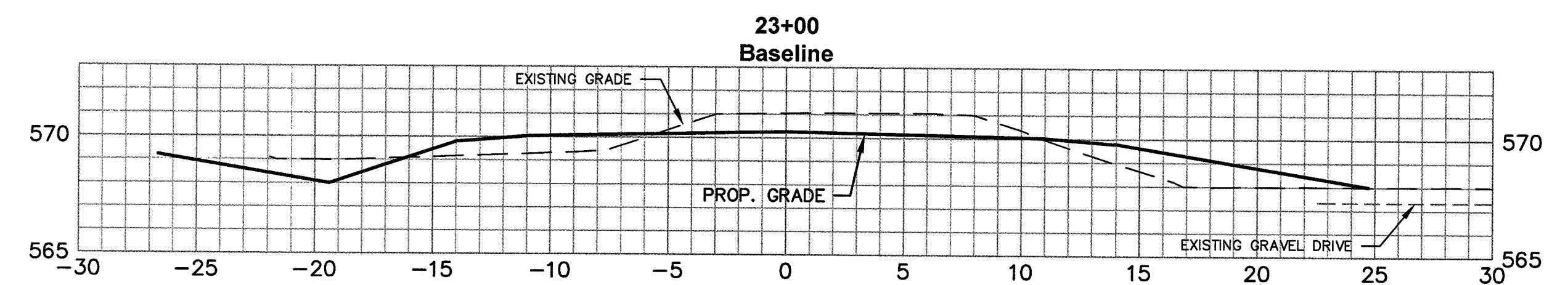
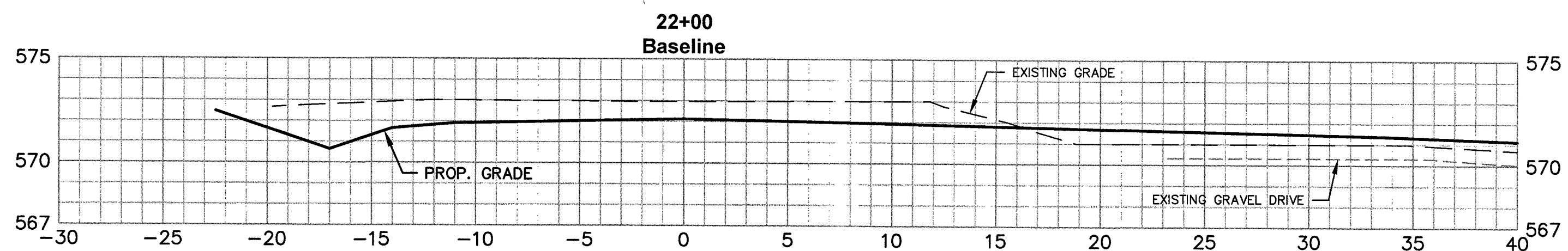
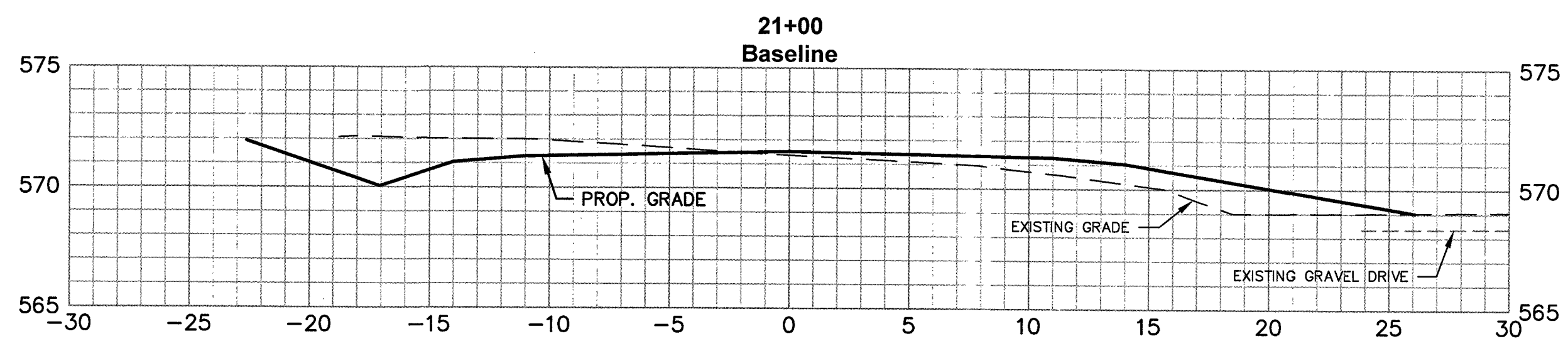
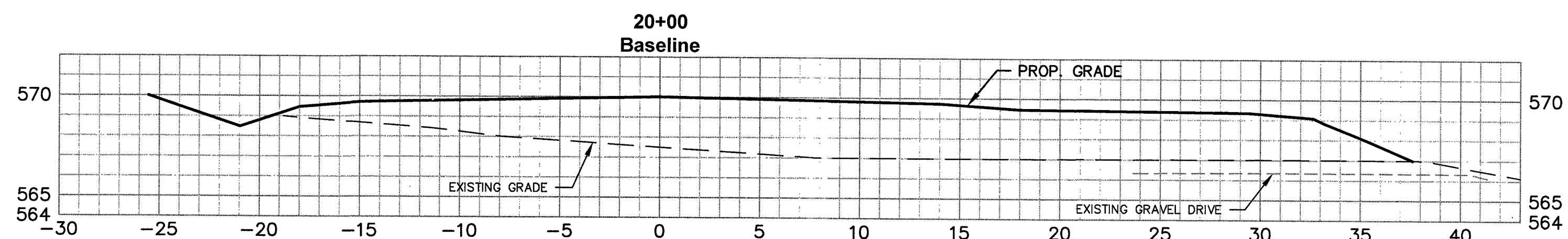
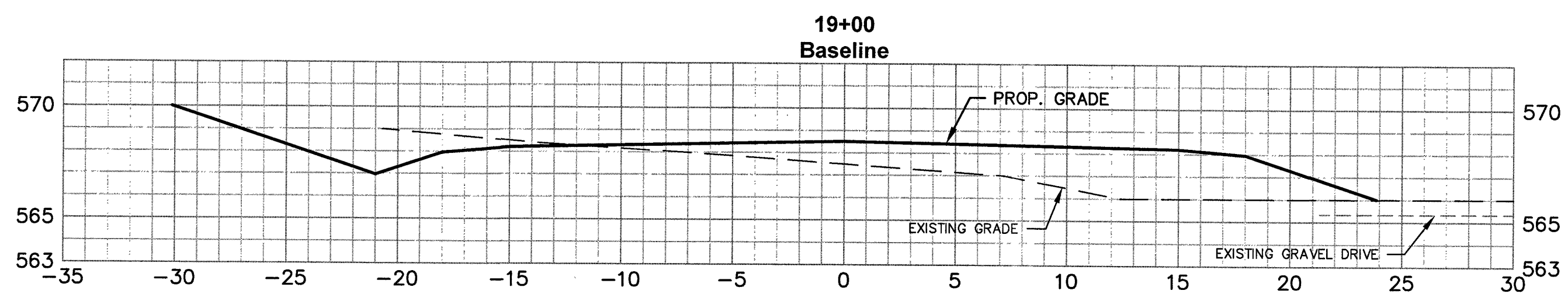
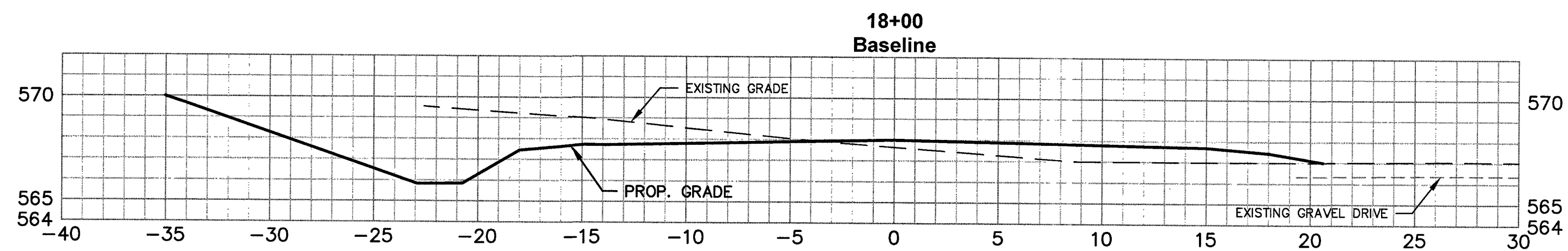
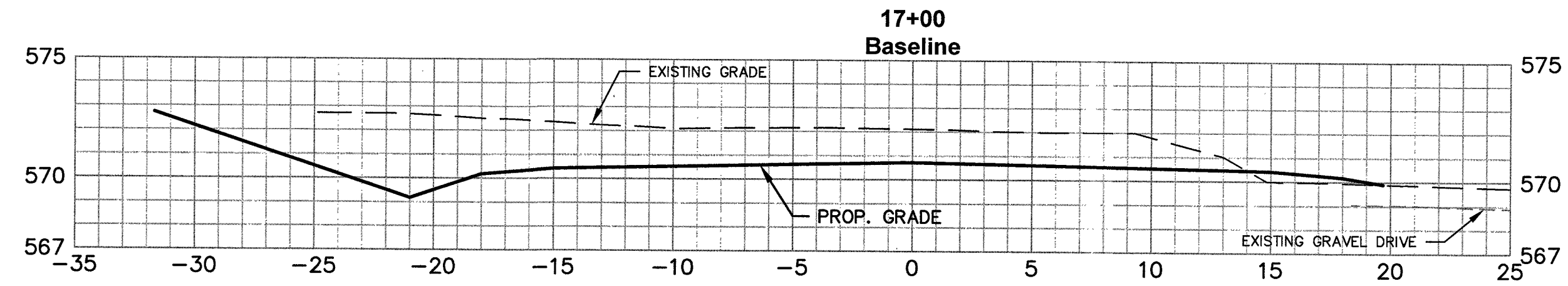
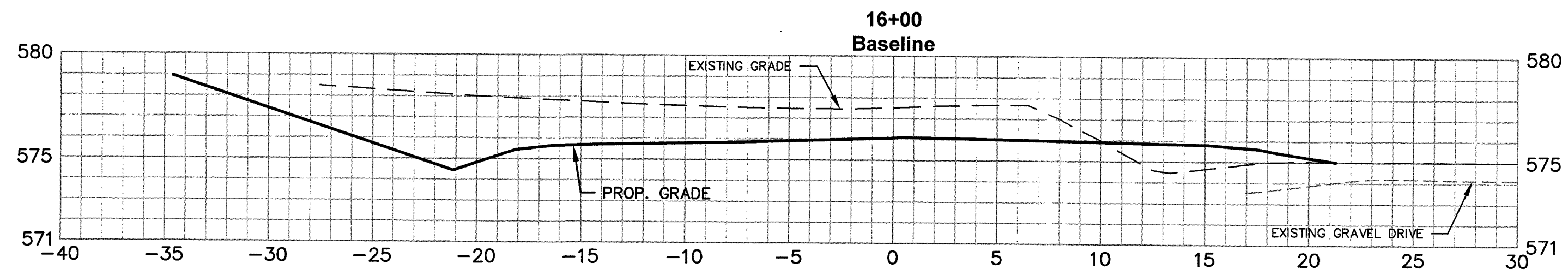
NO.	DATE	BY	DESCRIPTION



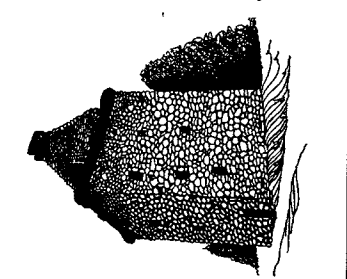
22106	SCALE	1" = 50'
JOB NO.	CHECKED BY	WMA
22106/CATAWBA BEND ENTRANCE ROAD/2024/WMA	DJC	DATE
CAD FILE PATH	05/23/2024	
PREPARED BY	APPROVED BY	
DJC	WMA	

**CATAWBA BEND
 PRESERVE PHASE 1
 ROADWAY A
 CROSS SECTIONS
 STA. 9+00 - 15+00**

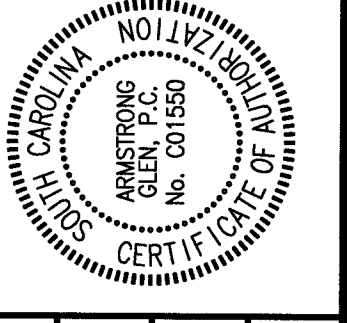
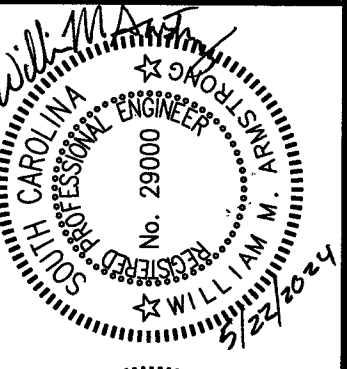
SHEET **19** OF **82**



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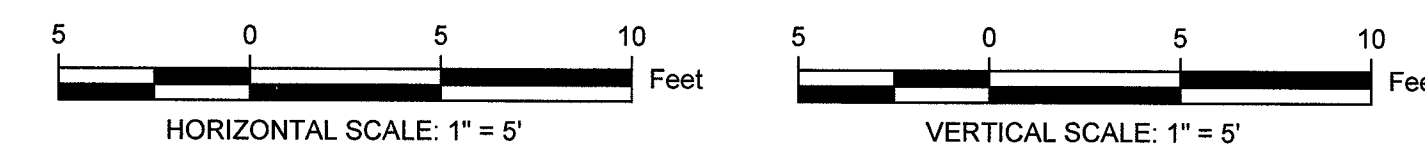
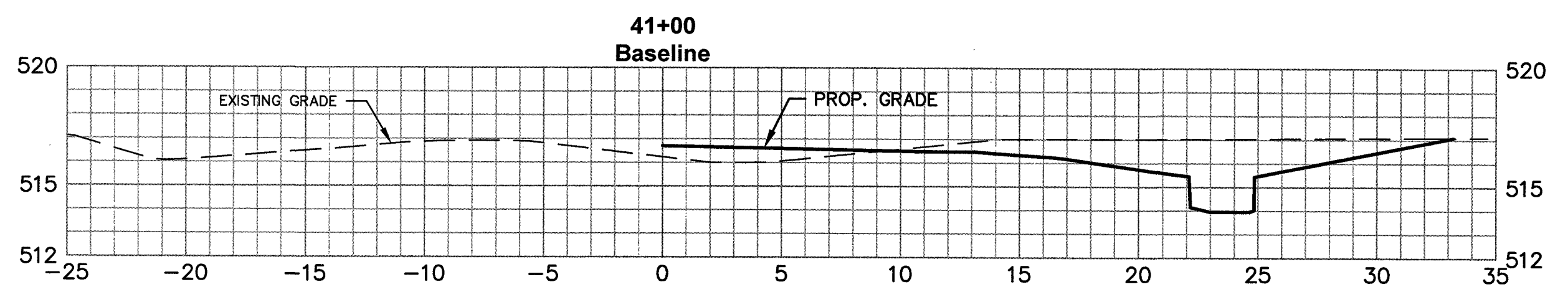
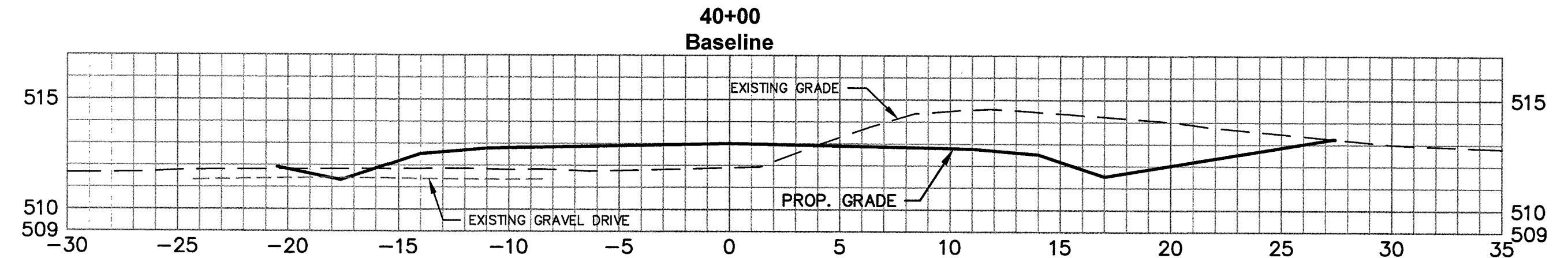
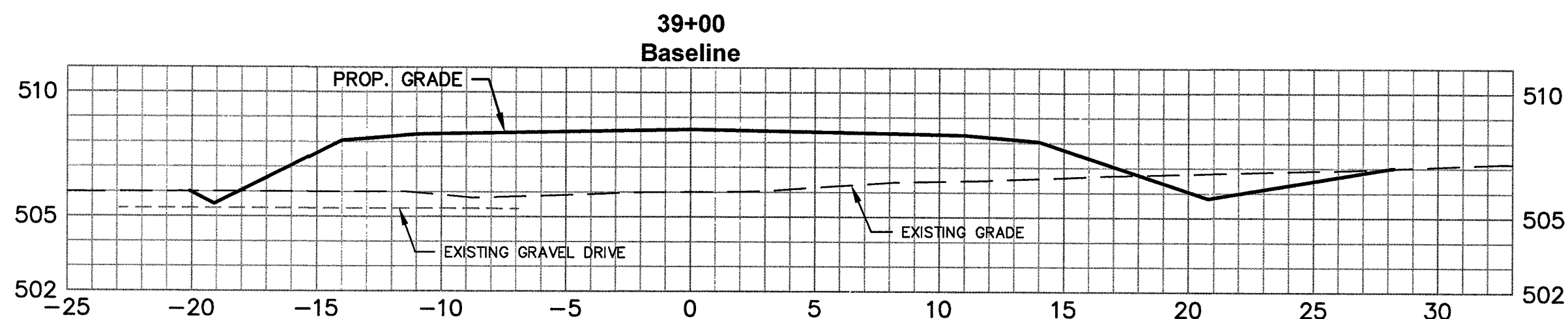
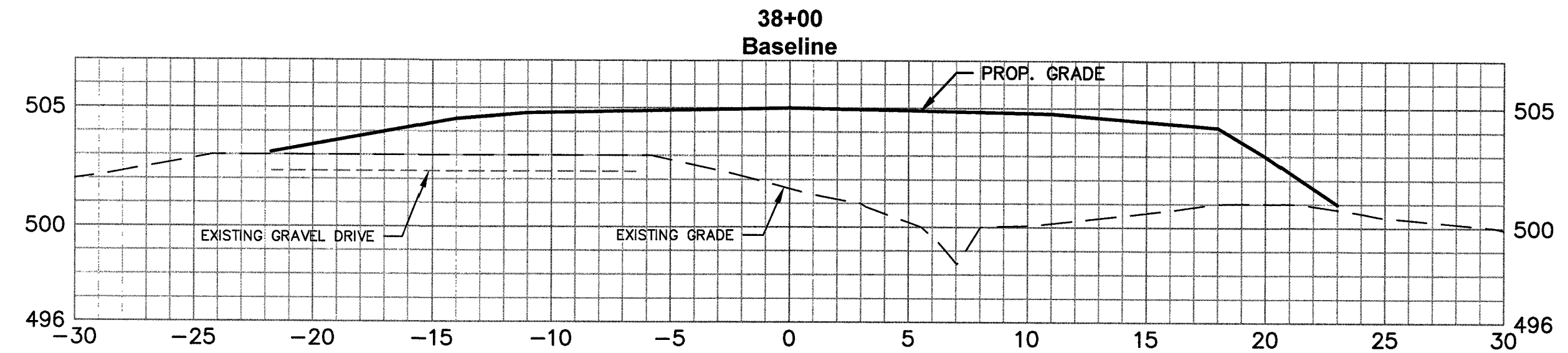
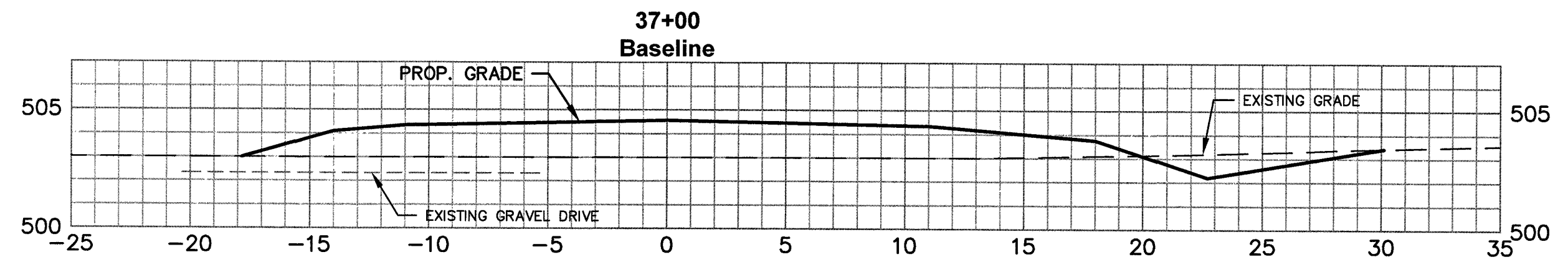
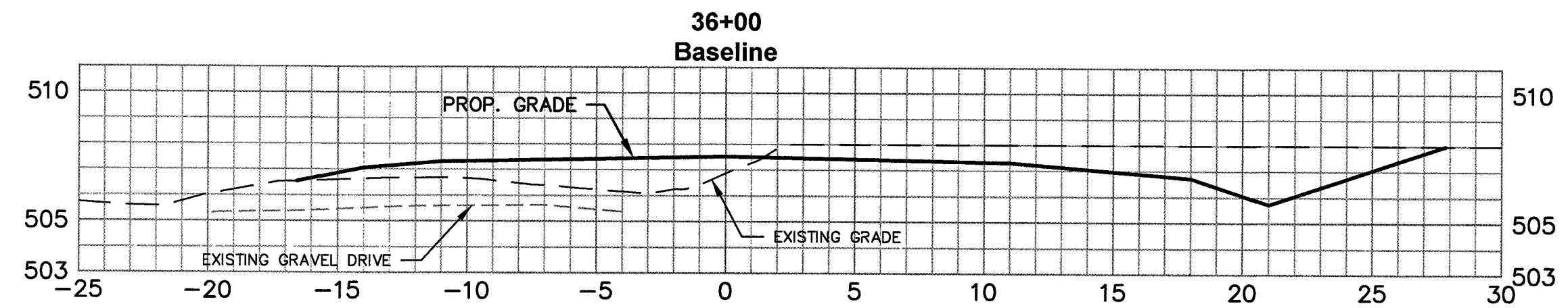
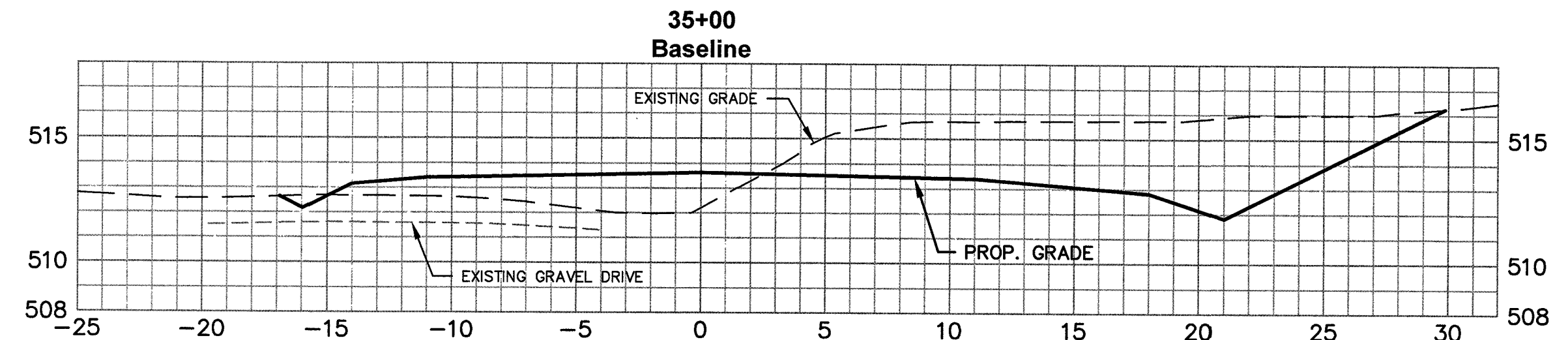
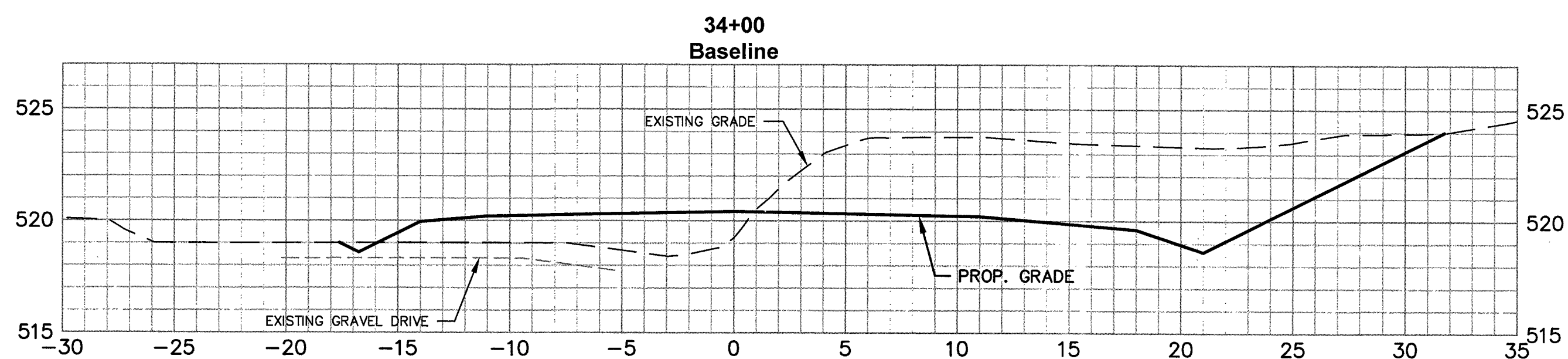
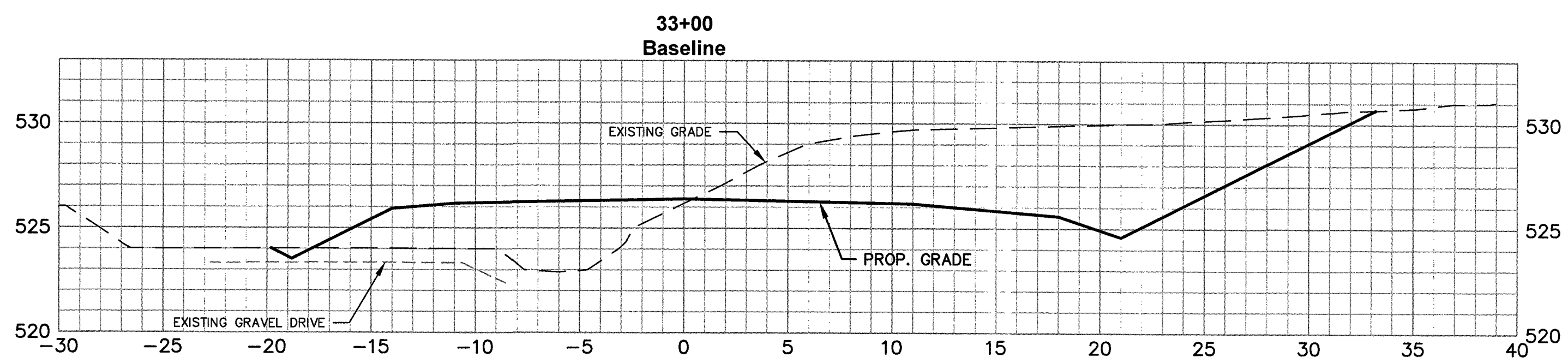
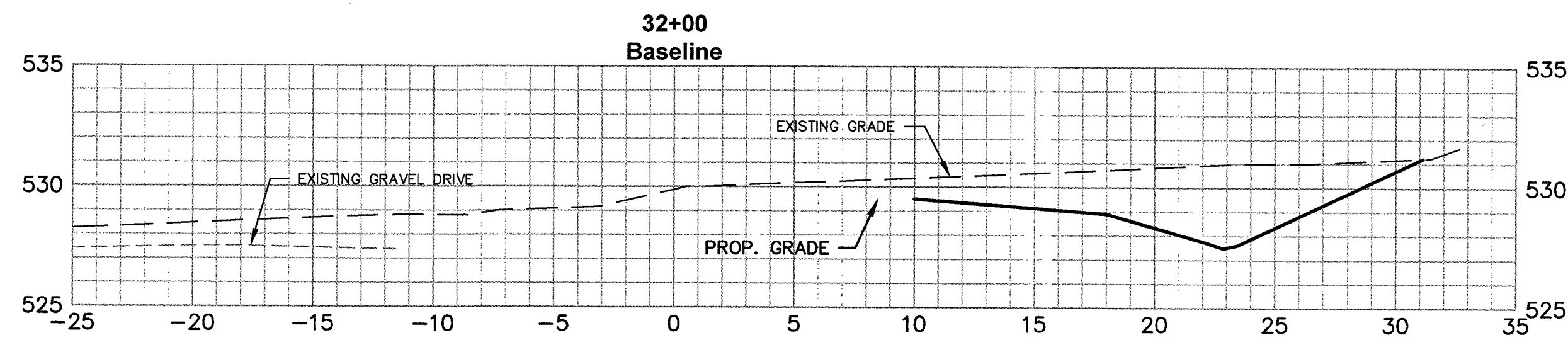
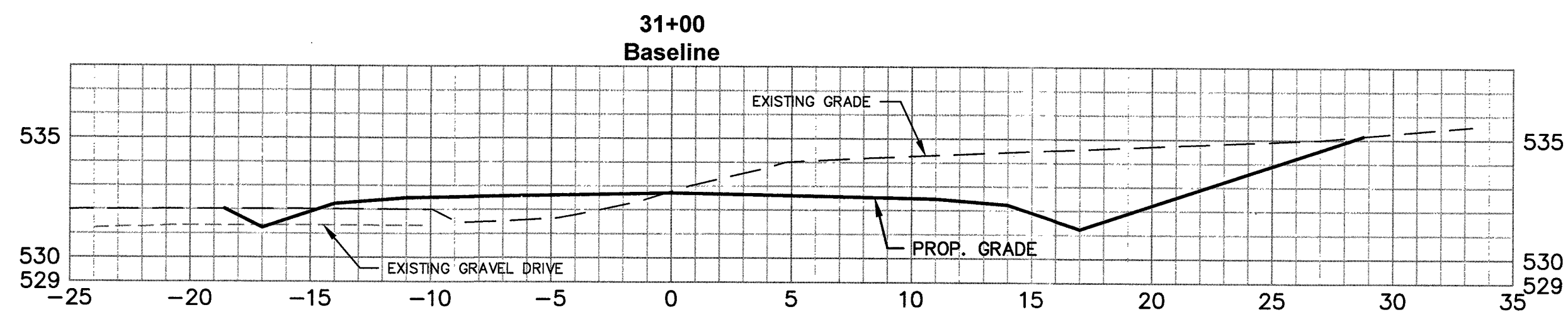
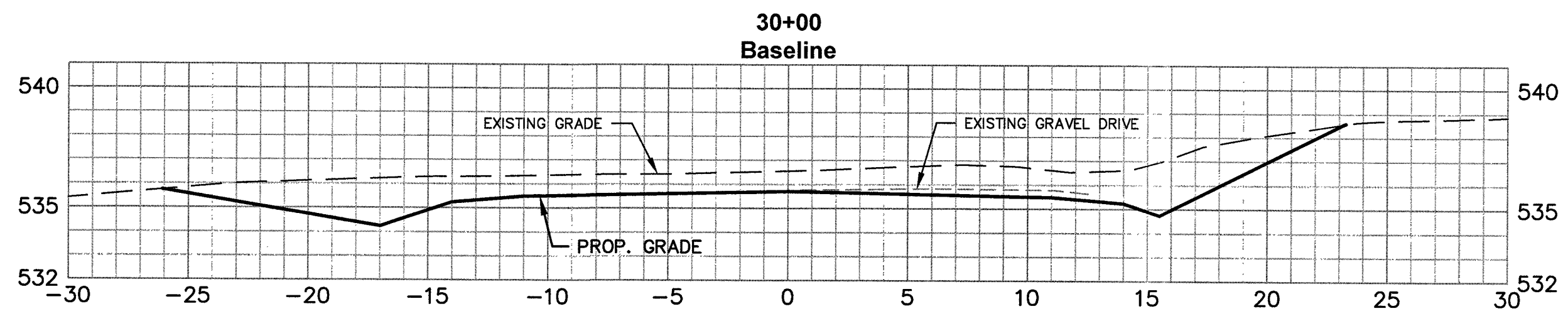
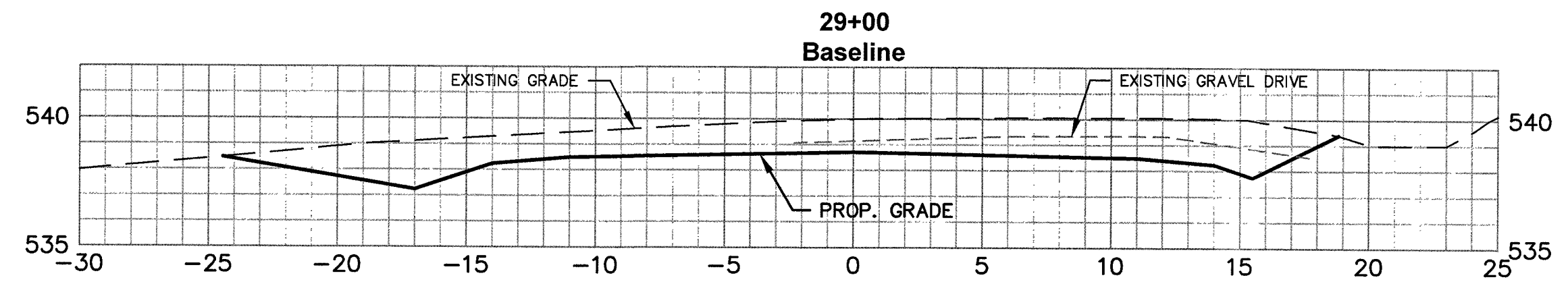


NO.	DATE	DESCRIPTION

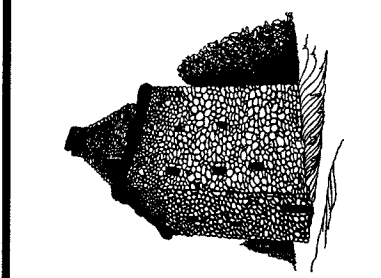


22106	22106	22106
JOB NO.	JOB NO.	JOB NO.
22106/CATAWBA BEND ENTRANCE ROAD/ASB/WMA	22106/CATAWBA BEND ENTRANCE ROAD/ASB/WMA	22106/CATAWBA BEND ENTRANCE ROAD/ASB/WMA
CAD FILE PATH	CAD FILE PATH	CAD FILE PATH
D/C	D/C	D/C
05/23/2024	05/23/2024	05/23/2024
DATE	DATE	DATE
WMA	WMA	WMA
APPROVED BY	APPROVED BY	APPROVED BY

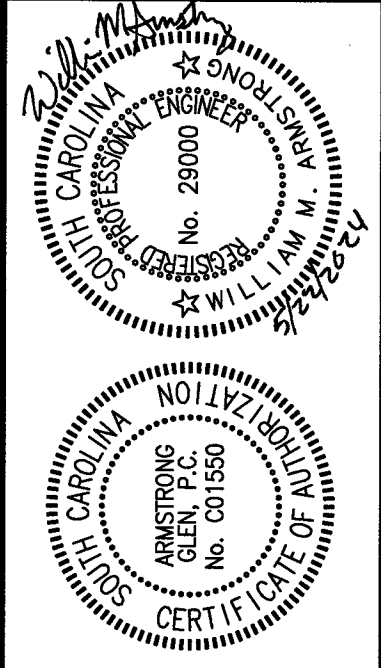
CATAWBA BEND PRESERVE PHASE 1
ROADWAY A
CROSS SECTIONS
STA. 16+00 - 28+00



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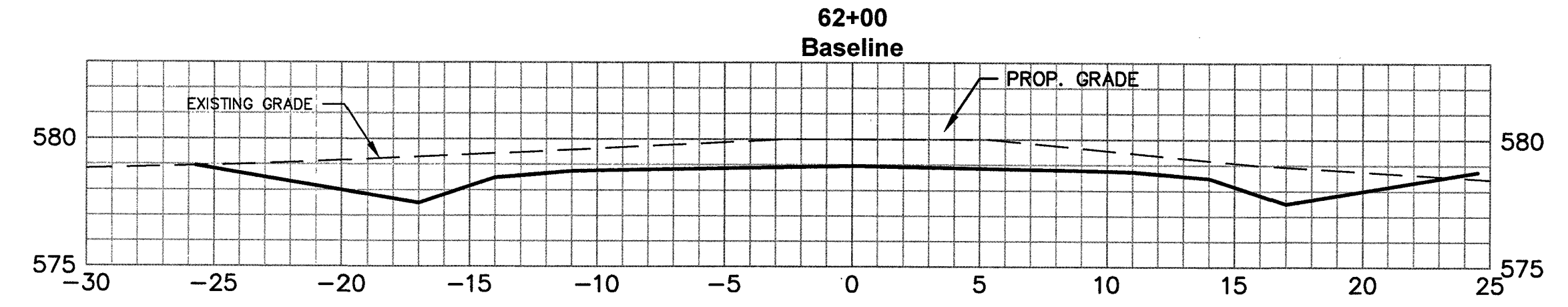
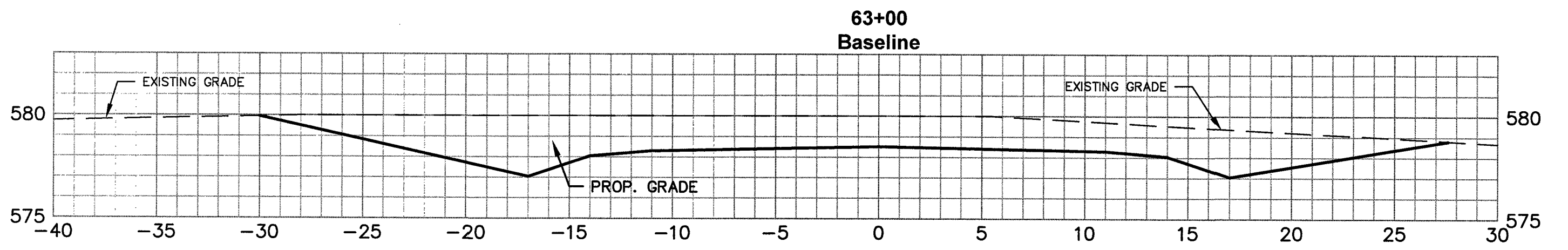
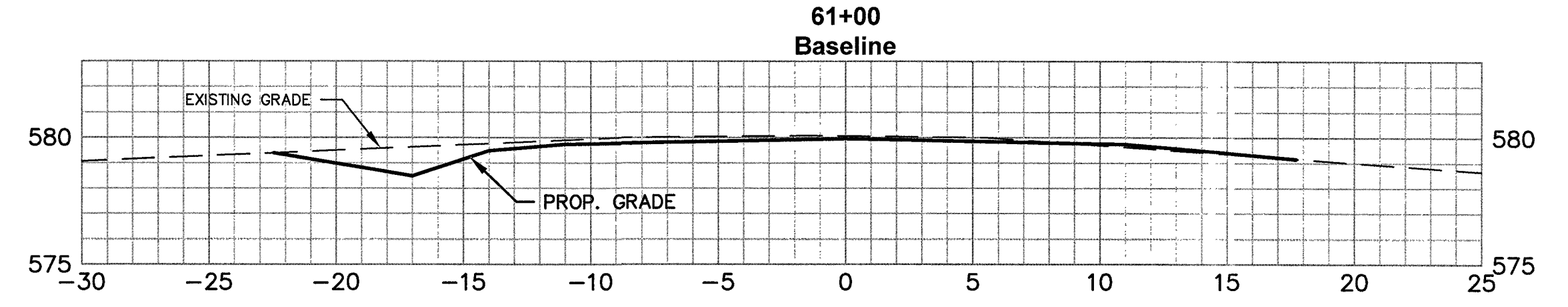
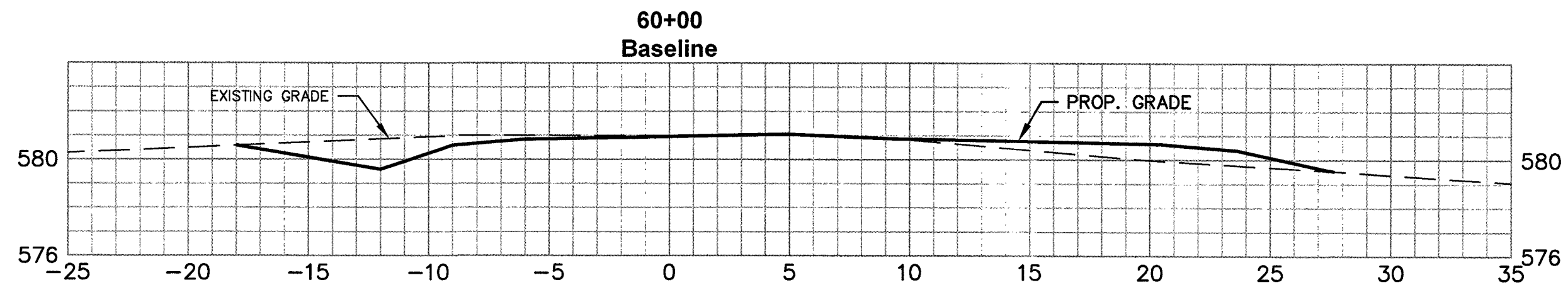
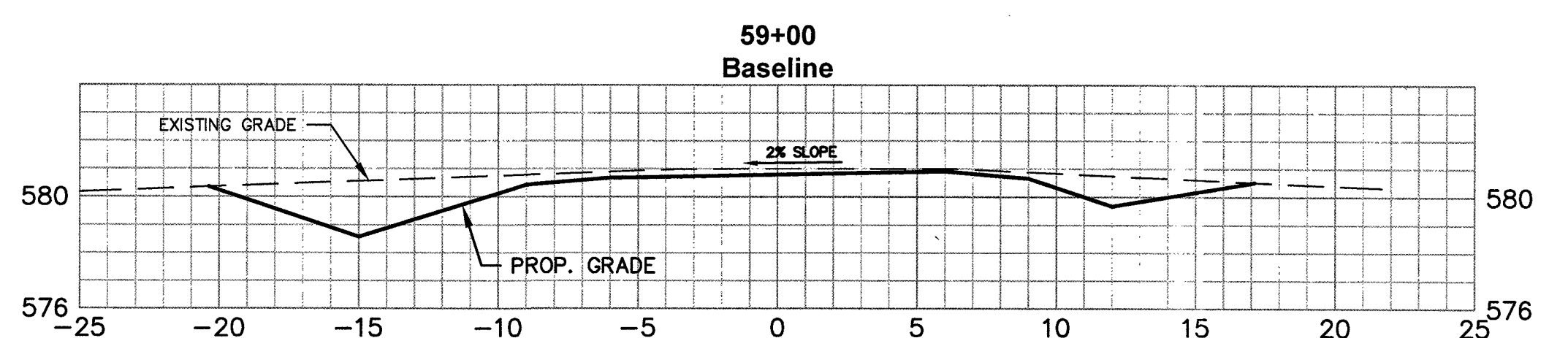
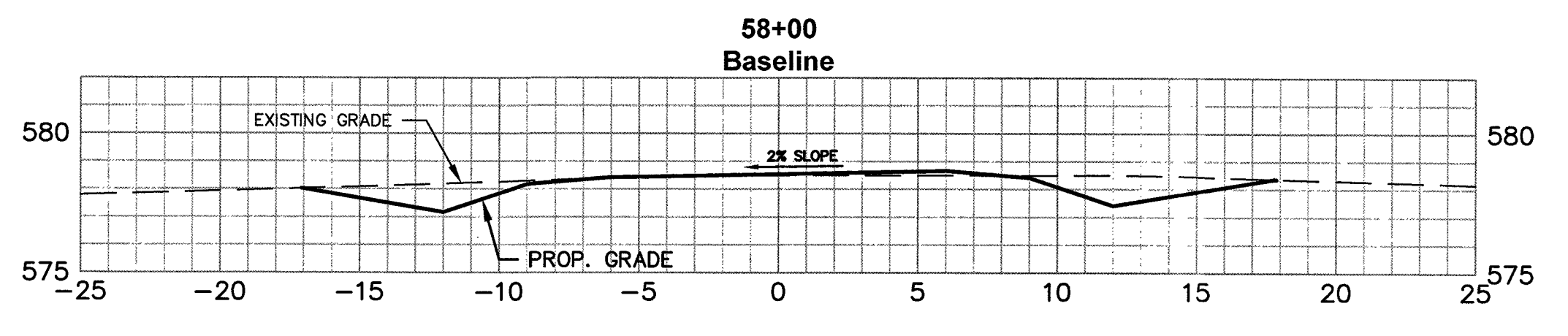
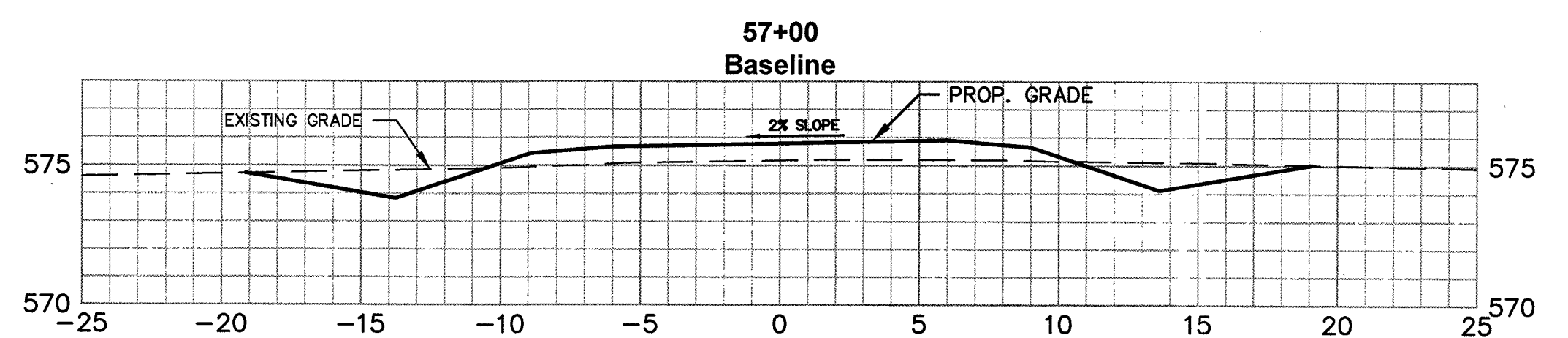
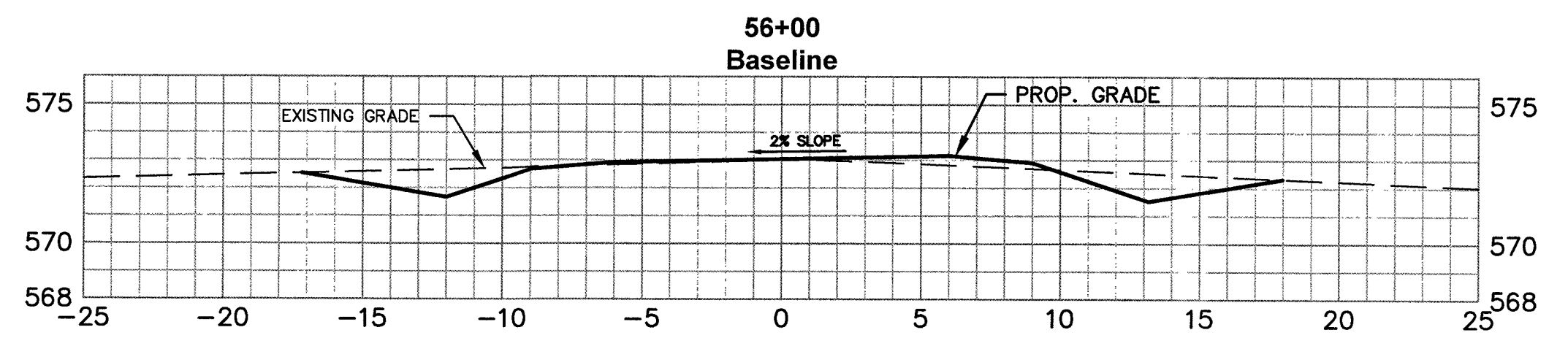
NO.	DATE	DESCRIPTION



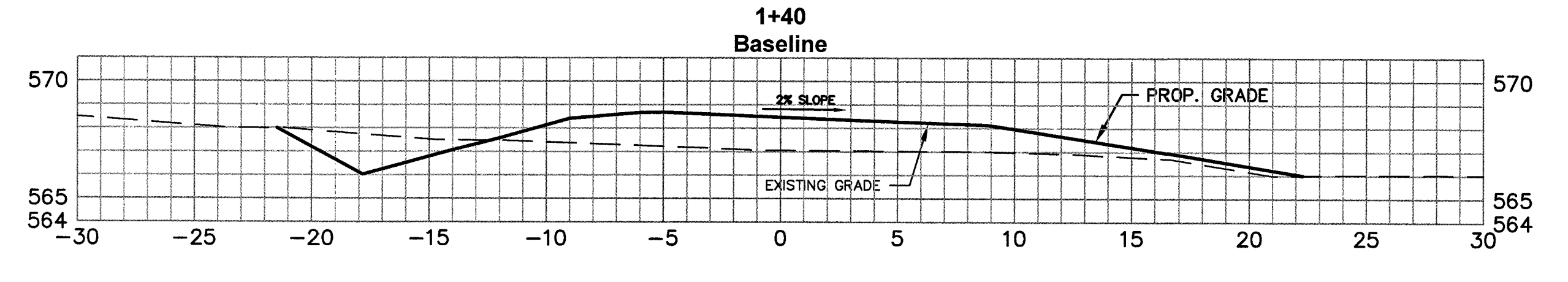
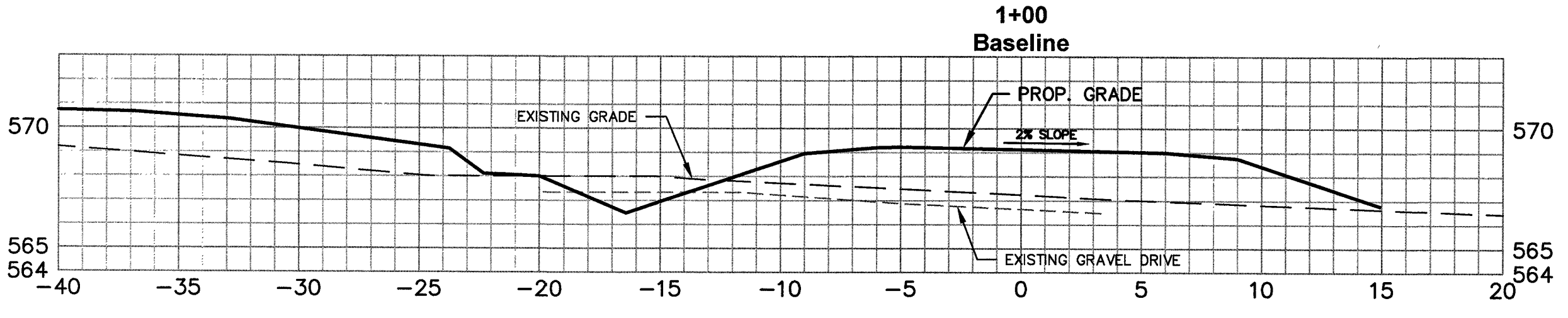
22106	2/19/2024	2/19/2024
22106	2/19/2024	2/19/2024
22106	2/19/2024	2/19/2024

CATAWBA BEND
PRESERVE PHASE 1
ROADWAY A
CROSS SECTIONS
STA. 29+00 - 41+00

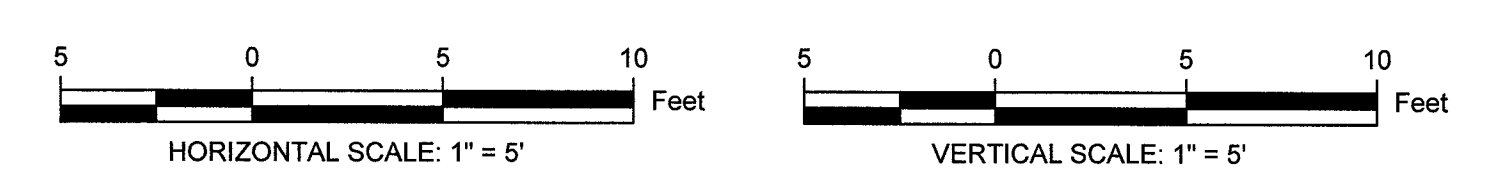
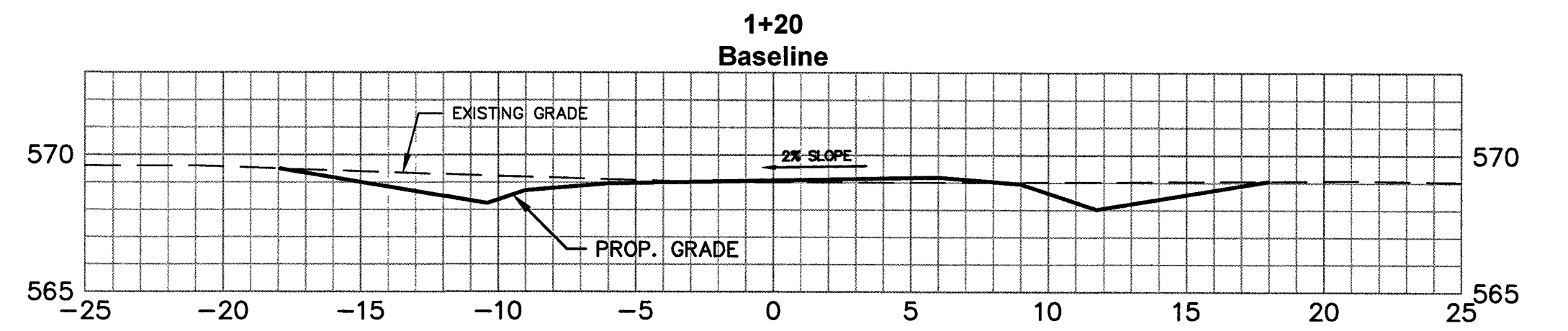
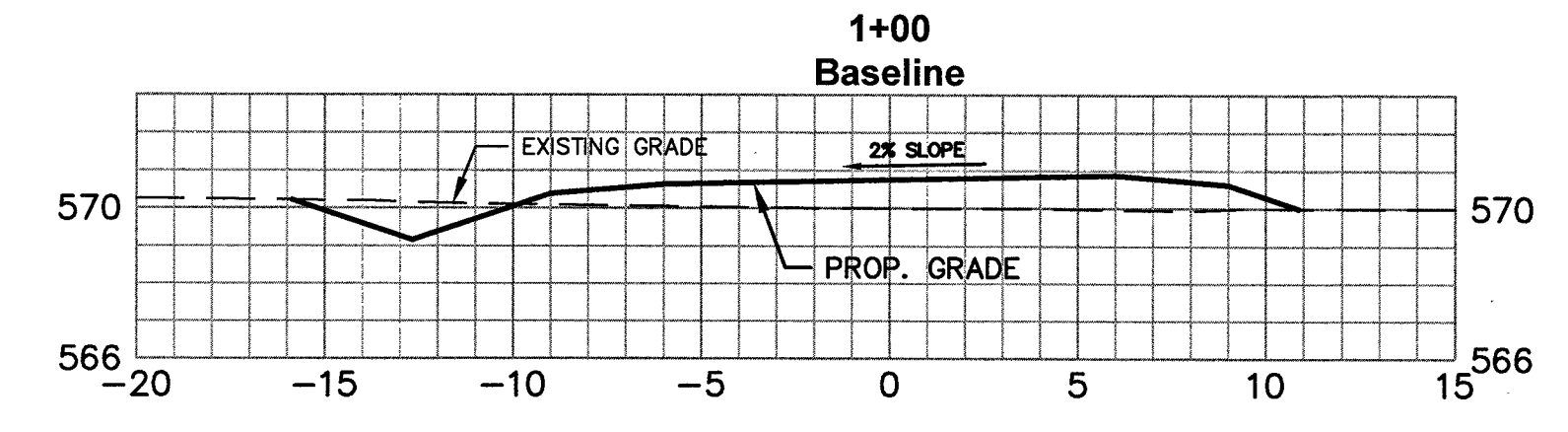
SHEET **21** OF **82**



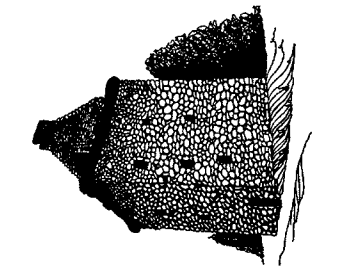
ROADWAY B



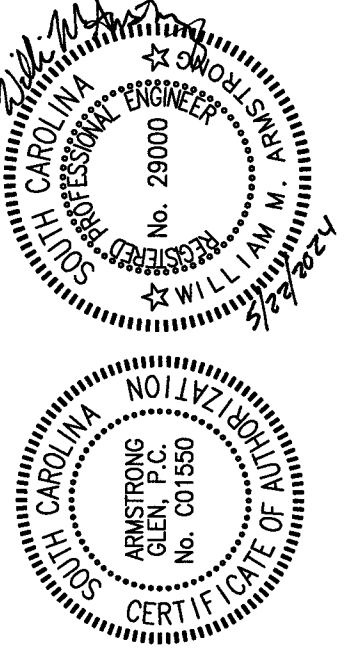
ROADWAY C



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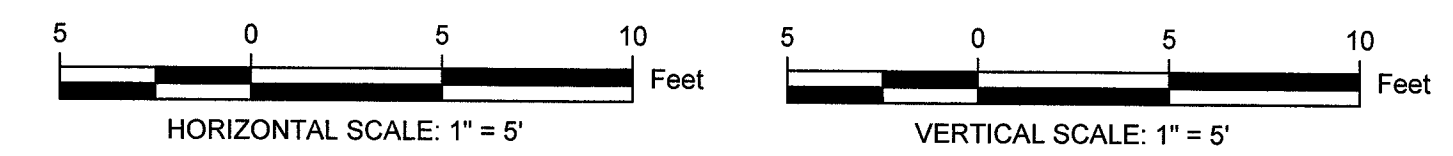
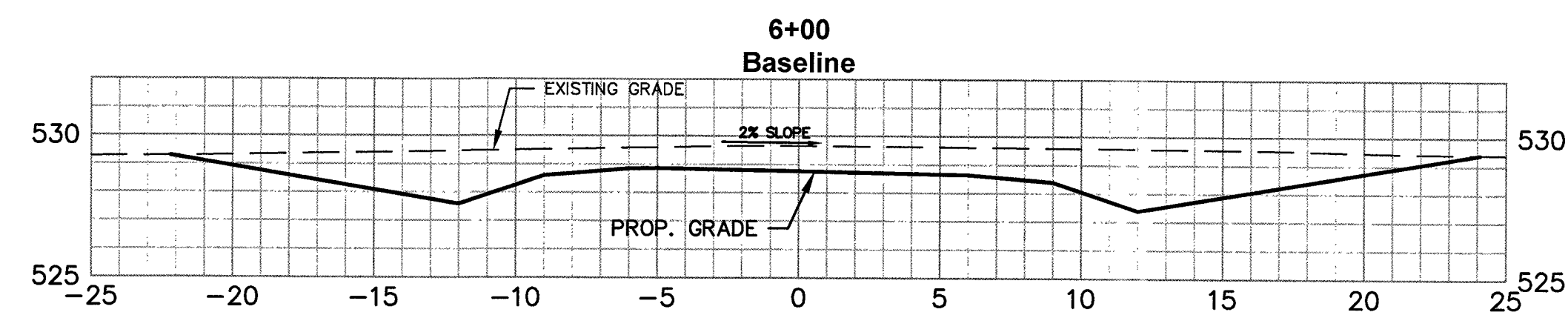
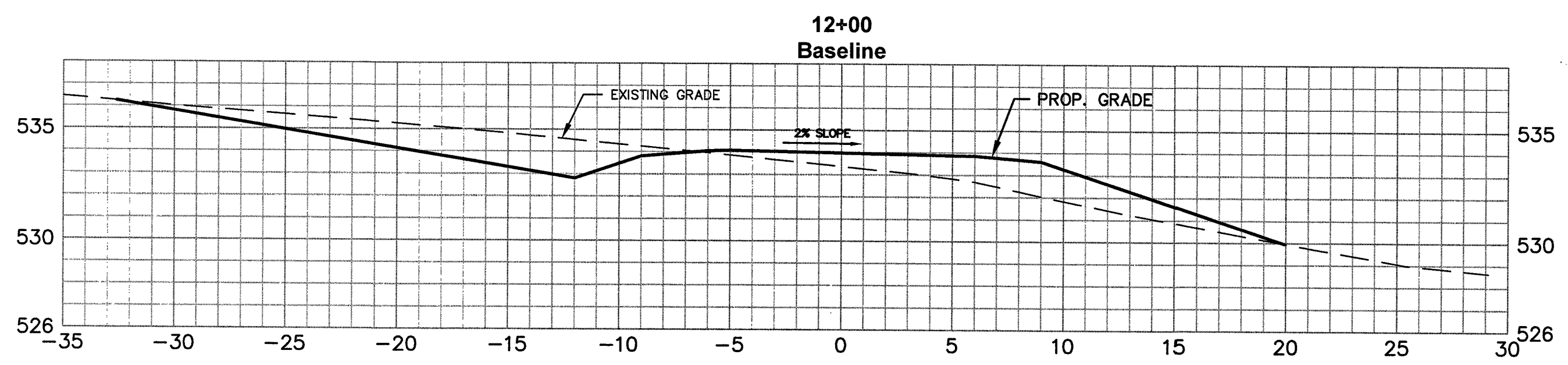
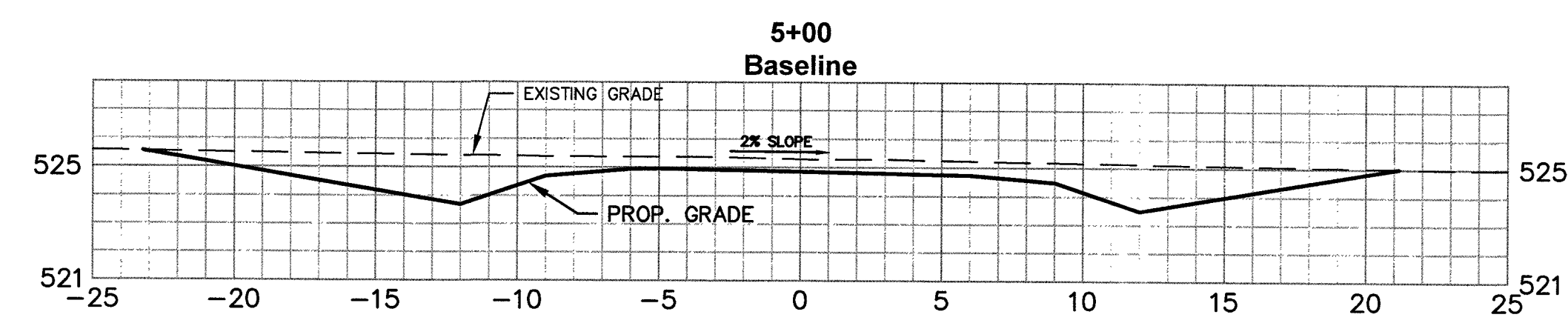
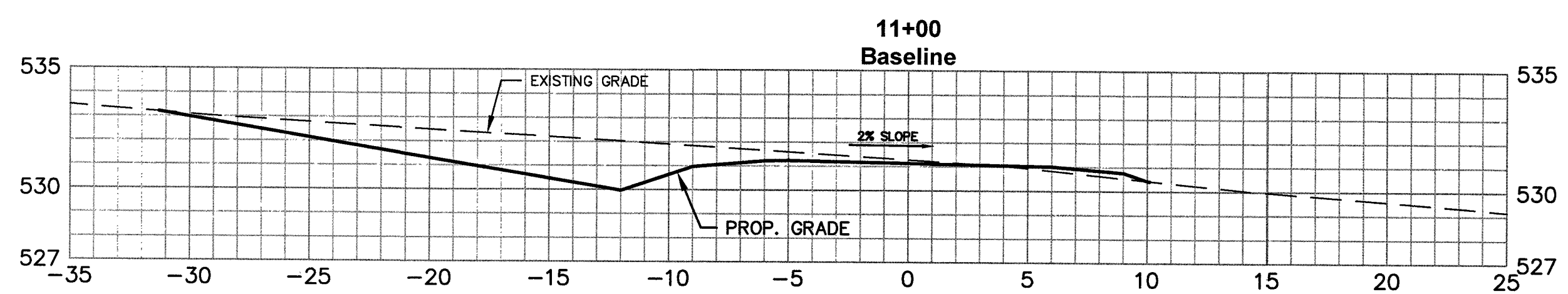
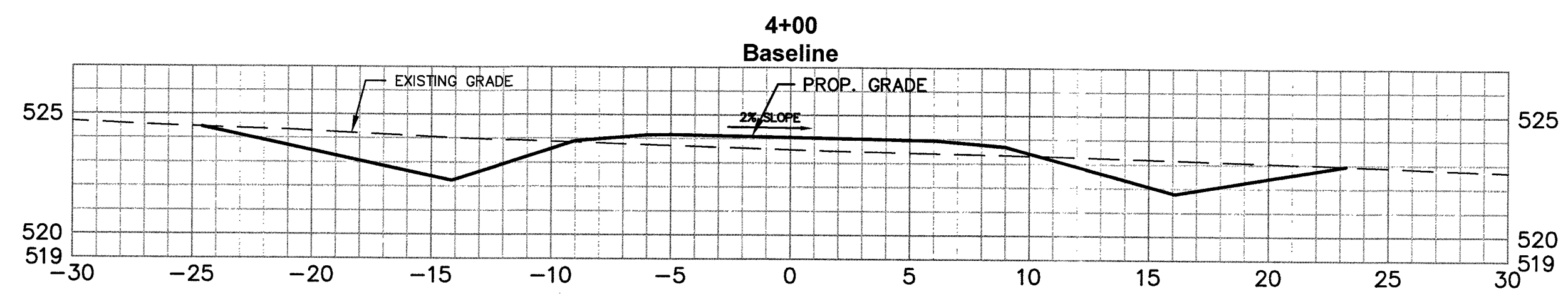
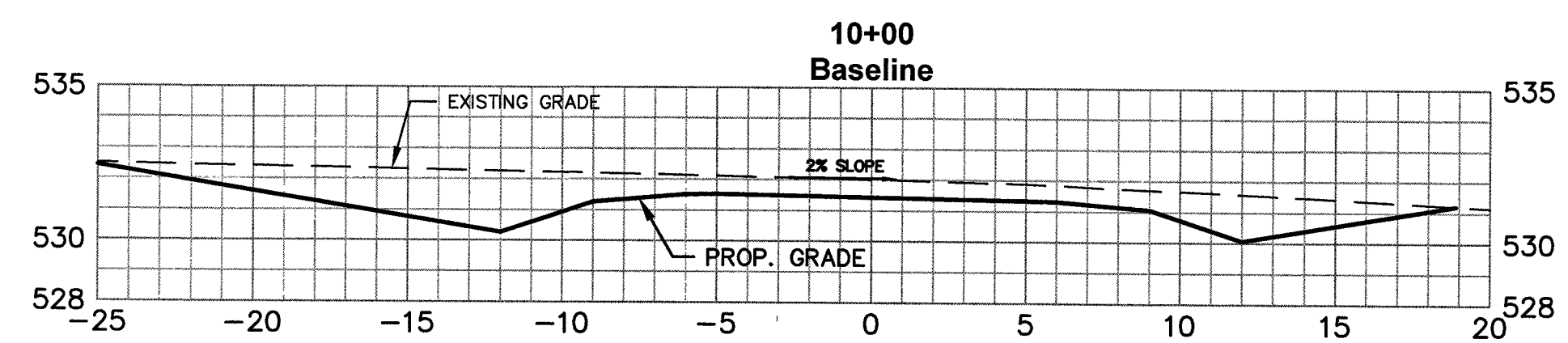
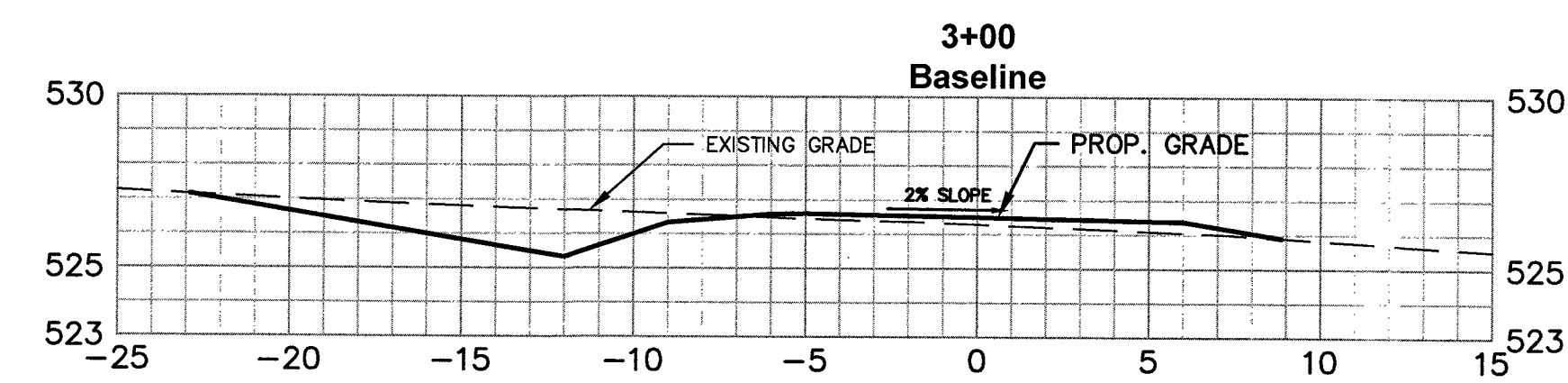
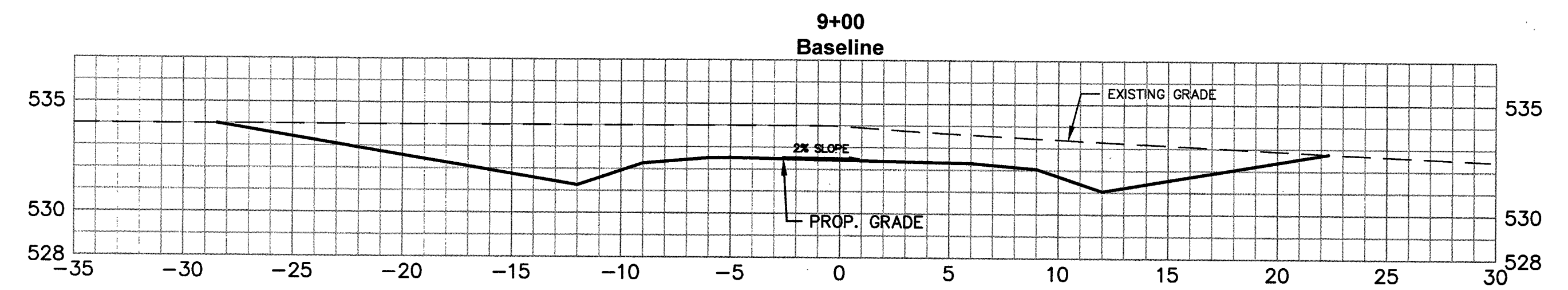
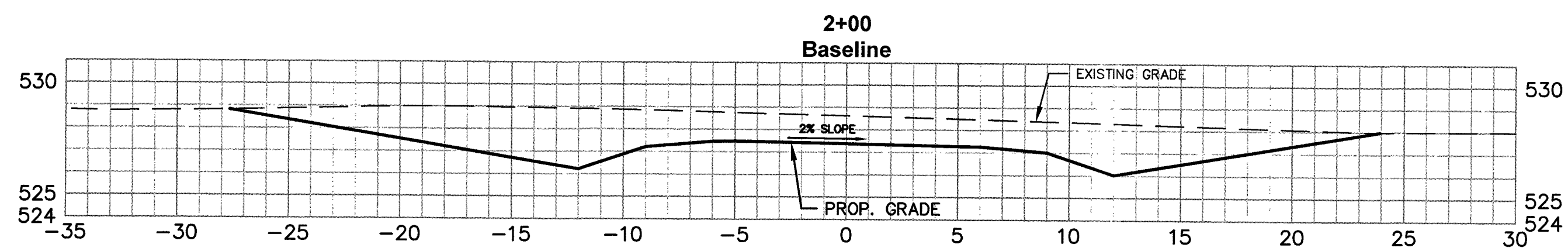
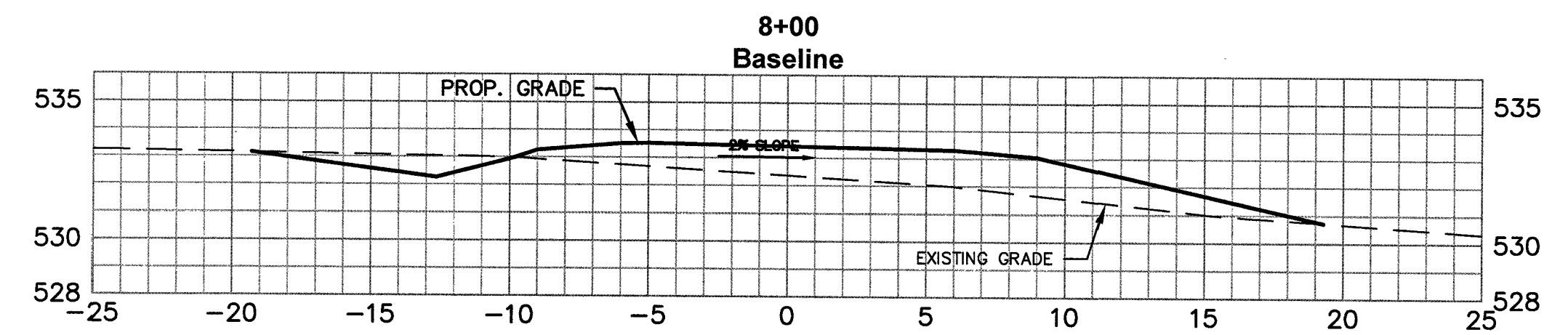
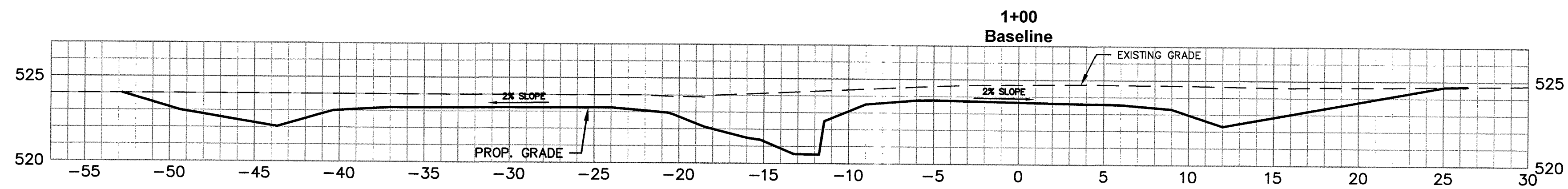
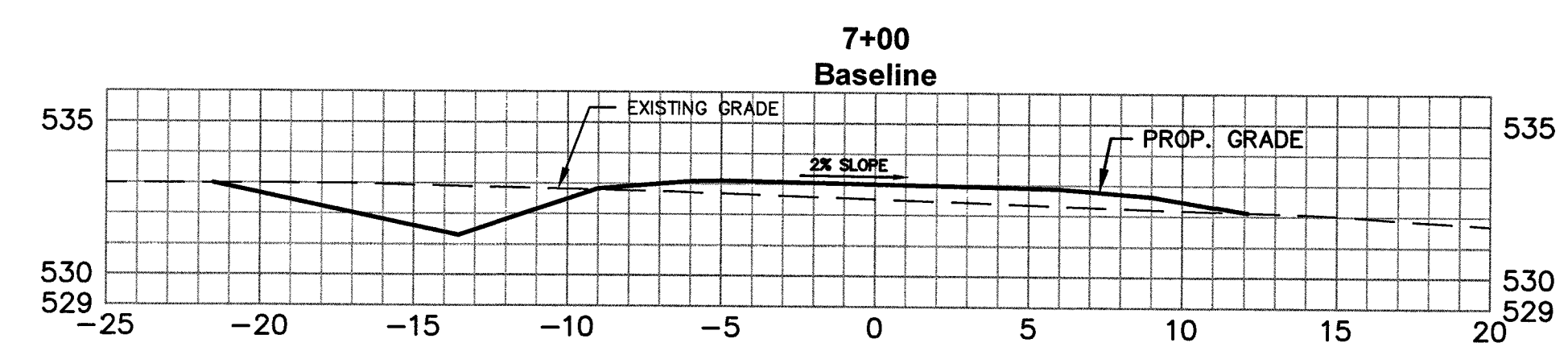
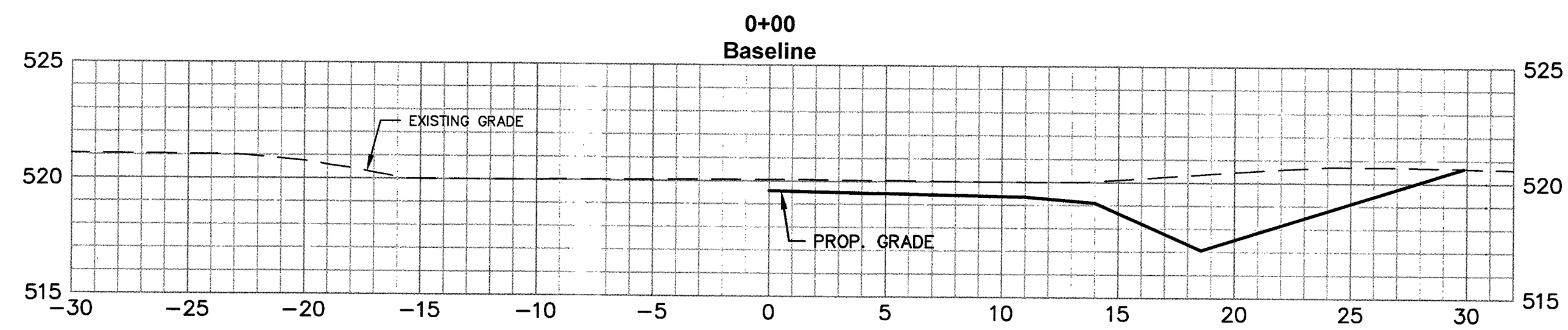


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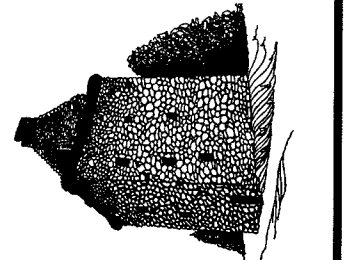


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JOB NO.	CAD FILE PATH	DATE	DATE
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DIC	WMA		
PREPARED BY	APPROVED BY		

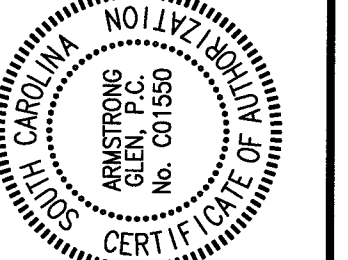
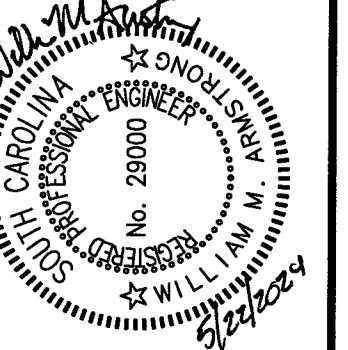
**CATAWBA BEND
 PRESERVE PHASE 1**
 ROADWAY A, B & C
 CROSS SECTIONS
 STA. 56+00 - 62+00,
 0+00 - 1+90, 0+00 - 1+20



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 Charlotte, NC 28241-9445
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NO.	DATE	BY	DESCRIPTION

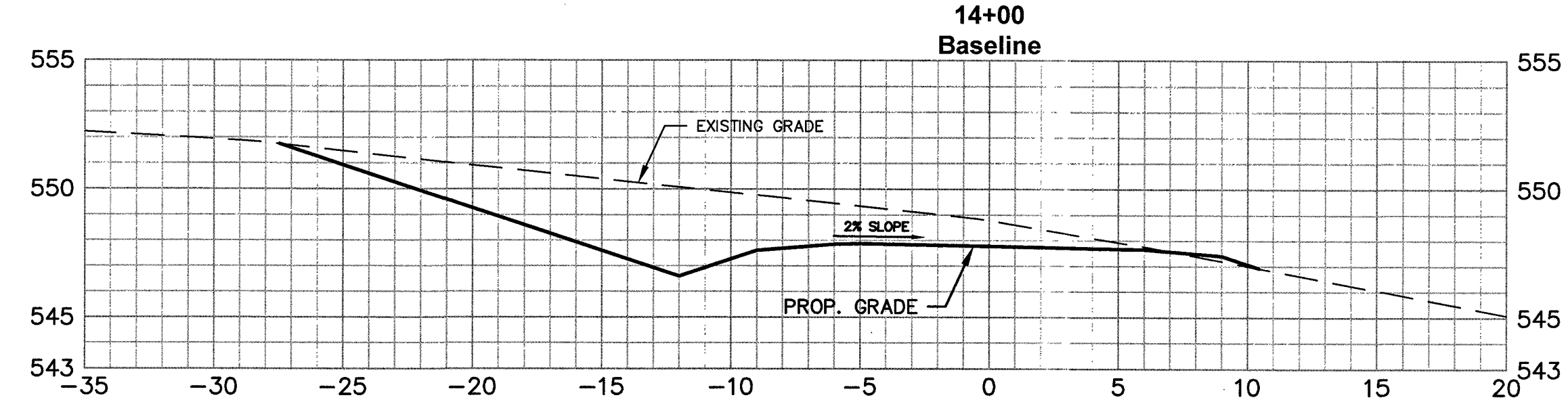
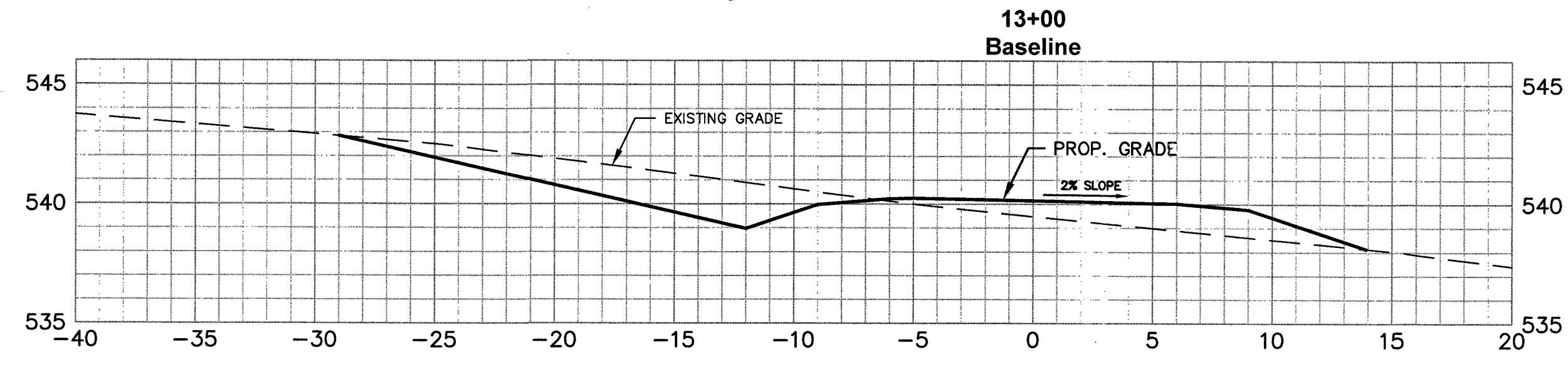


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1"=50'	05/23/2024		
SCALE	DATE		
CHECKED BY	DATE		

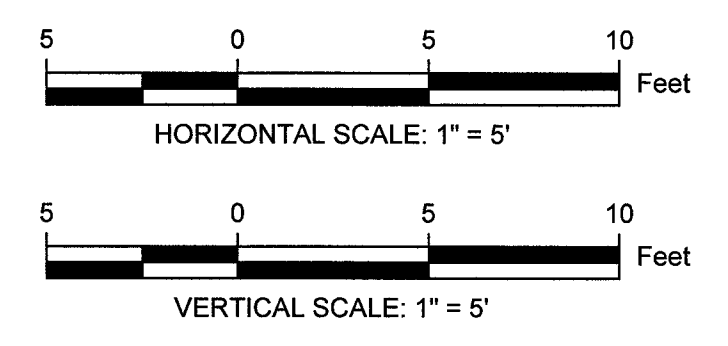
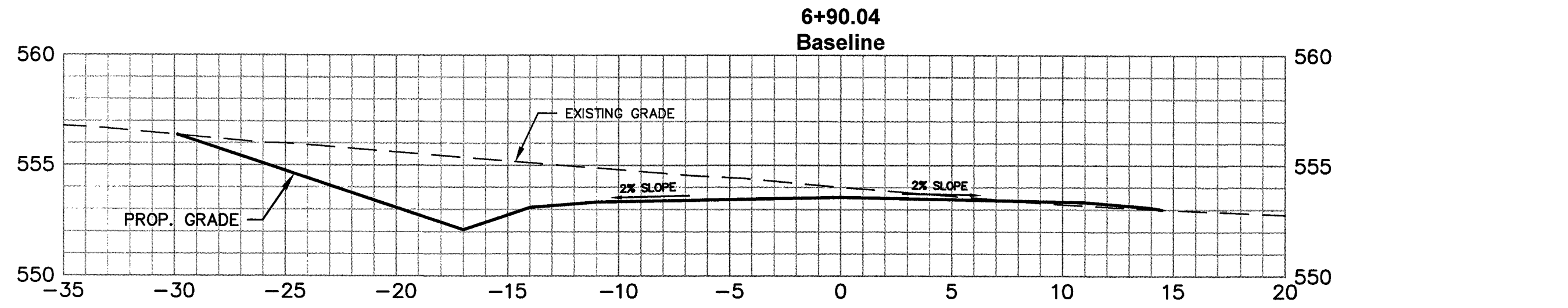
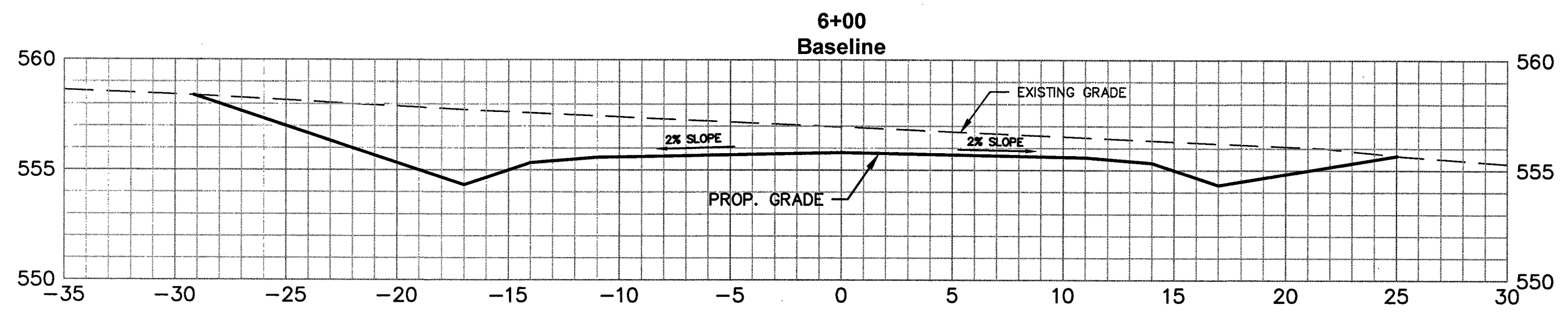
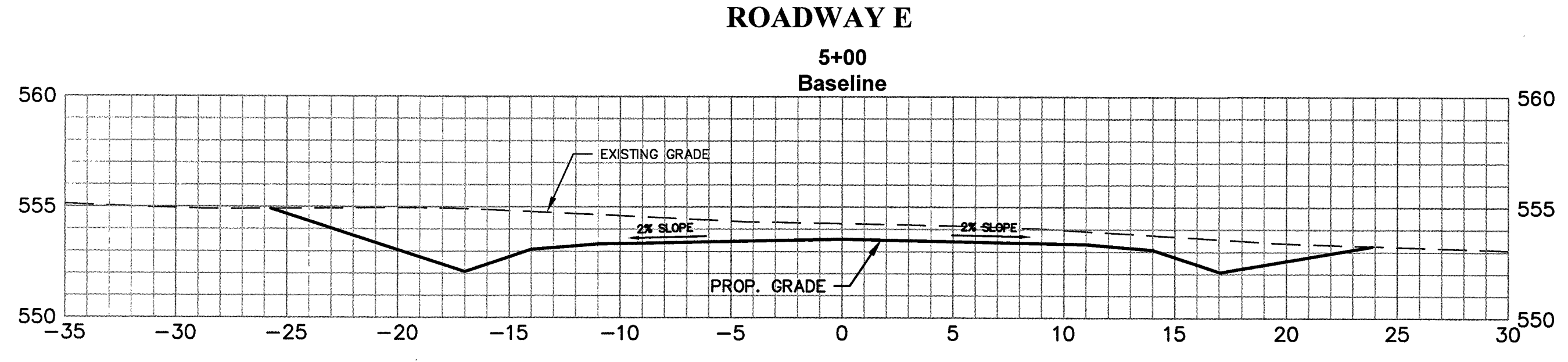
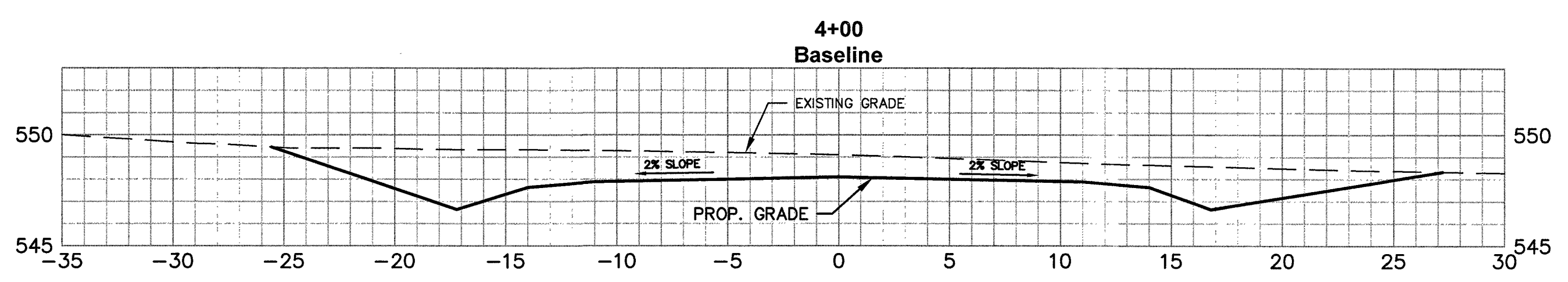
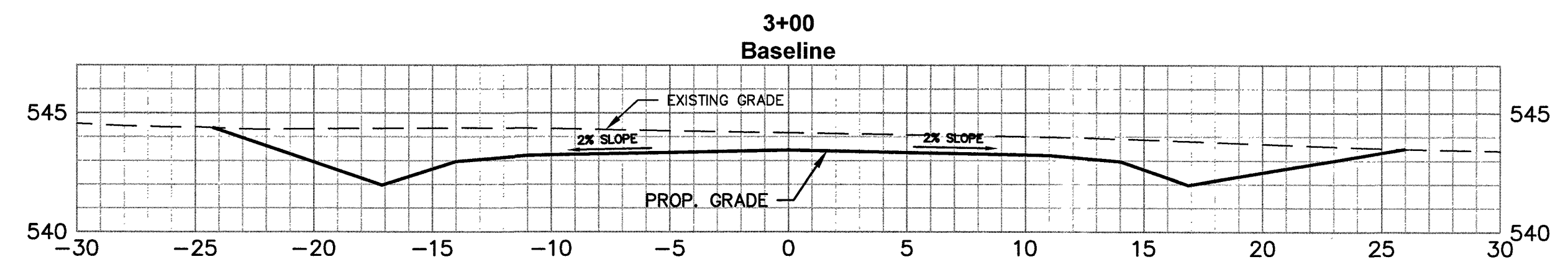
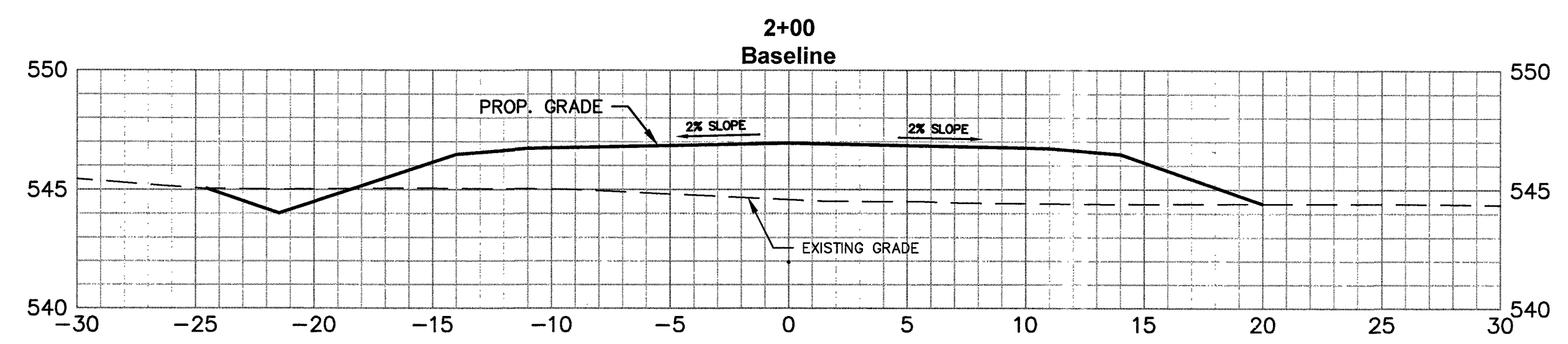
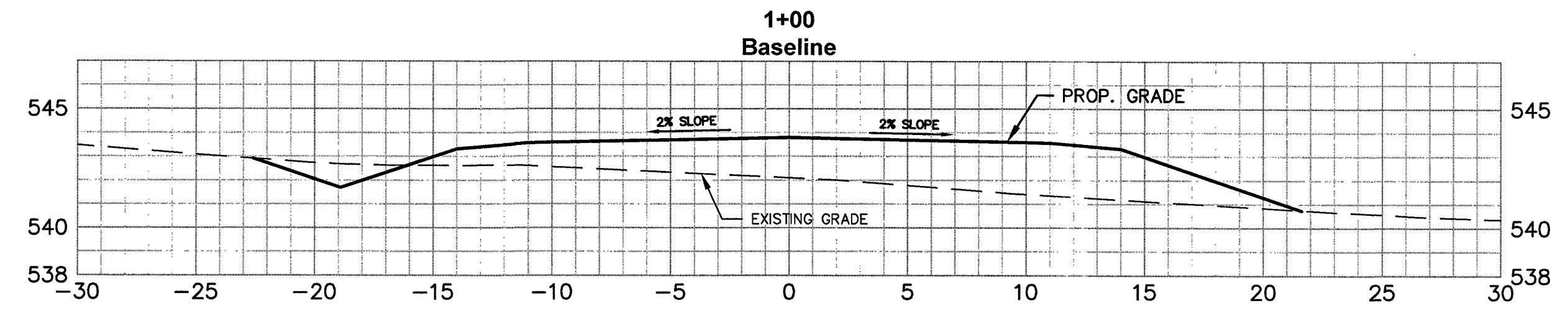
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CATAWBA BEND PRESERVE PHASE 1

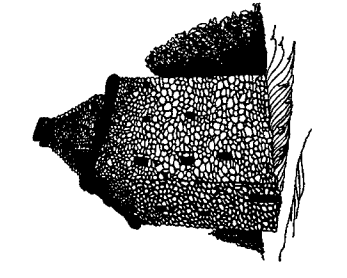
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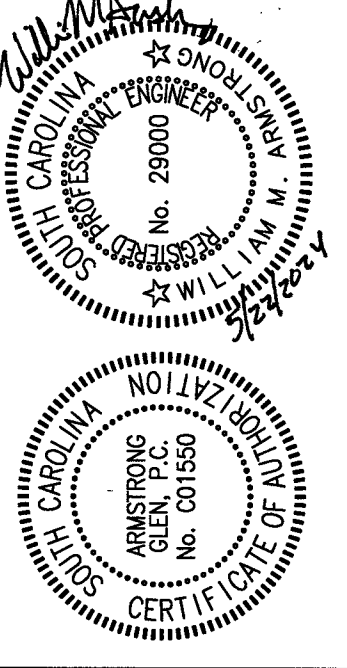
ROADWAY E



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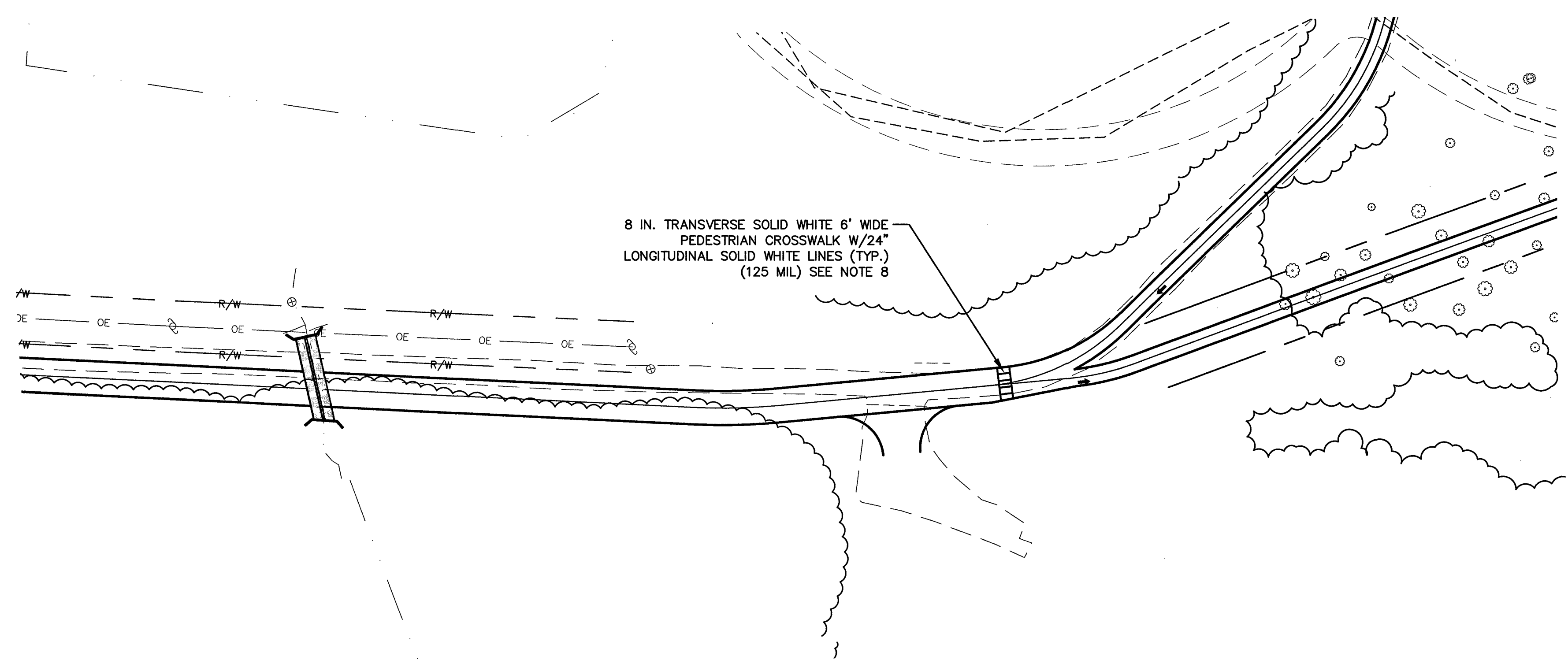
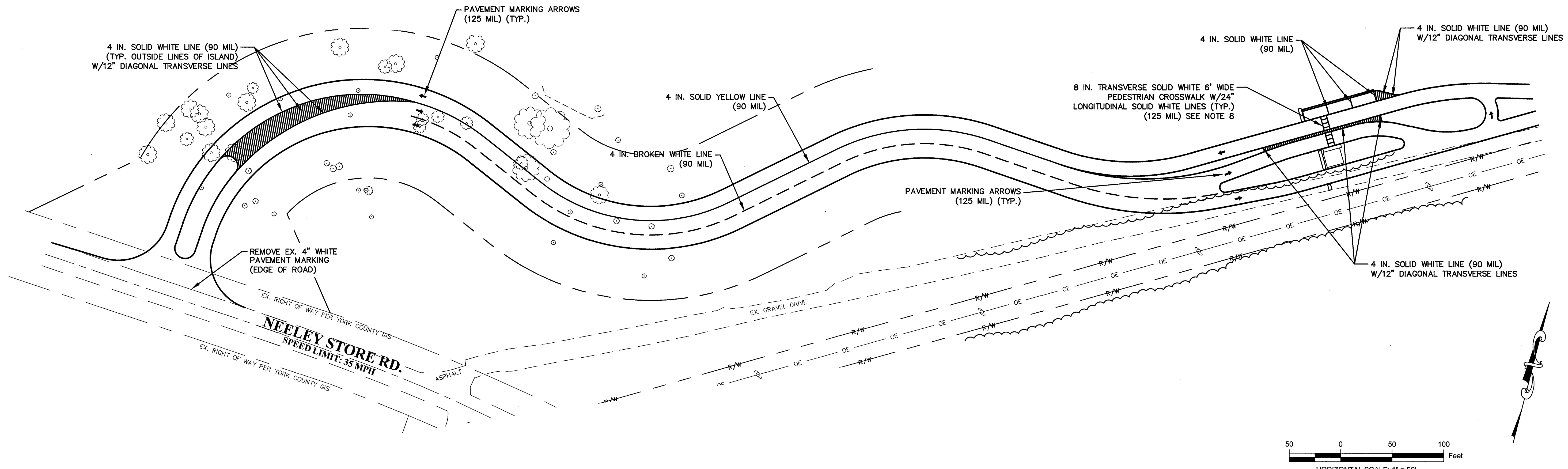


NO.	DATE	BY	DESCRIPTION



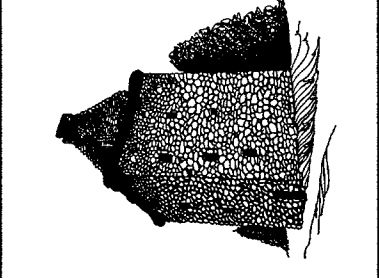
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22106	CHECKED BY	WMA
22106	DATE	05/23/2024
22106	PREPARED BY	DJC
22106	APPROVED BY	WMA

CATAWBA BEND PRESERVE PHASE 1
 ROADWAY D & E
 CROSS SECTIONS
 STA. 13+00 - 14+00,
 STA. 1+00 - 6+90.04

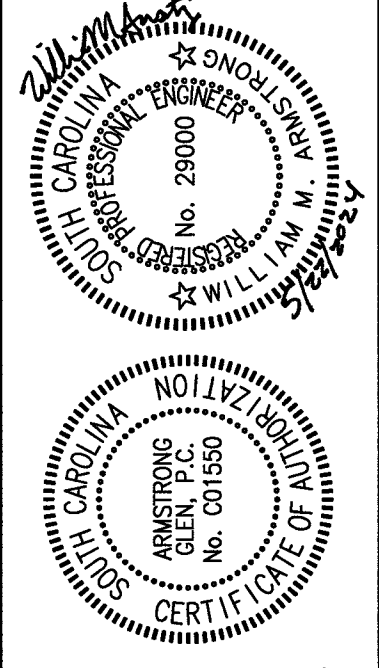


- NOTES:**
1. ALL PAVEMENT MARKING PER SCDOT REQUIREMENTS.
 2. ALL PAVEMENT MARKING TO BE THERMOPLASTIC.
 3. DO NOT PLACE LONGITUDINAL PAVEMENT MARKING LINES ON THE ROADWAY JOINTS.
 4. ALL MARKINGS TO BE 2' FROM CONSTRUCTION JOINT.
 5. ALL MARKINGS TO BE A MIN OF 6' WIDE. CROSSWALK TRANSVERSE LINES TO PARALLEL TO TRAFFIC FLOW.
 6. PEDESTRIAN CROSSWALKS TO BE A MIN OF 6' WIDE. CROSSWALK TRANSVERSE LINES TO PARALLEL TO TRAFFIC FLOW.
 7. PEDESTRIAN CROSSWALKS TO BE A MIN OF 6' WIDE. CROSSWALK TRANSVERSE LINES TO PARALLEL TO TRAFFIC FLOW.
 8. INSTALLATION OF STOPLINES AND CROSSWALKS SHALL FOLLOW SCDOT STANDARD DRAWINGS SECTION 625-305-00.

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NO.	DATE	DESCRIPTION

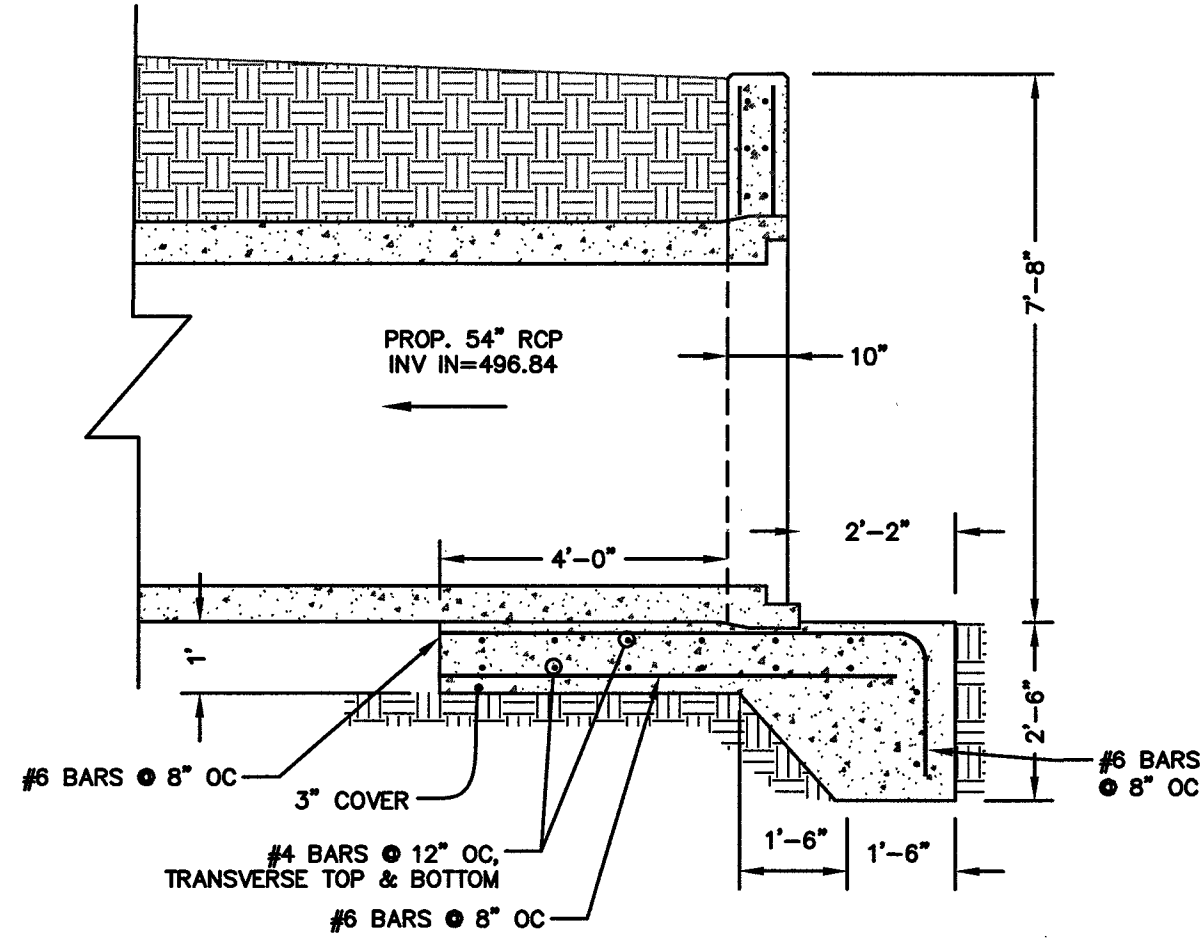


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JOB NO.	22106/CATAWBA BEND ENTRANCE ROAD/ADD/WMA	CHECKED BY
	CAD FILE PATH	DATE

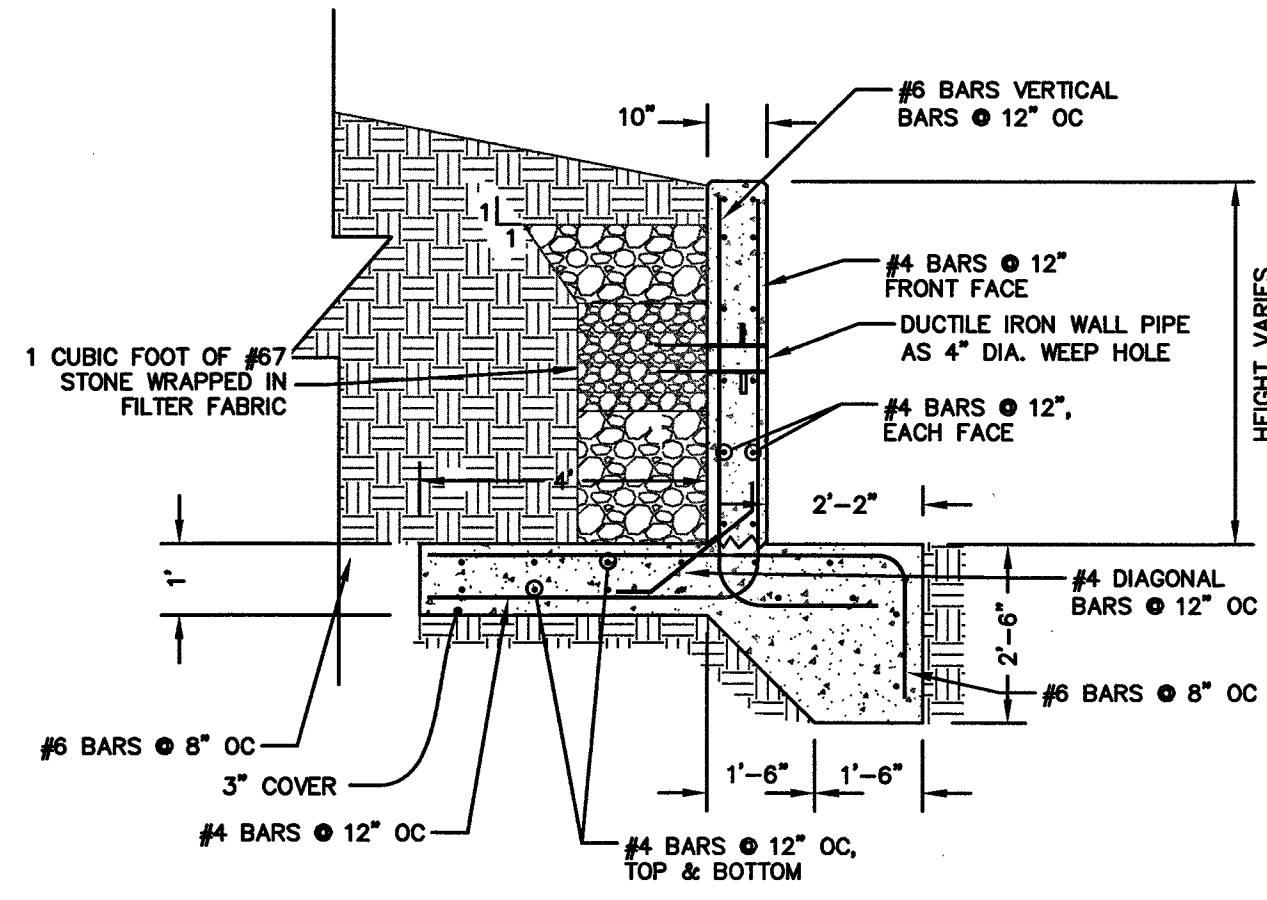
CATAWBA BEND PRESERVE LOOP ROAD PHASE 1	PAVEMENT MARKING PLAN
SHEET 26	OF 82

GENERAL NOTES:

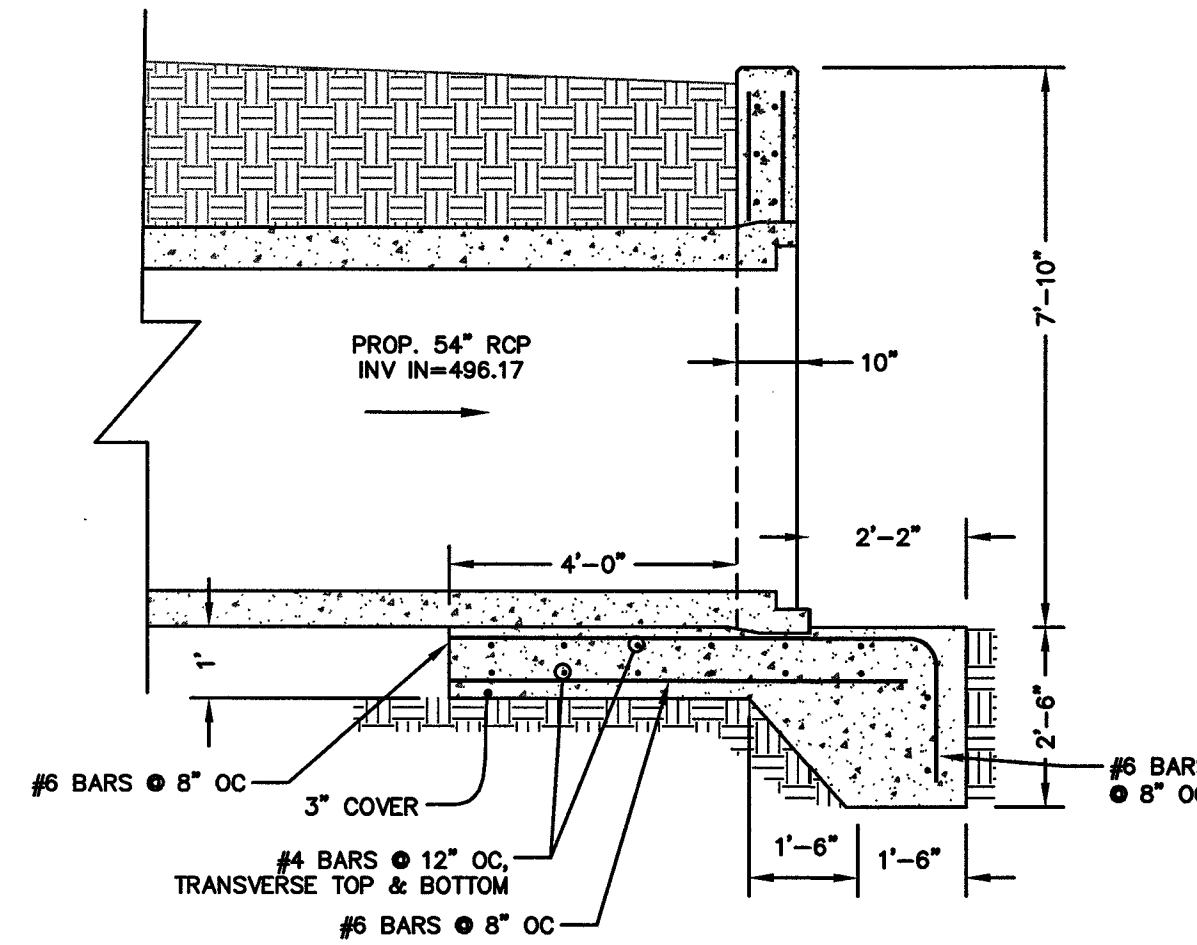
1. ALL CONCRETE TO BE 4,000 PSI UNLESS OTHERWISE NOTED.
2. ALL CONCRETE REINFORCING STEEL SHALL BE GRADE 60.
3. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4".
4. ALL EXPOSED JOINTS WILL BE CONCAVE TOOLED.
5. ALL DIMENSIONS RELATIVE TO PLACEMENT OF REINFORCING STEEL ARE TO CENTERS OF BARS.
6. FORMS ARE TO BE USED FOR CONSTRUCTION OF THE BOTTOM SLAB.
7. REINFORCEMENT COVER TO BE 2" AT ALL FACES UNLESS OTHERWISE NOTED.



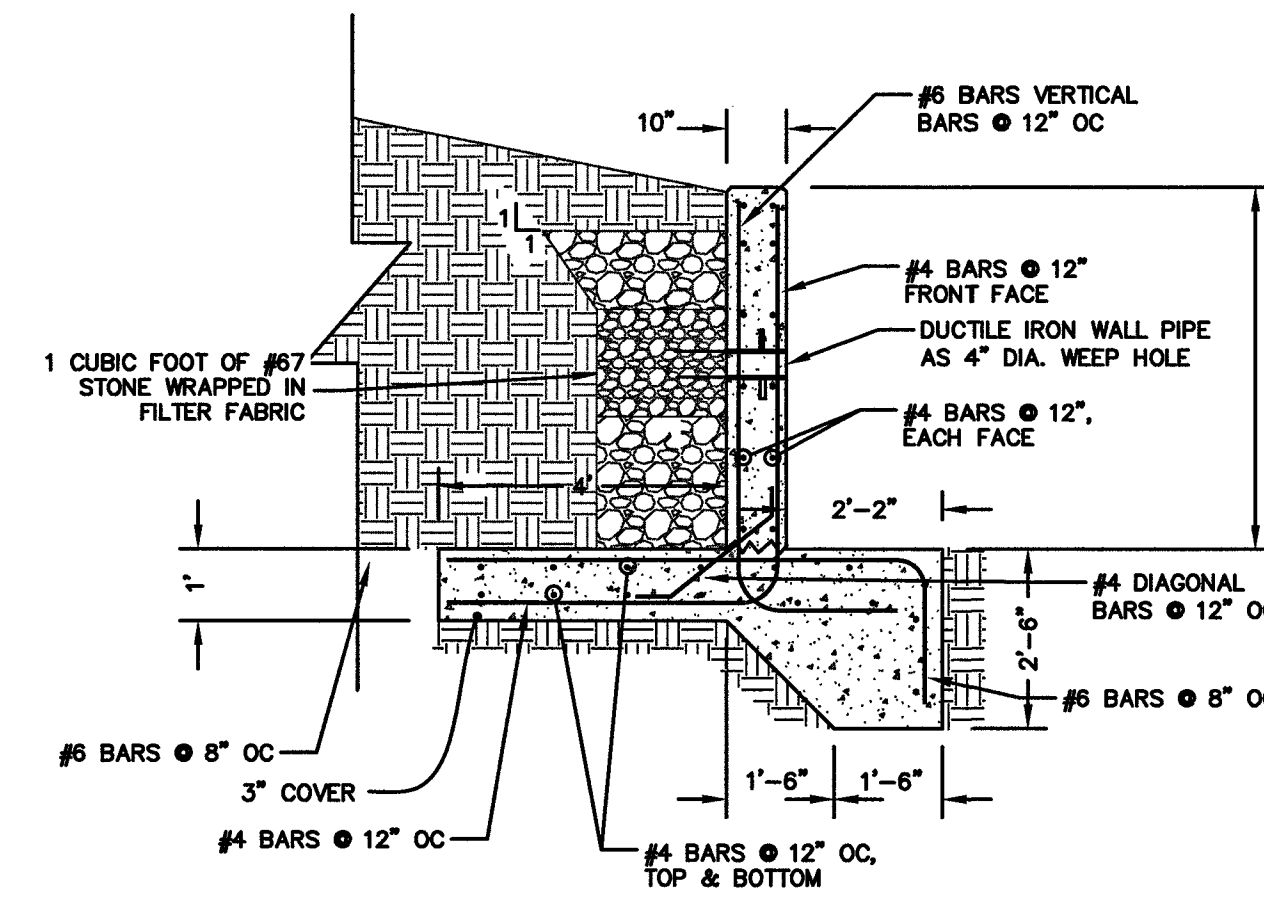
7 SECTION AT HEADWALL
28 SCALE: 3/8" = 1'



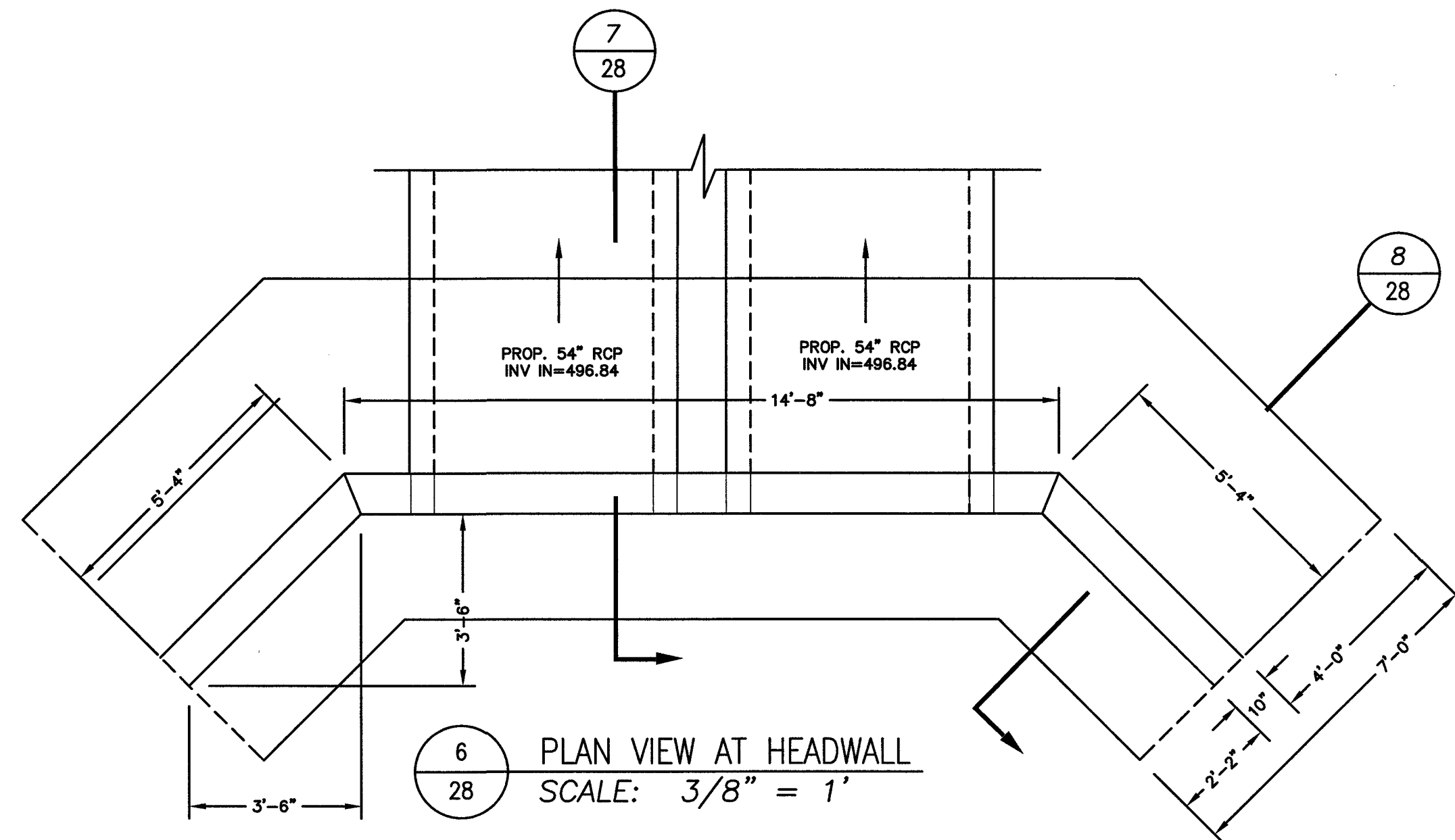
8 SECTION AT HEADWALL & WING WALLS
28 SCALE: 3/8" = 1'



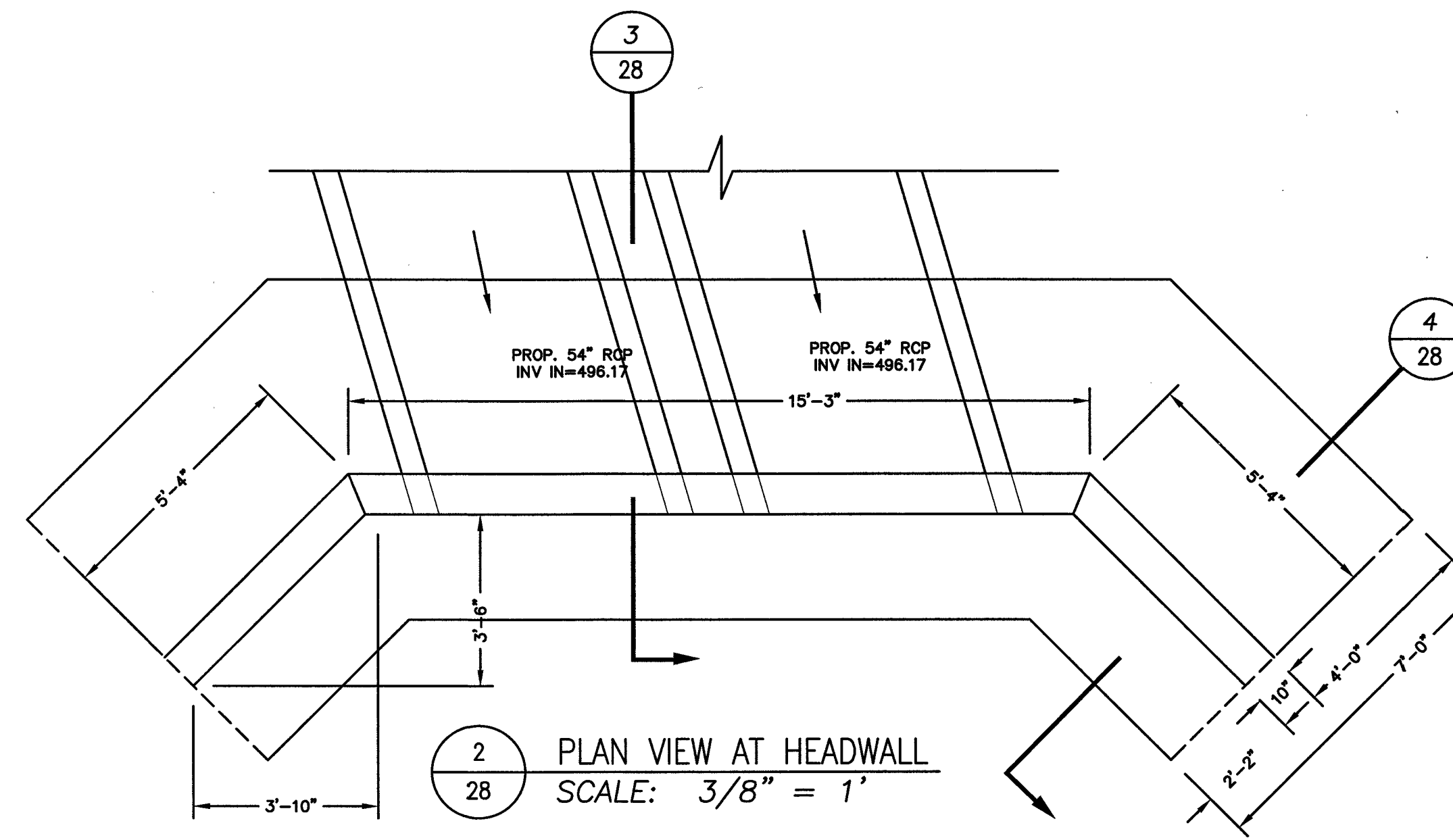
3 SECTION AT HEADWALL
28 SCALE: 3/8" = 1'



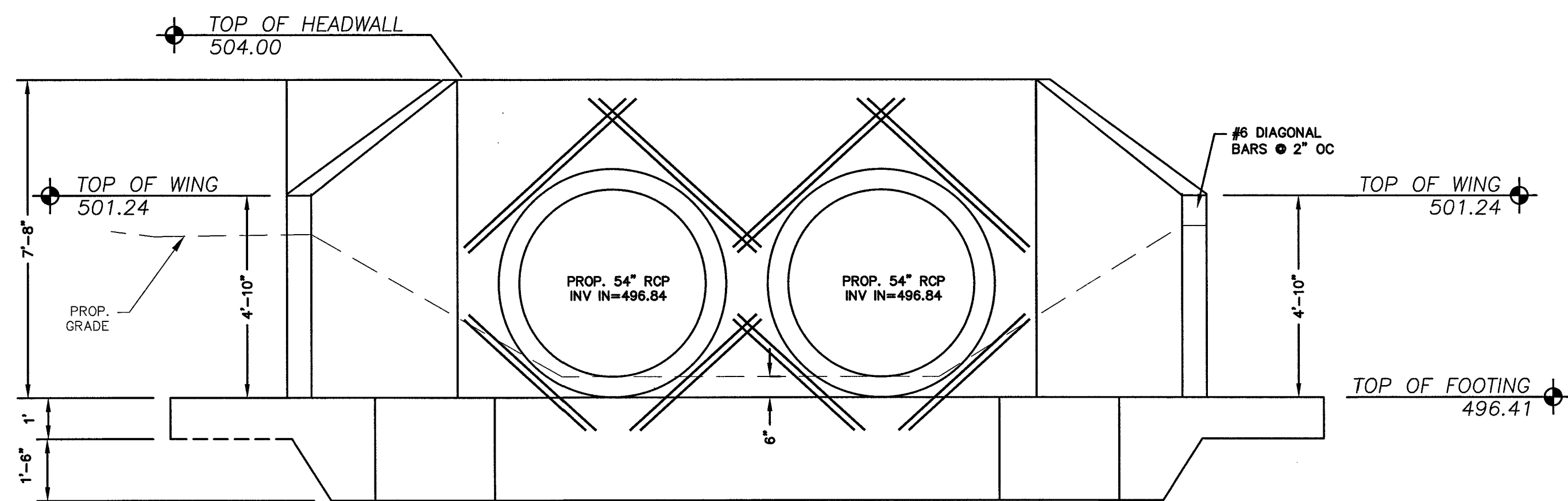
4 SECTION AT HEADWALL & WING WALLS
28 SCALE: 3/8" = 1'



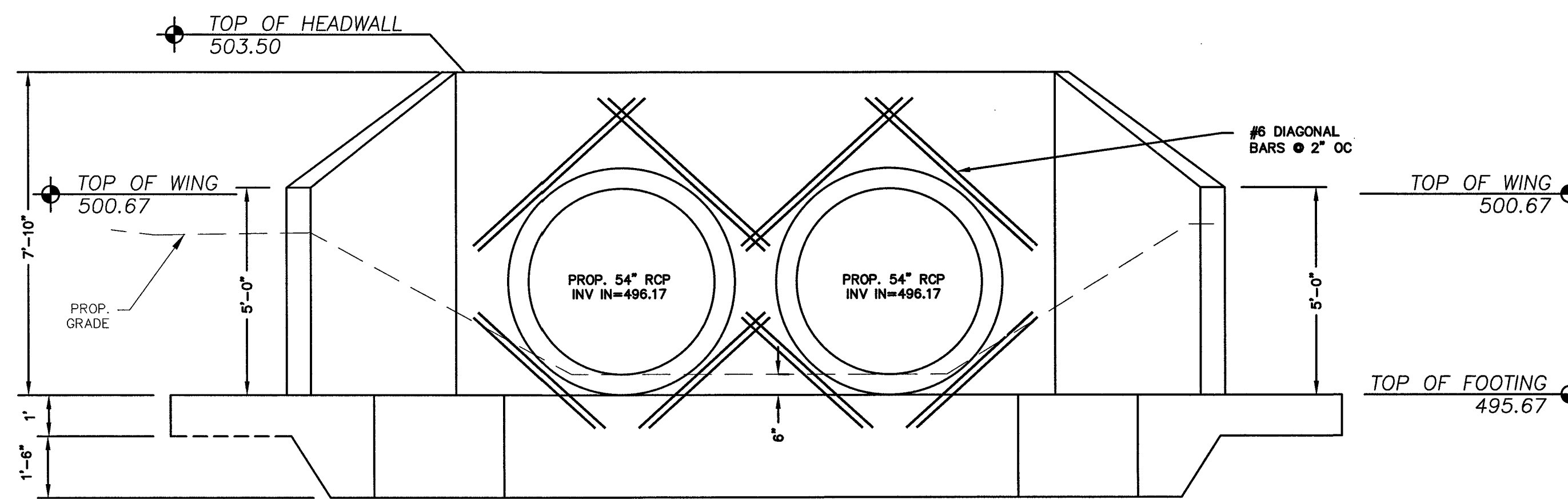
6 PLAN VIEW AT HEADWALL
28 SCALE: 3/8" = 1'



2 PLAN VIEW AT HEADWALL
28 SCALE: 3/8" = 1'

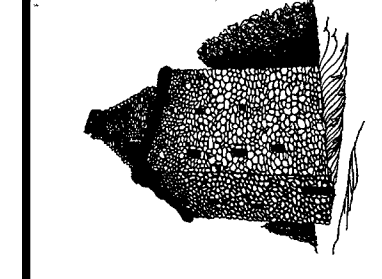


5 ELEVATION VIEW AT HEADWALL
28 SCALE: 3/8" = 1'

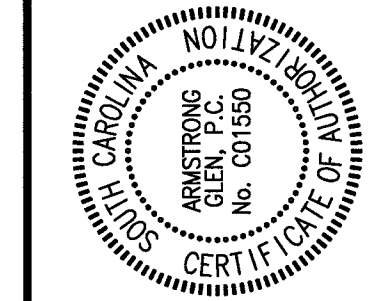
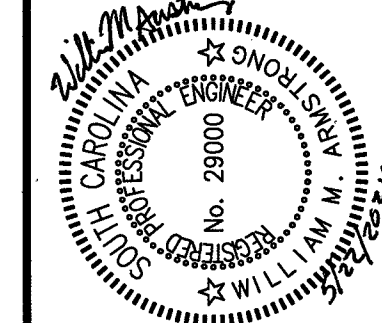


1 ELEVATION VIEW AT HEADWALL
28 SCALE: 3/8" = 1'

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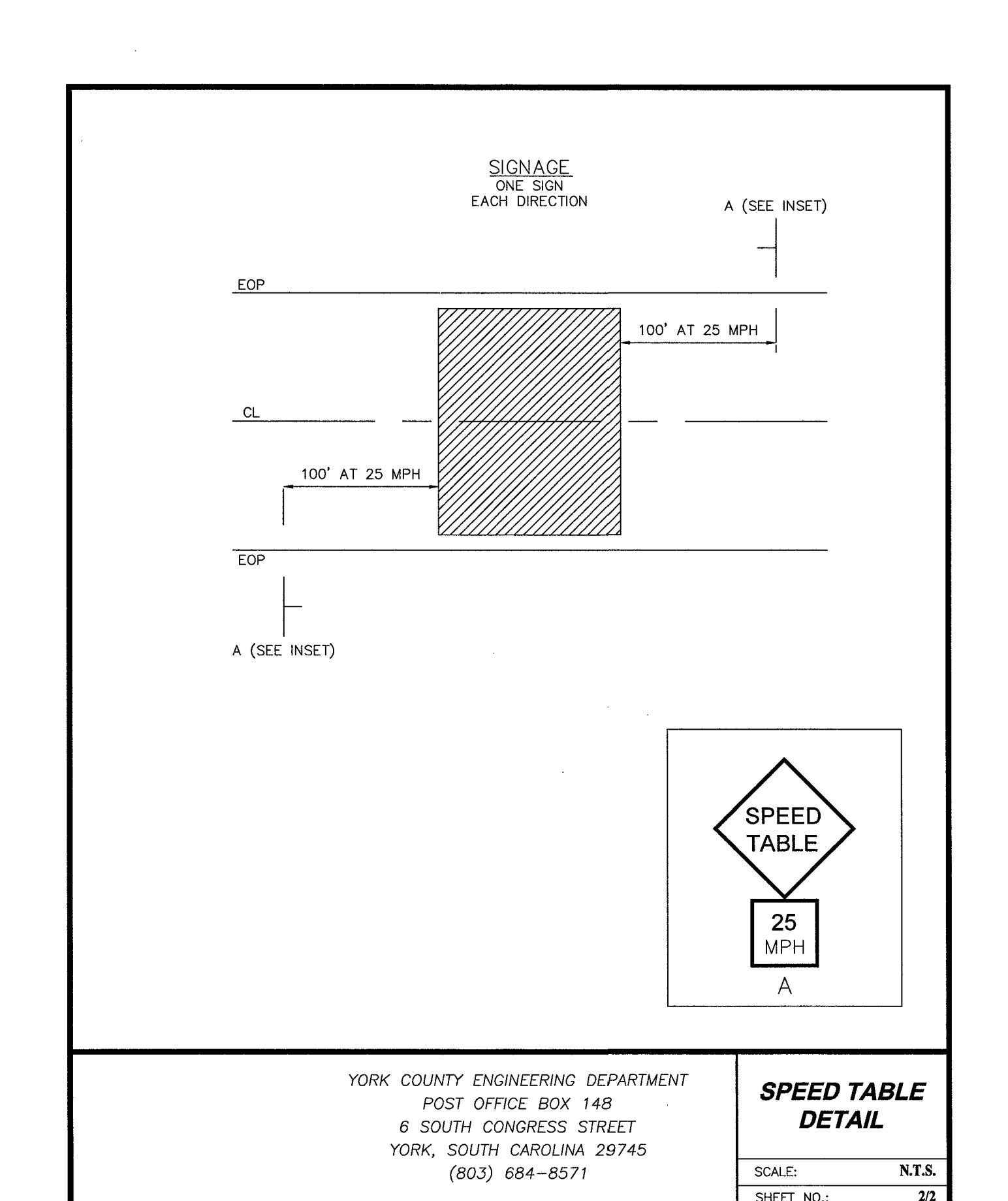
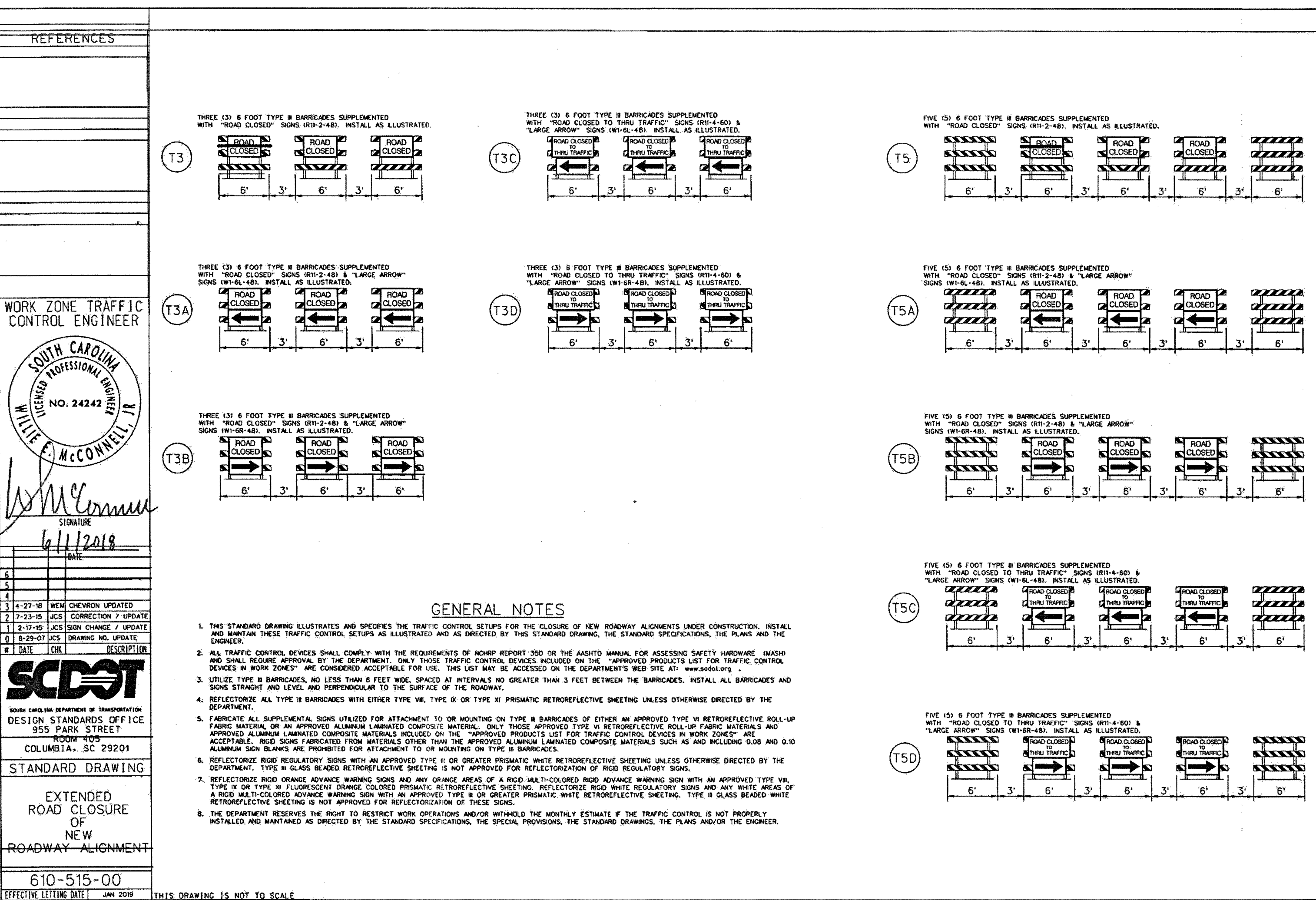
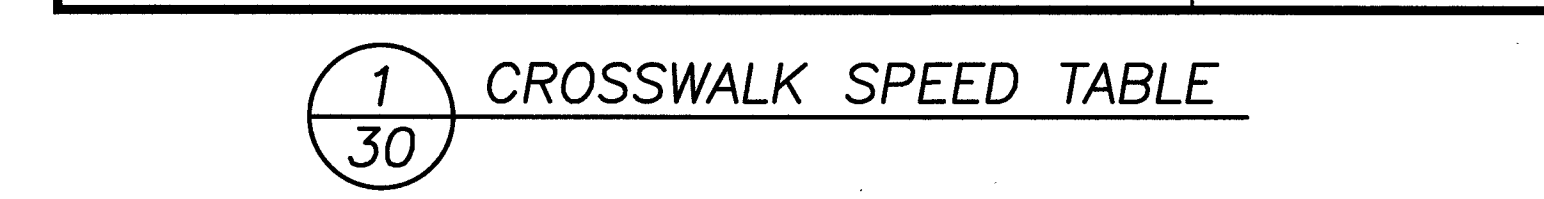
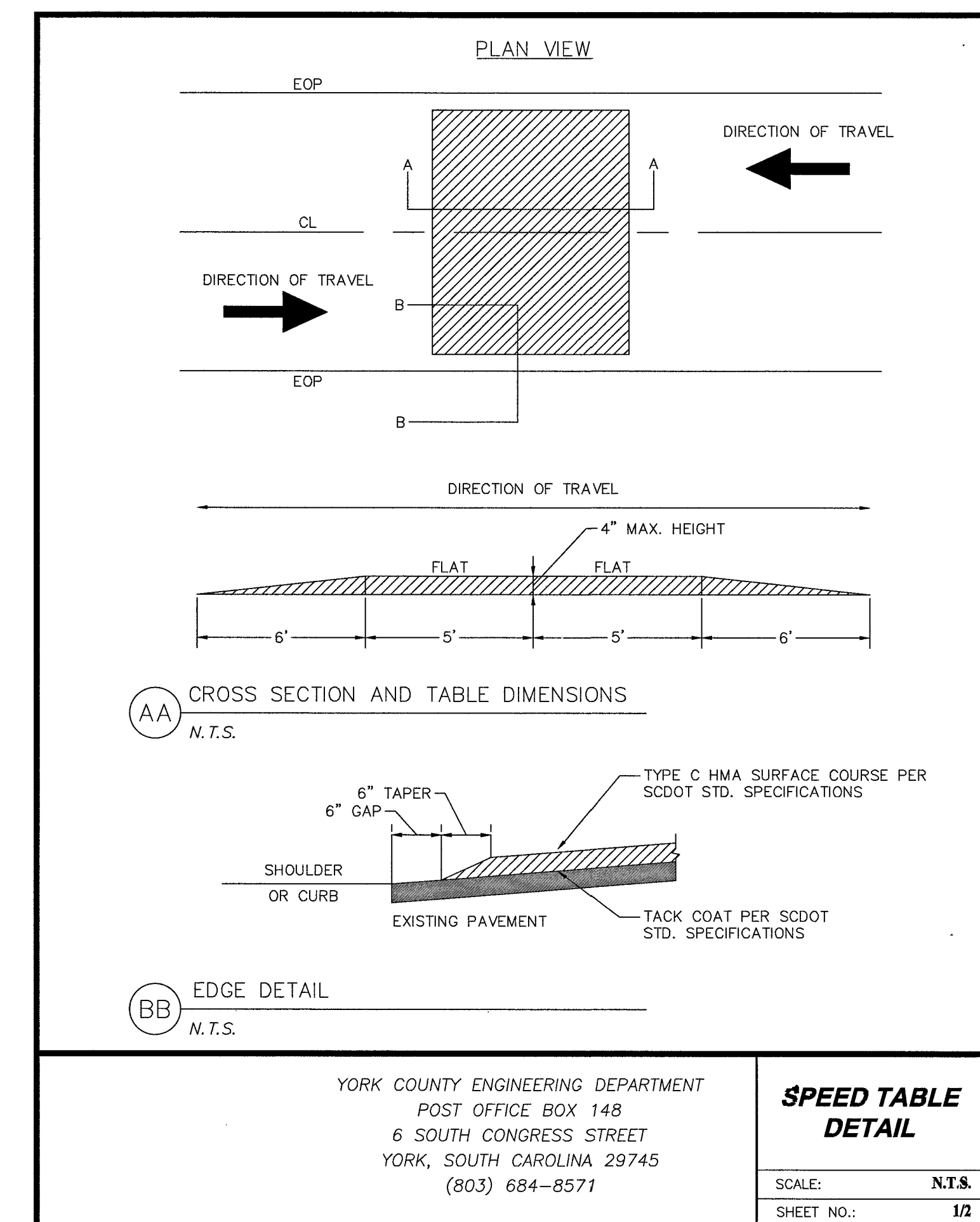
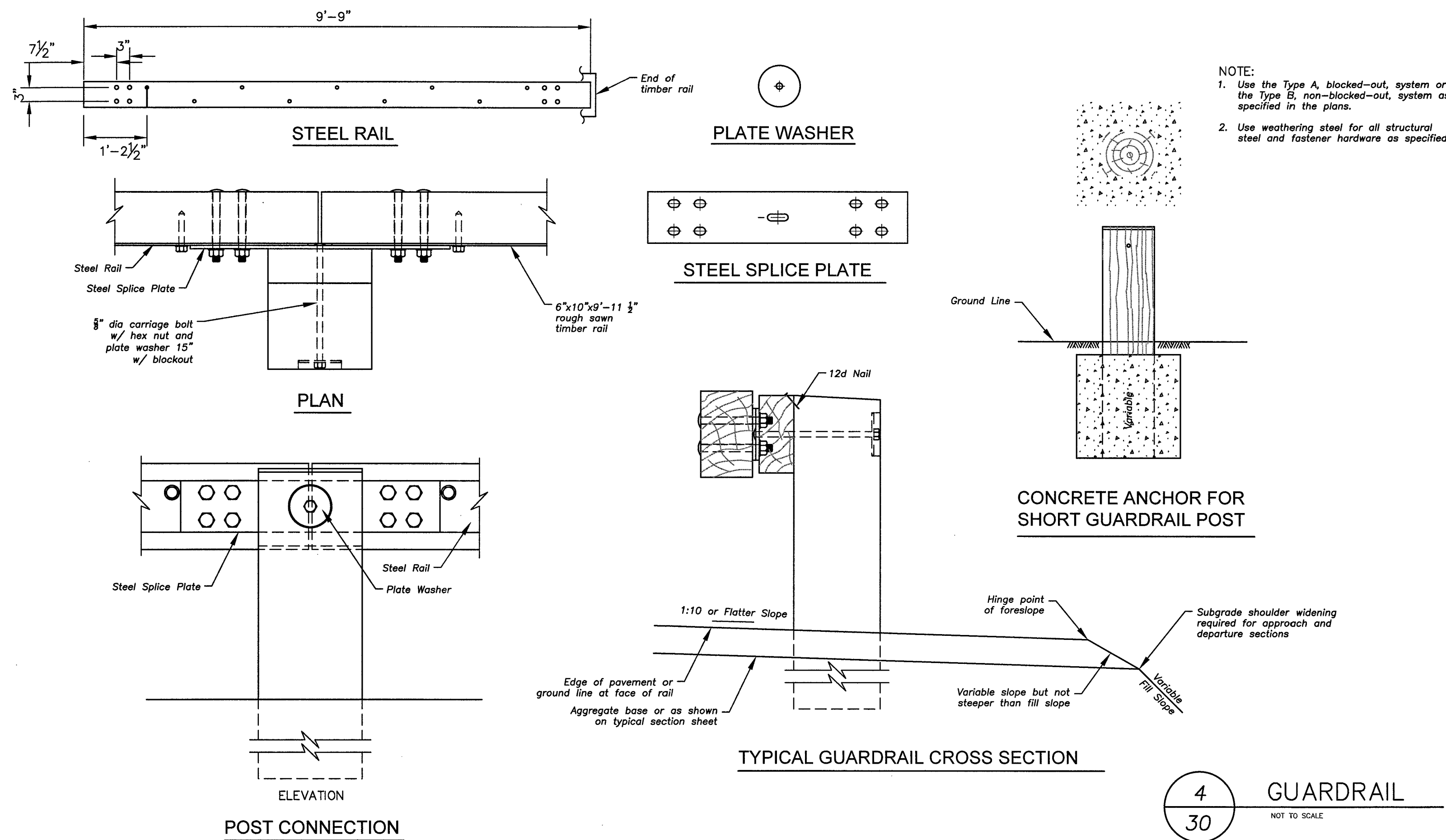


NO.	DATE	DESCRIPTION



22106	MA	SCALE	

**CATAWBA BEND
PRESERVE LOOP ROAD
PHASE 1
EXISTING POND/DAM
IMPROVEMENT
STRUCTURAL DETAILS**



NO.	DATE	DESCRIPTION
1		
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WORK ZONE TRAFFIC CONTROL ENGINEER

SOUTH CAROLINA
 LICENSED PROFESSIONAL ENGINEER
 NO. 24242
WILLIE E. MCCONNELL, JR.

