ALABAMA A&M UNIVERSITY

WILLIAM HOOPER COUNCILL MEMORIAL

NOLA | VANPEURSEM ARCHITECTS PROJECT NUMBER 20117 DIVISION OF CONSTRUCTION MANAGEMENT NUMBER 2021125



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ALABAMA A&M UNIVERSITY WILLIAM HOOPER COUNCILL

350 BUCHANAN WAY NE NORMAL, ALABAMA

INDEX OF DRAWINGS

C501 EROSION CONTROL PLAN C601 UTILITY PLAN C701 CONSTRUCTION DETAILS

ARCHITECTURAL

A-1.1 PERGOLA PLAN & DETAILS A-1.2 PERGOLA DETAILS

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ARCHITECT CIVIL ENGINEER STRUCTURAL ENGINEER 04-09-2021

NOLA | VANPEURSEM ARCHITECTS, P.C.

> 301 JEFFERSON STREET HUNTSVILLE, ALABAMA 35801 (256) 533-6617

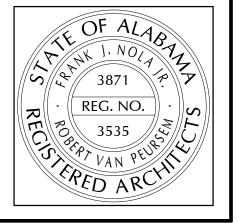
JOHNSON & ASSOCIATES

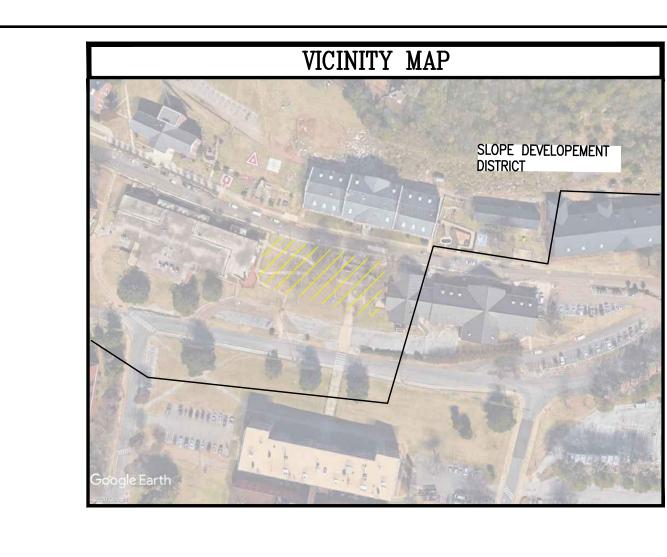
1218 CHURCH STREET NW HUNTSVILLE, ALABAMA 35801 (256) 937-1457

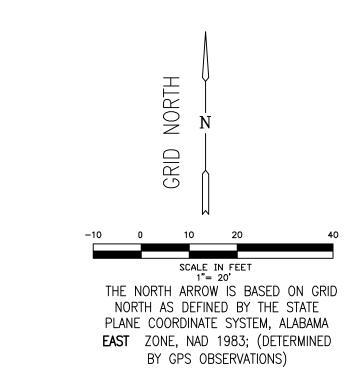
LBYD, INC.

1525 PERIMETER PARKWAY, SUITE 510 HUNTSVILLE, ALABAMA 35806 (256) 533-1575 TEL

SET NUMBER







FLOOD INFORMATION

I HAVE CONSULTED THE FEDERAL INSURANCE ADMINISTRATION FLOOD INSURANCE RATE MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, IN COOPERATION WITH THE NATIONAL FEDERAL INSURANCE ADMINISTRATION, MAP NUMBER 01089C0187 E, DATED OCTOBER 02, 2014, AND FOUND THAT THE PARCELS SHOWN HEREON ARE LOCATED IN FLOOD HAZARD ZONE X" (OUTSIDE ANY FLOOD HAZARD ZONE). THIS DETERMINATION HAS NOT BEEN VERIFIED WITH FIELD DATA, BUT MAP OVERLAYS ONLY.

SURVEYOR'S NOTES

- 1.) THIS IS A COMPOSITE SURVEY; ALL UTILITIES SHOWN HEREON ARE APPROXIMATE AND HAVE BEEN LOCATED BASED ON SURFACE EVIDENCE, EXISTING UTILITY MAPS, AND/OR FIELD LOCATIONS BY THE RESPECTIVE UTILITY COMPANIES OR THEIR REPRESENTATIVE. THIS SURVEY DOES NOT REFLECT THE PRESENCE OF ALL UNDERGROUND UTILITIES. ALL UNDERGROUND UTILITIES NEED TO BE VERIFIED BY THE CONTRACTOR BEFORE
- 2.) THERE WAS NO FIELD LOCATION ATTEMPTED TO DETERMINE THE EXTENT OF SUB-SURFACE STRUCTURES OR EAVE OVERHANGS, EXCEPT AS SHOWN.
- 3.) NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS—OF WAY, AND/OR OWNERSHIP WERE FURNISHED
- 4.) VERTICAL RELIEF INFORMATION WAS OBTAINED BASED ON FIELD MEASUREMENTS AND GPS OBSERVATION DATA, USING THE NAVD 1988.
- 5.) THIS PARCEL WAS ZONED RP (RESEARCH PARK DISTRICT) AT THE TIME OF THIS SURVEY, AND IS LOCATED IN A SLOPE DEVELOPMENT DISTRICT AND AN ALABAMA A&M HISTORIC DISTRICT ACCORDING TO CITY GIS MAPS.
- 6.) LAND SURVEYORS, AS LICENSED PROFESSIONALS BY THE STATE OF ALABAMA, ARE NOT EXPERTS IN THE IDENTIFICATION OF WETLANDS, CEMETERIES OR BURIAL GROUNDS, ITEMS OF HISTORICAL OR CULTURAL SIGNIFICANCE, OR THE IDENTIFICATION OF ENVIRONMENTAL HAZARDS OR HAZARDOUS WASTE; NOR HAS ANY EVIDENCE OR DOCUMENTATION OF SAID AFOREMENTIONED ITEMS BEEN PROVIDED TO THE SURVEYOR. THEREFORE EXCEPTION IS TAKEN TO ANY SUCH MATTERS WHICH MAY EXIST ON THE SUBJECT PROPERTY.
- 7.) THIS IS A LIMITED TOPOGRAPHIC SURVEY ONLY AND IS NOT A BOUNDARY SURVEY, ANY BOUNDARY INFORMATION SHOWN HAS NOT BEEN FIELD VERIFIED AND IS FOR INFORMATION PURPOSES ONLY.
- 8.) THIS SITE LIES WITHIN THE CITY LIMITS OF HUNTSVILLE, AL AND IS PART OF THE ALABAMA A&M UNIVERSITY CAMPUS HAVING AN ADDRESS PER COUNTY TAX RECORDS AS 4900 MERIDIAN STREET NORTH, HUNTSVILLE, AL AND LOCATED IN MADISON COUNTY, AL.
- 9.) ANY BUILDINGS SHOWN ARE FOR INFORMATION PURPOSES ONLY.

TO THE SURVEYOR, EXCEPT AS SHOWN.

WATER LINE DEPTH 3.5'±

CERTIFICATE OF ACCURACY

THE ACCURACY OF THE MEASUREMENTS HAS BEEN SUBSTANTIATED BY THE COMPUTATION OF A CLOSED FIELD TRAVERSE, AND THE RELATIVE ERROR OF CLOSURE WAS NOT GREATER THAN 1:10,000.

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EXISTING CONTOURS SPOT ELEVATION UTILITY & DRAINAGE EASEMENT CONCRETE 795 × 728.5EX U & D	BENCHMARK	
SPOT ELEVATION × 728.5EX UTILITY & DRAINAGE U & D EASEMENT CONCRETE	CONCRETE MONUMENT FOUND	
UTILITY & DRAINAGE U & D EASEMENT CONCRETE	EXISTING CONTOURS	795
EASEMENT CONCRETE	SPOT ELEVATION	× 728.5EX
CONCRETE		U & D
<u> </u>		
WUMZIIE BUA [QB]		
	MOUTIE DAY	MR

SURVEYOR'S CERTIFICATE

I, NATHAN G. JOHNSON, A REGISTERED LAND SURVEYOR, WITH THE FIRM OF JOHNSON AND ASSOCIATES, INC., HUNTSVILLE, ALABAMA HEREBY CERTIFY THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA AS ADOPTED BY THE ALABAMA SOCIETY OF PROFESSIONAL LAND SURVEYORS.

ACCORDING TO THIS SURVEY, UNDER MY SUPERVISION.

Nathan G. Johnson, AL PLS #16690

njohnson@jaengineering.com

ABAMA

CENSE

10/09/2020

No. 16690

PROFESSIONAL

LAND

SURVEYOR

AN G. JOH

SURVEY\1847—SR COUNCILL MEMORIAL\Survey\1847—SR COUNCILL MEM

SITE BENCHMARK MAG N:1559656.3368 E:435052.5559 ELEV=809.15' NAVD'88

WATER CAB/ACCESS STEAM BOX

—PROBABLE STEAM PIPES UNDERNEATH SIDEWALK.

/ INV.(IN) N=808.02 INV.(OUT) S=807.99

> 6" WATER LINE WATER LINE DEPTH 2.5'±

> > EX. GI FULL OF DIRT, UNABLE TO OBTAIN INVERTS.

