

**ORDINANCE NUMBER 3296**

**AN ORDINANCE ACCEPTING A BID FOR SOUTHERN GATEWAY SIGNAGE FOR THE CITY, AUTHORIZING THE EXECUTION AND DELIVERY OF THE CONSTRUCTION CONTRACT DOCUMENTS BY AND BETWEEN THE CITY OF VESTAVIA HILLS, ALABAMA, AS “OWNER,” AND GILLESPIE CONSTRUCTION, LLC, AS “CONTRACTOR.”**

**THIS ORDINANCE NUMBER 3296** is considered, approved, enacted and adopted by the City Council of the City of Vestavia Hills, Alabama on this the 27th day of October, 2025.

**WITNESSETH THESE RECITALS:**

**WHEREAS**, on August 13, 2025 at 10:00 a.m., the City of Vestavia Hills, Alabama publicly read aloud bids submitted for southern gateway signage for the City of Vestavia Hills (“the Project”); and

**WHEREAS**, two bids were received and read, a tabulation which is marked as Exhibit A, attached to and incorporated into this Ordinance Number 3296 as if written fully therein; and

**WHEREAS**, the Engineering Department submitted a memorandum dated September 3, 2025 recommending acceptance of the bid package submitted by Gillespie Construction, LLC pursuant to the attached proposal, a copy of which is marked as Exhibit B and is attached to and incorporated into this Ordinance Number 3296 for a budget estimated at \$1,175,886.00; and

**WHEREAS**, the Bid Specifications included, but are not limited to, the following contract documents prepared by the City and to be signed by the City of Vestavia Hills, Alabama, as “Owner,” and the lowest responsible bidder as “Contractor”:

- A. Contract AIA Document A101-2017.
- B. General Conditions AIA Document A201-2017.
- C. Performance Bond AIA Document A312-2010.
- D. Payment Bond AIA Document A312-2010.
- E. First Addendum to Contract and General Conditions; and

**WHEREAS**, the Mayor and City Council feel it is in the best public interest to follow the recommendation of the Engineering and accept said bid as detailed above and to authorize the execution and delivery of the contract documents.

**NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF VESTAVIA HILLS, ALABAMA, AS FOLLOWS:**

1. The bid submitted by Gillespie Construction, as detailed in Exhibit B is attached and recommended by the City Manager and the Engineering Department is hereby accepted; and

2. The Mayor and City Manager are hereby authorized to execute and deliver any and all documents necessary to contract with Gillespie Construction, LLC, including specifically, but not limited to the following contract documents:

- A. Contract AIA Document A101-2017.
- B. General Conditions AIA Document A201-2017.
- C. Performance Bond AIA Document A312-2010.
- D. Payment Bond AIA Document A312-2010.
- E. First Addendum to Contract and General Conditions; and

3. Funding for said project shall be expensed to the City's FY25 Capital Budget; and

4. If any part, section or subdivision of this ordinance shall be held unconstitutional or invalid for any reason, such holding shall not be construed to invalidate or impair the remainder of this ordinance which shall continue in full force and effect notwithstanding such holding.

5. This ordinance shall become effective upon its approval, adoption, enactment and publication by posting as set forth in Title 11-45-8(b), *Code of Alabama, 1975*.

**DONE, ORDERED, APPROVED and ADOPTED** this the 22<sup>nd</sup> day of September, 2025.

CITY OF VESTAVIA HILLS, ALABAMA

By \_\_\_\_\_  
Ashley C. Curry  
Mayor

ATTESTED BY:

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Rebecca Leavings  
City Clerk

**CERTIFICATION:**

I, Rebecca Leavings, as City Clerk of the City of Vestavia Hills, Alabama, hereby certify that the above and foregoing copy of 1 (one) Ordinance #3296 is a true and correct copy of such Ordinance that was duly adopted by the City Council of the City of Vestavia Hills on the 22<sup>nd</sup> day of September, 2025 as same appears in the official records of said City.

Posted at Vestavia Hills Municipal Center, Vestavia Hills New Merkle House, Vestavia Hills Civic Center and Vestavia Hills Library in the Forest this the \_\_\_\_ day of July, 2025.

Rebecca Leavings  
City Clerk

Highway 31 Gateway Sign (#9754106)  
Owner: Vestavia Hills AL, City of  
Solicitor: Vestavia Hills AL, City of  
08/13/2025 10:00 AM CDT

Section Title	Line Item	Item Code	Item Description	UofM	Quantity	Engineer Estimate		Gillespie Construction LLC		Taylor & Miree Construction, Inc.	
						Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
Base Bid							\$50,000.00				\$1,347,405.00
	Base Bid	1	Base Bid (Without allowances)	LS	1			\$1,123,261.00	\$1,175,886.00		
	Contingency Allowance	A	Fixed Allowance (Do not change)	LS	1	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$1,291,780.00	\$1,291,780.00
	Quantity Allowance	B	Quantity allowance for use as directed by engineer.	Cu Yd	75			\$35.00	\$2,625.00	\$75.00	\$5,625.00
Base Bid Total:							\$50,000.00		\$1,175,886.00		\$1,347,405.00

Reviewed By:



City Engineer



## PROPOSAL FORM

To: Vestavia Hills AL, City of Date: 8/13/25

In compliance with your Advertisement for Bids and subject to all the conditions thereof, the undersigned,

Gillespie Construction, LLC

(Legal name of Bidder)

hereby proposes to furnish all labor and materials and perform all work required for the construction of

WORK: City of Vestavia Hills - Highway 31 Gateway Sign, inaccordance with Drawings and Specifications, dated, July 14, 2025, prepared by TTL, Inc.10 Inverness Center Parkway, Suite 350, Hoover, AL 35242, Architect.The Bidder, which is organized and existing under the laws of the State of Alabama,having its principal offices in the City of Jasper, Walker Countyis: ☒ a Corporation ☐ a Partnership ☐ an individual ☐ (other) \_\_\_\_\_

LISTING OF PARTNERS OR OFFICERS: If Bidder is a Partnership, list all partners and their addresses; if

Bidder is a Corporation, list the names, titles and business addresses of its Officers:

Ron Gillespie - Member #4565 Hwy 5  
Jasper, AL 35503**BIDDER'S REPRESENTATION:** The Bidder declares that it has examined the site of the Work, having become fully informed regarding all pertinent conditions, and that it has examined the Drawings and Specifications (including all Addenda received) for the Work and the other Bid and Contract Documents relative thereto; and that it has satisfied itself relative to the Work to be performed.**ADDENDA:** The Bidder acknowledges receipt of Addenda Nos. 1 through 1 inclusively.**ALABAMA IMMIGRATION LAW COMPLIANCE:** The Bidder acknowledges by initials RG that he/she will comply with H.B. 56 - Alabama Immigration Law Compliance.**BASE BID:** For construction complete as shown and specified, the sum of One million, One hundred  
Seventy five thousand, Eight hundred eighty six <sup>%</sup> Dollars (\$ 1,175,886.00 )**ALLOWANCES:** See Attachment A**BID SECURITY:** Required, attach completed Bid Bond**BIDDER'S ALABAMA LICENSE:**

State License for General Contracting:

47928  
License NumberUnlimited  
Bid LimitConcrete, drainage  
Culverts, sign.  
Type(s) of Work

**CERTIFICATIONS:** The undersigned certifies that he or she is authorized to execute contracts on behalf of the Bidder as legally named, that this proposal is submitted in good faith without fraud or collusion with any other bidder, that the information indicated in this document is true and complete, and that the bid is made in full accord with State law. Notice of acceptance may be sent to the undersigned at the address set forth below.

The Bidder also declares that a list of all proposed major subcontractors and suppliers will be submitted at a time subsequent to the receipt of bids as established by the Architect in the Bid Documents but in no event shall this time exceed twenty-four (24) hours after receipt of bids.

Legal Name of Bidder Gillespie Construction, LLC

Mailing Address 4565 Hwy 5 Jasper, AL 35503

\* By (Legal Signature)  (Seal)

\* Name & Title ( print) Ron Gillespie

Telephone Number 205-295-5203

Email Address ehenson@gillespieconstruction.net

- \* If other than an individual proprietor, or an above-named member of the Partnership, or the above-named president, vice-president, or secretary of the Corporation, attach written authority to bind the Bidder. Any modification to a bid shall be over the initials of the person signing the bid, or of an authorized representative.

ATTACHMENT A - ALLOWANCES

ALLOWANCES

Item A: Contingency allowance for use as directed by the Engineer

- A. Contingency allowance of \$50,000 shall be included in the base bid.

Item B: Quantity allowance for use as directed by the Engineer.

- A. Quantity allowance of 75 CY shall be included in the base bid.



# HIGHWAY 31 GATEWAY SIGN

## CITY OF VESTAVIA HILLS

### 1493 MONTGOMERY HIGHWAY

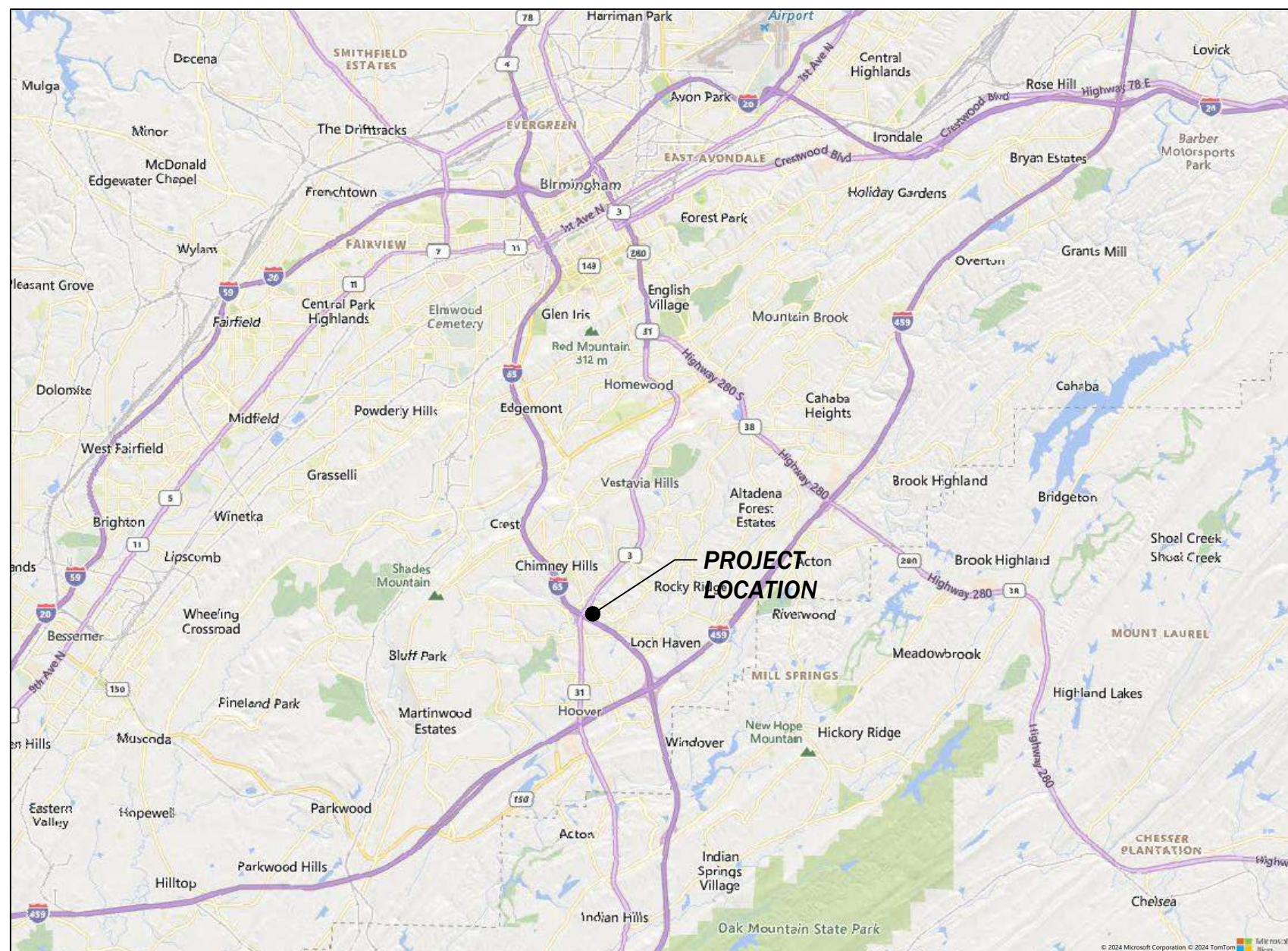
### JEFFERSON COUNTY, ALABAMA

AL-3 MM 266.34 - MM 266.42

TTL PROJECT NO. 000241100317



VICINITY MAP



**CITY CONTACT**

ETHAN FISHER, P.E.  
CITY ENGINEER  
1032 MONTGOMERY HWY  
VESTAVIA HILLS, AL 35216  
(205)978-0214

**APPROVAL AGENCIES**

ALDOT  
P.O. BOX 303050  
MONTGOMERY, AL 36130  
ANDREW PORTER  
PORTERA@DOT.STATE.AL.US

**ENGINEER**

CHRIS HARKINS, P.E.  
TTL, INC.  
10 INVERNESS CENTER PKWY STE. 350  
HOOVER, AL 35242  
(205)539-0384 EXT. 203

**STRUCTURAL**

SCOTT DOLLAR  
MAK STRUCTURAL  
351 CANYON PARK DR. STE. B  
PELHAM, AL 35124  
SDOLLAR@MAKEGR.COM

**LANDSCAPE ARCHITECT**

DUANE PRITCHETT, RLA  
ENVIRONMENTAL DESIGN STUDIO  
17 BURGESS DRIVE  
ODENVILLE, AL 35120  
(205)585-8414

**SURVEYOR**

DAVE ARRINGTON  
ARRINGTON ENGINEERING &  
LAND SURVEYING INC.  
2032 VALLEYDALE RD  
BIRMINGHAM, AL 35244  
(205)985-9315

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Environmental  
Design Studio  
Landscape Architecture  
Site Planning  
phone: 205.585.8414  
environmentaldesignstudio.com



**TTL**  
Job No.: 241103630

10 Inverness Center Parkway, Suite 350  
Birmingham, AL 35242  
205.539.0384 | www.ttlusa.com

JULY 14, 2025



GENERAL PROJECT NOTES

- THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AS PROVIDED BY UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES "POTHOLING" THEM BEFORE COMMENCING WORK. THE CONTRACTOR SHALL CONTACT ALABAMA ONE-CALL CITY OF VESTAVIA HILLS WATERWORKS & ENGINEERING DEPARTMENT, ETC. FOR UTILITY LOCATES. IN THE EVENT OF ANY DAMAGE TO IN-PLACE UTILITIES, THEY SHALL BE REPAIRED AND REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.
- ANY EXISTING PROPERTY CORNERS (I.E.- IRON PIPES,CAPPED PIPES, CAPPED MONUMENTS, ETC). DISPLACED OR DAMAGED DURING CONSTRUCTION SHALL BE RESET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE A FINAL PUNCH LIST/CLOSEOUT ITEM. PROJECT PROPERTY CORNERS SHALL BE STAKED AND FLAGGED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR MUST MAINTAIN ACCESSIBLE DRIVES AND PUBLIC ROADWAYS. ANY ADDITIONAL STONE, GRADING, INSTALLATION, ETC. TO MAKE SIDEWALKS, DRIVES, AND ROADWAYS ACCESSIBLE DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- THE CONTRACTOR SHALL KEEP THE PROJECT RIGHTS-OF-WAY CLEAN FROM TRASH AND DEBRIS. PLACEMENT/DISCARDING OF TRASH AND REFUSE IN UTILITY TRENCHES AND/OR OTHER EXCAVATIONS ASSOCIATED WITH THE PROJECT SHALL BE PROHIBITED. THE CONTRACTOR SHALL PROVIDE TRASH RECEPTACLES FOR WORKER USE. THE ROADWAYS AND SIDEWALKS SHALL BE SWEEPED AND WASHED DOWN TO LIMIT THE TRACKING OF DIRT FROM THE PROJECT ONTO PUBLIC RIGHTS-OF-WAY DAILY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- CONFLICTS MAY ARISE BETWEEN EXISTING AND PROPOSED UNDERGROUND FACILITIES. CROSSINGS OF REQUIRED AND EXISTING GRAVITY UTILITIES SHALL BE EXCAVATED AND ELEVATIONS VERIFIED AT THE BEGINNING OF THE PROJECT BEFORE ANY UTILITIES ARE INSTALLED TO MAKE SURE THERE ARE NO CONFLICTS. SOME OF THE EXISTING UTILITY STRUCTURES WERE BURIED AND INACCESSIBLE DURING THE TOPOGRAPHIC SURVEY OF THE PROJECT AREA. WHEN THESE CONFLICTS ARE IDENTIFIED, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE. ADJUSTMENTS AS SPECIFIED BY THE OWNER'S REPRESENTATIVE SHALL BE MADE IN THE PROPOSED AND/OR EXISTING FACILITIES. IF CONFLICTS OCCUR WHILE INSTALLING GRAVITY UTILITIES AND THE CONTRACTOR DID NOT IDENTIFY ELEVATIONS AT CROSSINGS IN ADVANCE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTIVE ACTION, INCLUDING BUT NOT LIMITED TO, REMOVING AND INSTALLING THE MAIN AND/OR STRUCTURES. WITH THE NUMEROUS EXISTING UTILITIES ON-SITE, IT IS IMPERATIVE THAT THESE BE VERIFIED BEFORE INSTALLATION OF PROPOSED WORK.
- AT THE END OF THE PROJECT THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT RIGHT-OF-WAY TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- EXISTING LANDSCAPED AREAS PARALLEL TO THE PROJECT IMPACTED/DAMAGED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
- ALL TEMPORARY STONES FOR ROADWAY, SIDEWALK, DRIVES, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO TEMPORARY STONES SHALL BE WASTED ON THE SITE SPECIFICALLY IN THE FINAL SUBGRADE LAYER AND TOPSOIL. EXCESSIVE STONE WILL INHIBIT THE GROWTH OF THE LANDSCAPE. ALL STONE SHALL BE REMOVED FROM AREAS TO RECEIVE TOPSOIL, NO EXCEPTIONS.
- PROJECT CONDITIONS FOR THIS PROJECT SHALL VARY IN TERMS OF MATERIAL, EXCAVATION HEIGHTS, WORKING SPACE, ETC. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTE THE CONDITIONS AND PREPARE HIS BID WITH ALL NECESSARY MEASURES IN TERMS OF SHORING, NETTING FOR FALLING DEBRIS, TRENCH BOXES, ETC. TO ALLOW WORK TO TAKE PLACE ON ALL LOCATIONS ON THE PROJECT. HE SHOULD FURTHER NOTE THAT THE PROJECT CONDITIONS WILL CHANGE AS CONSTRUCTION PHASING OCCURS. IT IS AGAIN THE CONTRACTOR'S SOLE RESPONSIBILITY TO PREPARE HIS BID WITH ALL MEASURES NECESSARY TO COMPLETE THE WORK, NO ADDITIONAL PAY SHALL BE CONSIDERED FOR MEASURES RELATED TO MEANS AND METHODS, WORKER'S SAFETY, ETC. AS THIS IS THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL RETAIN AS MUCH EXISTING PAVEMENTS ASSOCIATED WITH THE PROJECT AS POSSIBLE FOR ALL WEATHER WORKING SURFACE AND FOR EROSION CONTROL DURING CONSTRUCTION. AS THE PROJECT PHASES TO FINAL COMPLETION, THE CONTRACTOR SHALL REMOVE ALL REMAINING PAVEMENTS, ETC. TO COMPLETE THE FINAL IMPROVEMENTS AS SHOWN.
- THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE AT ALL TIMES.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CITY OF VESTAVIA HILLS, ALDOT, PRIVATE UTILITY COMPANIES, AND ANY OTHER OWNER OR GOVERNING AGENCY WITH EXISTING INFRASTRUCTURE OR JURISDICTION IN THIS AREA.
- ALDOT SHALL BE NOTIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

DEMOLITION NOTES

- ALL EXISTING STORM DRAIN INLETS/SANITARY SEWER MANHOLES WHICH ARE TO BE REMOVED BELOW FINISHED GRADE SHALL, AFTER THEIR REMOVAL, BE BACKFILLED WITH NO. 57 STONE MECHANICALLY COMPACTED IN 8" LIFTS WHERE EARTHEN MATERIAL IS TO BE PLACED OVER THE STRUCTURE LOCATION. THE CONTRACTOR SHALL INSTALL FILTER FABRIC TO PROVIDE SEPARATION BETWEEN THE STONE BACKFILL AND THE SURROUNDING EARTHEN MATERIAL.
- IN LOCATIONS WHERE EXISTING SANITARY OR STORM DRAIN ARE TO BE REMOVED, THE CONTRACTOR MAY BACKFILL WITH NO. 57 STONE AS NOTED ON THE DEMOLITION SHEETS OR BACKFILL WITH ENGINEERED EARTHEN FILL MATERIAL MEETING THE MATERIAL, COMPACTION, AND MOISTURE REQUIREMENTS SET FORTH BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT IN FULL FOR THIS INFORMATION.
- EXISTING PAVEMENTS SHALL BE RETAINED IN-PLACE FOR AS LONG AS POSSIBLE DURING CONSTRUCTION ACTIVITIES. THE EXISTING PAVEMENTS ACT AS AN EROSION CONTROL MEASURE TO KEEP THE SITE'S SOILS STABILIZED AND MINIMIZE OFFSITE SOIL RUNOFF.
- THE CONTRACTOR SHALL NOTE THAT SOME OF THE EXISTING STORM DRAIN AND SANITARY SEWER MAINS THROUGH THE SITE CONTAIN PASSES THROUGH FLOWS FROM OFFSITE. THE CONTRACTOR SHALL BE FULLY AND COMPLETELY RESPONSIBLE FOR MAINTAINING THESE FLOWS WITHOUT INTERRUPTION AT ALL TIMES DURING CONSTRUCTION. BEFORE ANY EXISTING PIPES ARE REMOVED OR SLURRY-FILLED, THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS INCLUDING BYPASS PUMPING, ETC. TO ENSURE THAT FLOWS ARE UNIMPEDED.
- CONTRACTOR SHALL COORDINATE WITH ALABAMA POWER COMPANY FOR THE REMOVAL AND RELOCATION OF ALL EXISTING UTILITY AND LIGHT POLES. NO UTILITY POLES, TRANSFORMERS, ELECTRICAL LINES, LIGHT POLES, ETC. SHALL BE REMOVED WITHOUT APPROVAL BY APCO.
- CONTRACTOR SHALL SLURRY FILL ALL UTILITY POLE HOLES WHICH REMAIN AFTER POLE REMOVAL BY APCO WITH 100 TO 200 PSI FLOWABLE FILL GROUT.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES (I.E. COMCAST, ALAGASCO, AT&T, CITY OF VESTAVIA HILLS, ETC.) TO CONFIRM THAT THEIR SERVICES HAVE BEEN TERMINATED AND CAPPED PRIOR TO REQUIRED REMOVAL.
- THE PROJECT DEMOLITION, CLEARING AND GRUBBING GENERAL AREAS HAVE BEEN REFLECTED ON THE DEMOLITION PLAN. THE AREA IS GENERAL IN NATURE AND IS INTENDED TO GIVE THE CONTRACTOR AN APPROXIMATE AREA OF DEMOLITION. REGARDLESS OF THE AREA SHOWN, THE CONTRACTOR SHALL DEMOLISH, CLEAN AND GRUB ALL AREAS AND EXISTING INFRASTRUCTURE (ABOVE AND BELOW GROUND) NECESSARY TO COMPLETE ALL FINAL IMPROVEMENTS AS SHOWN ON THE CIVIL, ARCHITECTURAL, LANDSCAPE/IRRIGATION, ETC. CONSTRUCTION PLANS.
- ALL AREAS DISTURBED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO ACTUAL IMPROVED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED TO THE REQUIREMENTS OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AREAS ON THE DEMOLITION PLANS REFLECT THE GENERAL PROJECT AREA. THE CONTRACTOR MAY ULTIMATELY DISTURB MORE THAN THIS HATCHED. THERE SHALL BE NO ADDITIONAL PAY FOR IMPROVING DISTURBED AREAS REGARDLESS FOR HOW IT WAS DISTURBED.
- ANY PERMANENT AND/OR CONSTRUCTION FENCING (EXISTING OR REQUIRED PER THE PLANS) REQUIRED TO BE REMOVED/RESET FOR INSTALLATION OF SITE, UTILITY, BUILDING, ETC. IMPROVEMENTS SHALL BE DONE SO AT NO ADDITIONAL COST TO THE PROJECT AND IS CONSIDERED INCIDENTAL. THE PLANS HAVE BEEN NOTED WITH GENERAL AREAS THIS IS TO OCCUR IN. THE REMOVAL AND/OR REPLACEMENT LIMITS WILL BE DETERMINED IN THE FIELD.