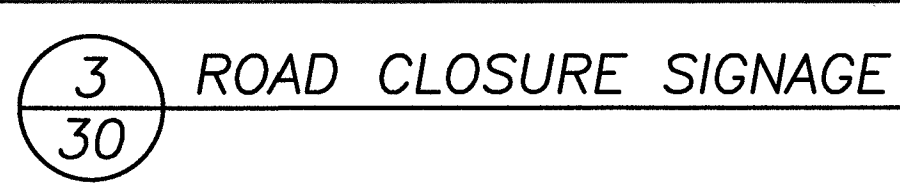
DATE: 6/11/2019

610-515-00
 EFFECTIVE LISTING DATE: JAN 2009

DESIGN STANDARDS OFFICE
 955 PARK STREET
 COLUMBIA, SC 29201

STANDARD DRAWING

EXTENDED ROAD CLOSURE OF NEW ROADWAY ALIGNMENT



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NO. DATE DESCRIPTION

22106 JOB NO. SCALE NA

22106/22106 BEND ENTRANCE ROAD/CAD/WMA CHECKED BY DATE

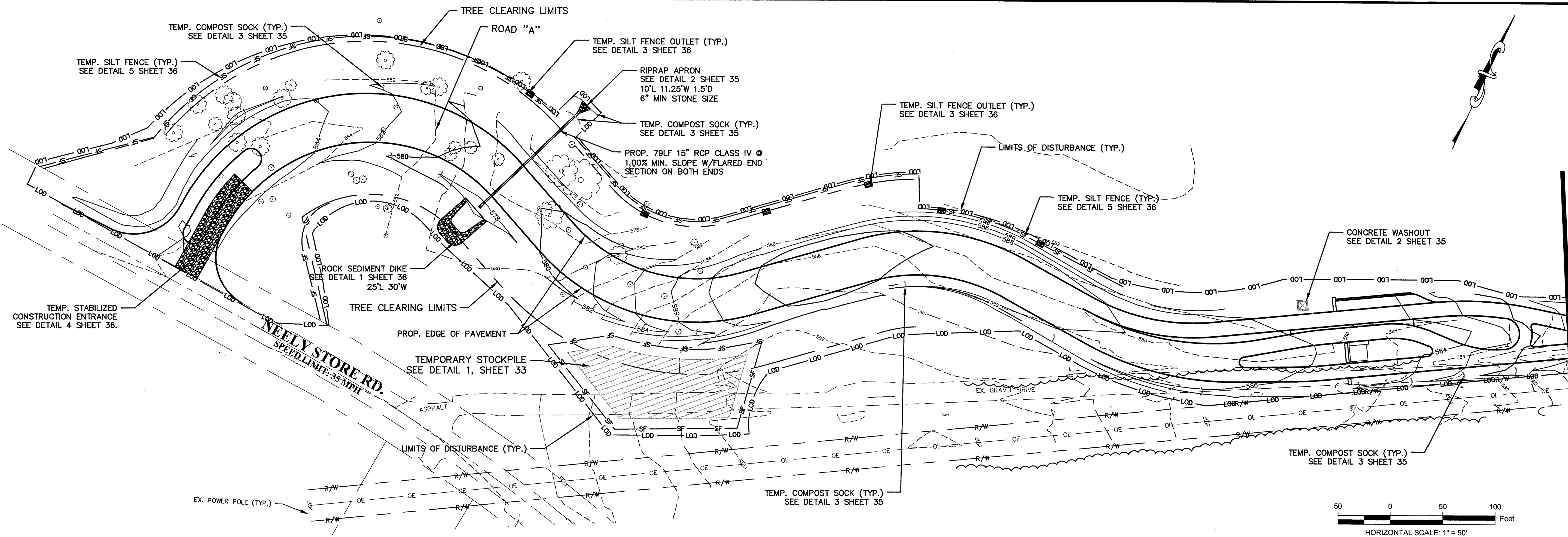
DUC DUC 05/22/2024

PREPARED BY WMA APPROVED BY

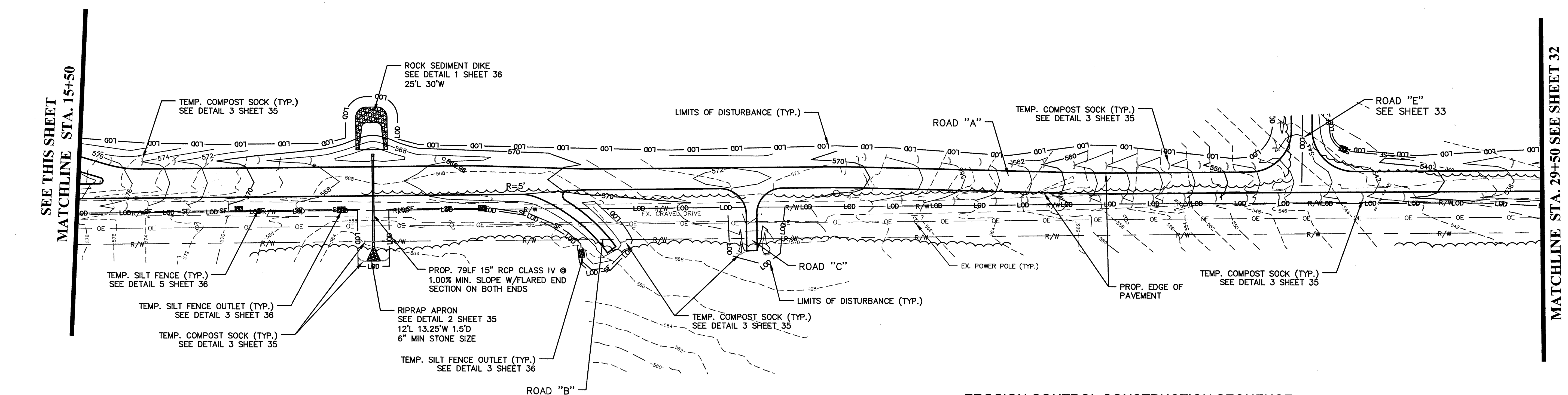
CATAWBA BEND PRESERVE LOOP ROAD PHASE 1

TRAFFIC DETAILS

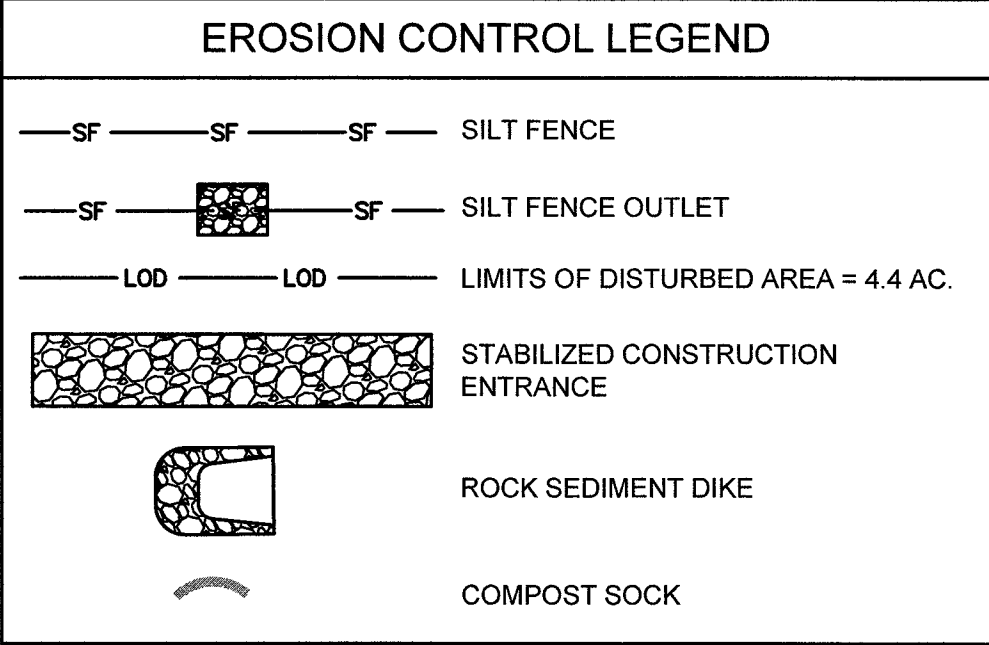
SHEET 30 OF 82



MATCHLINE STA. 15+50 SEE THIS SHEET

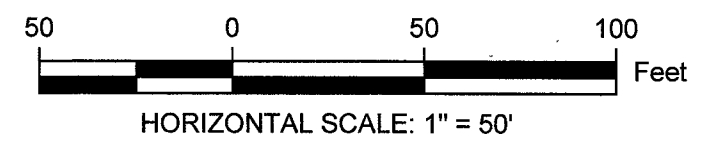


MATCHLINE STA. 29+50 SEE SHEET 32



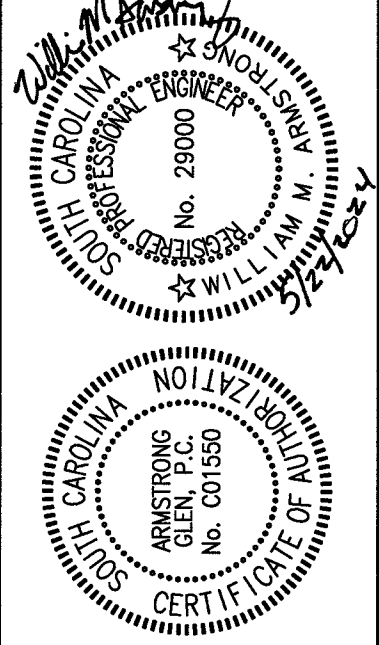
EROSION CONTROL CONSTRUCTION SEQUENCE
SEE SHEET 2 FOR EROSION CONTROL NOTES

1. OBTAIN SEDIMENT AND EROSION CONTROL PERMIT FROM YORK COUNTY.
2. CONTACT SEDIMENT AND EROSION CONTROL INSPECTOR AT 803-909-7157 TO SET UP A PRELIMINARY CONSTRUCTION MEETING 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
3. CLEAR AND GRUB AS NECESSARY TO INSTALL SILT FENCE, AND SILT FENCE ROCK OUTLETS. CALL INSPECTOR FOR AN INSPECTION OF SEDIMENT AND EROSION CONTROL MEASURES ONCE THEY ARE INSTALLED.
4. CLEAR AND GRADE FOR PROPOSED STORM DRAIN. INSTALL EROSION CONTROL ROCK SEDIMENT DIKE AND RIP RAP APRON.
5. CLEAR AND GRADE FOR PROPOSED ROADWAY AND ALL PROPOSED GRADES. INSTALL SEDIMENT TUBES AND SEED AS ROADWAY DISTURBANCE PROGRESSES.
6. ALL DISTURBED AREAS NOT TO RECEIVE ASPHALT SHALL BE STABILIZED BY FERTILIZING, SEEDING, AND MULCHING. SILT FENCE SHALL BE PLACED AS NEEDED TO FILTER RUNOFF.
7. TEMPORARY SEDIMENT CONTROL DEVICES FOR THE ROADWAY CONSTRUCTION SHALL REMAIN UNTIL VEGETATION IS ESTABLISHED.
8. CONTINUE MAINTENANCE ON EROSION CONTROL MEASURES UNTIL SITE IS STABILIZED.
9. ONCE SITE IS STABILIZED REMOVE ALL EROSION CONTROL MEASURES.



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Armstrong Glen, P.C.
9731-L Southern Pine Boulevard
P.O. Box 7326 28241
Charlotte, NC 28276
Phone: 704-528-0345
Fax: 704-528-0493

NO.	DATE	BY	DESCRIPTION

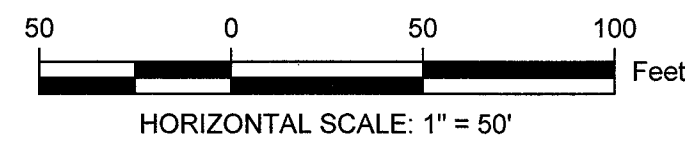
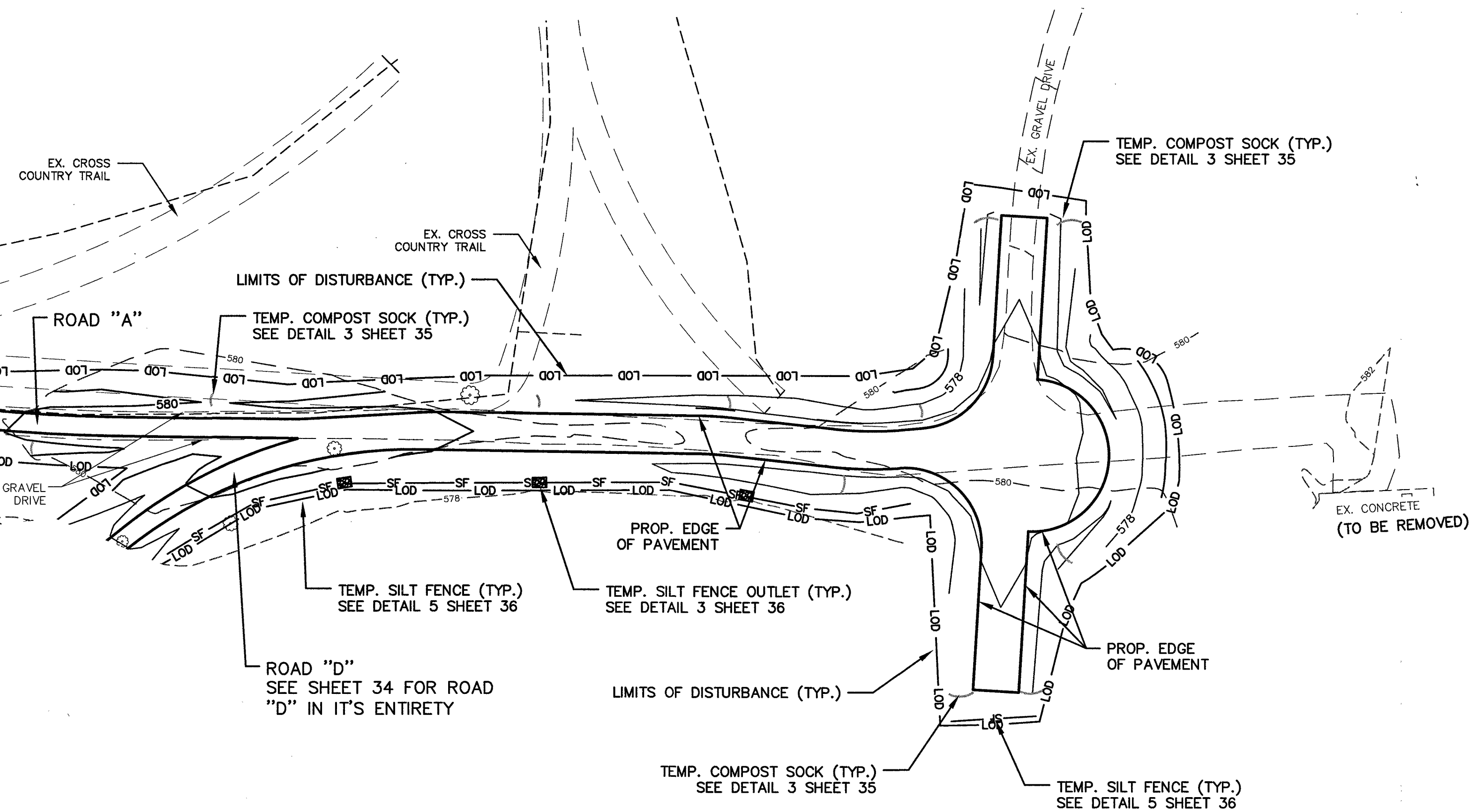


22108	JOB NO.	SCALE	1"=50'
Z109/CATAWBA BEND ENTRANCE ROAD/ADD/WMA	CAD FILE PATH	CHECKED BY	WMA
		DATE	05/21/2024
	PREPARED BY		
	APPROVED BY		

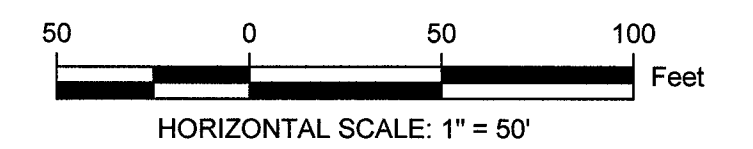
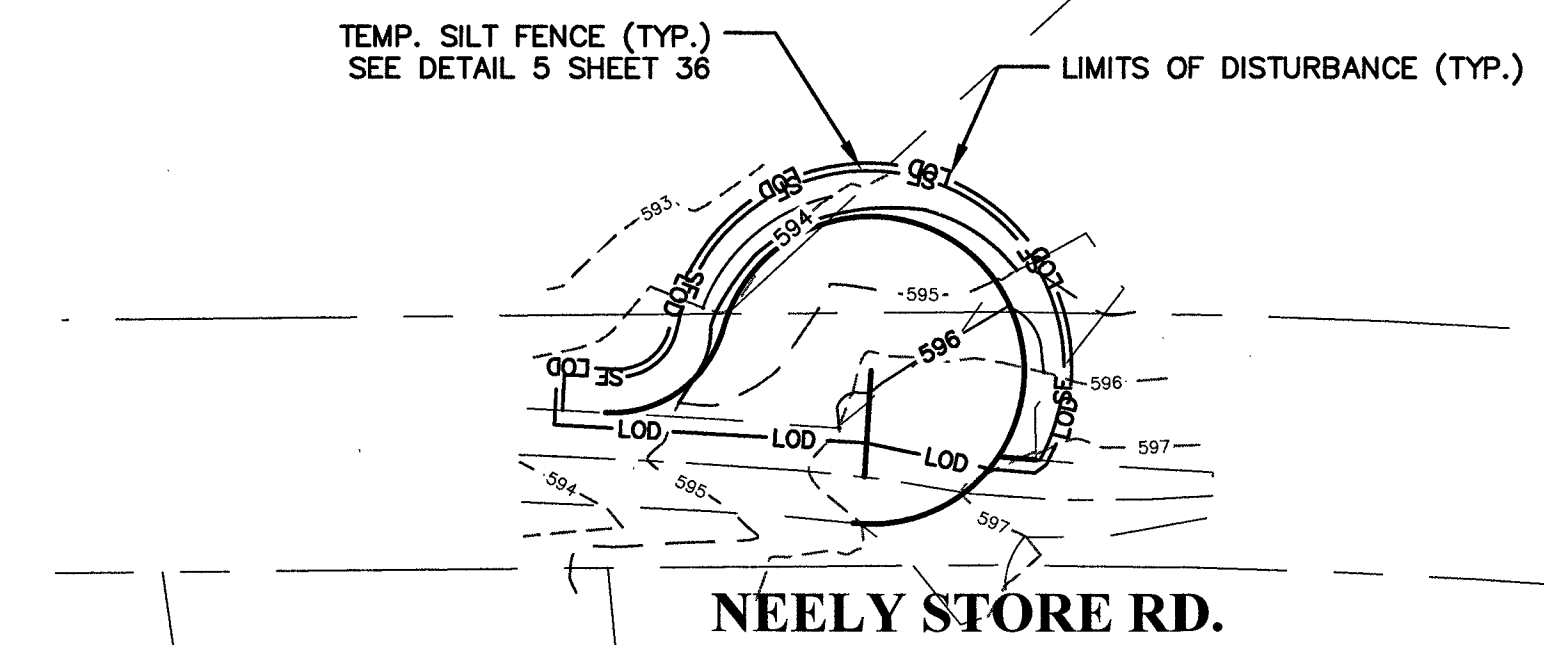
CATAWBA BEND PRESERVE LOOP ROAD PHASE 1
ROADWAY A, B, C & E
EROSION CONTROL PLAN STA. 0+50.01 - 29+50, 0+00 - 1+90, 0+00 - 1+20, & 0+00-2+00

SHEET **31** OF **82**

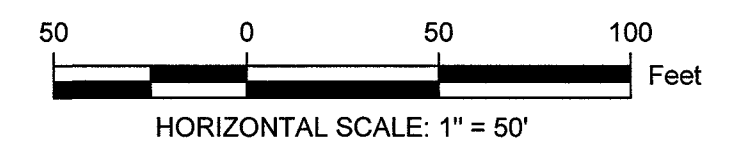
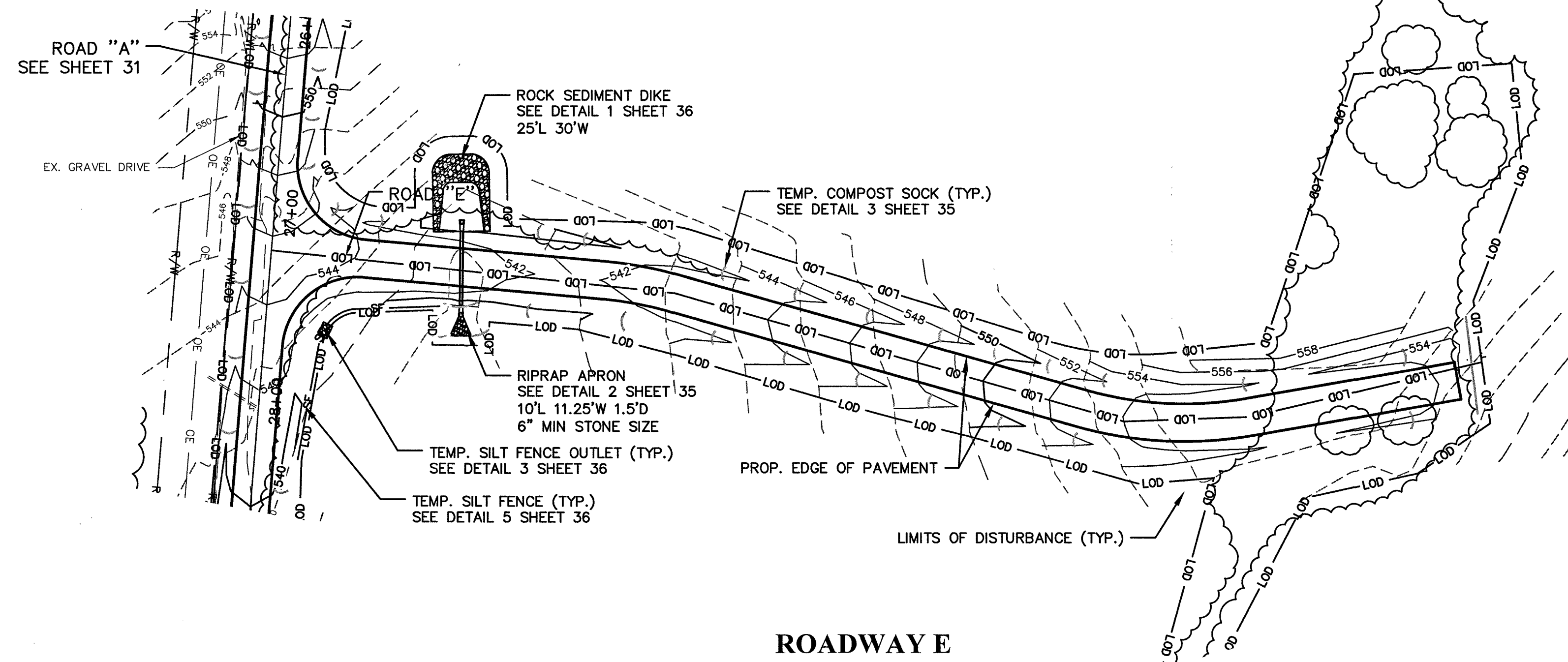
MATCHLINE STA. 58+00 SEE SHEET 32



ROADWAY A

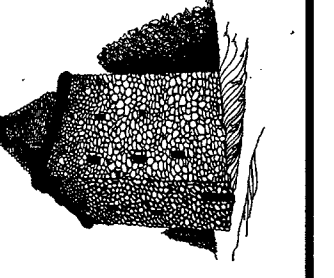


CUL-DE-SAC

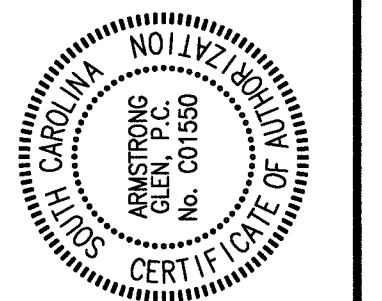
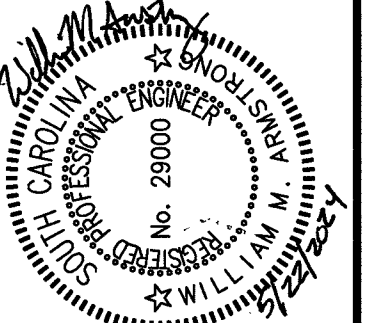


ROADWAY E

Plans Prepared By:
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NO.	DATE	BY	DESCRIPTION



22106	1"=50'	SCALE
CATAWBA BEND PRESERVE LOOP ROAD/ WMA		
2109	05/21/2024	CHECKED BY DATE
DJC	05/21/2024	DATE
WMA		APPROVED BY

CATAWBA BEND PRESERVE LOOP ROAD PHASE 1
ROADWAY A, E & CUL-DE-SAC EROSION CONTROL PLAN
 STA. 0+00 - 64+28.48, 0+00-7+00

SHEET **33** OF **82**

National Flood Hazard Layer FIRMette



Legend

SEE THIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, A99
- With BFE and Depth Zone AE, AH, X, Y, Z
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 2% Annual Chance Flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levees, See Notes, Zone X
- Area with Flood Risk due to Levees Zone D

OTHER AREAS

- no SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRMs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transsect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps. If it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/30/2023 at 3:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Flood Hazard Layer FIRMette



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- No Digital Data Available
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The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/30/2023 at 3:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Temporary Seeding - Upstate

Species	Lbs/ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop Millet (Alone)	40												
Browntop Millet (Mix)	10												
Rye Grain (Alone)	56												
Rye Grain (Mix)	10												
Rye Grass (Alone)	50												
Rye Grass (Mix)	8												

For Steep Slopes/Cut Slopes

Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												

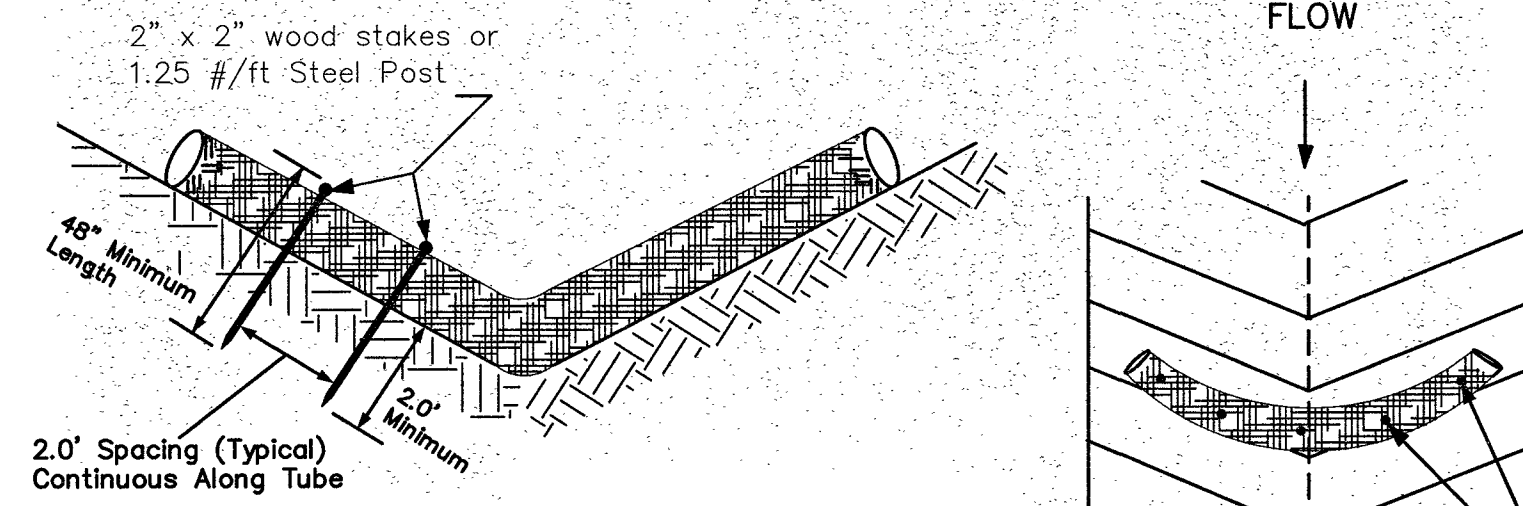
Permanent Seeding - Upstate

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahia Grass (Alone)	40												
Bahia Grass (Mix)	30												
Bermuda Grass (hulled) (Alone)	8-12												
Bermuda Grass (hulled) (Mix)	4-6												
Fescue, Tall (KY31) Alone	40												
Fescue, Tall (KY31) mix	20												
Scirpus Lepadocoma (Scarified) Alone or Mix (inoculate with EL Inoculant)	40												
Ladino Clover (mix only)	2												
Inoculate with AB Inoculant	2												

For Steep Slopes/Cut Slopes

Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												
Crownvetch (Mix)	8-10												
Inoculate with M Inoculant													

SEDIMENT TUBE INSTALLATION



SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150- FEET
2%	100- FEET
3%	75- FEET
4%	50- FEET
5%	40- FEET
6%	30- FEET
GREATER THAN 6%	25- FEET

SEDIMENT TUBES - GENERAL NOTES

- Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
- Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needles, and leaf mulch-filled sediment tubes are not permitted.
- The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
- Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
- Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
- Sediment tubes should be staked using wooden stakes (2-inch X 2-inch) or steel posts (standard 1/2" or 3/4" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
- Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
- The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
- Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
- Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
- Sediment tubes should continue up the side slopes a minimum of 1-foot above the design flow depth of the channel.
- Install stakes at a diagonal facing incoming runoff.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

- The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of sediment tubes 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 in front of the sediment tube 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 sediment tube.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Large debris, trash, and leaves should be removed from in front of tubes when found.
- If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tubes.
- Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

South Carolina Department of Health and Environmental Control

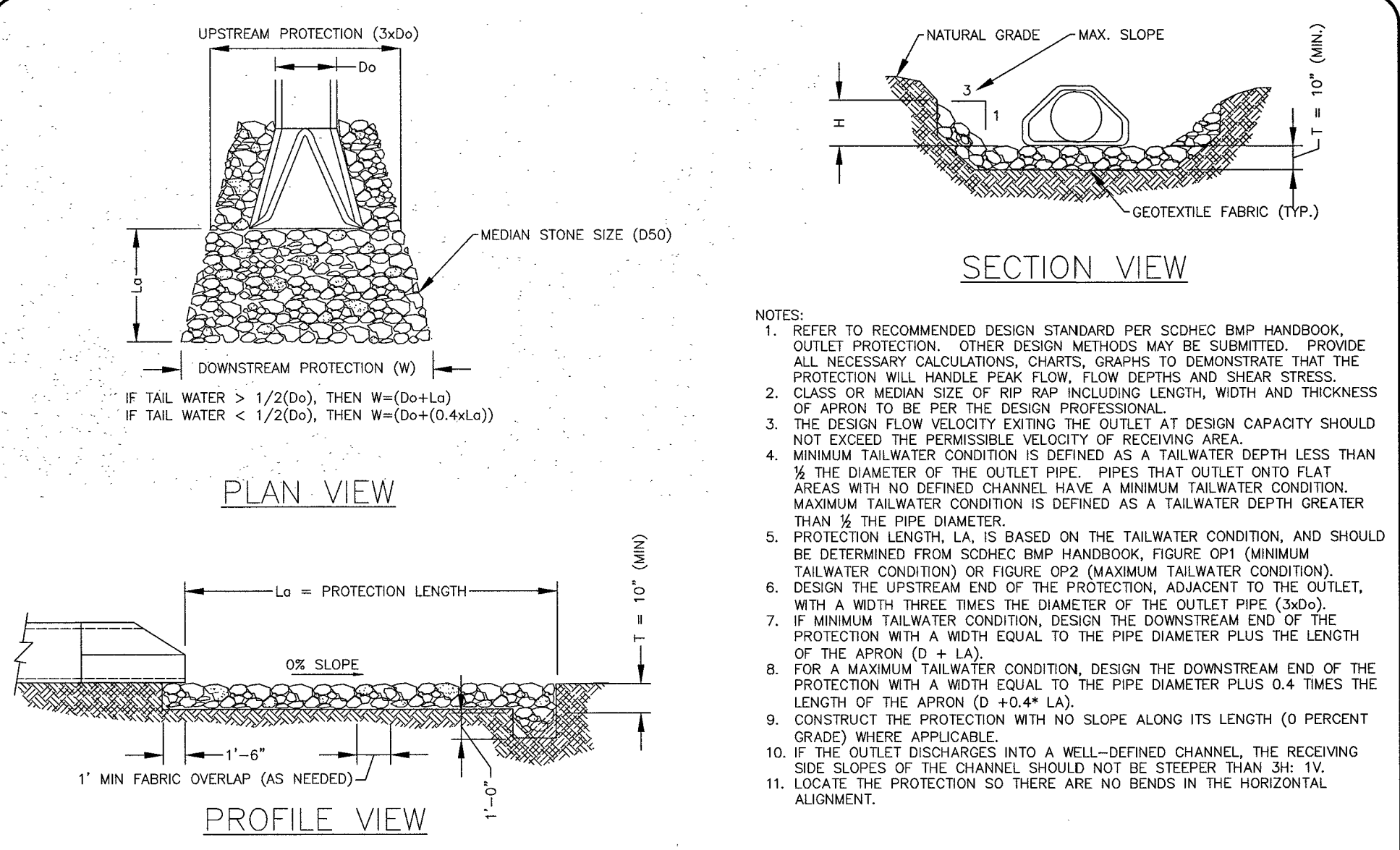
SEDIMENT TUBES

STANDARD DRAWING NO. SC-05

NOT TO SCALE

FEBRUARY 2014 DATE

3/35



YORK COUNTY LAND DEVELOPMENT STANDARDS

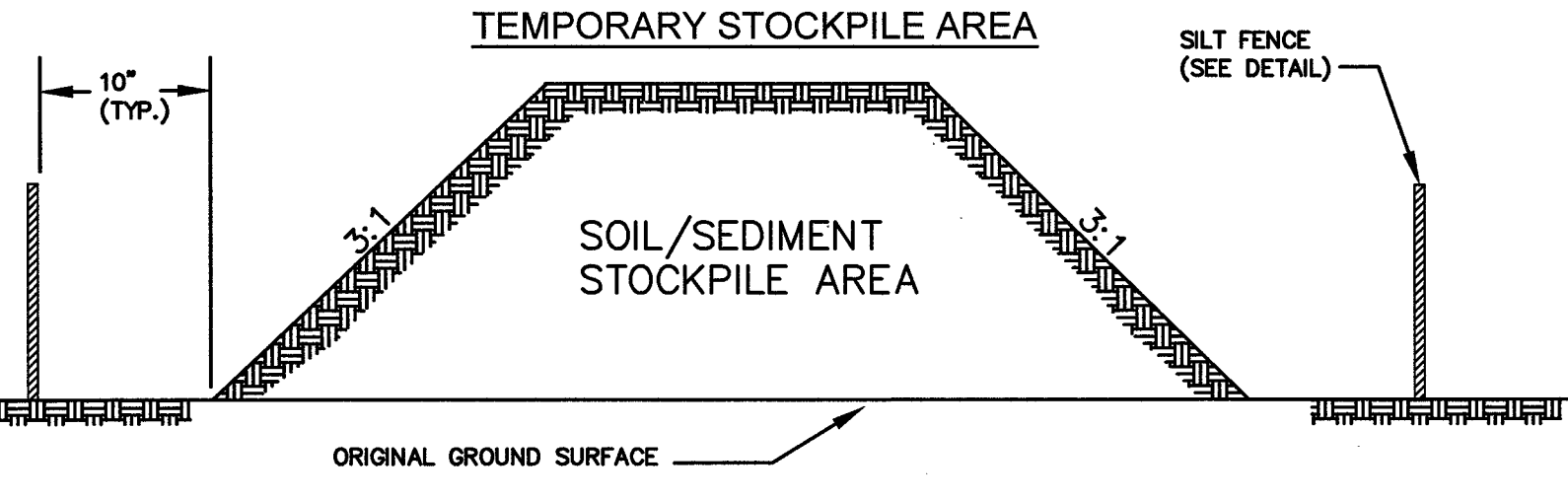
RIP RAP APRON AT PIPE OUTFALLS

STANDARD DRAWING NO. SC-06

NOT TO SCALE

FEBRUARY 2014 DATE

2/35



- NOTES:
- SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOPE THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
 - IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
 - SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
 - THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control

TEMPORARY STOCKPILE

STANDARD DRAWING NO. SC-15

NOT TO SCALE

FEBRUARY 2014 DATE

1/35

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 Fax: 704-529-0493



DESCRIPTION

NO. DATE BY

22106 JOB NO.

22106/CATAWBA BEND ENTRANCE ROAD/ADSD/WMA CAD FILE PATH

CHECKED BY

DUC

PREPARED BY

WMA

APPROVED BY

DATE

05/21/2024

SCALE

22106

22106/CATAWBA BEND ENTRANCE ROAD/ADSD/WMA CAD FILE PATH

ARMSTRONG GLEN, P.C. ENGINEER

NO. 011850

CERTIFICATE OF REGISTRATION

22106 JOB NO.

22106/CATAWBA BEND ENTRANCE ROAD/ADSD/WMA CAD FILE PATH

CHECKED BY

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PREPARED BY

WMA

APPROVED BY

DATE

05/21/2024

SCALE

22106

22106/CATAWBA BEND ENTRANCE ROAD/ADSD/WMA CAD FILE PATH

ARMSTRONG GLEN, P.C. ENGINEER

NO. 011850

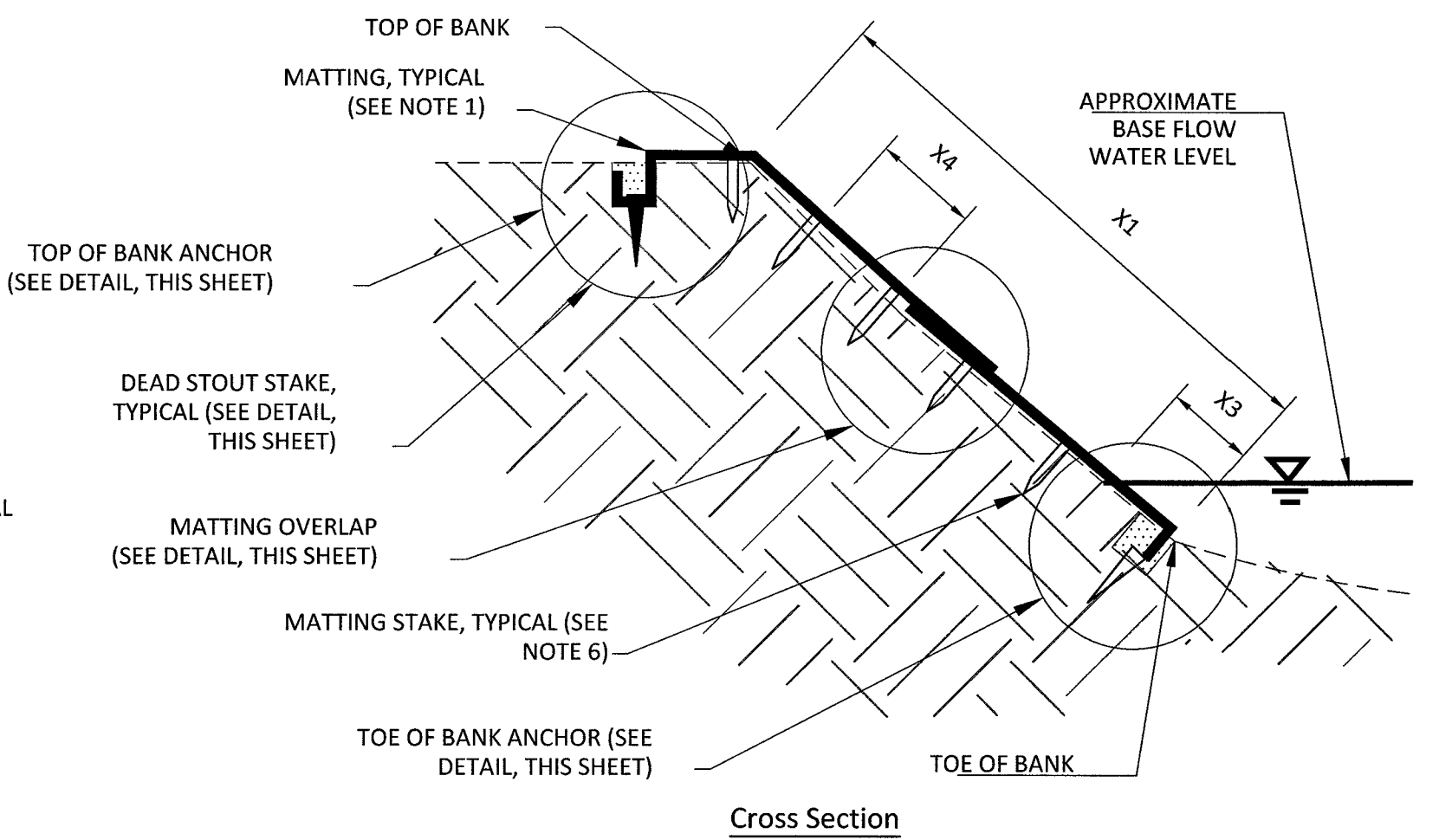
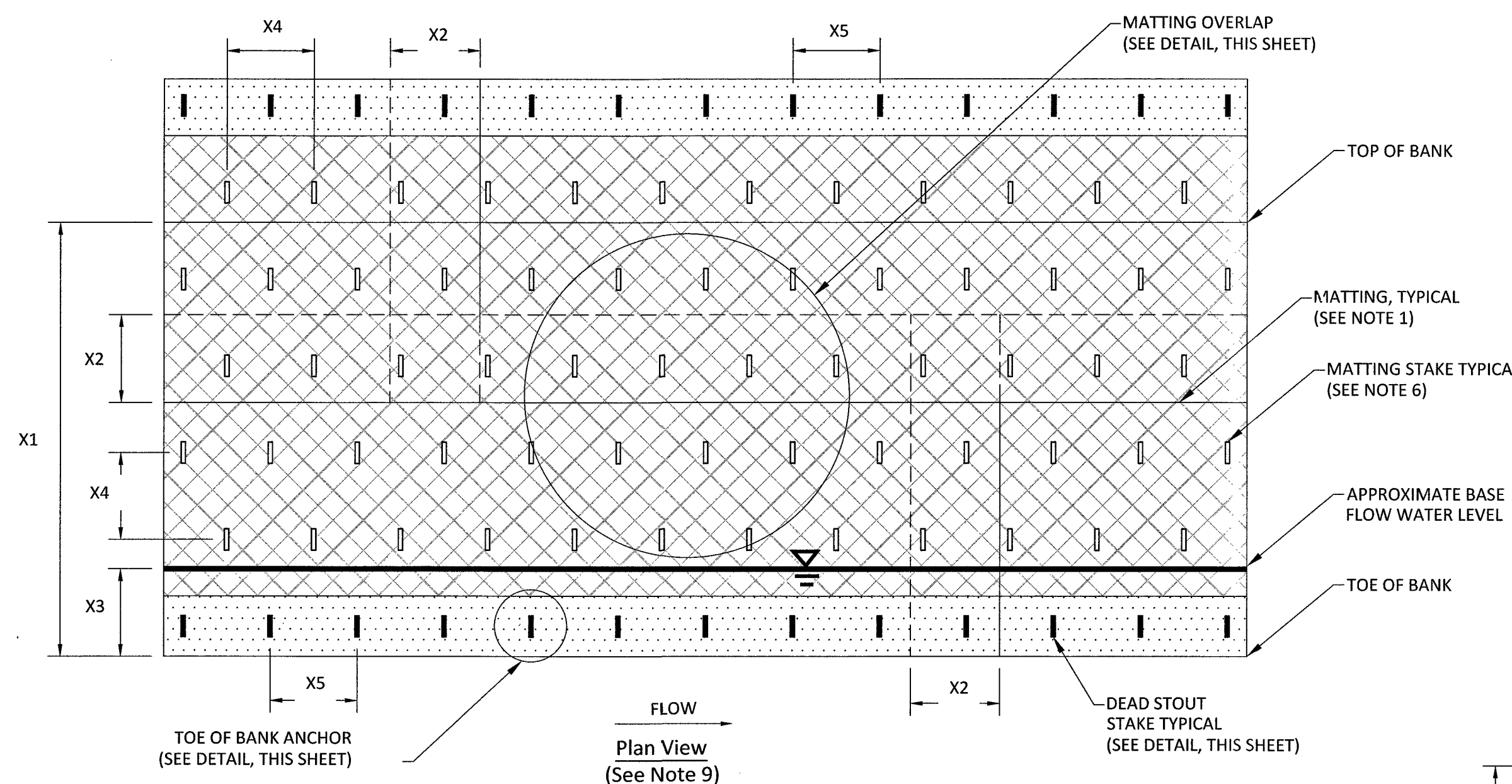
CERTIFICATE OF REGISTRATION

CATAWBA BEND PRESERVE LOOP ROAD PHASE 1

EROSION CONTROL DETAILS

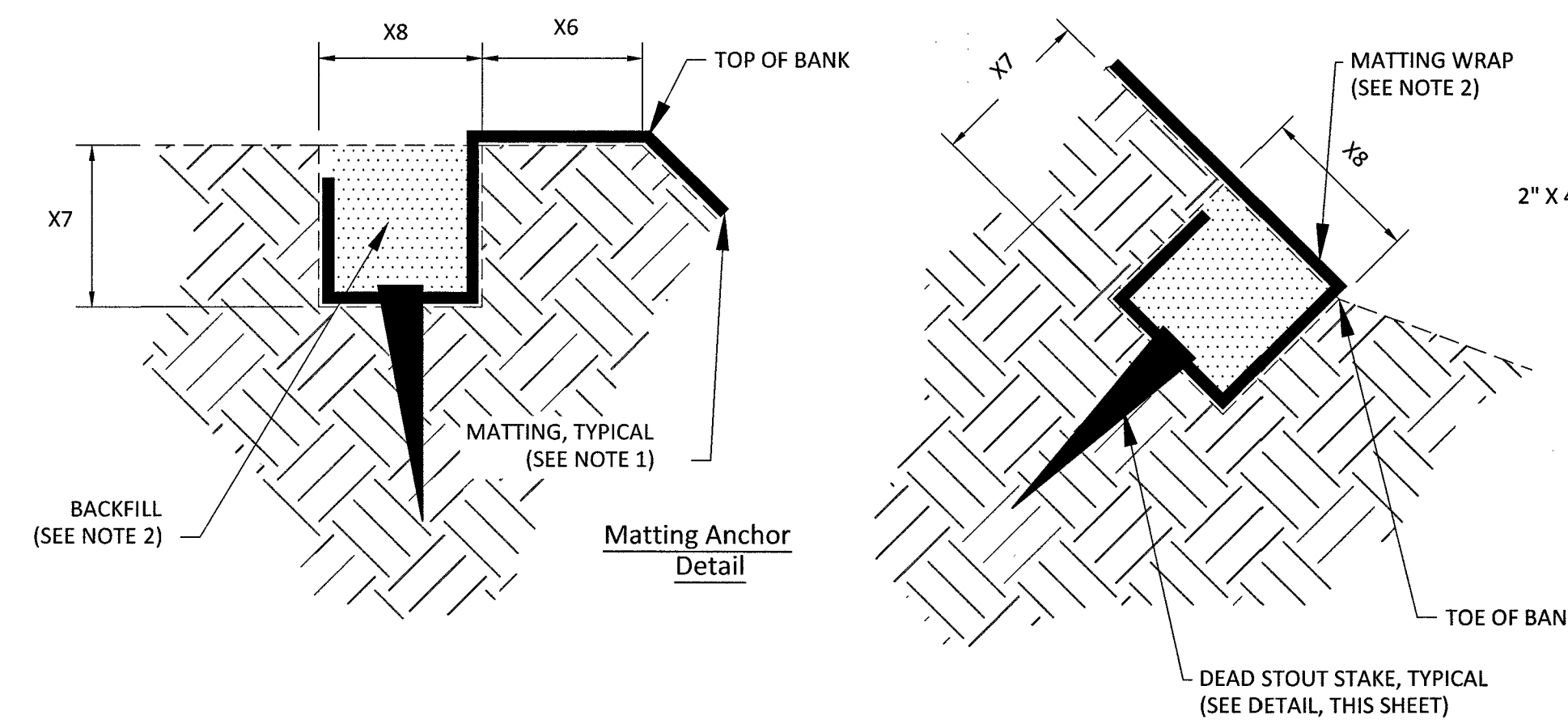
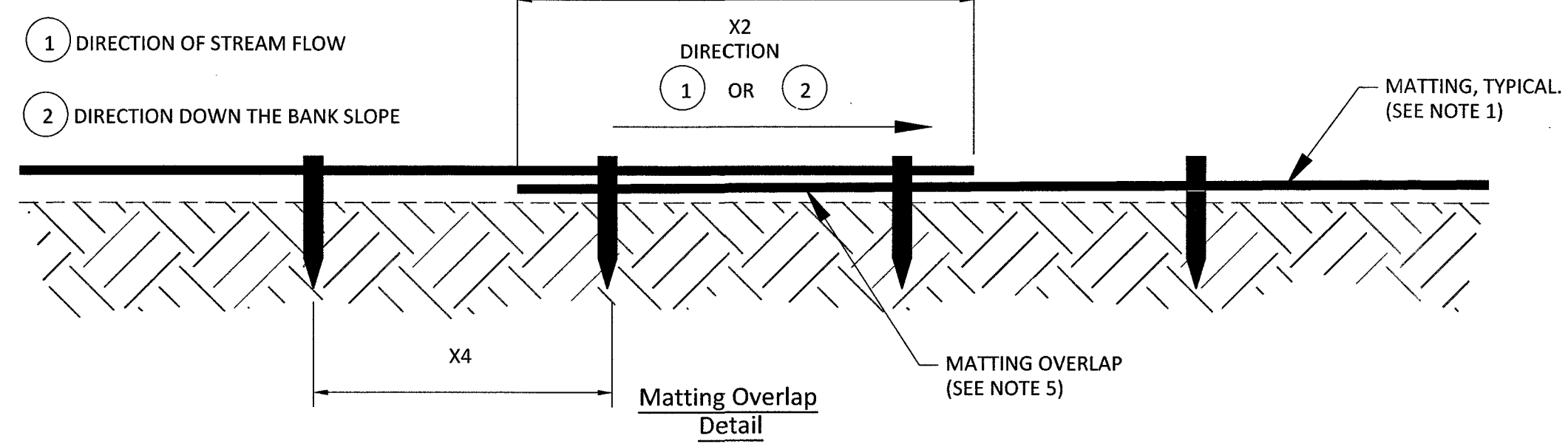
SHEET 35 OF 82

SIB. NO.	REV.
3.17	01
	DATE
	07/21

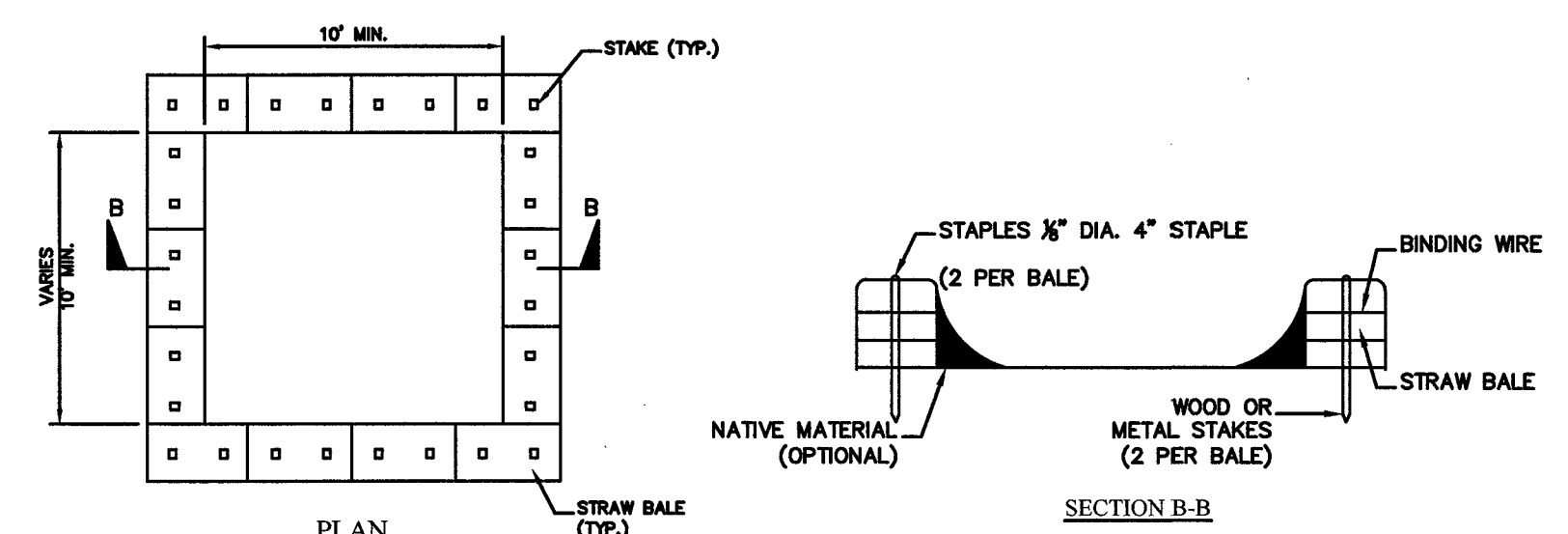


- NOTES:
1. EROSION CONTROL MATTING SHALL CONSIST OF A GEOTEXTILE OF A TYPE SPECIFIED BY THE DESIGNER INSTALLED FLAT AND STAKED AGAINST A SLOPE AND/OR A STREAM BANK.
 2. MATTING SHALL BE ANCHORED IN A TRENCH AT BOTH THE TOE AND TOP OF THE STREAM BANK. DEAD STOUT STAKES AND CLEAN SOIL BACKFILL SHALL BE USED TO SECURE THE MATTING INTO THE TOE AND TOP OF BANK TRENCHES. TO PREVENT EROSION OR "WASHING OUT" OF BACKFILL IN THE TOE OF BANK ANCHOR TRENCH, MATTING SHALL BE INSTALLED SO THAT IT WRAPS OVER THE DEAD STOUT STAKE AND BACKFILL, THUS POSITIONING THE REMAINING MATTING FOR INSTALLATION UP THE STREAM BANK.
 3. THE SLOPE AND/OR STREAM BANK SHALL BE PREPARED (GRADED, TILLED, SMOOTHED, ETC.) AND SEEDED AND MULCHED AS SPECIFIED BY THE DESIGNER PRIOR TO THE PLACEMENT OF THE MATTING.
 4. THE MATTING SHALL BE INSTALLED SO AS TO NOT BE IN TENSION, BUT BE PLACED NEATLY, FLUSH AGAINST THE SOIL, AND WITH NO GAPS OR WRINKLES.
 5. ANY MATTING OVERLAPS NECESSARY SHALL BE OF A LENGTH SPECIFIED BY THE MANUFACTURER OR AS OTHERWISE SPECIFIED BY THE DESIGNER. ALSO, OVERLAPS SHALL BE ORIENTED IN A DOWN-SLOPE DIRECTION, DOWNSTREAM DIRECTION, OR OTHERWISE "SHINGLE-STYLE" IN ACCORDANCE WITH THE DIRECTION OF THE DOMINANT EROSION ACTION SO THAT THE MATTING END IS PROTECTED AGAINST MOVEMENT.
 6. THE FIELD OF THE MATTING OVER THE SURFACE OF THE SLOPE AND/OR STREAM BANK SHALL BE SECURED WITH MATTING STAKES OF A SIZE AND TYPE, IN A PATTERN, AND WITH SPACING DIMENSIONS AS SPECIFIED BY THE MANUFACTURER OR AS OTHERWISE SPECIFIED BY THE DESIGNER.
 7. MATTING SHALL BE NEATLY SECURED AROUND ANY PROJECT STRUCTURES, STRUCTURE ARMS, AND/OR SILLS TO PREVENT ANY LOOSE OR FRAYED EDGES.
 8. THERE SHALL BE NO LOOSE ENDS OR UNSECURED MATTING ON THE COMPLETED WORK.
 9. THE PLAN VIEW ILLUSTRATES A PERPENDICULAR PERSPECTIVE OF EACH SURFACE DEPICTED IN THE CROSS SECTION. THERE IS NO FORESHORTENING OF THE STREAM BANK (OR ANY OTHER SLOPED SURFACE) IN THE PLAN VIEW.

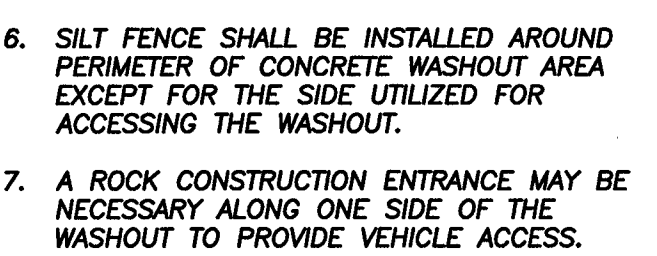
DIMENSIONS (VALUES TO BE PROVIDED BY DESIGNER)			
VARIABLE	VALUES	TYPICAL UNIT	DESCRIPTION
X1	2.0-4.0	FT.	MATTING HEIGHT (SPECIFY RANGE IF HEIGHT VARIES)
X2	6	IN.	MATTING OVERLAP
X3	6	IN.	MATTING RELATIONSHIP TO APPROXIMATE BASE FLOW WATER LEVEL
X4	3	FT.	MATTING STAKE SPACING
X5	3	FT.	DEAD STOUT STAKE SPACING IN ANCHOR TRENCHES
X6	12	IN.	TOP OF BANK ANCHOR TRENCH SETBACK FROM TOP OF BANK
X7	12	IN.	ANCHOR TRENCH DEPTH
X8	6	IN.	ANCHOR TRENCH WIDTH
X9	12	IN.	DEAD STOUT STAKE LENGTH



1/37 EROSION CONTROL MATTING NOT TO SCALE



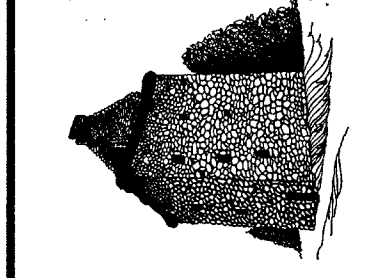
- NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
 2. INSTALL CONCRETE WASHOUT SIGN (24"x24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
 4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
 5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.



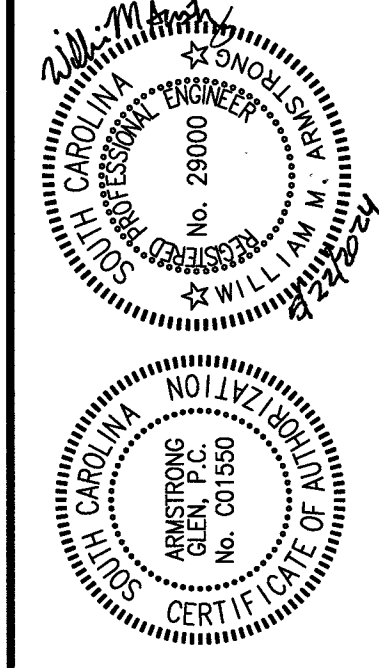
South Carolina Department of Health and Environmental Control
 CONCRETE WASHOUT STRAW BALES OR ABOVE GROUND
 STANDARD DRAWING NO. RC-07 PAGE 1 of 1
 NOT TO SCALE FEBRUARY 2014 DATE

2/37

Plans Prepared By:
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NO.	DATE	BY	DESCRIPTION



22106	SCALE	
JOB NO.	CHECKED BY	
22106/CATAWBA BEND ENTRANCE ROAD/ASD/WMA	DATE	05/21/2024
CAD FILE PATH	PREPARED BY	
D/C	WMA	
	APPROVED BY	

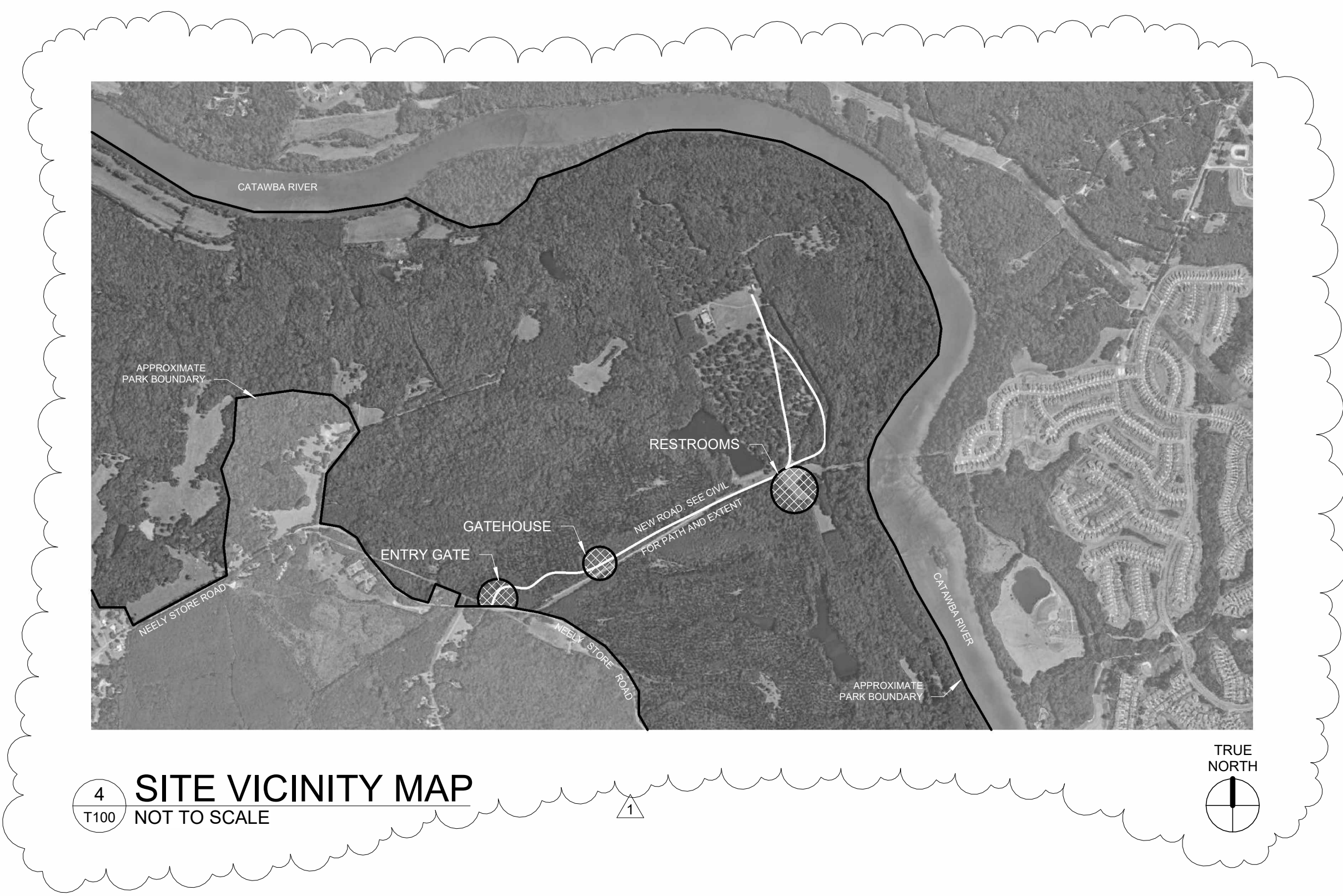
SHEET **37** OF **82**

CATAWBA BEND PRESERVE LOOP ROAD PHASE 1

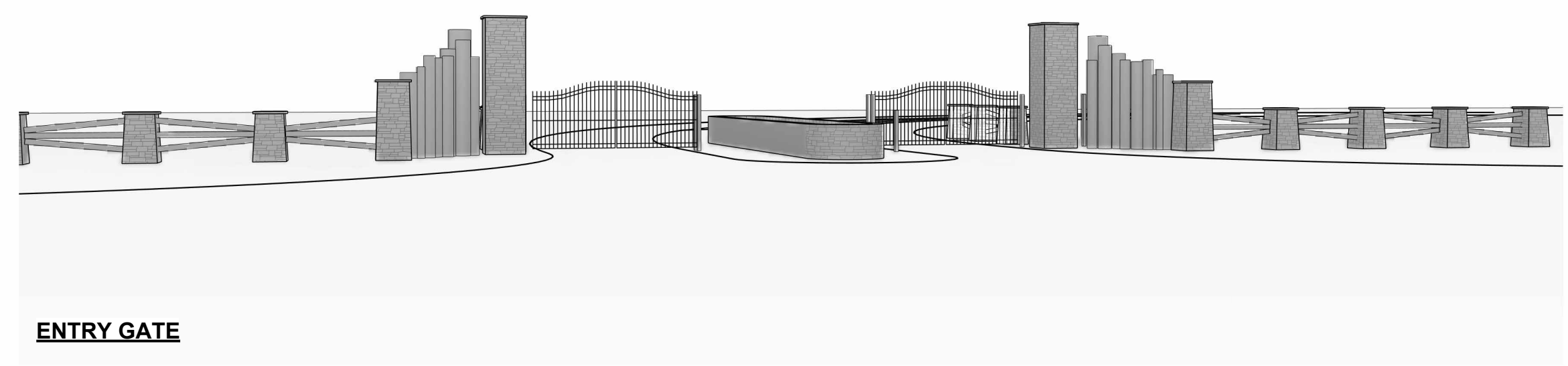
EROSION CONTROL DETAILS

CATAWBA BEND PRESERVE PHASE 1

**SUBMITTED FOR:
CONSTRUCTION DOCUMENTS
MARCH 8, 2024**



4 SITE VICINITY MAP
1/100 / NOT TO SCALE



ENTRY GATE



GATEHOUSE



RESTROOMS

OWNER:
YORK COUNTY
6 SOUTH CONGRESS STREET
YORK, SC 29745

ARCHITECT:
CRAIG GAULDEN DAVIS, INC.
19 WASHINGTON PARK
GREENVILLE, SOUTH CAROLINA 29601

**LANDSCAPE ARCHITECTURE, CIVIL AND
STRUCTURAL ENGINEERING:**
ADC ENGINEERING, INC.
25 WOODS LAKE ROAD, SUITE 210
GREENVILLE, SC 29607

HVAC & PLUMBING ENGINEER:
STEPHENS ENGINEERING & CONSULTING, LLC
130 HERITAGE LANE
EASLEY, SC 29642

ELECTRICAL ENGINEER:
BURDETTE ENGINEERING, INC.
200 REGENT PARK COURT
GREENVILLE, SC 29607

DRAWING LIST

T100	TITLE SHEET
GENERAL	
G101	GENERAL NOTES AND LEGENDS
G102	ACCESSIBILITY STANDARDS
LIFE SAFETY	
LS101	LIFE SAFETY PLAN
LANDSCAPE	
L100	SITE PLAN - OVERALL
L201	SITE & DIMENSION PLAN - ENTRANCE
L202	SITE & DIMENSION PLAN - ENTRANCE GATE
L203	SITE & DIMENSION PLAN - RESTROOMS
L300	LANDSCAPE PLANTING PLAN - OVERALL
L301	LANDSCAPE PLANTING PLAN - ENTRANCE
L302	LANDSCAPE PLANTING PLAN - ENTRANCE GATE
L303	LANDSCAPE PLANTING PLAN - RESTROOMS
L400	LANDSCAPE PLANTING DETAILS, SCHEDULES, & NOTES
L401	LANDSCAPE SITE DETAILS
L402	LANDSCAPE SITE DETAILS
CIVIL	
C301	GRADING PLAN
C401	UTILITY PLAN
C640	CIVIL DETAILS - UTILITY
C641	CIVIL DETAILS - UTILITY

ARCHITECTURAL

A101	GATEHOUSE - PLANS & SCHEDULES
A102	GATEHOUSE - ELEVATIONS & SECTIONS
A103	GATEHOUSE - PLAN DETAILS
A104	GATE HOUSE - SECTION DETAILS
A110	TOILET BUILDING - PLANS & SCHEDULES
A111	TOILET BUILDING - CEILING & ROOF PLANS
A112	TOILET BUILDING - ELEVATIONS & SECTIONS
A113	TOILET BUILDING - WALL SECTIONS
A114	TOILET BUILDING - SECTION DETAILS
A120	ENTRY GATE
A201	ASSEMBLIES
A701	FINISH SCHEDULE & MILLWORK DETAILS

STRUCTURAL

S001	GENERAL NOTES
S101	FOUNDATION AND SLAB PLANS
S111	WALL AND FRAMING PLANS
S601	TYPICAL CONCRETE DETAILS
S611	TYPICAL MASONRY DETAILS
S612	TYPICAL MASONRY DETAILS
S621	TYPICAL STEEL DETAILS
S671	TYPICAL WOOD DETAILS
S672	TYPICAL WOOD DETAILS
S701	SECTIONS AND DETAILS

MECHANICAL

M001	HVAC SCHEDULES
M101	HVAC PLANS

PLUMBING

P001	PLUMBING FIXTURE SCHEDULE AND NOTES
P101	PLUMBING PLANS

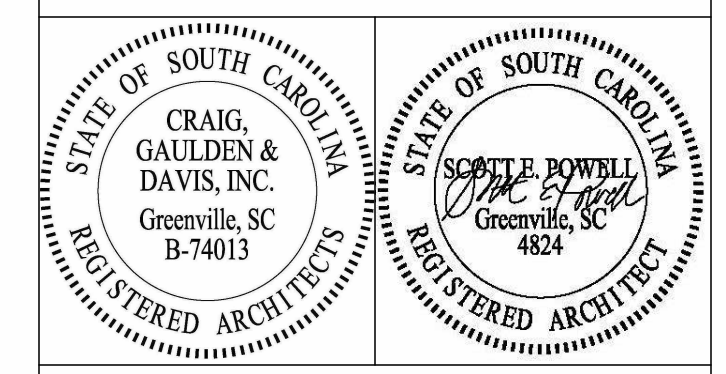
ELECTRICAL

E002	ELECTRICAL DETAILS AND SCHEDULES
E101	ELECTRICAL SITE PLAN
E201	ELECTRICAL LIGHTING PLAN
E301	ELECTRICAL POWER PLAN

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CONSULTANT

YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

3271 Neely Store Road
Rock Hill, SC 29730

DATE	MARK	DESCRIPTION
04.19.24	1	Permit and Owner Comments

ISSUE: CONSTRUCTION DOCUMENTS	
DATE:	03.08.2024
PROJECT NO:	23037
DRAWN BY:	CSM
CHECKED BY:	CAG

TITLE SHEET

T100

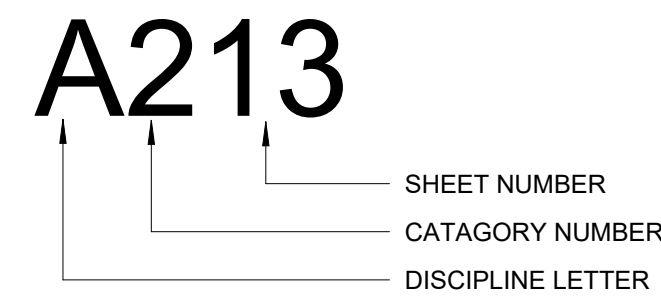
Autodesk Docs://Catawba Bend Entrance and Restrooms/Catawba Bend - Entrance & Restrooms/2024.11 PM

PROJECT ABBREVIATIONS LEGEND

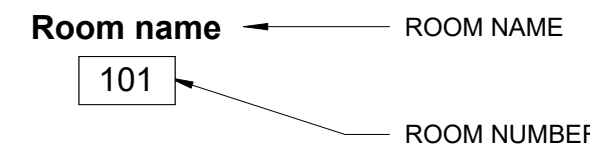
AB ANCHOR BOLT	GA GAUGE	R RISER
AC AC AIR CONDITIONING(ED)	GALV GALVANIZED	TR THERMAL RESISTANCE
ACS ACCESS	GB (GB-) GRAB BAR	RD RAD RADIUS
ACST ACOUSTICAL	GEN GENERAL	RB (RB-) RUBBER BASE
ACP (ACP-) ACCESS FIBER REINFORCED CONCRETE	GFRG GFRP GLASS FIBER REINFORCED	RCP RECESSED CEILING PLAN
ACT (ACT-) ACOUSTICAL CEILING TILE	GL (GL-) GLASS	RD ROOF DRAIN
AD AREA	GD GLD GLASS BLOCK	RFC RECESSED
ADA AMERICANS WITH DISABILITIES ACT	GLU LAM GLUE LAMINATED WOOD	REF REFERENCE
ADH ADHESIVE	GYP GYM GYPSUM PLASTER	REFR REFRIGERATOR
ADJ ADJUSTABLE	GT GREASE TRAP	REINF REINFORCING
ADJ ABOVE FINISHED FLOOR	GWB GYPSUM WALL BOARD	REINF CONC REINFORCED CONCRETE
AGGR AGGRADATE	GYP GYPSUM	REIN REINFORCE
ANCH ANCHOR	H HIGH	RESIL RESILIENT
AHU AIR HANDLING UNIT	HOB HOSE BIBB	REV REVISION
ALT ALTERNATE	HC HOLLOW CORE	RFC RECESSED
ALUM ALUMINUM	HCP HANDICAPPED	RF (RF-) RESILIENT FLOORING
(ALUM-) ANODIZE(D)	HDR HARDWARE	RM ROOM
ANN ANNUNCIATOR	HDWD HARDWOOD	RO ROUGH OPENING
APP APPROXIMATE	HM HOLD OPEN	ROW RIGHT OF WAY
ARCH ARCHITECTURAL	HO HORIZONTAL	RTF (RTF-) RUBBER TILE FLOOR REVEAL
ASPH ASPHALT	HP HIGH POINT	S SOUTH
AUT AUTOMATIC	HR HOUR	SAB SOUND ATTENUATION
AWP (AWP-) ACOUSTICAL WALL PANEL	HT HEIGHT	SB BATT
	HTG HEATING	SAN SANITARY
	HTR HEATER	SC SOLID CORE
	HVAC HEATING, VENTILATION, AIR CONDITIONING	SCHED SCHEDULE
	HW HOT WATER	SOW SOLID CORE WOOD
	HYD HYDRANT	SD (SD-) SOAP DISPENSER
		SECT SECTION
		SF SQUARE FOOT(FEET)
		SGNG SIGNAGE
		SGL SINGLE
		SHT SHEET
		SIM SIMILAR
		SHR SHOWER
		SND (SND-) SANITARY NAPKIN DISPOSAL UNIT
		SP STANDPIPE
		SPEC SPECIFICATION
		SPKR SPEAKER
		SQ SQUARE
		SS (SS-) SOLID SURFACE
		SSS (SSS-) STAINLESS STEEL
		ST (ST-) STAIN
		STA STATION
		STC SOUND TRANSMISSION CLASS
		STD STANDARD
		STL STEEL
		STN (STN-) STONE
		STOR STORAGE
		STR STRUCTURAL
		SUSP SUSPENDED
		SV (SV-) SHEET VINYL SYMMETRIC
		SYMM SYMMETRIC
		T TREAD
		TOP OF TOP OF
		T&B TOP & BOTTOM
		T&G TONGUE & GROOVE
		TB (TB-) TACK BOARD
		TEL TELEPHONE
		TEMP TEMPORARY
		TEMP TERRAZZO
		THK THICK
		THRES THRESHOLD
		TI TIE
		TI IMPROVEMENT
		TMPD TEMPERED
		TOPO TOPOGRAPHY
		TOPO TOPOGRAPHIC
		TRTD TREATED
		TS TUB STEEL
		TSCD TUB SEAT COVER
		TD (TDD-) DISPENSER
		TTD (TTD-) TOILET TISSUE DISPENSER
		TV TELEVISION
		TYP TYPICAL
		U HEAT TRANSFER
		UC COEFFICIENT
		UC UNDER COUNTER
		UCL (UCL-) UNDER CABINET LIGHTING
		UNEXC UNEXCAVATED
		UGND UNDERGROUND
		UH UNIT HEATER
		UL UNDERWRITER'S LABORATORIES
		UNO UNLESS NOTED OTHERWISE
		US UNDERSLAB
		UTIL UTILITY
		VB (VB-) VINYL BASE
		VCT (VCT-) VINYL COMPOSITION TILE
		VENT VENTILATION
		VERT VERTICAL
		VEST VESTIBULE
		VIF VERIFY IN FIELD
		VOL VOLUME
		VNR (VNR-) VENER
		VAP VAPOR RETARDER
		V SHEET
		V (VT) VINYL TILE
		VWC (VWC-) VINYL WALL COVERING
		W WEST
		W/ WITH
		W/O WITHOUT
		WC WATER CLOSET
		WD (WD-) WOOD
		WG (WG-) WALL GUARD
		WH WIDE FLANGE
		WH WATER HEATER
		WI WROUGHT IRON
		WIN WINDOW
		WM WIRE MESH
		WP WATER PROOFING
		W RECP WASTE RECEPTACLE
		WSCT WAINSCOT
		WT WEIGHT
		WWF WELDED WIRE FABRIC
		x BY
		y BY
		YD YARD
		ZN ZINC

SYMBOLS LEGEND

SHEET NUMBER



ROOM NAMES AND NUMBERS



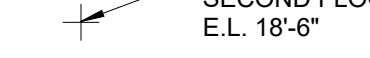
NORTH ARROW



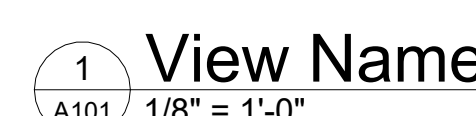
VERTICAL ELEVATION TARGET



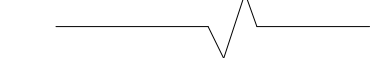
SPOT ELEVATION



DRAWING TITLE



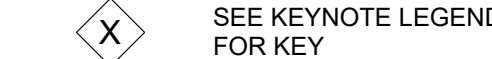
BREAK LINE



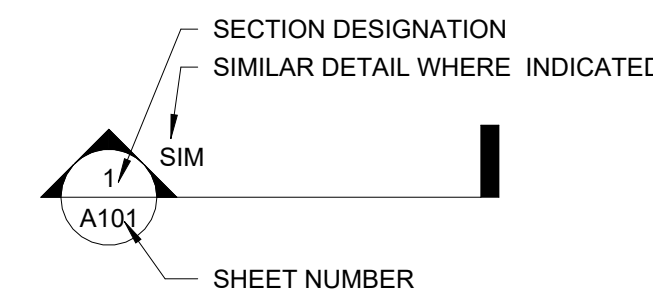
DATUM POINT



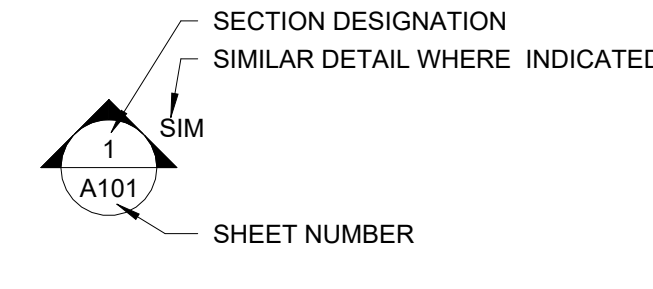
KEY NOTE



SECTION TARGETS



ELEVATION TARGETS



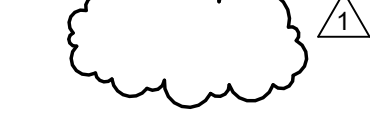
DOOR NUMBERS



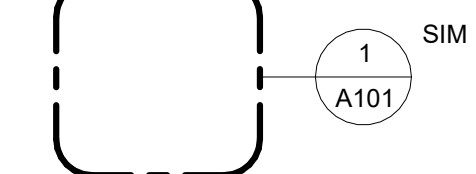
WINDOW TYPE SYMBOLS



DRAWING REVISION



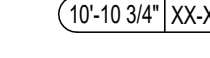
PARTIAL PLAN AND DETAIL TARGETS



PAINT TAG



CEILING HEIGHT TAG



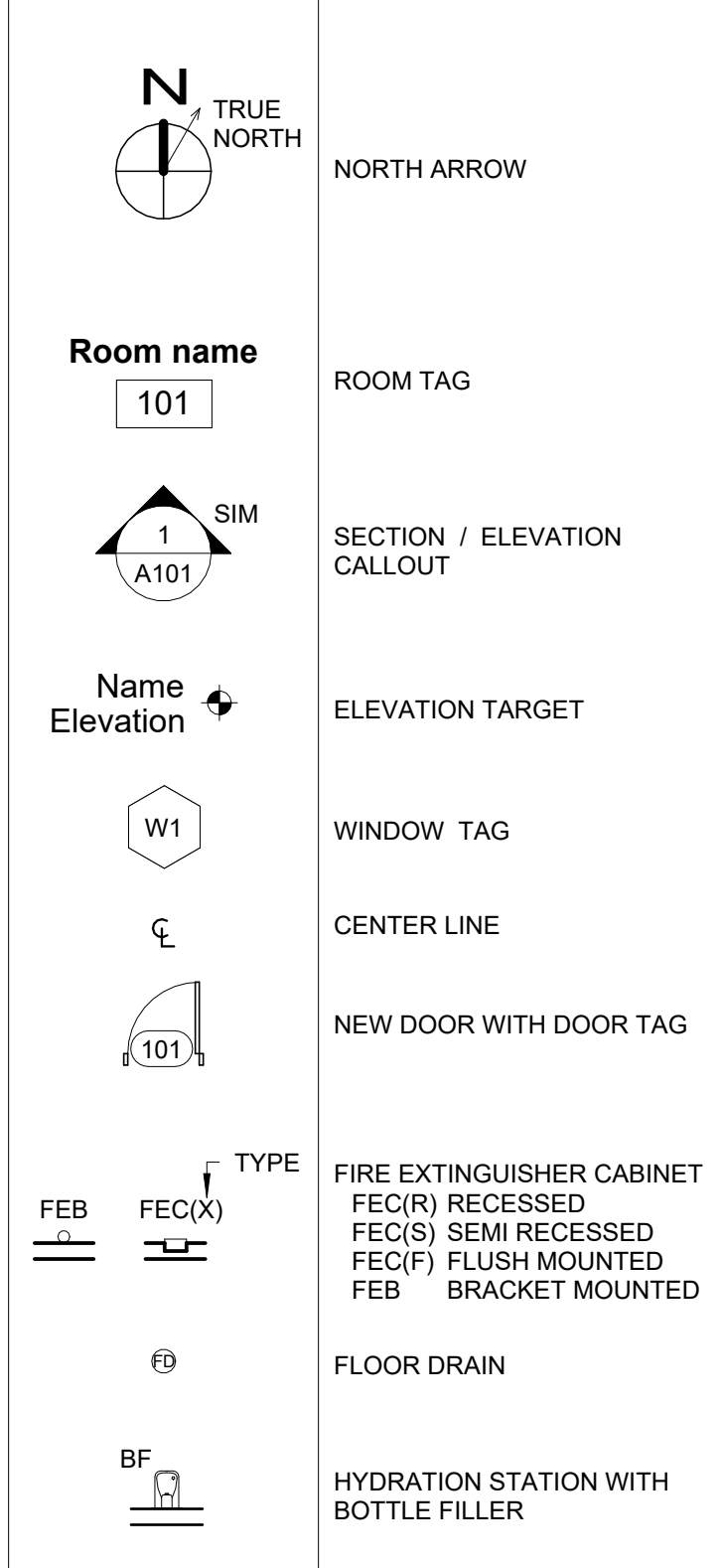
COLUMN GRID



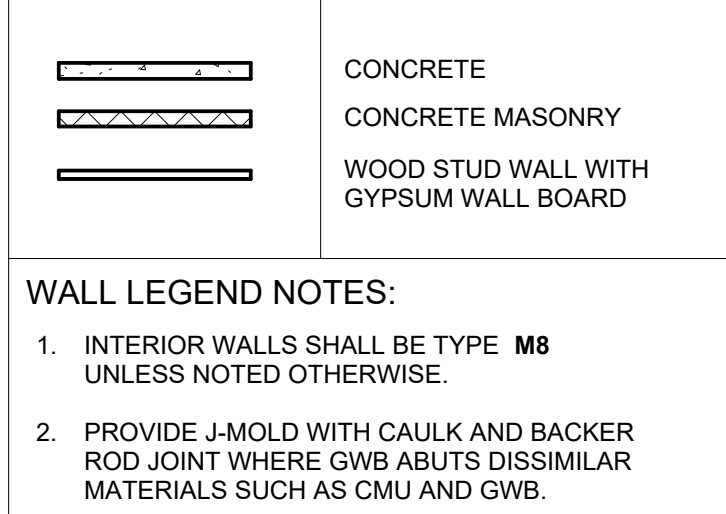
CENTER LINE



FLOOR PLAN LEGEND



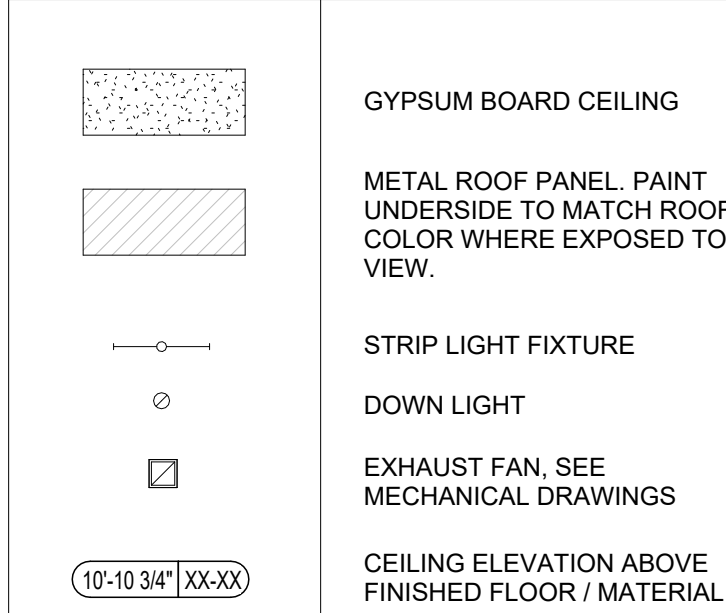
WALL LEGEND



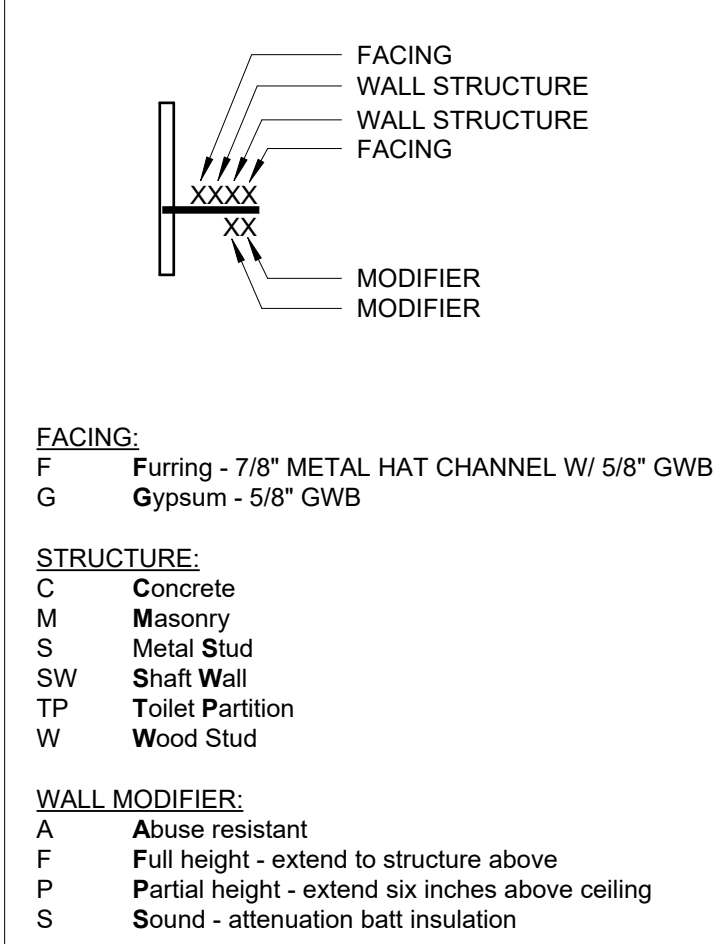
WALL LEGEND NOTES:

- INTERIOR WALLS SHALL BE TYPE M8 UNLESS NOTED OTHERWISE.
- PROVIDE J-MOLD WITH CAULK AND BACKER ROD JOINT WHERE GWB ABUTS DISSIMILAR MATERIALS SUCH AS CMU AND GWB.

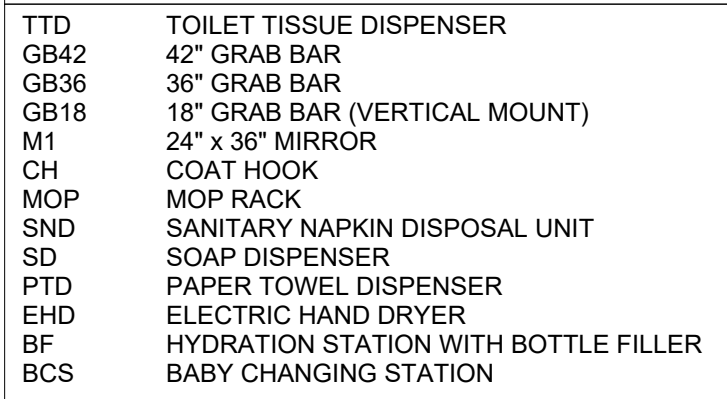
REFLECTED CEILING PLAN LEGEND



WALL TYPES LEGEND



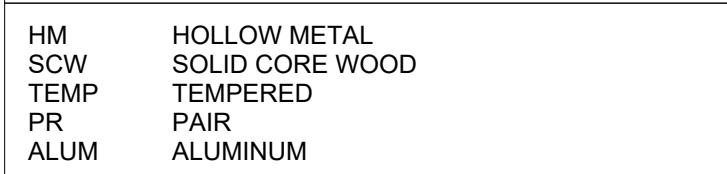
TOILET ACCESSORY LEGEND



TOILET ACCESSORY NOTES

- GC SHALL FURNISH AND INSTALL 24 WOOD BLOCKING AS REQUIRED TO SECURELY FASTEN ALL TOILET ACCESSORIES.
- OUTSIDE CORNER OF CMU WALLS SHALL BE BULLNOSED UNLESS NOTED OTHERWISE.

DOOR ABBREVIATION LEGEND



PROJECT NOTES

- COORDINATION**
- CO-1. PROVIDE WOOD BLOCKING IN STUD OR OTHER HOLLOW WALLS AND OR SHEET METAL PLATES FOR ATTACHMENT OF WALL MOUNTED ACCESSORIES SUCH AS SHELVING, CASEWORK, GRAB BARS, TOILET ACCESSORIES, TOILET PARTITIONS, WALL MOUNTED LIGHT FIXTURES, BENCHES, COAT RODS, TELEVISIONS AND AV EQUIPMENT, SECURITY CAMERAS, SLIDING DOOR TRACKS, MARKER BOARDS, MIRRORS, ETC. WOOD BLOCKING SHALL BE FIRE RATED WHERE REQUIRED BY CODE OR THE CODE OFFICIAL.
- CO-2. ALL WALL MOUNTED DEVICES SUCH AS ELECTRICAL RECEPTACLE PLATES, ELECTRICAL SWITCH PLATES, THERMOSTATS, LIGHT FIXTURES, DATA PLATES, SIGNAGE, FIRE ALARM PULL STATIONS, FIRE ALARM HORNS AND STROBES, MOTION DETECTORS, ETC. SHALL BE MOUNTED LEVEL AND PLUMB. WHERE DEVICES ARE ADJACENT TO ONE ANOTHER SUCH AS LIGHT SWITCHES, RECEPTACLES, T-STATS, ETC. THE TOP OF THE DEVICE SHALL ALIGN WITH THE ADJACENT DEVICE.
- CO-3. INFORMATION PERTINENT TO THE SCOPE OF WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, ETC. FOR ADDITIONAL NOTES. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS. NOTES ON ANY ONE SHEET ARE TO BE APPLIED TO RELATED DRAWINGS AND DETAILS.
- CO-4. THE CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL DRAWINGS, ETC. SUPPORT THE ARCHITECTURAL DRAWINGS IN DEFINING THE SCOPE OF WORK OF THE CONTRACT DOCUMENTS. DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE ENGINEERING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE COMMENCING WITH THE WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.
- CO-5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF THE BUILDINGS ON THE SITE.
- CO-6. DO NOT SCALE THE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WITH THE WORK.
- CO-7. THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. HE SHALL INVESTIGATE, VERIFY AND BE FAMILIAR WITH CONDITIONS OF THE PROJECT. HE SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK.
- CO-8. PROVIDE SHOP DRAWINGS AND COORDINATION DRAWINGS TO GUIDE THE FIELD INSTALLATION OF ALL SYSTEMS. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL NOT USE THESE DIAGRAMMATIC CONTRACT DOCUMENTS AS THEIR SHOP AND COORDINATION DRAWINGS.
- CO-9. IT IS THE DESIGN INTENT THAT ALL DEVICES MOUNTED ON WALLS SUCH AS LIGHT SWITCHES, ELECTRICAL RECEPTACLES, THERMOSTATS, TEMPERATURE SENSORS, SECURITY CARD READERS, MOTION DETECTORS, OCCUPANCY SENSORS, FIRE ALARM DEVICES, DIMMING CONTROLS, ETC. SHALL BE FURNISHED IN THE SAME COLOR. THE COLOR OF THESE DEVICES FOR THIS PROJECT SHALL BE COORDINATED WITH THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE THIS REQUIREMENT WITH ALL TRADES.
- CO-10. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- CO-11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE CODES. ENGINEERING SHALL CONFORM TO ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS HAVING JURISDICTION INCLUDING ACCESSIBILITY STANDARDS AND ADA REQUIREMENTS.
- DIMENSIONING**
- D-1. UNLESS OTHERWISE NOTED, DIMENSIONS ARE FROM COLUMN CENTERLINE, CENTER OF INTERIOR STUD, FACE OF EXTERIOR STUD, FACE OF MASONRY / CONCRETE WALLS / STONE VENEER.
- D-2. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE, UNLESS NOTED OTHERWISE.
- ENVELOPE**
- E-1. ALL EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND THE ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED OR WEATHER-STRIPPED TO PREVENT AIR LEAKAGE / INFILTRATION.
- E-2. PROVIDE PHYSICAL METAL SUPPORT FOR FLEXIBLE FLASHING TO MAINTAIN POSITIVE DRAINAGE IN CAVITY WALLS OR ACROSS OTHER VOIDS.
- E-3. FORM END DAMS IN FLASHING AT WINDOW & DOOR HEADS AND OTHER LOCATIONS AS REQUIRED TO DIRECT THE FLOW OF WATER TO THE EXTERIOR.
- E-4. DO NOT SEAL WEEPS OR FLASHING TERMINATIONS TO THE EXTERIOR.
- FINISHES**
- F-1. ENSURE THAT WALL FINISH MATERIALS SUCH AS PAINT ARE COMPATIBLE WITH SEALANT MATERIAL UTILIZED IN THE WALL CONSTRUCTION.
- F-2. PROVIDE ACCESS PANELS IN CEILINGS WHERE REQUIRED FOR ACCESS TO ALL EQUIPMENT AND OR DEVICES. COORDINATE THIS REQUIREMENT WITH THE WORK OF OTHER TRADES SHOWN ON THE DRAWINGS AND IN THE PROJECT MANUAL.
- F-3. IN AREAS INDICATED BY THE FINISH SCHEDULE TO BE PAINTED AND WHERE NO CEILING IS INDICATED, PAINT SHALL EXTEND TO THE BOTTOM OF THE FLOOR OR ROOF STRUCTURE (TYPICAL). REFER TO THE FINISH SCHEDULE FOR PAINTING OF EXPOSED STRUCTURE.
- GLAZING**
- G-1. UNLESS OTHERWISE NOTED, ALL GLAZING SHALL BE SAFETY GLAZING WHEN WITHIN 18" OF THE FLOOR OR WITHIN 36" HORIZONTAL DISTANCE FROM ANY DOOR.
- G-2. PROVIDE HEAT STRENGTHENED AND OR TEMPERED GLASS AS RECOMMENDED BY GLASS MANUFACTURER OR AS REQUIRED BY CODE FOR EACH APPLICATION.
- MISCELLANEOUS**
- M-1. PROVIDE BUILDING ADDRESS NUMBERS FOR THE BUILDING IN THE SCOPE OF WORK. SIGNAGE SPECIFICATION AND LOCATION OF BUILDING ADDRESS NUMBERS SHALL BE COORDINATED WITH THE ARCHITECT.
- M-2. SHOULD THE CONTRACTOR ENCOUNTER ANY MATERIALS IDENTIFIED AS HAZARDOUS MATERIALS HE SHALL IMMEDIATELY REFER TO THE GENERAL CONDITIONS AND NOTIFY THE OWNER AND THE ARCHITECT.
- M-3. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID MOLECULAR BREAKDOWN.
- STRUCTURAL**
- S-1. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBER SIZE & SEISMIC BRACING REQUIREMENTS.
- S-2. THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS AND ADVISE THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- S-3. REFER TO THE STRUCTURAL DRAWINGS FOR LIGHT GAGE, FRAMING REQUIREMENTS FOR ALL EXTERIOR WALL FRAMING CONDITIONS DETAILS SHALL GOVERN IF A CONFLICT SHOULD OCCUR BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS IN REGARDS TO EXTERIOR WALL FRAMING.
- S-4. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBER SIZES.
- WALLS**
- W-1. ALL CMU WALLS AND SOUND RATED PARTITIONS SHALL EXTEND FROM FINISH FLOOR TO WHERE THEY MAY BE SEALED, SUCH AS THE UNDERSIDE OF THE STRUCTURE OR DECK AND SHALL BE ENTIRELY SEALED OFF WITH NON-HARDENING CAULK UNLESS NOTED OTHERWISE. ALL PENETRATIONS, SUCH AS PIPING, MOUNTED DUCTS, ETC. IN SUCH SEALED OFF WALLS OR PARTITIONS, SHALL IN THEMSELVES BE PACKED WITH MINERAL WOOL FIBER INSULATION AND SEALED OFF WITH NON-HARDENING CAULK ALONG THE PERIMETER AS REQUIRED. ENSURE THAT THESE PENETRATIONS ARE SEALED WITH APPROVED MATERIALS IN ACCORDANCE WITH A U.L. DESIGN ASSEMBLY FOR THE WALL RATING.
- W-2. ALL INTERIOR WALLS ARE TO BE 3 1/2" WOOD STUDS WITH ONE LAYER OF 5/8" GYPSUM WALLBOARD & BATT INSULATION UNLESS NOTED OTHERWISE BY A WALL TYPE.
- W-3. IN THE CASE OF NON-RATED PARTITIONS WOOD STUDS AND GYPSUM BOARD SHALL BE EXTENDED THE SAME AS RATED PARTITIONS UNLESS NOTED OTHERWISE BY A WALL TYPE OR NOTE. IN LOCATIONS WHERE GYPSUM BOARD WALLS ARE NOT INDICATED TO EXTEND TO STRUCTURE, GYPSUM BOARD SHALL EXTEND TO 6" ABOVE FINISH CEILING.
- W-4. IN ALL LOCATIONS WHERE CEILINGS ARE NOT SCHEDULED ON ONE SIDE OR BOTH SIDES OF A WALL, THE PARTITION SHALL EXTEND UP TO THE UNDERSIDE OF THE STRUCTURE.
- W-5. ALL PENETRATIONS THROUGH FLOOR SLABS SUCH AS PIPING, CONDUITS, ETC. SHALL BE SEALED WITH COMPATIBLE MATERIALS AND SHALL SEAL AGAINST WALL PENETRATION.
- W-6. ALL OUTSIDE CORNERS AND END OF GYPSUM WALL PARTITIONS SHALL HAVE METAL CORNER BEADS OR METAL TRIM UNLESS NOTED OTHERWISE.
- W-7. EXPOSED CONCRETE WALLS SHALL BE POINTED UP, RUBBED AND PATCHED AS REQUIRED, PRIOR TO THE APPLICATION OF PRIME PAINTING IN ALL LOCATIONS. POINTING UP MATERIALS SHALL BE THE SAME TYPE OF MATERIAL AS THE WALL CONSTRUCTION.
- W-8. UNLESS NOTED OTHERWISE, ALL DOOR AND CASED OPENING FRAMES TO BE MOUNTED 6" OFF OF ADJACENT WALL AT DRYWALL PARTITIONS AND 8" OFF OF ADJACENT WALL AT MASONRY PARTITIONS OR CENTERED ON WALL. STRIKE SIDE OF DOOR MUST MEET ADA REQUIREMENTS IN ALL LOCATIONS.

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REGISTERED ARCHITECTS
GREENVILLE, SC 29615

YORK COUNTY

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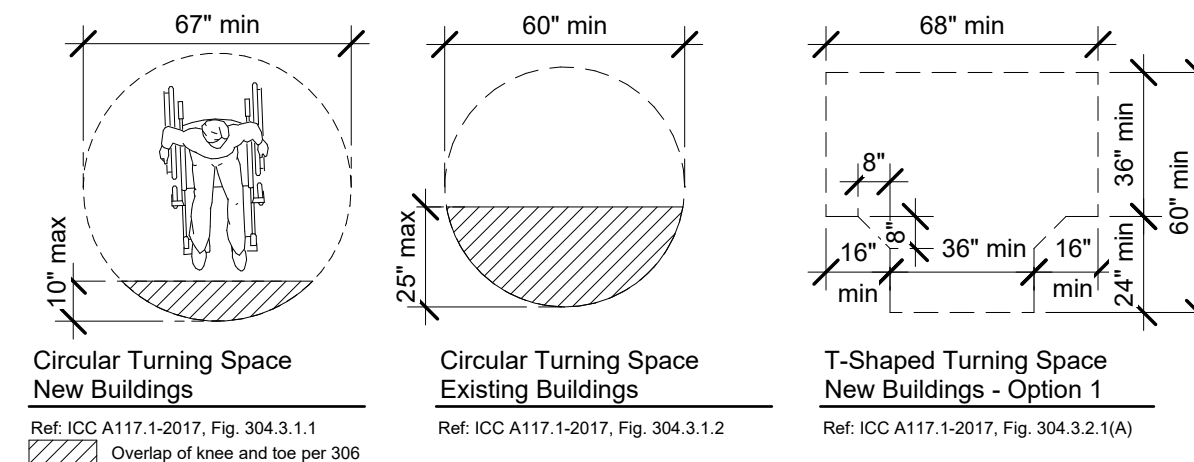
3271 Neely Store Road
Rock Hill, SC 29730

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
PROJECT NO: 23037
DRAWN BY: CGD
CHECKED BY: CGD

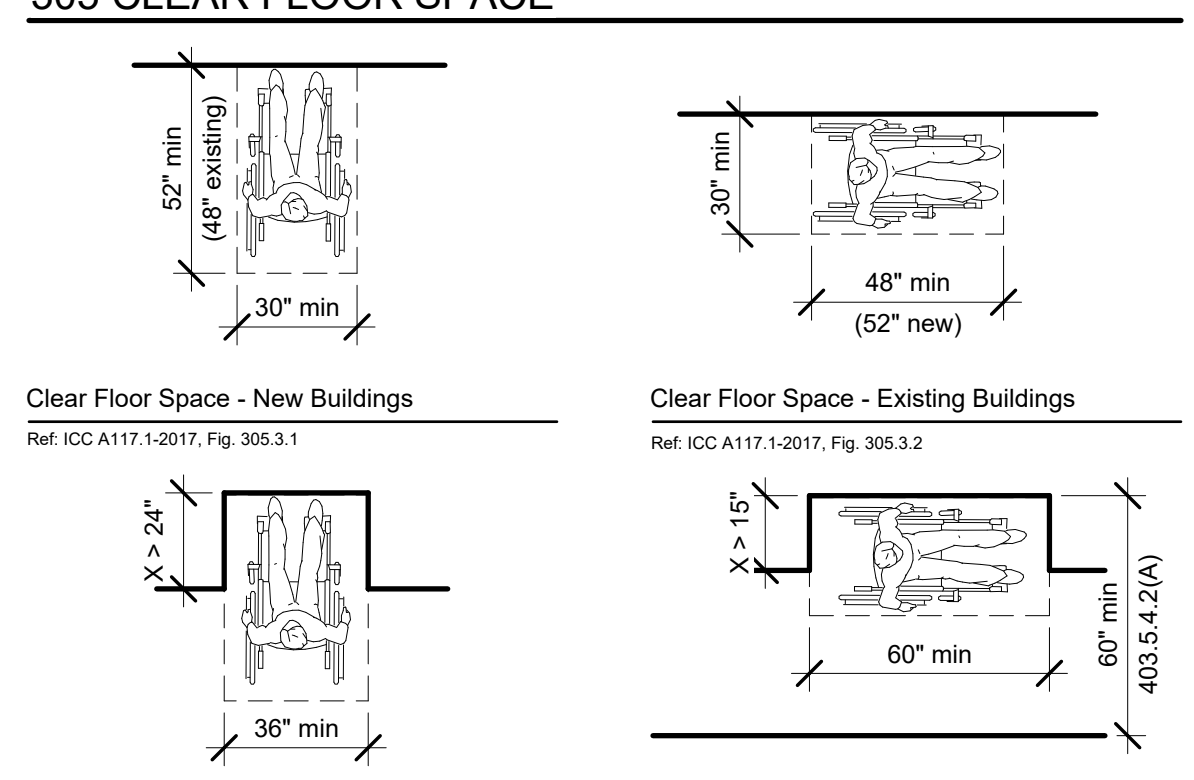
GENERAL NOTES AND LEGENDS

G101

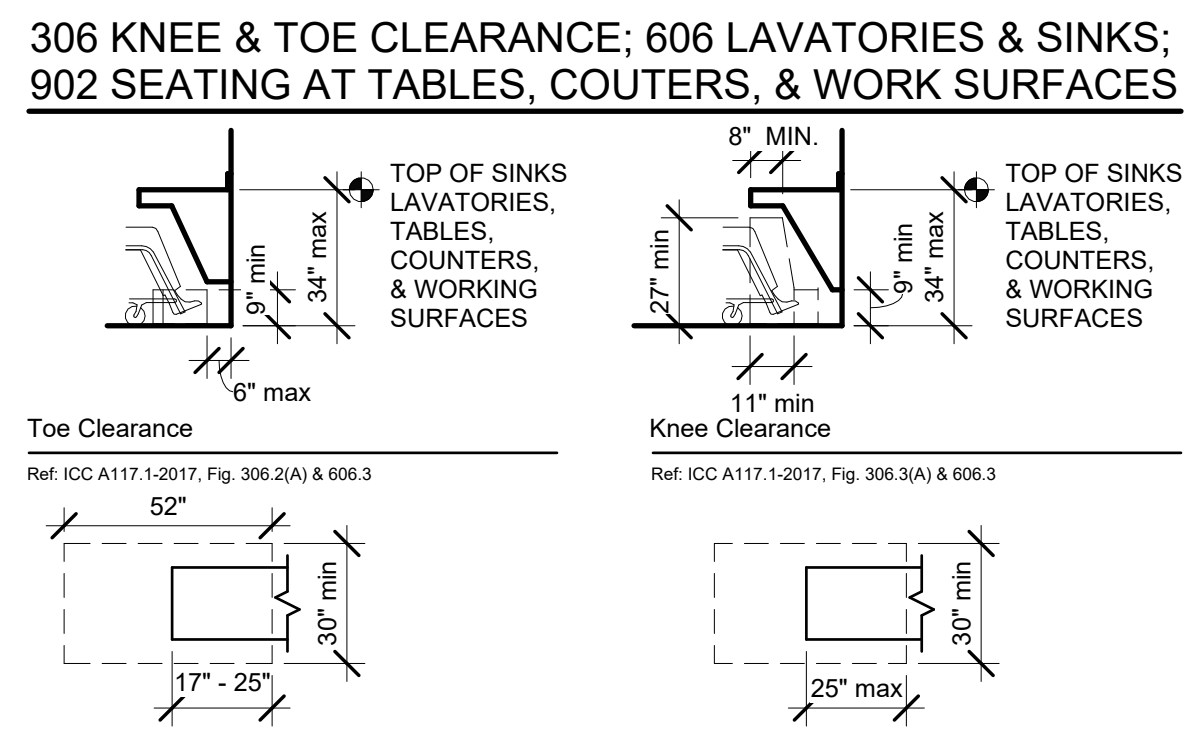
304 WHEELCHAIR TURNING SPACE



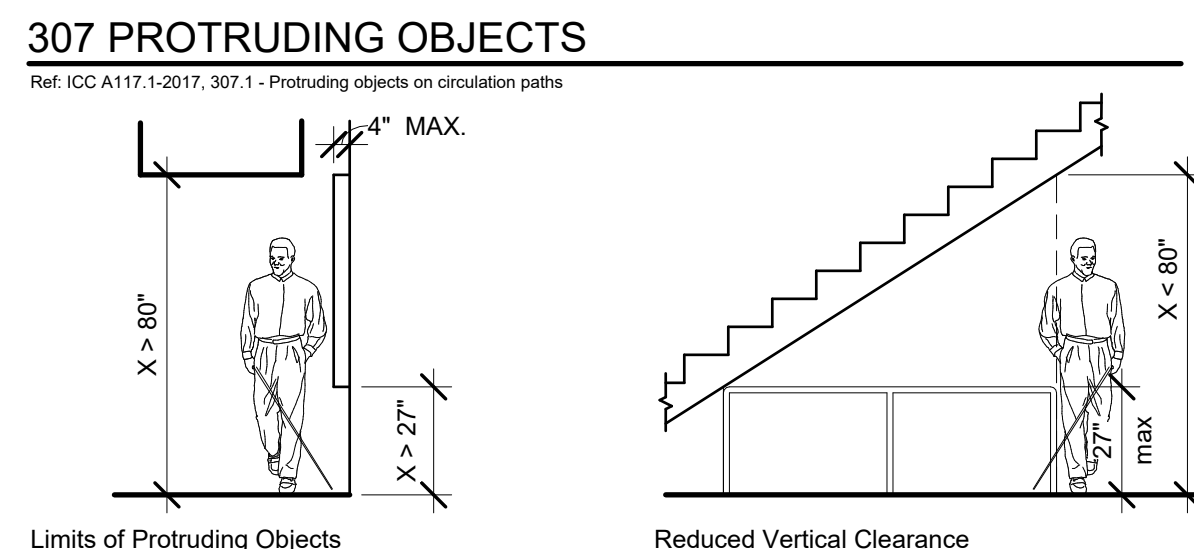
305 CLEAR FLOOR SPACE



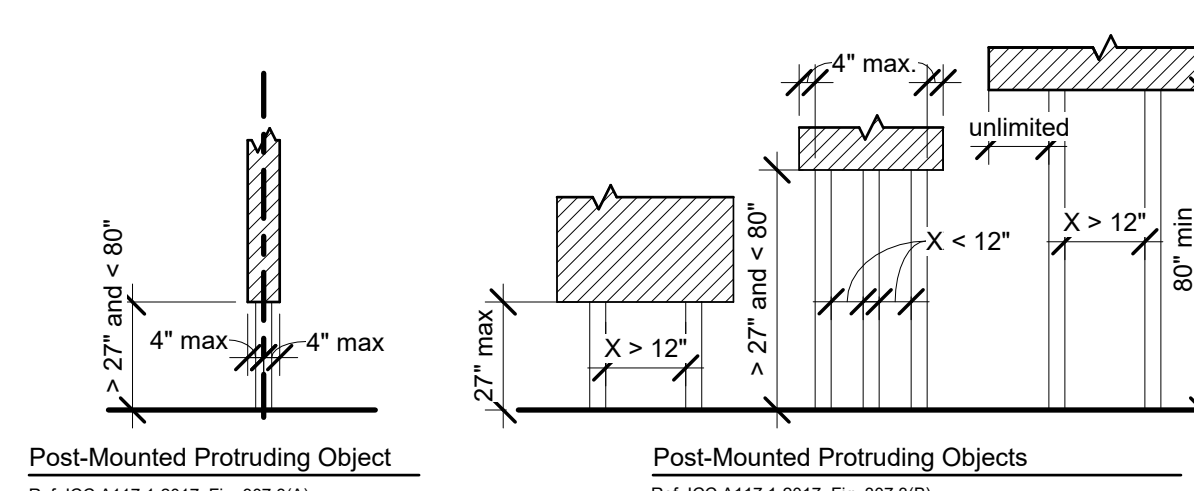
306 KNEE & TOE CLEARANCE; 606 LAVATORIES & SINKS; 902 SEATING AT TABLES, COUNTERS, & WORK SURFACES



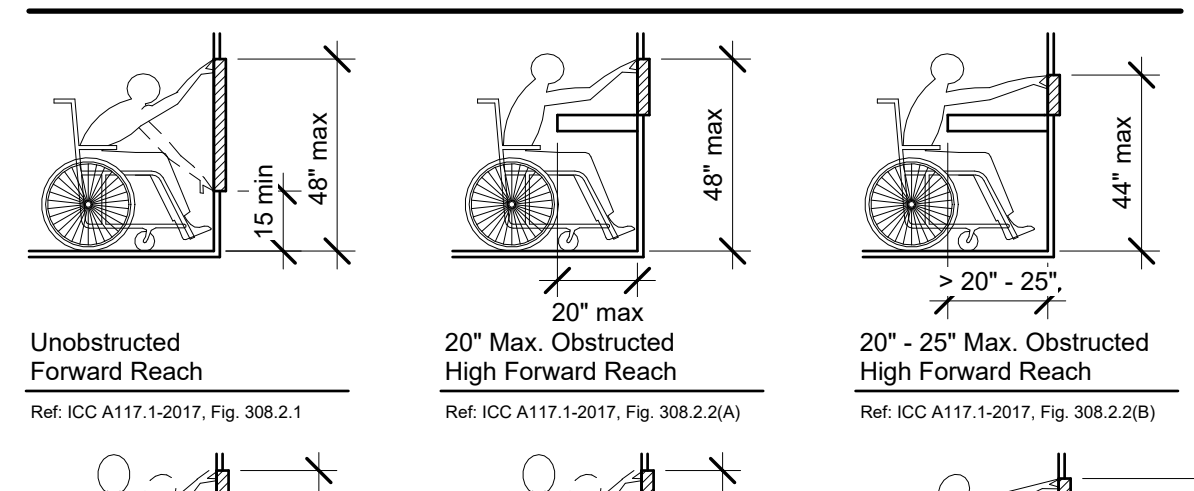
307 PROTRUDING OBJECTS



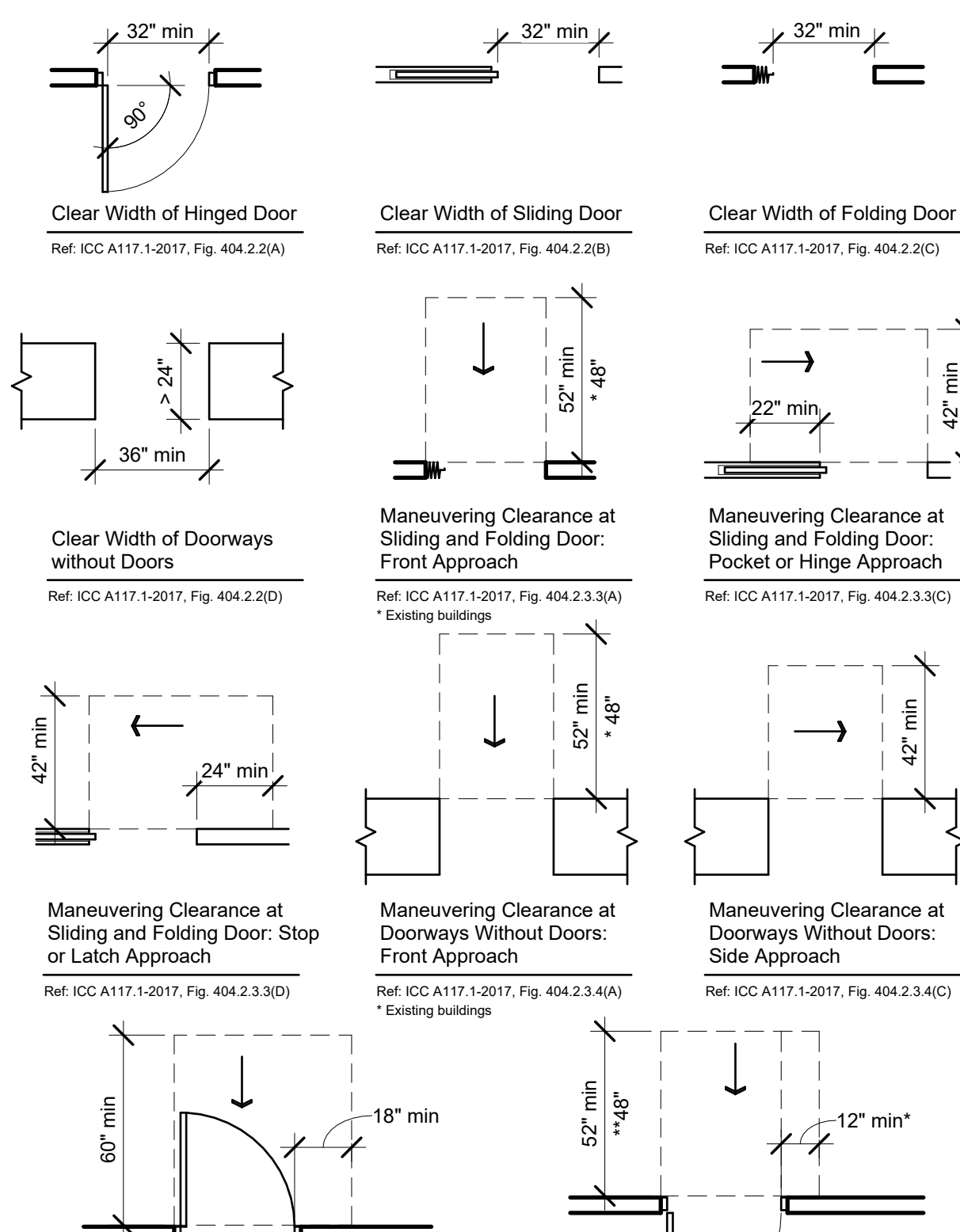
308 REACHING RANGES



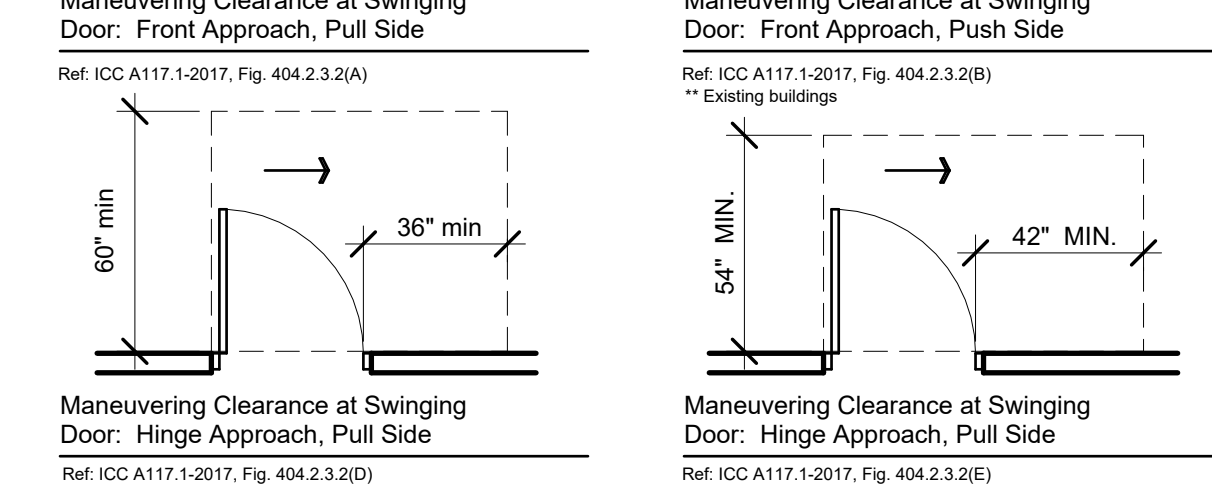
403 WALKING SURFACES



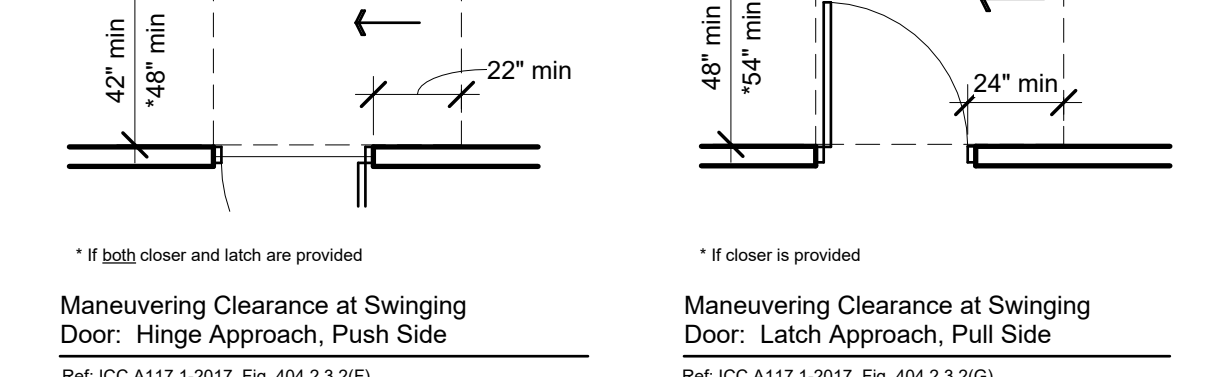
404 DOORS AND DOORWAYS



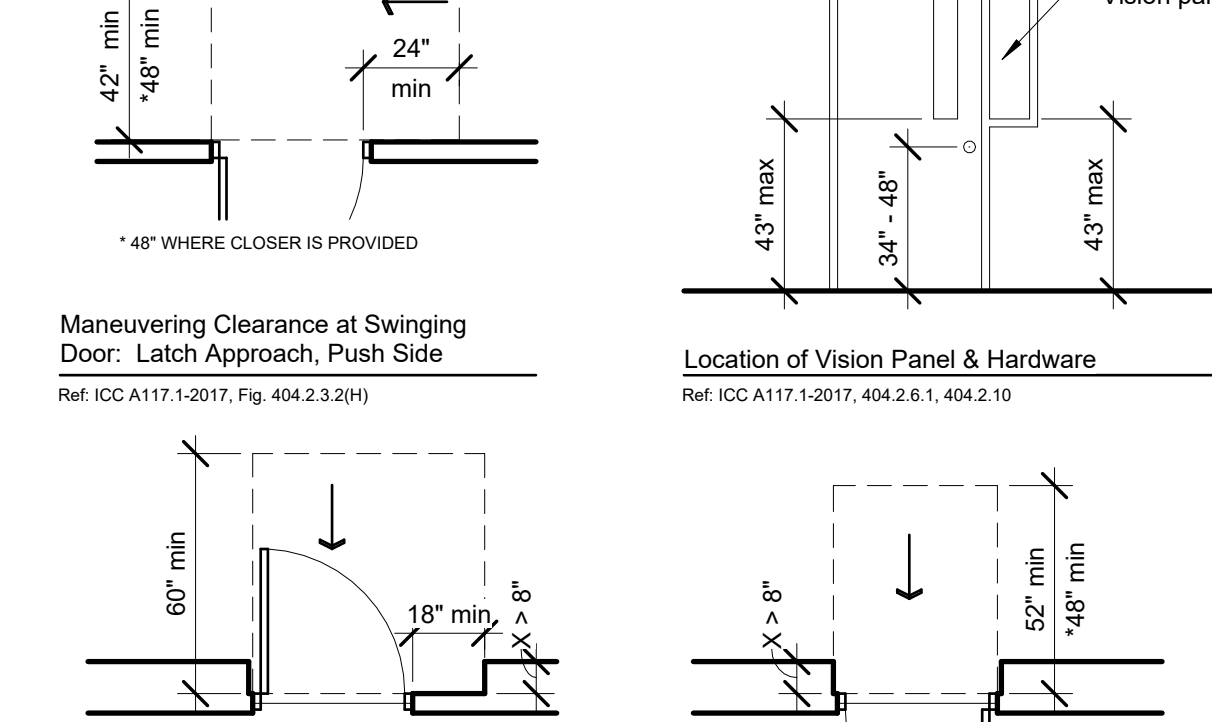
502 PARKING SPACES



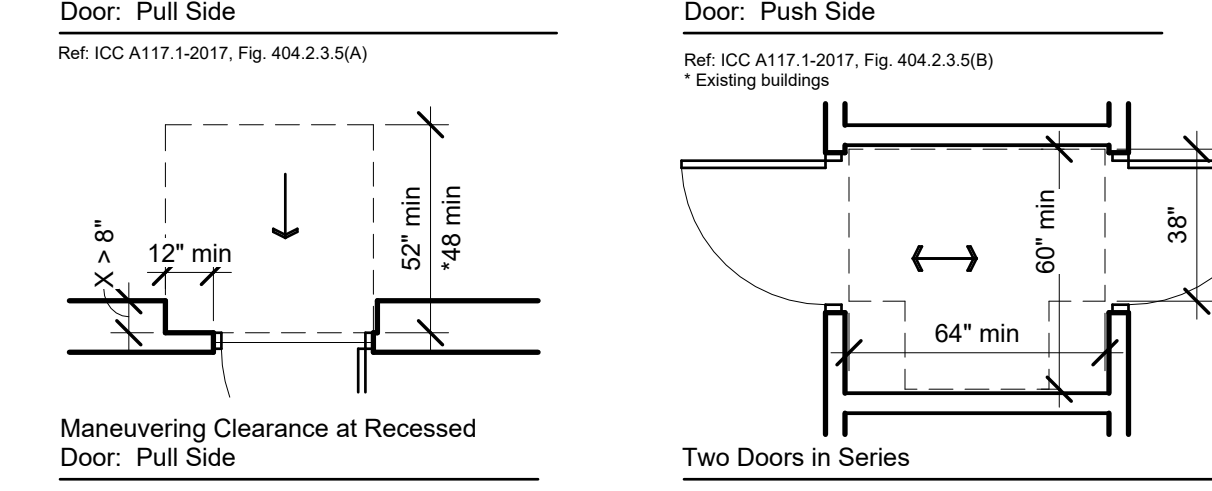
503 PASSENGER LOADING ZONE



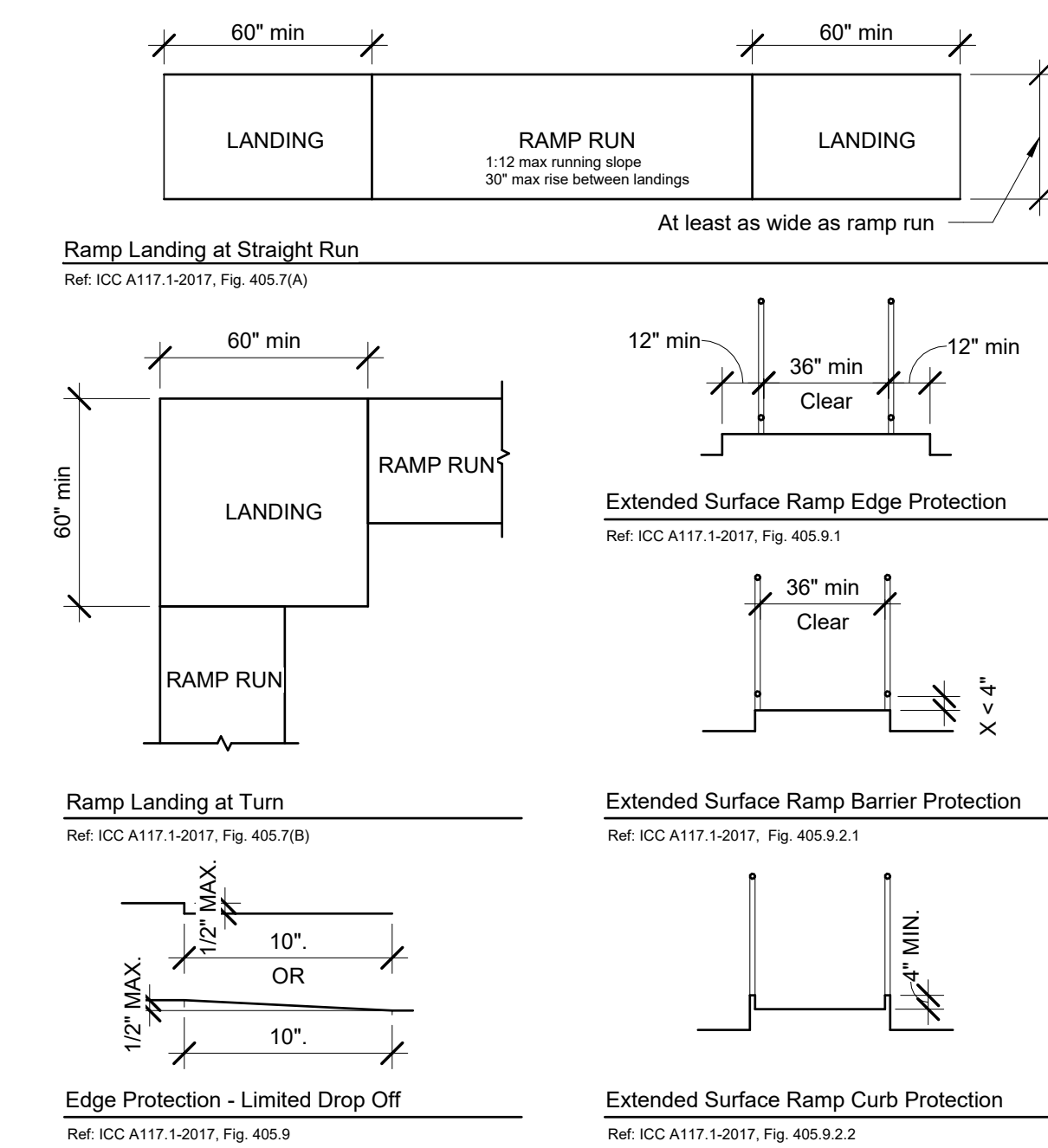
505 HANDRAILS



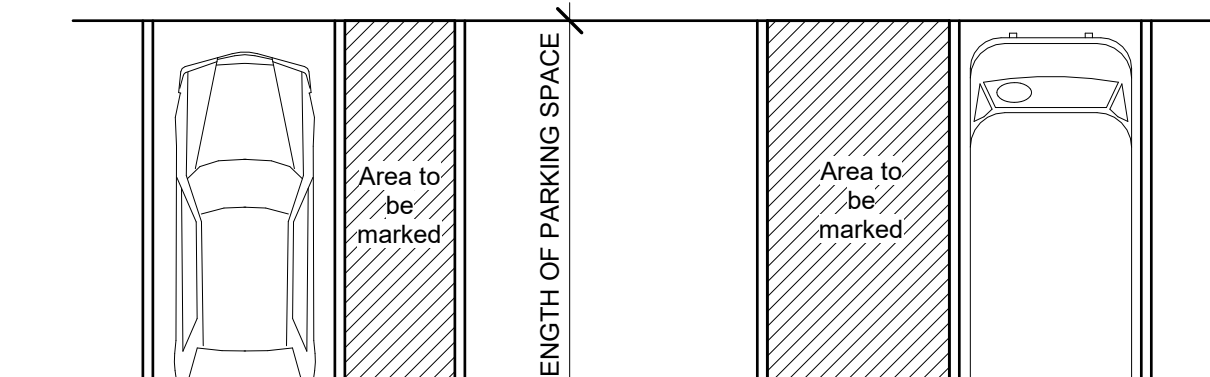
504 STAIRWAYS



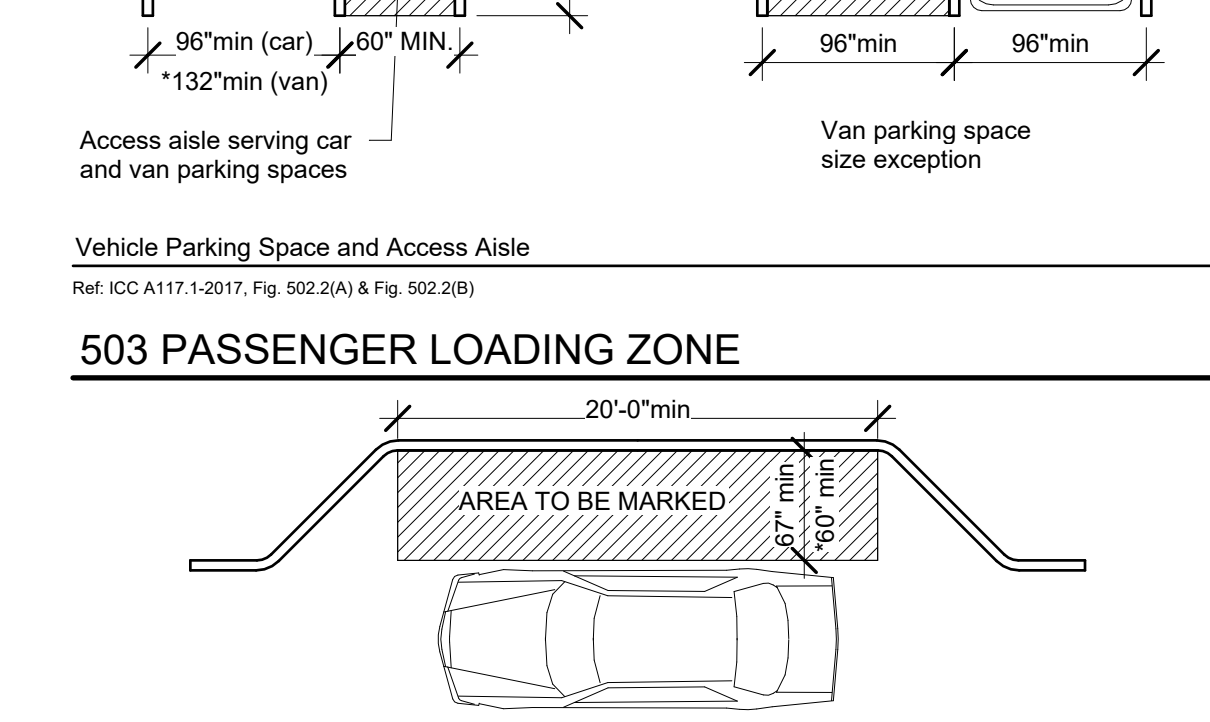
405 RAMPS



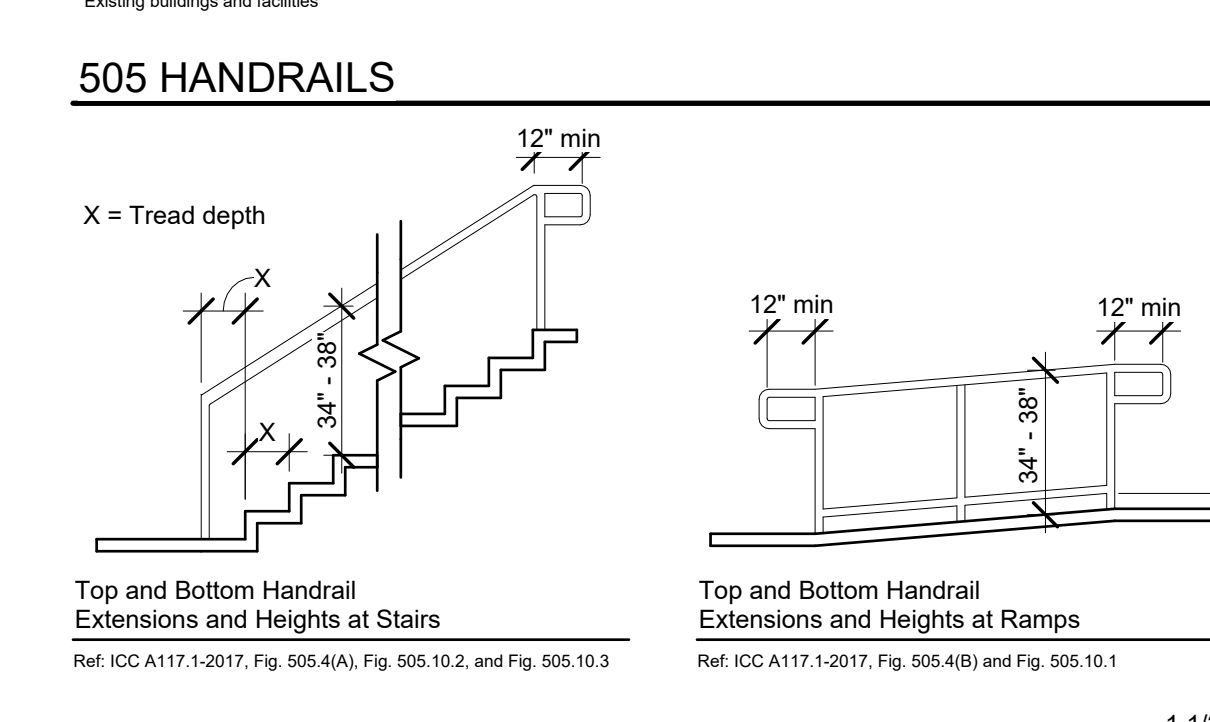
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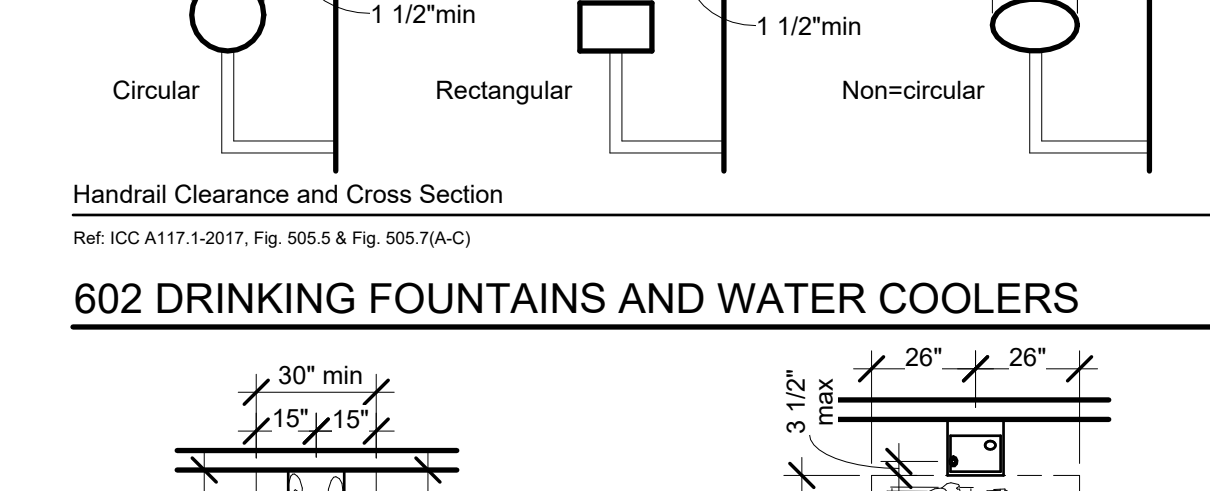
505 HANDRAILS



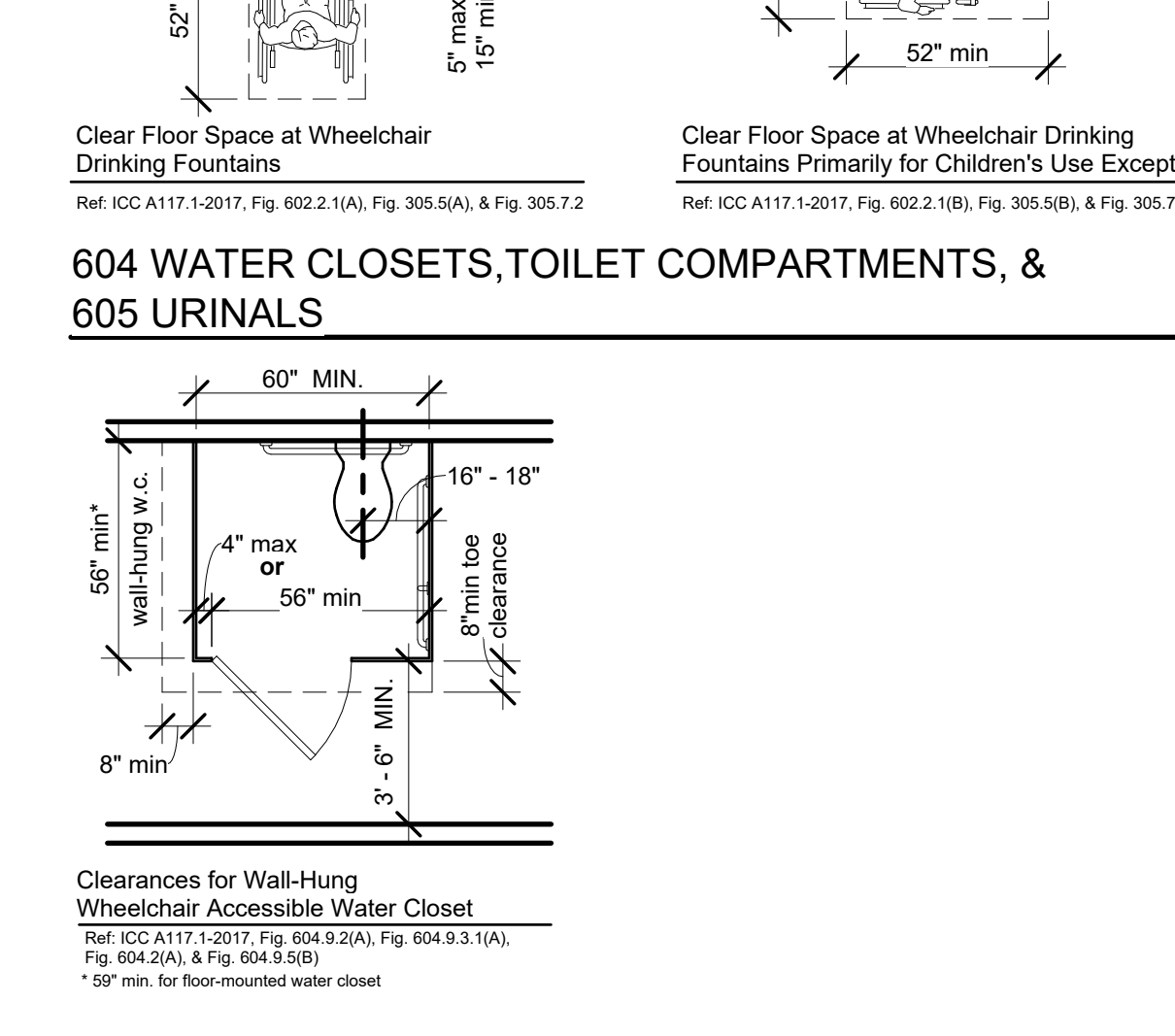
505 HANDRAILS



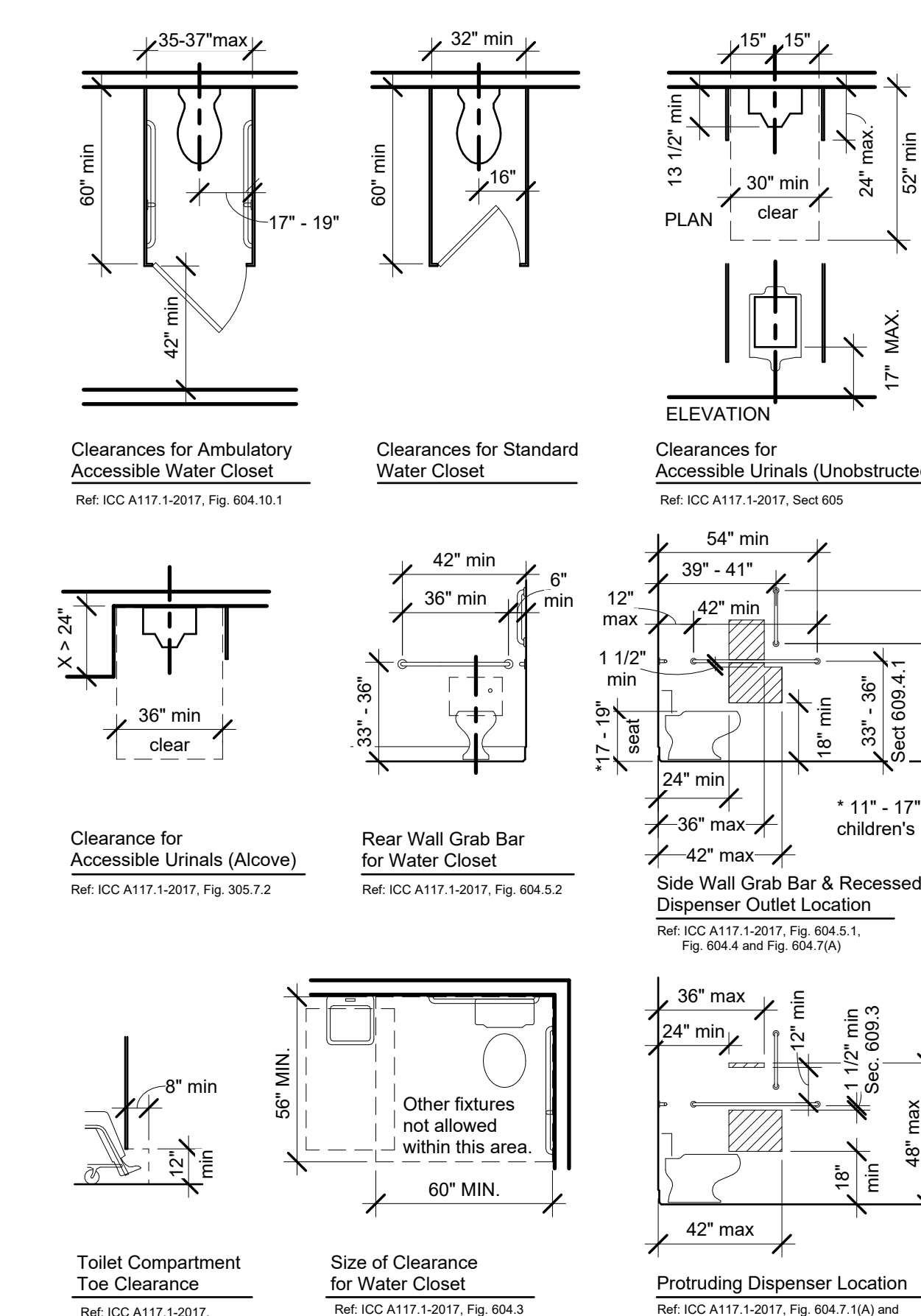
602 DRINKING FOUNTAINS AND WATER COOLERS



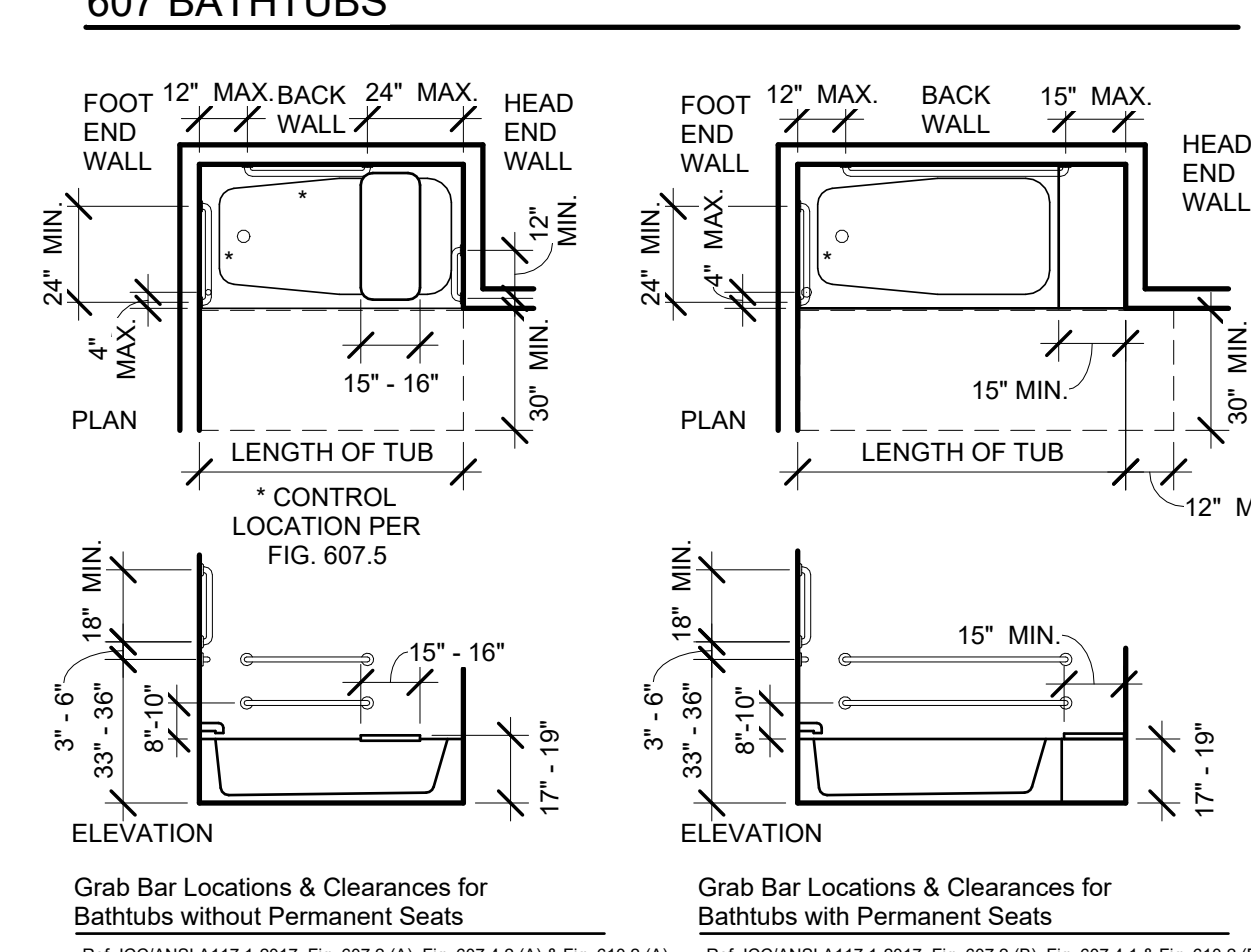
604 WATER CLOSETS, TOILET COMPARTMENTS, & 605 URINALS



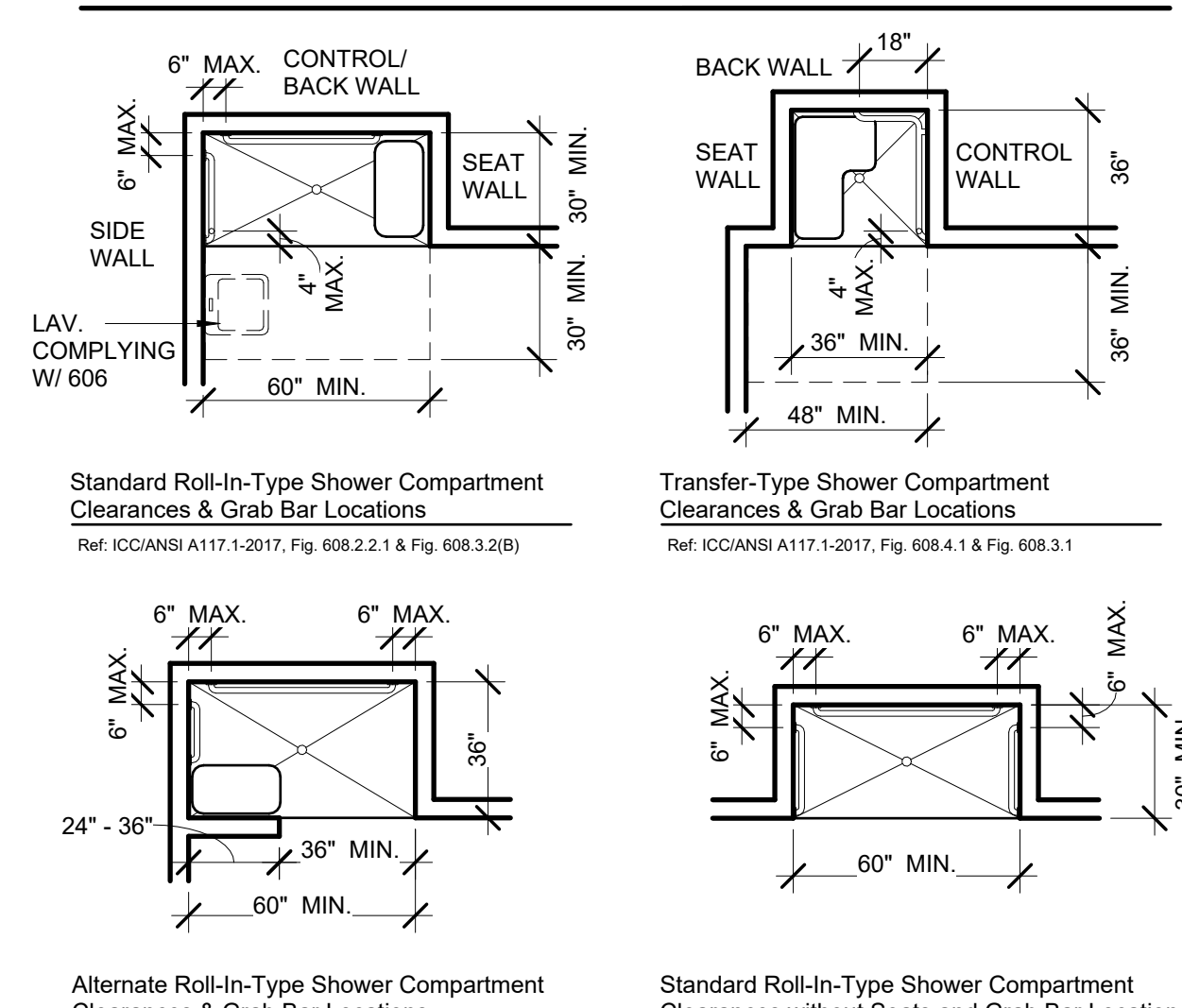
604 WATER CLOSETS, TOILET COMPARTMENTS, & 605 URINALS Cont.