> > > __SILT FENCE

TOP=810.97 INV.(IN) NE=808.57

UNABLE TO REMOVE

INV.(IN) E=805.27

INV.(OUT) S=805.20

TOP ELEV= 809.43'

WATER LINE DEPTH 3'±

TOP=803.16 LINV.(IN) S=801.16 INV.(IN) SE=800.81

4" STEAM & 8" RETURN—/ FOR STEAM

THIGPEN HALL

CONCRETE DRIVE-

DEPTH OF PIPE= 807.43'

CTS, PC
INSTITUTE OF ARCHITECT

ARCHITECTS, SERS OF THE AMERICAN INSTITU

HIS DRAWING MAY NOT BE

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ALABAMA A&M

1. COUNCILL MEMORIA

NORMAL, ALABAMA

JOB NUMBER 20117

KJW / NGJ / 10-09-19
DRAWN - CHECKED - DATE

REVISIONS

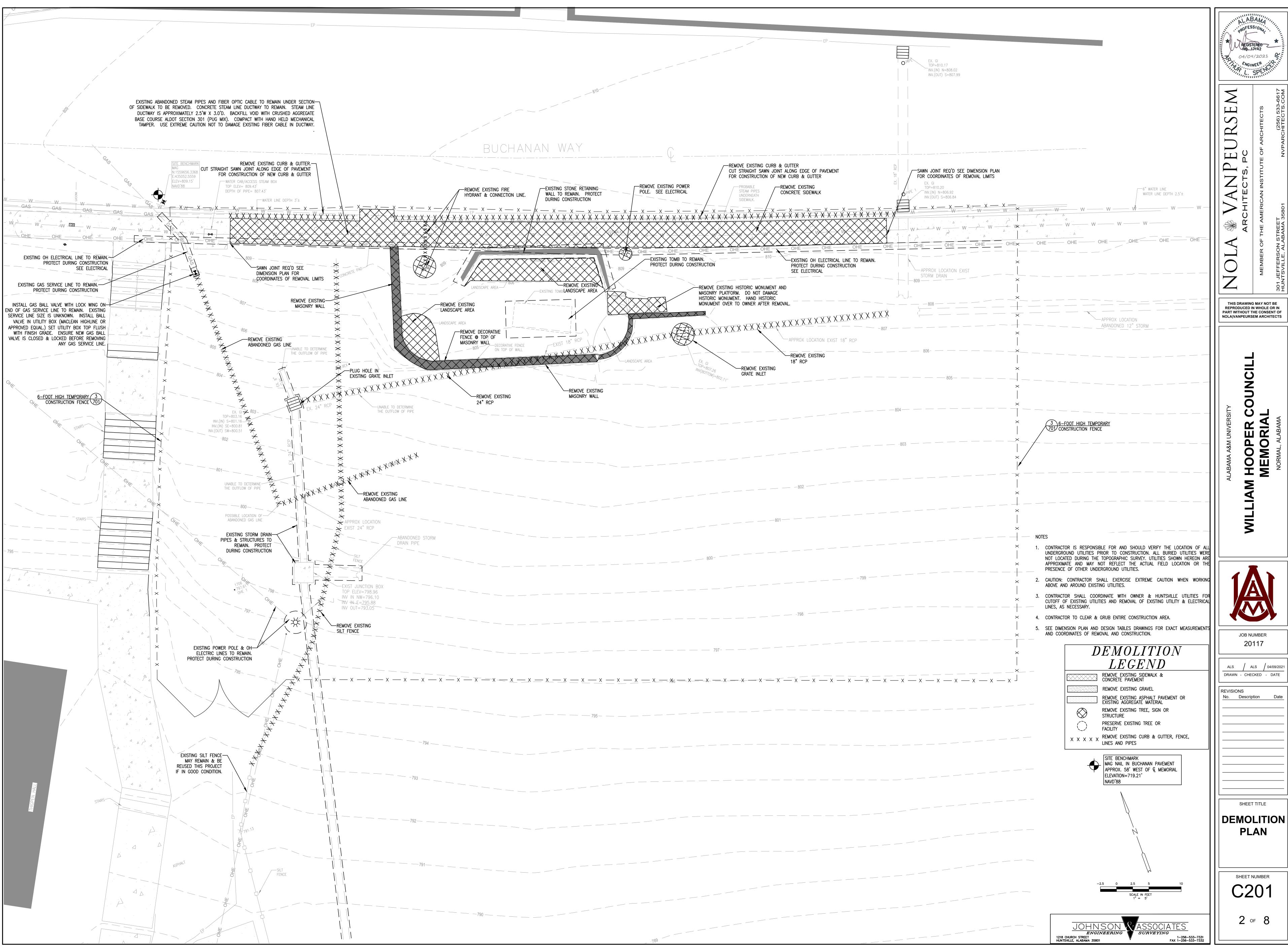
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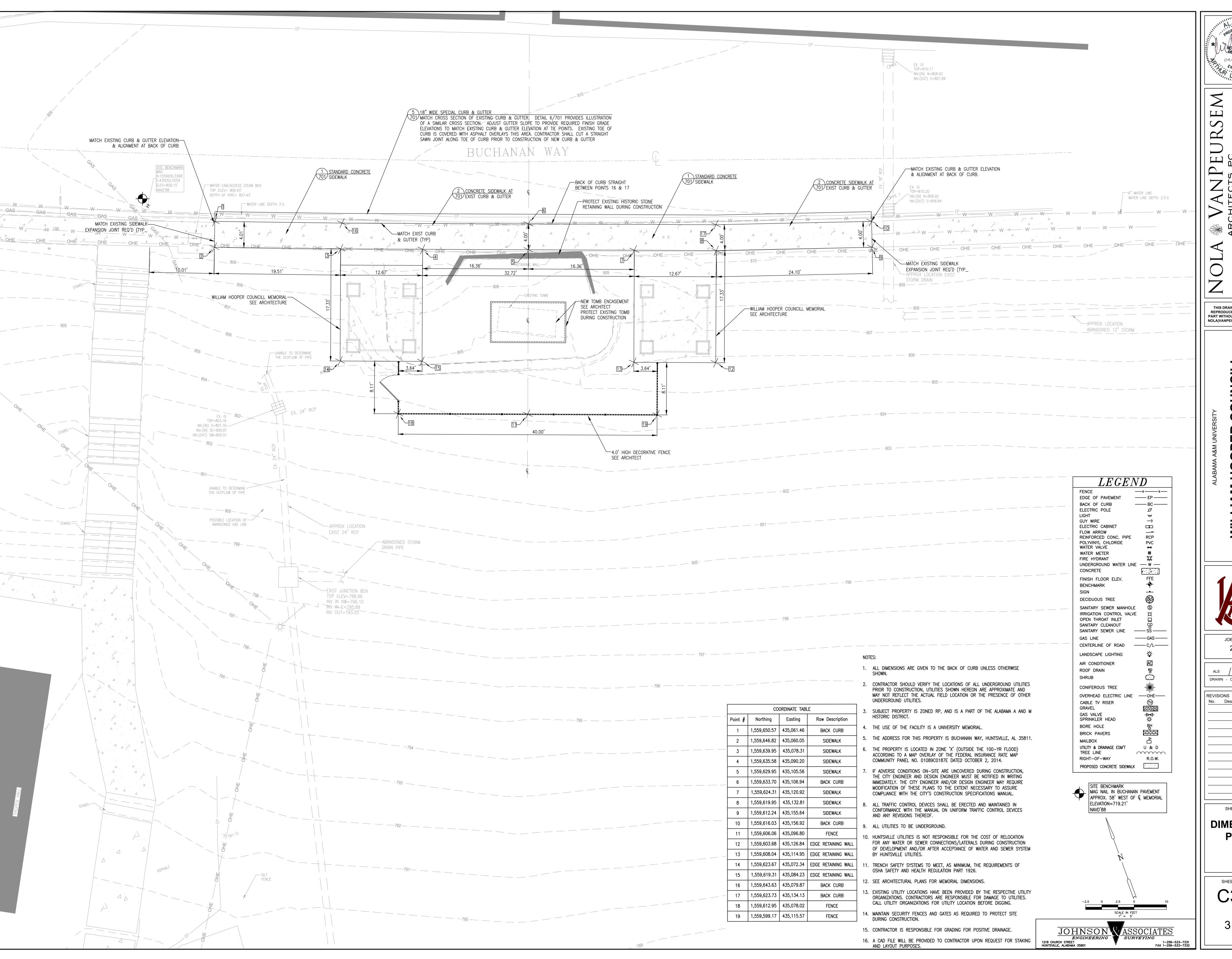
SHEET TITLE

LIMITED TOPOGRAPHIC SURVEY

SHEET NUMBER

C100 1 of 1





REGISTERED NO. 17142 04/09/2021 ENGINEER .

