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WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS

VICINITY MAP

NOT TO SCALE

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242 HAMPTON STREET
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(843)782-1065

PREPARED FOR:

CITY OF WALTERBORO

COLLETON COUNTY, SOUTH CAROLINA

(843)782-1000

PROJECT LOCATION:

241 E WASHINGTON STREET
WALTERBORO, SC 29488

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BID SET

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SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1730
CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
COVER

JOB #: 1256
SCALE: N.T.S.
SHEET: 1.0 OF 16

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GENERAL NOTES:

1. ALL CONTRACTORS/SUBCONTRACTORS/PERSONS THAT WILL BE ENGAGED IN LAND DISTURBING ACTIVITIES SHALL COMPLY WITH ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION REQUIREMENTS CONTAINED THROUGHOUT THE DRAWINGS, SPECIFICATIONS AND PERMITS.

2. TOPOGRAPHIC AND BOUNDARY INFORMATION WAS PROVIDED BY:
   SAMUEL C. BETHAY PE RLS – CONSULTING ENGINEER, LAND SURVEYOR
   613 CARN STREET
   WALTERBORO, SC 29488
   PHONE: (843) 549-9405

3. CONTRACTOR VERIFY LAYOUT, GRADING, AND PROPERTY LINES PRIOR TO THE START OF ANY WORK.

4. THE CONTRACTOR SHALL PROVIDE HIS OWN LINE AND GRADE.

5. THE CONTRACTOR SHALL SCHEDULE THE WORK OF THE PROJECT TO FACILITATE ACTIVITY IN THE AREA. THE PREFERRED SEQUENCE OF WORK IN THIS PROJECT AND CONSTRUCTION PARAMETERS SHALL BE APPROVED BY THE OWNER.

6. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AND ROADWAYS DURING CONSTRUCTION.

7. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ALL DIRECTIONS AT ALL TIMES. ANY TRAFFIC REROUTING SHALL BE SUBMITTED TO SCDOT AND THE CITY OF WALTERBORO FOR APPROVAL PRIOR TO ANY LANE CLOSURES OR REROUTING TRAFFIC. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE OWNER, FIRE DEPARTMENT, POLICE DEPARTMENT AND ANY OTHER EMERGENCY AGENCIES OF ANY CLOSURE AND TRAFFIC ROUTINGS AT LEAST 24 HOURS PRIOR TO ANY CLOSURES.

8. THE EXISTING UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING ANY WORK. IF UTILITIES OTHER THAN THOSE SHOWN HEREON ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE APPROPRIATE MEASURES TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL VERIFY THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

9. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SAMPLES FOR ALL MATERIALS AND EQUIPMENT TO BE INSTALLED PRIOR TO ORDERING.

10. WHERE NEW CONSTRUCTION IS TO TAKE PLACE, THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING ANY MATERIAL IN THE WAY AT HIS OWN EXPENSE.

11. THE CONTRACTOR IS ADVISED THAT THE LOCATION OF THE WORK SHOWN ON THE DRAWINGS IS SUBJECT TO SLIGHT ADJUSTMENT IN THE FIELD TO AVOID NEW AND EXISTING UTILITIES AND AS FIELD CONDITIONS DICTATE. ALL CHANGES SHALL BE AUTHORIZED BY THE ENGINEER AND OWNER. THERE WILL BE NO ADDITIONAL COMPENSATION FOR MAKING THESE ADJUSTMENTS UNLESS THE ADJUSTMENT CHANGES THE SCOPE OF THE WORK AS STATED IN THE GENERAL CONDITIONS.

12. ALL UNDERGROUND CONSTRUCTION SHALL BE COMPLETED AND ACCEPTED PRIOR TO NEW SURFACE CONSTRUCTION.

13. OFF-SITE BORROW NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR FROM SOURCES DEVELOPED BY THE CONTRACTOR. EXCESS DIRT SHALL BE HAULED OFF-SITE AT THE CONTRACTOR'S EXPENSE.

14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.

15. THE DESIGN ADEQUACY AND SAFETY OF ALL BRACING, SHORING AND TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL PERFORM INVESTIGATIONS TO VERIFY THAT ALL WORK IS ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS. THE GEOTECHNICAL REPORTS NEED TO BE PROVIDED TO THE OWNER AS PERFORMED IN PDF FORMAT (DIGITALLY).

17. ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF WALTERBORO, COLLETON COUNTY, SCDHEC AND SCDOT.

18. IN PERFORMING CONSTRUCTION OBSERVATION VISITS TO THE JOBSITE, THE ENGINEER SHALL HAVE NO CONTROL OVER NOR RESPONSIBILITY FOR THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK.

19. THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR, WHO IS ALSO RESPONSIBLE FOR COMPLYING WITH ALL HEALTH AND SAFETY PRECAUTIONS AS REQUIRED BY ANY REGULATORY AGENCY.

20. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR DESIGN, ADEQUACY AND IMPLEMENTATION OF ALL DEWATERING. DISCHARGES FROM DEWATERING DEVICES SHALL BE EQUIPPED SO AS TO PREVENT EROSION AND/OR DEPOSITION OF SEDIMENT BEYOND CONSTRUCTION LIMITS.

21. TOTAL LAND DISTURBANCE IS APPROXIMATELY 0.35 ACRES. SEE EROSION CONTROL PLAN SHEET FOR LIMITS OF CONSTRUCTION.

22. CONTRACTOR TO PROVIDE AN AS-BUILT OF THE NEWLY INSTALLED WORK IN AN AUTOCAD DIGITAL FORMAT IN SAME COORDINATE SYSTEM AS THE ORIGINAL CONSTRUCTION DOCUMENTS AND ACCEPTABLE TO THE ENGINEER.

23. CONTRACTOR TO HAUL IN/OUT THE NECESSARY DIRT AT THE CONTRACTOR'S EXPENSE TO COMPLETE THE PROJECT PER THE PLANS AND SPECIFICATIONS.

24. CONTRACTOR TO PROVIDE ALL REQUIRED SCDHEC INSPECTIONS.

25. ALL DISTURBED AREAS TO BE GRASSED/LANDSCAPED PER SPECIFICATIONS.

SEQUENCE OF CONSTRUCTION NOTES:

ITEMS MUST OCCUR IN THE ORDER LISTED; ITEMS CANNOT OCCUR CONCURRENTLY UNTIL SPECIFICALLY NOTED. IF ITEMS DESCRIBED BELOW ARE NOT A PART OF THE SWPPP, CONTRACTOR TO ADDRESS NEXT ITEM ON THIS LIST.

1. RECEIVE LAND DISTURBANCE APPROVAL FROM COLLETON COUNTY AND RECEIVE NPDES COVERAGE FROM DHEC IF 1 ACRE OR GREATER.

2. NOTIFY COLLETON COUNTY'S STORMWATER MANAGEMENT OFFICE AND SCDHEC'S STORMWATER MANAGEMENT OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.

3. PRECONSTRUCTION MEETING (ON-SITE). A REPRESENTATIVE FROM COLLETON COUNTY'S STORMWATER MANAGEMENT OFFICE MUST BE PRESENT AT THE ON-SITE PRE-CONSTRUCTION MEETING.

4. INSTALLATION OF CONSTRUCTION ENTRANCES.

5. CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.

6. INSTALLATION OF PERIMETER CONTROLS SUCH AS SILT FENCING.

7. CLEARING AND GRUBBING OF SITE OR DEMOLITION.

8. ROUGH GRADING.

9. FINE GRADING, PAVING, ETC.

10. PERMANENT/FINAL STABILIZATION.

11. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED

12. PERFORM AS-BUILT SURVEYS OF ALL NEW STORM DRAINAGE SYSTEM TO ENGINEER FOR ACCEPTANCE.

13. SUBMIT NOTICE OF TERMINATION (NOT) TO COLLETON COUNTY AND SCDHEC AS APPROPRIATE.

- NOTE: IF NPDES COVERAGE IS BEING ISSUED AFTER LAND-DISTURBING ACTIVITIES HAVE ALREADY STARTED (E.G., IN RESPONSE TO A NOTICE TO COMPLY, NOTICE OF VIOLATION, OR ENFORCEMENT ACTION), THEN THE CONSTRUCTION SEQUENCE MUST SPECIFICALLY INDICATE THE ITEMS THAT HAVE ALREADY OCCURRED AND THE ITEMS THAT WILL BE OCCURRING AFTER NPDES COVERAGE IS ISSUED.

- NOTE: MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED. SITE MUST BE COMPLETELY STABILIZED WITH AT LEAST 70% VEGETATIVE COVER.

DEMOLITION AND SITE PREPARATION NOTES:

1. CONSTRUCTION LIMITS OF PROJECT ARE PROPERTY LINES AND RIGHT-OF-WAY LINES AND THE EXTENT OF WORK SHOWN ON THE PLANS, WHICHEVER IS LARGEST IN SCOPE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO EXISTING BUILDINGS AND STRUCTURES CAUSED BY THE DEMOLITION AND/OR CONSTRUCTION PROCESS. THE DEMOLITION LINE AT THE PROJECT LIMITS SHALL BE A CLEAN, SAW CUT LINE WITHOUT IRREGULARITIES. THE CITY AND/OR ENGINEER SHALL APPROVE THIS LINE PRIOR TO COMMENCEMENT OF DEMOLITION.

2. THE LIMITS OF DEMOLITION IS AS SHOWN ON THE DRAWINGS AND HAS BEEN LOCATED TO PROVIDE SUFFICIENT AREA FOR INSTALLING THE NEW WORK. ANY DEMOLITION THAT OCCURS OUTSIDE OF THESE LIMITS WILL BE AT THE CONTRACTORS EXPENSE UNLESS APPROVAL HAS BEEN GRANTED BY THE OWNER.

3. ALL EXISTING ITEMS DESIGNATED TO BE REMOVED AND SALVAGED, SUCH AS SIGNS, DRAINAGE, GRATES, WHEEL STOPS, ETC., SHALL BE DELIVERED TO THE CITY OF WALTERBORO'S DESIGNATED STORAGE YARD FACILITY, AT NO ADDITIONAL COST TO THE OWNER.

4. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATING SERVICE AT 1-800-922-0983 AND THE CITY OF WALTERBORO PUBLIC WORKS DEPARTMENT AT 843-782-1000 BEFORE EXCAVATING AS REQUIRED BY THE SUPPLEMENTAL CONDITIONS AND SOUTH CAROLINA LAW.

5. DISPOSAL OF MATERIALS OFF-SITE AND HAULING OF FILL MATERIAL THAT IS REQUIRED FOR CONSTRUCTION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.

6. ANY AREAS DISTURBED BY CONSTRUCTION NOT COVERED BY NEW WORK SHALL BE PLACED IN PERMANENT GRASS SOD AT NO ADDITIONAL COST TO THE OWNER.

7. CONTRACTOR SHALL COMPLETELY DEMOLISH, REMOVE, AND DISPOSE OF PAVEMENT, CURB AND SIDEWALK AS NECESSARY TO INSTALL THE NEW WORK. THE LIMIT SHOWN ON THE DEMOLITION PLAN INDICATES THE SCOPE TO BE PAID BY UNIT PRICE IN THE CONTRACT. DEMOLITION AND REPLACEMENT BEYOND THIS LIMIT SHALL BE AT THE CONTRACTORS EXPENSE UNLESS SPECIFICALLY APPROVED BY THE OWNER OR ENGINEER.

8. PAYMENT FOR DEMOLITION IS FOR REMOVAL OF ASPHALTIC, CONCRETE OR OTHER HARD SURFACES. THE CONTRACTOR WILL NOT BE PAID FOR GRASS OR EARTH AREAS TO BE GRADED AND/OR REPLACED.

9. BETWEEN SIGNALIZED INTERSECTIONS, NO SIDEWALK SHALL BE REMOVED FROM PEDESTRIAN SERVICE ON ONE SIDE OF THE STREET UNLESS THE SIDEWALK ON THE OPPOSITE SIDE IS OPEN AND REMAINS SO. CONTRACTOR SHALL INSURE PROPER SIGNAGE IS PLACED IN ADVANCE TO WARN PEDESTRIANS OF SIDEWALK CLOSURE AHEAD.

10. SIDEWALK AND CURB & GUTTER TO BE REMOVED AND REPLACED FROM JOINT TO JOINT.

11. CONTRACTOR TO SAWCUT EXISTING ASPHALT FOR SMOOTH JOINT NOT ALIGNED WITH WHEEL PATH.

LAYOUT NOTES:

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF CURB OR WALL UNLESS OTHERWISE NOTED.

2. LAYOUT PLANS AND THE DETAIL SHEETS SHOW THE LAYOUT FOR THE WORK TO BE DONE. IF IT IS DISCOVERED THAT THERE IS A DIFFERENCE BETWEEN SCALED DIMENSIONS AND LAYOUT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION.

3. THE CONTRACTOR SHALL LAYOUT ENTIRE JOB TO BE REVIEWED BY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO BEGINNING ANY CONSTRUCTION.

STORMWATER, SEWER LINES, STRUCTURES, AD ELECTRIC UTILITIES NOTES:

1. EXISTING OVERHEAD AND UNDERGROUND UTILITIES ARE SHOWN ON THE DRAWINGS BASED ON THE BEST AVAILABLE INFORMATION PROVIDED BY THE SURVEYOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES PRIOR TO ANY EXCAVATION TO VERIFY ACTUAL FIELD LOCATION, PROTECTION, AND/OR RELOCATION OF EXISTING UTILITY LINES IN CONFLICT OR ADJACENT TO THE PROPOSED WORK.
2. CONTRACTOR TO COORDINATE WITH COASTAL ELECTRIC COOPERATIVE AND COMMUNICATION UTILITIES FOR RELOCATION OF UTILITIES.

SIDEWALK, PAVING AND GRADING NOTES:

1. THE NEW SIDEWALKS, ROADS, LANDSCAPED ISLANDS AND CROSSWALKS (WHERE APPLICABLE) SHALL BE GRADED IN ACCORDANCE WITH THE PROPOSED ELEVATIONS SHOWN IN THE GRADING PLAN. IN CASES WHERE THE GRADES ARE NOT SHOWN, THE PROPOSED GRADE WILL BE INTERPOLATED BETWEEN SPOT ELEVATIONS. GENERALLY, THE FINISHED SURFACES ARE GRADED FOR PROPER CONVEYANCE OF STORMWATER RUNOFF TO NEW AND EXISTING DRAINAGE INLETS.

2. THE CONTRACTOR SHALL ADJUST, AS NECESSARY, THE EXISTING MANHOLE COVERS, DRAINAGE GRATES, VENT GRATES, VALVE COVERS, ETC. TO MATCH GRADE OF NEW ASPHALT PAVEMENT OR CONCRETE SIDEWALK SURFACES AT NO ADDITIONAL COST TO THE OWNER. ALL WATER METER ADJUSTMENTS SHALL BE PERFORMED BY THE CITY OF WALTERBORO AND COORDINATED WITH THE CONTRACTOR. METER BOXES ARE TO BE TRAFFIC RATED.

3. SIDEWALK SHALL HAVE A MINIMUM ONE-PERCENT (1%) CROSS SLOPE TO ASSURE POSITIVE DRAINAGE TOWARDS THE ROAD. IF POSITIVE DRAINAGE IS NOT ACHIEVED BASED ON ELEVATIONS SHOWN, INFORM THE ENGINEER IMMEDIATELY. MAXIMUM CROSS SLOPE SHALL BE TWO PERCENT (2%) UNLESS WHERE SPECIFICALLY SHOWN.

4. THE CONTRACTOR SHALL CONSTRUCT A SAMPLE PANEL OF THE SCORED CONCRETE, **BLUESTONE PAVERS**, AND BRICK PAVING. THESE PANELS SHALL BE APPROVED BEFORE ANY SIDEWALK, PAVING, OR BRICK WORK IS PERFORMED AND WILL BE USED AS A BASIS FOR THE QUALITY WORKMANSHIP OF CONCRETE FINISH, **PAVERS**, AND BRICK WORK FOR THE REMAINDER OF THE PROJECT.

5. ALL STRUCTURES ADJACENT TO BRICK, **BLUESTONE PAVERS**, AND CONCRETE PAVEMENT SHALL HAVE EXPANSION MATERIAL BETWEEN THE STRUCTURE AND THE NEW OR EXISTING PAVEMENT.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION IN ACCORDANCE WITH THE SPECIFICATIONS. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK.

7. THE CONTRACTOR SHALL VERIFY POSITIVE DRAINAGE IS ACHIEVED FROM ALL AREAS TO NEW AND/OR EXISTING STORM DRAIN INLETS.

8. ALL NEW DRAINAGE STRUCTURES WITHIN SCDOT RIGHT OF WAYS SHALL BE SCDOT STANDARD.

LANDSCAPE NOTES:

1. QUANTITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HIS OR HER OWN TAKE-OFFS. IF THERE IS A CONFLICT BETWEEN QUANTITIES AND SPACING, SPACING SHALL PREVAIL.

2. ALL AREAS NOT COVERED BY CONSTRUCTION OR PLANT BED AREAS, SHALL BE PLACED IN TURF. ALL R.O.W. AREAS BETWEEN PLANT BEDS AND EDGE OF PAVEMENT SHALL BE PLACED IN TURF.

3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSEES FROM THE PROPER AUTHORITIES BEFORE BEGINNING ANY WORK WITHIN IN THE R.O.W. OR OFF-SITE.

UTILITIES NOTES:

1. EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE DRAWINGS BASED ON THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES PRIOR TO ANY EXCAVATION TO VERIFY ACTUAL FIELD LOCATIONS, PROTECTION AND/OR RELOCATION OF EXISTING UTILITY LINES IN CONFLICT OR ADJACENT TO THE PROPOSED WORK.

EROSION CONTROL NOTES:

1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO GRASSING/HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

2. 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.

3. 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 INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

5. 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 COMPLETED AND THE SITE IS STABILIZED.

6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE 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.

7. 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.

8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

9. 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-FT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10-FT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.

10. 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.

11. A COPY OF THE SWPPP, INSPECTION 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 THE FINAL STABILIZATION IS REACHED.

12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF SEVEN (7) CALENDAR DAYS.

13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

14. 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.

15. 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.).

16. THE FOLLOWNG DISCHARGES FROM SITES ARE PROHIBITED:
   »WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
   »WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FROM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
   »FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.
   »SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

17. 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.

18. 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.

19. 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 MORE THAN 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

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, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

PALMETTO UTILITY PROTECTION SERVICE

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THE LANDPLAN GROUP SOUTH
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THE LANDPLAN GROUP SOUTH, INC. No. 153 — SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION

State of South Carolina — REGISTERED LANDSCAPE ARCHITECT — No. 1750 — W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS
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NOTES

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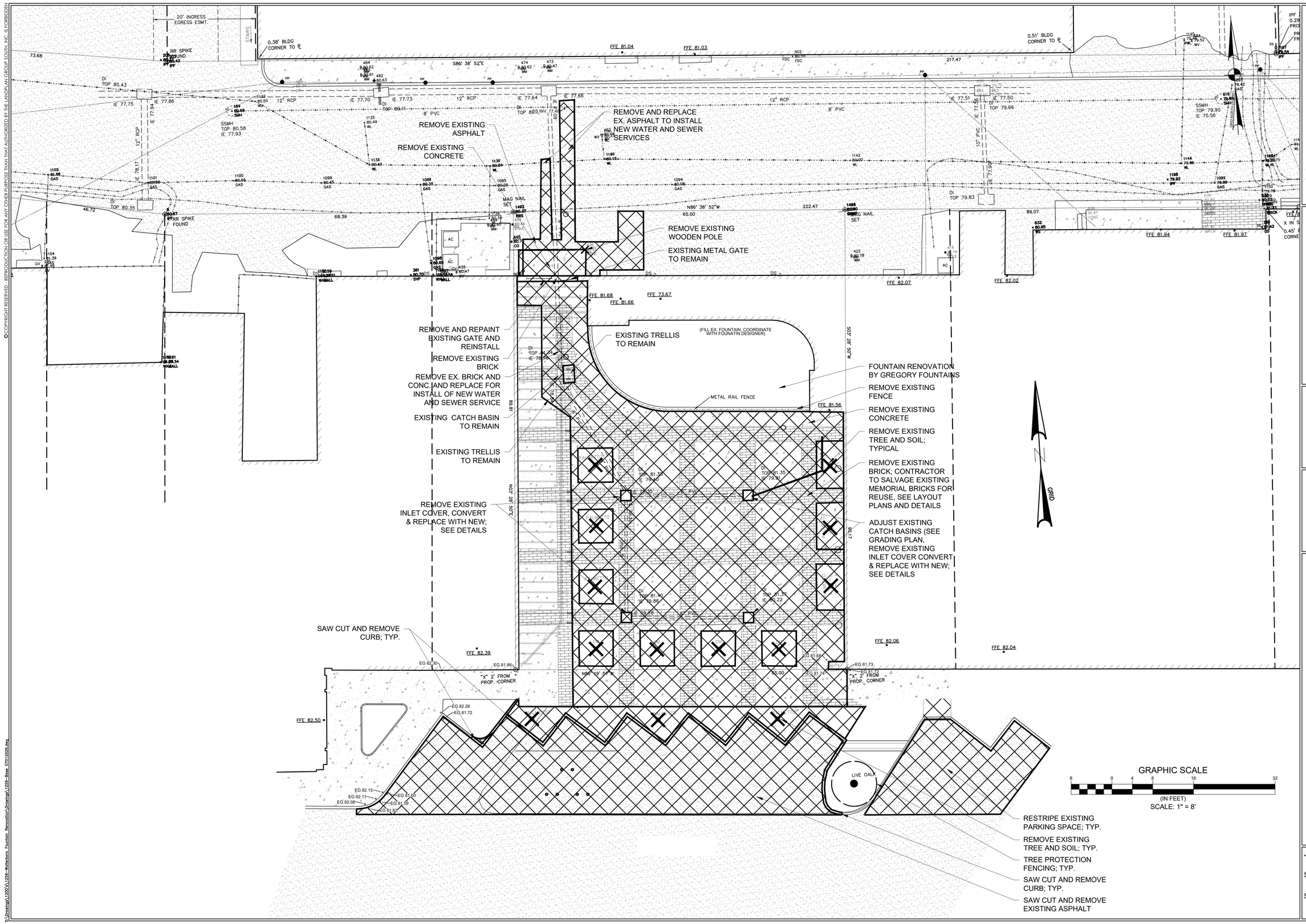

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THE LANDPLAN GROUP SOUTH INC. No. 153 — CERTIFICATE OF AUTHORIZATION — SOUTH CAROLINA

State of South Carolina — REGISTERED LANDSCAPE ARCHITECT — No. 1750 — CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
EX. CONDITIONS AND DEMO.PLAN

JOB #: 1256
SCALE: 1" = 8'
SHEET: 3.0 OF 16

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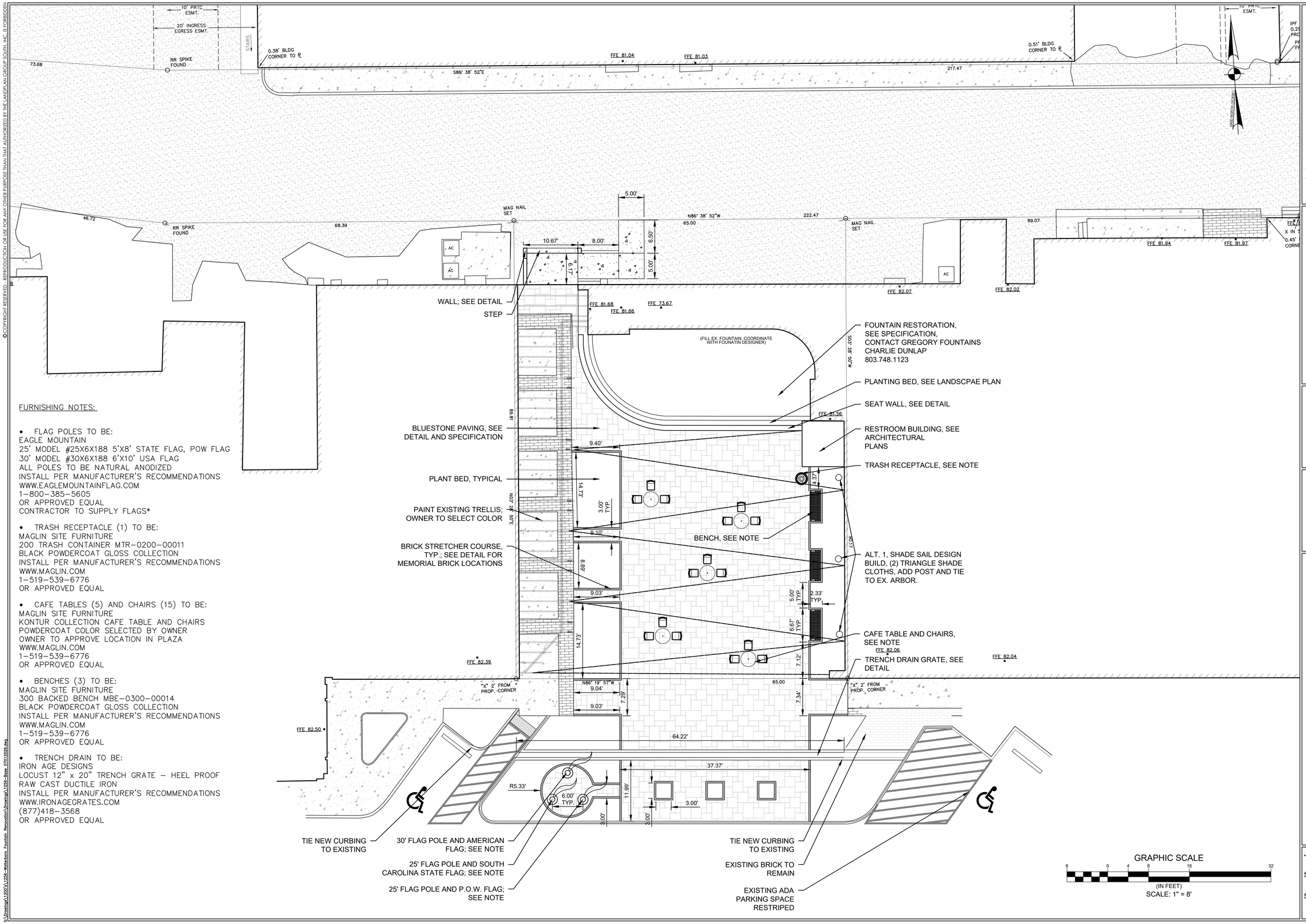

FURNISHING NOTES:

- FLAG POLES TO BE:
  EAGLE MOUNTAIN
  25' MODEL #25X6X188 5'X8' STATE FLAG, POW FLAG
  30' MODEL #30X6X188 6'X10' USA FLAG
  ALL POLES TO BE NATURAL ANODIZED
  INSTALL PER MANUFACTURER'S RECOMMENDATIONS
  WWW.EAGLEMOUNTAINFLAG.COM
  1-800-385-5605
  OR APPROVED EQUAL
  CONTRACTOR TO SUPPLY FLAGS*

- TRASH RECEPTACLE (1) TO BE:
  MAGLIN SITE FURNITURE
  200 TRASH CONTAINER MTR-0200-00011
  BLACK POWDERCOAT GLOSS COLLECTION
  INSTALL PER MANUFACTURER'S RECOMMENDATIONS
  WWW.MAGLIN.COM
  1-519-539-6776
  OR APPROVED EQUAL

