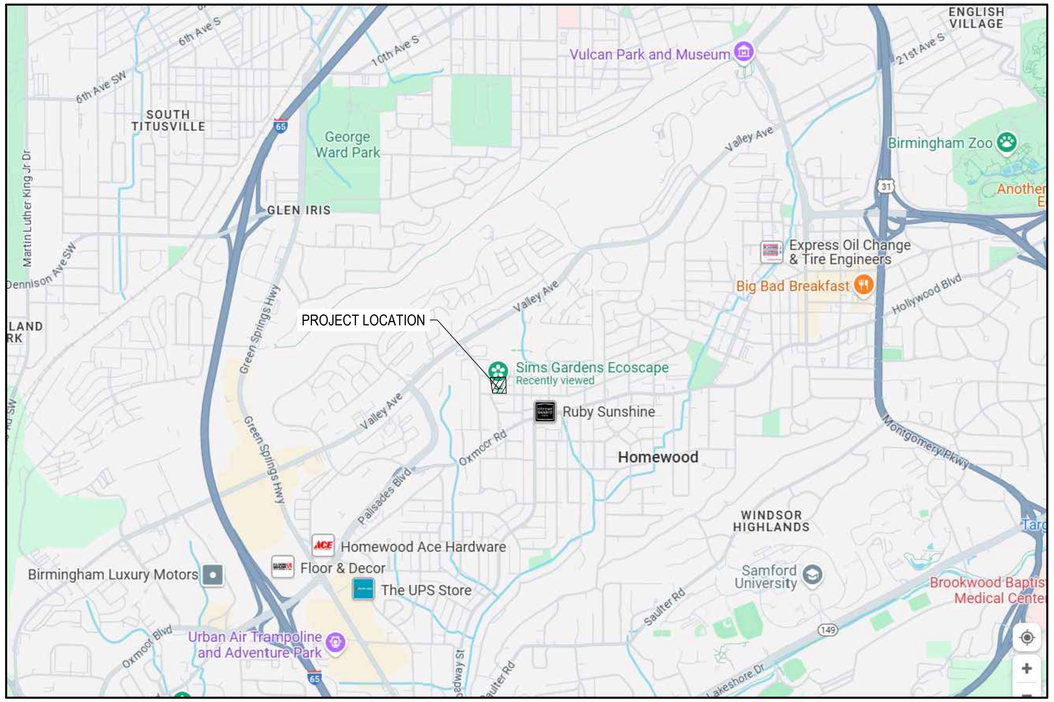
SITE DEVELOPMENT PLANS

FOR

MISS SIMS GARDEN

908 HIGHLAND ROAD

HOMEWOOD, AL



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PROJECT NUMBER: 24012

REVISIONS

PROJECT NAME: MISS SIMS GARDEN
908 HIGHLAND ROAD
HOMEWOOD, AL

SHEET TITLE: COVER SHEET

DATE: NOV 14, 2025

SHEET NO. C0.0

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PROJECT NUMBER: 24012

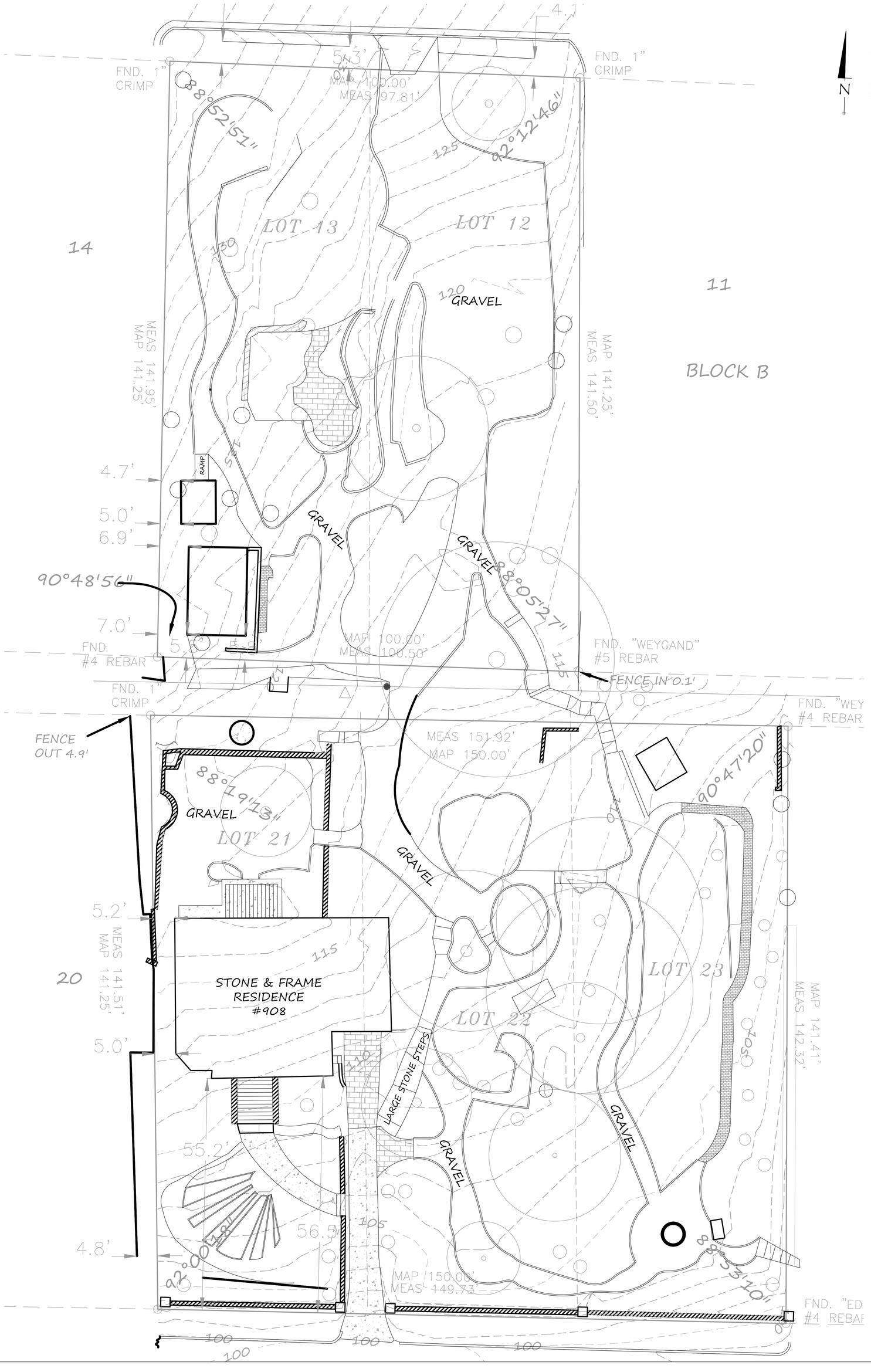
REVISIONS

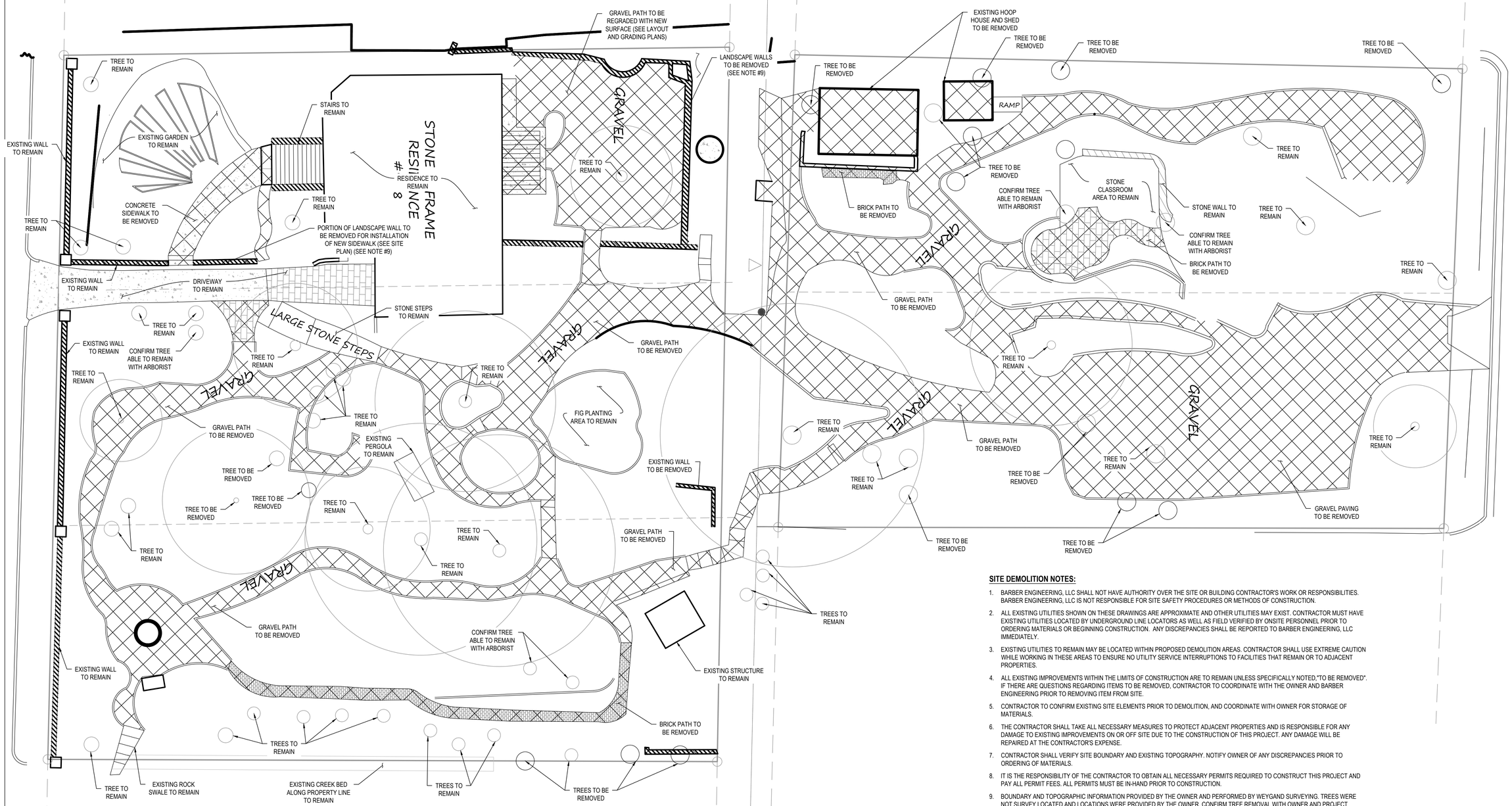
PROJECT NAME:
MISS SIMS GARDEN
HOMEWOOD, AL