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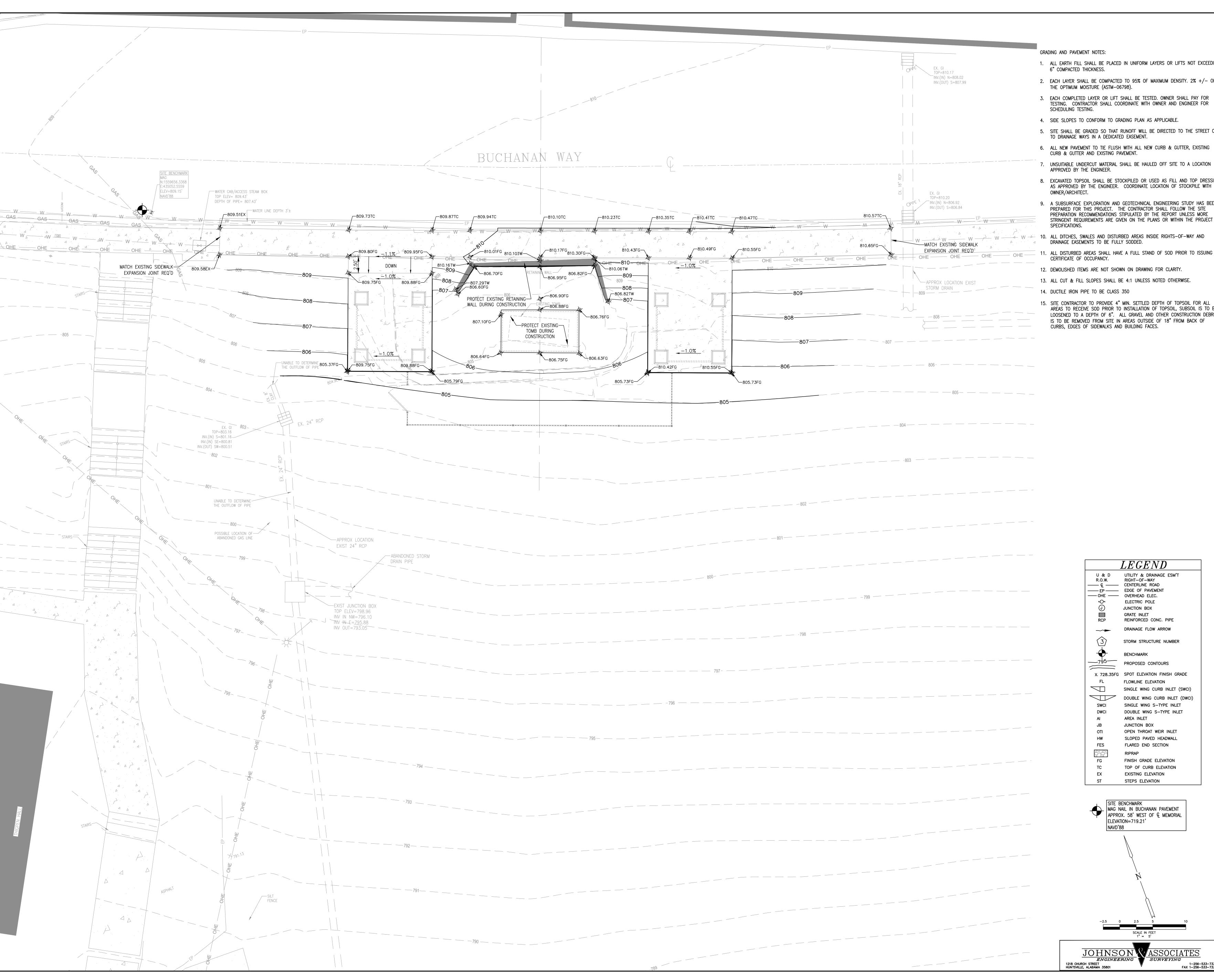
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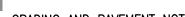
No. Description

SHEET TITLE

DIMENSION PLAN

SHEET NUMBER





1. ALL EARTH FILL SHALL BE PLACED IN UNIFORM LAYERS OR LIFTS NOT EXCEEDING 6" COMPACTED THICKNESS.

2. EACH LAYER SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY. 2% +/- OF

3. EACH COMPLETED LAYER OR LIFT SHALL BE TESTED. OWNER SHALL PAY FOR TESTING. CONTRACTOR SHALL COORDINATE WITH OWNER AND ENGINEER FOR

4. SIDE SLOPES TO CONFORM TO GRADING PLAN AS APPLICABLE.

5. SITE SHALL BE GRADED SO THAT RUNOFF WILL BE DIRECTED TO THE STREET OR TO DRAINAGE WAYS IN A DEDICATED EASEMENT.

6. ALL NEW PAVEMENT TO TIE FLUSH WITH ALL NEW CURB & GUTTER, EXISTING CURB & GUTTER AND EXISTING PAVEMENT.

7. UNSUITABLE UNDERCUT MATERIAL SHALL BE HAULED OFF SITE TO A LOCATION APPROVED BY THE ENGINEER.

8. EXCAVATED TOPSOIL SHALL BE STOCKPILED OR USED AS FILL AND TOP DRESSING AS APPROVED BY THE ENGINEER. COORDINATE LOCATION OF STOCKPILE WITH

9. A SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING STUDY HAS BEEN PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL FOLLOW THE SITE PREPARATION RECOMMENDATIONS STIPULATED BY THE REPORT UNLESS MORE

11. ALL DISTURBED AREAS SHALL HAVE A FULL STAND OF SOD PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY.

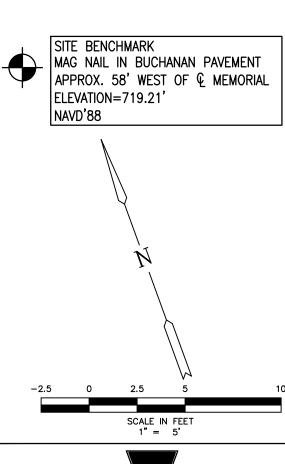
13. ALL CUT & FILL SLOPES SHALL BE 4:1 UNLESS NOTED OTHERWISE.

14. DUCTILE IRON PIPE TO BE CLASS 350

AREAS TO RECEIVE SOD PRIOR TO INSTALLATION OF TOPSOIL, SUBSOIL IS TO BE LOOSENED TO A DEPTH OF 6". ALL GRAVEL AND OTHER CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE IN AREAS OUTSIDE OF 18" FROM BACK OF CURBS, EDGES OF SIDEWALKS AND BUILDING FACES.

> U & D UTILITY & DRAINAGE ESM'T R.O.W. RIGHT-OF-WAY —— டி ——— CENTERLINE ROAD -----EP ------ EDGE OF PAVEMENT — OHE — OVERHEAD ELEC. ELECTRIC POLE JUNCTION BOX GRATE INLET REINFORCED CONC. PIPE DRAINAGE FLOW ARROW STORM STRUCTURE NUMBER PROPOSED CONTOURS X. 728.35FG SPOT ELEVATION FINISH GRADE FLOWLINE ELEVATION SINGLE WING CURB INLET (SWCI) DOUBLE WING CURB INLET (DWCI) SINGLE WING S-TYPE INLET DOUBLE WING S-TYPE INLET AREA INLET JUNCTION BOX OTI OPEN THROAT WEIR INLET SLOPED PAVED HEADWALL FES FLARED END SECTION FG FINISH GRADE ELEVATION

> > TOP OF CURB ELEVATION EXISTING ELEVATION STEPS ELEVATION





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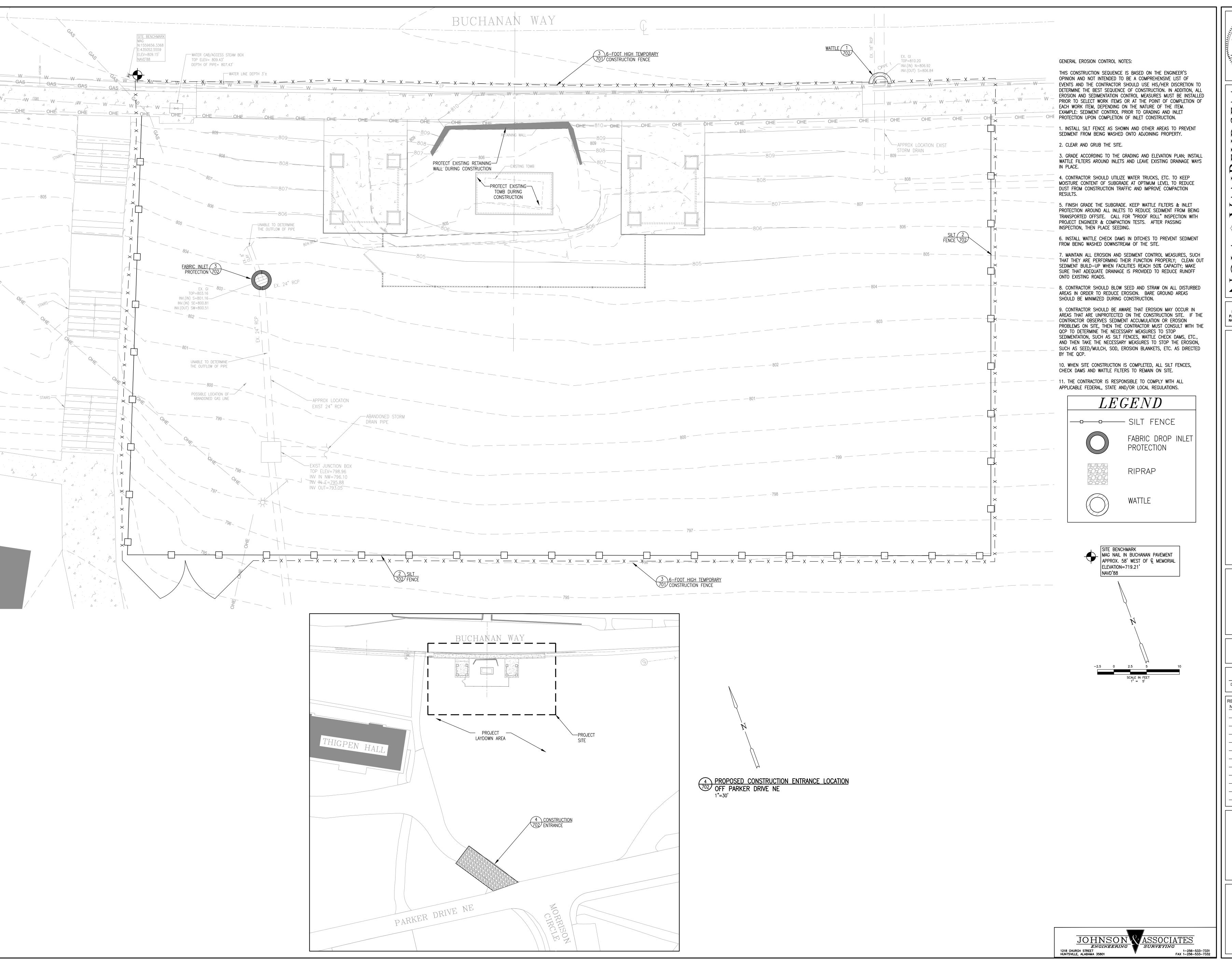
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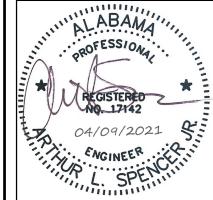
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No. Description Date