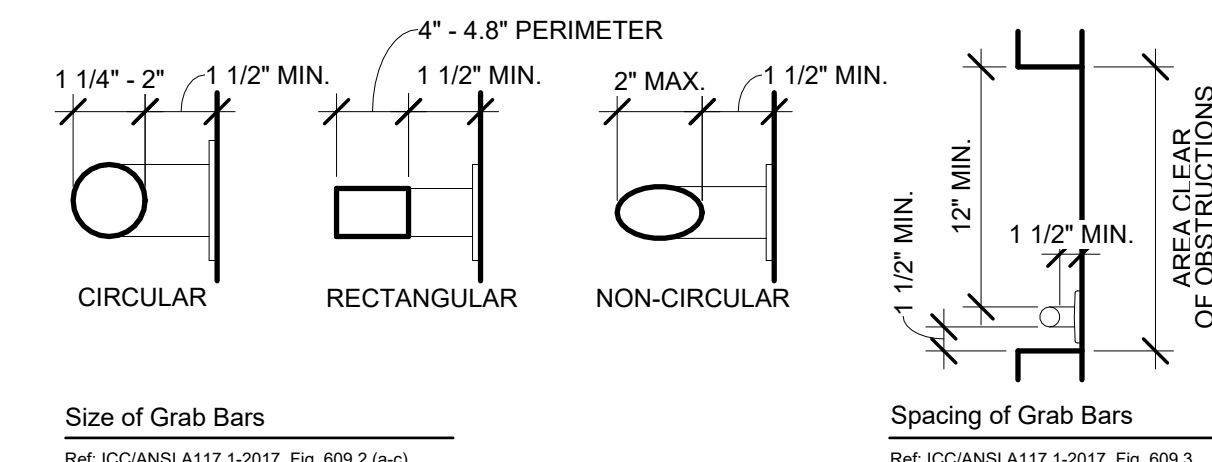
607 BATHTUBS



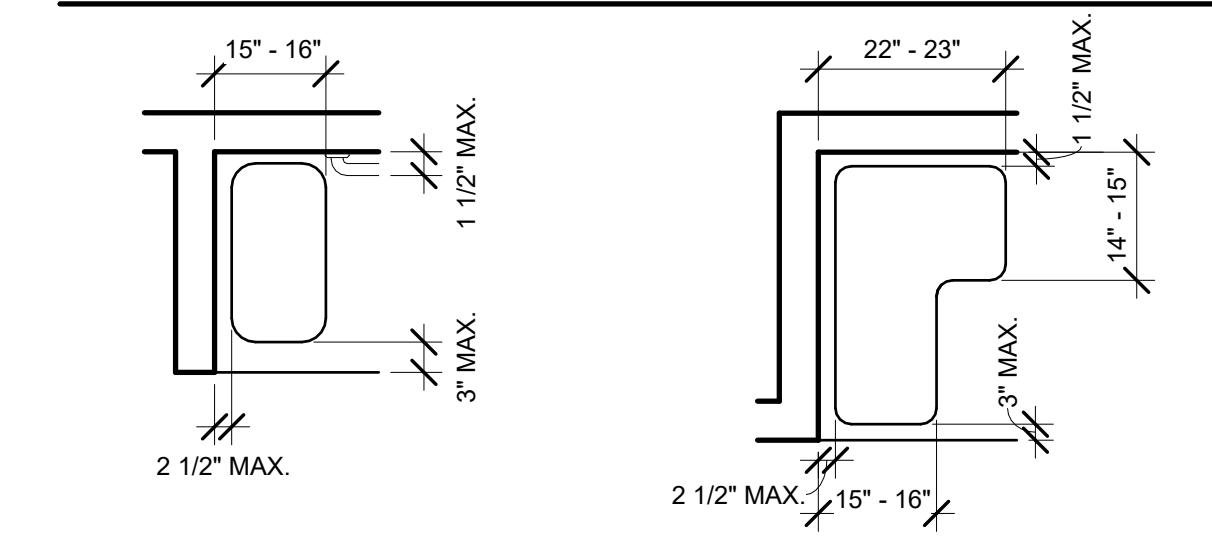
608 SHOWER COMPARTMENTS



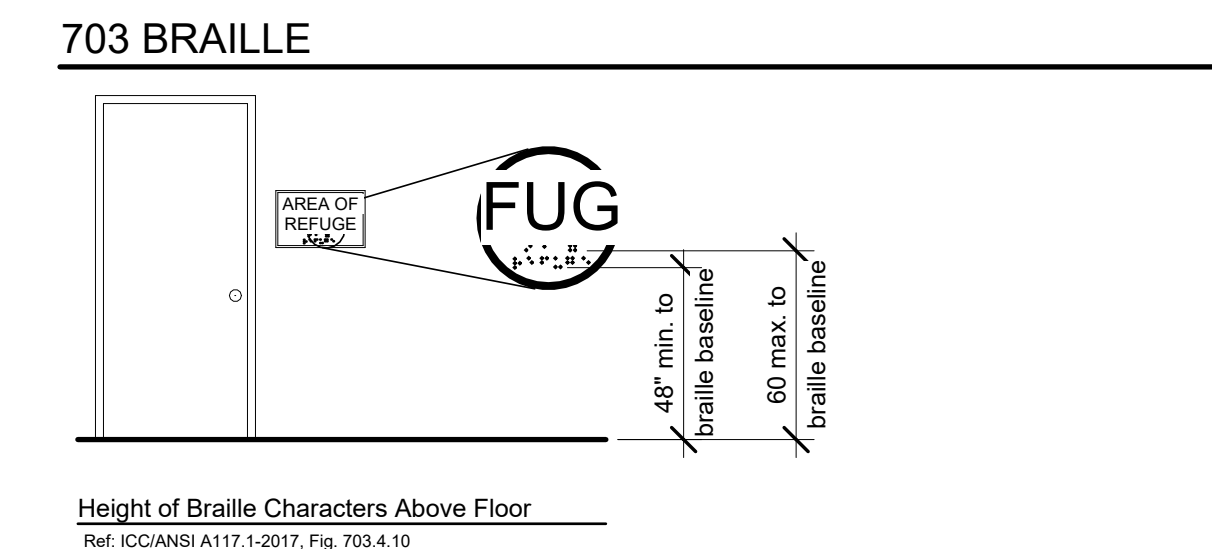
609 GRAB BARS



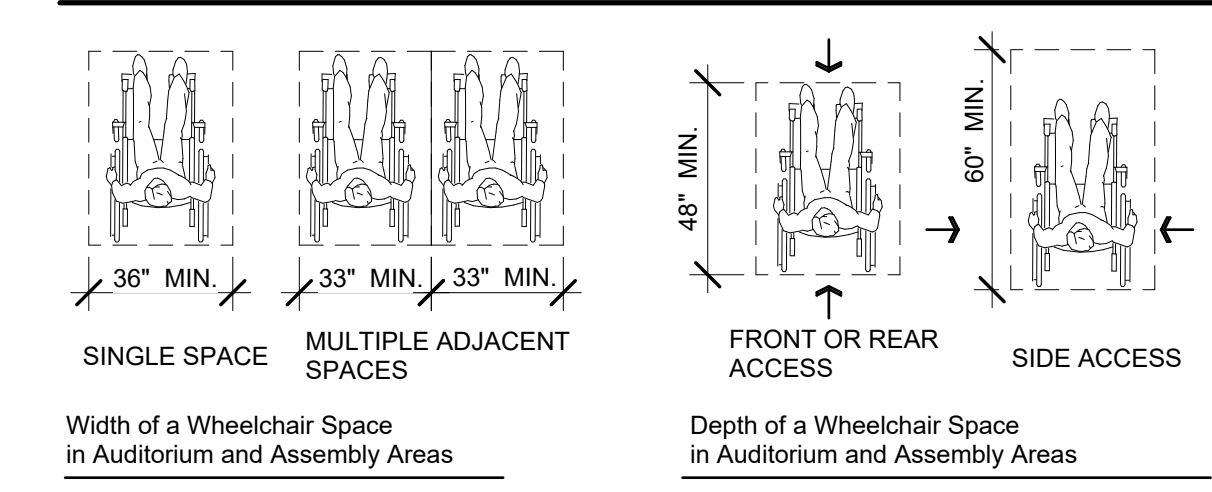
610 SEATS



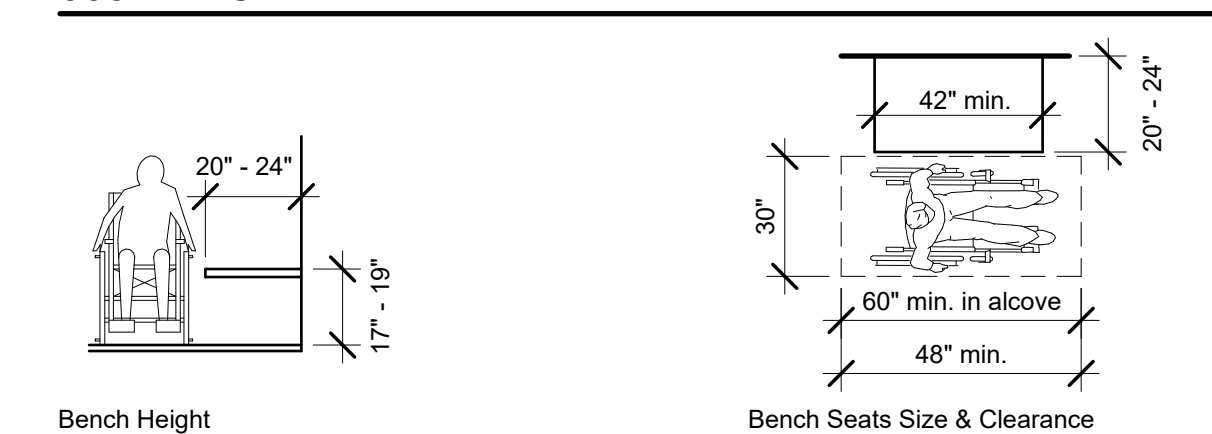
703 BRAILLE



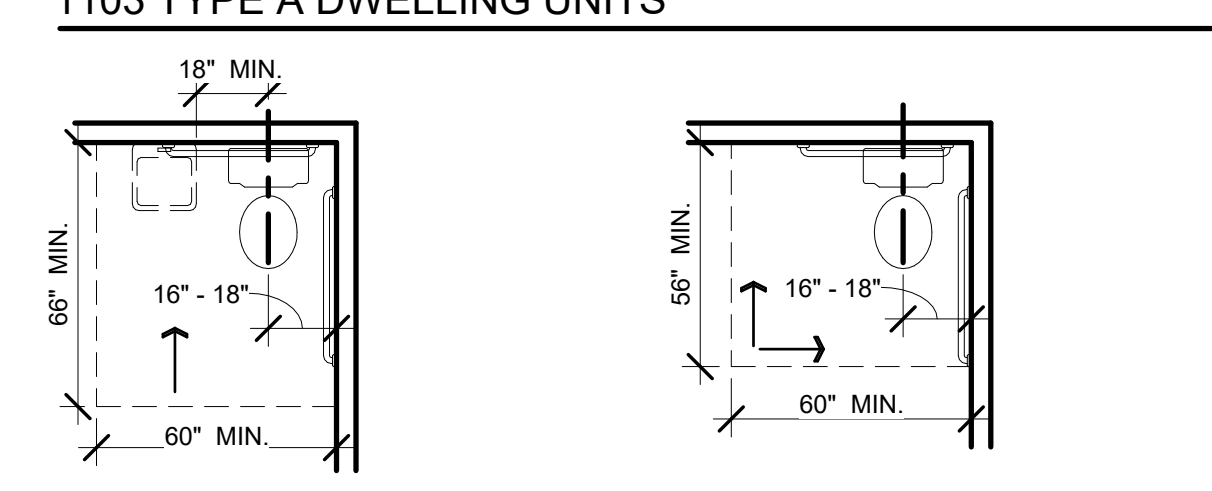
802 AUDITORIUM AND ASSEMBLY AREAS



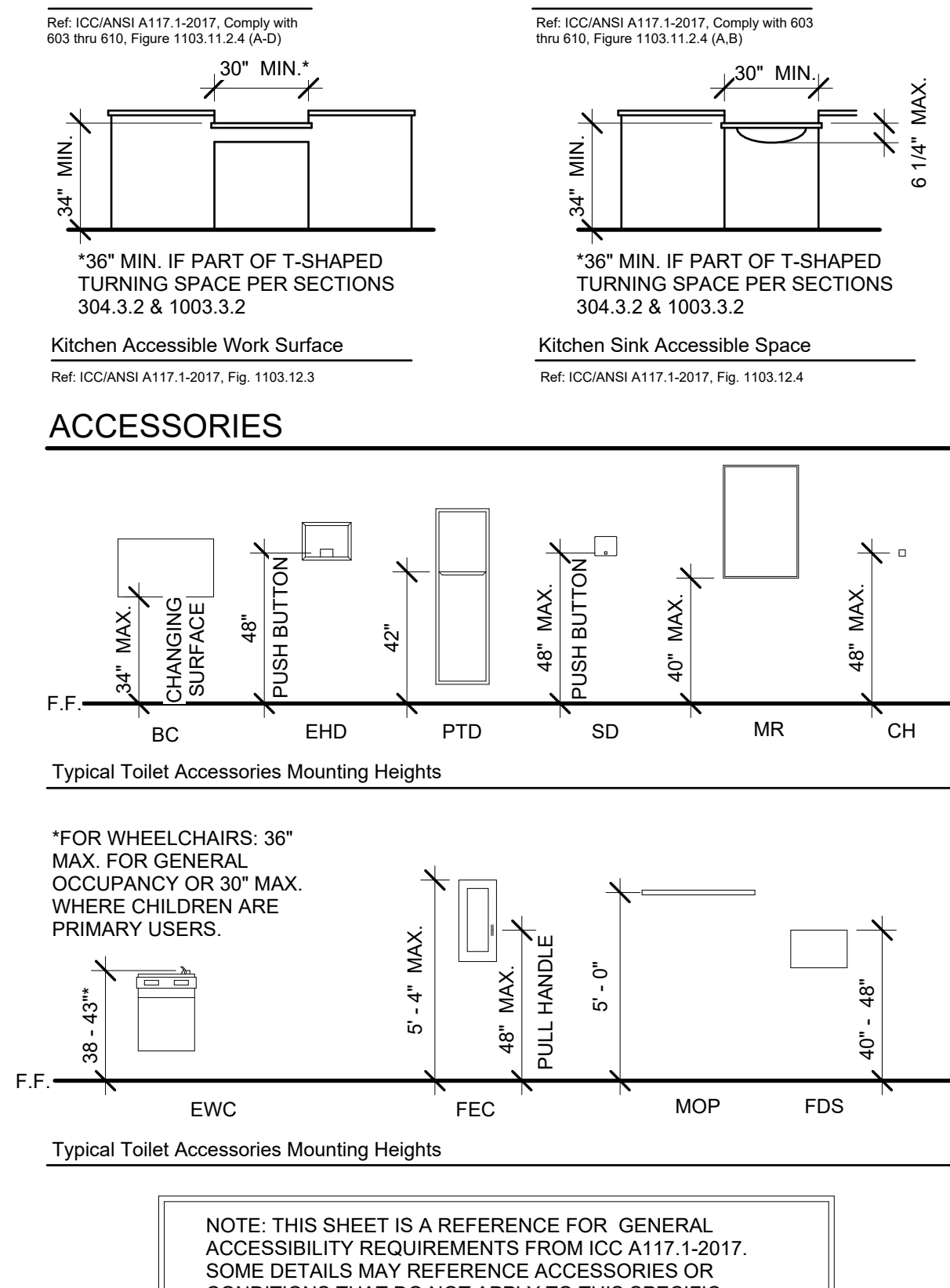
903 BENCHES



1103 TYPE A DWELLING UNITS



ACCESSORIES



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REGISTERED ARCHITECT
 REGISTERED ARCHITECT

CONSULTANT

YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

3271 Neely Store Road
 Rock Hill, SC 29730

DATE	MARK	DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS
 DATE: 03.08.2024
 PROJECT NO: 23037
 DRAWN BY: CGD
 CHECKED BY: CGD

ACCESSIBILITY STANDARDS

G102

Autodesk Docs://Catawba Bend Entrance and Restrooms/Catawba Bend - Entrance & Restrooms/44242.PN

CODE SUMMARY: CATAWBA BEND PRESERVE GATEHOUSE AND RESTROOMS

PROJECT BUILDING STATEMENT:
 NEW PARK ELEMENTS FOR CATAWBA BEND PRESERVE. PROJECT CONSISTS OF:
 1) ENTRY GATE & DECORATIVE FENCING
 2) GATEHOUSE WITH ACCESSIBLE ENTRY AND SINGLE USER TOILET
 3) TOILET FACILITIES FOR USE BY PARK VISITORS WITH SIX SINGLE-USER TOILET ROOMS.

PROJECT DESIGNED IN ACCORDANCE WITH:
 INTERNATIONAL BUILDING CODE 2021 EDITION
 INTERNATIONAL PLUMBING CODE 2021 EDITION
 INTERNATIONAL MECHANICAL CODE 2021 EDITION
 INTERNATIONAL FIRE PREVENTION CODE 2021 EDITION
 INTERNATIONAL ENERGY CONSERVATION CODE 2009 EDITION
 NATIONAL ELECTRICAL CODE 2020 EDITION
 ICC/ANSI A117.1 2017 EDITION

MUNICIPALITY AND/OR COUNTY WHERE PROJECT IS LOCATED:
 CODE JURISDICTION FOR:
 SITE WORK: SEE CIVIL
 WATER: SEE CIVIL
 SEWER: SEE CIVIL
 FIRE DEPARTMENT: CITY OF ROCKHILL

USE AND OCCUPANCY CLASSIFICATION:
 CONSTRUCTION TYPE (SECTION 602) TYPE - VB
 OCCUPANCY CLASSIFICATION (SECTION 302.1) BUSINESS (B)
 ORIGINAL USE(S): BUSINESS (B)
 PROPOSED USE(S): BUSINESS (B)
 ACCESSORY OCCUPANCY (SECTION 508): STORAGE (S-2)
 NON-SEPARATED OCCUPANCIES (508.3): STORAGE (S-2)

BUILDING AREA						
	EXISTING SQ FT	NEW SQ FT	ALLOWABLE FLOOR AREA (TABLE 506.2)	AREA INCREASE DUE TO FRONTAGE (506.3)	TOTAL ALLOWABLE FLOOR AREA	TOTAL DESIGN AREA
GATEHOUSE	N/A	250	9,000	N/A	-	250
TOILET BUILDING	N/A	714	9,000	N/A	-	714

BUILDING HEIGHT				
	EXISTING HEIGHT	ALLOWABLE HEIGHT AND NUMBER OF STORIES (TABLE 504.3-4)	TOTAL DESIGN HEIGHT	
GATEHOUSE	FEET	N/A	40'	18'
	STORIES	N/A	2	1
TOILET BUILDING	FEET	N/A	40'	19'
	STORIES	N/A	2	1

FIRE - RESISTANCE RATING REQUIREMENTS:

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS					
BUILDING ELEMENT	RATING AS REQUIRED (HOURS)	RATING AS DESIGNED (HOURS)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES (TABLE 601)	0	0			
BEARING WALLS (TABLE 601)					
EXTERIOR INTERIOR	0	0			
EXTERIOR NONBEARING WALLS AND PARTITIONS (TABLE 602)					
LESS THAN 5'	1	1			
5' TO 10'	1	1			
10' TO 30'	1	1			
GREATER THAN 30'	0	0			
INTERIOR NONBEARING WALLS AND PARTITIONS (TABLE 601)	0	0			
FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS (TABLE 601)	0	0			
ROOF CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS (TABLE 601)	0	0			
SHAFT ENCLOSURE (713)	1	1			
CORRIDOR SEPARATION (TABLE 1020.1)	0	0			
OCCUPANCY SEPARATION (TABLE 508.4)	1	N/A			
PARTY FIRE WALL SEPARATION	3	3			
SMOKE BARRIER SEPARATION (SECTION 709)	1	N/A			
TENANT SEPARATION (SECTION 708.1)	1/2	N/A			
INCIDENTAL USE SEPARATION	1	N/A			

WALL OPENINGS - AREAS AND FIRE PROTECTION RATINGS:

CLASSIFICATION OF OPENING	MAXIMUM AREA OF EXTERIOR WALL OPENINGS (TABLE 705.8)							
	FIRE SEPARATION DISTANCE (FEET)							
	0 TO 3	3 TO LESS THAN 5	5 TO LESS THAN 10	10 TO LESS THAN 15	15 TO LESS THAN 20	20 TO LESS THAN 25	25 TO LESS THAN 30	GREATER THAN 30
PROTECTED	NOT PERMITTED	15%	25%	45%	75%	NO LIMIT	NO LIMIT	NO LIMIT

OPENING PROTECTIVE FIRE PROTECTION RATINGS (SECTION 716 - TABLE 716.1(2))		
TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (HOURS)	MINIMUM FIRE DOOR AND SHUTTER ASSEMBLY RATING (HOURS)
FIRE WALLS AND FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING GREATER THAN 1 HOUR	4 3 2 1-1/2	3 3 1-1/2 1-1/2
ENCLOSURES FOR SHAFTS, INTERIOR EXIT STAIRWAYS AND INTERIOR EXIT RAMPS.	2	1-1/2
HORIZONTAL EXITS IN FIRE WALLS	4 3	3 3
FIRE BARRIERS OF 1-HOUR FIRE RESISTANCE - RATED CONSTRUCTION - SHAFT AND EXIT ENCLOSURE WALLS OTHER FIRE BARRIERS	1 1	1 3/4
FIRE PARTITIONS:		
CORRIDOR WALLS	1 0.5 1 0.5	1/3 1/3 1/3 1/3
OTHER FIRE PARTITIONS	3 2 1	1-1/2 1-1/2 3/4
EXTERIOR WALLS	1	1/3
SMOKE BARRIERS	1	1/3

FIRE PROTECTION SYSTEMS:

ITEM	YES / NO	COMMENTS
ARE SMOKE BARRIERS REQUIRED? (SECTION 709)	NO	
IS DRAFT STOPPING REQUIRED? (SECTION 718.3-4)	NO	
IS FIRE BLOCKING REQUIRED? (SECTION 718.2)	NO	
ARE SPRINKLERS REQUIRED? (SECTION 903)	NO	
ARE STANDPIPES REQUIRED? (SECTION 905)	NO	
IS A FIRE ALARM SYSTEM REQUIRED? (SECTION 907)	NO	
IS EMERGENCY LIGHTING PROVIDED?	YES	
ARE EXIT SIGNS PROVIDED?	NO	NOT REQUIRED PER 1013.1
ARE SMOKE DETECTION SYSTEMS REQUIRED?	NO	
IS PANIC HARDWARE PROVIDED?	NO	

OCCUPANCY LOAD:

BUILDING DESIGN OCCUPANT LOAD (TABLE 1004.5)				
BUILDING	OCCUPANCY TYPE	OCCUPANCY FLOOR AREA (SF)	FLOOR AREA IN SF PER OCCUPANT	CALCULATED OCCUPANTS PER TYPE
GATEHOUSE	OFFICE / BUSINESS	139	150 GROSS	1
TOTAL		139		1
RESTROOMS	ELEC / MECH / STOR.	229	300 GROSS	2
TOTAL		229		2

PLUMBING INFORMATION:

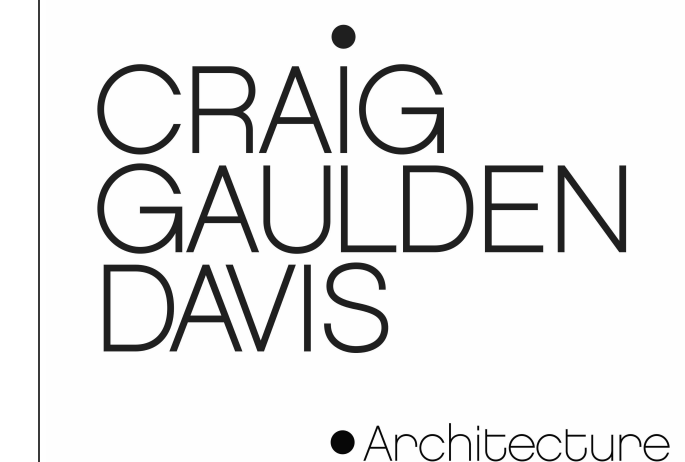
MINIMUM NUMBER OF PLUMBING FACILITIES (TABLE 2902.1)												
OCCUPANCY TYPE	MALE WATER CLOSETS		FEMALE WATER CLOSETS		LAVATORIES		SHOWERS		DRINKING FOUNTAINS		SERVICE SINK	
	1 PER 25 FOR FIRST 50, 1 PER 50 EXCEEDING 50	PROVD	1 PER 40 FOR FIRST 40, 1 PER 80 EXCEEDING 80	PROVD	1 PER 40 FOR FIRST 40, 1 PER 80 EXCEEDING 80	PROVD	1 PER 100	1 PER 100	1 PER 100	1 PER 100	1 PER 100	1 PER BLDG
GATEHOUSE	1	PROVD	1	PROVD	1	PROVD	0	0	0	0	0	0
BUSINESS (B)	1	1*	1	1*	0	0	0	0	0	0	0	0*
RESTROOMS	1	PROVD	1	PROVD	1	PROVD	0	0	0	0	0	0
BUSINESS (B)	3	0	3	0	6	0	0	0	2	0*	1	0*

***PLUMBING CODE NOTES:**

- PER 2021 IBC SECTION 2902.2, EXCEPTION 4. SEPARATE FACILITIES SHALL NOT BE REQUIRED IN BUSINESS OCCUPANCIES WHICH THE MAXIMUM OCCUPANT LOAD IS LESS THAN 25.
- PER 2021 IBC SECTION 2902.6, DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 15 OR FEWER.
- PER 2021 IBC, TABLE 2902.1, FOOTNOTE E, FOR BUSINESS AND MERCANTILE CLASSIFICATIONS WITH AN OCCUPANT LOAD OF 15 OR FEWER, A SERVICE SINK SHALL NOT BE REQUIRED.

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS REQUIRED: YES. SEE STRUCTURAL FOR INSPECTION SCHEDULE.



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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

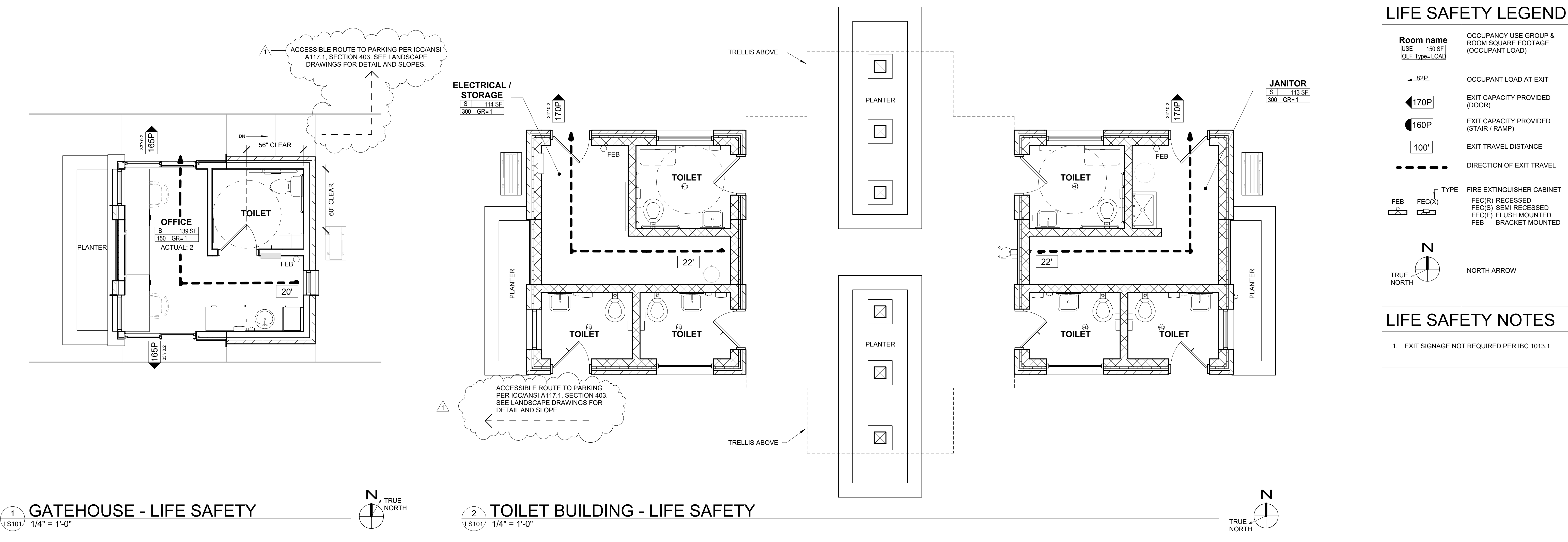
3271 Neely Store Road
 Rock Hill, SC 29730

DATE	MARK	DESCRIPTION
04.19.24	1	Permit and Owner Comments

ISSUE: CONSTRUCTION DOCUMENTS
 DATE: 03.08.2024
 PROJECT NO: 23037
 DRAWN BY: CSM
 CHECKED BY: CAG

LIFE SAFETY PLAN

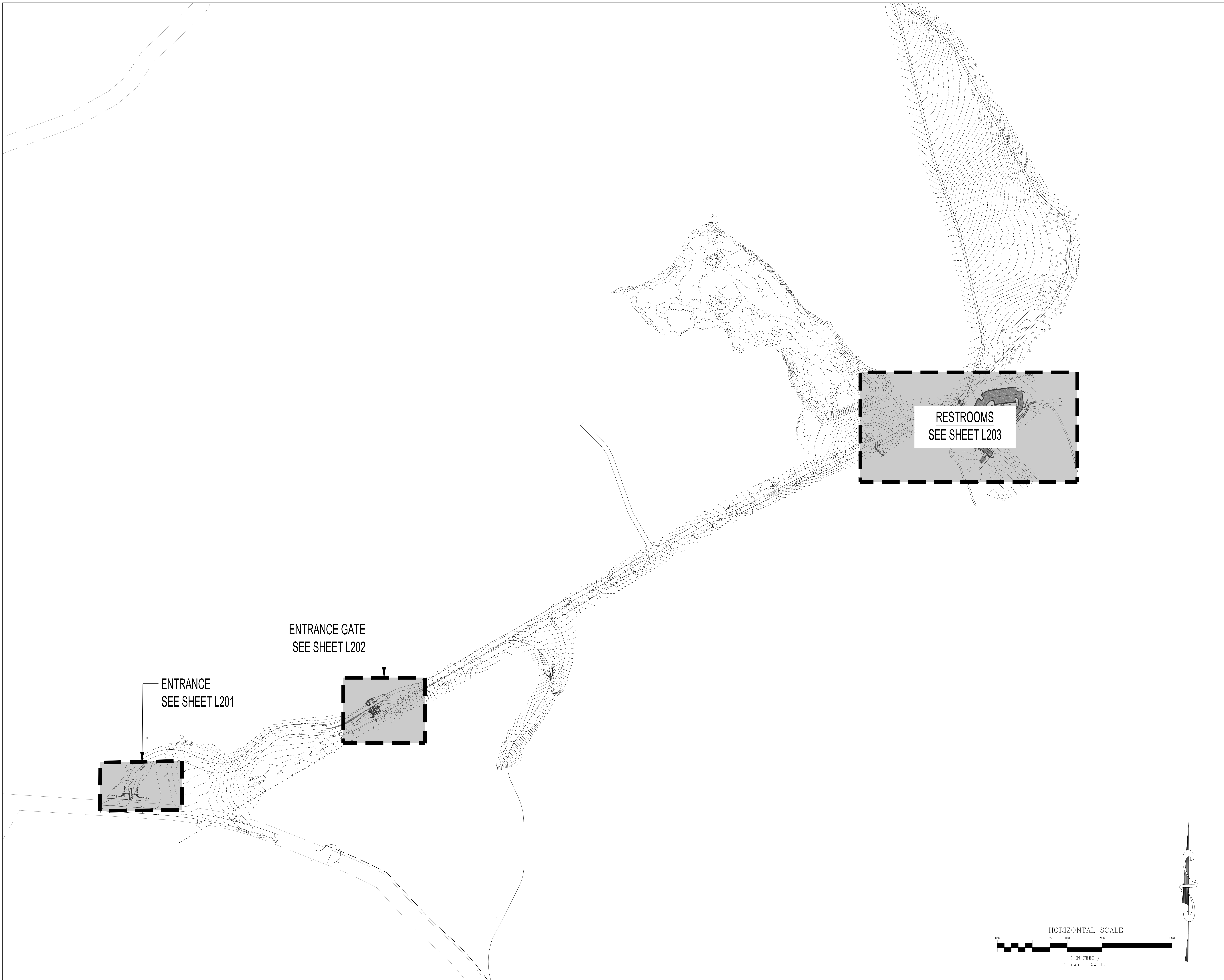
LS101



1 GATEHOUSE - LIFE SAFETY
 LS101 1/4" = 1'-0"

2 TOILET BUILDING - LIFE SAFETY
 LS101 1/4" = 1'-0"

Autodesk Docs://Catawba Bend Entrance and Restrooms/Catawba Bend - Entrance & Restrooms/4/4 PM



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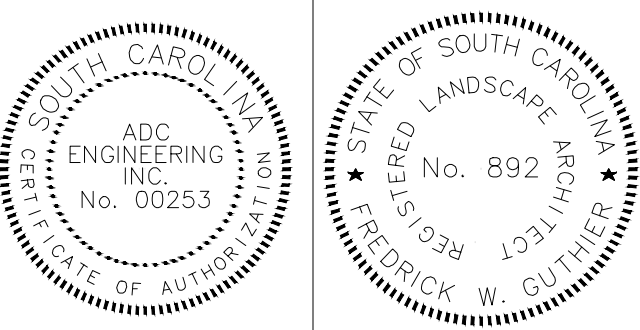
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**CRAIG
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DAVIS**
● Architecture

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YORK COUNTY

**CATAWBA
BEND
PRESERVE
PHASE 1**

2371 NEELY STORE ROAD
ROCK HILL, SC, 29730

DATE	MARK	DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS

DATE: 03.08.2024

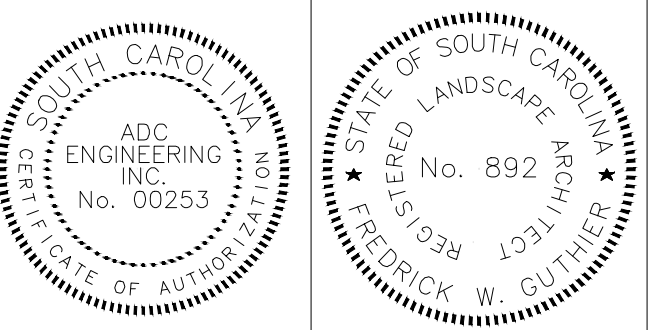
PROJECT NO: 23261

DRAWN BY: NCM

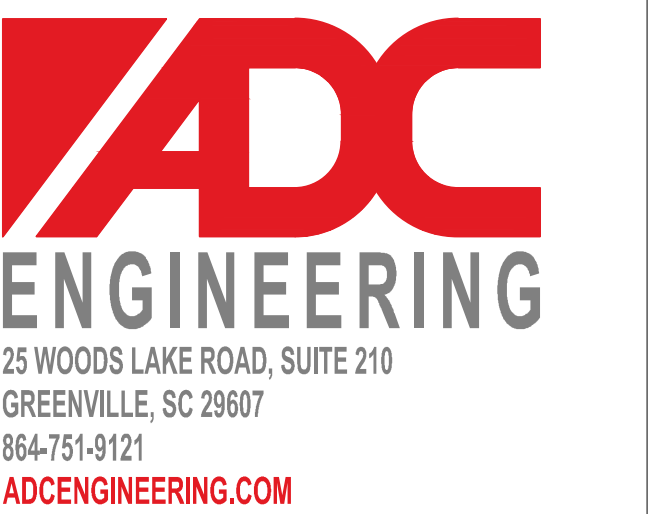
CHECKED BY: FWG

SITE PLAN -
OVERALL

L100



CONSULTANT



YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

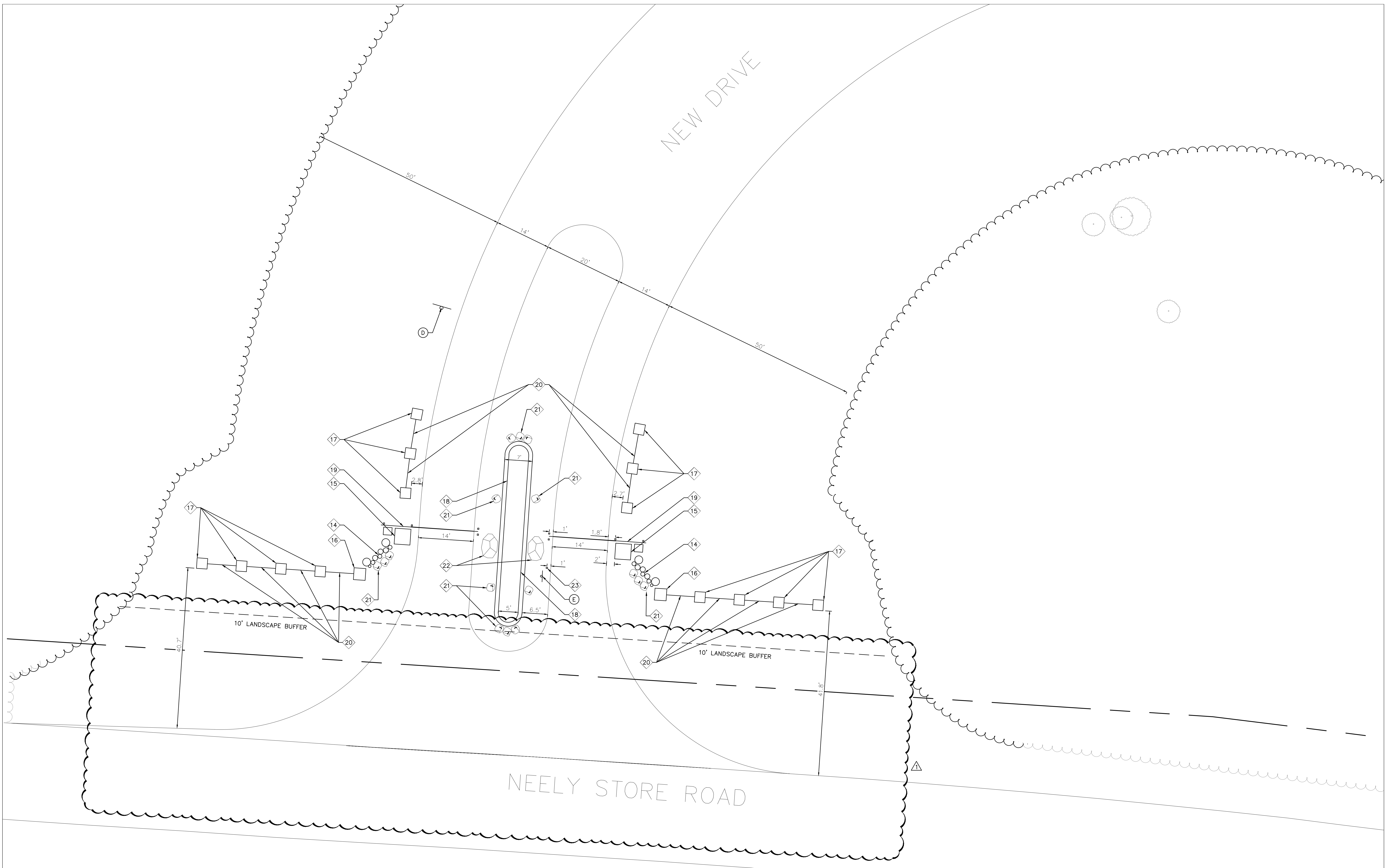
2371 NEELY STORE ROAD
ROCK HILL, SC, 29730

DATE	MARK	DESCRIPTION
05/17/2024	1	PERMIT REVISIONS

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	03.08.2024
PROJECT NO.:	23261
DRAWN BY:	NGCM
CHECKED BY:	FWG

SITE & DIMENSION PLAN - ENTRANCE

L201



GENERAL SITE LAYOUT NOTES:

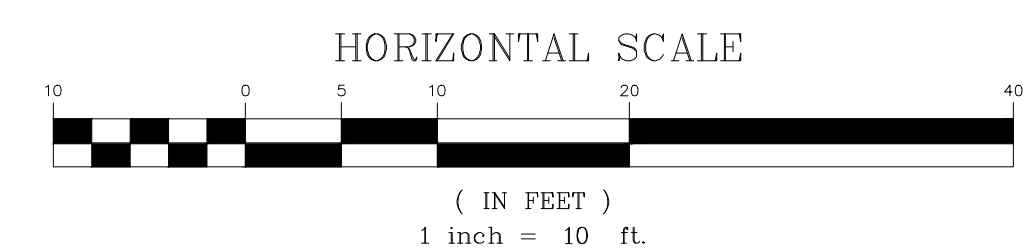
- ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS & REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
- ALL LAYOUT STAKING SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL LAND SURVEYOR. STAKE OUT ALL SITE WORK FOR REVIEW BY PROJECT ARCHITECT PRIOR TO INSTALLATION. SURVEYOR TO NOTIFY PROJECT ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BETWEEN COORDINATES GIVEN AND GRAPHIC LAYOUT.
- PROVIDE CONDUIT SLEEVES FOR ALL ELECTRICAL, IRRIGATION AND WATER LINES THAT ARE TO GO UNDER PAVEMENTS, PLAY SURFACE AND WALLS.
- ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE WORK AREA SHALL BE REPAIRED, REGRADED AND SEEDED.
- SEE CIVIL FOR GRADING AND UTILITY INFORMATION.
- SCHEDULE 40 SLEEVES SHALL BE USED UNDER ANY HARDSCAPING. (EXAMPLE: SIDEWALKS AND DRIVES). SLEEVES TO BE A MINIMUM OF (2) PIPE SIZES LARGER THAN THE PIPE RUNNING THROUGH IT. A 2" SLEEVE IS REQUIRED FOR WIRE.

SIGN LEGEND:

- (A) PEDESTRIAN CROSSING SIGN
- (B) ACCESSIBLE PARKING SIGN - PLUS "VAN" WHERE INDICATED
- (C) STOP SIGN
- (D) APPROACH SLOWLY SIGN - "GATE OPENS AUTOMATICALLY"
- (E) INFORMATION SIGN - PHONE NUMBER TO CALL IF CLOSED

KEYNOTES:

- NEW REMOTE PLANTER BY ARCHITECT IAW ARCHITECTURAL SHEET A101. SEE DETAIL A/L400 FOR SOILS INFORMATION.
- INSTALL 6" HIGH TURNDOWN CURB IAW DETAIL B/L402.
- INSTALL CONCRETE SIDEWALK IAW DETAIL E/L401.
- INSTALL STOP BAR IAW DETAIL F/L401.
- INSTALL CROSSWALK IAW DETAIL G/L401.
- INSTALL ADA PARKING SPACES AND STRIPING IAW DETAIL A/L401.
- INSTALL WOOD 3-RAIL FENCE IAW DETAIL H/L401.
- TIE NEW CRUSHED GRANITE WALKWAY INTO EXISTING TRAIL.
- INSTALL CONCRETE WHEEL STOPS IAW DETAIL J/L401.
- INSTALL VEHICULAR GATE IAW DETAIL A/L402.
- INSTALL CONCRETE RAMP WHERE SHOWN.
- INSTALL DETECTABLE WARNING PANEL IAW DETAIL D/L402.
- NEW BENCH BY OWNER.
- INSTALL PARK SIGNAGE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- INSTALL LARGE COLUMN. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (TOTAL OF 2).
- INSTALL SMALL COLUMN. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (TOTAL OF 2).
- INSTALL STONE PIER. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (TOTAL OF 14).
- INSTALL 36" STONE VENER MEDIUM PLANTER WALL. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (APPROXIMATELY 5' X 40').
- INSTALL ROLLING GATE WITH AUTOMATED OPERATION (14' X 6'). SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- INSTALL MODIFIED WOOD 3-RAIL FENCE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- INSTALL SMALL ROCK BOULDERS WITH VARYING HEIGHTS. (APPROXIMATELY 2'L X 2'W X 2'H).
- INSTALL LARGE ROCK BOULDERS WHERE SHOWN. (APPROXIMATELY 3'L X 4'W X 3'H).
- INSTALL CONTROL KEYPAD WITH REMOTE ENTRY AND FIRE DEPARTMENT ACCESS BOX. VERIFY OPERATOR LOCATION WITH MANUFACTURER.
- INSTALL 7"-9" RIVER ROCK WHERE SHOWN. WASH AND COLOR TO BE SELECTED BY OWNER.



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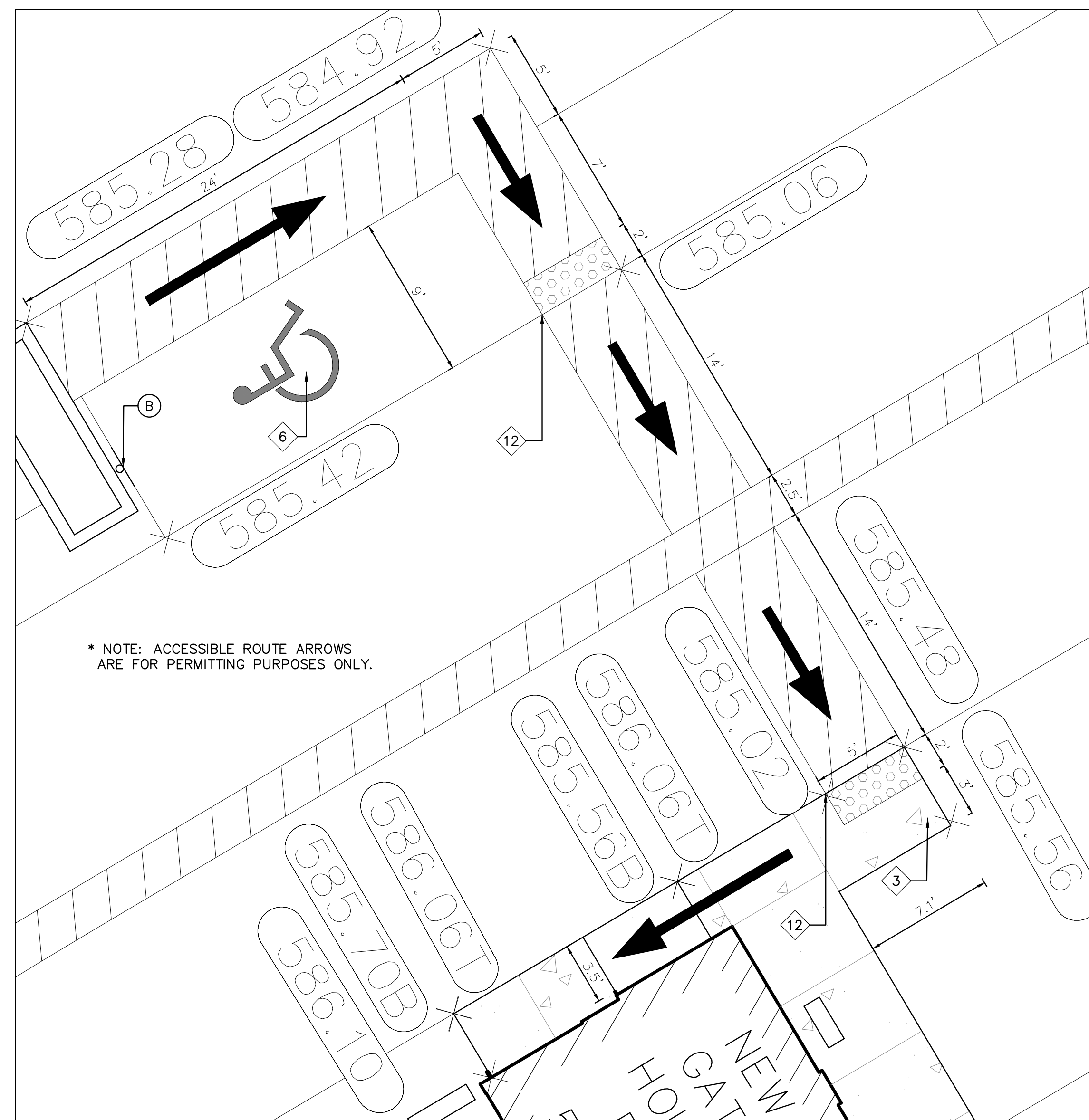
E

D

C

B

PARALLEL PARKING ACCESSIBLE ROUTE - SITE ENLARGEMENT



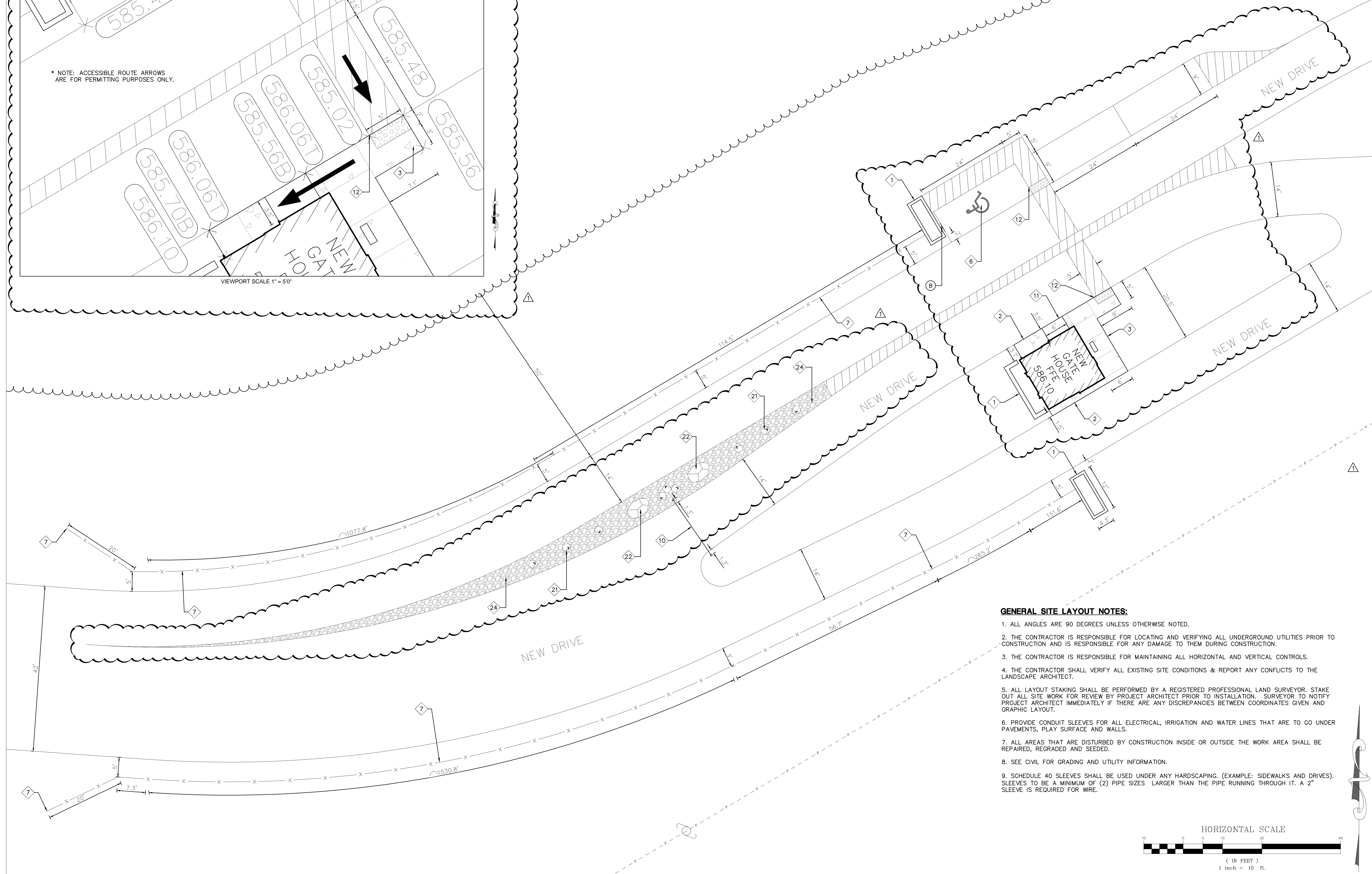
VIEWPORT SCALE 1" = 50'

KEYNOTES:

1. NEW REMOTE PLANTER BY ARCHITECT IAW ARCHITECTURAL SHEET A101. SEE DETAIL A/L400 FOR SOILS INFORMATION.
2. INSTALL 6" HIGH TURNDOWN CURB IAW DETAIL B/L402.
3. INSTALL CONCRETE SIDEWALK IAW DETAIL E/L401.
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11. INSTALL CONCRETE RAMP WHERE SHOWN.
12. INSTALL DETECTABLE WARNING PANEL IAW DETAIL D/L402.
13. NEW BENCH BY OWNER.
14. INSTALL PARK SIGNAGE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
15. INSTALL LARGE COLUMN. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (TOTAL OF 2).
16. INSTALL SMALL COLUMN. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (TOTAL OF 2).
17. INSTALL STONE PIER. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (TOTAL OF 14).
18. INSTALL 36" STONE VENEER MEDIAN PLANTER WALL. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. (APPROXIMATELY 5' X 40').
19. INSTALL ROLLING GATE WITH AUTOMATED OPERATION (14' X 6'). SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
20. INSTALL MODIFIED WOOD 3-RAIL FENCE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
21. INSTALL SMALL ROCK BOULDERS WITH VARYING HEIGHTS. (APPROXIMATELY 2'L X 2'W X 2'H).
22. INSTALL LARGE ROCK BOULDERS WHERE SHOWN. (APPROXIMATELY 3'L X 4'W X 3'H).
23. INSTALL CONTROL KEYPAD WITH REMOTE ENTRY AND FIRE DEPARTMENT ACCESS BOX. VERIFY OPERATOR LOCATION WITH MANUFACTURER.
24. INSTALL 7"-9" RIVER ROCK WHERE SHOWN. WASH AND COLOR TO BE SELECTED BY OWNER.

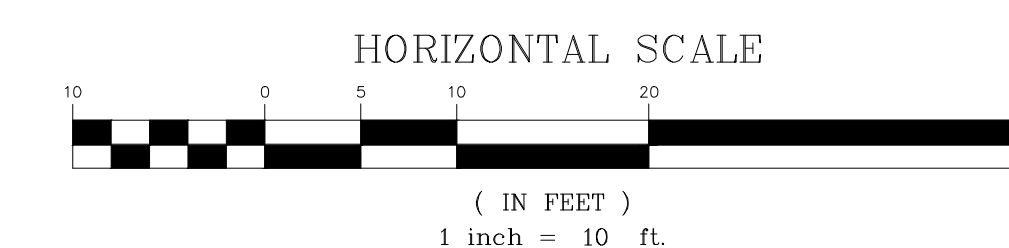
SIGN LEGEND:

- (A) PEDESTRIAN CROSSING SIGN
- (B) ACCESSIBLE PARKING SIGN - PLUS "VAN" WHERE INDICATED
- (C) STOP SIGN
- (D) APPROACH SLOWLY SIGN - "GATE OPENS AUTOMATICALLY"
- (E) INFORMATION SIGN - PHONE NUMBER TO CALL IF CLOSED



GENERAL SITE LAYOUT NOTES:

1. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS & REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
5. ALL LAYOUT STAKING SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL LAND SURVEYOR. STAKE OUT ALL SITE WORK FOR REVIEW BY PROJECT ARCHITECT PRIOR TO INSTALLATION. SURVEYOR TO NOTIFY PROJECT ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BETWEEN COORDINATES GIVEN AND GRAPHIC LAYOUT.
6. PROVIDE CONDUIT SLEEVES FOR ALL ELECTRICAL, IRRIGATION AND WATER LINES THAT ARE TO GO UNDER PAVEMENTS, PLAY SURFACE AND WALLS.
7. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE WORK AREA SHALL BE REPAIRED, REGRADED AND SEEDED.
8. SEE CIVIL FOR GRADING AND UTILITY INFORMATION.
9. SCHEDULE 40 SLEEVES SHALL BE USED UNDER ANY HARDSCAPING. (EXAMPLE: SIDEWALKS AND DRIVES). SLEEVES TO BE A MINIMUM OF (2) PIPE SIZES LARGER THAN THE PIPE RUNNING THROUGH IT. A 2" SLEEVE IS REQUIRED FOR WIRE.

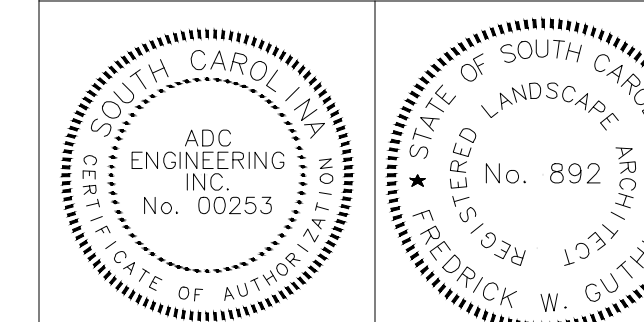


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CONSULTANT



YORK COUNTY

CATAWBA
BEND
PRESERVE
PHASE 1

2371 NEELY STORE ROAD
ROCK HILL, SC 29730

DATE	MARK	DESCRIPTION
05/17/2024	1	PERMIT REVISIONS

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
PROJECT NO: 23261
DRAWN BY: NCM
CHECKED BY: FWG

SITE & DIMENSION
PLAN - ENTRANCE
GATE

L202

SITE LEGEND

- STANDARD DUTY ASPHALT PAVEMENT – INSTALL IAW DETAIL C/L401.
- STANDARD GRAVEL PAVEMENT – INSTALL IAW DETAIL D/L401.
- CONCRETE SIDEWALK – INSTALL IAW DETAIL E/L401.
- CRUSHED GRANITE WALKWAY – INSTALL IAW DETAILS C/L402.
- PROPERTY LINE

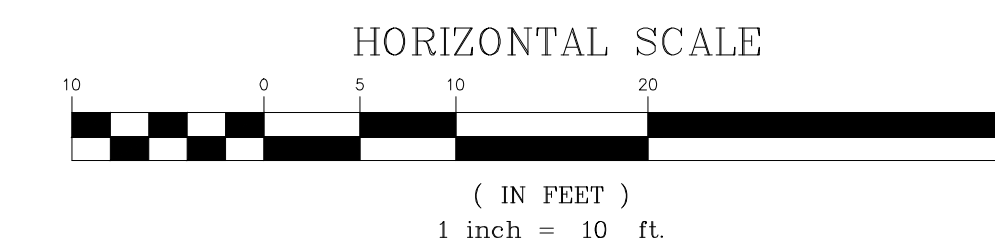
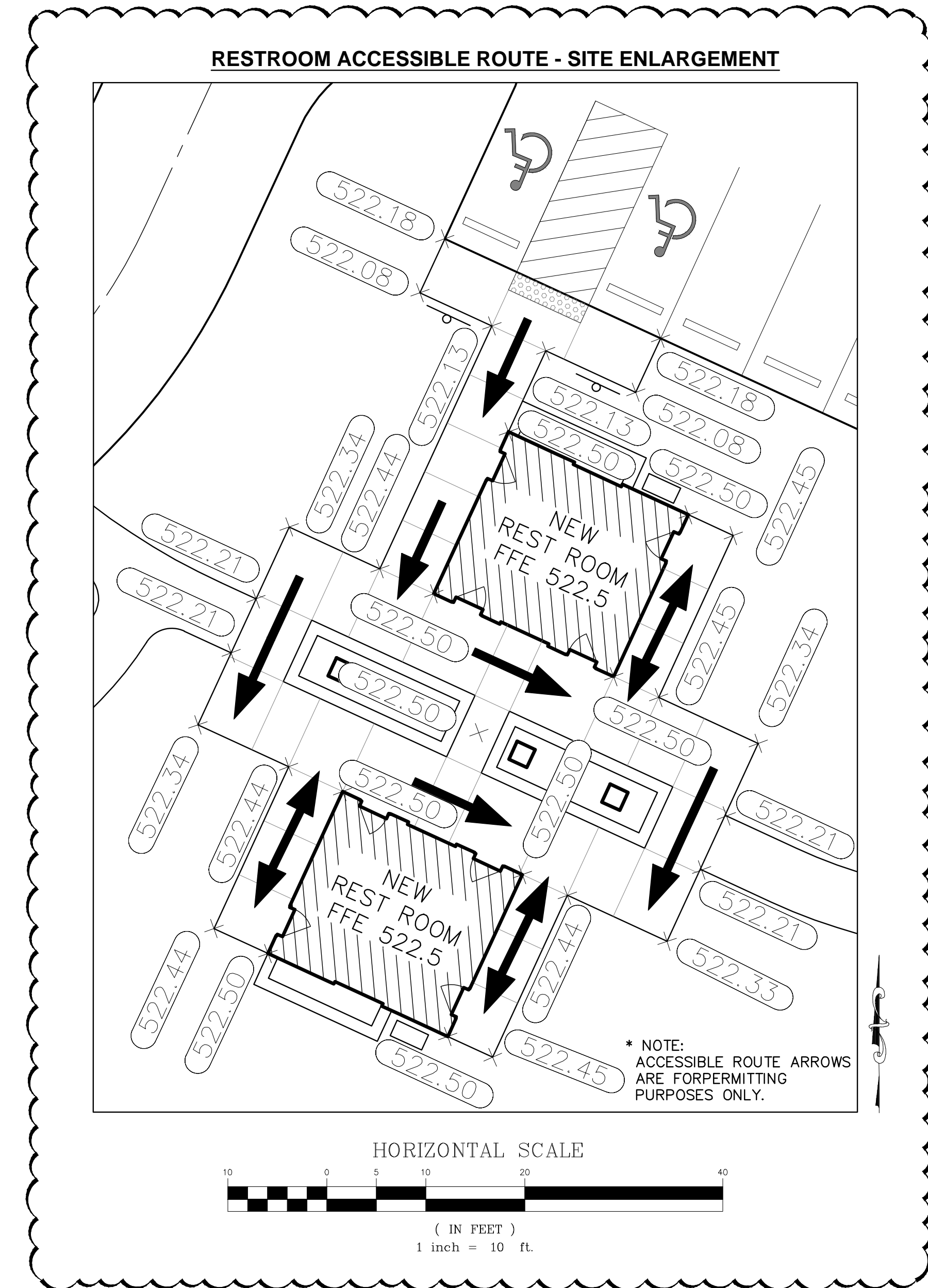
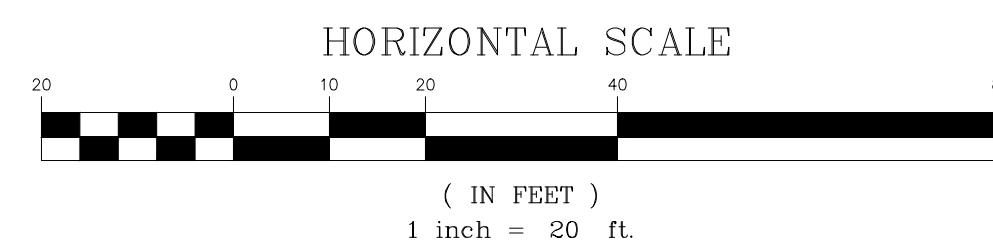
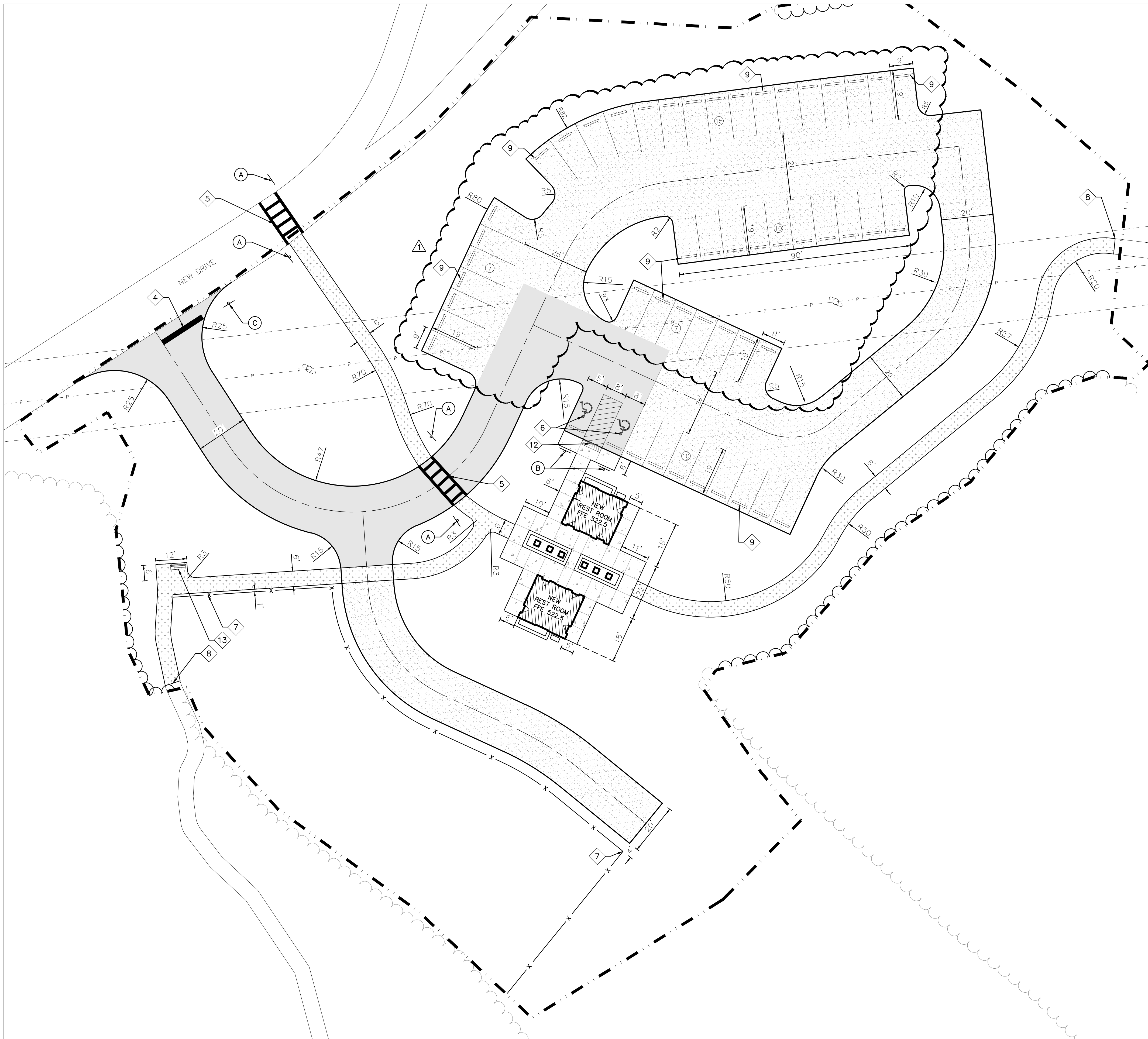
- ACCESSIBLE PARKING SPACE AND AISLE – IAW DETAIL A/L401.
- CROSSWALK (THERMOPLASTIC) – INSTALL IAW DETAIL G/L401.
- PARKING SPACES – STRIPE WITH 4" SINGLE WHITE SOLID LINE
- 24" STOP BAR (THERMOPLASTIC) – INSTALL IAW DETAIL F/L401.
- NEW TRAFFIC SIGN – INSTALL PER PLAN AND IAW DETAILS I/L401, K/L401, & L/L401.

KEYNOTES:

1. NEW REMOTE PLANTER BY ARCHITECT IAW ARCHITECTURAL SHEET A101. SEE DETAIL A/L400 FOR SOILS INFORMATION.
2. INSTALL 6" HIGH TURNDOWN CURB IAW DETAIL B/L402.
3. INSTALL CONCRETE SIDEWALK IAW DETAIL E/L401.
4. INSTALL STOP BAR IAW DETAIL F/L401.
5. INSTALL CROSSWALK IAW DETAIL G/L401.
6. INSTALL ADA PARKING SPACES AND STRIPING IAW DETAIL A/L401.
7. INSTALL WOOD 3-RAIL FENCE IAW DETAIL H/L401.
8. TIE NEW CRUSHED GRANITE WALKWAY INTO EXISTING TRAIL.
9. INSTALL CONCRETE WHEEL STOPS IAW DETAIL J/L401.
10. INSTALL VEHICULAR GATE IAW DETAIL A/L402.
11. INSTALL CONCRETE RAMP WHERE SHOWN.
12. INSTALL DETECTABLE WARNING PANEL IAW DETAIL D/L402.
13. NEW BENCH BY OWNER.

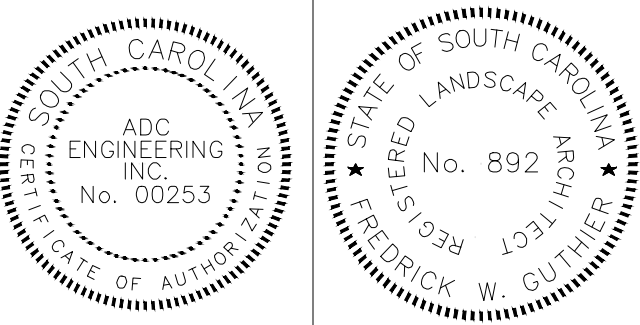
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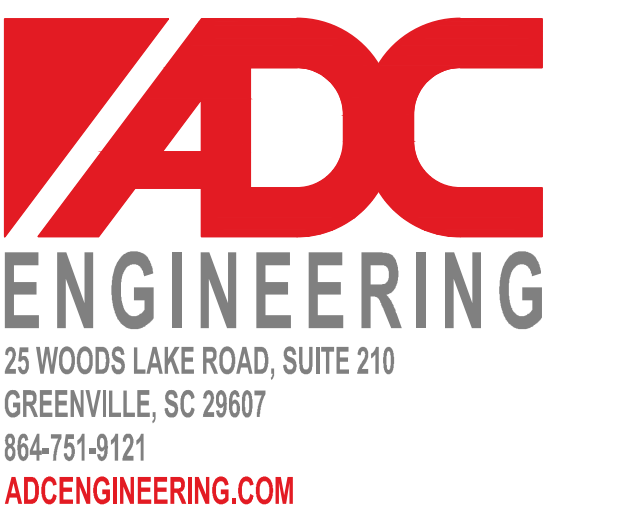


GENERAL SITE LAYOUT NOTES:

1. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
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CONSULTANT



YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

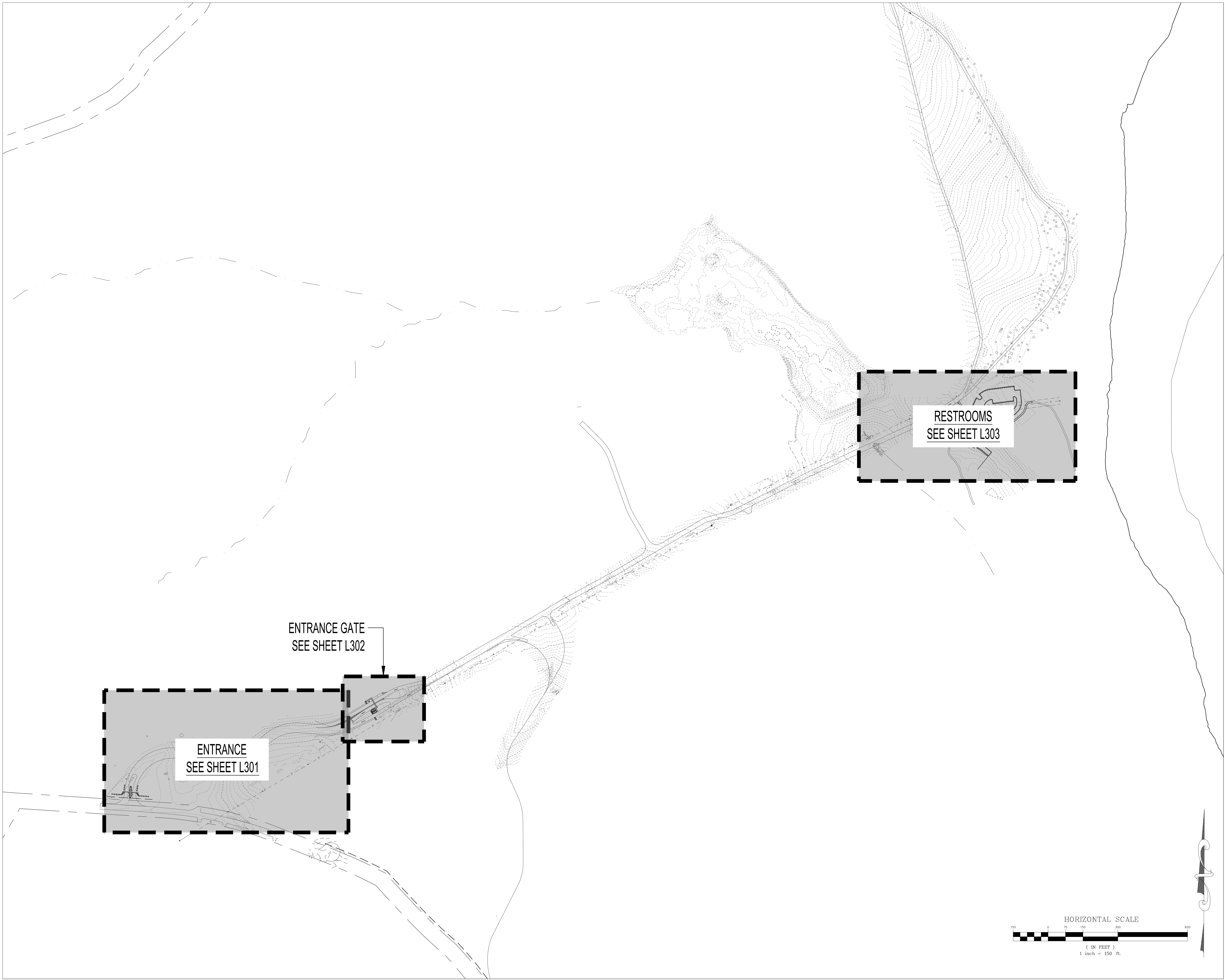
2371 NEELY STORE ROAD
ROCK HILL, SC, 29730

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SITE & DIMENSION PLAN - RESTROOMS

L203

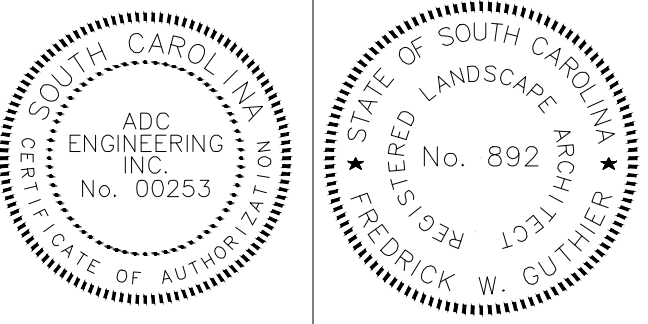


CRAIG GAULDEN DAVIS
 ● Architecture

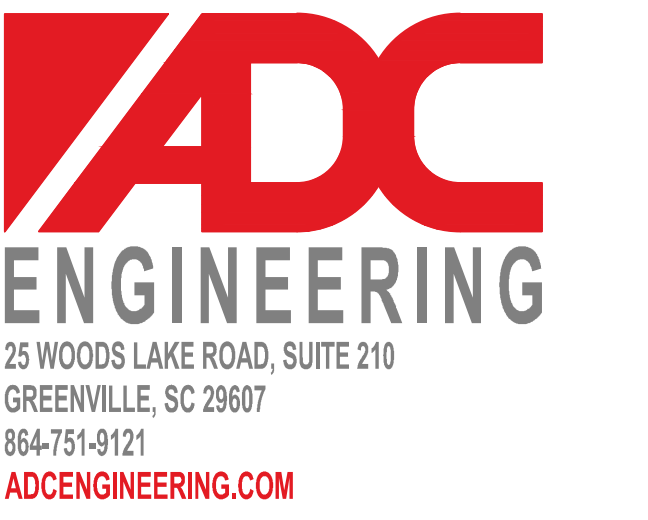
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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

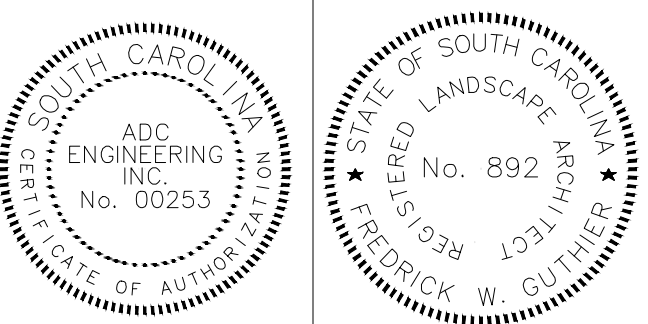
2371 NEELY STORE ROAD
 ROCK HILL, SC, 29730

DATE	MARK	DESCRIPTION

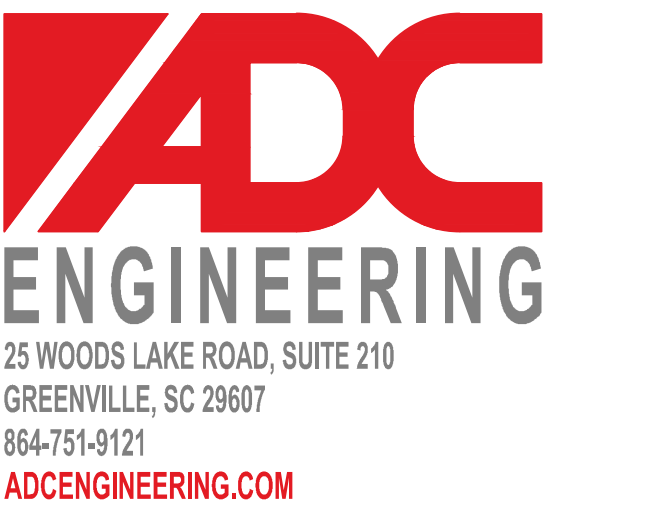
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LANDSCAPE PLANTING PLAN - OVERALL

L300



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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

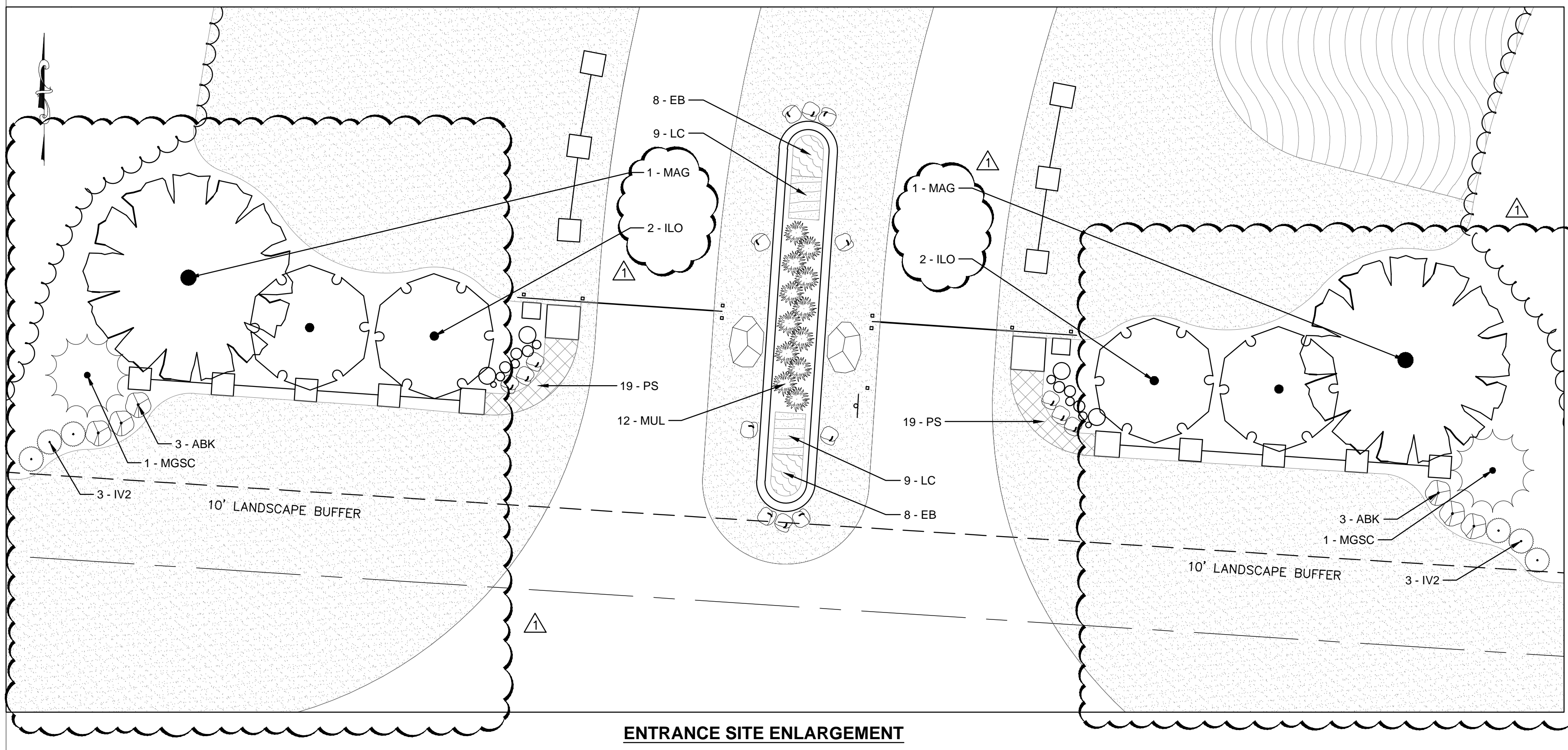
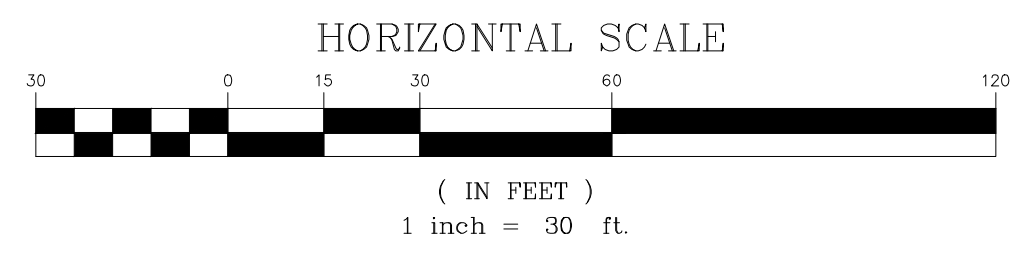
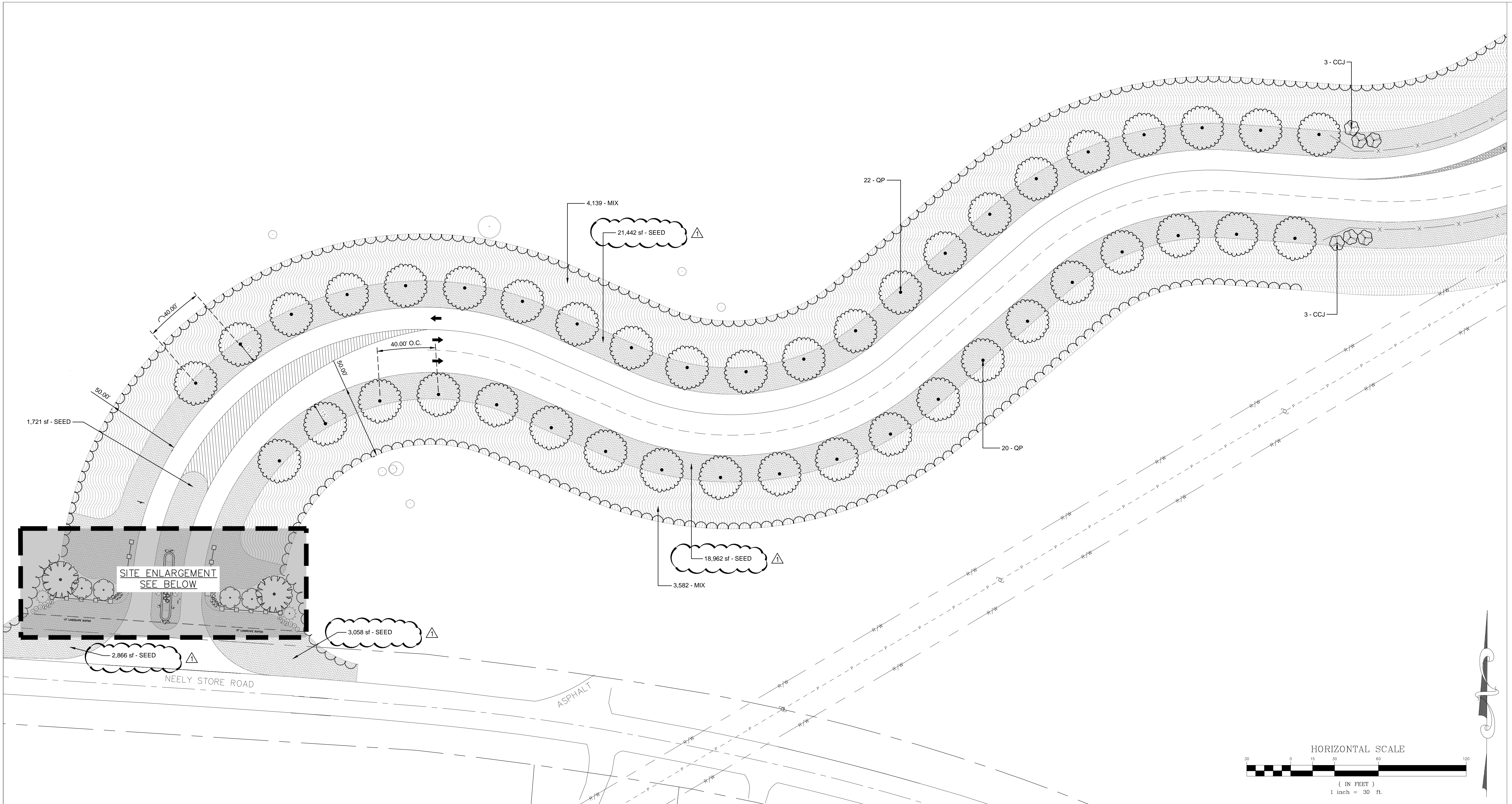
2371 NEELY STORE ROAD
ROCK HILL, SC, 29730

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LANDSCAPE PLANTING PLAN - ENTRANCE

L301



LANDSCAPE REQUIREMENTS

LOCATION	BUFFER TYPE	REQUIREMENTS	PROPOSED	EXISTING	TOTAL	PERIMETER LENGTH
NEELY STORE RD.	ROW - MINOR RD (10' MIN. WIDTH)	5 TREES 20 SHRUBS (OR 5 LARGE EVERGREEN SHRUBS)	6 TREES 12 SHRUBS + 2 LARGE EVERGREEN SHRUBS	0 0 0	6 12 2	140 FEET

* NOTE : THE REQUIRED TREES AND SHRUBS FOR BUFFER PLANTINGS SHALL BE INCORPORATED INTO THE ENTRY SIGN DESIGN AND INSTALLED OUTSIDE THE BUFFER TO ALLOW BETTER VISIBILITY FROM ROAD.

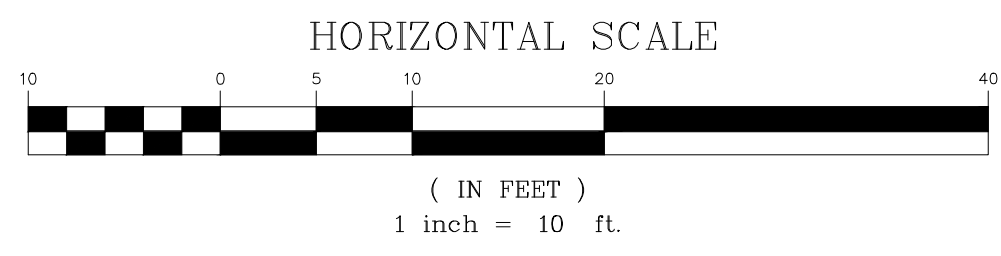
BUFFERYARD TYPES

ROW - MINOR ROAD (AESTHETIC)

- 10 FEET MINIMUM WIDTH
- 3 TREES PER 100 LINEAR FEET
- 14 SHRUBS PER 100 LINEAR FEET

* LARGE EVERGREEN SHRUBS SHALL COUNT AS 4 SHRUBS.

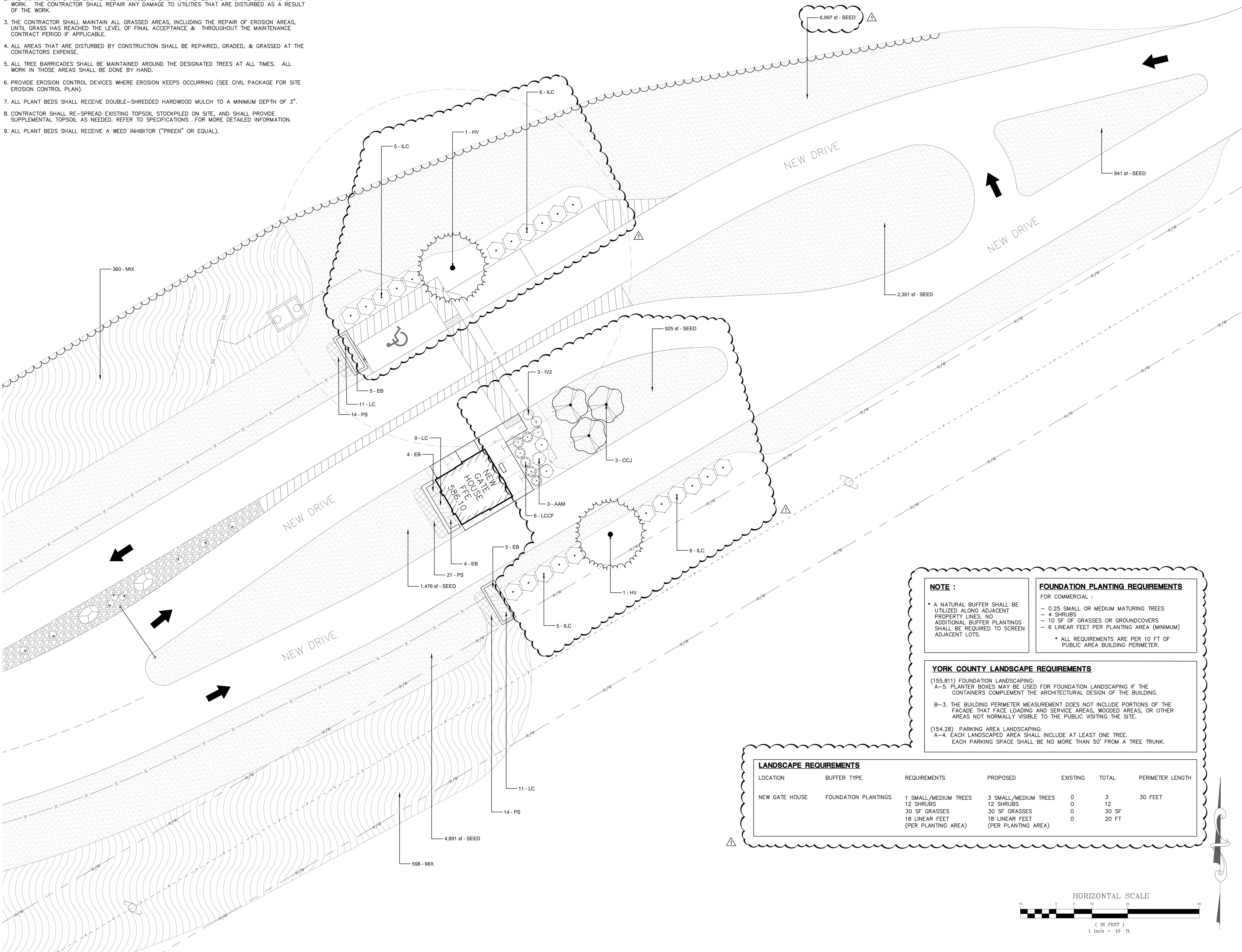
- PLANTING NOTES:**
- INSTALL TRENCH EDGING IN ALL AREAS WHERE PLANT BEDS ARE ADJACENT TO LAWN AREAS AND AROUND ALL TREES LOCATED IN LAWN AREAS. SEE DETAIL ON SHEET L400 FOR MORE INFORMATION.
 - THE CONTRACTOR SHALL LOCATE ALL PROPOSED & EXISTING UTILITIES PRIOR TO THE BEGINNING OF WORK. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES THAT ARE DISTURBED AS A RESULT OF THE WORK.
 - THE CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING THE REPAIR OF EROSION AREAS, UNTIL GRASS HAS REACHED THE LEVEL OF FINAL ACCEPTANCE & THROUGHOUT THE MAINTENANCE CONTRACT PERIOD IF APPLICABLE.
 - ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION SHALL BE REPAIRED, GRADED, & GRASSED AT THE CONTRACTORS EXPENSE.
 - ALL TREE BARRICADES SHALL BE MAINTAINED AROUND THE DESIGNATED TREES AT ALL TIMES. ALL WORK IN THOSE AREAS SHALL BE DONE BY HAND.
 - PROVIDE EROSION CONTROL DEVICES WHERE EROSION KEEPS OCCURRING (SEE CIVIL PACKAGE FOR SITE EROSION CONTROL PLAN).
 - ALL PLANT BEDS SHALL RECEIVE DOUBLE-SHREDDED HARDWOOD MULCH TO A MINIMUM DEPTH OF 3".
 - CONTRACTOR SHALL RE-SPREAD EXISTING TOPSOIL STOCKPILED ON SITE, AND SHALL PROVIDE SUPPLEMENTAL TOPSOIL AS NEEDED. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.
 - ALL PLANT BEDS SHALL RECEIVE A WEED INHIBITOR ("PREEN" OR EQUAL).



7 6 5 4 3 2 1

PLANTING NOTES:

1. INSTALL TRENCH EDGING IN ALL AREAS WHERE PLANT BEDS ARE ADJACENT TO LAWN AREAS AND AROUND ALL TREES LOCATED IN LAWN AREAS. SEE DETAIL ON SHEET L400 FOR MORE INFORMATION.
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9. ALL PLANT BEDS SHALL RECEIVE A WEED INHIBITOR ("PREEN" OR EQUAL).



NOTE :

- * A NATURAL BUFFER SHALL BE UTILIZED ALONG ADJACENT PROPERTY LINES. NO ADDITIONAL BUFFER PLANTINGS SHALL BE REQUIRED TO SCREEN ADJACENT LOTS.

FOUNDATION PLANTING REQUIREMENTS
FOR COMMERCIAL :

- 0.25 SMALL OR MEDIUM MATURING TREES
- 4 SHRUBS
- 10 SF OF GRASSES OR GROUNDCOVERS
- 6 LINEAR FEET PER PLANTING AREA (MINIMUM)

* ALL REQUIREMENTS ARE PER 10 FT OF PUBLIC AREA BUILDING PERIMETER.

YORK COUNTY LANDSCAPE REQUIREMENTS

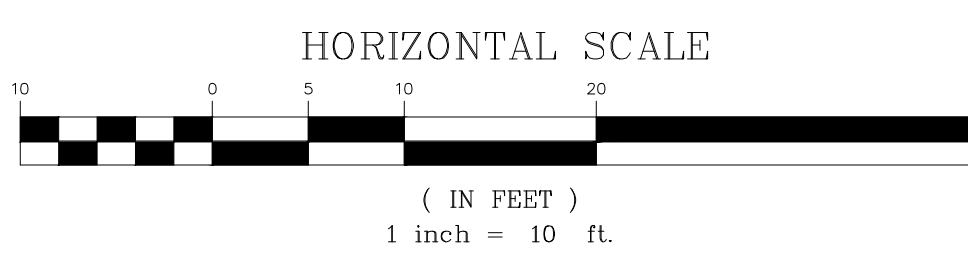
(155.811) FOUNDATION LANDSCAPING:
A-5. PLANTER BOXES MAY BE USED FOR FOUNDATION LANDSCAPING IF THE CONTAINERS COMPLEMENT THE ARCHITECTURAL DESIGN OF THE BUILDING.

B-3. THE BUILDING PERIMETER MEASUREMENT DOES NOT INCLUDE PORTIONS OF THE FACADE THAT FACE LOADING AND SERVICE AREAS, WOODED AREAS, OR OTHER AREAS NOT NORMALLY VISIBLE TO THE PUBLIC VISITING THE SITE.

(154.28) PARKING AREA LANDSCAPING:
A-4. EACH LANDSCAPED AREA SHALL INCLUDE AT LEAST ONE TREE. EACH PARKING SPACE SHALL BE NO MORE THAN 50' FROM A TREE TRUNK.

LANDSCAPE REQUIREMENTS

LOCATION	BUFFER TYPE	REQUIREMENTS	PROPOSED	EXISTING	TOTAL	PERIMETER LENGTH
NEW GATE HOUSE	FOUNDATION PLANTINGS	1 SMALL/MEDIUM TREES 12 SHRUBS 30 SF GRASSES 18 LINEAR FEET (PER PLANTING AREA)	3 SMALL/MEDIUM TREES 12 SHRUBS 30 SF GRASSES 18 LINEAR FEET (PER PLANTING AREA)	0 0 0 0	3 12 30 SF 20 FT	30 FEET

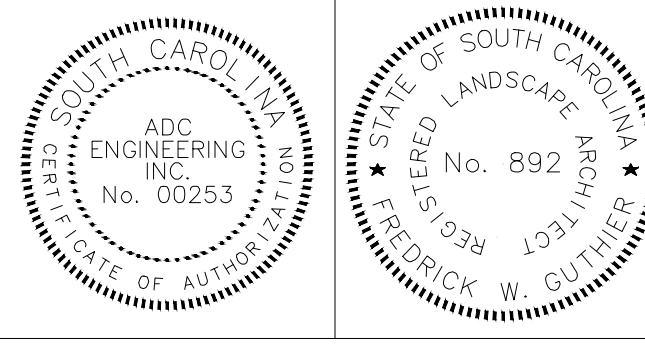


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ADCENGINEERING.COM

YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

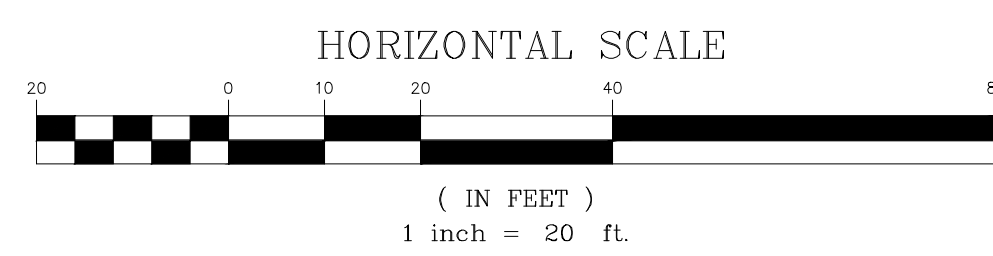
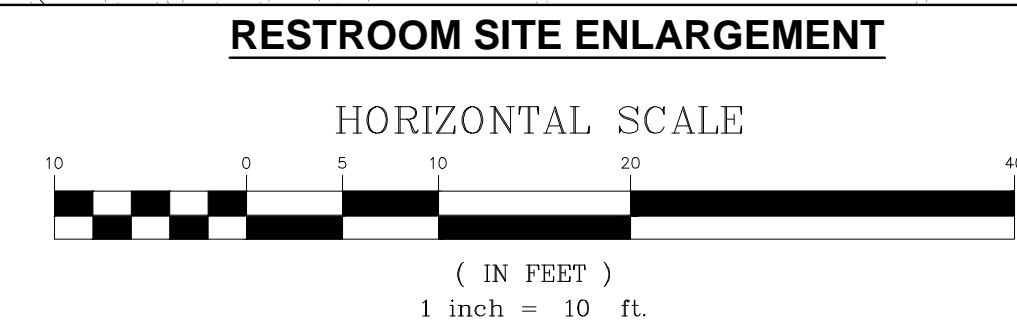
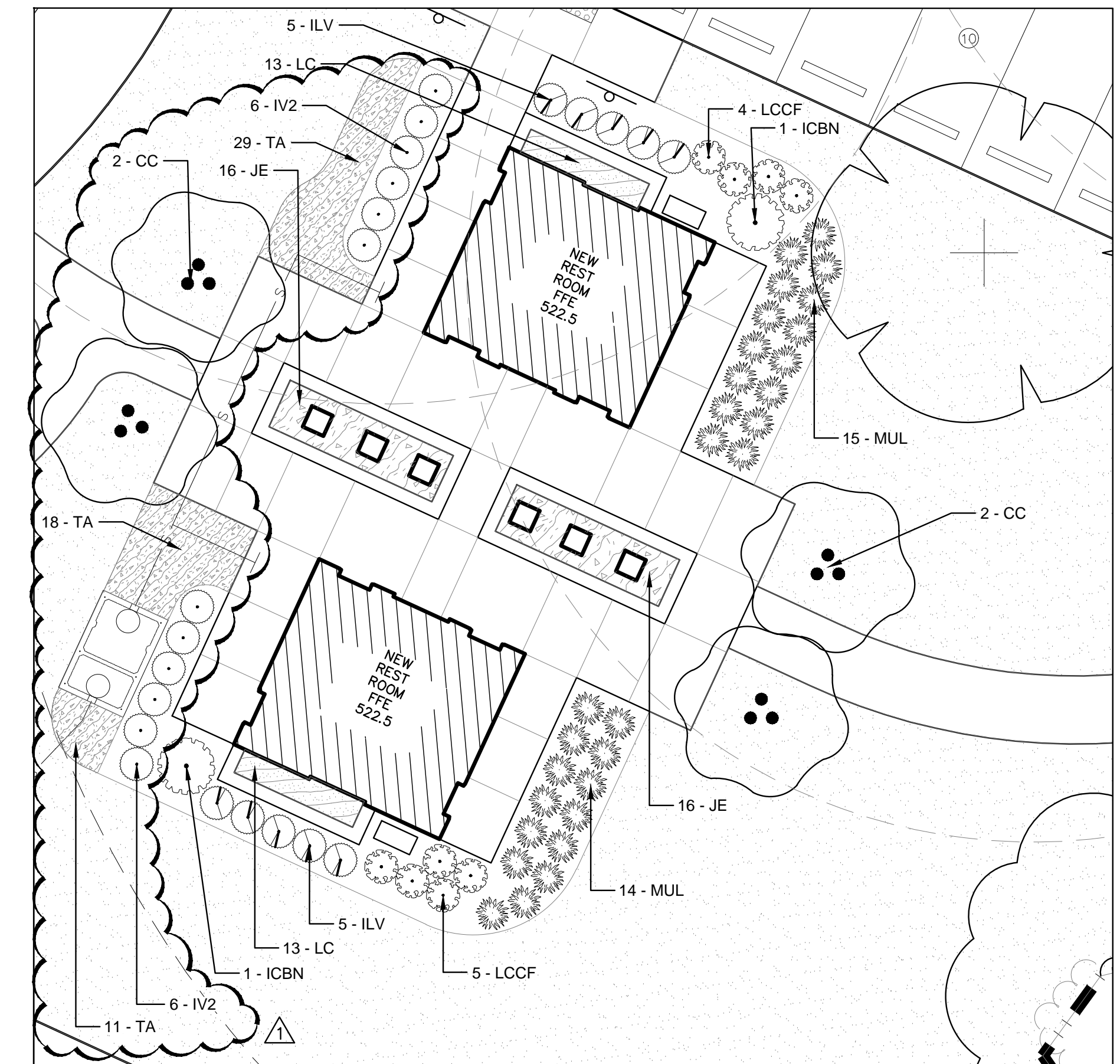
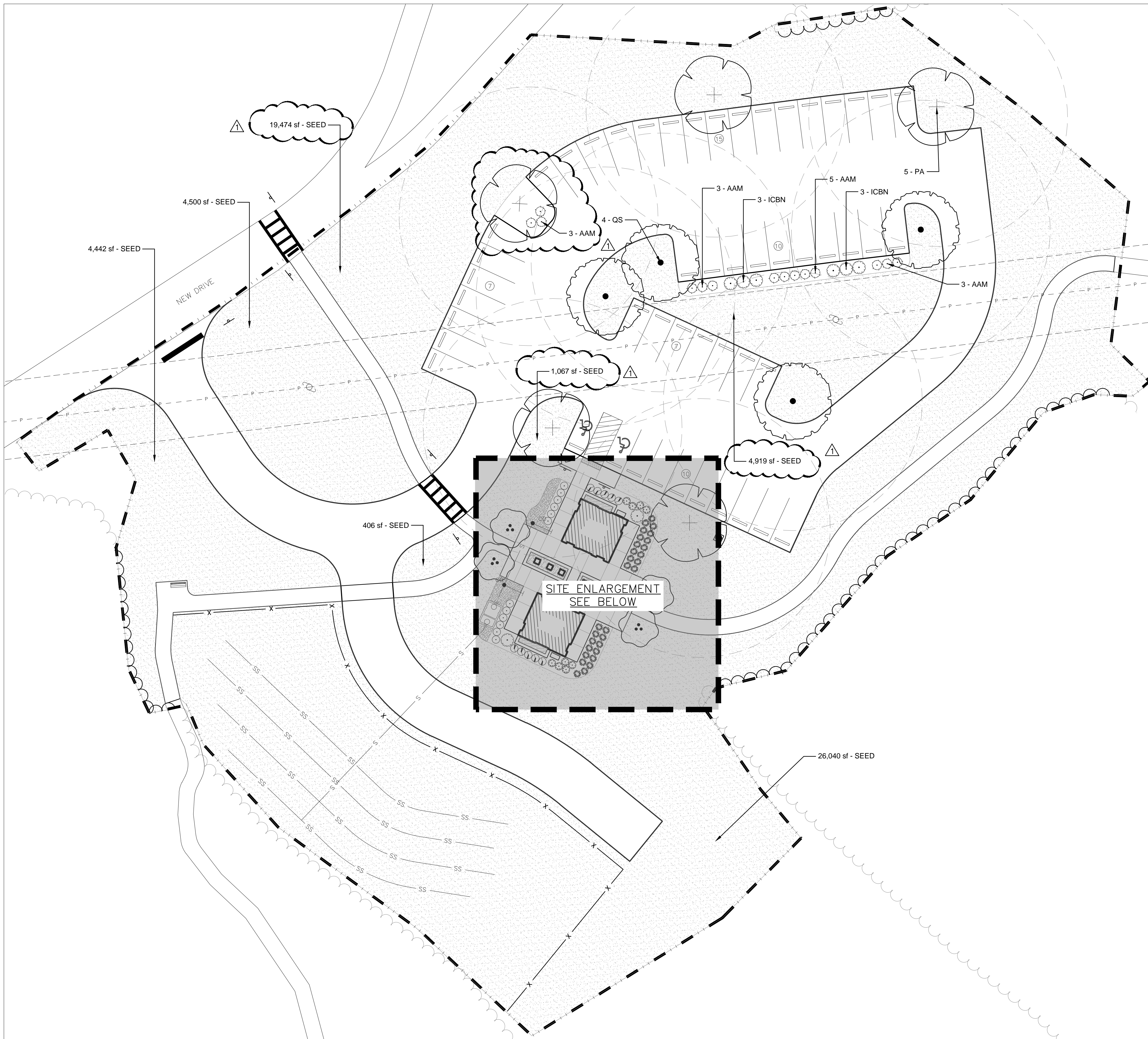
2371 NEELY STORE ROAD
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LANDSCAPE PLANTING PLAN - ENTRANCE GATE

L302



PLANTING NOTES:

1. INSTALL TRENCH EDGING IN ALL AREAS WHERE PLANT BEDS ARE ADJACENT TO LAWN AREAS AND AROUND ALL TREES LOCATED IN LAWN AREAS. SEE DETAIL ON SHEET L400 FOR MORE INFORMATION.
2. THE CONTRACTOR SHALL LOCATE ALL PROPOSED & EXISTING UTILITIES PRIOR TO THE BEGINNING OF WORK. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES THAT ARE DISTURBED AS A RESULT OF THE WORK.
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6. PROVIDE EROSION CONTROL DEVICES WHERE EROSION KEEPS OCCURRING (SEE CIVIL PACKAGE FOR SITE EROSION CONTROL PLAN).
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8. CONTRACTOR SHALL RE-SPREAD EXISTING TOPSOIL STOCKPILED ON SITE, AND SHALL PROVIDE SUPPLEMENTAL TOPSOIL AS NEEDED. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.
9. ALL PLANT BEDS SHALL RECEIVE A WEED INHIBITOR ("PREEN" OR EQUAL).

NOTE :

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FOUNDATION PLANTING REQUIREMENTS

- FOR COMMERCIAL :
- 0.25 SMALL OR MEDIUM MATURING TREES
 - 4 SHRUBS
 - 10 SF OF GRASSES OR GROUNDCOVERS
 - 6 LINEAR FEET PER PLANTING AREA (MINIMUM)
- * ALL REQUIREMENTS ARE PER 10 FT OF PUBLIC AREA BUILDING PERIMETER.

YORK COUNTY LANDSCAPE REQUIREMENTS

- (155.811) FOUNDATION LANDSCAPING:
 A-5. PLANTER BOXES MAY BE USED FOR FOUNDATION LANDSCAPING IF THE CONTAINERS COMPLEMENT THE ARCHITECTURAL DESIGN OF THE BUILDING.
- B-3. THE BUILDING PERIMETER MEASUREMENT DOES NOT INCLUDE PORTIONS OF THE FACADE THAT FACE LOADING AND SERVICE AREAS, WOODED AREAS, OR OTHER AREAS NOT NORMALLY VISIBLE TO THE PUBLIC VISITING THE SITE.
- (154.028) PARKING AREA LANDSCAPING:
 A-3. AN AREA EQUAL TO AT LEAST 5% OF THE TOTAL IMPERVIOUS SURFACE AREA ON A LOT SHALL BE PLANTED WITH SHRUBS, GRASSES, AND GROUNDCOVERS. LANDSCAPED AREAS SHALL NOT BE PLACED AROUND THE PARKING PERIMETER.
- * 5% OF 8255 SQ FT (TOTAL IMPERVIOUS AREA) = 413 SQ FT (MIN.)
 - * 545 SQUARE FEET (PROVIDED PLANTING AREA)
- A-4. EACH LANDSCAPED AREA OR ISLAND SHALL INCLUDE AT LEAST ONE TREE. EACH PARKING SPACE SHALL BE NO MORE THAN 50' FROM A TREE TRUNK.

LANDSCAPE REQUIREMENTS

LOCATION	BUFFER TYPE	REQUIREMENTS	PROPOSED	EXISTING	TOTAL	PERIMETER LENGTH
NEW RESTROOM (NORTH)	FOUNDATION PLANTINGS	2 SMALL/MEDIUM TREES	2 SMALL/MEDIUM TREES	0	2	76 FEET
		31 SHRUBS	31 SHRUBS	0	31	
		76 SF GROUNDCOVER	89 SF GROUNDCOVER	0	89 SF	
NEW RESTROOM (SOUTH)	FOUNDATION PLANTINGS	2 SMALL/MEDIUM TREES	2 SMALL/MEDIUM TREES	0	2	76 FEET
		31 SHRUBS	31 SHRUBS	0	31	
		76 SF GROUNDCOVER	85 SF GROUNDCOVER	0	85 SF	
PARKING LOT	PARKING AREA LANDSCAPING	9 TREES	9 TREES	0	9	---
			14 SHRUBS	0	14	

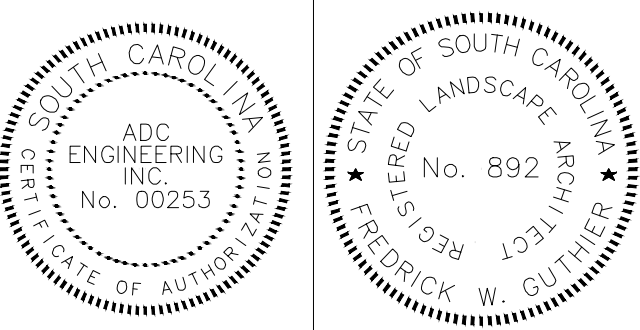
CRAIG GAULDEN DAVIS

• Architecture

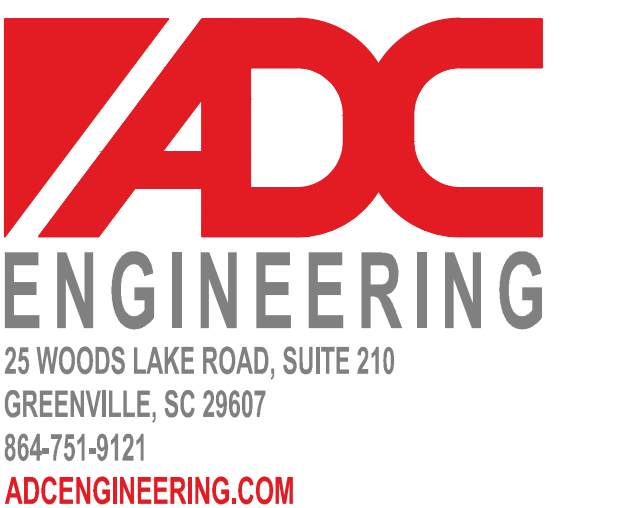
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CONSULTANT



YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

2371 NEELY STORE ROAD
 ROCK HILL, SC 29730

DATE	MARK	DESCRIPTION
05/17/2024	1	PERMIT REVISIONS

ISSUE: CONSTRUCTION DOCUMENTS

DATE: 03.08.2024

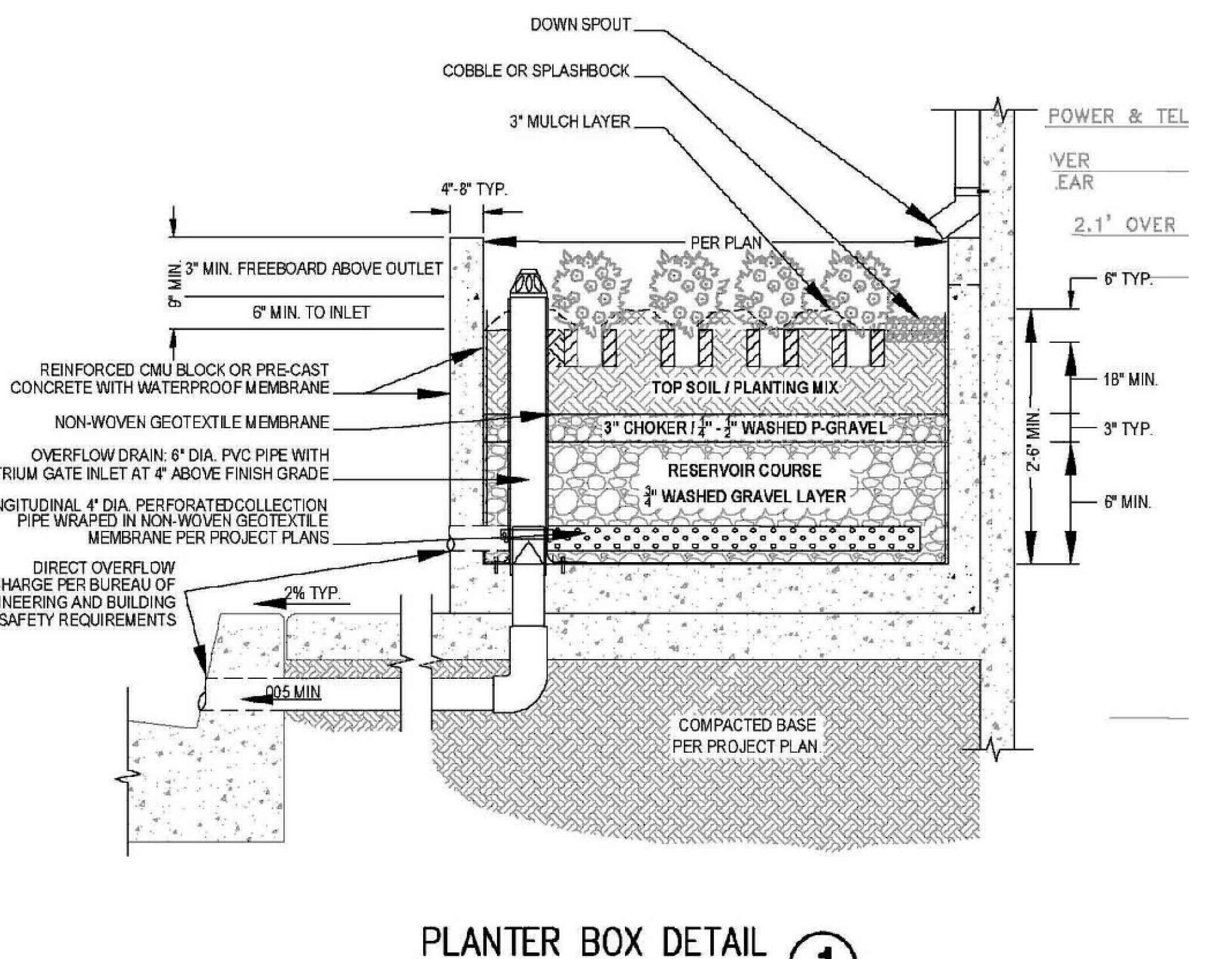
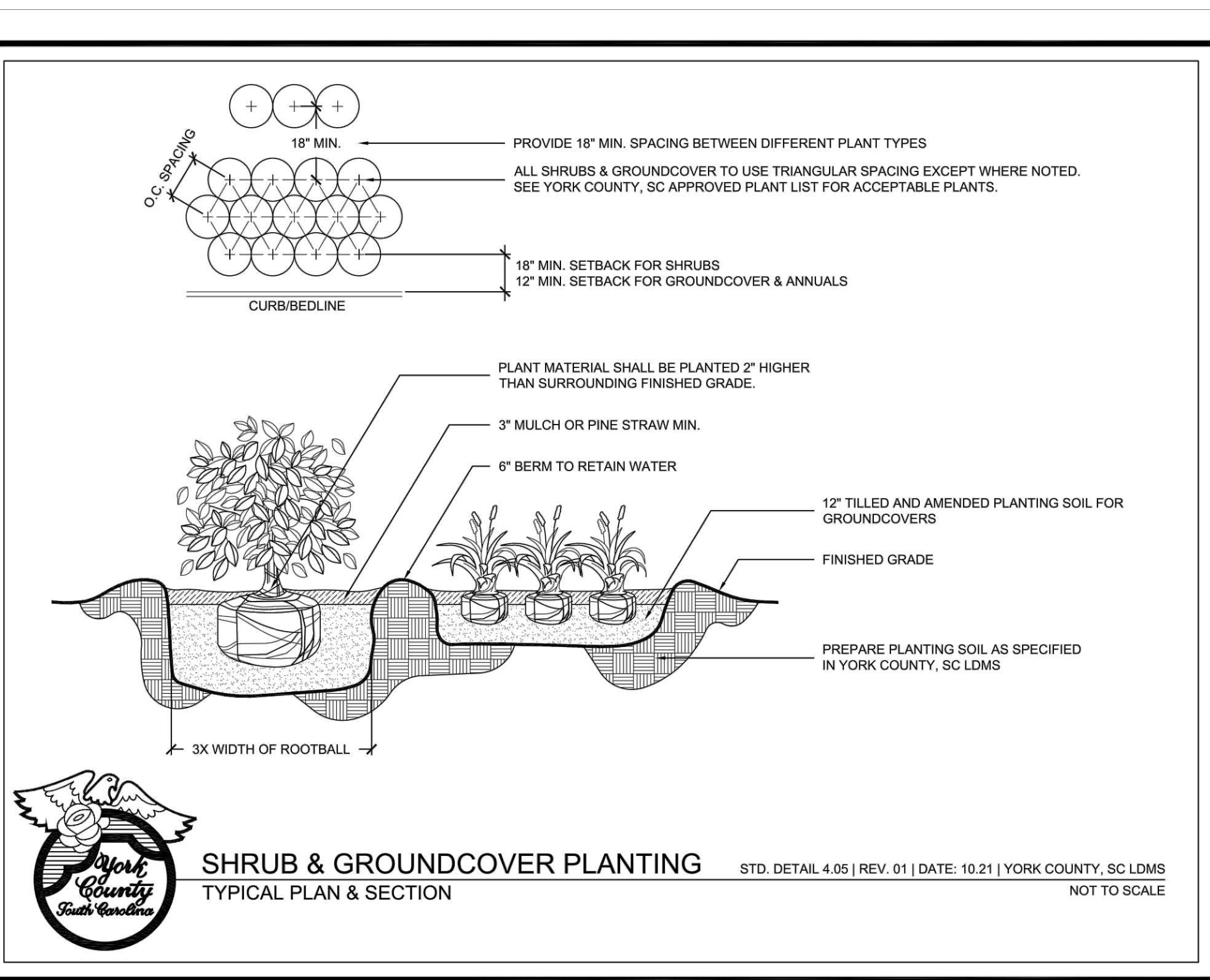
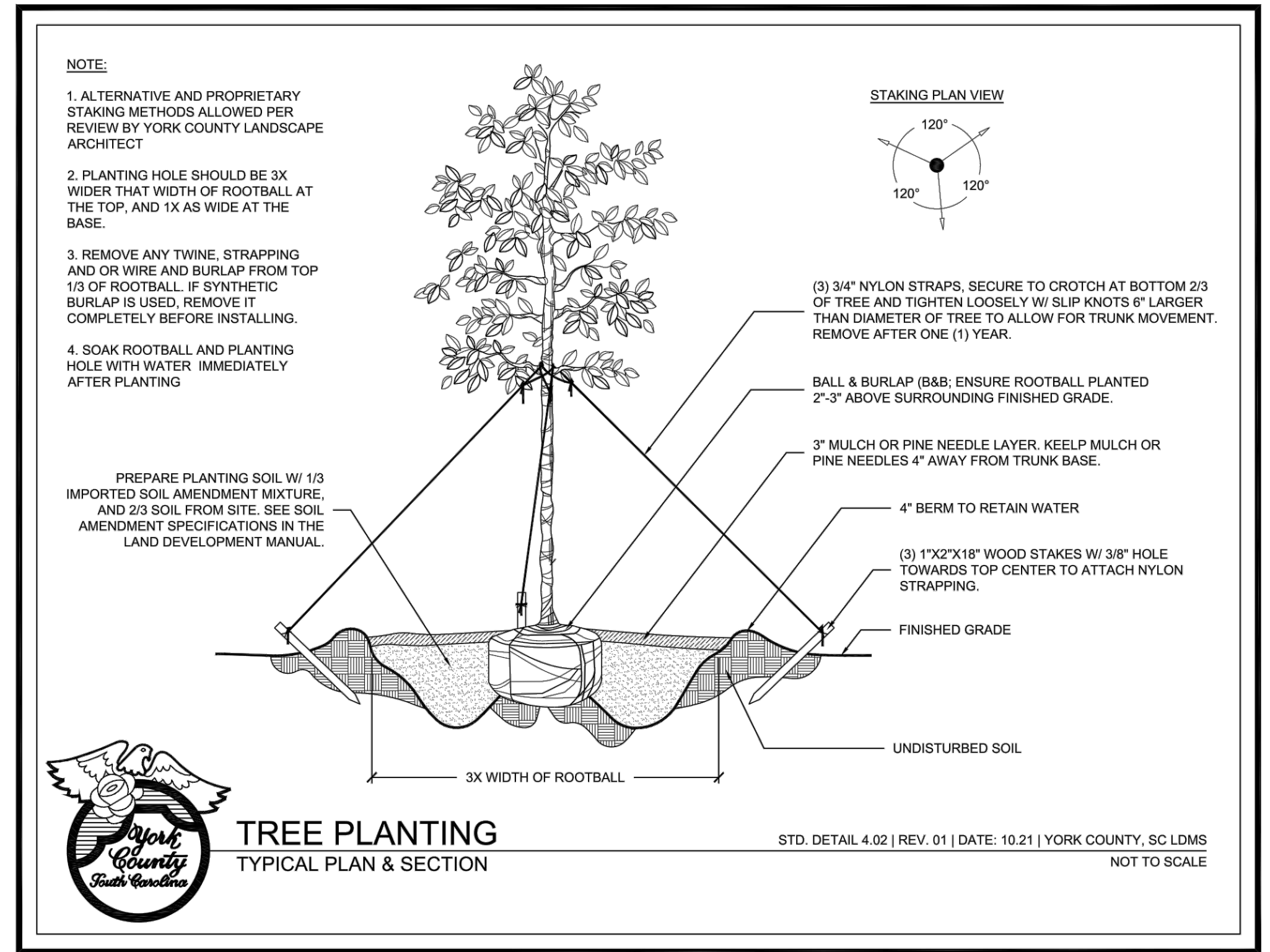
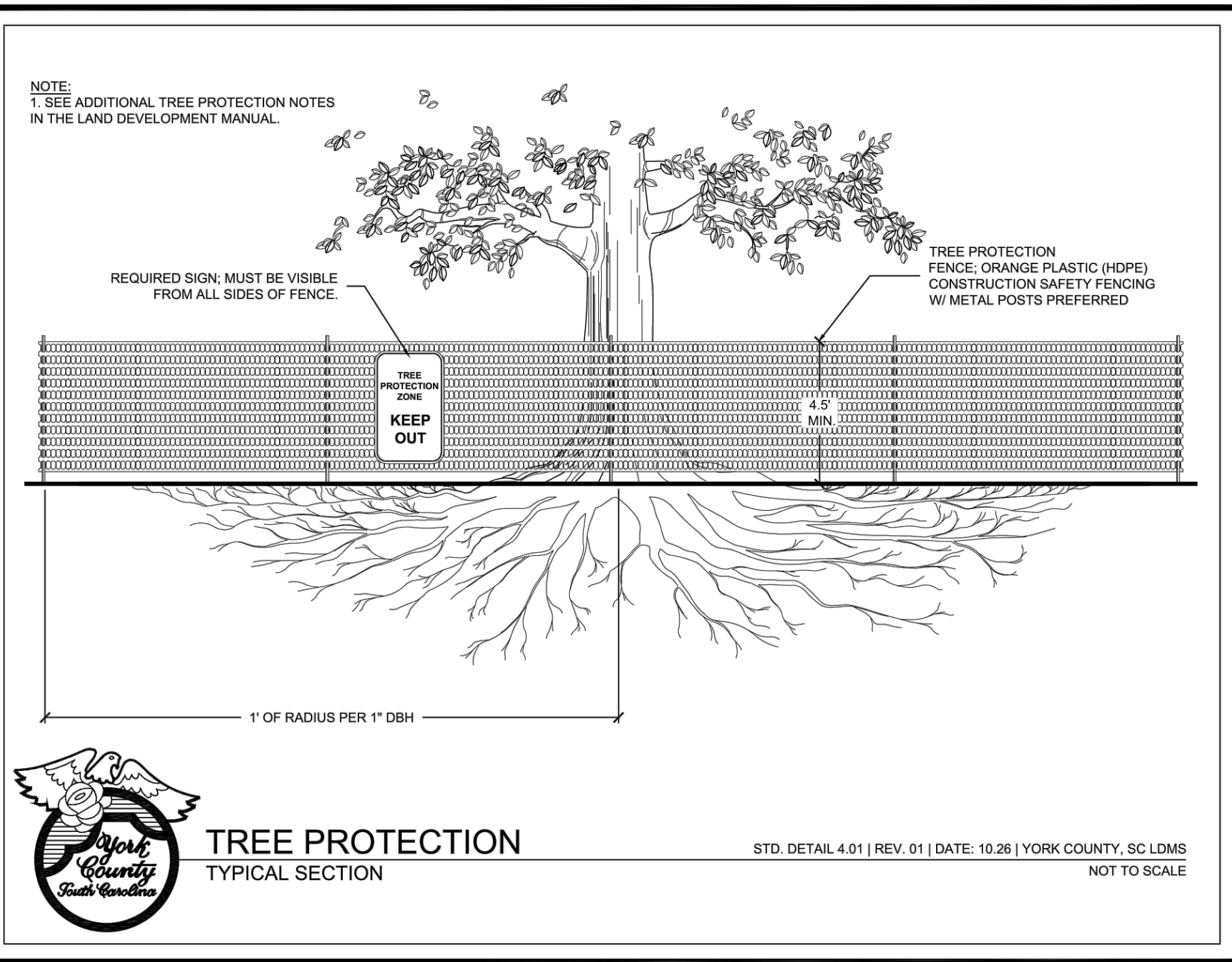
PROJECT NO: 23261

DRAWN BY: NCM

CHECKED BY: FWG

LANDSCAPE PLANTING PLAN - RESTROOMS

L303



GENERAL PLANTING NOTES

- INSTALL TRENCH EDGING IN ALL AREAS WHERE PLANT BEDS ARE ADJACENT TO LAWN AREAS AND AROUND ALL TREES LOCATED IN LAWN AREAS. SEE ADJACENT DETAIL FOR MORE INFORMATION.
- ALL PLANT BEDS SHALL BE MULCHED WITH DOUBLE-SHREDED HARDWOOD MULCH TO A MINIMUM DEPTH OF 3". CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE FROM ALL PLANT BEDS AND NEW CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ALL GRASSED AREAS, INCLUDING THE REPAIR OF EROSION AREAS, UNTIL GRASS HAS REACHED THE LEVEL OF FINAL ACCEPTANCE & THROUGHOUT THE MAINTENANCE CONTRACT PERIOD IF APPLICABLE.
- ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION SHALL BE REPAIRED, GRADED, & GRASSED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL RE-SPREAD EXISTING TOPSOIL STOCKPILED ON SITE, AND SHALL PROVIDE SUPPLEMENTAL TOPSOIL AS NEEDED. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.
- ALL PLANT BEDS SHALL RECEIVE A WEED INHIBITOR ("PREEN" OR EQUAL).
- QUANTITIES LISTED ARE AN ESTIMATE FOR THE CONTRACTOR'S CONVENIENCE. CONTRACTOR MUST VERIFY COUNT FROM PLAN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. COMPENSATION BY OWNER SHALL NOT BE IN ORDER FOR MISCALCULATIONS. SUBSTITUTIONS WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL OF LANDSCAPE ARCHITECT AND OWNER.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY CONTRACTOR FOR A MINIMUM PERIOD OF ONE YEAR FROM DATE OF COMPLETION AND ACCEPTANCE BY OWNER.
- PLANTING SHALL BE DONE ACCORDING TO SPECIFICATIONS DEVELOPED FROM THE MOST RECENT EDITION OF THE "BEST MANAGEMENT PRACTICES FOR TREE PLANTING", PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (WWW.ISA-ARBOR.COM), (ORD. 055-12HR; 10-16-12).
- THE HEIGHT-TO-TRUNK CALIPER RATIO, ROOT BALL SIZES, OR SPREAD RELATIONSHIP FOR ANY TREE TO BE PLANTED SHALL MEET THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

TREE PROTECTION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING DAMAGE TO EXISTING TREES LOCATED ALONG ACCESS AND HAUL ROADS, AND ADJACENT TO, OR WITHIN BUILDING CONSTRUCTION SITES AND MATERIAL AND EQUIPMENT STORAGE AREAS. THOSE TREES TO BE SAVED SHALL BE FLAGGED BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR WILL PROVIDE NECESSARY BARRICADES AND FENCING SO AS TO DIVERT AND DIRECT VEHICULAR AND PEDESTRIAN TRAFFIC AWAY FROM TREES. THE BARRICADES AND FENCING TYPE SHALL BE AS SHOWN ON THE CIVIL CONSTRUCTION DOCUMENTS.
- MATERIALS SHALL NOT BE STORED, NOR VEHICLES PARKED WITHIN THE DRIP-LINE OF THE TREES UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT OR OWNER.
- VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN OVER EXPOSED ROOTS AND ROADS SHALL NOT BE LOCATED WITHIN THE DRIP-LINE OF TREES UNLESS APPROVAL IS OBTAINED FROM THE LANDSCAPE ARCHITECT.
- ALL TREES INTENDED TO BE SAVED WHICH HAVE BEEN DAMAGED DUE TO CONSTRUCTION PRACTICES, SHALL BE INSPECTED AND TREATED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.
- NO CUTTING OR FILLING OF EXISTING GRADE, TRENCHING, OR PRUNING SHALL OCCUR UNLESS SPECIFICALLY DIRECTED BY THE CONSTRUCTION DOCUMENTS, OR THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT AND OWNER.
- NO BURNING OF TRASH IS ALLOWED WITHIN 75' OF EXISTING TREES. CARE SHALL BE TAKEN TO PREVENT ANY SMOKE DAMAGE TO TREES.

TREE MAINTENANCE

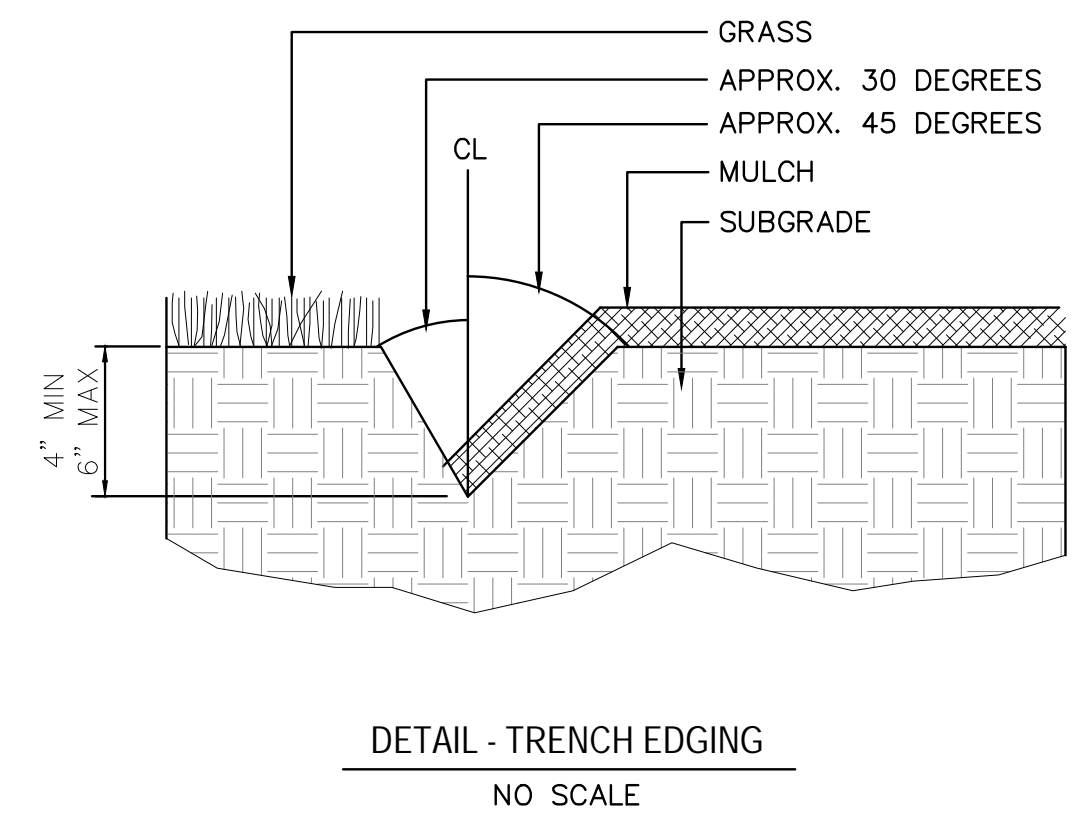
- FERTILIZATION**
TREES SHALL BE INSPECTED YEARLY BY A CERTIFIED ARBORIST AND PROPERLY PRUNED AS REQUIRED. ALL WEAK GROWTH SHALL BE REMOVED. ALL BRANCHES OVER 1" DIAMETER SHALL BE REMOVED BY THE DOUBLE CUT METHOD AND TREATED AS NECESSARY TO PREVENT INFECTION. NEVER TOP OR SHEAR EXISTING TREES.
- PRUNING**
TREES SHALL BE INSPECTED YEARLY BY A CERTIFIED ARBORIST AND PROPERLY PRUNED AS REQUIRED. ALL WEAK GROWTH SHALL BE REMOVED. ALL BRANCHES OVER 1" DIAMETER SHALL BE REMOVED BY THE DOUBLE CUT METHOD AND TREATED AS NECESSARY TO PREVENT INFECTION. NEVER TOP OR SHEAR EXISTING TREES.
- SOIL**
THE EXISTING SOIL SHALL BE TESTED AT REGULAR INTERVALS BY A QUALIFIED SOILS LABORATORY. SOIL AMENDMENTS SHALL BE ADDED AS DIRECTED BY THE LABORATORY TO ENSURE THE PROPER SOIL PH.

YORK COUNTY STANDARD NOTES

- 4.6.6.4. SOIL AMENDMENT STANDARD NOTES**
- ALL PROPOSED PLANT MATERIAL SHALL INCLUDE AN IMPORTED SOIL AMENDMENT MIXTURE. IT SHALL BE PLACED IN THE PLANTING HOLE OF EACH PROPOSED PLANT, AND SHALL BE TILLED WITH THE SITE SOIL AT A RATIO OF 1/3 IMPORTED SOIL AMENDMENT MIXTURE AND 2/3 SITE SOIL.
 - THE IMPORTED SOIL AMENDMENT MIXTURE SHALL CONTAIN:
 - BALANCED TEXTURED SOIL. CLAY CONTENT SHALL NOT EXCEED FORTY-PERCENT (40%).
 - pH VALUE BETWEEN 5.5 AND 7.0
 - ORGANIC MATTER PERCENT BETWEEN 2-5% DRY WEIGHT.
 - THE IMPORTED SOIL AMENDMENT MIXTURE SHALL NOT CONTAIN ANY SOIL CLODS LARGER THAN TWO-INCHES (2") IN DIAMETER AND BE FREE AND CLEAR OF ROCKS OVER 1/2" INCH IN DIAMETER, AND FREE OF CONCRETE, TRASH, WEEDS AND SEEDS OF WEEDY SPECIES, PETROLEUM PRODUCTS, STICKS, ROOTS, AND TOXIC CHEMICALS OR OTHER DETRIMENTAL MATERIALS AND SUBSTANCES CONDUCTIVE TO SOIL PLANT AND HEALTH. THE SOIL SHALL ALSO BE FREE AND CLEAR OF FOUND SOIL-BORNE DISEASES.
- 4.6.6.5. WATERING STANDARD NOTES**
- ESTABLISHMENT WATERING PERIOD
 - ESTABLISHMENT PERIOD MINIMUM OF 6 MONTHS, BUT UP TO 1 YEAR AFTER PLANTINGS
 - 1ST 4 WEEKS - 3 WATERINGS PER WEEK
 - 2ND 4 WEEKS - 2 WATERINGS PER WEEK
 - UNTIL ESTABLISHMENT - 1 WATERING PER WEEK
 2. WATER APPLIED PER PLANT PER WATERING DURING ESTABLISHMENT PERIOD
 - 1 GALLON PLANTS - 2 GALLONS OF WATER
 - 3 GALLON PLANTS - 5 GALLONS OF WATER
 - 7 GALLON PLANTS - 8 GALLONS OF WATER
 - B&B TREES - 20 GALLONS OF WATER

NOTE:

- EXCAVATE TRENCH BY HAND WITH SPADE. ADD EXCESS SOIL TO ADJACENT PLANT BED AFTER PULLING BACK EXISTING MULCH. RAKE SOIL AND SMOOTH BEFORE MULCHING.
- TRENCH EDGING TO BE ADDED AT LEAST 3' AROUND ALL TREES LOCATED IN LAWN AREAS.



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	HEIGHT	CALIPER	QTY
UNDERSTORY TREES						
	CCJ	CERCIS CANADENSIS 'JAZZ' / THE RISING SUN™ REDBUD	CONTAINER	8 MIN. HT.	2" CAL.	9
	CC	CHIONANTHUS VIRGINICUS / AMERICAN FRINGETREE	CONTAINER	8 MIN. HT.	2" CAL.	4
	HV	HAMAMELIS VIRGINIANA / AMERICAN WITCHHAZEL	CONTAINER	8 MIN. HT.	2" CAL.	2

CANOPY TREES

	ILO	ILEX OPACA / AMERICAN HOLLY	B&B	8 MIN. HT.	2" CAL. MIN.	4
	MAG	MAGNOLIA GRANDIFLORA / SOUTHERN MAGNOLIA	B&B	10 MIN. HT.	2" CAL. MIN.	2
	PA	PLATANUS ACERIFOLIA / LONDON PLANE	B&B	10 MIN. HT.	2" CAL. MIN.	5
	QP	QUERCUS PHELLOS / WILLOW OAK	B&B	10 MIN. HT.	2" CAL. MIN.	42
	QS	QUERCUS SHUMARDII / SHUMARD OAK	B&B	10 MIN. HT.	2" CAL. MIN.	4

SHRUBS

	ABK	ABELIA X GRANDIFLORA KALEIDOSCOPE / GLOSSY ABELIA	CONTAINER	24" MIN. HT.	@ 3 O.C.	6
	AAM	AZALEA ENCORE AUTUMN MOONLIGHT™ / WHITE ENCORE AZALEA	CONTAINER	24" MIN. HT.	@ 4 O.C.	17
	ICBN	ILEX CORNUTA BURFORDII NANA / DWARF BURFORD HOLLY	CONTAINER	30" MIN. HT.	@ 5 O.C.	8
	ILC	ILEX GLABRA / INKBERRY HOLLY	CONTAINER	24" HT. MIN.	@ 5 O.C.	22
	ILV	ILEX VOMITORIA 'SCHILLINGS' / DWARF YAUPOIN HOLLY	CONTAINER	24" HT. MIN.	@ 3 O.C.	10
	IV2	ITEA VIRGINICA 'HENRY'S GARNET' / HENRY'S GARNET SWEETSPIRE	CONTAINER	18" MIN. HT.	@ 3 O.C.	21
	LCCF	LOROPETALUM CHINENSE CRIMSON FIRE / CRIMSON FIRE LOROPETALUM MAY SUBSTITUTE WITH RUBY	CONTAINER	30" MIN. HT.	@ 3 O.C.	15
	MUL	MUHLENBERGIA CAPILLARIS / PINK MUHLY	1 GAL.	12" HT. MIN.	@ 3 O.C.	41

EVERGREEN SHRUBS

	MGSC	MAGNOLIA GRANDIFLORA 'SOUTHERN CHARM' / TEDDY BEAR® SOUTHERN MAGNOLIA	CONTAINER	6 MIN. HT.	@ 10 O.C.	2
--	------	---	-----------	------------	-----------	---

GROUND COVERS

SEED	CYNODON DACTYLON / BERMIUDA GRASS	HYDROSEED	SEED	124,894 SF
JE	APPROXIMATE AREA ONLY. LIMITS OF DISTURBANCE MAY CHANGE.	1 GAL.	@ 24" O.C.	32
MIX	MEADOW GRASS SEED MIX SEE SPECS.	---	SEED	8,679

PERENNIALS

EB	ECHINACEA PURPUREA / PURPLE CONEFLOWER	CONTAINER	4" POTS	@ 18" O.C.	34
LC	LOBELIA SIPHILITICA / GREAT BLUE LOBELIA	CONTAINER	4" POTS	@ 18" O.C.	75
PS	PHLOX SUBULATA / CREEPING PHLOX	CONTAINER	4" POTS	@ 18" O.C.	87
TA	TRACHELOSPERMUM AISATICUM / ASIATIC JASMINE	CONTAINER	4" POTS	@ 18" O.C.	107

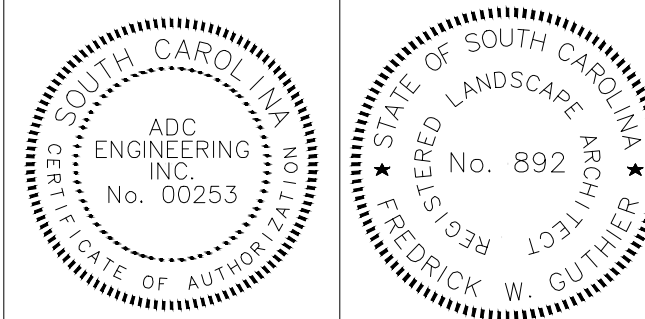
LANDSCAPE PLANT MATERIAL SHALL BE #1 QUALITY, AND MEET OR EXCEED ANLA STANDARDS. LANDSCAPE ARCHITECT SHALL REVIEW ALL PLANT MATERIAL PRIOR TO INSTALLATION. B992 LANDSCAPE ARCHITECT 48 HOURS PRIOR TO DELIVERY TO SCHEDULE PLANT REVIEW ON SITE. LANDSCAPE ARCHITECT/ OWNER RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL DEEMED UNFIT AND DOES NOT MEET THE HIGHEST STANDARDS.