SHEET TITLE:
EXISTING CONDITIONS
WEYGAND SURVEY
DATED MAY 14, 2019.
ORDER NO. 2705

DATE:

SHEET NO.
V1.0





SITE DEMOLITION NOTES:

1. BARBER ENGINEERING, LLC SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. BARBER ENGINEERING, LLC IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
2. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ONSITE PERSONNEL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO BARBER ENGINEERING, LLC IMMEDIATELY.
3. EXISTING UTILITIES TO REMAIN MAY BE LOCATED WITHIN PROPOSED DEMOLITION AREAS. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THESE AREAS TO ENSURE NO UTILITY SERVICE INTERRUPTIONS TO FACILITIES THAT REMAIN OR TO ADJACENT PROPERTIES.
4. ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS SPECIFICALLY NOTED,"TO BE REMOVED". IF THERE ARE QUESTIONS REGARDING ITEMS TO BE REMOVED, CONTRACTOR TO COORDINATE WITH THE OWNER AND BARBER ENGINEERING PRIOR TO REMOVING ITEM FROM SITE.
5. CONTRACTOR TO CONFIRM EXISTING SITE ELEMENTS PRIOR TO DEMOLITION, AND COORDINATE WITH OWNER FOR STORAGE OF MATERIALS.
6. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY OWNER OF ANY DISCREPANCIES PRIOR TO ORDERING OF MATERIALS.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
9. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY THE OWNER AND PERFORMED BY WEYGAND SURVEYING. TREES WERE NOT SURVEY LOCATED AND LOCATIONS WERE PROVIDED BY THE OWNER. CONFIRM TREE REMOVAL WITH OWNER AND PROJECT ARBORIST PRIOR TO DEMOLITION.
10. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION REGARDING ITEMS TO BE SALVAGED, RECYCLED, AND REUSED. CONTRACTOR SHALL REMOVE ITEMS TO BE SALVAGED WITH EXTREME CAUTION TO PREVENT DAMAGE. CONTRACTOR SHALL TURN ALL SALVAGED ITEMS OVER TO OWNER. CONTRACTOR IS ENCOURAGE TO USE EXISTING STONE ONSITE FOR PROPOSED LANDSCAPE FEATURES, LANDSCAPE WALLS, ETC. CONTRACTOR TO COORDINATE REUSE OF EXISTING MATERIAL WITH OWNER.
11. REFER TO SITE GRADING AND UTILITY PLANS FOR PROPOSED DRAINAGE INSTALLATION.
12. REFER TO LAYOUT PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVING, CURB, SIDEWALKS, HARDSCAPES, ETC.
13. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE TRANSPORTED AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
14. ALL EXISTING PAVING, CURBS, HARDSCAPE, ETC. SHALL BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING AT EDGE SHALL BE MILLED BACK A MINIMUM OF 8" TO ENSURE SMOOTH TRANSITION.
15. CONFIRM REMOVAL OF ALL TREES WITH PROJECT ARBORIST AND OWNER PRIOR TO REMOVAL.

N

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

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PROJECT NUMBER: 24012

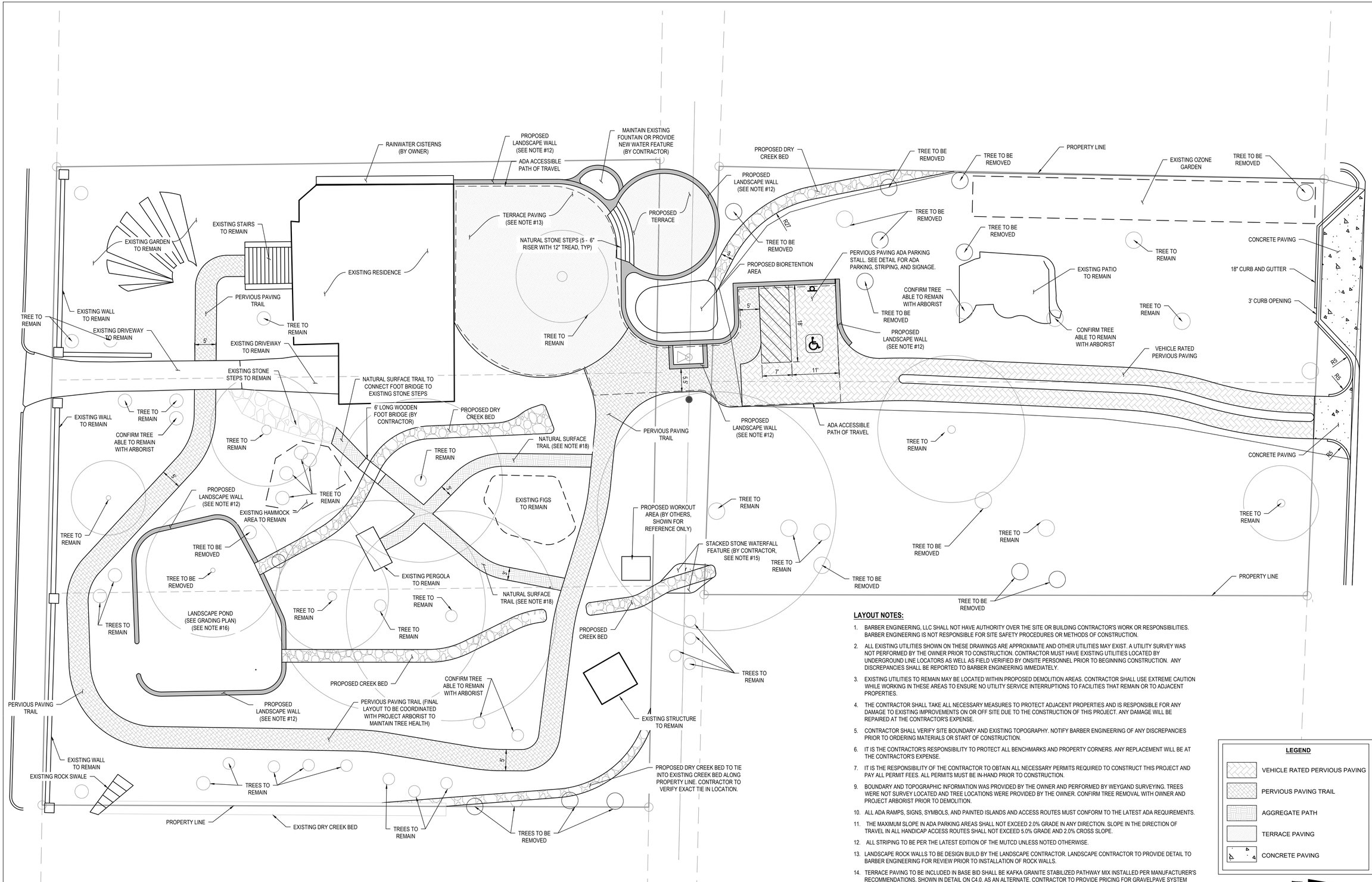
REVISIONS

PROJECT NAME:
MISS SIMS GARDEN
HOMEWOOD, AL

SHEET TITLE:
DEMOLITION PLAN

DATE:
NOV 14, 2025

SHEET NO.
C1.0



LAYOUT NOTES:

1. BARBER ENGINEERING, LLC SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. BARBER ENGINEERING IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
2. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. A UTILITY SURVEY WAS NOT PERFORMED BY THE OWNER PRIOR TO CONSTRUCTION. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ONSITE PERSONNEL PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO BARBER ENGINEERING IMMEDIATELY.
3. EXISTING UTILITIES TO REMAIN MAY BE LOCATED WITHIN PROPOSED DEMOLITION AREAS. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THESE AREAS TO ENSURE NO UTILITY SERVICE INTERRUPTIONS TO FACILITIES THAT REMAIN OR TO ADJACENT PROPERTIES.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY BARBER ENGINEERING OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR START OF CONSTRUCTION.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
9. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PROVIDED BY THE OWNER AND PERFORMED BY WEYGAND SURVEYING. TREES WERE NOT SURVEY LOCATED AND TREE LOCATIONS WERE PROVIDED BY THE OWNER. CONFIRM TREE REMOVAL WITH OWNER AND PROJECT ARBORIST PRIOR TO DEMOLITION.
10. ALL ADA RAMPS, SIGNS, SYMBOLS, AND PAINTED ISLANDS AND ACCESS ROUTES MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
11. THE MAXIMUM SLOPE IN ADA PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
12. ALL STRIPING TO BE PER THE LATEST EDITION OF THE MUTCD UNLESS NOTED OTHERWISE.
13. LANDSCAPE ROCK WALLS TO BE DESIGN BUILD BY THE LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE DETAIL TO BARBER ENGINEERING FOR REVIEW PRIOR TO INSTALLATION OF ROCK WALLS.
14. TERRACE PAVING TO BE INCLUDED IN BASE BID SHALL BE KAFKA GRANITE STABILIZED PATHWAY MIX INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, SHOWN IN DETAIL ON C4.0. AS AN ALTERNATE, CONTRACTOR TO PROVIDE PRICING FOR GRAVELPAVE SYSTEM PER DETAIL SHOWN IN DETAIL ON C4.0.
15. TREE REMOVAL TO BE COORDINATED WITH OWNER AND PROJECT ARBORIST. TREE REMOVAL TO BE SUBJECT TO REQUIRED GRADING, REFER TO DEMOLITION PLAN FOR REFERENCE.
16. STACKED STONE WATERFALL FEATURE TO BE COORDINATED WITH OWNER. CONTRACTOR SHALL PROVIDE STONE WATER FEATURE USING EXISTING STEPPED GRADING AS A GUIDE FOR CREEK PATH.
17. LANDSCAPE POND TO INCLUDE PUMP FOR CIRCULATION OF WATER TO WATER FALL FEATURE. WATER FEATURE AND PUMP DESIGN TO BE PROVIDED BY LANDSCAPE CONTRACTOR. POND REQUIRED TO MAINTAIN MINIMUM VOLUME AS PROVIDED IN GRADING PLANS WITH MAXIMUM CONSTANT POOL ELEVATION OF 103.15'. LANDSCAPE POND TO BE LINED WITH NON-WOVEN GEOTEXTILE UNDERLAYMENT BELOW LAYER OF EPDM POND LINER.
18. NATURAL SURFACE TRAIL TO INCLUDE REMOVAL OF EXISTING PLANTS AND TOPSOIL TO EXPOSE FIRM SURFACE. CONTRACTOR TO COMPACT NATURAL SURFACE WITH VIBRATORY PLATE COMPACTOR. CONTRACTOR TO RELOCATE EXISTING STEPPING STONES FROM OTHER LOCATIONS ONSITE TO CREATE STONE STEPPING PATH AT THE DIRECTION OF THE OWNER. CONTRACTOR TO PROVIDE BID OPTION TO INCLUDE WOOD CHIP MULCH ALONG NATURAL SURFACE TRAIL.

LEGEND

- VEHICLE RATED PERVIOUS PAVING
- PERVIOUS PAVING TRAIL
- AGGREGATE PATH
- TERRACE PAVING
- CONCRETE PAVING

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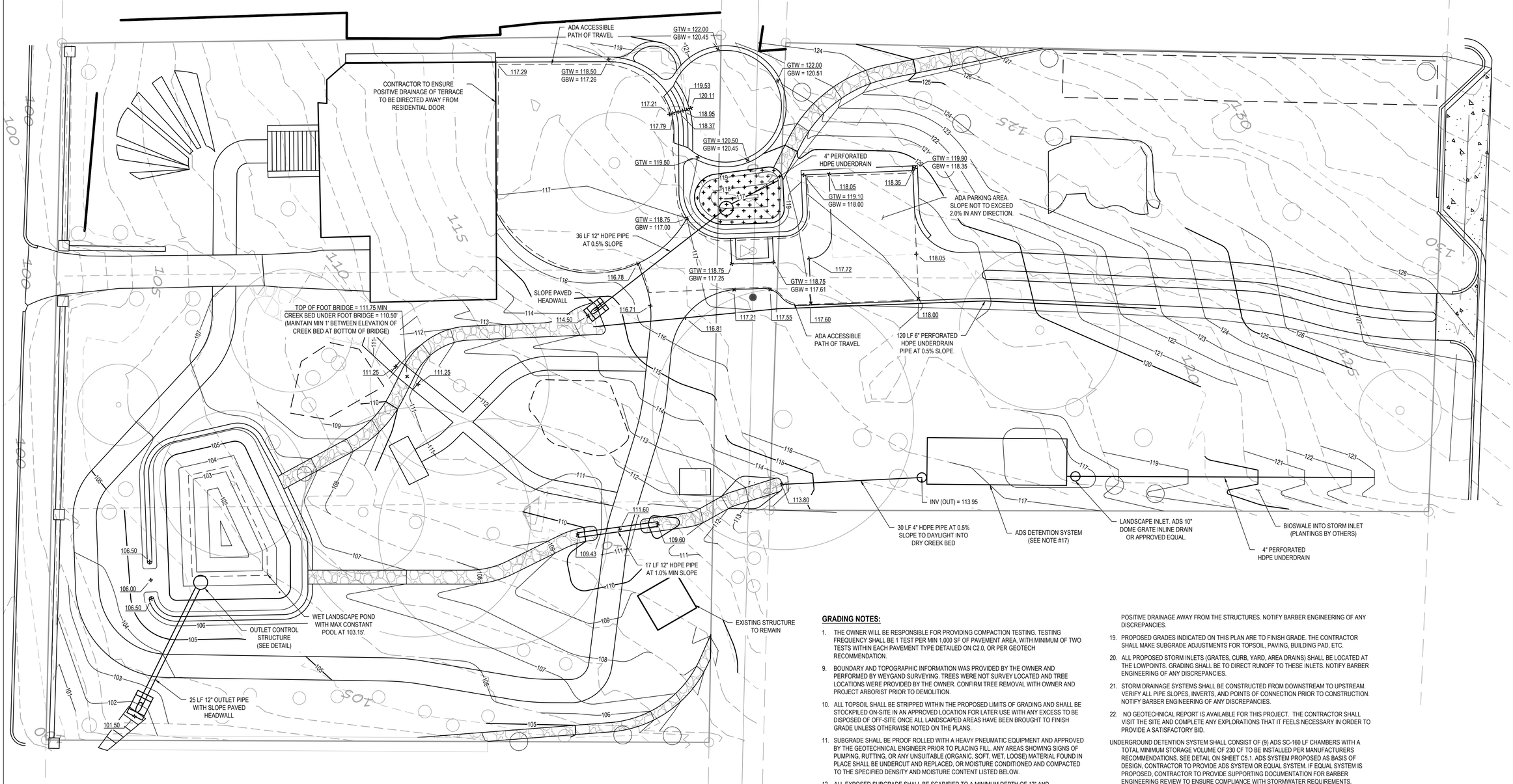
PROJECT NAME:
MISS SIMS GARDEN
HOMEWOOD, AL

SHEET TITLE:
SITE LAYOUT PLAN

DATE:
NOV 14, 2025

SHEET NO.
C2.0



THE FOLLOWING PROPOSED STORMWATER BMP'S ARE DESIGNED TO TREAT STORMWATER RUNOFF FOR THE FIRST FLUSH WATER QUALITY VOLUME, CALCULATED BASED ON A REQUIRED WATER QUALITY VOLUME RAIN EVENT OF 1.1 INCHES. THE WATER QUALITY VOLUME REQUIRED (VR) IS BASED ON THE CONTRIBUTING DRAINAGE AREA (DA) TO EACH BMP. THE WATER QUALITY VOLUME PROVIDED (VP) IS THE STORAGE CAPACITY OF THE BMP AS DESIGNED.