GRADING PLAN

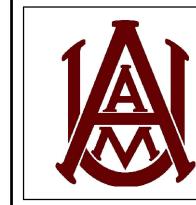
SHEET NUMBER C401





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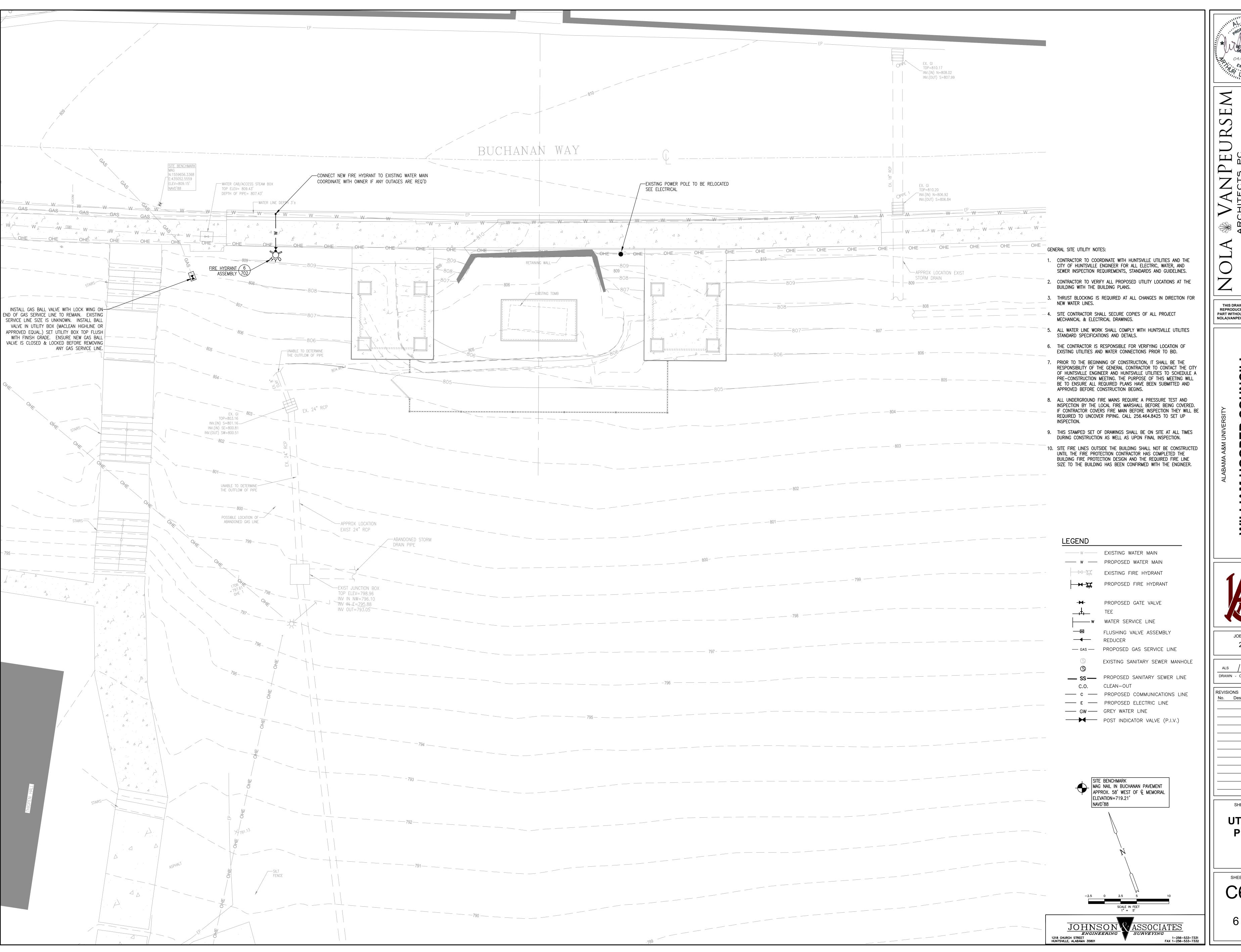
JOB NUMBER

ALS / ALS / 04/09/2021 DRAWN - CHECKED - DATE

No. Description Date

EROSION CONTROL **PLAN**

SHEET NUMBER C501



REGISTERED NO. 17142 04/09/2021 ENGINEER.

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JOB NUMBER

ALS / ALS / 04/09/2021 DRAWN - CHECKED - DATE

No. Description Date

SHEET TITLE

UTILITY **PLAN**

SHEET NUMBER C601

6 OF 8

Highways.

Contractor is responsible for making application and paying for necessary

- The Contractor is to prevent the destruction of all survey monuments, bench marks, property corners and all other survey points. Where the removal of such points is necessary for the accomplishment of the work, the Contractor is to inform the Engineer in writing, prior to the disturbance of any point, and is not to disturb the point until written permission to do so has been issued by the Engineer.
- All existing trees outside of the limits of work are to be protected during the accomplishment of the work, and are not to be damaged in any manner. 2.
- Contractor shall repair any damage to existing streets or driveways that is created during construction activities.
- All boulders, debris, excess construction materials, material generated from demolition of existing structures and facilities or trash to be removed from site at contractor's expense. (If allowed by city ordinance, debris may be able to be buried in the western area of the site where no future development is planned. Coordinate with the project engineer.)
- Contractor shall be responsible for having existing utilities located prior to excavation. We assume no responsibility as to the accuracy or completeness of utilities depicted on these drawings
- All storm drainage pipes shall be reinforced concrete Class III per ASTM C-76 unless otherwise noted. Pipe bedding shall be Class "C" trench bedding except as noted. Compacted granular material for bedding may be required based on unsuitable ground water conditions or conditions such

that shaped trench bottom cannot be properly obtained by the Contractor.

- 3. Pavement cuts shall be repaired with material in kind to that removed.
- D. Rip Rap shall be Class I, in accordance with Section 814, ALDOT, and shall be grouted where indicated on the plans.
- 10. In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the jobsite, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.
- Contractor shall provide adequate traffic control devices and safety measures for construction work within public right-of-ways in accordance with the Manual on Uniform Traffic Control Devices for Streets and
- The duty of the Engineer to conduct construction review of the contractor's performance is not intended to include review of the adequacy of the Contractor's safety measures, in, on or near the construction site.
- 1. The storm drainage system for this site has been designed for a 25 year storm event for ditch designs and a 10 year storm event for pipe designs, unless otherwise noted, in accordance with the standards of the Madison County. With regard to the system capacity, no warranty is expressed or implied for storms of greater intensity.
- 12. This document, and the ideas and designs incorporated herein as an instrument of professional services, is the property of Johnson & Associates, Inc., and is not to be used, in whole or part, for any other project without the written authorization of Johnson & Associates, Inc.

~4" CONC. SLAB (3,000 PSI) W/LIGHT BROOM

<u>~4" COMPACTED GRAVEL</u>

-1/2" PREFORMED **EXPANSION JOINT FILLER**

-6X6 - 2.9/2.9

NOTES:

1. EXPANSION JOINTS ARE TO BE SPACED 25'-0"o.c. (MAX) (UNLESS INDICATED ON DRAWINGS) AND AT

2. SEE LANDSCAPE DRAWING FOR JOINT LAYOUT FOR CONCRETE PATIOS.

CHANGES IN DIRECTION OF WALKS AND AT WALK EDGES ABUTTING CURBS, WALLS, WERE NEW WALK

3. ALL CONCRETE SIDEWALK EXPANSION JOINTS SHALL BE SEALED WITH A SELF-LEVELING SILICONE BASED JOINT SEALANT APPROVED BY THE ARCHITECT. USE 1/2" EXPANSION JOINT CAPS INSTALLED OVER THE TOP OF THE 1/2" EXPANSION JOINT MATERIAL WHEN FORMING AND POURING THE EXPANSION JOINTS.

EARTHWORK GENERAL NOTES

- 1. Refer to the Geotechnical Engineer's report for site recommendations for undercut, removal and replacement of unsuitable soil in pavement areas and building foundation areas.
- Site topography maps and other topographic data shown on the plans or included in the specifications are for the information of the Contractor. The Contractor shall make such additional investigations as required to acquaint himself adequately with the site topography, and the subsurface soil conditions for preparation of his bid, and for the successful execution of the work.
- . All proposed contour elevations shown are finish grade.
- Protection of Work: The Contractor is to be solely responsible for the protection of his work. Such grading is the responsibility of the Contractor and will be at no additional cost to the Owner. The Owner may direct the Contractor to perform necessary grading and drainage to prevent surface run off from damaging the work.
- 4. Contractor shall be required to install silt fences, wattles, etc., to prevent erosion of disturbed earth and fill areas. Silt fences shall be required, if necessary to prevent loose dirt from washing onto streets and adjacent property. Contractor shall be responsible for erosion and sediment control until final inspection by city.
- 5. All earth fill shall be compacted to 95% of the maximum dry density, plus or minus 2% of optimum moisture (ASTM-D6798), except for earth fills under roads which are to comply with paving specifications.
- . Earth fill shall be placed in uniform layers or lifts not exceeding 6" compacted thickness.
- 7. Earth fill under the building shall also meet the requirements of the architect's plans and specifications.