- CAFE TABLES (5) AND CHAIRS (15) TO BE:
  MAGLIN SITE FURNITURE
  KONTUR COLLECTION CAFE TABLE AND CHAIRS
  POWDERCOAT COLOR SELECTED BY OWNER
  OWNER TO APPROVE LOCATION IN PLAZA
  WWW.MAGLIN.COM
  1-519-539-6776
  OR APPROVED EQUAL

- BENCHES (3) TO BE:
  MAGLIN SITE FURNITURE
  300 BACKED BENCH MBE-0300-00014
  BLACK POWDERCOAT GLOSS COLLECTION
  INSTALL PER MANUFACTURER'S RECOMMENDATIONS
  WWW.MAGLIN.COM
  1-519-539-6776
  OR APPROVED EQUAL

- TRENCH DRAIN TO BE:
  IRON AGE DESIGNS
  LOCUST 12" x 20" TRENCH GRATE - HEEL PROOF
  RAW CAST DUCTILE IRON
  INSTALL PER MANUFACTURER'S RECOMMENDATIONS
  WWW.IRONAGEGRATES.COM
  (877)418-3568
  OR APPROVED EQUAL

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THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1730
CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS

WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS

LAYOUT PLAN

JOB #: 1256
SCALE: 1" = 8'
SHEET: 4.0 OF 16

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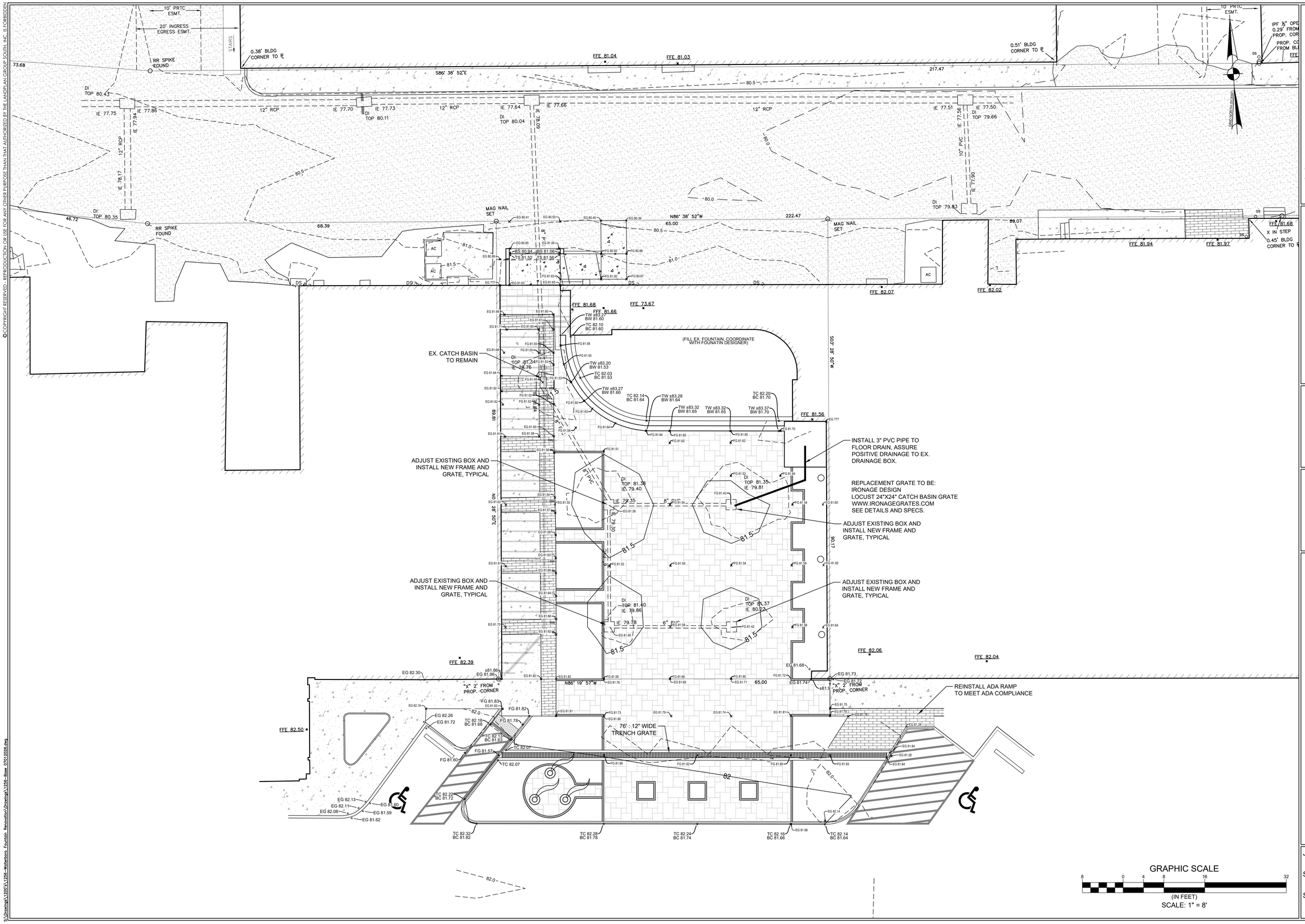

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No. 1730
CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
GRADING PLAN

JOB #: 1256
SCALE: 1" = 8
SHEET: 5.0 OF 16

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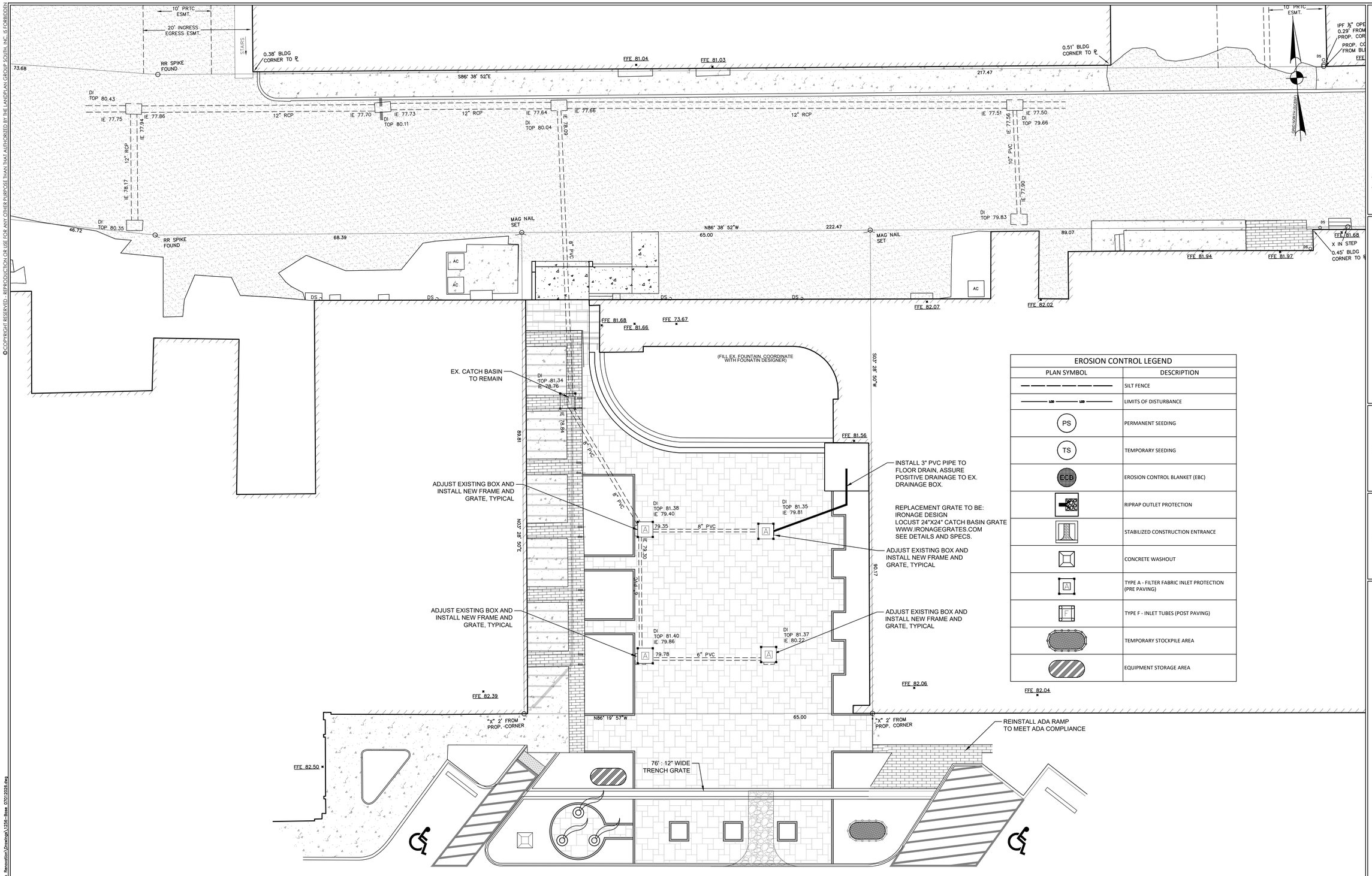

EROSION CONTROL LEGEND

PLAN SYMBOL	DESCRIPTION
	SILT FENCE
LOD LOD	LIMITS OF DISTURBANCE
PS	PERMANENT SEEDING
TS	TEMPORARY SEEDING
EBC	EROSION CONTROL BLANKET (EBC)
	RIPRAP OUTLET PROTECTION
	STABILIZED CONSTRUCTION ENTRANCE
	CONCRETE WASHOUT
A	TYPE A - FILTER FABRIC INLET PROTECTION (PRE PAVING)
F	TYPE F - INLET TUBES (POST PAVING)
	TEMPORARY STOCKPILE AREA
	EQUIPMENT STORAGE AREA

GRAPHIC SCALE

8 0 4 8 16 32

(IN FEET)
SCALE: 1" = 8'

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No. 1730
W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
EROSION CONTROL

JOB #: 1256
SCALE: 1" = 8'
SHEET: 6.0 OF 16

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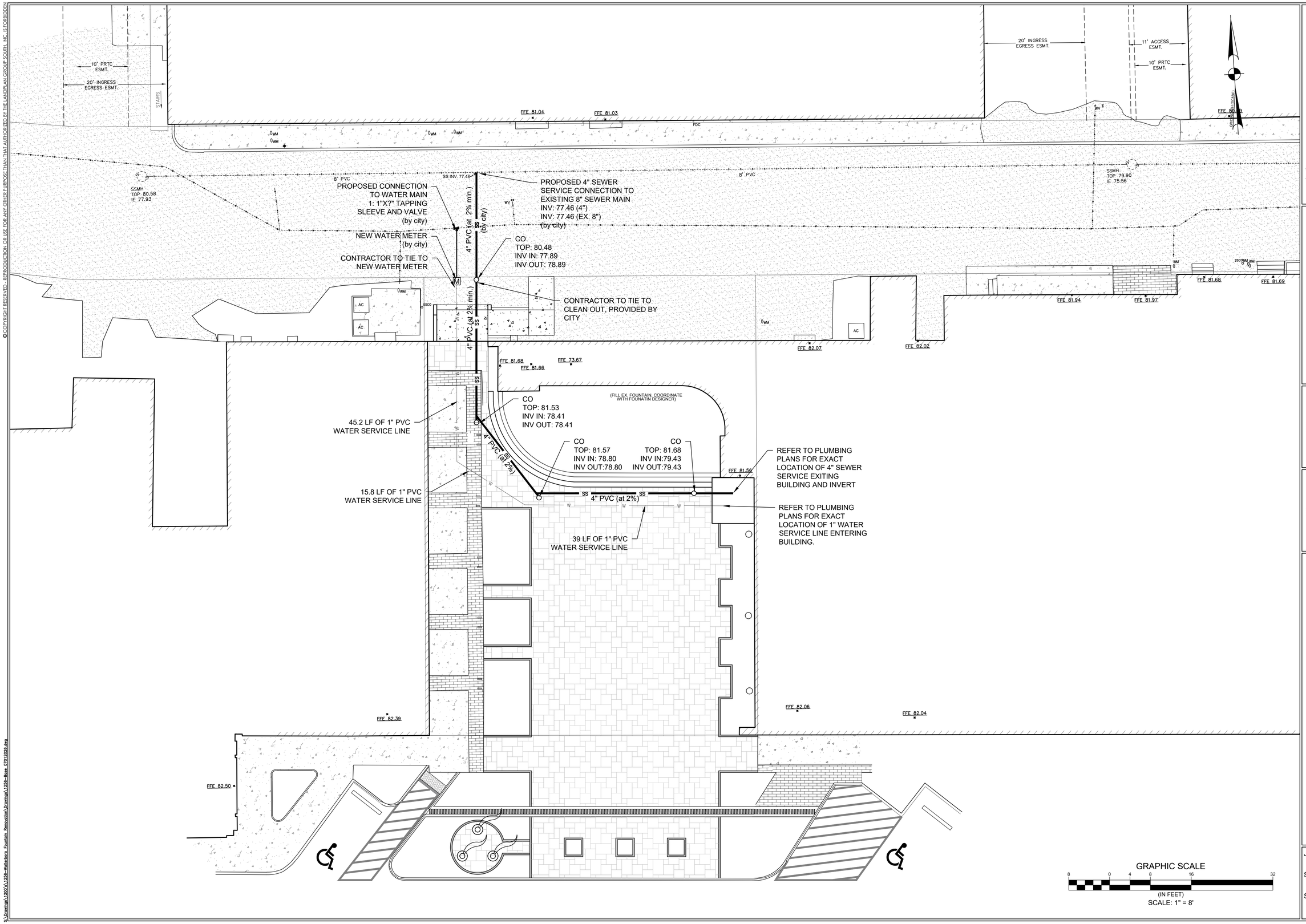

GRAPHIC SCALE
8 0 4 8 16 32
(IN FEET)
SCALE: 1" = 8'

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CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS

WALTERBORO, SOUTH CAROLINA

CONSTRUCTION DRAWINGS

UTILITY PLAN

JOB #: 1256

SCALE: 1" = 8'-0"

SHEET: 7.0 OF 16

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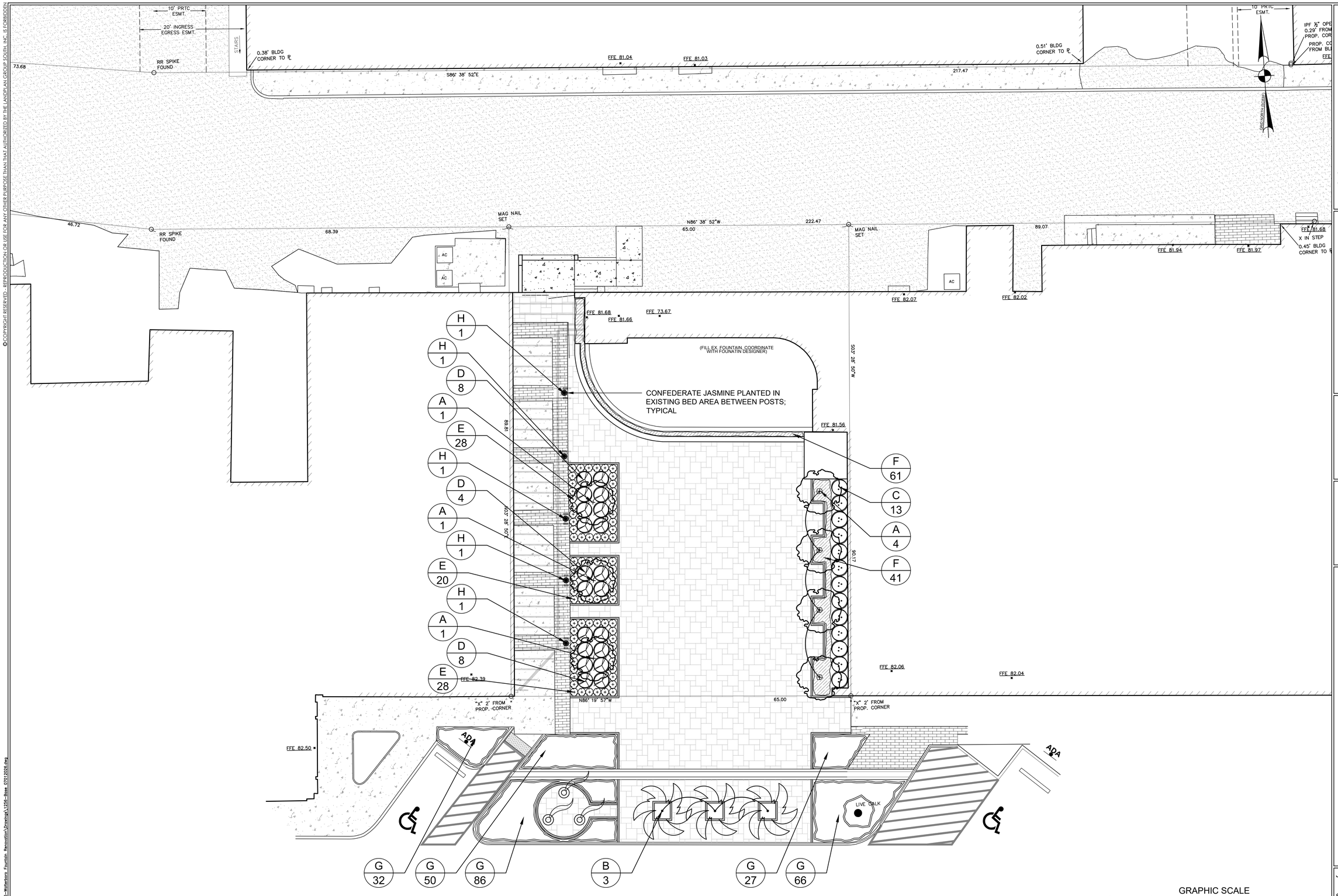

GRAPHIC SCALE

(IN FEET)
SCALE: 1" = 8'

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THE LANDPLAN GROUP SOUTH, INC. No. 153 — STATE OF SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION

State of South Carolina — REGISTERED LANDSCAPE ARCHITECT — No. 1730 — CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS

WALTERBORO, SOUTH CAROLINA

CONSTRUCTION DRAWINGS

LANDSCAPE PLAN

JOB #: 1256

SCALE: 1" = 8'

SHEET: 8.0 OF 16

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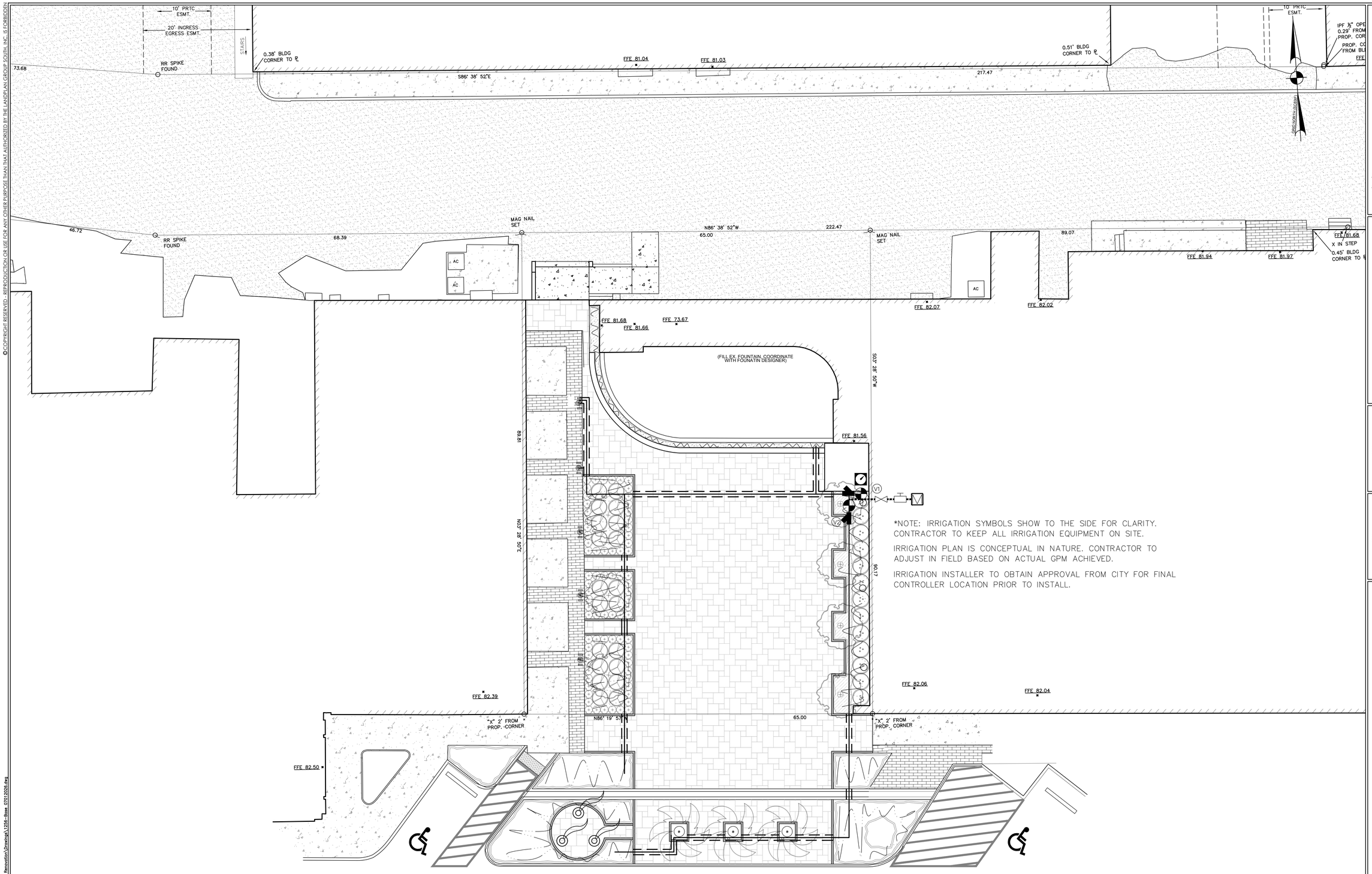

*NOTE: IRRIGATION SYMBOLS SHOW TO THE SIDE FOR CLARITY. CONTRACTOR TO KEEP ALL IRRIGATION EQUIPMENT ON SITE.

IRRIGATION PLAN IS CONCEPTUAL IN NATURE. CONTRACTOR TO ADJUST IN FIELD BASED ON ACTUAL GPM ACHIEVED.

IRRIGATION INSTALLER TO OBTAIN APPROVAL FROM CITY FOR FINAL CONTROLLER LOCATION PRIOR TO INSTALL.

GRAPHIC SCALE

8 0 4 8 16 32

(IN FEET)
SCALE: 1" = 8'

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WALTERBORO FOUNTAIN RENOVATIONS

WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS

IRRIGATION PLAN

JOB #: 1256
SCALE: 1" = 8'
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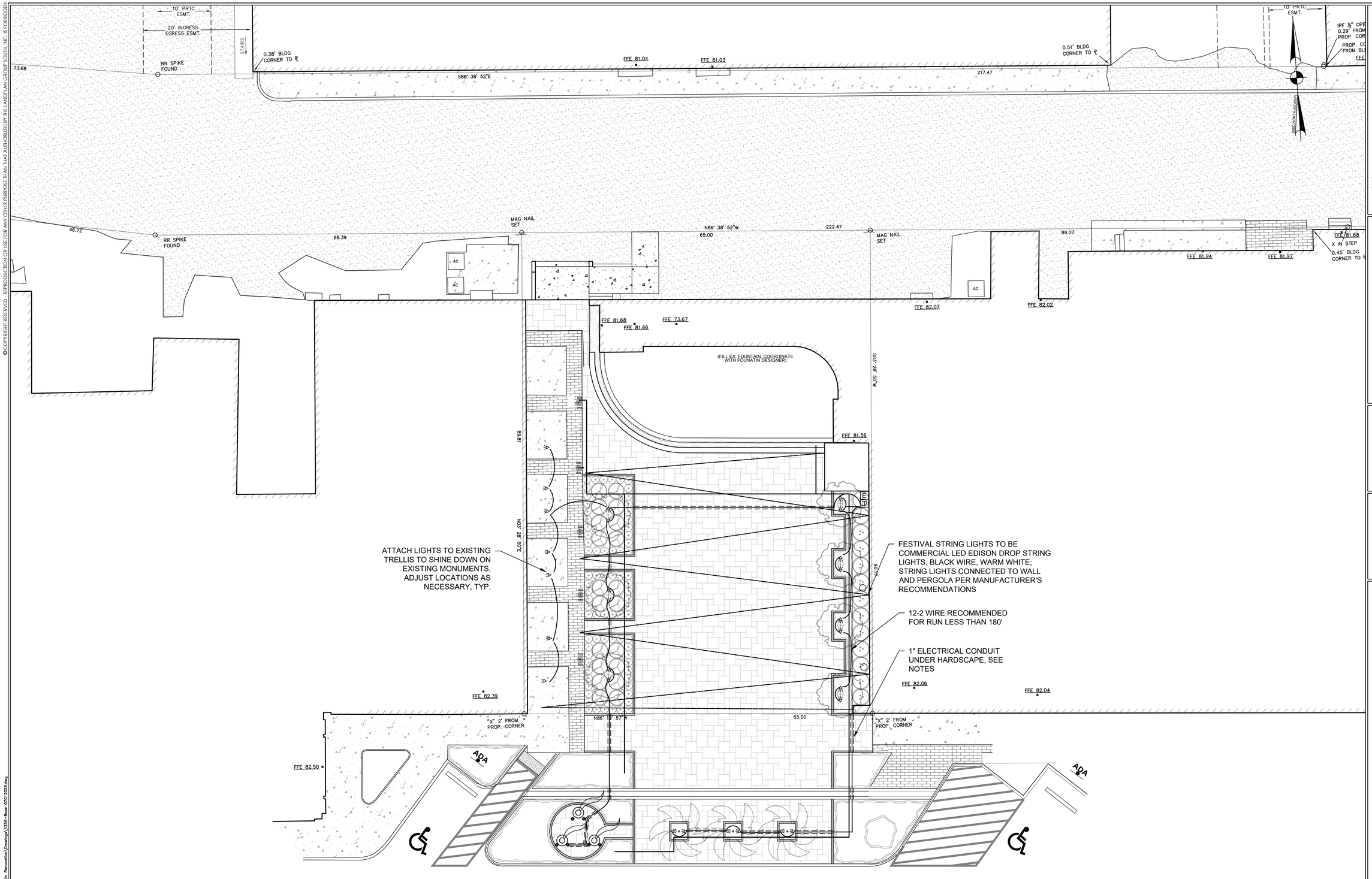

GRAPHIC SCALE

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(IN FEET)

SCALE: 1" = 8'

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CHARLES W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS

WALTERBORO, SOUTH CAROLINA

CONSTRUCTION DRAWINGS

LOW VOLTAGE LIGHTING PLAN

JOB #: 1256

SCALE: 1" = 8'

SHEET: 10.0 OF 16

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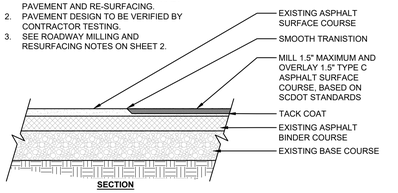
NOTES:
1. ALL WORK TO BE PERFORMED BASED ON SCDOT STANDARDS FOR ASPHALT PAVEMENT AND RE-SURFACING.
2. PAVEMENT DESIGN TO BE VERIFIED BY CONTRACTOR TESTING.
3. SEE ROADWAY MILLING AND RESURFACING NOTES ON SHEET 2.