GRADING AND STAKING NOTES

- ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 6" TOPSOIL APPLIED, BE GRASSED AND MULCHED, AND/OR SODDED AS SOON AS FINAL GRADING IS COMPLETE. REFER TO EROSION CONTROL NOTES FOR TEMPORARY GRASSING AND MULCHING DURING GRADING OPERATIONS (SEE LANDSCAPE PLANS FOR ADDITIONAL TOPSOIL THICKNESS INFORMATION).
- ALL ENGINEERED FILL MATERIALS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE WELL IN ADVANCE OF FILL OPERATIONS. THE CONTRACTOR SHALL IDENTIFY ALL BORROW SOURCES FOR PD SAMPLES TO BE TAKEN AND EVALUATED. ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE COMPACTED IN LOOSE 8" LIFTS AS PER THE OWNER'S REPRESENTATIVES REQUIREMENTS. SEE THE GEOTECHNICAL REPORT FOR THIS INFORMATION.
- THE CONTRACTOR SHALL CLEAR AND GRUB AS NECESSARY WHERE GRADING OPERATIONS ARE TO BE PERFORMED AS SHOWN. THE MAJORITY OF THE PROJECT WILL REQUIRE CLEARING AND REMOVAL OF EXISTING SIDEWALK, DRIVES, CURB AND GUTTER, CURBING, TREE STUMP REMOVAL, TOPSOIL, GRADING, ETC. AS SHOWN THROUGHOUT THE PROJECT CONSTRUCTION PLANS AND CONTRACT DOCUMENTS.
- ALL EXISTING WATER VALVES, UTILITY VAULT TOPS, METER BOXES, ROADWAY SIGNS, INFORMATIONAL SIGNS, ETC. NOTED ON THE DEMOLITION PLAN SHALL BE REMOVED, STOCKPILED IN A SECURE LOCATION, AND/OR RESET AS PER THE CONTRACT DOCUMENTS.
- BEFORE FINAL GRADING THE CONTRACTOR SHALL MAKE SURE UTILITIES INCLUDING STORM DRAIN, SANITARY, WATER DISTRIBUTION AND FIRE PROTECTION, ELECTRICAL, VIDEO, IRRIGATION, ETC. IMPROVEMENTS HAVE BEEN INSTALLED.
- GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE, UNCLASSIFIED EXCAVATION, AND BORROW EXCAVATION, ROCK REMOVAL, ETC. TO BRING THE SITE TO FINISHED SUBGRADE (ONLY LEAVING PAVEMENTS AND TOPSOIL TO REACH FINAL FINISHED GRADE) AS SHOWN ON THE CONSTRUCTION PLANS. NO EXTRA PAYMENT WILL BE MADE FOR EXCESS MATERIAL BROUGHT ON-SITE, MATERIAL REQUIRED TO BE MOVED MULTIPLE TIMES BECAUSE OF CONSTRUCTION PHASING, OR EXCESS MATERIAL TO BE REMOVED FROM THE SITE UPON GRADING COMPLETION.
- THERE SHALL BE NO DEBRIS (ROOTS, ROCKS, ETC.) IN THE TOPSOIL LARGER THAN 1" IN DIAMETER. THERE ALSO SHALL BE NO WASTED TEMPORARY GRAVEL, CONCRETE, OR ANY OTHER BUILDING MATERIALS FOUND IN THE TOPSOIL. ANY FOUND DEBRIS SHALL BE REMOVED IMMEDIATELY.
- PAYMENT FOR DISPOSAL OF UNSUITABLE MATERIAL "IF ENCOUNTERED" SHALL BE MADE PER THE BID FORM.
- ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE COMPACTED IN LOOSE 8" LIFTS TO 98%, ASTM D 698 MINIMUM AS DIRECTED BY THE GEOTECHNICAL REPRESENTATIVE. THE GEOTECHNICAL REPORT COMPACTION REQUIREMENTS SHALL BE THE REQUIREMENT FOR THE PROJECT.

STORM DRAIN NOTES

- STORM DRAIN STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING AND/OR INLET THROAT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- STORM DRAIN STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE STORM STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
- ALL REQUIRED STORM SEWER STRUCTURE RING AND COVER TOPS SHALL MATCH TOP OF CURB, ROADWAY AND/OR VEGETATED FINISHED GRADE ELEVATIONS UNLESS NOTED OTHERWISE ON THE CONSTRUCTION PLANS. ANY ADJUSTMENTS TO LEVEL RING AND COVER TOP ELEVATIONS WITH FINAL ASPHALT, SODDING, ETC. SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE STORM DRAIN STRUCTURE INSTALLATION.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORMWATER FLOW IN EXISTING AND PROPOSED STORM SEWERS WITHIN THE PROJECT LIMITS AND IF AFFECTED BY CONSTRUCTION ACTIVITIES, OUTSIDE THE PROJECT LIMITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND ALL MATERIAL AND LABOR REQUIRED FOR TEMPORARY STORM SEWERS AND/OR PUMPS THAT MAY BE REQUIRED FOR BYPASSING. THE OWNER OR ITS REPRESENTATIVES SHALL NOT ACCEPT ANY RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY, OR ACCEPT ANY RESPONSIBILITY FROM CLAIMS OR DAMAGES RESULTING FROM THE FAILURE OF THE CONTRACTOR'S TEMPORARY STORM SEWER BYPASS FACILITIES.
- ALL STORM DRAIN STRUCTURES ARE REQUIRED TO HAVE REBAR REINFORCEMENT IN THE WALLS, BOTTOM, AND TOP. ALTHOUGH THE TOPS VARY FOR AN S-INLET, GRATE INLET, AND JUNCTION BOX, THE BOX ITSELF IS THE SAME AND REBAR REINFORCEMENT SHALL BE PLACED PER THE STANDARD DETAIL AND NOTES.
- ANY EXISTING STORM STRUCTURES RETAINED AS PART OF THIS PROJECT SHALL BE THOROUGHLY CLEANED, WALLS WIPED WITH GROUT TO MAKE WATER TIGHT, INVERTS FORMED IF NECESSARY, EXISTING PIPING/DRAINS REGROUTED, ETC.
- CONICAL MANHOLE SECTIONS AND MANHOLE RIMS AND COVERS SHALL BE ORIENTED AS PER THE PLANS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO ENSURE THE BEST ACCESS INTO THE MANHOLE. FAILURE TO ORIENT CORRECTLY SHALL RESULT IN REORIENTATION AT THE CONTRACTOR'S EXPENSE.
- WHEN TYING TO EXISTING UTILITY PIPING WITH STORM DRAIN, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
- CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH STORM STRUCTURE CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION MATCHES FINAL PAVEMENT ELEVATION. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO MATCH PAVEMENT.
- THE CONTRACTOR MAY USE PRECAST CONCRETE STORM STRUCTURES FOR THE STANDARD/SPECIAL STRUCTURES REQUIRED ON THE CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE.
- THE CONTRACTOR SHALL GROUT AS NECESSARY ALL LIFTING HOLES IN STORM DRAIN PIPING SECTIONS BEFORE BACKFILL. THIS SHALL BE REQUIRED REGARDLESS IF PREFABRICATED LIFTING PLUGS ARE USED OR NOT. THE COMBINATION OF THE TWO (2) IS RECOMMENDED TO ENSURE THAT THE LIFTING HOLES DO NOT REMAIN OPEN ALLOWING EARTHEN MATERIAL TO ENTER THE DRAIN POSSIBLY CAUSING A SINK HOLE AT THE SURFACE.

GENERAL UTILITY NOTES

- ALL STORM DRAIN AND SANITARY SEWER SYSTEM STRUCTURES AND PIPING SHALL REMAIN ACTIVE UNTIL PROPOSED PROJECT UTILITIES ARE INSTALLED AND CAN COME INTO SERVICE. THIS APPLIES TO AREA INLETS IN YARDS AND/OR ROOF DRAINS. ANY WATER OR SEWER DAMAGE TO PRIVATE PROPERTY DUE TO FAILURE OF THE CONTRACTOR TO COORDINATE REMOVAL OF EXISTING UTILITIES AND TIE-INS TO REQUIRED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR INCLUDING ALL CLEANUP AND ADDITIONAL WORK REQUIRED TO CORRECT THE DAMAGE.
- THERE SHALL BE NO PAY FOR REMOVAL OF EXISTING UTILITY PIPING/CONDUITS, INCLUDING BUT NOT LIMITED TO STORM DRAIN, SANITARY SEWER, WATER MAIN, AT&T CONDUIT, ALAGASCO MAINS, ALABAMA POWER CONDUIT, COMCAST CONDUIT, ETC., THAT ARE LOCATED WHERE PROPOSED UTILITY TRENCHES AND EXCAVATIONS OCCUR. IN AREAS WHERE EXISTING UTILITY PIPING/CONDUITS ARE REMOVED REQUIRING EXCAVATION AND STONE BACKFILL OUTSIDE OF PROPOSED UTILITY TRENCHES AND EXCAVATION AREAS, PIPE SHALL BE PAID FOR AS PER THE UNIT PRICE BID SCHEDULE, IF ANY. THE PURPOSE IS TO AVOID PAYING FOR REMOVAL OF ITEMS THAT SHALL BE REMOVED OR DEMOLISHED IN THE COURSE OF EXCAVATING PROPOSED ITEMS. ANY REMOVAL PAY ITEMS NOT LISTED IN THE UNIT PRICE BID SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL REMOVE/RESET/RAISE ALL PRIVATE UTILITY COMPANY BOXES, MANHOLE RING AND COVER, ETC. IF THESE ITEMS ARE BEING RETAINED, ANY ITEMS DAMAGED DURING THIS WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- WHEN INSTALLING UTILITIES, THE CONTRACTOR SHALL REFERENCE THE STORM DRAIN, SANITARY SEWER, WATER DISTRIBUTION/FIRE PROTECTION, ETC. CONSTRUCTION PLANS TO MAKE SURE INDIVIDUAL UTILITIES AND/OR POLES ARE PLACED IN THE CORRECT HORIZONTAL AND VERTICAL LOCATIONS TO MAINTAIN SPACING AND MINIMUM COVER.
- ALL UTILITY IMPROVEMENTS SHALL BE BACKFILLED PER THE TRENCH DETAILS. (SEE SPECIAL UTILITY PROJECT NOTES)

PAVING, SIGNING AND STRIPING NOTES

- THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENTS JOIN TO EXISTING CLEANLY.
- ALL COMBINATION CURB AND GUTTER SHALL BE 30 INCHES IN WIDTH UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. EXISTING CURB AND GUTTER VARIES IN WIDTH AND PROPOSED CURB AND GUTTER SHALL BE TAPERED TO JOIN TO IT OVER A MINIMUM DISTANCE OF FIVE (5) FEET TO ENSURE A SMOOTH TRANSITION.
- ALL PERMANENT SIGNS AND POSTS SHALL BE OF COLOR AND TYPE SHOWN AND SHALL CONFORM TO ALDOT REQUIREMENTS.
- ALL TEMPORARY CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY CONSTRUCTION SIGN POSTS SHALL BE #3 "U" CHANNEL POSTS, ALDOT 710B.
- ALDOT REQUIRES A HIGH LEVEL OF FINISH TO THEIR SIDEWALK AND CURB AND GUTTER. THE CONTRACTOR SHALL MAKE SURE HIS MIX IS OPTIMUM AND NOT TOO DRY/WET WHICH MAY LEAD TO PITTING, CRACKING, AND TEXTURE TYPE PROBLEMS WHEN FINISHING THE CONCRETE. POORLY FINISHED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- CONCRETE CONTROL JOINTS SHALL BE MEASURED FOR DEPTH. THEY MUST BE INSTALLED PROPERLY FOR CONTROL CRACKING OF THE CONCRETE PAVEMENT. IMPROPERLY INSTALLED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE FINAL PAVEMENT FINISH IS VERY IMPORTANT FOR THE PROJECT AND THE OWNER. THE CONTRACTOR SHALL MAKE ALL PAVEMENT ARE FINISHED OUT SMOOTHLY AND CLEANLY. IRREGULARITIES, "BIRD BATHS", RANDOM CRACKING, ETC. SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.

ALDOT NOTES:

- THE POSTED SPEED LIMIT FOR U.S. HIGHWAY 31 IS 40 MPH
- ALL METERS ARE TO BE INSTALLED OFF ALDOT RIGHTS-OF-WAY.
- THE CONTRACTOR SHALL INSTALL ALL MANHOLES, VALVE BOXERS, AND HAND HOLES MOUNTED FLUSH WITH GROUND.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT MANAGER AT 205-581-5702 48 HOURS PRIOR TO BEGINNING WORK ON ALDOT RIGHT-OF-WAY.
- THE CONTRACTOR SHALL WRITE LETTER REQUESTING TO MEET WITH DISTRICT PERMIT COORDINATOR UPON COMPLETION OF PERMITTED WORK TO EVALUATE PUNCH LIST FOR COMPLETION OF PROJECT.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
- THE CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES
  - APPROVED PERMIT AND PLANS
  - TRAFFIC CONTROL PLAN
  - EROSION CONTROL PLAN
- ALL DISTURBED AREAS SHALL BE RESODED OR SEEDED IN ACCORDANCE WITH THE LATEST ALDOT SPECIFICATIONS FOR GRASSING OR AS DIRECTED BY THE ALDOT DISTRICT ADMINISTRATOR.
- BEST MANAGEMENT PRACTICES WILL BE UTILIZED ON THE PROJECT.
- THE AMOUNT OF AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PERMIT IS .03 ACRES.
- CONTRACTOR SHALL ENSURE THAT ALL PERMITTED WORK WILL MEET OR EXCEED ALDOT SPECIFICATIONS.
- ALL CONTRACTORS MUST MEET OR EXCEED OSHA STANDARDS.
- ROW MARKERS OR MONUMENTS SHALL NOT BE DISTURBED.
- DAMAGE TO ANY EXISTING SIDEWALKS OR RAMPS AND NEW SIDEWALKS OR RAMPS MUST MEET ADA STANDARDS.
- WORK SHALL ONLY TAKE PLACE BETWEEN 8:30AM AND 3:30 PM MONDAY THROUGH FRIDAY UNLESS OTHERWISE NOTES.
- DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE IN AN AREA DESIGNATED BY THE ENGINEER AND APPROVED BY THE DISTRICT MANAGER AND DELINEATED BY REFLECTORIZED DRUMS.
- ALDOT FIBER OPTIC UTILITIES SHALL BE FIELD VERIFIED AND SHOWN ON THE PLANS IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK. CONTACT EAST CENTRAL TRAFFIC MGMT. CENTER TO VERIFY AT 205-251-1397.
- THE CONTRACTOR MUST NOTIFY ALDOT DAILY 30 MINUTES BEFORE WORK IS SCHEDULED FOR ANY LANE CLOSURES AND ROLLING ROAD BLOCKS. THE CONTRACTOR MUST NOTIFY ALDOT UPON COMPLETION OF SCHEDULED CLOSURES. MON-FRI AT 205-581-5702 FROM 8AM-5PM AND WEEKEND/ AFTER HOURS AT 205-251-1397.
- CONSTRUCTION ACTIVITIES AT THE INDICATED WORK AREA SHALL ONLY BE PERMITTED ON SUNDAY MORNING FROM 6AM-10AM. CONTRACTOR SHALL INFORM THE ALABAMA DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING DEPARTMENT OF EXPECTED CONSTRUCTION DATES PRIOR TO BEGINNING OF CONSTRUCTION.
- A SCHEDULE OF OPERATIONS SHALL BE PROVIDED FOR ALL AERIAL CROSSINGS AND / OR ANTICIPATED TRAFFIC INTERRUPTIONS.
- ALL EXISTING UTILITIES, APPURTENANCES, DRAINAGE STRUCTURES, AND ACCESSORIES WITH DIMENSIONS FROM EDGE OF PAVEMENT AND RIGHT OF WAY ARE SHOWN ON THE PLANS.
- NO TRENCH OR EXCAVATION SHALL BE LEFT OPEN OVERNIGHT OR UNATTENDED ON ROW UNLESS PROPERLY PROTECTED. TRENCHES OR EXCAVATION MUST BE FILLED, FENCED, COVERED, OR BARRICADED WHEN UNATTENDED.