SEEDING NOTES

All disturbed areas shall be solid sodded

Contractor is required to furnish all materials, equipment and labor necessary for the sodding of areas specified on the landscape plans. All specified surface areas shall be seeded according to the specifications listed below.

- Site contractor to provide 12" min. settled depth of topsoil for all planting beds. Prior to installation of topsoil, subsoil is to be loosened to a depth of 6". All gravel and other construction debris is to be removed from site in areas outside of 18" from back of curbs, edges of sidewalks and building faces. Site contractor to provide 4" min. settled depth of topsoil for all areas to receive sod prior to installation of topsoil, subsoil is to be loosened to a depth of 6". All gravel and other construction debris is to be removed from 5. site in areas outside of 18" from back of curbs, edges of sidewalks and building faces.
- 2. Seeding, if required, shall be:

4" CONC. SLAB (3,000 PSI) W/LIGHT BROOM

NOTE:
CONTROL JOINTS ARE TO BE SPACED 5'-0"o.c.-UNLESS

SCORE (1"D) AT INTERVALS EQUAL TO WIDTH OF SIDEWALK (UNLESS OTHERWISE NOTED)

~4" COMPACTED GRAVEL BASE

COMPACTED EARTH

- A) "Rebel" or "Falcon" Fescue seed (till April 15th) with 95% germination 7. Heating of reinforcing bars to bend them, or straighten them will not be and 8 lbs. per 1,000 S.F.
- B) Bermuda seed (from April 15th to August 15th) with 95% germination and 8. All Welded Wire Fabric shall conform to ASTM A185, smooth fabric with an 2 lbs. per 1,000 S.F.
- 3. Soil Amendment shall be recommended using lime or sulfur to achieve a soil
- ph of 5.5 6.5.
- 4. 2-4-D Roundup or equivalent post-emergent herbicide shall be required to kill existing weeds. Treflan, Dactal or equivalent pre-emergent herbicide shall be required for all seeded areas to prevent weed germination.

Protection of seeded areas on steep slopes shall be provided using a Standard Excelsior Erosion Control Blanket, by Erosion Control Systems, Inc. Tuscaloosa, AL, or equivalent where indicated on the grading plan. Application of "Excelsior" Blanket shall comply with manufacturer's recommendations. Apply blanket to the slope after proper preparation and seeding of ground.

PAVEMENT CONSTRUCTION GENERAL NOTES (IF REQUIRED FOR REPAIRS)

- 1. ALDOT, shall mean State of Alabama Highway Department Standard Specifications for Highway Construction, Latest Edition.
- 2. Crushed Aggregate Base Course Plant Mixed shall be placed in accordance with Section 301 ALDOT. All materials shall be in accordance with Section 825, Type B, 100% compaction.
- 3. Portland Cement Concrete Pavement shall be placed in accordance with
- Section 450. ALDOT. 4. Bituminous Tack Coat shall be placed in accordance with Section 424,

ALDOT. Tack Coat shall be NTS-1HM.

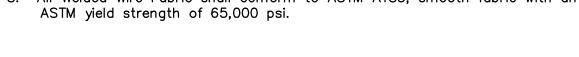
- Bituminous Concrete Wearing Surface Layer shall be placed in accordance with Section 424, ALDOT. Use ALDOT 424A-340.
- 6. The site shall be cleared and all unsuitable material removed prior to placing and compacting embankments.
- 7. All subgrades shall be cleared and grubbed, scarified to a depth of 6", and then recompacted to 100% of the maximum dry density, plus or minus 2% of optimum moisture, ASTM-D698.
- 8. In rock excavation a minimum of 1 foot of soil shall be placed over rock prior to placement of Base Material.

REINFORCED CONCRETE NOTES

COMPACTED SUBGRADE -

6x6WWF-W2.9xW2.9-

- 1. All concrete shall be air entrained 3000 psi minimum compressive strength at 28 days, Class "A" unless otherwise noted.
- 2. All construction joints shall be constructed with shear keys in accord ance with the shear key detail located on sheet C801.
- All reinforcing steel shall be Grade 60 deformed, and shall conform to ASTM
- A615, for Billet Steel. 4. Lap Splices and Bar Embedments shall be in accordance with the table on
- sheet C801.
- Concrete Air Content and Slump shall be in accordance with the table on sheet C801.
- 6. All reinforcing bars shall be shop bent in accordance with the table on sheet C801.

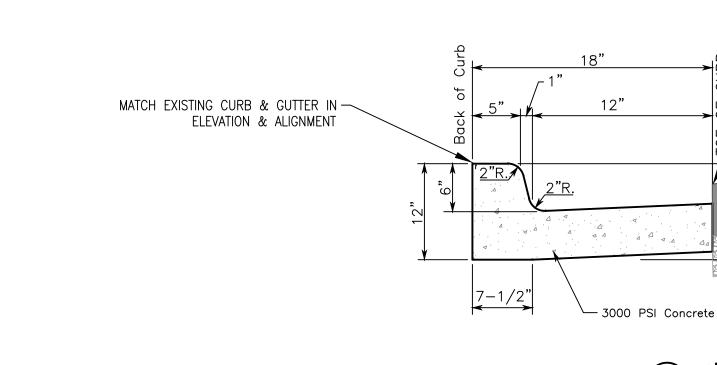


1/2" JOINT FILLER

TOOLED CONTROL JOINT ACROSS

2 STANDARD SIDEWALK AT CURB & GUTTER

CONCRETE SIDEWALK @ ±5'-0" O.C.



BACKFILL TO BE MOUNDED TO ALLOW FOR SETTLEMENT

COMPACTED SOIL IN 12" LAYERS TO 85% STD. PROCTOR DENSITY

TRENCH WITH HANDHELD

GEOTEXTILE FILTER FABRIC-

MECHANICAL TAMPERS

ALDOT NO. 78 — CRUSHED STONE

12" MIN. IN ROCK OR UNSTABLE, SOFT SOIL

COMPACT THIS PORTION OF

PVC, HDPE AND FLEXIBLE PIPE

12" MIN.—

LOCATOR TAPE

— CUT STRAIGHT SAWN JOINT ALONG TOE OF CURB 1. MATCH CROSS SECTION OF EXISTING CURB & GUTTER. THIS DETAIL BEFORE CONSTRUCTION OF NEW CURB & GUTTER. PROVIDES ILLUSTRATION OF A SIMILAR CROSS SECTION. THE EXISTING TOE OF CURB IS COVERED BY ASPHALT OVERLAYS. EXISTING ASPHALT ELEVATION WILL BE 2. ADJUST GUTTER SLOPE TO PROVIDE REQUIRED FINISH GRADE HIGHER THAN NEW TOE OF CURB FINAL ELEVATION. ELEVATIONS AT RAMP LANDING AND MATCH EXISTING ELEVATIONS AT EACH END OF NEW CURB & GUTTER. TOE OF CURB AT RAMP

LANDING MUST MATCH EXISTING EDGE OF PAVEMENT.

ASPHALT OR CONCRETE PAVEMENT

-DENSE GRADED BASE MATERIAL AS REQUIRED BY STREET SECTION

COMPACT THIS PORTION OF TRENCH W/ HAND HELD MECHANICAL TAMPERS

USE THESE DETAILS FOR ALL UNDERGROUND UTILITY

SEWER, GAS, ELECTRIC, TELEPHONE, WATER, ETC.

SIDE SLOPES AND REQUIREMENTS FOR TRENCHING

SHALL COMPLY WITH OSHA GUIDLINES.

PIPES INCLUDING, BUT NOT LIMITED TO STORM, SANITARY

DENSE GRADED BASE MATERIAL,
 100% COMPACTION REQUIRED

6" MIN IN STARLE SOIL

12" MIN. IN ROCK OR UNSTABLE, SOFT SOIL.

— ALDOT NO. 78

UNDERGROUND UTILITY PIPE BEDDING DETAILS

NOT TO SCALE

WITHIN PROPOSED TRAFFIC AREAS

CRUSHED STONE

- LOCATOR TAPE FOR PVC PIPES

Construction joints may be formed by 1/8" metal plates removed after finishing or by cutting slab at 25 foot O.C. MAX. to 1/3 of full depth. Round all edges with 1/4 inch radius groove finishing tool. 1/2" Premolded Expansion Joint (Bituminous) Use next to buildings, structures and curbs spacing at 75 foot O.C. Max. All edges and joints to be rounded to 1/4 inch rad.

FINISHED GRADE

COMPACTED SOIL IN 12" LAYERS TO 85% STD.

COMPACT THIS PORTION OF

APPROVED BY THE INSPECTOR

TRENCH WITH HANDHELD

MECHANICAL TAMPERS

6" MIN. IN STABLE SOIL 12" MIN. IN ROCK OR

UNSTABLE, SOFT SOIL.

DUCTILE IRON PIPE OR RCP

METHOD B

2. COMPACTION TESTS WILL NOT BE REQUIRED AS LONG AS THE CONTRACTOR IS FOLLOWING THE PROPER

PROCEDURES AND USING PROPER EQUIPMENT AND TECHNIQUES IN BACKFILLING OPERATIONS.