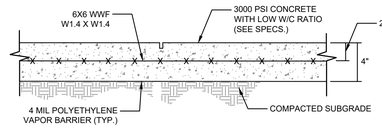


SECTION

MILL AND OVERLAY ASPHALT PAVING

NOT TO SCALE

PLAN VIEW

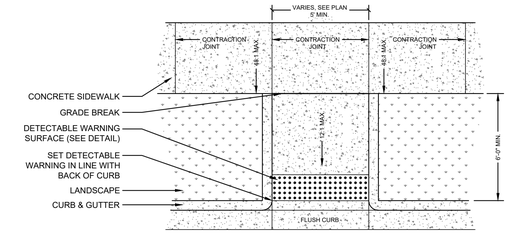


SECTION VIEW

NOTES:
1. **SIDEWALK CROSS SLOPE BE NO STEEPER THAN 1:48 AND SHALL MEET 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (SECTION 403.3).**
2. **EXPANSION JOINTS SHALL BE PROVIDED EVERY 30' IN ACCORDANCE WITH TYPICAL EXPANSION JOINT DETAIL.**
3. **ALL JOINTS SHALL BE SAWN WITH ROUTER BLADE TO SIMULATE TOOLED JOINT.**

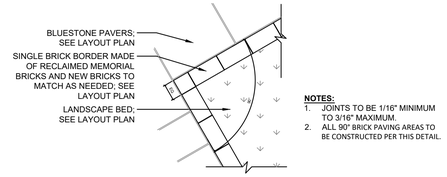
SIDEWALK DETAIL

NOT TO SCALE



PEDESTRIAN RAMP DETAIL

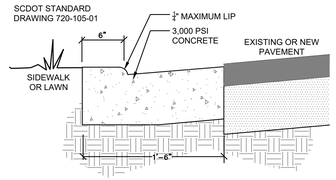
NOT TO SCALE



NOTES:
1. JOINTS TO BE 1/16" MINIMUM TO 3/16" MAXIMUM.
2. ALL 90° BRICK PAVING AREAS TO BE CONSTRUCTED PER THIS DETAIL.

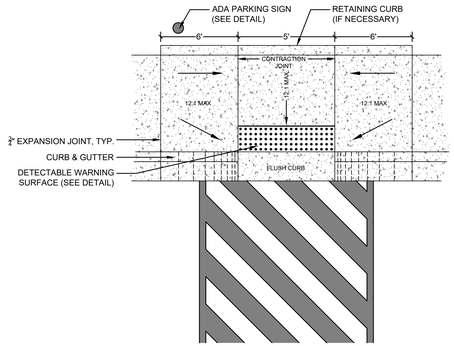
BRICK HEADER 90° JOINT

NOT TO SCALE



FLUSH CURB & GUTTER

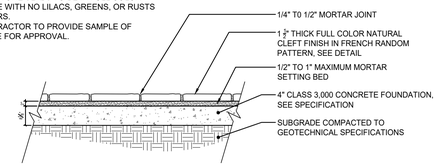
NOT TO SCALE



ADA RAMP DETAIL

NOT TO SCALE

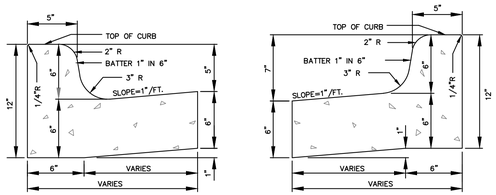
NOTES:
1. CONTRACTOR TO REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. BLUESTONE TO BE LAID IN REPEATING FRENCH RANDOM PATTERN.
3. BLUESTONE SLABS TO BE IN FULL COLOR RANGE WITH NO LILACS, GREENS, OR RUSTS COLORS.
4. CONTRACTOR TO PROVIDE SAMPLE OF STONE FOR APPROVAL.



SECTION

BLUESTONE PAVING SECTION

NOT TO SCALE



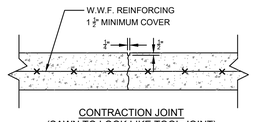
NORMAL GUTTER

PITCHED GUTTER

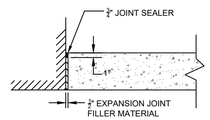
NOTES:
1. CURB AND GUTTER TO BE CONSTRUCTED IN 10-FOOT LENGTHS.
2. 1/2 INCH EXPANSION JOINT SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 100 FEET, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.
3. 5-FOOT LONG TRANSITIONS SHALL BE PROVIDED BETWEEN NORMAL GUTTER AND PITCHED GUTTER, UNLESS OTHERWISE NOTED ON THE PAVING PLANS.

BARRIER TYPE CURB AND GUTTER DETAIL

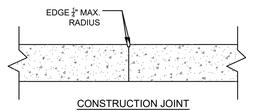
NOT TO SCALE



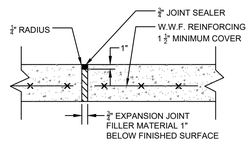
CONTRACTION JOINT (SAWN TO LOOK LIKE TOOL JOINT)



EXPANSION JOINT BETWEEN CONCRETE AND STRUCTURES



CONSTRUCTION JOINT

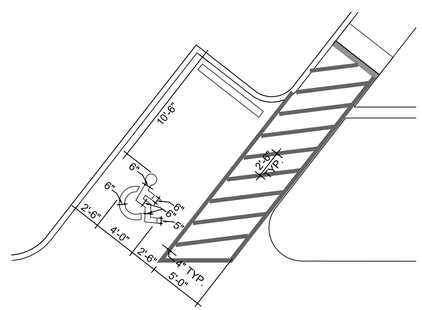


TYPICAL EXPANSION JOINT (FOR SIDEWALK)

NOTES:
1. **PROVIDE JOINTS AT END OF POUR.**
2. **STOP SLAB REINFORCING ONE INCH FROM JOINT.**
3. **SEE LAYOUT PLAN FOR ALL SCORING AND PATTERNS. CONTACT LANDSCAPE ARCHITECT/ENGINEER WITH ANY QUESTIONS.**

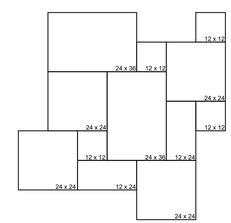
TYPICAL SIDEWALK AND CONCRETE JOINT DETAILS

NOT TO SCALE



HANDICAP PARKING BAY MARKINGS

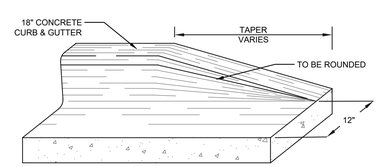
NOT TO SCALE



NOTES:
1. BLUESTONE PAVERS TO BE INSTALLED IN 4-PIECE FRENCH RANDOM PATTERN, 36sf REPEATING; SEE SPECIFICATIONS.
2. STONE SIZES TO BE IN NOMINAL WIDTHS OF 12"x12", 12"x24", 24"x24", AND 24"x36".

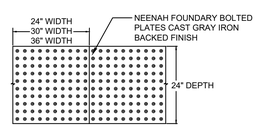
BLUESTONE PAVER PATTERN

NOT TO SCALE

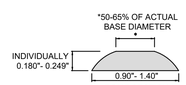


CURB TAPER DETAIL

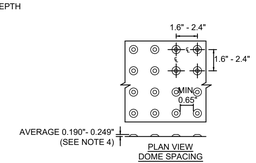
NOT TO SCALE



DOME ALIGNMENT



DOME SECTION

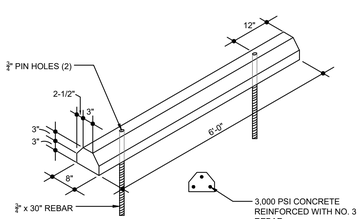


PLAN VIEW DOME SPACING

NOTES:
1. **DETECTABLE WARNING SURFACES SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:**
   (A) WHERE A SIDEWALK CROSSES A VEHICULAR WAY, EXCLUDING UN-SIGNALIZED DRIVEWAY CROSSINGS.
   (B) WHERE A RAIL SYSTEM CROSSES A PEDESTRIAN FACILITY THAT IS NOT SHARED WITH VEHICLES.
   (C) AT ISLANDS AND MEDIANS THAT ARE CUT THROUGH LEVEL WITH THE ROADWAY.
2. **AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE CURB LINE. THE SURFACE SHALL EXTEND A MINIMUM OF 24" ONTO THE RAMP IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE CURB RAMP.**
3. **AT RAIL CROSSINGS, THE DETECTABLE WARNING SURFACE SHALL BE 24" DEEP AND FULL WIDTH OF THE SIDEWALK. THE EDGE OF THE SURFACE NEAREST THE RAIL CROSSING IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE VEHICLE DYNAMIC ENVELOPE (6' FROM THE NEAREST RAIL) UNLESS OTHERWISE NOTED BY THE RAILROAD.**
4. **DETECTABLE WARNING SURFACES SHALL CONSIST OF AN AREA OF TRUNCATED DOMES ALIGNED IN A SQUARE GRID PATTERN. THE BASE OF THESE DOMES SHALL BE 0.90"-1.40". THE TOP DIAMETER OF DOMES SHALL BE 50%-65% OF ACTUAL BASE DIAMETER, WITH A MINIMUM INDIVIDUAL HEIGHT OF 0.180" AND A MAXIMUM HEIGHT OF 0.249". THE AVERAGE OF TEN (10) INDIVIDUAL NODES PICKED AT RANDOM IN ANY SQUARE FOOT AREA SHALL BE 0.190"-0.249". THE DETECTABLE WARNING DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6-2.4".**
5. **WHEN DOMES IN ANY ONE FOOT SQUARE AREA WEAR TO AN AVERAGE HEIGHT BELOW 0.151", THE SURFACE IS TO BE REPLACED.**
6. **FOR ALL DETECTABLE WARNING SURFACES, THE DEPARTMENT'S DEFAULT COLOR IS SAFETY YELLOW (FEDERAL NUMBER 33538) UNLESS A SPECIFIC PROJECT REQUIRES ANOTHER COLOR. WHEN A COLOR OTHER THAN SAFETY YELLOW IS SELECTED FOR A PROJECT, THE COLOR SELECTED WILL CONTRAST EITHER LIGHT-ON-DARK OR DARK-ON LIGHT.**
7. **DETECTABLE WARNING SURFACE TO BE INSTALLED BY CONTRACTOR AT ALL LOCATIONS SHOWN ON LAYOUT PLAN AND AT EVERY ADA CURB RAMP.**

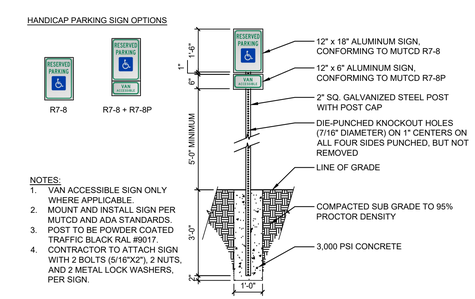
DETECTABLE WARNING SURFACE DETAIL

NOT TO SCALE



CONCRETE PARKING BLOCK DETAIL

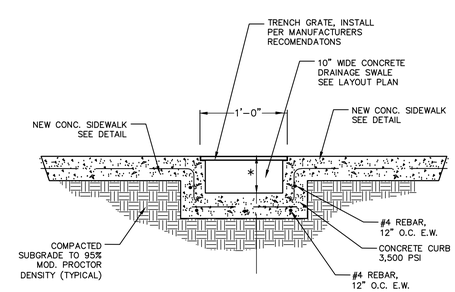
NOT TO SCALE



NOTES:
1. VAN ACCESSIBLE SIGN ONLY WHERE APPLICABLE.
2. MOUNT AND INSTALL SIGN PER MUTCD AND ADA STANDARDS.
3. POST TO BE POWDER COATED TRAFFIC BLACK RAL #9017.
4. CONTRACTOR TO ATTACH SIGN WITH 2 BOLTS (5/16"X2"), 2 NUTS, AND 2 METAL LOCK WASHERS, PER SIGN.

VAN-ACCESSIBLE SIGN POST

NOT TO SCALE



* HEIGHT VARIES, SEE GRADING PLAN

TRENCH GRATE DETAIL

NOT TO SCALE

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1206 SCOTT STREET
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803.256.0562
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FILE NAME: 1256-Base 07012026 | DWN. OES | CHKD. CWH | DSGN. OES | XX.XX.XX | MM.DD.YY

SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
CHRISTOPHER W. HOWELL
No. 1730
LANDSCAPE ARCHITECT

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
DETAILS

JOB #: 1256
SCALE: 1" = 30'
SHEET: 11.0 OF XX

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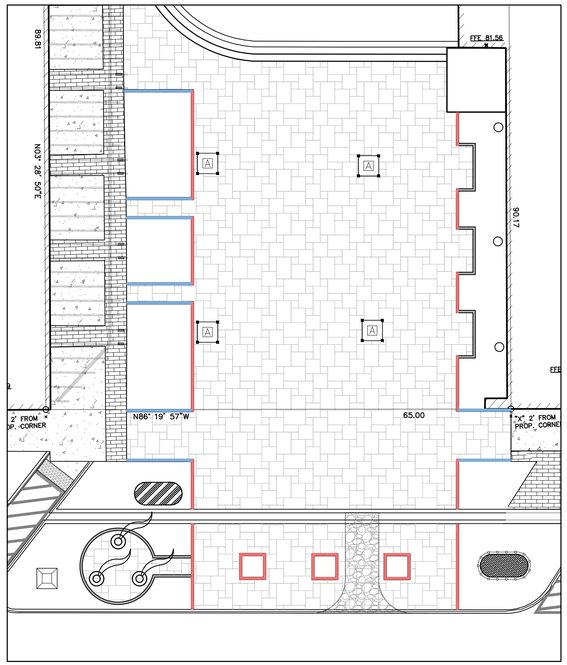


PRIMARY PLACEMENT OF RECLAIMED MEMORIAL BRICKS - APPROXIMATELY 251LF
(FILL THESE AREAS FIRST WITH MEMORIAL BRICKS)

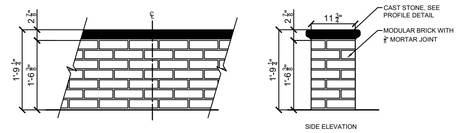
SECONDARY PLACEMENT OF RECLAIMED MEMORIAL BRICKS
(FILL THESE AREAS WITH MEMORIAL BRICKS IF ANY ARE LEFT)

NEW BRICK, SEE NOTE

NOTE:
- CONTRACTOR TO RECEIVE LAYOUT APPROVAL FROM LANDSCAPE ARCHITECT AND OWNER PRIOR TO FINAL INSTALLATION OF MEMORIAL BRICKS.
- NEW BRICKS TO BE PINEHALL BRICK TRADITIONAL EDGE, RED MODULAR, OR APPROVED EQUAL.

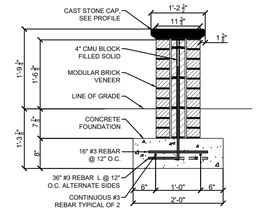
MEMORIAL BRICK LAYOUT

NOT TO SCALE



00 BRICK SEAT WALL - ELEVATION

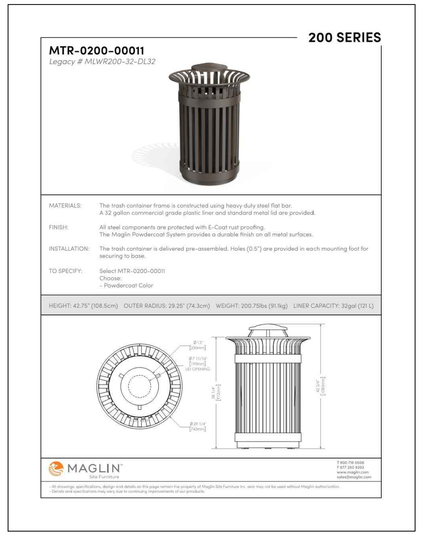
NOTES:
1. BRICK: OLD CAROLINA HANDMADE BRICK, STANDARD PAVER, COLOR "GEORGETOWN", OR APPROVED SUBSTITUTION.
2. MORTAR: HOLCIM, COLOR OYSTER WHITE OR APPROVED SUBSTITUTION.
3. CAST STONE: WHITE/LIGHT GRAY FINISH WITH MATCHING MORTAR.



00 BRICK SEAT WALL - SECTION

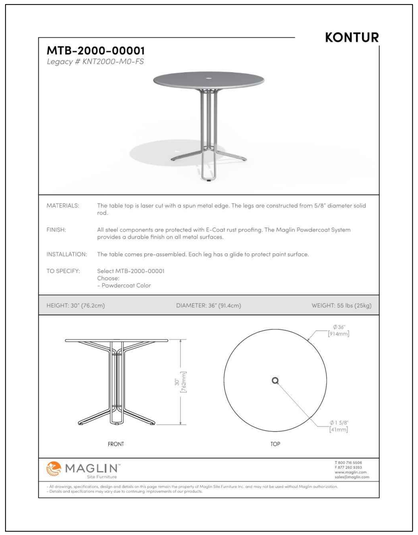
BRICK SEAT WALL DETAILS

NOT TO SCALE



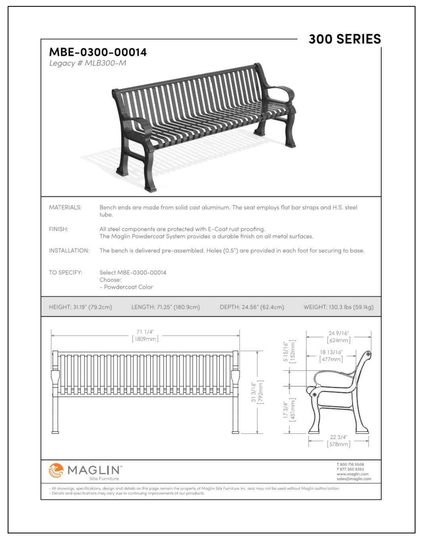
TRASH RECEPTACLE

NOT TO SCALE



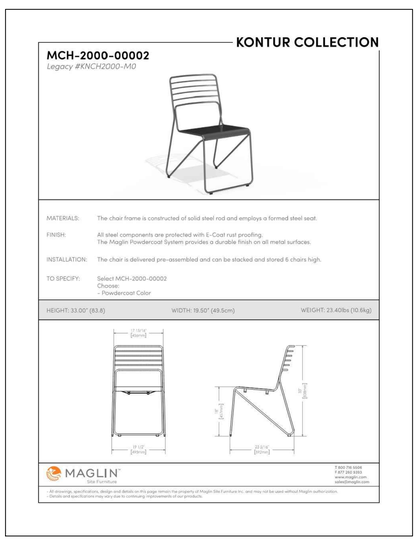
CAFE TABLE

NOT TO SCALE



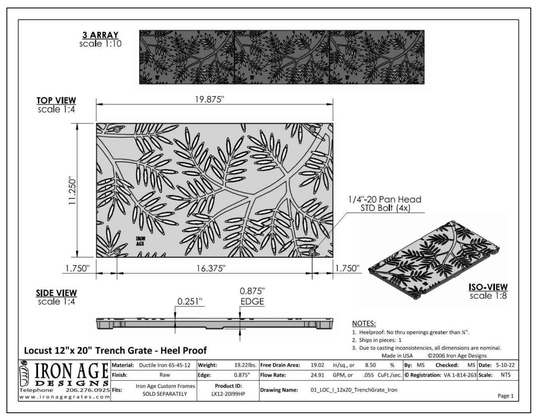
BENCH

NOT TO SCALE



CAFE CHAIR

NOT TO SCALE



TRENCH GRATE

NOT TO SCALE

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FILE NAME: 1256-Base 07012026			
DWN. OES	CHKD. CWH	DSGN. OES	XX.XX.XX MM.DD.YY

SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1750
W. HONELL

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
DETAILS

JOB #: 1256
SCALE: NO SCALE
SHEET: 11.1 OF 16

S:\Drawings\12001\1256-Walterboro Fountain Renovation\Drawings\1256-Base 07012026.dwg

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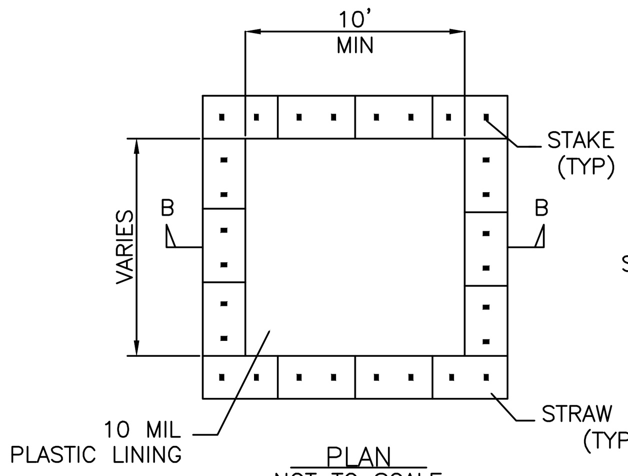
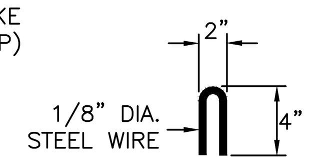
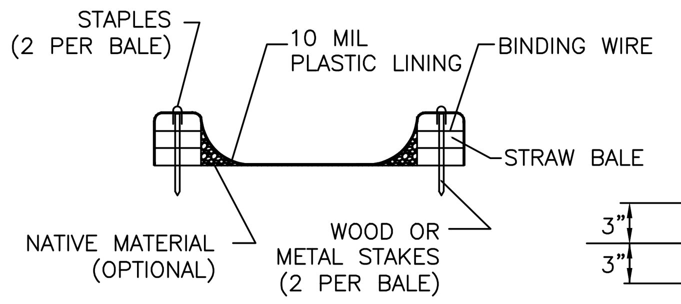


PLAN
NOT TO SCALE

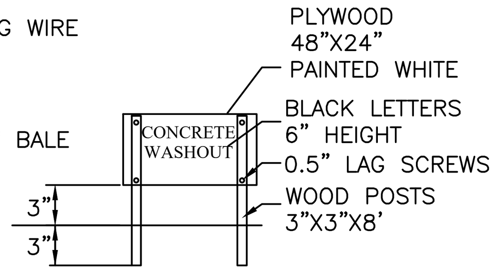
TYPE "ABOVE GRADE"
WITH STRAW BALES



STAPLE DETAIL



SECTION B–B
NOT TO SCALE



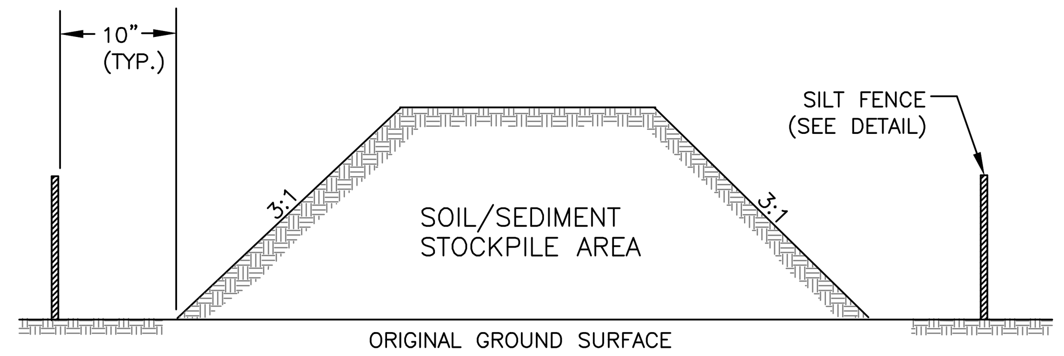
CONCRETE WASHOUT
SIGN DETAIL
(OR EQUIVALENT)

NOTES

1. ACTUAL LOCATION SHOWN ON SHEET 5.
2. ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO CONCRETE WASHOUT AREA.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
4. ONCE CONCRETE WASTES ARE WASHED INTO THE WASHOUT AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF PER WM-5, SOLID WASTE MANAGEMENT.
5. WASHOUT AREAS MUST BE CLEANED OUT WHEN IT IT 75% FULL.
6. WHEN WASHOUT AREA IS NO LONGER NEEDED, MATERIALS USED TO CONSTRUCT THE WASHOUT AREA SHOULD BE REMOVED FROM THE SITE AND DISPOSED OF.
7. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE CONCRETE WASHOUT AREA SHOULD BE BACKFILLED AND REPAIRED.

CONCRETE WASHOUT AREA DETAIL (IF NECESSARY)

NOT TO SCALE

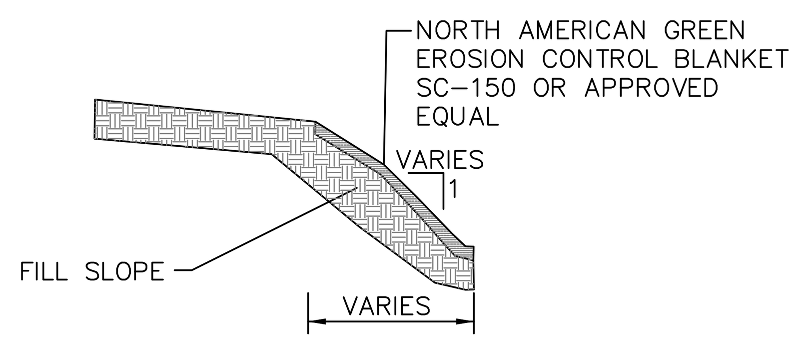


NOTES:

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

TEMPORARY STOCKPILE AREA DETAIL

NOT TO SCALE



SECTION VIEW

NOTES:

1. SEED AND FERTILIZE AREA PRIOR TO BLANKET INSTALLATION.
2. STAKE/STAPLE OR OTHERWISE FIX BLANKET IN PLACE PER MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL SUBMIT EROSION CONTROL BLANKET SHOP DRAWING AND/OR MANUFACTURER SUPPLIED SPECIFICATIONS. INSTALLATION DETAILS AND INSTRUCTIONS 10 DAYS PRIOR TO PROPOSED USAGE FOR ENGINEER'S APPROVAL.

EROSION CONTROL MATTING DETAIL

NOT TO SCALE

CONSTRUCTION ENTRANCE – GENERAL NOTES

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

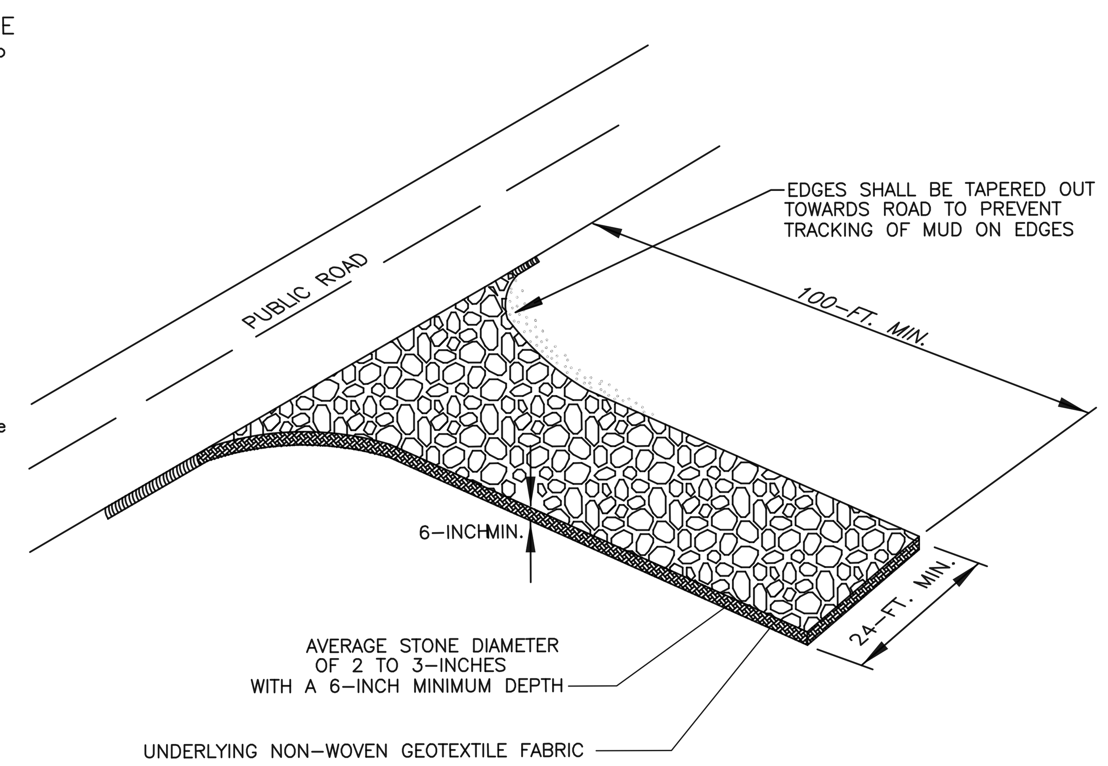
CONSTR. ENTRANCE – INSPECTION & MAINTENANCE

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24–hours after each rainfall even that produces 1/2–inch or more of precipitation.