CRAIG GAULDEN DAVIS
Architecture

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YORK COUNTY

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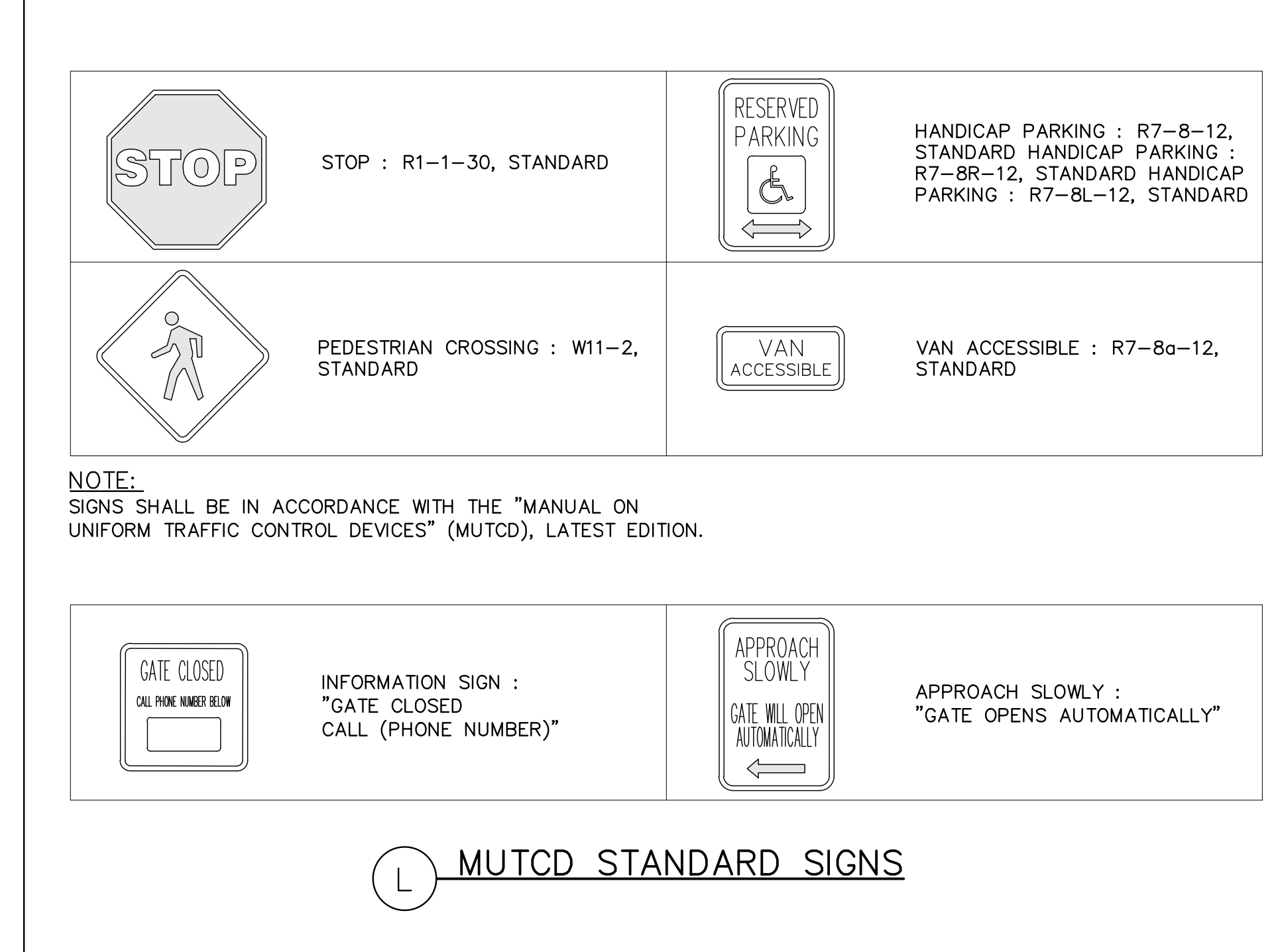
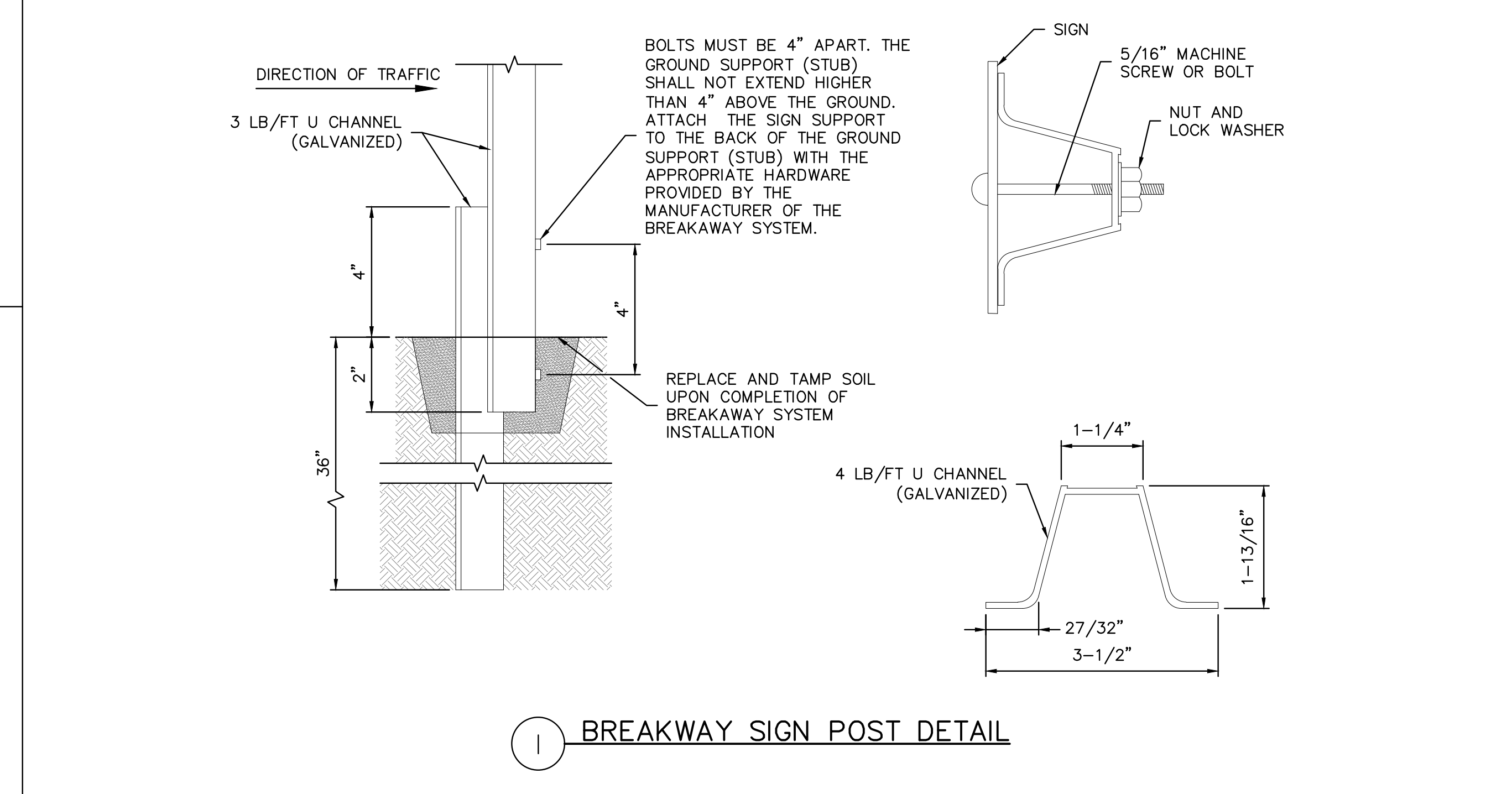
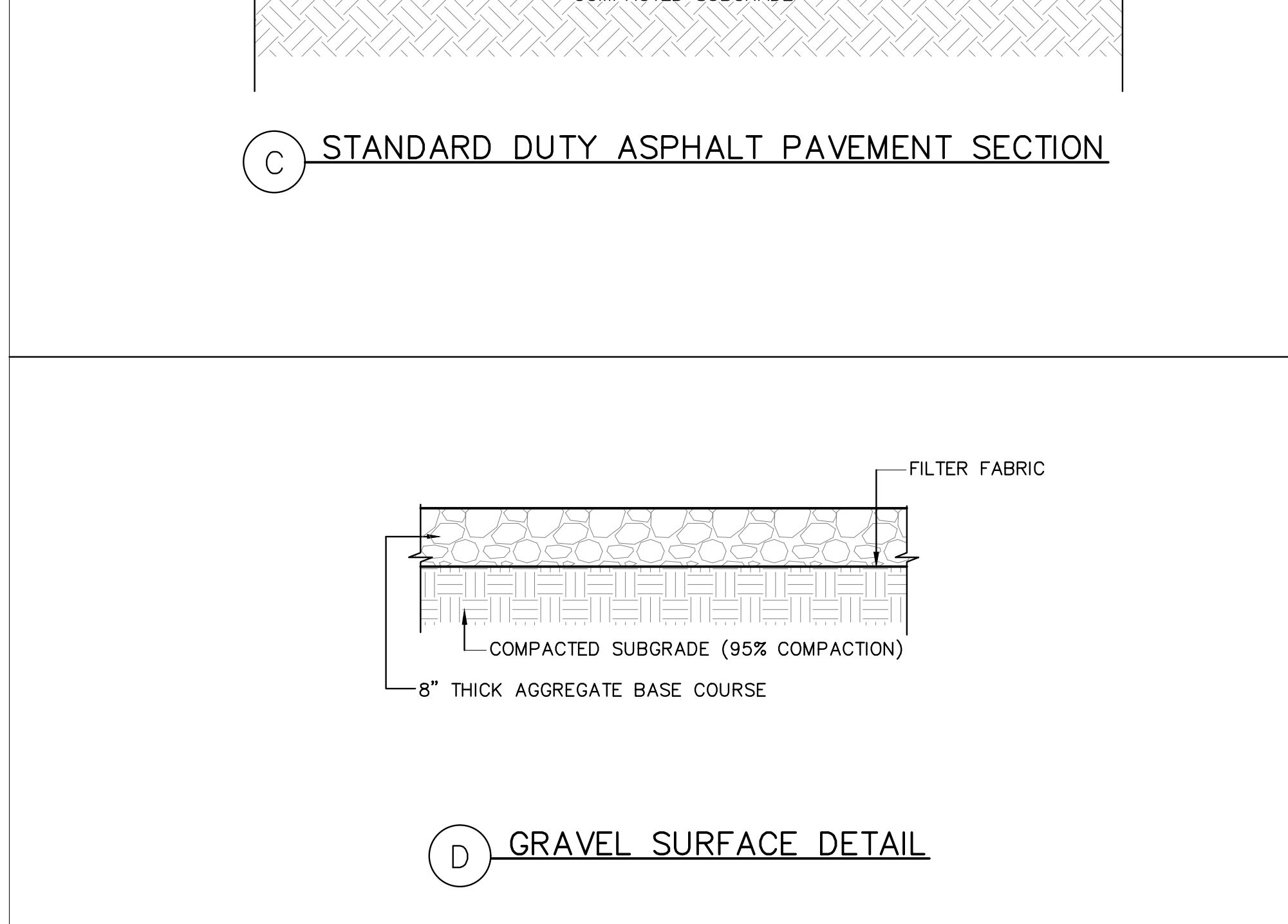
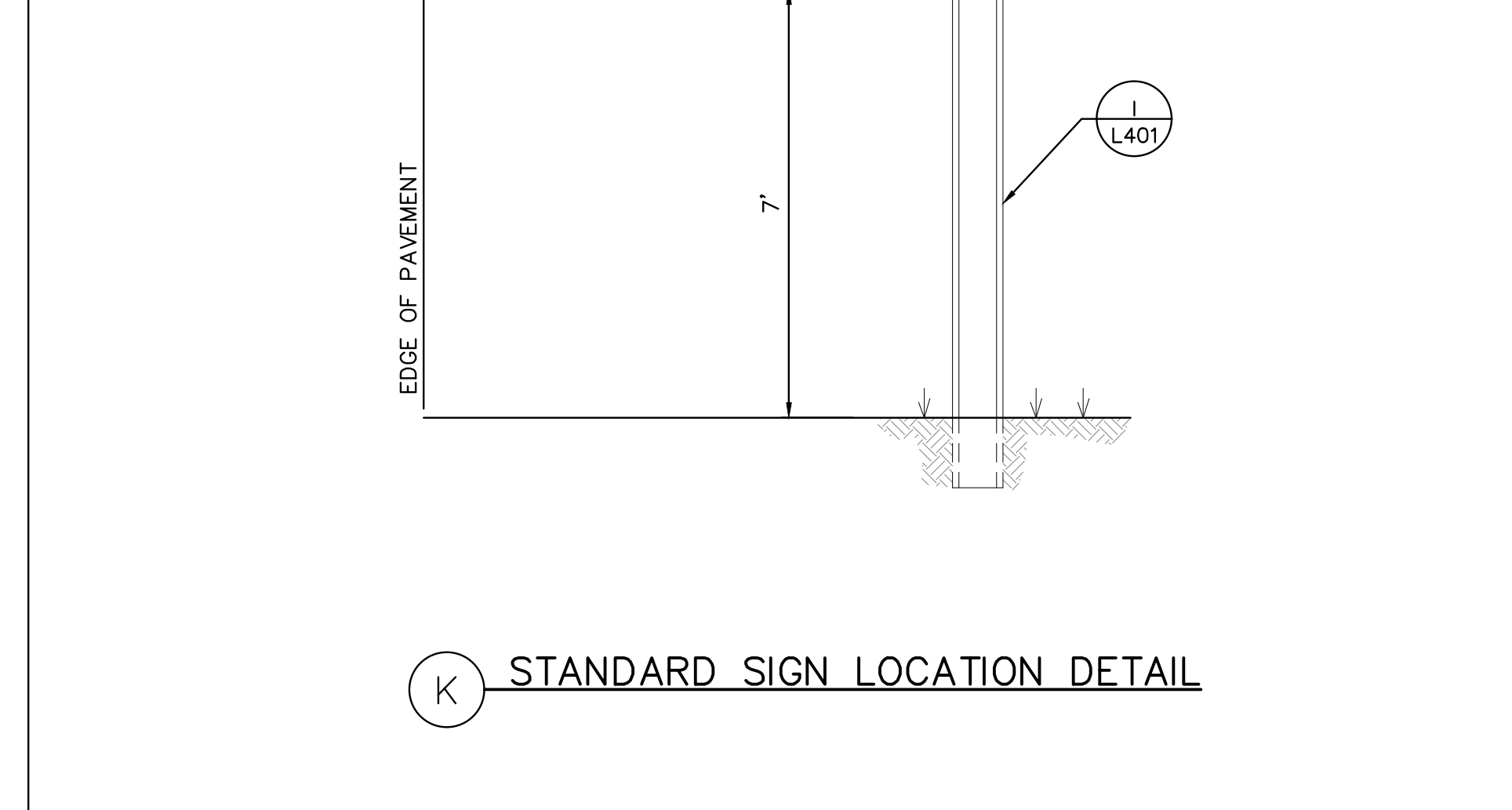
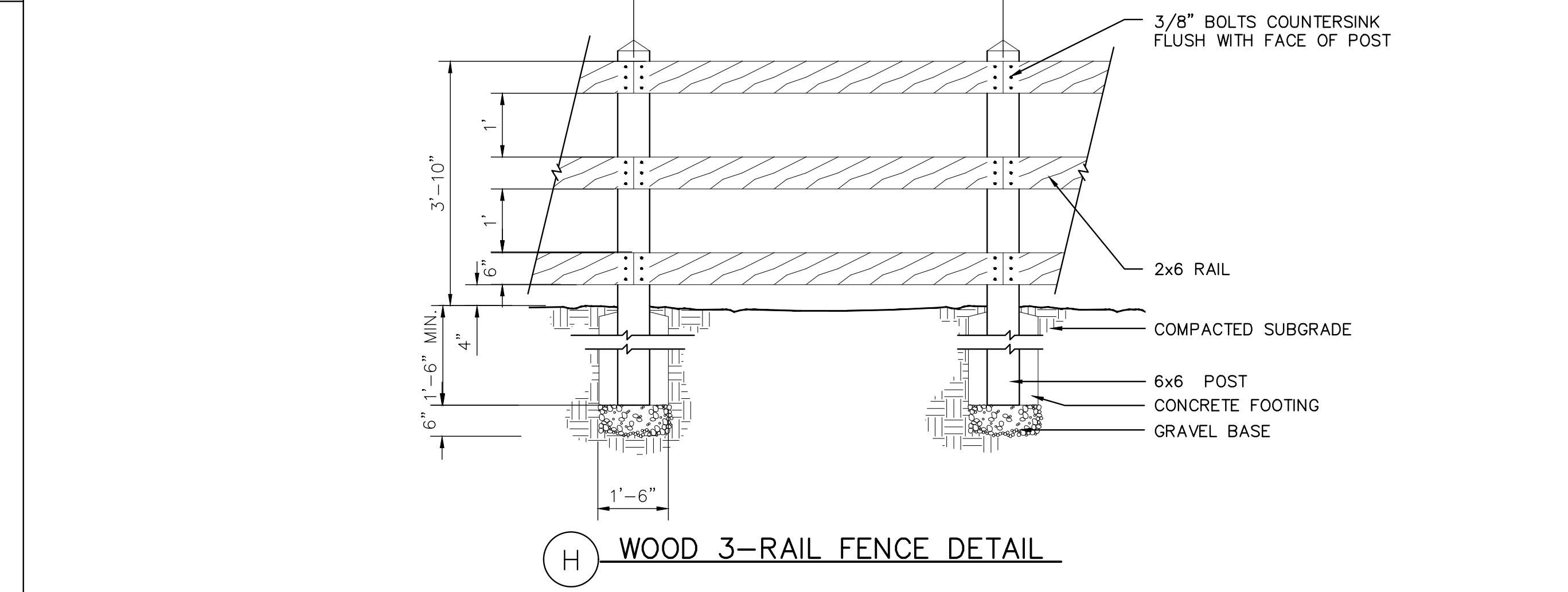
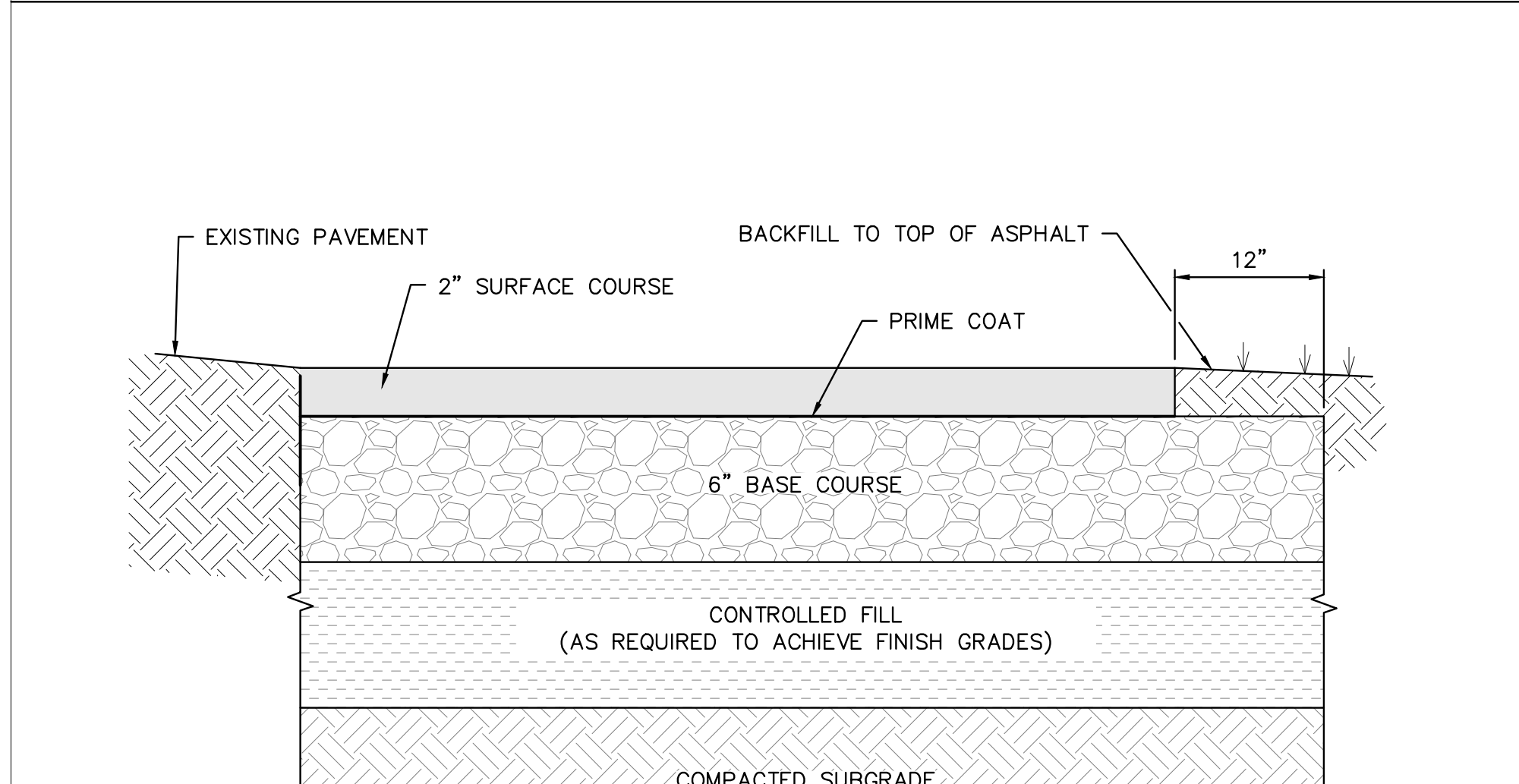
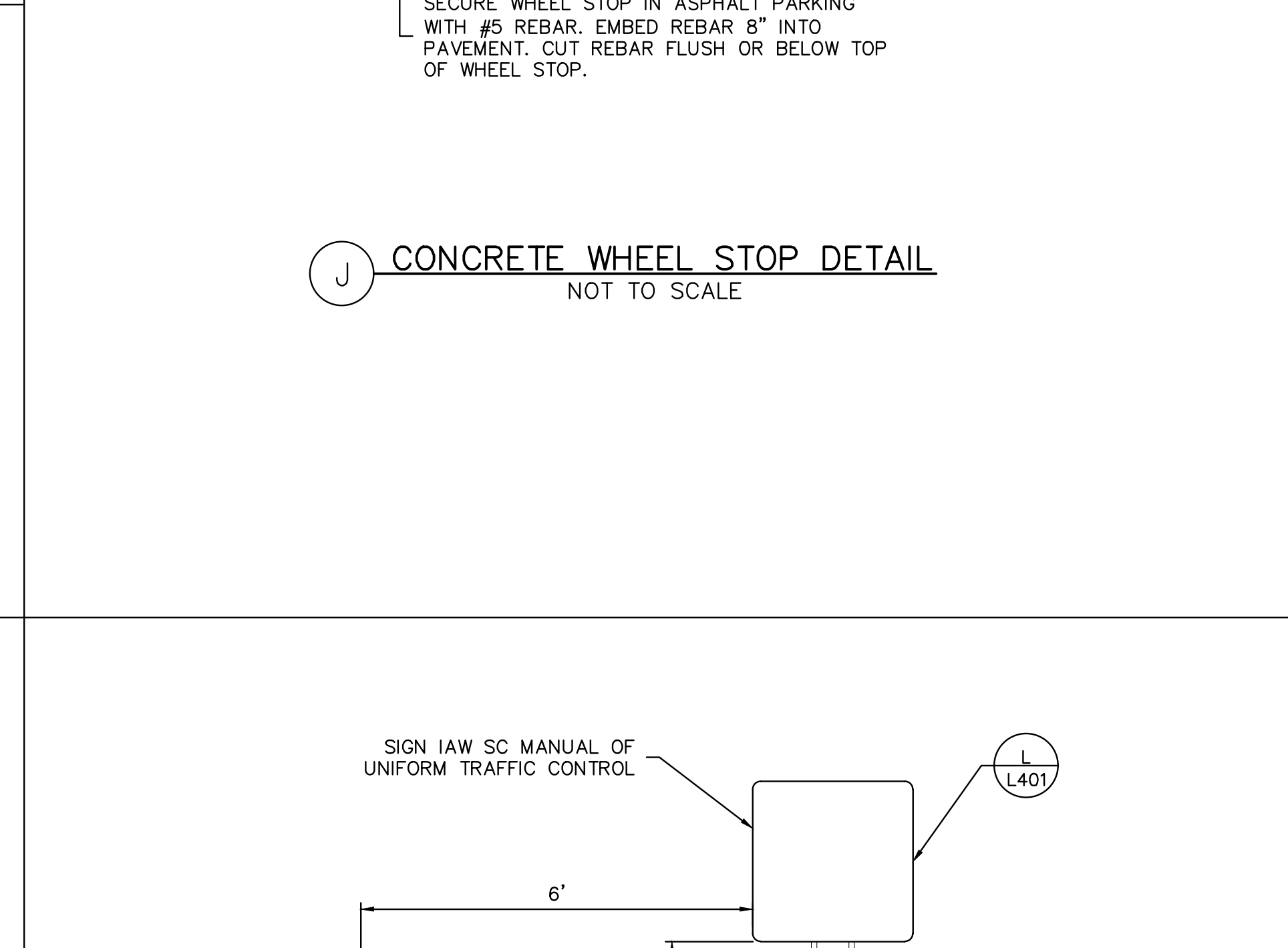
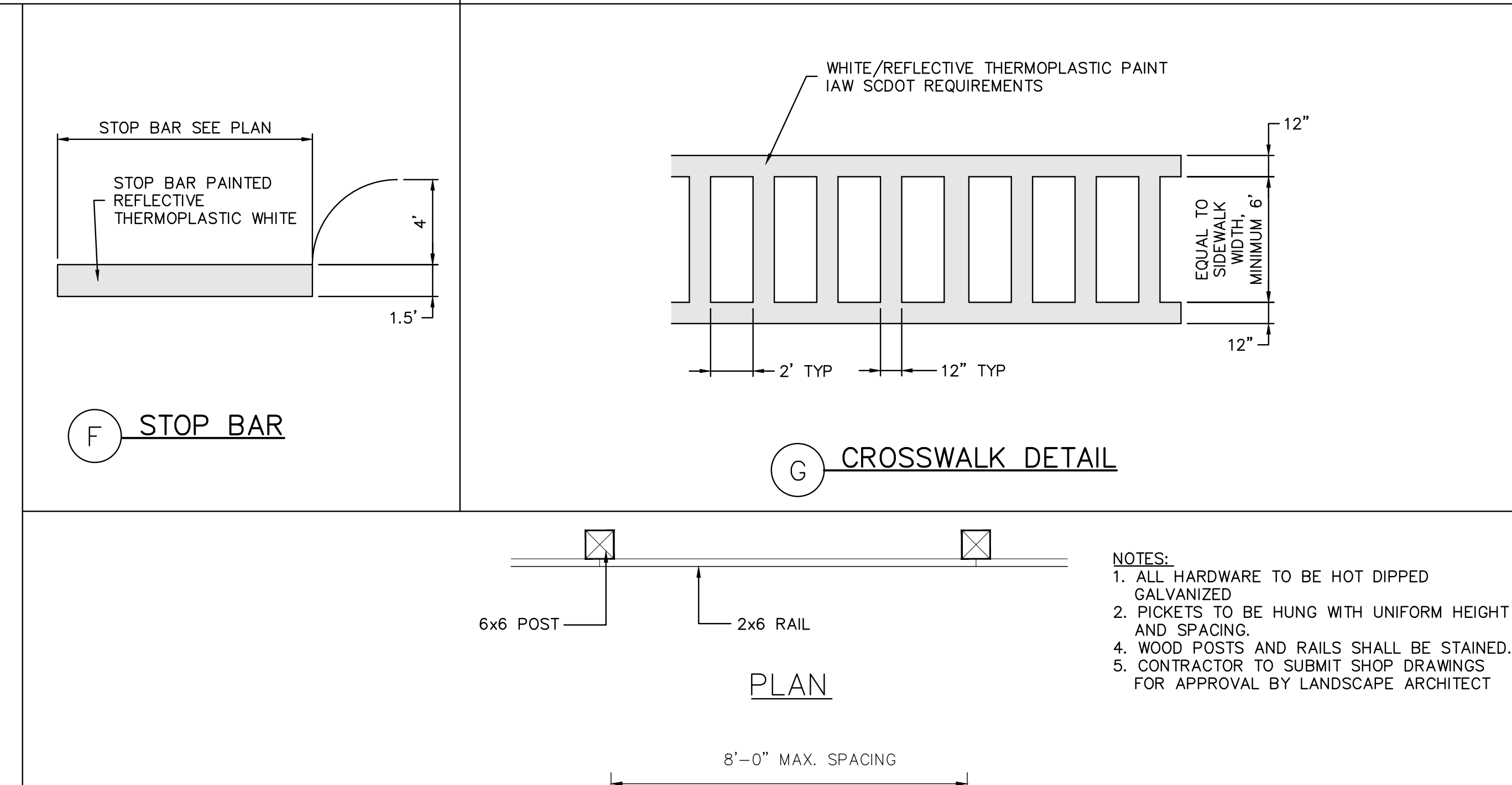
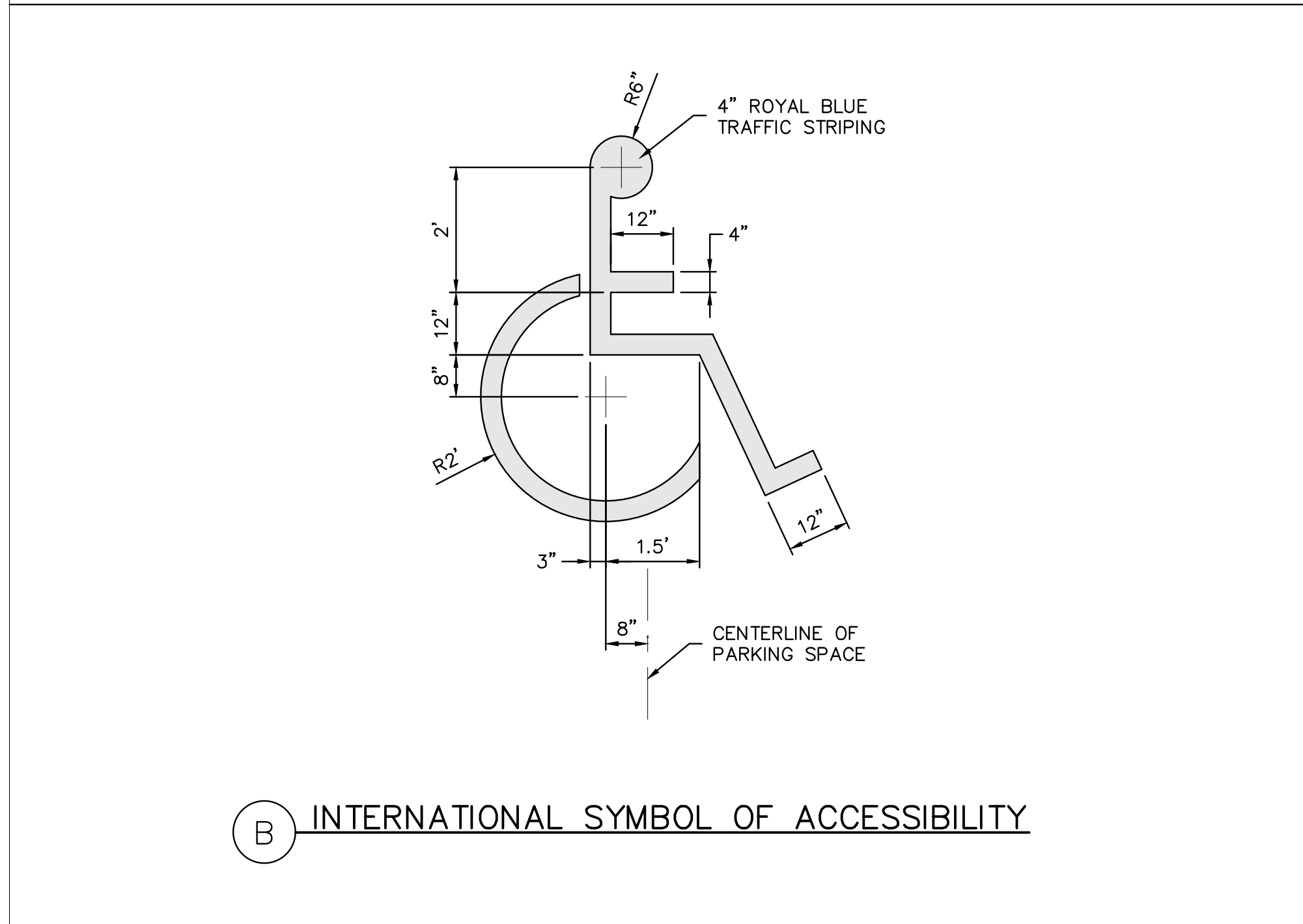
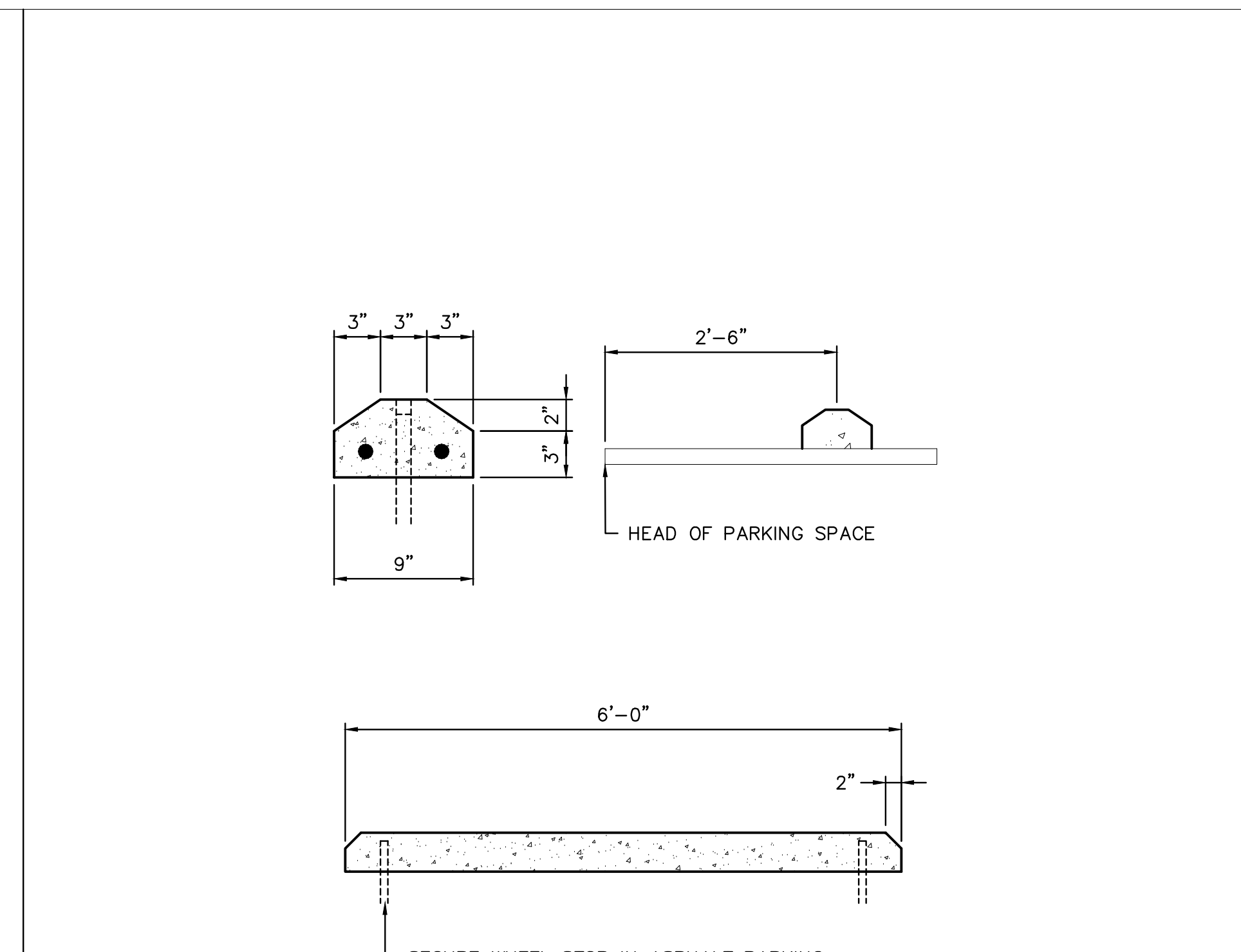
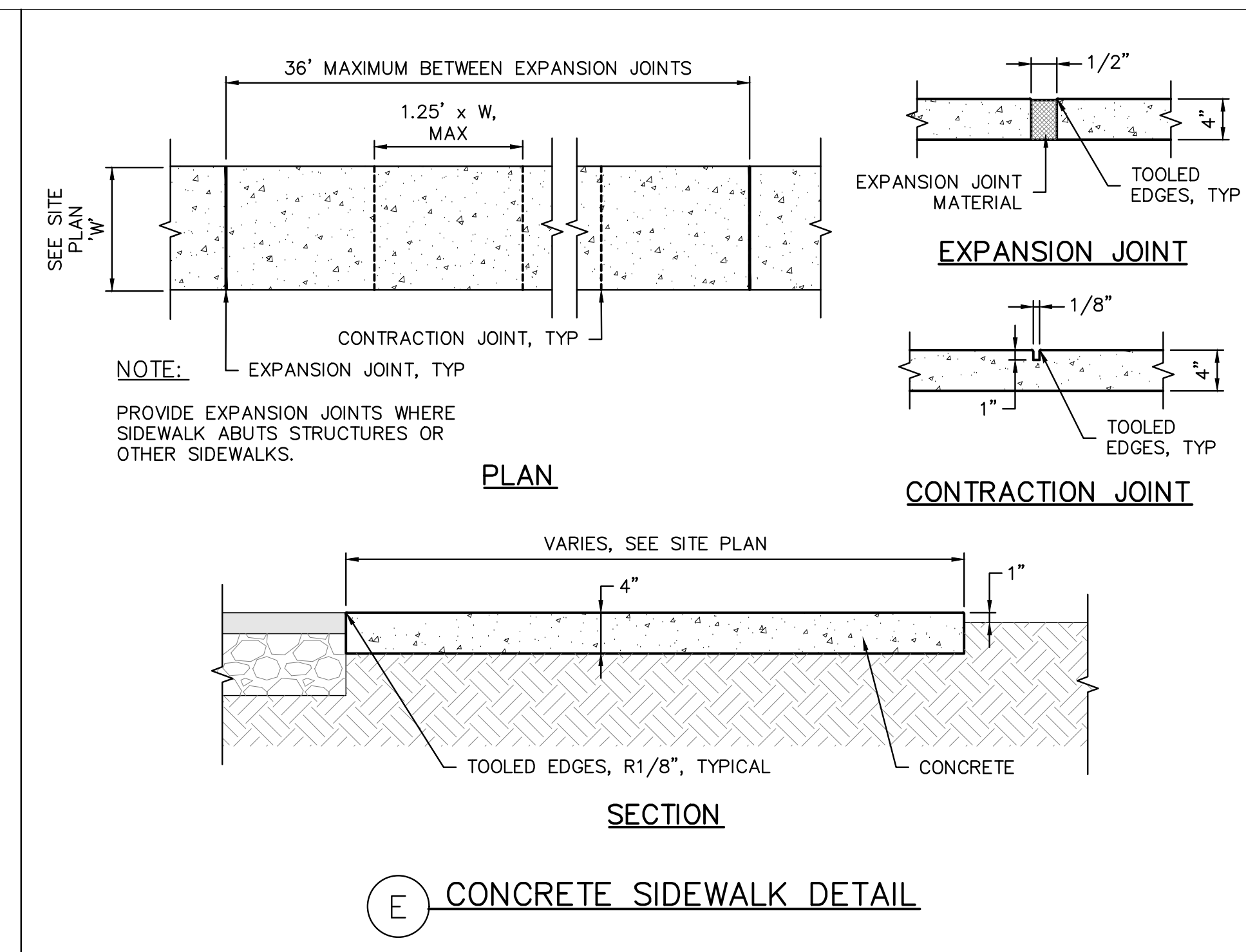
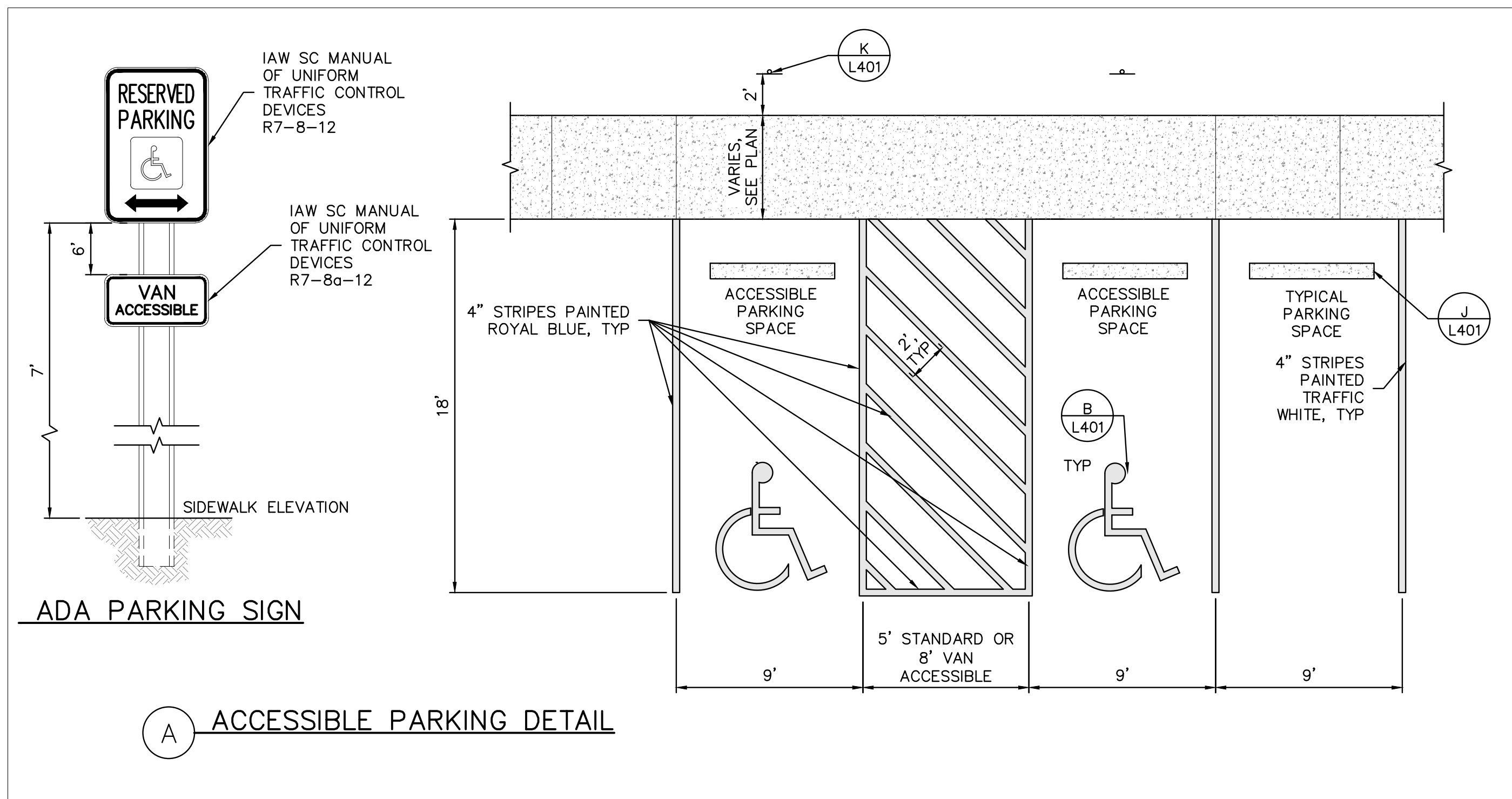
2371 NEELY STORE ROAD
ROCK HILL, SC 29730

DATE	MARK	DESCRIPTION
05/17/2024	1	PERMIT REVISIONS

ISSUE: CONSTRUCTION DOCUMENTS
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PROJECT NO: 23261
DRAWN BY: NCM
CHECKED BY: FWG

LANDSCAPE PLANTING DETAILS, SCHEDULE & NOTES

L400



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ADC ENGINEERING INC. No. 00253
LANDSCAPE ARCHITECT No. 8974

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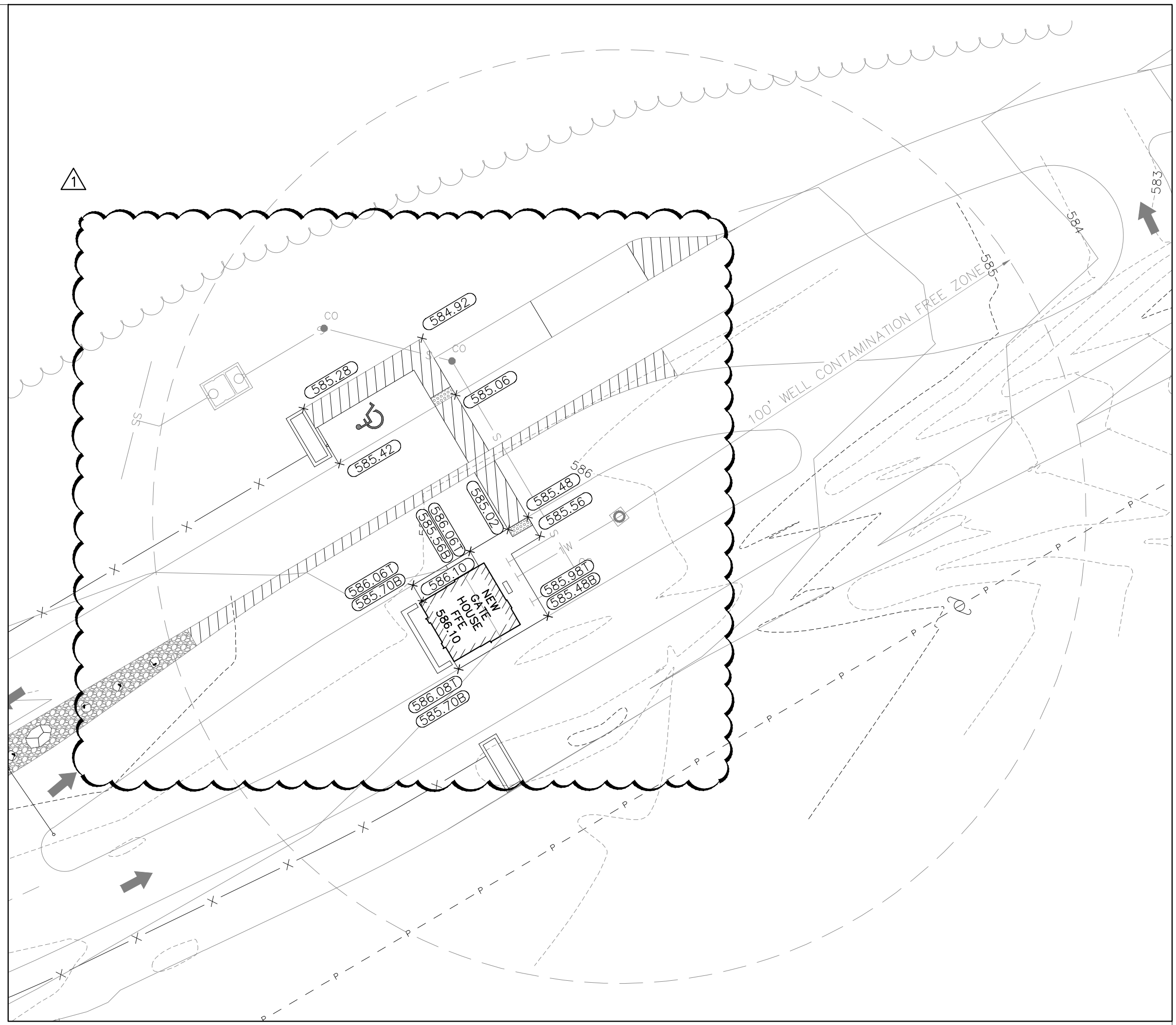
YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

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ROCK HILL, SC, 29730

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CHECKED BY: FWG

L401



GATEHOUSE BUILDING

GRADING AND DRAINAGE NOTES:

1. SEE SHEET C001 FOR CIVIL NOTES AND ABBREVIATIONS.
2. SEE DRAWINGS BY ARMSTRONG GLEN FOR ADDITIONAL GRADING, DRAINAGE AND EROSION CONTROL DETAILS.

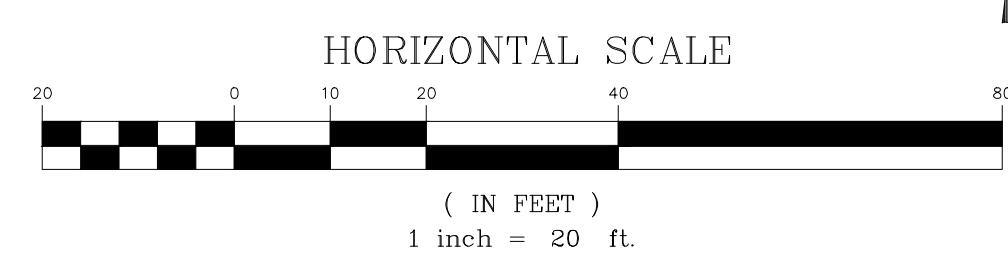
KEYNOTES:

1. SEE PROPOSED GRADES SHOWN ON THE ROAD DESIGN DRAWINGS COMPLETED BY ARMSTRONG GLEN. VERIFY EXISTING GRADES PRIOR TO CONSTRUCTION. ADJUST ELEVATIONS AS NECESSARY.
2. INSTALL NEW PLUNGE POOL IN ACCORDANCE WITH DETAIL C/C640.

CIVIL LEGEND – GRADING AND DRAINAGE

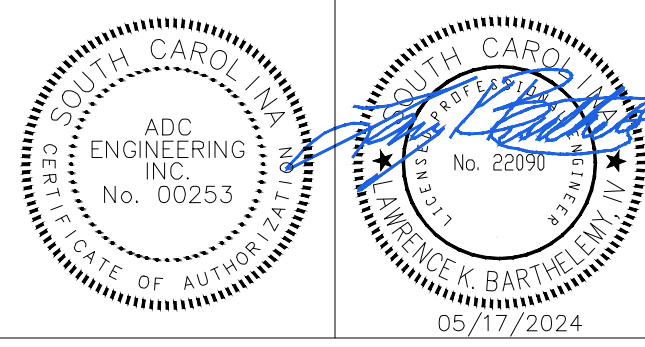
- CATCH BASIN – INSTALL IAW DETAIL B/C640.
- RCP STORM DRAINAGE PIPE – SEE DETAIL SHOWN ON ARMSTRONG GLEN DRAWINGS
- PERMANENT RIP RAP APRON – SEE DETAIL SHOWN ON ARMSTRONG GLEN DRAWINGS.
- NEW FINISHED GRADE SPOT ELEVATION
- NEW FINISHED CONTOUR
- EXISTING GRADE SPOT
- EXISTING GRADE CONTOUR
- DRAINAGE FLOW ARROW
- PROPERTY LINE
- LIMITS OF CONSTRUCTION/LIMITS OF DISTURBANCE

SPECIAL FLOOD HAZARD AREA NOTES:
 1. THE SPECIAL FLOOD HAZARD AREA (SFHA) SHOWN WAS OBTAINED FROM MISC. FEMA GOV.
 2. NO CONSTRUCTION OR THE PLACEMENT OF FILL WILL BE PLACED IN THE SPECIAL FLOOD HAZARD AREA (SFHA - 100-YR FLOOD PLAN).



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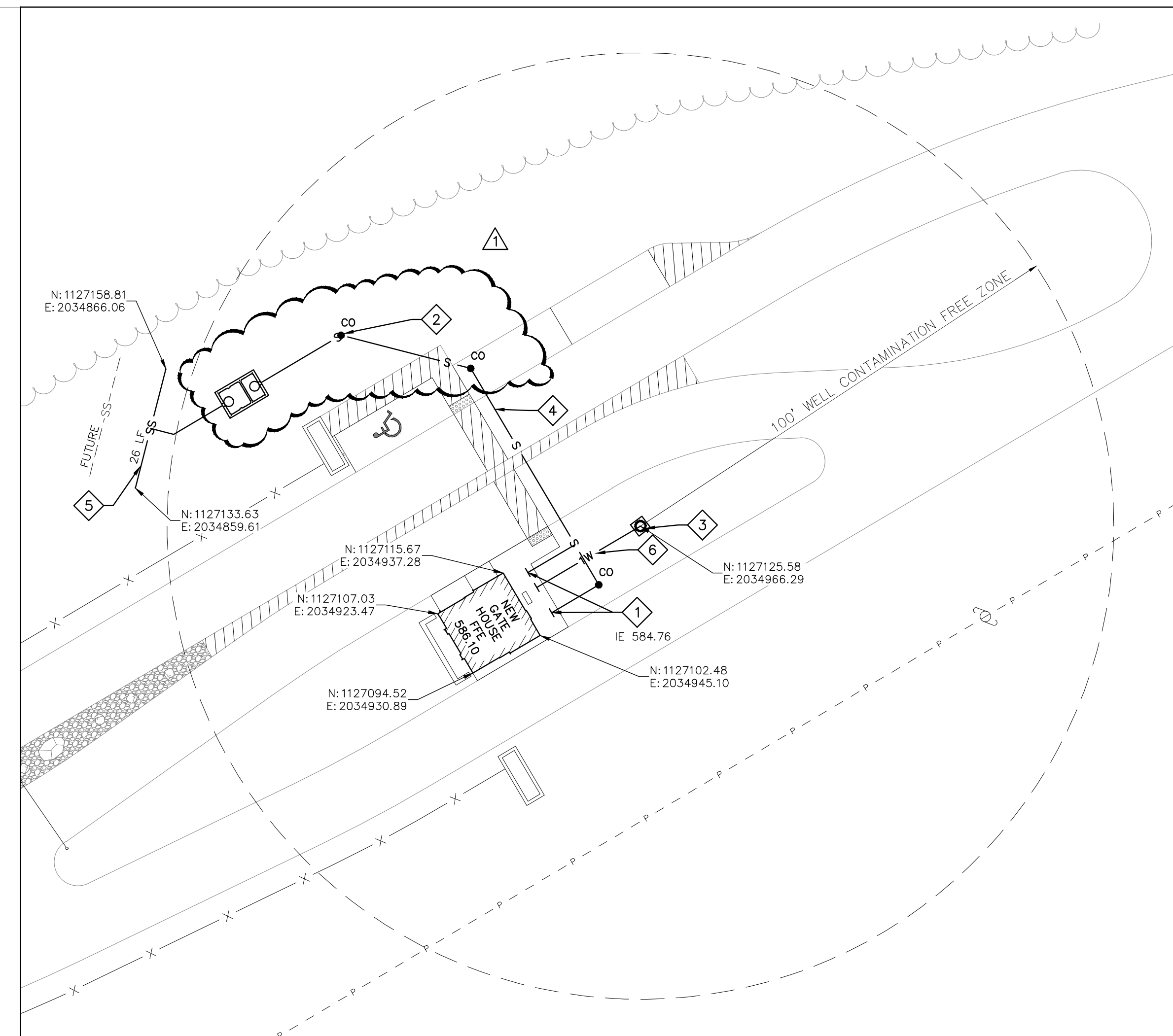
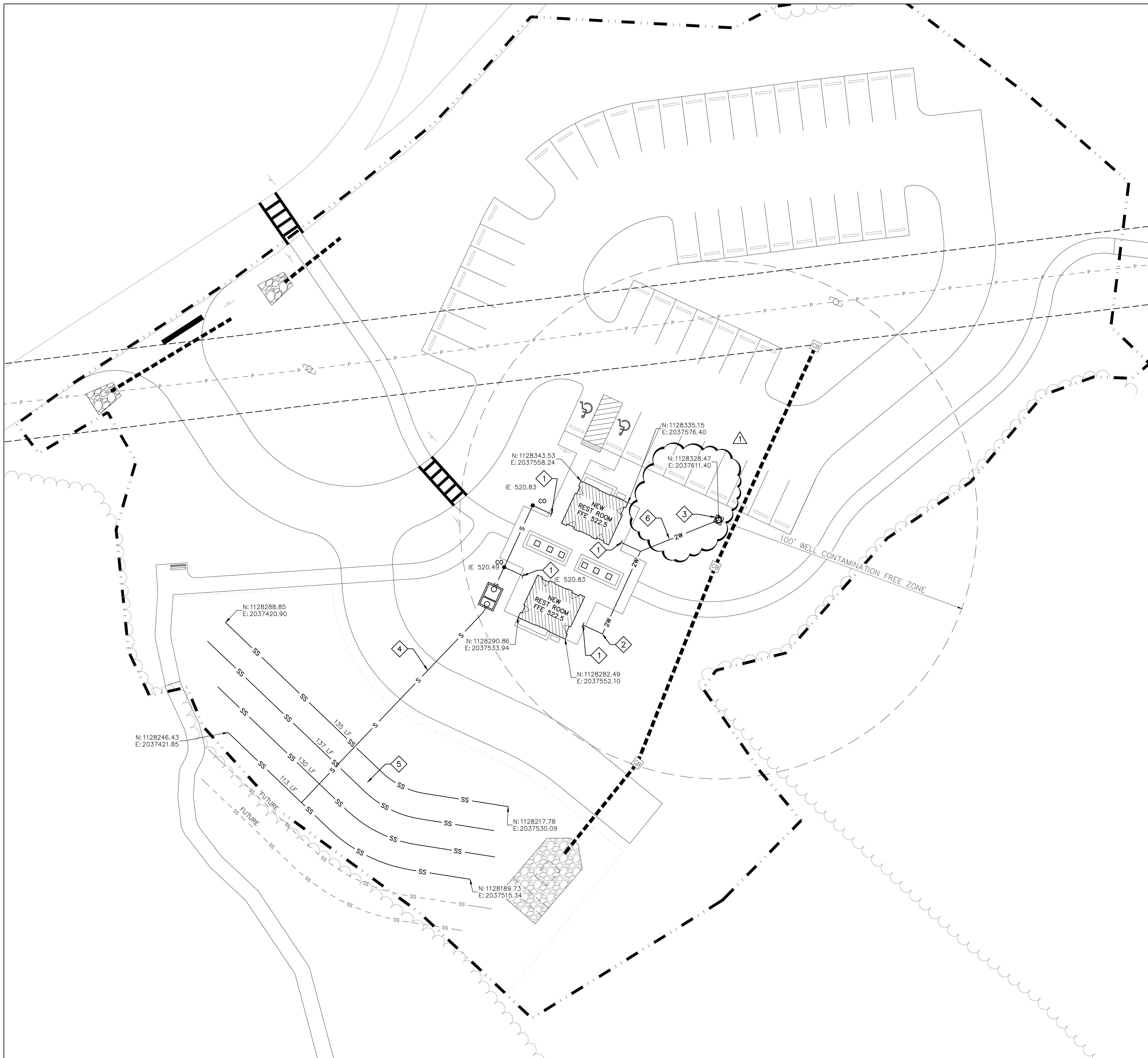
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 DRAWN BY: LKB
 CHECKED BY: LKB

GRADING PLAN

C301



GATEHOUSE BUILDING

UTILITY NOTES:

- SEE SHEET C001 FOR CIVIL NOTES AND ABBREVIATIONS.
- GENERAL CONTRACTOR SHALL COORDINATE ALL SITE UTILITIES AND STORM DRAINAGE INSTALLATION SCHEDULES TO AVOID POTENTIAL UTILITY CONFLICTS. GRAVITY DEPENDENT UTILITIES SHALL BE INSTALLED PRIOR TO NON-GRAVITY DEPENDENT UTILITIES.
- NEW WELLS SHALL BE DESIGNED AND INSTALLED IAW SCDHEC REGULATION R.61-71 FOR A 'SMALL BUSINESS WATER SYSTEM'. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND CONSTRUCTING THE NEW WELLS.
- NEW SEPTIC SYSTEMS SHALL BE INSTALLED IAW SCDHEC REGULATION 61-56.
- VERIFY UTILITY SERVICE LOCATIONS AND ELEVATIONS WITH PLUMBING PLANS PRIOR TO CONSTRUCTION.

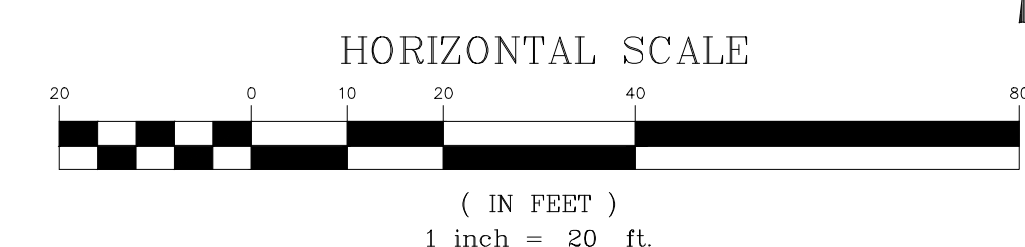
KEYNOTES:

- SEE PLUMBING PLANS FOR CONTINUATION.
- INSTALL BENDS AS NECESSARY.
- INSTALL NEW WELL IAW DETAIL A/C640 AND SCDHEC REGULATIONS.
- INSTALL 4" SOLID WALL PVC (SDR 13.5) PIPE FROM DISTRIBUTION BOX TO EACH SEPTIC LEACH DRAIN LINE.
- INSTALL NEW SEPTIC SYSTEM IN ACCORDANCE WITH DETAILS A/C641 AND THE SEPTIC PERMIT ISSUED BY SCDHEC.
- INSTALL NEW WATER SERVICE PIPING FROM WELL TO BUILDING. SIZE AS NECESSARY TO PROVIDE THE NECESSARY FLOW AND PRESSURE TO THE BUILDING. (GATE HOUSE: 10 GPM AT 50 PSI, RESTROOM BUILDING: 45 GPM AT 60 PSI PER BUILDING [90 GPM TOTAL]).

CIVIL LEGEND — WATER AND SEWER

• CO	SEWER CLEANOUT — INSTALL USING 75' MIN. SPACING AND IAW DETAIL D/C641.
▣ B	PRECAST CONCRETE SEPTIC TANK — INSTALL IN ACCORDANCE WITH DETAIL B/C641.
—1W—	1" COPPER WATER SERVICE
—2W—	2" PVC (SDR 13.5) WATER SERVICE
—S—	4" PVC (SDR 13.5) SEWER SERVICE TO SEPTIC SYSTEM — INSTALL AT 1% MIN SLOPE AND IN ACCORDANCE WITH DETAIL C/C641.
—SS—	SEPTIC LEACH FIELD — INSTALL IN ACCORDANCE WITH DETAIL A/C641.
---SS---	FUTURE SEPTIC LEACH REPAIR AREA
---	PROPERTY LINE
— —	LIMITS OF CONSTRUCTION/LIMITS OF DISTURBANCE

SPECIAL FLOOD HAZARD AREA NOTES:
 1. THE SPECIAL FLOOD HAZARD AREA (SFHA) SHOWN WAS OBTAINED FROM MSC.FEMA.GOV.
 2. NO CONSTRUCTION OR THE PLACEMENT OF FILL WILL BE PLACED IN THE SPECIAL FLOOD HAZARD AREA (SFHA - 100-YR FLOOD PLAN).



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ADC ENGINEERING INC. No. 00253
 STATE OF SOUTH CAROLINA
 JAMES H. BARTLETT, III
 No. 22996
 05/17/2024

CONSULTANT

ADC ENGINEERING
 25 WOODS LAKE ROAD, SUITE 210
 GREENVILLE, SC 29607
 864-751-9121
 ADCENGINEERING.COM

YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

2371 NEELY STORE ROAD
 ROCK HILL, SC, 29730

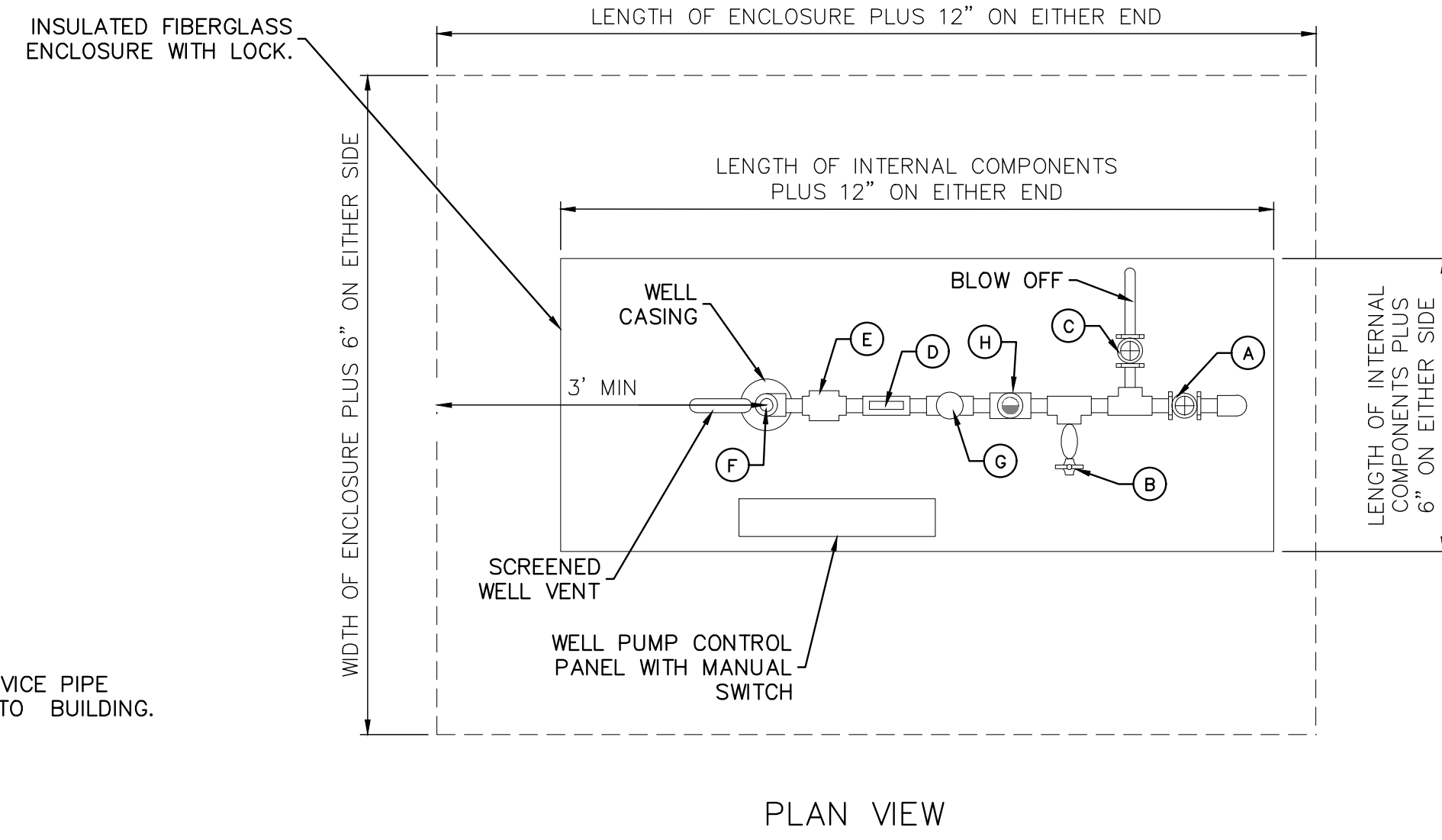
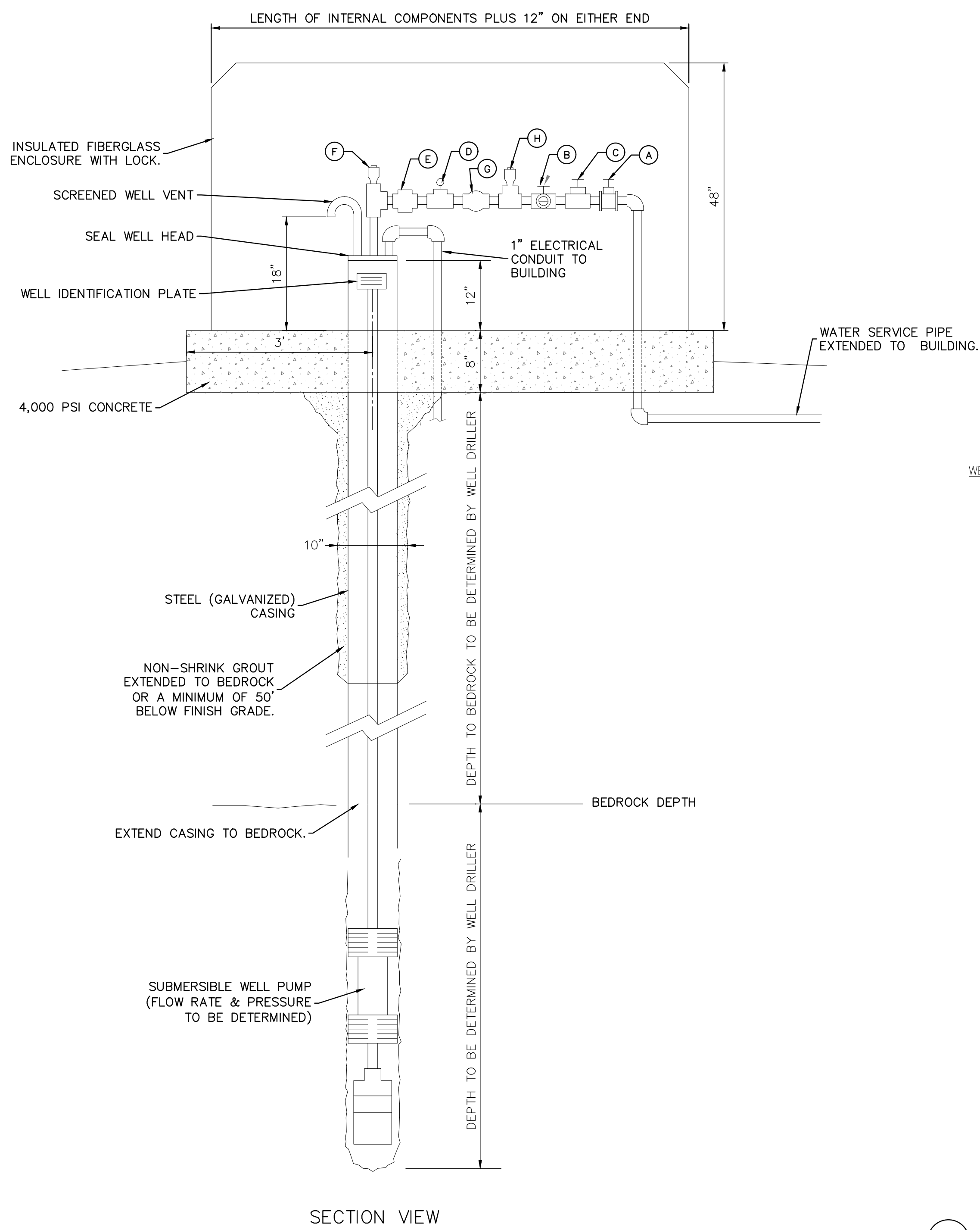
DATE	MARK	DESCRIPTION
05/17/2024	1	PERMIT REVISIONS

ISSUE: CONSTRUCTION DOCUMENTS
 DATE: 03.08.2024
 PROJECT NO: 23261
 DRAWN BY: LKB
 CHECKED BY: LKB

UTILITY PLAN

C401

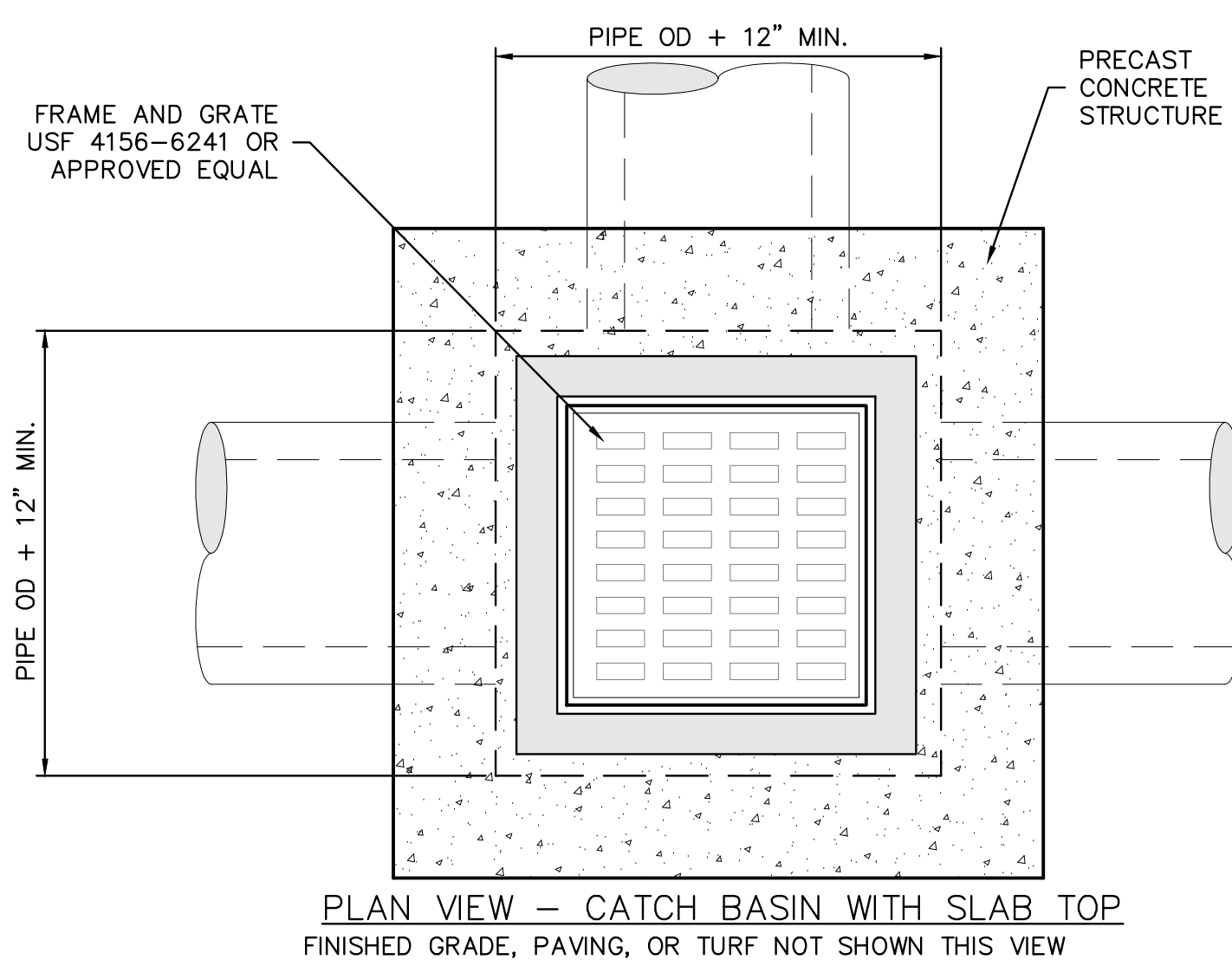
WELL COMPONENTS	
A	IN LINE GATE VALVE
B	SAMPLE TAP
C	BLOW OFF GATE VALVE
D	PRESSURE GAUGE
E	CHECK VALVE
F	AIR RELIEF VALVE
G	FLOW METER (INSTANTANEOUS & TOTAL FLOW READING)
H	PRESSURE RELIEF VALVE



WELL NOTES

- ALL WELL CONSTRUCTION SHALL MEET SCDHEC REGULATION R61.58 FOR "SMALL BUSINESS WATER SYSTEM" WELLS.
- NEW WELL SHALL BE DESIGNED AND CONSTRUCTED BY THE CONTRACTOR.
- SUBMERSIBLE PUMP:** PROVIDE THE NECESSARY WELL PUMP TO PROVIDE THE FOLLOWING FLOWS AND PRESSURES TO THE BUILDINGS:
 - GATE HOUSE: 10 GPM AT 50 PSI
 - RESTROOM BUILDINGS 45 GPM AT 60 PSI FOR EACH BUILDING (90 GPM TOTAL).
- WELL CASING:** THE TOP OF THE GALVANIZED STEEL WELL CASING SHALL EXTEND AT LEAST TWELVE (12) INCHES ABOVE THE CONCRETE PAD. SEAL CASING.
- CONCRETE PAD:** A MINIMUM RADIUS OF THREE (3) FEET FROM THE CENTER OF THE WELL CASING AND A MINIMUM THICKNESS OF EIGHT (8) INCHES WITH FOUR (4) INCHES EXTENDING ABOVE EXISTING GRADE OF GRAVEL. SEE PLAN VIEW AND PROFILE VIEW FOR PAD DIMENSIONS.
- WELL IDENTIFICATION PLATE:** MUST BE PERMANENTLY INSTALLED IMMEDIATELY AFTER COMPLETION OF DRILLING.
- GROUT:** GROUTING SHALL EXTEND DOWN TO FIRM BEDROCK, OR TO A DEPTH OF FIFTY (50) FEET FROM THE GROUND SURFACE, WHICHEVER DEPTH IS LESS. IF BEDROCK IS ENCOUNTERED AT LESS THAN TWENTY-FIVE (25) FEET, AT LEAST TWENTY-FIVE (25) FEET OF CASING SHALL BE USED AND THE ENTIRE LENGTH OF THE CASING SHALL BE GROUTED A MINIMUM OF FIVE (5) FEET INTO BEDROCK.
- SCREENED VENT:** MUST FACE DOWNWARD WITH THE OPENING LOCATED A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE CONCRETE PAD OR WELL HOUSE FLOOR. THE SCREEN MUST HAVE AN EFFECTIVE OPENING OF .024 INCHES OR SMALLER. THIS ITEM IS NOT REQUIRED ON PACKER TYPE JET PUMPS.
- SAMPLE TAP:** MUST BE LOCATED DOWNSTREAM OF THE CHECK VALVE AND BEFORE THE GATE VALVE ISOLATING THE WELL FROM THE SYSTEM. SAMPLE TAP TO COMPLY WITH STATE PRIMARY DRINKING WATER REGULATIONS R.61-58.2.
- GATE VALVE:** FOR ISOLATING THE WELL FROM THE SYSTEM.
- SANITARY WELL SEAL:** ALL OPENINGS OTHER THAN THE SCREENED VENT SHALL BE EFFECTIVELY SEALED AGAINST THE ENTRANCE OF WATER UNDER ALL CONDITIONS.
- ELECTRIC CABLE:** MUST BE ENCLOSED IN CONDUIT AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. PROVIDE NECESSARY POWER SUPPLY FROM BUILDINGS TO NEW WELL PUMPS.
- BLOW-OFF:** MUST BE LOCATED BEFORE THE GATE VALVE FOR ISOLATING THE WELL FROM THE SYSTEM. ANGLE BLOWOFF TOWARDS SWALE OR DRAINAGE STRUCTURE AND ADD STONE TO PREVENT EROSION.
- BLADDER TANK:** IF DETERMINED NECESSARY, PROVIDE A BLADDER TANK IN A NON-FREEZE ENCLOSURE TO PROVIDE THE NECESSARY DEMAND TO THE BUILDINGS.
- WELL HEAD PROTECTION:** THE WELL HEAD MUST BE PROTECTED FROM FREEZING AND FROM VANDALISM BY AN INSULATED, LOCKABLE, PROTECTIVE COVER OR PUMP HOUSE. ANY WELL HEAD COMPONENTS/PIPING NOT PROTECTED FROM FREEZING BY THE COVER OR PUMP HOUSE SHOULD BE HEAT TAPED TO PROTECT.
- NO MATERIAL CONTAINING MORE THAN 0.25% LEAD OF THE WETTED PERIMETER SHALL BE USED IN CONSTRUCTION OF THE WELL.
- ALL WELL HEAD PIPING SHALL BE SCHEDULE 80 GALVANIZED STEEL PIPE. (NSF APPROVED).
- ELECTRICAL CONTROL PANEL:** A MANUAL CONTROL SWITCH IS REQUIRED FOR THE WELL PUMP.

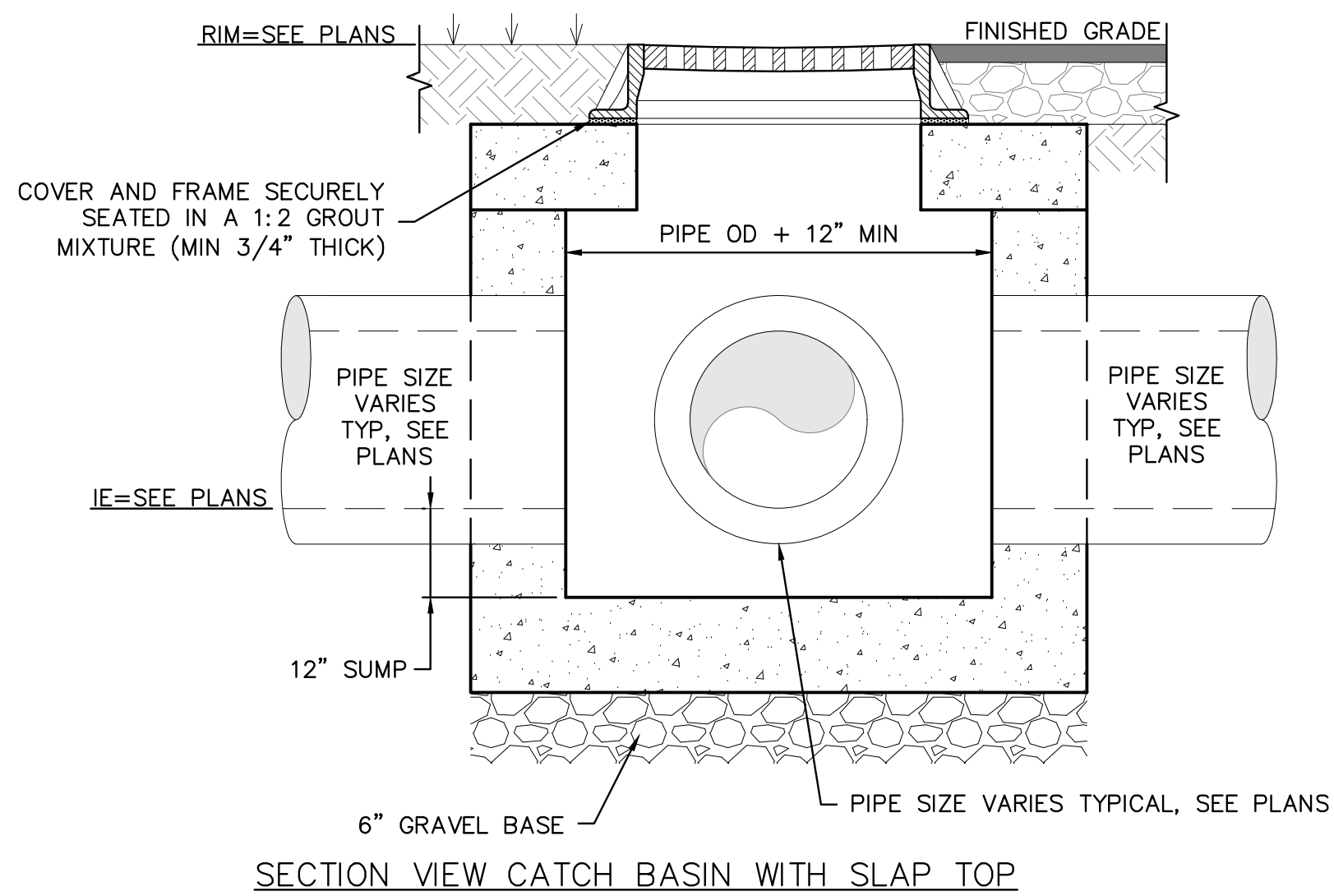
A WELL HEAD DETAIL
NOT TO SCALE



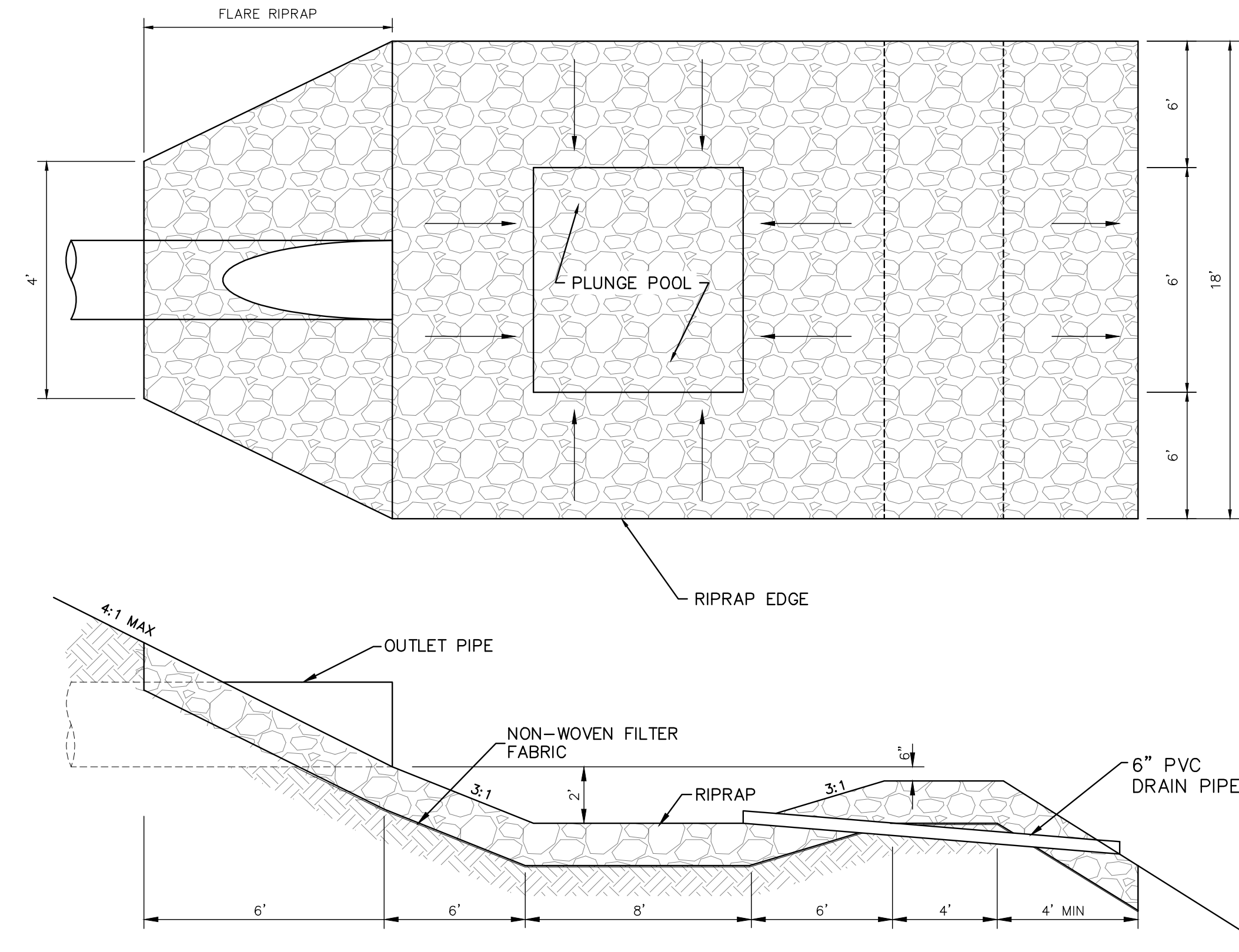
NOTES:

- PRECAST STRUCTURES SHALL BE DESIGNED BY MANUFACTURER FOR SOIL LOADING AND HS-20 TRAFFIC LOADING.
- REFER TO PLANS AND PROFILES FOR RIM AND INVERT ELEVATIONS.
- INSTALL STEPS IN STRUCTURES GREATER THAN 4' DEEP IAW DETAIL C/C630. STEPS SHALL BE PLACED INLINE WITH LID/GRATE.

B CATCH BASIN DETAILS



SECTION VIEW CATCH BASIN WITH SLAB TOP



NOTE:
1) RIPRAP: D₅₀ = 9"
D₁₀ = 4"
MIN. THICKNESS = 18"

C PLUNGE POOL DETAIL
NOT TO SCALE

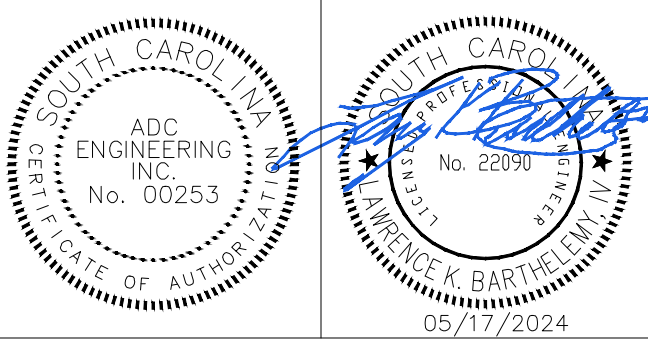
CRAIG GAULDEN DAVIS

Architecture

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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

2371 NEELY STORE ROAD
ROCK HILL, SC 29730

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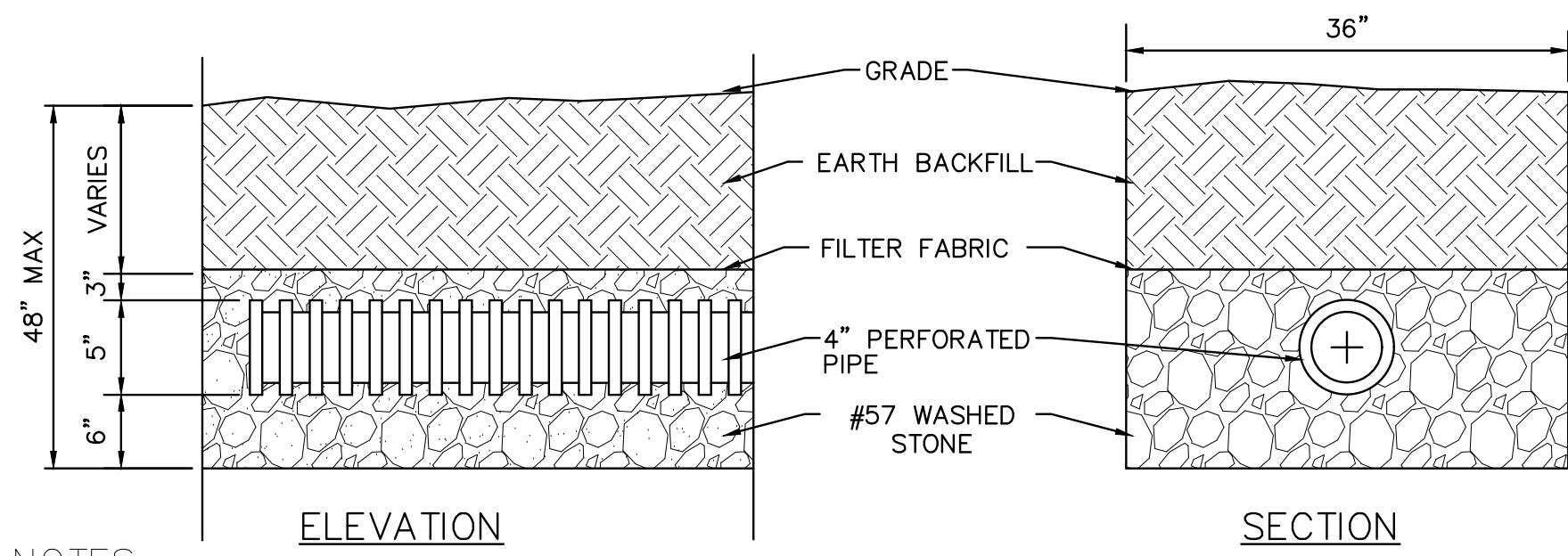
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PROJECT NO: 23261
DRAWN BY: LKB
CHECKED BY: LKB

CIVIL DETAILS - UTILITY

C640

Minimum Tile Field Size - Restroom Building			
Average Daily Flow "PDF"	=	600	gpd
Long Term Acceptance Rate (LTAR)	=	0.4	gpd/sf
Trench Width (TW)	=	3	ft
Req. Len. of Tile Field Trench (LF)	=	500	lf
Replacement Length 50% (RL)	=	250	lf
Total Len. of Tile Field Trench (TLF)	=	750	lf
		TLF = LF + RL	

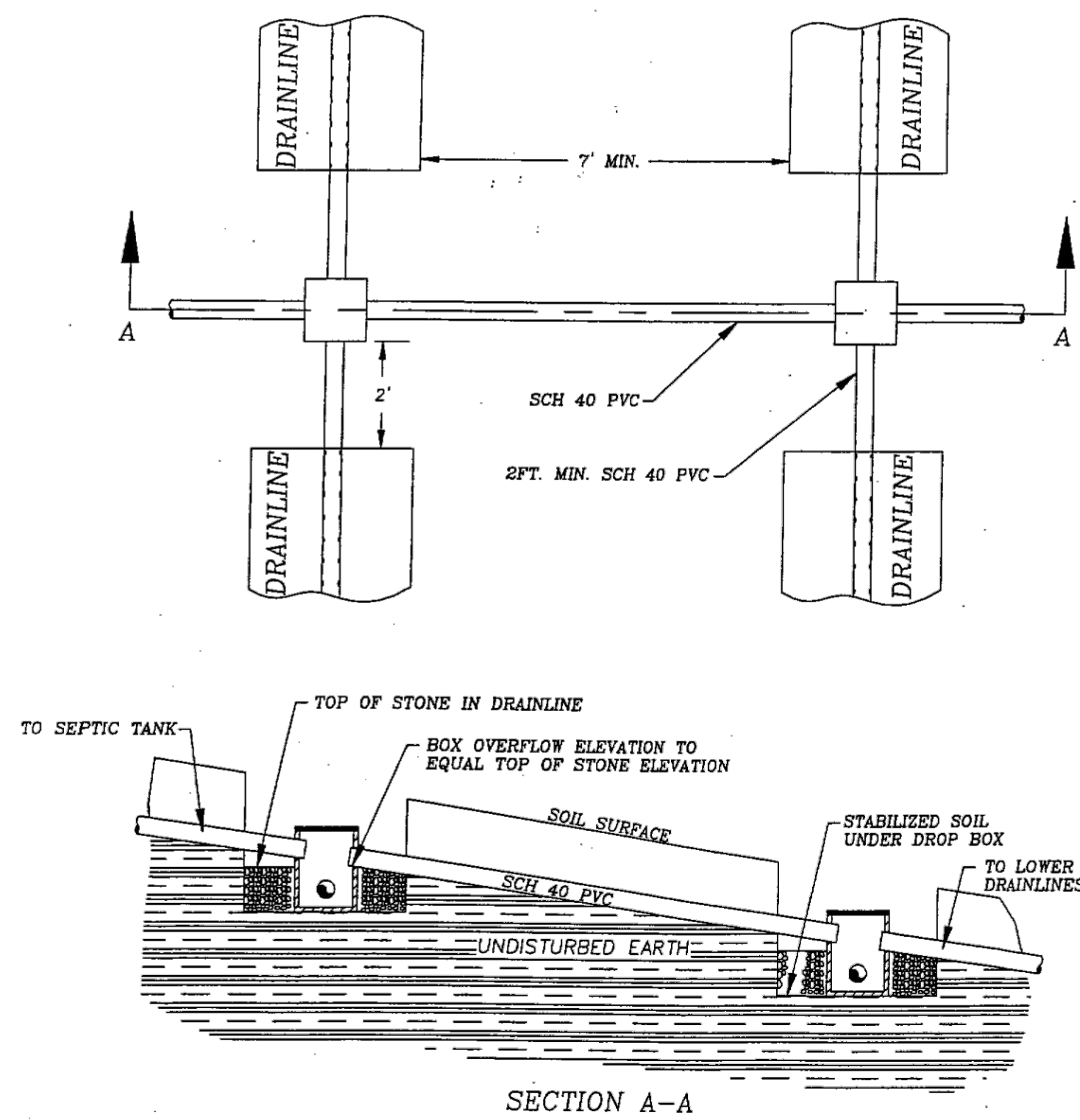
Minimum Tile Field Size - Guard House			
Average Daily Flow "PDF"	=	30	gpd
Long Term Acceptance Rate (LTAR)	=	0.4	gpd/sf
Trench Width (TW)	=	3	ft
Req. Len. of Tile Field Trench (LF)	=	25	lf
Replacement Length 50% (RL)	=	13	lf
Total Len. of Tile Field Trench (TLF)	=	38	lf
		TLF = LF + RL	



NOTES:

- SEPTIC DRAIN FIELDS SHALL BE SPACED 10' ON CENTER.
- INSTALL DRAIN PIPES AT 0% SLOPE.

TYPICAL SERIAL DISTRIBUTION UTILIZING DROP BOXES

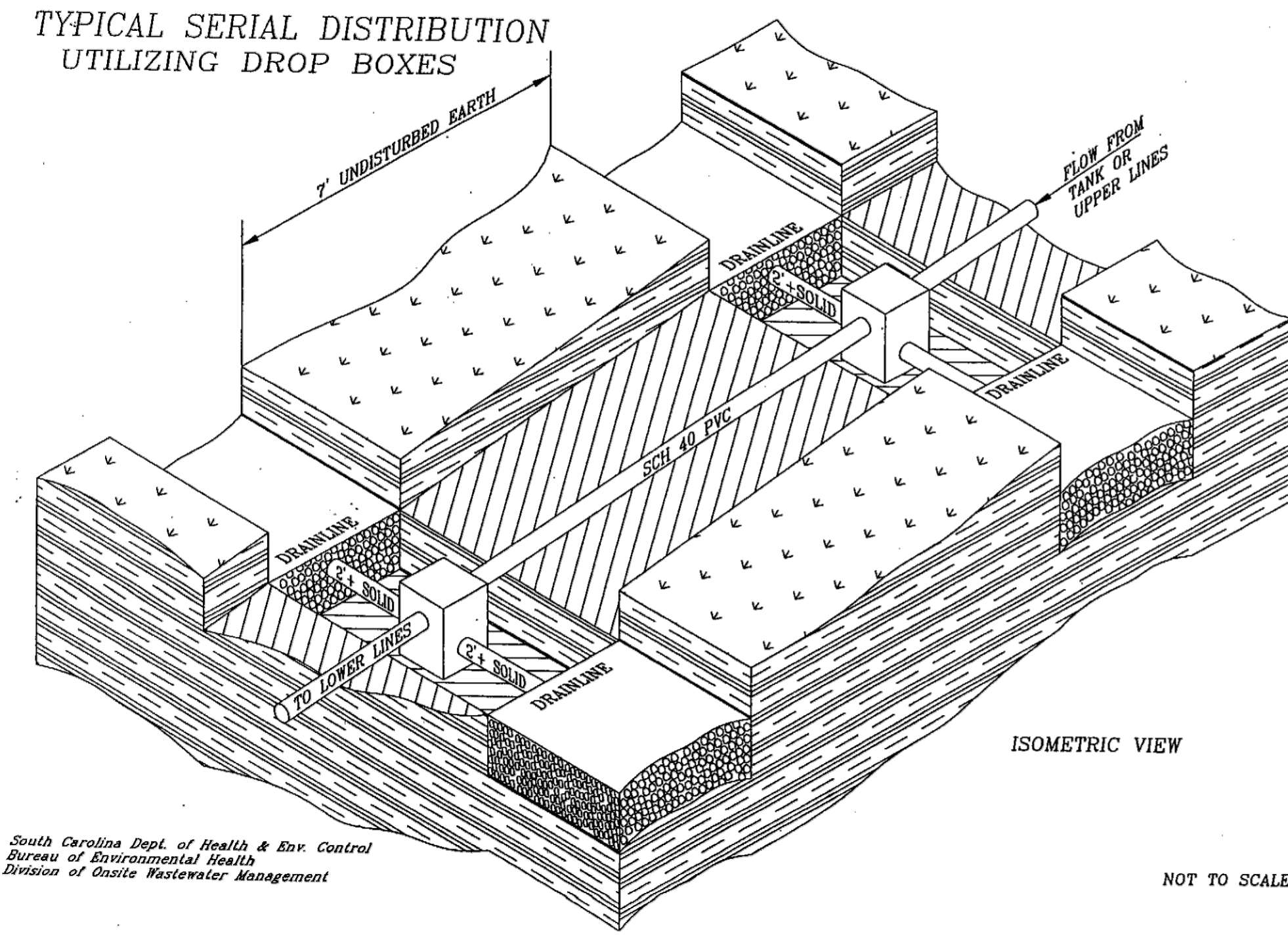


South Carolina Dept. of Health & Env. Control
Bureau of Env. Health
Division of Onsite Wastewater Management

Scale: 3/8"=1'

A SEPTIC DRAIN FIELD DETAIL
NOT TO SCALE

TYPICAL SERIAL DISTRIBUTION UTILIZING DROP BOXES



South Carolina Dept. of Health & Env. Control
Bureau of Environmental Health
Division of Onsite Wastewater Management

NOT TO SCALE

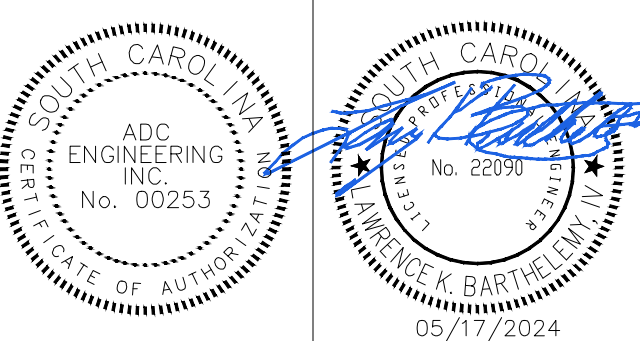
CRAIG GAULDEN DAVIS

Architecture

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YORK COUNTY

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ROCK HILL, SC, 29730

DATE MARK DESCRIPTION

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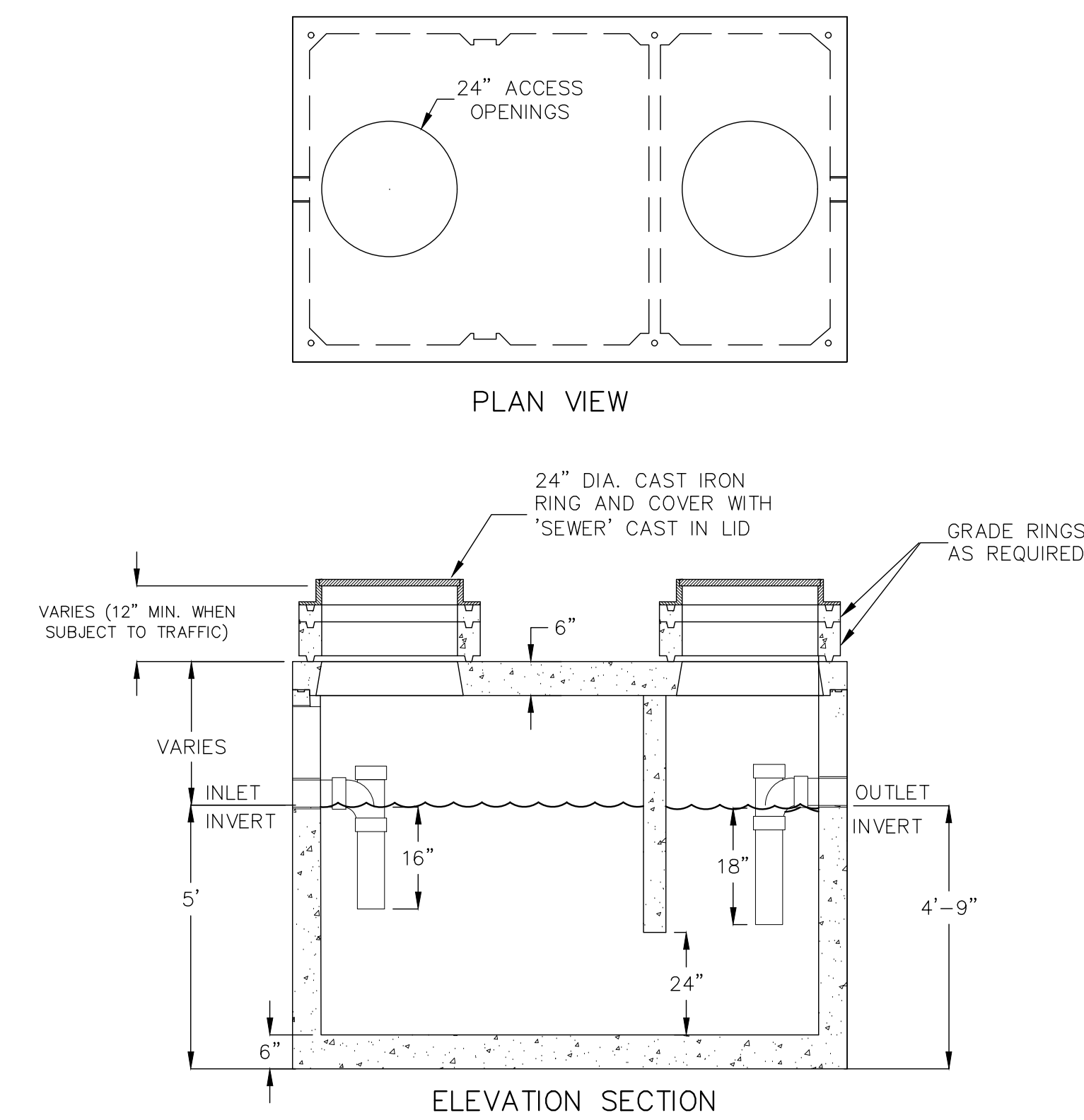
PROJECT NO: 23261

DRAWN BY: LKB

CHECKED BY: LKB

CIVIL DETAILS - UTILITY

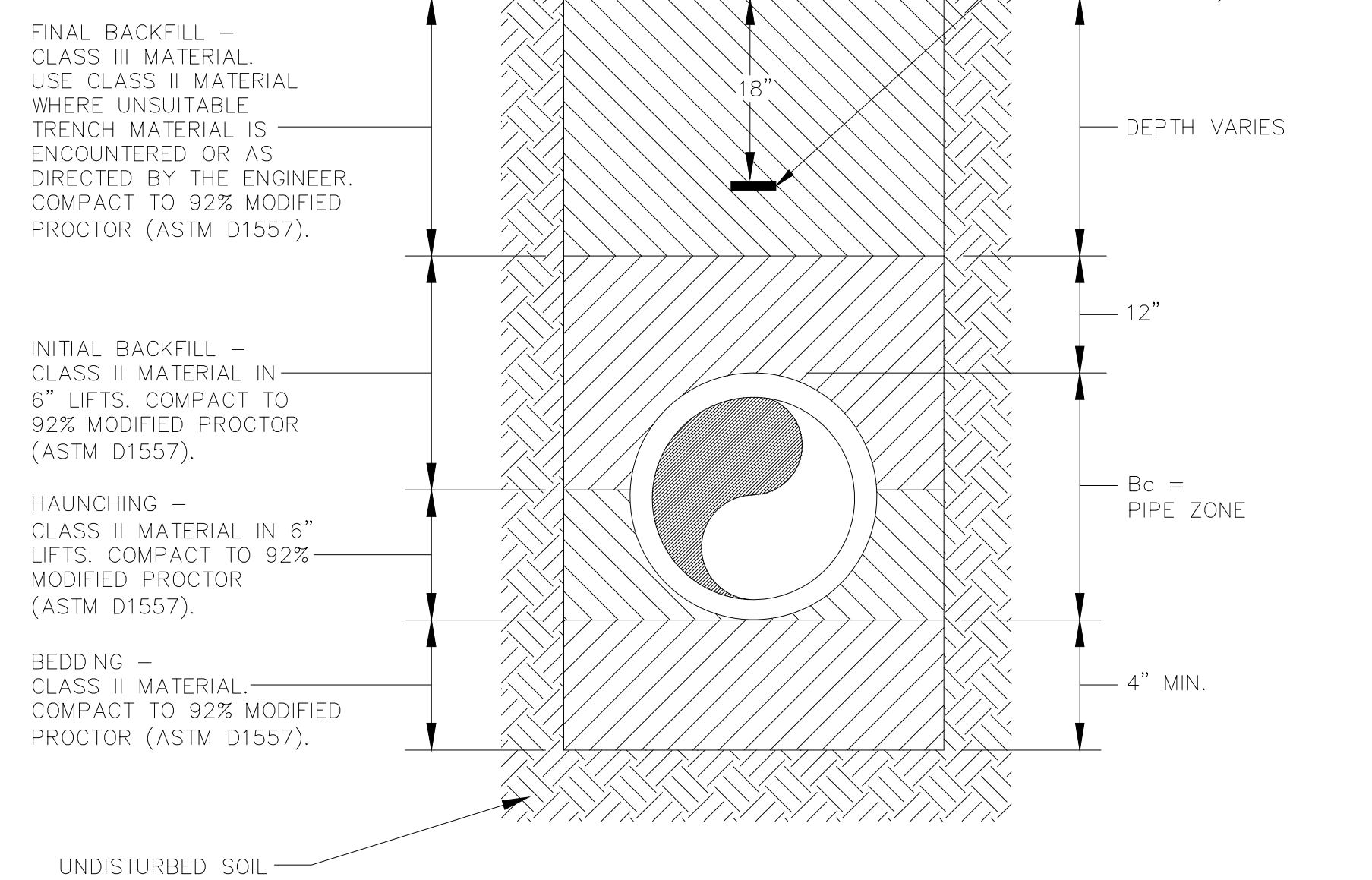
C641



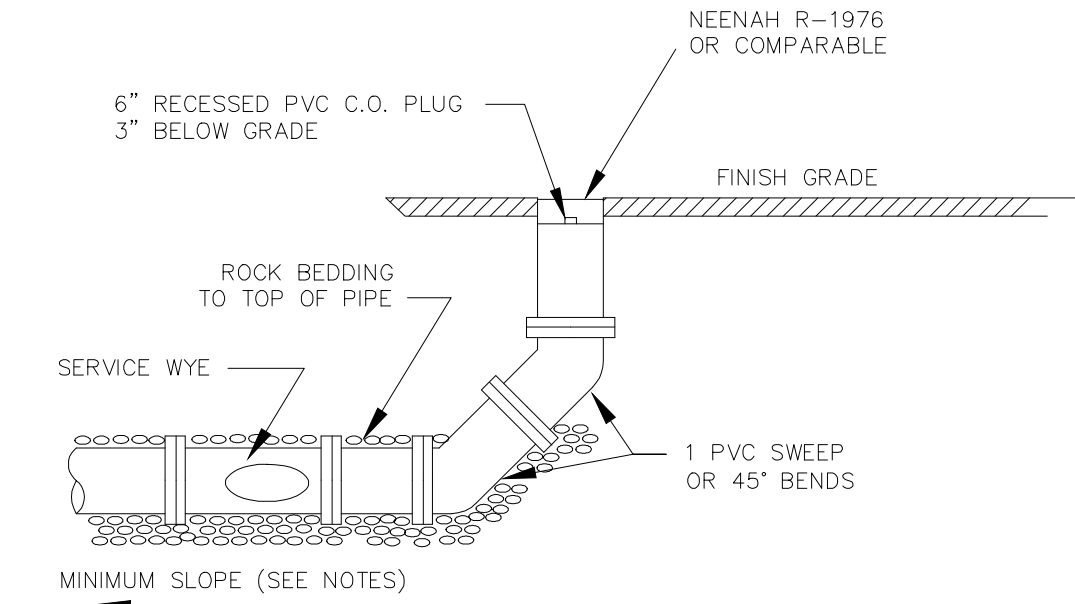
NOTES:

- SEPTIC TANK SIZES:
1.1. GATE HOUSE = 1,200 GALLON (MIN).
1.2. RESTROOM BUILDING = 1,600 GALLONS (MIN)
- SEPTIC TANK, IN ITS ENTIRETY, SHALL MEET SCDEH REGULATION 61-56.
- TANK DESIGNED FOR H-20 TRAFFIC WHEEL LOAD WITH DRY SOIL CONDITIONS.
- CONCRETE SHALL BE 4,000 PSI.
- EXTERIOR AND INTERIOR CONCRETE SURFACES TO BE COATED WITH AN APPROVED BITUMINOUS MATERIAL.
- SUITABLE NATIVE OR SUB-BASE SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS. THE EXCAVATION SHALL BE BEDDED WITH SUITABLE GRANULAR MATERIAL AND SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY, OR TO REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER.

B SEPTIC TANK DETAIL
NOT TO SCALE



C GRAVITY SEWERMAIN TRENCHING/ BEDDING
NOT TO SCALE



NOTES:

- INSTALL SEWER SERVICES AT 1% MINIMUM SLOPE.
- SEE UTILITY PLANS FOR SEWER SERVICE SIZES.
- INSTALL TRACER WIRE ALONG SEWER LINES.
- INSTALL A 24" CONCRETE RING AROUND CLEANOUTS IN GRASS AREAS. INSTALL FLUSH WITH SURROUNDING GRADE.

D SEWER CLEANOUT
NOT TO SCALE

7

6

5

4

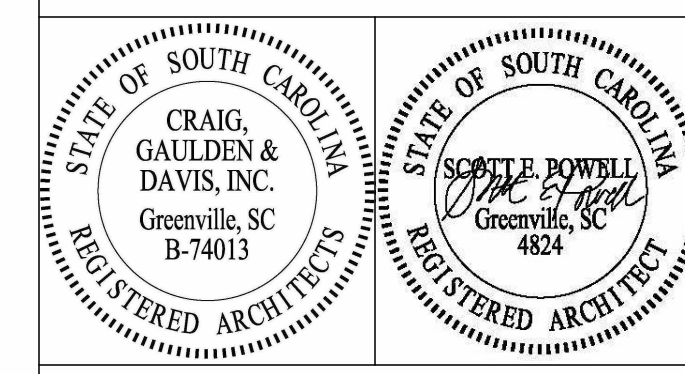
3

2

1

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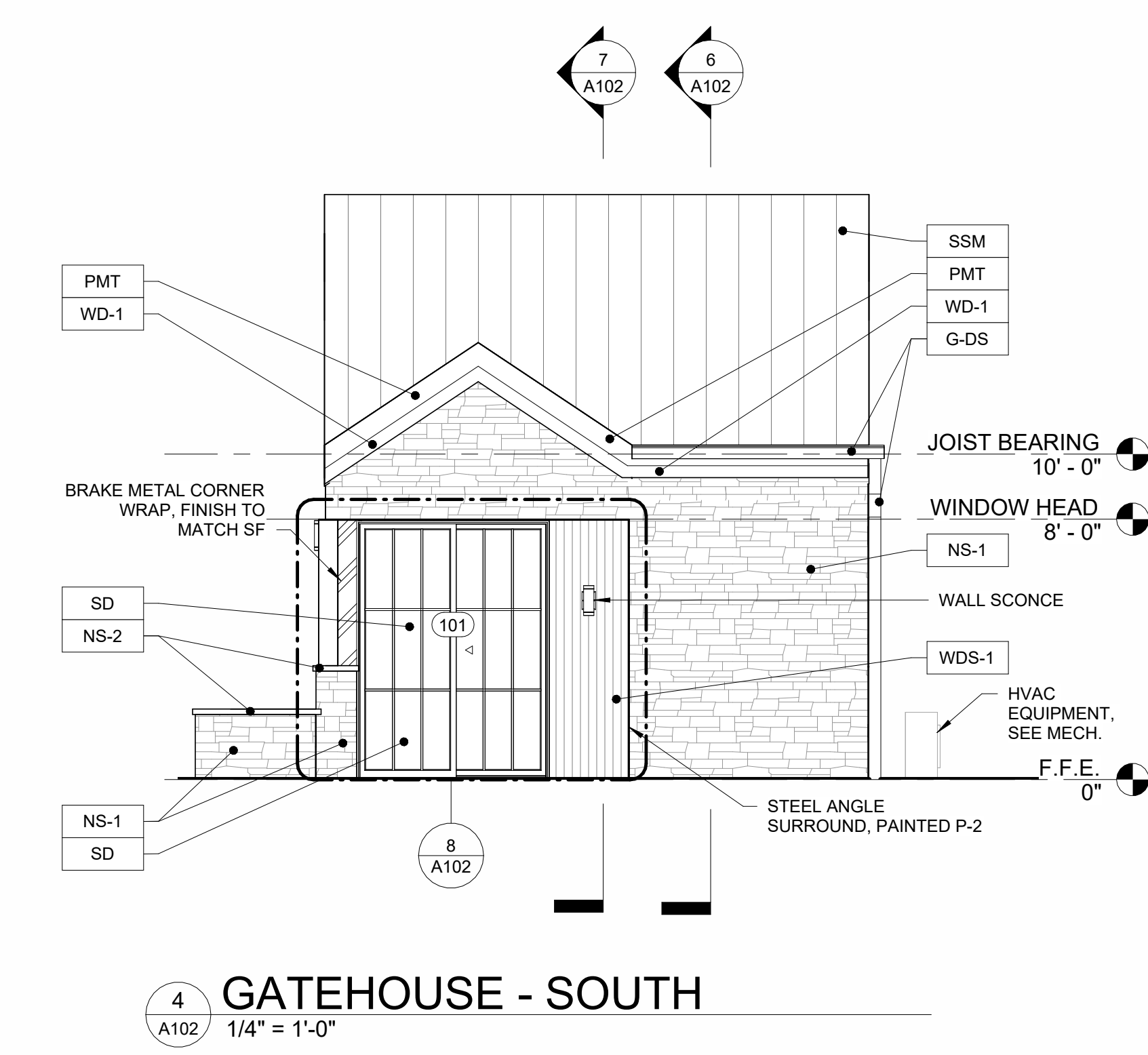
3271 Neely Store Road
 Rock Hill, SC 29730

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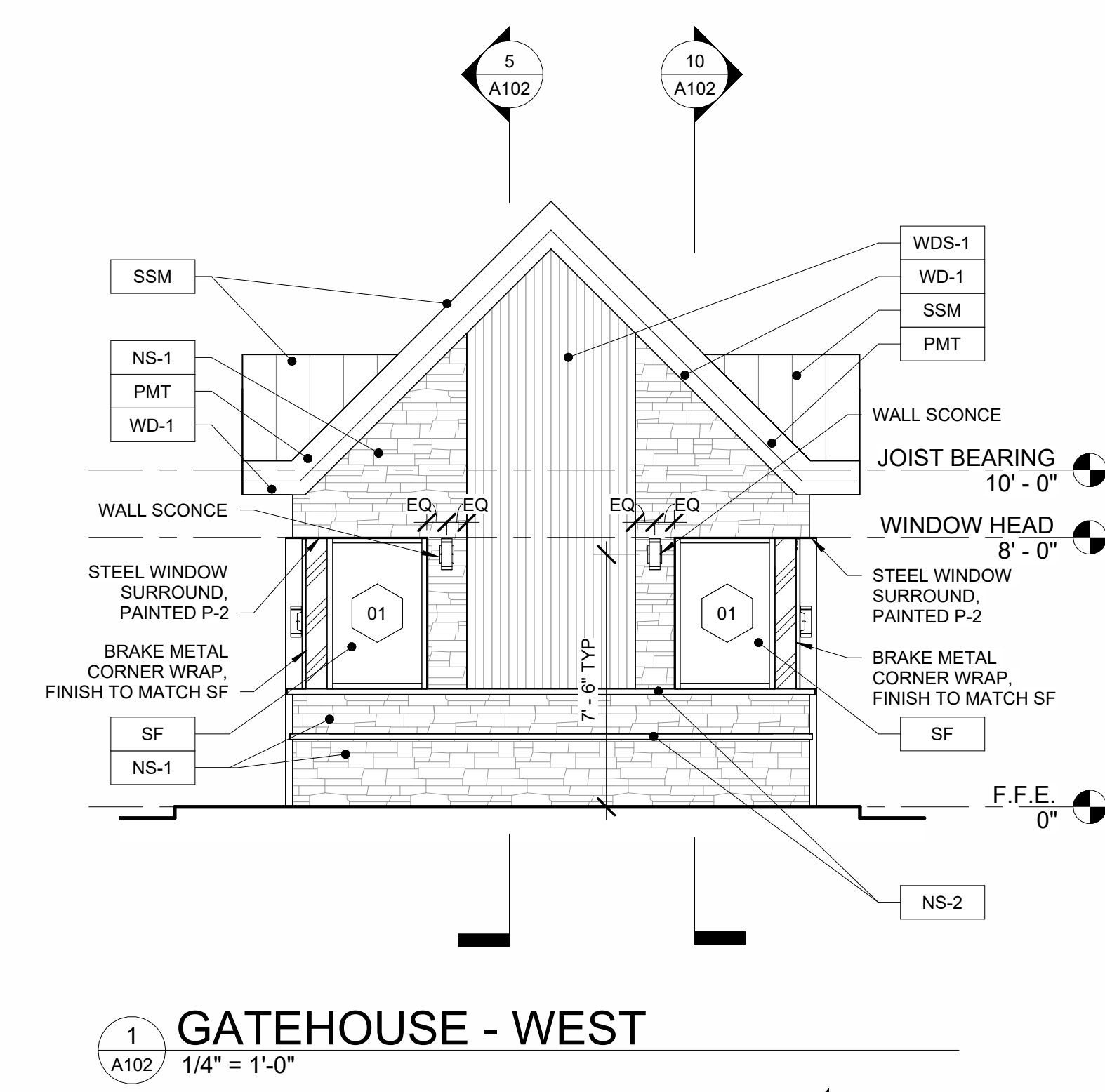
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 PROJECT NO: 23037
 DRAWN BY: CSM
 CHECKED BY: CAG

GATEHOUSE - ELEVATIONS & SECTIONS

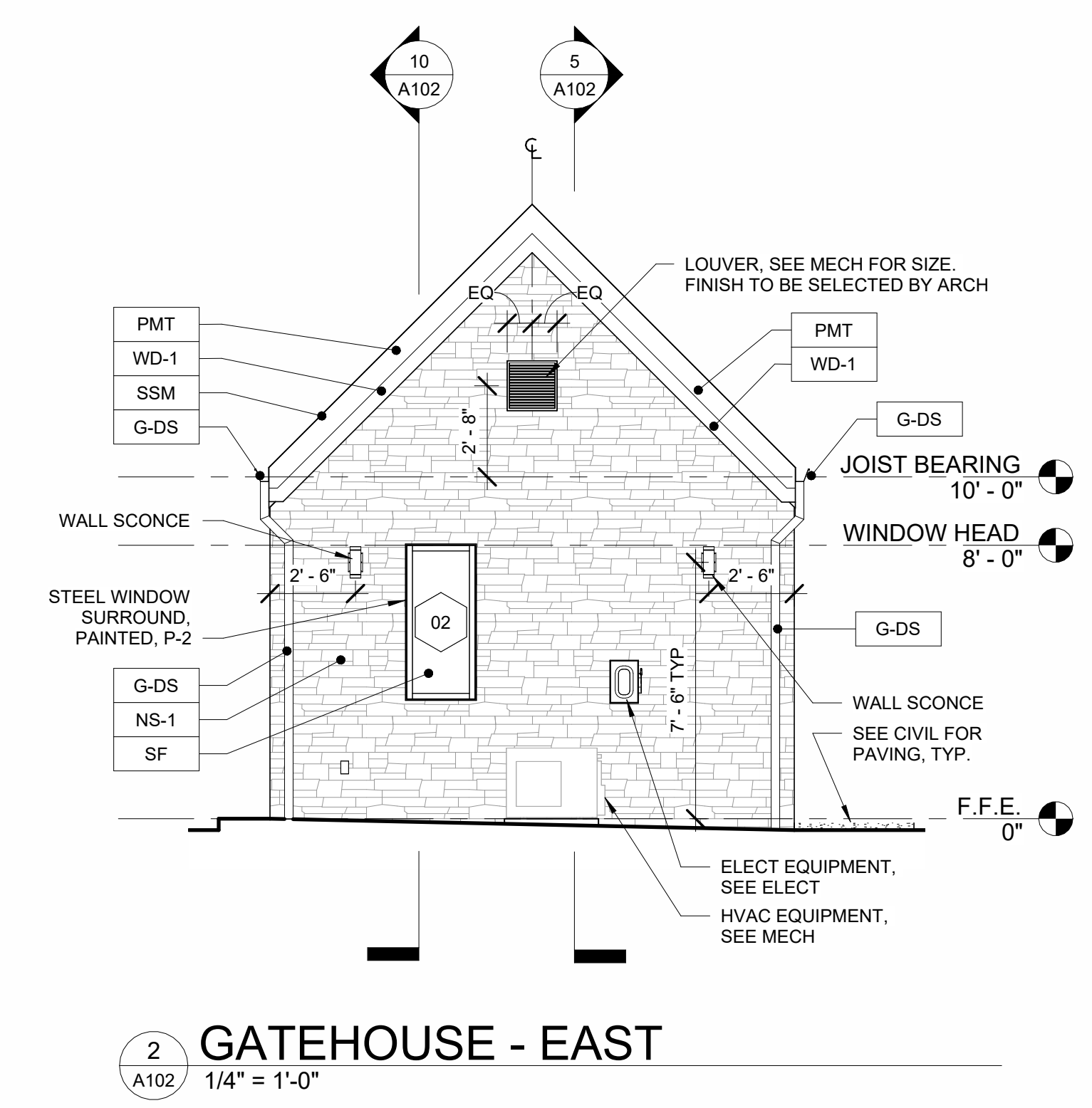
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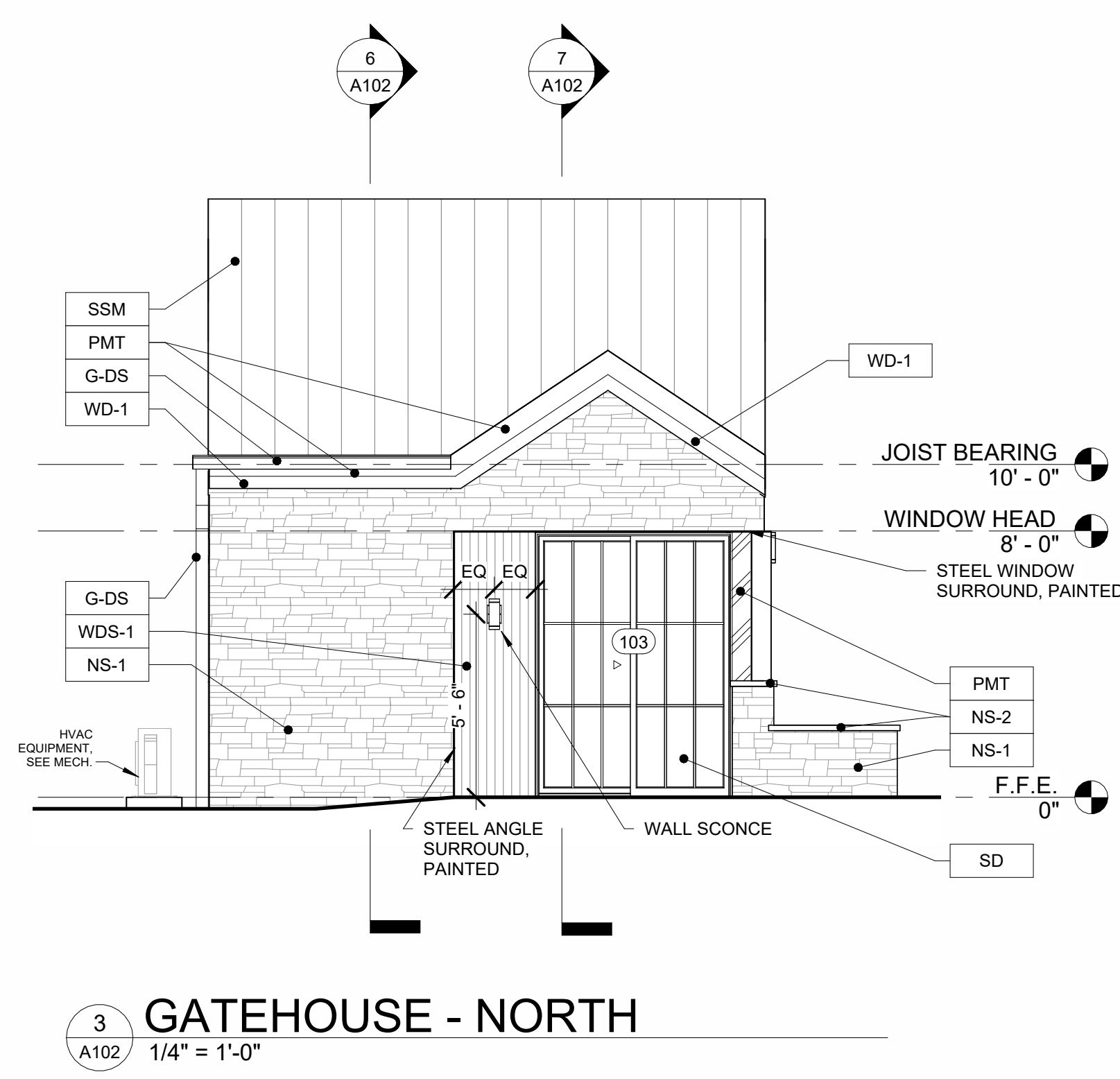
4 GATEHOUSE - SOUTH
 1/4" = 1'-0"



1 GATEHOUSE - WEST
 1/4" = 1'-0"

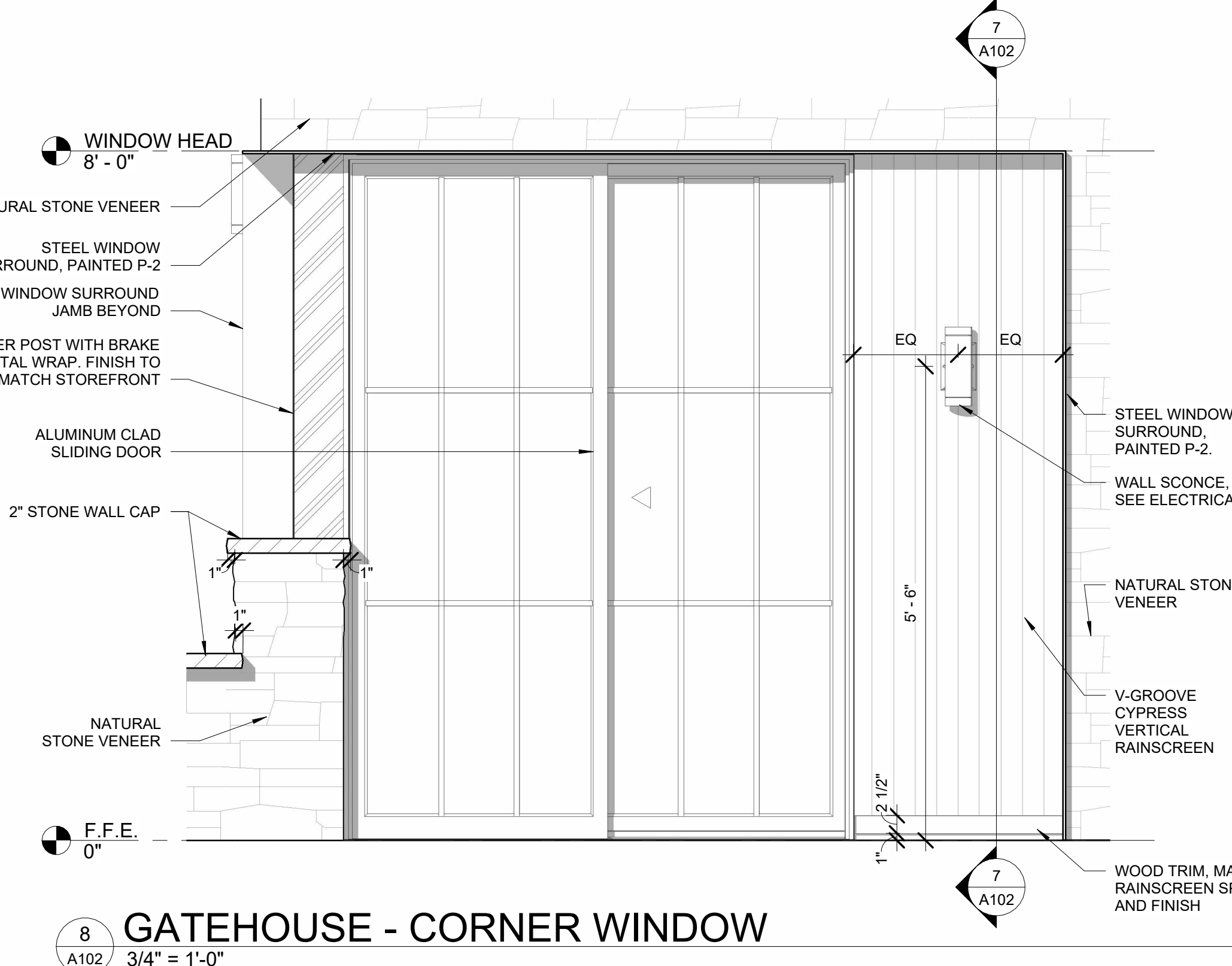


2 GATEHOUSE - EAST
 1/4" = 1'-0"

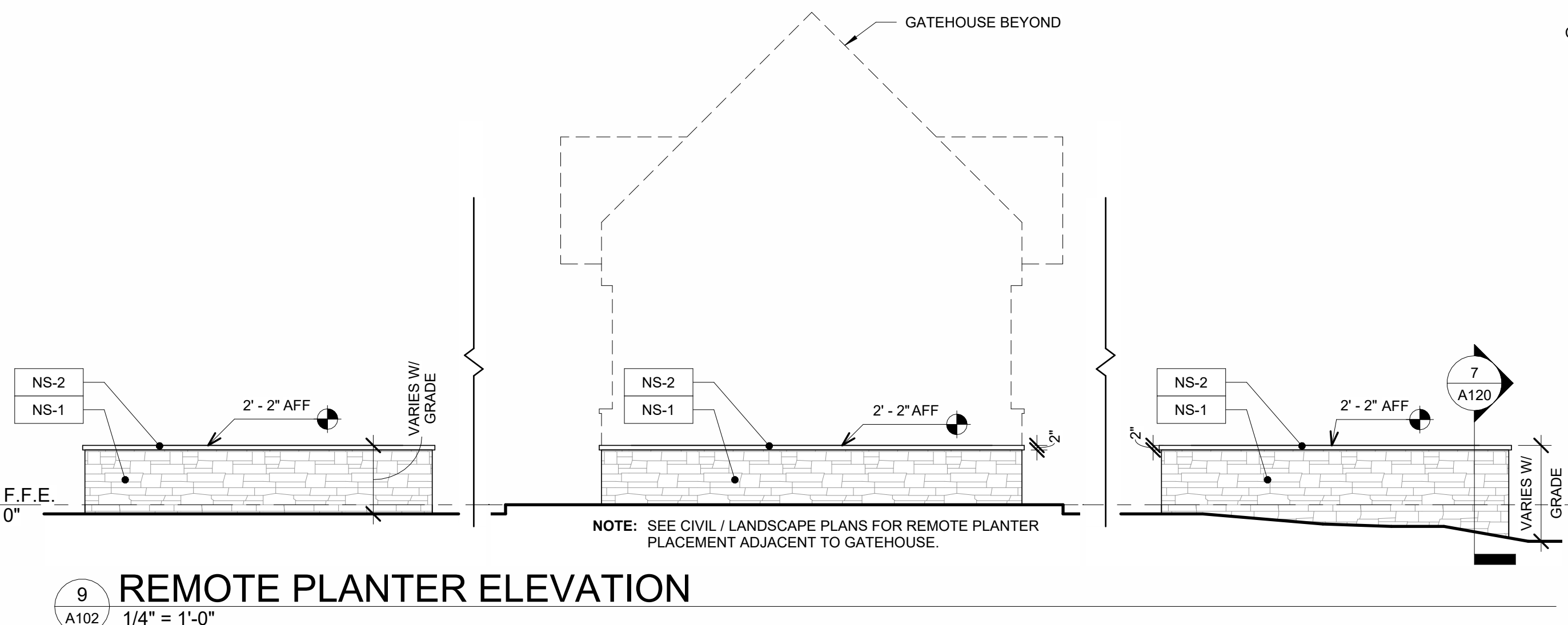


3 GATEHOUSE - NORTH
 1/4" = 1'-0"

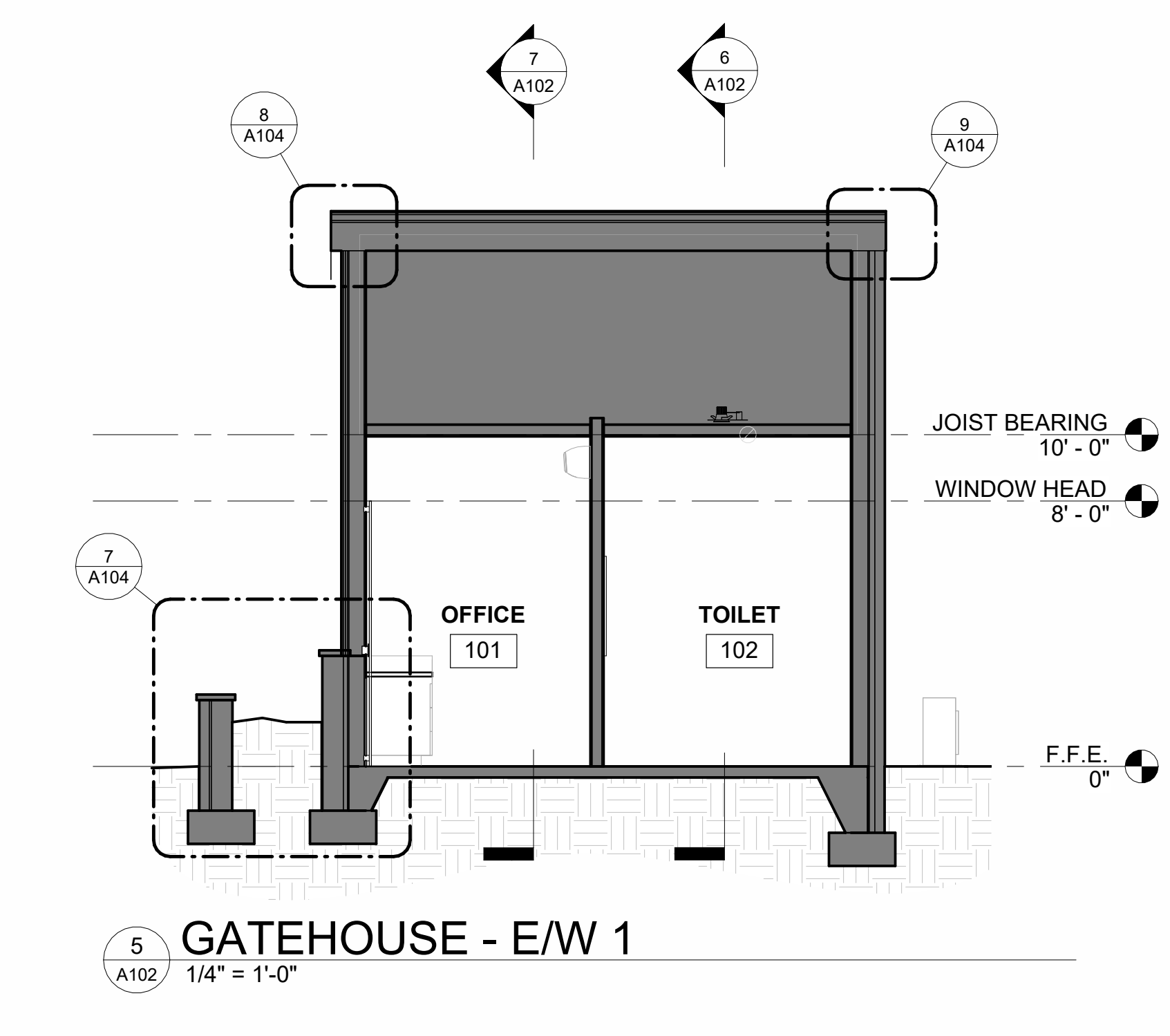
EXTERIOR MATERIALS SCHEDULE	
MARK	MATERIAL
NS-1	NATURAL STONE VENEER SIZE: FULL DEPTH BLEND: GET REAL STONE, ARCHITECTURAL SERIES, FOX CREEK BLEND INSTALL: SEE SPEC CONTACT: LUCY WALKER, B&L DISTRIBUTING 864-801-1970
NS-2	STONE WALL CAP SIZE: 2" FULL DEPTH. SAW CUT DRIP AT OVERHANG
WDS-1	CYPRESS BOARD SLAT RAINSCREEN, V-GROOVE COLOR/FINISH: CLEAR SATIN STAIN GRADE: SELECT SIZE: 1x4
WD-1	CYPRESS BOARD FASCIA TRIM COLOR/FINISH: CLEAR SATIN STAIN GRADE: SELECT SIZE: 1x8
G-DS	ALUMINUM GUTTER & DOWNSPOUT SYSTEM COLOR: SEE SPEC
RC	RAINCHAIN SYSTEM B.O.D. SUPPLIER: RAINCHAINS.COM MODEL: CL01, CAST LINK CHAIN COLOR: POWDER COATED BLACK
SF	ALUMINUM FRAMED STOREFRONT MFG: KAWNEER COLOR/FINISH: BLACK NO. 29
SKY	ALUMINUM FRAMED SKYLIGHT MFG: VELUX MODEL: DECK-MOUNT, FIXED SKYLIGHT
SD	SLIDING DOOR MFG: MARVIN MODEL: ULTIMATE SERIES 2-PANEL PATIO DOOR W/ LOW PROFILE SILL MATERIAL: ALUMINUM CLAD, SEE SPEC COLOR/FINISH: SEE SPEC
SSM	PRE-FINISHED MTL STANDING SEAM METAL ROOF MFG: SEE SPECIFICATIONS COLOR/FINISH: SELECTED FROM MFGR FULL RANGE PANEL: 12"
PMT	PRE-FINISHED MTL TRIM MFG: SEE SPECIFICATION COLOR/FINISH: MATCH STANDING SEAM METAL ROOF



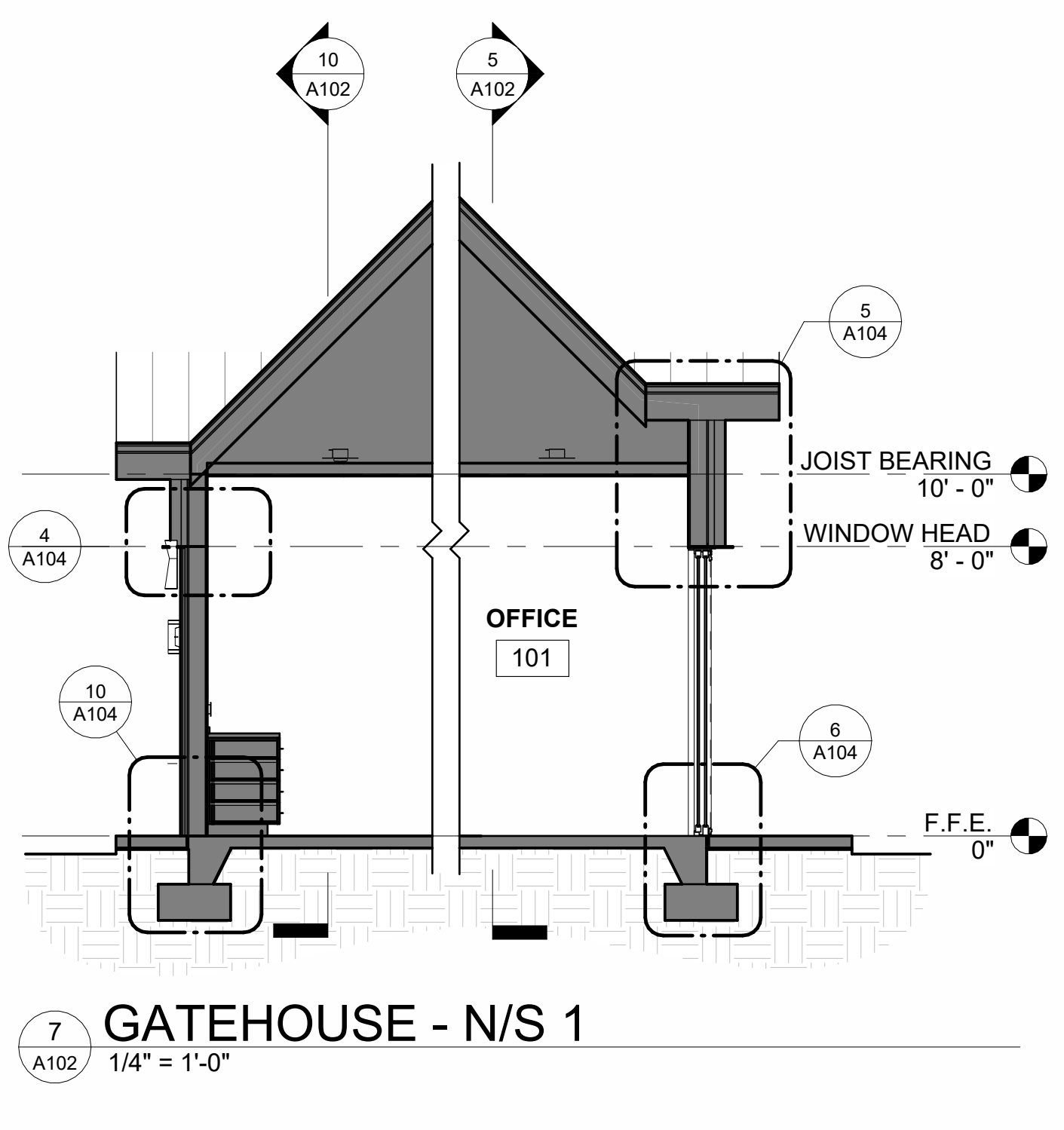
8 GATEHOUSE - CORNER WINDOW
 3/4" = 1'-0"



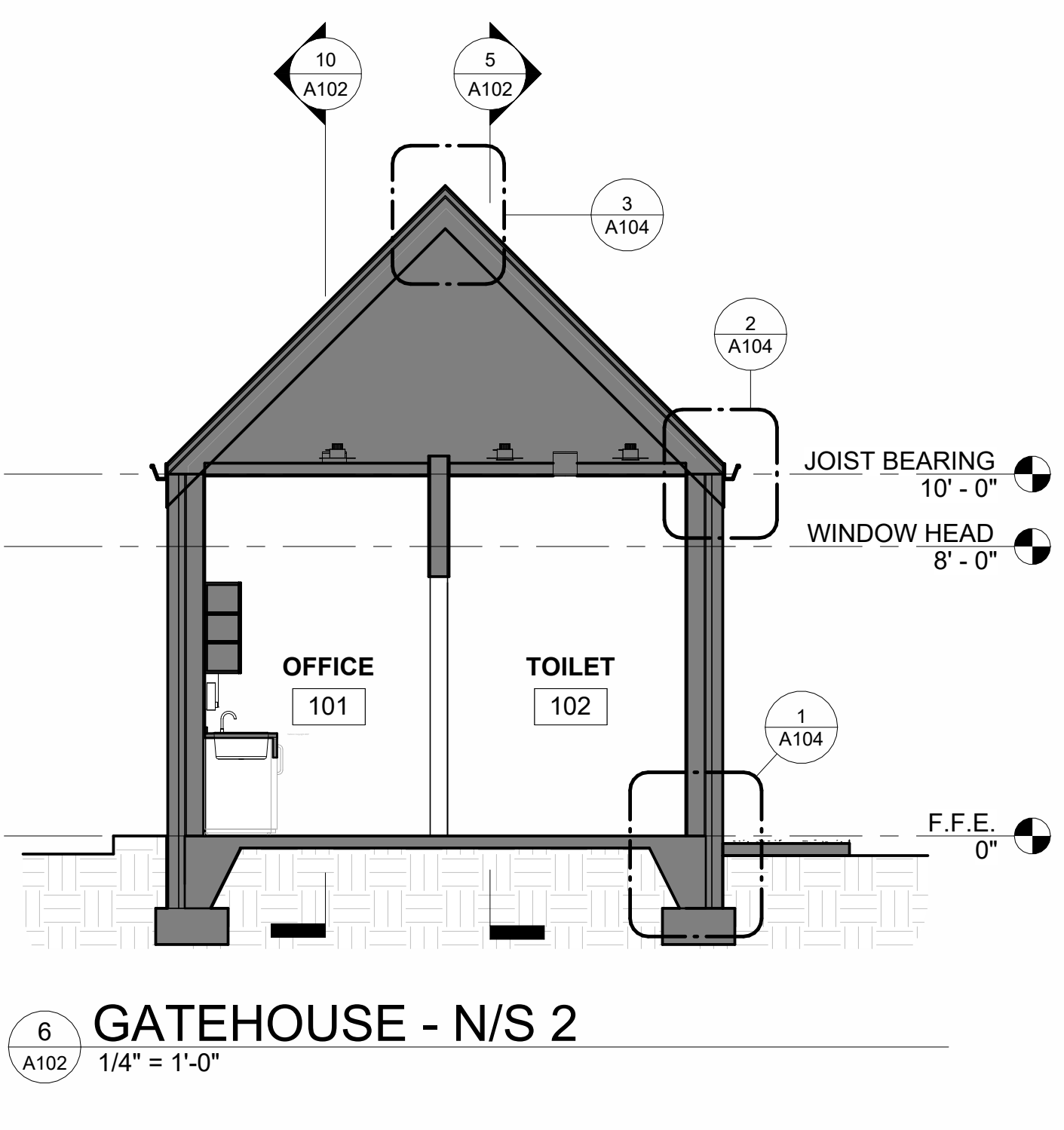
9 REMOTE PLANTER ELEVATION
 1/4" = 1'-0"