**TTL**

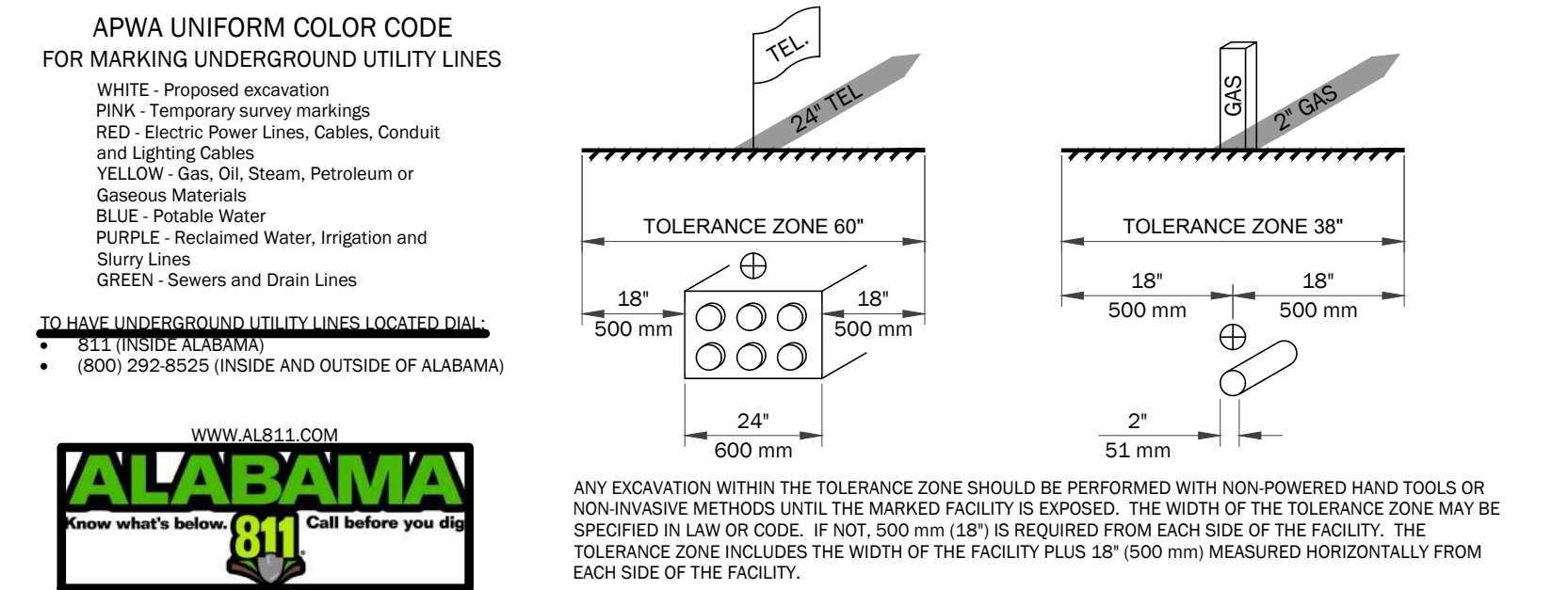
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EROSION CONTROL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION. AN EROSION CONTROL PLAN IS PROVIDED AS A MINIMUM GUIDE FOR PROVIDING STRUCTURAL BMP'S. PHASING, TEMPORARY GRASSING, AND OTHER METHODS AS PROVIDED IN THE ALABAMA HANDBOOK FOR EROSION CONTROL. SEDIMENT CONTROL AND STORM WATER MANAGEMENT, SHALL BE UTILIZED TO MINIMIZE EROSION. NO EXTRA COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR MAINTAINING EROSION CONTROL ITEMS OR ADDITIONAL EROSION CONTROL ITEMS REQUIRED TO COMPLY WITH THE NPDES PERMIT.
- ANY FINES INCURRED DUE TO FAILURE TO MAINTAIN EROSION CONTROL MEASURES SHALL BE PAID FOR BY THE CONTRACTOR. ANY ADDITIONAL WORK AND MATERIALS REQUIRED TO COMPLY WITH ANY VIOLATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ALL TEMPORARY RIPRAP USED FOR EROSION CONTROL PURPOSES SHALL BE INCLUDED IN THE PRICE OF EROSION CONTROL. TEMPORARY RIPRAP BERMS SHALL BE SPREAD OUT IN AREAS WHERE PERMANENT RIPRAP IS REQUIRED AND SHALL BE SPREAD IN A MANNER TO NOT IMPEDE FLOW OF STORM DRAINS AFTER THE SITE IMPROVEMENTS ARE COMPLETE AND THE PROJECT IS STABILIZED. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR TEMPORARY RIPRAP OR SPREADING IT UPON COMPLETION OF THE SITE IMPROVEMENTS. ALL TEMPORARY RIPRAP THAT IS SPREAD FOR USE AS PERMANENT RIPRAP SHALL BE PLACED ON THE STONE BEDDING AND FILTER FABRIC AS SHOWN IN THE DETAILS. COSTS FOR STONE AND FILTER FABRIC PLACED UNDERNEATH ALL TEMPORARY RIPRAP THAT IS SPREAD IN PERMANENT LOCATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EROSION CONTROL MANAGEMENT AND MAINTENANCE, OR IF THERE ARE NO UNIT PRICES, THE COST SHALL BE INCIDENTAL TO THE PROJECT.
- THE PROJECT AREA SHALL REMAIN CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO KEEP THE PROJECT AREA CLEAN, INCLUDING MOTORIZED STREET SWEEPERS, WATER AND VACUUM TRUCKS, HAND SWEEPING AND SHOVELING, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADDRESS THIS ISSUE EACH DAY INCLUDING WEEKENDS AND SPECIFICALLY PRE AND POST RAIN EVENTS.
- THE CONTRACTOR SHALL IDENTIFY WORK AREA ENTRANCE/EXIT LOCATIONS FOR EQUIPMENT AND INSTALL TEMPORARY GRAVEL DRIVES TO REDUCE TRACKING ONTO PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS CLEAN OF ANY SEDIMENT FROM THE CONSTRUCTION SITE ON A DAILY BASIS, NO EXCEPTIONS.
- ALL DISTURBED AREAS, INCLUDING THE EARTHEN STOCKPILES, SHALL BE MULCHED UPON COMPLETION OF GRADING OPERATIONS. ADEM REGULATIONS REQUIRE ALL DISTURBED AREAS NOT UNDERGOING ACTIVE DISTURBANCE OR ACTIVE CONSTRUCTION FOR LONGER THAN THIRTEEN (13) DAYS TO BE PROVIDED WITH TEMPORARY GROUND COVER.
- THE CONTRACTOR SHALL INSTALL WATTLES, SANDBAGS, AND/OR SILT FENCE TRENCHED THROUGH PAVEMENT AFTER SAW-CUTTING THE ASPHALT TO AVOID RUNOFF INTO OTHER ROADWAYS, DRIVES, AND AREAS PARALLEL AND ADJACENT TO THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADDRESS THIS ISSUE EACH DAY INCLUDING WEEKENDS AND SPECIFICALLY PRE AND POST RAIN EVENTS.
- THERE MAY BE LOCATIONS WHERE SILT FENCE MAY BE NEEDED ACROSS EXISTING PAVEMENT THAT IS TO BE RETAINED FOR TEMPORARY ALL WEATHER WORKING SURFACE AND/OR LAYDOWN YARD. IN THESE LOCATIONS THE EXISTING PAVEMENT SHALL BE SAW-CUT ENOUGH TO TRENCH THE SILT FENCE PROPERLY IN THE GROUND. SAND BAGS AND/OR PROPERLY SECURED SEDIMENT CONTROL LOGS COULD SERVE THIS PURPOSE AS WELL.
- WATTLES FOR SEDIMENT CONTROL SHALL HAVE A MINIMUM DIAMETER OF 20".
- THE CONTRACTOR SHALL INSTALL STONE AND/OR STABILIZE ENTRANCE/EXIT, SIDEWALKS, ROADWAY/DRIVES, ETC. AS NECESSARY. ALL STONES FOR CONSTRUCTION ENTRANCE/EXIT, SIDEWALKS, ROADWAY/DRIVES, ETC. ARE CONSIDERED INCIDENTAL REGARDLESS THE NUMBER OF TONS FRESH STONE IS REQUIRED FOR EROSION CONTROL MEASURES. AT THE END OF THE PROJECT, ALL STONE SHALL BE REMOVED AND NOT WASTED ON THE PROJECT SITE.
- WHEN INSTALLING SILT FENCE OR OTHER BMP'S, THE CONTRACTOR SHALL USE THE LOCATIONS PROVIDED ON THE DRAWINGS OR THE CBMPMP. WASTEFUL AND/OR POORLY PLANNED INSTALLATIONS SHALL NOT RECEIVE ADDITIONAL PAY FOR REINSTALLATION AFTER MOVING TO ANOTHER PHASE OF THE WORK.
- ALL INLETS/STRUCTURES SHALL BE COVERED BY DOMED INLET PROTECTORS DURING CONSTRUCTION TO AVOID SEDIMENT RUNOFF. THESE UNITS SHALL BE KEPT CLEAN DURING CONSTRUCTION. IF THE INLET/STRUCTURE IS TOO LARGE, THEN SEDIMENT LOGS OR SILT FENCE SHALL BE USED TO PROTECT THE INLET.
- ALL MEANS NECESSARY SHALL BE USED TO ESTABLISH TEMPORARY EROSION CONTROL INCLUDING EROSION CONTROL NETTING, SODDING, REPEATED SEEDING AND MULCHING, ETC.
- A BEST MANAGEMENT PLAN SHALL AT A MINIMUM RETURN ALL EXPOSED OR DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION WITH AT LEAST A GOOD STAND OF GRASS AND/OR SOD. EROSION CONTROL MEASURES INCLUDING CONSTRUCTION EXIT PADS, SHOWN HEREIN TO PREVENT EROSION AND SEDIMENT RUNOFF ARE A MINIMUM AND SHALL NOT BE INTERPRETED AS BEING ALL THAT IS REQUIRED FOR THE PROJECT. CONTRACTOR SHALL BE MINDFUL DURING ALL PHASES OF CONSTRUCTION AND INSTALL AND UTILIZE ANY AND ALL ADDITIONAL ITEMS NECESSARY TO CONTROL ALL EROSION AND SEDIMENTATION ON THE PROJECT AT ALL TIMES AS REQUIRED BY ADEM AND THE ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, MOST RECENT EDITION.
- OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO DIRECT ADDITIONAL ITEMS OR REVISE IN-FIELD PLACEMENT OF EROSION CONTROL ITEMS AS DEEMED NECESSARY DURING ALL PHASES OF THE PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT ALL SANITARY OR STORM SEWER MAINS AND MANHOLES ON A CONTINUAL BASIS IF CONSTRUCTION DEBRIS ENTERS SUCH MAINS. IN NO EVENT SHALL CONTRACTOR DISPOSE OF ANY DEBRIS OR MATERIALS IN SEWERS. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SUCH DEBRIS OR MATERIAL TO SATISFACTION OF OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL BE OBSERVANT OF FORECASTED RAIN EVENTS AND PROMPTLY REPAIR, MAINTAIN, INSTALL NECESSARY EROSION CONTROL ITEMS PRIOR TO SUCH RAIN EVENTS. CONTRACTOR SHALL PROMPTLY MEDIATE, CLEAN UP, REMOVE ANY EROSION OR SEDIMENTATION FROM ALL EROSION CONTROL ITEMS, STRUCTURES, TRAPS, BASINS, ETC. AND REPAIR, MAINTAIN, RE-INSTALL, SUPPLEMENT SUCH IMMEDIATELY FOLLOWING EACH RAIN EVENT OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
- ALL CONCRETE WASHOUT WATER SHALL BE COLLECTED IN A LEAK PROOF CONTAINER SO THAT IT DOES NOT REACH THE SOIL SURFACE AND THEN MIGRATE TO SURFACE WATERS OR INTO GROUNDWATER. ALL OF THE COLLECTED CONCRETE WASHOUT WATER AND SOLIDS SHALL BE RECYCLED.

EXISTING UTILITY NOTES



ANY EXCAVATION WITHIN THE TOLERANCE ZONE SHOULD BE PERFORMED WITH NON-POWERED HAND TOOLS OR NON-INVASIVE METHODS UNTIL THE MARKED FACILITY IS EXPOSED. THE WIDTH OF THE TOLERANCE ZONE MAY BE SPECIFIED IN LAW OR CODE. IF NOT, 500 mm (18") IS REQUIRED FROM EACH SIDE OF THE FACILITY. THE TOLERANCE ZONE INCLUDES THE WIDTH OF THE FACILITY PLUS 18" (500 mm) MEASURED HORIZONTALLY FROM EACH SIDE OF THE FACILITY.

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City of Vestavia Hills

Highway 31 Gateway Sign

Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO:	240317
SHEET TITLE :	

GENERAL NOTES

SHEET NUMBER:

C-0.1

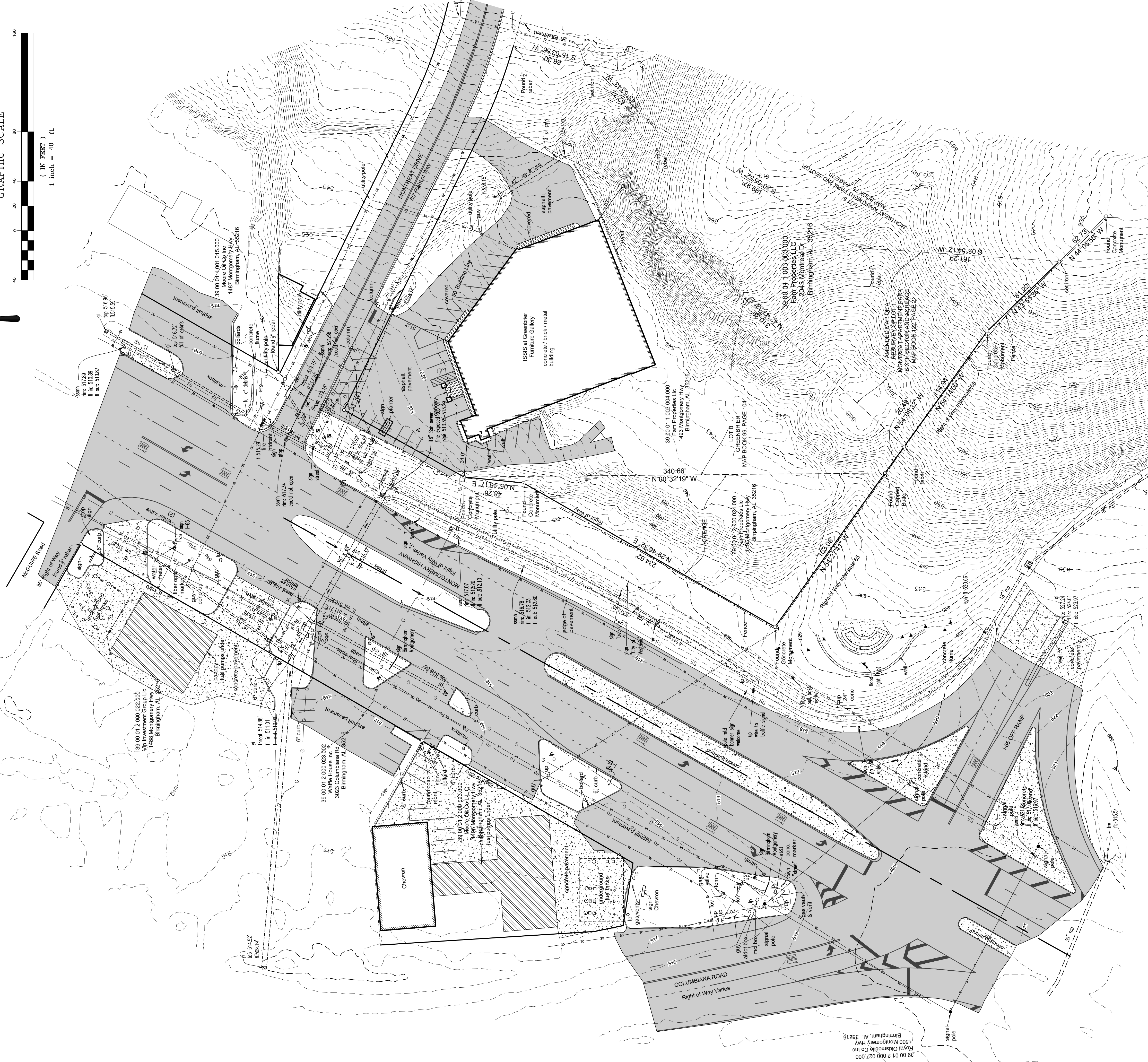
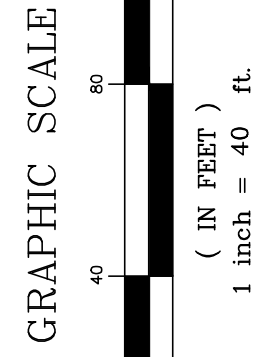
SEQUENCE: 2 of 17





TOPOGRAPHIC SURVEY  
U.S.HIGHWAY NO.31

**SURVEY CONTROL**  
THE BASIS OF COORDINATES SHOWN ON THIS SURVEY ARE BASED ON ALABAMA STATE PLANE WEST ZONE, GRID NORTH, NAD 83(2011) AND VERTICAL DATUM IS NAVD 88 (GEOID 12B) ELEVATION AND POSITION WAS OBTAINED FROM R.T.K OBSERVATION USING THE ALDOT COORS NETWORK AS CONTROL.



LEGEND	
	BENCHMARK
	EXISTING SPOT ELEVATION
	TELEPHONE LINE
	FIBER OPTIC LINE
	UNDERGROUND COMMUNICATION
	WATER LINE
	GAS LINE
	SANITARY LINE
	CHAIN LINK FENCE
	WOOD FENCE
	GUARD RAIL
	MAJOR CONTOURS
	MINOR CONTOURS
	WALL
	ASPHALT
	CONCRETE
	GRAVEL
	BRICK
	STONE/FLAGSTONE/ RIP-RAP
	COVERED WALK/CANOPY
	LANDSCAPED AREA
	FLOODWAY PER FEMA
	100 YEAR FLOOD ZONE PER FEMA
	HANDICAP MARKING
	CORNER MONUMENT
	BOLLARD
	MAILBOX
	SIGN
	ELECTRIC METER
	ELECTRIC BOX
	ELECTRICAL MANHOLE
	TRAFFIC LIGHT POLE
	TRAFFIC SIGNAL BOX
	CROSS WALK
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	WATER MARKER
	TELEPHONE MANHOLE
	TELEPHONE PEDESTAL
	FIBER OPTIC BOX
	FIBER OPTIC MARKER
	GAS VALVE
	GAS REGULATOR
	GAS METER
	GAS MARKER
	STORM MANHOLE
	GRATE INLET
	YARD INLET
	DOWNSPOUT
	SANITARY MANHOLE
	CLEANOUT

ABBREVIATIONS	
FEE	FINISH FLOOR ELEVATION
C/L	CENTERLINE
N.T.S.	NOT TO SCALE
(M)	MEASURED
(D)	DEED
(P)	PLAT
ROW	RIGHT OF WAY
FL	FLOWLINE
FLG	FLOWLINE GUTTER
INV	INVERT
INV.G	INVERT GUTTER
SWI	SINGLE WING INLET
DWI	DOUBLE WING INLET
CI	CURB INLET
GI	GRATE INLET
YI	YARD INLET
STMH	STORM MANHOLE
SSMH	SANITARY MANHOLE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
PVC	POLY-VINYL CHLORIDE PIPE
CPP	CORRUGATED PLASTIC PIPE
VC	VITRIFIED CLAY
BOW	BOTTOM OF WALL
TOW	TOP OF WALL
BOC	BOTTOM OF CURB
TOC	TOP OF CURB
HC	HANDICAP SIGN
LP	LIGHT POLE
FOV	FIBEROPTIC VAULT
FOM	FIBEROPTIC MARKER
UP	UTILITY POLE

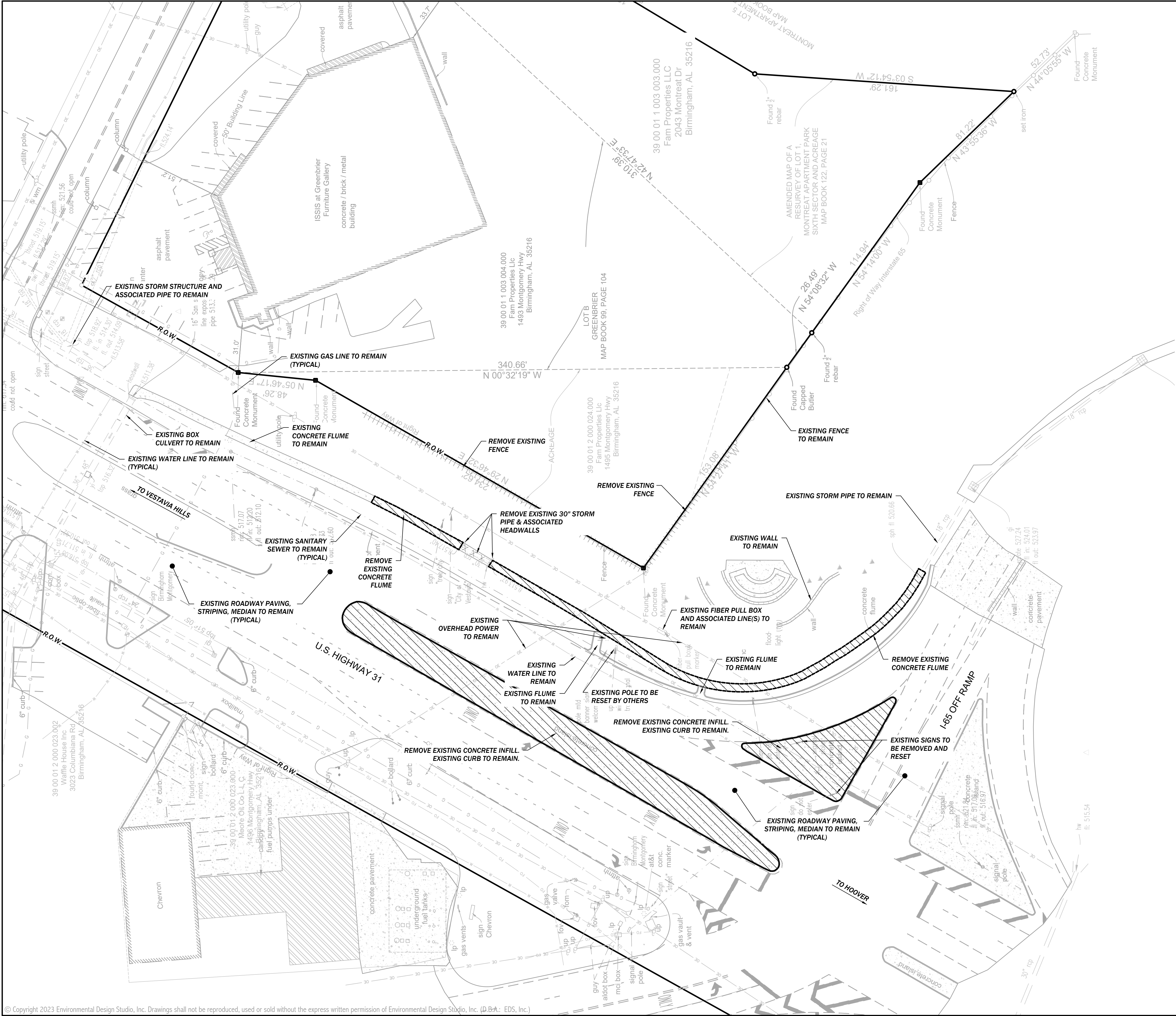
I HEREBY STATE THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

SURVEYOR: DATE: 2-1-2025  
JEFF D. ARRINGTON  
ALABAMA NO. 18864

OFFICE: (205) 985-9315  
FAX: (205) 985-9385  
2032 Valeville Road  
Birmingham AL 35244

DRAWING TITLE		DRAWN BY	
TOPOGRAPHIC SURVEY U.S.HIGHWAY NO.31		JDA	
LOCATION & DESCRIPTION		CHECKED BY:	
VESTAVIA HILLS, ALABAMA		JDA	
		DATE:	
		9-29-2023	
		SCALE:	
		1" = 40'	
		PARTY CHIEF:	
		JJ	
		PROJECT NO.:	
		82488	
		SHEET	
		1 OF 1	





TTL

Job No.: 241103630

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DEMOLITION LEGEND

- APPROXIMATE LIMITS OF ASPHALT  
& CONCRETE PAVEMENT REMOVAL
- EXISTING FENCE DEMOLITION
- EXISTING UTILITY DEMOLITION/SLURRY FILL

- NOTES:
- SEE SHEET C-0.1 FOR ALL APPLICABLE NOTES.
  - SEE SHEET L-1.0 FOR ALL LANDSCAPE DEMOLITION.