CONSTR. ENTRANCE – INSPECTION & MAINTENANCE

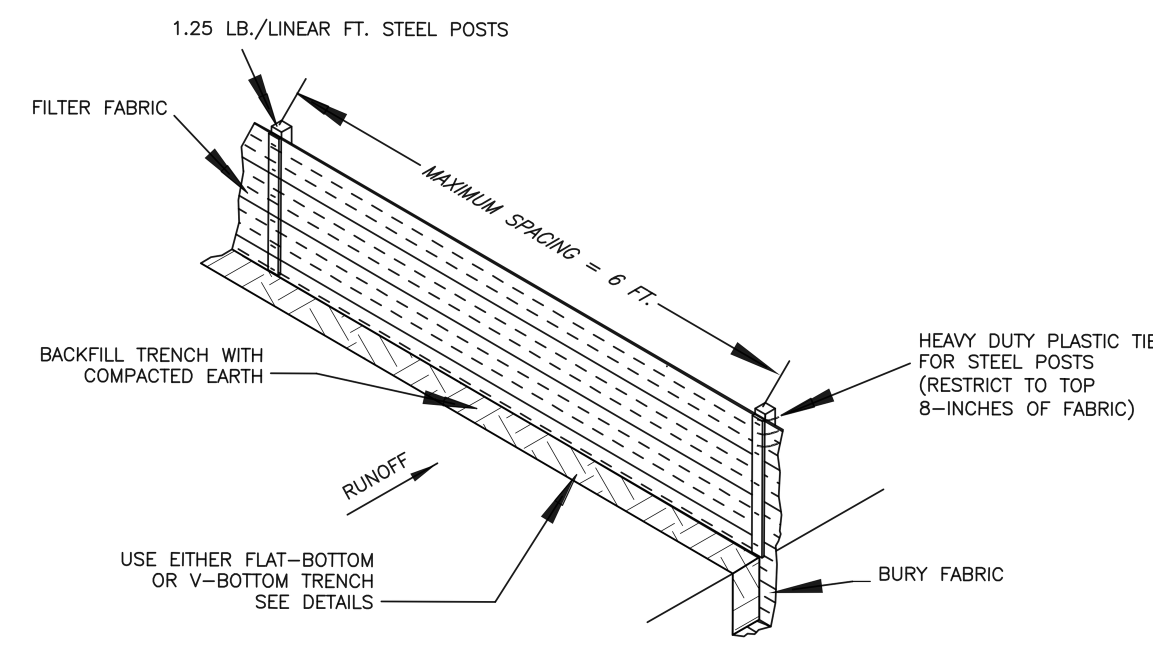
3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
4. Reshape the stone pad as necessary for drainage and runoff control.
5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off–site by vehicles. Frequent washing will extend the useful life of stone pad.
6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
7. During maintenance activities, any broken pavement should be repaired immediately.
8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post–construction.

SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2–3 INCHES

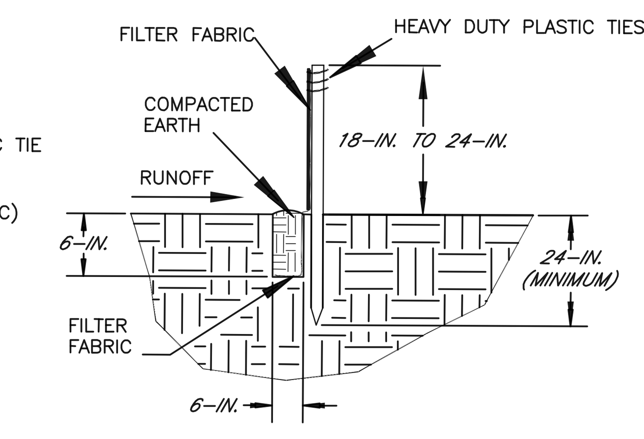


CONSTRUCTION ENTRANCE DETAIL

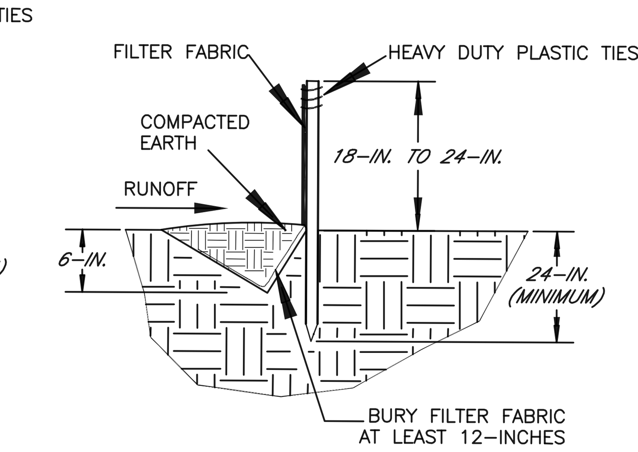
NOT TO SCALE



SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL

SILT FENCE - POST REQUIREMENTS

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

SILT FENCE - INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

SILT FENCE - FABRIC REQUIREMENTS

1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
   - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
   - Free of any treatment or coating which might adversely alter its physical properties after installation;
   - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
   - Have a minimum width of 36-inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

SILT FENCE - GENERAL NOTES

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

SILT FENCE GENERAL NOTES AND DETAIL

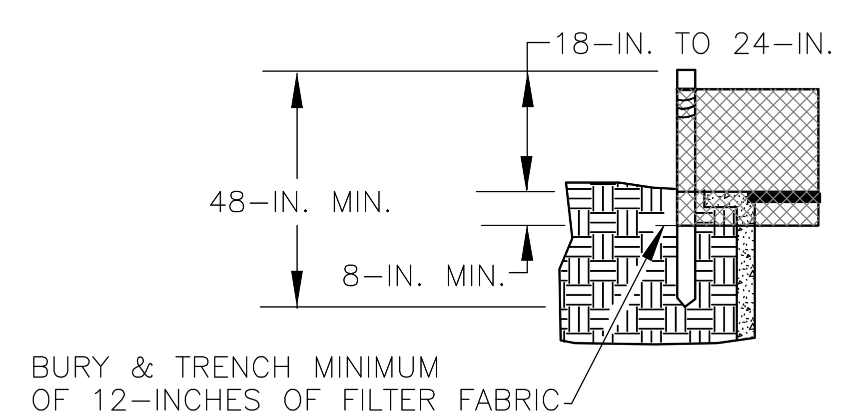
NOT TO SCALE

TYPE A – FILTER FABRIC REQUIREMENTS

1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
– Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
– Free of any treatment or coating which might adversely alter its physical properties after installation;
– Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
– Have a minimum width of 36–inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12–inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24–inches above the ground.

TYPE A – POST REQUIREMENTS

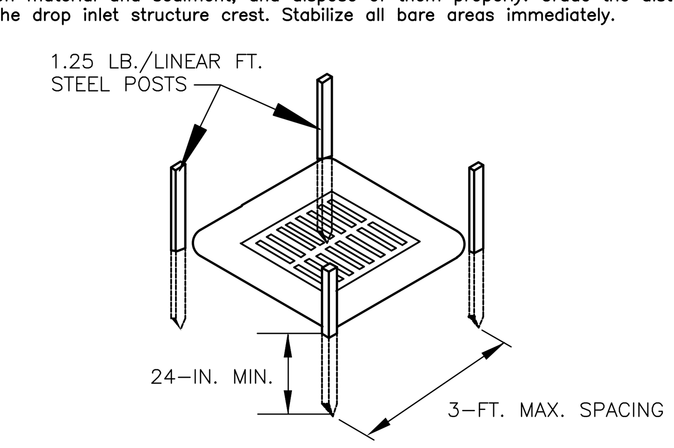
1. Silt Fence posts must be 48–inch long steel posts that meet, at a minimum, the following physical characteristics.
– Composed of a high strength steel with a minimum yield strength of 50,000 psi.
– Include a standard "T" section with a nominal face width of 1.38–inchesand a nominal "T" length of 1.48–inches.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



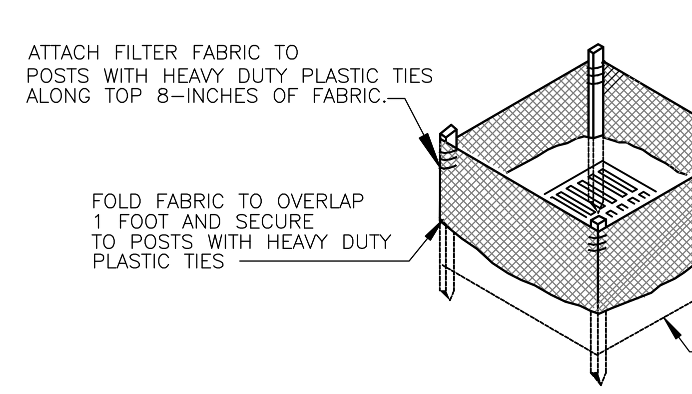
FILTER FABRIC BURIAL DETAIL

TYPE A – INSPECTION & MAINTENANCE

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

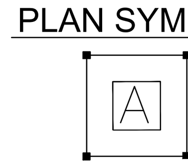


POST INSTALLATION DETAIL



FILTER FABRIC INSTALLATION DETAIL

PLAN SYMBOL



FILTER FABRIC INLET PROTECTION - TYPE A

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SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION THE LANDPLAN GROUP SOUTH, INC. No. 153

State of South Carolina REGISTERED LANDSCAPE ARCHITECT No. 1730 CHARLES W. HOWELL, JR.

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
DETAILS

JOB #: 1256
SCALE: NO SCALE
SHEET: 11.2 OF 16

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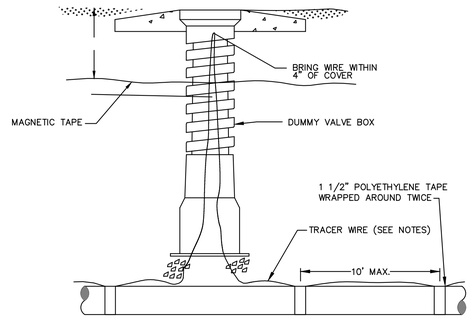
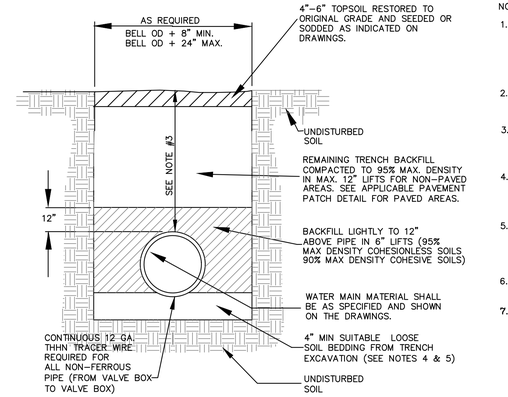


NOTES:
1. OPEN CUT INSTALLATIONS WILL REQUIRE 12 GAUGE COPPER WIRE.
2. TRENCHLESS INSTALLATIONS WILL REQUIRE 10 GAUGE STAINLESS STEEL WIRE.
3. CONTRACTOR SHALL INSTALL DUMMY VALVE BOXES AT INTERVALS NO GREATER THAN 1000 FEET,

TRACER WIRE & MAGNETIC TAPE FOR WATER MAIN

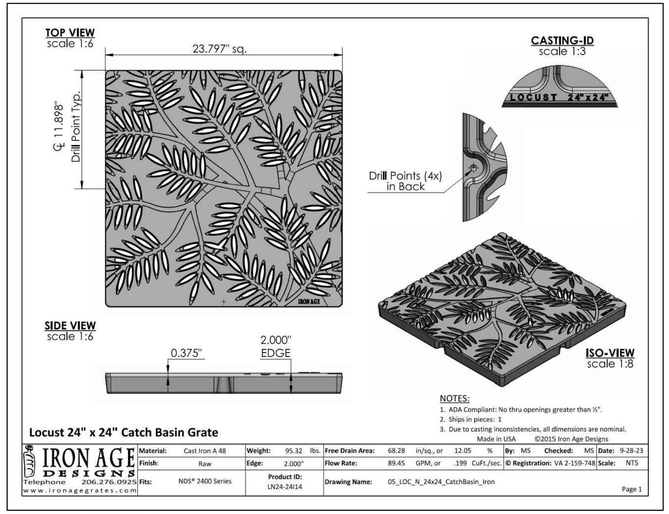
NOT TO SCALE



NOTES:
1. ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION", CHAPTER XVI1 OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES DURING EXCAVATION AND BACKFILLING.
2. CONTRACTOR SHALL USE TRENCH BOX SHORING IN ALL OPEN CUTS IN PAVED AREAS. TRENCH WIDTH SHALL BE MAINTAINED AT THE MINIMUM PRACTICAL WIDTH.
3. TYPE 3 TRENCH CONDITIONS AND A MINIMUM OF 4' OF COVER MUST BE MAINTAINED WHERE RESTRAINT JOINT PIPE IS SPECIFIED AND 3.5' OF COVER IN ALL OTHER LOCATIONS UNLESS SHOWN OTHERWISE ON THE PLAN PROFILE.
4. LOOSE SOIL OR SELECT MATERIAL IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
5. BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS AND TRENCH BOTTOM. BEDDING MATERIAL WILL NOT BE PAID FOR UNLESS SPECIFICALLY APPROVED BY THE PROJECT REPRESENTATIVE AND ONLY FOR THE AUTHORIZED QUANTITY.
6. BEDDING MATERIAL SHALL BE PROPERLY RODDED AND COMPACTED AROUND THE PIPE HAUNCHES.
7. TEST FOR DENSITY OF COMPACTION MAY BE MADE AT THE OPTION OF THE ENGINEER AND DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER MAY HAVE COMPACTION TEST PERFORMED AFTER THE BACKFILL IS COMPLETE. CONTRACTOR SHALL BE REQUIRED TO EXCAVATE TO VARIOUS ELEVATIONS FOR DENSITY TESTING EXCAVATION, BACKFILL AND RECOMPACTION SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER.

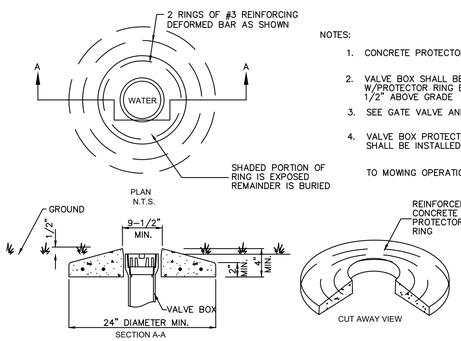
WATER MAIN BEDDING DETAIL

NOT TO SCALE



24"X24" LOCUST CATCH BASIN GRATE

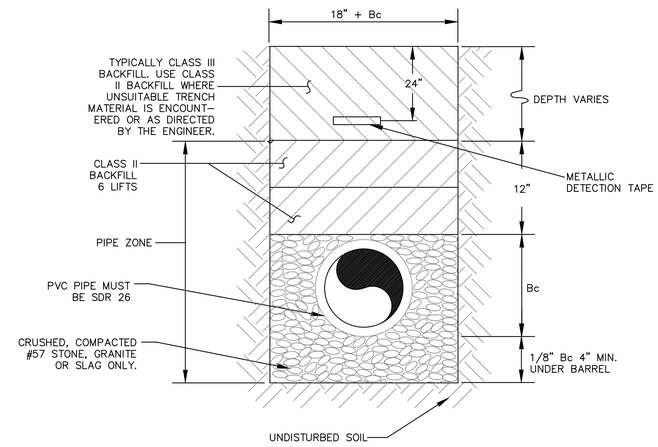
NOT TO SCALE



NOTES:
1. CONCRETE PROTECTOR RING SHALL BE
2. VALVE BOX SHALL BE AT GRADE W/PROTECTOR RING EXTENDING 1/2" ABOVE GRADE
3. SEE GATE VALVE AND BOX DETAIL
4. VALVE BOX PROTECTOR RINGS SHALL BE INSTALLED AROUND VALVE TO MOWING OPERATIONS.

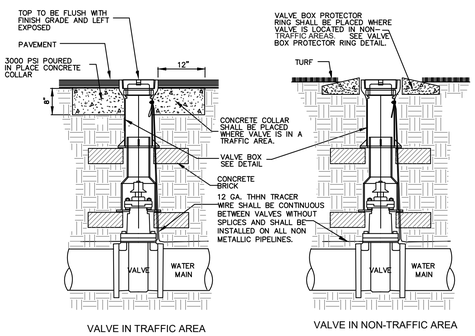
VALVE BOX PROTECTOR RING DETAIL

NOT TO SCALE



BEDDING FOR GRAVITY PVC SEWER SERVICE LINE

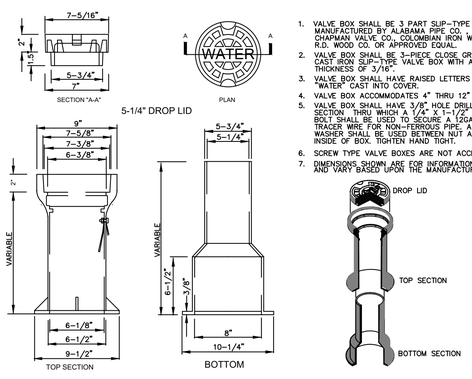
NOT TO SCALE



NOTES:
1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MANNING STANDARDS.
2. RESILIENT WEDGE GATE VALVE SHALL BE AS MANUFACTURED BY MUELLER CORP., AMERICAN DARLING, CLOW CORP., OR APPROVED EQUAL.
3. ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT AND SHALL OPEN COUNTERCLOCKWISE.
4. VALVE BODY, BONNET & GATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A-536.
5. VALVE BODY AND BONNET SHALL BE COATED ON ALL INTERIOR AND EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C-550-90.
6. ALL VALVES 24" AND SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.
7. SEE VALVE BOX DETAIL FOR ADDITIONAL INFORMATION.
8. SEE VALVE BOX PROTECTOR RING DETAIL FOR ADDITIONAL INFORMATION.

GATE VALVE DETAIL

NOT TO SCALE



1. VALVE BOX SHALL BE 3 PART SLIP-TYPE MANUFACTURED BY ALABAMA PIPE CO., CHAPMAN VALVE CO., COLOMBIAN IRON WORKS R.D. WOOD CO. OR APPROVED EQUAL.
2. VALVE BOX SHALL BE 3-PIECE CLOSE GRAINED CAST IRON SLIP-TYPE VALVE BOX WITH A MINIMUM THICKNESS OF 3/16".
3. VALVE BOX SHALL HAVE RAISED LETTERS "WATER" CAST INTO COVER.
4. VALVE BOX ACCOMMODATES 4" THRU 12" VALVES.
5. VALVE BOX SHALL HAVE 3/8" HOLE DRILLED IN TOP SECTION THRU WHICH A 1/4" X 1-1/2" GALVANIZED BOLT SHALL BE USED TO SECURE A 12GA. THHN TRACER WIRE FOR NON-FERROUS PIPE. A 1/2" WASHER SHALL BE USED BETWEEN NUT AND INSIDE OF BOX. TIGHTEN HAND TIGHT.
6. SCREW TYPE VALVE BOXES ARE NOT ACCEPTABLE.
7. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY AND VARY BASED UPON THE MANUFACTURER.

VALVE BOX DETAIL

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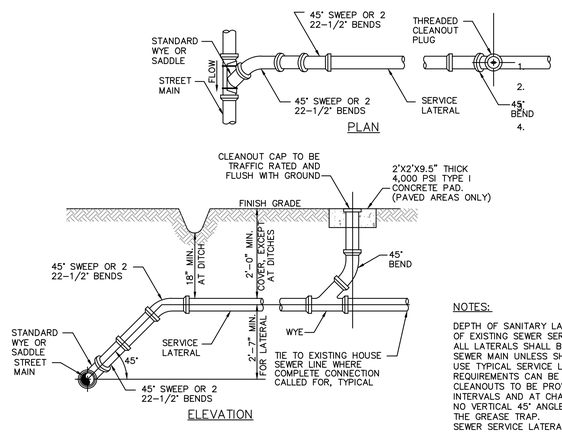

NOTES:
DEPTH OF SANITARY LATERALS TO BE FIELD DETERMINED BASED ON DEPTH OF EXISTING SEWER SERVICE LINE THAT IS BEING TIED INTO.
ALL LATERALS SHALL BE INSTALLED 90° WITH RESPECT TO THE SANITARY SEWER MAIN UNLESS SHOWN OTHERWISE.
USE TYPICAL SERVICE LATERALS WHERE MINIMUM SLOPE AND COVER REQUIREMENTS CAN BE MET.
CLEANOUTS TO BE PROVIDED ON ALL SERVICE LATERALS AT 100' INTERVALS AND AT CHANGES IN DIRECTION.
NO VERTICAL 45° ANGLE DEFLECTION SHALL BE INSTALLED AHEAD OF THE GREASE TRAP.
SEWER SERVICE LATERAL TO BE PVC PIPE UNLESS 2' OF COVER CANNOT BE OBTAINED. DUCTILE IRON PIPE TO BE USED IN AREAS WHERE COVER IS LESS THAN 2'.

TYPICAL SEWER SERVICE LATERAL DETAIL

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SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1750
W. HOWELL

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
DETAILS

JOB #: 1256
SCALE: NO SCALE
SHEET: 11.3 OF 16

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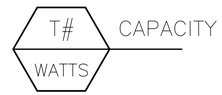
LANDSCAPE LIGHTING GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING A COMPLETE LOW VOLTAGE LED LANDSCAPE LIGHTING SYSTEM. ALL COST FOR COORDINATION, LABOR, AND MATERIALS ASSOCIATED WITH THE INSTALLATION OF THE COMPLETE LANDSCAPE LIGHTING SYSTEM INCLUDING BUT NOT LIMITED TO; LIGHT FIXTURE, TRANSFORMER, ASTRONOMICAL TIMER, CONDUIT, CABLES/WIRES, POWER SUPPLY, REGULATORS, PULL BOXES/HANDHOLES, AND CONTROL CENTERS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE COMPLETE LOW VOLTAGE LED LANDSCAPE LIGHTING SYSTEM.
2. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF WALTERBORO, THE LIGHTING MANUFACTURER, AND THE LOCAL POWER COMPANY.
3. ALL LANDSCAPE LIGHTS TO BE HAVEN LIGHTING 9 SERIES ALUMINUM, CLASSIC WHITE, WITH 8 COLOR TEMPERATURES, 10 LIGHT LEVELS, AND 9 SERIES SMART TRANSFORMER OR APPROVED SUBSTITUTION.
   Haven Lighting
   2691 Circleport Dr, Suite A
   Erlanger, KY 41018
   (513) 655-2468
   https://havenlighting.com/
4. SUGGESTED TO START WITH 3,500K LIGHTING TEMPERATURE FOR ALL LIGHTS. CONTRACTOR TO WORK WITH OWNER TO DIAL IN THE CORRECT COLOR TEMPERATURE AND LIGHT LEVEL PER FIXTURE ZONES.
5. CONTRACTOR TO PROVIDE LANDSCAPE LIGHTING SHOP DRAWINGS PRIOR TO INSTALLATION.
6. TRANSFORMERS MUST CONNECT TO OWNERS WIFI SIGNAL TO CHANGE COLOR TEMPERATURES AND LEVELS.
7. THIS PLAN IS INTENDED FOR LANDSCAPE LIGHTING PURPOSES ONLY. ALL LIGHTING FIXTURES AND TRANSFORMERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE (CURRENT EDITION) AND ALL LOCAL BUILDING SAFETY CODES AND ORDINANCES.
8. ALL EXTERIOR 120-VOLT ELECTRICAL OUTLETS SHALL BE GFCI PROTECTED AS PER NATIONAL ELECTRIC CODE. EACH OUTLET MUST HAVE A COMMERCIAL GRADE IN USE WEATHERPROOF COVER.
9. TRANSFORMER/S SHALL BE SIZED ACCORDING TO MANUFACTURER RECOMMENDATIONS. AT FULL CAPACITY, EACH TRANSFORMER SHALL HAVE A MINIMUM OF 15% WATTAGE REMAINING IN EXCESS.
10. TRANSFORMER/S TO HAVE BUILT IN ASTRONOMICAL TIMER INSTALLED, SET TO RUN FROM DAWN TO DUSK, OR SPECIFIED FROM THE OWNER.
11. TRANSFORMER/S THAT ARE PLUG IN SHALL HAVE A DRIP LOOP IN THE POWER CORD.
12. ALL WIRE(S) INSIDE MASONRY AND CARPENTRY SHALL BE INSTALLED INSIDE A MINIMUM OF $\frac{3}{4}$" CONDUIT WITH SWEEP ELBOWS.
13. UPLIGHT FIXTURES ARE SHOWN IN APPROXIMATE LOCATION. THE CONTRACTOR SHALL FIELD VERIFY THE ACTUAL PLACEMENT OF EACH FIXTURE UPON COMPLETION OF LANDSCAPE INSTALLATION.
14. ALL HUBS SHALL BE LABELED AND INSTALLED PRIMARILY IN PLANTER AREAS 2" ABOVE FINISHED GRADE; OR IN A READILY ACCESSIBLE AREA THAT DOES NOT OBSTRUCT PATHWAYS, DRAINAGE SWALES, OR COMMON AREAS.
15. ALL HOME RUN WIRE SHALL BE LABELED AND INSTALLED AT A MINIMUM DEPTH OF 6" PER ELECTRICAL CODE. ALL FIXTURE LEAD WIRES SHALL BE INSTALLED A MINIMUM DEPTH OF 6" PER ELECTRICAL CODE.
16. IN ORDER TO MINIMIZE FUTURE DISTURBANCE, ALL WIRE RUNS SHALL BE INSTALLED PARALLEL AND ADJACENT TO HARD SURFACES SUCH AS SIDEWALKS, DRIVEWAYS, AND WALLS.
17. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SLEEVES UNDER ALL HARDSCAPE SURFACES, USING A MINIMUM 1-INCH PVC PIPE AT A MINIMUM DEPTH OF 6" BELOW HARDSCAPE SURFACES.
18. CONTRACTOR SHALL NOT CUT THE WIRE LEADS FROM THE FIXTURES. LEAVE EXCESS WIRE TO ALLOW FOR FLEXIBILITY IN FINAL PLACEMENT OF THE FIXTURE.
19. ALL UNDERGROUND SPLICES SHALL BE UL-486 RATED AND INSTALLED IN APPROVED IN-GROUND J-BOXES/HUBS WITH WATER-TIGHT CONNECTIONS LEAVING 12 INCHES OF EXCESS WIRE SLACK.
20. ALL EXPOSED CONDUITS SHALL BE PAINTED TO MATCH SURROUNDINGS.
21. ALL WIRE SHALL CONFORM TO ASTM B-49 AND B-115 STANDARDS: 99% PURE PVC PLASTIC MIXED WITH THE LATEST IN UV INHIBITORS, 99.5% PURE COPPER.
22. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE FIXTURES AT NIGHT TO HELP ELIMINATE GLARE AND TO ENSURE OPTIMUM LIGHTING EFFECT.
23. CONTRACTOR TO PROGRAM LIGHTING SYSTEM BASED ON THE ZONES PROVIDED ON THE LANDSCAPE LIGHTING PLAN. ADJUSTMENTS ARE TO BE MADE WITH THE CONTRACTOR, ARCHITECT, AND OWNER PRESENT TO SELECT FINAL KELVIN COLOR AND BRIGHTNESS LEVELS PER ZONE.
24. CONTRACTOR TO WALK OWNER THROUGH OPERATION OF TRANSFORMER AND APP CONTROL FOR COMPLETED LIGHTING SYSTEM.
25. CONTRACTOR TO CENTER FEED THE SYSTEM WHEN AT ALL POSSIBLE AND VERIFY ALL WIRE CONNECTIONS ARE AT THE FIXTURES.
26. ALL WIRE CONNECTIONS AT FIXTURES SHALL BE MADE USING WATER TIGHT CONNECTIONS.