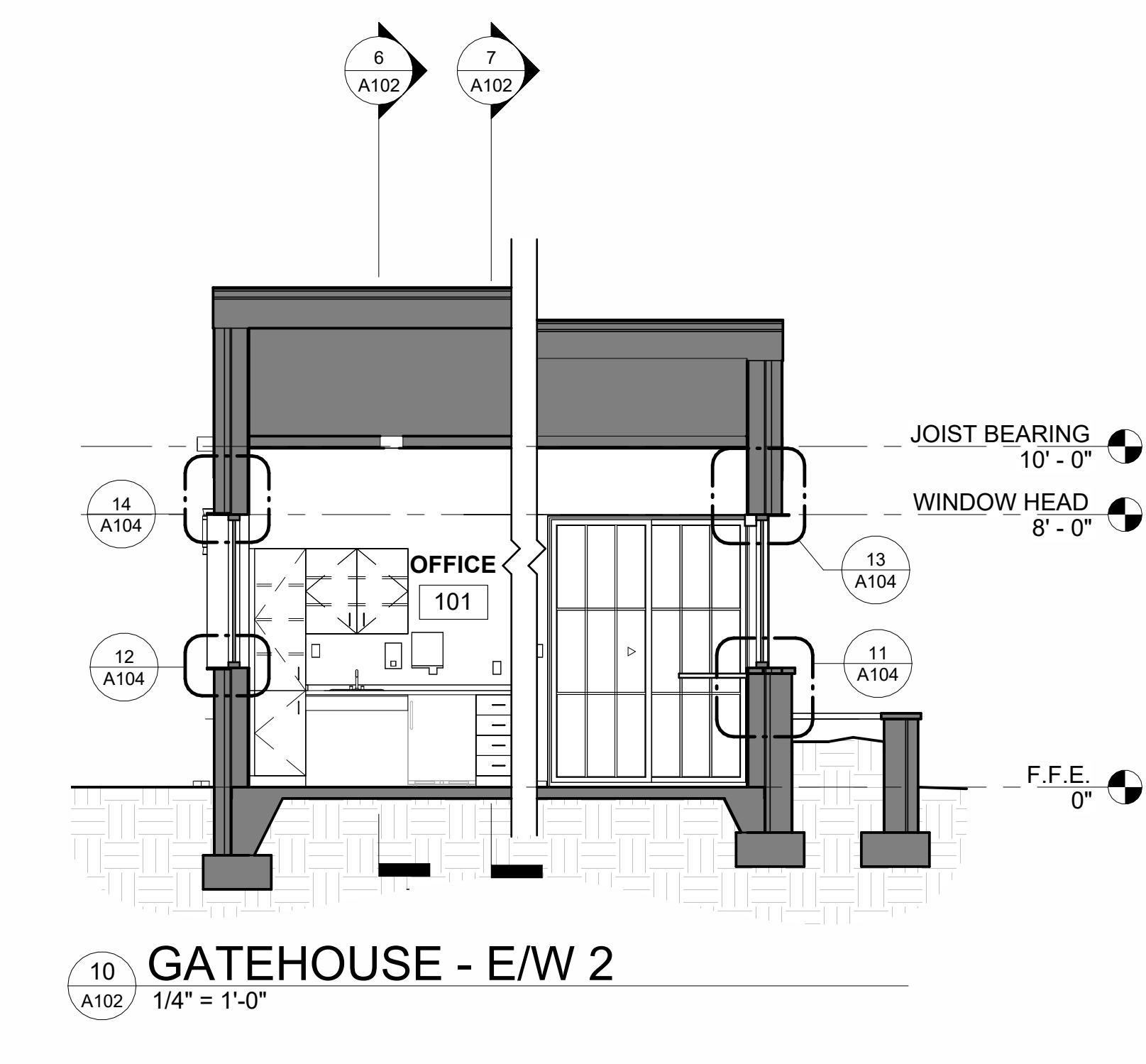
5 GATEHOUSE - E/W 1
 1/4" = 1'-0"



7 GATEHOUSE - N/S 1
 1/4" = 1'-0"

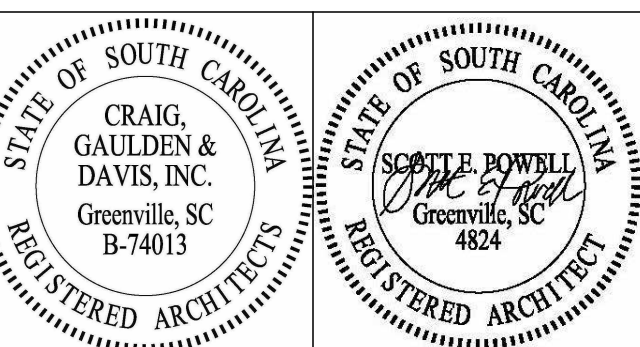


6 GATEHOUSE - N/S 2
 1/4" = 1'-0"



10 GATEHOUSE - E/W 2
 1/4" = 1'-0"

7 6 5 4 3 2 1



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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

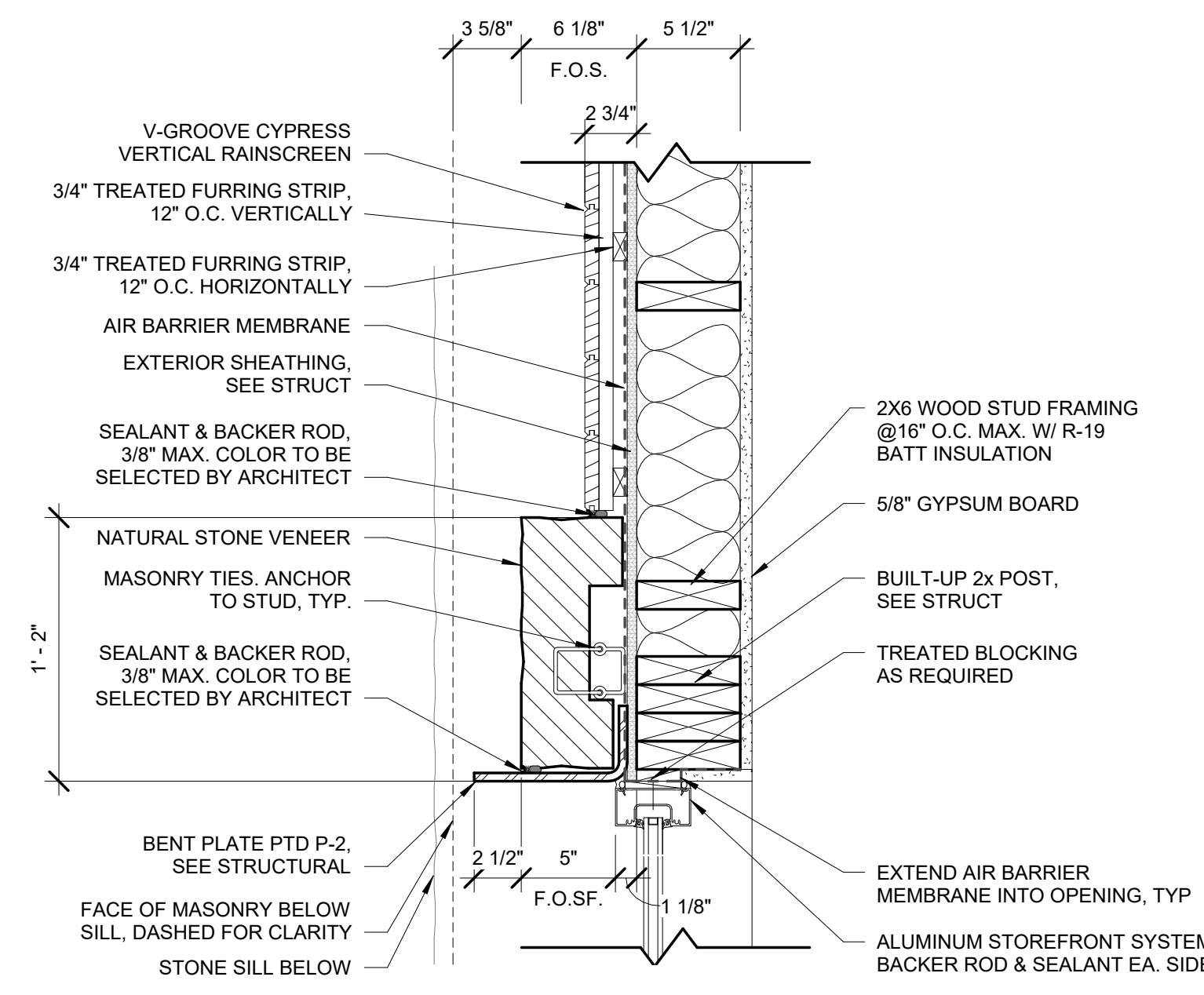
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DATE	MARK	DESCRIPTION

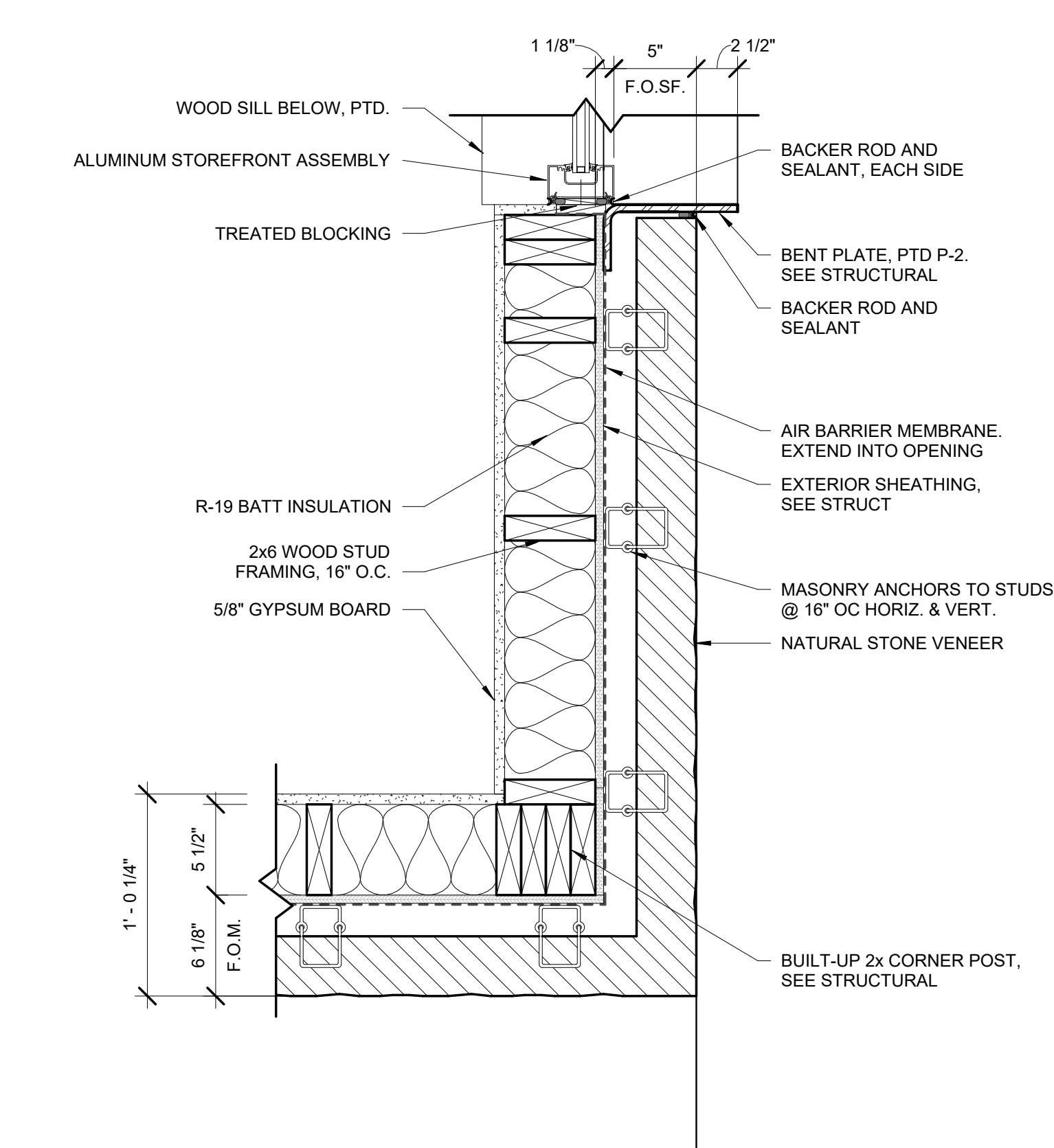
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GATEHOUSE - PLAN DETAILS

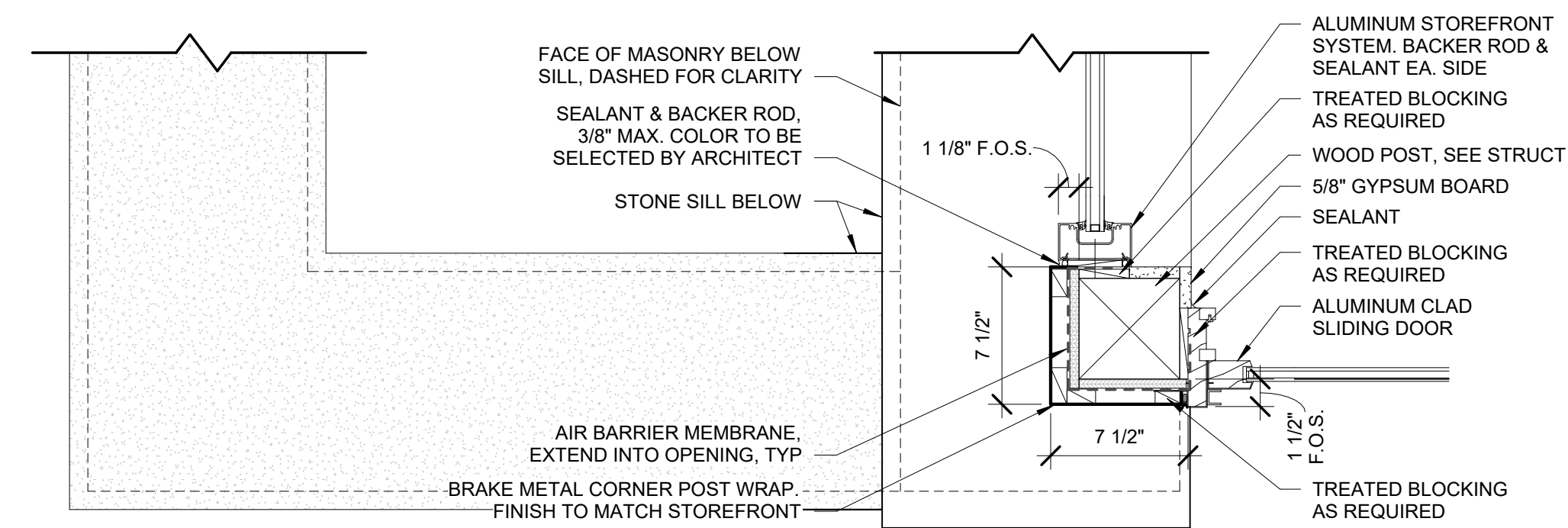
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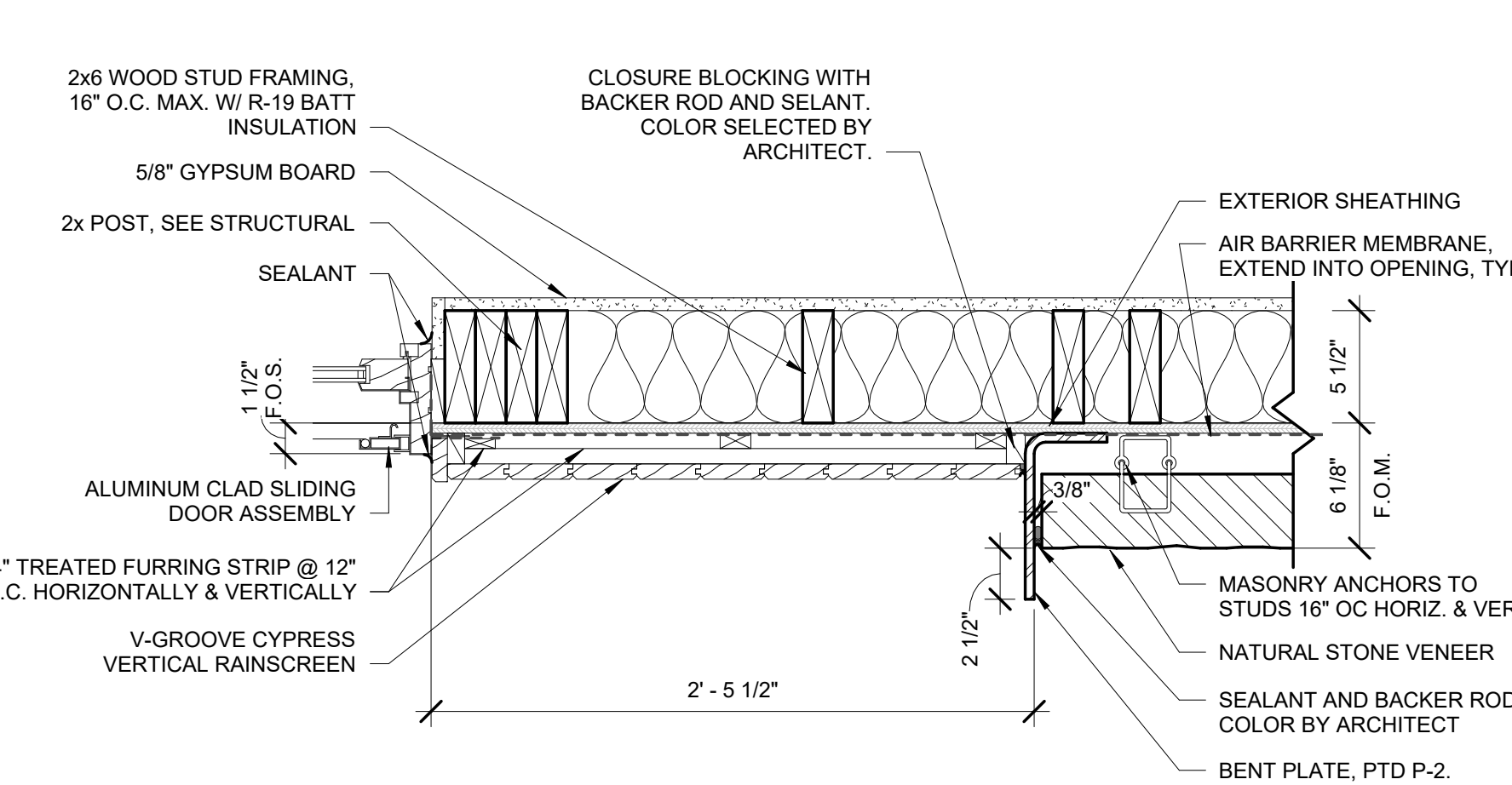
4 GATEHOUSE - WINDOW JAMB & SIDING TRANSITION
A103 1 1/2" = 1'-0"



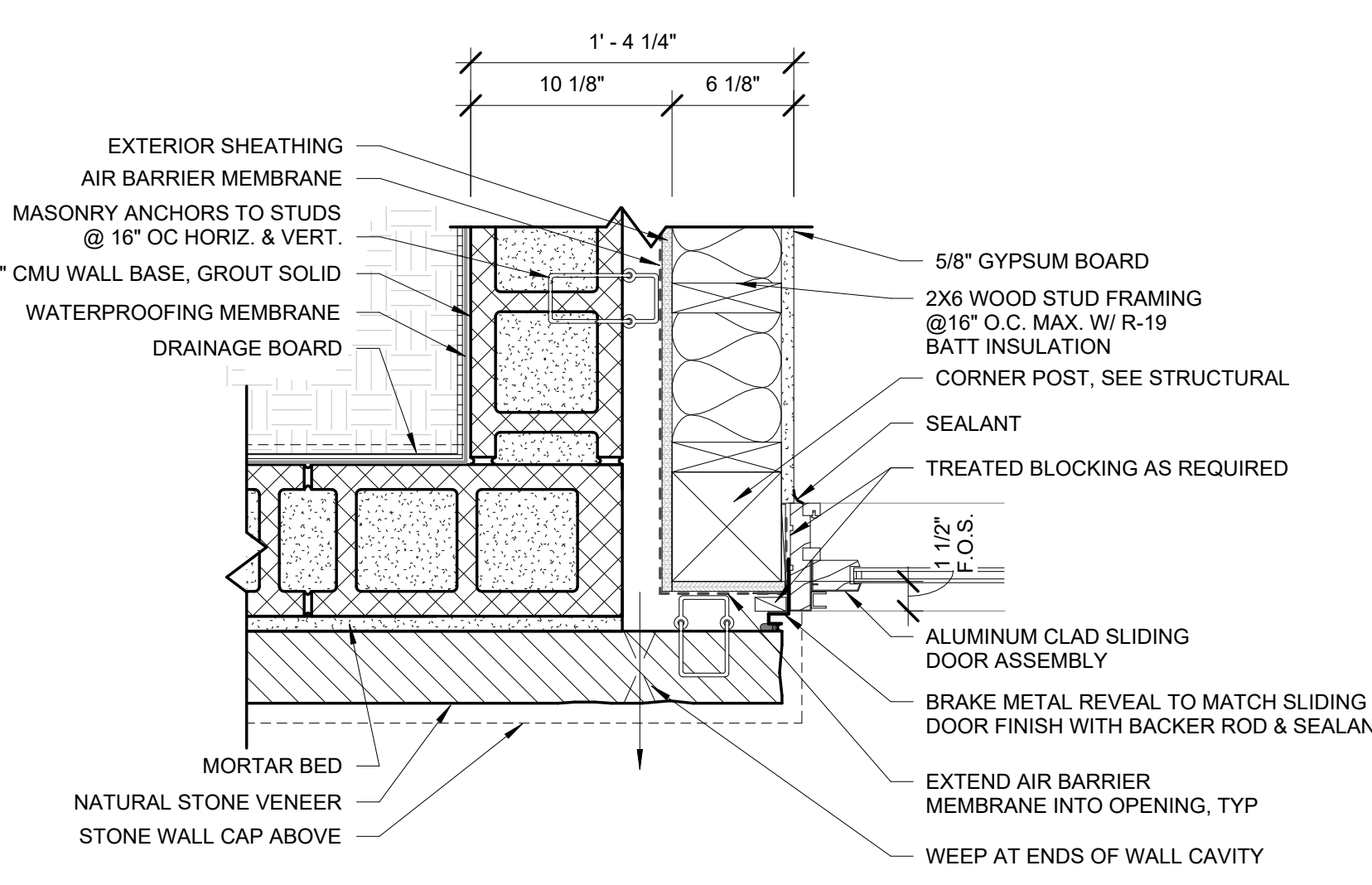
3 GATEHOUSE - OUTSIDE CORNER, TYP
A103 1 1/2" = 1'-0"



1 GATEHOUSE - PLANTER CORNER (HIGH) DETAIL ABOVE PLANTER
A103 1 1/2" = 1'-0"

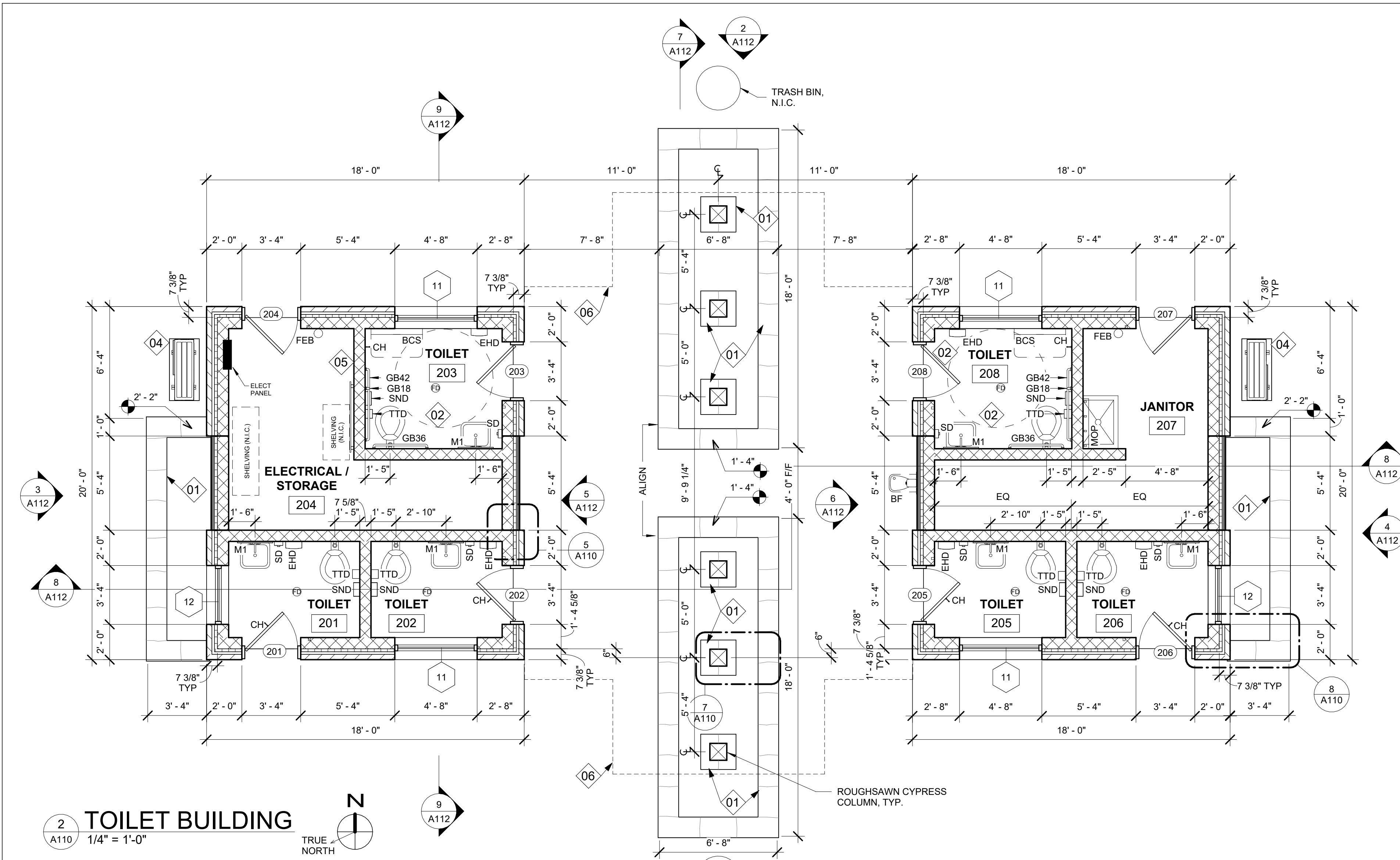


2 PLAN DETAIL - RECESSED RAINSCREEN
A103 1 1/2" = 1'-0"



5 GATEHOUSE - PLANTER CORNER (LOW) DETAIL AT PLANTER HEIGHT
A103 1 1/2" = 1'-0"

Autodesk Docs://Catawba Bend Entrance and Restrooms/Catawba Bend - Entrance & Restrooms/24.03.2024 10:56 PM



TOILET ACCESSORY LEGEND

- TTD TOILET TISSUE DISPENSER
- GB42 42" GRAB BAR
- GB36 36" GRAB BAR
- GB18 18" GRAB BAR (VERTICAL MOUNT)
- M1 24" x 36" MIRROR
- CH COAT HOOK
- MOP MOP RACK
- SND SANITARY NAPKIN DISPOSAL UNIT
- SD SOAP DISPENSER
- PTD PAPER TOWEL DISPENSER
- EHD ELECTRIC HAND DRYER
- BF HYDRATION STATION WITH BOTTLE FILLER
- BCS BABY CHANGING STATION

- #### TOILET ACCESSORY NOTES
- GC SHALL FURNISH AND INSTALL 2x4 WOOD BLOCKING AS REQUIRED TO SECURELY FASTEN ALL TOILET ACCESSORIES.

- #### TOILET NOTES
- OUTSIDE CORNER OF CMU WALLS SHALL BE BULLNOSED UNLESS NOTED OTHERWISE.

KEY NOTE LEGEND

- 01 2" STONE WALL CAP - SET IN FULL BED OF MORTAR, CHISELED EDGE FINISH WITH OVERHANG, 1" MINIMUM.
- 02 NEW BUILDING TURN RADIUS PER ICC A117.1-2017
- 03 NEW BUILDING PARALLEL APPROACH CLEARANCE PER ICC A117.1-2017
- 04 PROVIDE 4" CONDENSER PAD, VERIFY REQUIRED SIZE
- 05 IT RACK MOUNT LOCATION PROVIDE PLYWOOD PANEL ON WALL FOR EQUIPMENT ATTACHMENT. PAINT TO MATCH ADJACENT WALL SURFACE, VERIFY SIZE & MOUNTING HEIGHT WITH OWNER.
- 06 LINE OF STRUCTURE ABOVE
- 07 STAFF LOCKER, SEE LOCKER SCHEDULE

GENERAL FLOOR PLAN NOTES

- Unless noted otherwise in the contract documents, dimensions identify:
 - the centerline of columns and structural steel components,
 - the centerline of interior studs,
 - the face of exterior studs and/or
 - the face of masonry / stone walls.
- All masonry / stone dimensions indicate nominal dimensions. The contractor shall make proper allowances for joint materials in laying out the work.
- Provide code approved wood blocking or sheet metal plates in hollow wall systems for attachment of any wall mounted accessories including, but not limited to, shelving, casework, toilet accessories, toilet partitions, light fixtures, benches, coat rods, televisions, audio-visual equipment, security cameras, sliding door tracks, marker boards, and mirrors.
- Walls indicated by the finish schedule to be painted where no ceiling is indicated shall be painted to the upper limits of the wall construction. Refer to the finish schedule for painting of exposed structure and mechanical/electrical components.
- Unless noted otherwise in the contract documents by a wall type or specific note, all non-rated stud partitions shall extend to the deck above.
- All wood stud walls shall be 16" o.c. with pressure treated sill plate.
- All exterior corners and ends of gypsum wall board partitions shall have metal corner beads unless noted otherwise.

DOOR & HARDWARE NOTES:

- CONTRACTOR TO PROVIDE HARDWARE SUPPLIER/CONSULTANT.
- PROVIDE KEYING CONFERENCE WITH CONTRACTOR, DOOR SUPPLIER, ARCHITECT, AND OWNER.
- PROVIDE SHOP DRAWING SUBMITTALS FOR REVIEW AND APPROVAL.
- ALL HARDWARE TO BE ANSI / BHMA GRADE 1.
- BASIS OF DESIGN ASSA ABLOY.

HARDWARE SCHEDULE:

- SET: 01 EXTERIOR STORAGE / SERVICE: HINGES, MORTISE LOCK SET WITH STORAGE FUNCTION, CLOSER, WEATHER GASKETS, THRESHOLD FINISH: SATIN STAINLESS STEEL
- 02 EXTERIOR TOILET ROOM: HINGES, MORTISE LOCKSET WITH PRIVACY FUNCTION & OCCUPIED INDICATOR, CLOSER, WEATHER GASKETS, THRESHOLD FINISH: SATIN STAINLESS STEEL
- 03 INTERIOR TOILET ROOM: HINGES, MORTISE LOCKSET WITH PRIVACY FUNCTION, FINISH: SATIN STAINLESS STEEL
- 04 SLIDING DOOR: ADA COMPLIANT DOOR PULL AND LOCK SET BY DOOR MANUFACTURER.

SIGN SCHEDULE:

- TYPE: A ACCESSIBLE TOILET ROOM; 8"x8" SIGN, GRADE II RAISED BRAILLE & PICTOGRAM, ADA, GENDER INCLUSIVE, BABY CHANGING STATION
- B TOILET ROOM; 8"x8" SIGN, GRADE II RAISED BRAILLE & PICTOGRAM, GENDER INCLUSIVE TOILET

FLOOR PLAN LEGEND

N TRUE NORTH

Room name 101 ROOM TAG

1 SIM SECTION / ELEVATION CALLOUT

A101 ELEVATION TARGET

W1 WINDOW TAG

CL CENTER LINE

101 NEW DOOR WITH DOOR TAG

FEB FIRE EXTINGUISHER CABINET

FEC(R) RECESSED

FEC(S) SEMI RECESSED

FEC(F) FLUSH MOUNTED

FEC(B) BRACKET MOUNTED

FD FLOOR DRAIN

BF HYDRATION STATION WITH BOTTLE FILLER

WALL LEGEND

CONCRETE

CONCRETE MASONRY

WOOD STUD WALL WITH GYPSUM WALL BOARD

WALL LEGEND NOTES:

- INTERIOR WALLS SHALL BE TYPE M8 UNLESS NOTED OTHERWISE.
- PROVIDE J-MOLD WITH CAULK AND BACKER ROD JOINT WHERE GWB ABUTS DISSIMILAR MATERIALS SUCH AS CMU AND GWB.

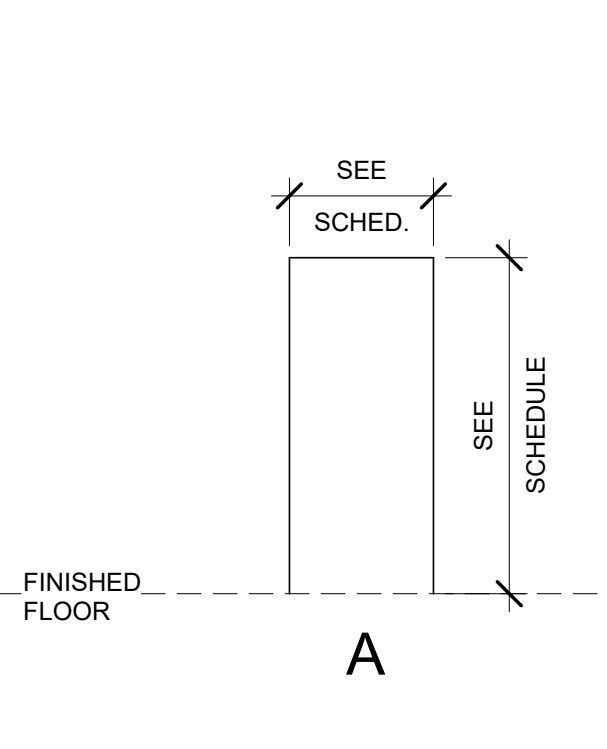
DOOR ABBREVIATION LEGEND

- HM HOLLOW METAL
- SCW SOLID CORE WOOD
- TEMP TEMPERED
- PR PAIR
- ALUM ALUMINUM

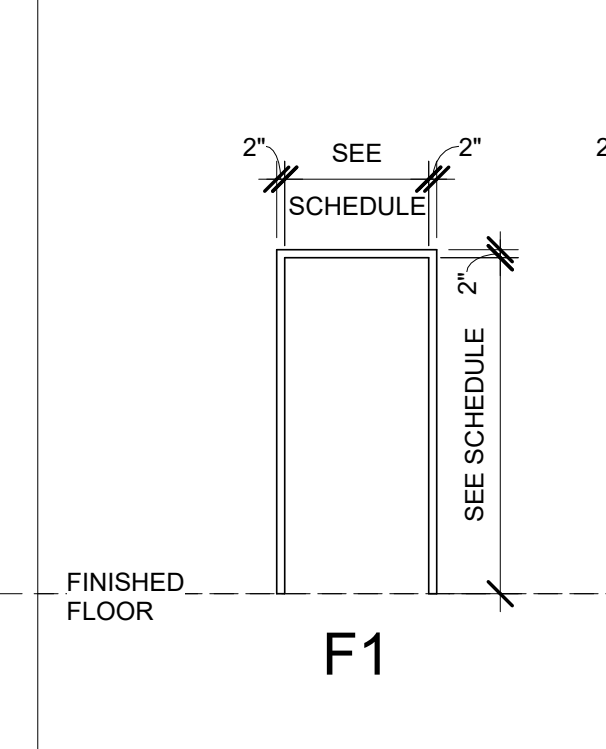
GLAZING LEGEND

- GLF-X SAFETY GLAZING TYPE
 - GL GENERAL GLAZING TYPE
 - GL1 OBSCURE EXTERIOR GLAZING (SEE SPECS)
 - GL2 EXTERIOR GLAZING (SEE SPECS)
 - T TEMPERED SAFETY GLASS
- NOTE: SEE SPECIFICATIONS FOR DETAILED DESCRIPTIONS OF THE VARIOUS GLAZING TYPES.

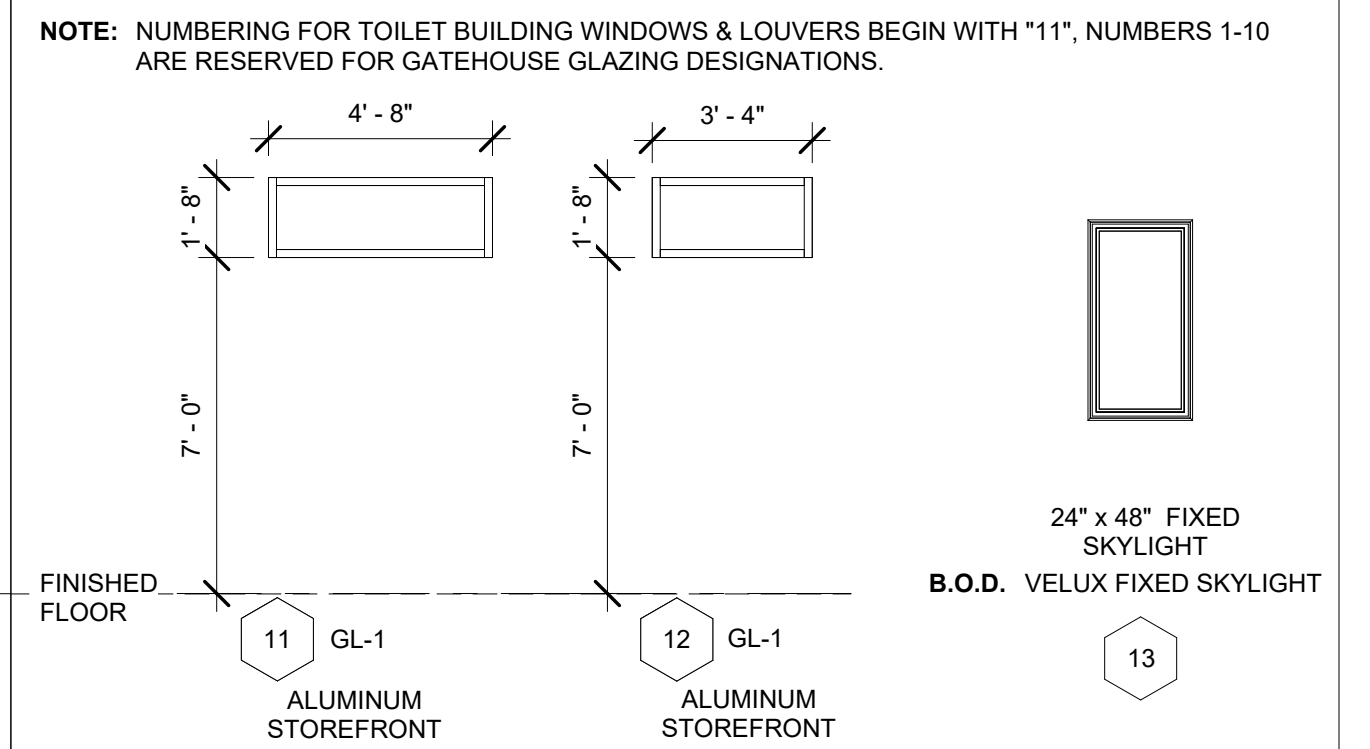
DOOR LEGEND



FRAME LEGEND



WINDOW LEGEND



ROOM NUMBER	DOOR NUMBER	DOOR		FRAME				HARDWARE	SIGN	REMARKS		
		WIDTH	HEIGHT	TYPE	MATL	TYPE	MATL				HEAD	JAMB
201	201	3' - 0"	7' - 0"	A	HM	F3	HM	ST1M8H	ST1M8J	02	B	
202	202	3' - 0"	7' - 0"	A	HM	F3	HM	ST1M8H	ST1M8J	02	B	
203	203	3' - 0"	7' - 0"	A	HM	F3	HM	ST1M8H	ST1M8J	02	A	
204	204	3' - 0"	7' - 0"	A	HM	F2	HM	ST1M8H	ST1M8J	01	-	
205	205	3' - 0"	7' - 0"	A	HM	F3	HM	ST1M8H	ST1M8J	02	B	
206	206	3' - 0"	7' - 0"	A	HM	F3	HM	ST1M8H	ST1M8J	02	B	
207	207	3' - 0"	7' - 0"	A	HM	F2	HM	ST1M8H	ST1M8J	01	-	
208	208	3' - 0"	7' - 0"	A	HM	F3	HM	ST1M8H	ST1M8J	02	A	

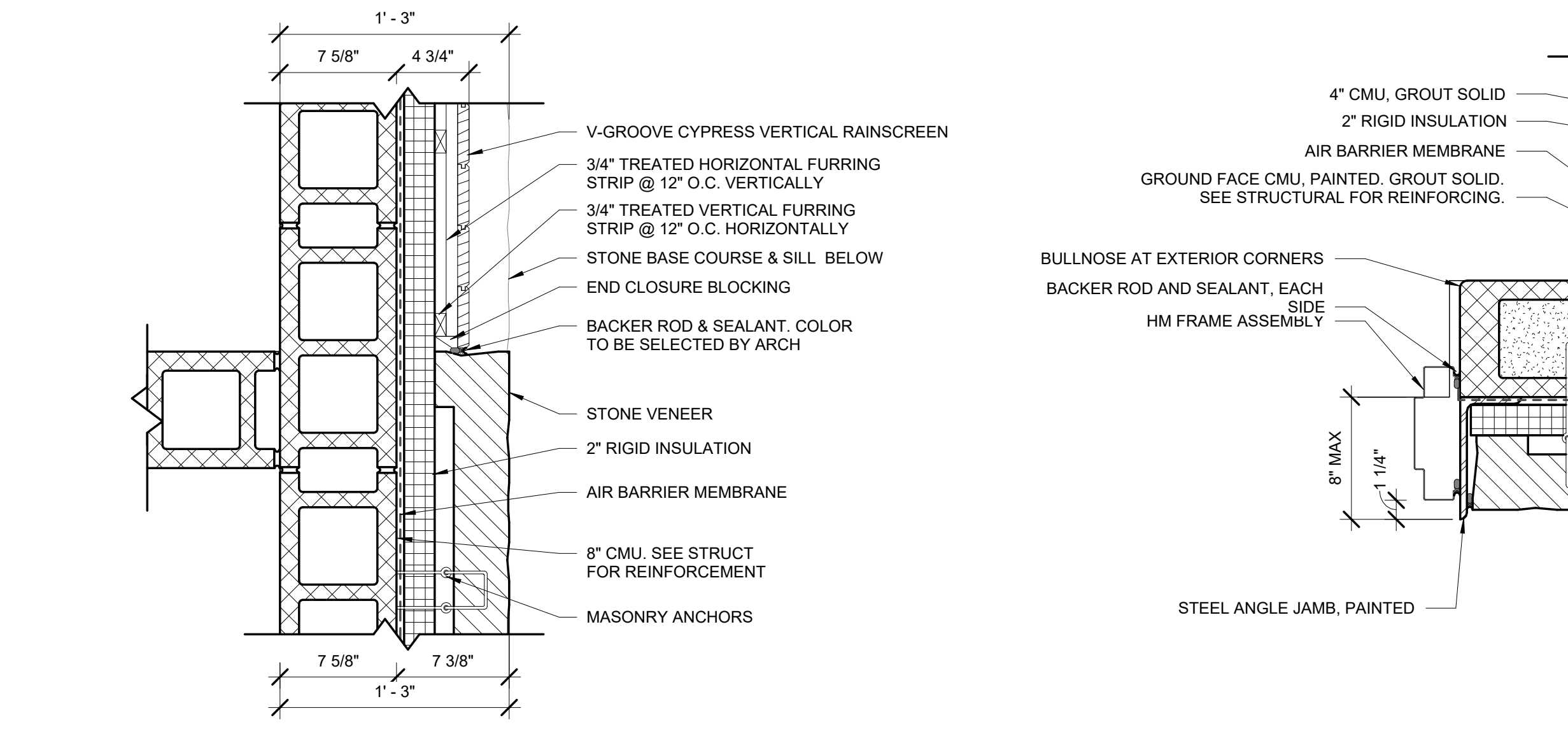
2 TOILET BUILDING

1/4" = 1'-0"

TRUE NORTH

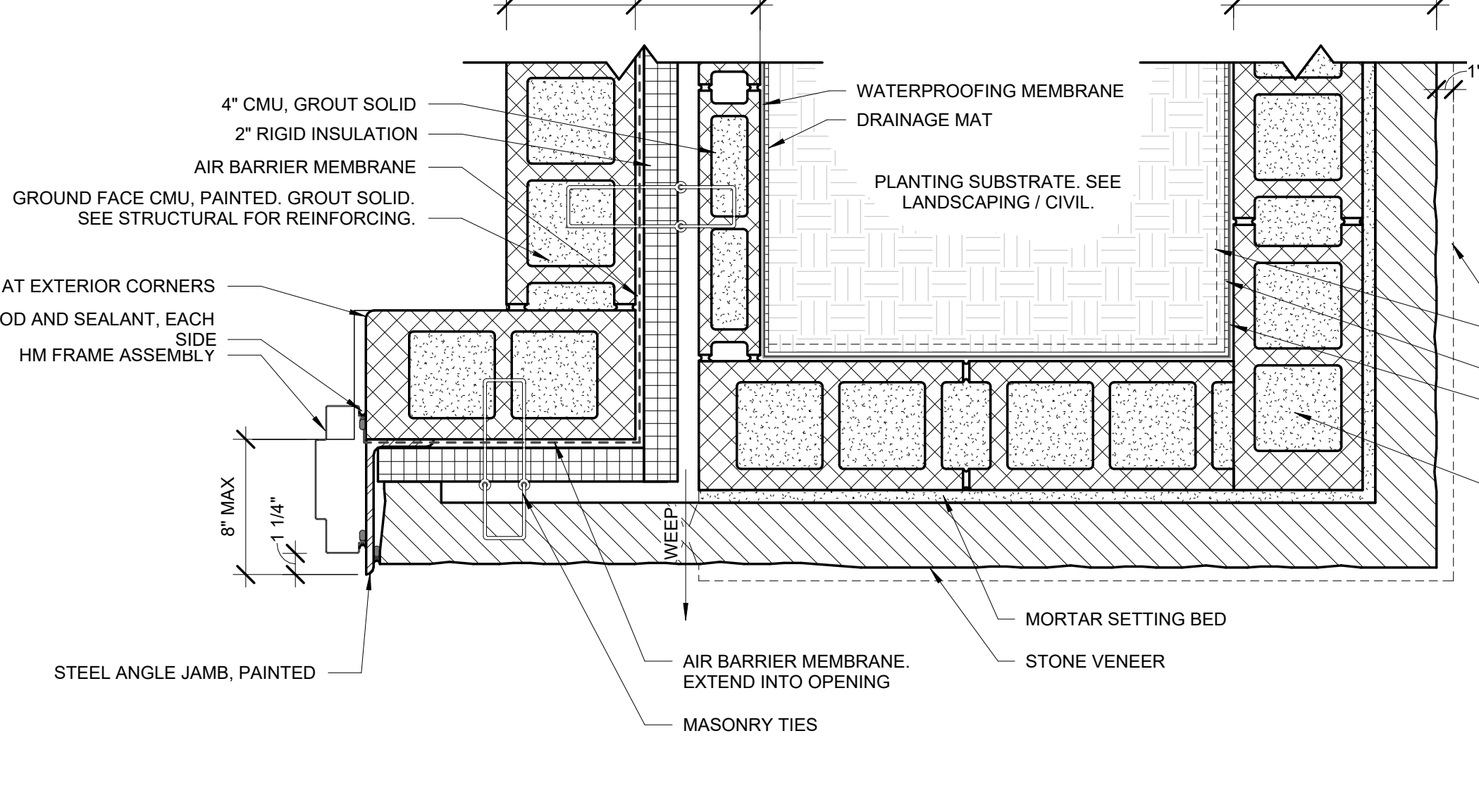
5 STONE-WOOD TRANSITION

1 1/2" = 1'-0"



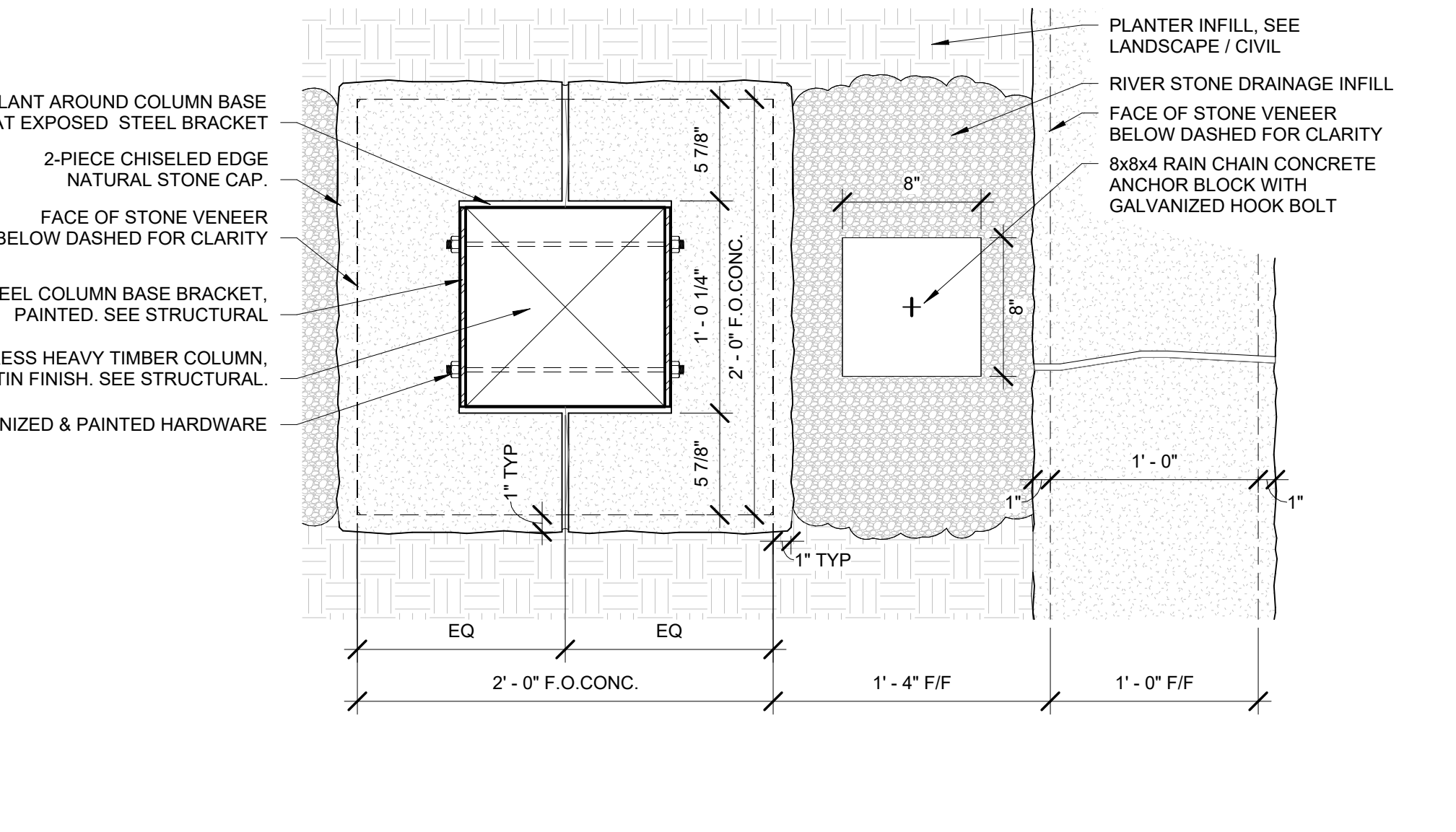
8 EXTERIOR CORNER AT PLANTER

1 1/2" = 1'-0"



7 RAIN GARDEN COLUMN BASE

1 1/2" = 1'-0"



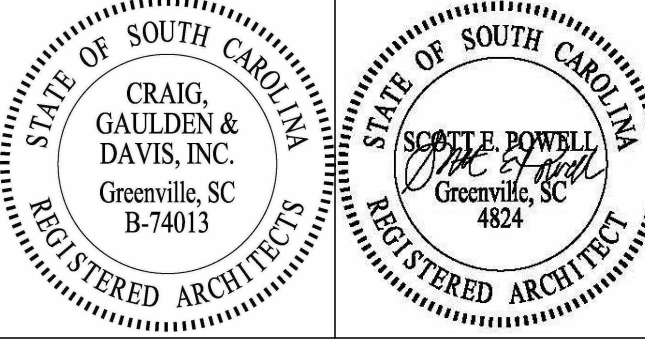
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CATAWBA BEND PRESERVE PHASE 1

3271 Neely Store Road
Rock Hill, SC 29730

DATE MARK DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS

DATE: 03.08.2024

PROJECT NO: 23037

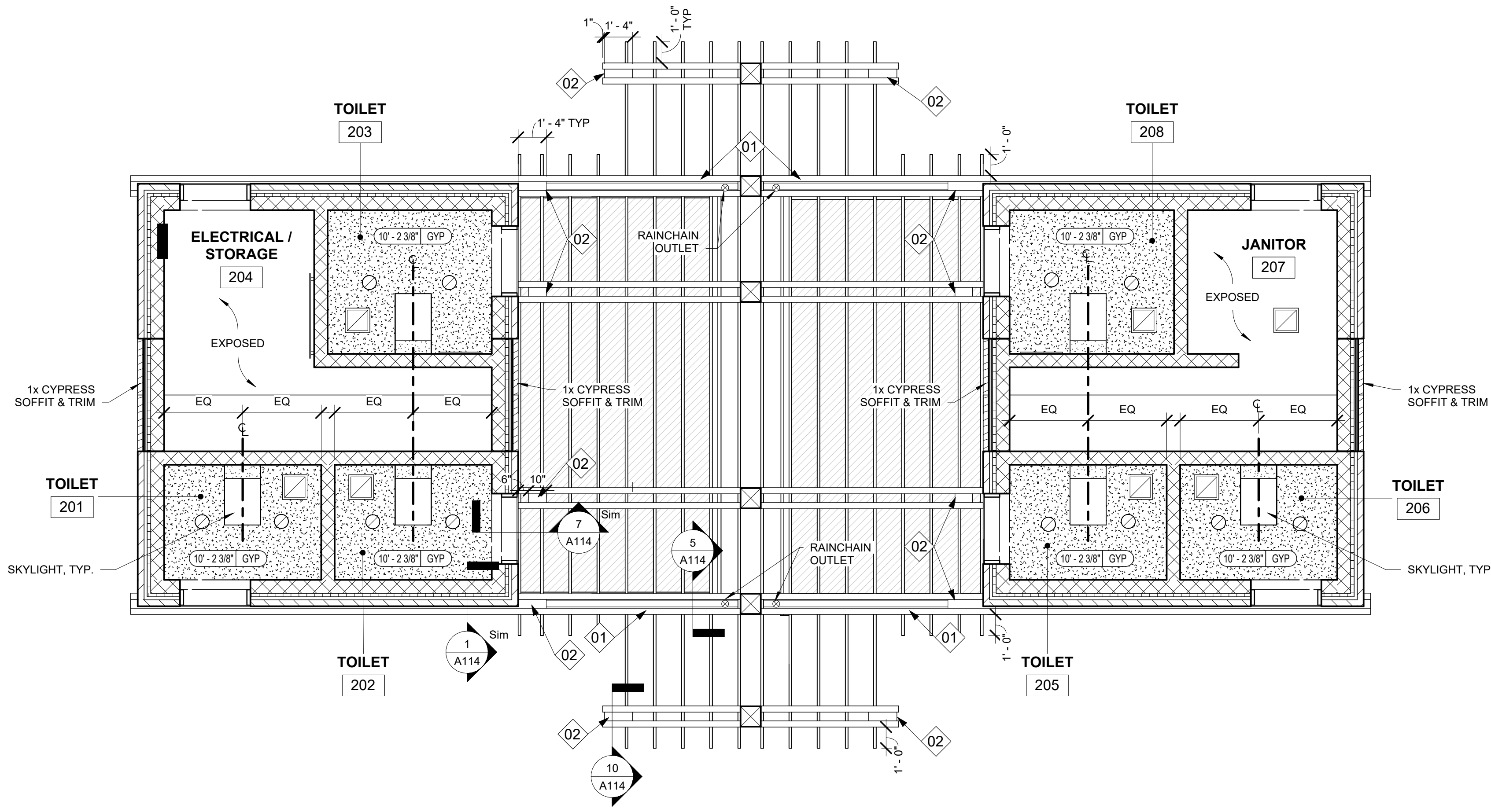
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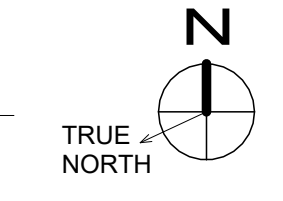
TOILET BUILDING - PLANS & SCHEDULES

A110

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2 TOILET BUILDING - RCP
1/4" = 1'-0"



KEY NOTE LEGEND

- 01 LAMINATED GIRDER BEAMS WITH GUTTER TO RAINCHAIN OUTLET
- 02 END BLOCKING ON GIRDER BEAM PAIRS. SEE STRUCTURAL.
- 03 -NOT USED-

REFLECTED CEILING PLAN LEGEND

- GYPSUM BOARD CEILING
- METAL ROOF PANEL PAINT UNDERSIDE TO MATCH ROOF COLOR WHERE EXPOSED TO VIEW
- STRIP LIGHT FIXTURE
- DOWN LIGHT
- EXHAUST FAN. SEE MECHANICAL DRAWINGS
- CEILING ELEVATION ABOVE FINISHED FLOOR / MATERIAL

GENERAL CEILING NOTES

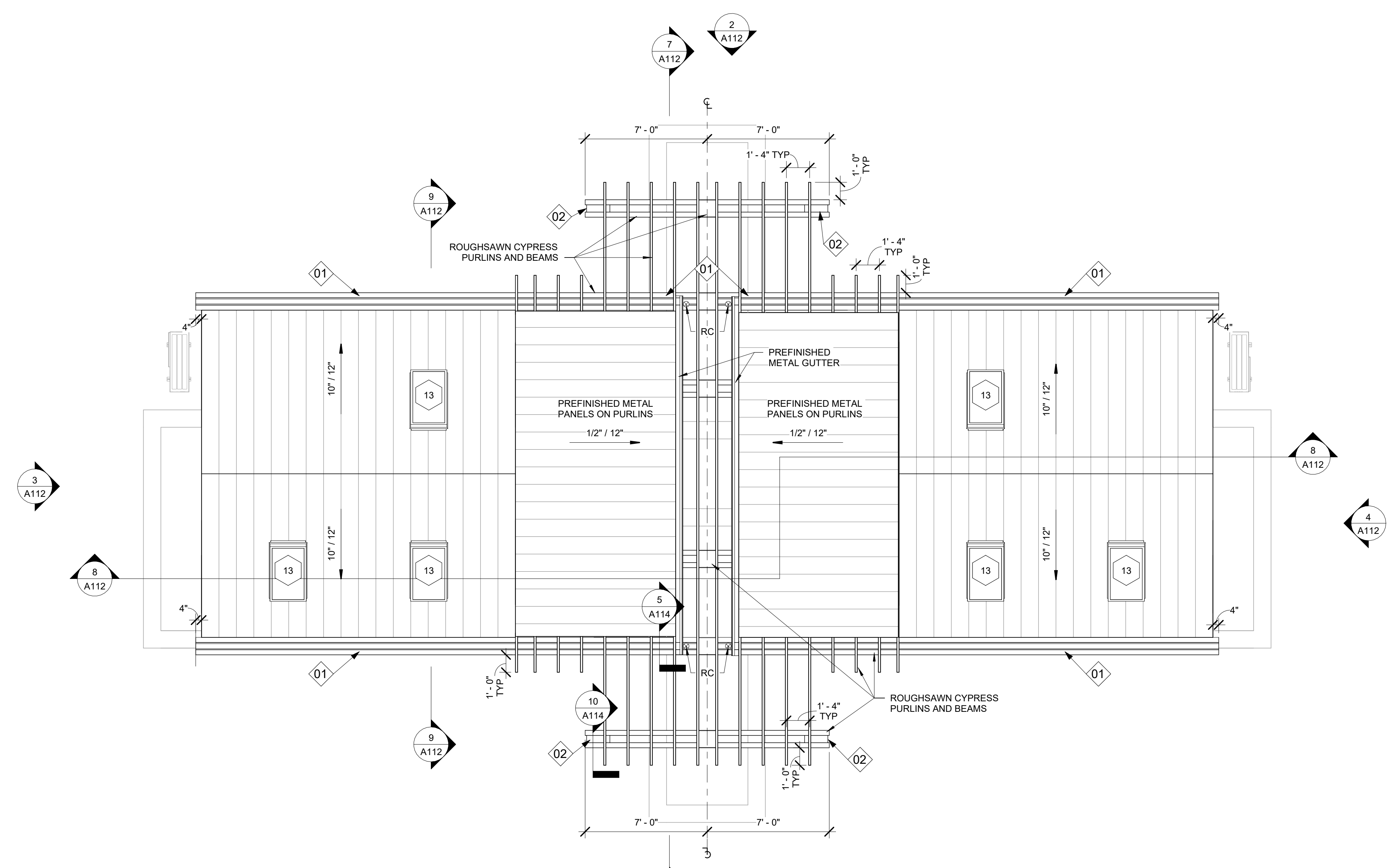
1. See finish schedule for ceiling material specifications.
2. Unless noted otherwise, all ceilings shall be installed to the underside of rafter ties.
3. Provide access panels where required for access to equipment or devices located above continuous hard ceilings. The Contractor shall coordinate the reflected ceiling plans with engineering drawings for access door locations. Where ceiling access doors are required in public areas such as lobbies, public restrooms and conference rooms, access doors shall be through a removable grille in lieu of an operable access door. All access doors shall be indicated on coordination drawings and coordinated in the field with the Architect / Engineer.
4. See engineering drawings for mechanical and electrical devices that are within the scope of the project but which are not depicted on these drawings.
5. Contractor shall provide all necessary framing and cross bracing for gypsum ceilings and vertical walls that define a break in a ceiling plane.
6. All suspended ceiling work shall meet the requirements of all applicable codes and standards. Determination and evaluation of applicable code requirements, the engineering design of the system, and the installation of mechanical and electrical equipment within the suspended ceiling assembly shall be the responsibility of the Contractor or specialty Subcontractors. If required by code, an engineer licensed in the state in which the project is located shall design the system and submit design documents and calculations to the Architect for review.
7. The Contractor shall coordinate all utility piping, ductwork, conduit, equipment, devices, fixtures and grilles with the architectural reflected ceiling plans and building sections. System components indicated on the drawings are approximate in nature and must be coordinated between all Subcontractors during the submittal phase and prior to installation of equipment. The Contractor shall prepare coordination drawings for review and approval prior to the installation of any systems components or suspended ceilings.

ROOF PLAN LEGEND

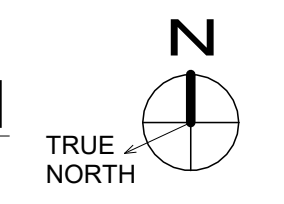
- 4"x4" DOWN SPOUT, PRECAST CONC SPLASH BLOCK AT GRADE
- RAIN CHAIN, ANCHOR BASE TO CONC BLOCK BELOW GRADE
- SLOPE 1/4" / FOOT ROOF SLOPE

GENERAL ROOF NOTES

1. Typical roofing shall be a standing seam metal panel roofing system. See roof details for additional information.
2. Roof slopes shown indicate the final roof slope, roof structure slopes, where indicated on structural drawings to reduce quantity of tapered insulation.



1 TOILET BUILDING - ROOF PLAN
1/4" = 1'-0"



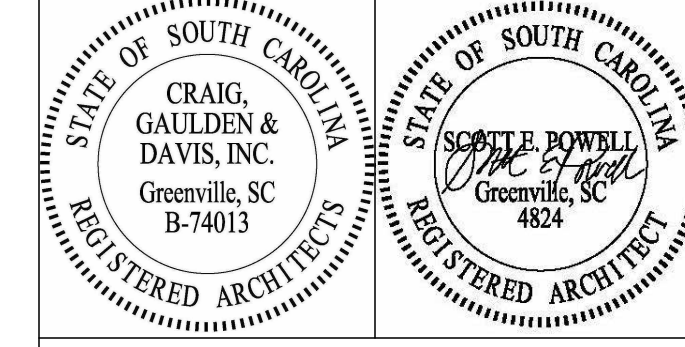
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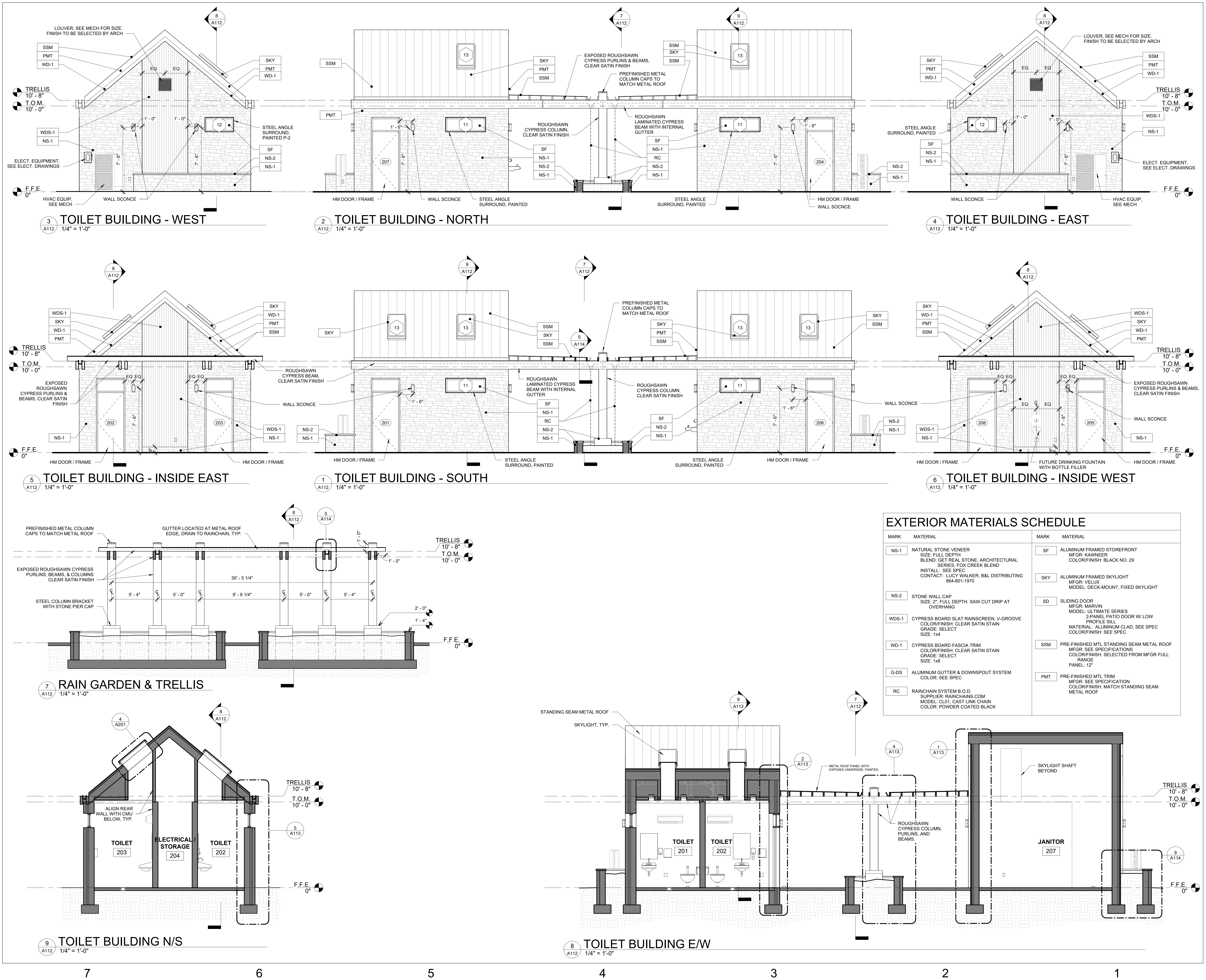
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CHECKED BY: CAG

TOILET BUILDING - CEILING & ROOF PLANS

A111

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STEPHEN BOWEN
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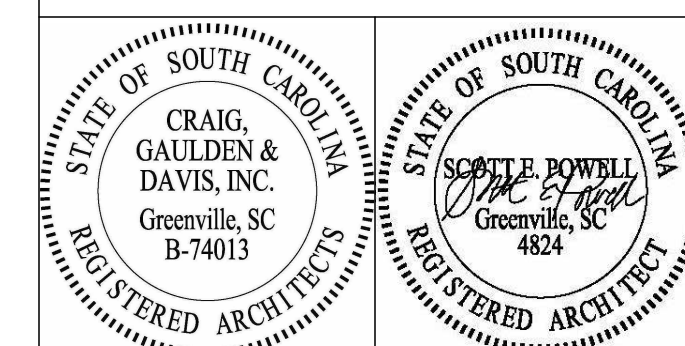
TOILET BUILDING - ELEVATIONS & SECTIONS

A112

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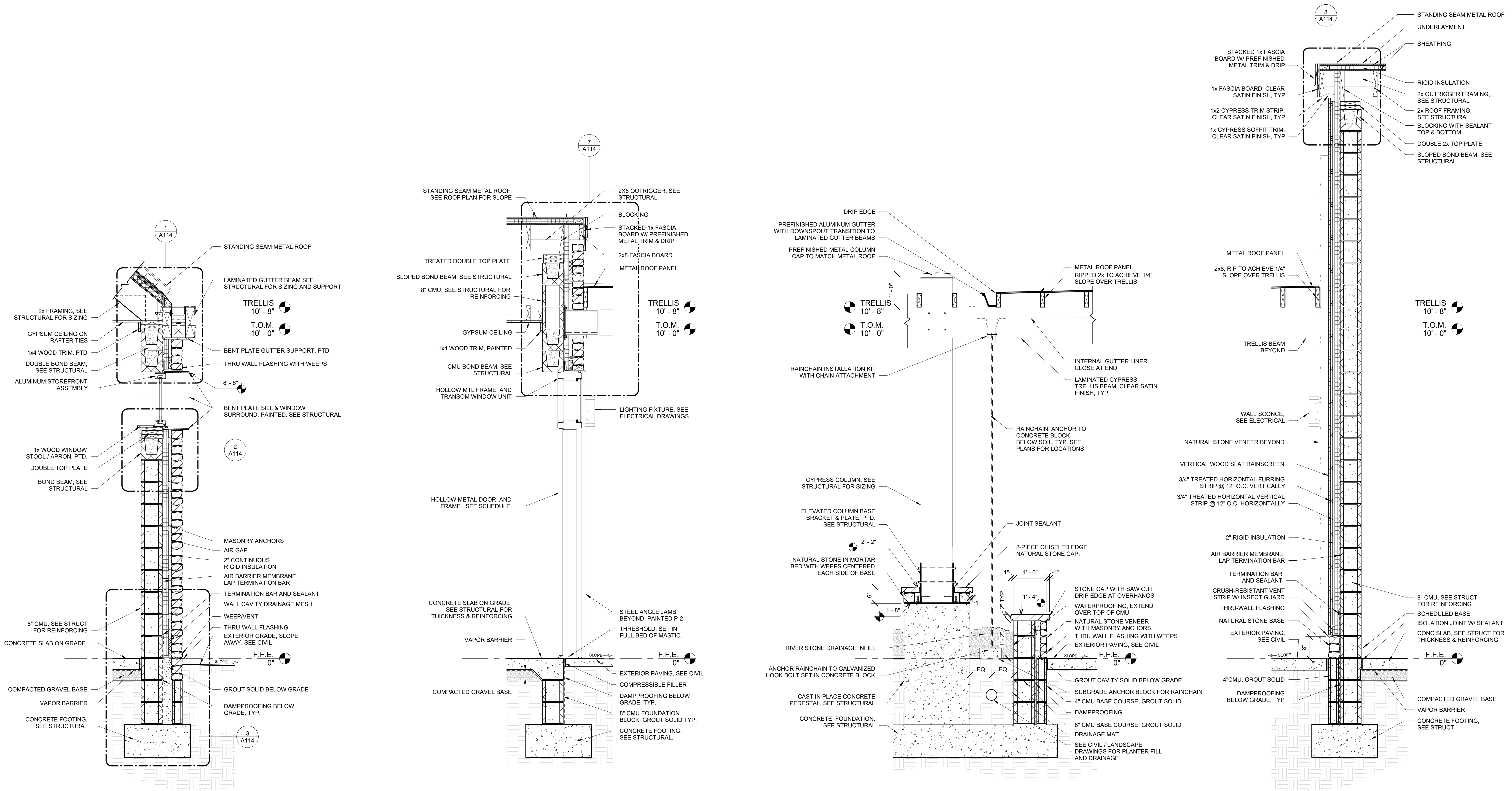
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TOILET BUILDING - WALL SECTIONS

A113

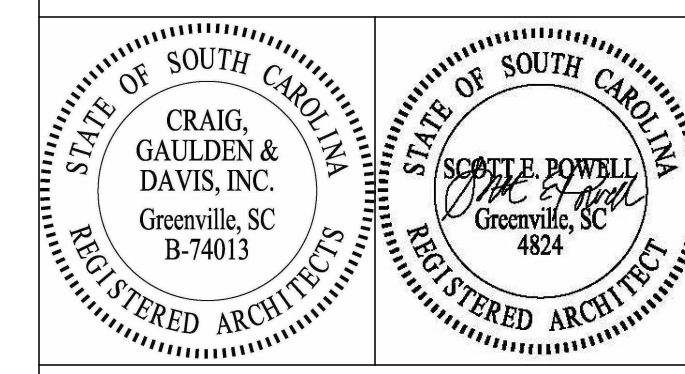


5 TYPICAL TOILET BUILDING WALL **2 TOILET BUILDING - BREEZEWAY** **4 RAIN GARDEN SEAT WALL** **1 RAIN SCREEN AT CONC WALK**

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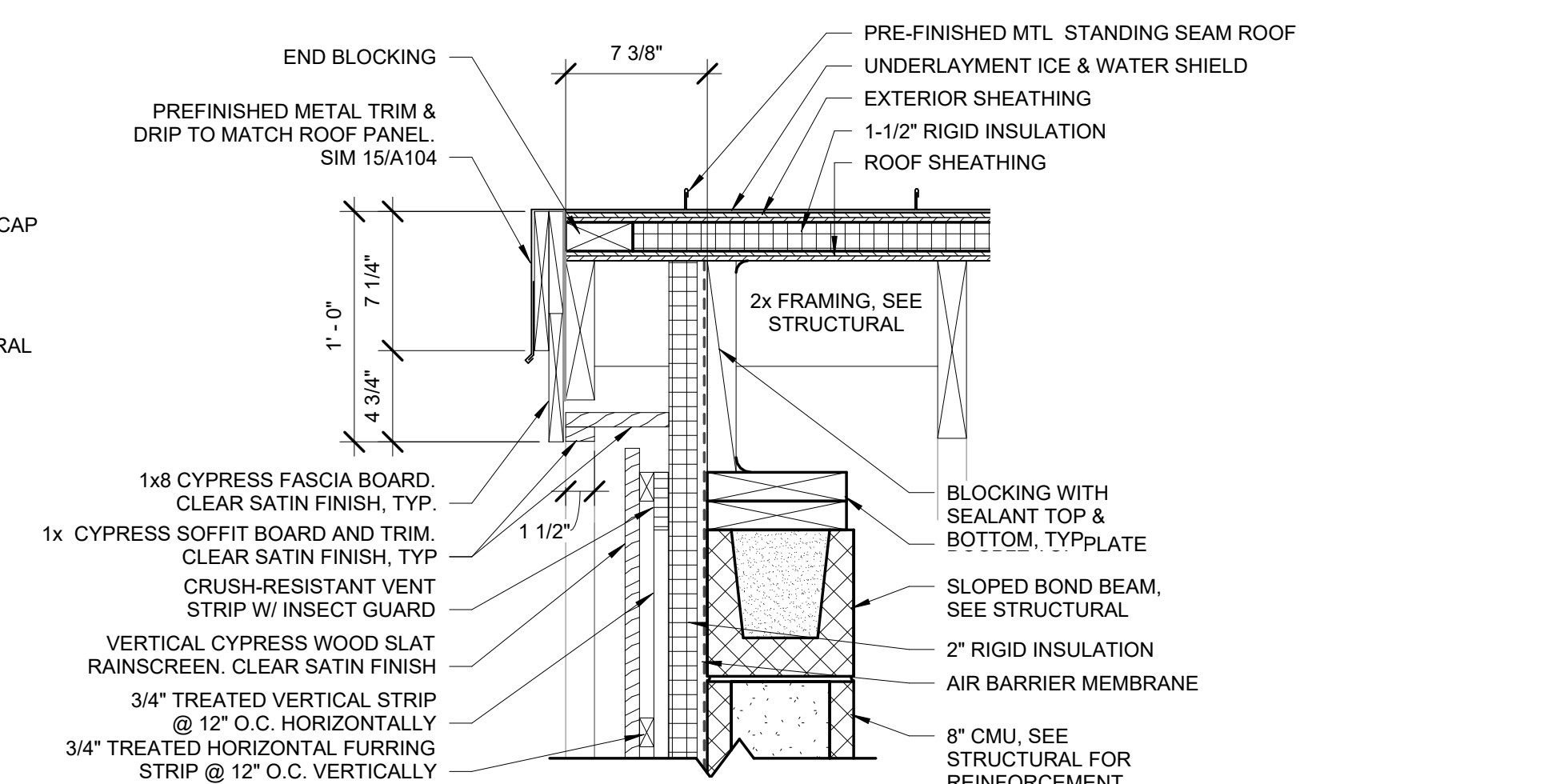
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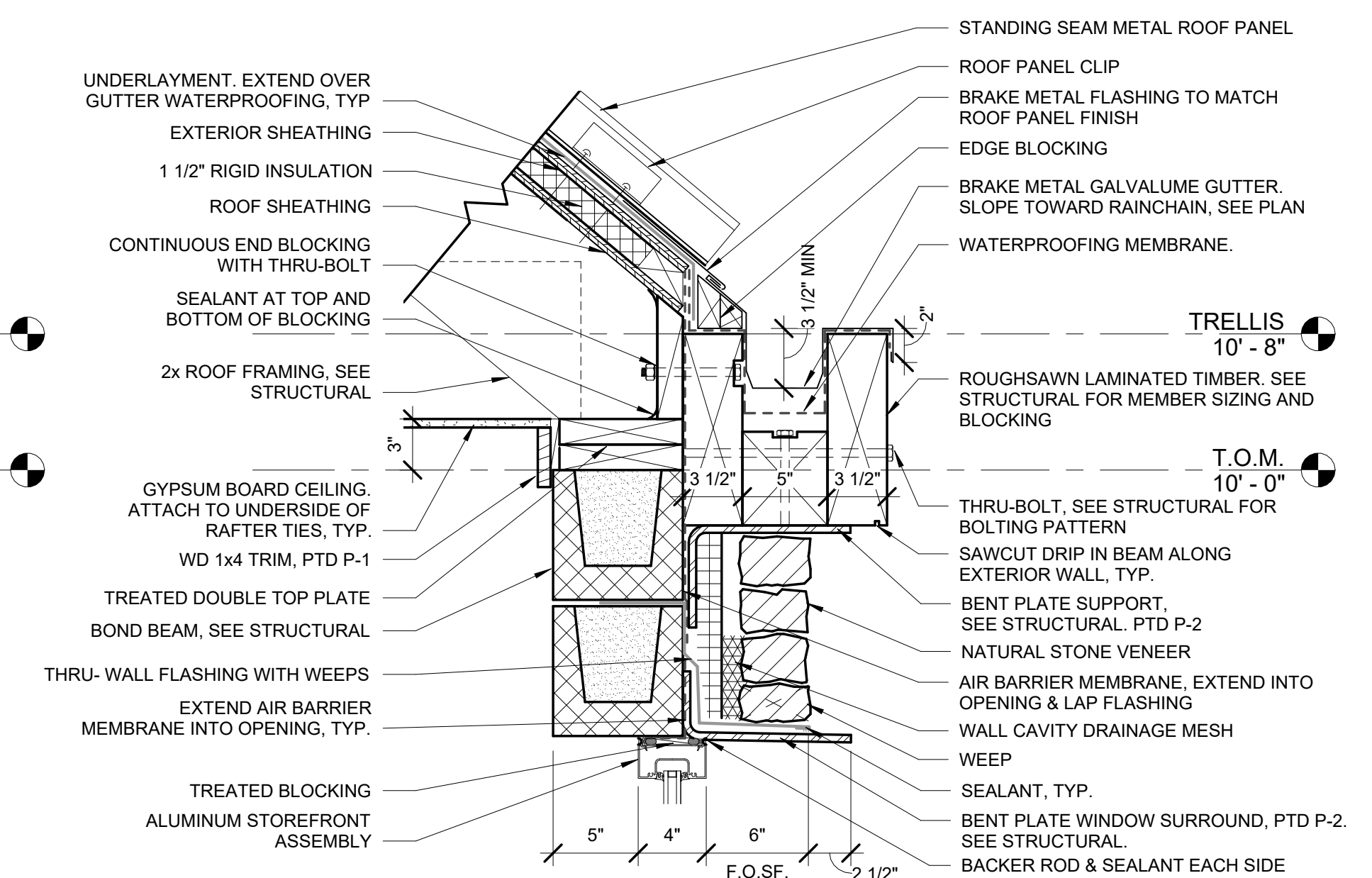
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TOILET BUILDING - SECTION DETAILS

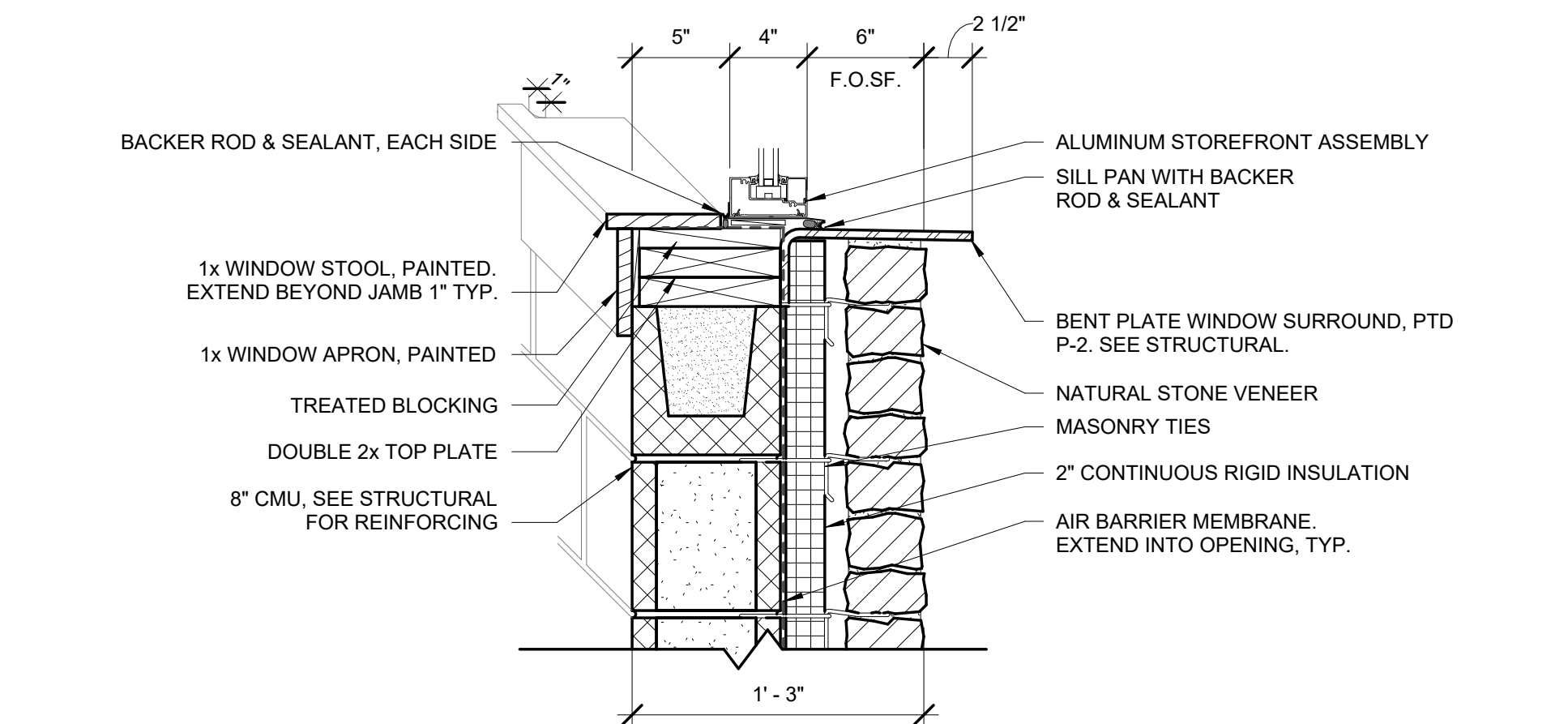
A114



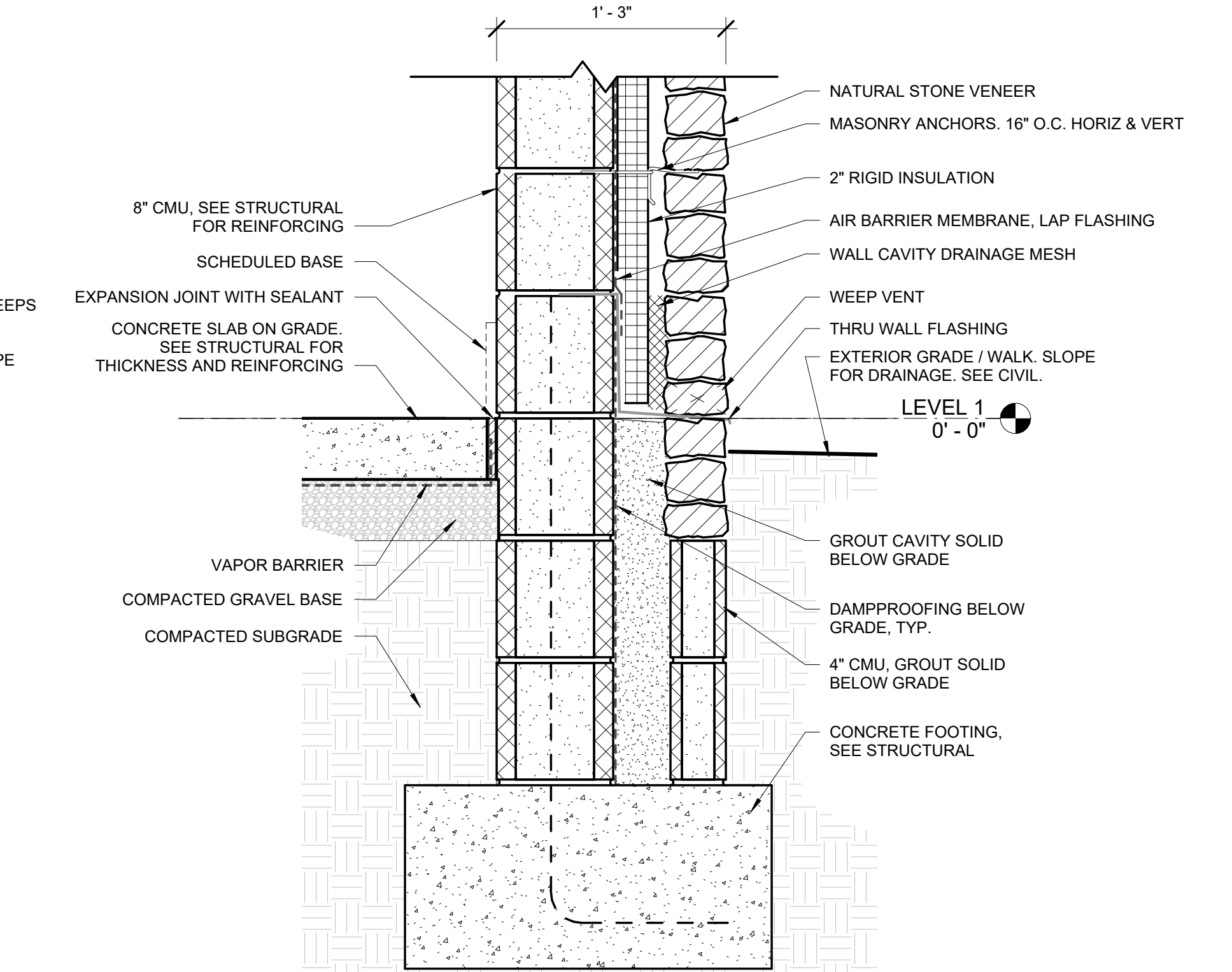
8 RAKE EAVE AT WOOD RAINSCREEN
A114 1 1/2" = 1'-0"



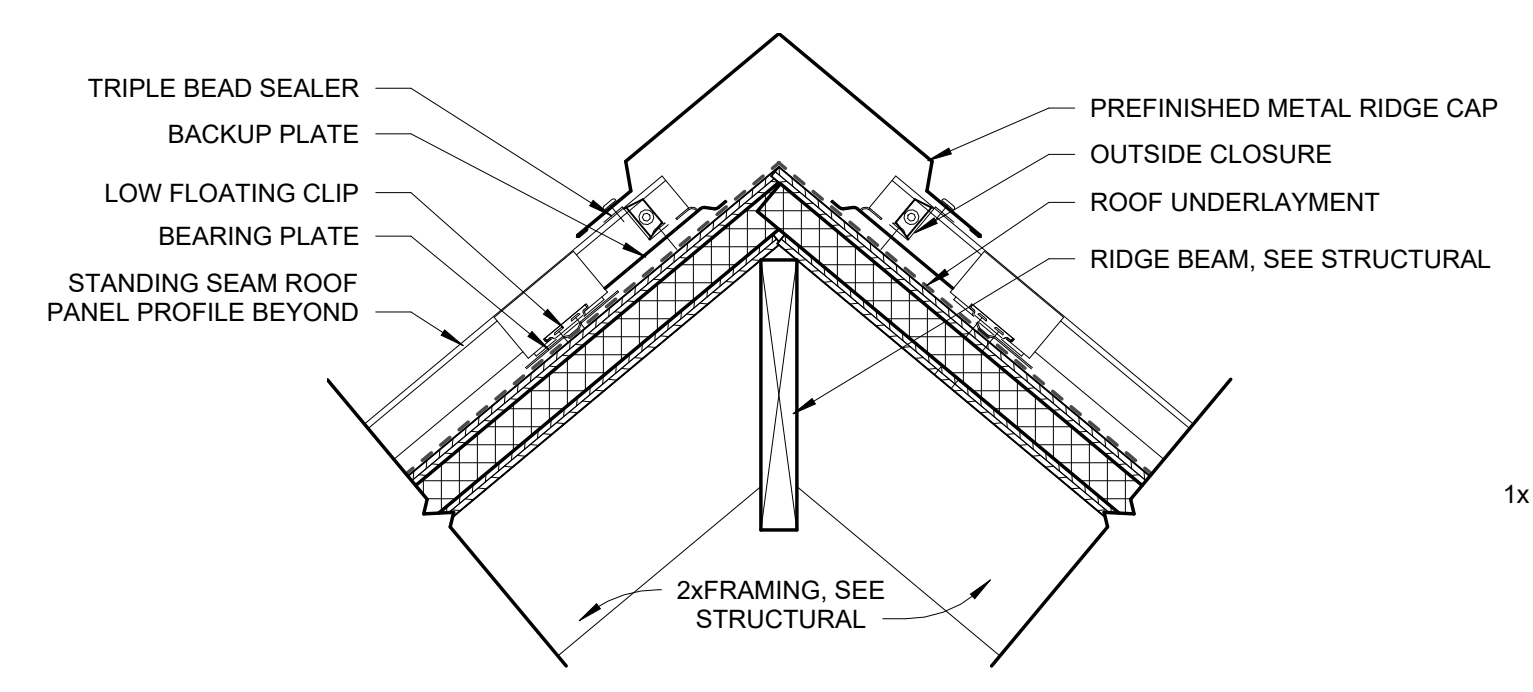
1 EAVE @ GUTTER BEAM
A114 1 1/2" = 1'-0"



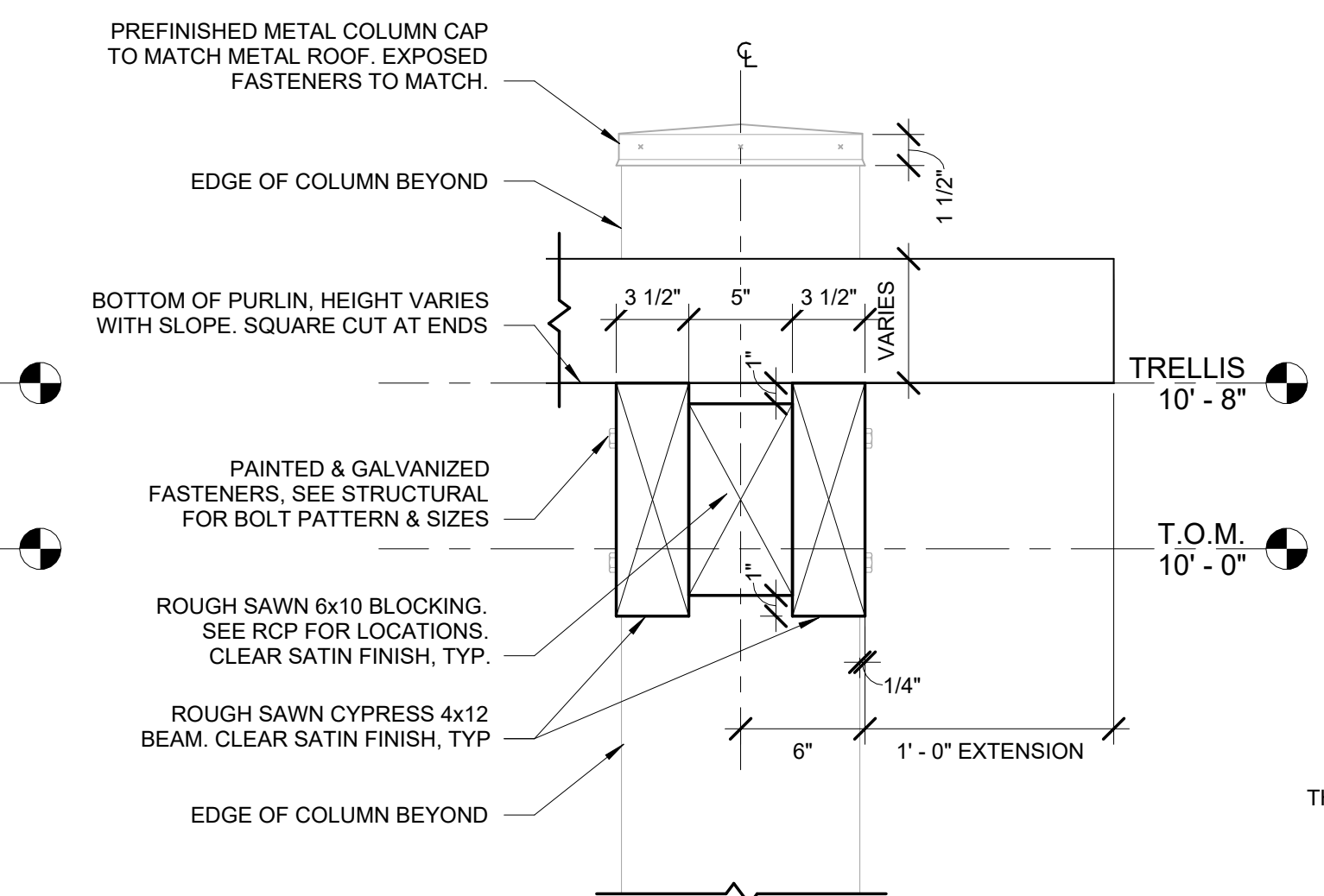
2 TYPICAL WINDOW SILL
A114 1 1/2" = 1'-0"



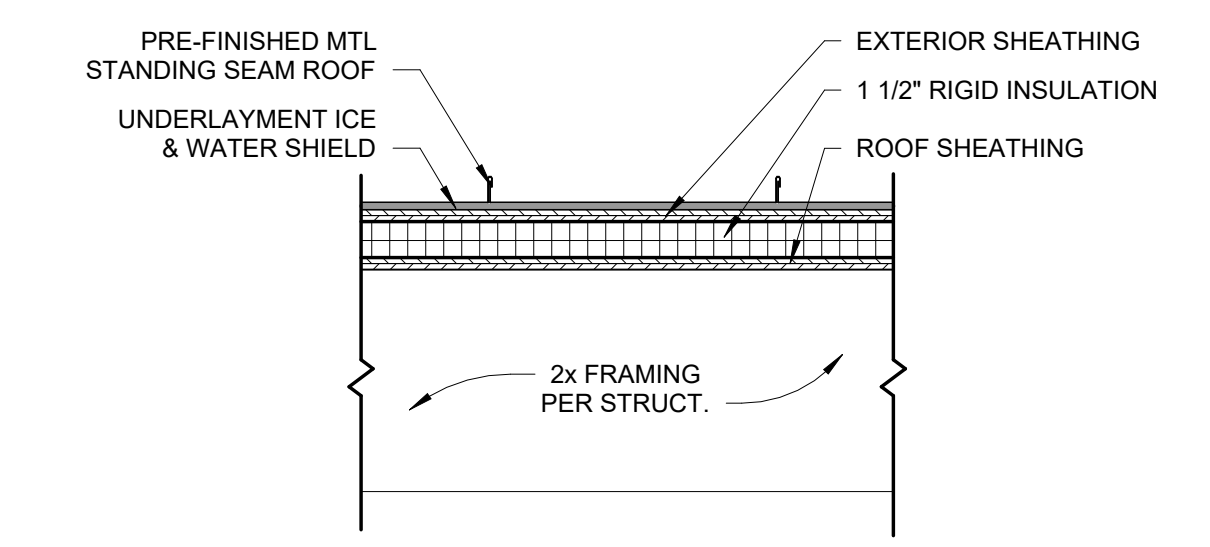
3 TYPICAL CMU WALL BASE
A114 1 1/2" = 1'-0"



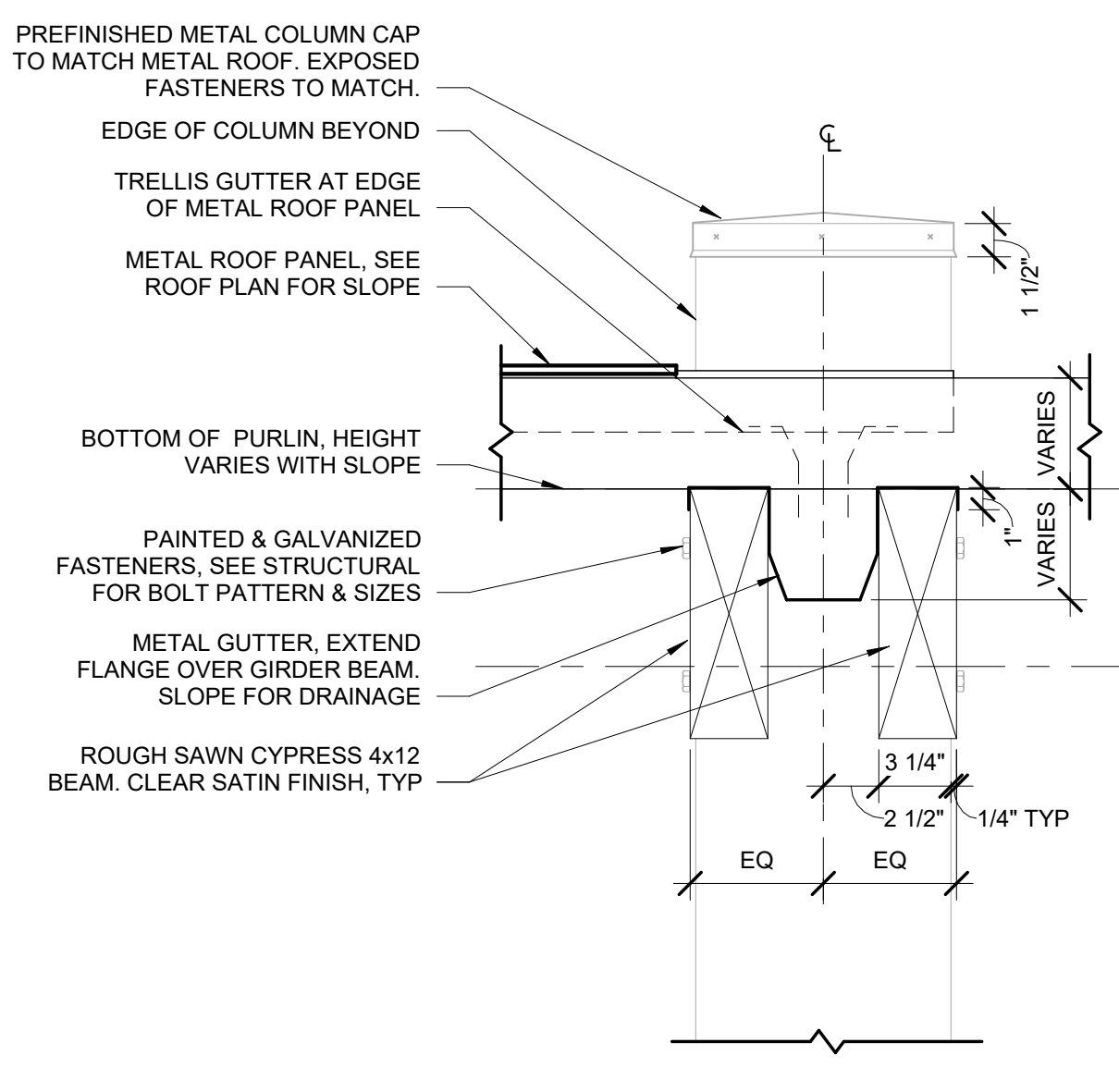
4 TYPICAL RIDGE
A114 1 1/2" = 1'-0"



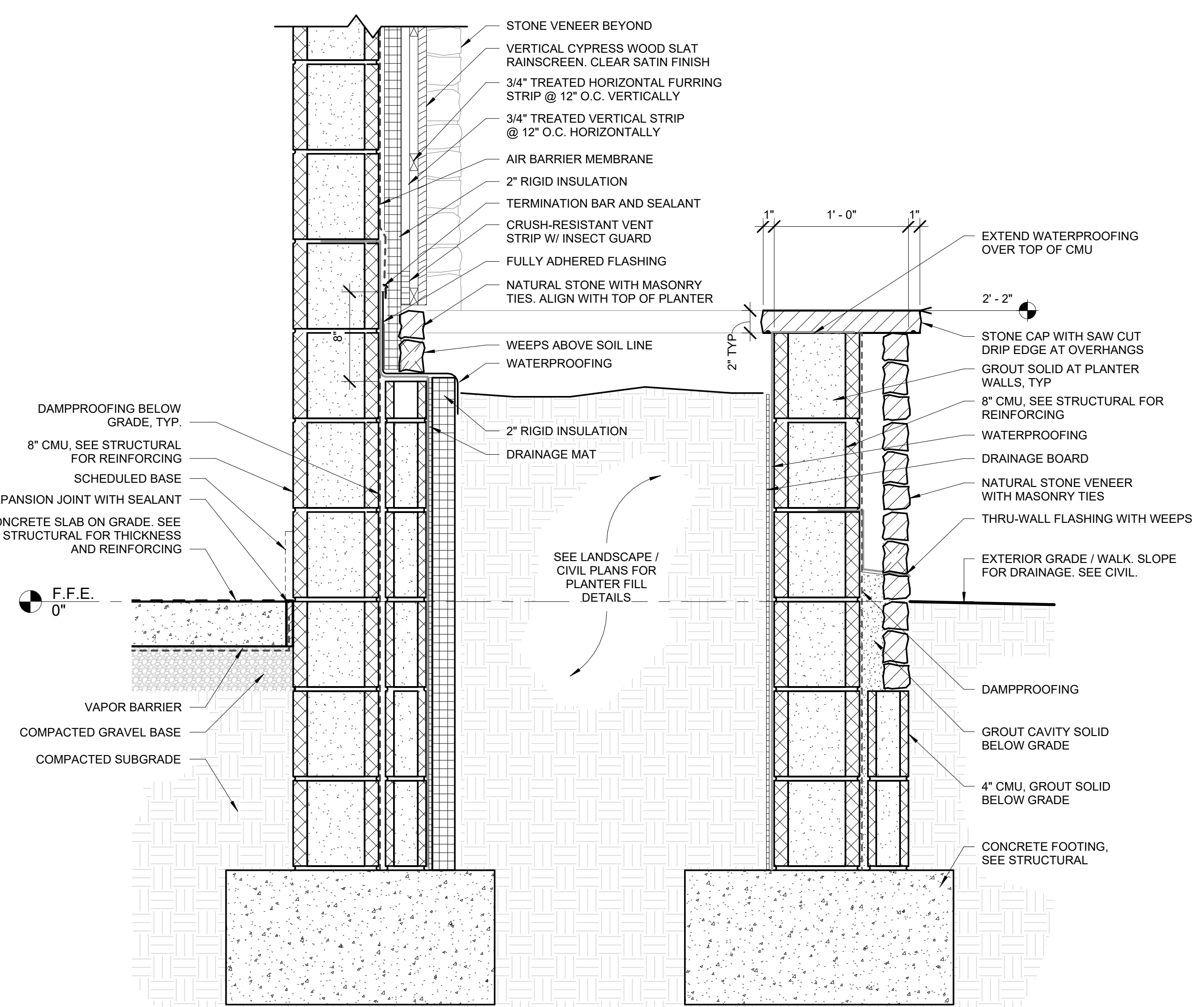
10 TRELLIS END BLOCKING
A114 1 1/2" = 1'-0"



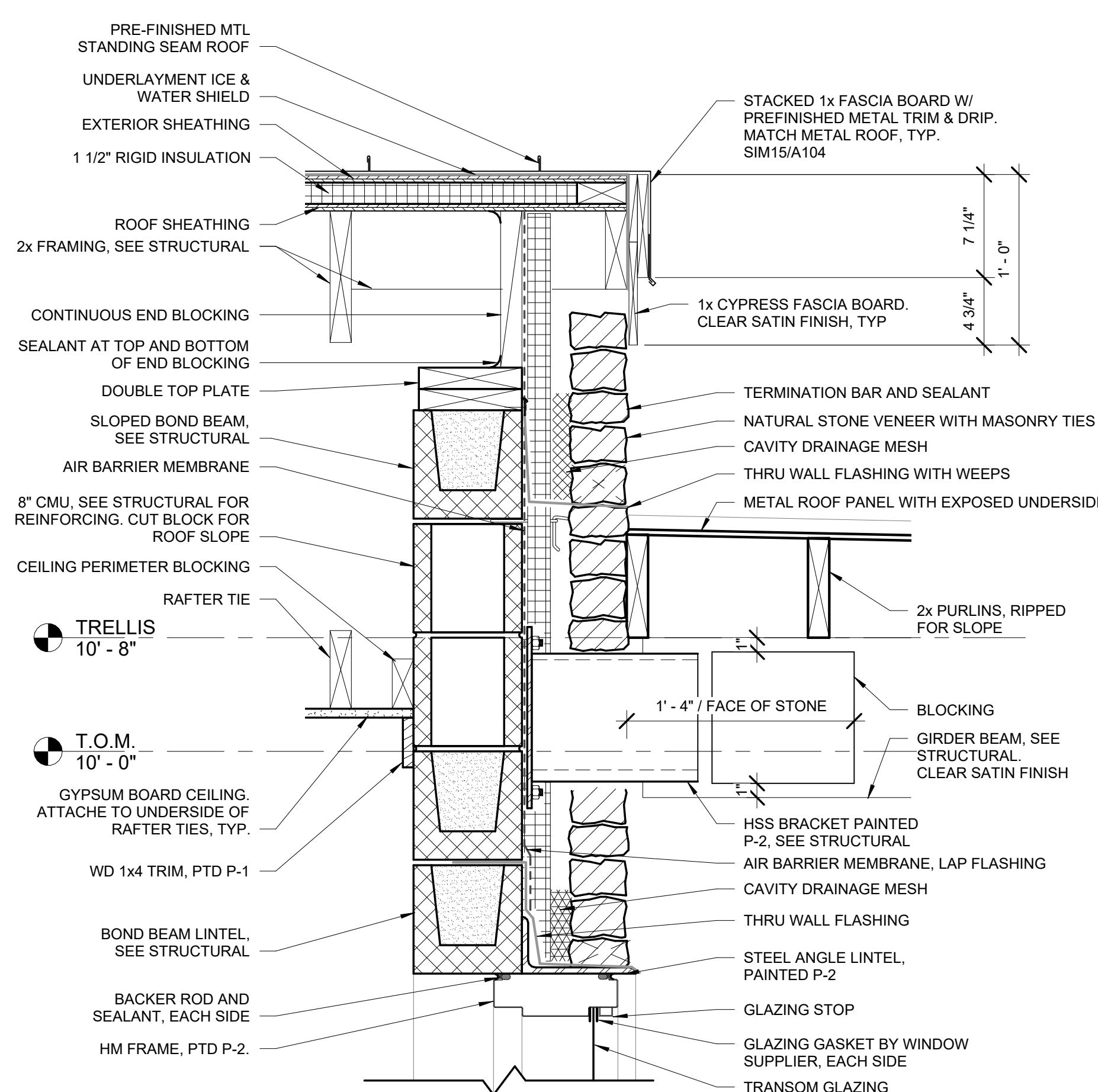
6 TYPICAL ROOF DETAIL
A114 1 1/2" = 1'-0"



5 GUTTER BEAM
A114 1 1/2" = 1'-0"

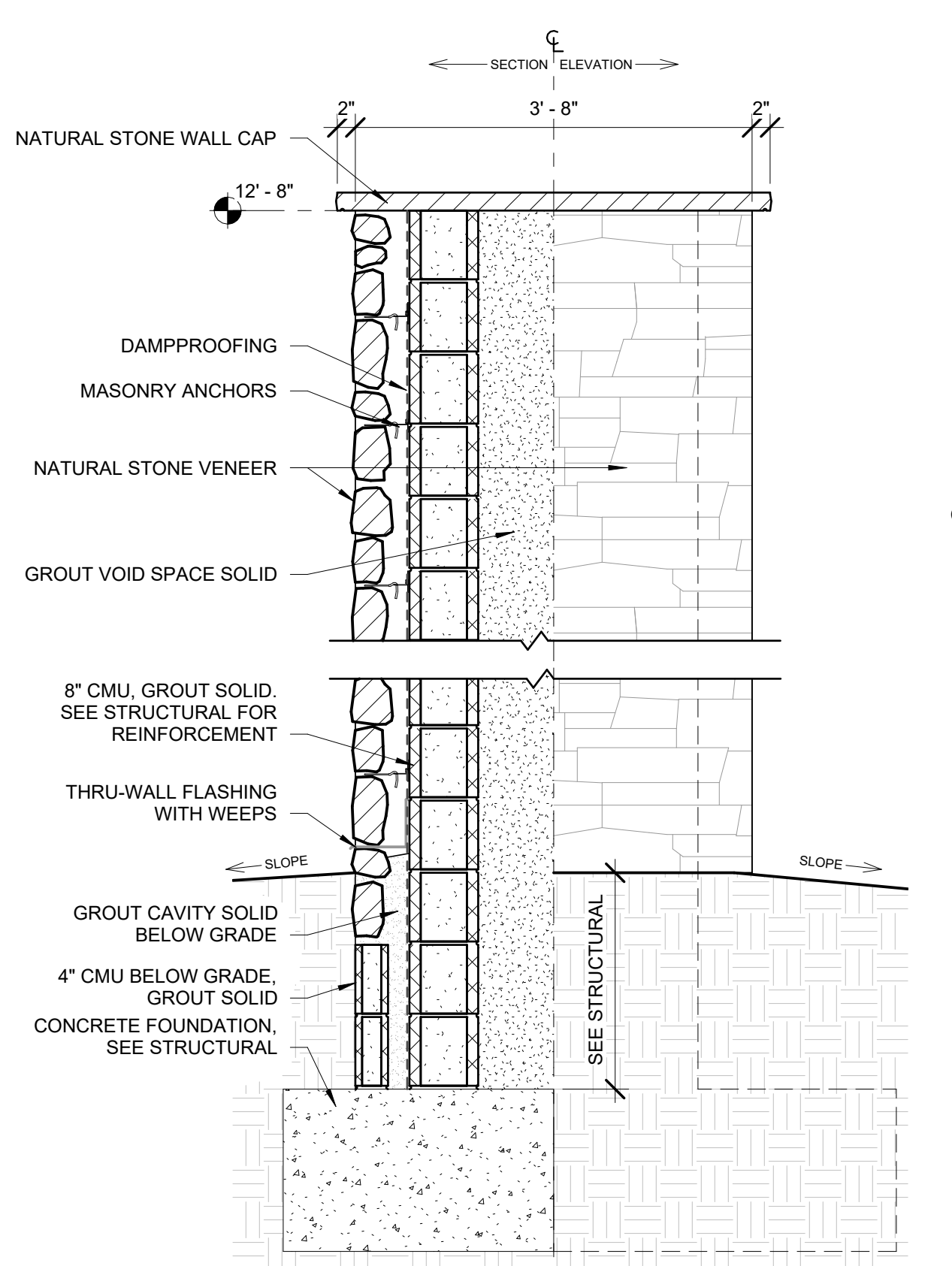


9 RAIN SCREEN AT PLANTER
A114 1 1/2" = 1'-0"

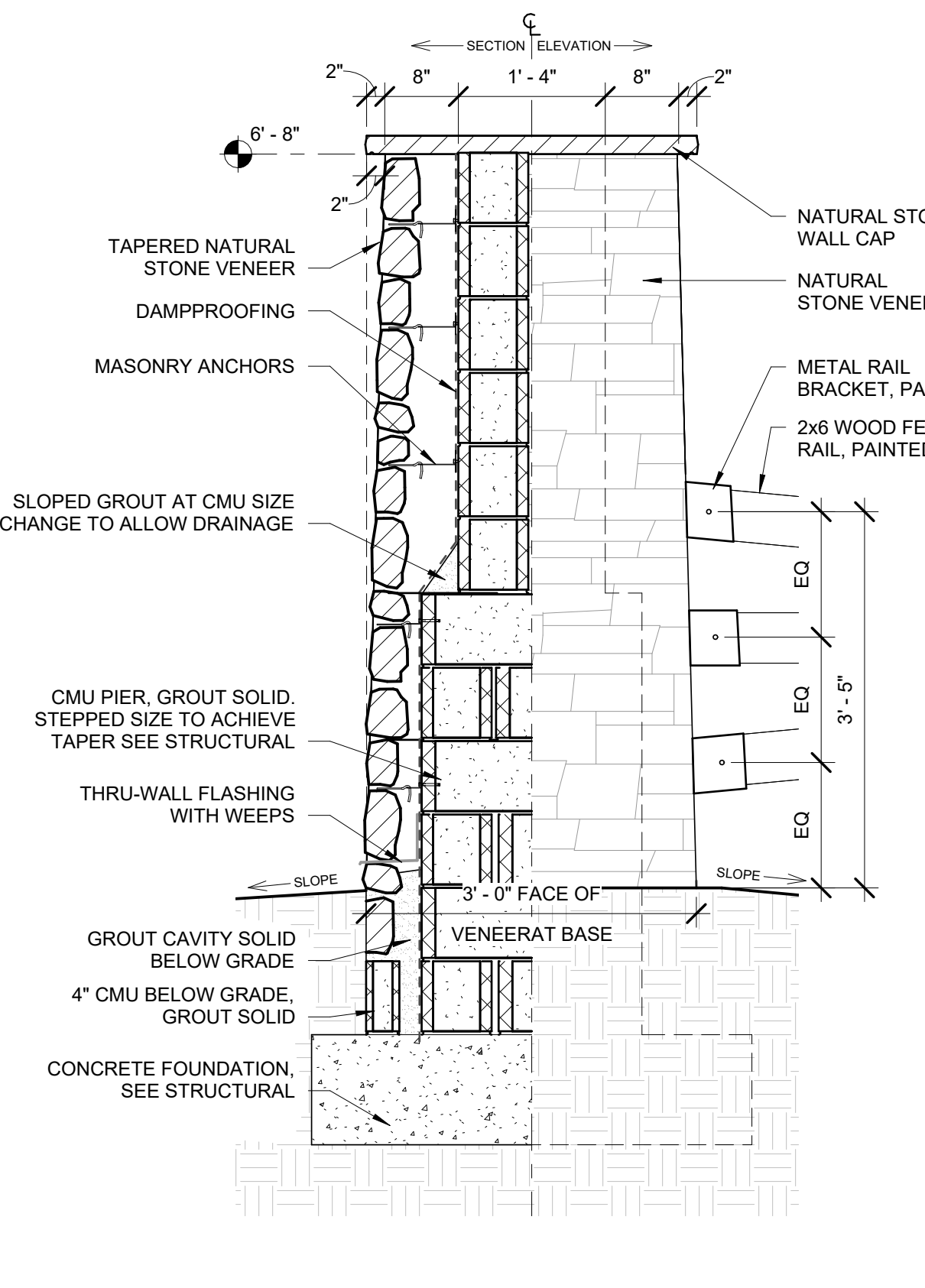


7 RAKE EAVE AT NATURAL STONE
A114 1 1/2" = 1'-0"

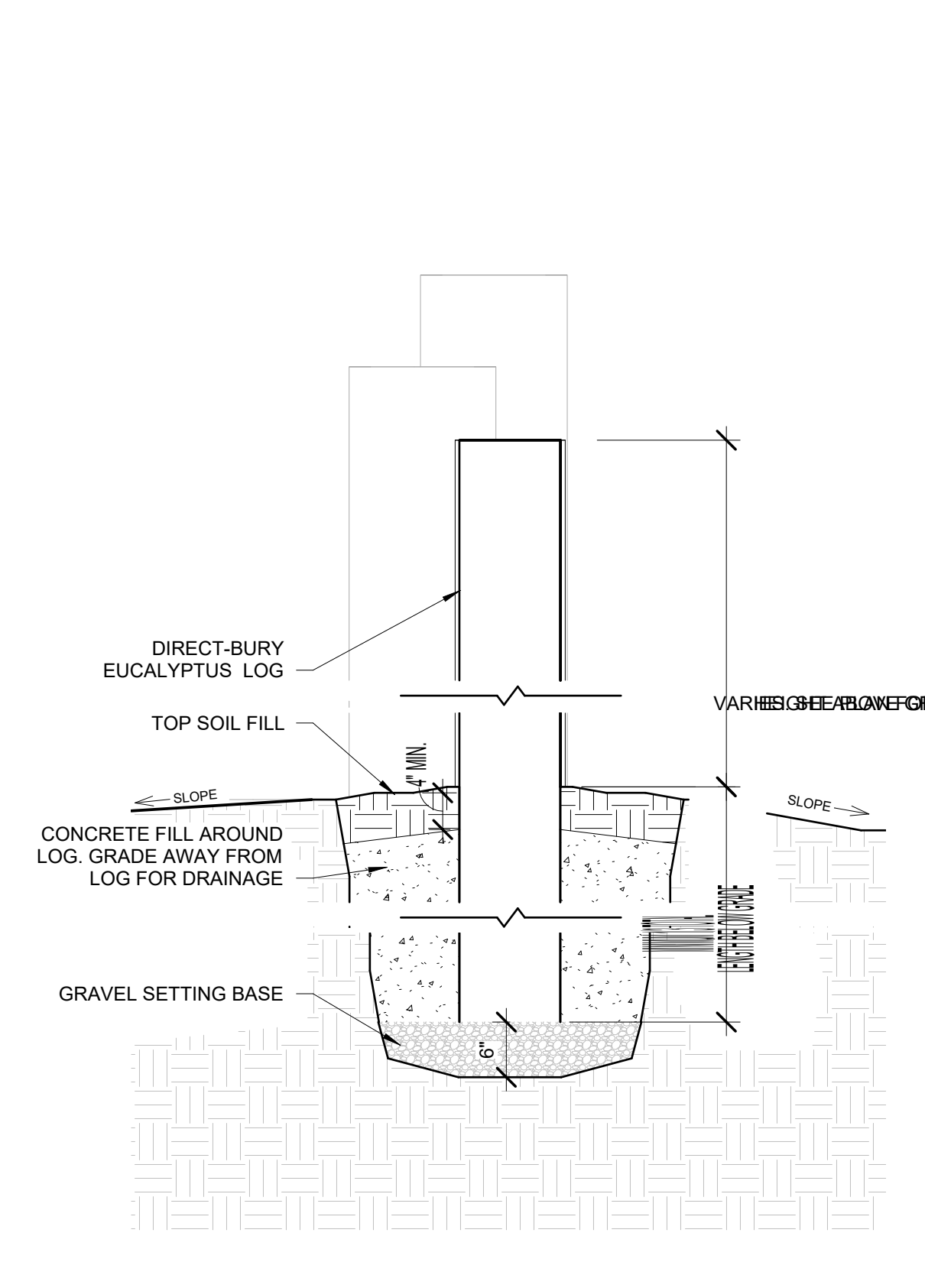
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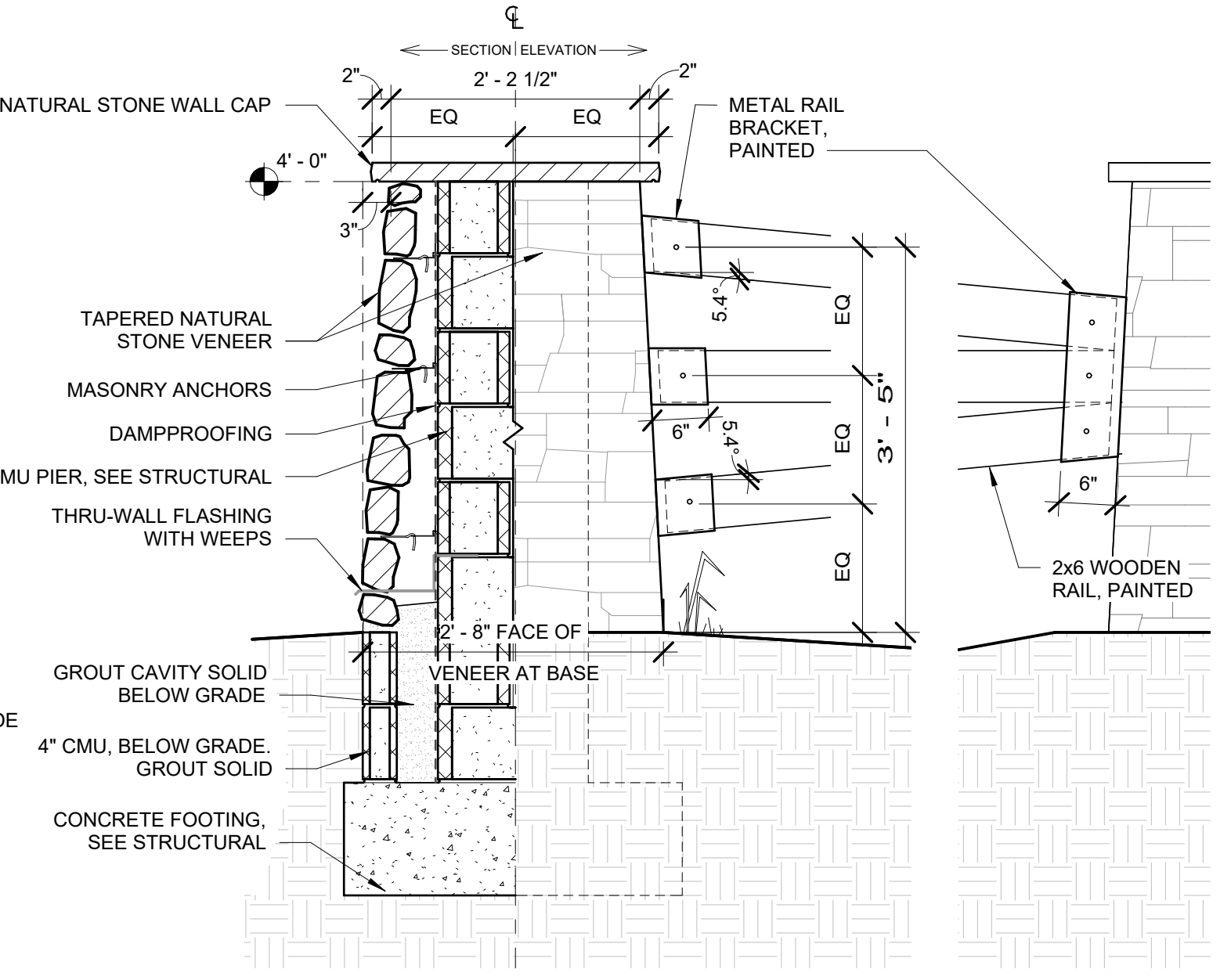
5 ENTRY PIER - TYPE 1
A120 3/4" = 1'-0"



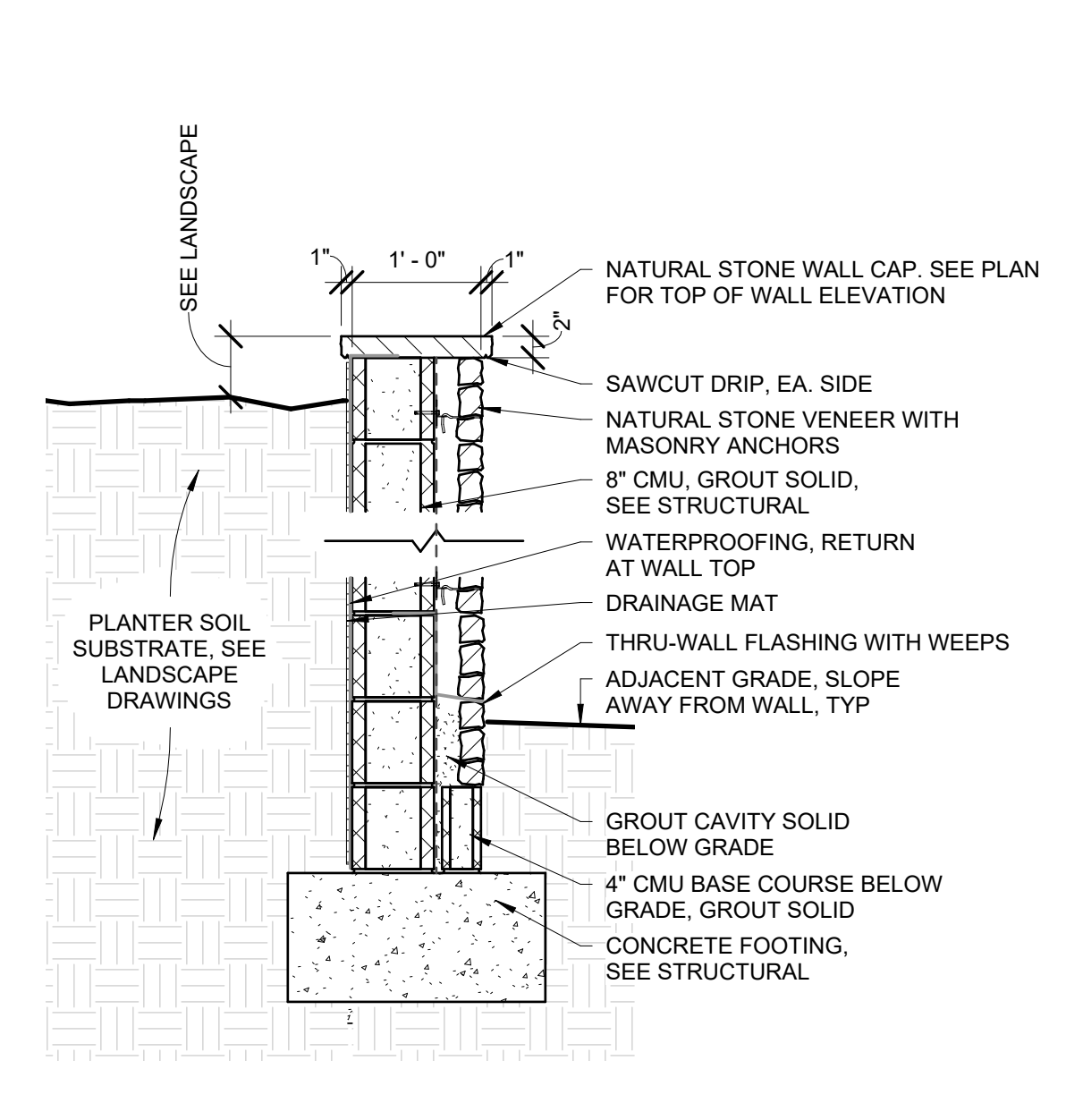
6 ENTRY PIER - TYPE 2
A120 3/4" = 1'-0"



10 BURIED LOG WALL
A120 3/4" = 1'-0"

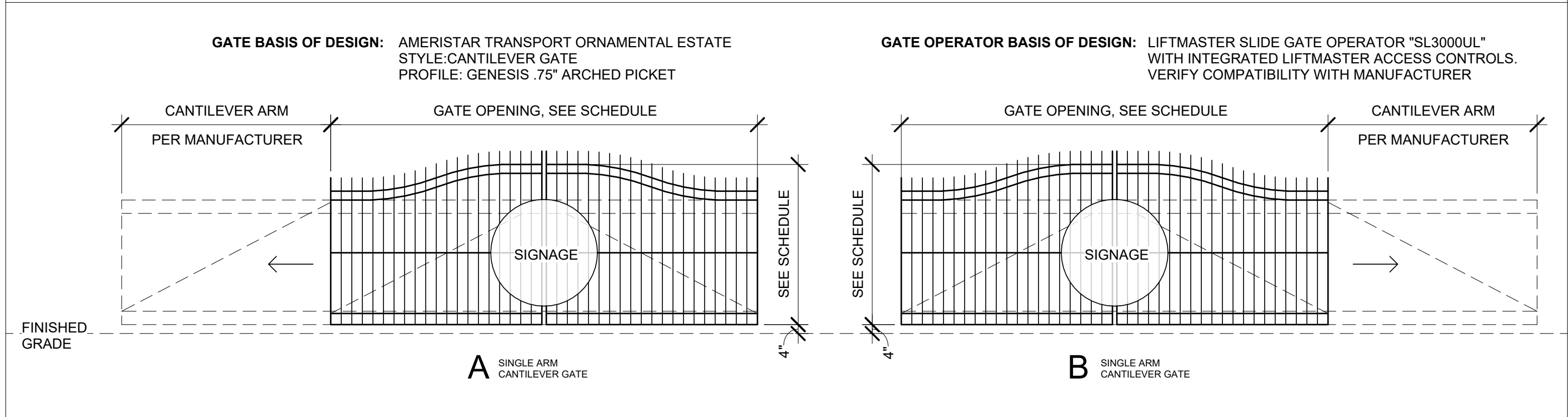


3 TYPICAL FENCE PIER
A120 3/4" = 1'-0"

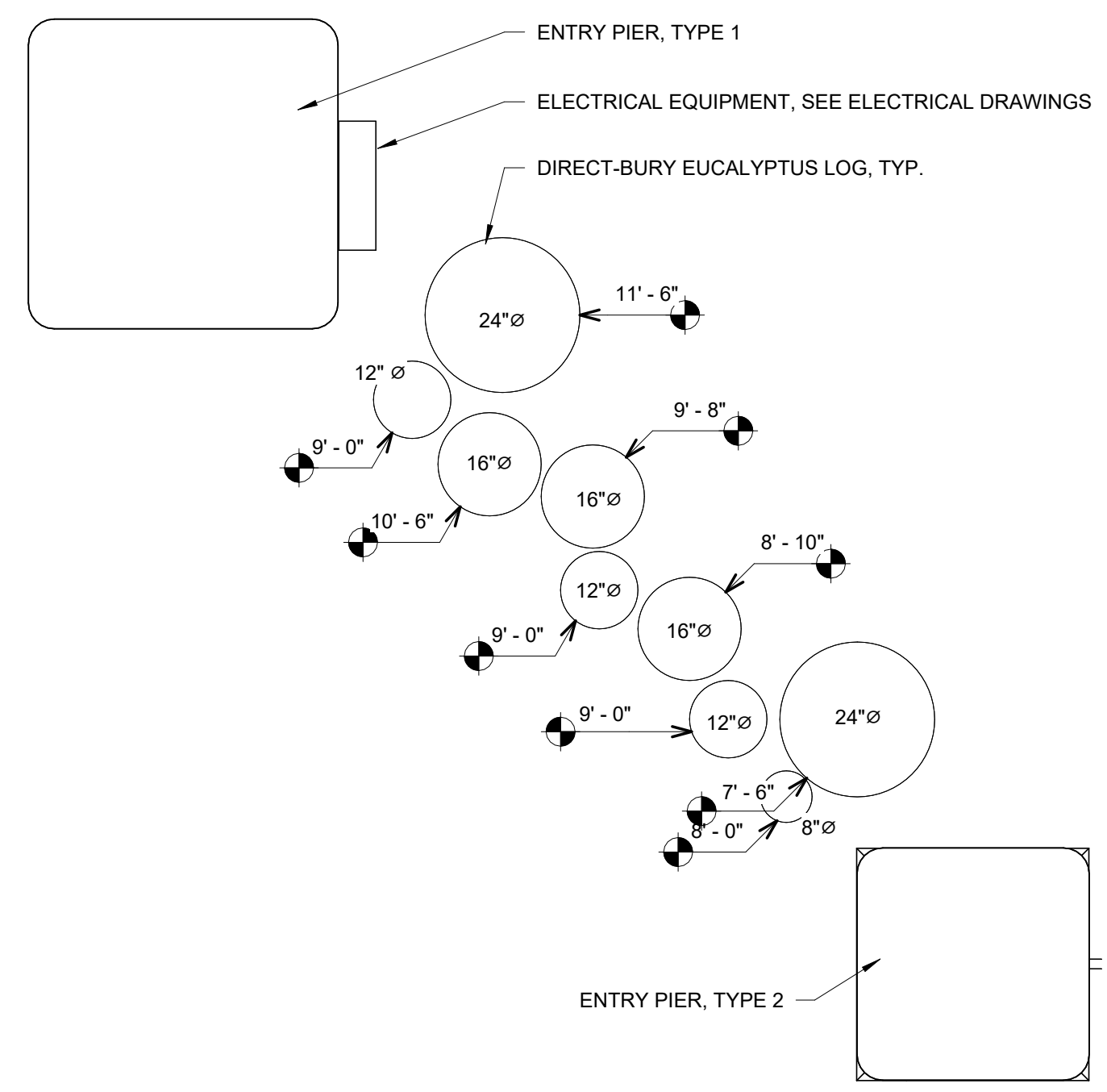


7 PLANTER WALL
A120 3/4" = 1'-0"

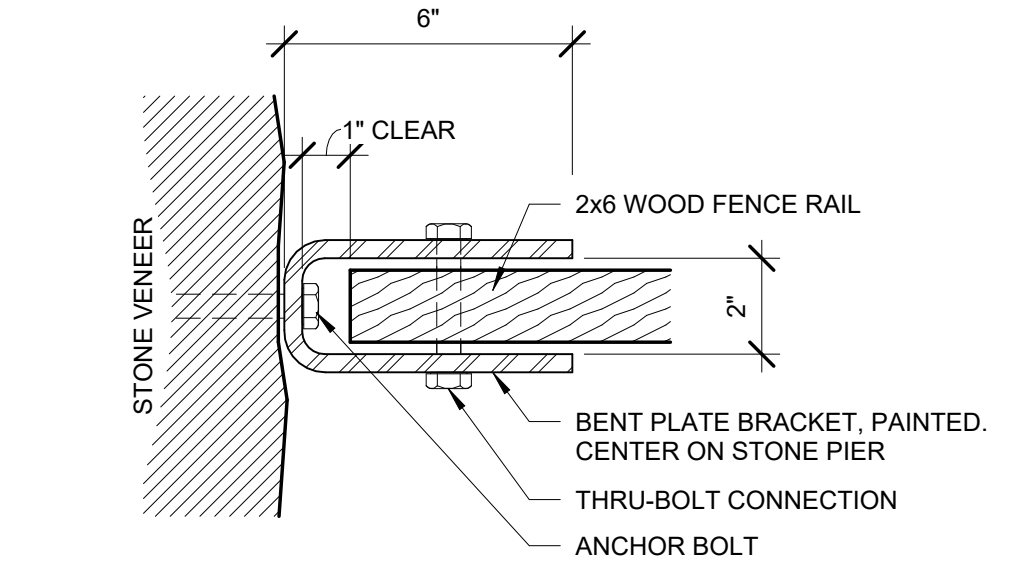
GATE LEGEND



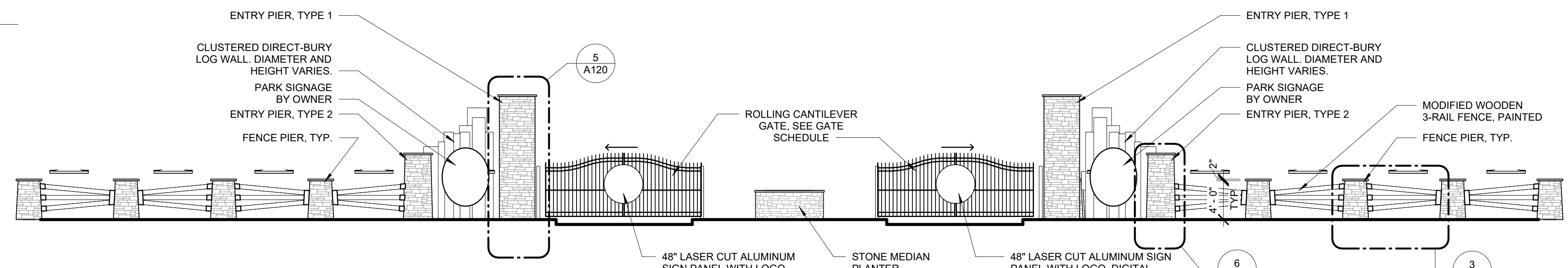
Gate Schedule - ENTRY						
ROOM NUMBER	DOOR NUMBER	WIDTH	HEIGHT	DOOR TYPE	FRAME MATL	REMARKS
F.F.E.	G1	16' - 0"	6' - 0"	B	ALUM STEEL, PAINTED	COORDINATE STRUCTURAL WITH MANUFACTURER DRAWINGS
	G2	16' - 0"	6' - 0"	A	ALUM STEEL, PAINTED	COORDINATE STRUCTURAL WITH MANUFACTURER DRAWINGS



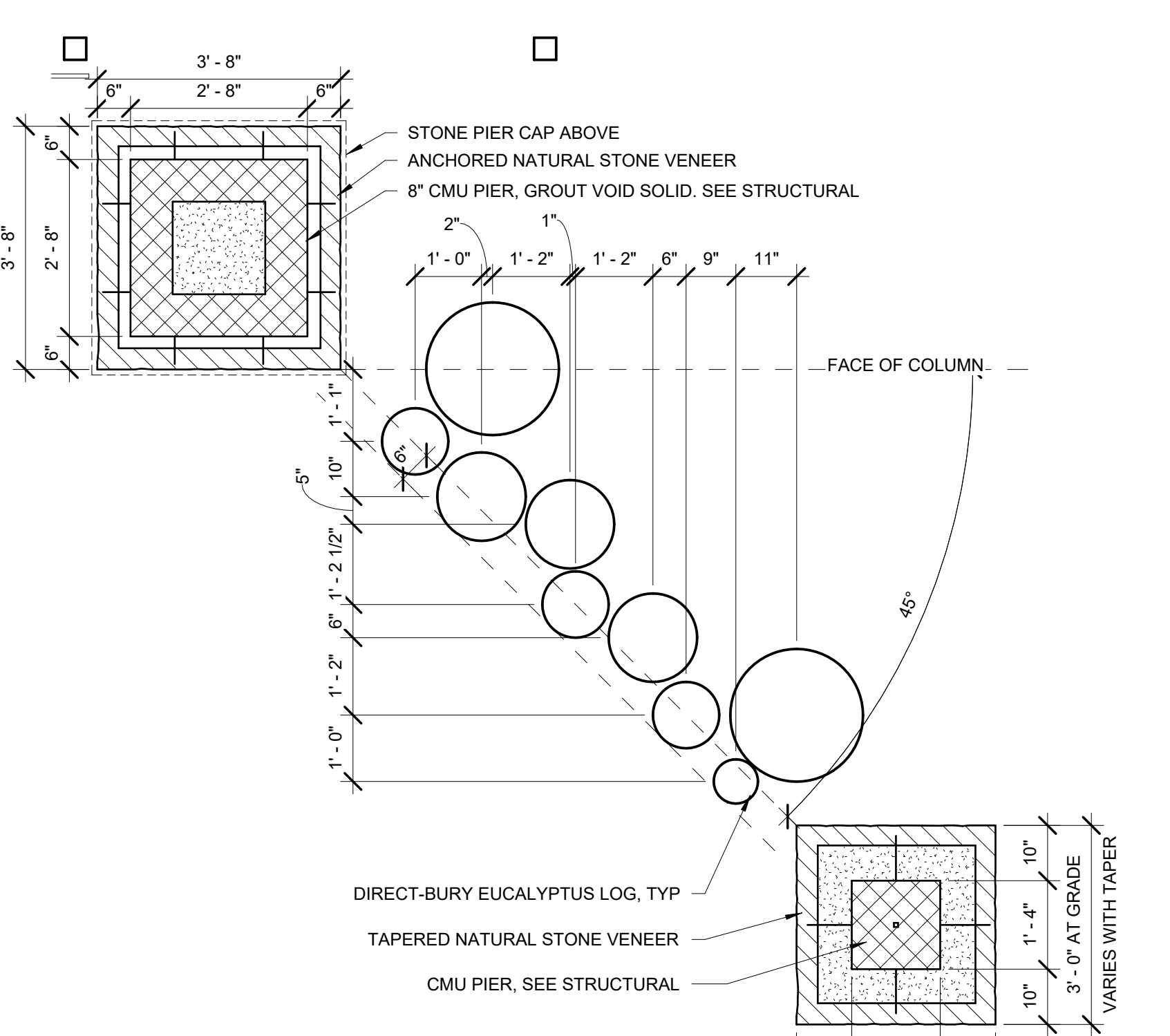
11 WOOD PILE SIZE & ELEVATION
A120 1/2" = 1'-0"



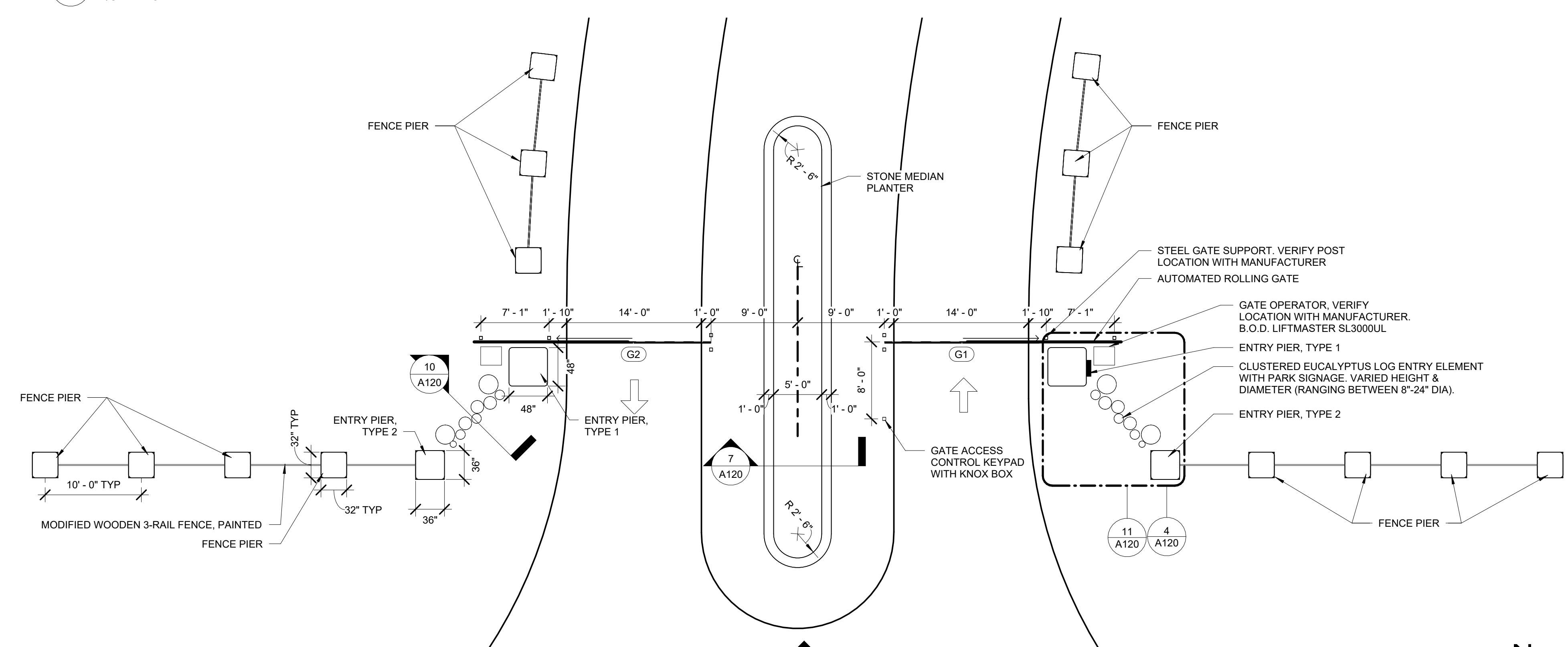
9 FENCE BRACKET
A120 3" = 1'-0"