BIORETENTION AREA:
- DA = 0.20 AC
- VR = 399.30 CF MIN
- VP = 481.50 CF

BIOSWALE:
- DA = 0.05 AC
- VR = 47.96 CF MIN
- VP = 126.75 CF

TERRACE PAVING:
- DA = .06 AC
- VR = 114.58 CF MIN
- VP = 208.80 CF

VEHICLE RATED PERMEABLE PAVERS:
- DA = 0.18 AC
- TOTAL AREA OF PAVERS = 1712 SF
- AREA OF PAVERS LESS THAN 4.0% SLOPE = 535 SF
- VR = 124.60 CF MIN
- VP = 166.00 CF*

PEDESTRIAN RATED PERMEABLE PAVERS:
- DA = 0.11 AC
- TOTAL AREA OF PAVERS = 1506 SF
- AREA OF PAVERS LESS THAN 4.0% SLOPE = 830 SF
- VR = 100.35 CF MIN
- VP = 107.00 CF*

*PERMEABLE PAVER VOLUME PROVIDED IS CALCULATED BASED ON AREA OF PAVERS DESIGNED AT LESS THAN 4.0% SLOPE. PAVER AREAS WITH SLOPE GREATER THAN 4.0% HAVE POTENTIAL TO PROVIDE ADDITIONAL STORAGE VOLUME, BUT ARE NOT INCLUDED IN CALCULATIONS DUE TO GRADING CONSTRAINTS.

TYPICAL WATER QUALITY TREATMENT VOLUME REQUIREMENTS ARE BASED ON THE TOTAL INCREASE IN IMPERVIOUS AREA FROM THE EXISTING CONDITION. THE PROPOSED PLAN FOR MISS SIMS GARDEN PROVIDES A DECREASE IN TOTAL IMPERVIOUS AREA FROM THE EXISTING CONDITION. HOWEVER, ONE OF THE MAJOR GOALS FOR THE PROJECT IS TO PROVIDE WATER QUALITY MEETING CALCULATIONS FOR THE PROPOSED DEVELOPMENT. AS SUCH, THE CONTRACTOR IS REQUIRED TO INSTALL PROPOSED BMP'S PER THE PLAN AND DETAILS TO ENSURE THAT WATER QUALITY TREATMENT VOLUMES ARE MET.

PRE CONDITION: 0.844 AC
- IMPERVIOUS: 0.112 AC
- GRAVEL: 0.219 AC
- PERVIOUS: 0.513 AC

POST CONDITION: 0.844 AC
- IMPERVIOUS: 0.078 AC
- GRAVEL: 0.044 AC
- PERVIOUS PAVING: 0.128 AC
- PERVIOUS: 0.594 AC

WATER QUALITY VOLUME REQUIRED BASED ON POST CONDITION:
- VR = 1031 CF MIN
- VP = 1090 CF

UNDERGROUND DETENTION SYSTEM, WET POND, AND CREEK BEDS PROVIDE STORMWATER DETENTION AND STORMWATER CONVEYANCE. THESE BMP'S MAY ALSO PROVIDE ADDITIONAL WATER QUALITY TREATMENT VOLUMES, BUT THEIR PRIMARY FUNCTIONS ARE FOR STORMWATER DETENTION AND CONVEYANCE.

DRAINAGE CALCULATIONS

STORM FREQUENCY	PRE-DEVELOPMENT RUNOFF (CFS)	POST-DEVELOPMENT RUNOFF (CFS)	NET RUNOFF (CFS)
2 YEAR	1.538	1.309	- 0.229
5 YEAR	2.242	1.975	- 0.267
10 YEAR	2.934	2.639	- 0.295
25 YEAR	4.064	3.736	- 0.328
50 YEAR	5.056	4.709	- 0.347
100 YEAR	6.148	5.787	- 0.361

GRADING NOTES:

1. THE OWNER WILL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING. TESTING FREQUENCY SHALL BE 1 TEST PER MIN 1,000 SF OF PAVEMENT AREA, WITH MINIMUM OF TWO TESTS WITHIN EACH PAVEMENT TYPE DETAILED ON C2.0, OR PER GEOTECH RECOMMENDATION.
9. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PROVIDED BY THE OWNER AND PERFORMED BY WEYGAND SURVEYING. TREES WERE NOT SURVEY LOCATED AND TREE LOCATIONS WERE PROVIDED BY THE OWNER. CONFIRM TREE REMOVAL WITH OWNER AND PROJECT ARBORIST PRIOR TO DEMOLITION.
10. ALL TOPSOIL SHALL BE STRIPPED WITHIN THE PROPOSED LIMITS OF GRADING AND SHALL BE STOCKPILED ON-SITE IN AN APPROVED LOCATION FOR LATER USE WITH ANY EXCESS TO BE DISPOSED OF OFF-SITE ONCE ALL LANDSCAPED AREAS HAVE BEEN BROUGHT TO FINISH GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
11. SUBGRADE SHALL BE PROOF ROLLED WITH A HEAVY PNEUMATIC EQUIPMENT AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL. ANY AREAS SHOWING SIGNS OF PUMPING, RUTTING, OR ANY UNSUITABLE (ORGANIC, SOFT, WET, LOOSE) MATERIAL FOUND IN PLACE SHALL BE UNDERCUT AND REPLACED, OR MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW.
12. ALL EXPOSED SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RECOMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SUBGRADE AFTER IT HAS BEEN INITIALLY PREPPED DUE TO INCLEMENT WEATHER AND CONSTRUCTION TRAFFIC.
14. FILL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES: VIRTUALLY FREE OF ORGANICS, NO ROCK FRAGMENTS GREATER THAN 4" WITHIN 4' OF FINISH GRADE, LIQUID LIMIT NOT EXCEEDING 50, PLASTICITY INDEX NOT EXCEEDING 30, MINIMUM STANDARD PROCTOR (ASTM D-698) OF 100 PCF, COMPACTED 98% IN PAVED AND STRUCTURAL AREAS, 95% NON-STRUCTURAL AND LANDSCAPED AREAS, PLACED IN 8" LOOSE LIFTS, AND WITHIN ±2.0% OF OPTIMUM MOISTURE CONTENT. STRUCTURAL AREAS INCLUDE ZONES OF INFLUENCE AROUND THE BUILDING, PAVEMENT AREAS, FILL SLOPES, ETC.
15. NO GRADING OFF-SITE OR IN ANY ROAD RIGHT-OF-WAY WITHOUT PROPER APPROVALS AND PRIOR NOTIFICATION.
16. COORDINATE THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE EROSION CONTROL PLAN.
17. THE MAXIMUM SLOPE IN ADA PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL ADA ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
18. ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM THE STRUCTURES AT A MINIMUM OF 1.0% GRADE. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURES. NOTIFY BARBER ENGINEERING OF ANY DISCREPANCIES.
19. PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE SUBGRADE ADJUSTMENTS FOR TOPSOIL, PAVING, BUILDING PAD, ETC.
20. ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) SHALL BE LOCATED AT THE LOWPOINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY BARBER ENGINEERING OF ANY DISCREPANCIES.
21. STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY BARBER ENGINEERING OF ANY DISCREPANCIES.
22. NO GEOTECHNICAL REPORT IS AVAILABLE FOR THIS PROJECT. THE CONTRACTOR SHALL VISIT THE SITE AND COMPLETE ANY EXPLORATIONS THAT IT FEELS NECESSARY IN ORDER TO PROVIDE A SATISFACTORY BID.

UNDERGROUND DETENTION SYSTEM SHALL CONSIST OF (9) ADS SC-160 LF CHAMBERS WITH A TOTAL MINIMUM STORAGE VOLUME OF 230 CF TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON SHEET C5.1. ADS SYSTEM PROPOSED AS BASIS OF DESIGN, CONTRACTOR TO PROVIDE ADS SYSTEM OR EQUAL SYSTEM. IF EQUAL SYSTEM IS PROPOSED, CONTRACTOR TO PROVIDE SUPPORTING DOCUMENTATION FOR BARBER ENGINEERING REVIEW TO ENSURE COMPLIANCE WITH STORMWATER REQUIREMENTS. BARBER ENGINEERING TO APPROVE EQUAL SYSTEM PRIOR TO PURCHASE OF MATERIALS.

23. PROPOSED WATER FEATURE TO BE DESIGN BUILD BY THE CONTRACTOR.
24. CONTOURS FOLLOW DRY CREEK BED. SPOT ELEVATIONS FOLLOW PEDESTRIAN FOOTBRIDGE. PEDESTRIAN FOOTBRIDGE TO BE MINIMUM OF 1' HIGHER THAN BOTTOM OF DRY CREEK BED ELEVATION.