UNDERGROUND UTILITY PIPE BEDDING DETAILS IN NON-TRAFFIC AREAS

PROCTOR DENSITY

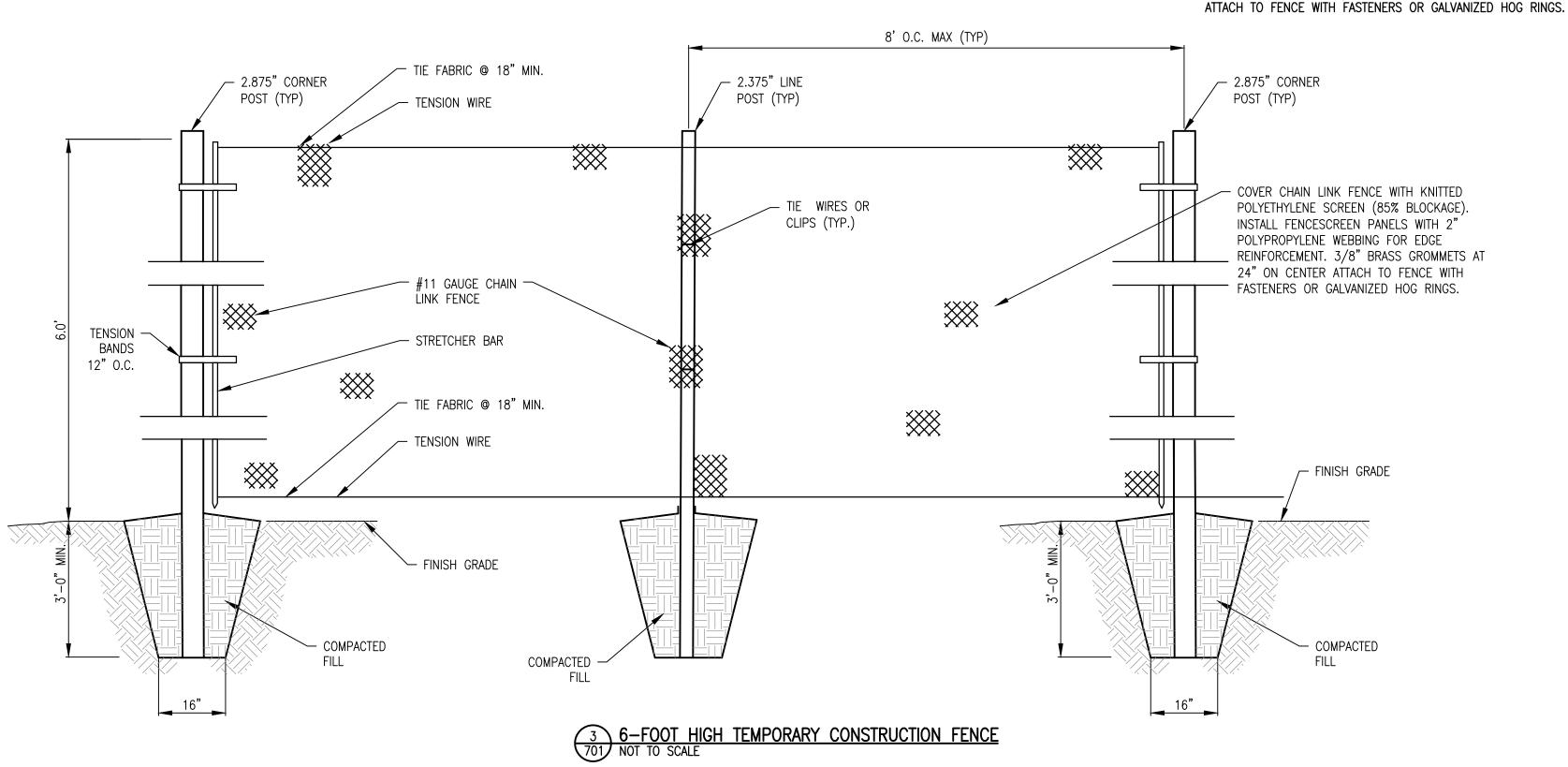
1. GATES MUST REMAIN IN GOOD WORKING ORDER AND MUST BE CLOSED AND SECURED DURING NON-WORKING HOURS.

2. GATES SHALL BE CONSTRUCTED SO THAT THEY SWING IN TOWARDS THE CONSTRUCTION SITE. 3. GATES MUST BE CONSTRUCTED WITH THE SAME DESIGN

CHARACTERISTICS AS THE TEMPORARY CONSTRUCTION FENCE. 4. CONTRACTOR MAY REUSE PRE-USED FENCE MATERIAL IF APPROVED BY

INSTALL PER MANUFACTURER RECOMMENDATIONS. 6. COVER CHAIN LINK FENCE WITH KNITTED POLYETHYLENE SCREEN

(85% BLOCKAGE). 7. INSTALL FENCESCREEN PANELS WITH 2" POLYPROPYLENE WEBBING FOR EDGE REINFORCEMENT. 3/8" BRASS GROMMETS AT 24" ON CENTER



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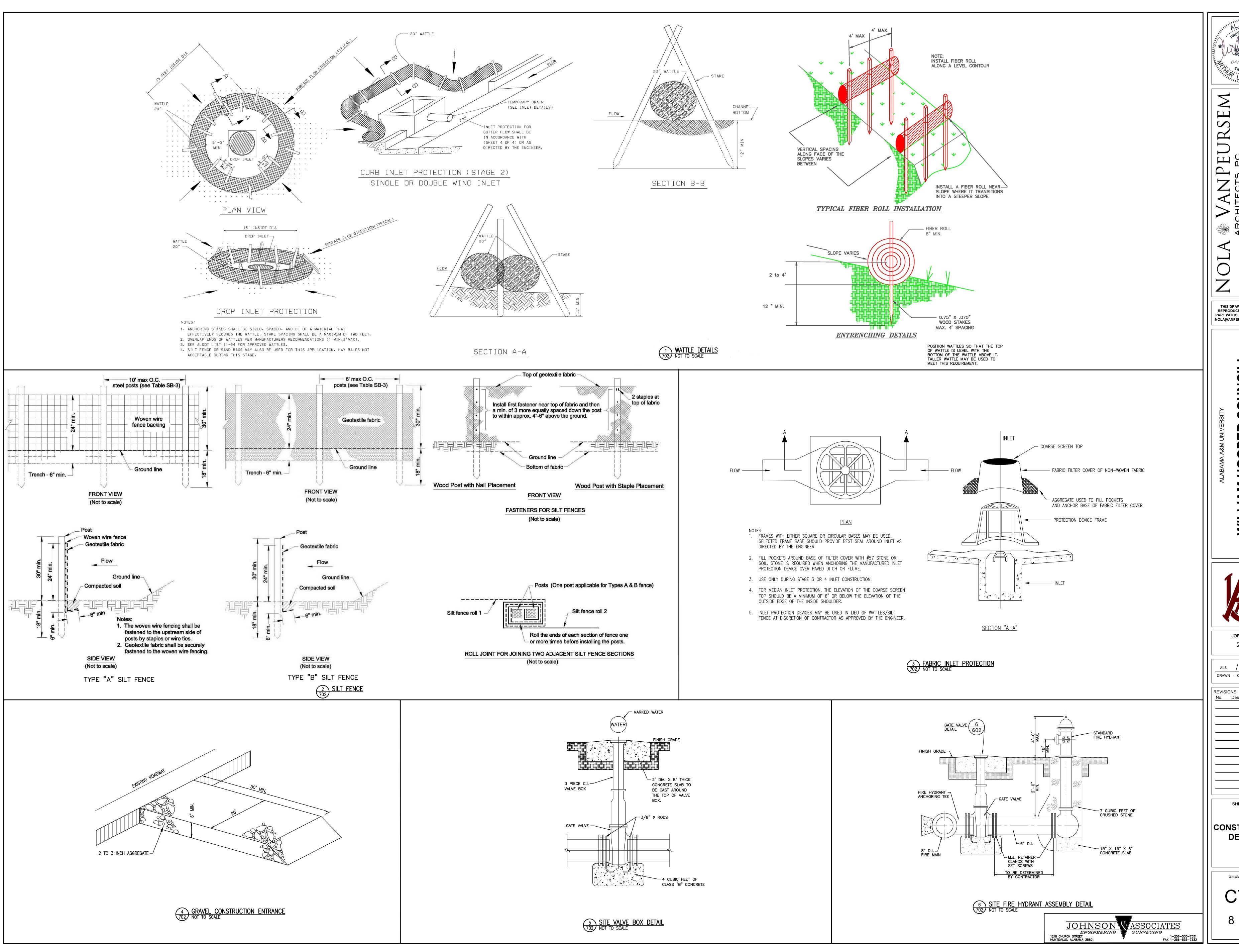
ALS / ALS / 04/09/202 DRAWN - CHECKED - DATE