FIXTURE GROUPING KEY:

TRANSFORMER KEY:



LIGHTING SCHEDULE

SYMBOL	DESCRIPTION/ MANUFACTURER	QTY
DIRCTIONAL UP LIGHT		
	HAVEN LIGHTING 9 SERIES CLASSIC WHITE 3-INCH ALUMINUM LED UP LIGHT - 6W, 45° LENS FIXTURE COLOR: BLACK	27
WELL LIGHT		
	HAVEN LIGHTING 9 SERIES CLASSIC WHITE ALUMINUM WELL LIGHT - 6W, 45° LENS FIXTURE COLOR: BLACK LIGHT TO BE INSTALLED IN PORCH DECKING.	6
TRANSFORMER/ POWER		
T	HAVEN LIGHTING 9 SERIES SMART TRANSFORMER - 300WATT, 120V	1
E	120 VOLT ELECTRICAL OUTLET FOR TRANSFORMER WITH IN USE COVER	1

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SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1730
CHARLES W. HOWELL III

WALTERBORO FOUNTAIN RENOVATIONS
WALTERBOR, SOUTHCAROLINA
CONSTRUCTION DRAWINGS
DETAILS

JOB #: 1256
SCALE: NO SCALE
SHEET: 11.4 OF 16

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PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	SPACING
A	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEETGUM	7	2" CAL.	AS SHOWN
B	SABAL PALMETTO	SABAL PLAMETTO	3	10' HT.	AS SHOWN
C	BUXUS X 'GREEN VELVET'	GREEN VELVET BOXWOOD	13	3 GAL.	AS SHOWN
D	HYDRANGEA MACROPHYLLA X SERRATA 'LET'S DANCE'	LET'S DANCE SKY VIEW HYDRANGEA	20	3 GAL.	AS SHOWN
E	EUONYMUS JAPONICUS 'MICROPHYLLUS'	BOXLEAF EUONYMUS	76	3 GAL.	AS SHOWN
F	AGAPANTHUS AFRICANUS 'PETER PAN'	PETER PAN AGAPANTHUS	153	1 GAL.	12" O.C.
G	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LIRIOPE	261	1 GAL.	18" O.C.
H	TRACHELOSPERMUM JASMINOIDES	CONFEDERATE JASMINE	5	1 GAL.	AS SHOWN
	DOUBLE HAMMERED HARDWOOD MULCH	DOUBLE HAMMERED HARDWOOD MULCH	3" MIN. DEPTH		

IRRIGATION LEGEND

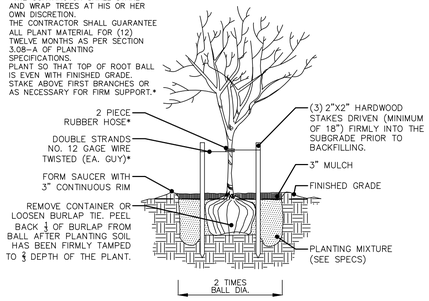
SYMBOL	DESCRIPTION
	RAIN BIRD INLINE DRIP TUBING ON 18" SPACING
	1" RAIN BIRD XCZ-LC DRIP ASSEMBLY
	RAIN BIRD 100-PGA ELECTRIC VALVES
	RAIN BIRD ESP-MODULAR CONTROLLER
	1" WILKINS WK350 BACKFLOW PREVENTER
	1" BRONZE BALL VALVE
	1" METER
	4" PVC SLEEVING
	PVC LATERAL PIPING
	1½" PVC MAINLINE PIPING

NOTES: SYSTEM BASED ON 20-25 GPM.

IRRIGATION PLAN IS CONCEPTUAL IN NATURE. CONTRACTOR TO ADJUST IN FIELD BASED ON ACTUAL GPM ACHIEVED.

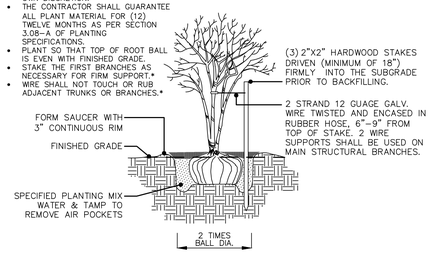
IRRIGATION INSTALLER TO OBTAIN APPROVAL FROM CITY FOR FINAL CONTROLLER LOCATION PRIOR TO INSTALL.

NOTE:
- *THE CONTRACTOR SHALL STAKE AND WRAP TREES AT HIS OR HER OWN DISCRETION.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR (12) TWELVE MONTHS AS PER SECTION 3.08-A OF PLANTING SPECIFICATIONS.
- PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH FINISHED GRADE.
- STAKE ABOVE FIRST BRANCHES OR AS NECESSARY FOR FIRM SUPPORT.*

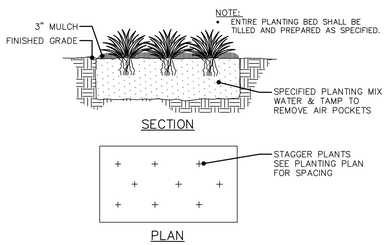


LARGE TREE PLANTING & STAKING DETAIL
not to scale

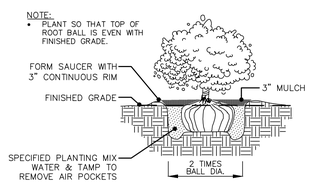
NOTE:
- *THE CONTRACTOR SHALL STAKE AND WRAP TREES AT HIS OR HER OWN DISCRETION.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR (12) TWELVE MONTHS AS PER SECTION 3.08-A OF PLANTING SPECIFICATIONS.
- PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH FINISHED GRADE.
- STAKE THE FIRST BRANCHES AS NECESSARY FOR FIRM SUPPORT.*
- WIRE SHALL NOT TOUCH OR RUB ADJACENT TRUNKS OR BRANCHES.*



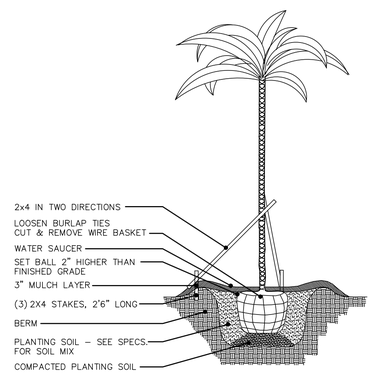
SMALL & MULTI-TRUNK TREE PLANTING & STAKING DETAIL
not to scale



PLANTING BED DETAIL
not to scale



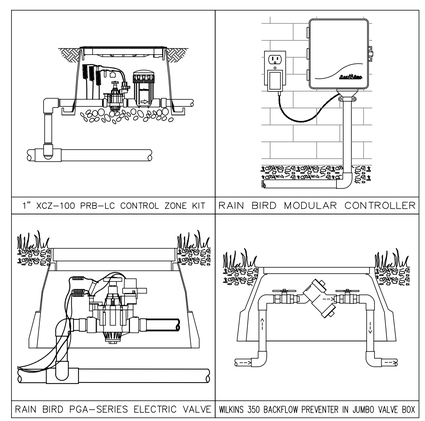
SHRUB PLANTING DETAIL
not to scale



PALMETTO TREE PLANTING DETAIL
not to scale

VALVE SCHEDULE

VALVE #	GPM	SIZE	HEAD TYPE
V1	---	1"	DRIP
V2	---	1"	DRIP



@ PLANT KEY
# QUANTITY

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 1-800-922-0983
UNDERGROUND LOCATORS.
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

GENERAL NOTES:
- QUANTITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HIS OR HER OWN QUANTITIES. IF THERE IS A CONFLICT BETWEEN QUANTITIES AND SPACING, SPACING SHALL PREVAIL.
- ALL AREAS NOT COVERED BY CONSTRUCTION OR PLANT BED AREAS, SHALL BE PLACED IN TURF. ALL R.O.W. AREAS BETWEEN PLANT BEDS AND EDGE OF PAVEMENT SHALL BE PLACED IN TURF.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSEES FROM THE PROPER AUTHORITIES BEFORE BEGINNING ANY WORK WITHIN THE R.O.W. OR OFF SITE.
- ALL NEW PLANTINGS ARE TO BE MECHANICALLY IRRIGATED.

THE LANDPLAN GROUP SOUTH
LANDSCAPE ARCHITECTURE • ENGINEERING • PLANNING
1206 SCOTT STREET
COLUMBIA, SC 29201
803.256.0562
WWW.LANDPLANSOUTH.COM

REVISION	BY	APPD.	MM.DD.YY

FILE NAME: 1256-Base 070120.26 | OES DWN. | CWH CHKD. | OES DSGN. | 07.03.26 MM.DD.YY

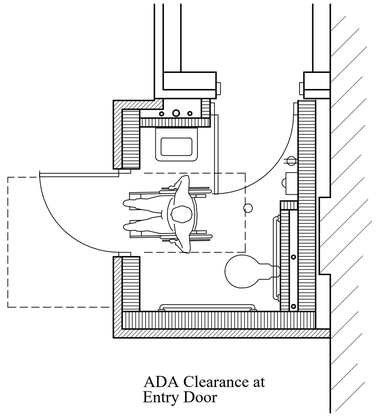
SOUTH CAROLINA
THE LANDPLAN GROUP SOUTH, INC.
No. 153
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1730
W. HOWELL

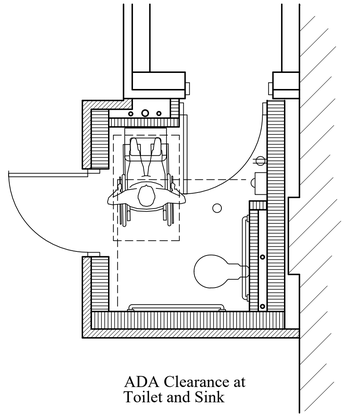
WALTERBORO FOUNTAIN RENOVATIONS
WALTERBORO, SOUTH CAROLINA
CONSTRUCTION DRAWINGS
DETAILS

JOB #: 1256
SCALE: NO SCALE
SHEET: 11.5 OF 16

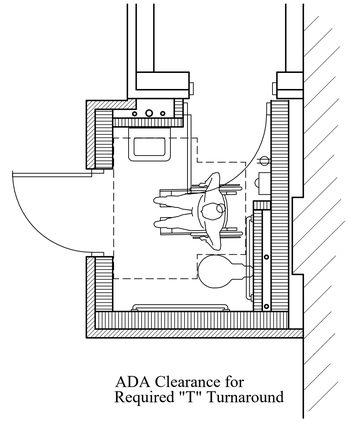
S:\Drawings\12009\1256-Walterboro Fountain Renovation\Drawings\1256-Base 070120.26.dwg



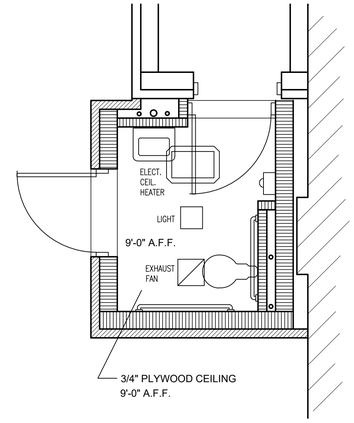
ADA Clearance at
Entry Door



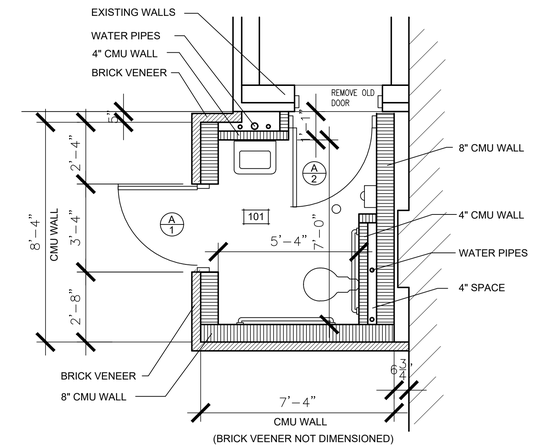
ADA Clearance at
Toilet and Sink



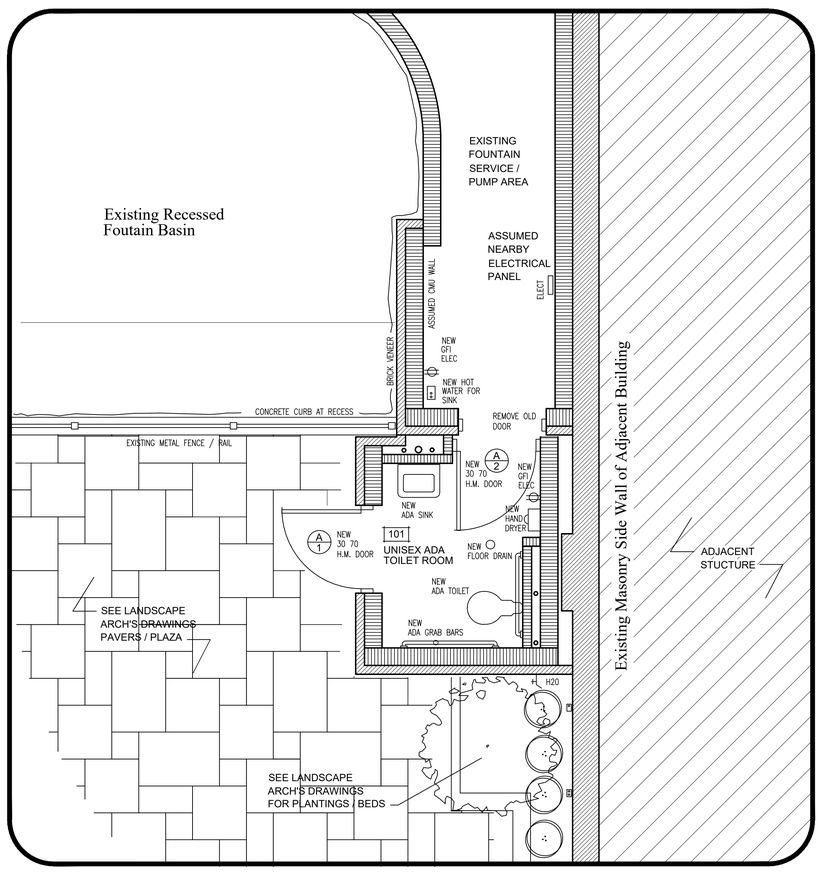
ADA Clearance for
Required "T" Turnaround



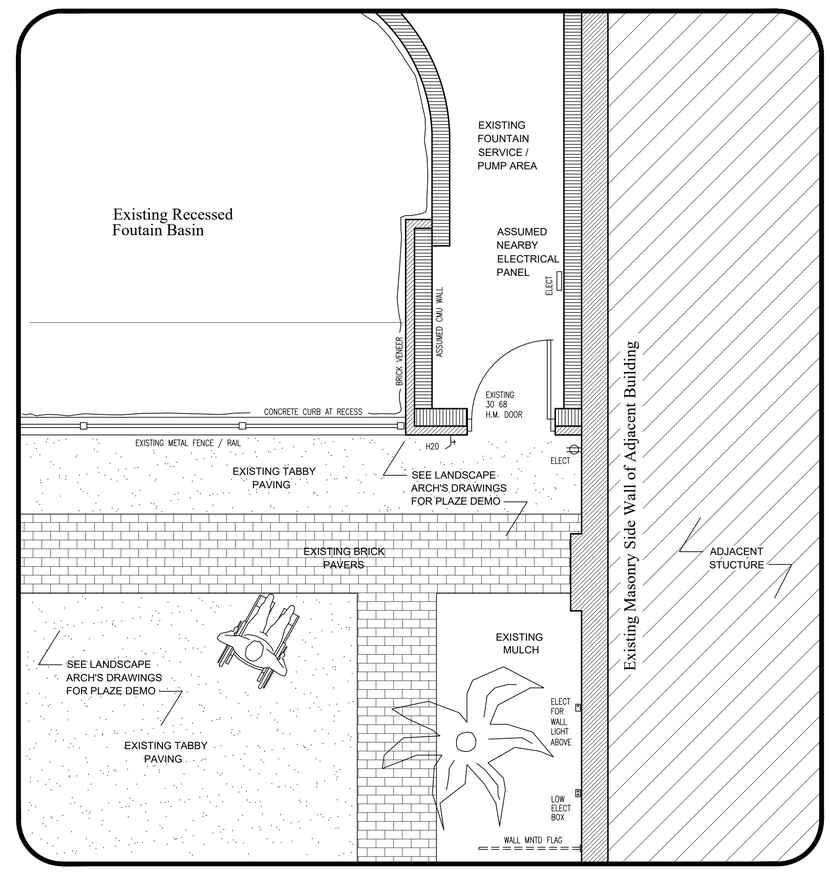
4 A1.1 Ceiling Plan
Scale: 3/8" = 1'-0"



3 A1.1 Dimensioned Plan
Scale: 3/8" = 1'-0"



2 A1.1 Proposed Restroom Plan
Scale: 3/8" = 1'-0"
North



1 A1.1 Existing Area Plan
Scale: 3/8" = 1'-0"
North

RS Bell
ARCHITECTS
LLC
134 N. Main Street
Sumter, South Carolina
803 774-3025

Date:
January 5, 2026

STATE OF SOUTH CAROLINA
RS Bell
Architects, LLC
Sumter, S.C.
100266
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
Ronald
Scott Bell
5044
REGISTERED ARCHITECT

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

Floor Plans

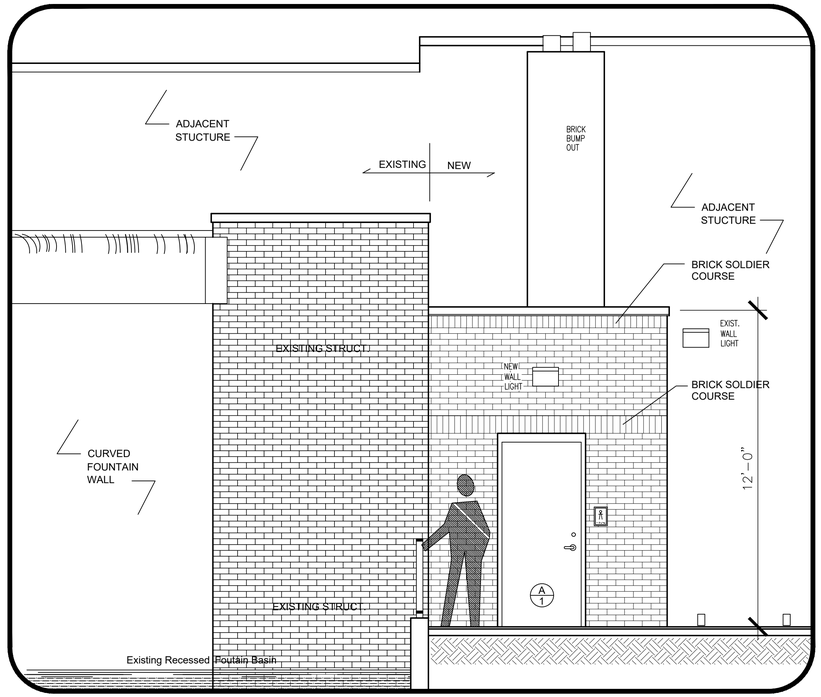
Scale:
3/8" = 1'-0"

Project No. : 26-001
File No. : 68-979904

Revisions:

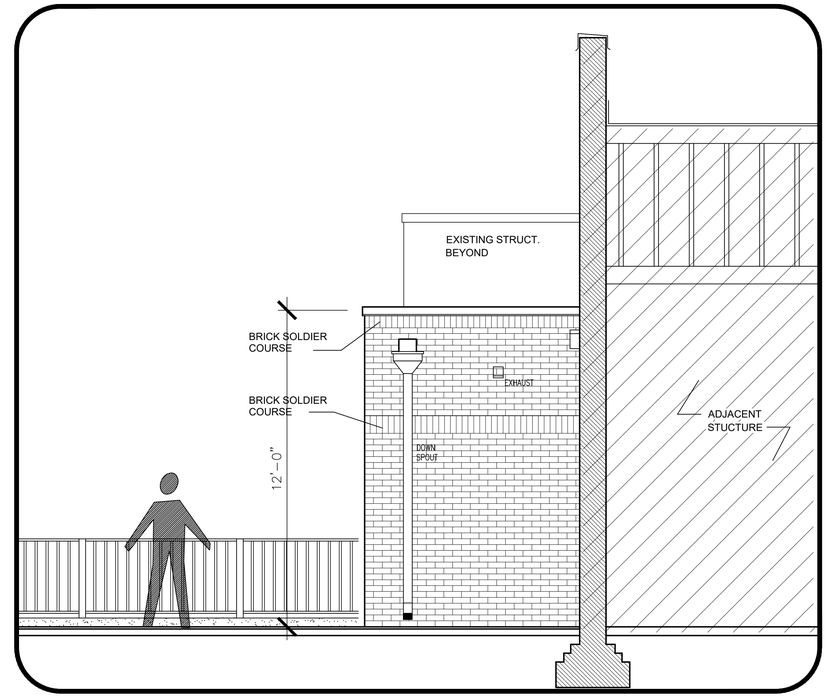
0 2 4 6
GRAPHIC SCALE: 3/8" = 1'-0"

Sheet:
A 1.1



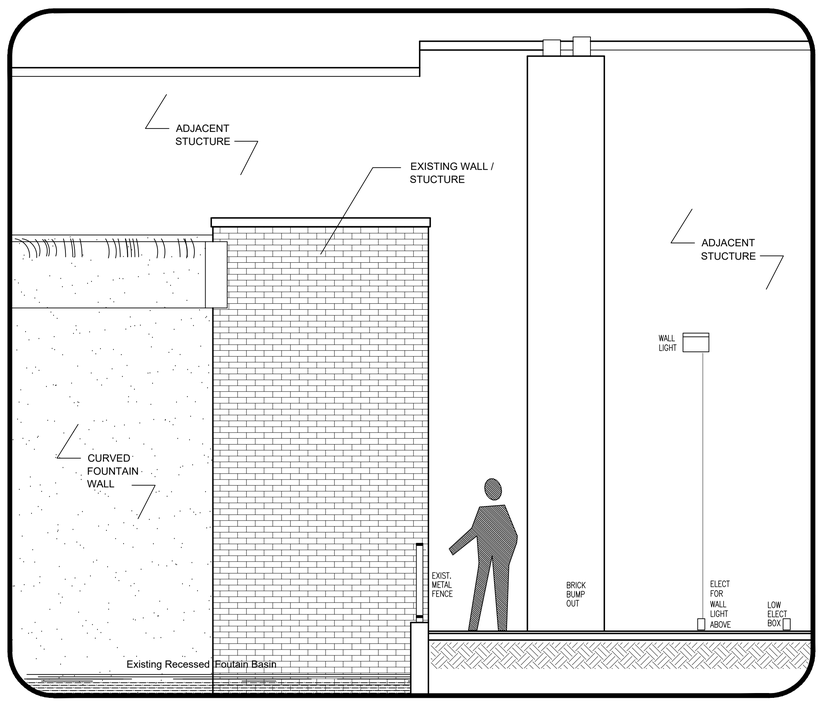
4 A1.2 Proposed West Elevation

Scale: 3/8" = 1'-0"



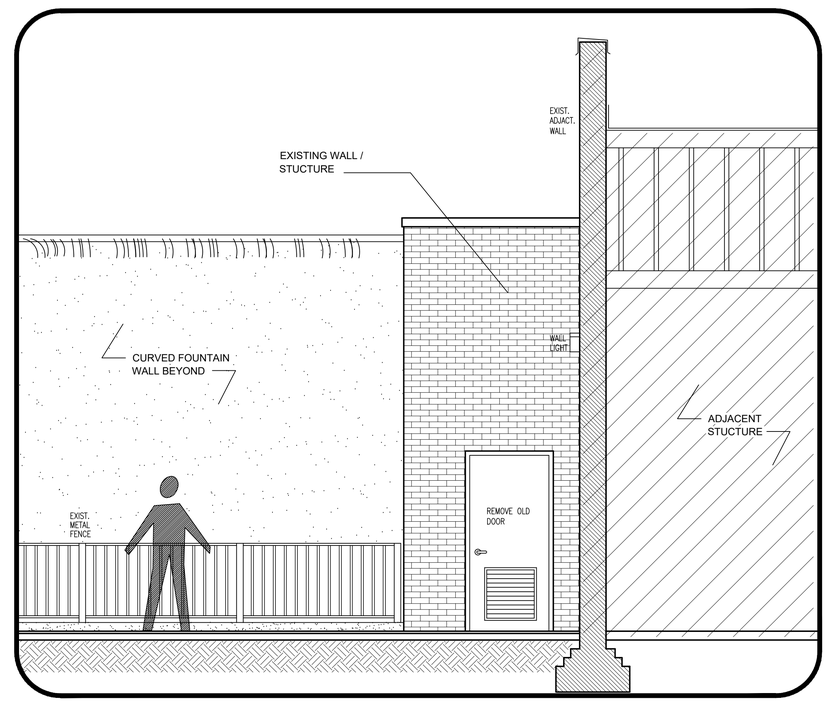
2 A1.2 Proposed South Elevation

Scale: 3/8" = 1'-0"



3 A1.2 Existing West Elevation

Scale: 3/8" = 1'-0"



1 A1.2 Existing South Elevation

Scale: 3/8" = 1'-0"

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Sumter, South Carolina
803 774-3025

Date:
January 5, 2026

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STATE OF SOUTH CAROLINA
Ronald
Scott Bell
5044
REGISTERED ARCHITECT

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

Building Elevations

Scale:
3/8" = 1'-0"

Project No. : 26-001
File No. : 68-979904

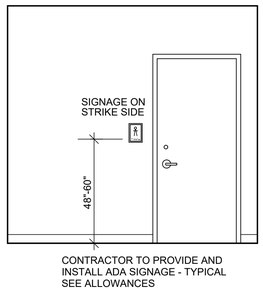
Revisions:

0 2 4 6
GRAPHIC SCALE: 3/8" = 1'-0"