LANDSCAPE WALL NOTES:

25. LANDSCAPE RETAINING WALLS SHALL BE A TOTAL DESIGN BUILD BY THE CONTRACTOR. THE CONTRACTOR'S WALL DESIGNER/INSTALLER SHALL HAVE AT LEAST 10 YEARS OF EXPERIENCE IN THE DESIGN AND INSTALLATION OF SEGMENTAL/LANDSCAPE RETAINING WALLS.
26. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, INCLUDING WALL DETAILS AND DESIGN PARAMETERS, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALABAMA.
27. CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A GEOTECHNICAL ENGINEER TO PERFORM SITE EXPLORATION TO GATHER INFORMATION CONCERNING SUBSURFACE SOILS TO BE USED IN THE DESIGN OF THE WALL. AT A MINIMUM, THE GEOTECHNICAL ENGINEER SHALL PROVIDE SOIL CONDITIONS AND SOIL STRENGTH PARAMETERS NECESSARY FOR WALL DESIGN AND EVALUATION AND SHALL INCLUDE THE SUITABILITY OF THE ONSITE SOILS FOR USE IN THE FOUNDATION, RETAINED AND REINFORCED ZONE OF THE WALL.

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
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PROJECT NUMBER: 24012

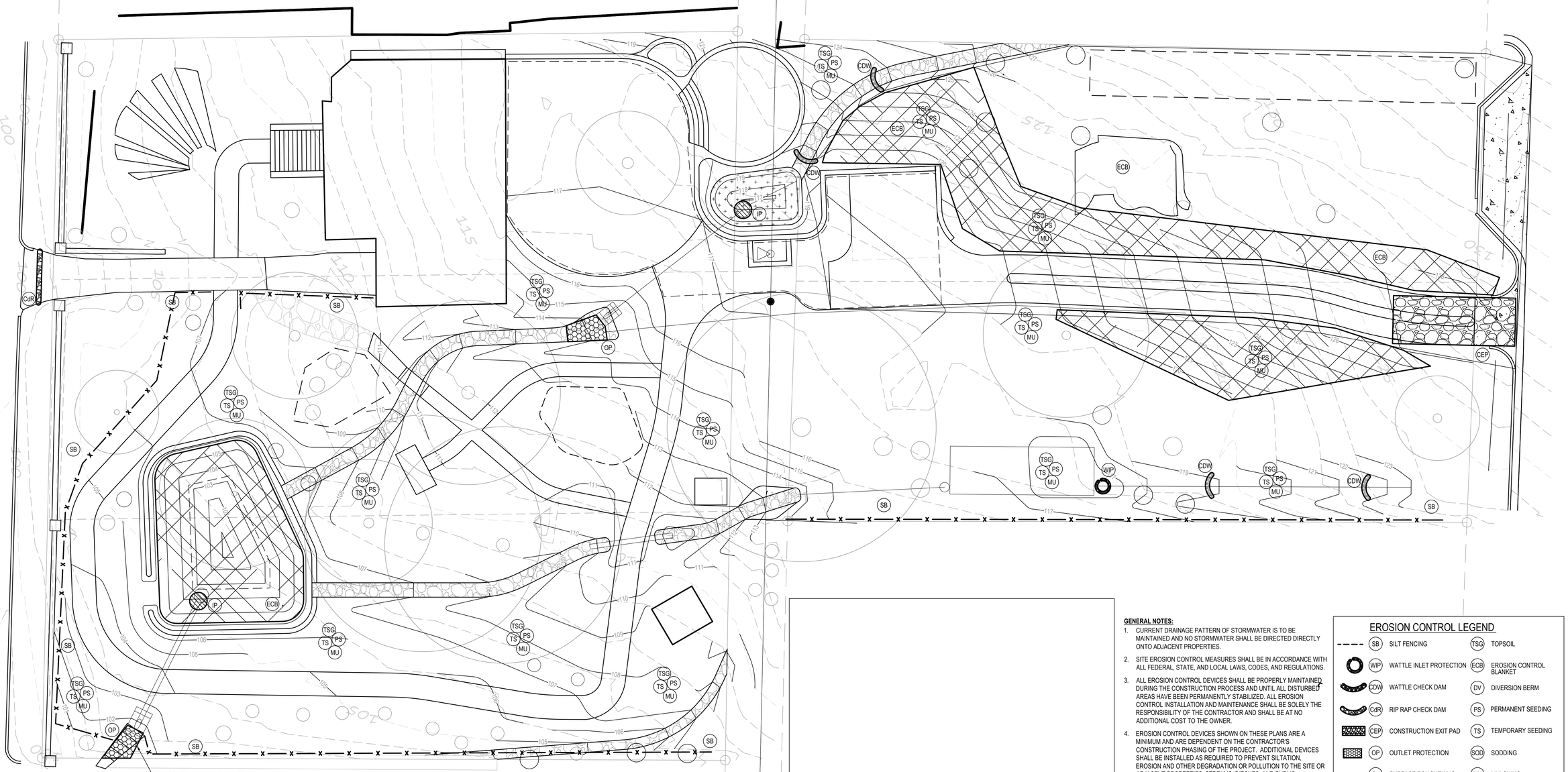
REVISIONS

PROJECT NAME:
MISS SIMS GARDEN
HOMEWOOD, AL

SHEET TITLE:
GRADING PLAN

DATE:
NOV 14, 2025

SHEET NO.
C3.0



TREE PROTECTION DETAIL

NTS

GENERAL NOTES:

1. CURRENT DRAINAGE PATTERN OF STORMWATER IS TO BE MAINTAINED AND NO STORMWATER SHALL BE DIRECTED DIRECTLY ONTO ADJACENT PROPERTIES.
2. SITE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
3. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING THE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
4. EROSION CONTROL DEVICES SHOWN ON THESE PLANS ARE A MINIMUM AND ARE DEPENDENT ON THE CONTRACTOR'S CONSTRUCTION PHASING OF THE PROJECT. ADDITIONAL DEVICES SHALL BE INSTALLED AS REQUIRED TO PREVENT SILTATION, EROSION AND OTHER DEGRADATION OR POLLUTION TO THE SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, AND PUBLIC ROADWAYS. ADDITIONAL MEASURES MAY INCLUDE, AS MINIMUM, TEMPORARY SEDIMENT BASINS, CONSTRUCTION EXITS PAD, VEHICLE WASH RACKS, SILT FENCING, STRAW AND RIP RAP CHECK DAMS, DIVERSION DITCHES, ETC. THESE ADDITIONAL MEASURES SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
5. A GRAVELED ACCESS DRIVE OF SUFFICIENT SIZE SHALL BE AT EACH SITE ENTRANCE/EXIT TO PREVENT TRACKING OF DIRT AND SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. IF SEDIMENT REACHES THE ROADWAY, THEN IT MUST BE CLEANED AT THE END OF EACH WORKDAY.
6. ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN 13 DAYS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH ALDOT SPECIFICATIONS SECTION 652 AND 656.
7. PROVIDE TREE PROTECTION FOR ALL TREES TO REMAIN PER DETAIL ON THIS SHEET.

EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
CdR	RIP RAP CHECK DAM	PS	PERMANENT SEEDING
CEP	CONSTRUCTION EXIT PAD	TS	TEMPORARY SEEDING
OP	OUTLET PROTECTION	SOD	SODDING
Su	SURFACE ROUGHENING	MU	MULCHING

N

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EROSION CONTROL PLAN

DATE:
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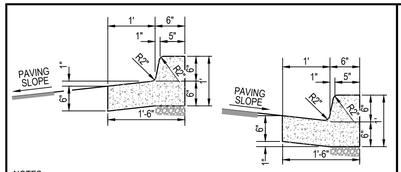
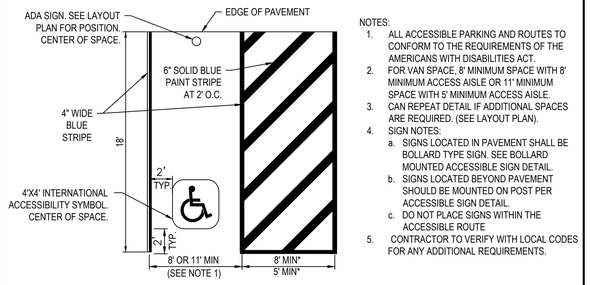


NOTES:
1. SLOPE GUTTER AS SHOWN ACCORDING TO PAVING SLOPE. THIS SLOPE SHALL NOT EXCEED 5% TO COMPLY WITH ADA REQUIREMENTS AT ANY HANDICAP RAMP.
2. PROVIDE EXPANSION JOINTS WITH PREFORMED JOINT FILLER MATERIAL CUT TO MATCH SHAPE OF CURB AND GUTTER OF AT LEAST 1/2 INCH IN WIDTH AT INTERVALS NOT LESS THAN 30' NOR GREATER THAN 100' AND AT P.C.'S AND P.T.'S OF ALL CURVES, AT STRUCTURES (CURB INLETS, WHEELCHAIR RAMPS, ETC.).
3. SAWCUT 3/16" JOINTS AT SPACING NOT LESS THAN 5' AND NOT TO EXCEED 15' JOINT DEPTH SHALL BE 1/4 DEPTH OF CURB/GUTTER. JOINT TO BE PERPENDICULAR TO THE RUN OF THE CURB AND GUTTER.
4. IF ADJACENT TO CONCRETE PAVING SIDEWALK LINE UP JOINTS WITH ADJACENT CONCRETE JOINTS.
5. 3,500 PSI CONCRETE UNLESS STATED OTHERWISE.
6. PROVIDE 6" CRUSHED STONE BASE UNDER ALL CURBS AND GUTTERS.
7. VERIFY SHAPE OF CURB TO MATCH ANY EXISTING CONDITIONS OR LOCAL STANDARDS.