REVISIONS No. Description

CONSTRUCTION **DETAILS**

SHEET NUMBER

C701



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JOB NUMBER 20117

ALS / ALS / 04/09/2021 DRAWN - CHECKED - DATE

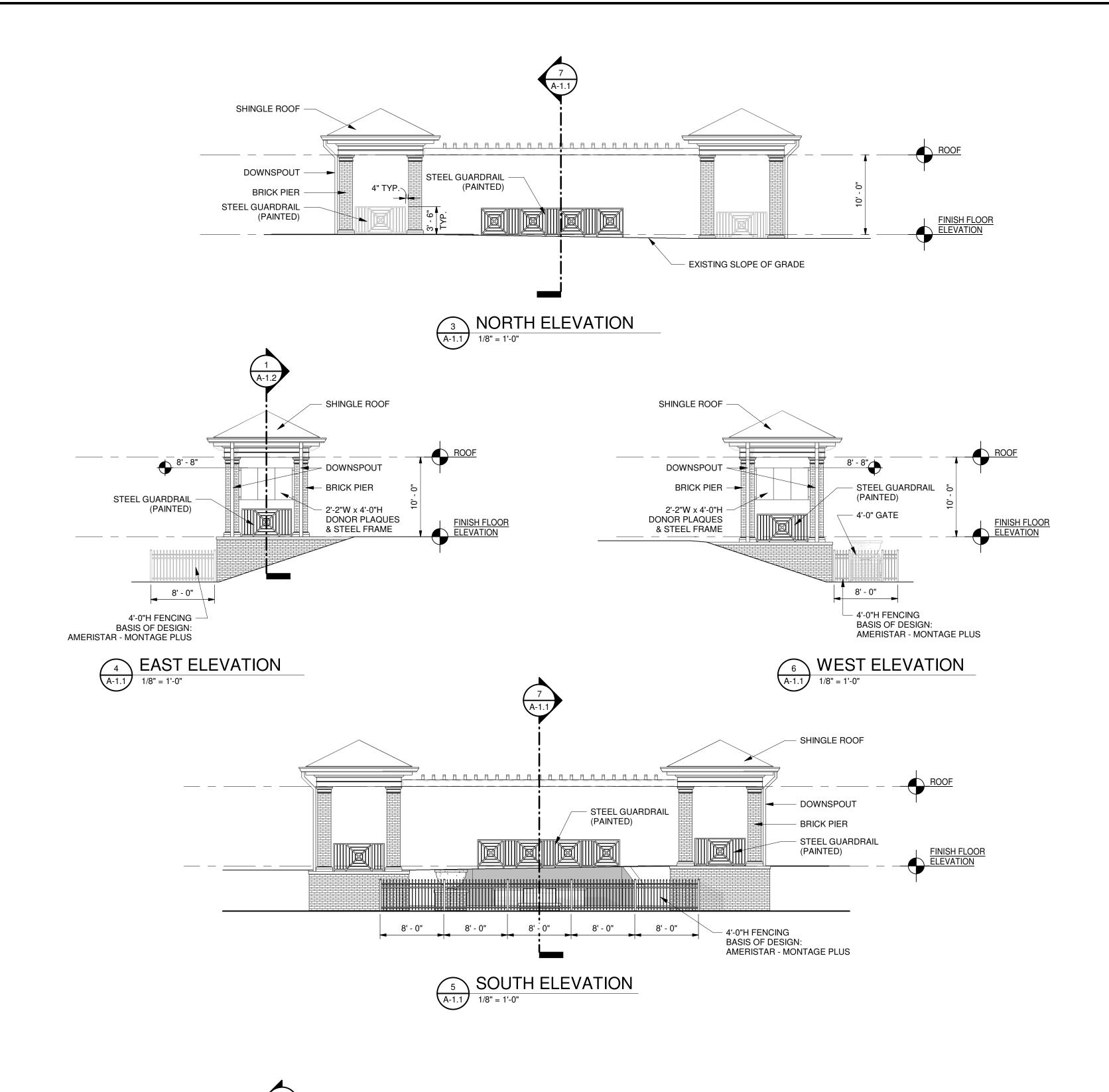
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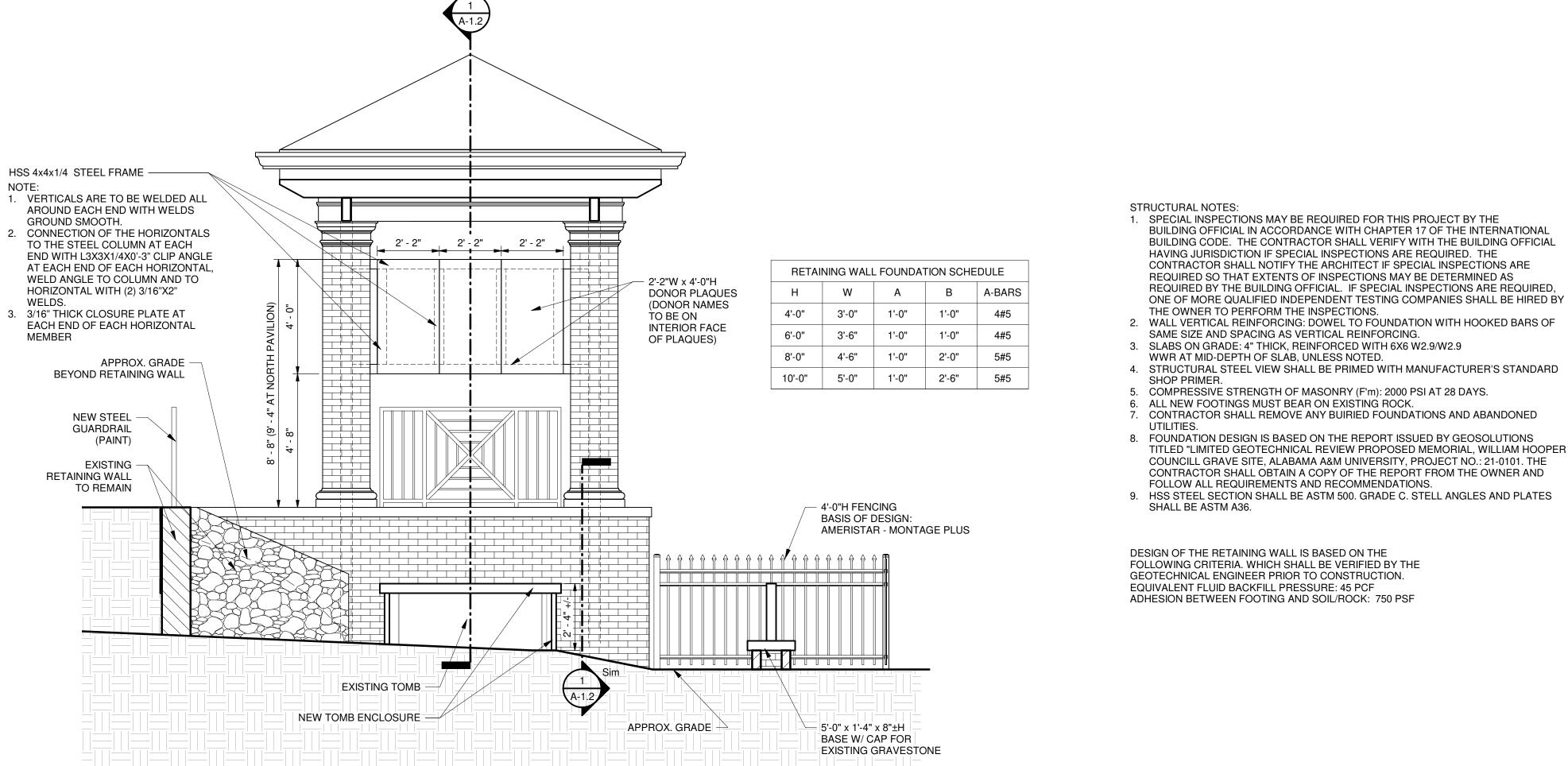
CONSTRUCTION **DETAILS**