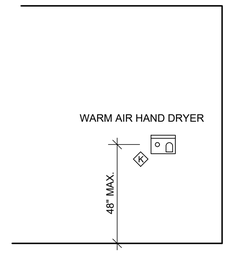
Sheet:
A 1.2

FINISH SCHEDULE

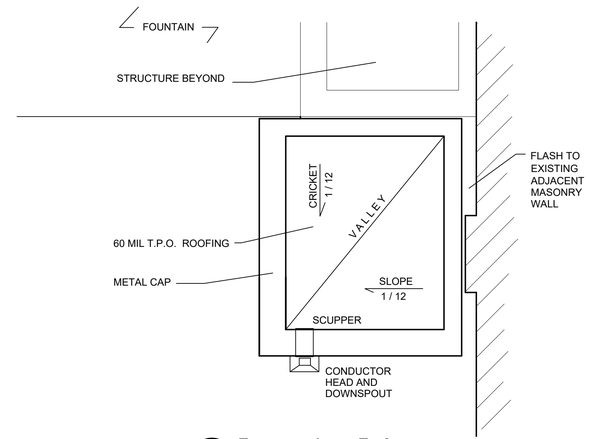
SPACE #	DESCRIPTION	FLOOR	BASE	WALLS	CEILING	TRIM
101	UNISEX ADA TOILET RM	SEALED CONCRETE	NONE - PAINTED CMU	PAINTED CMU	PAINTED PLYWOOD	PTD. 1 X 4 CROWN



6 A1.3 Typical ADA Door Signage
Scale: 3/8" = 1'-0"



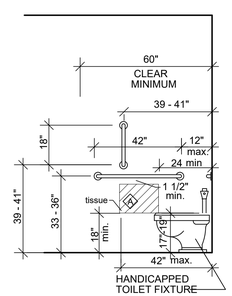
5 A1.3 Typical Dryer
Scale: 3/8" = 1'-0"



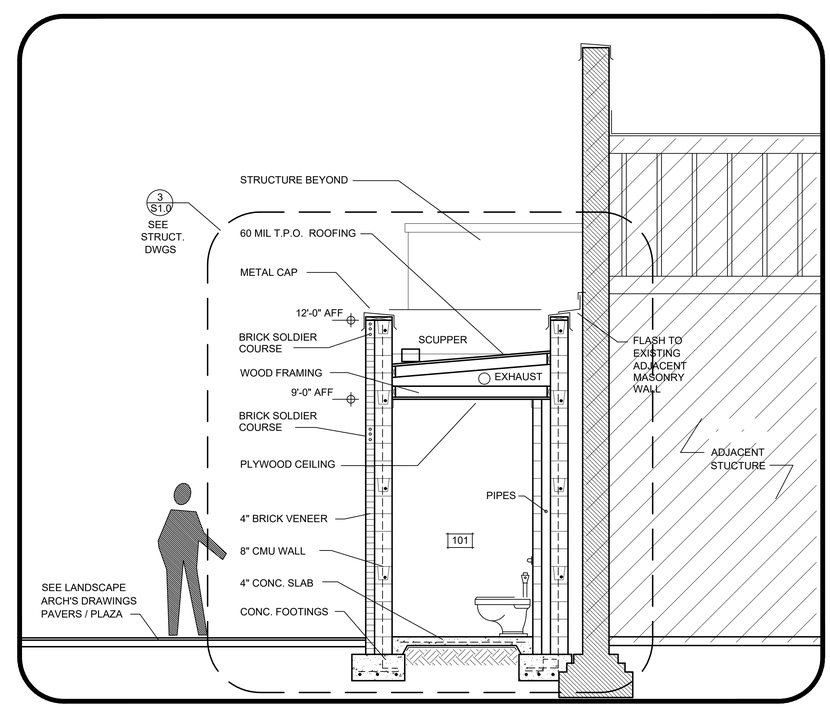
2 A1.3 Roof Plan
Scale: 3/8" = 1'-0"

ADA FIXTURE MOUNTING HEIGHTS

HANIDICAPPED LAVATORIES (MEASURED FROM FLOOR TO RIM)	34" MAX.
HANDICAPPED WATER CLOSETS (MEASURED FROM FLOOR TO TOP OF SEAT)	17" TO 19"
HANDICAPED GRAB BARS (MEASURED FROM FLOOR TO CENTERLINE OF BAR)	33" - 36"
HANDICAPPED PAPER TOWEL DISPENSERS (MEASURED FROM FLOOR TO TOWEL SLOT)	48" MAX
HANDICAPPED TOILET TISSUE DISPENSER (MEASURED FROM FLOOR TO CENTERLINE OF ROLL)	14" - 19"
HANDICAPPED SOAP DISPENSER (MEASURED FROM FLOOR TO CENTER OF BUTTON)	48" MAX
HANDICAPPED MIRRORS (MEASURED FROM FLOOR TO BOTTOM OF MIRROR)	40" MAX
ALSO SEE ADJACENT / TYPICAL DIAGRAMS	



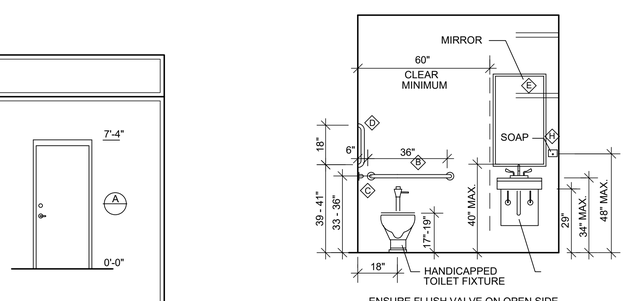
4 A1.3 Typical ADA
Scale: 3/8" = 1'-0"



1 A1.3 Building Section
Scale: 3/8" = 1'-0"

DOOR SCHEDULE

MARK	A
SIZE	7'-0" x 3'-0" x 1 3/4"
TYPE	16 GAGE INSULATED METAL DOOR - SINGLE DOOR - SINGLE SWING
MFG.	STEELCRAFT OR APPROVED EQUAL
FRAME	16 GAGE HOLLOW METAL FRAME
MFG.	STEELCRAFT OR APPROVED EQUAL
RATING	NONE
LITE	NONE
NOTES	TO BE INSTALLED IN A CMU WALL SYSTEM 4" HEAD FOR MASONRY COURSING
HARDWARE	HD HINGES, SILENCERS, CLOSER, LEVER LOCKSET, DEADBOLT, KICKPLATE



ENSURE FLUSH VALVE ON OPEN SIDE

3 A1.3 Typical ADA Toilet Room
Scale: 3/8" = 1'-0"

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Sumter, South Carolina
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Date:
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Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

Building Section

Scale:
3/8" = 1'-0"

Project No. : 26-001
File No. : 68-979904

Revisions:

0 2 4 6
GRAPHIC SCALE: 3/8" = 1'-0"

Sheet:
A 1.3

AB	ANCHOR BOLT
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT
B/	BOTTOM OF
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BLK	BLOCK(ING)
BTWN	BETWEEN
CANT	CANTILEVER
C/C	CENTER TO CENTER
CHAM	CHAMFER
CIRC	CIRCULAR
CJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTRD	CENTERED
D	DEPTH
DBE	DECK BEARING ELEVATION
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWGS	DRAWINGS
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENGR	ENGINEER
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE
EW	EACH WAY
EXP	EXPANSION
EXIST	EXISTING
EXT	EXTERIOR
FC	FILLED CELL
FF	FINISHED FLOOR
FIN	FINISH
FLR	FLOOR
FDN	FOUNDATION
FRMG	FRAMING
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GALV	GALVANIZED
GA	GAUGE
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INCL	INCLUDE, ING
INT	INTERIOR
JBE	JOIST BEARING ELEVATION
LB	POUND
LG	LONG
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LSL	LONG SLOTTED HOLES
LT	LIGHT
LTWT	LIGHTWEIGHT
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MASONRY JOINT
MO	MASONRY OPENING
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OW	OPEN WEB
PAF	POWDER ACTUATED FASTENER
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCEMENT
RET	RETURN
REV	REVISION
RP	RADIUS POINT
RT	RIGHT
RTU	ROOF TOP UNIT
S	SOUTH
SA	SLEEVE ANCHOR
SB	SLAB BOLSTER
SCHED	SCHEDULE
SECT	SECTION
SF-	STEP FOOTING
SIM	SIMILAR
SPEC	SPECIFICATIONS
SP	SPACING.ES
SQ	SQUARE
SSL	SHORT SLOTTED HOLES
SS	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENERS
STL	STEEL
SYMM	SYMMETRICAL
T/	TOP OF
TB	TIE BEAM
TC	TIE COLUMN
TCX	TOP CHORD EXTENSION
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
TRAN	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT
WWM	WELDED WIRE MESH

STRUCTURAL DESIGN CRITERIA:

APPLICABLE BUILDING CODES:
- A. 2021 SOUTH CAROLINA BUILDING CODE
- B. ASCE STANDARD: ASCE 7-16

PROJECT LOCATION: WALTERBORO, SOUTH CAROLINA

DESIGN LOADS:
- A. ROOF LIVE LOADS — 20 PSF
- B. SNOW LOADS
  - a. GROUND SNOW LOAD, P_g: — 5 PSF
  - b. FLAT ROOF SNOW LOAD, P_f: — 5 PSF
  - c. SNOW EXPOSURE FACTOR, C_s — 1.0
  - d. THERMAL FACTOR, C_t: — 1.0
  - e. SNOW IMPORTANCE FACTOR, I_s — 1.0
- C. WIND LOADS
  - a. ULTIMATE DESIGN WIND SPEED V_{ult}: — 134 MPH
  - b. NOMINAL WIND SPEED V_{asd}: — 104 MPH
  - c. RISK CATEGORY: — II
  - d. WIND EXPOSURE CATEGORY: — B
  - e. INTERNAL PRESSURE COEFFICIENT: — ±0.18
  - f. COMPONENT AND CLADDING: ALL BUILDING COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR WIND LOADS DETERMINED BY THE APPLICABLE BUILDING CODES AND WIND DESIGN CRITERIA INDICATED ABOVE.
- D. SEISMIC LOADS
  - a. SEISMIC IMPORTANCE FACTOR: — 1.0
  - b. RISK CATEGORY: — II
  - c. S_{ds}: — 0.799g
  - d. S_{f1}: — 0.24g
  - e. SITE CLASS: — D
  - f. S_{ms}: — 0.639
  - g. S_{d1}: — 0.2g
  - h. SEISMIC DESIGN CATEGORY: — D
  - i. SEISMIC RESISTING SYSTEM: — SPECIAL REINFORCED MASONRY SHEARWALLS
  - j. Cs VALUE: — 0.11
  - k. R VALUE: — 5
  - l. ANALYSIS PROCEDURE USED: — EQUIVALENT LATERAL FORCE METHOD

Wall Component & Cladding Pressures

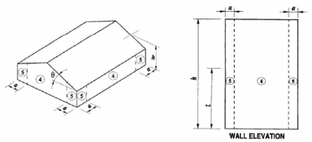
	p = Net Design Pressures (psf)			
	Zone 4 (+)	Zone 4 (-)	Zone 5 (+)	Zone 5 (-)
10	29.56	-32.03	29.56	-39.42
20	28.25	-30.72	28.25	-36.80
50	26.52	-28.99	26.52	-33.34
100	25.21	-27.68	25.21	-30.72

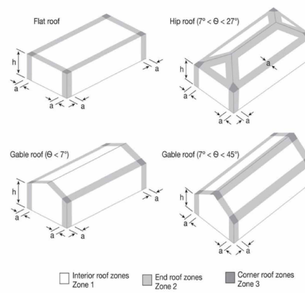
a (width) 3.00

Roof Component & Cladding Pressures

	p = Net Design Pressures (psf)			
	Zone 1,2,3 (+	Zone 1 (-)	Zone 2 (-)	Zone 3 (-)
10	16.00	-32.30	-54.20	-81.57
20	16.00	-31.48	-48.43	-67.57
50	16.00	-30.39	-40.81	-49.05
100	16.00	-29.56	-35.04	-35.04

a (width) 3.00





GENERAL NOTES:

- THE CONTRACTOR SHALL REVIEW AND BE THOROUGHLY FAMILIAR WITH THESE STRUCTURAL DRAWINGS. PLEASE NOTIFY PROJECT ENGINEER IN WRITING WITH ANY QUESTIONS/CLARIFICATIONS NECESSARY TO CONTINUE CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE STRUCTURAL DRAWINGS WITHOUT OBTAINING WRITTEN PERMISSION FROM THE PROJECT ENGINEER. ANY QUESTIONS RELATING TO THESE STRUCTURAL DRAWINGS MAY BE DIRECTED TO:

  RIVAL ENGINEERING, LLC
  466 N GUIGNARD DR.
  SUMTER, SC 29151
  TEL: (803) 883-0079

1. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED. ALL DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS INDICATED.
2. THE STRUCTURAL DESIGN TAKES INTO CONSIDERATION ALL GRAVITY AND LATERAL LOADS IMPOSED ON STRUCTURE. THE PROJECT ENGINEER RESERVES THE RIGHT TO MODIFY THE LOADS AS NEEDED DURING THE SHOP DRAWING REVIEW PROCESS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL NON-STRUCTURAL ELEMENTS INCLUDING BUT NOT LIMITED TO: FLOOR AND WALL FINISHES, FIXTURES, DOOR AND WINDOW SIZES AND STYLES..
4. THESE DRAWINGS ARE BASED ON THE LATEST DIMENSIONS PROVIDED BY THE ARCHITECT/PLAN DESIGNER. SOME DIMENSIONS MAY BE TAKEN FROM AN ELECTRONIC FILE PROVIDED BY THE ARCHITECT/PLAN DESIGNER. THE CONTRACTOR SHALL USE DIMENSIONS PROVIDED ON ARCHITECTURAL DRAWINGS.
5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL CONTRACT DRAWINGS, AND ASSOCIATED SHOP DRAWING SUBMITTALS.
6. IN CASE OF CONFLICT BETWEEN VARIOUS STRUCTURAL DRAWINGS, STRUCTURAL PLANS AND DETAILS, NOTES, AND SPECIFICATIONS; THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
7. THESE DRAWINGS SHALL NOT BE REUSED, ALTERED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF RIVAL ENGINEERING.
8. CONTRACTOR MINIMUM RESPONSIBILITIES:
   - A. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY UNUSUAL AND/OR EXCESSIVE LOADS NOT SHOWN ON THE DESIGN DRAWINGS.
   - B. THE CONTRACTOR SHALL MAINTAIN ADEQUATE QUALITY CONTROL OVER ALL HIS WORK AND ANY WORK BY SUBCONTRACTORS UNDER HIS SUPERVISION.
   - C. THE CONTRACTOR SHALL VERIFY FIELD DIMENSIONS AND SITE CONDITIONS AND NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN WRITING.
   - D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL TEMPORARY BRACING AND SHORING DURING ALL PHASES OF CONSTRUCTION.
   - E. THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES, UTILITY LINES, ETC. FROM DAMAGE DURING CONSTRUCTION.
9. SHOP DRAWING SUBMITTALS
   - A. SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED TO RIVAL ENGINEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THESE SUBMITTALS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT, VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS OR FOR ACTUAL FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF RIVAL ENGINEERING.
   - B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GATHERING AND SUBMITTING ALL RELEVANT SHOP DRAWINGS FOR REVIEW TO THE A/E PRIOR TO CONSTRUCTION/ERECTION.
   - C. THE A/E'S REVIEW OF SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF HIS RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, DETAILS, ETC SHOWN ON THE SHOP DRAWINGS.
   - D. ALLOW THE PROJECT ENGINEER AMPLE TIME TO REVIEW THE SHOP DRAWINGS, INCLUDING TIME FOR RE-SUBMITTALS. TIME FOR REVIEW SHALL COMMENCE ON RIVAL ENGINEERING'S RECEIPT OF SUBMITTAL. ALLOW 15 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL AND 15 DAYS FOR EACH RE-SUBMITTAL.
   - E. HIGHLIGHT, ENCIRCLE OR OTHERWISE SPECIFICALLY IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS.
10. ALL CONSTRUCTION MATERIALS AND INSTALLATION OF SAID MATERIALS SHALL CONFORM TO PROJECT SPECIFICATIONS.

GEOTECHNICAL:

1. THESE DESIGNS ARE BASED ON THE FOLLOWING SOIL ASSUMED PROPERTIES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, OWNER OR OWNER'S AGENT TO CONTACT RIVAL ENGINEERING IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR, OWNER OR OWNER'S AGENT TO VERIFY THE FOLLOWING SOIL PROPERTIES:
   - A. ALLOWABLE SOIL BEARING CAPACITY — **1500 PSF**
   - B. SUBGRADE MODULUS (K) — 130 PCI
   - C. ULTIMATE FRICTION COEFFICIENT B/T CONCRETE FOUNDATION AND SOIL — 0.35
   - D. UNIT WEIGHT OF SOIL — 115 PCF
   - E. ACTIVE LATERAL EARTH PRESSURE, KA — 45 PSF/FT
   - F. PASSIVE LATERAL EARTH PRESSURE, KP — 270 PSF/FT
2. THE AREA WITHIN THE FOUNDATION WALLS SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED.FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB. FILL DEPTHS OVER 24" FOR CLEAN SAND OR GRAVEL OR 12" FOR EARTH SHALL BE APPROVED BY BUILDING OFFICIAL.BACKFILL AND FILL MATERIAL SHALL BE PLACED IN THIN SUCCESSIVE LAYERS, 8 " LOOSE MEASUREMENT FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4 " LOOSE MEASUREMENT FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS. COMPACT EACH LAYER TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY ACCORDING TO ASTM D698, UNLESS A HIGHER PERCENTAGE IS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. UNDER SLAB ON GRADE LOCATIONS AND STEPS, TOP 12 " OF FILL MATERIAL SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DRY DENSITY PER ASTM D698.
3. THE TOP OF ALL SPREAD FOOTINGS SHALL BE A MINIMUM OF 8" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER FORMING OF FOOTINGS AND FOUNDATION WALLS.
5. ALL TRENCHES SHALL BE DEWATERED PRIOR TO PLACING CONCRETE.

CONCRETE:

1. ALL STRUCTURAL CONCRETE AND REINFORCING SHALL CONFORM TO THE STANDARDS SET FORTH BY THE LATEST EDITION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. "
2. STEEL REINFORCEMENT SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   - A. REINFORCING BARS — ASTM A615, GRADE 60, DEFORMED
   - B. PLAIN STEEL WIRE — ASTM A82, AS DRAWN
   - C. EPOXY COATED BARS — ASTM A775
   - D. PLAIN-STEEL WELDED WIRE REINF. — ASTM A185, FABRICATED FROM AS-DRAWING STEEL WIRE INTO FLAT SHEETS
   - E. DEFORMED-STEEL WWF — ASTM A497, FLAT SHEET
3. CONCRETE SHALL HAVE A UNIT WEIGHT OF 145 PCF. CONCRETE MATERIALS SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   - A. PORTLAND CEMENT — ASTMC150, TYPE I OR TYPE II
     - a. FLY ASH — ASTM C618, CLASS F
   - B. BLENDED HYDRAULIC CEMENT — ASTM C595, TYPE I (PM)
   - C. NORMAL WEIGHT AGGREGATE — ASTM C33, GRADED, 1-1/2 " NOMINAL MAX AGG SIZE
   - D. WATER POTABLEXX
4. NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE WITHOUT WRITTEN PERMISSION OF RIVAL ENGINEERING. ALL PROPOSED ADMIXTURES SHALL BE SUBMITTED TO RIVAL ENGINEERING, LLC WITH THE PROPOSED MIX DESIGNS AND SHALL INCLUDE CERTIFICATION FROM THE MANUFACTURER THAT THE ADMIXTURE IS COMPATIBLE WITH OTHER ADMIXTURES PRESENT AND WILL NOT CONTRIBUTE WATER-SOLUBLE CHLORIDE IONS EXCEEDING THOSE PERMITTED IN HARDENED CONCRETE. DO NOT USE CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CALCIUM CHLORIDE.
5. COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE " FOR FABRICATING, PLACING AND SUPPORTING REINFORCEMENT.
6. COMPLY WITH THE MINIMUM CONCRETE COVER FOR REINFORCEMENT AS FOLLOWS:
   - A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH — 3"
   - B. CONCRETE EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALLER) — 1-1/2"
   - C. CONCRETE EXPOSED TO EARTH OR WEATHER (#6 BARS OR LARGER) — 2"
   - D. CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT W/ GROUND
     - a. SLABS, WALLS, JOISTS (#11 BAR AND SMALLER) — 3/4"
     - b. SLABS, WALLS, JOISTS (#14 BAR AND #18 BARS) — 1-1/2"
     - c. PRIMARY REINF., TIES, STIRRUPS, & SPIRALS FOR BEAMS & COLUMNS — 1-1/2"
7. NORMAL WEIGHT CONCRETE MIXTURES SHALL HAVE THE FOLLOWING PROPERTIES:

	ELEMENT	MIN. COMPRESSIVE STRENGTH @ 28 DAYS	MAX WATER-CEMENT RATIO	MAX SLUMP LIMIT	AIR CONTENT
5.1	FOOTINGS	3000 PSI	0.45	4"	2%-5%
5.2	SLAB-ON-GRADE	3000 PSI	0.45	4"	2%-5%

CONCRETE SLAB ON GRADE:

1. THE SLAB ON GRADE IS NOT DESIGNED AS A STRUCTURAL DIAPHRAGM AND IS NOT PART OF THE LATERAL FORCE-RESISTING-SYSTEM.
2. MINIMUM 28 DAY COMPRESSIVE STRENGTH FOR ALL STRUCTURAL CONCRETE ELEMENTS SHALL BE 3000 PSI.
3. NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE WITHOUT WRITTEN PERMISSION OF RIVAL ENGINEERING, LLC. ALL PROPOSED ADMIXTURES SHALL BE SUBMITTED TO RIVAL ENGINEERING, LLC WITH THE PROPOSED MIX DESIGNS AND SHALL INCLUDE CERTIFICATION FORM THE MANUFACTURER THAT THE ADMIXTURE IS COMPATIBLE WITH OTHER ADMIXTURES PRESENT AND WILL NOT CONTRIBUTE WATER-SOLUBLE CHLORIDE IONS EXCEEDING THOSE PERMITTED IN HARDENED CONCRETE. DO NOT USE CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CALCIUM CHLORIDE.
4. THE CONTRACTOR SHALL FOLLOW AMERICAN CONCRETE ASSOCIATION (ACI) RECOMMENDATIONS FOR PLACING CONCRETE DURING EXTREMELY HOT OR COLD WEATHER.
5. SLABS ON GRADE DEPEND ON THE INTEGRITY OF BOTH THE SLAB AND FULL SOIL SUPPORT .PROVIDE SATISFACTORY SOIL MATERIALS UNDER SLAB ON GRADE ACCORDING TO THE GEOTECHNICAL ENGINEER'S WRITTEN RECOMMENDATIONS. PROOF-ROLL SUBGRADE BELOW THE BUILDING SLAB ON GRADE WITH HEAVY PNEUMATIC-TIRED EQUIPMENT TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING.
6. PROVIDE PLASTIC VAPOR RETARDER AS SHOWN ON PLANS. VAPOR RETARDER SHALL CONFORM TO ASTM E 1745, CLASS C, OR POLYETHYLENE SHEET, ASTM D 4397, NOT LESS THAN 10 MILS THICK. LAP EDGES MIN. 6 " .
7. PROVIDE A MINIMUM 4" OF GRANULAR FILL DIRECTLY UNDER SLAB ON GRADE. FILL SHALL CONSIST OF A CLEAN MIXTURE OF CRUSHED STONE OR CRUSHED OR UNCRUSHED GRAVEL PER ASTM D448, SIZE 57 WITH 100% PASSING A 1-1/2 " SIEVE AND 0-5% PASSING A NO. 8 SIEVE.
8. REINFORCE CONCRETE SLAB ON GRADE WITH REINFORCING BARS (ASTM A615, GRADE 60, DEFORMED) OR WELDED WIRE REINFORCEMENT (FABRIC) AS INDICATED ON PLANS. WELDED WIRE REINFORCEMENT SHALL BE SUPPLIED IN FLAT SHEETS AND INSTALLED IN LONGEST PRACTICAL LENGTH ON BAR SUPPORTS OR CONCRETE BRICKS SPACED TO MINIMIZE SAGGING. LAP ALL EDGES OF WELDED WIRE FABRIC A MINIMUM DISTANCE OF 1'-0".
9. PROVIDE CONTROL JOINTS PER ACI RECOMMENDATIONS.
10. THE CONCRETE SLAB HAS BEEN DESIGNED USING A SUBGRADE MODULUS OF K=150 PCI AND A DESIGN LOADING AS NOTED IN THE "DESIGN CRITERIA" SECTION OF THESE SPECIFICATIONS. RIVAL ENGINEERING IS NOT RESPONSIBLE FOR DIFFERENTIAL SETTLEMENT, SLAB CRACKING OR OTHER FUTURE DEFECTS RESULTING FROM UNREPORTED CONDITIONS MITIGATING THE ABOVE ASSUMPTIONS.