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City of Vestavia Hills

Highway 31 Gateway Sign

Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO.:	240317
SHEET TITLE:	

SITE DEMOLITION PLAN

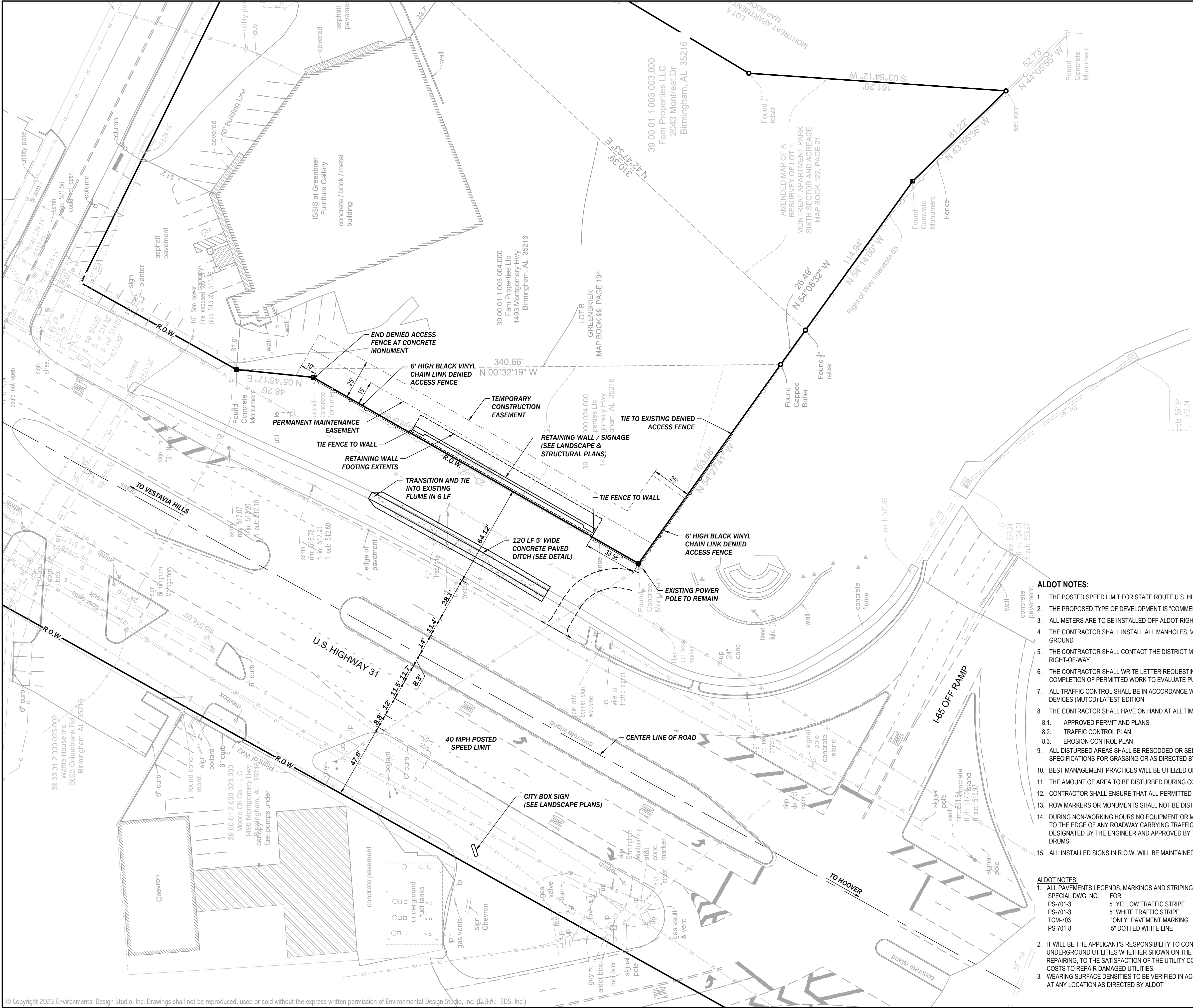
SHEET NUMBER:

C-1.0

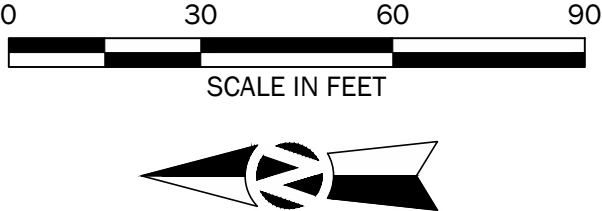
SEQUENCE:

4 of 17





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- NOTES:**
- SEE SHEET C-0.1 FOR ALL APPLICABLE NOTES.

- ALDOT NOTES:**
- THE POSTED SPEED LIMIT FOR STATE ROUTE U.S. HIGHWAY 31 (MONTGOMERY HIGHWAY) IS 40 MPH
  - THE PROPOSED TYPE OF DEVELOPMENT IS "COMMERCIAL".
  - ALL METERS ARE TO BE INSTALLED OFF ALDOT RIGHTS-OF-WAY
  - THE CONTRACTOR SHALL INSTALL ALL MANHOLES, VALVE BOXES, AND HAND HOLES MOUNTED FLUSH WITH GROUND
  - THE CONTRACTOR SHALL CONTACT THE DISTRICT MANAGER 48 HOURS PRIOR TO BEGINNING WORK ON ALDOT RIGHT-OF-WAY
  - THE CONTRACTOR SHALL WRITE LETTER REQUESTING TO MEET WITH DISTRICT PERMIT COORDINATOR UPON COMPLETION OF PERMITTED WORK TO EVALUATE PUNCH LIST FOR COMPLETION OF PROJECT
  - ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION
  - THE CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES
    - APPROVED PERMIT AND PLANS
    - TRAFFIC CONTROL PLAN
    - EROSION CONTROL PLAN
  - ALL DISTURBED AREAS SHALL BE RESODDED OR SEEDED IN ACCORDANCE WITH THE LATEST ALDOT SPECIFICATIONS FOR GRASSING OR AS DIRECTED BY THE ALDOT DISTRICT ADMINISTRATOR
  - BEST MANAGEMENT PRACTICES WILL BE UTILIZED ON THE PROJECT
  - THE AMOUNT OF AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PERMIT IS 0.75 ACRES
  - CONTRACTOR SHALL ENSURE THAT ALL PERMITTED WORK WILL MEET OR EXCEED ALDOT SPECIFICATIONS
  - ROW MARKERS OR MONUMENTS SHALL NOT BE DISTURBED
  - DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE IN AN AREA DESIGNATED BY THE ENGINEER AND APPROVED BY THE DISTRICT MANAGER AND DELINEATED BY REFLECTORIZED DRUMS.
  - ALL INSTALLED SIGNS IN R.O.W. WILL BE MAINTAINED BY THE APPLICANT/PROPERTY OWNER AND NOT ALDOT.

- ALDOT NOTES:**
- ALL PAVEMENTS LEGENDS, MARKINGS AND STRIPING WITHIN ALDOT R.O.W. SHALL BE THERMOPLASTIC, CLASS 2, TYPE A.

SPECIAL DWG. NO.	FOR
PS-701-3	5" YELLOW TRAFFIC STRIPE
PS-701-3	5" WHITE TRAFFIC STRIPE
TCM-703	"ONLY" PAVEMENT MARKING
PS-701-8	5" DOTTED WHITE LINE
  - IT WILL BE THE APPLICANT'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES AND LOCATE ALL OVERHEAD AND UNDERGROUND UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE APPLICANT SHALL BE RESPONSIBLE FOR REPAIRING, TO THE SATISFACTION OF THE UTILITY COMPANY, AND DAMAGED UTILITIES. THE APPLICANT SHALL BEAR ALL COSTS TO REPAIR DAMAGED UTILITIES.
  - WEARING SURFACE DENSITIES TO BE VERIFIED IN ACCORDANCE WITH ALDOT SPECIFICATIONS AND WILL INCLUDE CORING AT ANY LOCATION AS DIRECTED BY ALDOT

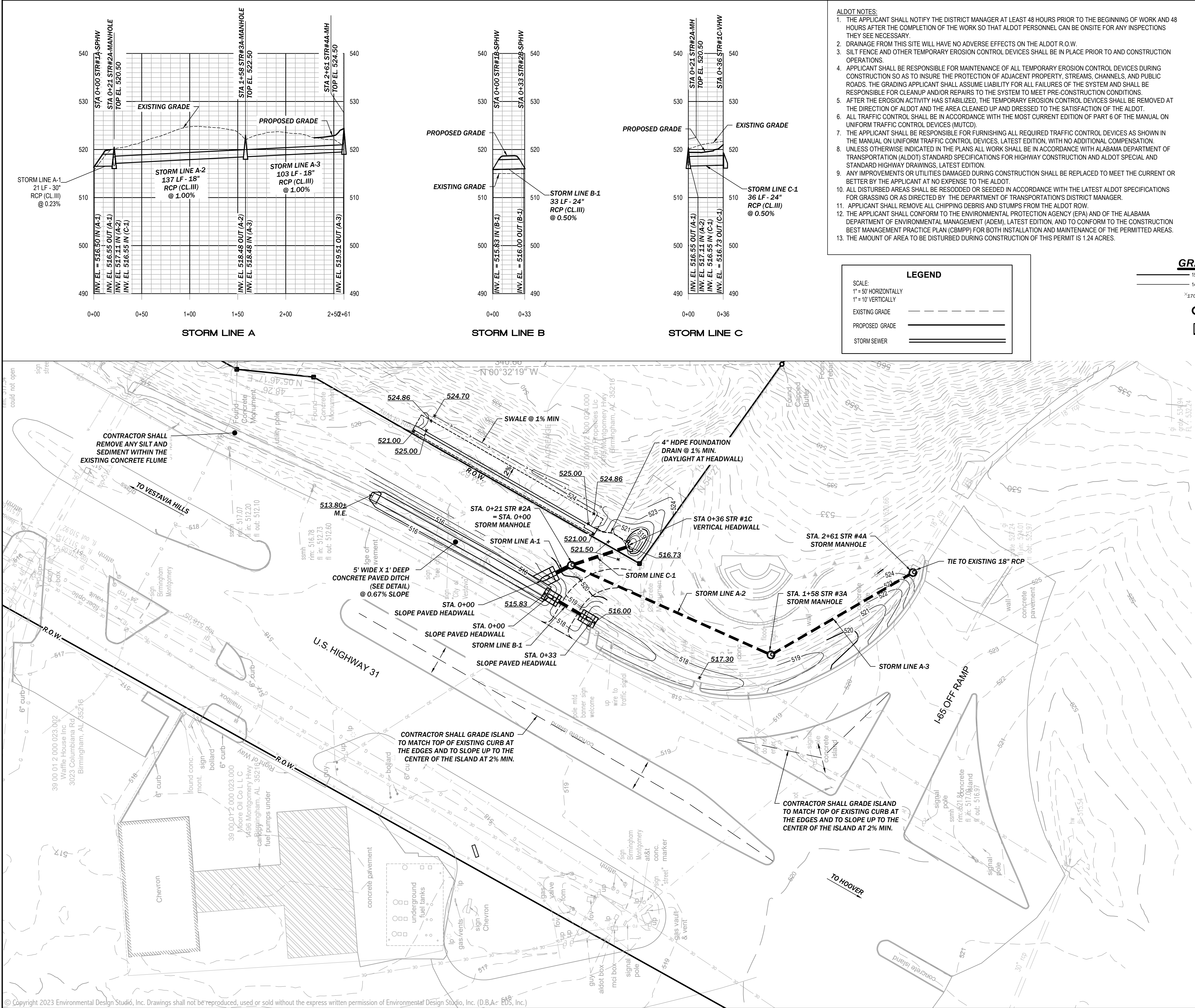


# City of Vestavia Hills Highway 31 Gateway Sign

Highway 31 South, Vestavia Hills, Alabama

REVISIONS	
DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO:	240317
SHEET TITLE :	





- ALDOT NOTES:
1. THE APPLICANT SHALL NOTIFY THE DISTRICT MANAGER AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF WORK AND 48 HOURS AFTER THE COMPLETION OF THE WORK SO THAT ALDOT PERSONNEL CAN BE ONSITE FOR ANY INSPECTIONS THEY SEE NECESSARY.
  2. DRAINAGE FROM THIS SITE WILL HAVE NO ADVERSE EFFECTS ON THE ALDOT R.O.W.
  3. SILT FENCE AND OTHER TEMPORARY EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO AND CONSTRUCTION OPERATIONS.
  4. APPLICANT SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY EROSION CONTROL DEVICES DURING CONSTRUCTION SO AS TO INSURE THE PROTECTION OF ADJACENT PROPERTY, STREAMS, CHANNELS, AND PUBLIC ROADS. THE GRADING APPLICANT SHALL ASSUME LIABILITY FOR ALL FAILURES OF THE SYSTEM AND SHALL BE RESPONSIBLE FOR CLEANUP AND/OR REPAIRS TO THE SYSTEM TO MEET PRE-CONSTRUCTION CONDITIONS.
  5. AFTER THE EROSION ACTIVITY HAS STABILIZED, THE TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AT THE DIRECTION OF ALDOT AND THE AREA CLEANED UP AND DRESSED TO THE SATISFACTION OF THE ALDOT.
  6. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  7. THE APPLICANT SHALL BE RESPONSIBLE FOR FURNISHING ALL REQUIRED TRAFFIC CONTROL DEVICES AS SHOWN IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, WITH NO ADDITIONAL COMPENSATION.
  8. UNLESS OTHERWISE INDICATED IN THE PLANS ALL WORK SHALL BE IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND ALDOT SPECIAL AND STANDARD HIGHWAY DRAWINGS, LATEST EDITION.
  9. ANY IMPROVEMENTS OR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO MEET THE CURRENT OR BETTER BY THE APPLICANT AT NO EXPENSE TO THE ALDOT.
  10. ALL DISTURBED AREAS SHALL BE RESEDED OR SEEDED IN ACCORDANCE WITH THE LATEST ALDOT SPECIFICATIONS FOR GRASSING OR AS DIRECTED BY THE DEPARTMENT OF TRANSPORTATION'S DISTRICT MANAGER.
  11. APPLICANT SHALL REMOVE ALL CHIPPING DEBRIS AND STUMPS FROM THE ALDOT ROW.
  12. THE APPLICANT SHALL CONFORM TO THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM), LATEST EDITION, AND TO CONFORM TO THE CONSTRUCTION BEST MANAGEMENT PRACTICE PLAN (CBMPP) FOR BOTH INSTALLATION AND MAINTENANCE OF THE PERMITTED AREAS.
  13. THE AMOUNT OF AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PERMIT IS 1.24 ACRES.

LEGEND	
SCALE: 1" = 50' HORIZONTALLY 1" = 10' VERTICALLY	
EXISTING GRADE	---
PROPOSED GRADE	---
STORM SEWER	---

GRADING + DRAINAGE LEGEND	
150	REQ'D CONTOUR 5' INTERVAL
149	REQ'D CONTOUR 1' INTERVAL
170.00	REQUIRED SPOT ELEVATION
○	STMH STORM MANHOLE (SEE NOTE #2)
□	SPHW SLOPED PAVED HEADWALL (SEE NOTE #3)

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City of Vestavia Hills

Highway 31 Gateway Sign

Highway 31 South, Vestavia Hills, Alabama

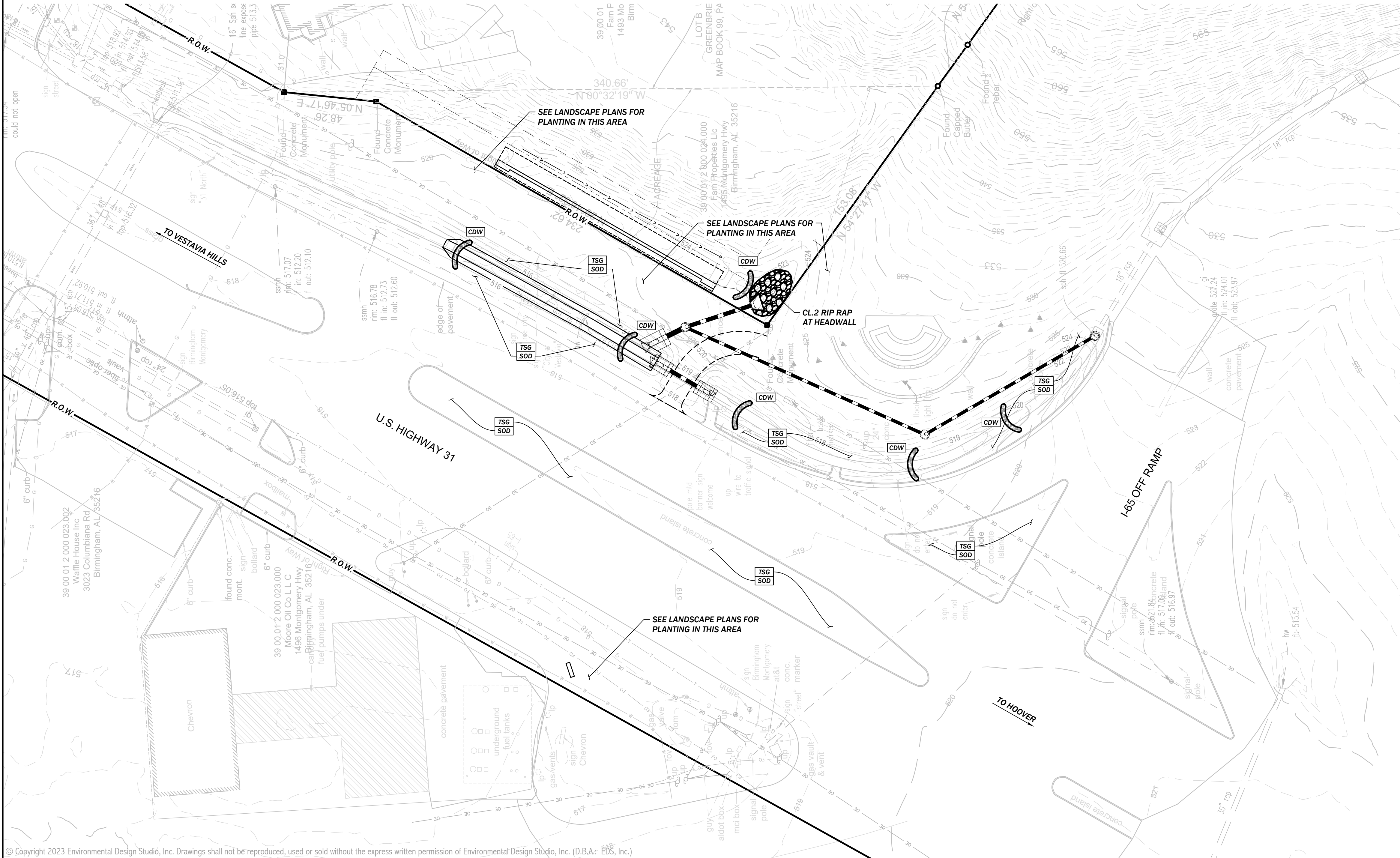
REVISIONS	
DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO.:	240317
SHEET TITLE:	

GRADING & DRAINAGE  
PLAN

SHEET NUMBER:  
C-3.0

SEQUENCE:  
6 of 17

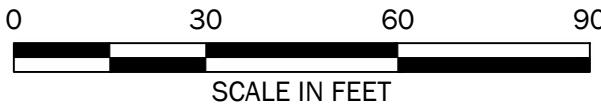




- ALDOT NOTES:
1. THE APPLICANT SHALL NOTIFY THE DISTRICT MANAGER AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF WORK AND 48 HOURS AFTER THE COMPLETION OF THE WORK SO THAT ALDOT PERSONNEL CAN BE ONSITE FOR ANY INSPECTIONS THEY SEE NECESSARY.
  2. DRAINAGE FROM THIS SITE WILL HAVE NO ADVERSE EFFECTS ON THE ALDOT R.O.W.
  3. SILT FENCE AND OTHER TEMPORARY EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO AND CONSTRUCTION OPERATIONS.
  4. APPLICANT SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY EROSION CONTROL DEVICES DURING CONSTRUCTION SO AS TO INSURE THE PROTECTION OF ADJACENT PROPERTY, STREAMS, CHANNELS, AND PUBLIC ROADS. THE GRADING APPLICANT SHALL ASSUME LIABILITY FOR ALL FAILURES OF THE SYSTEM AND SHALL BE RESPONSIBLE FOR CLEANUP AND/OR REPAIRS TO THE SYSTEM TO MEET PRE-CONSTRUCTION CONDITIONS.
  5. AFTER THE EROSION ACTIVITY HAS STABILIZED, THE TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AT THE DIRECTION OF ALDOT AND THE AREA CLEANED UP AND DRESSED TO THE SATISFACTION OF THE ALDOT.
  6. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  7. THE APPLICANT SHALL BE RESPONSIBLE FOR FURNISHING ALL REQUIRED TRAFFIC CONTROL DEVICES AS SHOWN IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, WITH NO ADDITIONAL COMPENSATION.
  8. UNLESS OTHERWISE INDICATED IN THE PLANS ALL WORK SHALL BE IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND ALDOT SPECIAL AND STANDARD HIGHWAY DRAWINGS, LATEST EDITION.
  9. ANY IMPROVEMENTS OR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO MEET THE CURRENT OR BETTER BY THE APPLICANT AT NO EXPENSE TO THE ALDOT.
  10. ALL DISTURBED AREAS SHALL BE RESODDED OR SEEDED IN ACCORDANCE WITH THE LATEST ALDOT SPECIFICATIONS FOR GRASSING OR AS DIRECTED BY THE DEPARTMENT OF TRANSPORTATION'S DISTRICT MANAGER.
  11. APPLICANT SHALL REMOVE ALL CHIPPING DEBRIS AND STUMPS FROM THE ALDOT ROW.
  12. THE APPLICANT SHALL CONFORM TO THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM), LATEST EDITION, AND TO CONFORM TO THE CONSTRUCTION BEST MANAGEMENT PRACTICE PLAN (CBMP) FOR BOTH INSTALLATION AND MAINTENANCE OF THE PERMITTED AREAS.
  13. THE AMOUNT OF AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PERMIT IS 0.75 ACRES.