2 ENTRY GATE - ELEVATION
A120 1/8" = 1'-0"



4 WOOD PILE LAYOUT
A120 1/2" = 1'-0"

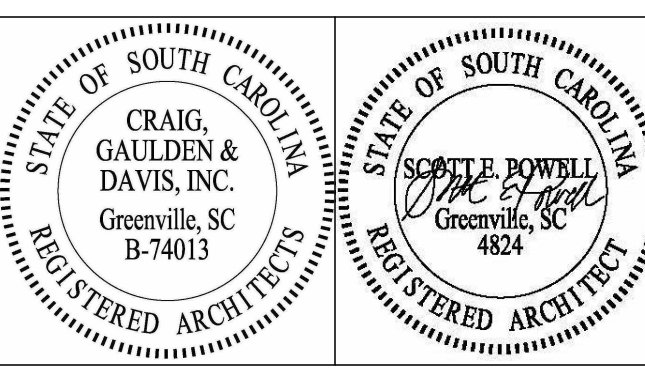


1 ENTRY GATE
A120 1/8" = 1'-0"

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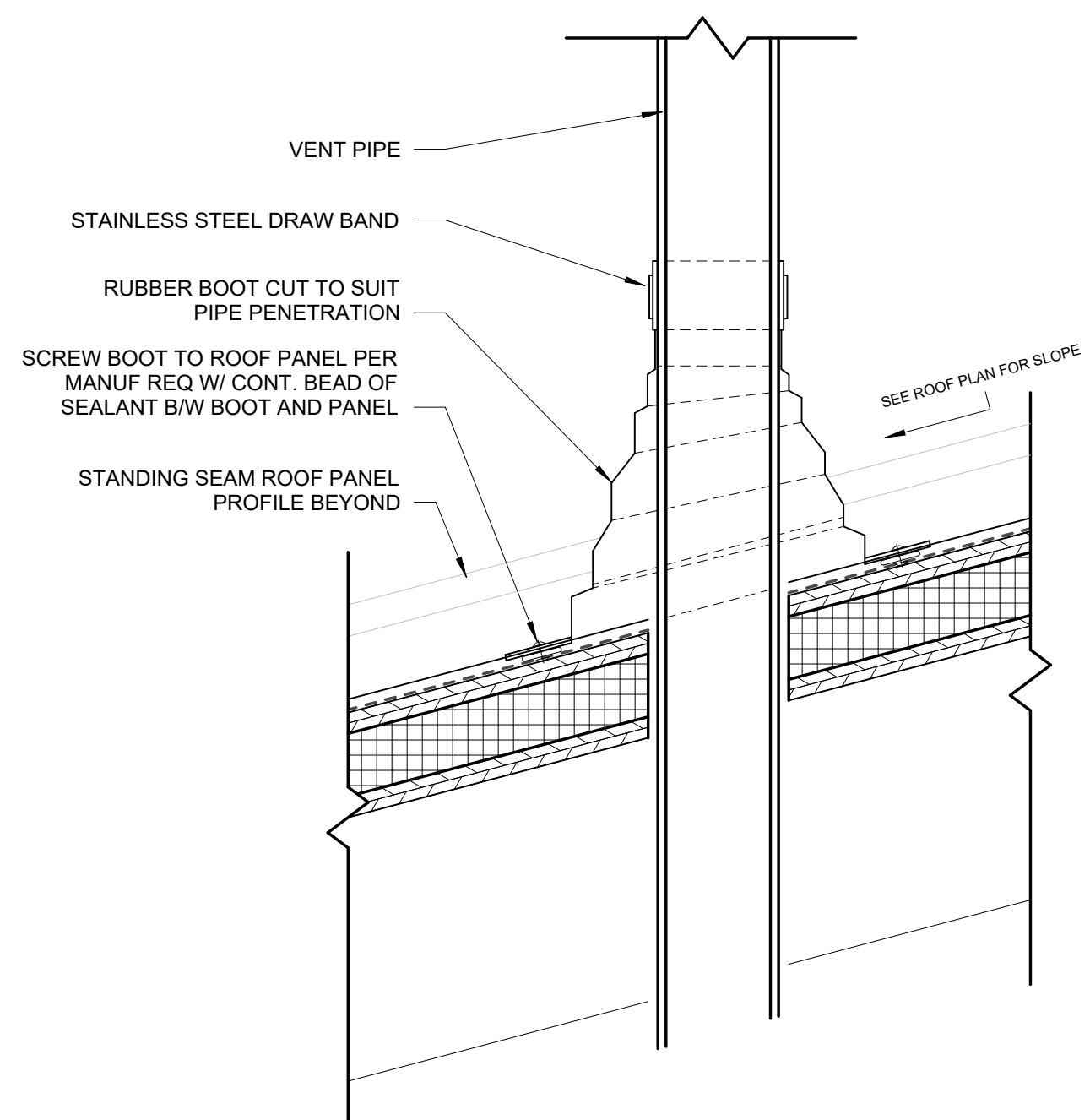
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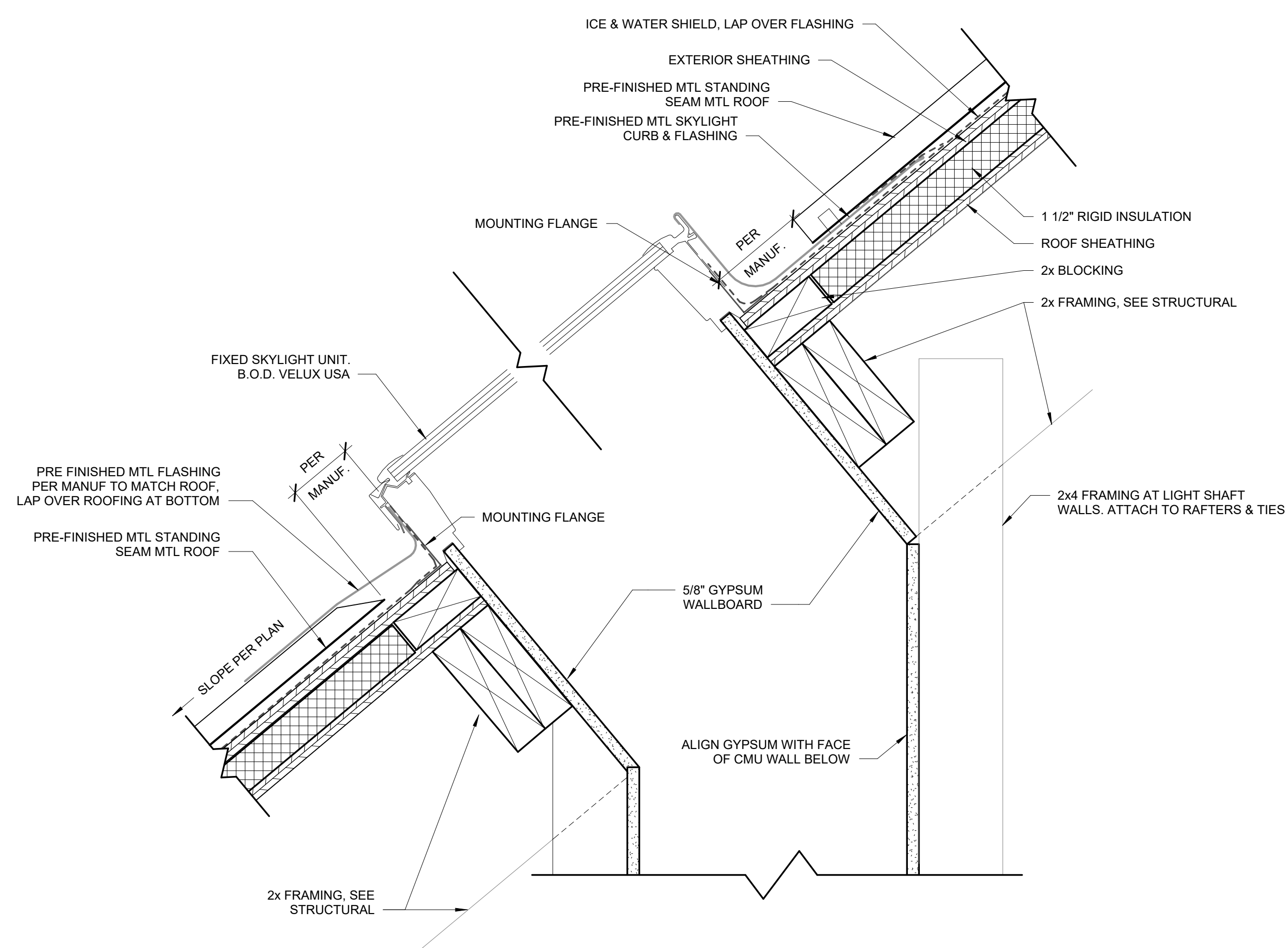
ENTRY GATE

A120

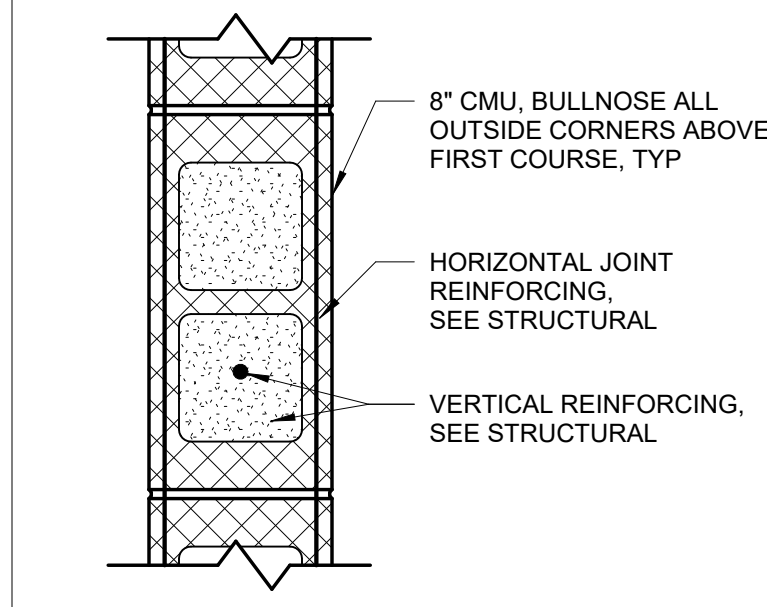
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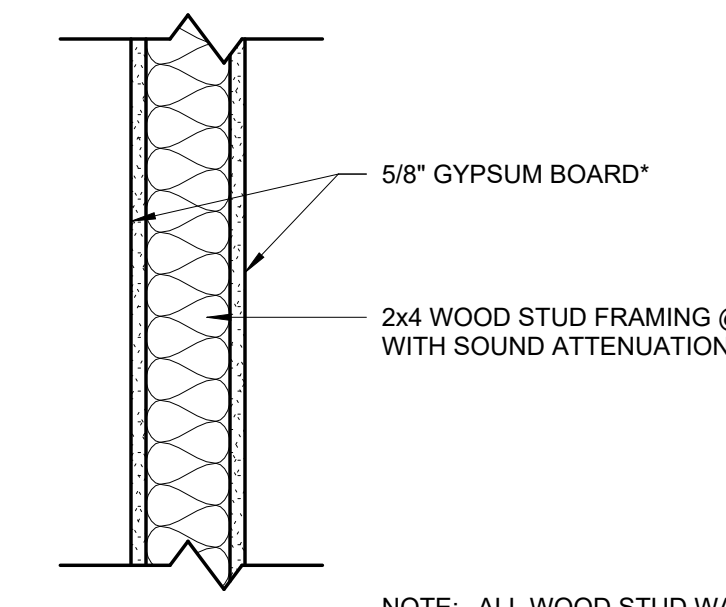
3 TYPICAL VENT PIPE FLASHING
A201 3" = 1'-0"



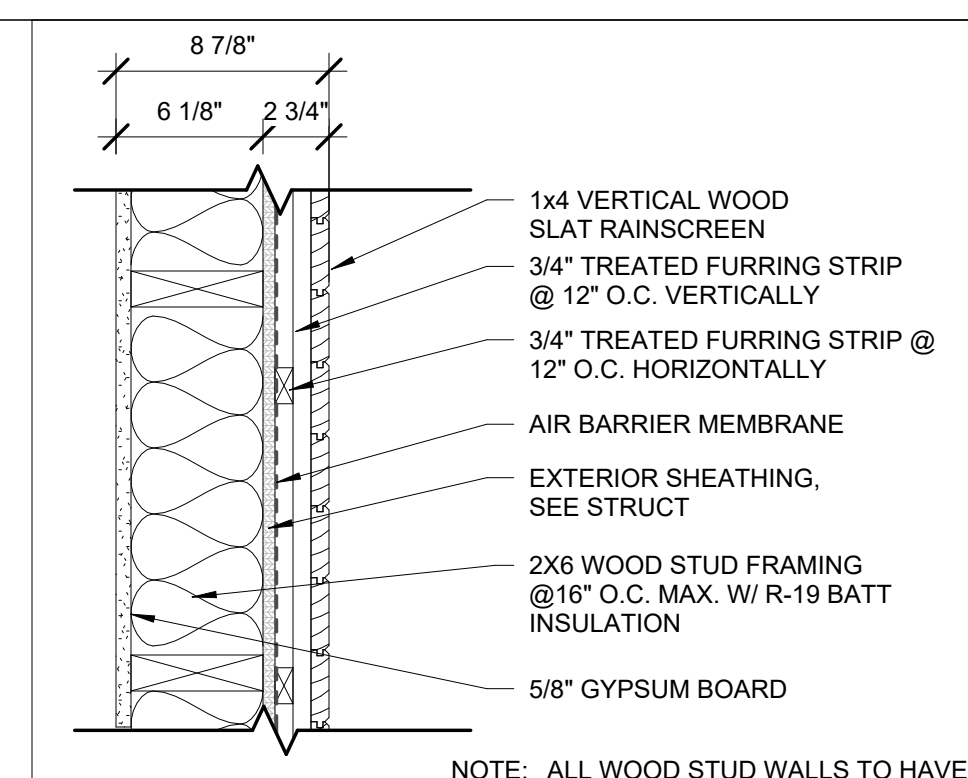
4 TYPICAL SKYLIGHT
A201 3" = 1'-0"



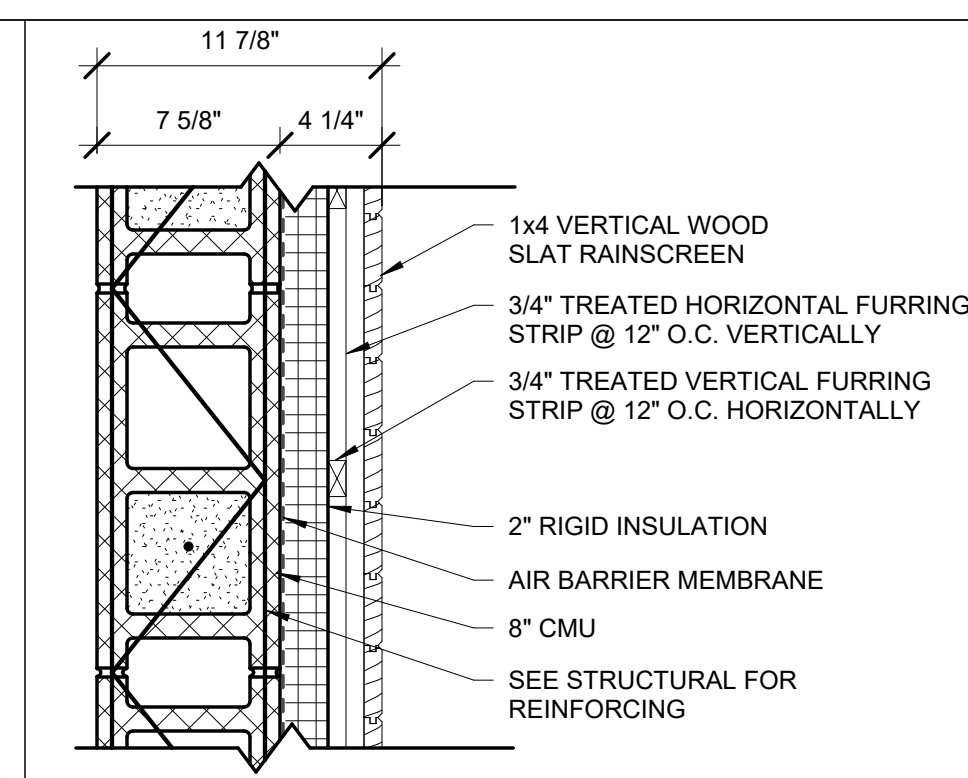
M8 WALL TYPE PLAN 1 1/2" = 1' 0"



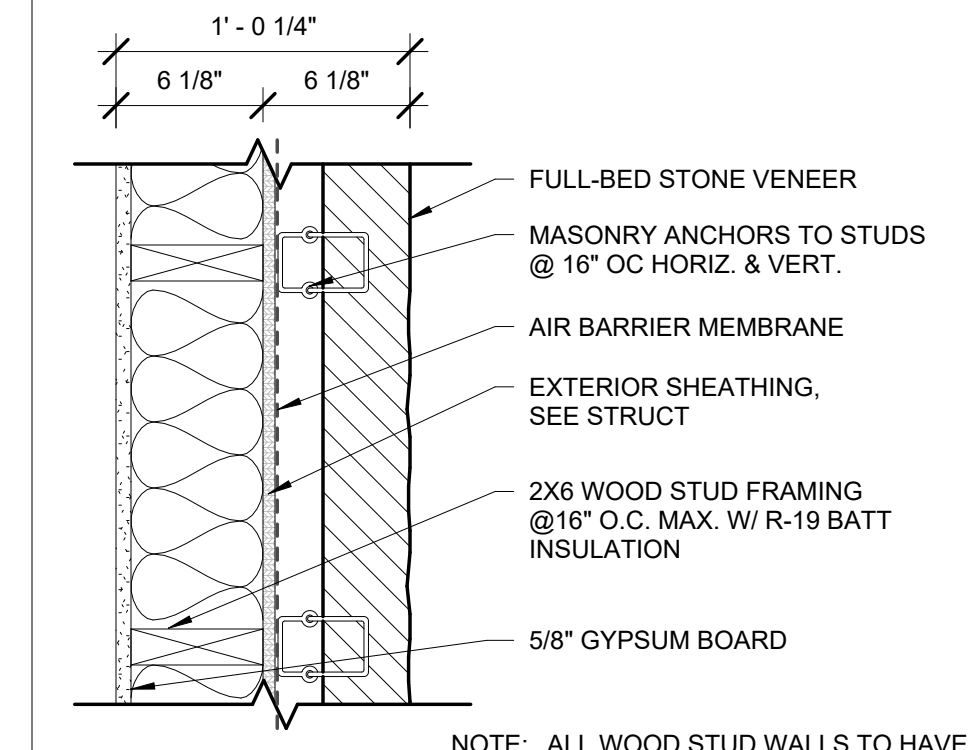
GW4G WALL TYPE PLAN 1 1/2" = 1' 0"



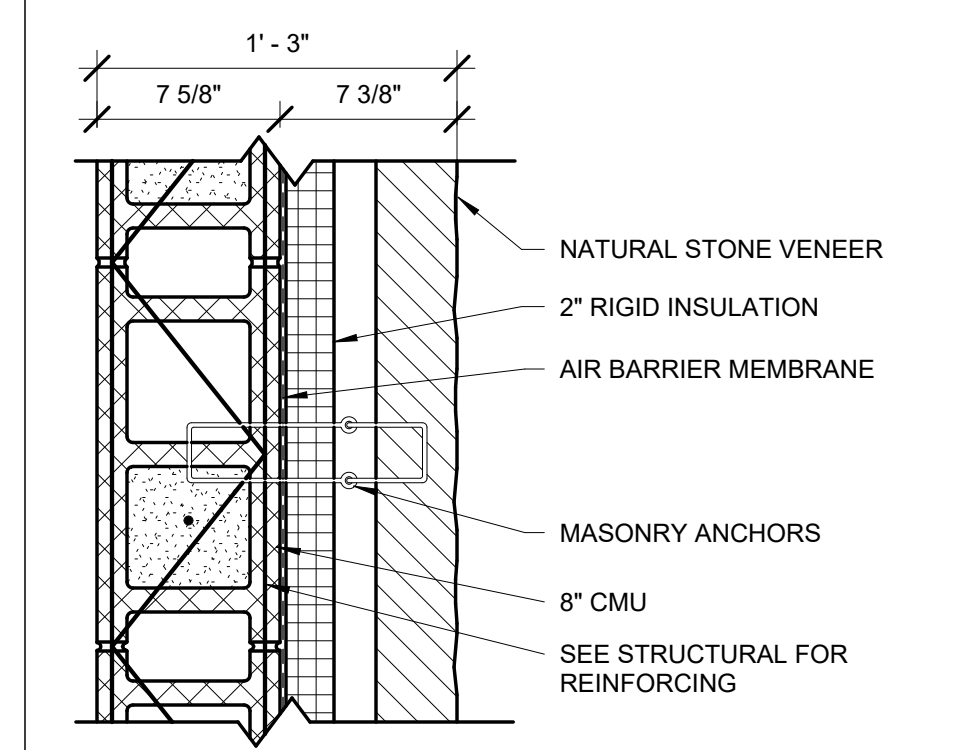
W1W6 - 2x6 WOOD STUD WALL WITH WOODEN RAINSCREEN PLAN 1 1/2" = 1' 0"



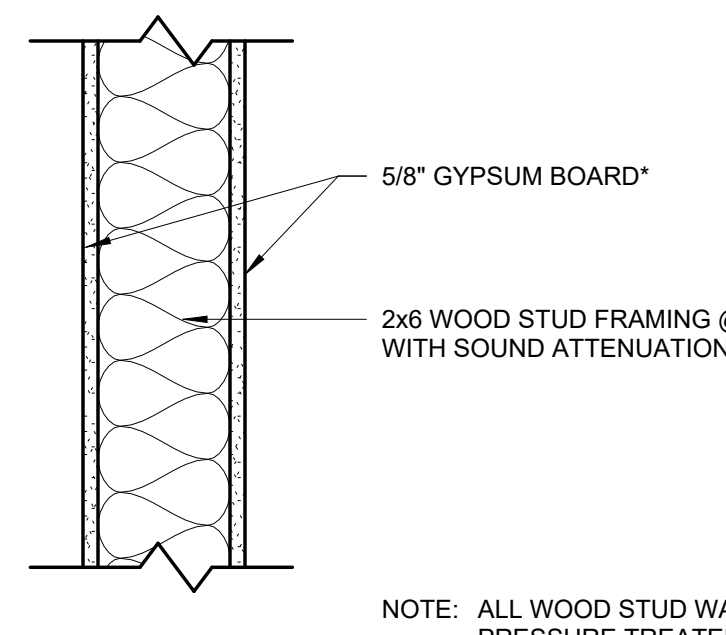
W1M8 - CMU WALL WITH WOODEN RAINSCREEN PLAN 1 1/2" = 1' 0"



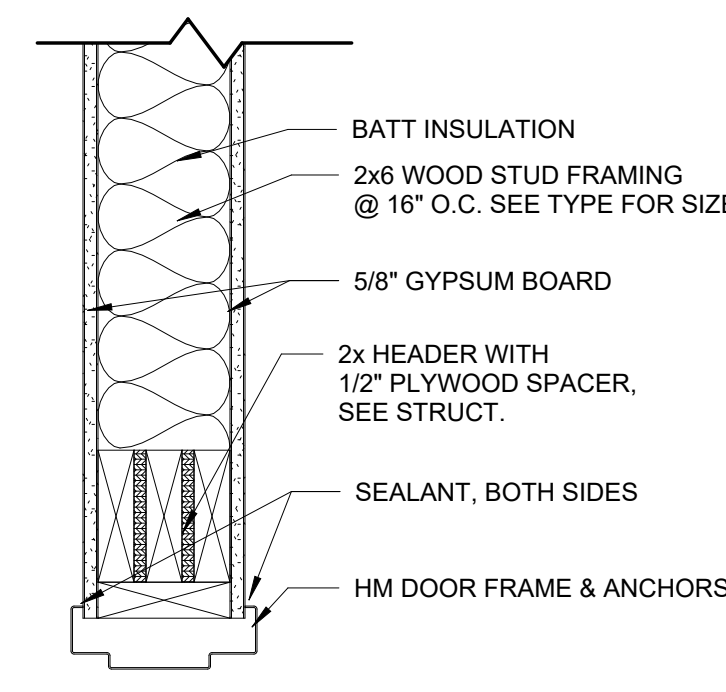
S1W6 - 2x6 WOOD STUD WALL WITH STONE VENEER PLAN 1 1/2" = 1' 0"



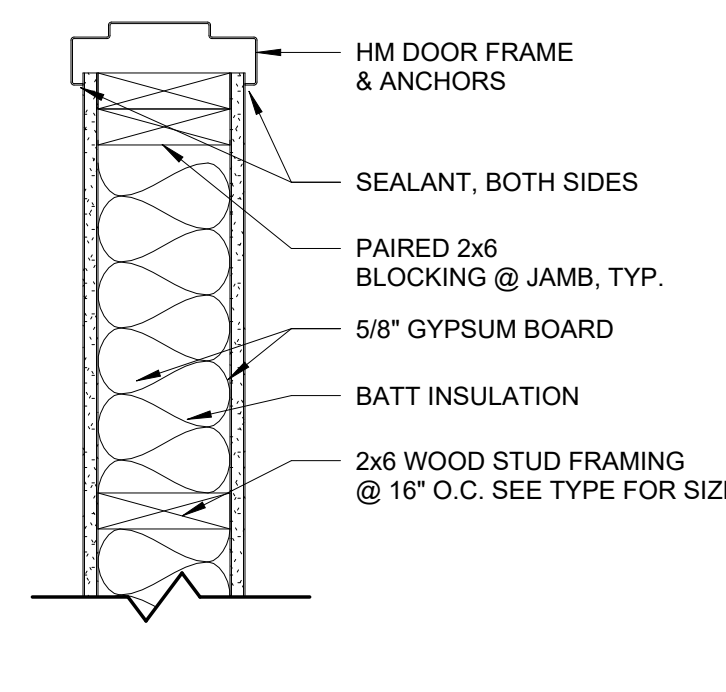
ST1M8 - CMU WALL WITH NATURAL STONE VENEER PLAN 1 1/2" = 1' 0"



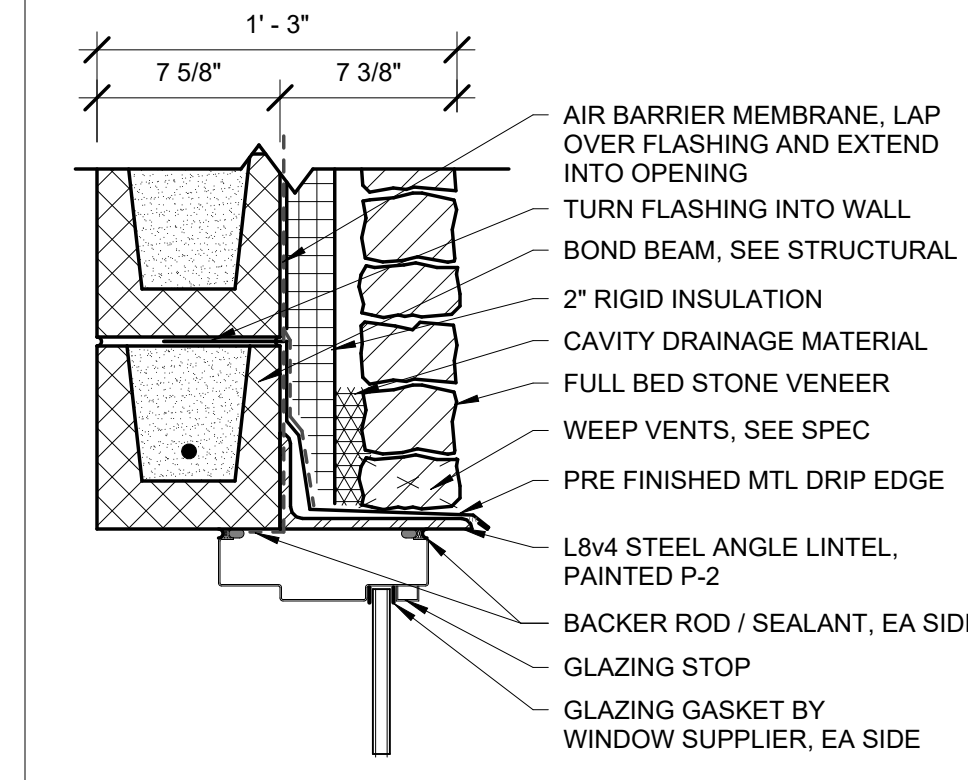
GW6G WALL TYPE PLAN 1 1/2" = 1' 0"



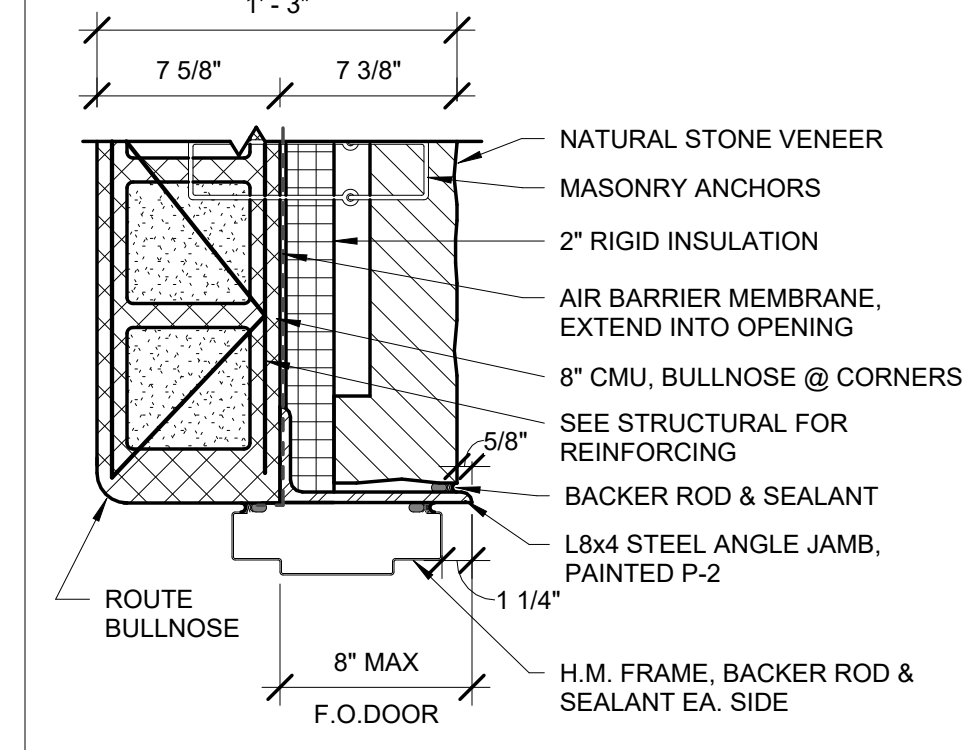
GW6GH WALL TYPE - HEAD 1 1/2" = 1' 0"



GW6GJ WALL TYPE - JAMB 1 1/2" = 1' 0"



ST1M8H - CMU WALL WITH NATURAL STONE VENEER - HEAD 1 1/2" = 1' 0"



ST1M8J - CMU WALL WITH NATURAL STONE VENEER - JAMB PLAN 1 1/2" = 1' 0"

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CONSULTANT

YORK COUNTY

OWNER ADDRESS

CATAWBA BEND PRESERVE PHASE 1

3271 Neely Store Road
Rock Hill, SC 29730

DATE MARK DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
PROJECT NO: 23037
DRAWN BY: CSM
CHECKED BY: CAG

ASSEMBLIES

A201

Room Finish Schedule					
Number	Name	Floor Type	Base Finish	Wall Finish	Comments
101	OFFICE	CONC/ST-1	RES-1	CMU/P-1	
102	TOILET	CONC/ST-1	PP-1	GW/B-P-1	
201	TOILET	CONC/ST-1	PP-1	CMU/P-1	
202	TOILET	CONC/ST-1	PP-1	CMU/P-1	
203	TOILET	CONC/ST-1	PP-1	CMU/P-1	
204	ELECTRICAL / STORAGE	CONC/S	RES-1	CMU/P-1	
205	TOILET	CONC/ST-1	PP-1	CMU/P-1	
206	TOILET	CONC/ST-1	PP-1	CMU/P-1	
207	JANITOR	CONC/S	RES-1	CMU/P-1	
208	TOILET	CONC/ST-1	PP-1	CMU/P-1	

FINISH PLAN LEGEND

FLOORING

CONCS
TEXTURE: SMOOTH
SEALER: CLEAR
FINISH: LOW GLOSS

CONC/ST-1
MFR: AMERIPOLISH
SERIES: RETROPLATE
STAIN: SAND

BASE

RES-1
MFR: TARKETT
STYLE: TRADITIONAL TYPE TP
COLOR: TBD
SIZE: 4" H

PP-1 BASE
MFR: CROSSVILLE
STYLE: BASALT
COLOR: MAGMA
SIZE: 6" X 12" COVE BASE
EPOXY GROUT: MAPEI CHARCOAL 5047

WALLS

P-1 (FIELD)
MFR: SHERWIN WILLIAMS
COLOR: DRIFT OF MIST 238-C2
FINISH: VARIES

P-2 (HOLLOW METAL DOORS & FRAMES)
MFR: SHERWIN WILLIAMS
COLOR: IRON ORE 251-C7
FINISH: SEMI-GLOSS

P-3 (CEILINGS)
MFR: SHERWIN WILLIAMS
COLOR: EXTRA WHITE 257-C1
FINISH: FLAT

PLASTIC LAMINATE

PLAM-1
MFR: WILSONART
PATTERN: SHADOW D96-60
FINISH: MATTE

SOLID SURFACE

SS-1
MFR: CORIAN
COLOR: ARTISTA CANVAS
THICKNESS: 3/4"
EDGE: EASED

ROLLER SHADES

RS-1 (MANUAL)
MFR: MECO
SHADE: MECO 5MANUAL SHADE SYSTEM
SHADE FABRIC: EQUINOX BLACKOUT
SHADE COLOR: TBD - SELECT FROM MANUFACTURER'S FULL RANGE
*TO BE INSTALLED WITH RS-2 IN DUAL SHADE CONFIGURATION

RS-2 (MANUAL)
MFR: MECO
SHADE: MECO 5MANUAL SHADE SYSTEM
SHADE FABRIC: SOHO
OPENNESS FACTOR: OWNER TO SELECT
SHADE COLOR: TBD - SELECT FROM MANUFACTURER'S FULL RANGE
*TO BE INSTALLED WITH RS-1 IN DUAL SHADE CONFIGURATION

FINISH ABBREVIATION LEGEND

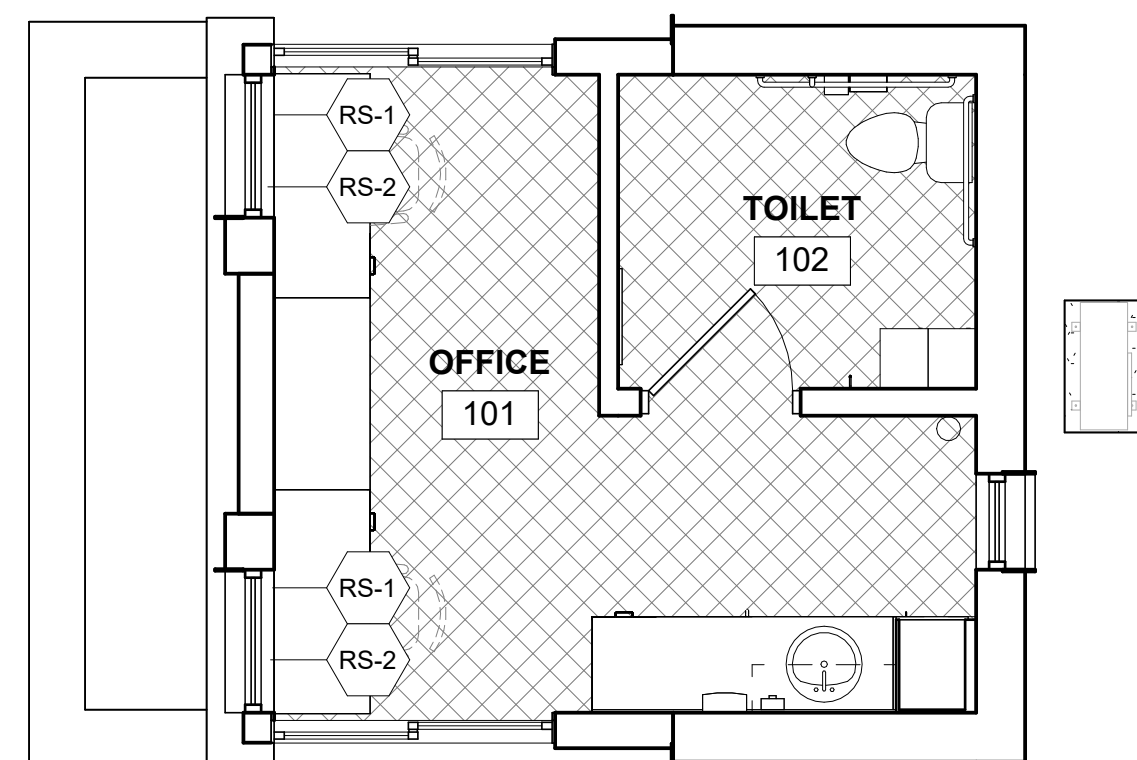
CMU/P CONCRETE MASONRY UNIT/PAINTED
CONCS SEALED CONCRETE
CONC/ST STAINED CONCRETE
GW/B/P GYPSUM WALL BOARD/PAINT
PLAM PLASTIC LAMINATE
PP PORCELAIN PAVEMENT
RES RESILIENT
RS ROLLER SHADE
SS SOLID SURFACE

FLOORING MATERIAL TRANSITIONS

CONCS TO CONCS/ST = NONE

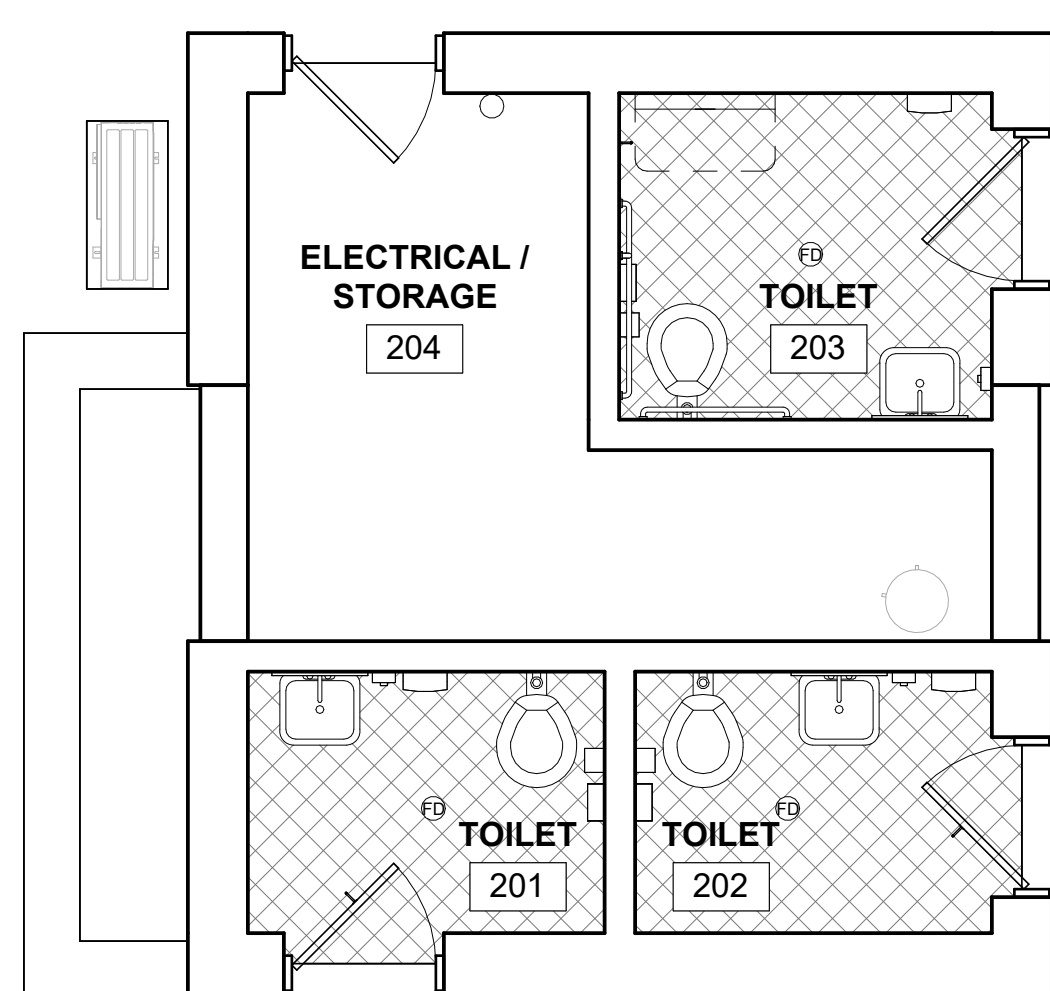
INTERIOR FINISH NOTES

- ALL GYPSUM WALLS SHALL BE PAINTED P-1, FINISH EGGSHELL EXCEPT IN RESTROOMS. RESTROOM WALLS SHALL BE PAINTED P-1, EPOXY FINISH. SEE FINISH SCHEDULE AND PLANS FOR OTHER DESIGNATIONS.
- ALL CMU WALLS SHALL BE PAINTED P-1, FINISH EGGSHELL EXCEPT IN RESTROOMS. RESTROOM WALLS SHALL BE PAINTED P-1, EPOXY FINISH. SEE FINISH SCHEDULE AND PLANS FOR OTHER DESIGNATIONS.
- ALL WOOD TRIM TO BE PAINTED, SHALL BE PAINTED P-1, FINISH SEMI-GLOSS.
- ALL HOLLOW METAL DOORS AND FRAMES SCHEDULED TO BE PAINTED, SHALL BE PAINTED P-2, FINISH SEMI-GLOSS.
- ALL GYPSUM CEILINGS AND SOFFITS SHALL BE PAINTED P-3, FINISH FLAT, ON ALL FACES UNLESS NOTED OTHERWISE.
- ALL MECHANICAL GRILLS SHALL BE PAINTED TO MATCH ADJACENT COLOR AND FINISH.
- PAINTING CONTRACTOR SHALL REVIEW THE SURFACES OF ALL MATERIALS THAT ARE INDICATED TO BE PAINTED AND SHALL BRING TO THE ATTENTION OF THE CONTRACTOR ANY SURFACES THAT ARE NOT ACCEPTABLE TO RECEIVE PAINT. WALL SURFACES THAT CONTAIN BLEMISHES, CONCRETE SPATTERINGS, CAULKING DRIPS, PAINT RUNS, NAILS, SCREWS, UNEVEN FINISH SURFACES, ETC. SHALL BE CORRECTED PRIOR TO FINAL PAINT. FAILURE OF NOT CORRECTING THESE ITEMS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO CORRECT THIS WORK, EVEN AFTER FINAL PAINTING IS COMPLETED.
- REMOVE PAINT FROM ALL ITEMS NOT INTENDED TO BE PAINTED SUCH AS LIGHT SWITCH PLATES, ELECTRICAL RECEPTACLES, FIRE ALARM STROBES, LIGHT FIXTURES, SPEAKERS, DOOR HARDWARE, FLOOR TILES, WALL BASE, CEILING TILES, GRID, ETC.
- FLOOR MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTERLINE OF THE ROOM DOORS IN A CLOSED POSITION. SEE FINISH LEGEND FOR FLOOR TRANSITION DETAILS.
- ALL LAMINATE CABINETS, SHELVES, SKIRTS, SUPPORTS, AND OPEN SHELVES SHALL BE PLAM-1.
- ALL SOLID SURFACE COUNTERTOPS SHALL BE SS-1.
- ALL ELECTRICAL RECEPTACLE PLATE COLORS SHALL BE STAINLESS STEEL WITH GRAY RECEPTACLES.
- EXTERIOR WINDOWS IN OFFICE 101 SHALL RECEIVE RS-1 & RS-2 MANUAL ROLLER SHADES. SEE FINISH PLAN FOR LOCATIONS.



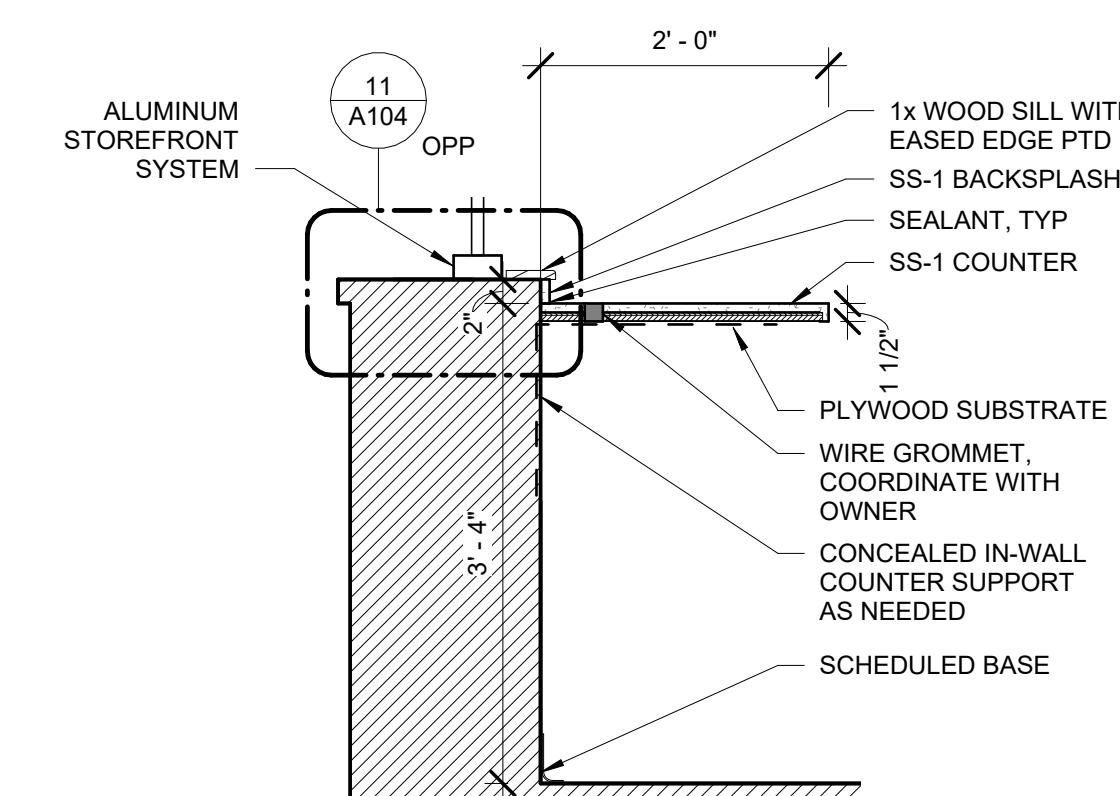
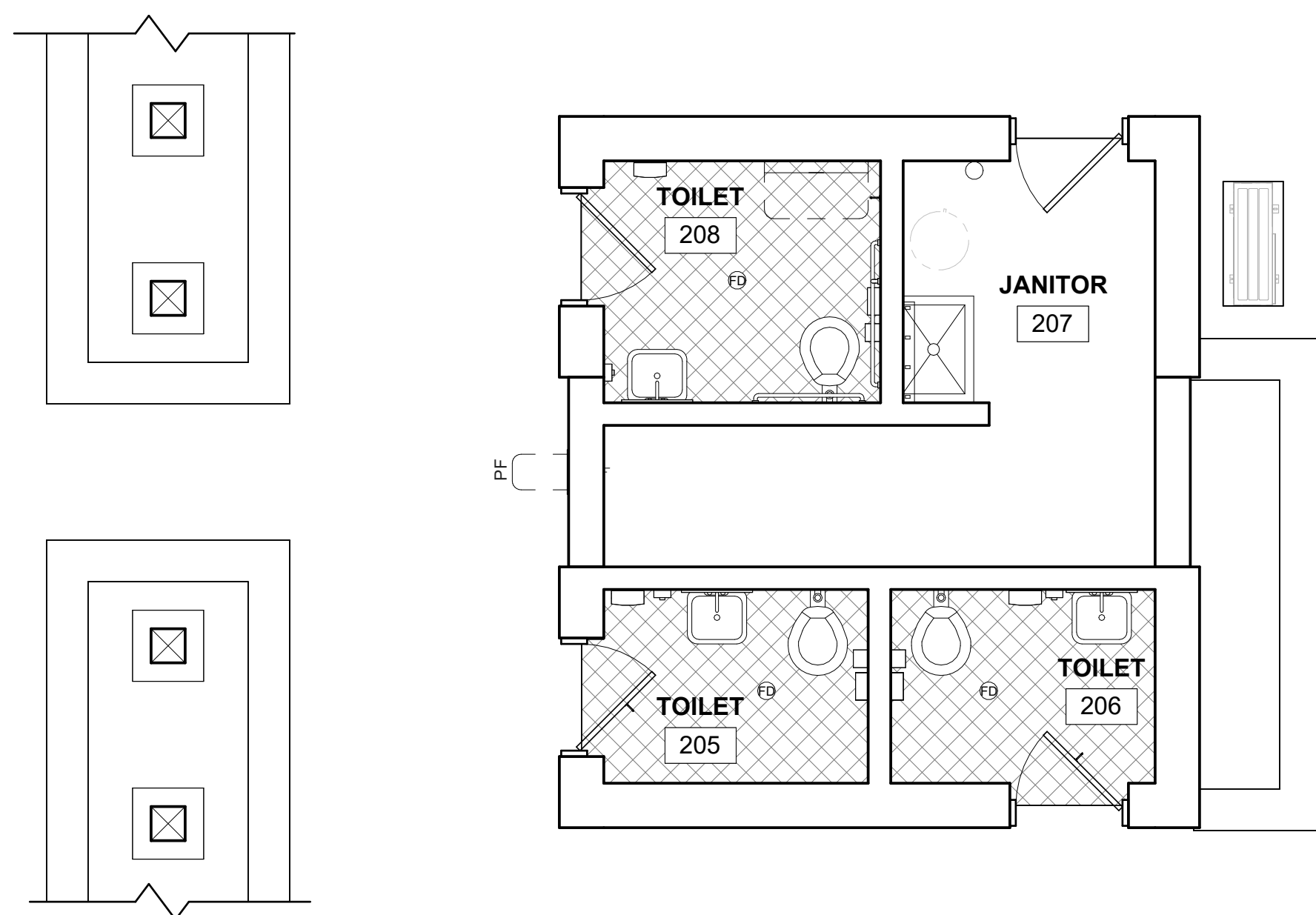
1 GATE HOUSE - FINISH PLAN

A701 1/4" = 1'-0"



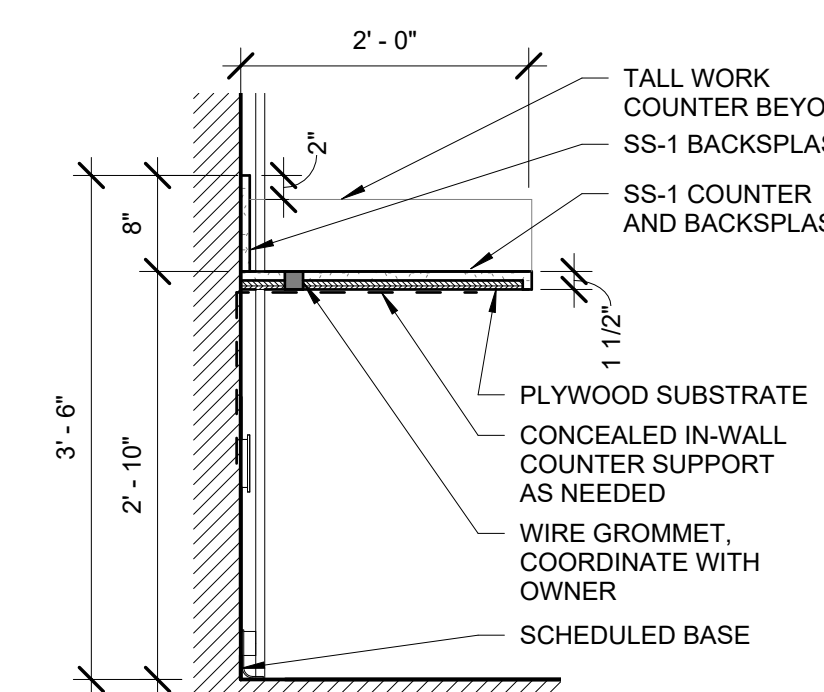
2 TOILET BUILDING - FINISH PLAN

A701 1/4" = 1'-0"



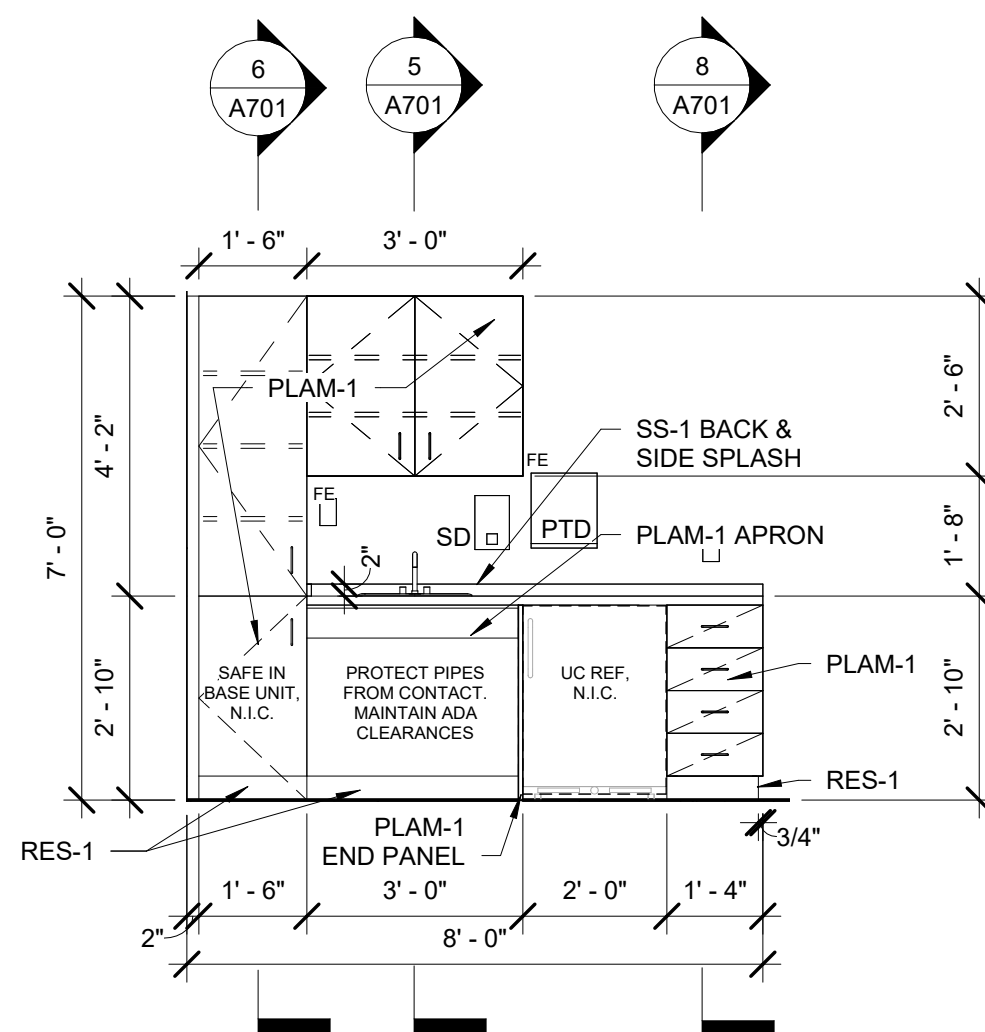
7 WORK COUNTER

A701 3/4" = 1'-0"



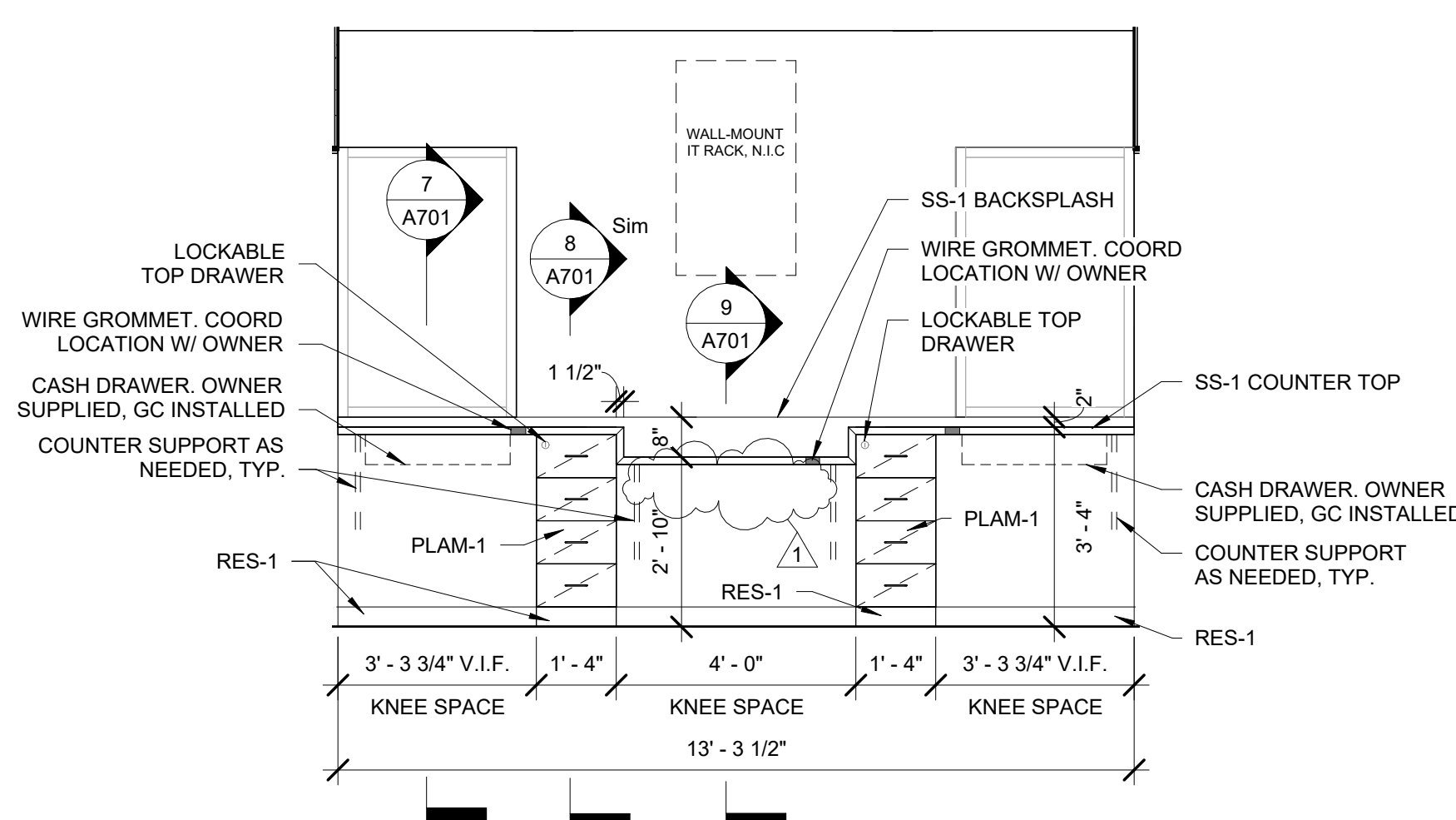
9 WORK COUNTER - LOW

A701 3/4" = 1'-0"



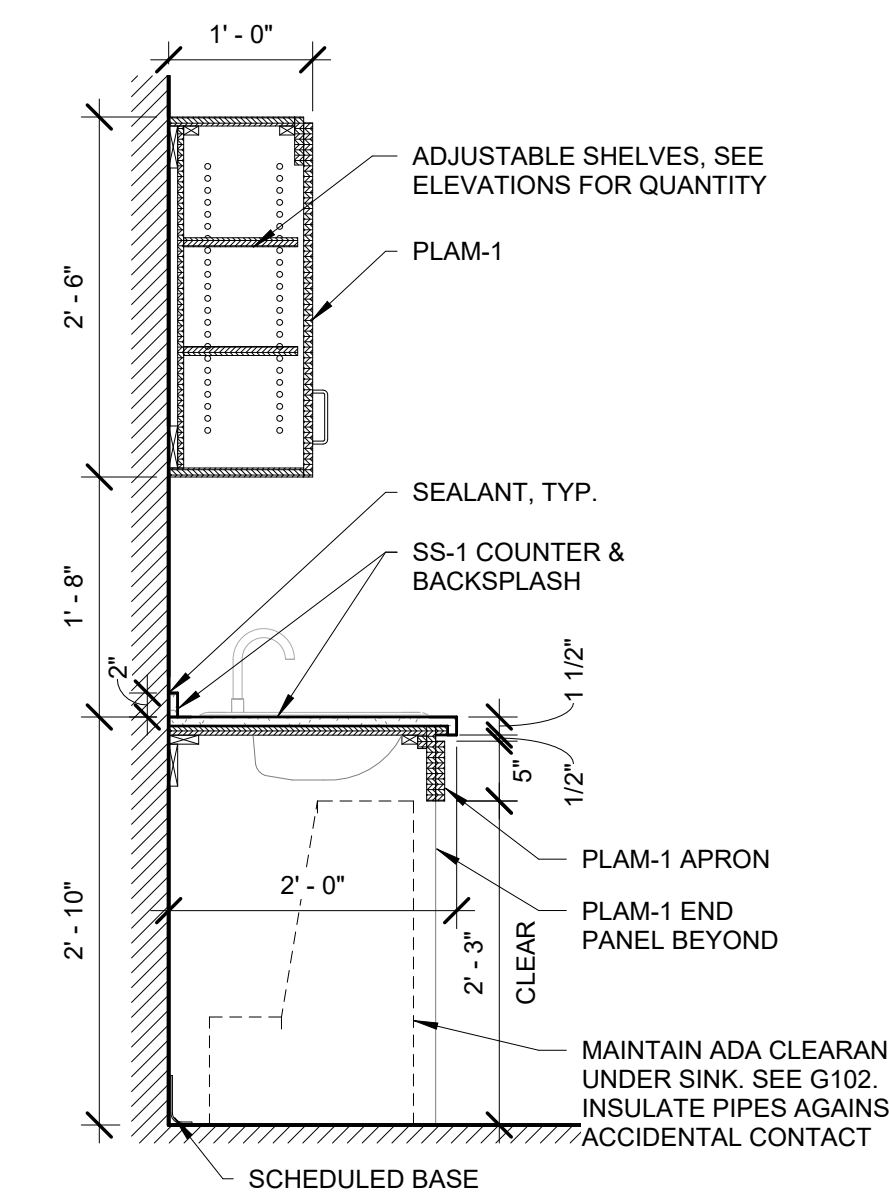
3 GALLEY KITCHEN

A701 3/8" = 1'-0"



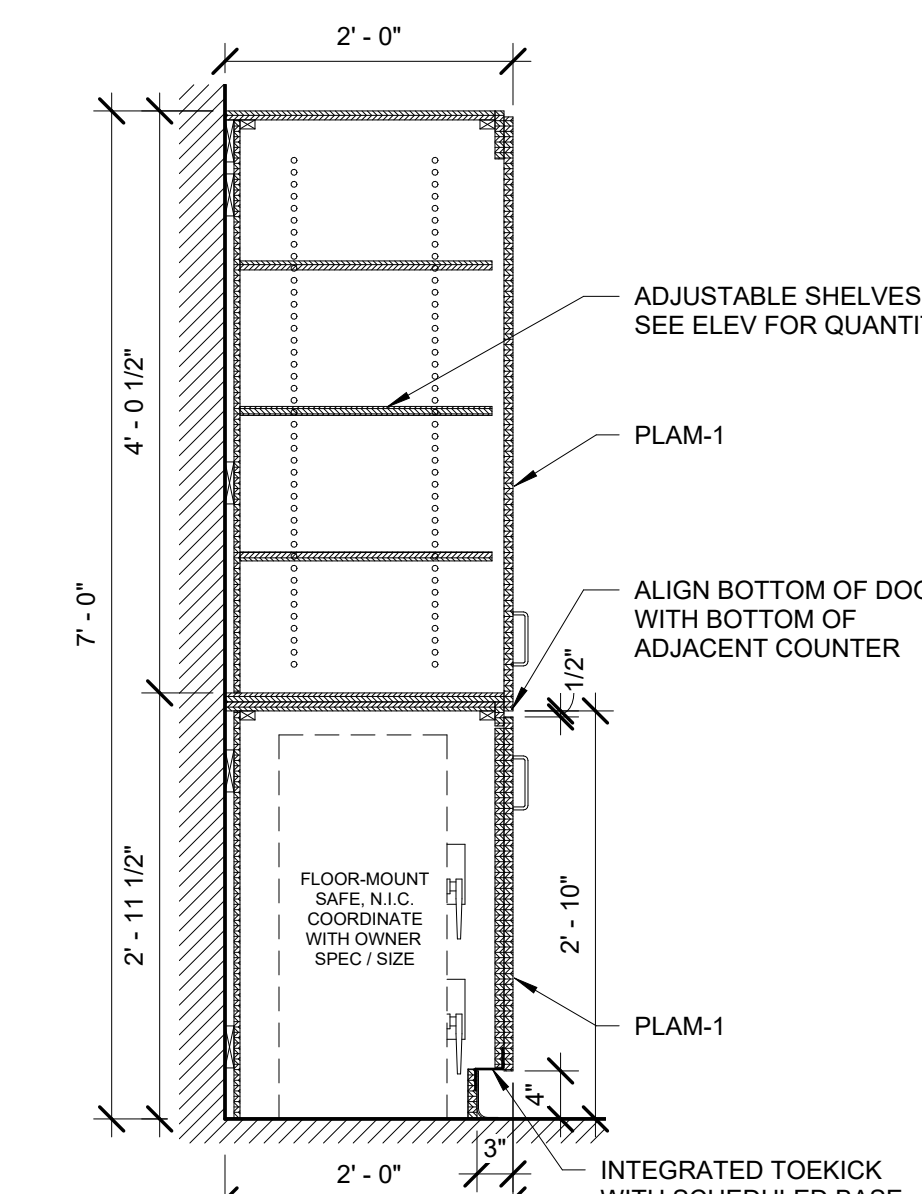
4 WORK COUNTER

A701 3/8" = 1'-0"



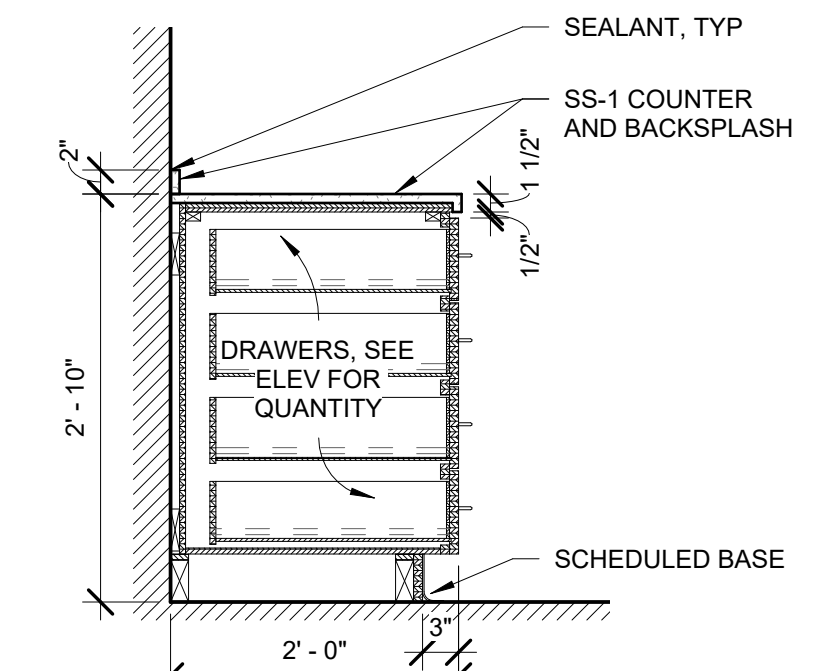
5 GALLEY SINK

A701 3/4" = 1'-0"



6 PANTRY UNIT

A701 3/4" = 1'-0"



8 BASE DRAWER

A701 3/4" = 1'-0"

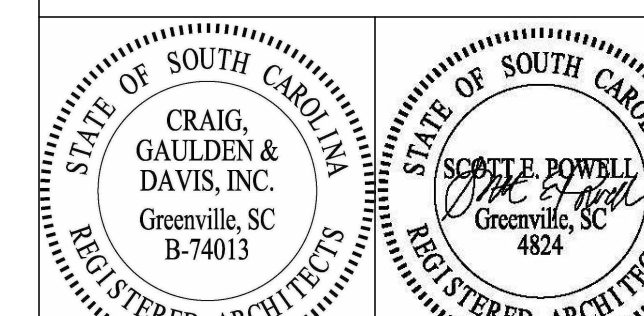
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CONSULTANT

YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

3271 Neely Store Road
Rock Hill, SC 29730

DATE	MARK	DESCRIPTION
04.19.24	1	Permit and Owner Comments

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
PROJECT NO: 23037
DRAWN BY: MQS / CSM
CHECKED BY: CAG

FINISH SCHEDULE & MILLWORK DETAILS

A701

GENERAL NOTES

- STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ENTIRE SET OF PROJECT DRAWINGS, PROJECT MANUAL, AND ALL SHOP DRAWING SUBMITTALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS, CLEARANCES AND ALL OTHER COORDINATION ISSUES WITH OTHER TRADES.
- IN CASE OF CONFLICT BETWEEN STRUCTURAL DRAWINGS, STRUCTURAL PLANS, OR STRUCTURAL DETAILS THE MORE STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MORE COSTLY CONDITION.
- IN CASE OF CONFLICT BETWEEN DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS THE MORE STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MORE COSTLY CONDITION.
- WORK NOT INDICATED ON THE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
- ALL NOTES, DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS INDICATED OR REFERENCED. ALL NOTES, DETAILS AND SECTIONS SHALL APPLY TO ANY SIMILAR SITUATION THROUGHOUT THE ENTIRE PROJECT UNLESS A SEPARATE NOTE, DETAIL OR SECTION IS PROVIDED.
- REVIEW ALL PROJECT DOCUMENTS PRIOR TO FABRICATION AND START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE OWNER OR OWNERS REPRESENTATIVE PRIOR TO PROCEEDING WITH WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING AND IN PLACE WORK OR UTILITIES DURING CONSTRUCTION.
- COORDINATE STRUCTURAL DRAWINGS WITH OTHER CONTRACT DRAWINGS, SPECIFICATIONS, OR SHOP DRAWINGS WHICH MAY AFFECT THE STRUCTURAL WORK.
- USE OF REPRODUCED CONTRACT DRAWINGS IN PART OR WHOLE FOR THE PURPOSE OF SHOP DRAWING PREPARATION SHALL NOT RELIEVE THE CONTRACTOR OR SUBCONTRACTOR FROM THE REQUIREMENT TO ACCURATELY LAYOUT, COORDINATE, DETAIL, FABRICATE AND INSTALL A COMPLETE STRUCTURE.
- ALL SUBMITTALS SHALL BE REVIEWED BY THE SUBCONTRACTOR AND CONTRACTOR FOR CONFORMANCE TO THE CONTRACT DOCUMENTS, FOR COMPLETENESS, AND TO RESPOND TO CONTRACTOR COORDINATION RELATED QUESTIONS PRIOR TO SUBMITTING FOR APPROVAL. ALL SHEETS SHALL BE STAMPED AND INITIALED BY THE CONTRACTOR INDICATING SUCH A REVIEW HAS BEEN COMPLETED PRIOR TO ISSUING SUBMITTAL FOR APPROVAL.
- CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL.
- ALL ELEVATIONS INDICATED IN STRUCTURAL DRAWINGS ARE IN REFERENCE TO A GROUND FLOOR FINISHED SLAB ELEVATION OF 0'-0" UNLESS NOTED OTHERWISE. SEE CIVIL FOR GROUND FLOOR FINISHED SLAB ELEVATION.

FOUNDATIONS

- SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION "312000-EARTH MOVING"
- PROVIDE ALL MEASURES NECESSARY FOR THE INSTALLATION OF FOUNDATIONS INCLUDING BUT NOT LIMITED TO DEWATERING AND SHORING.
- CENTER ALL FOUNDATIONS BENEATH THEIR RESPECTIVE WALL OR COLUMN UNLESS NOTED OTHERWISE.
- HORIZONTAL JOINTS ARE NOT PERMITTED IN FOUNDATIONS.
- SEE TYPICAL DETAILS FOR CONSTRUCTION OF VERTICAL CONSTRUCTION JOINTS AND LIMITATIONS ON LOCATIONS.
- DO NOT INSTALL PLUMBING OR PLUMBING SLEEVES IN OR THROUGH FOUNDATIONS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, OR WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
- PLUMBING RUNS BELOW GRADE SHALL NOT RUN BENEATH AND PARALLEL TO CONTINUOUS FOOTINGS.
- ALL REINFORCING STEEL SHALL BE SUPPORTED ON CHAIRS OR BOLSTERS TO PROPER ELEVATION AND SHALL BE SECURELY ANCHORED.
- FOUNDATION SIZES SHOWN ASSUME FOOTINGS ARE CONSTRUCTED WITH SIDE FORMS.
- EARTH FORMED FOUNDATIONS ARE PERMITTED IF SUBGRADE IS STABLE ENOUGH TO HOLD THE FACE OF THE EXCAVATION. ALL FOUNDATION SIZES FOR EARTH FORMED FOUNDATIONS SHALL BE INCREASED 1" IN ALL DIRECTIONS.
- ALL FOUNDATION EXCAVATIONS SHALL BE DEWATERED PRIOR TO PLACING CONCRETE.
- BACKFILL SHALL NOT BE PLACED AGAINST FOUNDATION WALLS UNTIL CONCRETE OR GROUT HAS ACHIEVED 75% OF THE REQUIRED STRENGTH.
- FIELD TESTING AND INSPECTION OF FOUNDATIONS, SUBGRADE MATERIALS AND SUBGRADE PREPARATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

CAST-IN-PLACE CONCRETE

- ALL CAST-IN-PLACE CONCRETE SHALL CONFORM TO SPECIFICATION SECTION 033000-"CAST-IN-PLACE CONCRETE"
- LAP ALL W/M/W/R ONE MESH SPACING PLUS A 2" OFFSET AND SECURELY ANCHOR.
- ALL CONTINUOUS REINFORCEMENT SHALL BE LAPPED PER SCHEDULES AND DETAILS.
- REINFORCEMENT SHALL BE SECURELY ANCHORED IN POSITION. THE CONTRACTOR SHALL PROVIDE ADDITIONAL BARS, STANDEES, OR STIRRUPS TO ANCHOR BARS IN THE PROPER POSITION.
- THE DESIGN AND CONSTRUCTION OF FORMS AND SHORES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. QUALIFIED WORKMEN SHALL CONSTANTLY OBSERVE AND ADJUST FORMS AND SHORES AS REQUIRED DURING CONCRETE PLACEMENT.
- ALL SHORING SHALL REMAIN IN PLACE UNTIL THE SUPPORTED CONCRETE HAS ATTAINED 75% OF THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.
- CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ANCHOR BOLTS, ETC AS REQUIRED FOR ALL TRADES BEFORE CONCRETE IS POURED. THESE ITEMS SHALL BE INSTALLED AND VERIFIED BY THE CONTRACTOR.
- SEE PLUMBING DRAWINGS FOR FLOOR DRAINS.
- FOR CONCRETE PADS SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- FOR EXTERIOR SIDEWALKS AND CURBS SEE CIVIL DRAWINGS.
- FOR WATERPROOFING REQUIREMENTS SEE ARCHITECTURAL DRAWINGS.
- DOWELS SHALL MATCH WALL REINFORCING UNLESS NOTED OTHERWISE.
- ALL INTERIOR SLABS SHALL HAVE A STEEL TROWELED FINISH UNLESS NOTED OTHERWISE. COORDINATE SLAB FINISH FOR AREAS WITH SPECIALTY FLOOR COVERINGS WITH SPECIFICATIONS AND FINISH SCHEDULE.
- ALL REINFORCING STEEL SHALL BE DETAILED FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI 318-14 AND ACI SP-06-09A.
- PROVIDE THE FOLLOWING CONCRETE CLEAR COVER OVER REINFORCING (UNO):
 - A. FOOTINGS, GRADE BEAMS, THE BEAMS AND PILE CAPS: 3"
 - B. INTERIOR BEAMS AND COLUMNS: 1"
 - C. EXTERIOR BEAMS AND COLUMNS: 2"
 - D. PEDESTALS: 2"
 - E. STRUCTURAL SLABS ON GRADE:
 - a. 3" BOTTOM
 - b. 3/4" TOP @ INTERIOR SPACES
 - c. 1 1/2" TOP AT EXTERIOR SPACES
 - F. INTERIOR FORMED ELEVATED SLABS: 3/4" BOTTOM, 3/4" TOP
 - G. EXTERIOR FORMED ELEVATED SLABS: 1 1/2" BOTTOM, 1 1/2" TOP
 - H. SLABS ON DECK: W/M CENTERED IN COVER OVER DECK FLUTES
 - I. SLABS ON GRADE: W/M IN TOP 1/3, REINFORCING STEEL CENTERED
 - J. CONCRETE WALLS: 1 3/4" UNO
- REINFORCEMENT SHALL NOT BE CUT TO ACCOMMODATE THE INSTALLATION OF ANCHORS EMBEDS OR OTHER ITEMS.
- AT CHANGES OF DIRECTION IN CONTINUOUS CONCRETE ELEMENTS PROVIDE CORNER BARS OF SAME SIZE AND SPACING OF HORIZONTAL REINFORCING.
- PLACE CONCRETE PER ACI 318-14. USE INTERNAL MECHANICAL VIBRATION FOR ALL CONCRETE. LIMIT MAXIMUM FREE FALL HEIGHT TO 6'-0" AND TAKE PRECAUTIONS TO AVOID CONCRETE SEGREGATION.
- FIELD TESTING AND INSPECTION OF CONCRETE MATERIALS AND CONCRETE INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

POST INSTALLED STRUCTURAL ANCHORS

- ALL POST INSTALLED STRUCTURAL ANCHORS SHALL CONFORM TO SPECIFICATION SECTION 050520-"POST INSTALLED STRUCTURAL ANCHORS"
- NOTED EMBEDMENT DEPTHS ARE FROM FACE OF CMU OR FACE OF CONCRETE
- ALL INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S DATA AND THE ASSOCIATED ICC REPORT
- ALL PERSONNEL INSTALLING ANCHORS SHALL HAVE ATTENDED INSTALLER TRAINING PER THE SPECIFICATIONS
- FIELD TESTING AND INSPECTION OF POST INSTALLED ANCHOR MATERIALS AND POST INSTALLED ANCHOR INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

MASONRY

- ALL MASONRY SHALL CONFORM TO SPECIFICATION SECTION 042000-"UNIT MASONRY"
- MASONRY CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES" (TMS 402/602-16) EXCEPT AS MODIFIED OR AMENDED BY THE CONTRACT DOCUMENTS
- LAP SPIRES FOR STEEL REINFORCING SHALL BE PER SCHEDULES
- GROUT MASONRY AT ALL REINFORCING LOCATIONS SHOWN IN PLANS, SCHEDULES AND DETAILS AND AS REQUIRED FOR MISCELLANEOUS ANCHORAGE.
- GROUT SOLID ALL MASONRY BELOW GRADE, INCLUDING BUT NOT LIMITED TO STEM WALLS AND RETAINING WALLS.
- CAP ALL UNREINFORCED CELLS NOT SPECIFICALLY NOTED TO BE GROUTED WITH CLOSURE PLATES OR SCREENS PRIOR TO GROUTING.
- EXTEND ALL NON-LOAD BEARING WALLS A MINIMUM OF 8" ABOVE CEILING AND CAP WITH A CONTINUOUS BOND BEAM REINFORCED WITH (2)#5S UNLESS NOTED OTHERWISE.
- PROVIDE LINTELS OVER ALL OPENINGS PER PLANS, SCHEDULES, AND DETAILS. PROVIDE LINTELS OVER ALL OPENINGS WIDER THAN 12" INCLUDING HVAC DUCTS, PIPING, EMBEDDED PANELS AND CABINETS, AND CONDUNIT.
- PROVIDE POURED SILL UNITS WITH KNOCK-OUT BOTTOMS AT THE BOTTOM OF ALL OPENINGS AND REINFORCE PER SCHEDULES AND DETAILS.
- ALL OPENINGS FOR ELEMENTS PASSING THROUGH MASONRY WALLS SHALL BE BUILT IN AS WORK PROGRESSES. SAW CUTTING OR CORING OF COMPLETED MASONRY CONSTRUCTION IS NOT PERMITTED.
- ALL OPENINGS FOR ELEMENTS PASSING THROUGH MASONRY WALLS SHALL BE COORDINATED SUCH THAT THEY DO NOT PASS THROUGH OR INFRINGE ON OTHER MASONRY LINTELS INCLUDING THE FULL DEPTH OF THE LINTEL FOR THE FULL WIDTH OF THE BEARING.
- COORDINATE VERTICAL REINFORCING WITH ALL SCHEDULES, DETAILS AND TYPICAL DETAILS
- PROVIDE MASONRY CONTROL JOINTS LOCATED AND REINFORCED PER PLANS, NOTES AND TYPICAL DETAILS
- GROUT A MINIMUM OF 24" (OR TO BOND BEAM BELOW IF LESS THAN 24") AT ALL BEARING PLATES.
- COORDINATE INSTALLATION OF MASONRY WALLS WITH ALL TRADES AND STRUCTURAL DETAILS TO ENSURE PROPER INSTALLATION SEQUENCE.
- THE MASONRY WALLS ARE NOT DESIGNED TO WITHSTAND TEMPORARY CONSTRUCTION LOADS. IT IS THE RESPONSIBILITY OF THE DESIGN, INSTALL AND MAINTAIN BRACING TO STABILIZE MASONRY WALLS DURING CONSTRUCTION.
- FIELD TESTING AND INSPECTION OF MASONRY MATERIALS AND MASONRY CONSTRUCTION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

STRUCTURAL STEEL FRAMING

- ALL STRUCTURAL STEEL FRAMING AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING SHALL CONFORM TO SPECIFICATION SECTION 051200-"STRUCTURAL STEEL FRAMING"
- ALL STRUCTURAL STEEL ERECTION SHALL COMPLY WITH AWS D1.1 AND AWS D1.3-16
- CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OR GUYS TO PROVIDE LATERAL SUPPORT OF THE STRUCTURAL STEEL UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEM IS COMPLETED.
- THE ERECTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER'S SPECIAL INSPECTOR FOR PRE-INSTALLATION VERIFICATION OF SLIP CRITICAL BOLT TIGHTENING PROCEDURES.
- FIELD TESTING AND INSPECTION OF STRUCTURAL STEEL MATERIALS AND STRUCTURAL STEEL INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD WELDING

- ALL FIELD WELDING SHALL CONFORM TO SPECIFICATION SECTION 051200-"STRUCTURAL STEEL FRAMING" FOR WELDING STRUCTURAL STEEL FRAMING
- ALL FIELD WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE-STEEL" AND AWS D1.3, "STRUCTURAL WELDING CODE-SHEET STEEL", LATEST EDITIONS
- ALL FIELD WELDING SHALL BE IN STRICT ACCORDANCE WITH WRITTEN WELD PROCEDURE (WPS) FOR THE GIVEN WELD CONDITION
- REPAIR ALL DAMAGED GALVANIZING, PRIMER OR PAINT ONCE WELDING IS COMPLETE
- ELECTRODES SHALL BE STORED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- ALL PERSONNEL COMPLETING FIELD WELDS SHALL BE CERTIFIED IN ACCORDANCE WITH AWS TO PERFORM THE GIVEN WELD.
- FIELD TESTING AND INSPECTION OF FIELD WELDING MATERIALS AND FIELD WELDING SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

ROUGH CARPENTRY

- ALL ROUGH CARPENTRY SHALL CONFORM TO SPECIFICATION SECTION 061000-"ROUGH CARPENTRY"
- ALL PILES OF MULTIPLE MEMBERS (DBL, TRPL, ETC.) SHALL BE GLUED TOGETHER WITH WATERPROOF CONSTRUCTION ADHESIVE AND FASTENED WITH (2) ROWS OF 16D "SINKER" NAILS AT 9" O.C. UNO
- ALL CONNECTIONS FOR WOOD MEMBERS SHALL BE PER BC 2021 TABLE 2304.10 EXCEPT WHERE NOTED OTHERWISE
- ALL CLIPS AND HANGERS SHALL BE INSTALLED WITH MAX NAILS OF NUMBER AND SIZE AS INDICATED IN MANUFACTURER'S CATALOG UNO
- THE BASIS OF DESIGN PRODUCT IS LISTED FOR ALL METAL FRAMING ANCHORS. CONTRACTOR MAY SUBMIT EQUIVALENT PROPRIETARY CONNECTORS FOR USE SUBJECT TO EOR APPROVAL. SEE SPECIFICATIONS FOR SUBSTITUTION SUBMITTAL REQUIREMENTS.
- WOOD SCREWS SHALL BE INSTALLED USING A LEAD HOLE WITH DIAMETER EQUAL TO 70% OF THE SCREW ROOT DIAMETER. SCREWS SHALL BE INSERTED INTO THE HOLE WITH A TURNING ACTION AND NOT A DRIVING ACTION. THE MINIMUM EMBEDMENT INTO THE MAIN MEMBER FOR WOOD SCREWS SHALL BE SIX TIMES THE SCREW DIAMETER UNO.
- LAG SCREWS SHALL BE INSTALLED USING A LEAD HOLE WITH DIAMETER EQUAL TO 75% OF THE LAG SCREW SHANK DIAMETER AND A CLEARANCE HOLE EQUAL TO 100% OF THE LAG SCREW SHANK DIAMETER. THE LEAD HOLE SHALL BE OF DEPTH EQUAL TO THE EMBEDMENT OF THE LAG SCREW, AND THE CLEARANCE HOLE SHALL BE OF DEPTH EQUAL TO THE LENGTH OF UNTHREADED SHANK. LAG SCREWS SHALL BE INSERTED INTO THE HOLE WITH A TURNING ACTION AND NOT A DRIVING ACTION. THE MINIMUM EMBEDMENT INTO THE MAIN MEMBER FOR LAG SCREWS SHALL BE FOUR TIMES THE SCREW DIAMETER UNO.
- STRUCTURAL STEEL PLATES USED FOR CONNECTING ROUGH CARPENTRY SHALL BE PREDRILLED WITH HOLES 1/16" GREATER THAN THE FASTENER DIAMETER FOR FASTENERS 3/8" OR GREATER IN DIAMETER, AND 1/32" GREATER THAN THE FASTENER DIAMETER FOR FASTENERS LESS THAN 3/8" IN DIAMETER.
- ALL BOLTS CONNECTING ROUGH CARPENTRY SHALL HAVE AN ASTM F304 WASHER BENEATH BOTH THE HEAD AND THE NUT.
- FIELD TESTING AND INSPECTION OF ROUGH CARPENTRY FRAMING AND ASSOCIATED INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

STRUCTURAL WOOD SHEATHING

- ALL STRUCTURAL WOOD SHEATHING SHALL CONFORM TO SPECIFICATION SECTION 061620-"STRUCTURAL WOOD SHEATHING"
- MINIMUM WIDTH OF SHEATHING PANELS SHALL BE 24" UNLESS NOTED OTHERWISE
- STAGGER SHEATHING JOINTS UNLESS NOTED OTHERWISE
- SPACE PANEL EDGES 1/8" APART
- SEE TYPICAL DETAILS FOR GLUING REQUIREMENTS FOR FLOOR SHEATHING
- SEE TYPICAL DETAILS FOR FASTENING REQUIREMENTS FOR SPECIFIC SHEATHING APPLICATIONS
- FIELD TESTING AND INSPECTION OF STRUCTURAL WOOD SHEATHING AND ASSOCIATED INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

STRUCTURAL DESIGN CRITERIA

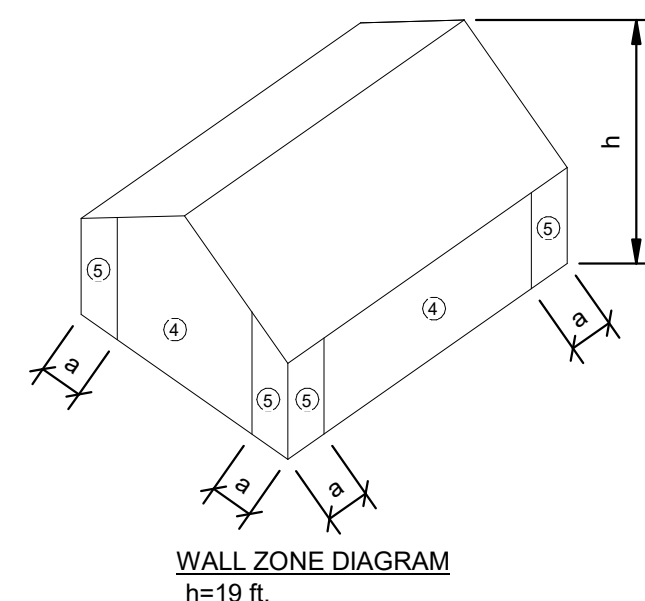
DESIGN BASED ON THE FOLLOWING CODES:
 • INTERNATIONAL BUILDING CODE (IBC) 2021
 • AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-16 - MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES

- FOUNDATION DESIGN VALUES:
 ALLOWABLE BEARING CAPACITY: 2500 PSF (PER GEOTECH)
 DIFFERENTIAL SETTLEMENT: 3/4 INCH
 TOTAL SETTLEMENT: 1 INCH
- GRAVITY LOAD DESIGN VALUES:
 FLOOR LIVE LOADS: (1ST FLOOR)
 LOBBY: 100-PSF
 RESTROOMS: 100-PSF
 OFFICES: 50-PSF
 ROOF LIVE LOADS:
 LOW-SLOPED ROOF: 30-PSF
 SLOPING ROOF: 20-PSF
 GROUND SNOW LOADS:
 SNOW: 10-PSF
- DEAD LOADS:
 ACTUAL MATERIAL WEIGHTS PER ASCE 7-16. SEE ARCHITECTURAL DRAWINGS FOR ROOF, WALL, AND FLOOR CONSTRUCTION

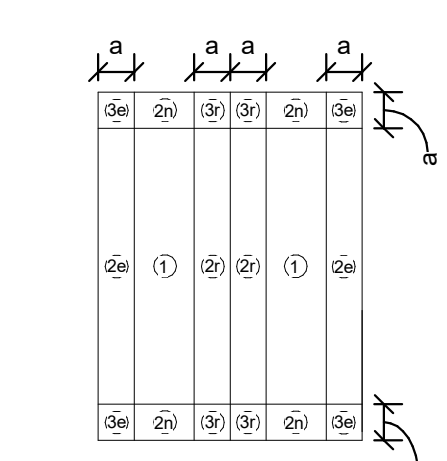
- SEISMIC DESIGN VALUES:
 Ss = 0.231
 S1 = 0.088
 Sds = 0.246
 Sd1 = 0.142
 SITE CLASS: "D" (PER GEOTECH)
 BUILDING CATEGORY: "II"
 IMPORTANCE FACTOR: ip = 1.0
 SEISMIC DESIGN CATEGORY: "B"
 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE (ELF)
 SEISMIC FORCE RESISTING SYSTEM:
 -ORDINARY REINFORCED MASONRY SHEAR WALLS
 RESPONSE MODIFICATION FACTOR: R = 2.0
 DEFLECTION AMPLIFICATION FACTOR: Cd = 1.75
 SYSTEM OVERSTRENGTH FACTOR: OMEGA = 2.5
 LIGHT FRAME WOOD SHEAR WALLS
 RESPONSE MODIFICATION FACTOR: R = 2.0
 DEFLECTION AMPLIFICATION FACTOR: Cd = 2.0
 SYSTEM OVERSTRENGTH FACTOR: OMEGA = 2.5
 ALLOWABLE INTERSTORY DRIFT: 0.01 Hsx

- WIND LOAD DESIGN VALUES:
 V = 111 mph (3-sec gust)
 BUILDING CATEGORY: "II"
 FIELD TESTING AND INSPECTION OF WIND RESISTING SYSTEM SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.
 EXPOSURE CATEGORY: "C"
 ENCLOSURE CLASSIFICATION: ENCLOSED
 DIRECTIONAL FACTOR: Kd = 0.85
 TOPOGRAPHIC FACTOR: Kzt = 1.0
 VELOCITY EXPOSURE COEFFICIENT: Kz = 0.85
 VELOCITY PRESSURE: q = 22.8 psf
 INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18
 ALLOWABLE INTERSTORY DRIFT: 0.0025 Hsx
 COMPONENTS & CLADDING PRESSURES: (INTERPOLATION PERMITTED)
 ELEMENTS RECEIVING INTERNAL PRESSURE

	Zone	Area (sf)	Wind Press (psf)	
			Max	Min
ROOF FIELD	1	10	24.6	-45.1
	1	20	21.8	-38.2
	1	50	18.2	-29.2
ROOF SIDE EDGE	2e	10	24.6	-45.1
	2e	20	21.8	-38.2
	2e	50	18.2	-29.2
ROOF RIDGE	2r	10	24.6	-45.1
	2r	20	21.8	-38.2
	2r	50	18.2	-29.2
ROOF FIELD OUTER	2n	10	24.6	-49.6
	2n	20	21.8	-44.4
	2n	50	18.2	-37.4
ROOF CORNER	3e	10	24.6	-60.8
	3e	20	21.8	-53.9
	3e	50	18.2	-44.8
ROOF RIDGE OUTER	3r	10	24.6	-49.6
	3r	20	21.8	-44.4
	3r	50	18.2	-37.4
WALL FIELD	4	10	26.86	-29.13
	4	20	25.65	-27.92
	4	50	24.05	-26.32
WALL CORNER	5	10	22.84	-25.11
	5	20	26.86	-35.96
	5	50	24.05	-30.34



WALL ZONE DIAGRAM
h=19 ft.



GABLE ROOF ZONE DIAGRAM
a=3 ft.

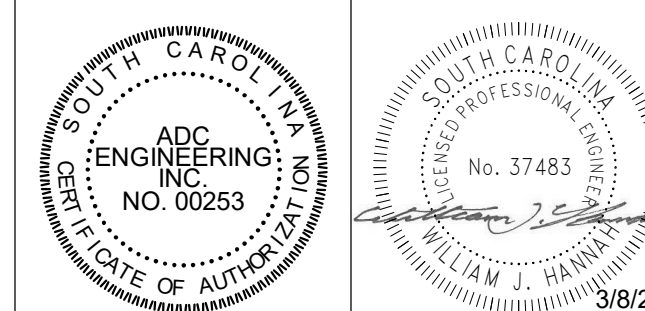
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3271 Neely Store Road
Rock Hill, SC 29730

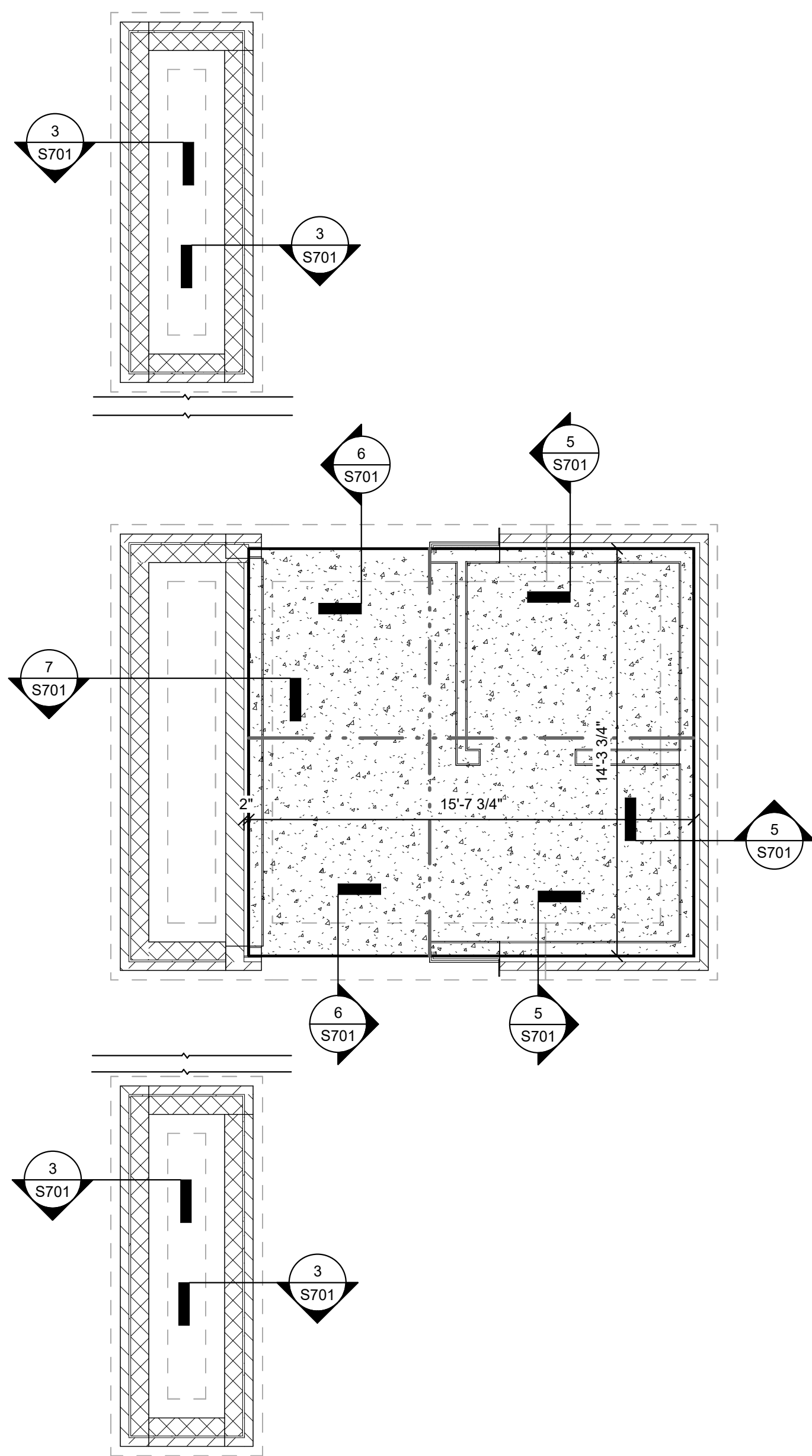
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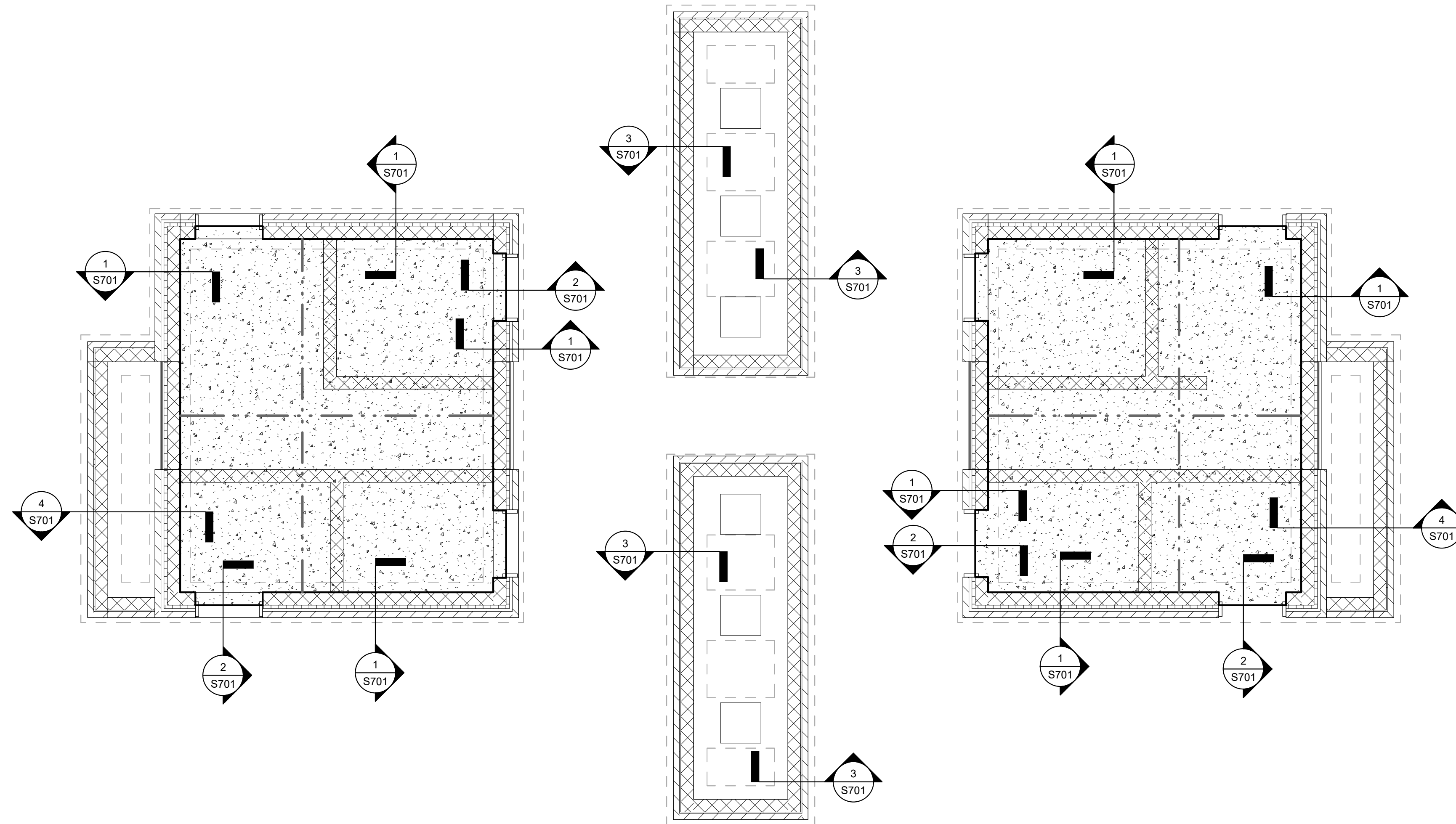
DATE:	03.08.2024
PROJECT NO:	23261
DRAWN BY:	WJH
CHECKED BY:	JBJ

GENERAL NOTES

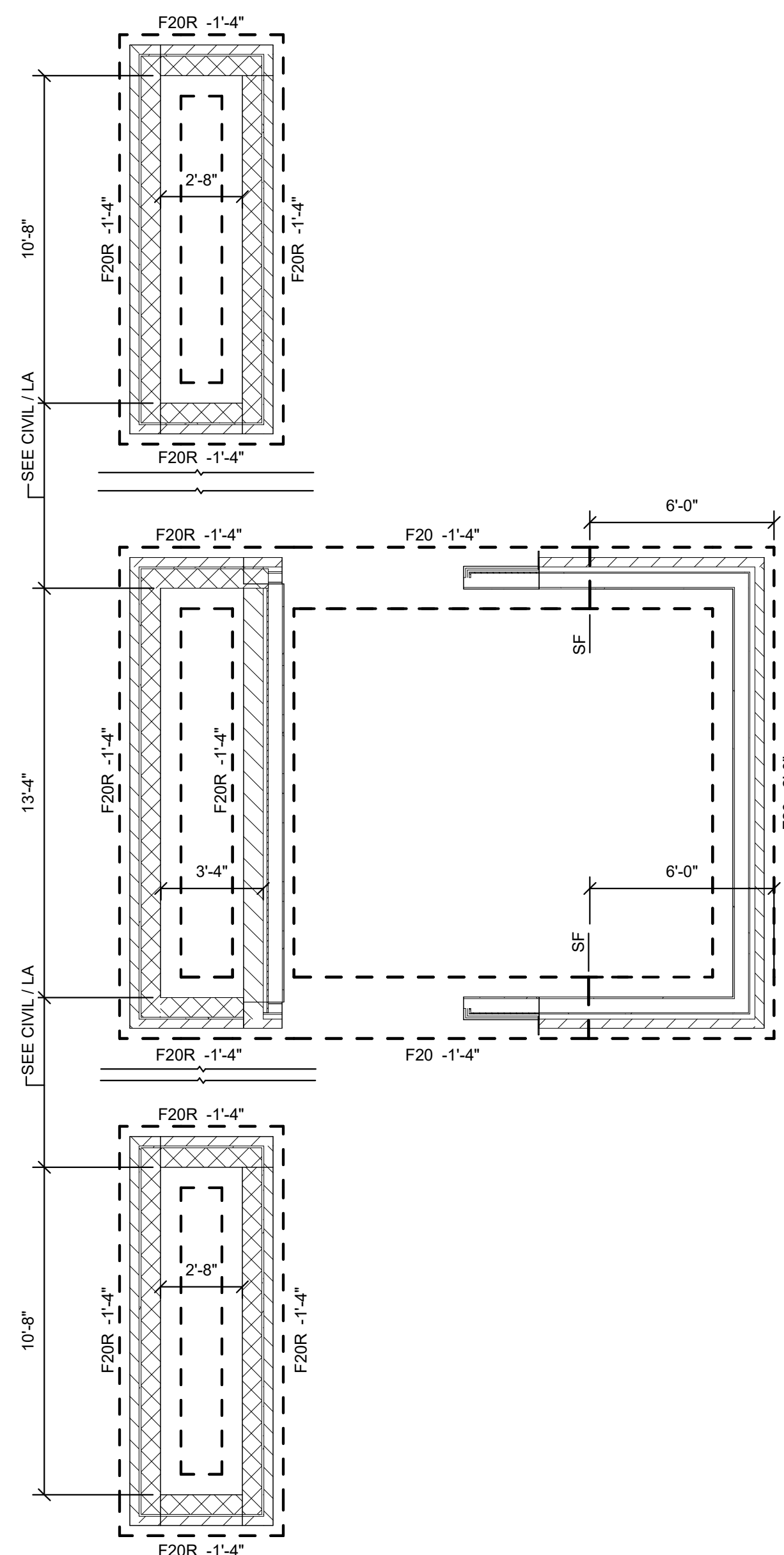
S001



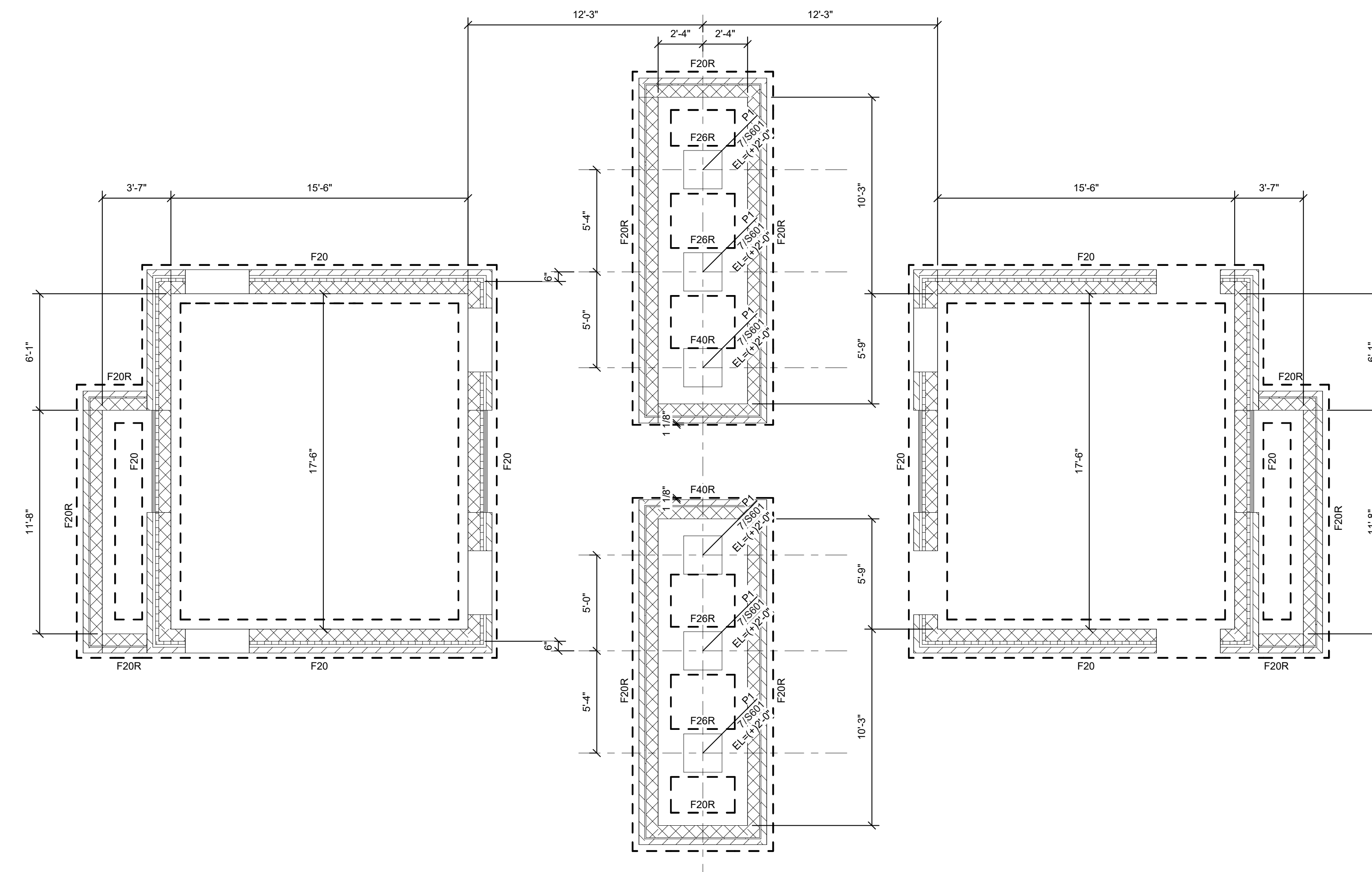
4 GATEHOUSE - SLAB PLAN
1/4" = 1'-0"



3 RESTROOMS - SLAB PLAN
1/4" = 1'-0"



2 GATEHOUSE - FOUNDATION PLAN
1/4" = 1'-0"



1 RESTROOMS - FOUNDATION PLAN
1/4" = 1'-0"

GENERAL NOTES (THIS SHEET ONLY)

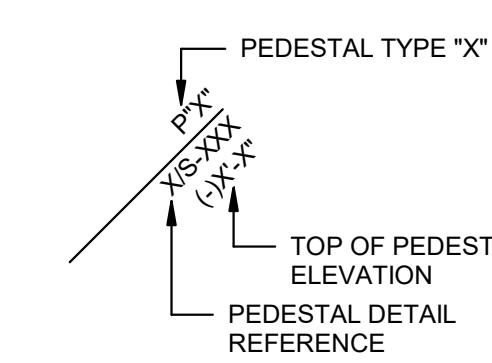
- TYPICAL SLAB ON GRADE CONSTRUCTION IS 4" SLAB W/ ONE LAYER OF #8@11" & W/ 4 WWR ON VAPOR RETARDER ON 4" CAPILLARY BARRIER ON COMPACTED SUBGRADE. SLAB TURNDOWN CONDITION OCCURS AT ENTRY BUILDING. SEE SPECS FOR FINISH REQUIREMENTS. TOP OF SLAB = 0'-0" UNO
- INDICATES SLAB ON GRADE CONTROL JOINT. SEE 6/S601
- DENOTES SLAB RECESS OF "X" INCHES. COORDINATE EXTENT OF RECESSES WITH ARCHITECTURAL DRAWINGS.
- DENOTES STEP IN TOP OF SLAB ELEVATION

KEYED NOTES (THIS SHEET ONLY)

GENERAL NOTES (THIS SHEET ONLY)

- TOP OF FOOTING = (-)2'-0" UNO
- SF = STEP FOOTING, SEE 5/S601
- SEE BELOW FOR FOUNDATION SCHEDULES
- CENTER ALL SPREAD FOOTINGS BENEATH COLUMNS/PIERS/PILASTERS
- PROVIDE CORNER BARS AT ALL STRIP FOOTING CHANGES IN DIRECTION
- EXTEND STRIP FOOTINGS A MINIMUM OF 8" PAST END OF WALL AT FOOTING TERMINATIONS
- SEE 3/S601 FOR CONTINUOUS FOOTING CONSTRUCTION JOINT DETAIL
- SEE 1/S601 FOR PIPING/CONDUIT BELOW FOOTINGS
- SEE 4/S601 FOR EXCAVATION LIMITS ADJACENT TO FOOTINGS
- SEE ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS OF NON-LOAD BEARING INTERIOR PARTITIONS

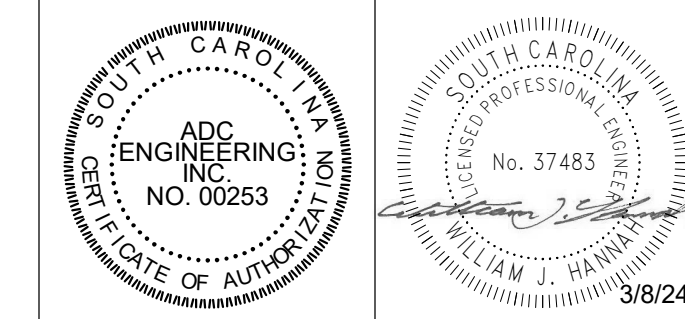
PEDESTAL LEGEND



CONTINUOUS FOOTING SCHEDULE				
FOOTING TYPE	WIDTH	THICKNESS	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING
F20	2'-0"	1'-0"	(3)#5S	N/A
F20R	2'-0"	1'-0"	(3)#5S	#5S @ 12" O.C. T&B
F26R	2'-4"	1'-4"	(3)#5S	#5S @ 12" O.C. T&B
F40R	4'-0"	1'-0"	(5)#5S	#5S @ 12" O.C. T&B

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YORK COUNTY

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Rock Hill, SC 29730

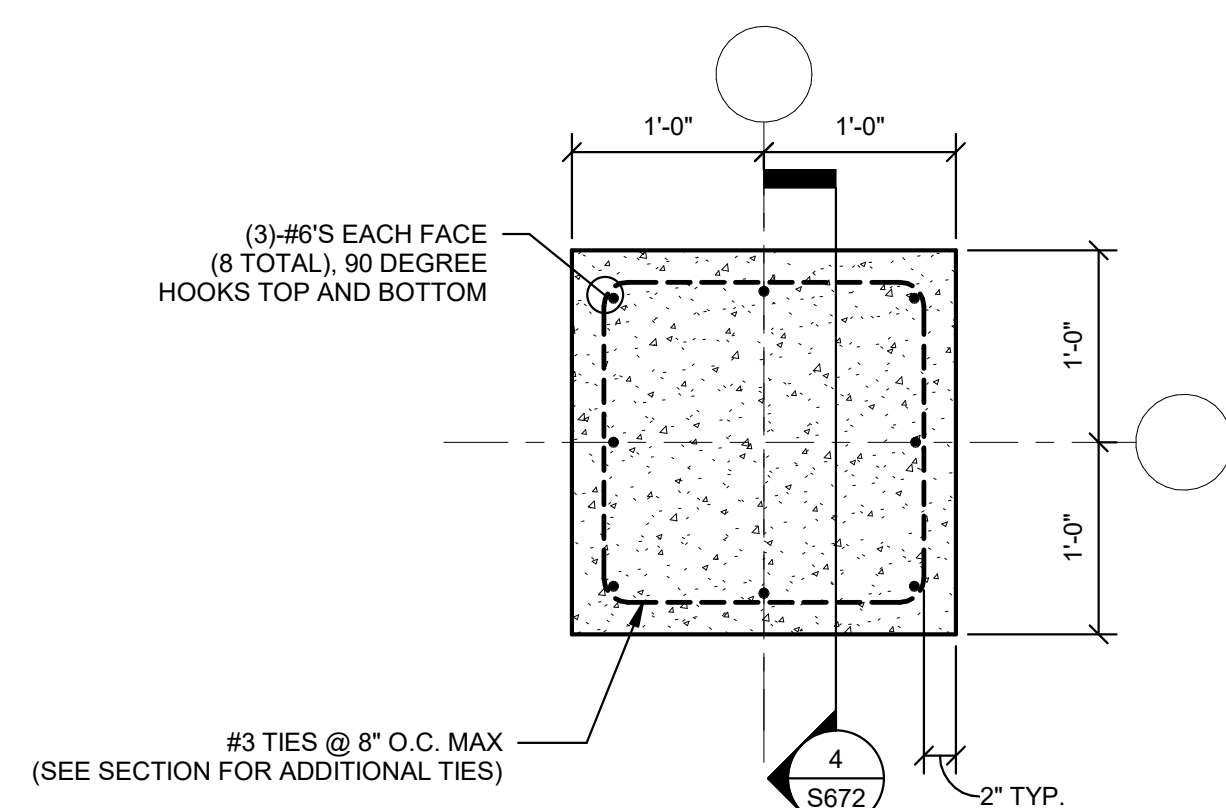
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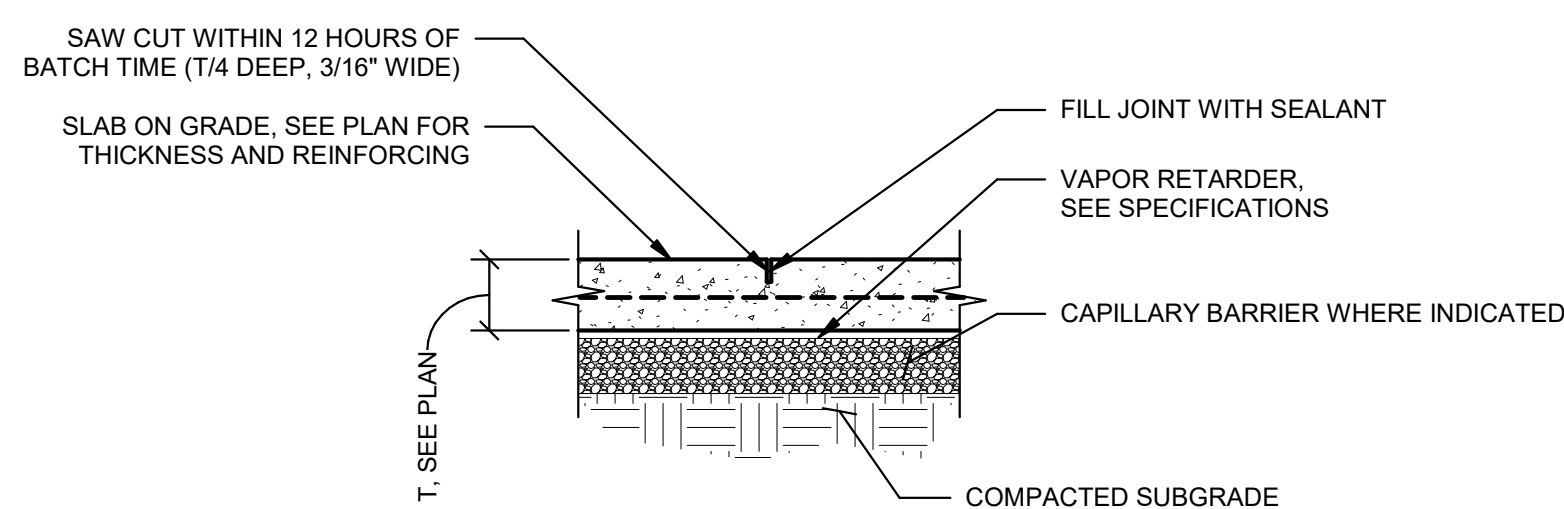
FOUNDATION AND SLAB PLANS

S101

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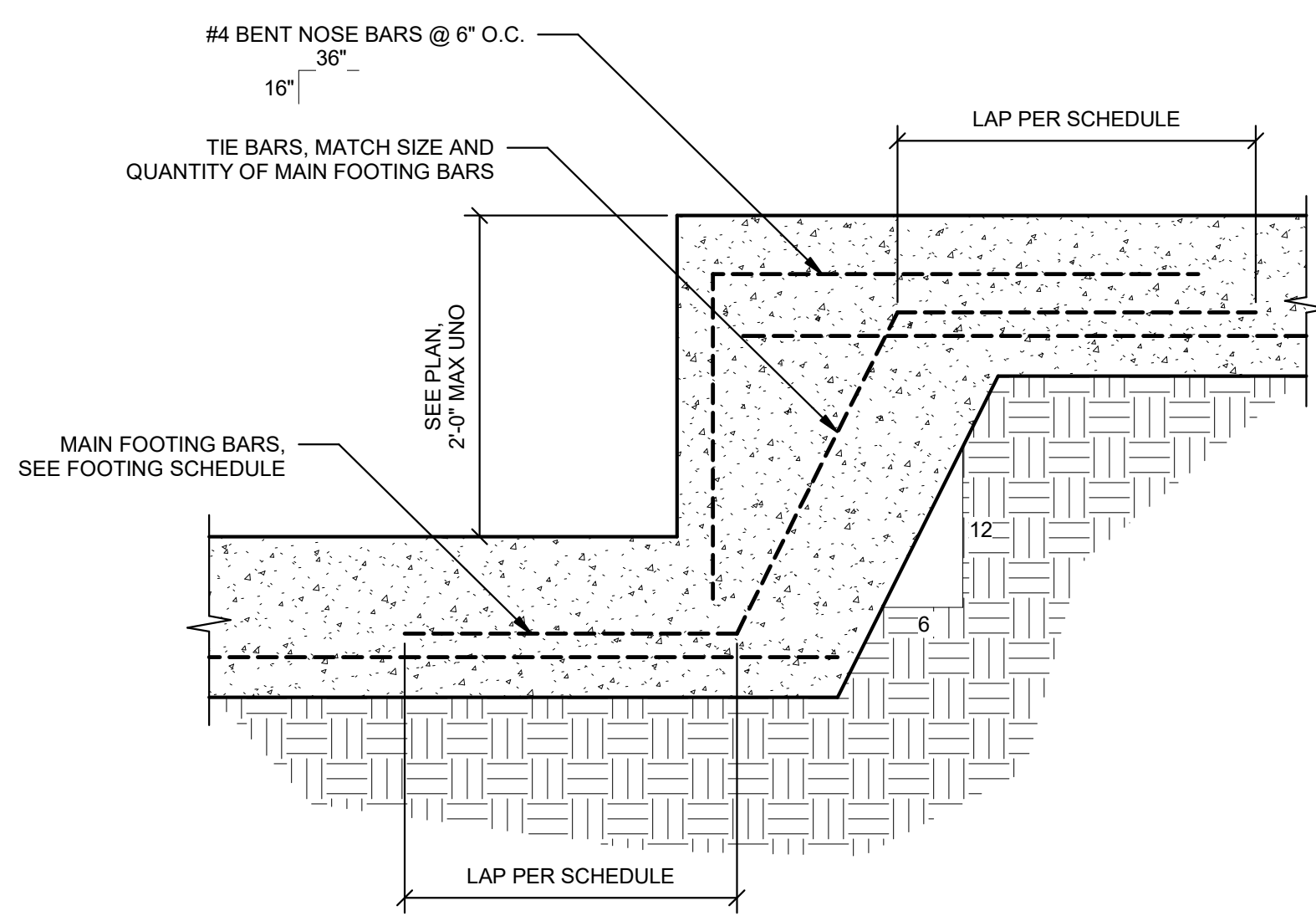


7 TYP. "P1" PEDESTAL
1" = 1'-0"



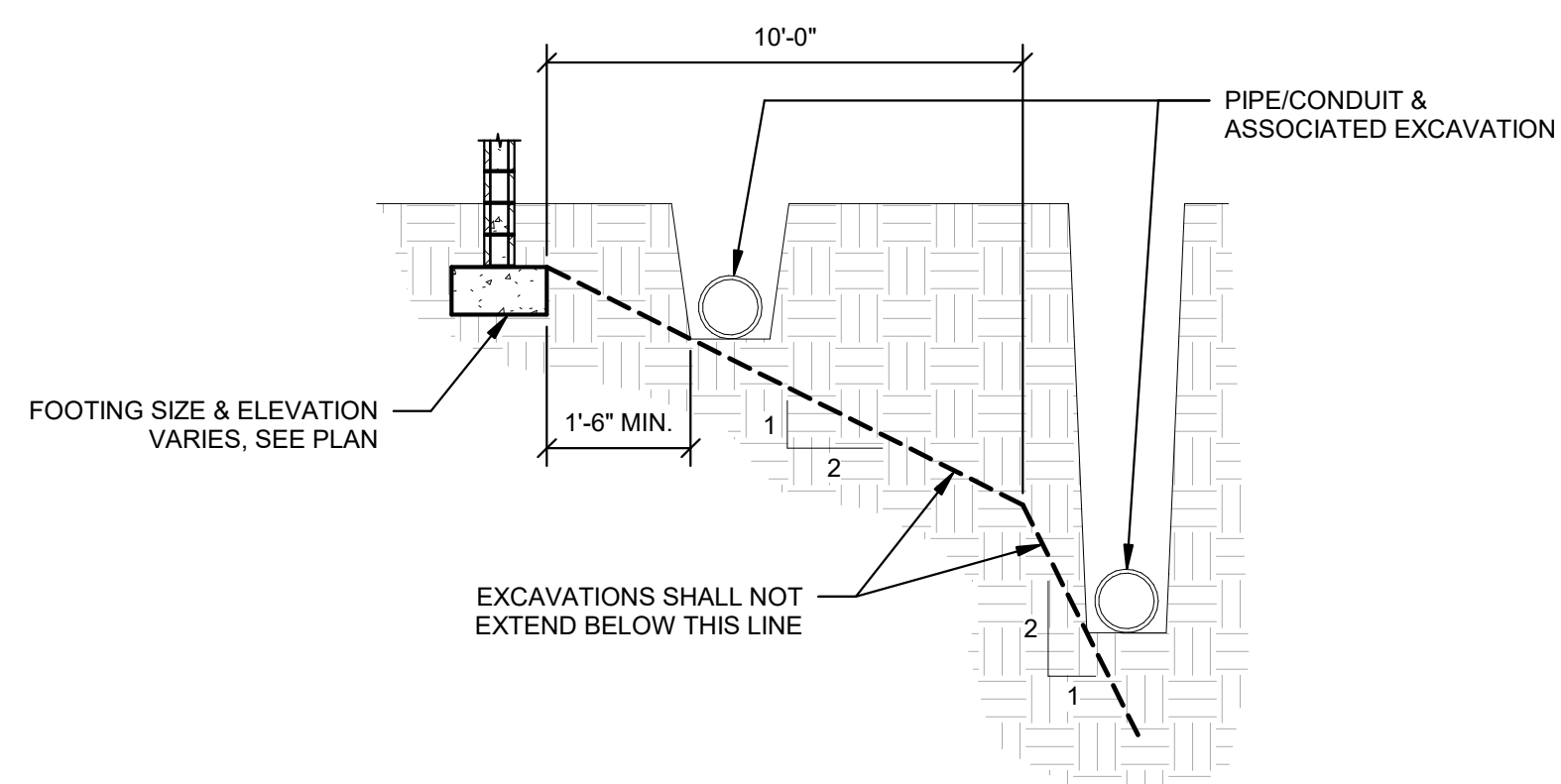
- NOTES:**
1. PROVIDE JOINTS AS INDICATED ON PLANS
 2. PROVIDE JOINTS SO THAT NO ONE SIDE OF A JOINTED SLAB SEGMENT IS MORE THAN 1-1/2 TIMES THE PERPENDICULAR SIDE
 3. PROVIDE JOINTS AT ALL RE-ENTRANT CORNERS
 4. PROVIDE JOINTS WHERE SLAB EXTEND THROUGH DOORWAY OF CMU WALL CONSTRUCTION THAT EXTENDS TO FOUNDATION BELOW
 5. AT CONTRACTOR'S OPTION JOINTS MAY BE HAND TOOLED

6 TYP. SLAB-ON-GRADE CONTROL JOINT (CJ)
1" = 1'-0"

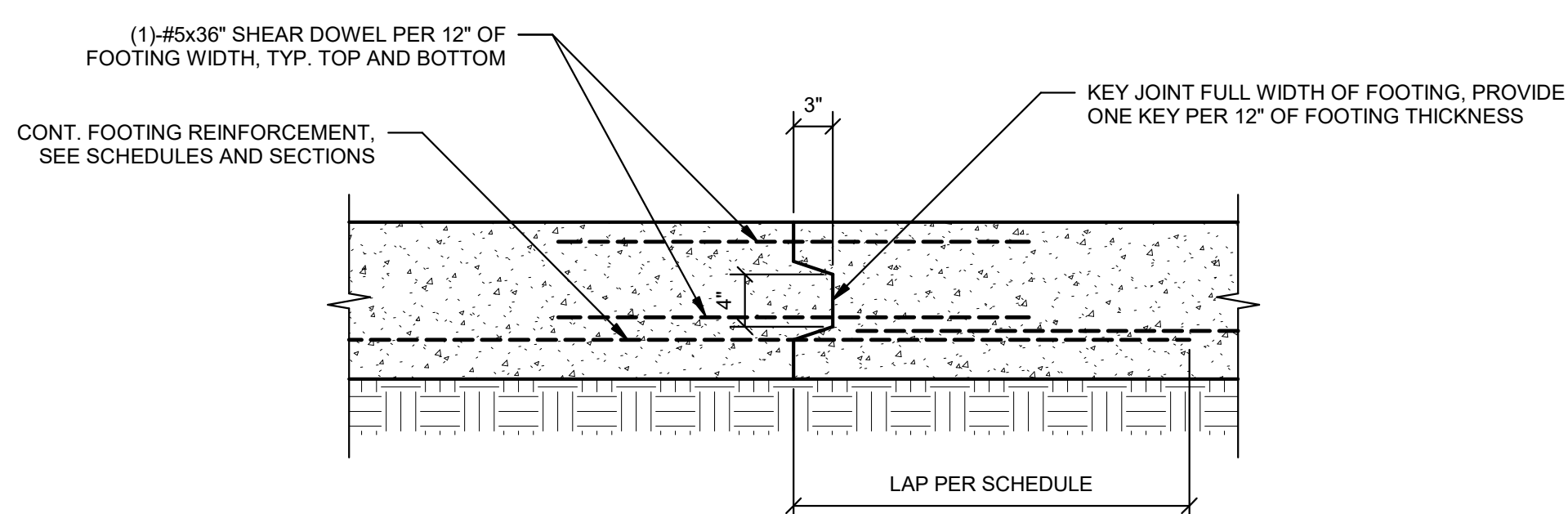


- GENERAL NOTES:**
1. PROVIDE STEP FOOTINGS AT ALL LOCATIONS INDICATED ON PLAN
 2. PROVIDE STEP FOOTINGS AS REQUIRED TO AVOID PIPING AND OTHER MISC. MECHANICAL ITEMS
 3. DO NOT STEP GRADE BEAM OR TIE BEAM FOOTING WITHOUT APPROVAL FROM ENGINEER

5 TYP. STEP FOOTING
1" = 1'-0"

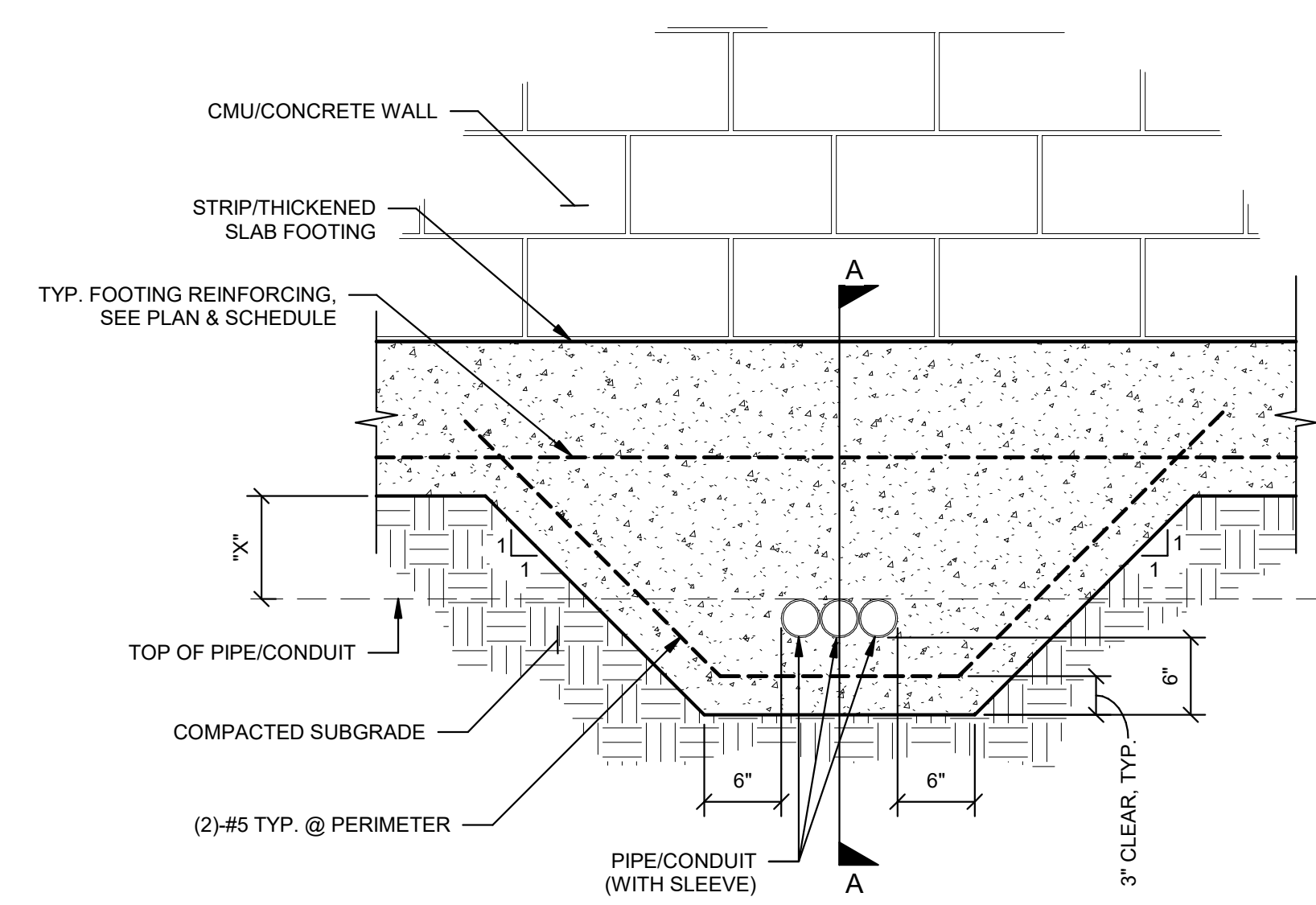
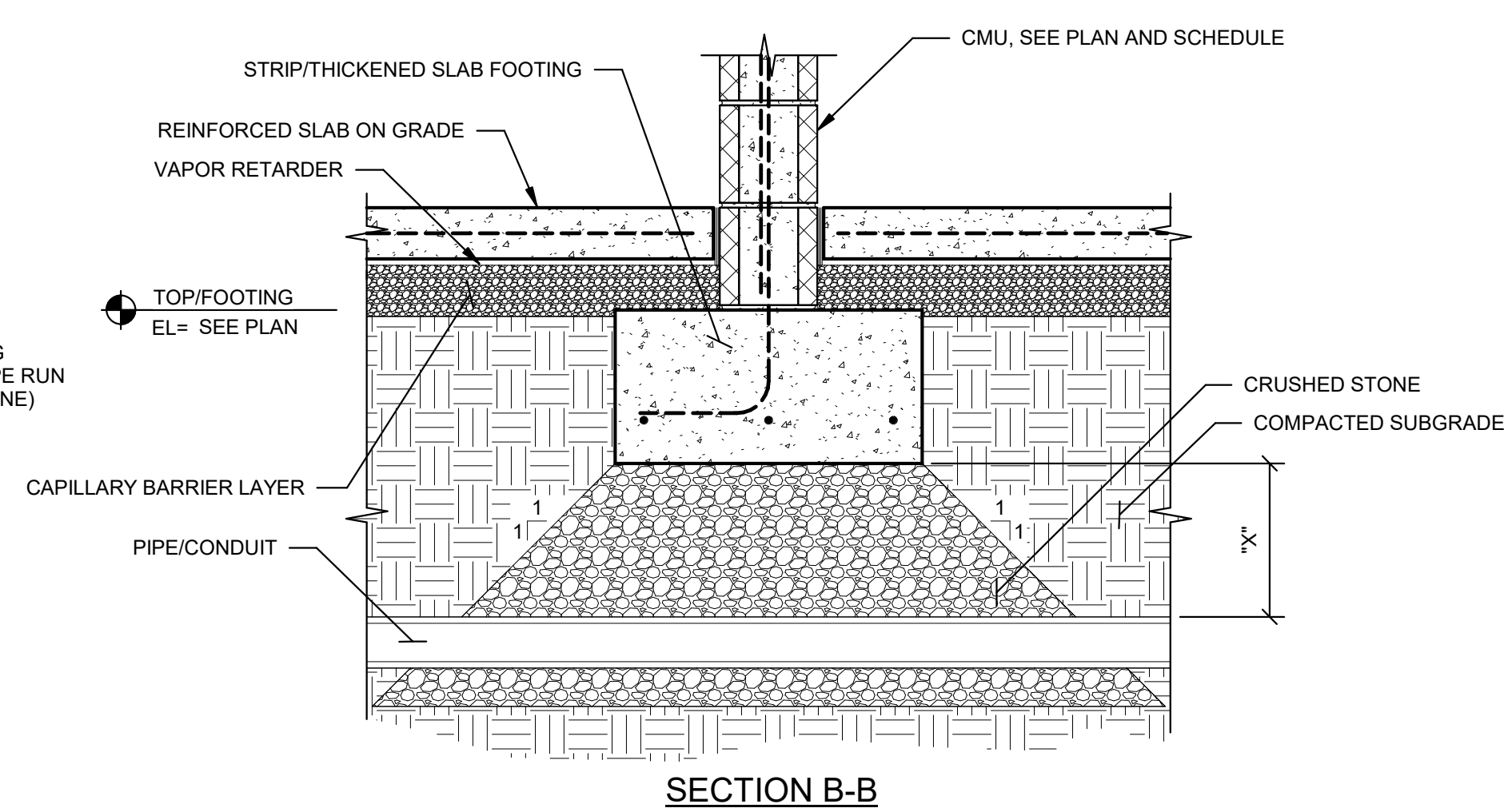
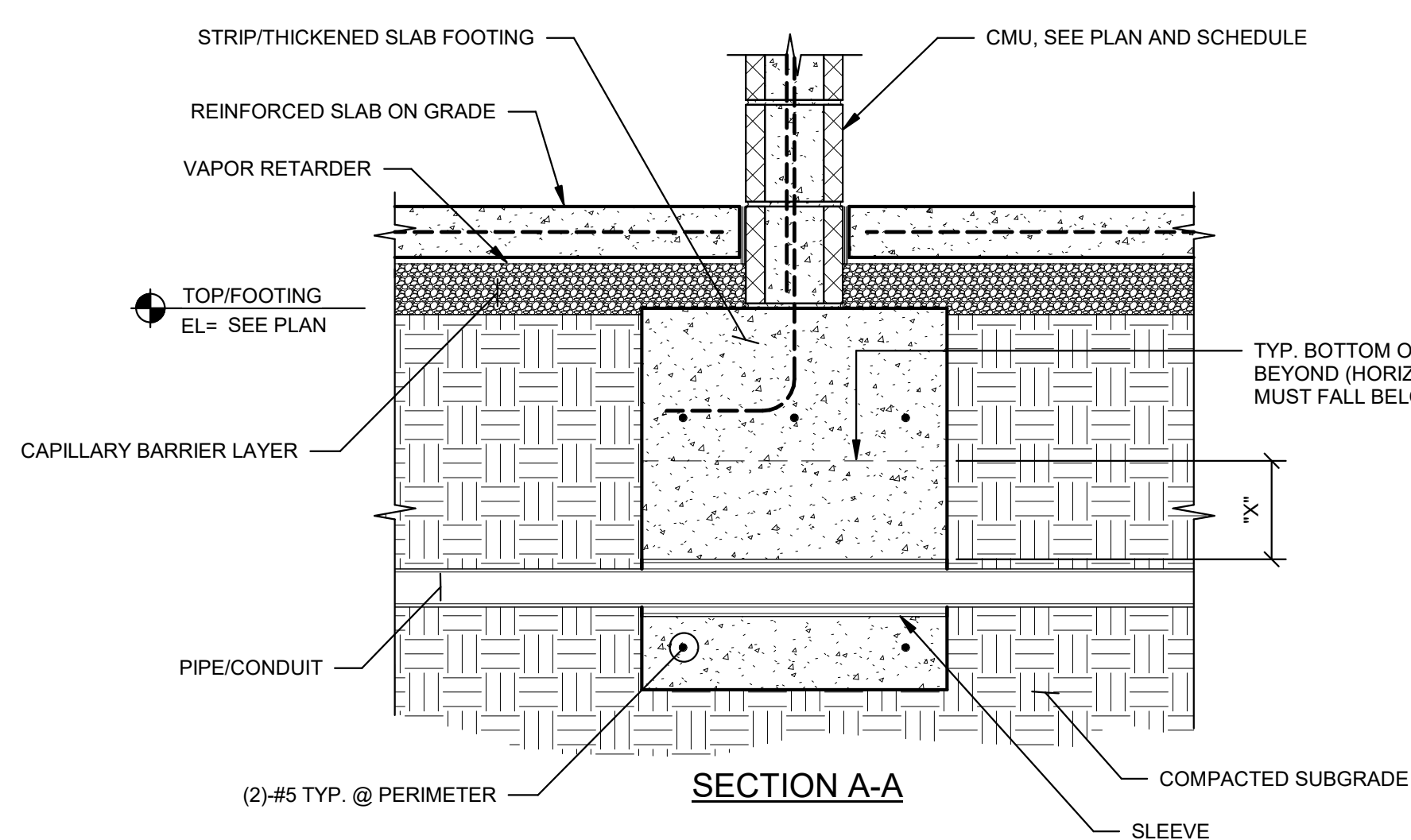


4 TYP. EXCAVATION LIMITS PARALLEL TO FOOTINGS
1/4" = 1'-0"



- NOTES:**
1. DO NOT LOCATE CONSTRUCTION JOINTS IN COLUMN FOOTINGS OR ENLARGED SECTIONS OF CONTINUOUS STRIP FOOTINGS.
 2. EXTEND REINFORCING FROM FIRST POUR THRU BULKHEAD ADEQUATE DISTANCE TO ENSURE A CLASS "B" SPLICE WITH REINFORCING FOR SECOND POUR.