MASONRY:

1. ALL STRUCTURAL MASONRY AND REINFORCING SHALL CONFORM TO THE STANDARDS SET FORTH BY THE LATEST EDITION OF ACI 402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" & ACI 402 "SPECIFICATION FOR MASONRY STRUCTURES. "
2. PROVIDE CONCRETE MASONRY UNIT ASSEMBLIES AS INDICATED ON THE DRAWINGS THAT DEVELOP A MINIMUM NET-AREA COMPRESSIVE STRENGTH (F'M) OF 1500 PSI AT 28 DAYS BY USING THE FOLLOWING:
   - A. NORMAL WEIGHT CONCRETE MASONRY UNITS (CMU) CONFORMING TO ASTM C90 WITH A MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI. TYPE M OR S GROUT CONFORMING TO ASTM C270.
3. PROVIDE MORTAR AND GROUT MATERIALS AS INDICATED ON THE DRAWINGS AND CONFORMING TO THE REQUIREMENTS BELOW:
   - A. MORTAR FOR MASONRY ASSEMBLIES SHALL BE EITHER TYPE M OR S CONFORMING TO ASTM C270.
   - B. GROUT SHALL CONFORM TO ASTM C476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. GROUT SLUMP SHALL BE 8 " TO 11" ACCORDING TO ASTM C143.
   - C. ALL CELLS CONTAINING REINFORCEMENT, CELLS BELOW GRADE, AND ANY LOCATIONS NOTED ON THE PLANS SHALL BE GROUTED SOLID. DO NOT USE CALCIUM CHLORIDE IN THE GROUT OR MORTAR MIX.
   - D. ALL MASONRY SHALL BE PLACED IN FULL MORTAR BED.
4. PROVIDE VERTICAL REINFORCEMENT AS NOTED ON PLANS AND PER REQUIREMENTS BELOW:
   - A. ALL REBAR SHALL BE UNCOATED STEEL REINFORCING BARS CONFORMING TO ASTM A615, GRADE 60.
   - B. GROUT ALL CELLS CONTAINING REINFORCEMENT. LIMIT POUR HEIGHTS TO 60 " MAX.
   - C. PROVIDE AN OPEN BOTTOM BOND BEAM REINFORCED WITH (1) #5 BARS CONT. IN THE FOLLOWING LOCATIONS:
     - a. AT TOP OF ALL MASONRY WALL ELEVATIONS
     - b. AT ALL TRUSS AND FRAMING BEARING ELEVATIONS
     - c. AT 48" O.C. VERTICALLY IN ALL EXTERIOR MASONRY WALLS UNLESS NOTED OTHERWISE
5. PROVIDE MASONRY JOINT REINFORCING AT 16 " O.C. VERTICALLY IN ADDITION TO CONTINUOUS REINFORCEMENT, AND NOT MORE THAN 8 " ABOVE AND BELOW OPENINGS IN MASONRY WALLS AND EXTENDING 12 " BEYOND THE OPENING. JOINT REINFORCING SHALL CONSIST OF HOT-DIPPED GALVANIZED, CARBON STEEL CONFORMING TO ASTM A951 AND THE FOLLOWING REQUIREMENTS:
   - A. SINGLE WYTHE WALLS: LADDER OR TRUSS TYPE WITH A SINGLE PAIR OF SIDE RODS. SIDE AND CROSS RODS SHALL BE W1.7 IN DIAMETER.
   - B. MULTI-WYTHE WALLS: TAB TYPE LADDER OR TAB TYPE TRUSS WITH 1 SIDE ROD AT EACH FACE SHELL OF BACKING WYTHE AND RECTANGULAR TABS SIZED TO EXTEND AT LEAST HALFWAY THROUGH FACING WYTHE BUT WITH AT LEAST 5/8 " COVER ON OUTSIDE WALL FACE. SIDE AND CROSS RODS SHALL BE W1.7 IN DIAMETER.
6. PROVIDE ADJUSTABLE MASONRY VENEER ANCHORS TO ATTACH VENEER CONSTRUCTION TO WALL CONSTRUCTION THAT COMPLY WITH THE FOLLOWING:
   - A. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION OF AIR SPACE BETWEEN VENEER AND WALL CONSTRUCTION. AIR SPACE SHALL BE MINIMUM 1" AND MAXIMUM 4".
   - B. SPACE ANCHORS AS REQUIRED, BUT NOT MORE THAN 16 " O.C. BOTH HORIZONTALLY AND VERTICALLY, WITH NOT LESS THAN 1 ANCHOR FOR EACH 2.0 SQ FT. OF WALL AREA. INSTALL ADDITIONAL ANCHORS WITHIN 8 " OF WINDOW AND DOOR OPENINGS AND 12 " FROM THE TOP OF THE VENEER.
   - C. ALL MASONRY ANCHORS, TIES AND ACCESSORIES SHALL BE GALVANIZED.
7. PROVIDE CONTROL AND EXPANSION JOINTS AS INDICATED IN THE ARCHITECTURAL DRAWINGS.
8. CONSULT PORTLAND CEMENT ASSOCIATION RECOMMENDATION FOR CONSTRUCTION DURING EXTREMELY HOT OR EXTREMELY COLD WEATHER.
9. ALL MASONRY LINTELS SHALL HAVE A MINIMUM 16 " OF BEARING. BRICK VENEER SUPPORT TO BEAR 8" MIN. EA. SIDE OF OPENINGS.

RENOVATION TO EXISTING BUILDING:

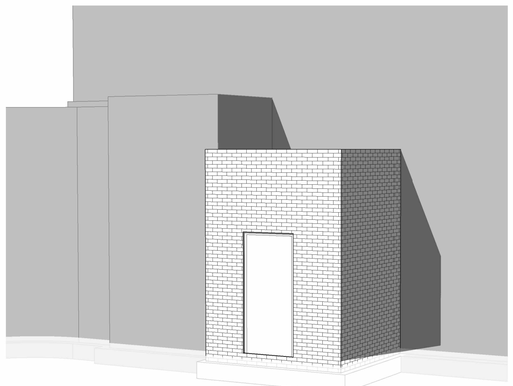
1. RIVAL ENGINEERING HAS BEEN CONTRACTED TO PROVIDE A STRUCTURAL DESIGN FOR THE AREAS OF NEW CONSTRUCTION FOR THE PROPOSED RENOVATIONS/ADDITIONS TO THE **WALTERBORO FOUNTAIN** STRUCTURE. THE DESIGN CONTAINED WITHIN THESE PLANS IN NO WAY CERTIFIES THAT THE EXISTING AREAS OF THE BUILDING HAVE BEEN EVALUATED OR RETROFITTED FOR WIND OR SEISMIC LOADS. THE AREAS OF NEW CONSTRUCTION HAVE BEEN EVALUATED FOR ALL APPLICABLE LOADS AND DESIGNED APPROPRIATELY. THERE MAY BE SOME INCIDENTAL STABILIZATION TO THE EXISTING BUILDING PROVIDED BY THE NEW CONSTRUCTION TO A WIND OR SEISMIC EVENT, BUT THE EXISTING STRUCTURE HAS IN NO WAY BEEN EVALUATED SPECIFICALLY FOR THESE FORCES. IT IS ASSUMED THAT THE EXISTING STRUCTURE IS ADEQUATELY DESIGNED TO WITHSTAND THESE FORCES.

LUMBER:

1. ALL LUMBER USED IN BELOW GRADE APPLICATIONS SHALL BE PRESSURE TREATED LUMBER.
2. ALL LUMBER USED FOR WALL CONSTRUCTION (STUDS, PLATES, PURLINS…) SHALL BE A MINIMUM OF SPF #2 GRADE @ 19% MOISTURE CONTENT.
3. ALL LUMBER USED FOR HEADERS, BRACING AND MISCELLANEOUS FRAMING SHALL BE A MINIMUM OF SYP #2 GRADE @ 19% MOISTURE CONTENT.
4. SEE ARCHITECTURAL DRAWINGS AND CURRENT APPLICABLE CODE REQUIREMENTS FOR LOCATIONS REQUIRING TREATED WOOD.
5. ALL ENGINEERED LUMBER BEAMS (LVL, PSL OR GLULAM) SHALL HAVE MIN E = 2000000 psi, Fb = 2900 psi, Fv = 285 psi.

Sheet List

Sheet Number	Sheet Name	Current Revision	Current Rev. Date	Current Revision Description
S0.0	GENERAL NOTES	1	04-23-26	PERMIT SET
S1.0	FLOOR PLANS AND SECTIONS	1	04-23-26	PERMIT SET
S2.0	SECTIONS AND DETAILS	1	04-23-26	PERMIT SET



1 S0.0 3D VIEW

RIVAL ENGINEERING
466. N. GUIGNARD DRIVE
SUMTER SC 29150
803-883-0079
WWW.RIVALDB.COM

RS Bell
ARCHITECTS LLC
134 N. Main St.
Sumter, South Carolina
803 774-3025

Date:
04-23-26

SOUTH CAROLINA RIVAL ENGINEERING LLC CO 7183 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER TAYLOR W. MOTLEY 04-23-26

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

GENERAL NOTES

Scale:
As indicated

Project No.:26045RE

Revision Schedule

Rev #	Description	Date
1	PERMIT SET	04-23-26

Sheet:
S0.0

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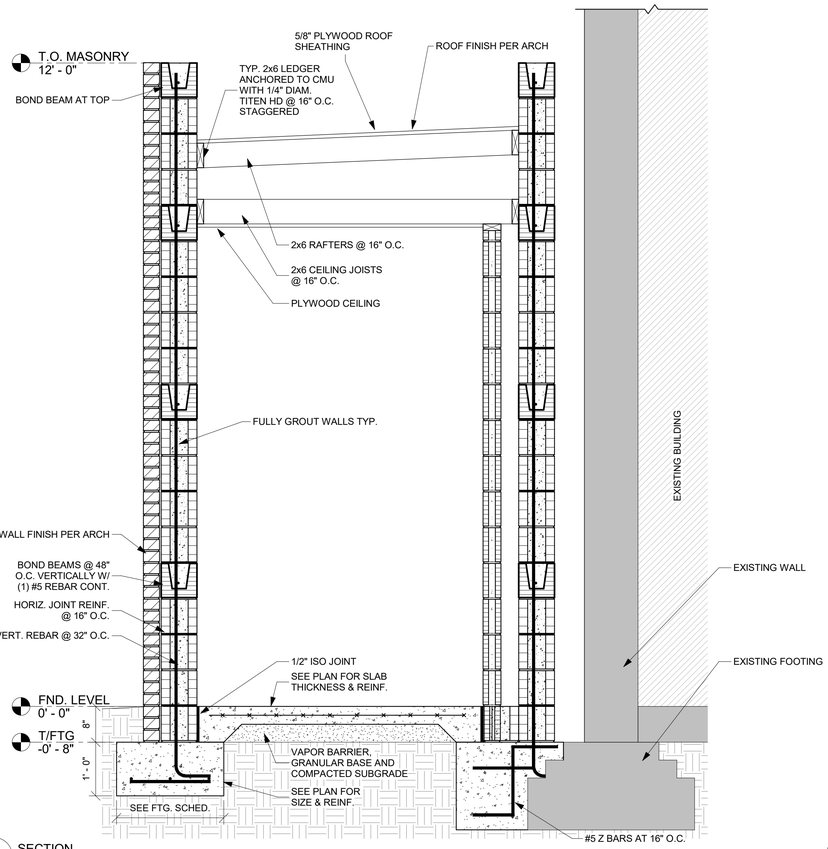
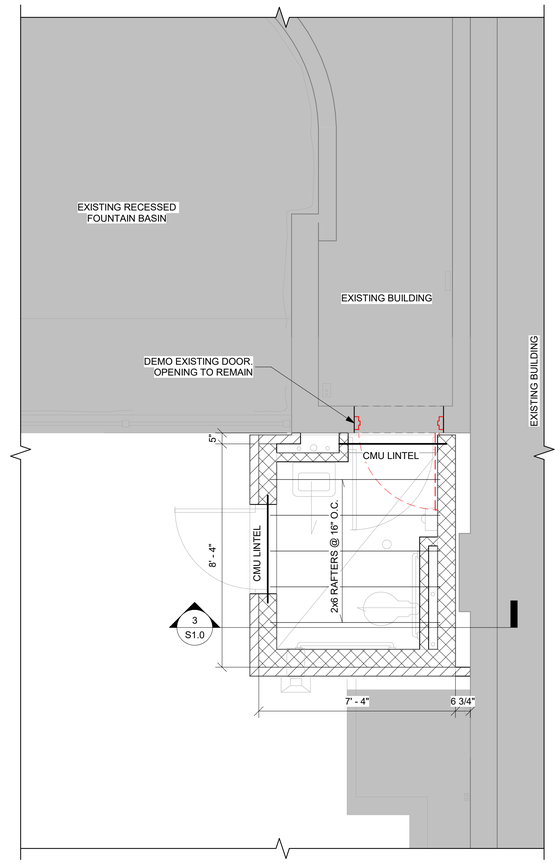


3 / S1.0 SECTION
3/4" = 1'-0"

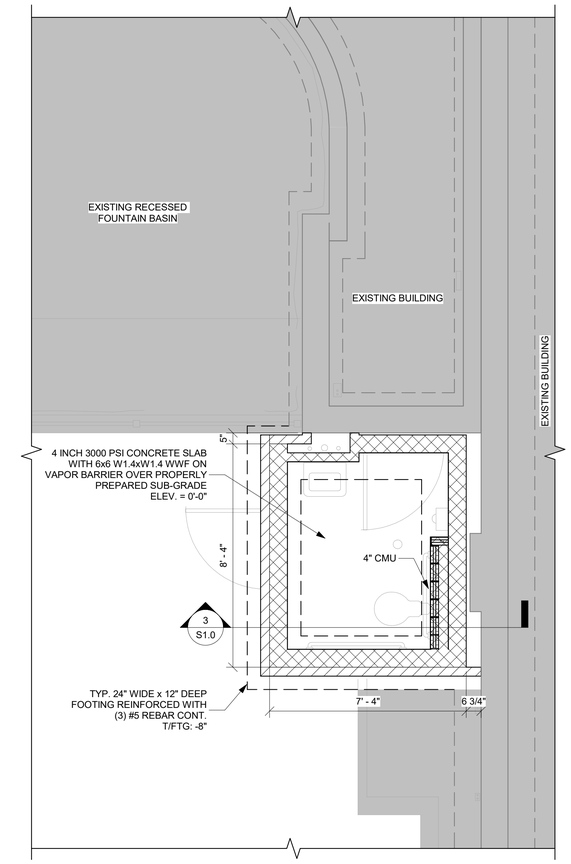


2 / S1.0 ROOF FRAMING PLAN
3/8" = 1'-0"

NOTES:

1. SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS NOT SHOWN
2. PLAN SYMBOLS:

INDICATES 4" OR 8" CMU WALL
INDICATES 4" BRICK VENEER



1 / S1.0 FOUNDATION PLAN
3/8" = 1'-0"

NOTES:

1. SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS NOT SHOWN
2. STEP FOOTINGS AS REQUIRED FOR GRADE CHANGES.
3. PLAN SYMBOLS:

INDICATES 4" OR 8" CMU WALL
INDICATES 4" BRICK VENEER

RS Bell
ARCHITECTS LLC
134 N. Main St.
Sumter, South Carolina
803 774-3025

Date:
04-23-26

SOUTH CAROLINA
RIVAL ENGINEERING LLC
CO 7163
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 29141
04-23-26
TAYLOR W. MOTLEY

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

FLOOR PLANS AND SECTIONS

Scale:
As indicated

Project No.:26045RE

Revision Schedule

Rev #	Description	Date
1	PERMIT SET	04-23-26

Sheet:
S1.0

RIVAL ENGINEERING
466. N. GUIGNARD DRIVE
SUMTER SC 29150
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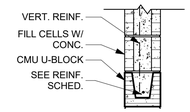
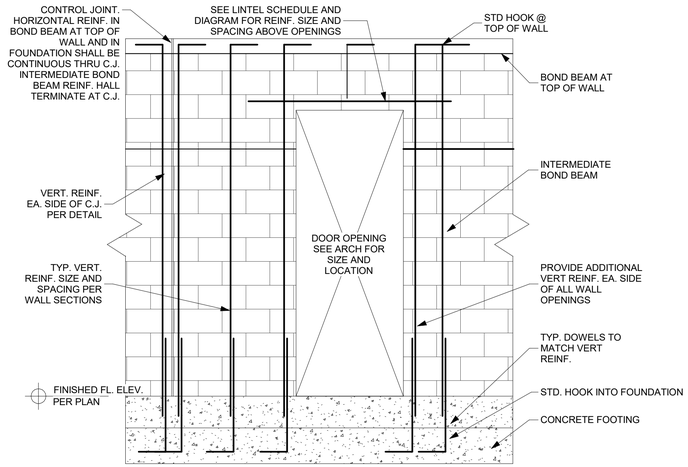
CMU LINTEL SCHEDULE			
CLEAR SPAN	WIDTH	DEPTH	REINF.
UP TO 4'-0"	8"	8"	(1) #5

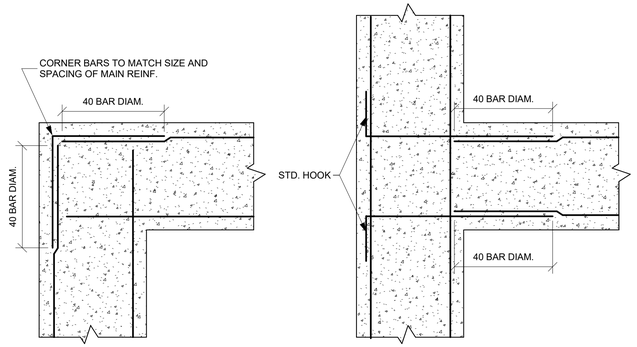


NOTES:
1. SEE ARCHS FOR SIZE & LOCATIONS OF ALL MASONRY OPENINGS.
2. PROVIDE MIN. 8" BEARING EA. SIDE OF OPENING. HORIZ. REINF. TO EXTEND 24" PAST OPENING. BEND REINFORCING UP OR DOWN INTO VERT. CELLS WHEN OCCURRING AT/NEAR END OF WALL.
3. REINFORCING SHALL HAVE 1/2" MIN. GROUT COVER TO SURFACE OF BOND BEAM.
4. LINTELS ARE REQUIRED @ OPENINGS WHERE WIDTHS EXCEED 16".
5. AT DUCT PENETRATIONS, IN LIEU OF MASONRY LINTEL, STEEL ANGLES (2) L4x3 1/2x5/16 MAY BE PROVIDED FOR WIDTHS UP TO 4'-0" IN WIDTH.

4 / S2.0 CMU LINTEL SCHEDULE
3/4" = 1'-0"



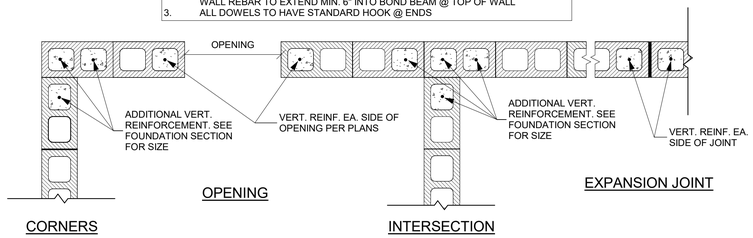
7 / S2.0 CMU - WALL OPENING DETAIL
1/2" = 1'-0"



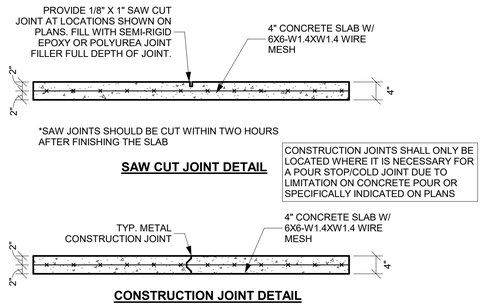
3 / S2.0 FND - FTG CORNERS/INTER.
3/4" = 1'-0"

NAILING SCHEDULE		
JOINT DESCRIPTION	**NUMBER OF COMMON NAILS**	**NAIL SPACING**
ROOF FRAMING		
Rafter to Top Plate (Toe-Nailed)	2-16d (0.162" Dia. x 3.5")	Per Rafter
Ceiling Joist to Top Plate (Toe-Nailed)	3-8d (0.131" Dia. x 2.5")	Per Joist
Ceiling Joist to Parallel Rafter (Face-Nailed)	3-10d (0.148" Dia. x 3")	Per Lap
Ceiling Joist Laps over Partitions (Face-Nailed)	3-10d (0.148" Dia. x 3")	Per Lap
Collar Tie to Rafter	See Plan	Per Collar Tie
Blocking to Rafter	2-8d (0.131" Dia. x 2.5")	Ea. End
Rim Board to Rafter	2-16d (0.162" Dia. x 3.5")	Ea. End
Rafter to Ridge, Valley or Hip Rafter (Toe-Nail) (Face-Nail)	4-16d (0.162" Dia. x 3.5") 3-16d (0.162" Dia. x 3.5")	
WALL FRAMING		
Top Plate to Top Plate	See Plans	
Top Plates at Intersections	4-10d (0.148" Dia. x 3")	Joints - Ea. Side
Stud to Stud	2-10d (0.148" Dia. x 3")	24" o.c.
Header to Header	16d (0.162" Dia. x 3.5")	16" along edges
Top or Bottom Plate to Stud	2-10d (0.148" Dia. x 3")	Per Stud
Bottom Plate to Floor Joist, Band Joist, Endjoist or Blocking (Face-Nailed)	2-16d (0.162" Dia. x 3.5")	Per Foot
FLOOR FRAMING		
Joist to Sill, Top Plate or Girder (Toe-Nailed)	4-8d (0.131" Dia. x 2.5")	Per Joist
Bridging to Joist (Toe-Nailed)	2-8d (0.131" Dia. x 2.5")	Ea. End
Blocking to Joist (Toe-Nailed)	2-8d (0.131" Dia. x 2.5")	Ea. End
Blocking to Sill or Top Plate (Toe-Nailed)	3-16d (0.162" Dia. x 3.5")	Ea. Block
Ledger Strip to Beam (Face-Nailed)	2-16d (0.162" Dia. x 3.5")	Ea. Joist
Joist on Ledger to Beam (Toe-Nailed)	3-8d (0.131" Dia. x 2.5")	Per Joist
Band Joist to Joist (End-Nailed)	3-16d (0.162" Dia. x 3.5)	Per Joist
Band Joist to Sill or Top Plate (Toe-Nailed)	2-16d (0.162" Dia. x 3.5")	Per Foot
ROOF SHEATHING		
Structural Panels	See Plans	
CEILING SHEATHING		
Gypsum Wallboard	5d coolers	7" edge/ 10" field
WALL SHEATHING		
Structural Panels	See Plans	
Gypsum Wallboard	5d coolers	7" edge/ 10" field
FLOOR SHEATHING		
Structural Panels (Less than 1")	8d (0.131" Dia. x 2.5")	6" edge/ 12" field
Structural Panels (Greater than 1")	10d (0.148" Dia. x 2.5")	6" edge/ 6" field

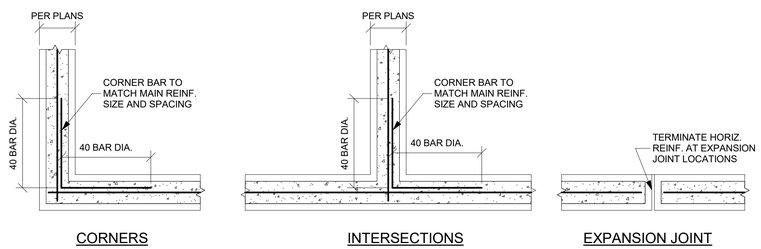
NOTES:
1. FILL ALL CELLS CONTAINING VERT. REINF. W/ GROUT
2. ALL VERT. REINF. SHALL LAP FOOTING DOWELS IF NOT CONT. FROM FOOTING.
3. WALL REBAR TO EXTEND MIN. 6" INTO BOND BEAM @ TOP OF WALL
4. ALL DOWELS TO HAVE STANDARD HOOK @ ENDS



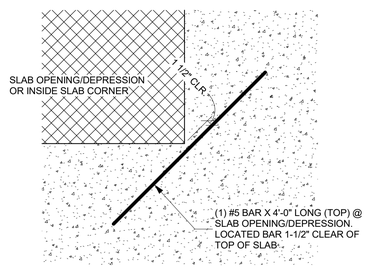
6 / S2.0 CMU - CMU VERTICAL REINF
3/4" = 1'-0"



2 / S2.0 FND - SLAB JOINT DETAILS
3/4" = 1'-0"



5 / S2.0 FND - CMU STEM-WALL BOND BEAM REINF DETAIL
3/4" = 1'-0"



* DETAIL APPLIES AT DEPRESSIONS GREATER THAN 1/4 SLAB THICKNESS

1 / S2.0 FND - RE-ENTRANT CORNER DETAIL
3/4" = 1'-0"

RS Bell ARCHITECTS LLC
134 N. Main St.
Sumter, South Carolina
803 774-3025

Date:
04-23-26

SOUTH CAROLINA RIVAL ENGINEERING LLC CO 7163 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 29141 TAYLOR W. MOTLEY 04-23-26

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

SECTIONS AND DETAILS

Scale:
As indicated

Project No.:26045RE

Revision Schedule

Rev #	Description	Date
1	PERMIT SET	04-23-26

RIVAL ENGINEERING
466. N. GUIGNARD DRIVE
SUMTER SC 29150
803-883-0079
WWW.RIVALDB.COM

Sheet:
S2.0

5/21/2026 5:02:10 PM

PLUMBING SPECIFICATIONS

1.01 SCOPE:
These specifications together with the accompanying plumbing drawings are intended to provide complete plumbing installation for an addition and shall include all labor, equipment and materials.

1.02 GENERAL:
All work shall be performed by skilled and capable workmen under competent supervision, employing latest and best practices of the trade. Work shall be installed according to the adopted local plumbing code, and shall meet with plumbing inspector's approval in every respect. Local code shall apply where such code exceeds requirements of this specification. In absence of code or authorities, install all work according to the International Plumbing Code, 2021 edition.

Plumbing contractor shall obtain all permits and licenses, at his own expense, and shall pay all service charges required for prosecution of this work.

Plumbing drawings are diagrammatic only, and do not show all offsets, fittings, etc. Coordinate work with other trades, furnishing and installing all fittings, offsets, etc., required at no additional cost to owner.

2.01 MATERIALS:
- Soil & Waste Piping: Schedule 40 PVC with solvent weld fittings.
- Water Piping: Schedule 40 PVC (outside) and PEX piping (Type 'A", or Type "B" (Zurn))with full port fittings.
- Insulation: Owens-Corning ASJ 25 fiberglass, 1" thick on water piping.
- Anti-freeze hydrants: Prier P-164D04 quarter-turn frost free anti-siphon outdoor hydrant, 4-inch.

2.02 PIPE HANGERS AND SUPPORTS:
Piping shall be installed without undue stress or strain on joints and equipment. Hangers shall be securely anchored to building structure. Pipe hangers shall be installed around the insulation where pipes are insulated. Install hanger with sheet metal saddles to protect the pipe insulation to keep the insulation from crushing.

Makeshift, field devised methods of plumbing pipe support, such as with the use of scrap framing materials, are not allowed. Support and positioning of piping shall be by means of engineered methods that comply with IAPMO PS 42-96. These shall be Hubbard Enterprises/Holdrite support systems or engineer-approved equivalent.

2.03 FIXTURES:
All fixtures shall be new, first quality, and free from defects. Fixtures shall be furnished complete with supply pipes, stop valves, traps, faucets, escutcheons, hangers, supports, etc. All exposed piping shall be chrome plated.

Where fixtures are installed in contact with walls or floors, seal the spaces at the outer edges of fixtures in contact with walls or floors using a non-hardening bathtub caulk, "Silastic" by Dow-Corning, or approved equal.

All wall mounted fixtures shall be either mounted on heavy duty wall mounting brackets with thru wall bolts and back plates. Standard light-weight pressed steel mounting brackets with screws and ordinary shields into the surface of the block will not be acceptable.

3.01 CLEANING, PAINTING, AND ADJUSTING:
At the completion of the work, all parts of the installation shall be thoroughly cleaned. All equipment, pipe, valves, and fittings shall be cleaned of all grease, metal cuttings, and sludge which may have accumulated by operation of the system for testing. Any stoppage, discoloration, or other damage to parts of the building, its finish or furnishings, due to the contractor's failure to properly clean the piping system, shall be repaired by the plumbing contractor without cost to the owner. All flush valves and other parts of the system shall be adjusted for quiet and proper operation.

Fixtures shall be tested for soundness, stability of support, and satisfactory operation of all component parts.

3.02 INSTRUCTION BOOKLETS:
Contractor shall furnish the owner two complete sets of instruction booklets regarding the operation and maintenance of all plumbing items of equipment installed under this contract. Booklets shall include a complete parts list and technical data, including preventative maintenance instructions for all items of equipment.

Each set of instruction booklets shall be neatly bound into a single unit and presented to the owner prior to final acceptance of the job.

3.03 GUARANTEES AND WARRANTIES:
Contractor shall service and maintain all equipment installed by him under this contract for a like period of 12 months from the date the certificate of substantial completion is issued, performing all required seasonal maintenance.

Contractor shall guarantee mechanical systems as installed by him to operate quietly, safely, and efficiently.