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EROSION CONTROL LEGEND

- CDW** WATTLE CHECK DAM
- TSG** TOPSOILING
- SOD** SODDING
- RIP RAP**

NOTES:

1. SEE SHEET C-0.1 FOR ALL APPLICABLE NOTES.
2. SEE SHEET L-5.0 FOR ALL LANDSCAPING.



City of Vestavia Hills  
Highway 31 Gateway Sign  
Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO:	240317
SHEET TITLE:	

EROSION CONTROL PLAN

SHEET NUMBER:

C-4.0

SEQUENCE:

7 of 17





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City of Vestavia Hills  
Highway 31 Gateway Sign  
Highway 31 South, Vestavia Hills, Alabama

REVISIONS

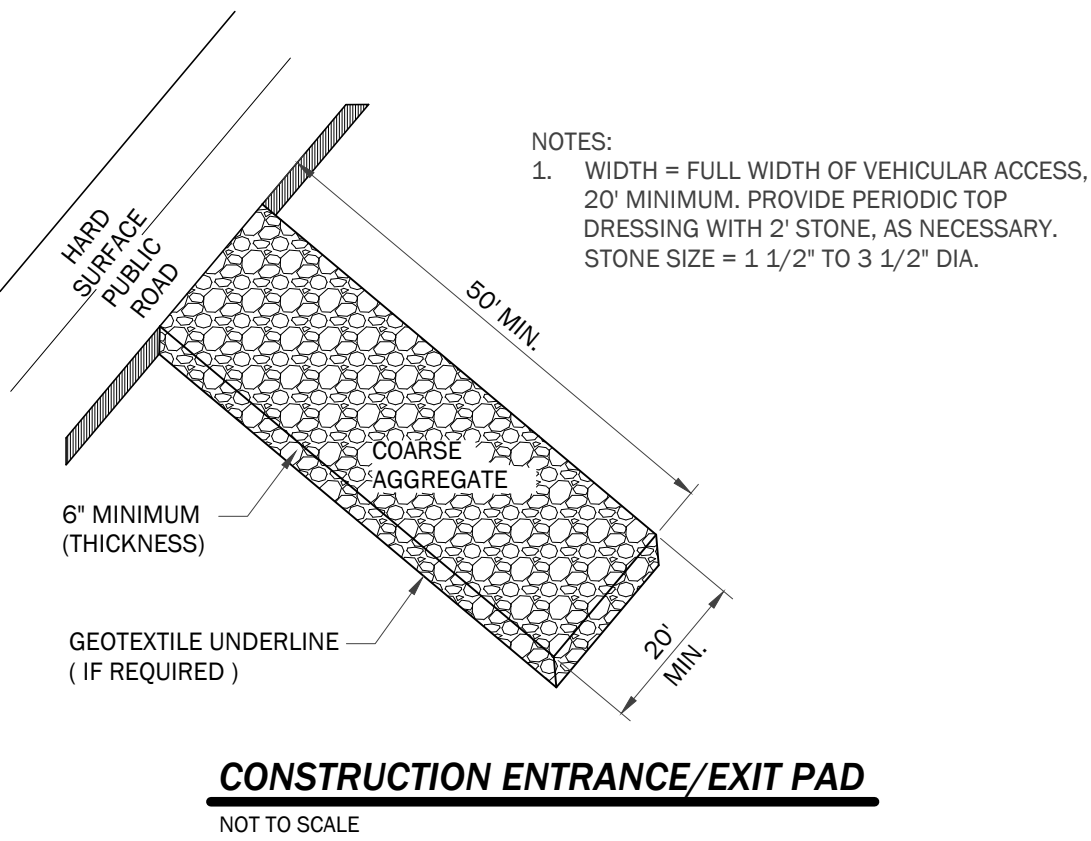
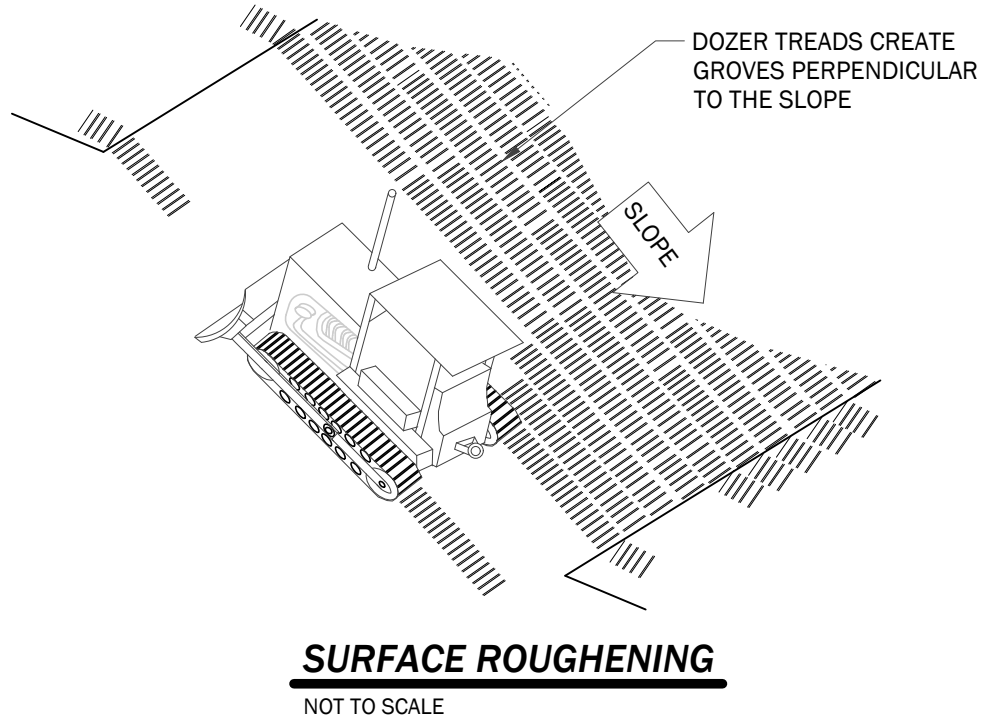
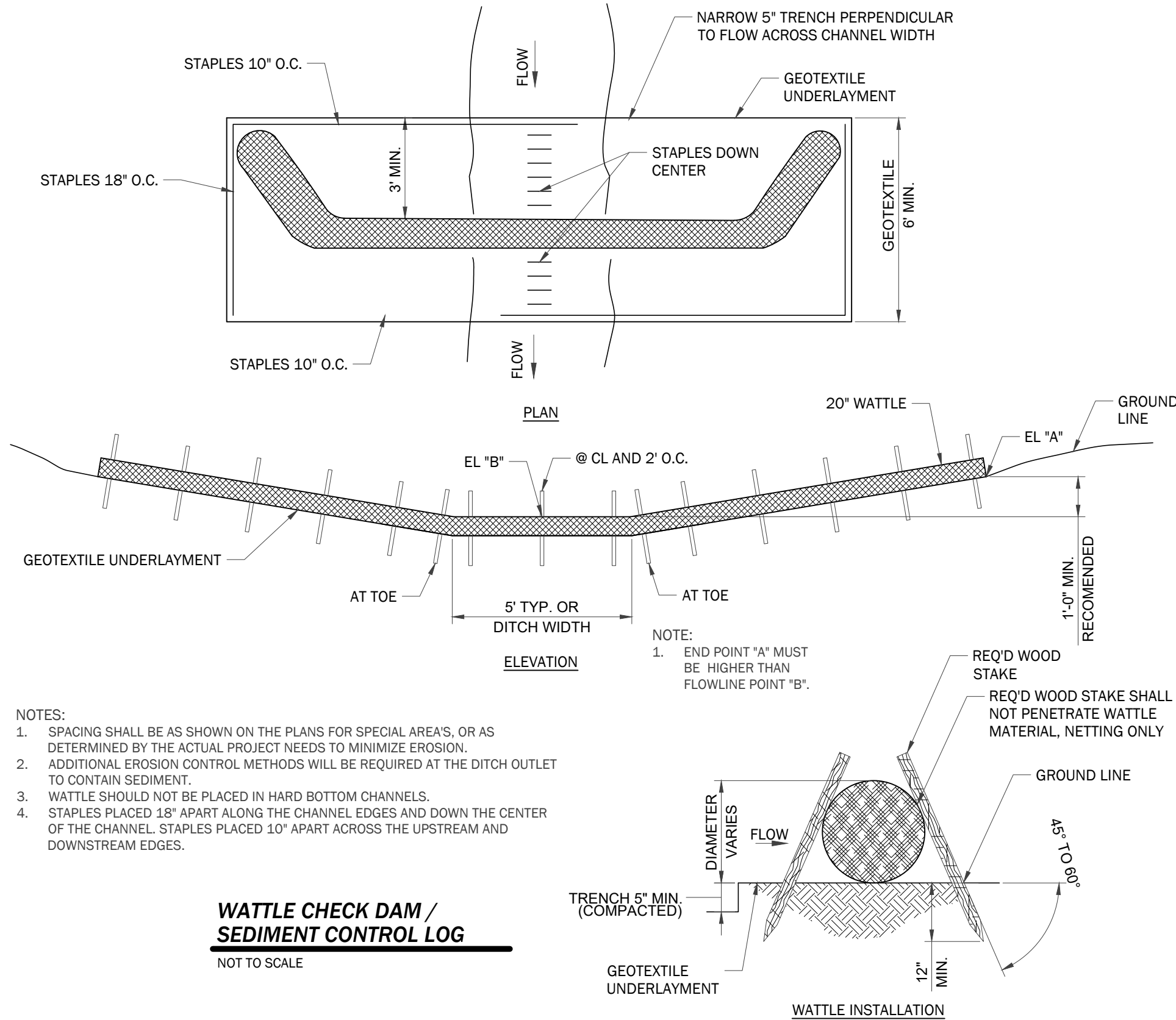
DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO:	240317
SHEET TITLE :	

EROSION CONTROL DETAILS

SHEET NUMBER:

C-4.1

SEQUENCE: 8 of 17





GENERAL TRAFFIC CONTROL PLAN NOTES

○ DENOTES NOTES THAT APPLY TO THIS PROJECT

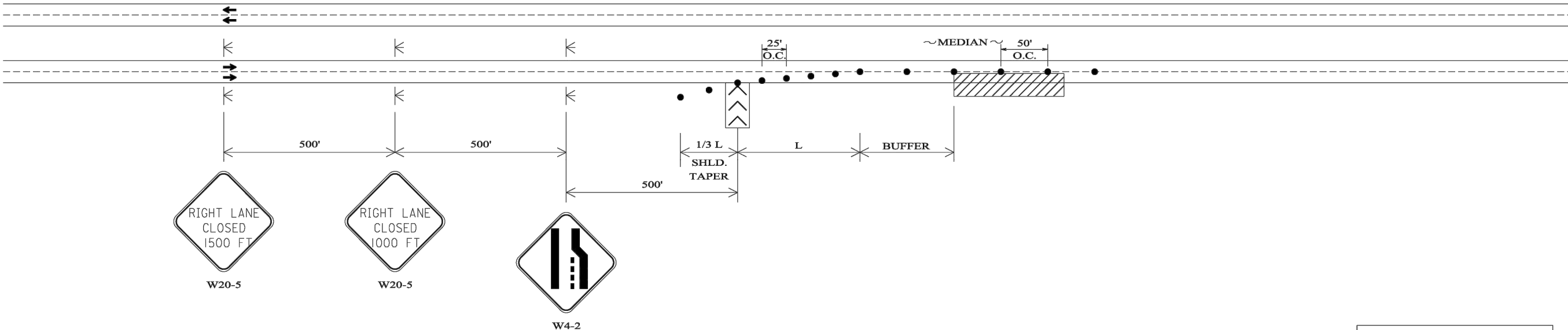
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO

- 700 THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE MUTCD, PART 6 AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
- 701 ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.
- 702 DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA APPROVED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT. (SEE SKETCH ON SHEET )
- 703 WHERE THE LOCATION OF A REQUIRED SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC., OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- 704 THE CONTRACTOR IS TO REMOVE, RELOCATE OR COVER DURING CONSTRUCTION AND THEN RESET OR UNCOVER UPON COMPLETION OF A PROJECT OR SECTION AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME PROPERTY OF THE ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
- 705 DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE EXPEDITIOUSLY AS PRACTICAL. BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC. EXCEPT WHERE THE LOCATION OF THE STRIPING IS DETERMINED BY THE ENGINEER, THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING THE EXISTING MARKINGS IN PLACE. COST OF ANY REMOVAL SHALL BE PAID FOR UNDER ITEM 701D OR AS A SUBSIDIARY OBLIGATION OF ITEM 701C.
- 706 OMITTED
- 707 THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.
- 708 ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES, ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- 709 THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.
- 710 CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.
- 711 FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.
- 712 FLAGGERS ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.
- 713 FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF THE FLAGGERS ARE IN SIGHT OF EACH OTHER, OR IF A PILOT CAR IS USED ON A TWO LANE ROADWAY.
- 714 OMITTED
- 715 ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES, AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF THIRTY (30) FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.
- 716 THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.
- 717 OMITTED
- 718 REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
- 719 RA-1 (REBUILD ALABAMA) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTED ON THE RIGHT-HAND SIDE OF THE ROADWAY ON THEIR OWN SUPPORT SYSTEM. THE RA-1 SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
- 720 ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- 721 OMITTED
- 722 OMITTED
- 723 THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.
- 724 OMITTED
- 725 ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS AND REMOVED AT THE COMPLETION OF THE DAY'S OPERATION.
- 726 WS SIGNS INTENDED TO WARN MOTORISTS OF SURFACE CONDITIONS EXTENDING FOR GREATER THAN 1 MILE SHALL BE PLACED PRIOR TO THE BEGINNING OF SURFACE CONDITION AND AT 1 MILE INTERVALS THEREAFTER, WITH THE EXCEPTION SPECIFIED IN NOTE 727.
- 727 DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL ADVISE THE MOTORISTS OF ANY EDGE OF CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.
- 728 A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.
- 729 SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.
- 730 OMITTED
- 731 OMITTED
- 732 CHANNELIZING DRUMS SHOULD BE PLACED ON 10 FOOT INTERVALS IN RADII.
- 733 CHANNELIZING DRUMS PLACED TO PROTECT COMPLETED WORK NOT OPEN TO TRAFFIC, SHOULD BE SPACED AT 30 FOOT INTERVALS.
- 734 CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS, SHOULD BE SPACED AT 50 FOOT INTERVALS.
- 735 CHANNELIZING DRUMS PLACED ON PAVEMENT DURING WORKING HOURS SHALL BE SHIFTED TO THE EDGE OF SHOULDER DURING NON-WORKING HOURS AND DURING PEAK PERIODS.
- 736 CHANNELIZING DRUMS SHOULD BE PLACED ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.
- 737 CHANNELIZING DEVICES SHALL EXTEND TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- 738 OMITTED
- 739 OMITTED
- 740 OMITTED
- 741 FOR DIVIDED ROADWAYS, THE REQUIRED ADVANCE WARNING SIGNS SHALL BE POSTED ON BOTH THE RIGHT AND LEFT SIDE OF THE ROADWAY.
- 742 THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA AT ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING EDGE OF PAVEMENT.
- 743 OMITTED
- 744 THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-5 OF THE MUTCD, PART 6, 2009 EDITION.
- 745 OMITTED
- 746 UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.
- 747 MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.

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				GENERAL TRAFFIC CONTROL PLAN NOTES		SPECIAL PROJECT DETAIL	2000

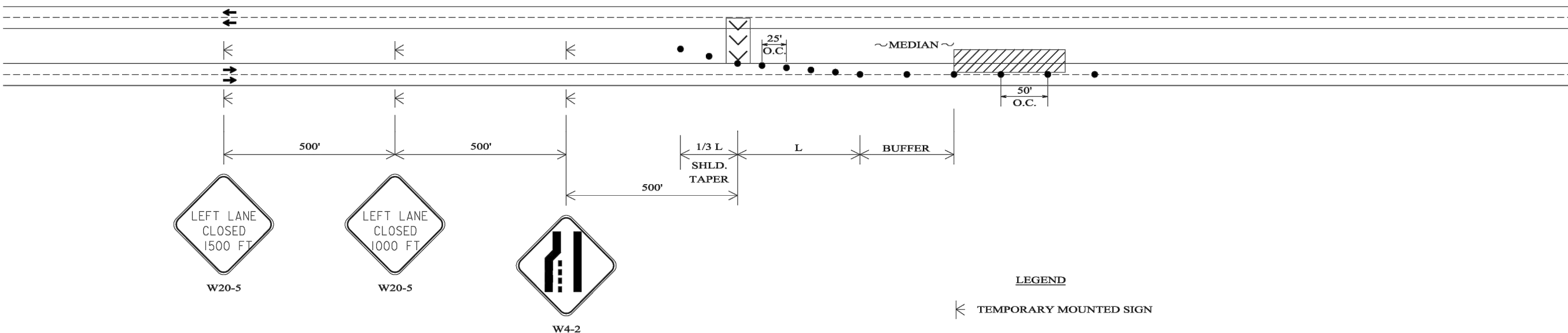
TEMPORARY TRAFFIC CONTROL PLAN SHEET

TYPICAL SCHEME FOR RIGHT LANE CLOSURE



REQUIRED SIGN SIZES	
W4-2	48" X 48"
W20-5	48" X 48"

TYPICAL SCHEME FOR LEFT LANE CLOSURE



- LEGEND
- TEMPORARY MOUNTED SIGN
  - CHANNELIZING DRUM
  - WORK AREA
  - PORTABLE SEQUENTIAL ARROW AND CHEVRON SIGN UNIT

GENERAL NOTES

1. ALL SIGNS SHALL BE TEMPORARY MOUNTED AS SHOWN, UNLESS THE WORK PERIOD EXCEEDS FOUR (4) DAYS. IN SUCH CASES, THE SIGNS SHALL BE POST MOUNTED.

	ALABAMA DEPARTMENT OF TRANSPORTATION JAN COLEMAN BOULEVARD MONTGOMERY, AL 36104-0001	THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE OR ANY ORGANIZATION, WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULL EXTENT OF THE LAW.	REVISIONS: 1. Modified Note 746 for the addition of the 31-30 signs on 9-18-2021 by D.J.W. 2. Added note 746 on 12-8-2021 by D.J.W.	DESIGN BUREAU SPECIAL DRAWING		INDEX NO
				DETAILS FOR MULTILANE DIVIDED HIGHWAY LANE CLOSURES		

NOT TO SCALE

-SPECIFICATIONS-	
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL PROJECT DETAIL	2008

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City of Vestavia Hills  
Highway 31 Gateway Sign  
Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/2025  
SCALE: N/A  
PROJECT MANAGER: CAH  
DRAWN: LBH  
REVIEWED: RAN  
PROJECT NO: 240317  
SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

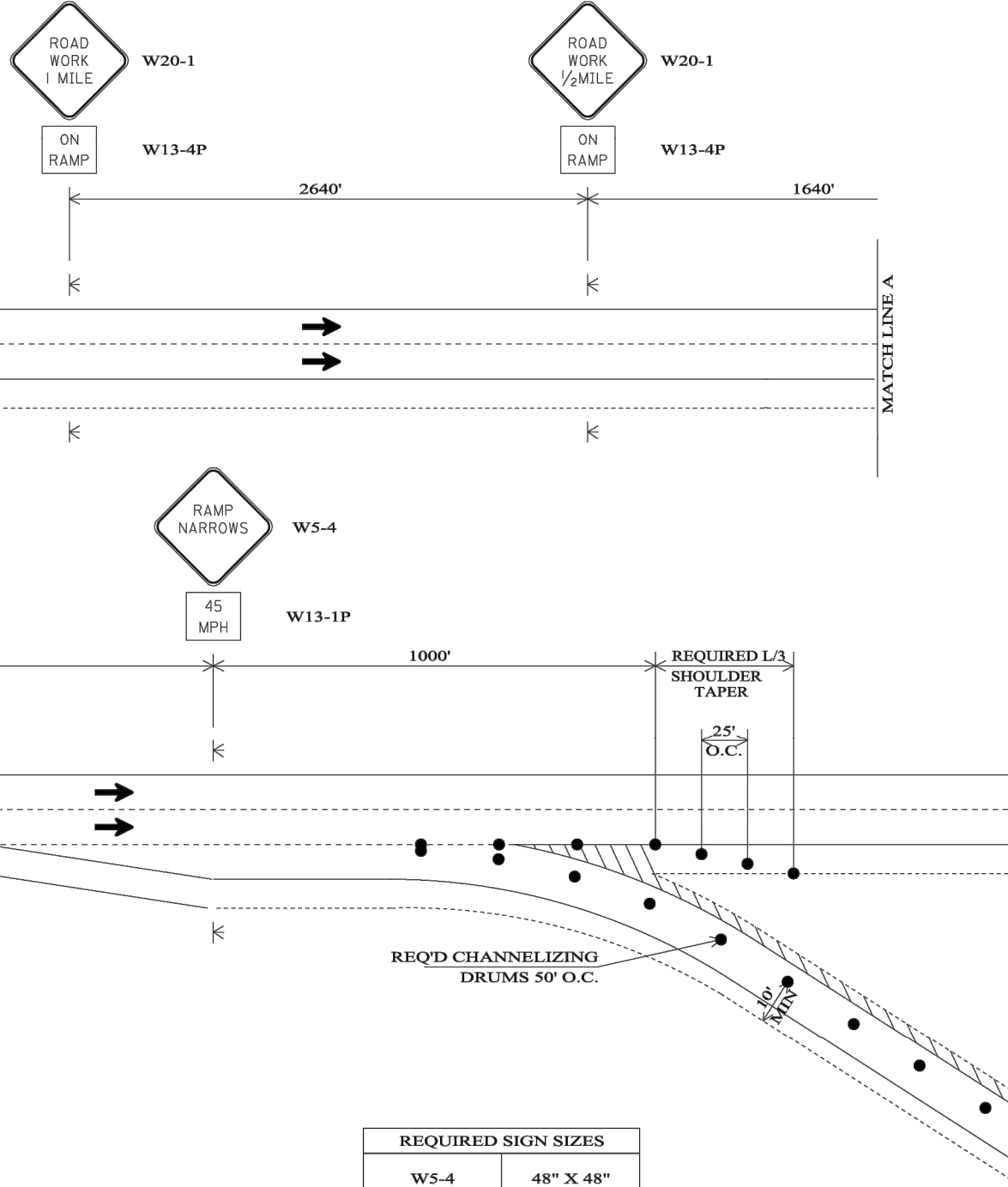
C-5.0

SEQUENCE: 9 of 17



TEMPORARY TRAFFIC CONTROL PLAN SHEET

TYPICAL SCHEME FOR EXIT RAMP SHOULDER WORK

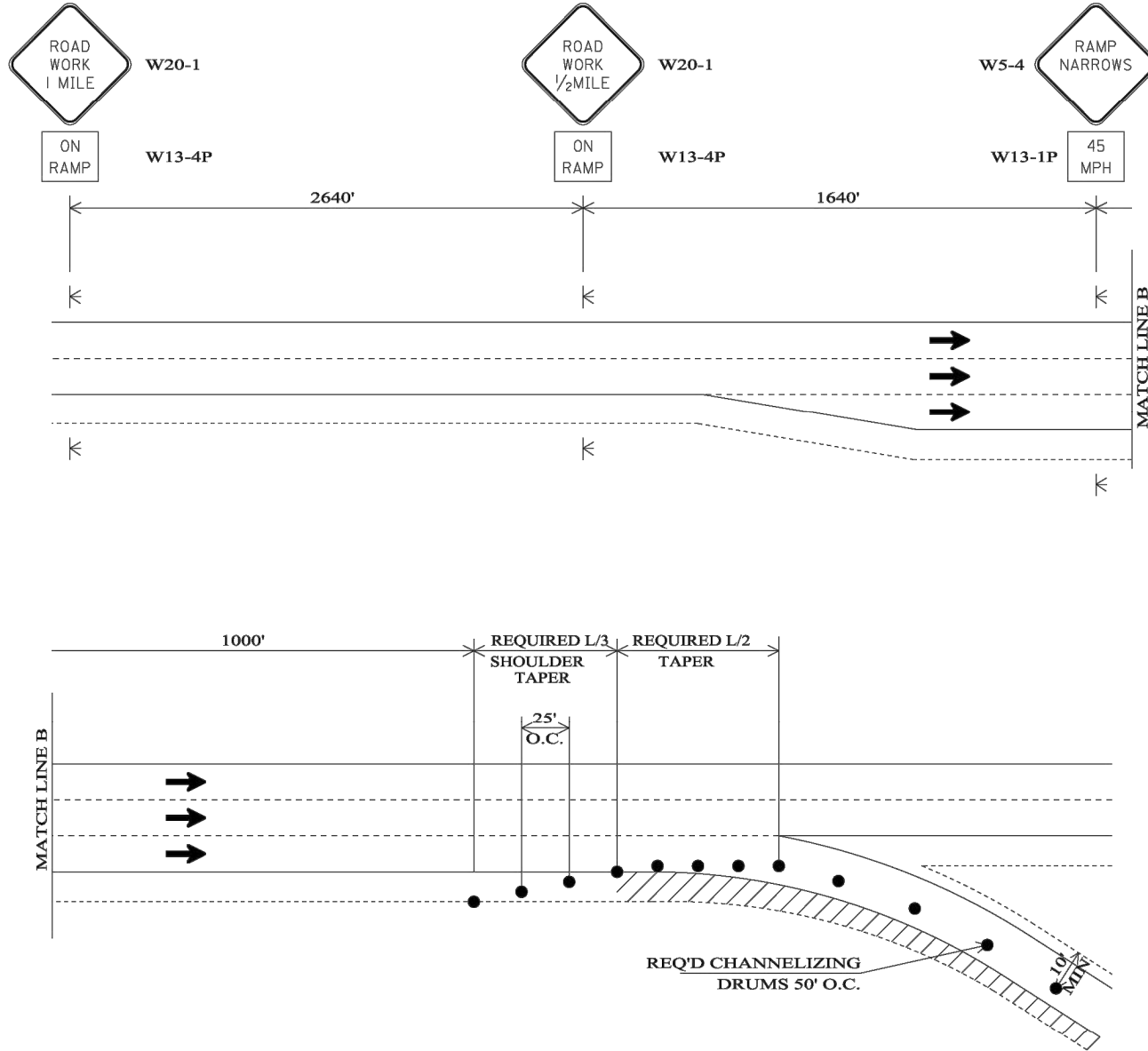


REQUIRED SIGN SIZES	
W5-4	48" X 48"
W13-1P	30" X 30"
W13-4P	36" X 36"
W20-1	48" X 48"