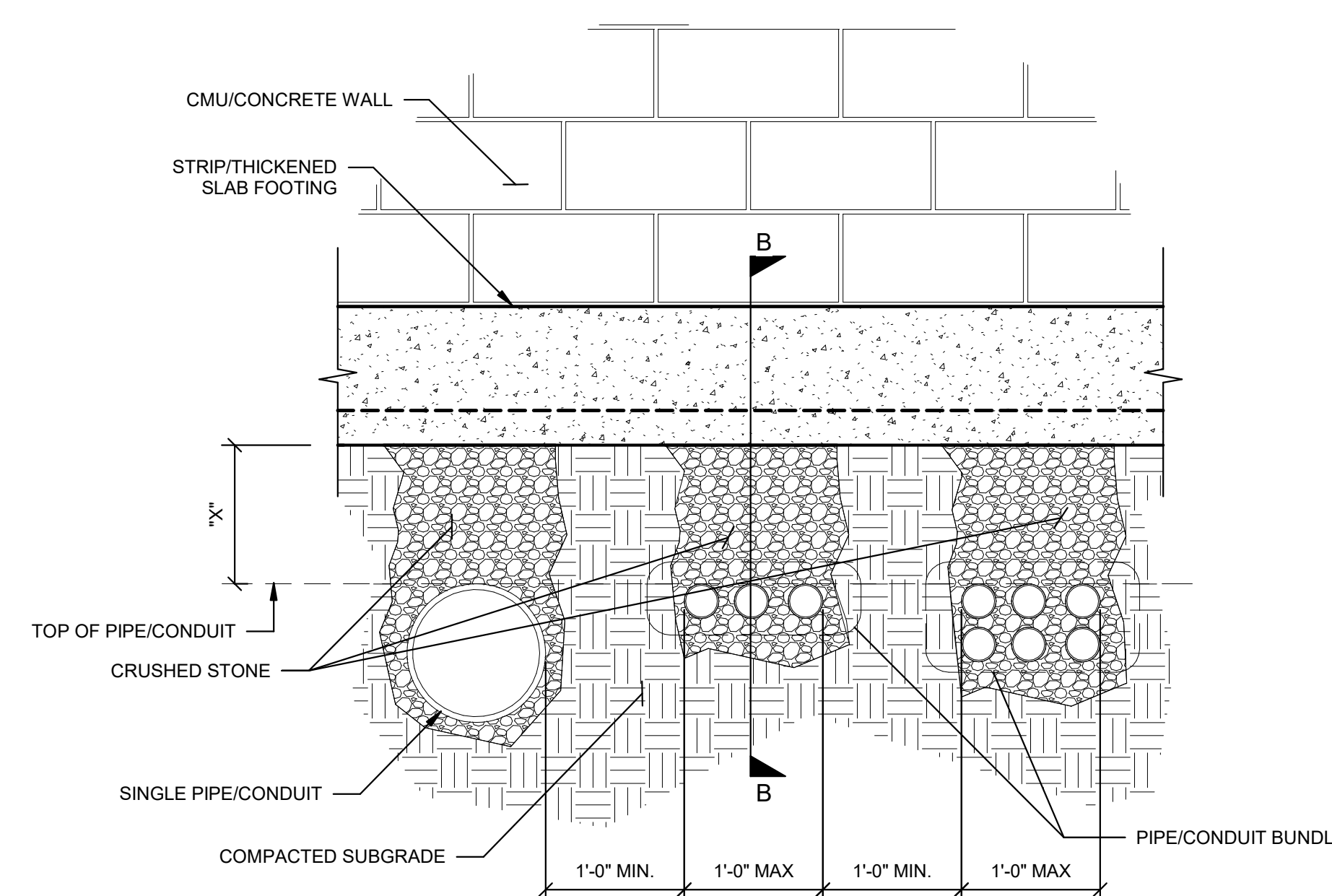
3 TYP. FOOTING CONSTRUCTION JOINT
1" = 1'-0"



CASE 1
(0'-0" < "X" ≤ 1'-0")

- NOTES:**
1. TOP OF FOOTING VARIES, COORDINATE WITH PLANS
 2. IN NO CASE SHALL HORIZONTAL RUN OF PIPE/CONDUIT (INCLUDING ELBOWS) ENCOACH WITHIN LIMITS OF REQUIRED FOOTING SIZE. IF SUCH A CASE ARISES, FOOTINGS SHALL BE DROPPED BELOW PIPE/CONDUIT (SEE ADDITIONAL TYPICAL DETAILS FOR STEPPED FOOTING REQUIREMENTS AND PIPE/CONDUIT WALL PENETRATIONS)
 3. PIPE/CONDUIT SHALL NOT BE PERMITTED BELOW SPREAD FOOTINGS

1 TYP. PIPE/CONDUIT BELOW STRIP/THICKENED SLAB FOOTING
1" = 1'-0"



CASE 2
(1'-0" < "X" < 2'-0")

2 TYP. CONCRETE LAP SPLICE SCHEDULE
1" = 1'-0"

LAP SPLICE LENGTHS (FOUNDATIONS AND SLABS)				
BAR SIZE	3000 PSI	4000 PSI	5000 PSI	6000 PSI
#3	2'-4"	2'-1"	1'-10"	1'-8"
#4	3'-2"	2'-9"	2'-5"	2'-3"
#5	3'-11"	3'-5"	3'-0"	2'-9"
#6	4'-8"	4'-1"	3'-8"	3'-4"
#7	6'-9"	5'-11"	5'-3"	4'-10"
#8	7'-9"	6'-11"	6'-0"	5'-6"
#9	8'-10"	7'-7"	6'-9"	6'-2"
#10	9'-8"	8'-6"	7'-8"	7'-0"
#11	10'-11"	9'-6"	8'-6"	7'-9"
#14	13'-1"	11'-4"	10'-2"	9'-3"

LAP SPLICE LENGTHS (COLUMNS AND WALLS)				
BAR SIZE	3000 PSI	4000 PSI	5000 PSI	6000 PSI
#3	1'-10"	1'-7"	1'-5"	1'-4"
#4	2'-6"	2'-1"	1'-11"	1'-9"
#5	3'-1"	2'-7"	2'-4"	2'-2"
#6	3'-8"	3'-1"	2'-10"	2'-5"
#7	5'-3"	4'-6"	4'-1"	3'-9"
#8	6'-0"	5'-2"	4'-9"	4'-3"
#9	6'-10"	5'-10"	5'-3"	4'-9"
#10	8'-6"	6'-7"	5'-11"	5'-4"
#11	9'-5"	8'-3"	6'-6"	6'-0"
#14	10'-1"	8'-9"	7'-10"	7'-2"

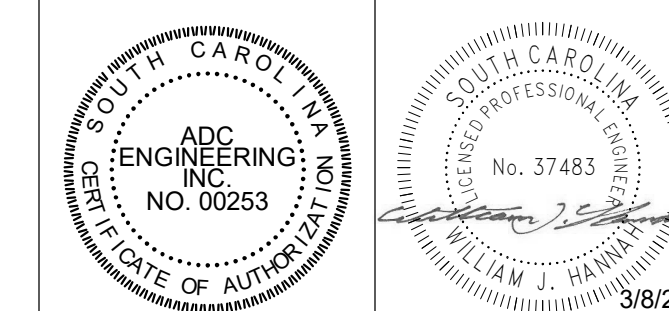
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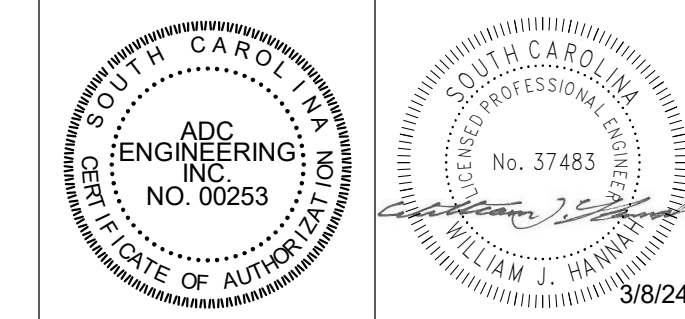
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TYPICAL CONCRETE DETAILS

S601

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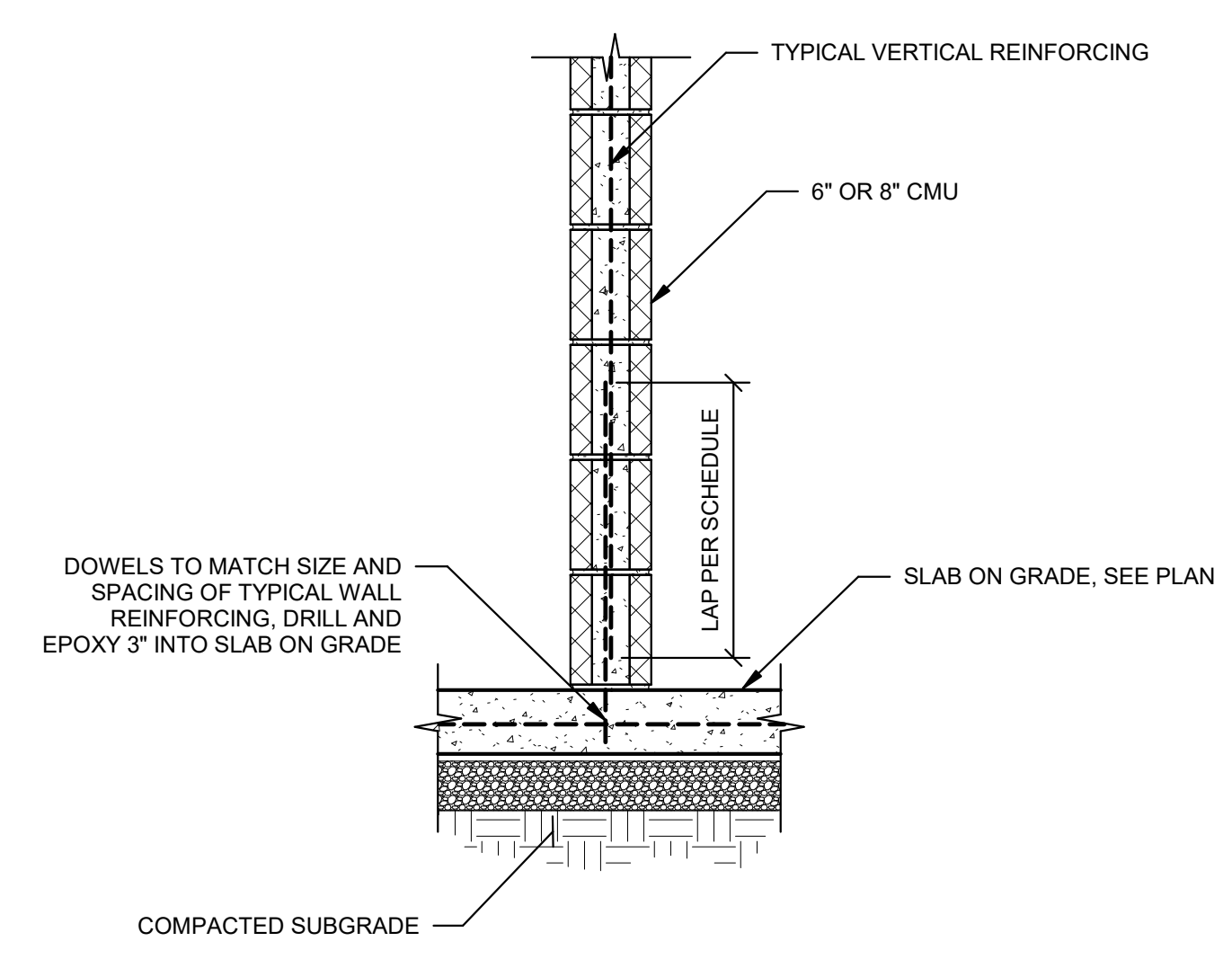
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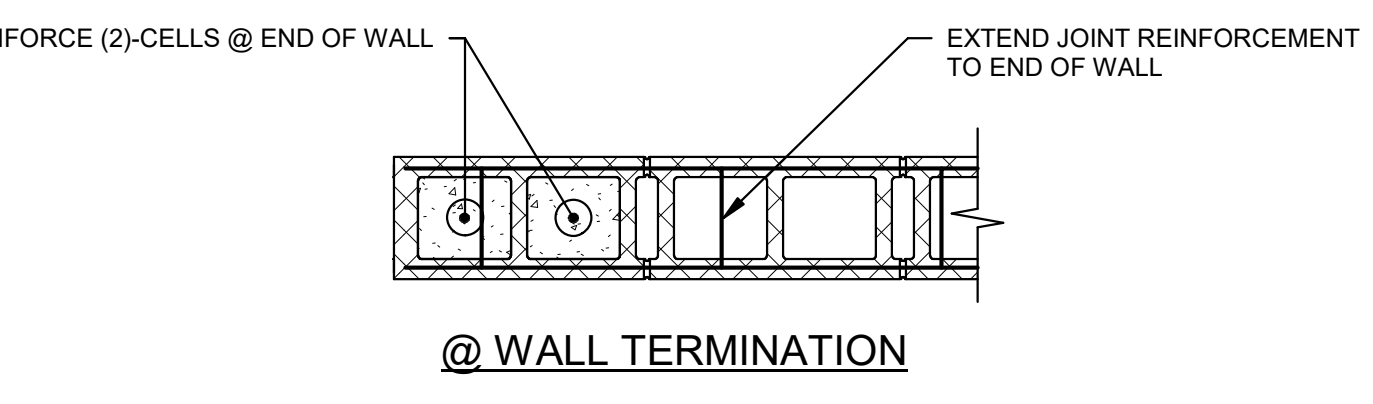
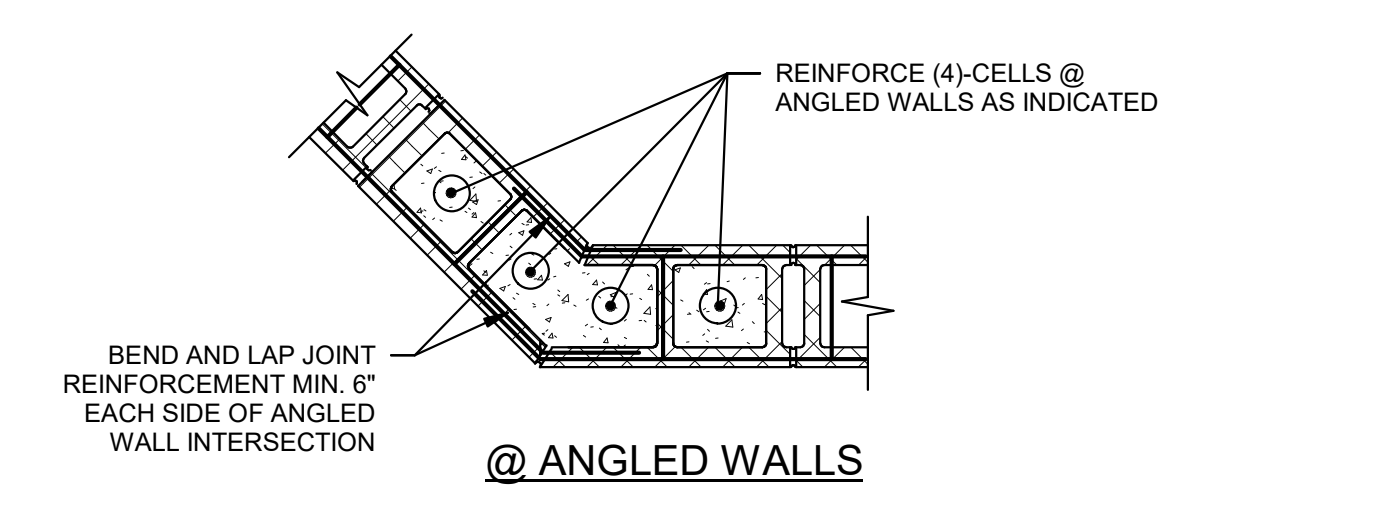
TYPICAL MASONRY DETAILS

S611



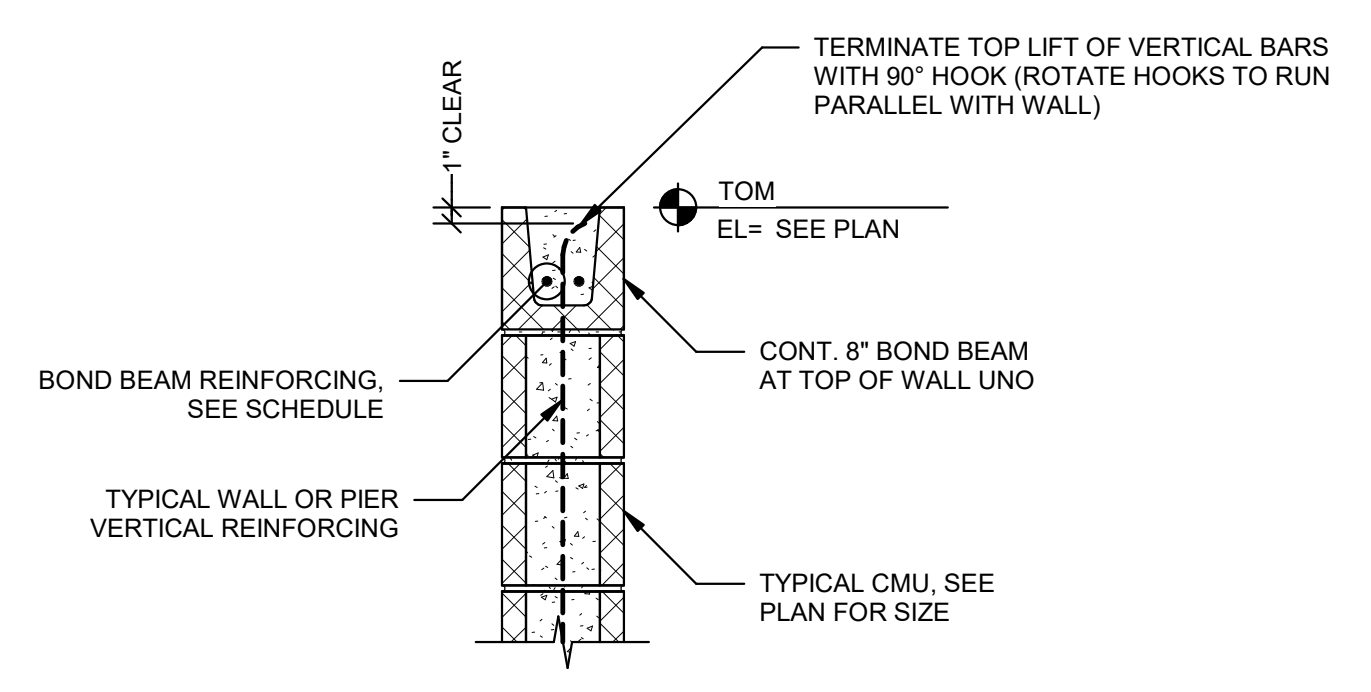
NOTES:
 1. DETAIL IS TYPICAL WHERE 6" OR 8" WALL IS SPECIFICALLY INDICATED TO BEAR AT SLAB LEVEL

3 TYP. CMU @ SLAB ON GRADE
 1" = 1'-0"



NOTES:
 1. COORDINATE THESE TYPICAL DETAILS WITH SPECIFIC PIER DETAILS
 2. SEE SCHEDULES AND SECTIONS FOR TYPICAL CMU WALL VERTICAL REINFORCING
 3. SEE SPECIFICATIONS AND GENERAL NOTES FOR REBAR POSITIONER REQUIREMENTS

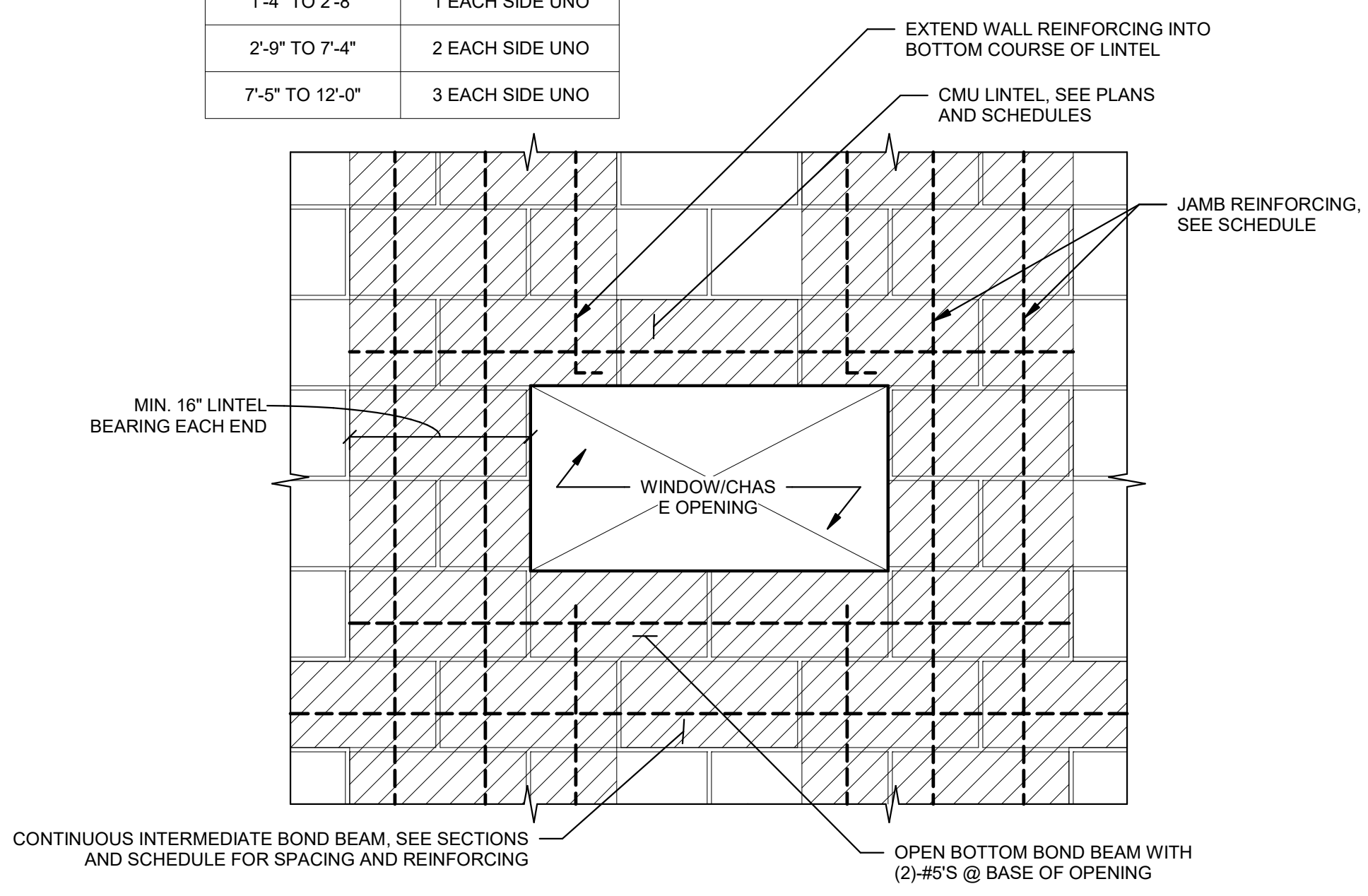
5 TYP. CMU VERTICAL REINFORCING
 1" = 1'-0"



2 TYP. TOP OF WALL BOND BEAM
 1" = 1'-0"

JAMB BAR SCHEDULE

OPENING WIDTH	# OF BARS AT EACH SIDE OF OPENING
1'-4" TO 2'-8"	1 EACH SIDE UNO
2'-9" TO 7'-4"	2 EACH SIDE UNO
7'-5" TO 12'-0"	3 EACH SIDE UNO

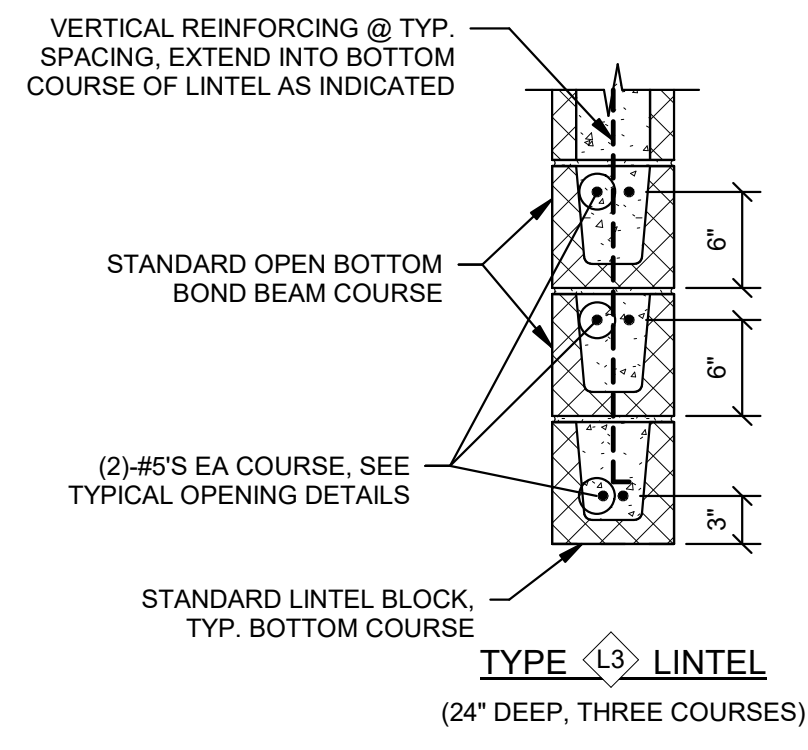
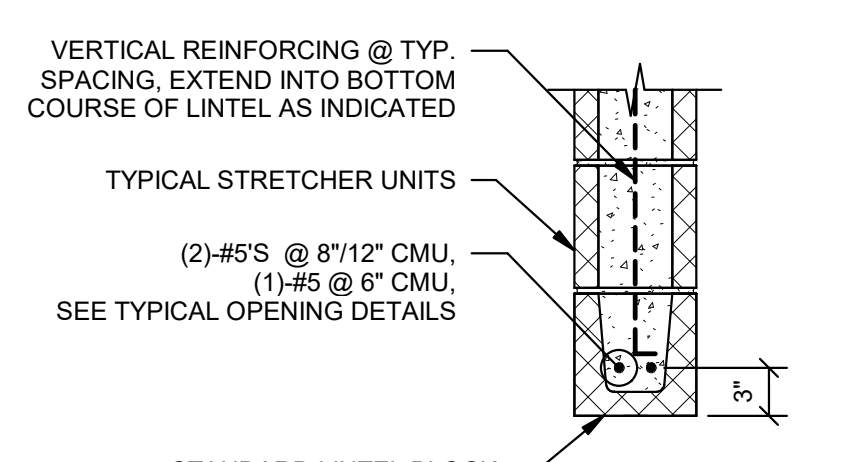


NOTES:
 1. JAMB BAR SIZE SHALL MATCH TYPICAL ADJACENT WALL REINFORCING SIZE
 2. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. VERTICALLY AND FIRST COURSE ABOVE AND BELOW OPENING, EXTEND MIN. OF 24" PAST OPENING
 3. LINTELS SHALL BE CONSTRUCTED OF STANDARD "U" SHAPED UNITS (NOT BOND BEAM UNITS)
 4. JAMB REINFORCING SHALL BE CONTINUOUS FROM FOOTING, GIRT, OR DIAPHRAGM LEVEL BELOW TO DIAPHRAGM LEVEL, GIRT OR TOP OF WALL ABOVE
 5. DETAIL IS TYPICAL ALL OPENINGS GREATER THAN 1'-0" WIDE
 6. COORDINATE JAMB BARS WITH SPECIFIC CMU PIER DETAILS WHERE INDICATED

7 TYP. CMU CONSTRUCTION (@ OPENING)
 1" = 1'-0"

ALLOWABLE LINTEL SPANS

LINTEL TYPE	ALLOWABLE SPAN (NOTE #1)
L1	< 2'-0"
L2	2'-0" TO 4'-0"



GENERAL NOTES:
 1. SUPPORT LINTEL BARS ON HORIZONTAL REBAR POSITIONERS @ 16" O.C. MAX TO ACHIEVE PROPER LOCATION
 2. PROVIDE ADDITIONAL BARS, WIRE TIES, ETC. AS REQUIRED TO ENSURE LINTEL BARS ARE NOT DISPLACED DURING GROUTING OPERATIONS
 3. ALL VERTICAL REINFORCING SHALL EXTEND INTO BOTTOM COURSE OF LINTEL AS SHOWN
 4. ALL COURSES OF LINTELS SHALL BE GROUTED AT THE SAME TIME WITHOUT COLD JOINTS PRESENT BETWEEN THE COURSES.
 5. SEE 6/S611 AND 7/S611 FOR TYPICAL CMU OPENING CONSTRUCTION.
 6. WHERE LINTEL IS NOTED AS "CONT." IT IS CONTINUOUS ACROSS ADJACENT OPENINGS.
 7. WHERE LINTEL IS NOTED AS "ABOVE" IT REFERS TO A SECOND LINTEL ABOVE A HIGHER OPENING.
 8. DO NOT LOCATE LINTEL WITHIN 8" FROM END OF BEAM BEARING PLATE OR 1'-4" EACH SIDE OF CENTERLINE OF BEAM BEARING ABOVE UNO.
 9. PROVIDE MIN. 1'-4" CLEAR BETWEEN ADJACENT OPENINGS UNO.
 10. TOP OF MECHANICAL OPENINGS NOTED BELOW SECOND FLOOR CONSTRUCTION SHALL NOT BE HIGHER THAN 12'-0" ABOVE FIRST FLOOR FINISHED FLOOR UNO.
 11. TOP OF MECHANICAL OPENINGS NOTED BELOW ROOF JOIST BEARING SHALL BE A MINIMUM OF 2'-0" BELOW JOIST BEARING ELEVATION UNO.

KEYED NOTES:
 1. ALLOWABLE SPANS ARE FOR MISCELLANEOUS OPENINGS NOT SPECIFICALLY INDICATED ON PLAN.
 1.1 TYPE "L1" LINTELS SHALL BE LOCATED A MINIMUM OF (3)-COURSES BELOW FLOOR ELEVATION OR ROOF JOIST BEARING ELEVATION.
 1.2 TYPE "L2" LINTELS SHALL BE LOCATED A MINIMUM OF 3'-4" BELOW FLOOR ELEVATION OR ROOF JOIST BEARING ELEVATION.

4 TYP. CMU LINTEL
 1" = 1'-0"

CMU WALL LAP SPlice LENGTHS

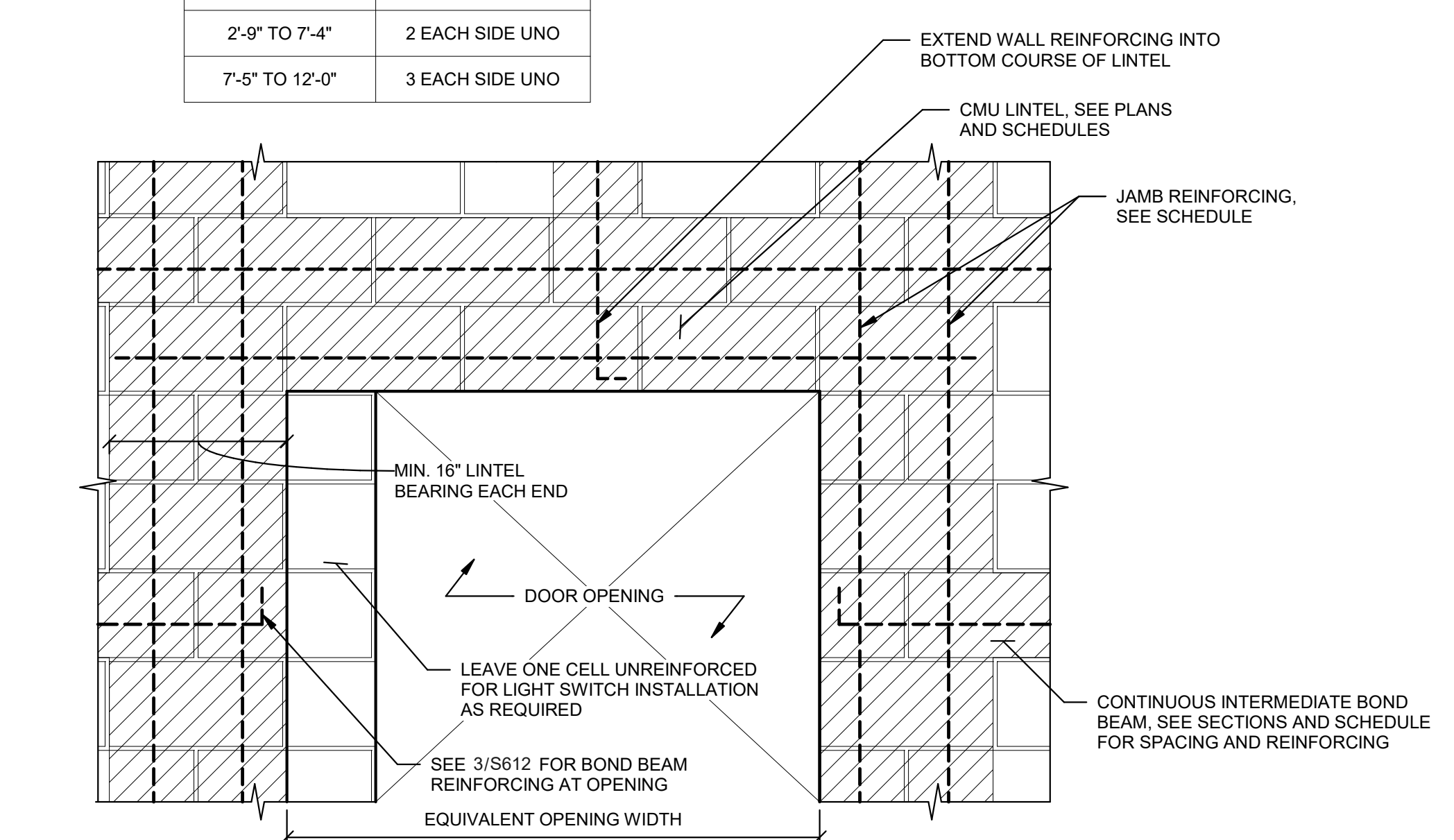
BAR SIZE	(1)-BAR PER CELL		(2)-BARS PER CELL
	6" CMU	8"/12" CMU	8"/12" CMU
#3	1'-0"	1'-0"	1'-5"
#4	1'-10"	1'-3"	2'-6"
#5	2'-11"	2'-0"	3'-10"
#6	N/A	3'-8"	4'-6"
#7	N/A	5'-1"	5'-3"
#8	N/A	6'-0"	6'-0"

NOTES:
 1. WHERE (2)-BARS ARE PROVIDED IN EACH CELL, PROVIDE 1" MIN. CLEAR COVER BETWEEN BAR AND INSIDE FACE OF CMU
 2. MINIMUM CLEAR COVER FOR BARS RELATIVE TO FACE OF CMU WEBS SHALL BE 1/2"
 3. MINIMUM CLEAR SPACE BETWEEN BARS SHALL BE THE SMALLER OF 1" OR (1)-BAR DIAMETER

1 TYP. CMU LAP SPlice SCHEDULE
 1" = 1'-0"

JAMB BAR SCHEDULE

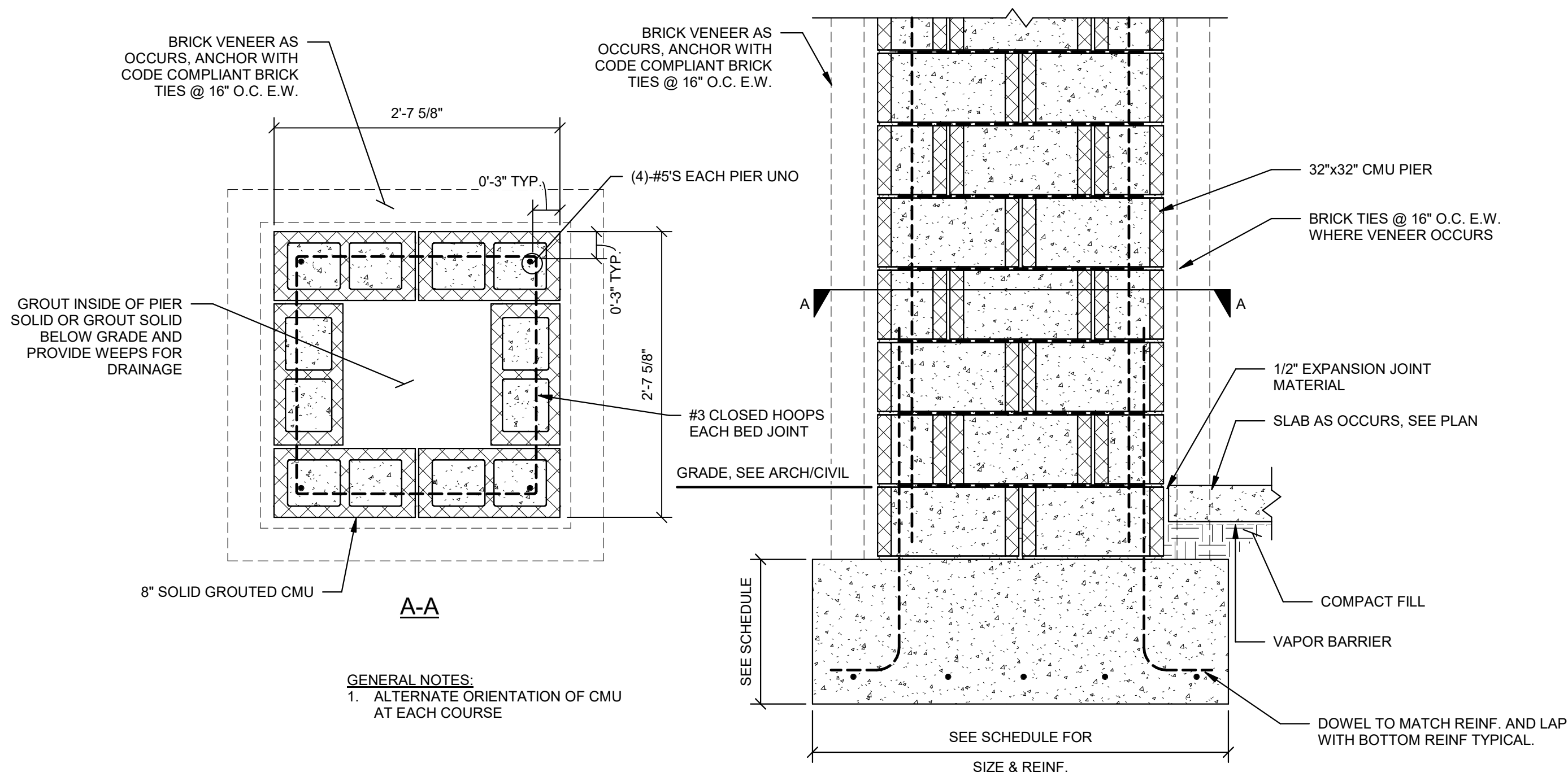
EQUIVALENT OPENING WIDTH	# OF BARS AT EACH SIDE OF OPENING
1'-4" TO 2'-8"	2 EACH SIDE UNO
2'-9" TO 7'-4"	2 EACH SIDE UNO
7'-5" TO 12'-0"	3 EACH SIDE UNO



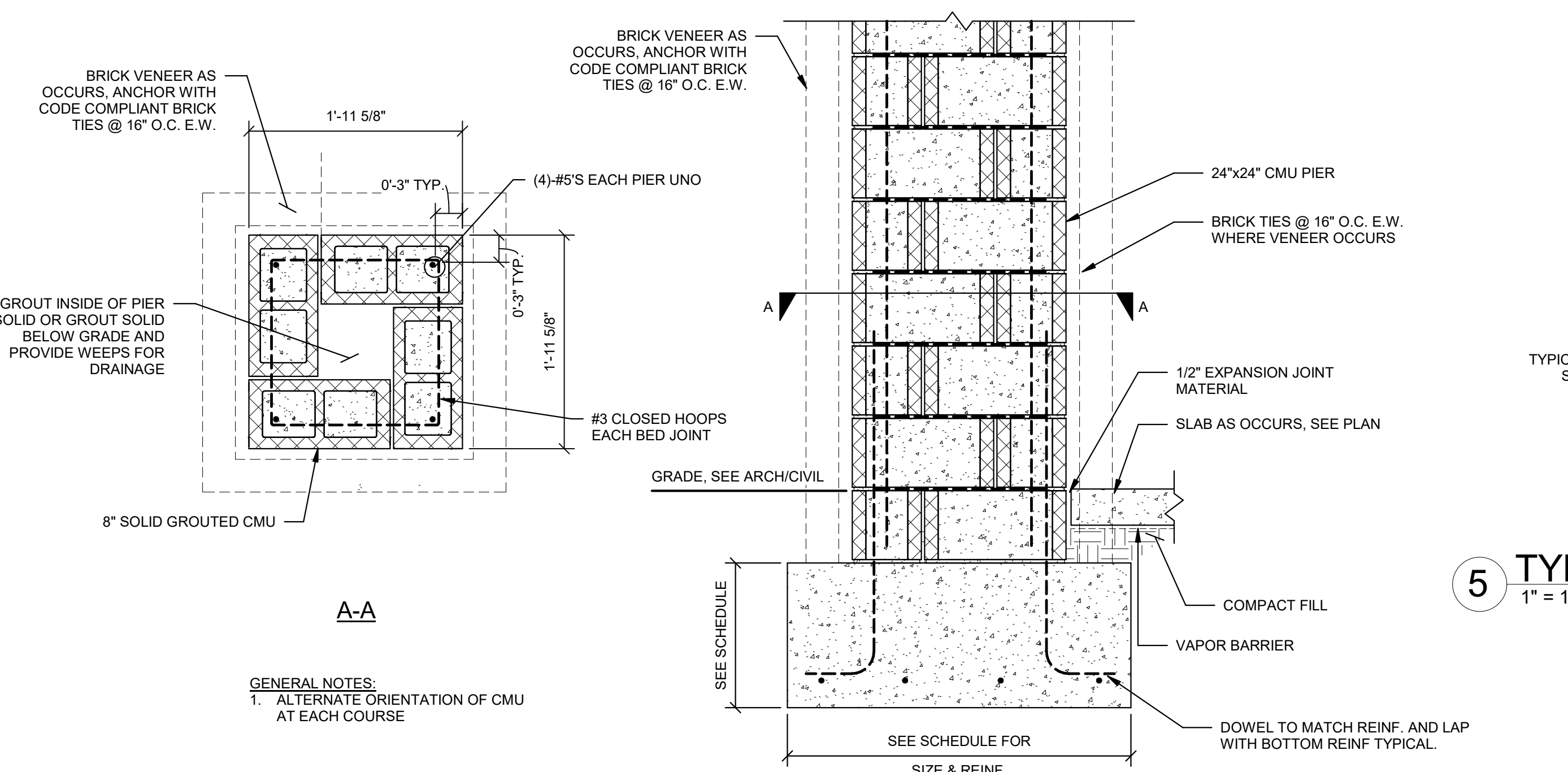
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 5. DETAIL IS TYPICAL ALL OPENINGS GREATER THAN 1'-0" WIDE
 6. COORDINATE JAMB BARS WITH SPECIFIC CMU PIER DETAILS WHERE INDICATED

6 TYP. CMU CONSTRUCTION (@ DOOR)
 1" = 1'-0"

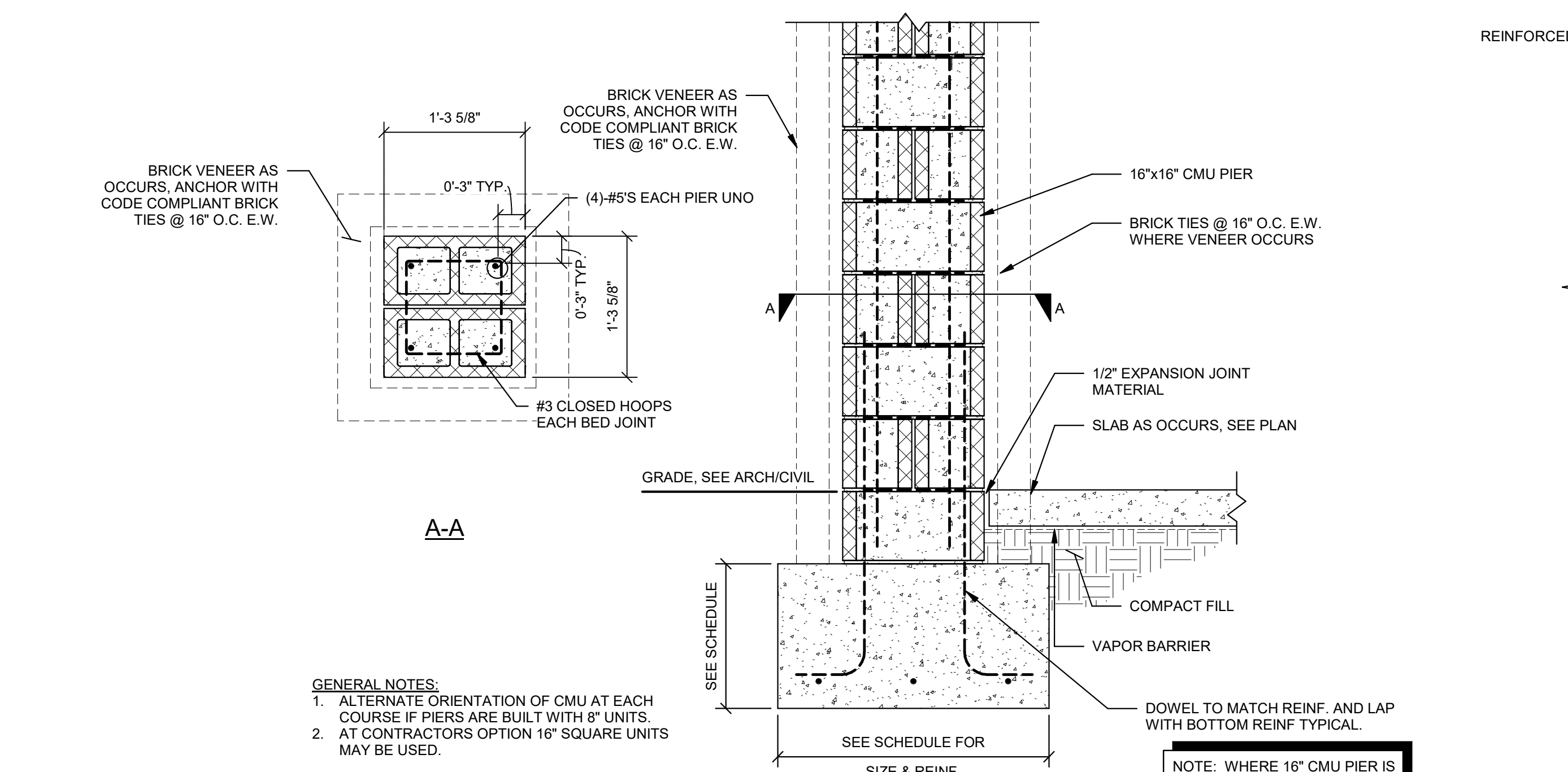
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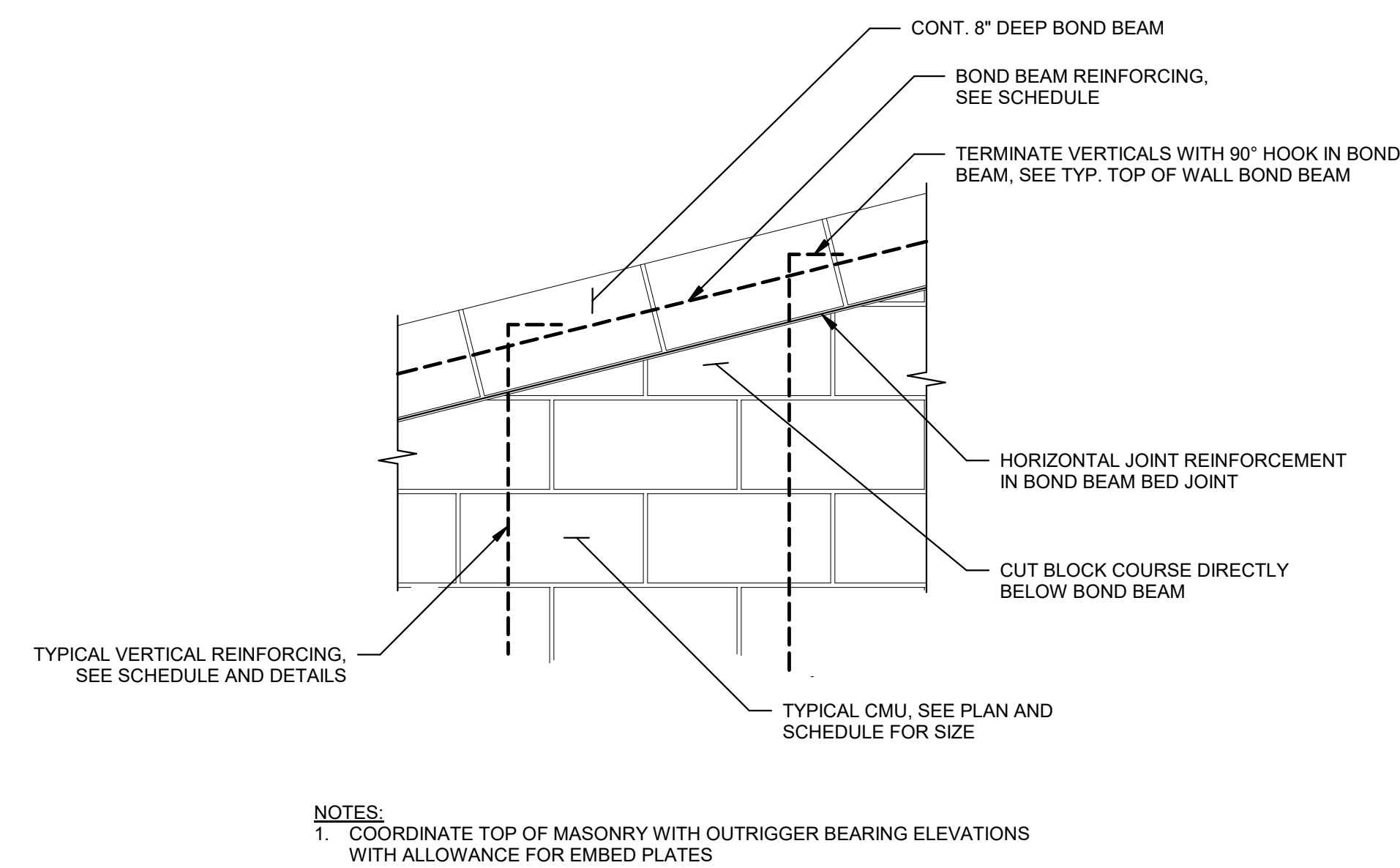
8 TYP. 32" SQUARE CMU PIER
1" = 1'-0"



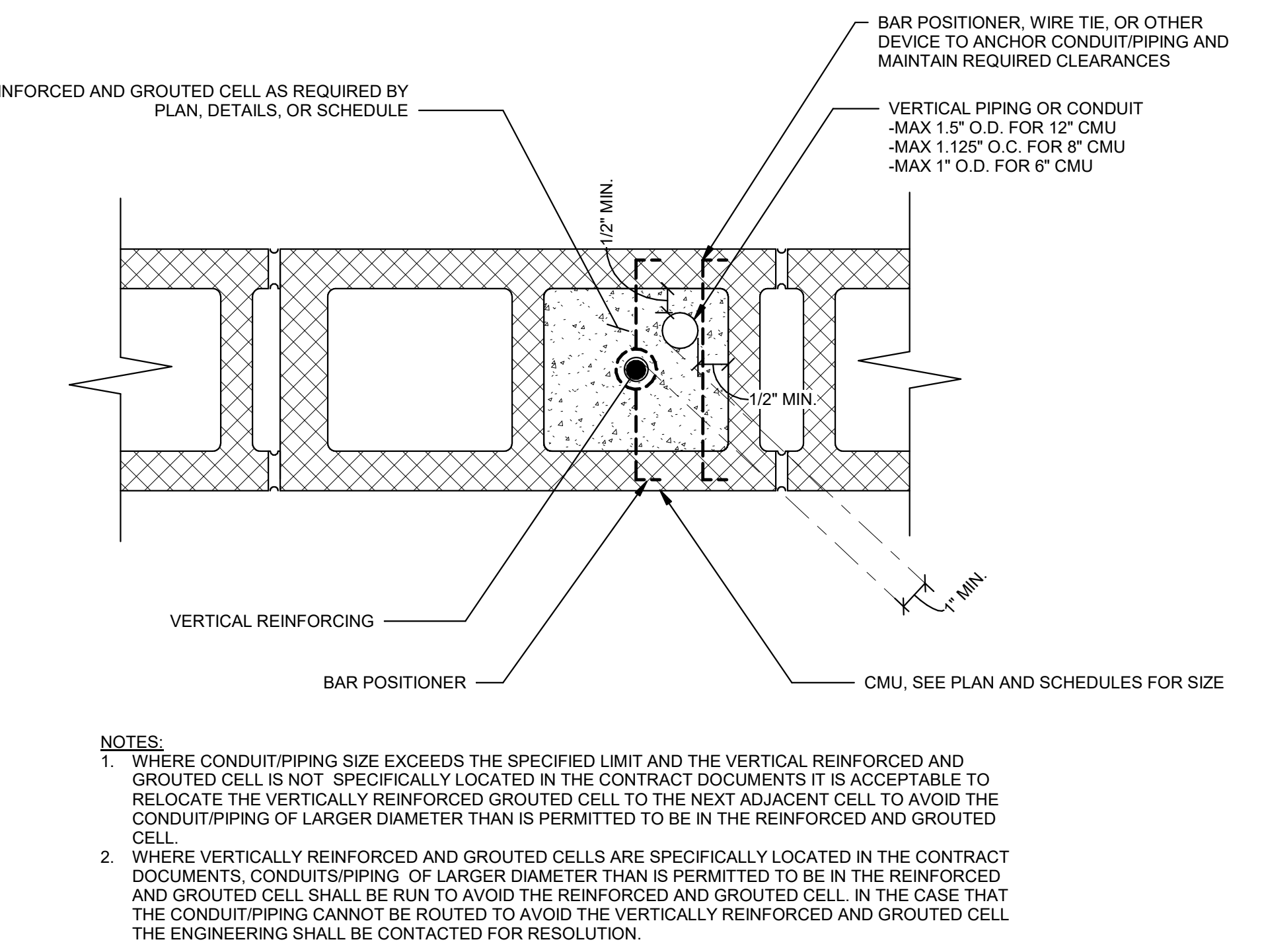
7 TYP. 24" SQUARE CMU PIER
1" = 1'-0"



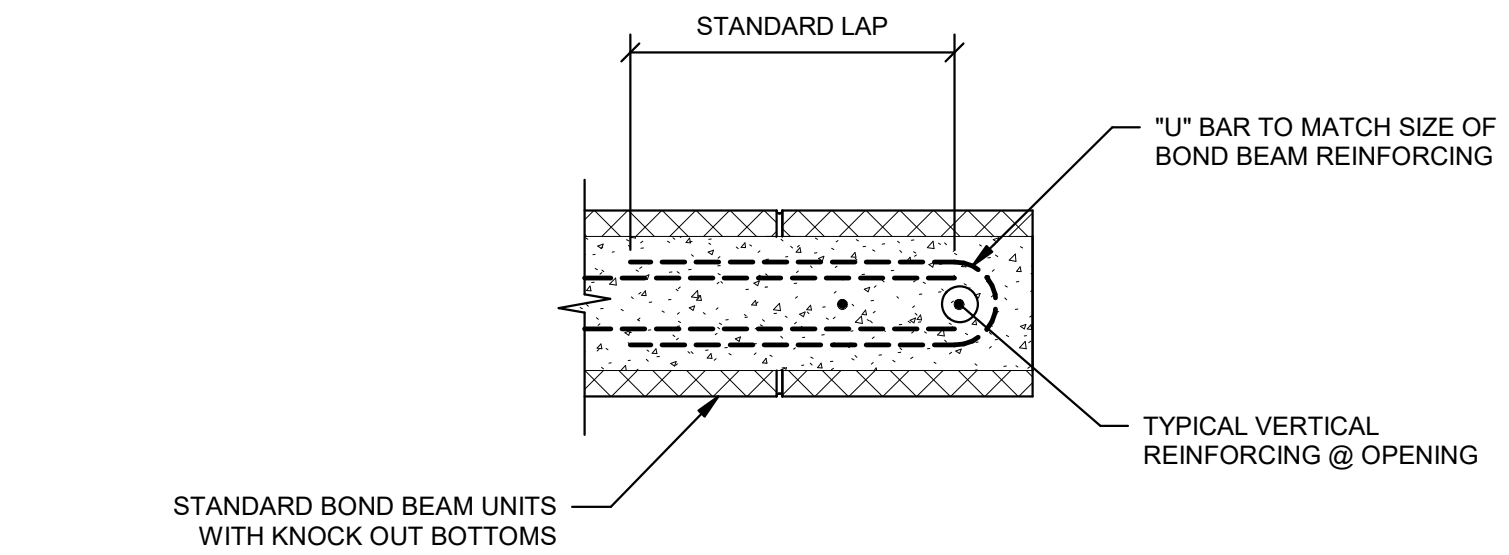
6 TYP. 16" SQUARE CMU PIER
1" = 1'-0"



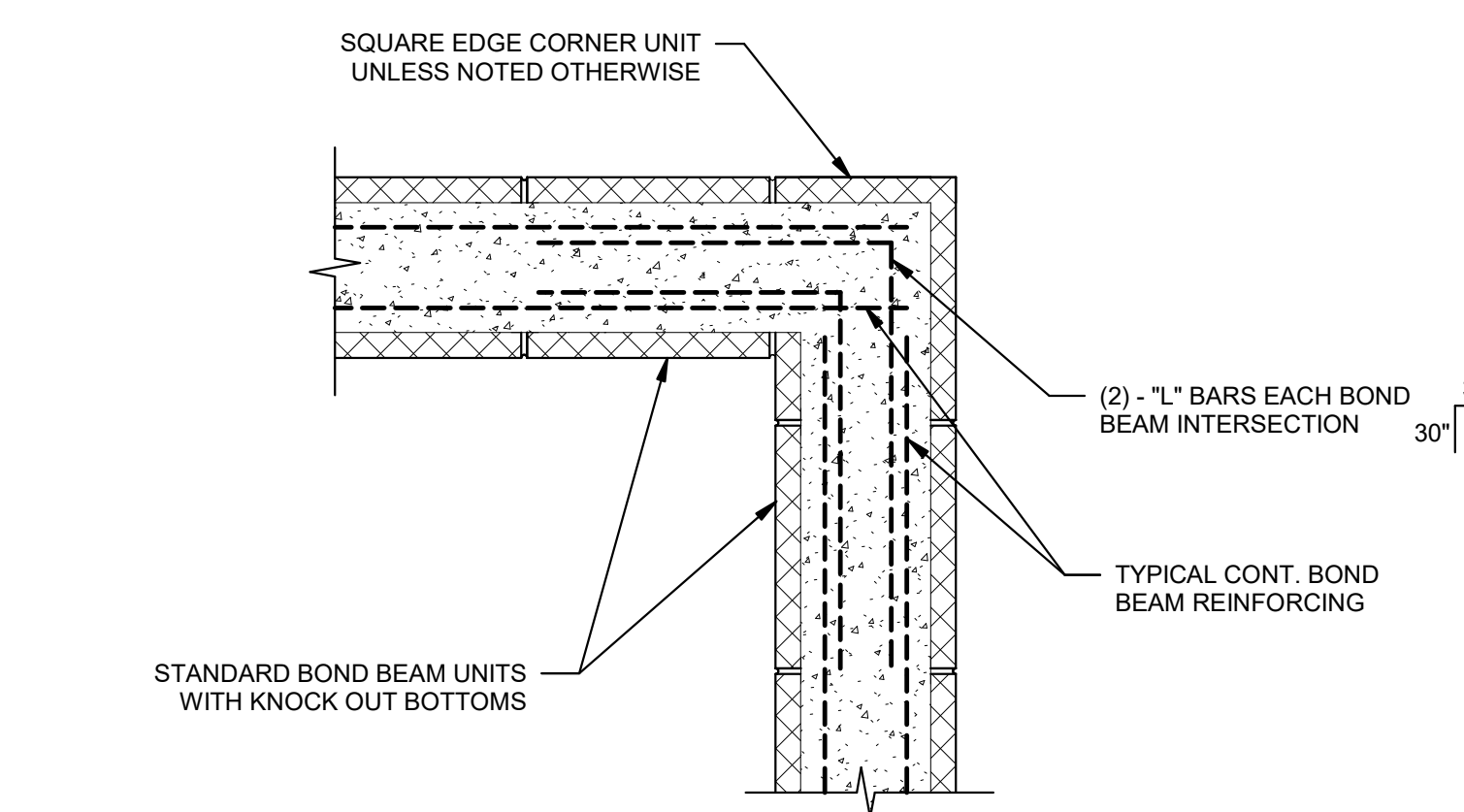
5 TYP. SLOPED TOP OF WALL BOND BEAM
1" = 1'-0"



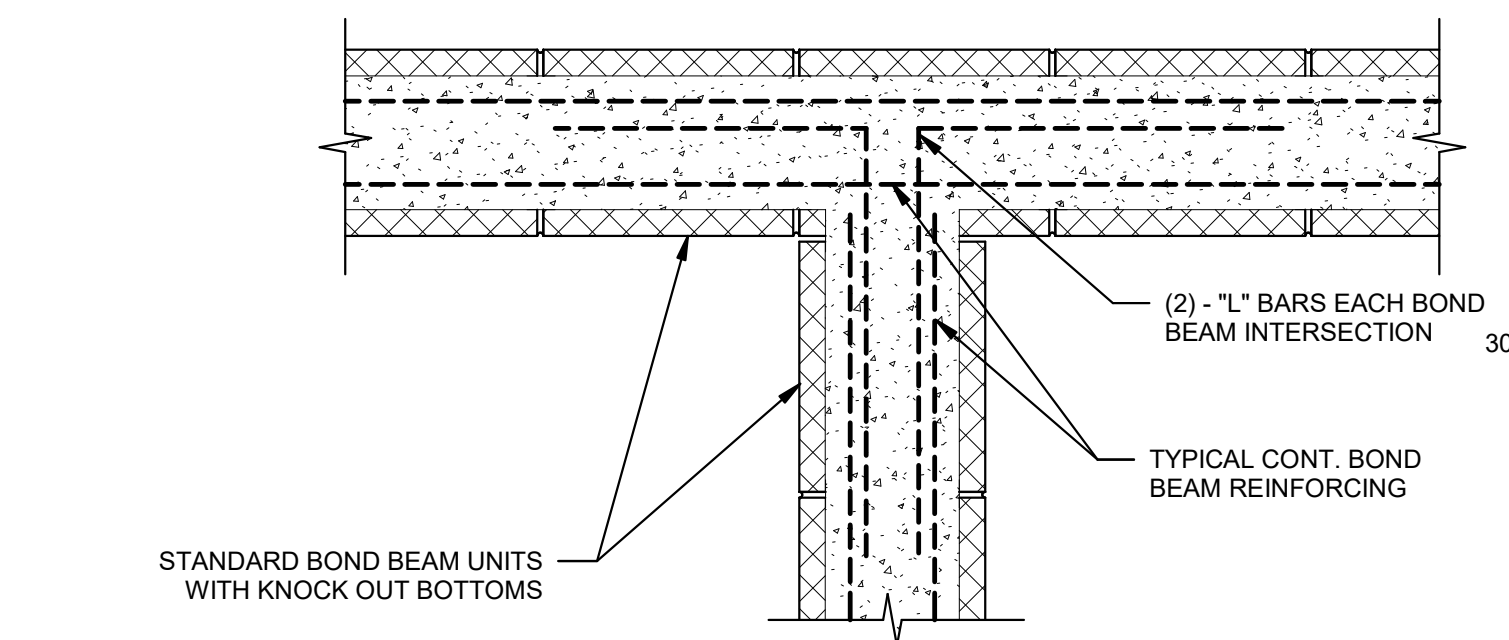
4 TYP. CONDUIT/PIPING IN VERTICALLY REINFORCED CELL
3" = 1'-0"



3 TYP. BOND BEAM REINFORCING (WALL OPENING)
1" = 1'-0"



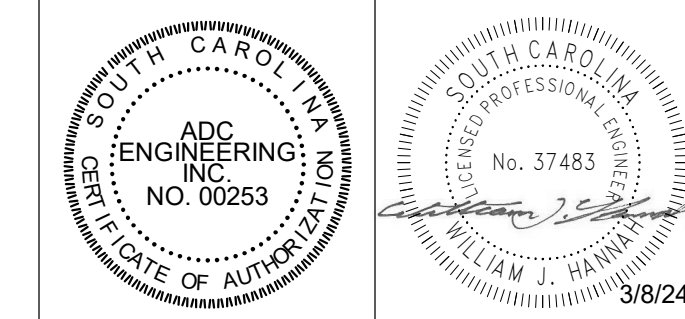
2 TYP. BOND BEAM REINFORCING (CORNER)
1" = 1'-0"



1 TYP. BOND BEAM REINFORCING (WALL INTERSECTION)
1" = 1'-0"

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Rock Hill, SC 29730

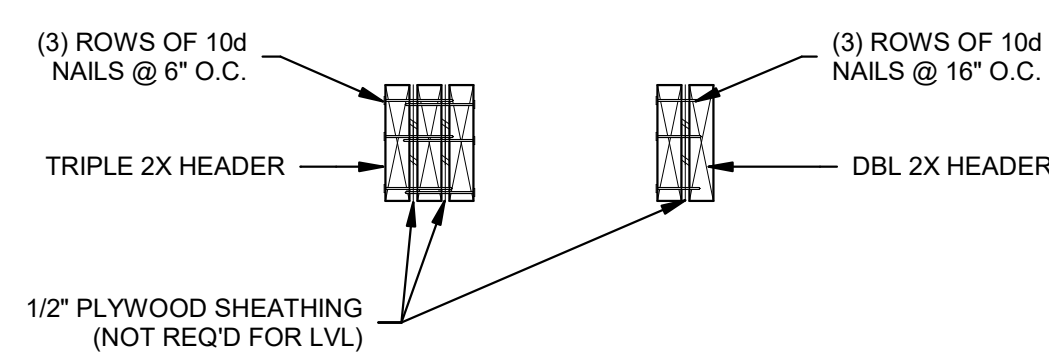
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PROJECT NO: 23261
DRAWN BY: WJH
CHECKED BY: JBJ

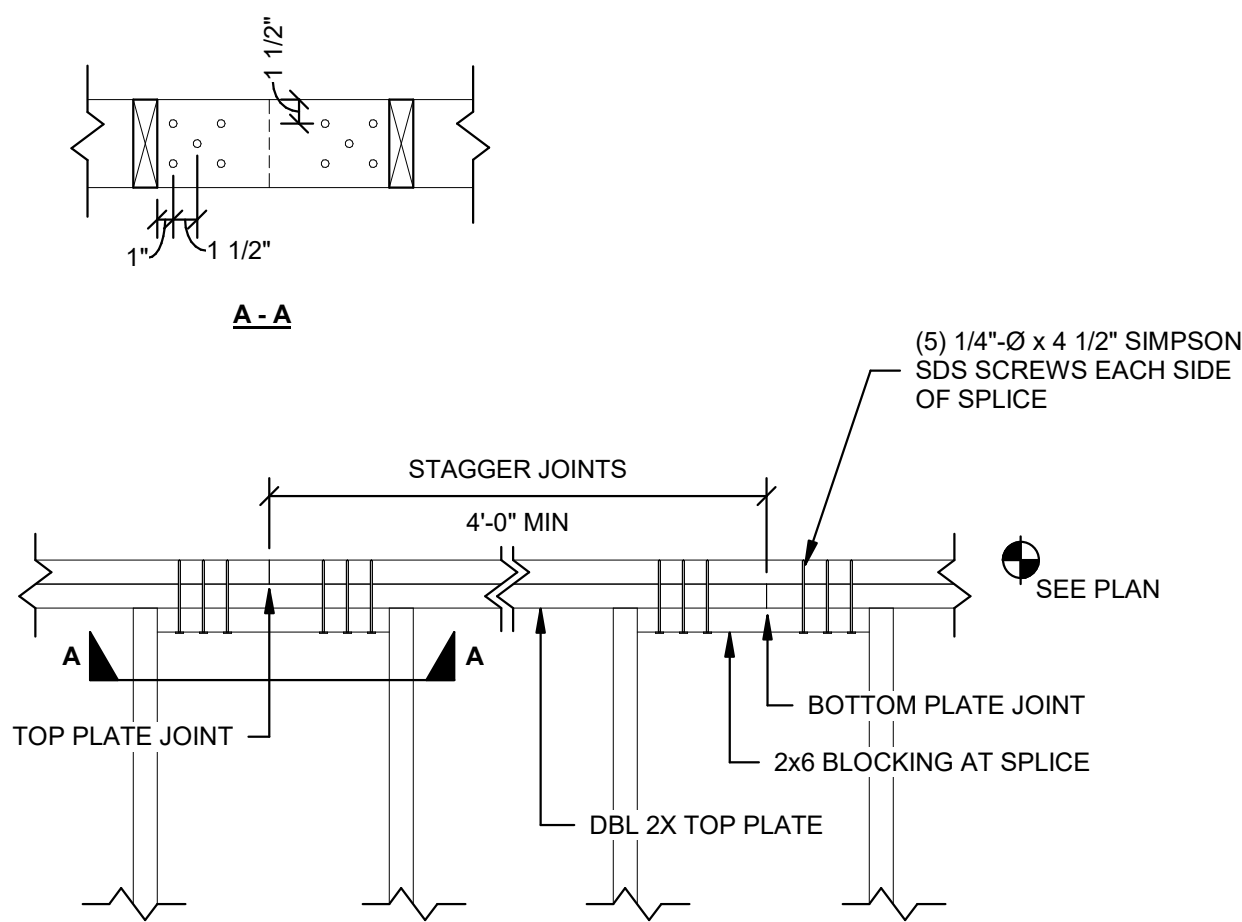
TYPICAL MASONRY DETAILS

S612

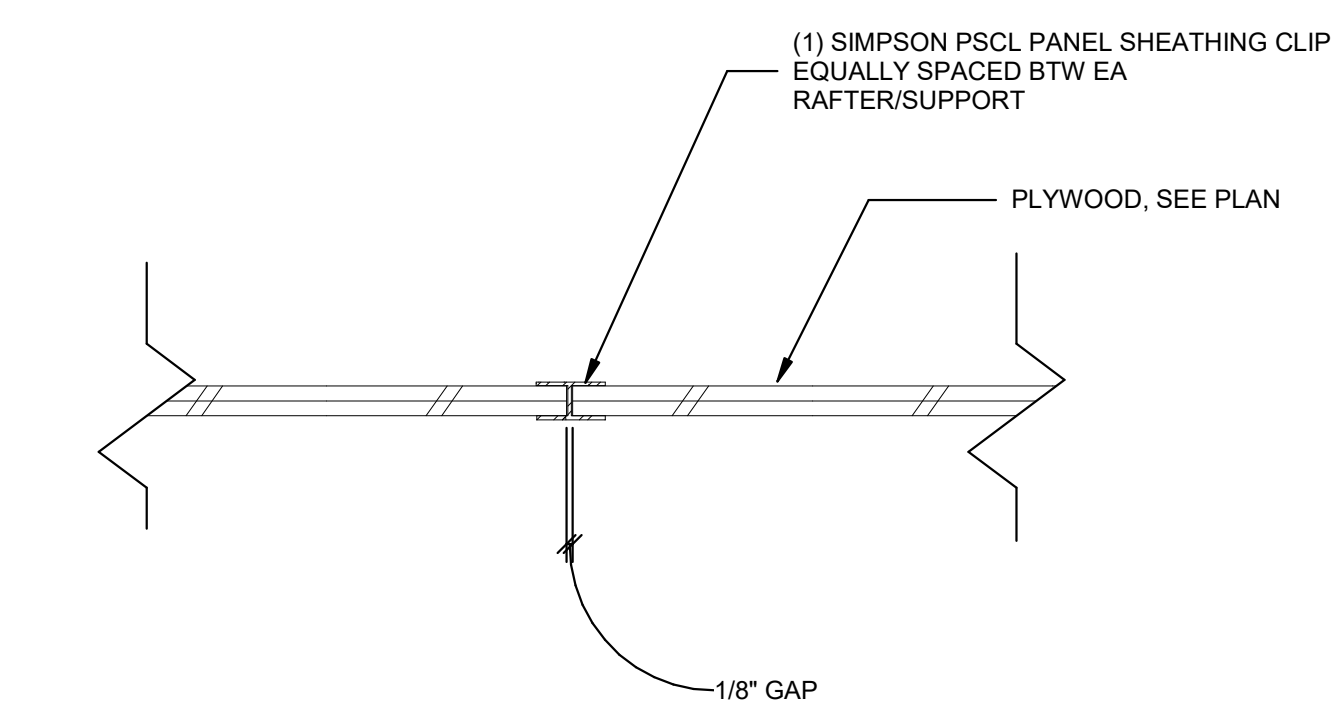
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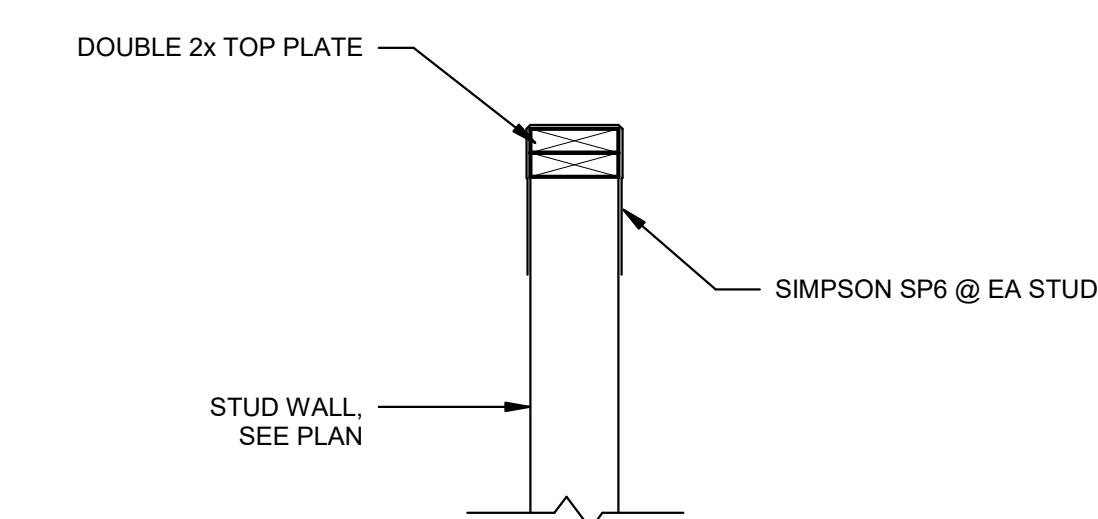
10 TYP. BUILT-UP WALL HEADER CONSTRUCTION
1" = 1'-0"



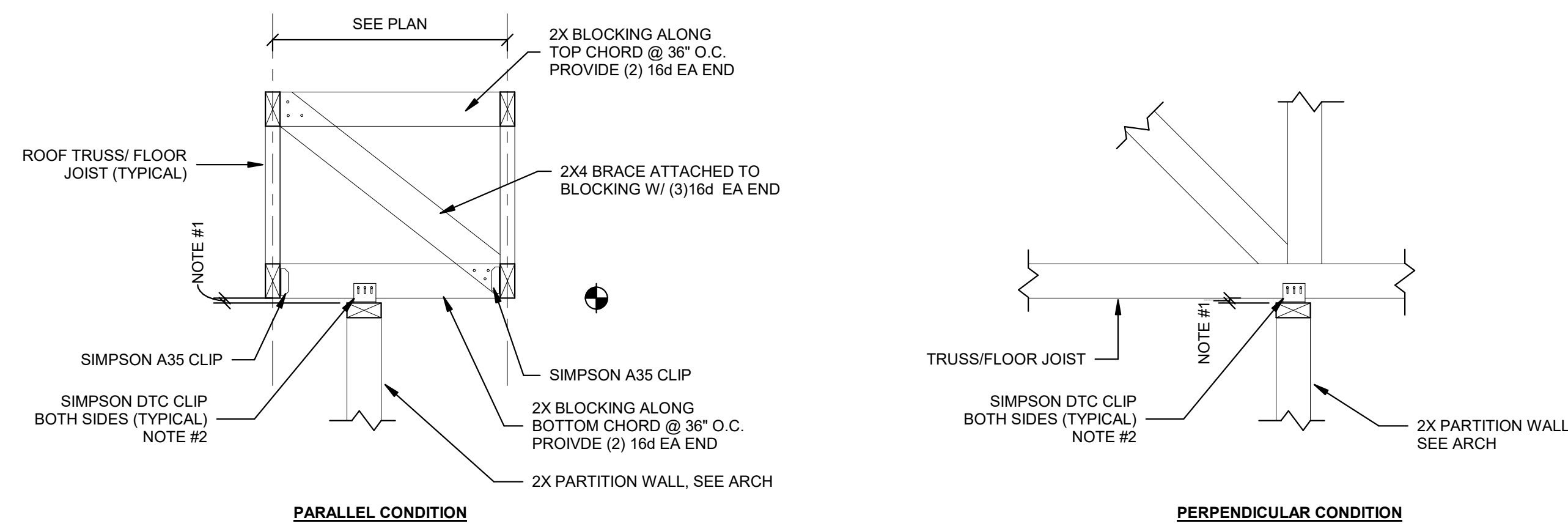
9 TYP. DOUBLE TOP PLATE SPLICE
1" = 1'-0"



8 TYP. ROOF SHEATHING EDGE CLIPS
3" = 1'-0"

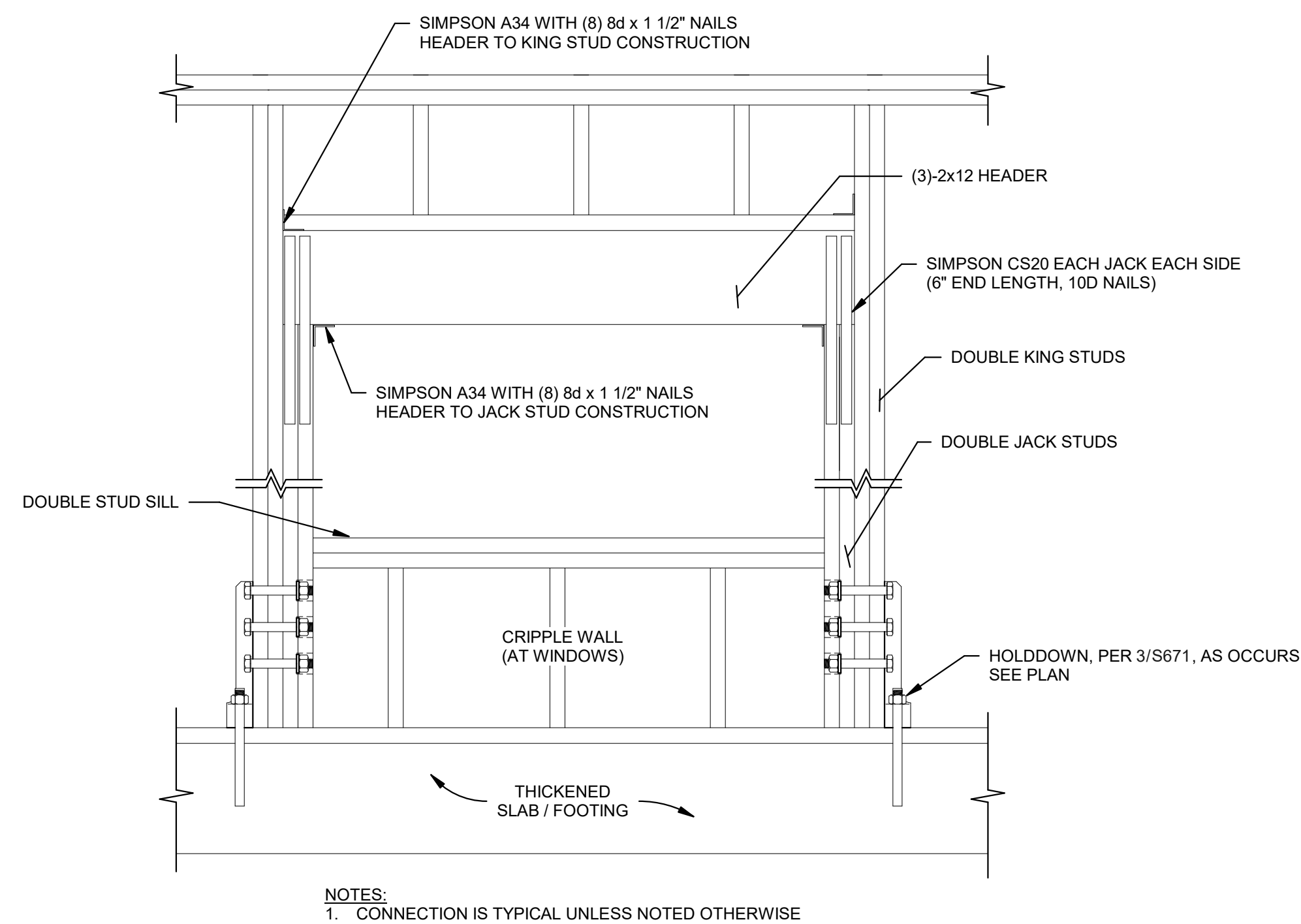


7 TYP. TOP PLATE ANCHORAGE AT LOADBEARING WALLS
1" = 1'-0"



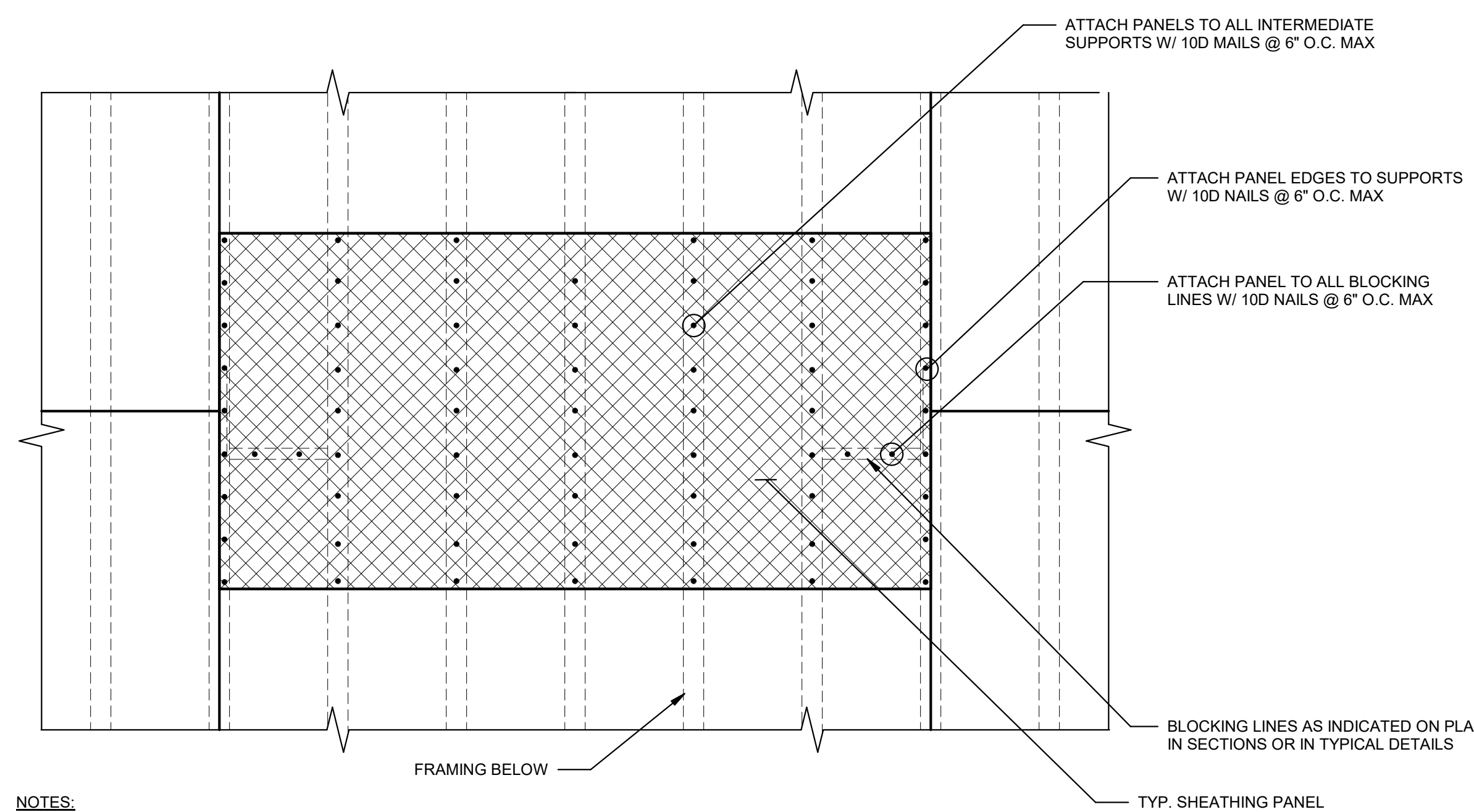
NOTES:
1. HOLD PARTITION TOP PLATE 1" BELOW BOTTOM OF TRUSS/JOIST BOTTOM CHORD.
2. CLIP TO ALLOW FOR 1 1/2" (+3/4 AND -3/4") DEFLECTION

6 TYP. NON-BEARING PARTITION WALL ANCHORAGE
1" = 1'-0"



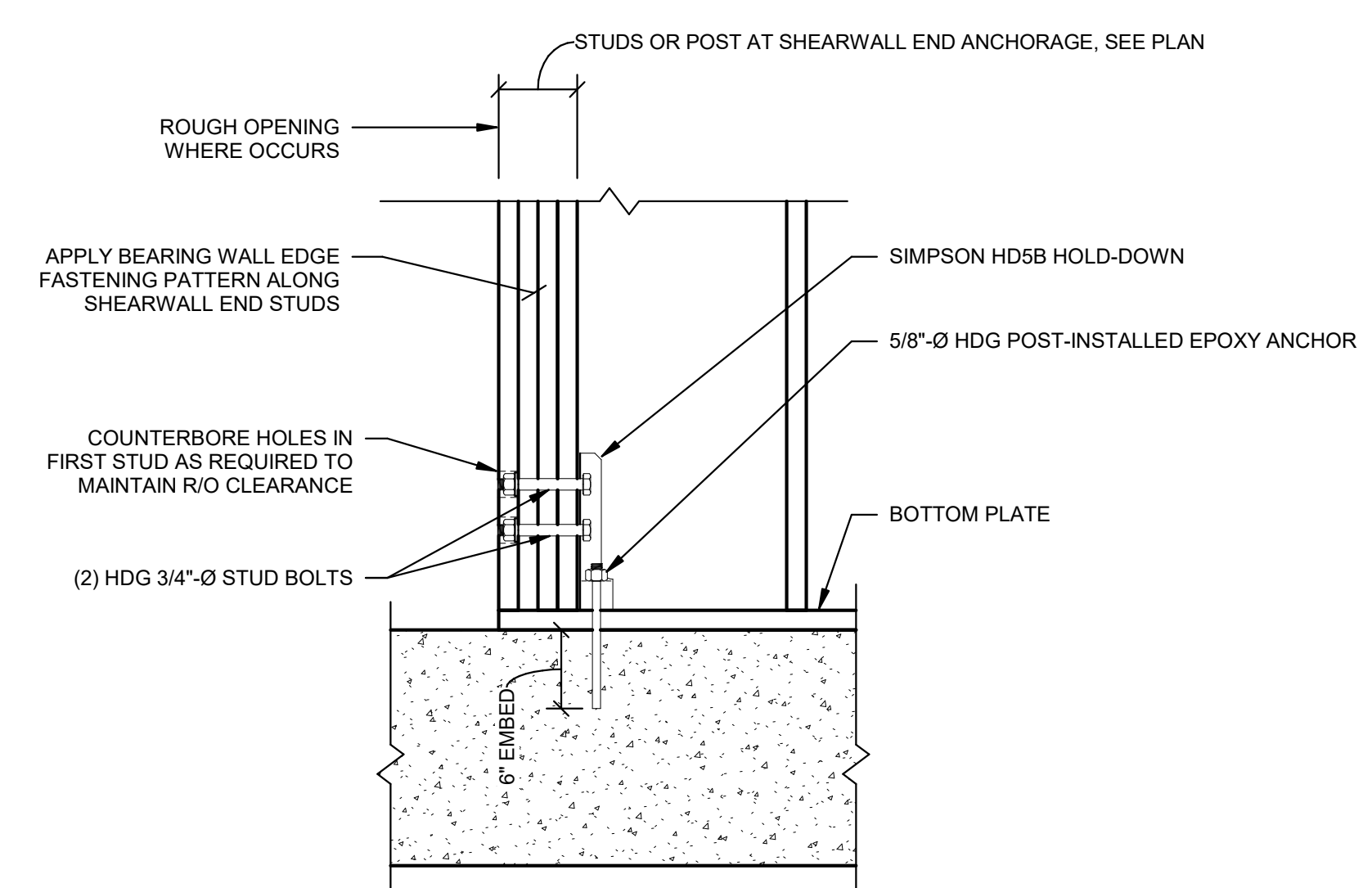
NOTES:
1. CONNECTION IS TYPICAL UNLESS NOTED OTHERWISE

5 TYP. WINDOW/DOOR OPENINGS
1" = 1'-0"

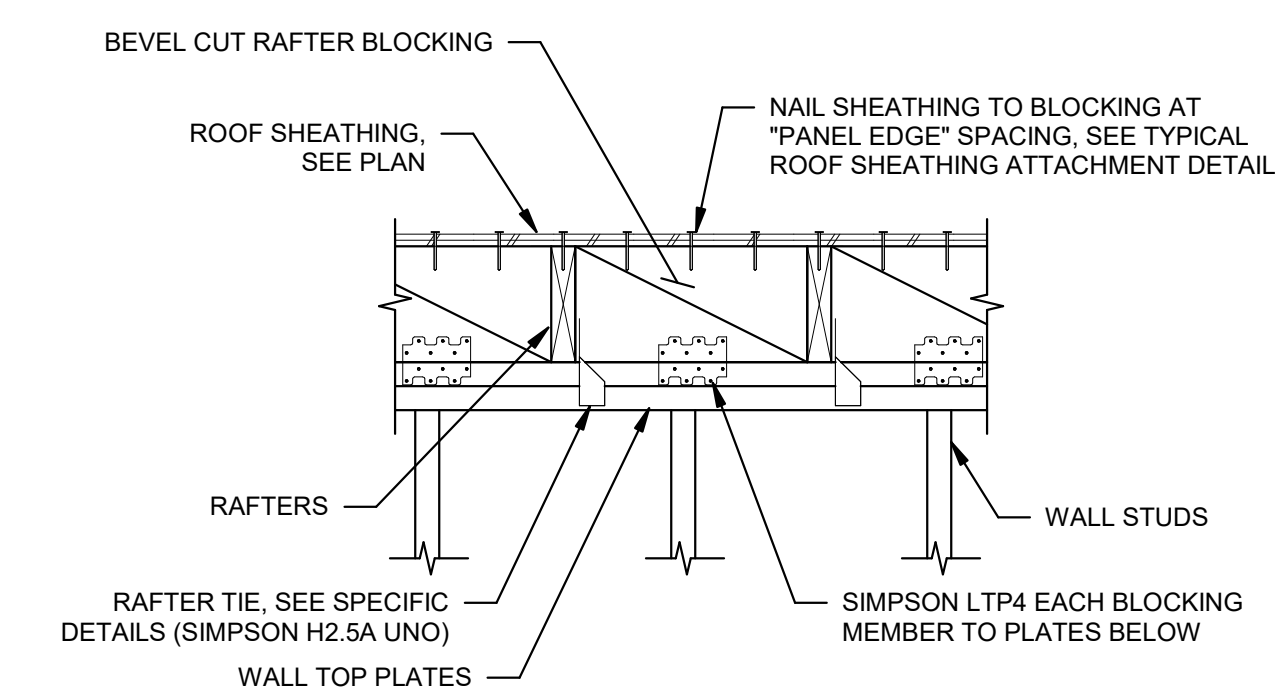


NOTES:
1. CARE SHALL BE TAKEN TO ENSURE THAT NAILS ARE PROPERLY LOCATED SUCH THAT THEY WILL PENETRATE FULLY INTO SUPPORTING FRAMING BELOW.
2. STAGGER SHEATHING JOINTS IN PATTERN SHOWN UNLESS SPECIFICALLY NOTED OTHERWISE

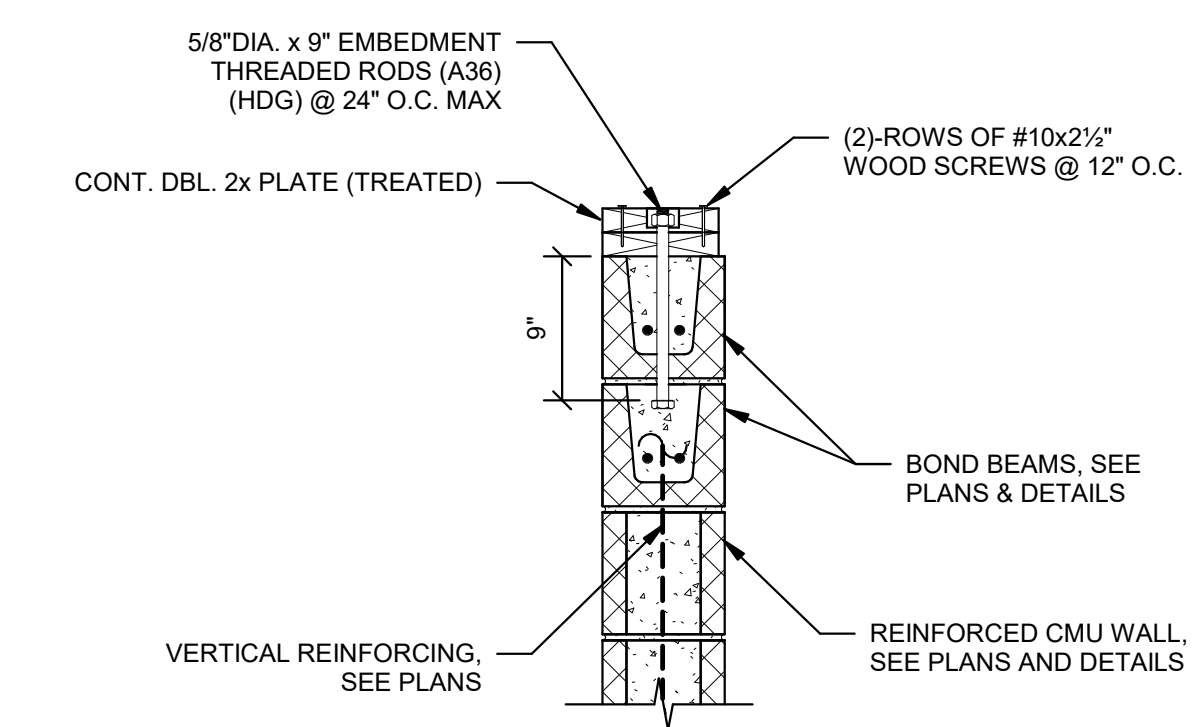
4 TYP. ROOF SHEATHING ATTACHMENT
3/4" = 1'-0"



3 TYPICAL SHEAR WALL ANCHORAGE
1" = 1'-0"



2 TYP. RAFTER BLOCKING
1" = 1'-0"

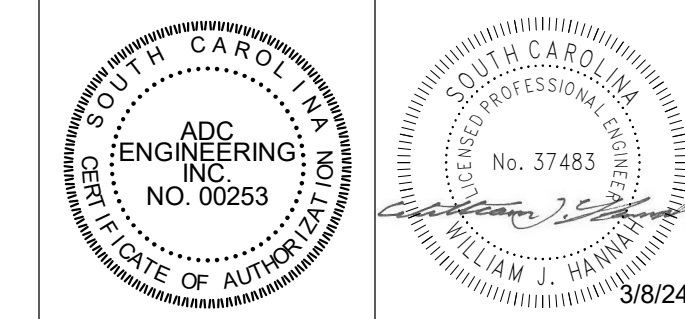


NOTES:
1. PROVIDE 2x6 PLATES AT 8" CMU WALLS
2. PROVIDE 2x8 PLATES AT 8" CMU WALLS
3. PROVIDE 2x12 PLATES AT 12" CMU WALLS
4. AT INTERIOR WALLS, CENTER WOOD PLATE ON CMU
5. AT EXTERIOR WALLS, ALIGN FACE OF WOOD PLATE WITH EXTERIOR FACE OF CMU

1 TYP. WOOD PLATE AT CMU WALL
1" = 1'-0"

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DATE	MARK	DESCRIPTION

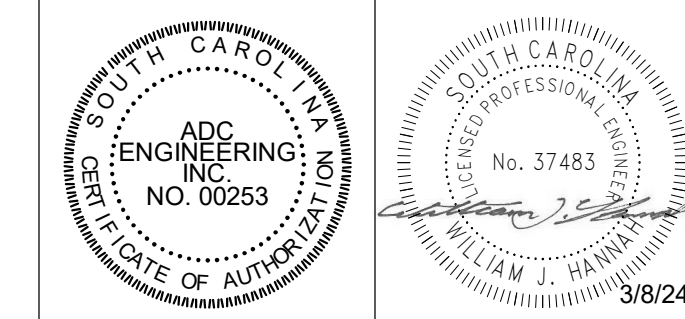
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TYPICAL WOOD DETAILS

S671

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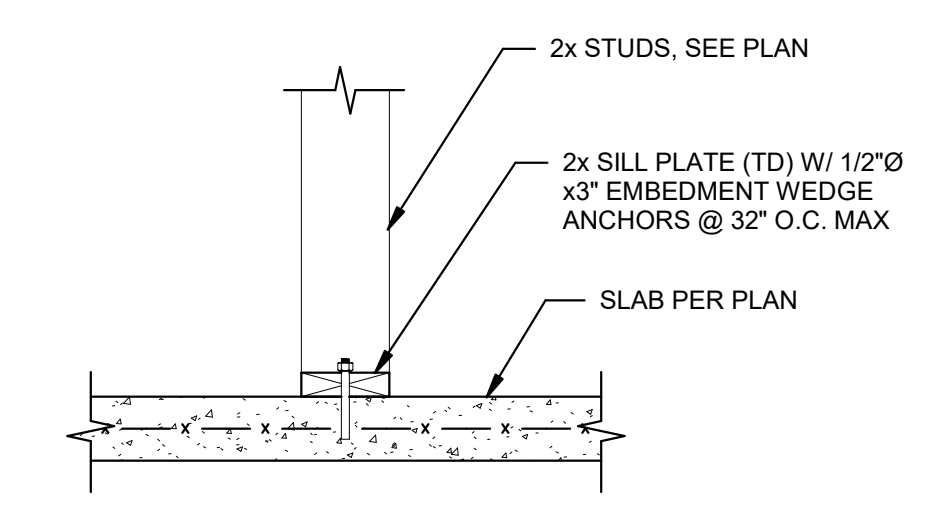
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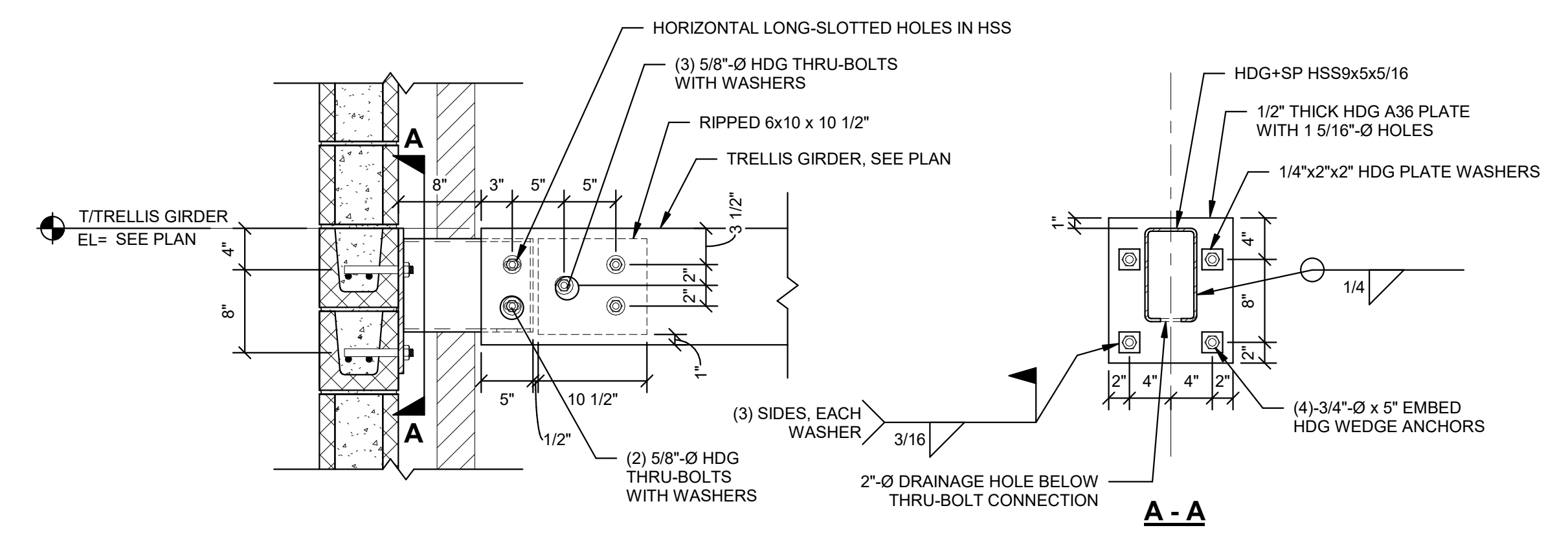
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TYPICAL WOOD DETAILS

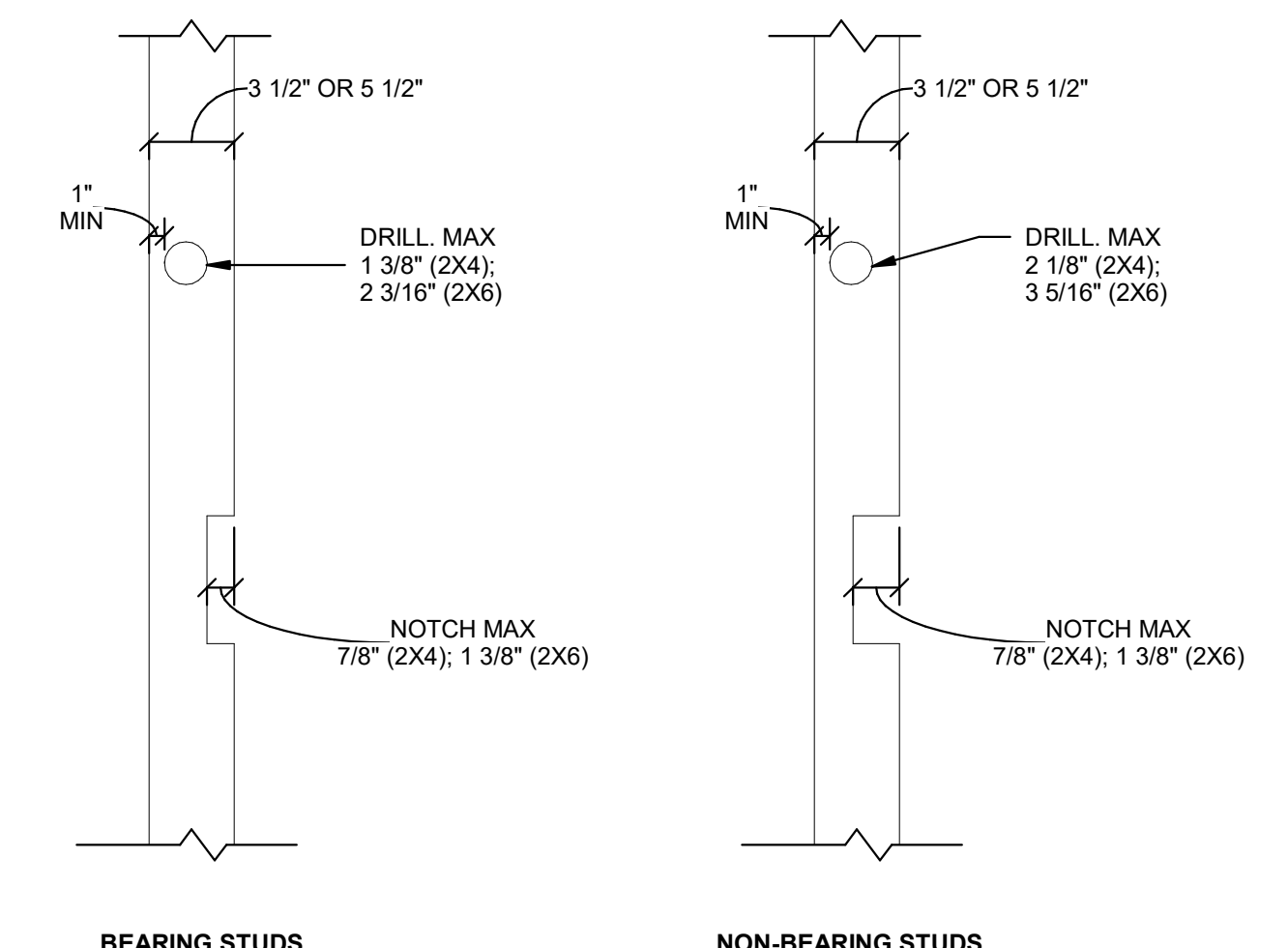
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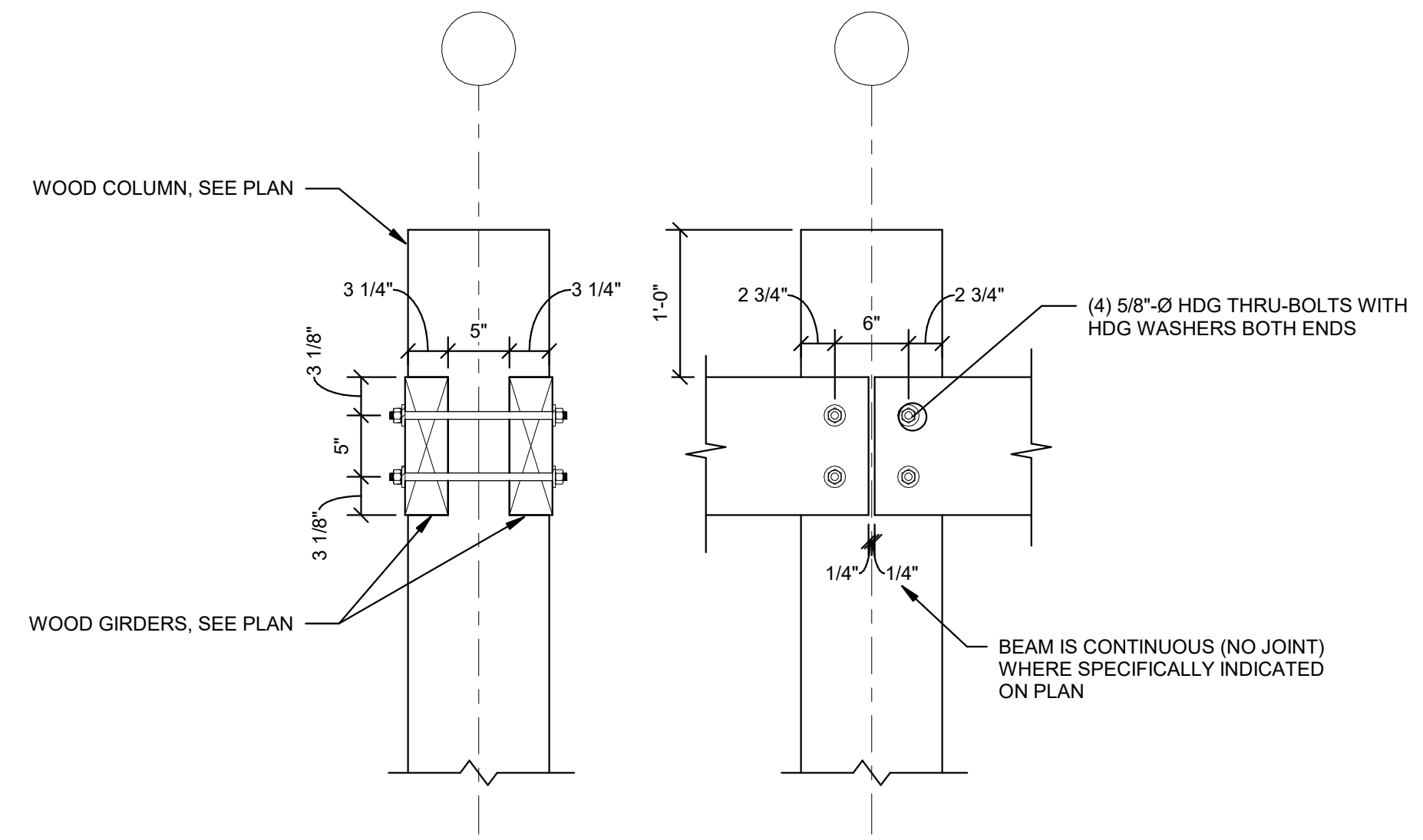
3 TYP. SILL PLATE TO SLAB ATTACHMENT
 1" = 1'-0"



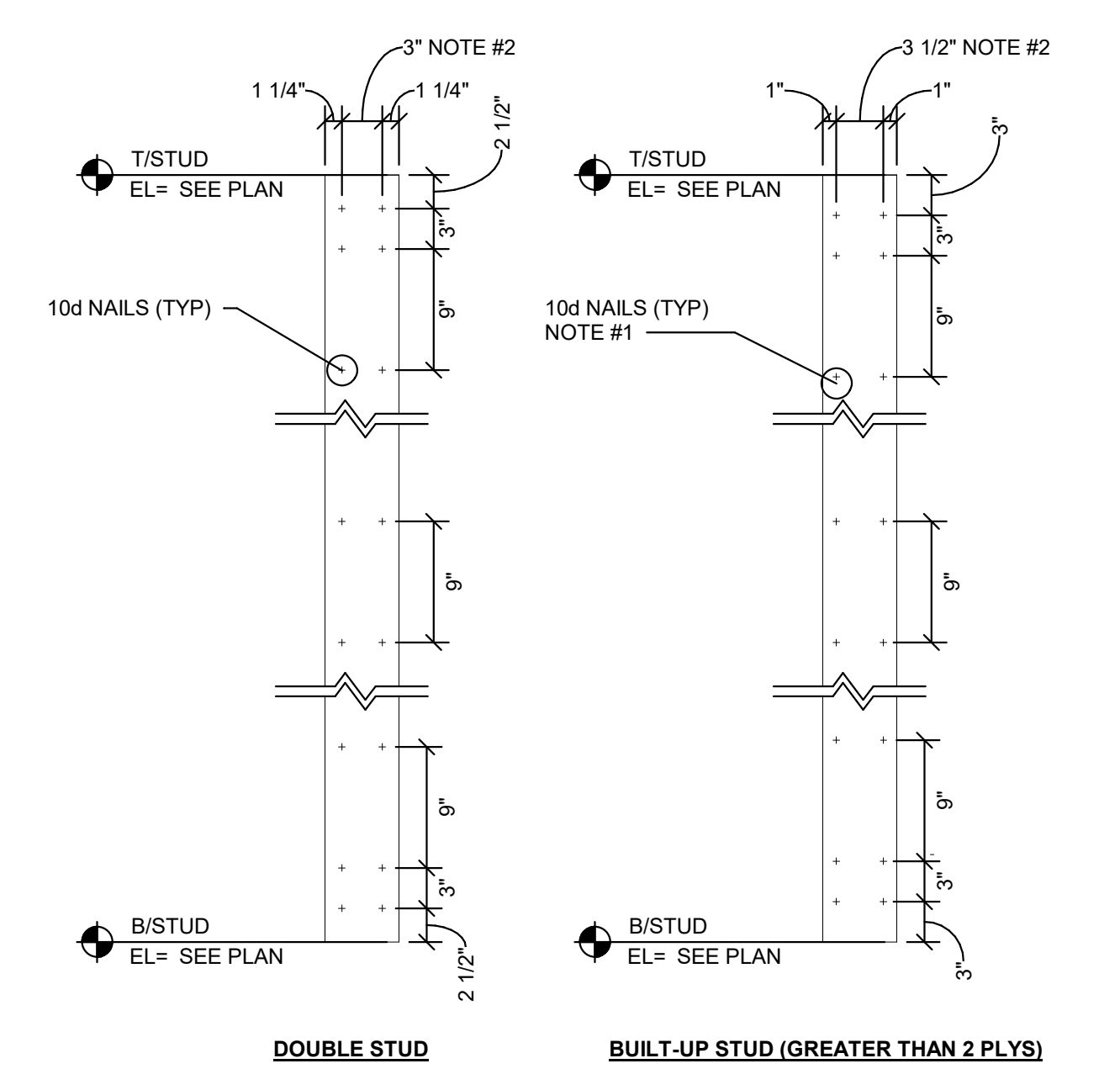
6 TYP. WOOD GIRDER END CONNECTION AT CMU
 1" = 1'-0"



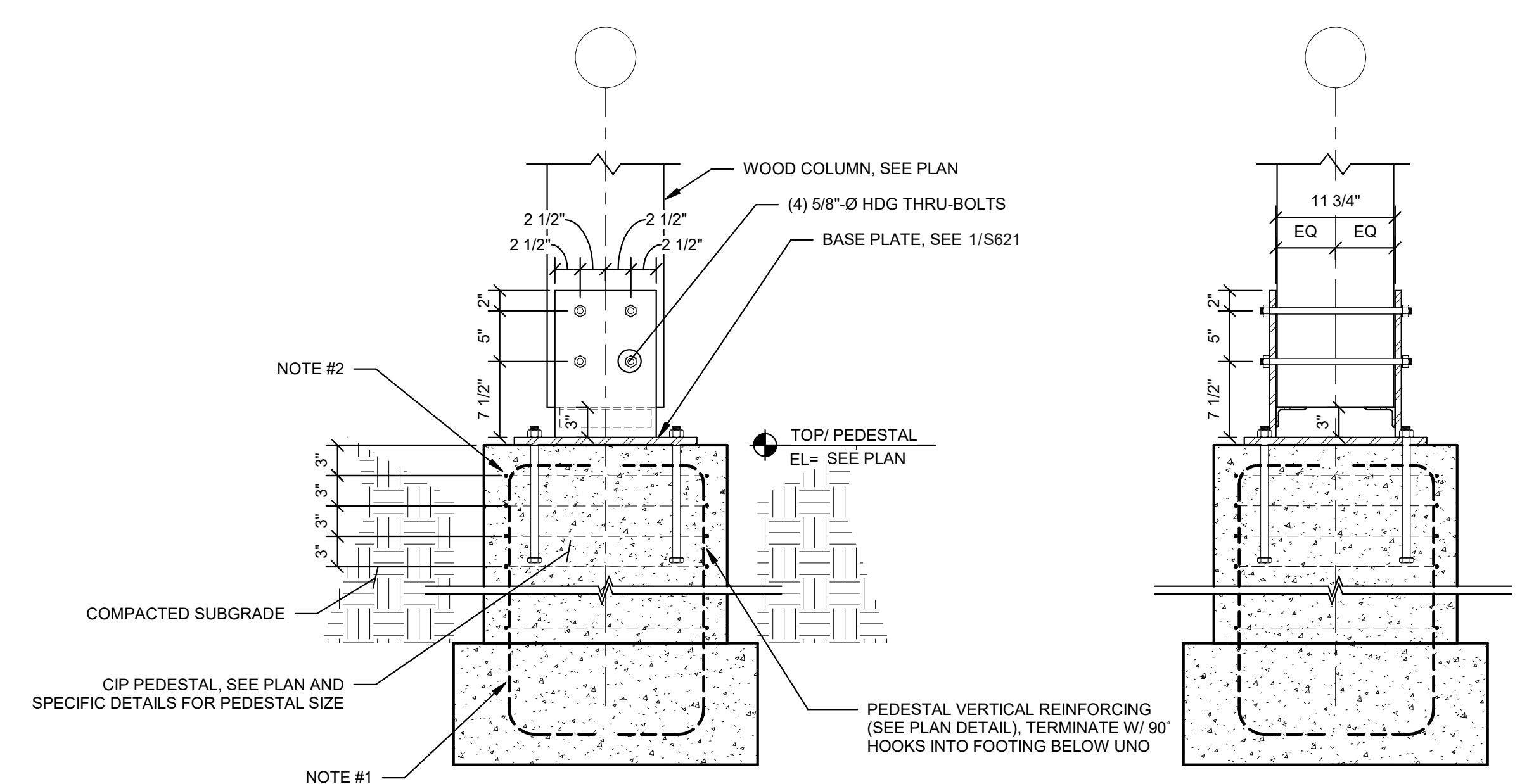
2 TYP. NOTCH/HOLE LIMITS WOOD STUDS
 1" = 1'-0"



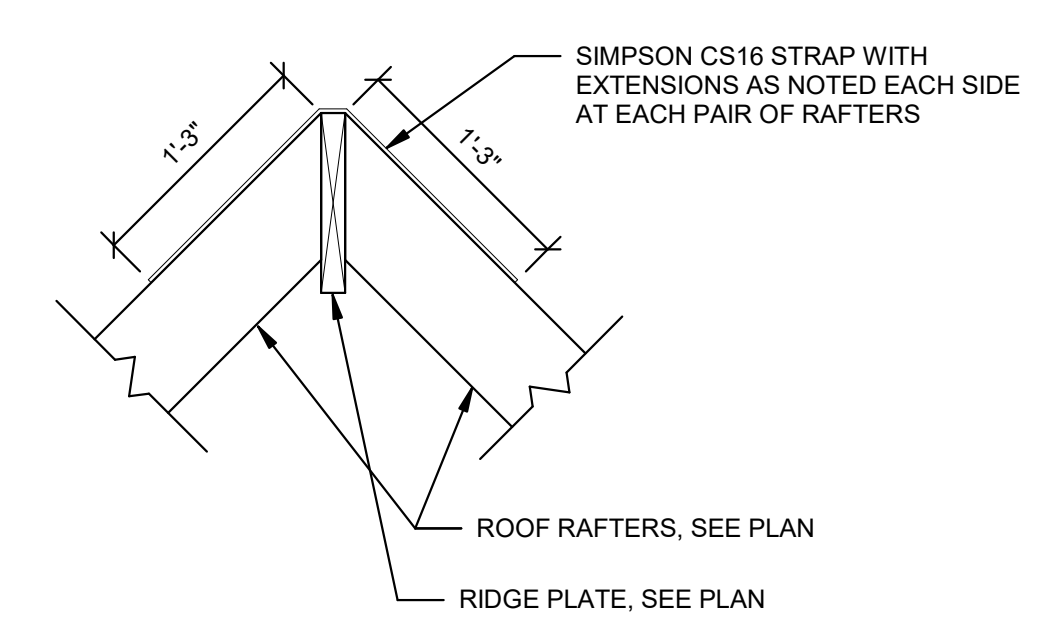
5 TYP. WOOD GIRDER CONNECTION TO COLUMN
 1" = 1'-0"



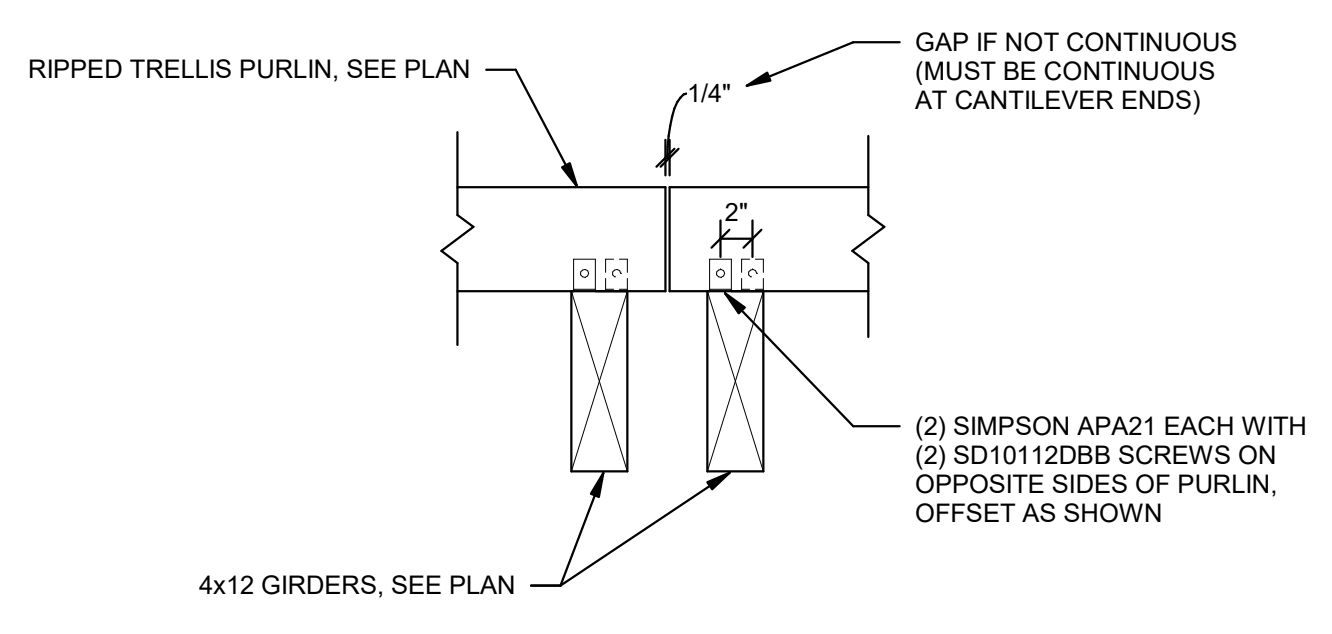
1 TYP. BUILT-UP STUD DETAIL
 1" = 1'-0"



4 TYP. WOOD COLUMN CONNECTION AT PEDESTAL
 1" = 1'-0"



8 TYP. ROOF RIDGE
 1" = 1'-0"

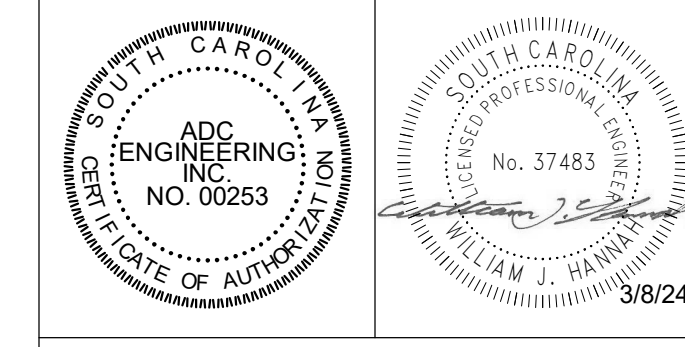


7 TYP. TRELLIS PURLIN CONNECTION
 1" = 1'-0"

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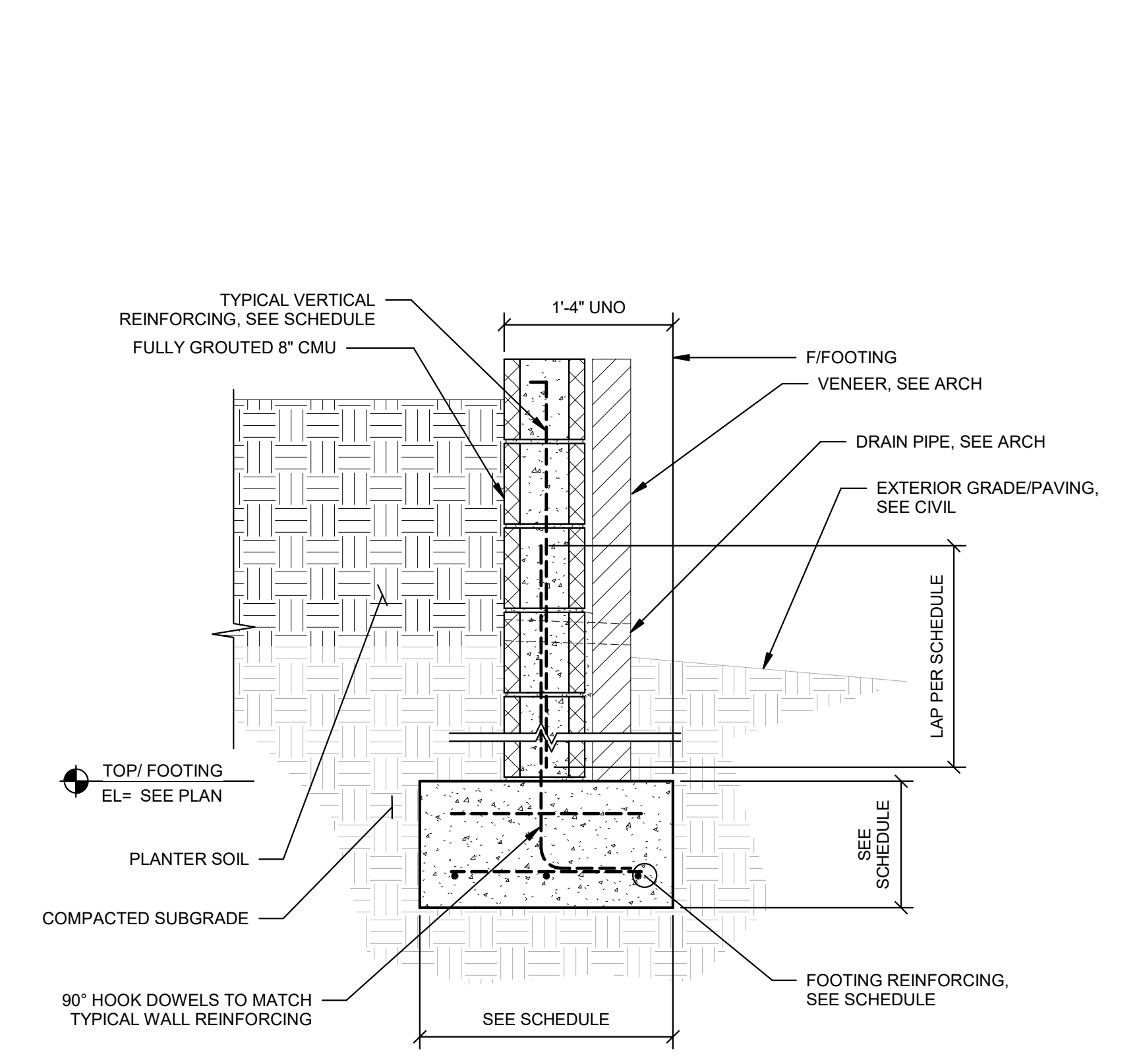
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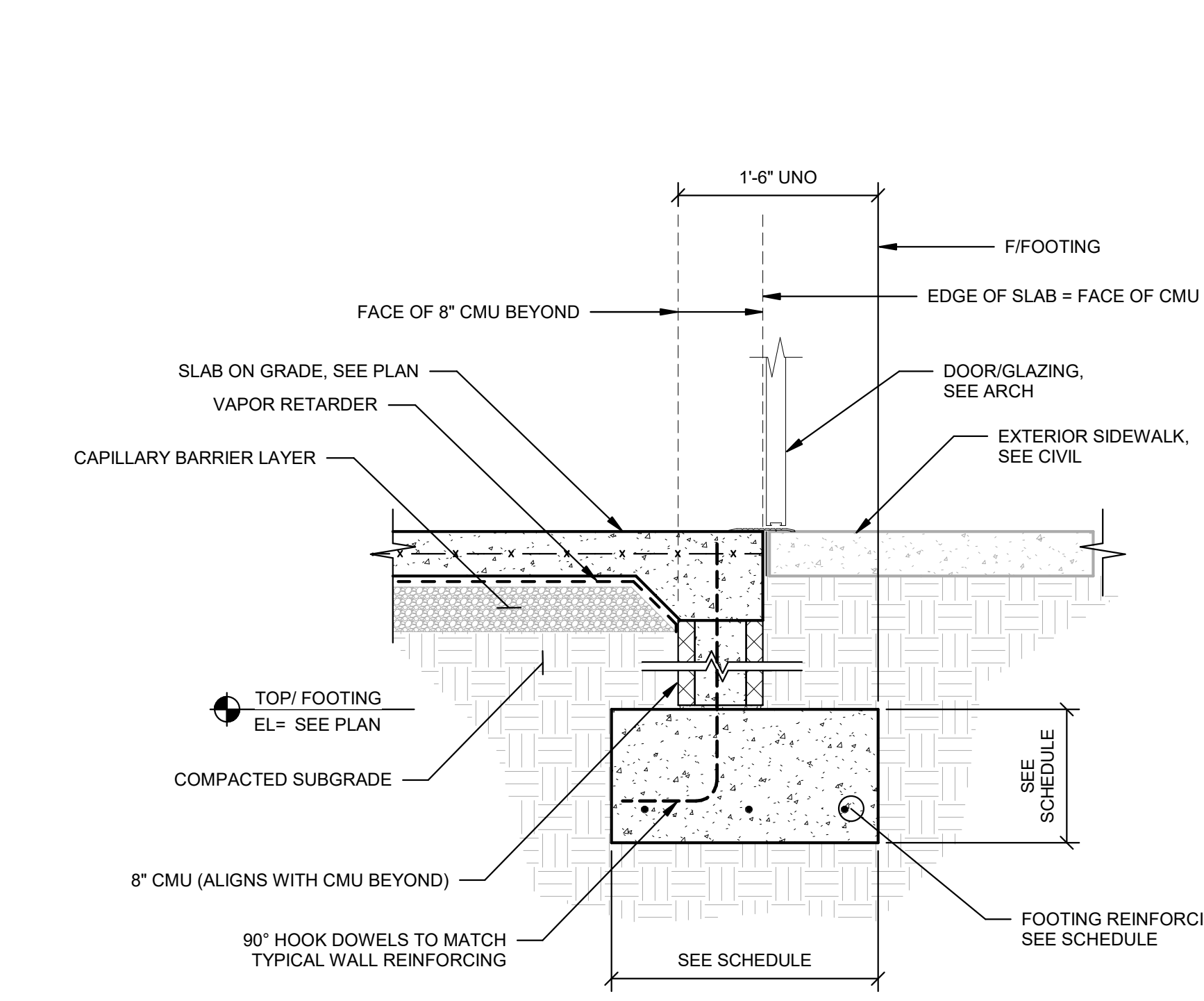
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SECTIONS AND DETAILS

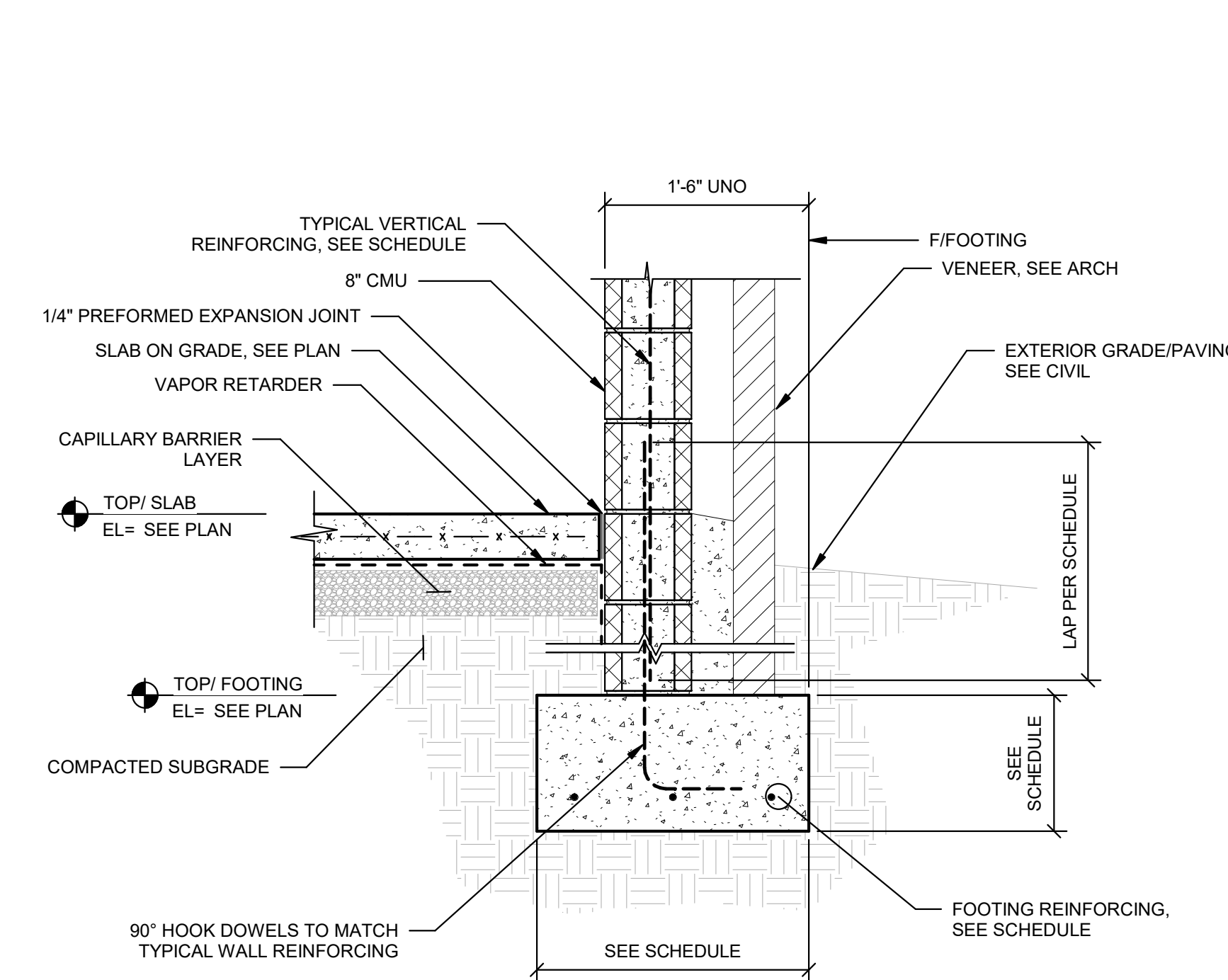
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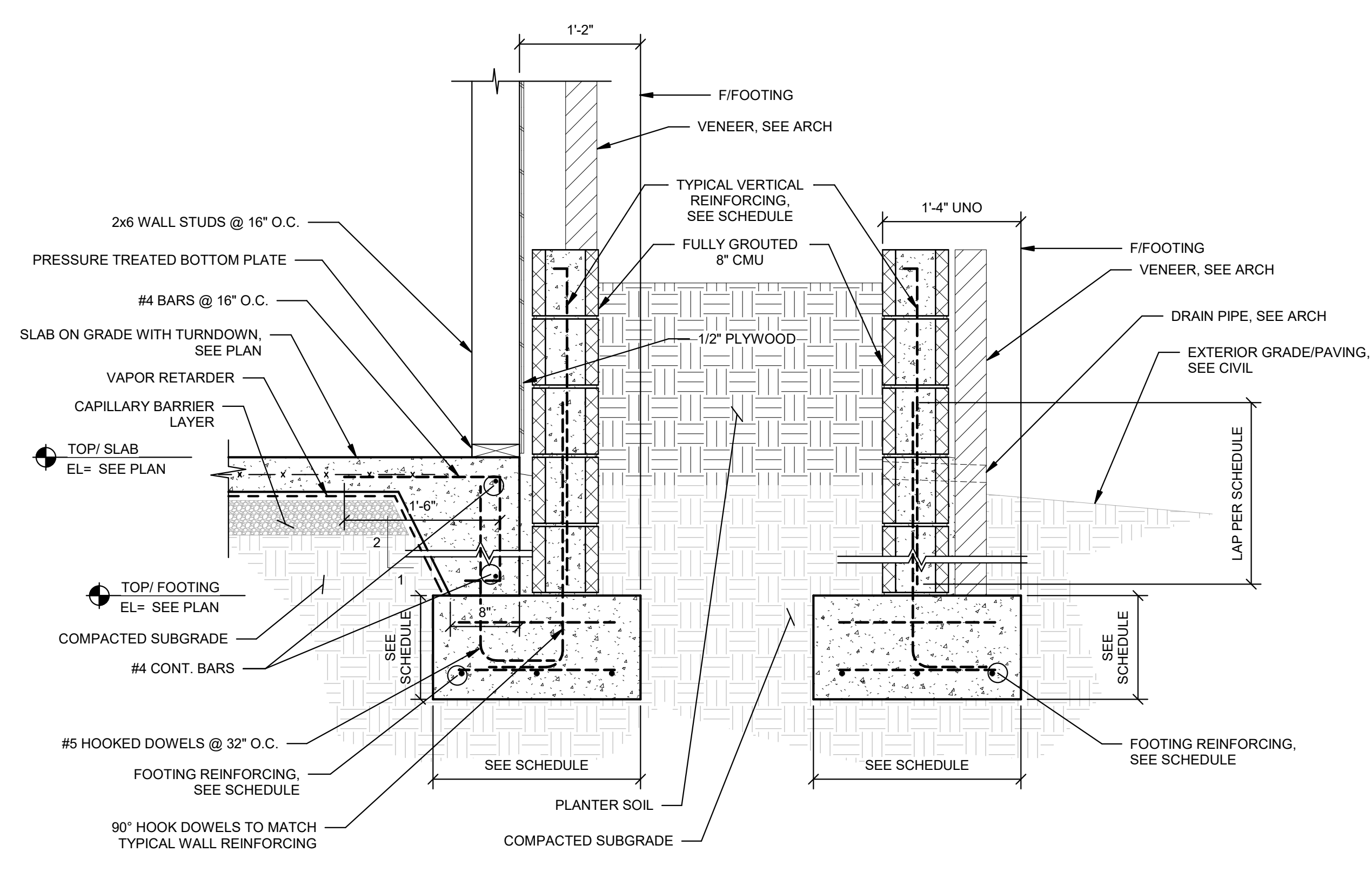
3 SECTION
1" = 1'-0"



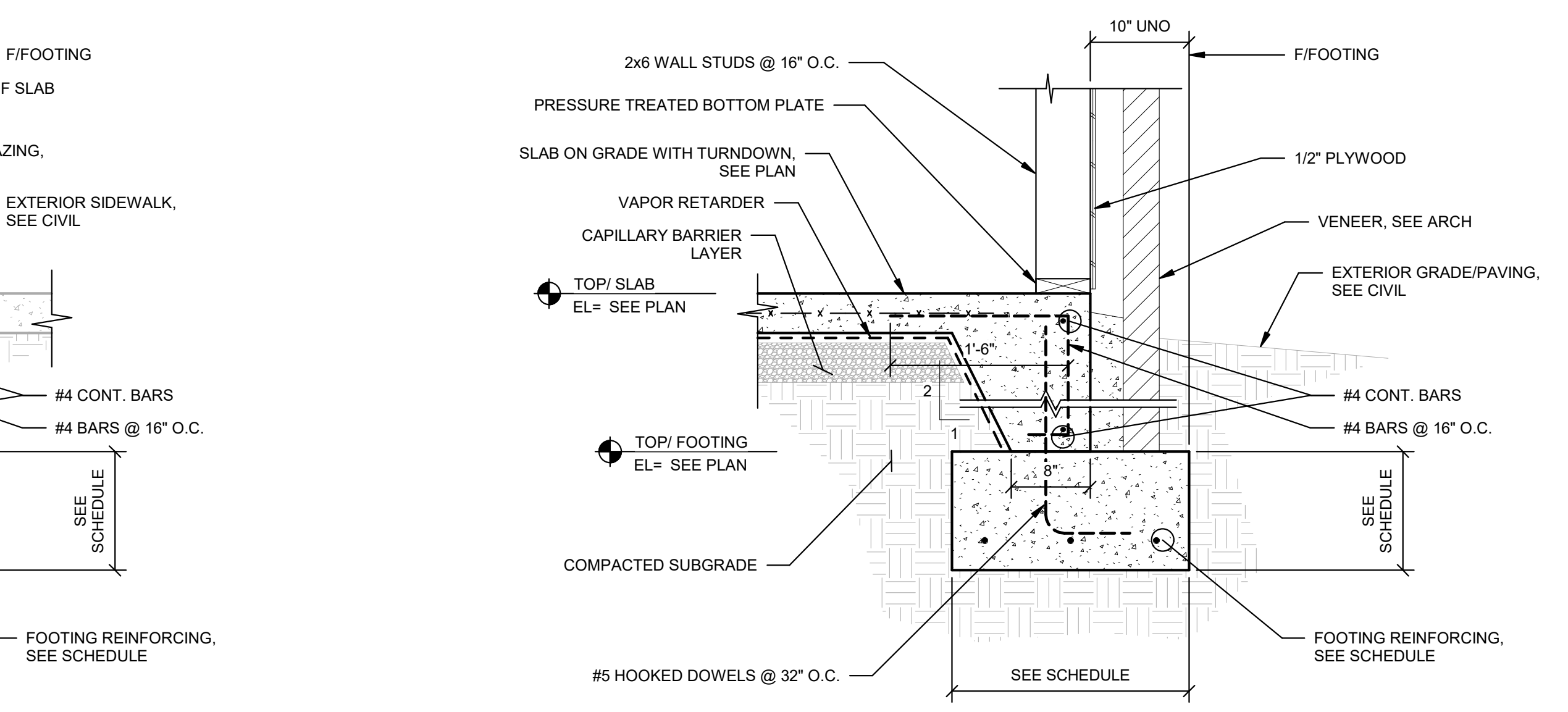
2 SECTION
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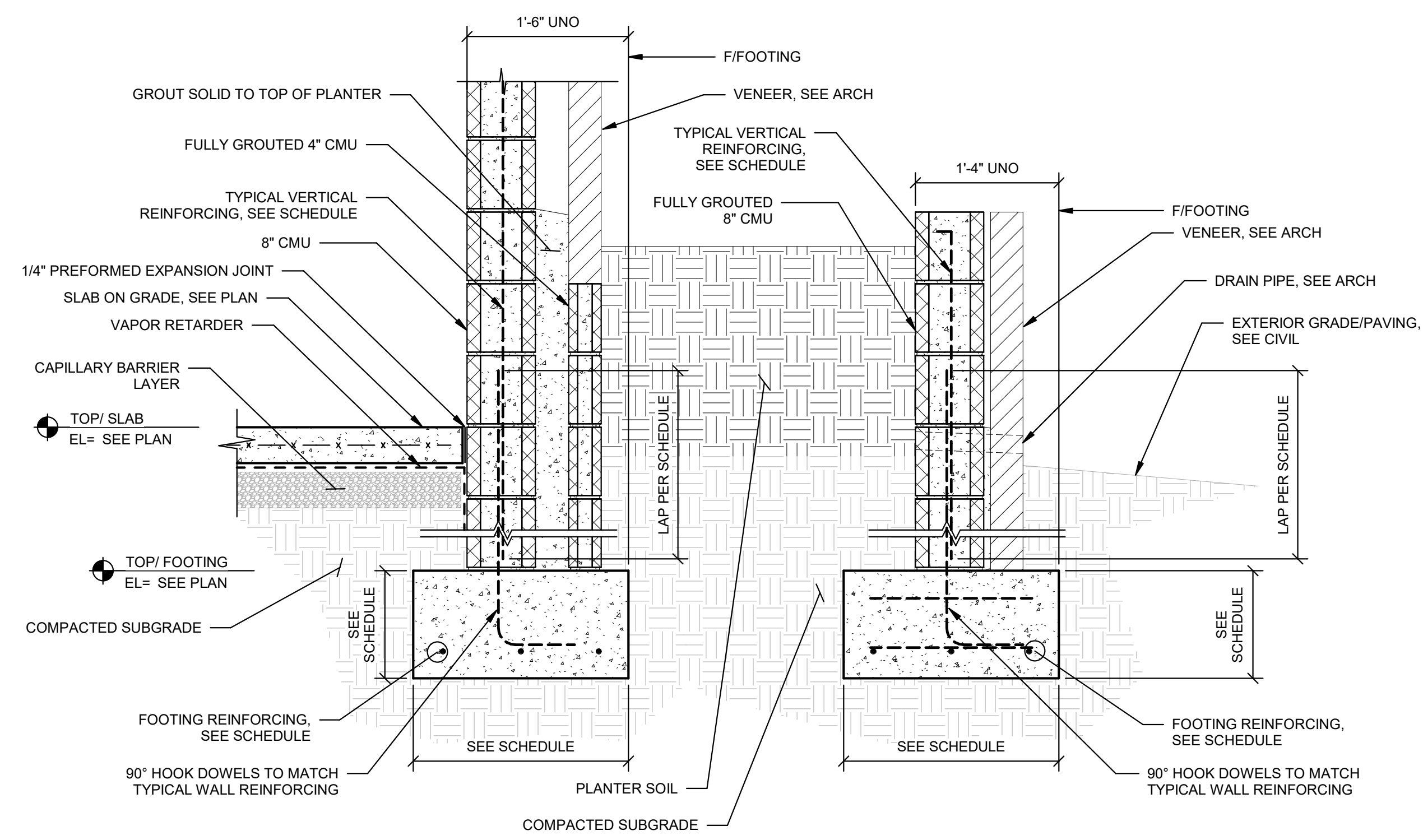
1 SECTION
1" = 1'-0"



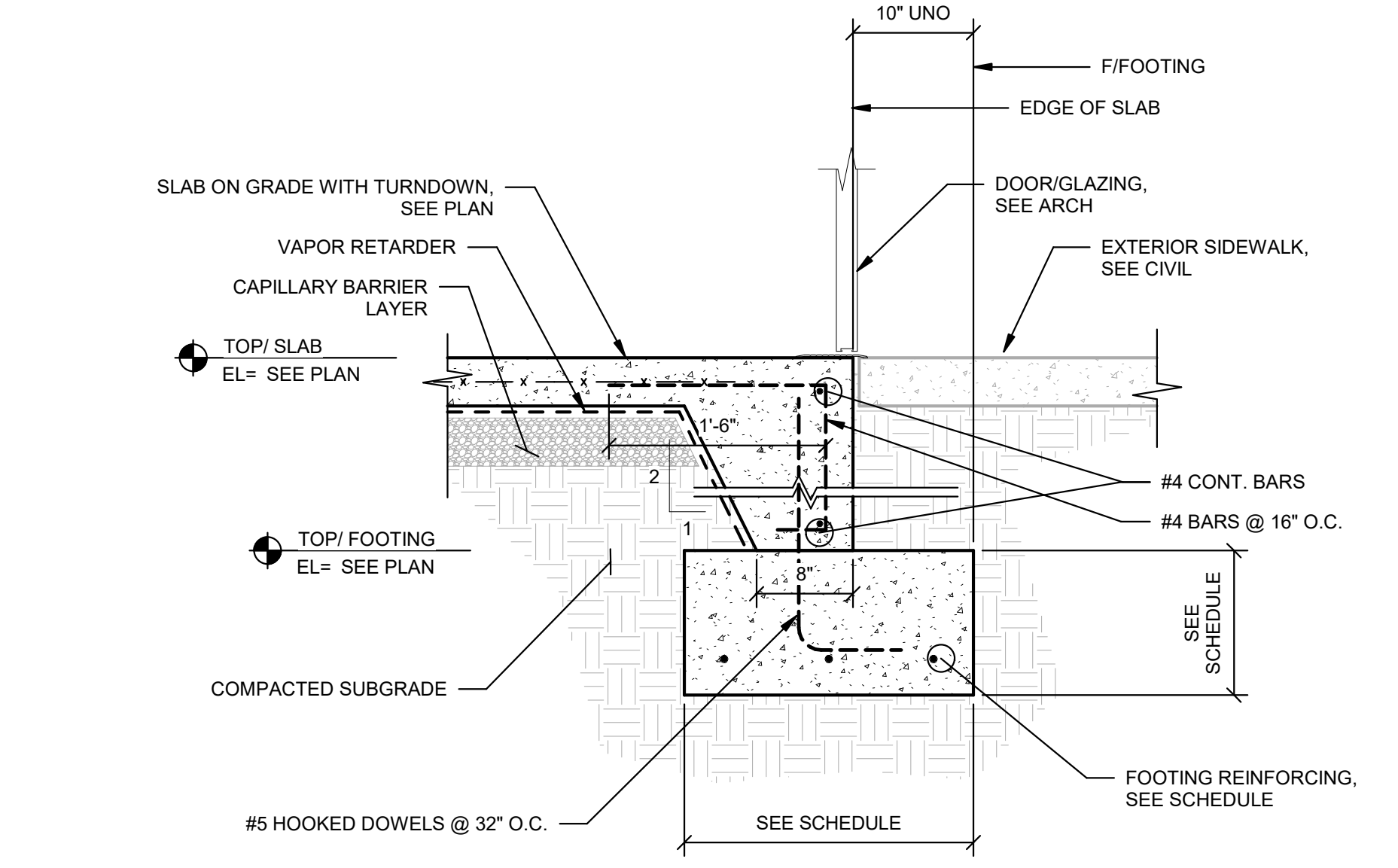
7 SECTION
1" = 1'-0"



5 SECTION
1" = 1'-0"



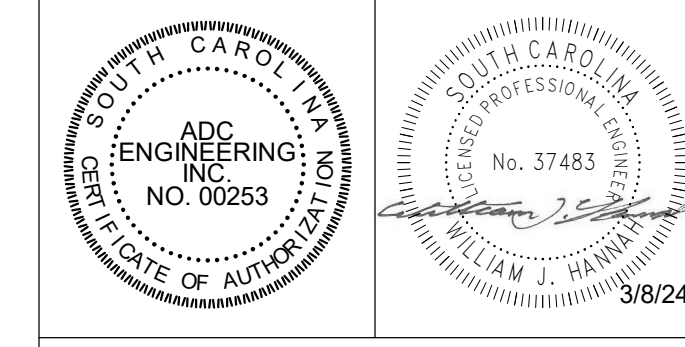
4 SECTION
1" = 1'-0"



6 SECTION
1" = 1'-0"

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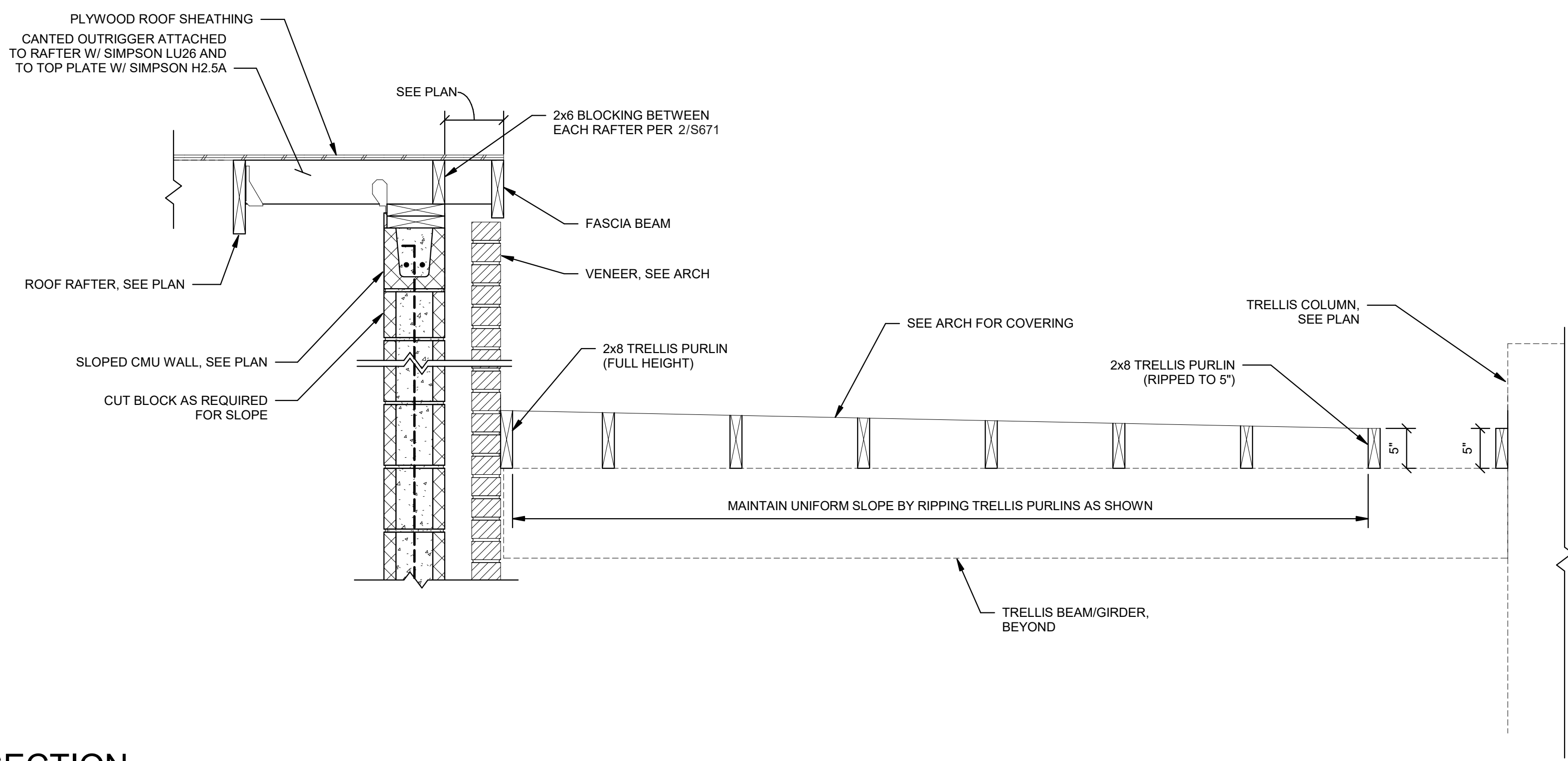
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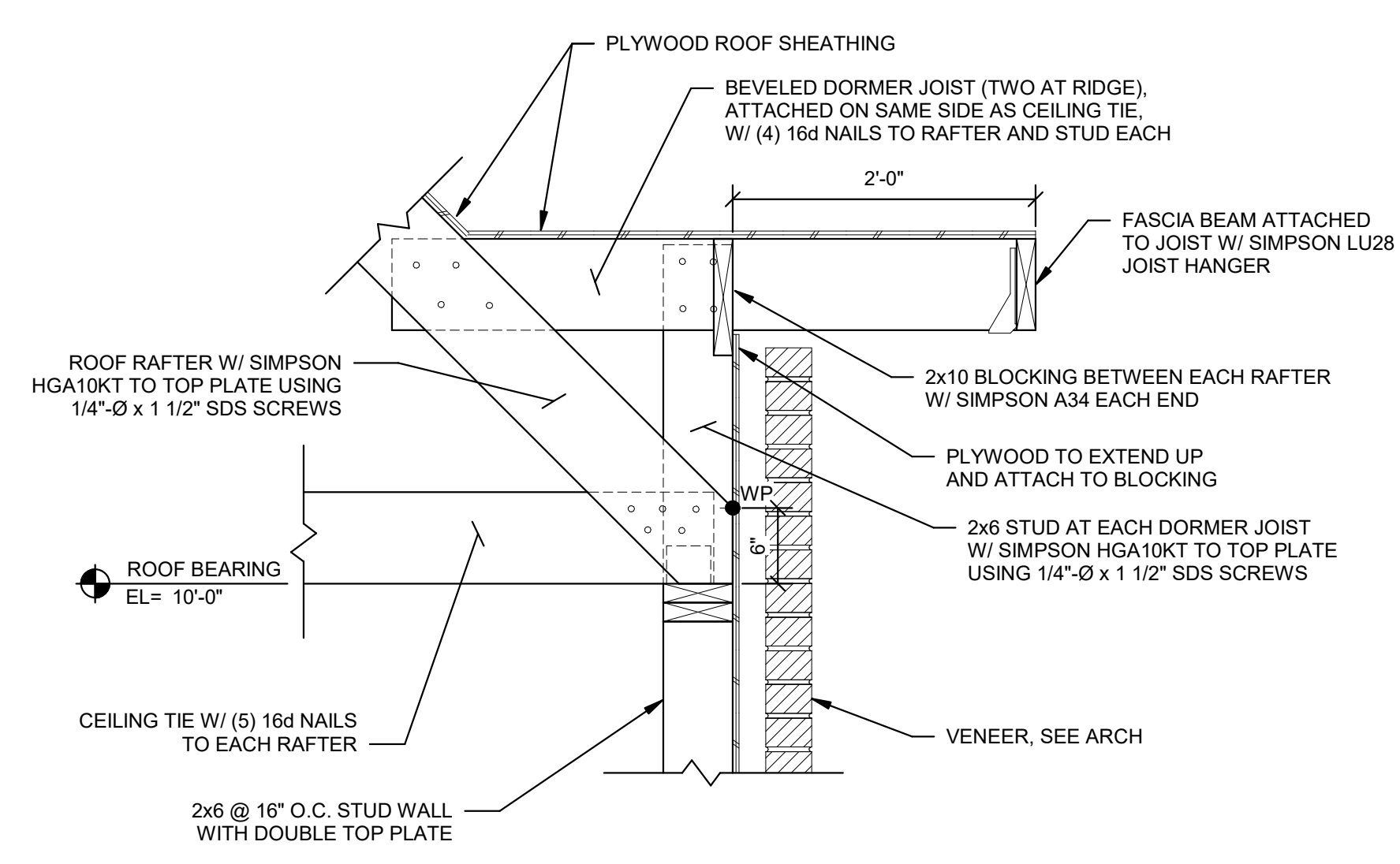
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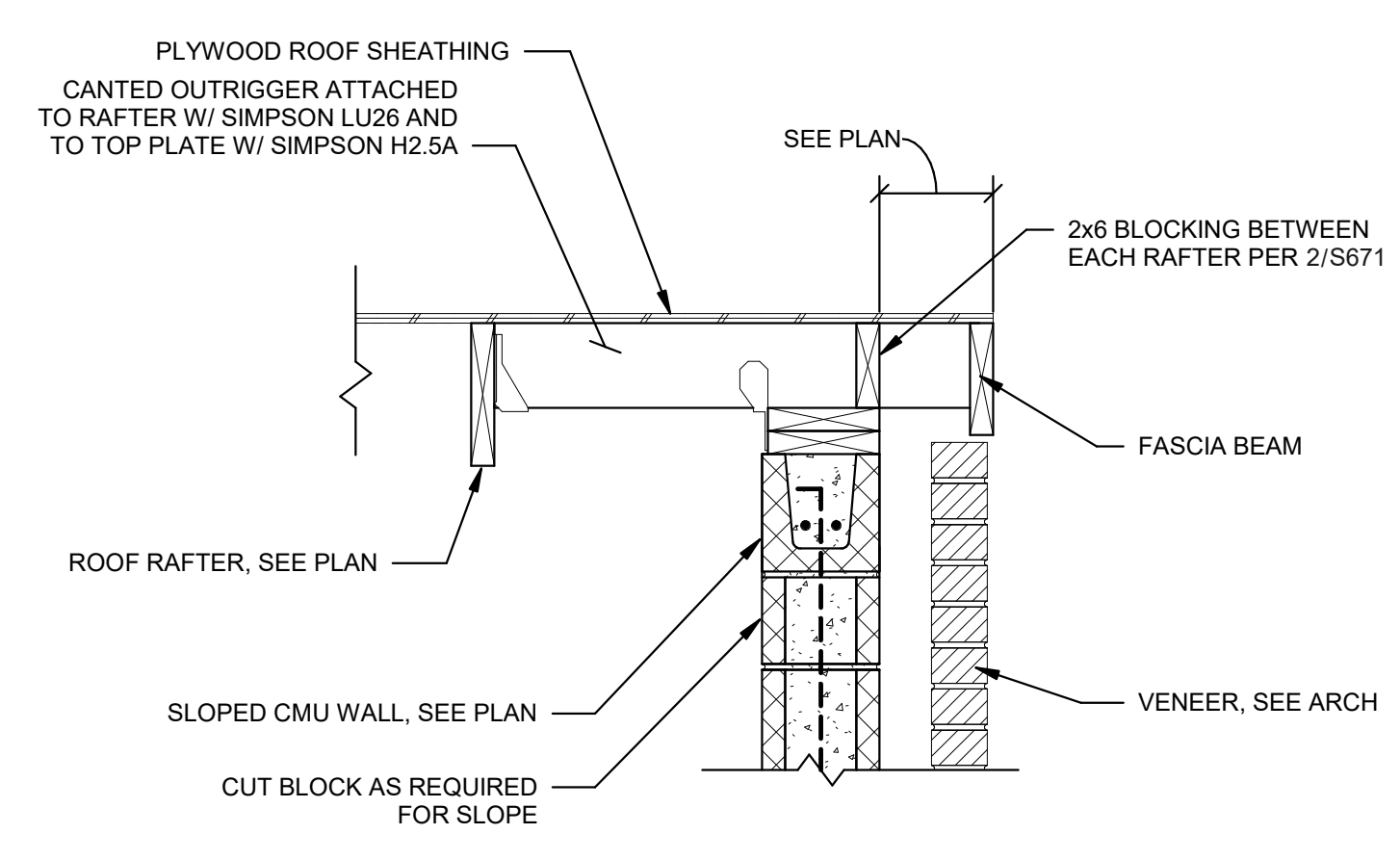
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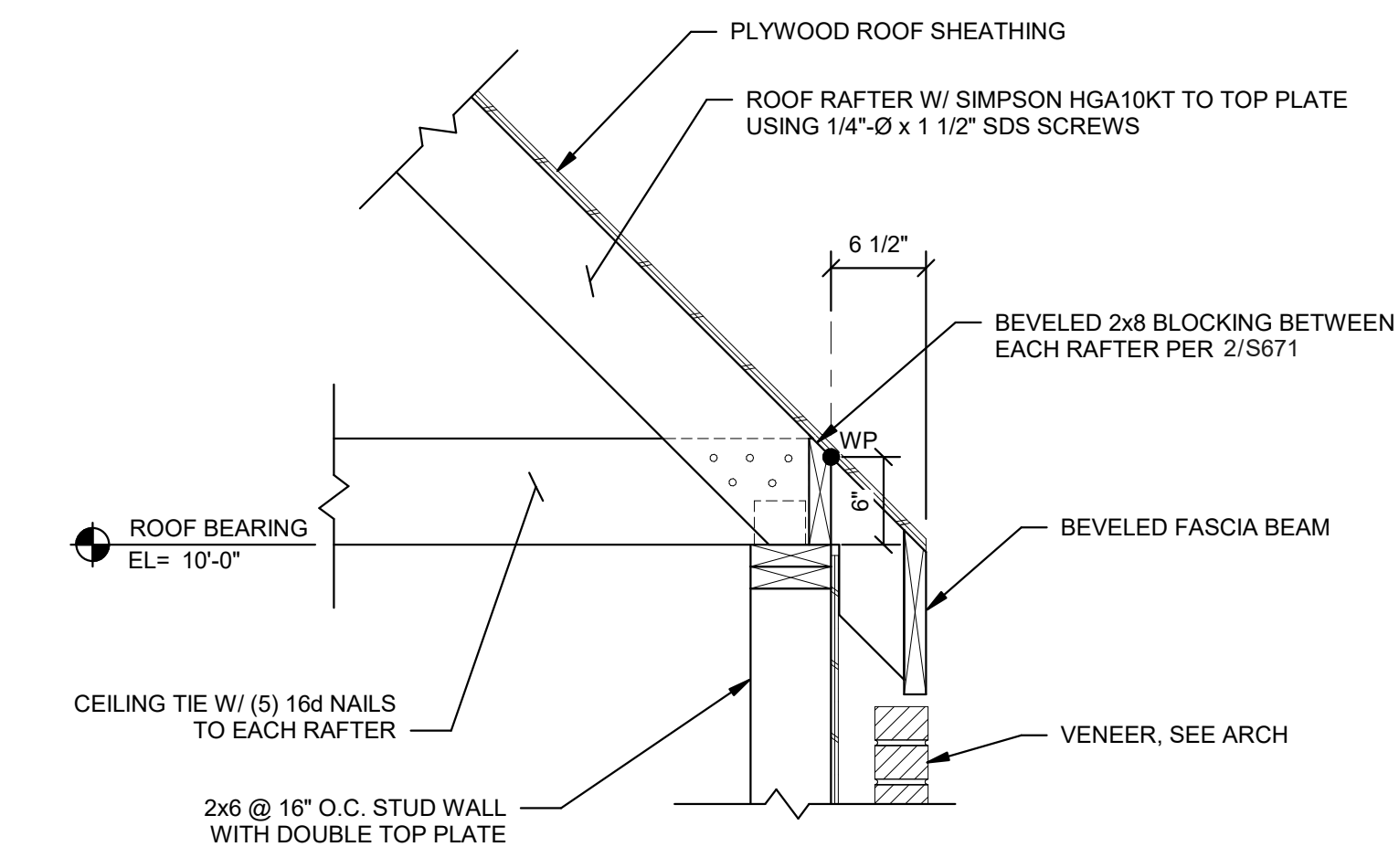
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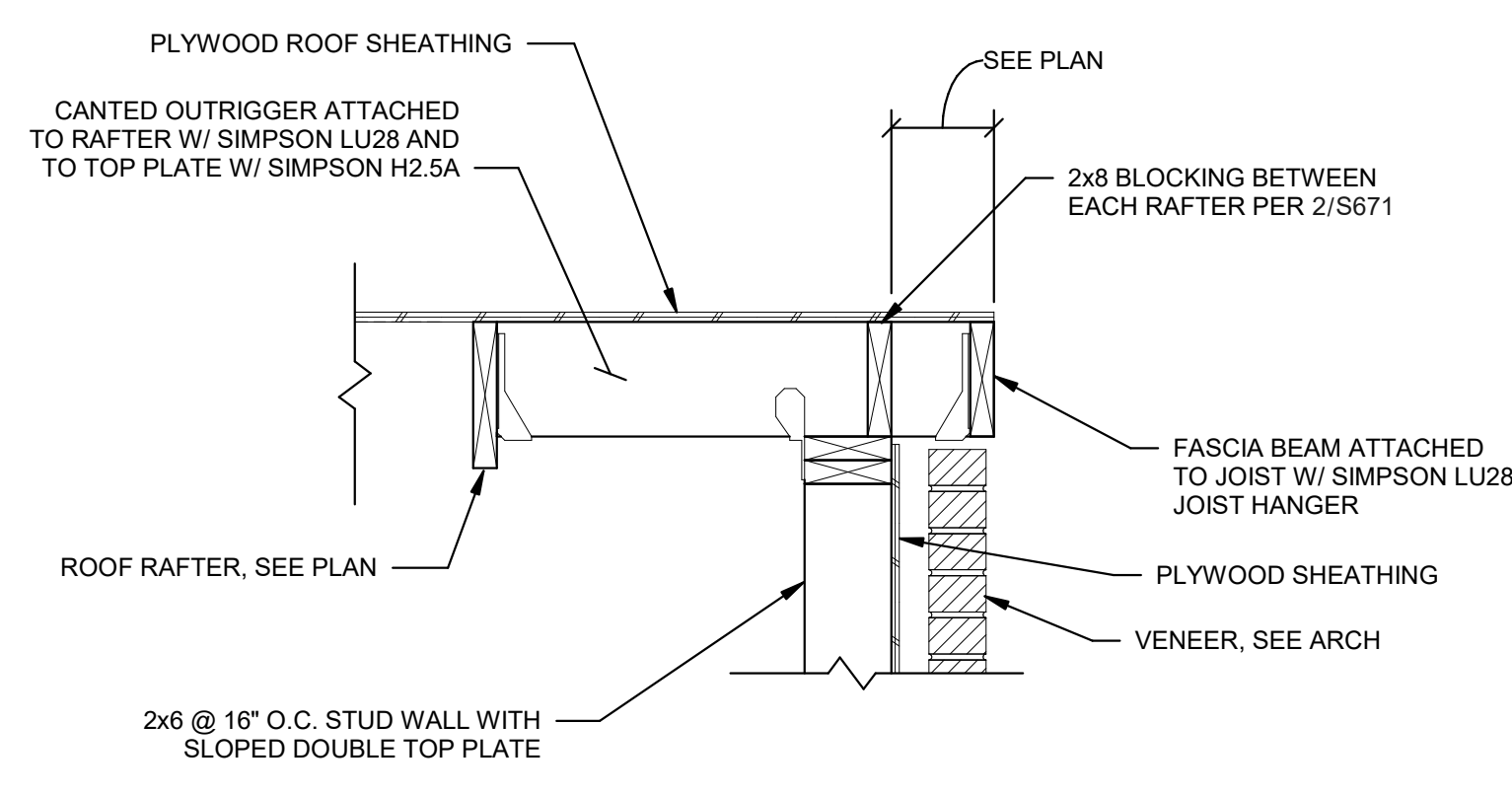
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1" = 1'-0"



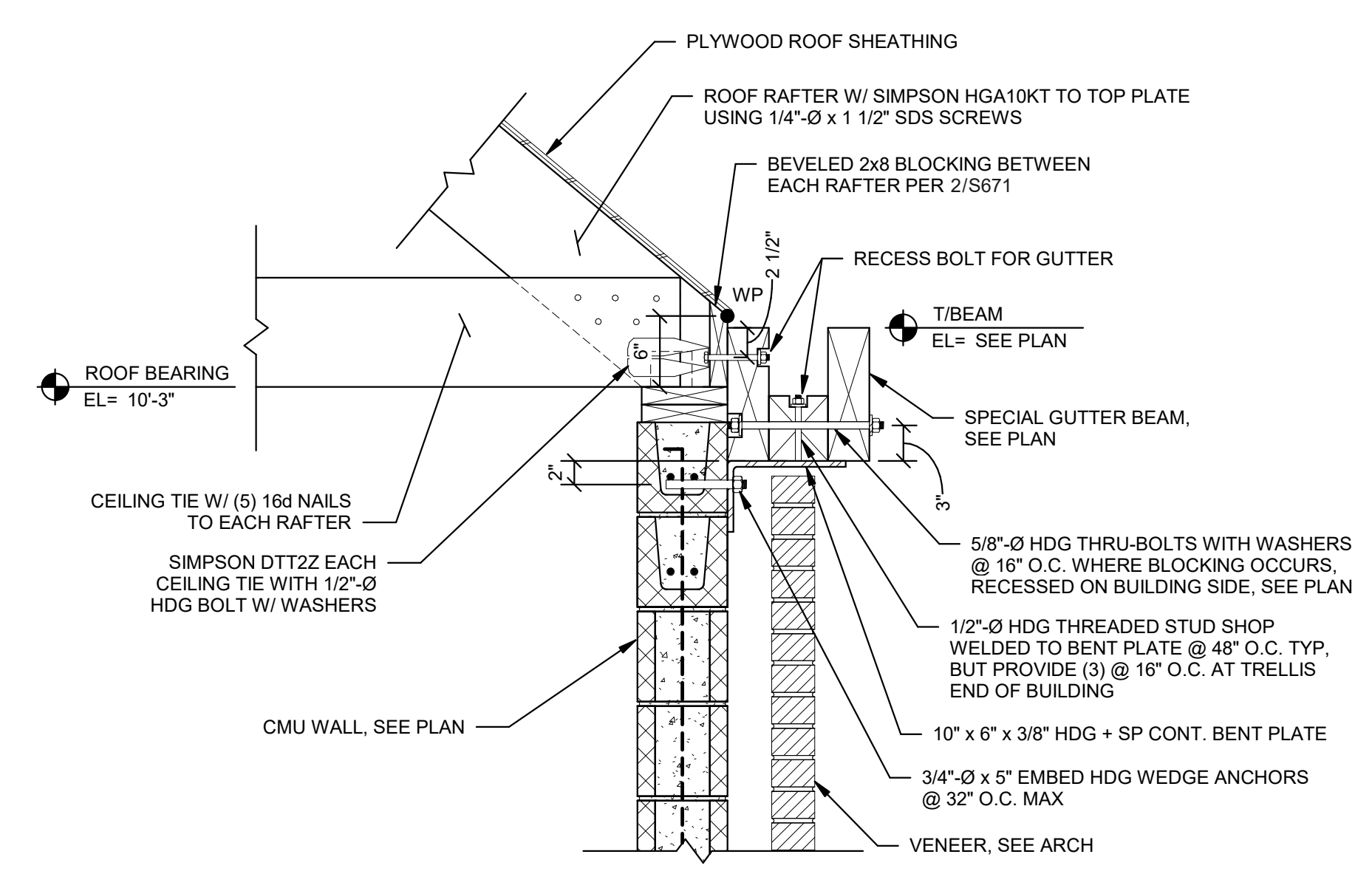
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1" = 1'-0"



2 SECTION
1" = 1'-0"



4 SECTION
1" = 1'-0"



1 SECTION
1" = 1'-0"

MULTI-SPLIT HEAT PUMP SYSTEM SCHEDULE																							
EQUIPMENT NUMBER	AREA SERVED	MANUF.	MODEL	INDOOR UNIT										OUTDOOR UNIT							NOTES AND ACCESSORIES		
				COOLING		HEATING	AIRFLOW		ELECTRICAL			OPER. WT. (LBS)	EQUIPMENT NUMBER	MANUF.	MODEL	COOLING CAPACITY (MBH)	HEATING CAPACITY @ 5°F (MBH)	SEER/HSFP	POWER SUPPLY			OPER. WT. (LBS)	
				TOTAL (MBH)	SENS. (MBH)	HEAT (MBH)	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	ELECT. CHAR. (V/PH/Hz)	MCA	MOCP								ELECT. CHAR. (V/PH/Hz)	MIN CIR. AMPACITY			MOCP
IU-2-1, 2-2, 2-3, 2-4	ROOMS 201, 202, 203, 204	TRANE	TPKFYP006	6.0	4.8	6.7	155	N/A	208/1/60	0.20	15	30	HP-2	TRANE	NTXMSH36A142AA	36.0	42.0	20.7/12.1	230/1/60	36.0	40	300	1 THRU 6
IU-3-1, 3-2, 3-3, 3-4	ROOMS 205, 206, 207, 208	TRANE	TPKFYP006	6.0	4.8	6.7	155	N/A	208/1/60	0.20	15	30	HP-2	TRANE	NTXMSH36A142AA	36.0	42.0	20.7/12.1	230/1/60	36.0	40	300	1 THRU 6

OUTDOOR UNIT RATINGS AND PERFORMANCE SHALL BE BASED ON OUTDOOR TEMPERATURES OF 95°F SUMMER AND 43° WINTER.
 EQUAL PRODUCTS BY MITSUBISHI, DAIKIN OR PRIOR APPROVED EQUAL.