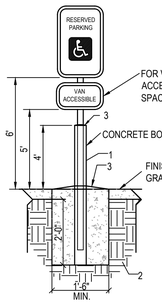
18" CURB & GUTTER
N.T.S.



* 8' VAN ACCESSIBLE SPACE SHOWN. SEE NOTE 2.

NOTES:
1. ALL ACCESSIBLE PARKING AND ROUTES TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
2. FOR VAN SPACE, 8' MINIMUM SPACE WITH 8' MINIMUM ACCESS AISLE OR 11' MINIMUM SPACE WITH 5' MINIMUM ACCESS AISLE.
3. CAN REPEAT DETAIL IF ADDITIONAL SPACES ARE REQUIRED. (SEE LAYOUT PLAN).
4. SIGN NOTES:
   a. SIGNS LOCATED IN PAVEMENT SHALL BE BOLLARD TYPE SIGN. SEE BOLLARD MOUNTED ACCESSIBLE SIGN DETAIL.
   b. SIGNS LOCATED BEYOND PAVEMENT SHOULD BE MOUNTED ON POST PER ACCESSIBLE SIGN DETAIL.
   c. DO NOT PLACE SIGNS WITHIN THE ACCESSIBLE ROUTE
5. CONTRACTOR TO VERIFY WITH LOCAL CODES FOR ANY ADDITIONAL REQUIREMENTS.

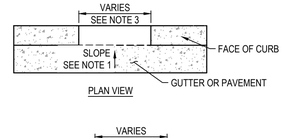
ACCESSIBLE PARKING
N.T.S.



NOTES:
1. ADA ACCESSIBLE PARKING SIGN SHALL CONFORM TO ALL GOVERNING REGULATIONS.
2. ADA ACCESSIBLE SIGN SHALL BE 12" x 18"x 0.08", FASTENED WITH TWO EACH 3/8" CADIUM BOLTS, NUTS AND WASHERS.
3. POST SHALL BE 1.75" x 3-1/2" HEAVY DUTY GALVANIZED.
4. SIGNS SHALL BE A MINIMUM OF 60" ABOVE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

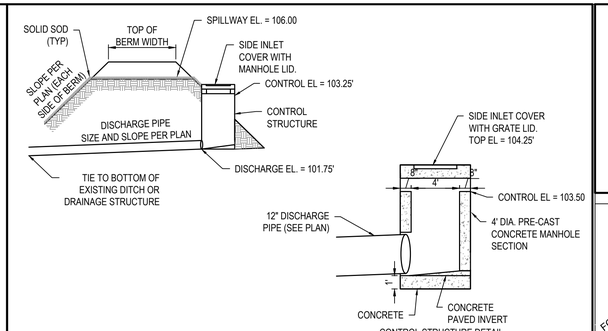
KEYED NOTES:
1. FORM. 6"Ø STANDARD STL. PIPE CONCRETE FILLED AT ALL ACCESSIBLE SIGN LOCATIONS. PROVIDE 1/4" WELDED CLOSURE PLATE AT BOTTOM. PAINT EXPOSED PIPE YELLOW.
2. SOLID UNDISTURBED SOIL.
3. PROVIDED PITCH, SMOOTH CONCRETE FINISH.

BOLLARD MOUNTED ADA ACCESSIBLE SIGN
N.T.S.

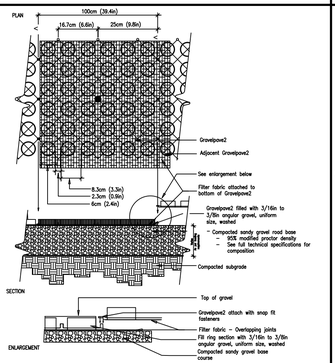


NOTES:
1. SLOPE GUTTER AND/OR PAVEMENT IN THE DIRECTION OF FLOW THROUGH THE CURB CUT.
2. SEE CURB/CURB AND GUTTER DETAIL FOR CURB INFORMATION INCLUDING STRENGTH AND SECTION INFORMATION.
3. COORDINATE WIDTH OF OPENING WITH SITE PLANS.
4. PROVIDE FLUME/ROCK/SOD AT OPENING FOR STABILIZATION UPON COMPLETION OF CONSTRUCTION

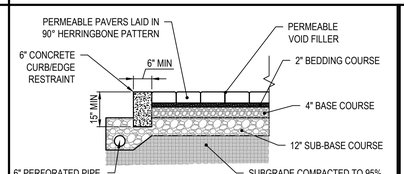
CURB OPENING
N.T.S.



OUTLET CONTROL STRUCTURE
N.T.S.

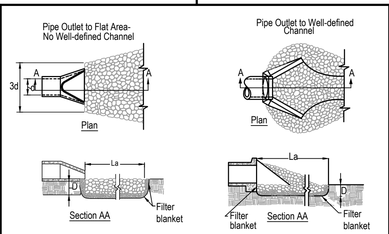


TERRACE PAVING - GRAVELPAVE2
N.T.S.



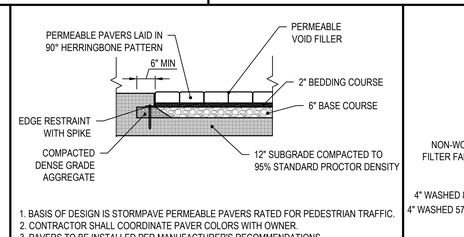
1. BASIS OF DESIGN IS HD STORMPAVE PERMEABLE PAVERS RATED FOR VEHICLE TRAFFIC.
2. CONTRACTOR SHALL COORDINATE PAVER COLORS WITH OWNER.
3. PAVERS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
4. BEDDING COURSE IS TO CONSIST OF OPEN-GRADED WASHED AGGREGATE COMPRISED OF SMALL PARTICLE SIZED CRUSHED STONE CHIPS (⅛" TO ⅜" TYP).
5. BASE COURSE IS TO CONSIST OF OPEN-GRADED WASHED AGGREGATE COMPRISED OF SMALL TO MEDIUM PARTICLE SIZED CRUSHED STONE (⅛" TO 1" TYP).
6. SUB-BASE COURSE TO CONSIST OF OPEN-GRADED WASHED AGGREGATE OF LARGE PARTICLE-SIZED CRUSHED SOTNE (2 ½" TO 3" TYP).
7. VOID FILLER TO BE OPEN-GRADED AGGREGATE COMPRISED OF SMALL PARTICLE SIZED CRUSHED CHIPS (⅛" TO ½" PREFERRED).

TRAFFIC RATED PERMEABLE PAVERS
N.T.S.



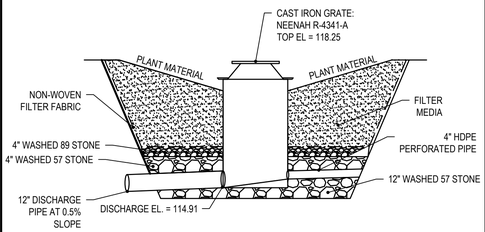
SPECIAL NOTES
1. RIP RAP DISCHARGE APRON SHALL BE INSTALLED AT A ZERO SLOPE
2. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
3. DEPTH OF APRON SHALL BE NO LESS THAN 6"
4. FOR DETERMINING APRON LENGTH, WIDTH, AND MEDIAN STONE SIZE, REFER TO FIGURES OP-2 AND OP-3 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.
5. THE GRADATION OF RIPRAP SHALL BE PER TABLES OP-2 AND OP-3 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.

OP **OUTLET PROTECTION**
N.T.S.



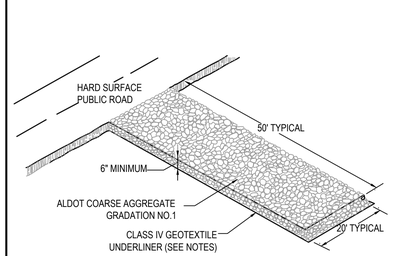
1. BASIS OF DESIGN IS STORMPAVE PERMEABLE PAVERS RATED FOR PEDESTRIAN TRAFFIC.
2. CONTRACTOR SHALL COORDINATE PAVER COLORS WITH OWNER.
3. PAVERS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
4. BEDDING COURSE IS TO CONSIST OF OPEN-GRADED WASHED AGGREGATE COMPRISED OF SMALL PARTICLE SIZED CRUSHED STONE CHIPS (⅛" TO ⅜" TYP).
5. BASE COURSE IS TO CONSIST OF OPEN-GRADED WASHED AGGREGATE COMPRISED OF SMALL TO MEDIUM PARTICLE SIZED CRUSHED STONE (⅛" TO 1" TYP).
6. SUB-BASE COURSE TO CONSIST OF OPEN-GRADED WASHED AGGREGATE OF LARGE PARTICLE-SIZED CRUSHED SOTNE (2 ½" TO 3" TYP).
7. VOID FILLER TO BE OPEN-GRADED AGGREGATE COMPRISED OF SMALL PARTICLE SIZED CRUSHED CHIPS (⅛" TO ½" PREFERRED).