CLEANOUT SCHEDULE

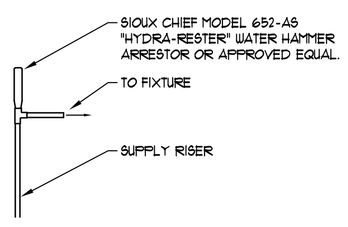
SYMBOL	SIZE	BODY	PLUG	COVER FINISH	ACCESSORIES
WCO	2"-4"	PVC	PVC	N/B	
FCO	4"	C.I.	PVC	P/B	TRAFFIC RATED IN WAREHOUSE
CO	2"-4"	C.I.	PVC	———	

PLUMBING NOTES

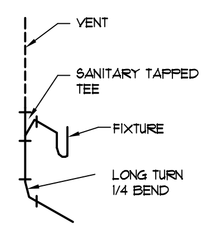
1. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE, LOCATIONS, ETC.
2. EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS OTHERWISE NOTED, ALL SUPPLY, WASTE, AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
3. GENERALLY COLD WATER PIPING RUNS BELOW FLOOR PLAN, SEE PLANS.
4. COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
5. WATER CLOSETS IN TOILET ROOMS SHALL BE CENTERED ACCORDING TO FINAL LAYOUT OF ARCHITECTURAL DRAWINGS.
6. SIZES OF VENT PIPE WILL BE 2" UNLESS STATED OTHERWISE ON PLANS.
7. LOCATE HANDLES ON HANDICAPPED WATER CLOSETS ON WIDE SIDE OF FIXTURE.

PLUMBING SYMBOLS

————————	SOIL OR WASTE PIPING
— — — — — — —	VENT PIPING
——-——-——-——	COLD WATER PIPING
——————-- ——	HOT WATER PIPING
——————| CO	CLEANOUT IN WALL
——————|o _CO	CLEANOUT IN FLOOR OR TO GRADE
——-——-——AFH	ANTI-FREEZE HYDRANT
——-——-——HB	HOSE BIBB
——————-———	BALL VALVE
VTR	VENT THRU ROOF
HB	HOSE BIBB



WATER HAMMER ARRESTOR DETAIL



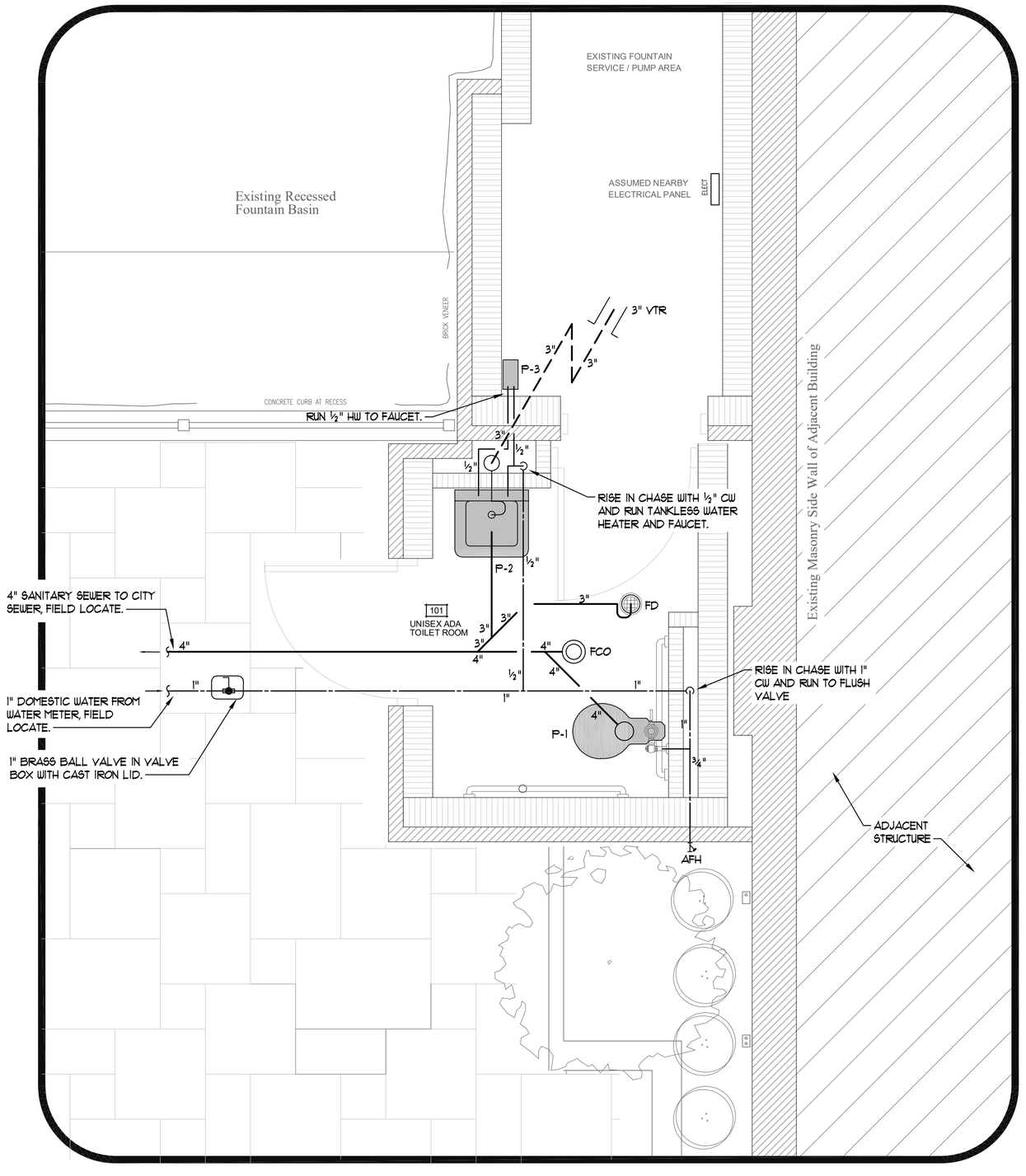
ROUGHING DIAGRAMS

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	CONNECTIONS			SPECIFICATIONS
		CW	HW	WASTE	
P-1	WATER CLOSET - ADA	½"	—	4"	KOHLER MODEL K-25077-SSTR-0 "KINGSTON", ADA, ELONGATED, 1.6 GPF, TANK TYPE, WITH BOLT CAPS. OLSONITE #95SS OPEN FRONT SEAT. TRIP LEVER SHALL BE ON WIDE SIDE.
P-2	WALL-HUNG LAVATORY	½"	½"	1¼"	KOHLER MODEL K-2867-0 WHITE. CENTERSET DRILLING. K-15583-4A7A-CP CHROME PLATED BRASS SINGLE LEVER FAUCET. EBC MODEL SG7UC GRID DRAIN, EBC TA140 I L18 DBF P-TRAP, IK TRAP INSULATOR. EBC VAH26K HEAVY DUTY STOP VALVES WITH SUPPLIES.
P-3	TANKLESS WATER HEATER	½"	—	—	CHRONOMITE MODEL CM-20L/240, 240/1/60 4.8KW, 90°+ RISE AT .35 GPM, ¾" FITTINGS, FURNISH WITH 2095-1 DISCONNECT SWITCH.

DRAIN SCHEDULE

SYMBOL	ZURN NO.	JOSAM NO.	SMITH NO.	SIZE	TOP MATERIAL	BODY MATERIAL	ACCESSORIES
FD	Z-415-A	30000-A	2010-A	3"	P/B	C.I.	ROUND TOP & INSTALL PROSET "TRAP GUARD VALVE"



1 / P1.1 Proposed Restroom Plumbing Plan

Scale: 1/2" = 1'-0"

North

RS Bell
ARCHITECTS LLC
134 N. Main Street
Sumter, South Carolina
803 774-3025

Date:
January 5, 2026

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 12548 LOUIS C. BUSTO

SOUTH CAROLINA FELKEL & HASTINGS, CONSULTING MECHANICAL ENGINEERS No. C00429 CERTIFICATE OF AUTHORIZATION

FELKEL & HASTINGS
Mechanical Engineers
215 Shandon Street
Columbia, SC 29205
Comm. No.: 26-19 Date: 4-23-26

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

Scale:
1/2" = 1'-0"

Project No. : 26-001
File No. : 68-979904

Revisions:

0 1 2 4
GRAPHIC SCALE: 1/2" = 1'-0"

Sheet:
P 1.1

OUTLINE SPECIFICATIONS

1. ALL WORK SHALL COMPLY WITH THE 2009 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE, THE 2021 EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL FUEL GAS CODE AND OTHER REQUIREMENTS OF NFPA, EPA AND ALL OTHER AUTHORITIES HAVING JURISDICTION OVER THIS WORK.

2. THE CONTRACTOR SHALL PAY ALL FEES AND SECURE ALL LICENSES AND PERMITS REQUIRED FOR THE WORK INDICATED ON THE MECHANICAL DRAWINGS.

3. ALL ROTATING PIECES OF MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH VIBRATION ISOLATORS SUITABLE FOR THE SPECIFIC APPLICATION. ISOLATORS MAY BE EITHER INTERNAL OR EXTERNAL AND EITHER SUPPLIED BY THE CONTRACTOR OR EQUIPMENT MANUFACTURER.

4. ALL MECHANICAL EQUIPMENT, PIPE AND DUCTWORK SHALL BE RESTRAINED TO RESIST SEISMIC FORCES. RESTRAINT DEVICES SHALL BE DESIGNED AND SELECTED FOR THE SPECIFIC APPLICATION TO MEET THE SEISMIC REQUIREMENTS AS DEFINED IN THE CURRENTLY ADOPTED ISSUE OF THE INTERNATIONAL BUILDING CODE. SHOP DRAWINGS, SIGNED AND SEALED BY A REGISTERED ENGINEER, ARE REQUIRED FOR ALL SEISMIC RESTRAINT CALCULATIONS. All EQUIPMENT, DUCT, PIPING, ETC. SHALL HAVE AN Ip OF 1.0 WITH THE FOLLOW EXCEPTIONS, WHICH HAVE AN Ip OF 1.5: LIFE SAFETY EQUIPMENT.

5. ALL EXHAUST AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL PER SMACNA STANDARDS AND CONSTRUCTED AND ERECTED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE FOR LOW PRESSURE DUCT SYSTEMS. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH GASKETS, MASTICS OR MASTIC-PLUS-EMBEDDED-FABRIC TAPE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PROVIDE TURNING VANES IN ALL DEGREE ELBOWS.

6. FLEXIBLE DUCT CONNECTORS SHALL BE PROVIDED AT ALL EQUIPMENT DUCT CONNECTIONS.

7. ALL EXHAUST FANS SHALL BE CONTROLLED BY AS INDICATED IN THE VENTILATION EQUIPMENT SCHEDULE.

8. ALL CONTROL ITEMS AND PIECES OF EQUIPMENT SHALL BE PERMANENTLY LABELED.

9. AS-BUILT PRINTS SHALL BE PROVIDED TO THE OWNER AT PROJECT CLOSEOUT.

10. CONTRACTOR SHALL PROVIDE 2 COPIES OF THE OPERATIONS AND MAINTENANCE MANUALS TO THE OWNER PRIOR TO PROJECT CLOSEOUT.

11. CONTRACTOR SHALL PROVIDE 1 YEAR GUARANTEE ON ALL EQUIPMENT AND WORK.

HVAC GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT PLACEMENT OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES. IF A PARTICULAR ITEM IS NOT SHOWN ON THE REFLECTED CEILING PLANS, COORDINATE ITS LOCATION WITH ALL DISCIPLINES.

2. COORDINATE WITH THE GENERAL CONTRACTOR THE EXACT LOCATION OF ALL WALL PENETRATIONS. AVOID PENETRATING ANY STRUCTURAL MEMBERS UNLESS NOTED ON THE ARCHITECTURAL OR STRUCTURAL PLANS. WHERE CONFLICTS ARISE, THE MECHANICAL CONTRACTOR SHALL SUBMIT A DRAWING TO THE ENGINEER SHOWING HIS PROPOSED SOLUTION.

3. ALL DUCT TRANSITIONS FROM SQUARE TO ROUND SHALL BE SMOOTH AND TAPERED SQUARE TO ROUND TRANSITIONS. SPIN-IN FITTINGS AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE.

4. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.

5. IF EQUIPMENT TO BE SUPPLIED BY CONTRACTOR IS DIFFERENT THAN THAT SPECIFIED IN PLANS OR SPECIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL DISCIPLINES ANY CHANGES NEEDED BECAUSE OF UNIT SIZE, ROOF OPENING SIZE, WEIGHT, LOCATION, ELECTRICAL SERVICE, ETC.

6. COORDINATE VOLTAGE OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE SUBMITTING SHOP DRAWINGS OR ORDERING EQUIPMENT. ALL CONTROL WIRING TO OTHER CONTROL COMPONENTS IS TO BE PROVIDED BY THE MECHANICAL CONTRACTOR. IT IS HIS RESPONSIBILITY TO COORDINATE WITH HIS SUBCONTRACTORS TO ENSURE THAT THIS PRICE IS INCLUDED IN THE OVERALL MECHANICAL PRICE.

7. COORDINATE WITH THE GENERAL CONTRACTOR TO DETERMINE IF DUCT ROUTING AND SIZE AS PROPOSED IS FEASIBLE GIVEN THE EXISTING OR ACTUAL FRAMING SYSTEM TO BE USED. IF NOT, THE MECHANICAL CONTRACTOR SHALL SUBMIT HIS SUGGESTED CHANGE PRIOR TO ANY DUCT FABRICATION.

VENTILATING EQUIPMENT SCHEDULE

SYMBOL	MFGR.	MODEL NO.	FAN				MOTOR			CAPACITY		SPACES SERVED	TYPE FAN	CONTROLS	WEIGHT (LBS)	REMARKS
			TYPE	DIA.	RPM	MAX. SONES	NO. OF SPEEDS	HP OR AMPS	VOLTAGE CHAR.	CFM	S.P. (IN)					
CCF-1	GREENHECK	SP-A90	CENT.	--	870	1.0	1	0.14 AMPS	120-1-60	80	0.25	UNISEX TOILET 101	CABINET CEILING	LIGHT SWITCH	13	1, 2, 3, 4

1. FURNISH WITH DISCONNECT.
2. FURNISH WITH BACKDRAFT DAMPER.
3. FURNISH WITH HANGING VIBRATION ISOLATORS.
4. FURNISH WITH 8x8 BRICK VENT.

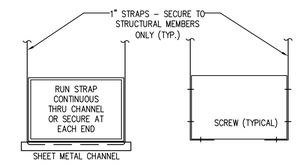
ELECTRIC HEATER SCHEDULE

SYMBOL	MFGR.	MODEL NO.	TYPE	INPUT KW	VOLTAGE CHAR.	STAGE	AMPS	WEIGHT (LBS.)	REMARKS
ECH-1	MARKEL	3380	CEILING	1.5	120-1-60	1	12.5	25	1, 2, 3

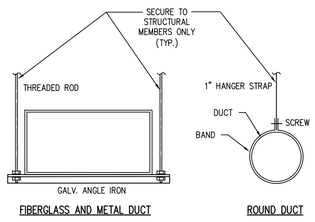
1. FURNISH WITH INTEGRAL DISCONNECT.
2. FURNISH WITH TAMPER-PROOF THERMOSTAT.
3. FURNISH WITH FULL RECESS MOUNTING KIT.

HVAC LEGEND

	UNDERCUT DOOR 3/4"
T	THERMOSTAT
DAH-1	DUCTLESS AIR HANDLER NO. 1
AH-1	AIR HANDLER NO. 1
CU-1	CONDENSING UNIT NO. 1
CCF-1	CABINET CEILING EXHAUST FAN NO. 1
ECH-1	ELECTRIC CEILING HEATER NO. 1
EWH-1	ELECTRIC WALL HEATER NO. 1
	REFRIGERANT LIQUID AND GAS PIPING
	CONDENSATE DRAIN LINE
	MANUAL DAMPER (MD)
X-9x9-130	TYPE "X" GRILLE (SEE SCHEDULE) 9x9 NECK WITH 8" SQUARE TO ROUND 130 CFM
	MOTOR OPERATED DAMPER (MOD)
	DUCT MOUNTED SMOKE DETECTOR (SD)
	FIRE DAMPER (FD)
	COMBINATION FIRE/SMOKE DAMPER (FSD)
RD	RADIATION DAMPER
	SQUARE TO ROUND TRANSITION
	ROUND FLEXIBLE DUCTWORK
	90 DEGREE ELBOW WITH TURNING VANES



DUCTS UP TO 24" WIDTH

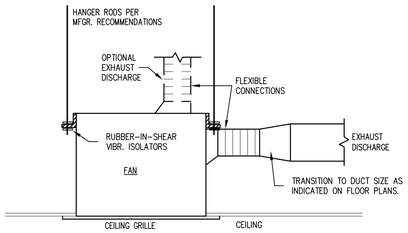


GREATER THAN 24" WIDTH

SEE SPECIFICATIONS TO DETERMINE IF AND WHEN FIBERGLASS DUCTWORK IS ALLOWED

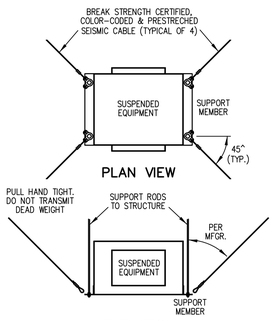
LOW PRESSURE DUCTWORK HANGER DETAIL

NOT TO SCALE



CEILING CABINET FAN DETAIL

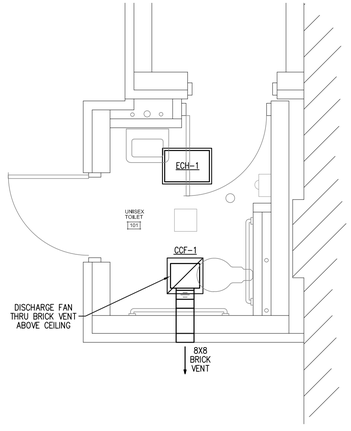
NOT TO SCALE



REFER TO SEISMIC MANUFACTURER LITERATURE FOR BRACE SPACING, REQUIRED BRACE LOCATIONS, LOAD CALCULATION PROCEDURES, SIZING AND ALLOWABLE LOADS ON BRACE ASSEMBLIES AND FASTENERS.

SUSPENDED EQUIPMENT SWAY BRACING DETAIL

NOT TO SCALE



1 / M1.1 HVAC Floor Plan

Scale: 3/8" = 1'-0"

RS Bell
ARCHITECTS LLC
134 N. Main Street
Sumter, South Carolina
803 774-3025

Date:
January 5, 2026

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 12548 LOUIS C. BUSTO

SOUTH CAROLINA FELKEL & HASTINGS, CONSULTING MECHANICAL ENGINEERS No. C00429 CERTIFICATE OF AUTHORIZATION

FELKEL & HASTINGS
Mechanical Engineers
215 Shandon Street
Columbia, S.C. 29205
Comm. No.: 26-19 Date: 04-22-26

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

HVAC Floor Plan, Outline Spec, Notes, Schedules & Details

Scale:
As Noted

Project No. : 26-001
File No. : 68-979904

Revisions:

0 2 4 6
GRAPHIC SCALE: 3/8" = 1'-0"

Sheet:
M1.1 of 1

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
A–1	CONDUIT AND CONDUCTORS HOMERUN TO PANELBOARD. NUMERALS INDICATE CIRCUIT NUMBER(S). LETTERS INDICATE PANELBOARD TO WHICH CIRCUITS ARE RUN. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. CONDUIT SIZED PER NATIONAL ELECTRICAL CODE. MINIMUM CONDUIT SIZE SHALL BE 3/4".
	CONCEALED CONDUIT RUN BELOW FLOOR, IN WALLS OR ABOVE CEILINGS. NOTATIONS SAME AS HOMERUN SYMBOL ABOVE.
A	4 FT. CEILING SURFACE–MOUNTED LIGHTING FIXTURE, SEE LIGHTING FIXTURE SCHEDULE.
WP 5	TAMPER RESISTANT GROUND FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX CONVENIENCE RECEPTACLE. NUMBERS DENOTE CIRCUIT TO WHICH RECEPTACLE SHALL BE CONNECTED. WP DENOTES THAT RECEPTACLE SHALL BE LISTED AS WEATHER RESISTANT AND HAVE A COVER LISTED AS WEATHERPROOF WHILE IN USE. MOUNT 18" AFF.

Panel: A

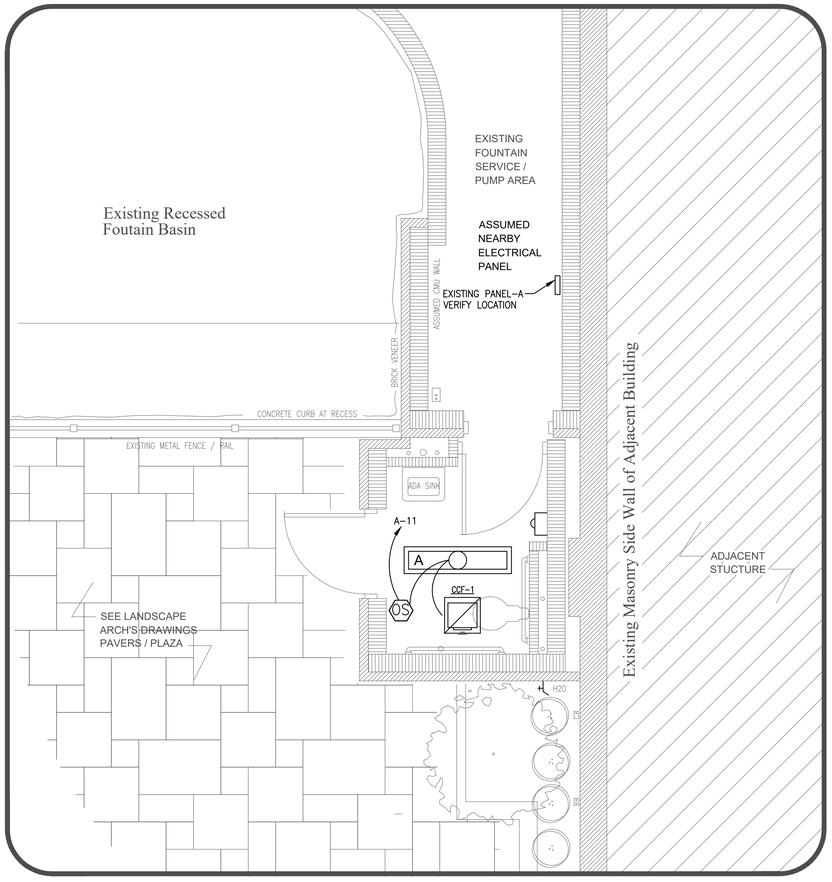
VOLTAGE: 120 /240 VOLTS
PHASE-WIRE: 1 PHASE - 3 WIRE
MAIN TYPE: MCB
MAIN SIZE: 60 AMPS

INTERRUPT: 10,000 AIC
MOUNTING: SURFACE
BUS TYPE: COPPER

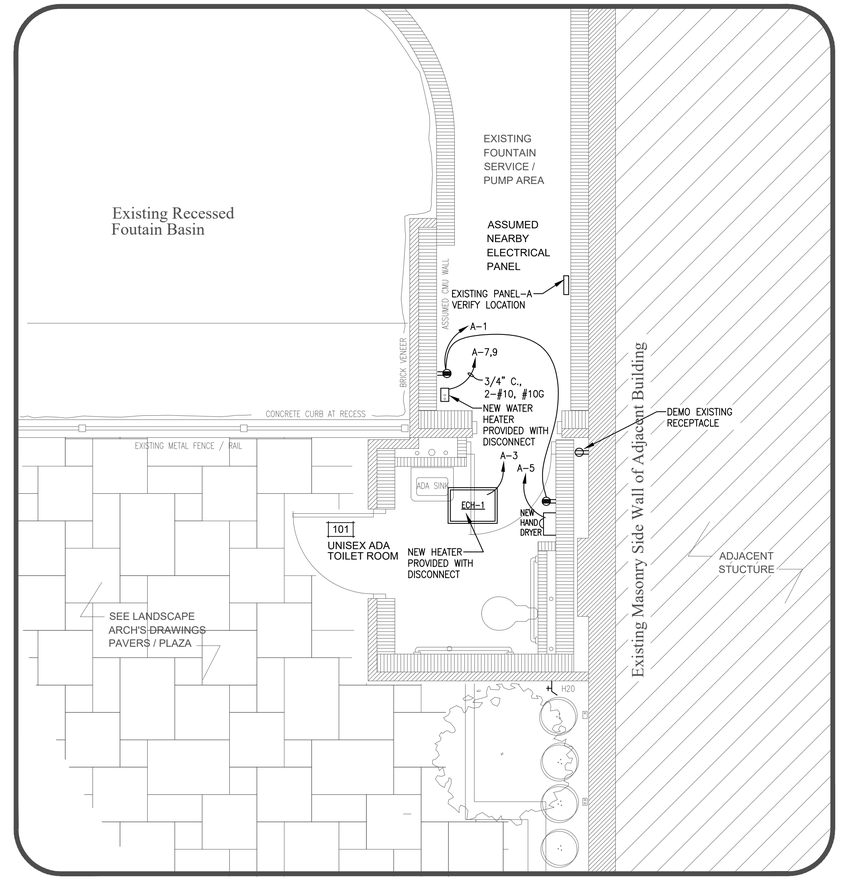
DESCRIPTION	POLE	WIRE AWG	TRIP AMPS	Cir.	Phase Loads KVA A-Phase	Phase Loads KVA B-Phase	Cir.	TRIP AMPS	WIRE AWG	POLE	DESCRIPTION
Receptacles	1	12	20	1	0.4 /		2	-	-	1	Spare
Ceiling Heater	1	12	20	3		1.5 /	4	-	-	1	Spare
Hand Dryer	1	12	20	5	1.5 /		6	-	-	1	Spare
Water Heater	2	10	30	7		2.4 /	8	-	-	1	Space Only
				9	2.4 /		10	-	-	1	Space Only
Lighting	1	12	20	11		0.2 /	12	-	-	1	Space Only
Total KVA per Phase					4.3	4.1					
Total Amps per Phase					36	34					

NOTES:
1) Note Add circuits shown to existing panel. If existing panel does not have available spaces for new circuits add a 60Amp- 2 pole breaker to existing panel to feed new Sub-Panel-A as shown.
2) -

UNLESS A LOCAL DISCONNECT IS INSTALLED FOR HAND DRYER, BREAKER SUPPLYING HAND DRYER IS TO BE EQUIPPED WITH PROVISIONS FOR LOCKING OUT THE BREAKER THAT REMAINS IN PLACE WITHOUT THE LOCK INSTALLED PER NEC 110.25 AND 422.31(C).



1 E1 Restroom Lighting Plan
Scale: 3/8" = 1'-0"
North



2 E1 Restroom Power Plan
Scale: 3/8" = 1'-0"
North

LIGHTING FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	TOTAL WATTAGE
A	Surface mount 4–ft 2900–Lumen LED Wraparound Light	Lithonia	FMLWL 48 840	(1) LED	40 WATTS

LIGHTING CONTROLS SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
OS	DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR WITH SINGLE RELAY. (1000 WATTS MAX AT 120V AND 1200 WATTS MAX AT 277V)	WATT STOPPER	DSW–301 (120VAC OR 277VAC)

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21953 1-5-26 STANLEY JOE STANLEY

Stanley Engineering
STANLEY ENGINEERING, LLC
1025 Oak Brook Blvd.
Sumter, SC 29150
(803) 840–1138

SOUTH CAROLINA STANLEY ENGINEERING, LLC. No. C03001 CERTIFICATE OF AUTHORIZATION

RS Bell ARCHITECTS LLC
134 N. Main Street
Sumter, South Carolina
803 774-3025

Date:
January 5, 2026

Walterboro Fountain Renovations

City of Walterboro

241 E. Washington St.
Walterboro, SC

Power & Lighting Plan

Scale:
3/8" = 1'-0"

Project No. : 26-001
File No. : 68-979904

Revisions:

0 2 4 6
GRAPHIC SCALE: 3/8" = 1'-0"

Sheet:
E-1 of 1