THE SIGN SIZES SHOWN ON THIS SHEET SHALL SUPERCEDE THOSE SHOWN ON THE STANDARD HIGHWAY SIGNS DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

GENERAL NOTES

- THE W20-1 1 MILE SIGNS WITH THE ON RAMP PLATES SHOWN REQUIRED ON THESE DETAILS WILL NOT BE REQUIRED IF THE WORK AREA IS WITHIN PROJECT LIMITS WHERE POST MOUNTED ADVANCE WARNING SIGNS ARE ALREADY IN PLACE. IF THESE SIGNS ARE REQUIRED, THEY SHALL BE TEMPORARY MOUNTED AS SHOWN.
- FOR DAYTIME CLOSURES, 36" MINIMUM CONES MAY BE USED IN LIEU OF DRUMS FOR LANE CLOSURE, EXCEPT IN THE TAPERS. FOR NIGHTTIME CLOSURES, 42" MINIMUM CONES MAY BE USED IN LIEU OF DRUMS FOR LANE CLOSURE, EXCEPT IN THE TAPERS.



- LEGEND
- TEMPORARY MOUNTED SIGN
  - CHANNELIZING DRUM
  - WORK AREA

NOT TO SCALE



ALABAMA DEPARTMENT  
OF TRANSPORTATION  
440 COLLEEN HOLLOWAY  
MONTGOMERY, AL 36106-3950

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REVISIONS:

Drawn By: D.J.W.  
Drawn By: DATE DRAWN  
REVIEWED DATE: 6-15-2016

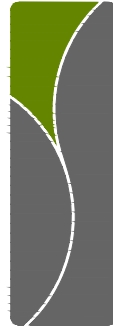
DESIGN BUREAU: SPECIAL DRAWING  
DETAILS FOR TRAFFIC CONTROL FOR  
EXIT RAMP SHOULDER WORK

SPECIFICATIONS -  
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION  
SPECIAL DRAWING NO.  
SPECIAL PROJECT DETAIL  
INDEX NO.  
2016

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Highway 31 Gateway Sign

Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/2025  
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PROJECT MANAGER: CAH  
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REVIEWED: RAN  
PROJECT NO.: 240317  
SHEET TITLE:

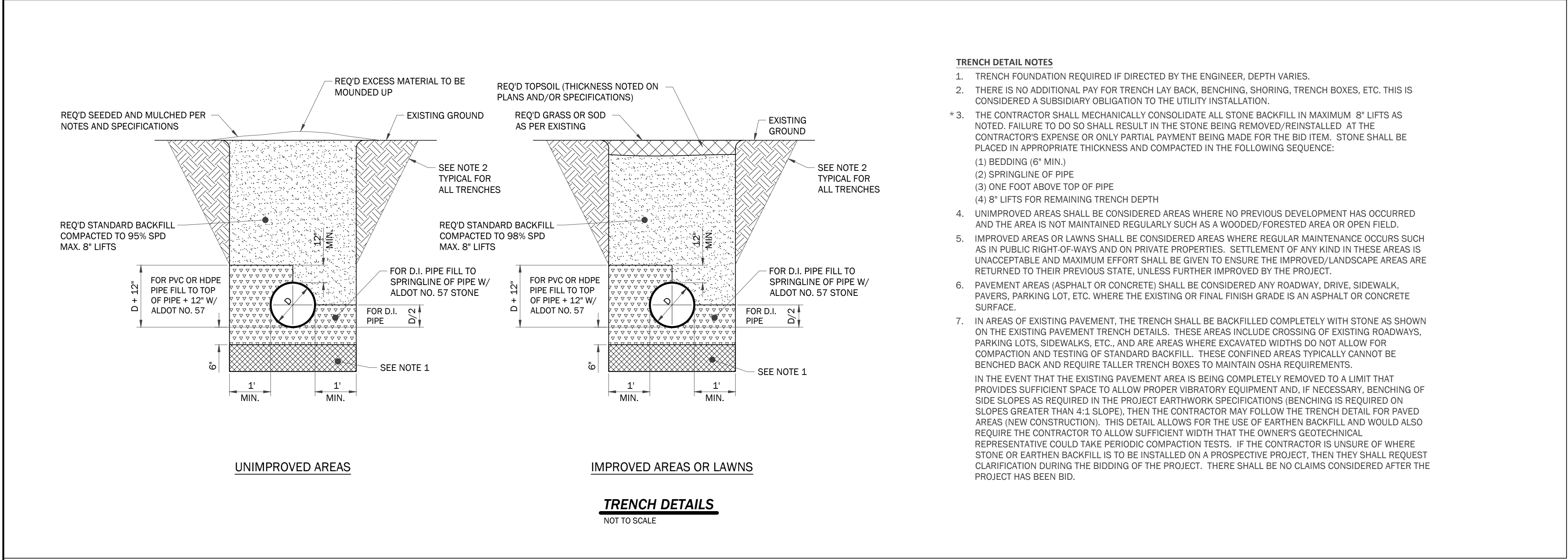
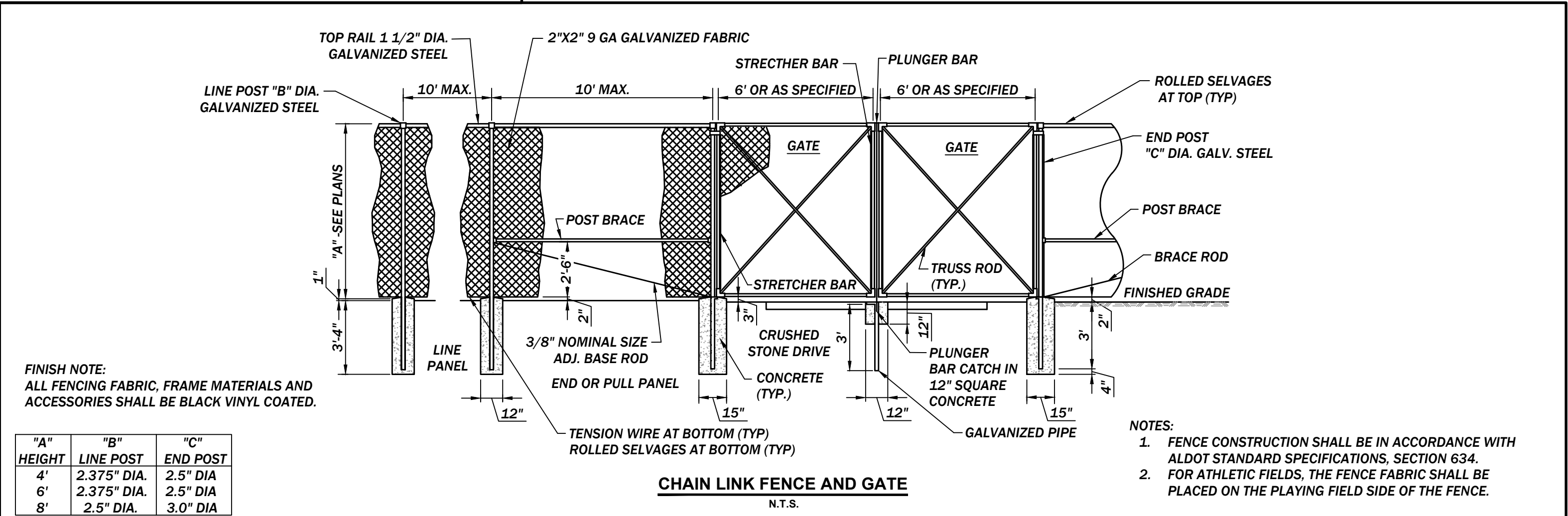
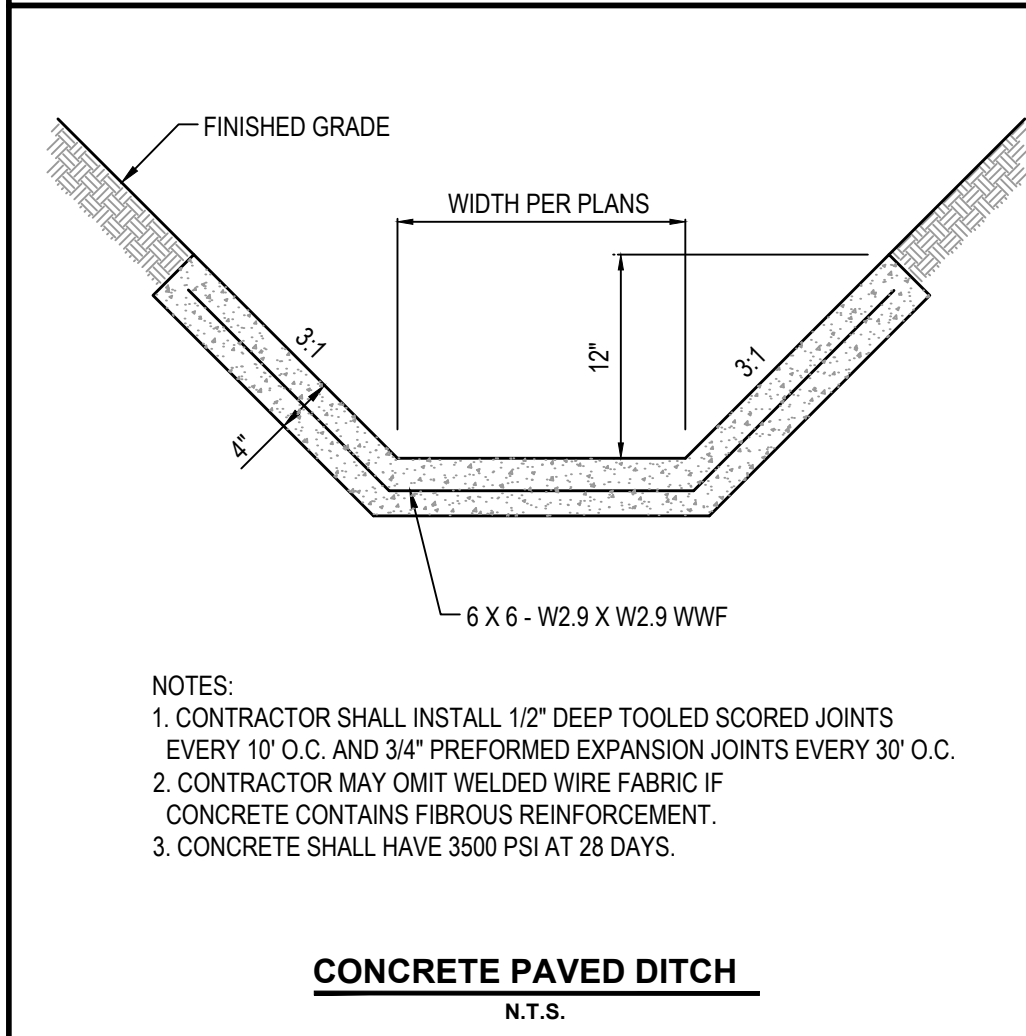
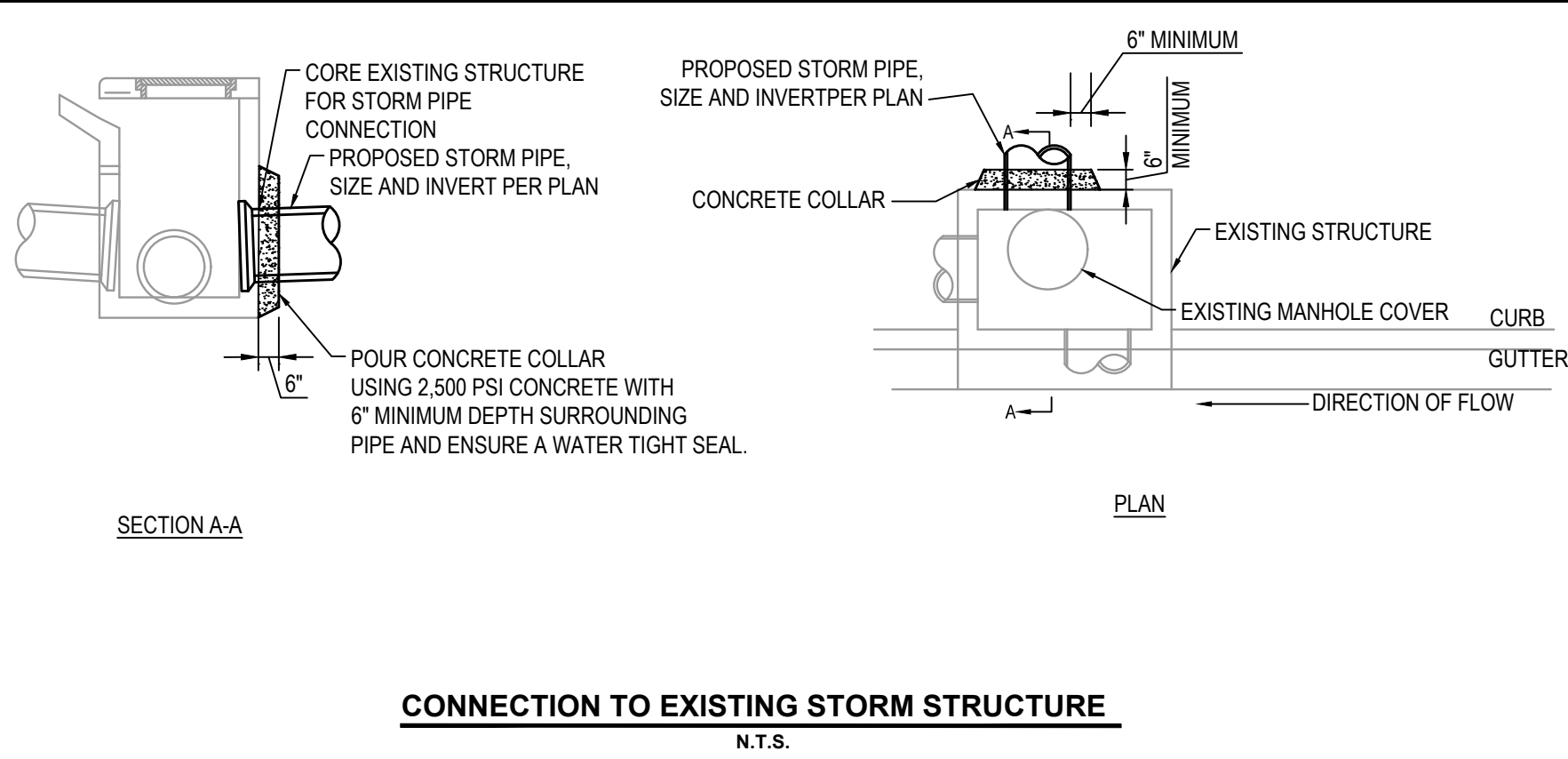
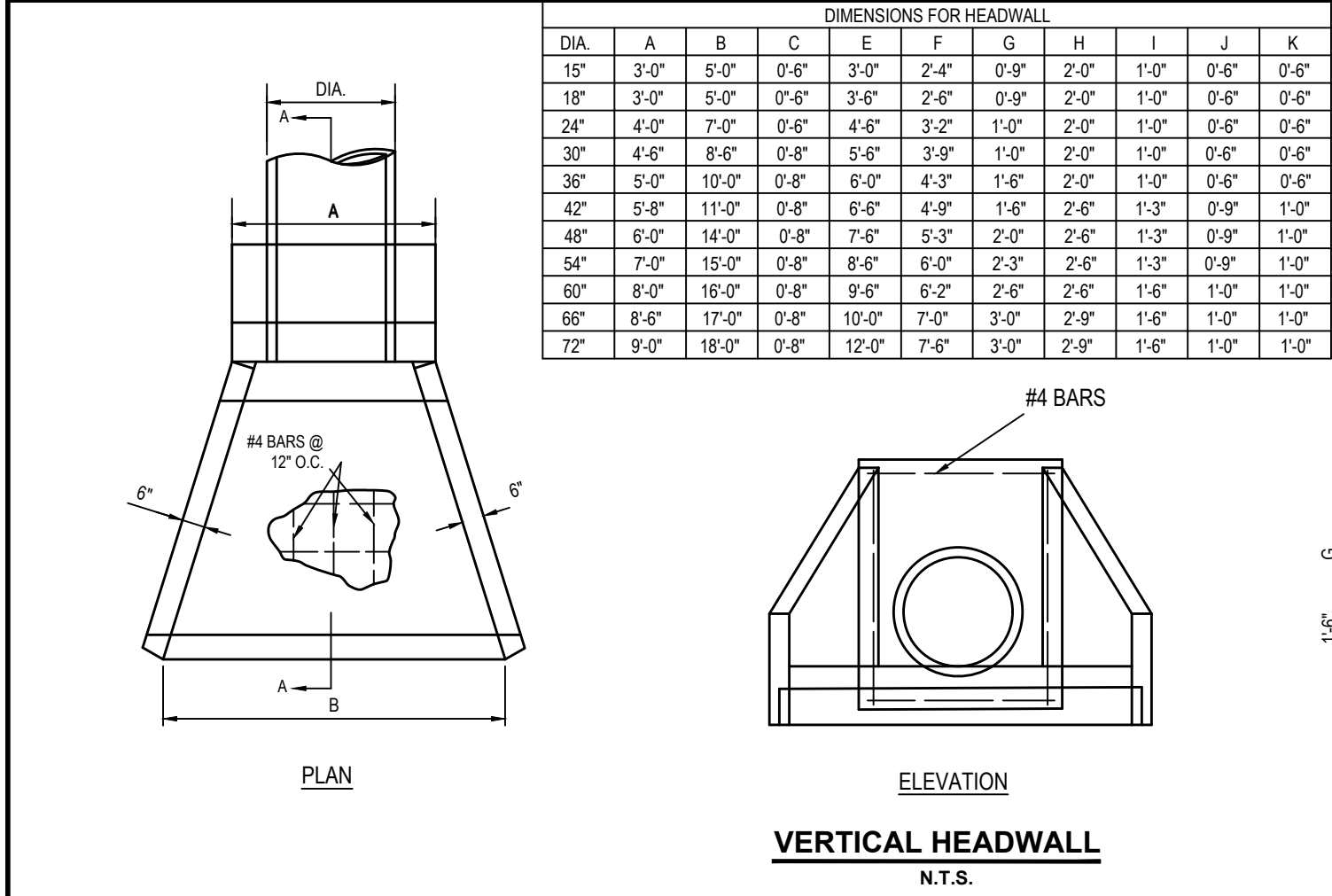
TRAFFIC CONTROL PLAN

SHEET NUMBER:

C-5.1

SEQUENCE:

10 of 17



**TTL**

Job No.: 241103630

10 Inverness Center Parkway, Suite 350  
Birmingham, AL 35242  
205.539.0384 | www.ttlusa.com

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Design Studio

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Site Planning

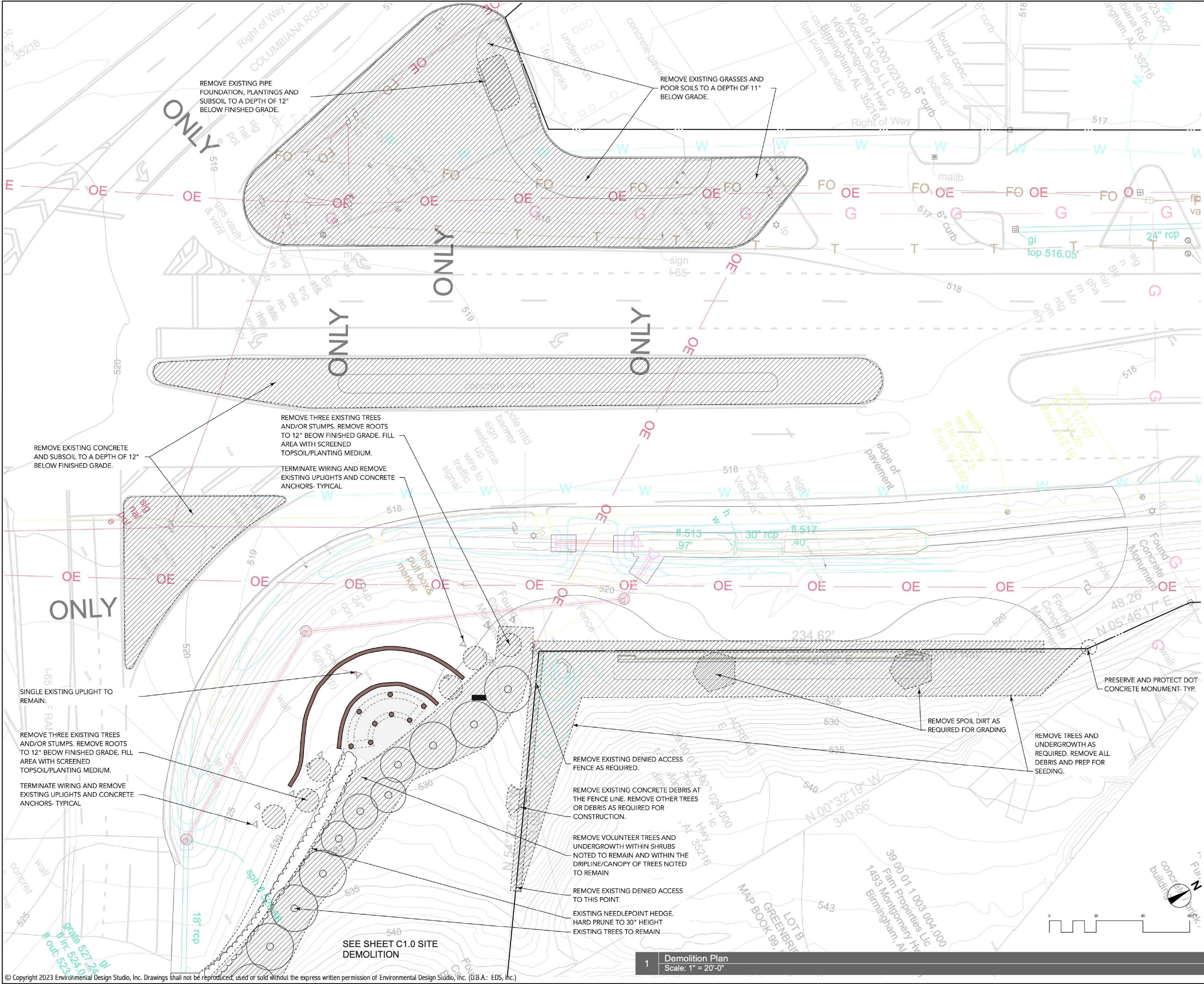
phone: 205.585.8414  
environmentaldesignstudio.com



City of Vestavia Hills  
Highway 31 Gateway Sign  
Highway 31 South, Vestavia Hills, Alabama

DATE:	7/14/2025
SCALE:	N/A
PROJECT MANAGER:	CAH
DRAWN:	LBH
REVIEWED:	RAN
PROJECT NO.:	240317
SHEET TITLE :	





City of Vestavia Hills  
Highway 31 Gateway Signs  
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/25  
SCALE: Scale  
PROJECT MANAGER: Duane Pritchett  
DRAWN: Duane Pritchett  
REVIEWED: Duane Pritchett  
PROJECT NO:

SHEET TITLE :  
Landscape Demolition  
Plan

SHEET NUMBER:  
L-1.0  
SEQUENCE: 2 of 9





City of Vestavia Hills  
Highway 31 Gateway Signs  
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

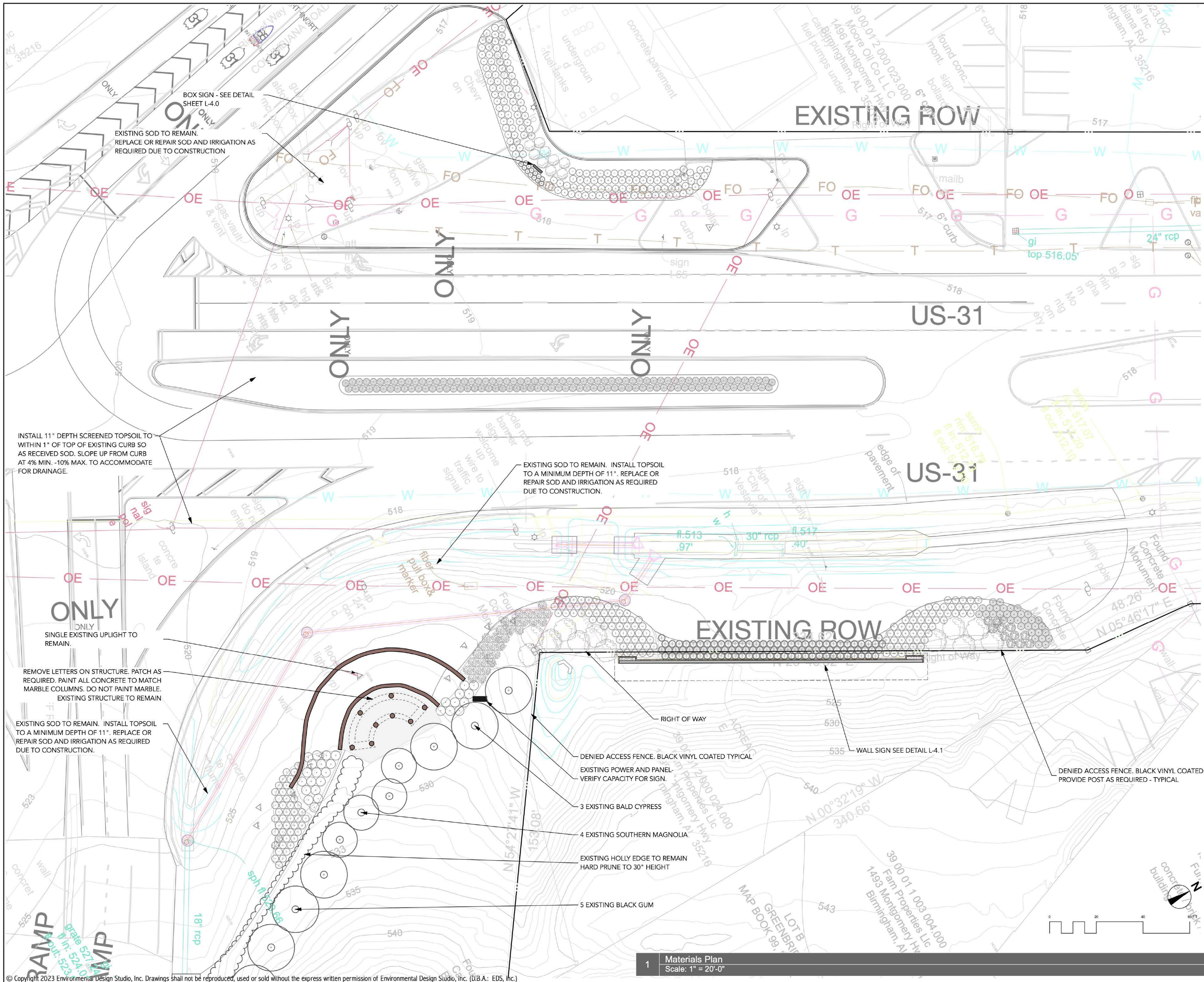
DATE: 7/14/25  
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PROJECT MANAGER: Duane Pritchett  
DRAWN: Duane Pritchett  
REVIEWED: Duane Pritchett  
PROJECT NO.:  
SHEET TITLE:

Materials Plan

SHEET NUMBER:

L-2.0

SEQUENCE: 2 of 9





## REVISIONS

SEQUENCE: 3 of 9







City of Vestavia Hills  
Highway 31 Gateway Signs  
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/25  
SCALE: Scale  
PROJECT MANAGER: Duane Pritchett  
DRAWN: Duane Pritchett  
REVIEWED: Duane Pritchett  
PROJECT NO:  
SHEET TITLE :

Box Sign Details

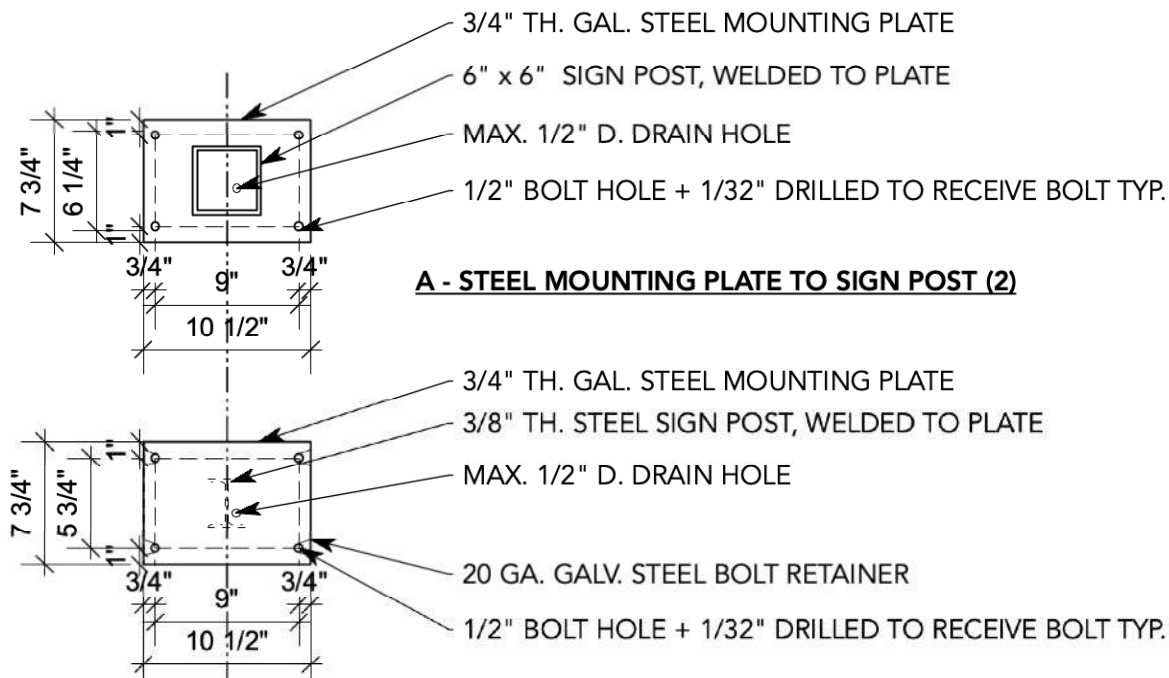
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L-4.0

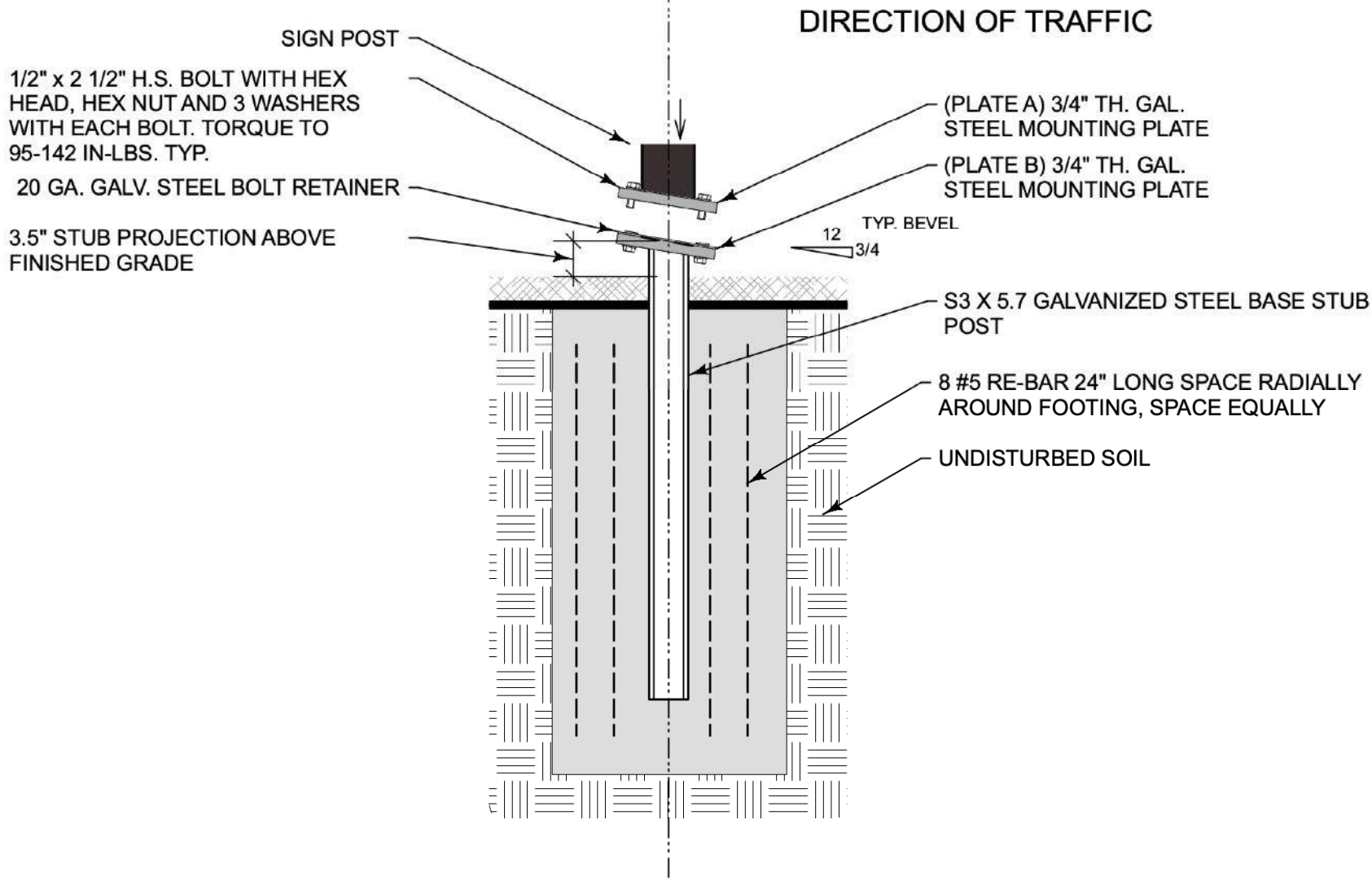
SEQUENCE: 4 of 9

BREAKAWAY CONNECTION NOTES:

1. ERICTION CAPS – CAPS MAY BE MANUFACTURED FROM EITHER HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR PIPE SIZES 3/2" AND SMALLER, THE MINIMUM SHEET METAL THICKNESS SHALL BE 24 GAUGE.
2. THE RIM EDGES SHALL BE REASONABLY STRAIGHT AND SMOOTH. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PRODUCE A DRIVE-ON FRICTION FIT AND HAVE NO TENDENCY TO ROCK WHEN SEATED ON THE PIPE. THE DEPTH SHALL BE SUFFICIENT TO GIVE POSITIVE PROTECTION AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTIONS AND SHOW NO EVIDENCE OF METAL FRACTURE.
3. CAPS SHALL HAVE AN ELECTRODEPOSITED COATING OF ZINC IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM SPECIFICATION A164, TYPE G5.
4. ALL BOLTS AND WASHERS SHALL CONFORM TO ASTM A325.
5. ALL HOLES IN THE BASE PLATES SHALL BE DRILLED AND/OR SAWED.
6. CAST DOME CAPS (SAME AS FENCE POST CAPS) MAY BE USED AS AN ALTERNATE TO THE PRESSED METAL CAP.
7. ALL PIPE SHALL BE STANDARD WEIGHT PIPE CONFORMING TO ASTM SPECIFICATIONS A53. THE PIPE MAY BE WELDED OR SEAMLESS. HYDROSTATIC TESTS ARE NOT REQUIRED.
8. FOR PROPER FUNCTIONING OF THE BREAKAWAY FEATURE OF THE SUPPORTS IT IS NECESSARY FOR THE INTERIOR WASHERS OF THE BASE PLATE BOLTS TO TRANSFER THE BEARING PRESSURES EQUALLY. THEREFORE, THE BEARING PLATE SURFACES SHALL, AFTER ASSEMBLY, HAVE A CLEARANCE BETWEEN THEM OF AT LEAST 0.25 INCHES BUT NOT IN EXCESS OF 0.1 INCHES. SUPPORTS (POSTS AND STUBS) SHALL BE FABRICATED AND SHOP ASSEMBLED TO INSURE PROPER ALIGNMENT AND MATCHING OF BASE PLATES. ANY DISMANTLING REQUIRED FOR SHIPMENT TO THE JOB SITE WILL REQUIRE THE MATCH MARKING OF THE PLATES, ETC. TO INSURE THAT REASSEMBLY WILL BE IN THE SAME MANNER AS WAS SHOP ASSEMBLED. IT WILL BE REQUIRED THAT EACH POST BE PRE-ASSEMBLED AND INSTALLED AS A UNIT TO INSURE PROPER ALIGNMENT OF THE POST AND STUB ASSEMBLIES.
9. FURNISH 2 ~ .012" ± THICK AND 2 ~ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36 WITH ROCKWELL "B" SCALE HARDNESS OF 82 OR HIGHER. ALL SHIMS SHALL BE INSTALLED WITH THE CLOSED END TOWARD THE POST.

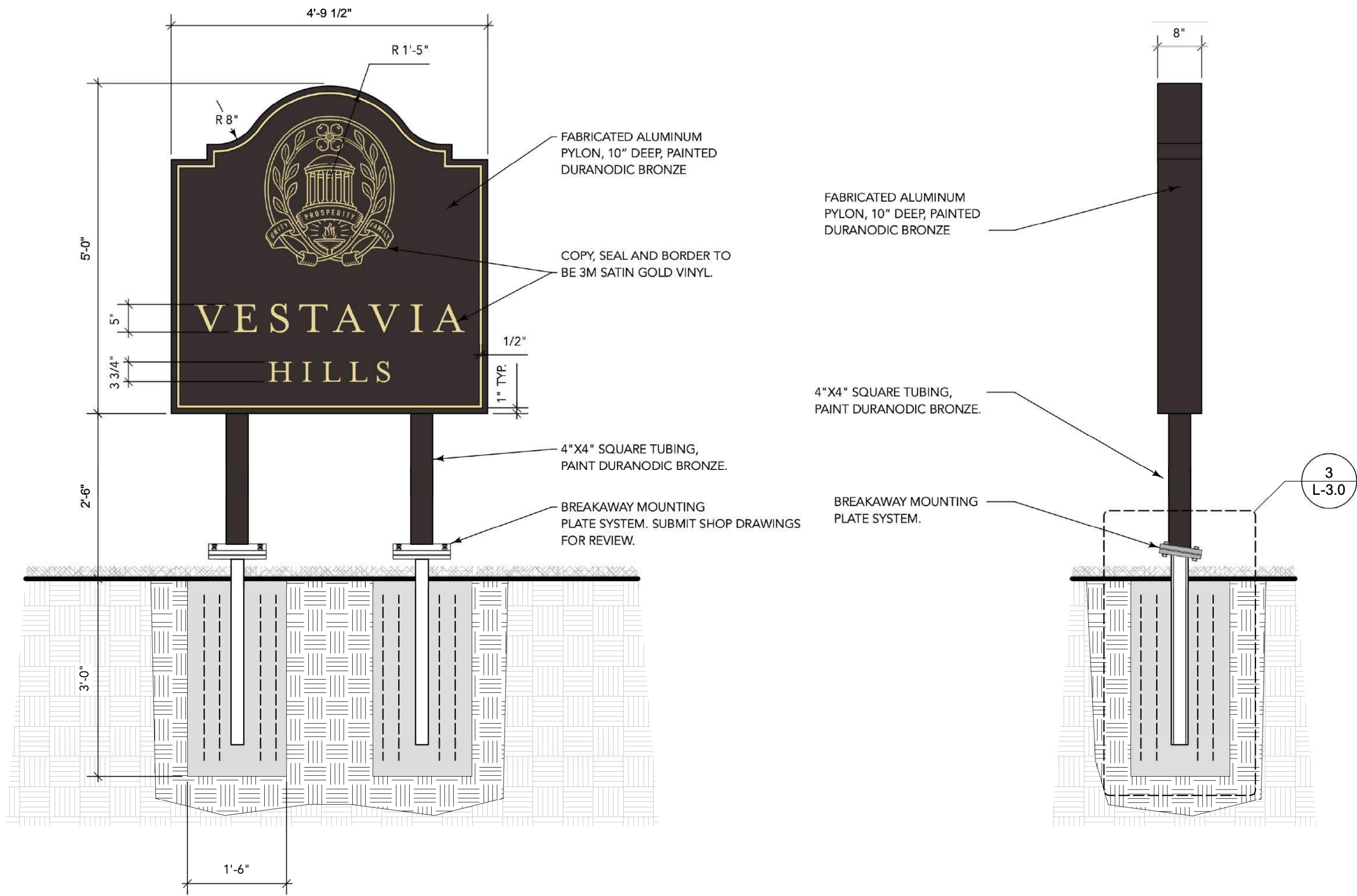


B - STEEL MOUNTING PLATE TO S3X5.7 IN-GROUND STUB(2)



NOTE: \*PLATES FOR BASE CONNECTION SHALL CONFORM WITH THE REQUIREMENTS OF ASTM 36

3 BREAKAWAY CONNECTION AND FOOTING  
Scale: 1" = 1'-0"



1 BOX SIGN- FRONT ELEVATION  
Scale: 3/4" = 1'-0"

2 BOX SIGN- SIDE ELEVATION  
Scale: 3/4" = 1'-0"

BOX SIGN NOTES

- 1.BASIS OF DESIGN: VESTAVIA HILLS SIGN AT THE SE CORNER OF HIGHWAY 280 AND DOLLY RIDGE ROAD. MATCH APPLICABLE STYLE, COLORS, ETC. SUBMIT SHOP DRAWINGS FOR APPROVAL.
- 2.LOGO AND LETTER FACES: 1/4" DEPTH BRUSHED ALUMINUM FACE WITH CLEAR COAT FINISH.
- 3.CABINET: 8" DEPTH CABINET. PAINT DURODONIC BRONZE.
- 4.SIGN FACE: CAST ALUMINUM. PAINT BACKGROUND MATTHEWS DURODONIC BRONZE. MATCH BASIS OF DESIGN. SUBMIT 12"x12" COLOR SAMPLES FOR APPROVAL.