PERMEABLE PAVING TRAIL
N.T.S.

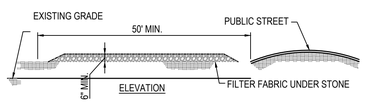


FILTER MEDIA TO CONSIST OF 70%-85% SAND, 10%-20% SILT AND CLAY (NO MORE THAN 10% CLAY), AND 5%-10% ORGANIC MATTER.

BIORETENTION SECTION
N.T.S.



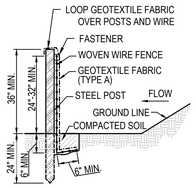
PLAN



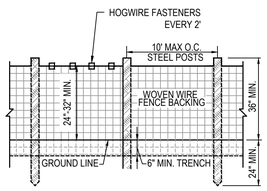
SPECIAL NOTES :

1. A STABILIZED PAD OF CRUSHED STONE SPREAD OVER FILTER FABRIC SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC STREET. THE STONE SHALL BE ALDOT GRADATION NO. 1 STONE, FILTER FABRIC SHALL BE NONWOVEN GEOTEXTILE CLASS IV OR EQUAL.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
3. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY BY STREET CLEANING (NOT FLUSHING). WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
4. IF THE PAD SLOPE TOWARDS THE ROAD EXCEEDS 2%, A DIVERSION RIDGE 6" - 8" HIGH WITH 3:1 SIDE SLOPES MUST BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15' AWAY FROM THE ROAD AND DRAIN INTO A SEDIMENT TRAP OR BASIN.

CEP **CONSTRUCTION EXIT PAD**
N.T.S.



SIDE VIEW



FRONT VIEW

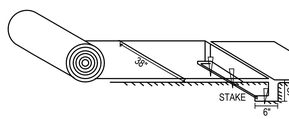
SPECIAL NOTES:
1. SILT FENCE FABRIC SHALL BE PER TABLE SB-1 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.
2. USE D.O.T. APPROVED WOVEN WIRE FENCE.
3. USE 5' MIN. STEEL POSTS (1.3 LB/FT MIN.).

NOTES:
1. THE WOVEN WIRE FENCING SHALL BE FASTENED TO THE UPSTREAM SIDE OF POSTS BY STAPLES OF WIRE TIES.
2. GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO THE WOVEN WIRE FENCING.

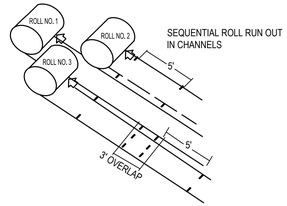
MAINTENANCE SCHEDULE:
REMOVE SEDIMENT DEPOSITS WHEN THEY REACH A DEPTH OF 15" OR 1/2 THE HEIGHT OF THE FENCE AS INSTALLED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. SHOULD THE FABRIC OR SILT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

SB **SILT FENCE - TYPE A**
N.T.S.

ADEM



PICTORIAL VIEW OF TRANSVERSE SLOT

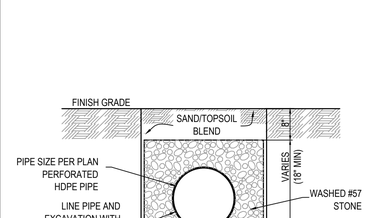


INSTALLATION:
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
4. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
5. USE 3" OVERLAP AND STAKE AT 5' INTERVALS ALONG SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
7. ANCHOR PRODUCTS SO THAT A CONTINUOUS, FIRM CONTACT (NO TENTING) WITH THE SOIL SURFACE/SEED BAD IS MAINTAINED.

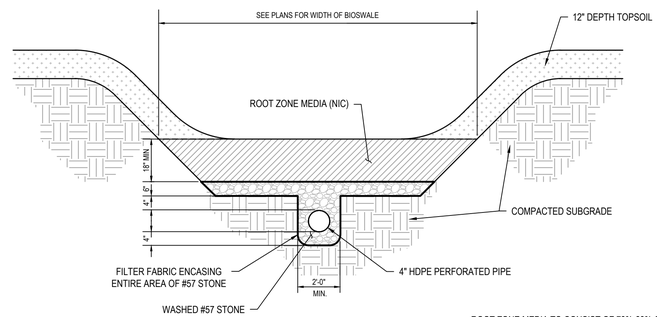
MAINTENANCE
INSPECT AFTER STORM EVENTS UNTIL VEGETATION IS ESTABLISHED FOR EROSION OR UNDERMINING BENEATH BLANKETS. IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET, ADD TAMPED SOIL AND RESEED; THEN RESECURE THE BLANKETS

IF BLANKETS SHOULD BECOME DISLOCATED OR DAMAGED, REPAIR OR REPLACE AND RESECURE IMMEDIATELY.

ECB **EROSION CONTROL BLANKET**
N.T.S.

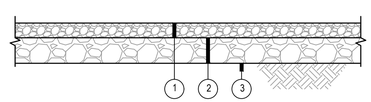


PIPE INSTALLATION DETAIL
N.T.S.



BIOSWALE
N.T.S.

ROOT ZONE MEDIA TO CONSIST OF 70%-80% COARSE SAND (ASTM C33 OR SIIMILAR, 1% FINES), 10%-20% TOPSOIL (SANDY LOAM, LOW CLAY, NO MORE THAN 10% CLAY), AND 10-20% COMPOST (WELL-AGED, LEAF-BASED, LOW PHOSPHORUS INDEX).



1. 3" COMPACTED STABILIZED PATHWAY MIX
2. 6" CRUSHED AGGREGATE BASE COURSE, TYPE B (ALDOT 825), COMPACTED
3. COMPACTED SUBGRADE - 98% STANDARD PROCTOR DENSITY ASTM D698.

TERRACE PAVING - KAFKA ORGANIC-LOCK STABILIZED PATHWAY MIX
N.T.S.

BARBER ENGINEERING
BARBER-ENGINEERING.COM
(256) 566-9749
5648 RIDGEVIEW DRIVE
TRUSSVILLE, AL 35173

FOR PRICING PURPOSES ONLY
NOT FOR CONSTRUCTION

PROJECT NUMBER: 24012

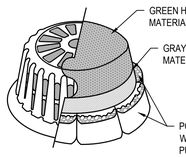
REVISIONS

PROJECT NAME:
MISS SIMS GARDEN
HOMEWOOD, AL

SHEET TITLE:
DETAILS

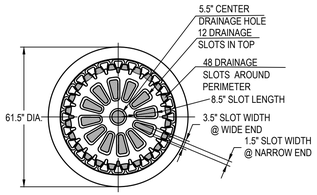
DATE:
NOV 14, 2025

SHEET NO.
C5.0

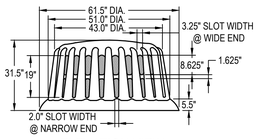


ISOMETRIC VIEW

SHOWN WITH ROADWAY PROJECTS FILTER HAT



PLAN VIEW



ELEVATION VIEW

REPLACEMENT FILTERS: MODEL # R-140

FRAME MATERIAL: BLACK 0.25" HMWPE

FILTER FABRIC MATERIAL: REFER TO SPEC

ROUND FRAME & FILTER ASSEMBLY MODEL # R-100A

FILTER OPTIONS

FILTER HAT IS AVAILABLE IN THREE OPTIONS:
1) ALL HIGH-FLOW MATERIAL
2) ALL HIGH-EFFICIENCY MATERIAL
3) HIGH-FLOW MATERIAL ON TOP HALF OF HAT, HIGH-EFFICIENCY MATERIAL ON BOTTOM HALF (THIS FILTER COVER IS RECOMMENDED FOR ALL ROADWAY PROJECTS.)

IT IS THE PURCHASERS RESPONSIBILITY TO PURCHASE APPROPRIATE FILTER HAT. PURCHASER SHALL PROVIDE ROCK FOR FILTER POCKETS.

FILTER HAT INSTALLATION

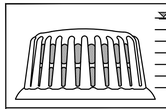
FILTER HAT SLIDES DIRECTLY OVER FILTER FRAME. TO KEEP FILTER FRAME IN PLACE OVER STORM STRUCTURE, ROCK POCKETS ARE SEWN DIRECTLY INTO FILTER HAT MATERIAL. EVERY FILTER HAT COMES IN ONE PIECE FOR EASY INSTALLATION.

MAINTENANCE

ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT R-100A DAILY FOR CUTS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.