SHEET NUMBER

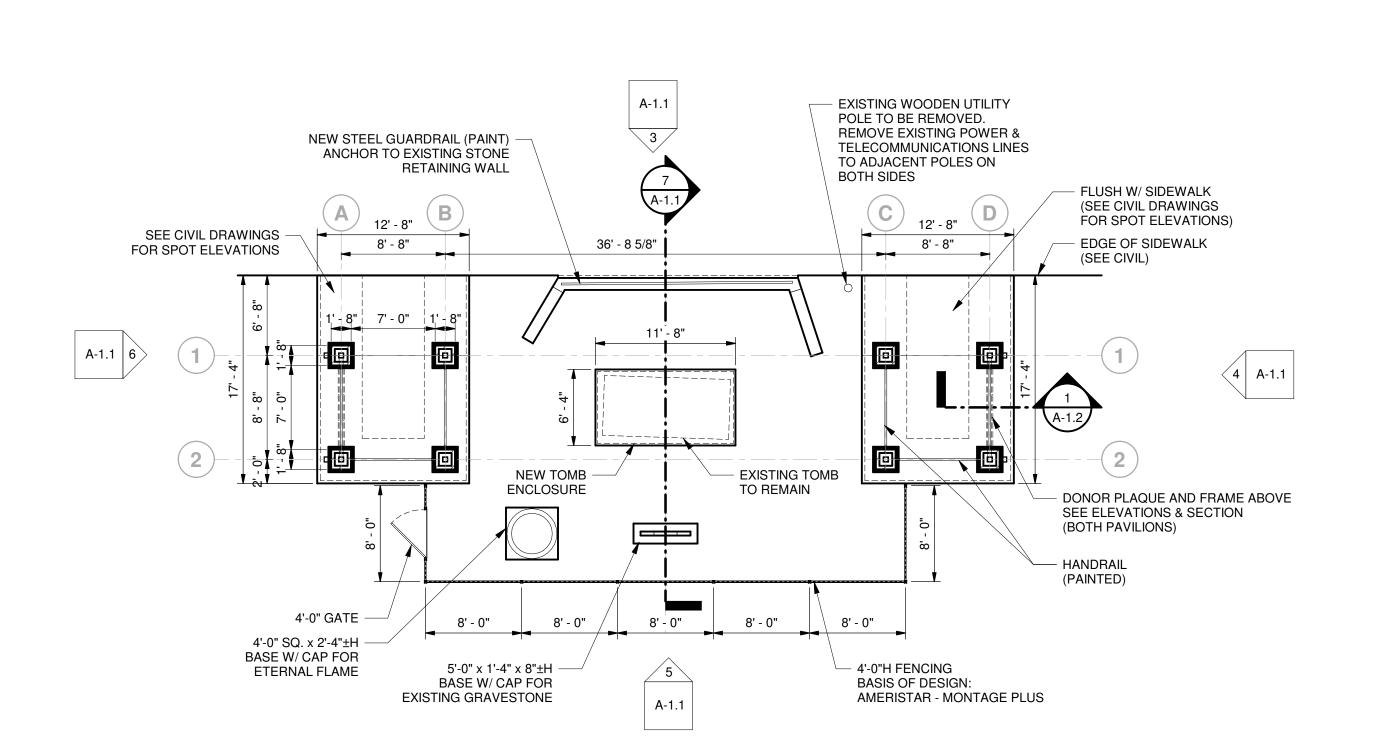
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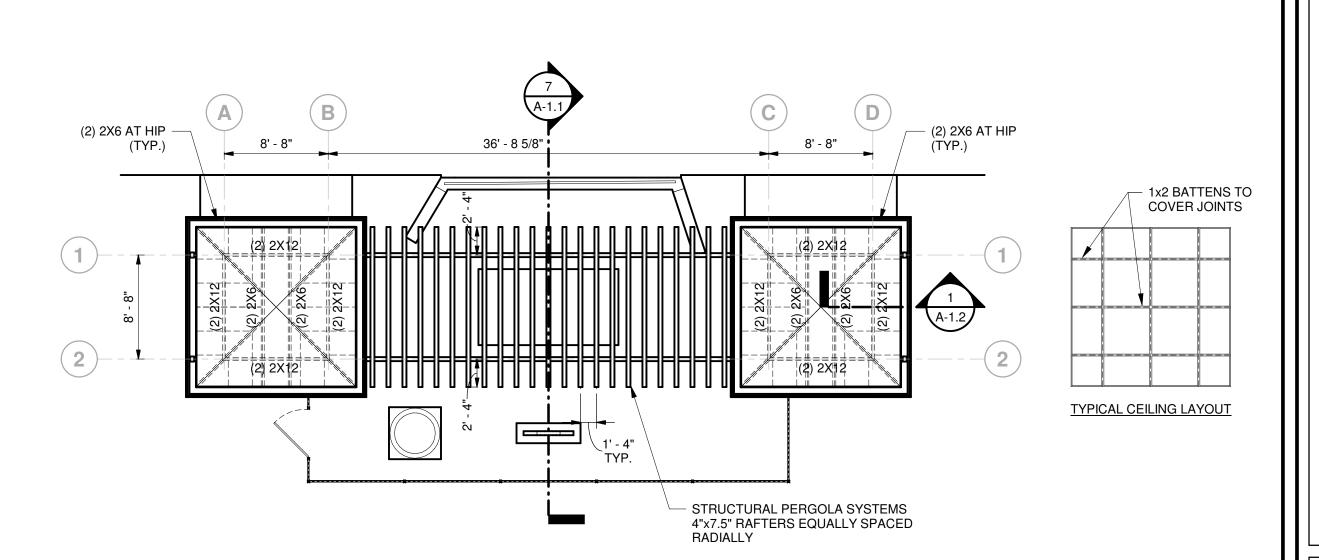




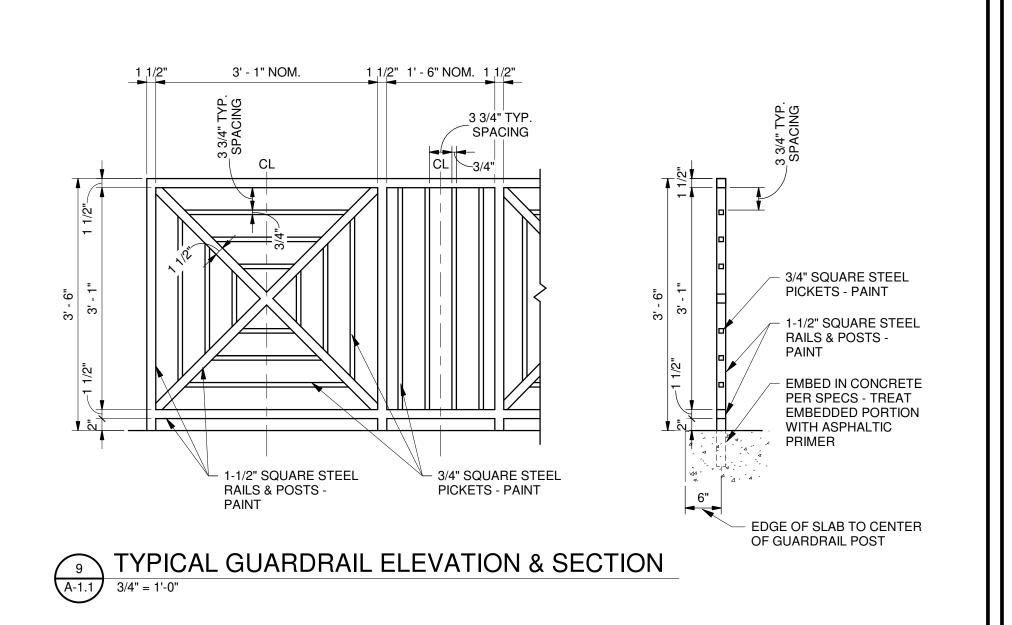
7 CROSS SECTION
3/8" = 1'-0"



GROUND LEVEL PLAN 1/8" = 1'-0"



2 ROOF LEVEL PLAN
1/8" = 1'-0"



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NOO

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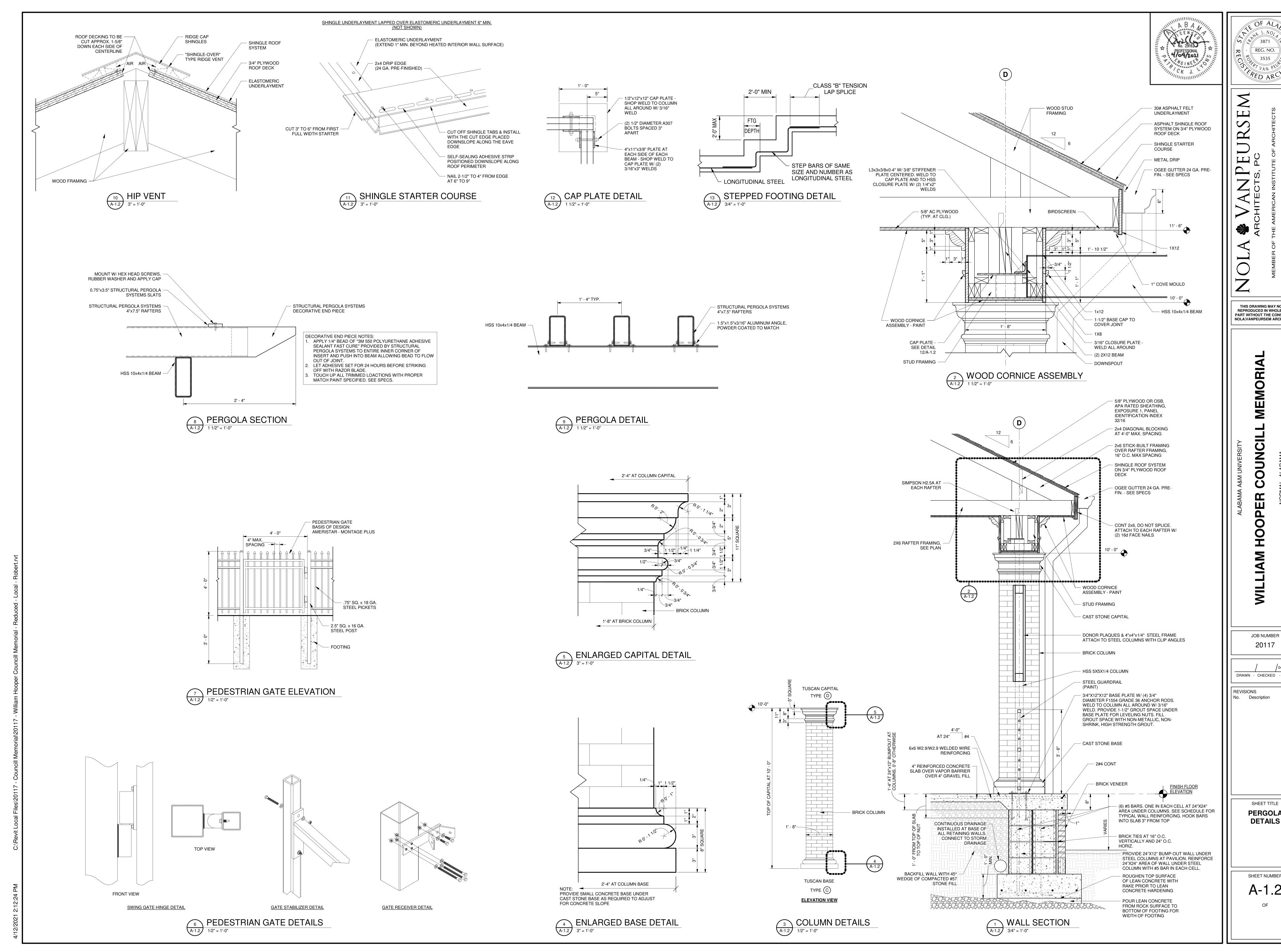
DRAWN - CHECKED - DATE

REVISIONS Description

SHEET TITLE

PERGOLA PLAN & **DETAILS**

SHEET NUMBER A-1.1 OF



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Description

PERGOLA DETAILS

SHEET NUMBER A-1.2