NOTES/ACCESSORIES:
 1. PROVIDE WIRED WALL MOUNTED ROOM TEMPERATURE CONTROLLER (WITH TEMPERATURE SENSOR) FOR EACH INDOOR UNIT.
 2. HEATING DOWN TO 5°F. PROVIDE WIND BAFFLE.
 3. PROVIDE FACTORY Y-BRANCH FITTINGS FOR ALL REFRIGERANT BRANCH LINE CONNECTIONS.
 4. REFRIGERANT PIPING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 5. BUILT-IN BASE PAN HEATER
 6. VARIABLE SPEED INVERTER DRIVEN COMPRESSOR.

DUCTLESS SPLIT SYSTEM UNIT SCHEDULE																					
EQUIPMENT TAG	AREA SERVED	MANUF.	MODEL	REFRIG. TYPE	INDOOR UNIT					OUTDOOR UNIT										NOTES AND ACCESSORIES	
					COOLING COIL CAPACITY @ 55°F OUTDOOR TEMPERATURE		SUPPLY FAN	ELECTRICAL			OPER. WT. (LBS)	EQUIPMENT TAG	MANUFACTURER	MODEL	NOMINAL CAPACITY (TONS)	SEER	POWER SUPPLY				OPER. WT. (LBS)
					TOTAL (MBH)	SENS. (MBH)	AIR FLOW (CFM)	V/PH/Hz	MCA	MOCP							ELECT. CHAR. (V/PH/Hz)	MIN CIR. AMPACITY	MOCP		
IU-1	OFFICE 101	TRANE	NTXWPH12B112AA	410a	12,000	9,600	190	208/1/60	1.0	SEE NOTE 6	31	HP-1	TRANE	MUY-GL09NA	1.0	26.3	208/1/60	11	15	81	1 THRU 6

EQUAL PRODUCTS BY: DAIKIN, LG, TRANE

NOTES & ACCESSORIES:
 1. REFRIGERANT PIPING AND SPECIALTIES SHALL BE SIZED BY MANUFACTURER.
 2. HARDWIRED CONTROLLER WITH BUILT-IN TEMPERATURE SENSOR.
 3. BUILT-IN CONDENSATE PUMP.
 4. REFRIGERANT PIPING & ACCESSORIES PER MANUFACTURER'S REQUIREMENTS.
 5. COOLING CAPABILITY DOWN TO 0° OA TEMPERATURE.
 6. POWER FOR INDOOR UNITS FED FROM OUTDOOR UNIT.

EXHAUST FAN SCHEDULE										
EQUIPMENT TAG	MANUFACTURER	MODEL	AIRFLOW	E.S.P. (N. WC)	FAN RPM	DRIVE	MOTOR WATTS OR HP	SONES	ELECTRICAL (V/PH/Hz)	ACCESSORIES
EF-1,2,3,4,5,6,7,8	PENN-BARRY	ZJ1	75	0.25	760	DIRECT	75 W	1.0	115/1/60	1,2,3,4,5

EQUAL PRODUCTS BY GREENHECK, COOK, TWIN CITY, CARNES.

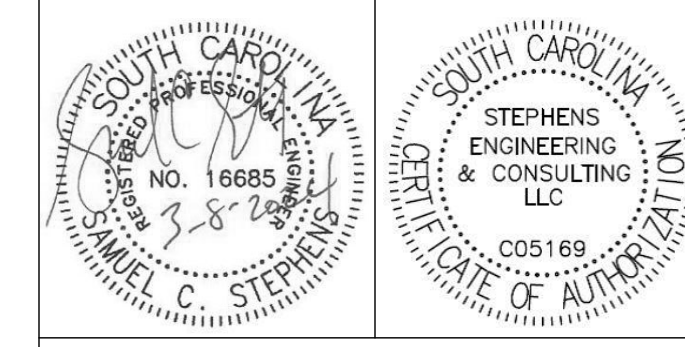
ACCESSORIES:
 1. BACKDRAFT DAMPER
 2. SPEED CONTROLLER (INSTALL ON WALL IN UTILITY CHASE)
 3. FACTORY DISCONNECT

LOUVER SCHEDULE				
MARK	MANUFACTURER	MODEL	SIZE	ACCESSORIES
L-1	POTTORF	EFD-437	12"x12"	1,2
L-2,3	POTTORF	EFD-437	16"x16"	1,2

ACCESSORIES:
 1. KYNAR 500 FINISH (COLOR SELECTED BY THE ARCHITECT)
 2. BIRD SCREEN

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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1
 3271 Neely Store Road
 Rock Hill, SC 29730

DATE	MARK	DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS
 DATE: 03.08.2024
 PROJECT NO: 23037
 DRAWN BY: SCS
 CHECKED BY: SCS

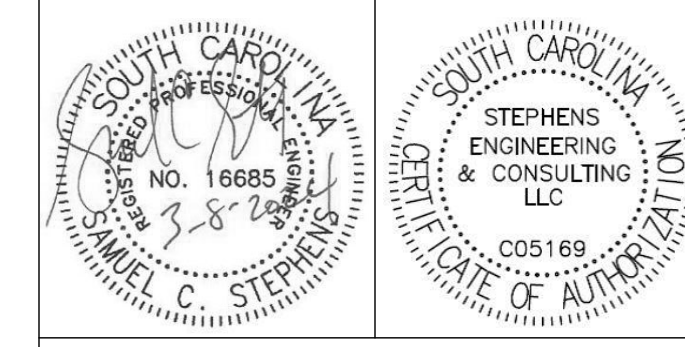
HVAC SCHEDULES

M001

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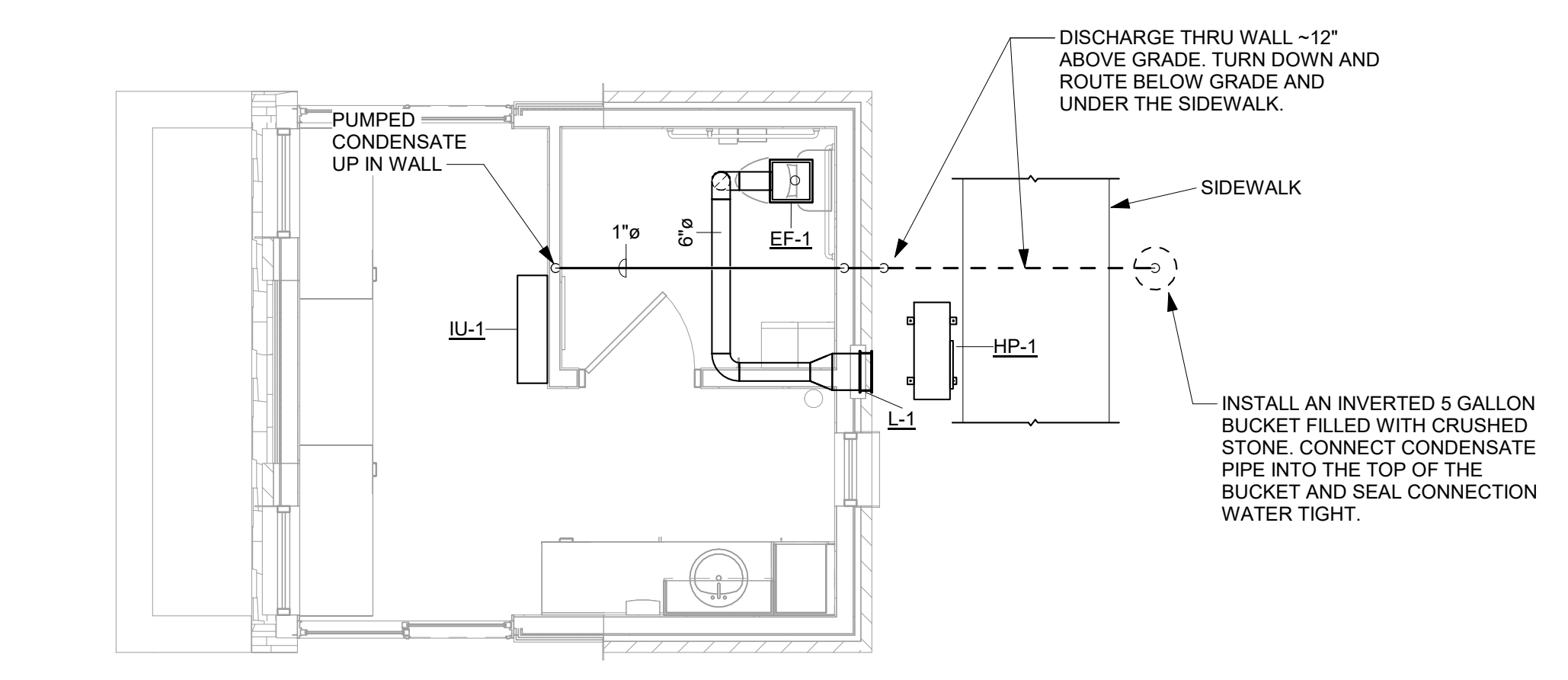
3271 Neely Store Road
Rock Hill, SC 29730

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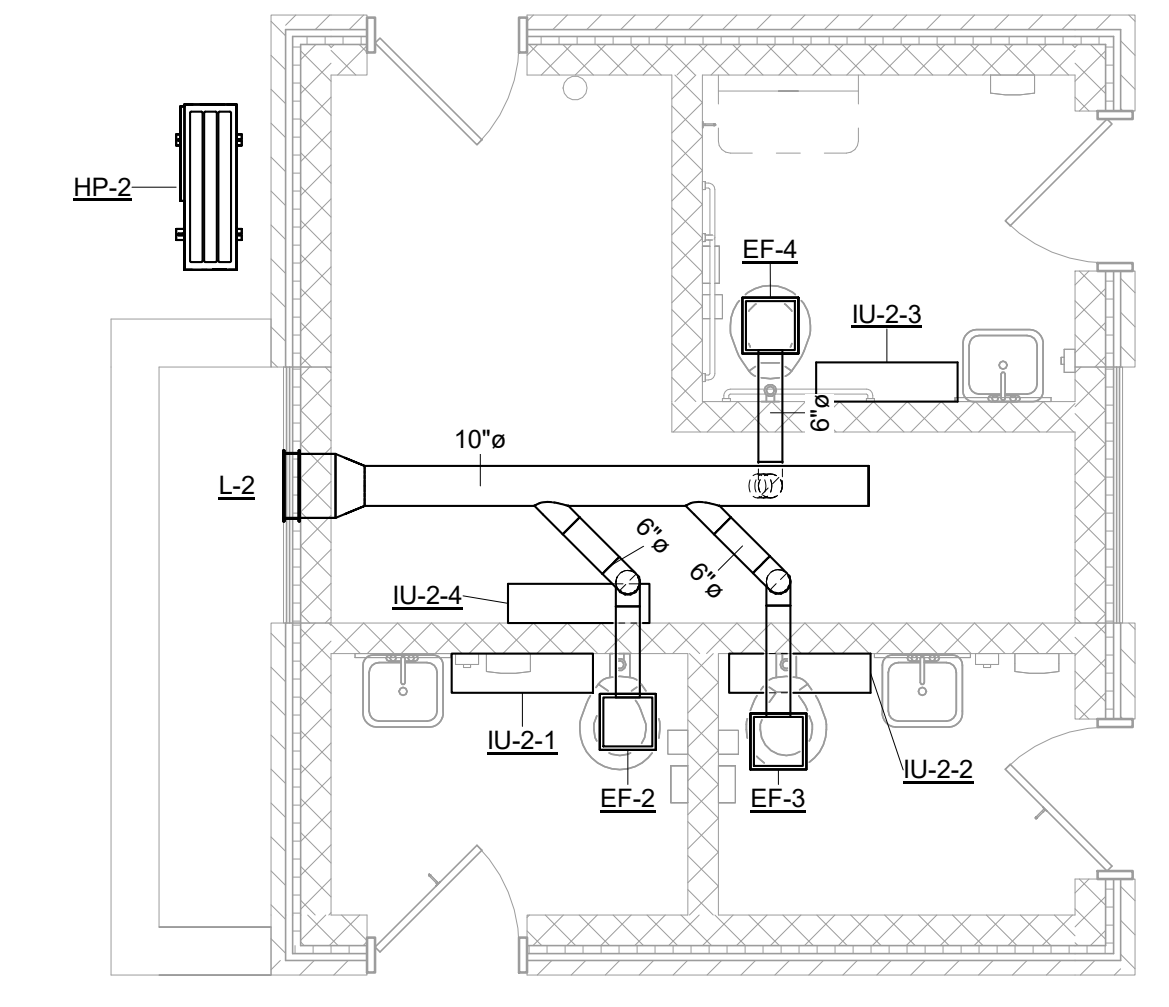
ISSUE: CONSTRUCTION DOCUMENTS
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HVAC PLANS

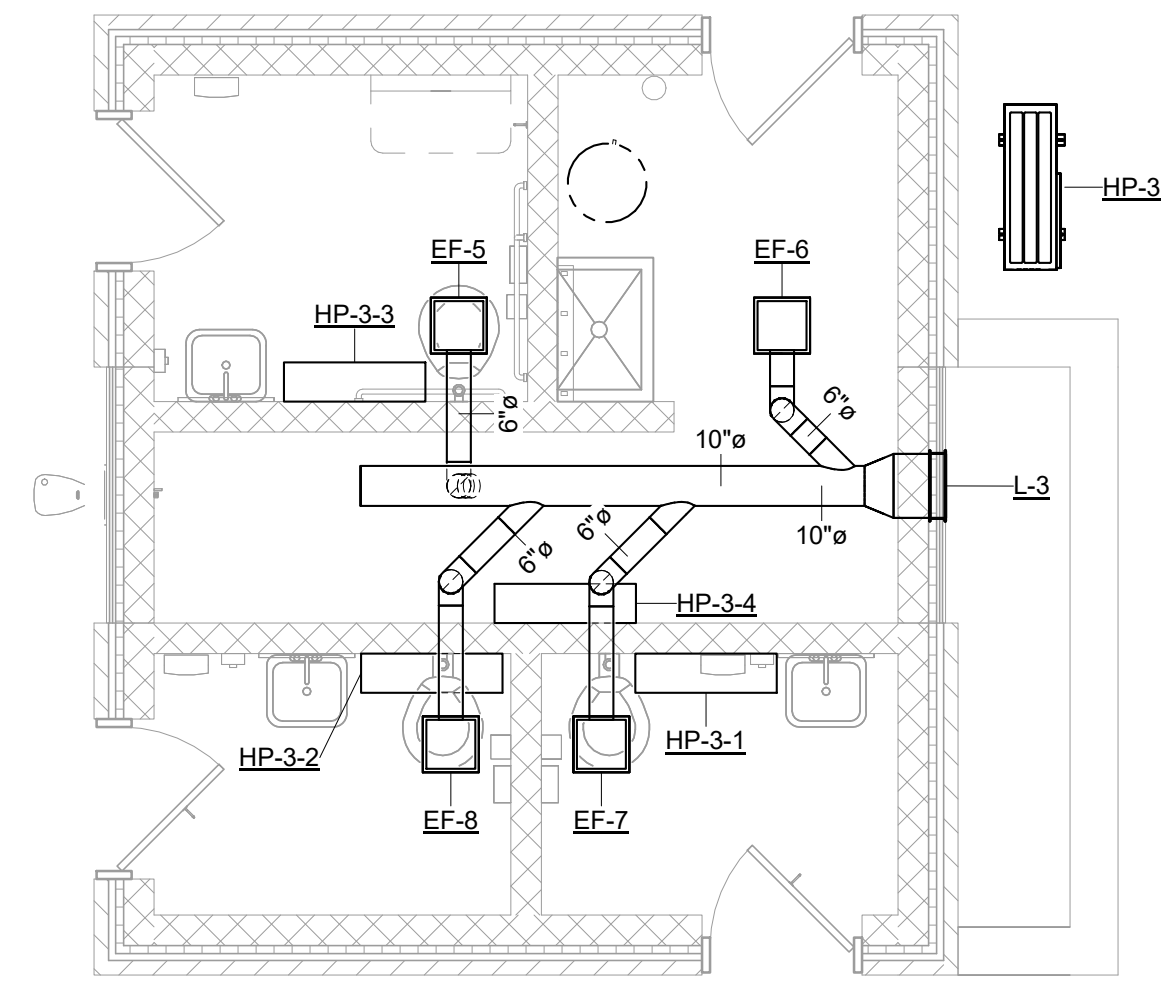
M101



1 HVAC Plan - Fee Station
1/4" = 1'-0"



2 HVAC Plan - Restroom Buildings
1/4" = 1'-0"



GENERAL NOTES (APPLIES TO ALL SHEETS):

1. ALL WORK SHALL BE PER THE INTERNATIONAL MECHANICAL CODE (2021).
2. ALL WORK SHALL BE COORDINATED WITH THE GC AND WITH ALL OTHER TRADES.
3. COORDINATE EXACT THERMOSTAT LOCATIONS WITH OWNER AND GC.
4. PROVIDE CLEAN FILTERS PRIOR TO START-UP AND AIR BALANCING.
5. NO DUCT, PIPING, EQUIPMENT OR ANY OTHER MATERIAL SHALL BE PROCURED OR DELIVERED TO THE JOBSITE PRIOR TO BEING FULLY COORDINATED WITH JOBSITE CONDITIONS, THE GC AND ALL OTHER TRADES.
6. ROUTE CONDENSATE DRAINS FROM IU UNITS TO HUB DRAINS. HUB DRAIN LOCATIONS ARE SHOWN ON THE PLUMBING DRAWINGS.
7. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC.
8. CONDENSATE PIPING SHALL BE INSULATED WITH 3/4" CLOSED CELL FLEXIBLE ELASTOMERIC INSULATION.
9. REFRIGERANT PIPING SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
10. ALL INTERIOR REFRIGERANT PIPE SHALL BE ROUTED EXPOSED IN THE ELECTRICAL/STORAGE ROOM 204 AND THE JANITOR ROOM 207. NO PIPING SHALL BE EXPOSED IN THE RESTROOMS.

DUCT NOTES

1. ALL DUCT SHALL BE GALVANIZED STEEL AND SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA (2021).
2. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
3. ALL DUCT JOINTS (LONGITUDINAL AND TRANSVERSE) SHALL BE SEALED. SEALANT SHALL BE "IRON GRIP 601", "VERSAGRIP 102" OR APPROVED EQUAL THAT MEETS UL-181B-M.
4. ALL EXHAUST FAN BRANCH DUCTS SHALL CONNECT TO THE MAIN DUCT VIA 45° CONNECTIONS.

DUCT INSULATION:

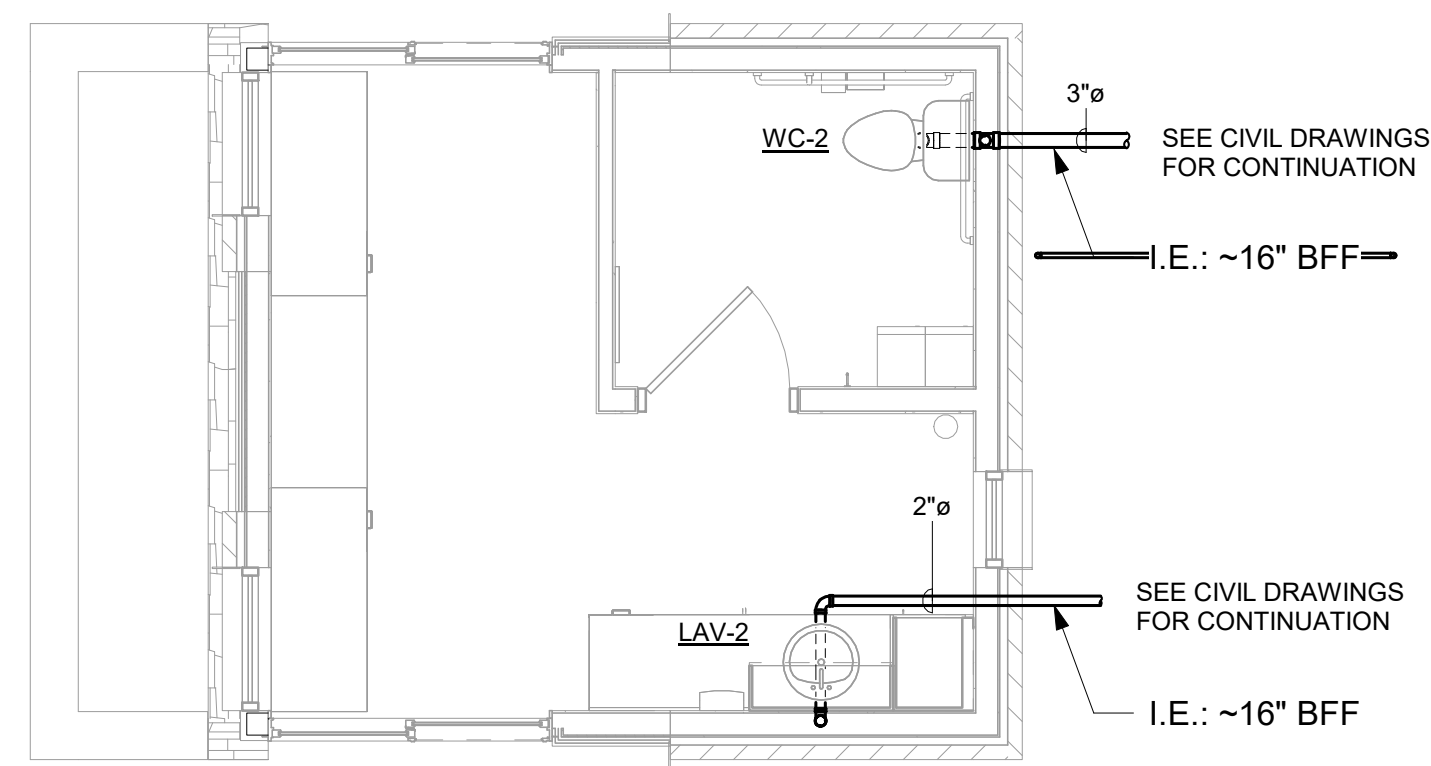
1. ALL EXHAUST AIR DUCTS SHALL BE INSULATED WITH DUCTWRAP INSULATION AS INDICATED IN THE HVAC INSULATION SCHEDULE (CERTAINTEE, JOHNS MANVILLE, OWENS CORNING OR KNAUF). DUCT HANGERS SHALL BE INSTALLED BETWEEN THE DUCT AND INSULATION.
2. ALL DUCTWRAP INSULATION SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS. ALL DUCT JOINTS, SEAMS, TEARS, HANGER PROTRUSIONS, ETC. SHALL BE SEALED WITH FSK TAPE AND VAPOR BARRIER MASTIC. VAPOR BARRIER MASTIC SHALL BE EQUAL TO CHILDERS CP-35 OR CP-30.
3. ALL INSULATION FOR RECTANGULAR DUCTS SHALL, IN ADDITION TO THE MANUFACTURER'S REQUIREMENTS, SHALL BE APPLIED TO DUCTS WITH ADHESIVE APPLIED IN 6" WIDTHS AT 12" ON CENTER. IN ADDITION, INSTALL WELD PINS AND SPEED WASHERS ON BOTTOM OF HORIZONTAL DUCTS AND SIDES OF VERTICAL DUCTS. PINS SHALL BE SPACED 16" ON CENTER EACH WAY. TRIM EXCESS PORTION OF PINS EXTENDING BEYOND SPEED WASHERS.

HVAC INSULATION SCHEDULE

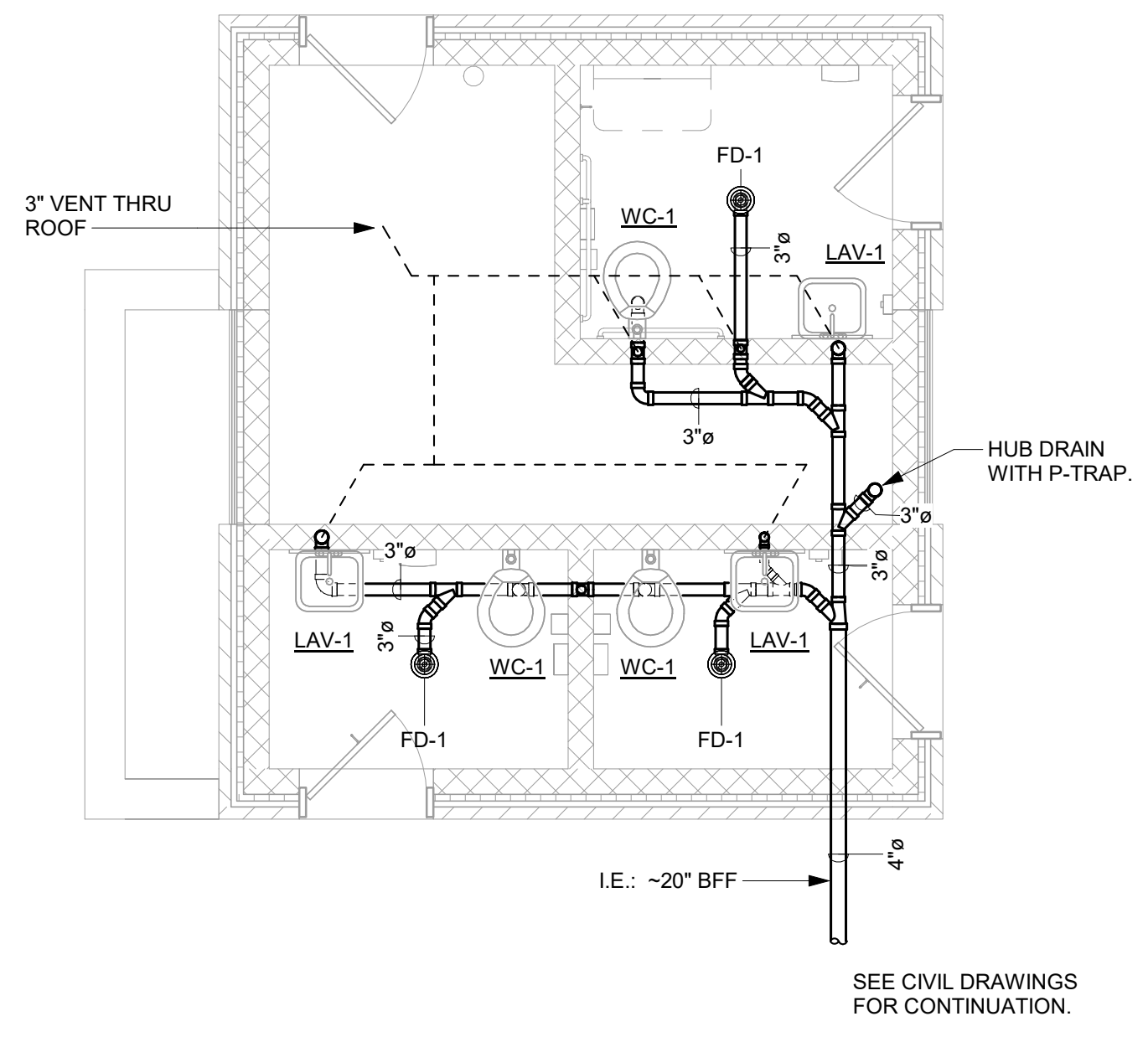
SERVICE	SERVICE TYPE	INSULATION MATERIAL	THICKNESS (INSTALLED) INCHES	MANUFACTURER	FACTORY APPLIED JACKET	FIELD APPLIED JACKET	
						TYPE	MANUFACTURER AND MODEL
DUCT	EXHAUST AIR	MINERAL FIBER BLANKET	2.0	OWENS CORNING, KNAUF, CERTAINTEE	FSK	NONE	N/A
	REFRIGERANT SUCTION, INTERIOR	FLEXIBLE ELASTOMERIC	1.0	ARMAFLEX, ARMACELL, KFLEX	NONE	NONE	N/A
PIPE	REFRIGERANT SUCTION, EXTERIOR	FLEXIBLE ELASTOMERIC	1.0	ARMAFLEX, ARMACELL, KFLEX	NONE	ALUMINUM 0.016"	CHILDERS/ITW
	CONDENSATE DRAIN	FLEXIBLE ELASTOMERIC	3/4	ARMAFLEX, ARMACELL, KFLEX	NONE	NONE	N/A

PLUMBING LEGEND	
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER RE-CIRCULATION
---	VENT PIPING
V	VENT
VTR	VENT THRU ROOF
	BALL VALVE
	FLOOR DRAIN, SQUARE
	FLOOR DRAIN, ROUND
	FLOOR SINK

ALL VENT PIPING SHALL BE MINIMUM OF 2" EXCEPT WHERE INDICATED AS LARGER



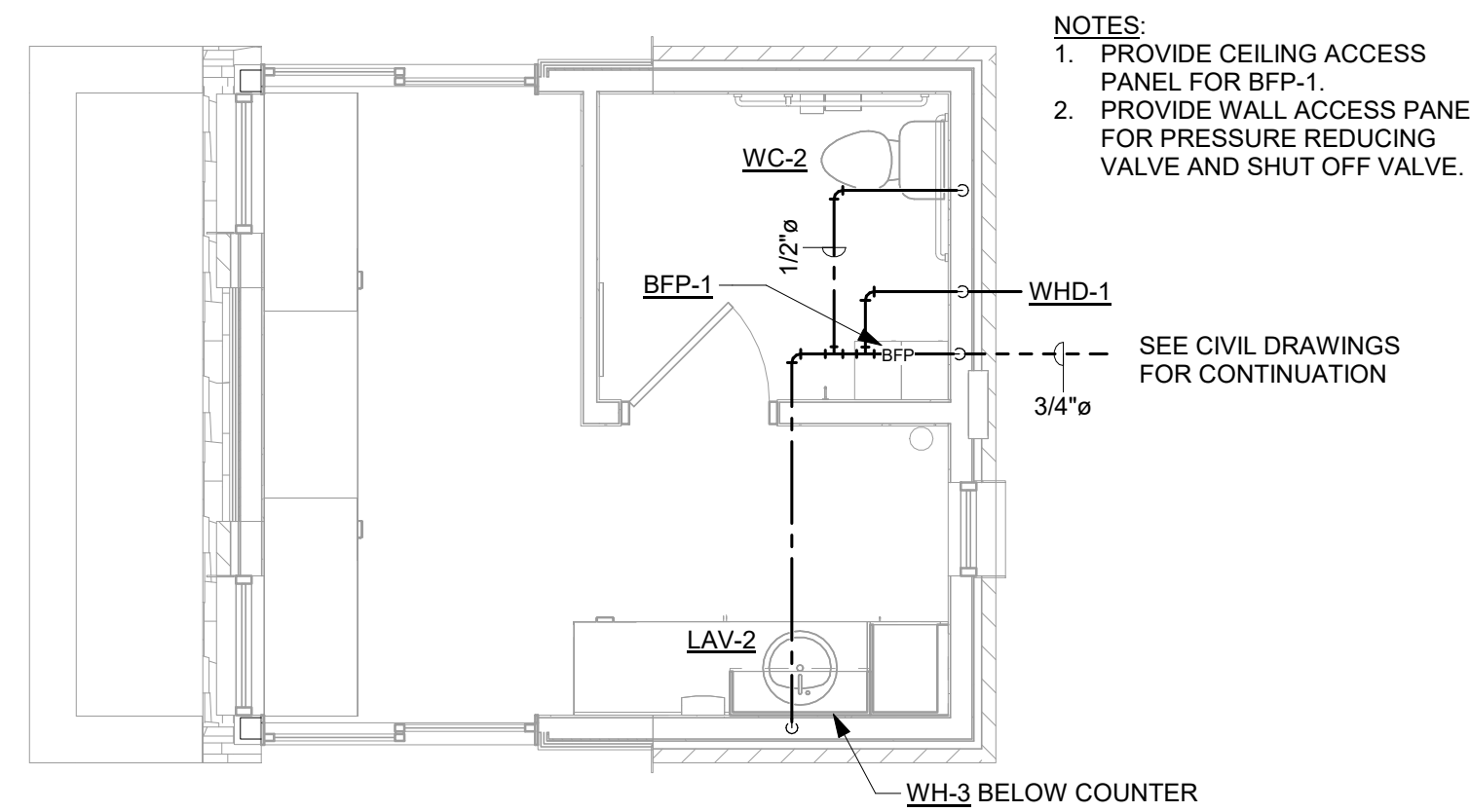
2 Waste Piping Plan - Fee Station
1/4" = 1'-0"



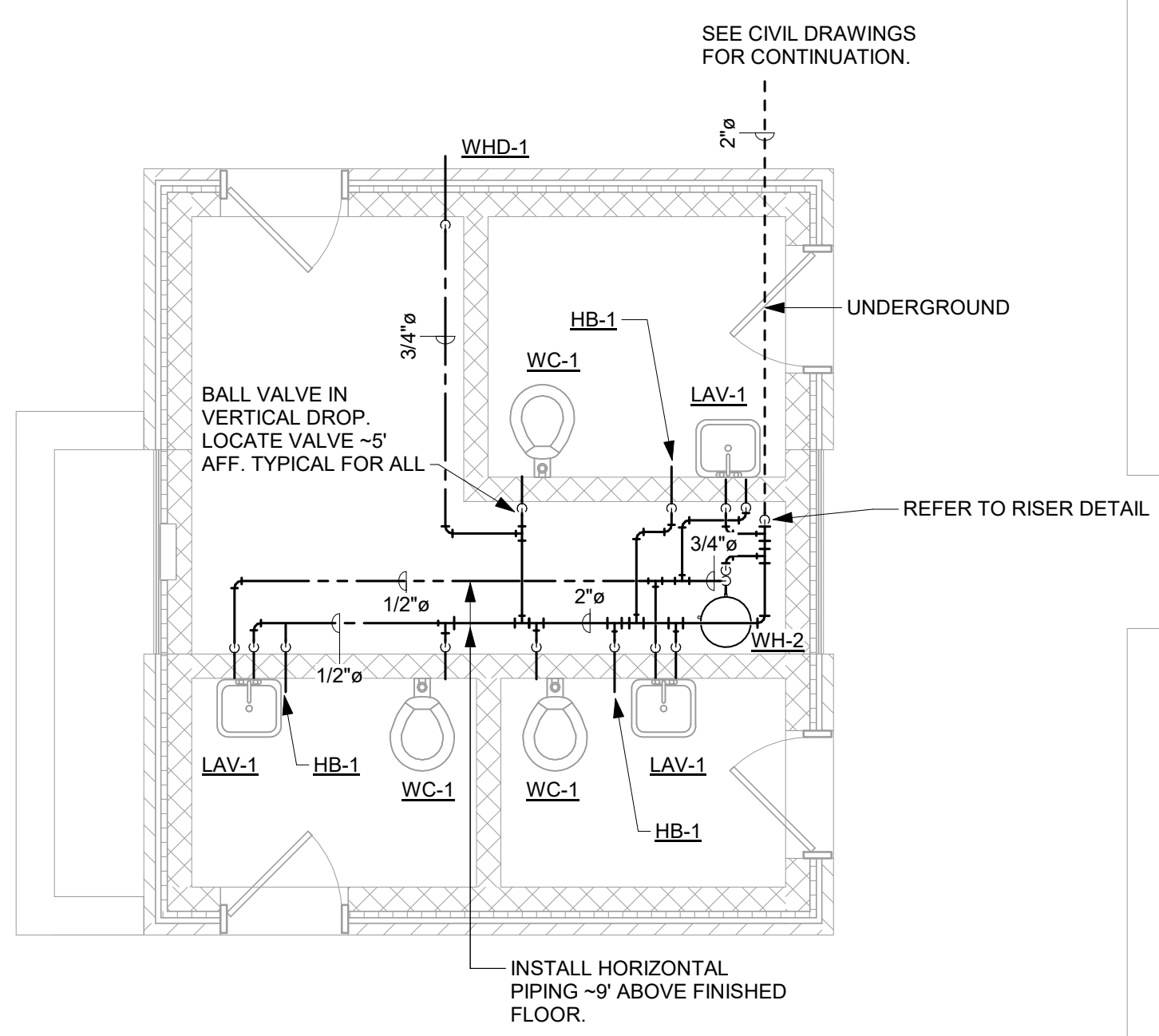
1 Waste Piping Plan - Restrooms
1/4" = 1'-0"

KEYED NOTES:

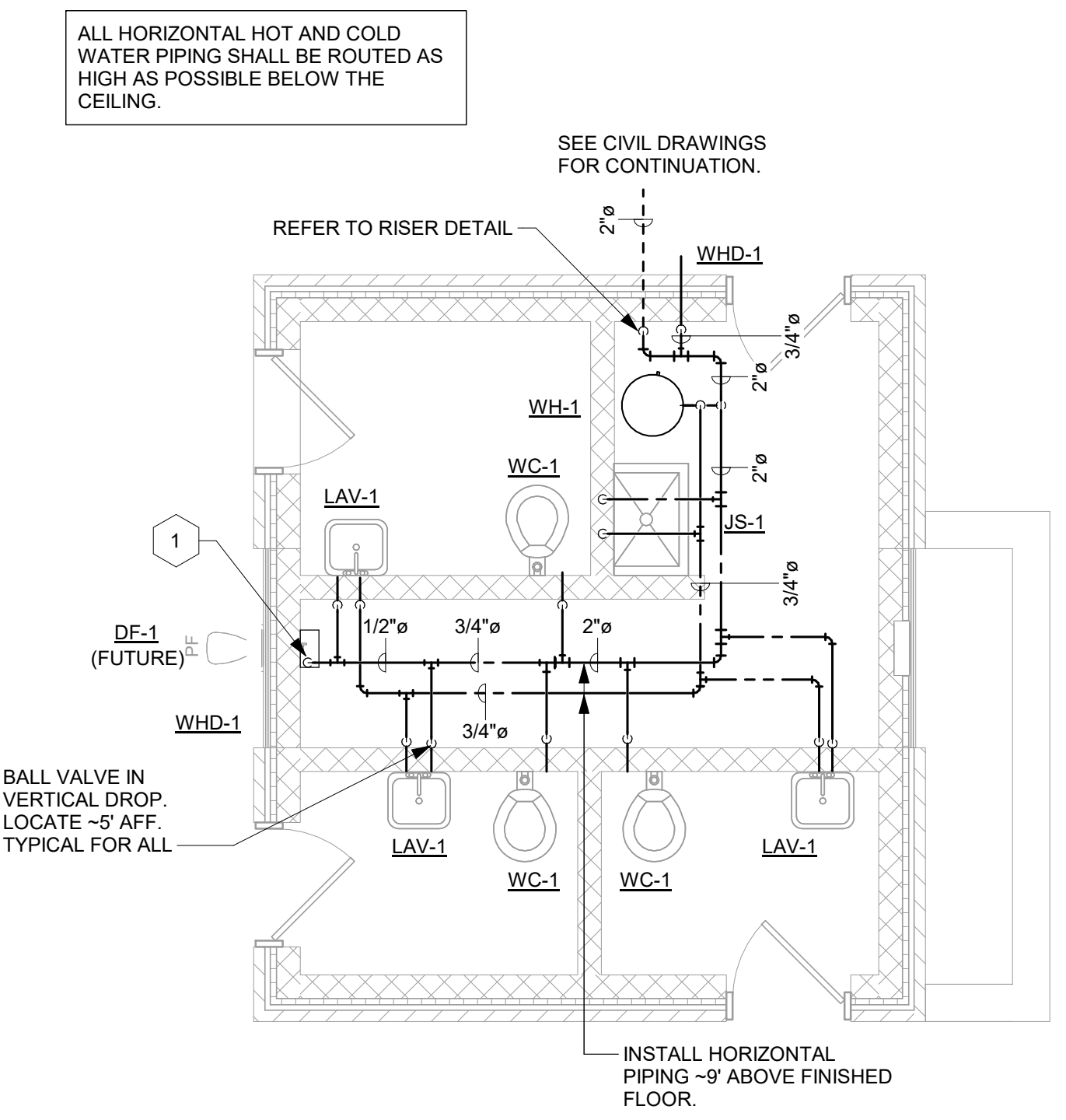
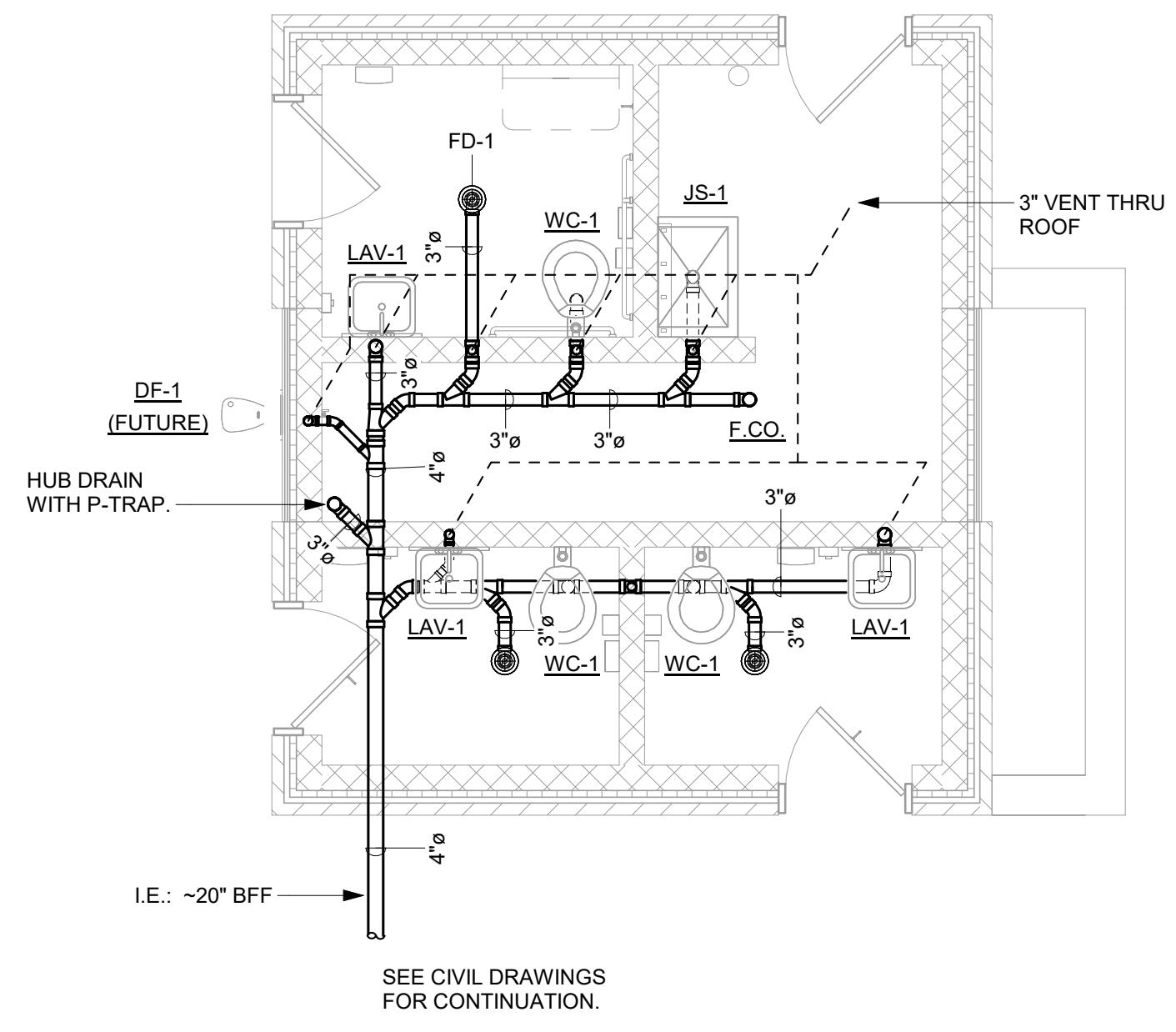
1 1/2" CW WITH BALL VALVE FOR FUTURE DRINKING FOUNTAIN DF-1.



3 Domestic Water Piping Plan - Fee Station
1/4" = 1'-0"



4 Domestic Water Piping Plan - Restrooms
1/4" = 1'-0"



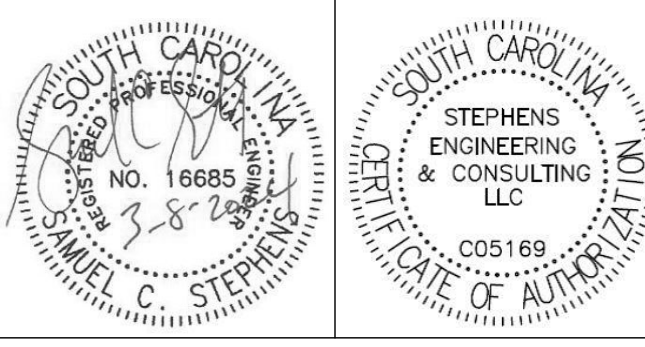
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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

3271 Neely Store Road
Rock Hill, SC 29730

DATE	MARK	DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
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PLUMBING PLANS

P101

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SYMBOL	DESCRIPTION
	<p>CIRCUITS AND CONDUIT</p> <p>HOME RUN TO LIGHTING/SERVICE PANEL. HASH MARKS, WHEN SHOWN, INDICATE NUMBERS OF CONDUCTORS. "/> INDICATES HOT WIRE. "N" INDICATES NEUTRAL CONDUCTOR. "G" INDICATES GROUND CONDUCTOR. HOME RUN NOTE INDICATES PANEL NAME AND CIRCUIT NAME OR FEEDER TAG. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. ANY HOME RUN OR CONDUIT WITHOUT HASH MARKS IS TO CONTAIN 3 CONDUCTORS: 1 HOT, 1 NEUTRAL, AND 1 EQUIPMENT GROUND. EACH HOT CIRCUIT SHALL BE PAIRED WITH A SEPARATE NEUTRAL CONDUCTOR. SHARING OF NEUTRAL CONDUCTORS BETWEEN CIRCUITS IS NOT ALLOWED.</p> <p>EXPOSED CONDUIT</p> <p>CONDUIT RUN IN SLAB OR UNDERGROUND.</p> <p>CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS, UNLESS NOTED OTHERWISE.</p> <p>CONDUIT JUNCTION IN CONDUIT OR JUNCTION BOX.</p> <p>FLEXIBLE CONDUIT</p> <p>CONDUIT TURNING UP</p> <p>CONDUIT TURNING DOWN</p> <p>EQUIPMENT</p> <p>LIGHTING OR SERVICE PANEL, SURFACE MOUNTED (240V)</p> <p>LIGHTING OR SERVICE PANEL, FLUSH MOUNTED (240V) PROVIDE 6-3/4" SPARE CONDUITS UP FROM PANEL INTO CEILING SPACE FOR FUTURE</p> <p>EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR FAN SPECIFICATIONS.</p> <p>WATER HEATER.</p> <p>SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING. "20" INDICATES FUSE SIZES. "3P" INDICATES NUMBER OF POLES. ENCLOSURE TO BE NEMA 1 UNLESS NOTED. OTHERWISE (3R, 4R, ETC.) SQUARE D H300 SERIES HEAVY DUTY SAFETY SWITCH.</p> <p>HAND HOLE. SEE PLANS FOR SIZE.</p> <p>WIRING DEVICES</p> <p>NOTE: ALL WIRING DEVICES TO BE IVORY, WITH #302 STAINLESS STEEL COVERPLATE (FLUSH MOUNTED) UNLESS NOTED OTHERWISE ON THE DRAWING OR SPECIFICATIONS.</p> <p>STRAIGHT BLADE DEVICE SYMBOLS</p> <p>20A, 120V, 2P, 3W, NEMA 5-20R, TAMPER RESISTANCE, DUPLEX RECEPTACLE, HURBLEE 3563-1TR OR EQUAL. STANDARD POWER. "WP" DENOTES WEATHER RESISTANT TYPE RECEPTACLE WITH CAST IN-USE COVER. "GFCI" DENOTES GFCI TYPE. "C" DENOTES RECEPTACLE TO BE FLUSH MOUNTED IN CEILING.</p> <p>SAME AS "C" ABOVE EXCEPT BOTTOM OF OUTLET MOUNTED ABOVE COUNTER HEIGHT</p> <p>QUADRAPLEX - TWO DUPLEX OUTLETS MOUNTED IN A TWO GANG BOX WITH TWO GANG COVER PLATE</p> <p>SWITCH SYMBOLS</p> <p>MANUAL MOTOR STARTER</p> <p>SINGLE POLE LIGHTING SWITCH 120-277 VOLT, 20 AMP, SPEC GRADE. LETTER ("M") DESIGNATES WHICH FIXTURES ARE CONTROLLED FROM WHICH SWITCHES WHEN MULTIPLE SWITCHES ARE USED ON ONE CIRCUIT.</p> <p>SAME AS "S" ABOVE EXCEPT "3" IN SUBSCRIPT DENOTES 3-WAY SWITCH.</p> <p>DUAL-TECHNOLOGY WALL SWITCH/OCCUPANCY SENSOR - WATTSTOPPER # DSW-301</p> <p>ASTRO DIGITAL TIMER, 3R ENCLOSURE, TORK MODEL EWZ201C OR EQUAL. CONTAINS MANUAL OVERRIDE FUNCTION.</p> <p>360° DUAL-TECHNOLOGY LOW VOLTAGE CEILING OCCUPANCY SENSOR WITH POWER PACK - WATTSTOPPER # DT-300 (SEE DETAILS/E002)</p> <p>BOXES AND POKE-THRU'S</p> <p>JUNCTION BOX STEM INDICATES WALL MOUNTED</p> <p>COMMUNICATIONS</p> <p>COMBINATION DATA/TELEPHONE OUTLET WITH 1" CONDUIT TO CEILING, WITH PULL WIRE, JACKS, CABLE AND BOX COVER BY SYSTEM INSTALLER. "W" INDICATES WALL PHONE OUTLET, 54" A.F.F.</p> <p>TELECOM BOARD (SEE DETAIL 4/E002)</p> <p>LIGHTING FIXTURES</p> <p>4" STRIP FIXTURE</p> <p>EXTERIOR WALL PACK</p> <p>SURFACE CEILING MOUNTED OR RECESSED DOWNLIGHT</p> <p>GROUND MOUNTED FLOOD LIGHT</p> <p>EMERGENCY LIGHTING UNIT. ALL EMERGENCY LIGHTS SHALL BE MOUNTED TO THE STRUCTURE.</p> <p>SECURITY</p> <p>CARD READER, PROVIDE BACK BOX AND 1 1/4" CONDUIT TO PANEL. PROVIDE 120V POWER TO CARD READER POWER SUPPLY FROM A LOCAL CIRCUIT.</p> <p>CAMERA, PROVIDE BACK BOX AND 1 1/4" CONDUIT TO ABOVE CEILING. STUB INTO BUILDING ABOVE CEILING FOR EXTERIOR CAMERAS</p>

7

ELECTRICAL GENERAL NOTES:
<p>1. INSPECT SITE PRIOR TO SUBMITTING BID. DRAWINGS ARE INTENDED TO COVER THE REQUIRED ELECTRICAL SYSTEMS. DRAWINGS MAY NOT SHOW COMPLETE OR ACCURATE DETAILS OF THE BUILDING OR SYSTEM IN EVERY RESPECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY ADDITIONAL INFORMATION AS REQUIRED.</p> <p>2. CONFORM TO THE NATIONAL ELECTRICAL CODE (2020), IBC (2021), IECC (2009), APPLICABLE NEMA, ANSI AND IEEE PUBLICATIONS, U.L. AND ADA STANDARDS AND OSHA REQUIREMENTS. COMPLY WITH LOCAL, COUNTY, STATE AND NATIONAL CODES HAVING JURISDICTION.</p> <p>3. FURNISH AND INSTALL ALL MATERIALS IN A NEAT AND WORKMANLIKE FASHION. ALL MATERIALS SHALL BE NEW, WITH FIRST QUALITY AND UL LABEL.</p> <p>4. VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND RACEWAYS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES AS REQUIRED.</p> <p>5. CONDUIT SHALL BE EMT FOR BRANCH CIRCUIT WIRING AS ALLOWED BY NEC, EXCEPT THAT SET SCREW OR CRIMP FITTINGS ARE NOT ALLOWED. WHERE EXPOSED TO PHYSICAL DAMAGE CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL CONDUCTORS SHALL BE TYPE THHN/THWN, STRANDED 800V COPPER BUILDING WIRE. MINIMUM SIZE SHALL BE #12 AWG COPPER UNLESS NOTED. UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 WITH TRANSITION TO RIGID GALVANIZED STEEL FOR EXPOSED CONDUITS.</p> <p>6. PROVIDE GROUNDING FOR ALL EQUIPMENT IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE. GROUND SERVICE TO BUILDING STEEL, DRIVEN GROUND ROD AND COLD WATER PIPE.</p> <p>7. ALL ENCLOSURES SHALL BE OF THE NEMA TYPE WHICH IS SUITABLE FOR THE APPLICATION.</p> <p>8. SEAL ALL CONDUIT PENETRATIONS TO MATCH RATING OF WALL BEING PENETRATED.</p> <p>9. ALL WORK SHALL HAVE PROPER LABELING AND NAMEPLATES. ALL CIRCUITS SHALL BE LABELED AT PANELS AND BOXES AS INDICATED. ALL PANELS AND DISCONNECTS ARE TO BE PERMANENTLY MARKED WITH NAME OF EQUIPMENT SERVED AS WELL AS SOURCE PANEL AND CIRCUIT NUMBER PER NEC 110. ALL PANELS ARE TO BE PROVIDED WITH TYPEWRITTEN PANEL SCHEDULES.</p> <p>10. ALL BREAKERS ON CIRCUITS SUPPLYING HVAC EQUIPMENT SHALL BE TYPE HACR BREAKERS.</p> <p>11. PROVIDE TELEPHONE ENTRY CONDUIT AND CONNECTION BOARD AS REQUIRED. STUB CONDUIT INTO SPACE AND EXTEND BEYOND PAVEMENT. COORDINATE WITH TELEPHONE SERVICE PROVIDER AND PAY ALL CHARGES. SEAL ALL TELEPHONE SERVICE CONDUIT AND AROUND CARDS TO PREVENT WATER ENTRY AROUND CONDUIT OR THRU CONDUIT.</p> <p>12. COORDINATE WITH ELECTRICAL UTILITY AS REQUIRED FOR SERVICE ENTRY. INSTALL PAD, METER AND CONDUITS PER UTILITY REQUIREMENTS AND PAY ALL REQUIRED FEES OR CHARGES FOR SERVICES SHOWN.</p> <p>13. THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. INSTRUCT THE OWNERS' PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF THE SYSTEMS. FURNISH TO THE OWNER THREE SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH SYSTEM.</p> <p>14. GUARANTEE THE WORK INSTALLED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIATED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER.</p> <p>15. CONTRACTOR SHALL KEEP CURRENT A SET OF PLANS FOR THE DURATION OF CONSTRUCTION WITH ALL CHANGES TO WORK NEATLY AND ACCURATELY MARKED IN RED AND SHALL TURN OVER TO OWNER AT COMPLETION OF PROJECT.</p> <p>16. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS OF 2021 IBC.</p> <p>17. ALL PANELBOARDS SHALL BE FURNISHED WITH COPPER BUS BARS AND A COPPER GROUNDING BUS BAR.</p>

6

ABBREVIATIONS:
<p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>BKR BREAKER</p> <p>CU COPPER</p> <p>CKT CIRCUIT</p> <p>DWG DRAWING</p> <p>EC ELECTRICAL CONTRACTOR</p> <p>EMT ELECTRICAL METALLIC TUBING</p> <p>EWC ELECTRIC WATER COOLER</p> <p>FU FUSE</p> <p>GFI GROUND FAULT INTERRUPTER DEVICE</p> <p>HH HAND HOLE</p> <p>LTG LIGHTING (L)</p> <p>MLO MAIN LUGS ONLY</p> <p>MCB MAIN CIRCUIT BREAKER</p> <p>MFR MANUFACTURER</p> <p>NTS NOT TO SCALE</p> <p>PH PHASE</p> <p>PNL PANEL</p> <p>PVC POLYVINYL CHLORIDE CONDUIT</p> <p>RECP RECEPTACLE (R)</p> <p>REQD REQUIRED</p> <p>RGS RIGID GALVANIZED STEEL</p> <p>SW SWITCH</p> <p>TYP TYPICAL</p> <p>UV UNIT VENTILATOR</p> <p>UH UNIT HEATER</p> <p>UGND UNDERGROUND</p> <p>W WITH</p> <p>WH WATER HEATER</p> <p>WP WEATHER PROOF</p> <p>XFMR TRANSFORMER</p>

5

GENERAL LIGHTING NOTES:
<p>1. MANUFACTURER'S NUMBERS ARE LISTED TO ESTABLISH QUALITY ONLY AND NOT TO LIMIT COMPETITION. PRIOR TO BIDDING, SUBSTITUTIONS ARE ALLOWED SUBJECT TO SUBMITTAL DATA, PHOTOMETRICS & ENGINEERS APPROVAL AS REQUIRED BY SPECIFICATIONS. "SUBJECT TO APPROVAL" BIDS ARE PROHIBITED.</p> <p>2. ALL FIXTURES TO BE U.L., E.T.L. OR C.S.A. LABELED. ALL EXTERIOR FIXTURES SHALL HAVE WET LABEL OR DAMP LABEL AS REQUIRED BY LOCATION. CONTRACTOR SHALL VERIFY BEFORE SUBMITTING FIXTURE.</p> <p>3. PROVIDE ALL MOUNTING ACCESSORIES, BAR HANGARS & HARDWARE REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECT'S REFLECTED CEILING PLAN.</p> <p>4. INTEGRAL EMERGENCY BATTERIES SHALL PROVIDE A MINIMUM OF 10W OUTPUT. BATTERIES SHALL CONTAIN INTEGRAL SENSING CIRCUIT TO ALLOW FIXTURE TO BE SWITCHED WITH AREA FIXTURES FOR NORMAL OPERATION AND ENERGIZE BATTERY POWERED FIXTURE UPON LOSS OF POWER CIRCUIT, REGARDLESS OF SWITCH POSITION. MANUFACTURER SHALL BE BODINE OR APPROVED EQUAL.</p>

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MOUNTING HEIGHT	LAMP	WATTAGE	VOLTAGE
FL	48" EXTERIOR LINEAR STAKE MOUNTED (18"), 4000K, EXTRUDED ALUMINUM HOUSING, TEXTURED BRONZE, IP67	INSIGHT LIGHTING # PEX-MQ-30K-XX-6060-STM-48-120-DIM-TRB-LV	GROUND	NOMINAL 2300 LM LED 3000K	32 VA	120V
IA	4" LED CHANNEL STRIP LIGHT, STEEL HOUSING, FROSTED ACRYLIC LENS, WHITE FINISH, PAF, 0-10V DIMMING DRIVER	LITHONIA # ZL1D1-48-3000LM-FST-MVOLT-35K-80CRI-WH WILLIAMS # 75R-4-L50-R35-(L40)-DIM-UNIV COLUMBIA # MPS-4-35-LV-CW-ED-J	CEILING	NOMINAL 4000 LM LED 3500K	34 VA	UNIVERSAL
IAE	SAME AS 'IA' ABOVE EXCEPT PROVIDED WITH EMERGENCY BATTERY BACKUP.	LITHONIA # ZL1D1-48-3000LM-FST-MVOLT-35K-80CRI-E15W-LCP-WH WILLIAMS # 75R-4-L50-R35-(L40)-DIM-UNIV-EM/10WLP COLUMBIA # MPS-4-35-LV-CW-ED-J-ELL-14	CEILING	NOMINAL 4000 LM LED 3500K	34 VA	UNIVERSAL
RF	4" DIA. RECESSED LED CAN LIGHT, SELF-FLANGED WITH CLEAR SEMI-SPECULAR FINISH AND 0-10V DIMMING DRIVER. SPEC GRADE	GOTHAM # EVO-3520-4AR-MWD-LSS-MVOLT-EZ10-EL WILLIAMS # 4DR-L30-8-35-EM-10W/ITS-DIM-UNIV/O-M-OF-CS-TD1 N-F1 PRESCOLITE # LTR-4RD-H-ML-20L-DM1LTR-4RD-T-ML-35K- 8-MD-SS	RECESSED	NOMINAL 2000 LM LED 3500K	27 VA	UNIVERSAL
RFE	SAME AS 'RF' ABOVE EXCEPT PROVIDED WITH EMERGENCY BATTERY BACKUP, INTEGRAL TEST SWITCH.	GOTHAM # EVO-3520-4AR-MWD-LSS-MVOLT-EZ10-EL WILLIAMS # 4DR-L30-8-35-EM-10W/ITS-DIM-UNIV/O-M-OF-CS-TD1 N-F1 PRESCOLITE # LTR-4RD-H-ML-20L-DM1LTR-4RD-T-ML-35K- 8-MD-SS	RECESSED	NOMINAL 2000 LM LED 3500K	27 VA	UNIVERSAL
WD	11" WALL SCONCE, CYLINDRICAL DOWNLIGHT, SURFACE MOUNTED, WIDE FLOOD DISTRIBUTION, BLACK FINISH, REMOTE UNIVERSAL VOLTAGE DRIVER	CONTECH # CYS1-3-30-MVD2-AW-X-WF-8-RD	7'-6" AFG	NOMINAL 1800 LM LED 3000K	20 VA	UNIVERSAL
WDE	SAME AS 'WD' ABOVE EXCEPT PROVIDED WITH REMOTE EMERGENCY BATTERY BACKUP, EMERGENCY LIGHTED BATTERY BACKUP, FIXTURE SWITCHED BY PHOTOCELL SHALL HAVE HOT SENSING CIRCUIT TO BATTERY.	CONTECH # CYS1-3-30-MVD2-AW-X-WF-8-RD	7'-6" AFG	NOMINAL 1800 LM LED 3000K	20 VA	UNIVERSAL

NOTES:
1. PROVIDE GFCI TYPE BREAKER.

PANEL A		CABINET SURFACE 3R				TYPE SQUARE D NQ	
VOLTAGE		120/240V PHASE 1 WIRES 3		FEEDER BOTTOM		MAINS 60 A MCB	
DEVICE		PHASE LOAD (VOLT-AMPS)				BRANCH CIRCUIT	
AMPS TRIP		ØA		ØB		N O T L E S	
DESIGNATION		No.		DESIGNATION		No.	
20 A	1	FIBER OPTIC CAMERA	1	600	0	2	SPARE
20 A	1	SPARE	3	0	0	4	SPARE
20 A	1	SPARE	5	0	0	6	SPARE
20 A	1	SPARE	7	0	0	8	SPARE
20 A	1	SPARE	9	0	0	10	SPARE
20 A	1	SPARE	11	0	0	12	SPARE
INTEGRATED EQUIPMENT RATING		10 KAIC		0.6 kVA		0.6 kVA	

PANEL F		CABINET RECESSED				TYPE SQUARE D NQ	
VOLTAGE		120/240V PHASE 1 WIRES 3		FEEDER BOTTOM		MAINS 100 A MCB	
DEVICE		PHASE LOAD (VOLT-AMPS)				BRANCH CIRCUIT	
AMPS TRIP		ØA		ØB		N O T L E S	
DESIGNATION		No.		DESIGNATION		No.	
20 A	1	L-INTERIOR EF-1	1	210	360	2	R-OFFICE 101
20 A	1	L-EXTERIOR	3	500	360	4	R-OFFICE 101
20 A	1	VEHICLE GATE	5	500	360	6	R-OFFICE 101
20 A	1	SPARE	7	0	0	8	R-SINK
20 A	1	SPARE	9	0	180	10	R-EXTERIOR
20 A	1	SPARE	11	0	360	12	R-OFFICE 101
20 A	1	SPARE	13	0	360	14	R-OFFICE 101 DATA RACK
20 A	1	SPARE	15	0	0	16	SPARE
20 A	1	SPARE	17	0	0	18	SPARE
--	1	PREPARED SPACE	19	--	0	20	SPARE
--	1	PREPARED SPACE	21	--	0	22	SPARE
--	1	PREPARED SPACE	23	--	1500	24	WH-3
--	1	PREPARED SPACE	25	--	1500	26	WH-3
45 A	2	PANEL 'G'	27	1000	1440	28	HP-1
INTEGRATED EQUIPMENT RATING		10 KAIC		5.9 kVA		7.3 kVA	

PANEL G		CABINET SURFACE 3R				TYPE SQUARE D NQ	
VOLTAGE		120/240V PHASE 1 WIRES 3		FEEDER BOTTOM		MAINS 45 A MCB	
DEVICE		PHASE LOAD (VOLT-AMPS)				BRANCH CIRCUIT	
AMPS TRIP		ØA		ØB		N O T L E S	
DESIGNATION		No.		DESIGNATION		No.	
20 A	1	L-EXTERIOR FLOOD	1	320	1200	2	FIBER OPTIC CAMERAS
20 A	1	TIME CLOCK	3	500	500	4	VEHICLE GATE
20 A	1	TRAFFIC COUNTER	5	500	500	6	VEHICLE GATE
20 A	1	SPARE	7	0	0	8	SPARE
20 A	1	SPARE	9	0	0	10	SPARE
20 A	1	SPARE	11	0	0	12	SPARE
INTEGRATED EQUIPMENT RATING		10 KAIC		2.5 kVA		1.0 kVA	

PANEL T		CABINET RECESSED				TYPE SQUARE D NQ	
VOLTAGE		120/240V PHASE 1 WIRES 3		FEEDER BOTTOM		MAINS 225 A MCB	
DEVICE		PHASE LOAD (VOLT-AMPS)				BRANCH CIRCUIT	
AMPS TRIP		ØA		ØB		N O T L E S	
DESIGNATION		No.		DESIGNATION		No.	
20 A	1	L-EXTERIOR	1	120	180	2	R-ELECTR STORAGE 204
20 A	1	L-INTERIOR EF-2, EF-3, EF-4	3	489	540	4	R-ELECT STORAGE 204
20 A	1	L-EXTERIOR	5	120	360	6	R-ELECT STORAGE 204
20 A	1	L-INTERIOR EF-5, EF-6, EF-7	7	564	360	8	R-ELECTRICAL IT RACK
15 A	1	FIBER OPTIC CAMERA	9	600	540	10	R-TOILET 201,202,203
20 A	1	SPARE	11	0	180	12	TOILET HAND DRYERS
20 A	1	SPARE	13	0	720	14	R-EXTERIOR
20 A	1	SPARE	15	0	360	16	R-EWC
20 A	1	SPARE	17	0	540	18	R-TOILET 208
20 A	1	SPARE	19	0	360	20	R-JANITOR 207
20 A	1	SPARE	21	0	180	22	TOILET HAND DRYERS
20 A	1	SPARE	23	0	180	24	TOILET HAND DRYERS
20 A	1	SPARE	25	0	180	26	TOILET HAND DRYERS
35 A	2	WH-1	27	3000	180	28	TOILET HAND DRYERS
35 A	2	WH-2	31	3000	180	30	TOILET HAND DRYERS
40 A	2	HP-2	33	3000	0	32	SPARE
40 A	2	HP-3	35	4140	96	36	IU-2,1,2,2,3, 24
40 A	2	HP-3	37	4140	96	38	IU-3,1,3,2,3, 34
40 A	2	HP-3	39	4140	96	40	IU-3,1,3,2,3, 34
40 A	2	HP-3	41	4140	96	42	IU-3,1,3,2,3, 34
INTEGRATED EQUIPMENT RATING		22 KAIC		18.2 kVA		17.7 kVA	

4

3

2

1

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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

ADDRESS

DATE	MARK	DESCRIPTION
04.19.24	1	PERMIT AND OWNER COMMENTS

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
PROJECT NO: 23037
DRAWN BY: CRW
CHECKED BY: LCM

ELECTRICAL SYMBOL LEGEND

E001

7

6

5

4

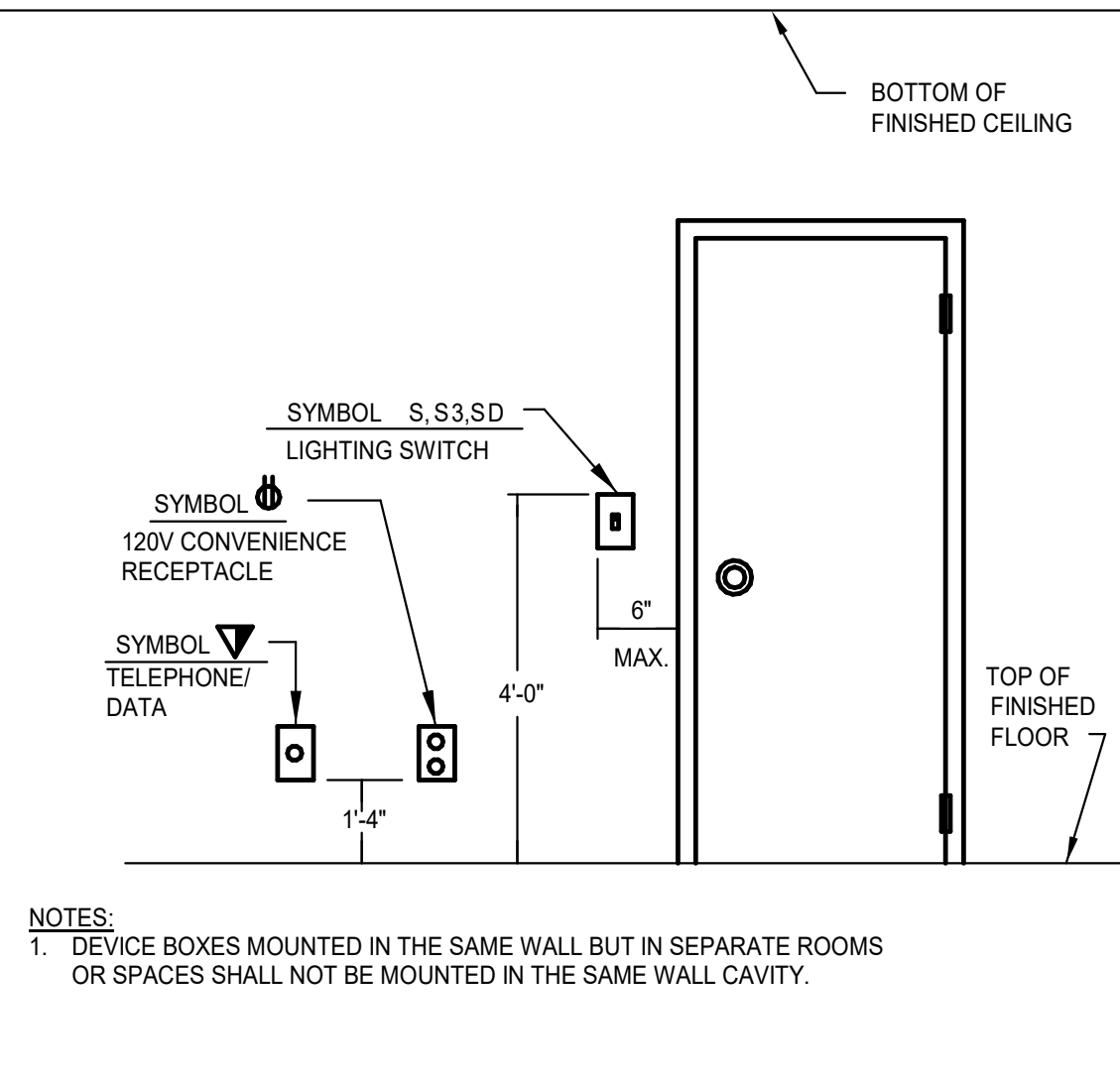
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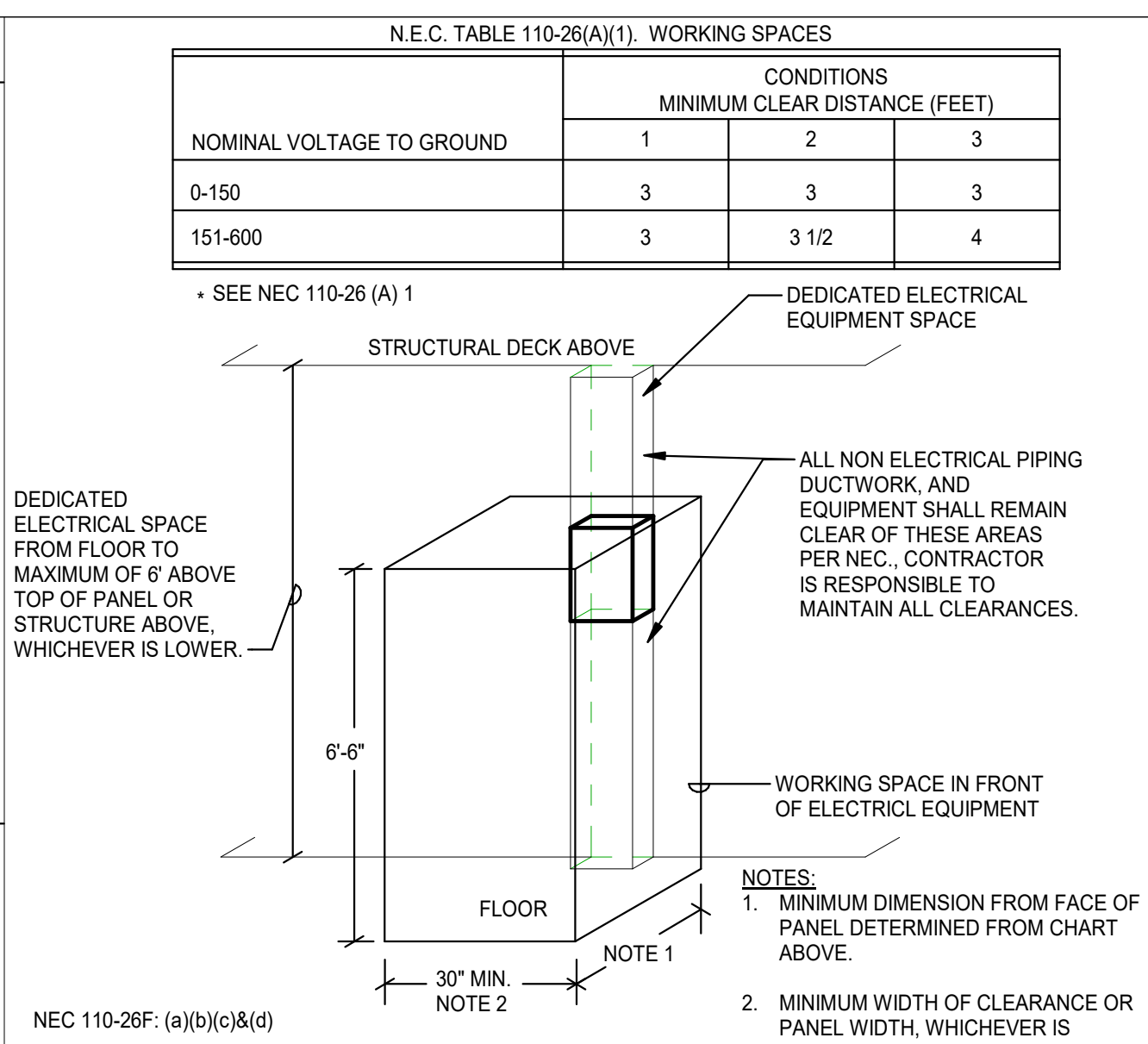
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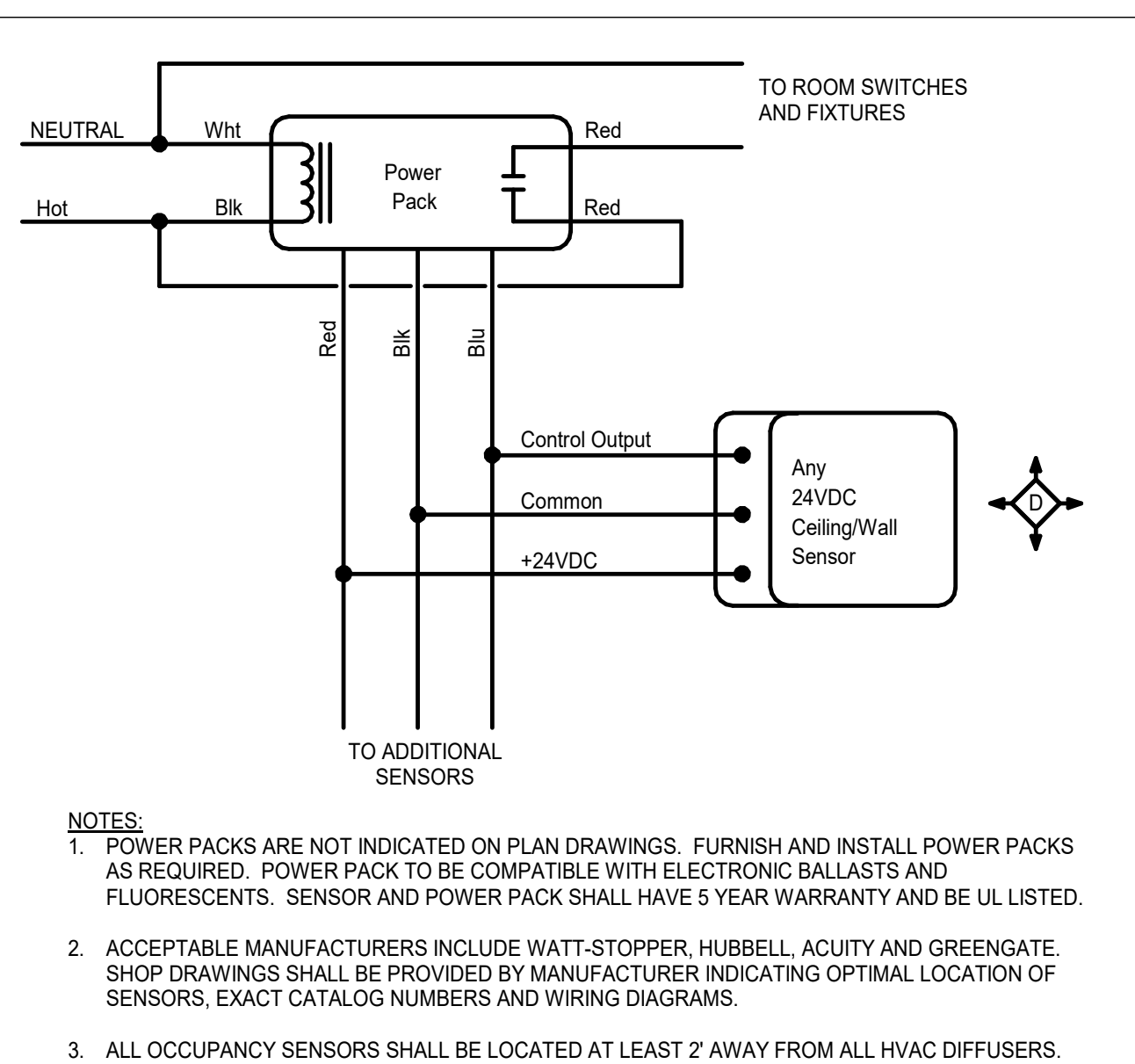
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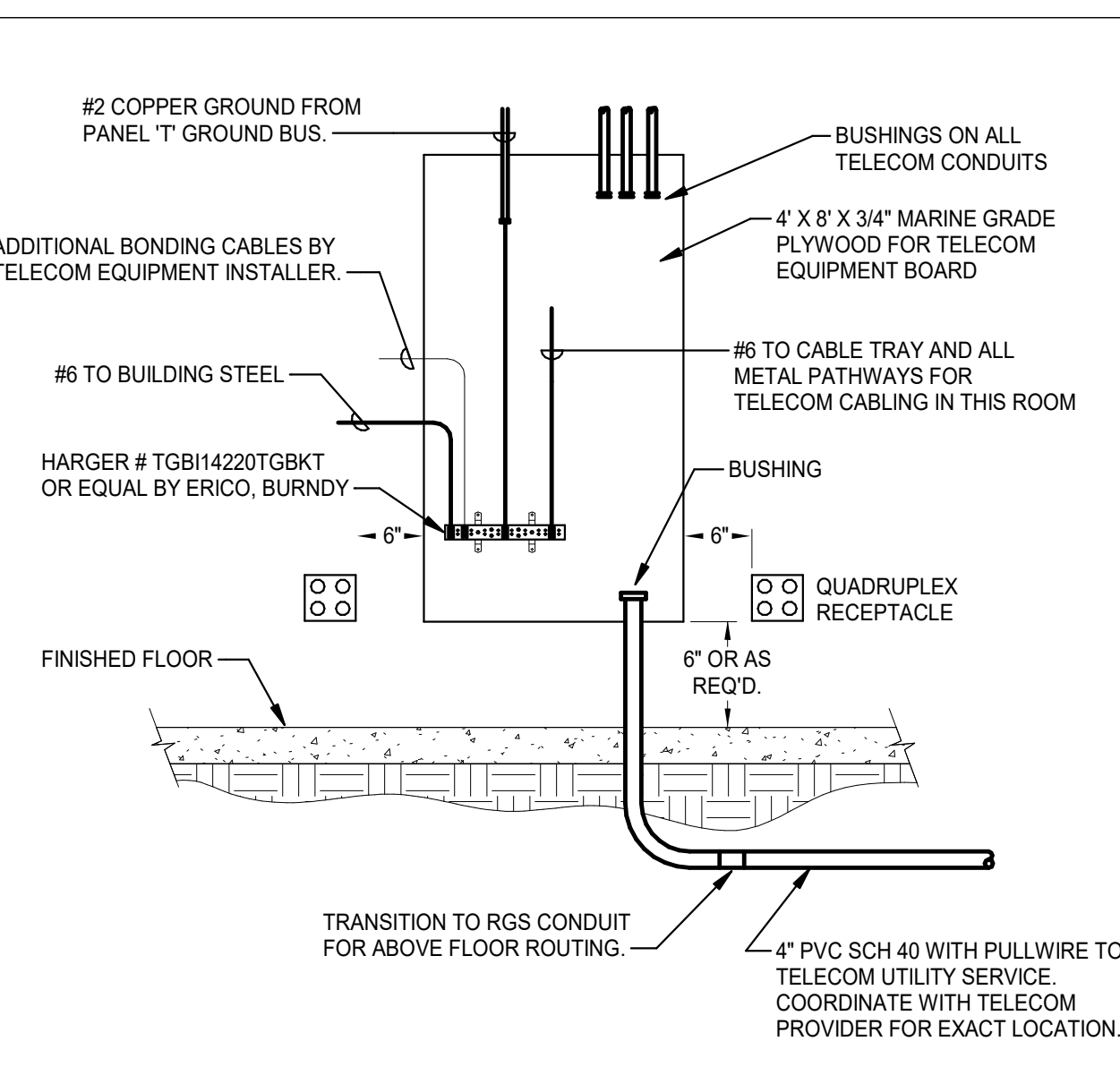
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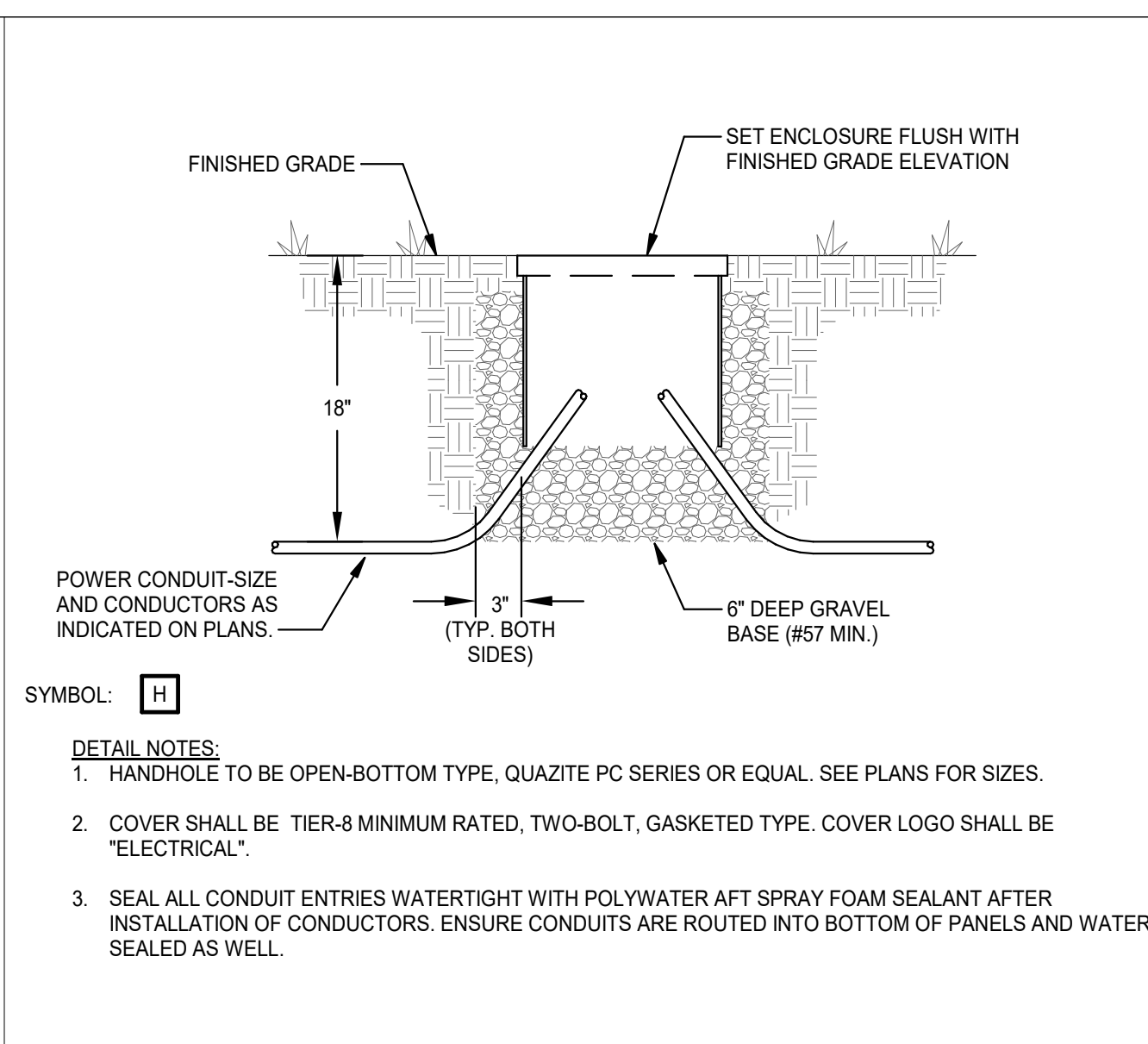
3 OCCUPANCY SENSOR CONTROL WIRING DIAGRAM
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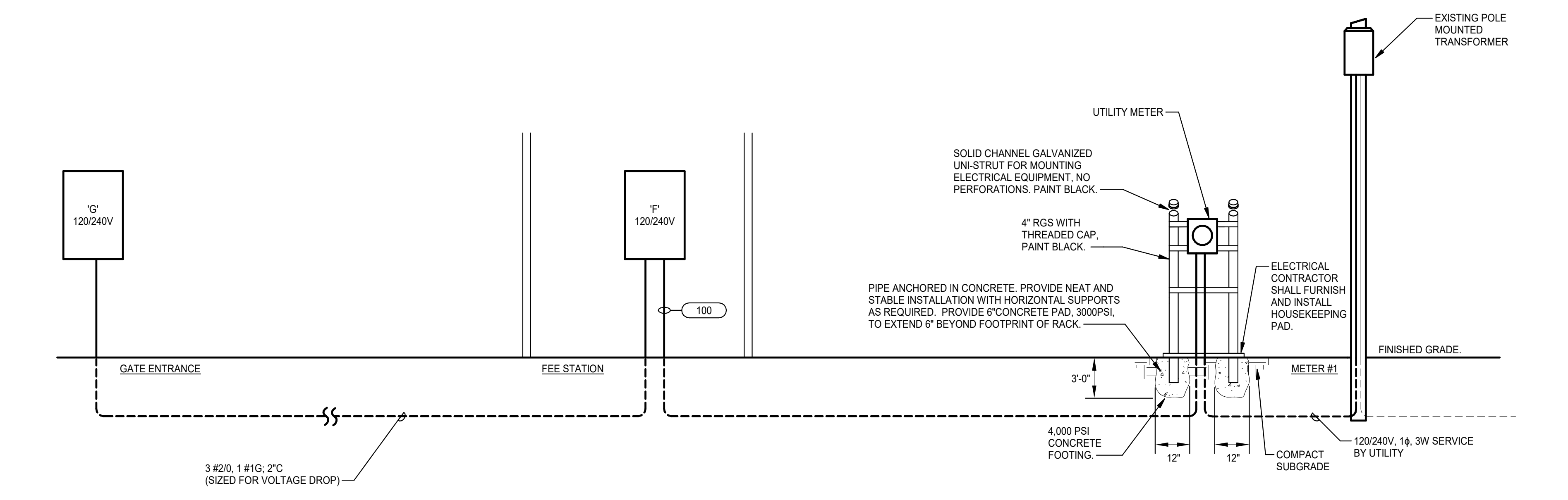
4 TELECOM BOARD DETAIL-UNDERGROUND ENTRY
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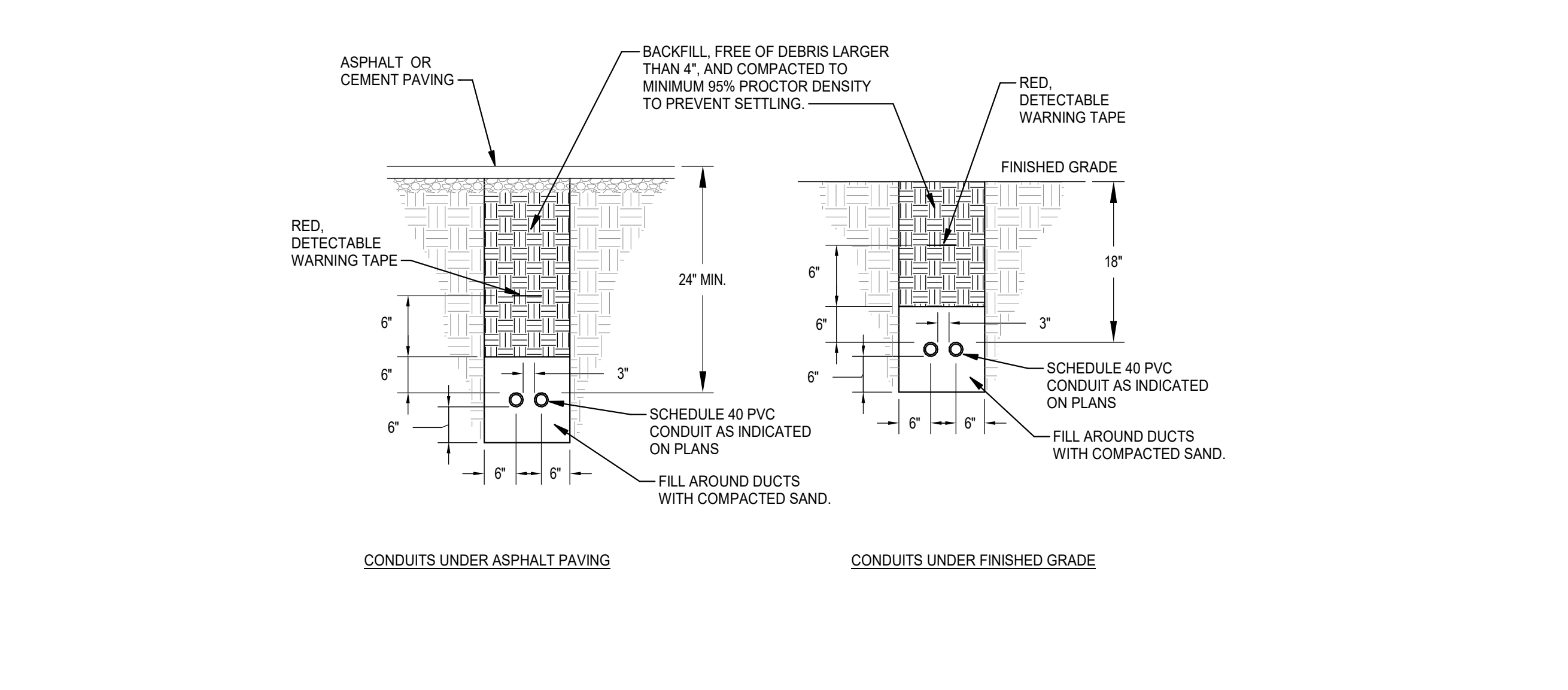
5 TYPICAL HANDHOLE DETAIL - GRADE
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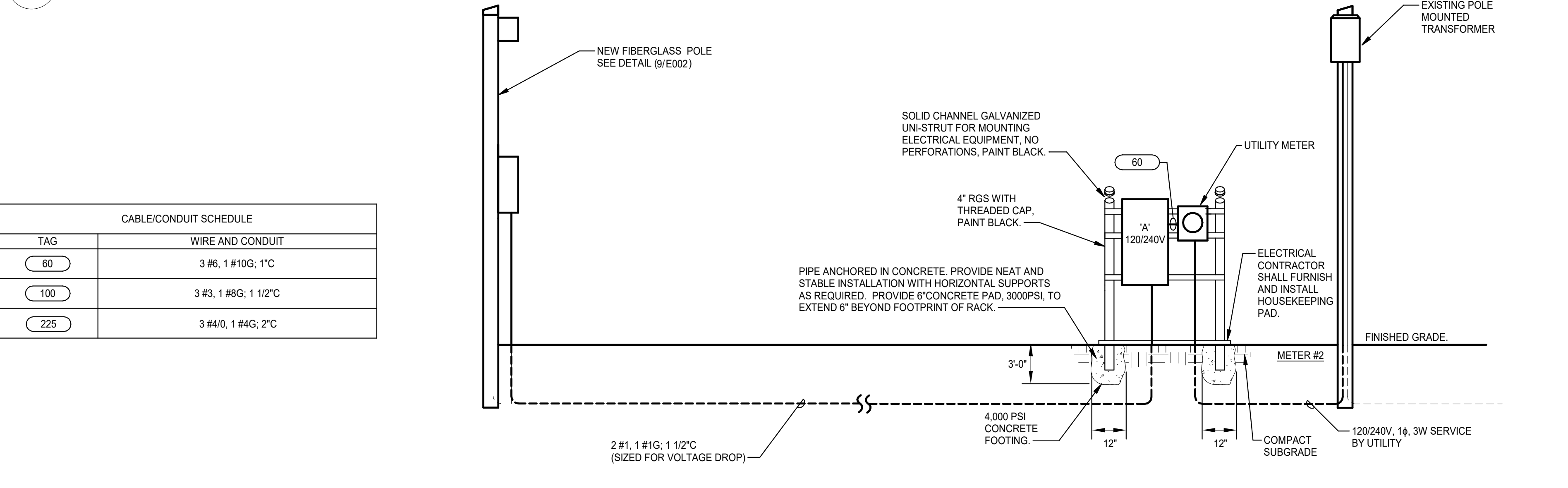
6a ELECTRICAL RISER DIAGRAM (a)
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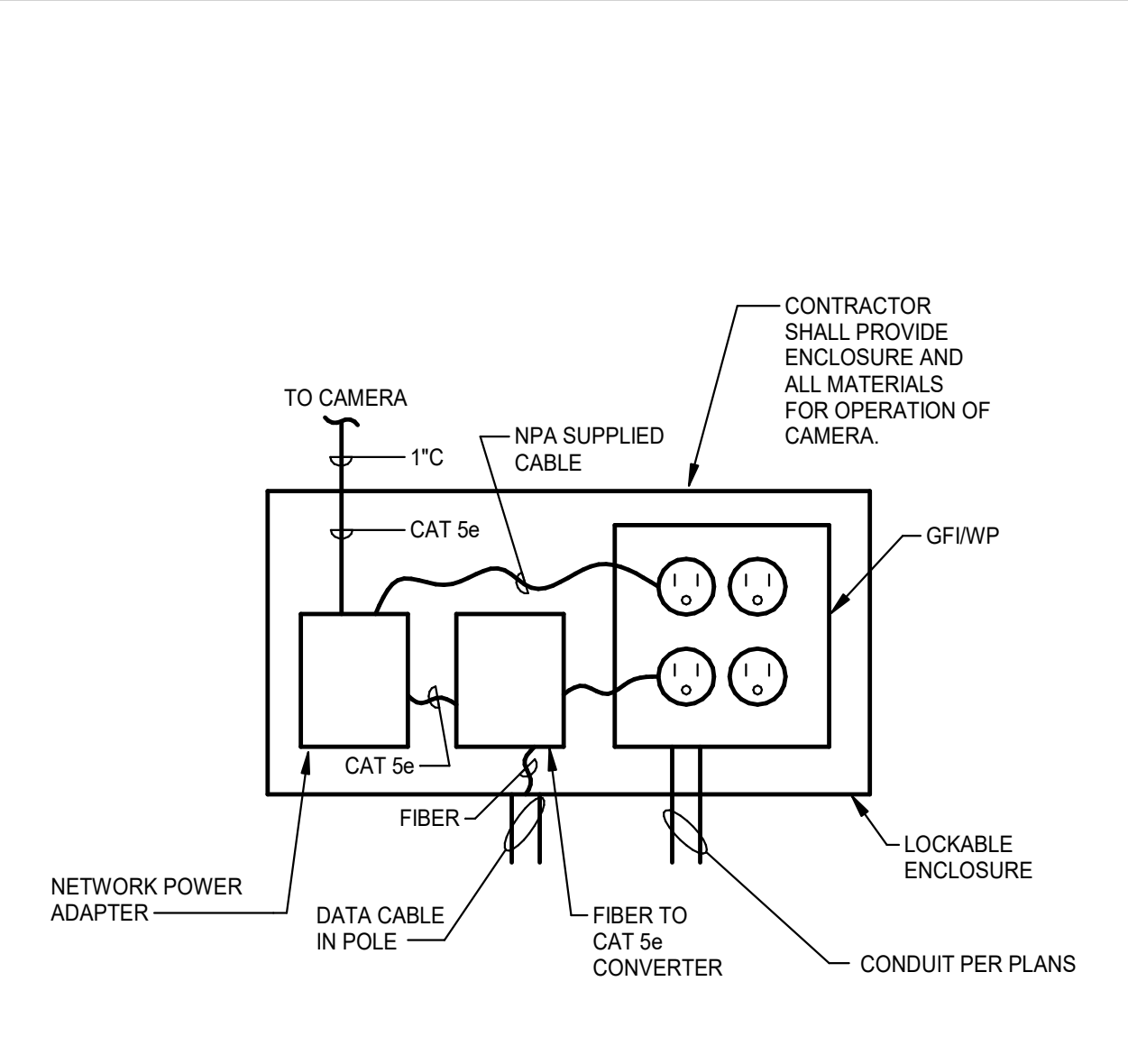
7 TYPICAL CONDUIT BURIAL DETAIL
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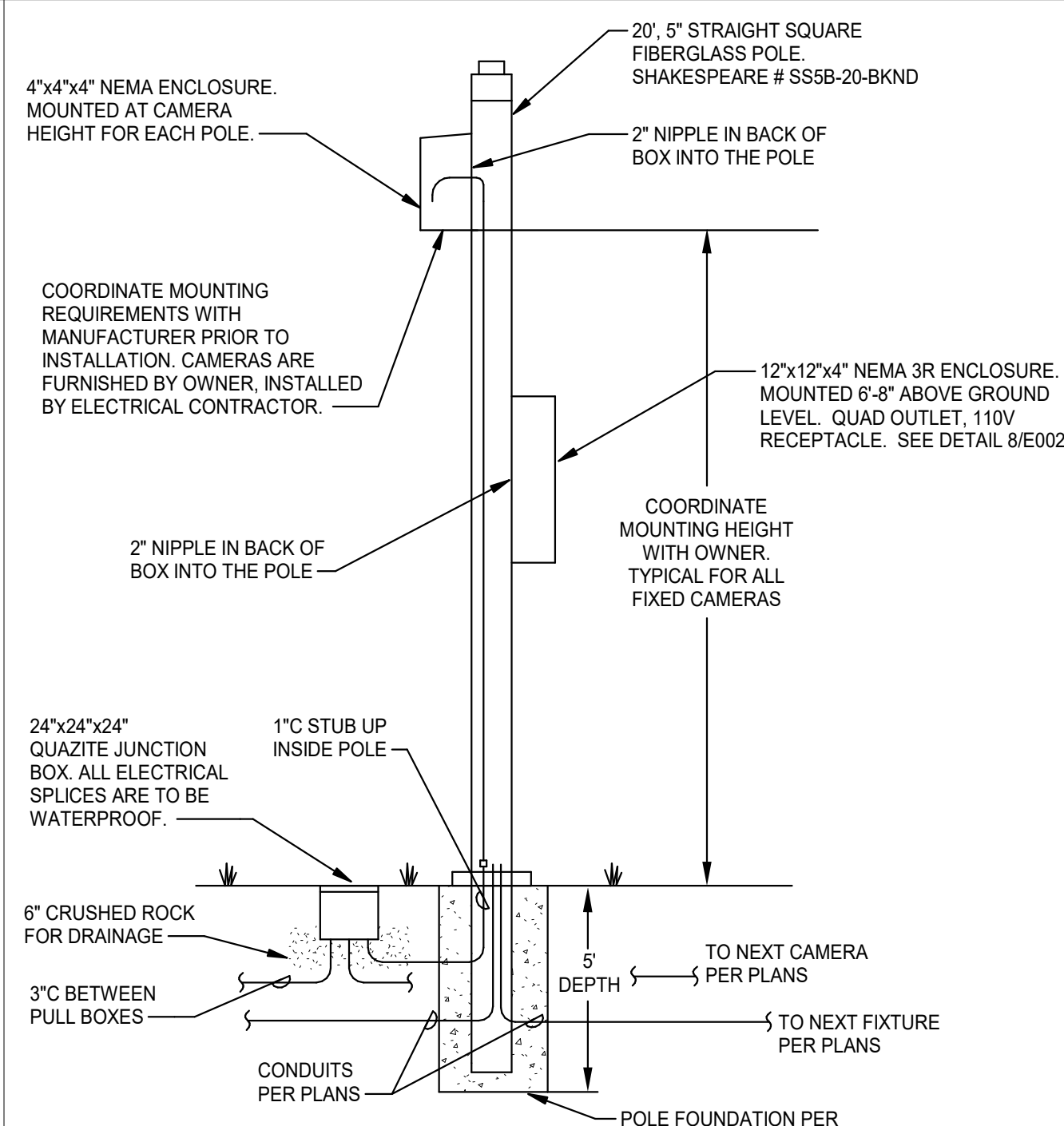
6b ELECTRICAL RISER DIAGRAM (b)
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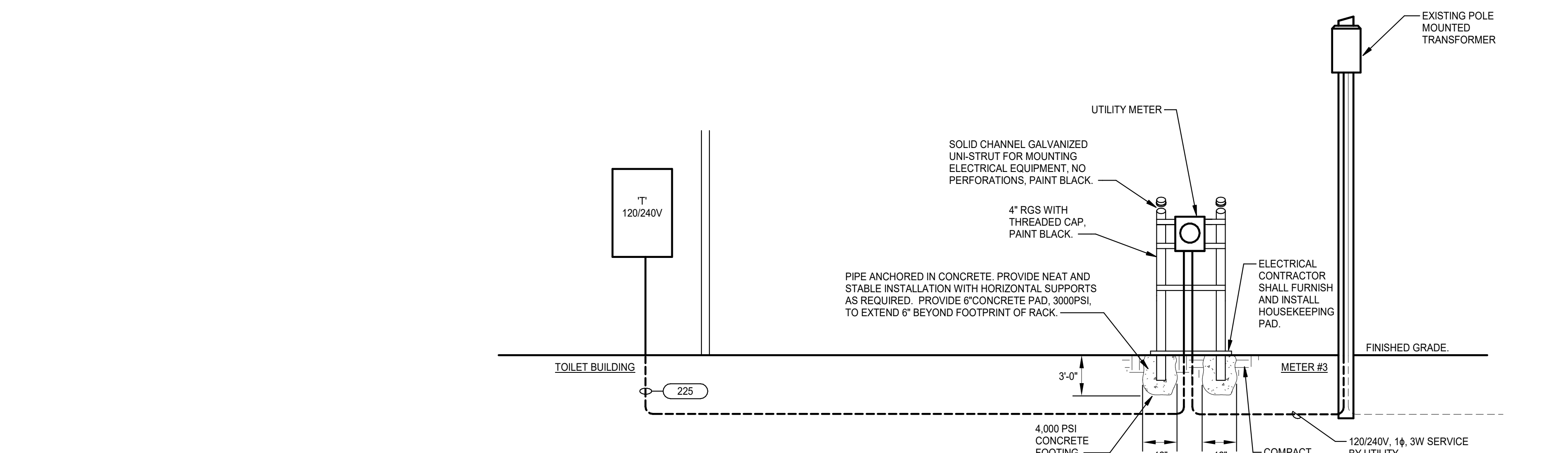
8 NEMA 3R ENCLOSURE FOR CAMERAS
NTS



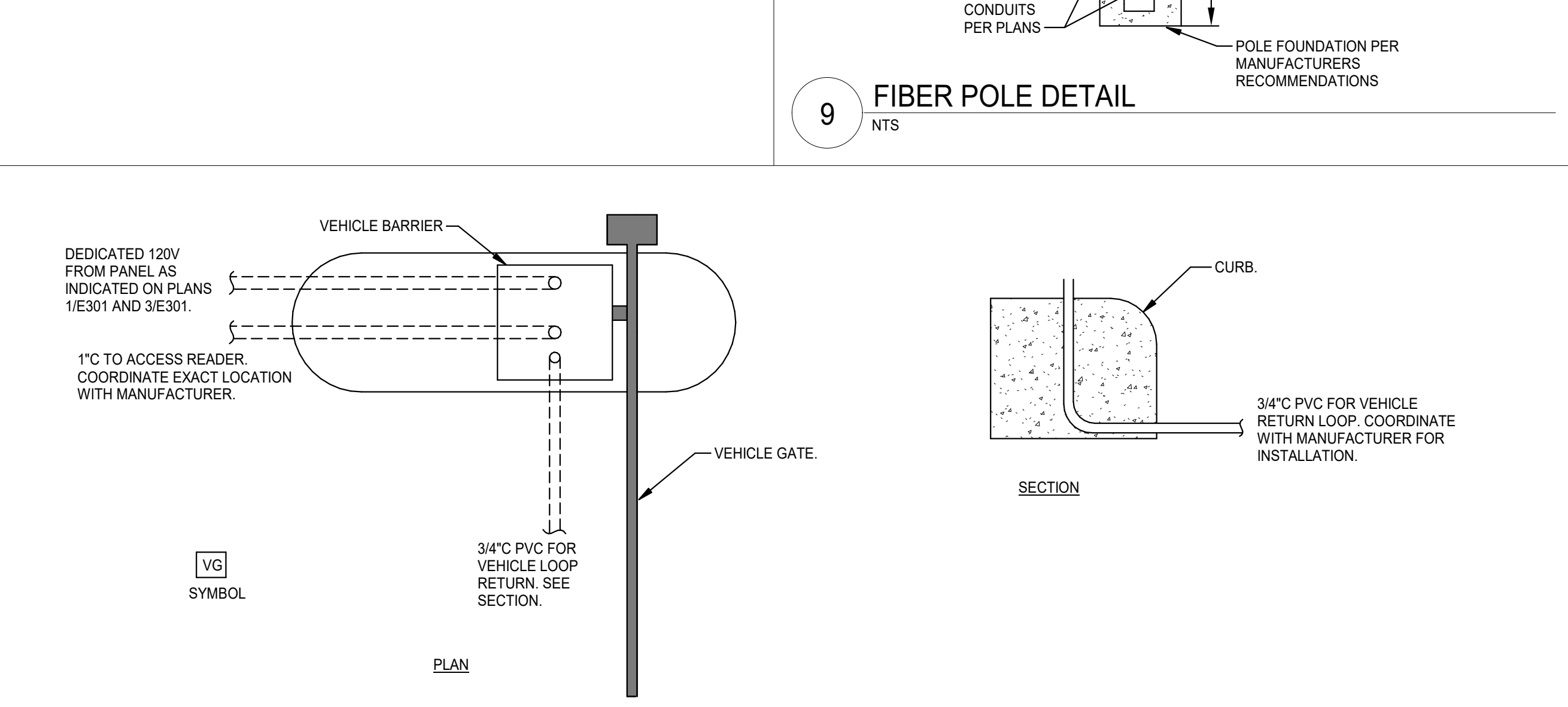
9 FIBER POLE DETAIL
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6c ELECTRICAL RISER DIAGRAM (c)
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10 VEHICLE BARRIER DETAIL
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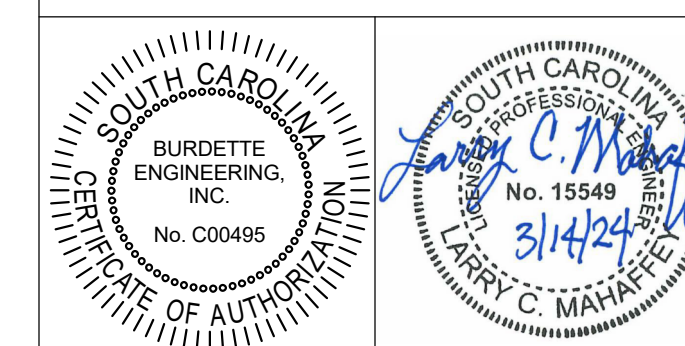


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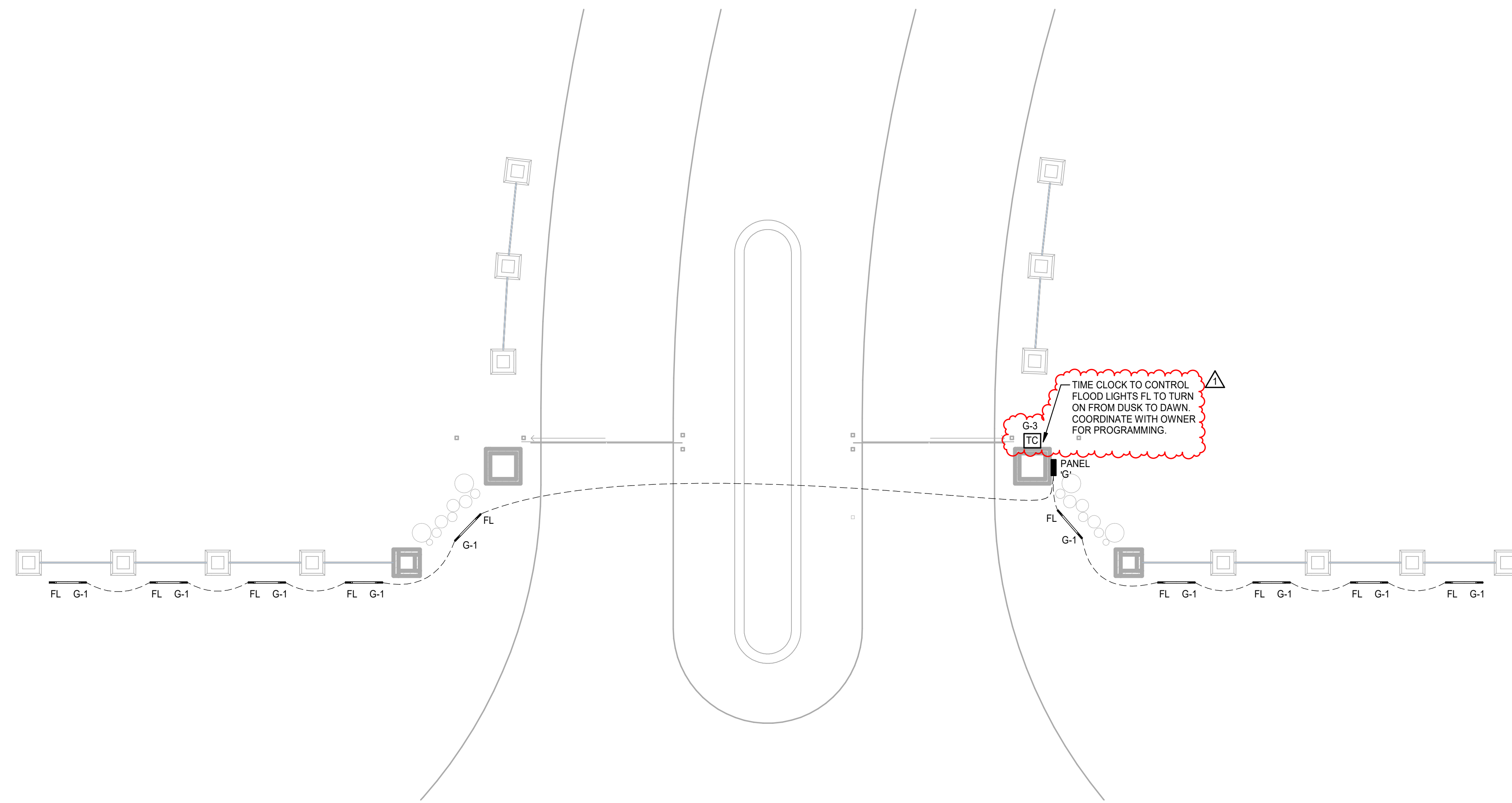
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ELECTRICAL DETAILS AND SCHEDULES

E002

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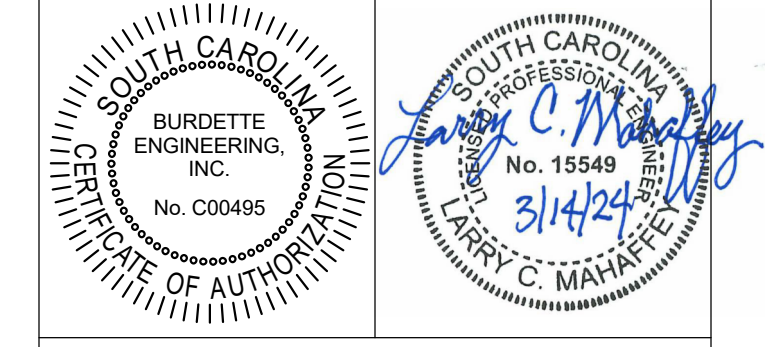
3 ELECTRICAL LIGHTING PLAN - GATE ENTRANCE
1/8" = 1'-0"

GENERAL SHEET NOTES

- SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED FIXTURES AND DEVICES.
- POWER PACKS, ROOM CONTROLLERS, AND LOW VOLTAGE CABLES FOR LIGHTING CONTROLS (SUCH AS LOW VOLTAGE OCCUPANCY SENSORS) ARE NOT SHOWN ON THIS PLAN. SEE SYMBOL LEGEND ON DRAWING E001 AS WELL AS DETAILS 3/E002 FOR WIRING AND INSTALLATION REQUIREMENTS.

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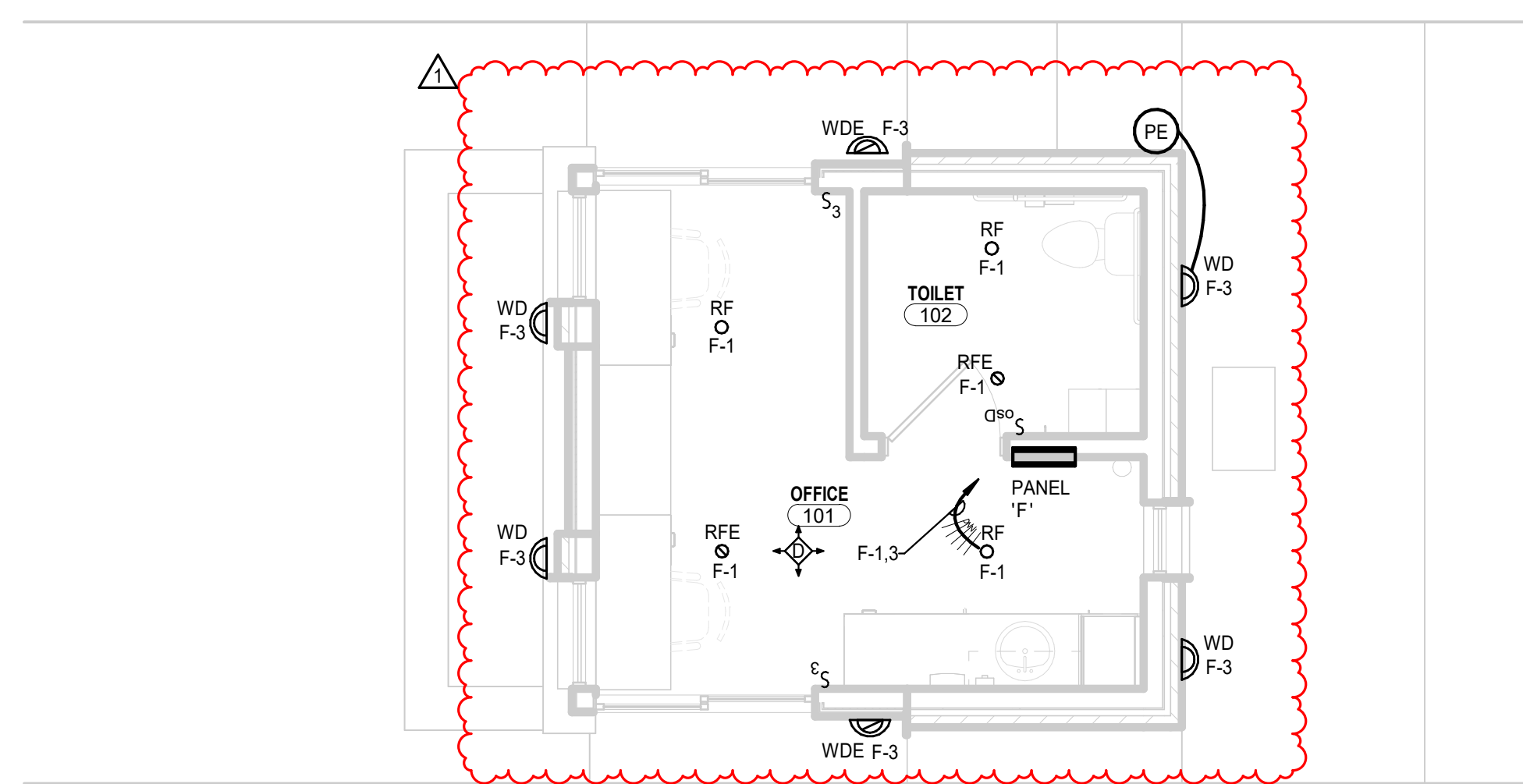
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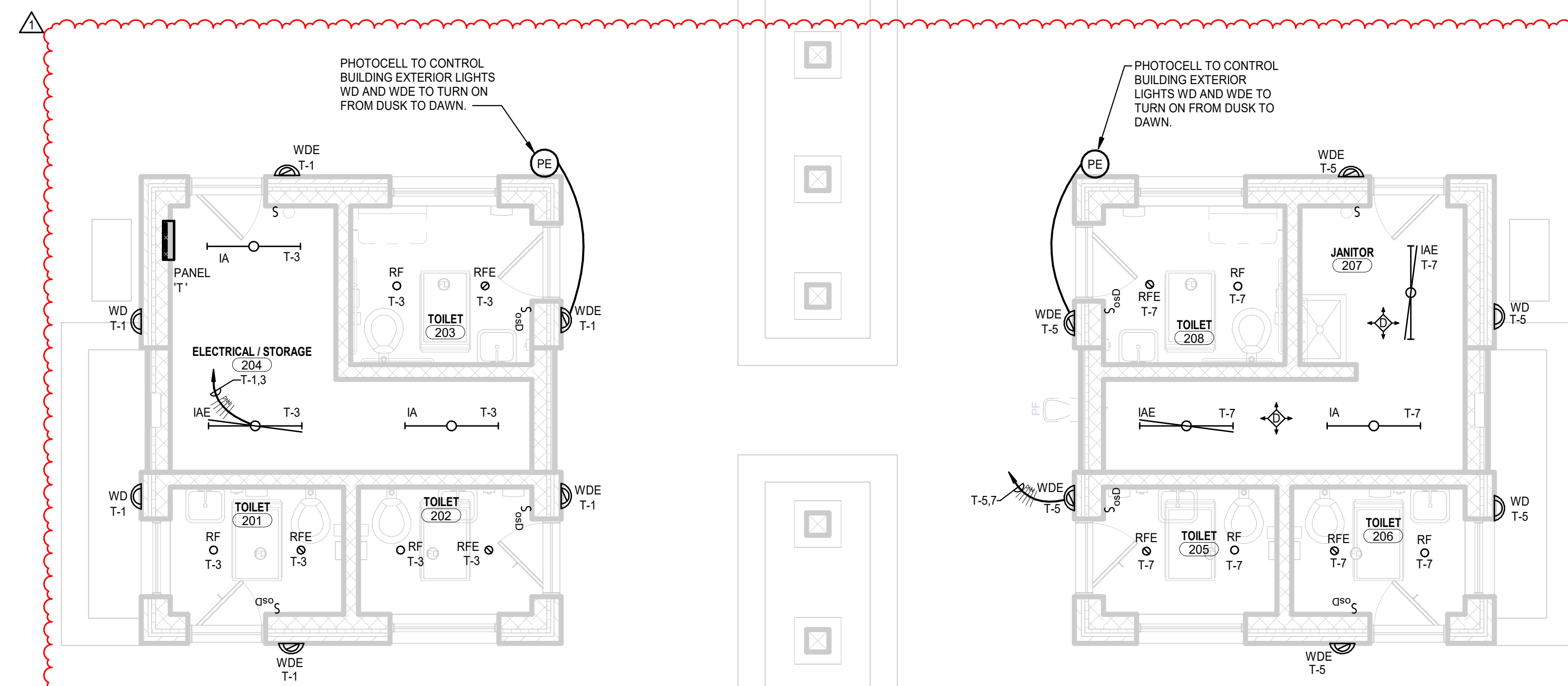
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ELECTRICAL LIGHTING PLAN

E201



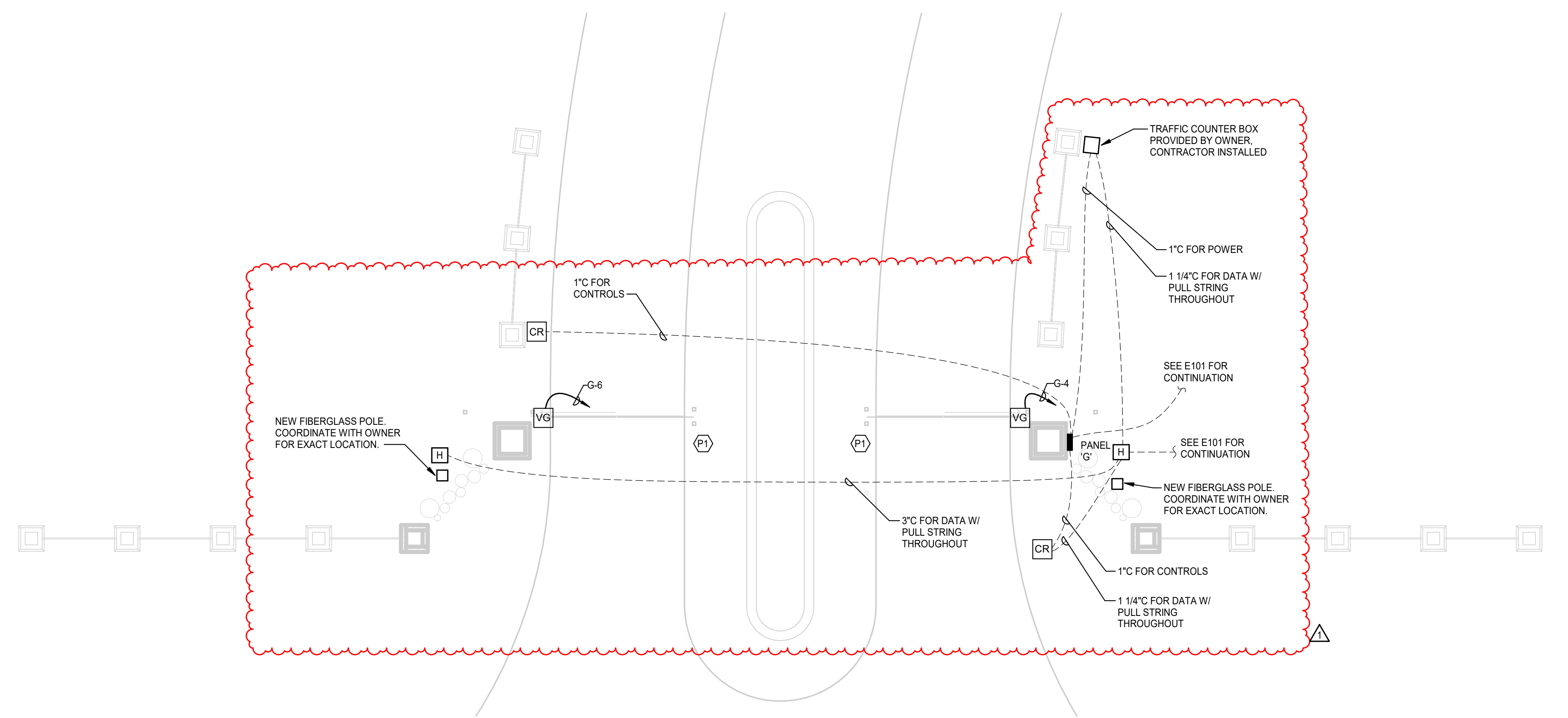
1 ELECTRICAL LIGHTING PLAN - FEE STATION
1/4" = 1'-0"



2 ELECTRICAL LIGHTING PLAN - TOILET BUILDING
1/4" = 1'-0"

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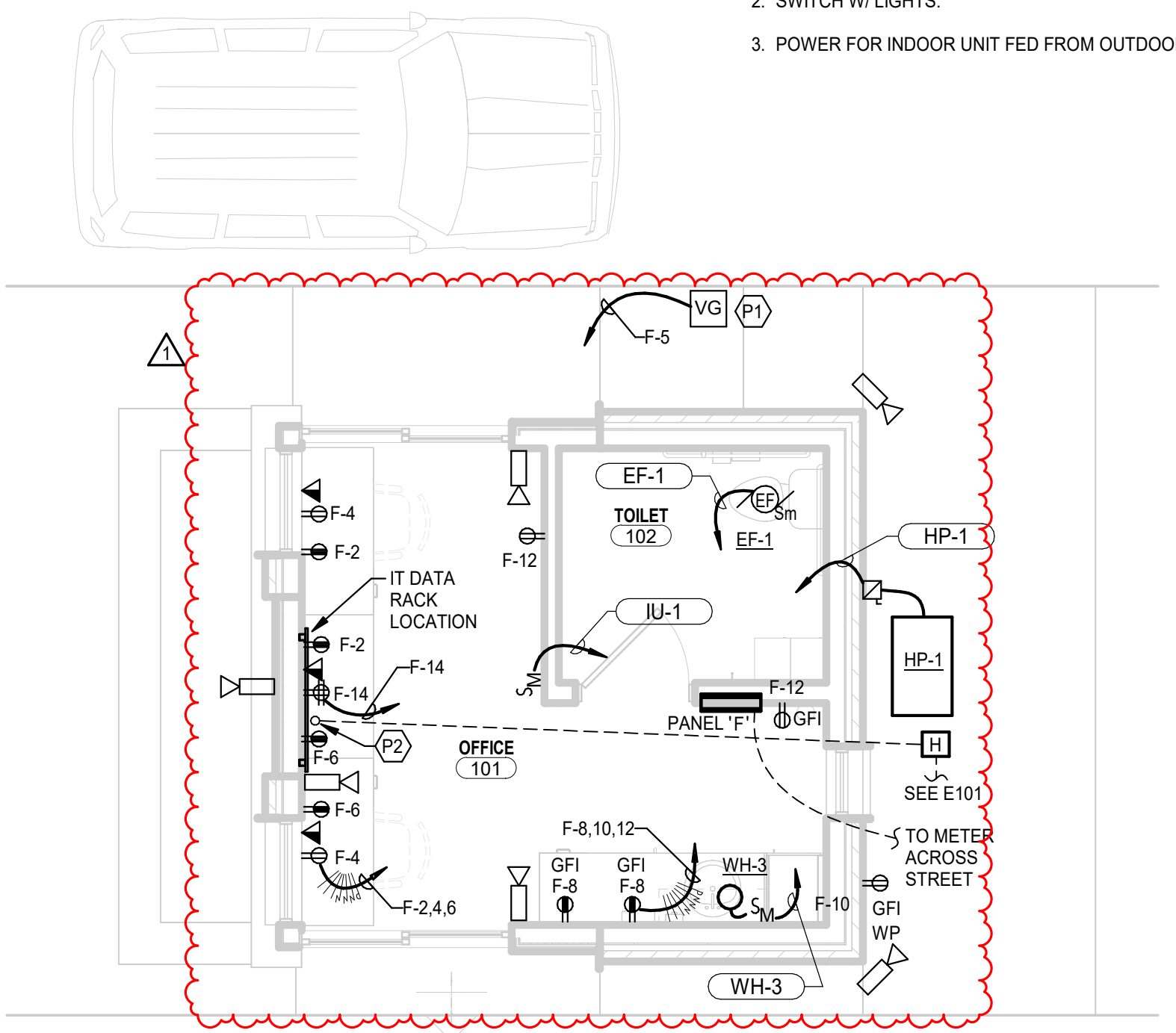
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3 ELECTRICAL POWER PLAN - GATE ENTRANCE
1/8" = 1'-0"

EQUIPMENT SCHEDULE GATEHOUSE						
EQUIPMENT TAG	VOLTS/PHASE	LOAD	CIRCUIT	WIRE/CONDUIT	CONNECTION	NOTES
EF-1	115/1	75 VA	F-1	2 #12, 1 #12G, 3/4"C	Sm	2
HP-1	240/1	2,640 VA	F-28,30	30FUI/2P/3R		
IU-1	240/1	240 VA	SEE NOTES	2 #12, 1 #12G, 3/4"C	Sm/2P	1,3
WH-3	240/1	3,000 VA	F-24,26	2 #12, 1 #12G, 3/4"C	Sm/2P	1

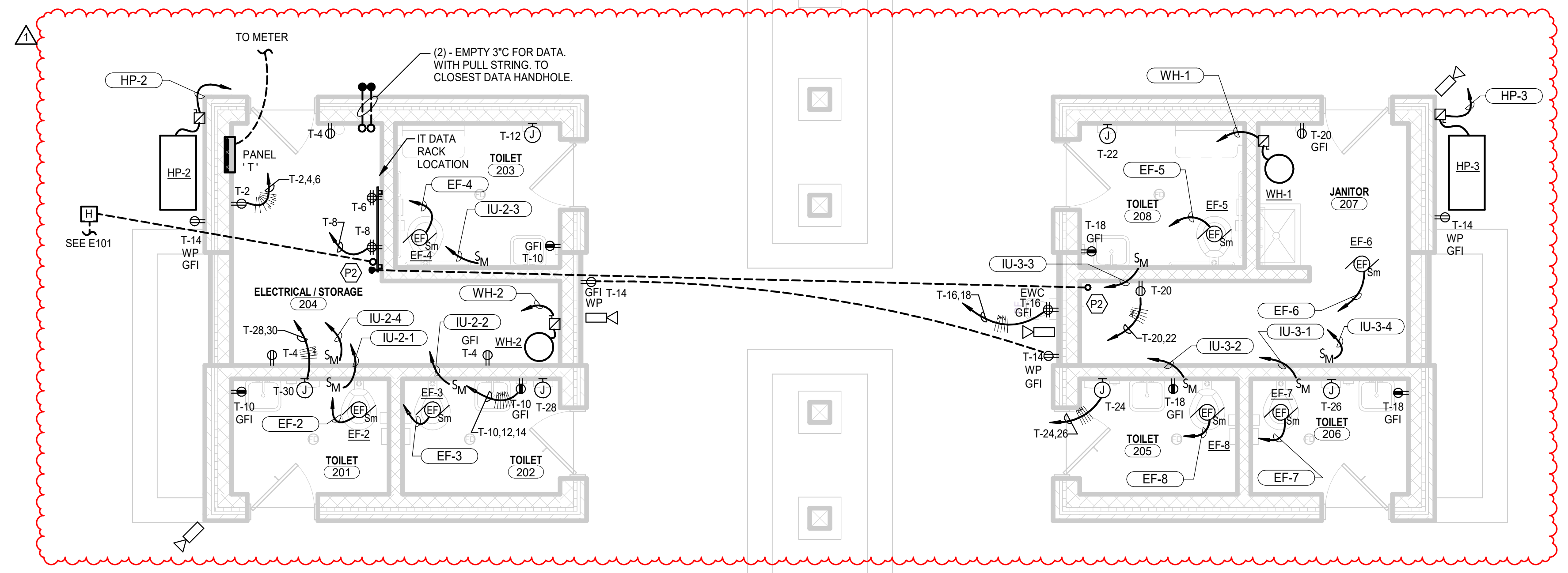
- NOTES:
- COORDINATE WITH INSTALLER FOR LOCATION OF MANUAL MOTOR STARTER.
 - SWITCH W/ LIGHTS.
 - POWER FOR INDOOR UNIT FED FROM OUTDOOR UNIT.



1 ELECTRICAL POWER PLAN - FEE STATION
1/4" = 1'-0"

EQUIPMENT SCHEDULE TOILET BUILDING						
EQUIPMENT TAG	VOLTS/PHASE	LOAD	CIRCUIT	WIRE/CONDUIT	CONNECTION	NOTES
EF-2	115/1	75 VA	T-3	2 #12, 1 #12G, 3/4"C	Sm	2
EF-3	115/1	75 VA	T-3	2 #12, 1 #12G, 3/4"C	Sm	2
EF-4	115/1	75 VA	T-3	2 #12, 1 #12G, 3/4"C	Sm	2
EF-5	115/1	75 VA	T-7	2 #12, 1 #12G, 3/4"C	Sm	2
EF-6	115/1	75 VA	T-7	2 #12, 1 #12G, 3/4"C	Sm	2
EF-7	115/1	75 VA	T-7	2 #12, 1 #12G, 3/4"C	Sm	2
EF-8	115/1	75 VA	T-7	2 #12, 1 #12G, 3/4"C	Sm	2
HP-2	240/1	8,280 VA	T-35,37	2 #8, 1 #10G, 1"C	60FUI/2P/3R	
HP-3	240/1	8,280 VA	T-39,41	2 #8, 1 #10G, 1"C	60FUI/2P/3R	
IU-2-1	240/1	48 VA	T-36,38	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-2-2	240/1	48 VA	T-36,38	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-2-3	240/1	48 VA	T-36,38	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-2-4	240/1	48 VA	T-36,38	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-3-1	240/1	48 VA	T-40,42	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-3-2	240/1	48 VA	T-40,42	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-3-3	240/1	48 VA	T-40,42	2 #12, 1 #12G, 3/4"C	Sm/2P	1
IU-3-4	240/1	48 VA	T-40,42	2 #12, 1 #12G, 3/4"C	Sm/2P	1
WH-1	240/1	6,000 VA	T-27,29	2 #8, 1 #10G, 3/4"C	60NF/2P/3R	
WH-2	240/1	6,000 VA	T-31,33	2 #8, 1 #10G, 3/4"C	60NF/2P/3R	

- NOTES:
- COORDINATE WITH INSTALLER FOR LOCATION OF SWITCH.
 - SWITCH W/ LIGHT.



2 ELECTRICAL POWER PLAN - TOILET BUILDING
1/4" = 1'-0"

GENERAL SHEET NOTES

- SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT.

POWER PLAN KEYNOTES

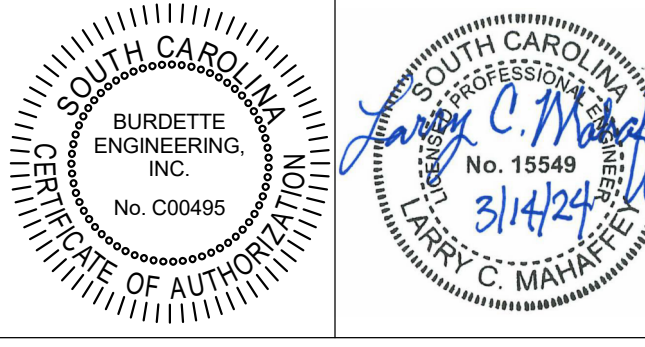
- COORDINATE WITH INSTALLER FOR MANUFACTURER INSTALLATION REQUIREMENTS.
- 3" FOR DATA W/ PULL STRING THROUGHOUT CONDUIT. DATA STUB UP FOR IT RACK. COORDINATE WITH OWNER AND IT INSTALLER FOR EXACT LOCATION.

CRAIG GAULDEN DAVIS
Architecture

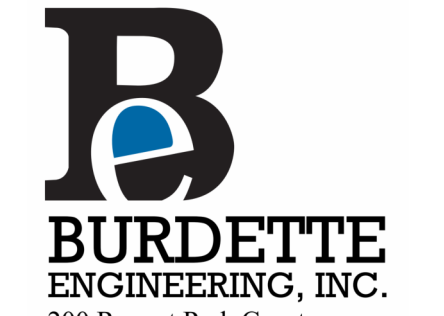
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YORK COUNTY

CATAWBA BEND PRESERVE PHASE 1

ADDRESS		
DATE	MARK	DESCRIPTION
04.19.24	1	PERMIT AND OWNER COMMENTS

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 03.08.2024
PROJECT NO: 23037
DRAWN BY: CRW
CHECKED BY: LCM

ELECTRICAL POWER PLAN

E301

Autodesk Docs/Catawba Bend Entrance and Restrooms/23087 ELECTRICAL DRAWINGS
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