SPECIFICATIONS

FILTER FABRIC SILT-SAVER HAT SHALL BE BASED ON DESIGN PROFESSIONAL'S SPECIFICATIONS.



FRAME & FILTER DISCHARGE ANALYSIS

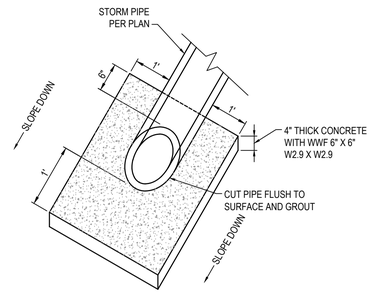
HEAD (FT)	EQUATION USED	OPENING AREA (SF)	FRAME FLOW (CFS)	FILTER AREA (SF)	FILTERED FLOW (CFS)
0.5	O	2.1	7	6	2
1.0	O	3.9	19	12	3
1.5	O	7.0	41	18	5
2.0	O	8.0	54	24	7
2.5	O	9.2	70	30	9
3.0	O	9.2	77	—	77

DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW, THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.

FILTER MATERIAL ALLOWS 129 gpm/SF OR 0.29cfs/SF
ORIFICE EQUATION (O) = Q=0.6A(2gh)^0.5
P = FEET PERIMETER
h = HEAD IN FEET
Q = CAPACITY IN cfs
A = FREE OPEN AREA OF FRAME
g = 32.2 FEET-PER-SECOND/SECOND

SILT SAVER (IP)

N.T.S.



SLOPE PAVED HEADWALL

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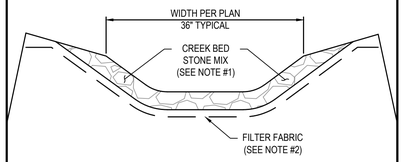
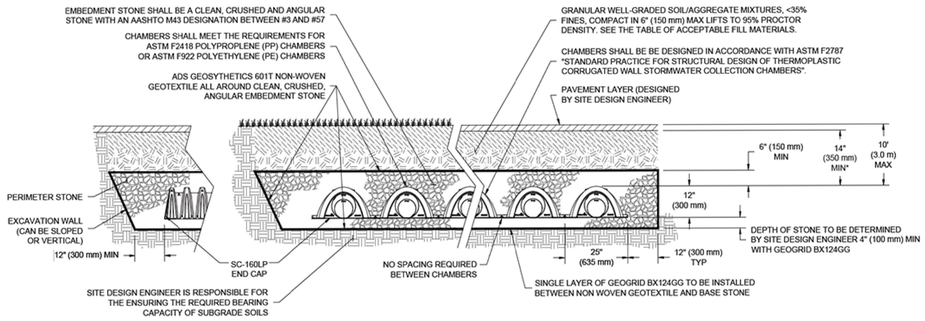


NOTES:
1. CREEK BED STONE MIX. BASIS OF DESIGN IS FLAT RIVER BED STONE MIX FROM ALABAMA WHOLESALE STONE. VERIFY FINAL STONE MIX AND COLOR WITH OWNER PRIOR TO PURCHASING MATERIALS.

2. NON-WOVEN FILTER FABRIC TO BE BURIED AT EDGES OF CREEK BED, INSTALLED WITH 6" LONG STAPLES AT EDGES, CENTERLINE OF CREEK BED, AND ALONG ALL JOINTS. STAPLES TO BE SPACED EVERY 6' MAX. FILTER FABRIC TO OVERLAP A MIN OF 18" AT ALL JOINT LOCATIONS.

CREEK BED DETAIL

N.T.S.



*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 20" (510 mm).

ADS UNDERGROUND DETENTION SYSTEM

N.T.S.

TABLE MU-1
MULCHING MATERIALS AND APPLICATION RATES

MATERIAL	RATE PER ACRE (PER 1,000 SQ.FT.	NOTES
STRAW WITH SEED	1 1/2 - 2 TONS (70 LBS - 90 LBS)	SPREAD BY HAND OR MACHINE TO ATTAIN 75% GROUNDCOVER; ANCHOR WHEN SUBJECT TO BLOWING.
STRAW ALONE (NO SEED)	2 1/2 - 3 TONS (115 LBS - 160 LBS)	SPREAD BY HAND OR MACHINE; ANCHOR WHEN SUBJECT TO BLOWING.
WOOD CHIPS	5-6 TONS (225 LBS - 270 LBS)	TREAT WITH 12 LBS. NITROGEN/TON.
BARK	35 CUBIC YARDS (0.8 CUBIC YARD)	CAN APPLY WITH MULCH BLOWER.
PINE STRAW	1-2 TONS (45 LBS - 90 LBS)	SPREAD BY HAND OR MACHINE; WILL NOT BLOW LIKE STRAW.
PEANUT HULLS	10-20 TON (450 LBS - 900 LBS)	WILL WASH OFF SLOPES. TREAT WITH 12 LBS. NITROGEN/TON.

TABLE TS-1
COMMONLY USED PLANTS FOR TEMPORARY COVER

SPECIES	SEEDING RATE PER AC PLS	NORTH	CENTRAL	SOUTH
MILLET, BROWNTOP, OR GERMAN	40 LBS	MAY 1 - AUG 1	APR 1 - AUG 15	APR 1 - AUG 15
RYE	3 BU	SEPT 1 - NOV 15	SEPT 15 - NOV 15	SEPT 15 - NOV 15
RYEGRASS	30 LBS	AUG 1 - SEPT 15	SEPT 1 - OCT 15	SEPT 1 - OCT 15
SORGHUM - SUDAN HYBRIDS	40 LBS	MAY 1 - AUG 1	APR 15 - AUG 1	APR 1 - AUG 15
SUNDANGRASS	40 LBS	MAY 1 - AUG 1	APR 15 - AUG 1	APR 1 - AUG 15
WHEAT	3 BU	SEPT 1 - NOV 1	SEPT 15 - NOV 15	SEPT 15 - NOV 15
COMMON BERMUDAGRASS	10 LBS	APR 1 - JULY 1	MAR 15 - JULY 15	MAR 1 - JULY 15
CRIMSON CLOVER	10 LBS	SEPT 1 - NOV 1	SEPT 1 - NOV 1	SEPT 1 - NOV 1

TABLE PS-1
COMMONLY USED PLANTS FOR PERMANENT COVER WITH SEEDING RATES AND DATES

SPECIES	SEEDING RATE PER AC PLS	NORTH	CENTRAL	SOUTH
BAHIAGRASS, PENSACOLA	40 LBS	--	MAR 1 - JULY 1	FEB 1 - NOV 1
BERMUDAGRASS, COMMON	10 LBS	APR 1 - JULY 1	MAR 15 - JULY 15	MAR 1 - JULY 15
BAHIAGRASS, PENSACOLA BERMUDAGRASS, COMMON	30 LBS 5 LBS	--	MAR 1 - JULY 1	MAR 1 - JULY 15
BERNUDAGRASS, HYBRID (LAWN TYPES)	SOLID SOD	ANYTIME	ANYTIME	ANYTIME
BERNUDAGRASS, HYBRID (LAWN TYPES)	SPRIGS 1/SQ FT	MAR 1 - AUG 1	MAR 1 - AUG 1	FEB 15 - SEPT 1
FESCUE, TALL	40 - 50 LBS	SEPT 1 - NOV 1	SEPT 1 - NOV 1	--
SERICEA	40 - 60 LBS	MAR 15 - JULY 15	MAR 1 - JULY 15	FEB 15 - JULY 15
SERICEA & COMMON BERMUDAGRASS	40 - 60 LBS 10 LBS	MAR 15 - JULY 15	MAR 1 - JULY 15	FEB 15 - JULY 15
SWITCHGRASS, ALAMO	4 LBS	APR 1 - JUN 15	MAR 15 - JUN 15	MAR 15 - JUN 15

PLS MEANS PURE LIVE SEED AND IS USED TO ADJUST SEEDING RATES. FOR EXAMPLE: TO PLANT 10 LBS PLS OF A SPECIES WITH GERMINATION OF 80% AND 10% INERT MATERIAL -> 10 LBS / 0.70 = 14.3 LBS.

NOTES:
1. ANY DISTURBED AREA SHALL, WITHIN FOURTEEN (14) DAYS OF STOPPING WORK, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, MATERIALS, DEVICES, AND/OR STRUCTURES SUFFICIENT TO RESTRAIN ALL FORMS OF EROSION, TO THE MAXIMUM EXTENT PRACTICABLE.
2. CONTRACTOR TO COORDINATE PERMANENT SEEDING WITH OWNER.

MULCHING, TEMPORARY SEEDING, & PERMANENT SEEDING DIRECTIONS (X C-X)

N.T.S.

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PROJECT NUMBER: 24012

REVISIONS

PROJECT NAME: MISS SIMS GARDEN
HOMEWOOD, AL

SHEET TITLE: DETAILS

DATE: NOV 14, 2025

SHEET NO. C5.1