BASIS OF DESIGN





# EXISTING ROW

130'-0"

234.62'

N 29° 40' 32" E

134'-0"

1 WALL SIGN - PLAN VIEW  
Scale: 1/8" = 1'-0"



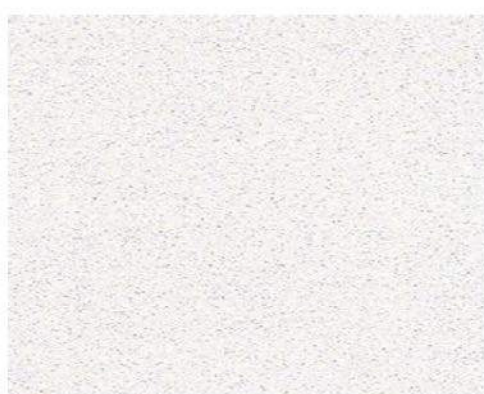
2 WALL SIGN - FRONT VIEW  
Scale: 1/8" = 1'-0"



3 WALL SIGN - REAR VIEW  
Scale: 1/8" = 1'-0"

## WALL SIGN NOTES

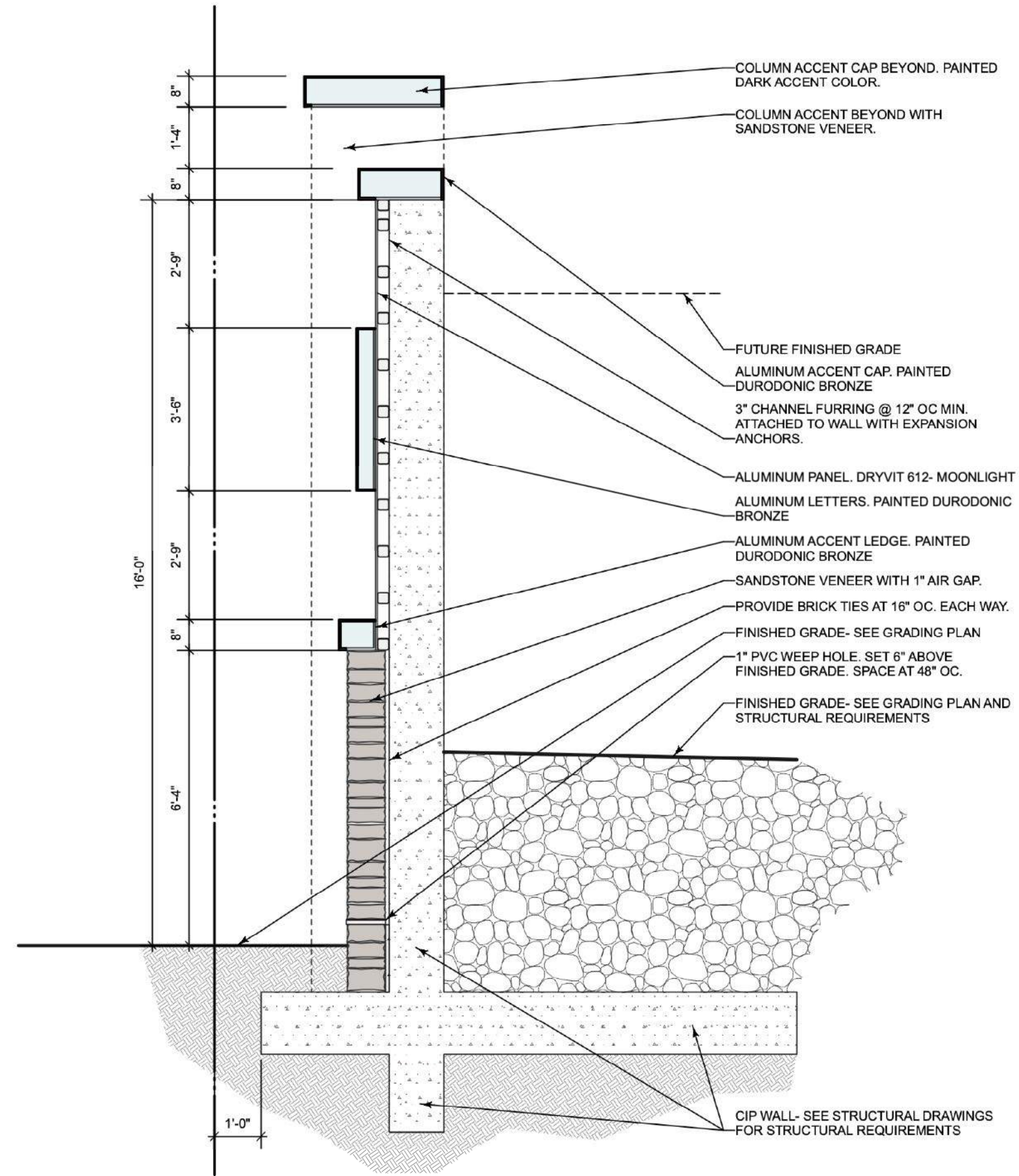
1. BASIS OF DESIGN: VESTAVIA HILLS SIGN AT 1090 MONTGOMERY HIGHWAY. MATCH APPLICABLE STYLE, COLORS, ETC. SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. CHANNEL LETTERS: FABRICATED ALUMINUM CHANNEL LETTERS WITH 5" WELDED RETURNS, 1" RETAINERS, AND BACKS PAINTED DURANODIC BRONZE.
3. LETTER FACES: 3/16" WHITE PLEX FACES. INTERNALLY ILLUMINATED USING HIGH-EFFICIENCY WHITE LEDS.
4. CABINET: 2" DEPTH MIN. 0.125" ALUMINUM SHEET SAND-STUCCO FINISH IN DRYVIT 612. PRIME AND PREPARE SURFACE AS REQUIRED. SUBMIT SHOP DRAWINGS FOR APPROVAL.
5. STONE VENEER: NATURAL STACKED STONE; FULL DEPTH VENEER. MAJESTIC STONE- LAURELBROOK BLEND. BRICK TIES 16" OC EW.



DRYVIT 612-  
MOONLIGHT



MAJESTIC STONE-  
LAURELBROOK BLEND



4 WALL SIGN - SECTION  
Scale: 3/8" = 1'-0"



## BASIS OF DESIGN



## City of Vestavia Hills Highway 31 Gateway Signs

1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/25  
SCALE: Scale  
PROJECT MANAGER: Duane Pritchett  
DRAWN: Duane Pritchett  
REVIEWED: Duane Pritchett  
PROJECT NO.:  
SHEET TITLE:

## Wall Sign Details

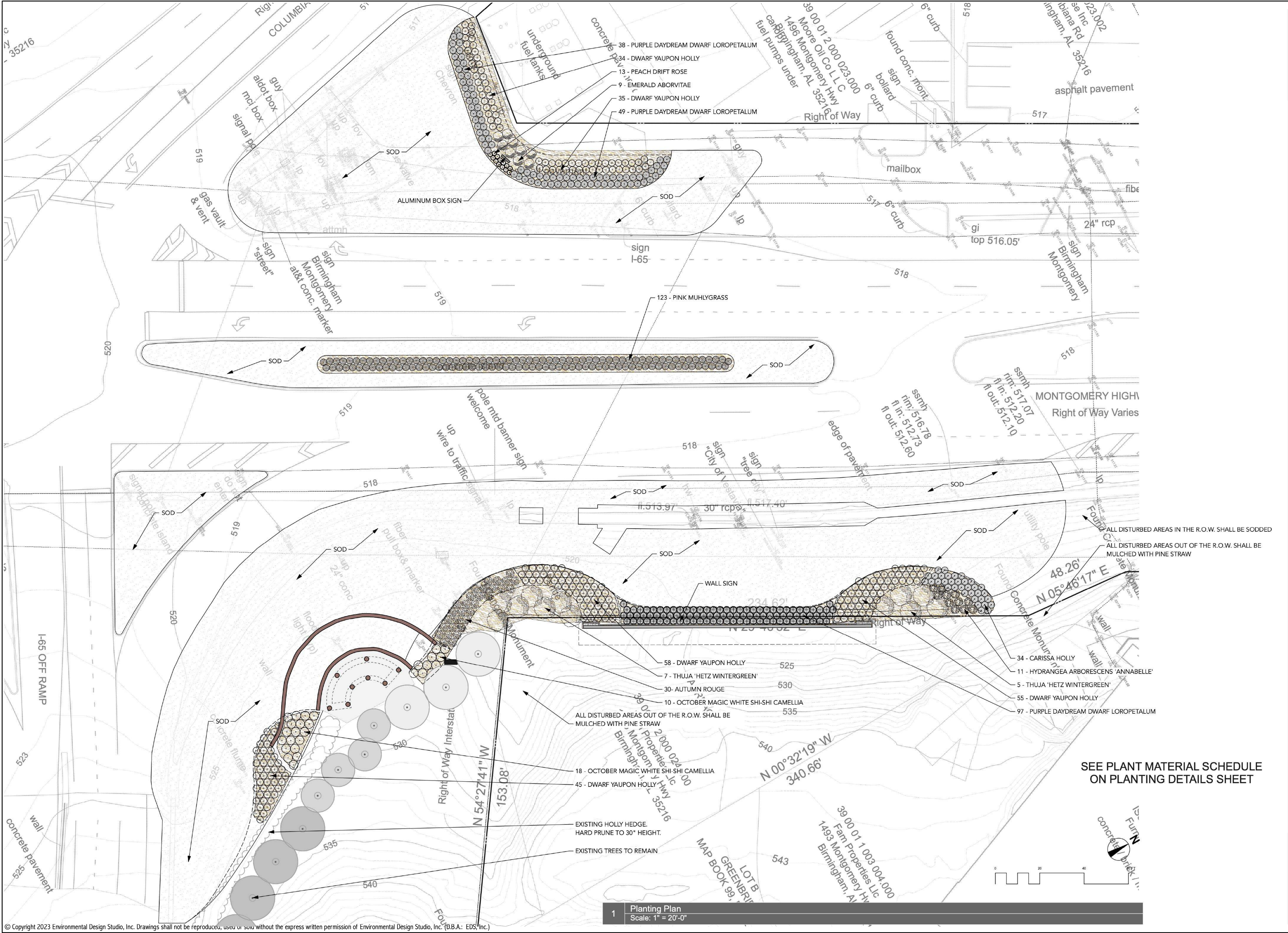
SHEET NUMBER:

L-4.1

SEQUENCE:

5 of 9





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# City of Vestavia Hills Highway 31 Gateway Signs

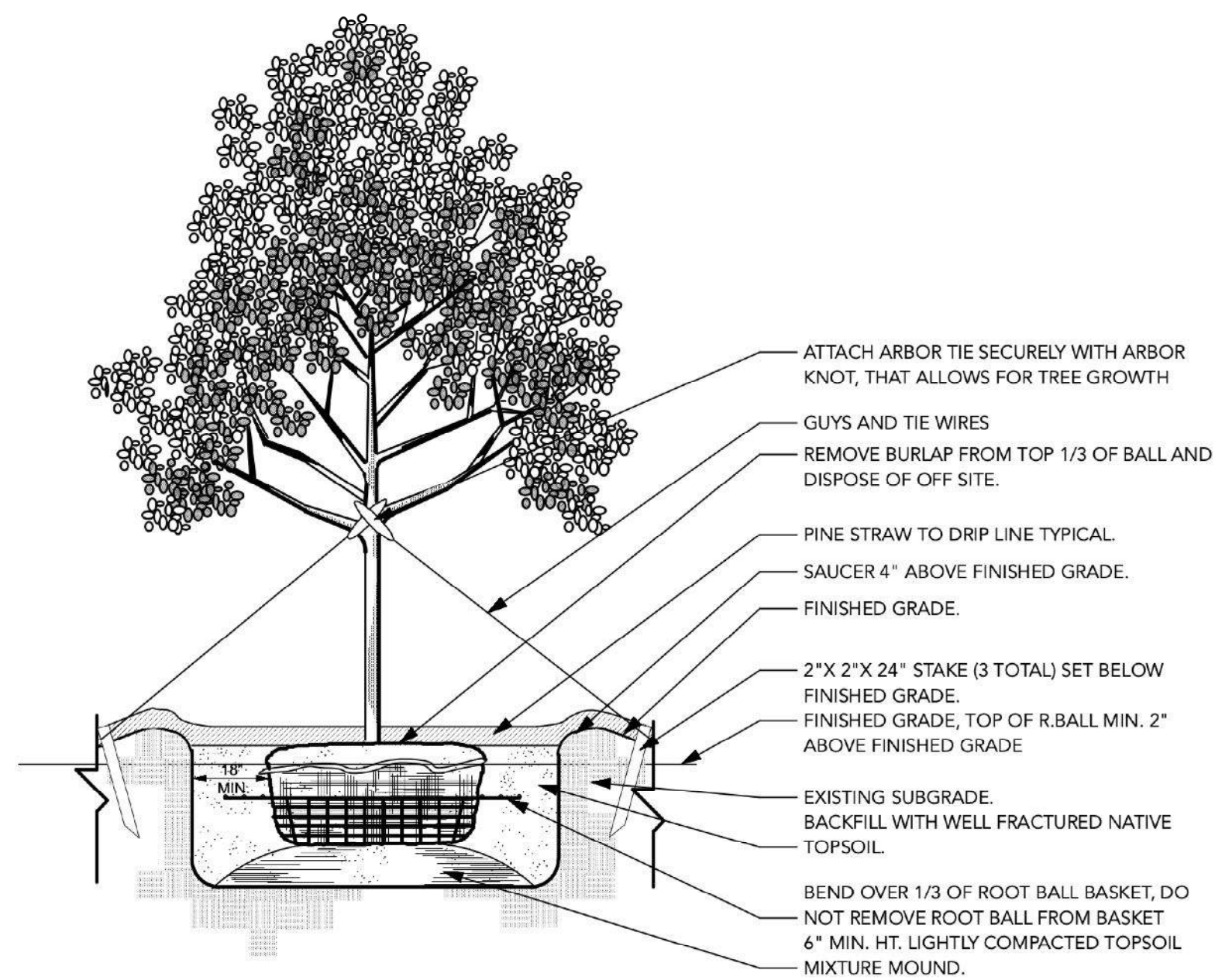
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/25  
SCALE: Scale  
PROJECT MANAGER: Duane Pritchett  
DRAWN: Duane Pritchett  
REVIEWED: Duane Pritchett  
PROJECT NO.:  
SHEET TITLE:

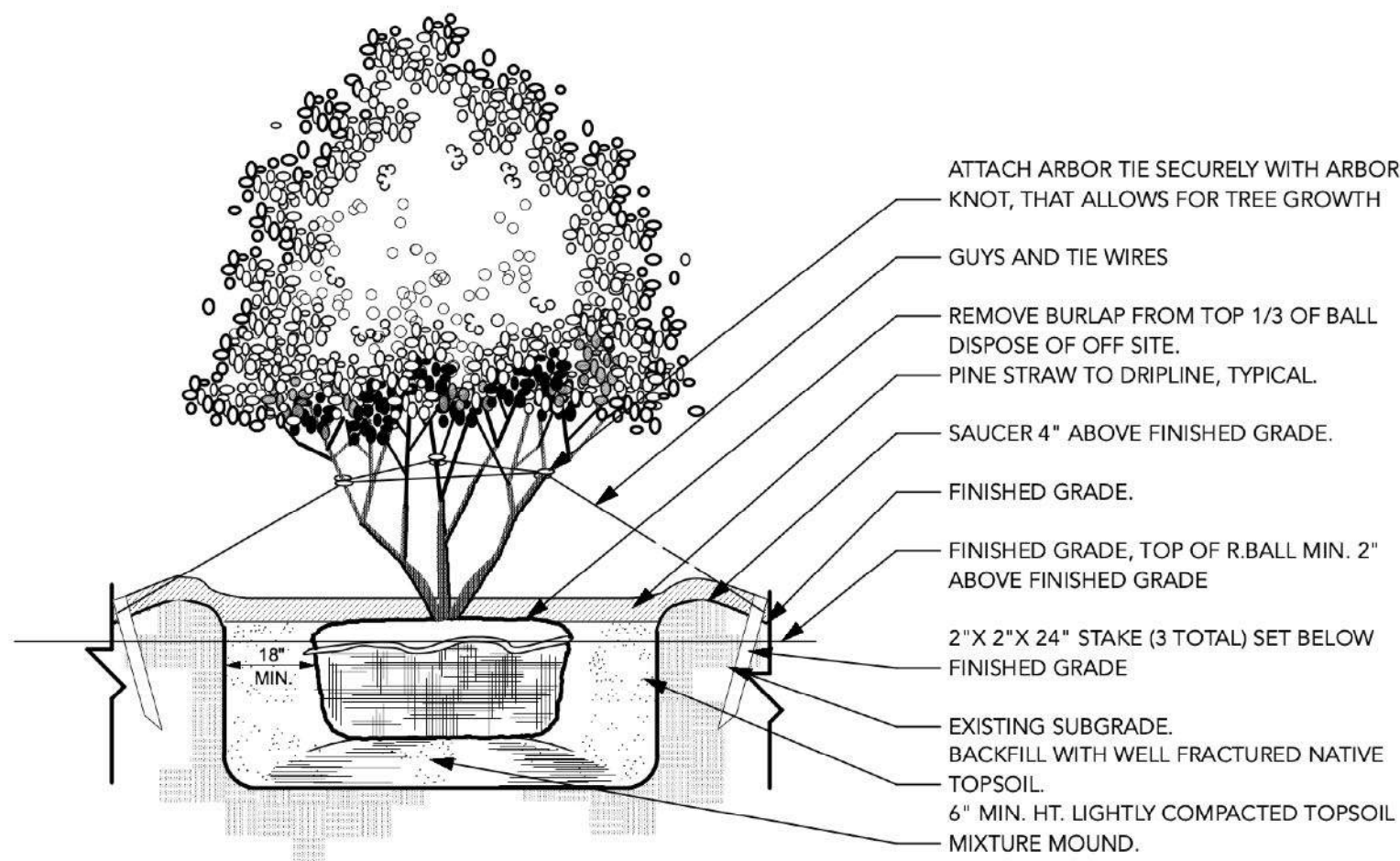
Planting Plan  
SHEET NUMBER:  
L-5.0  
SEQUENCE: 6 of 9





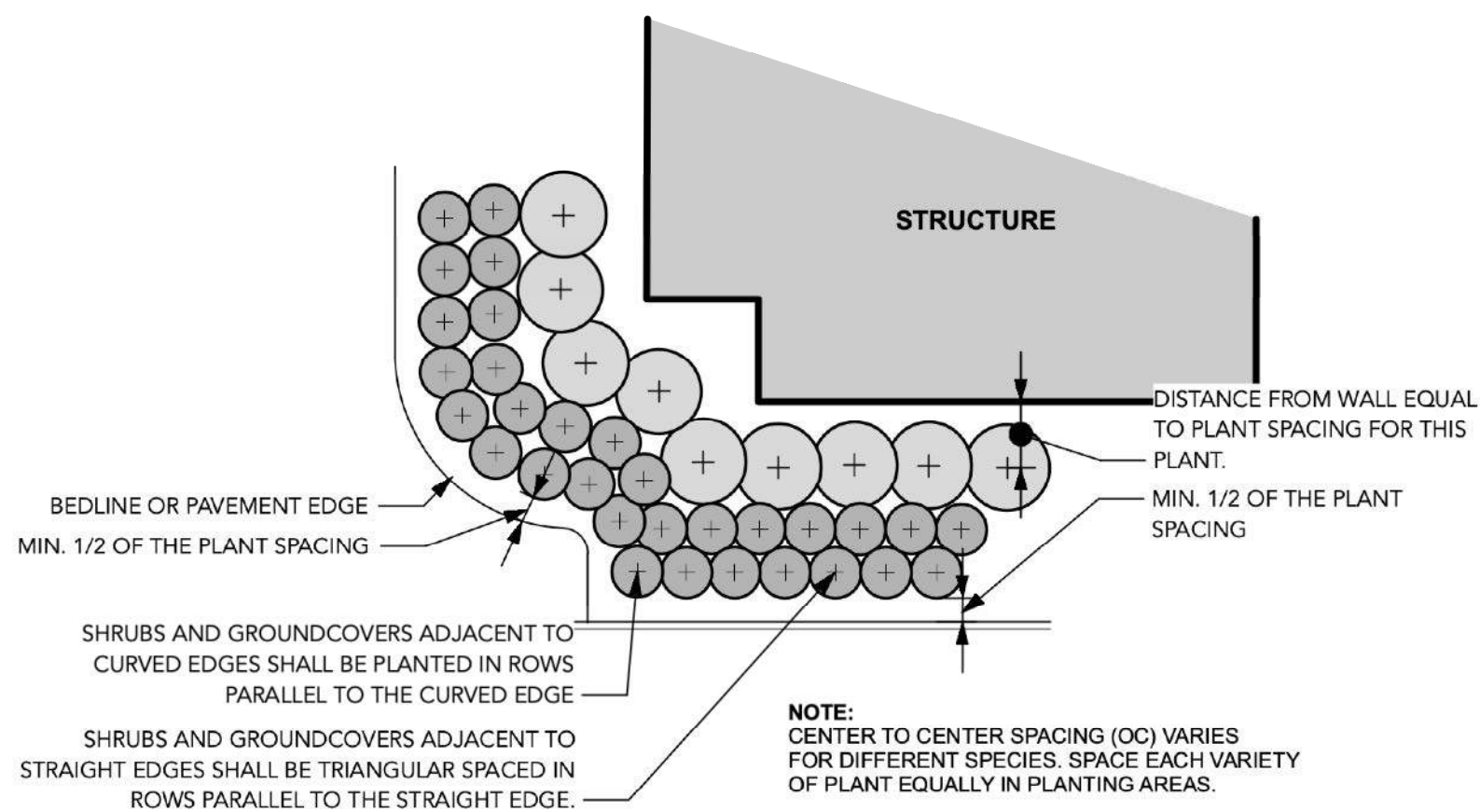
NOTE:  
• STAKE AND GUY TREES.  
• ROOT FLARES SHOULD BE NO MORE THAN 2\"/>

1 B&B Tree Planting Detail  
Scale: Actual Size

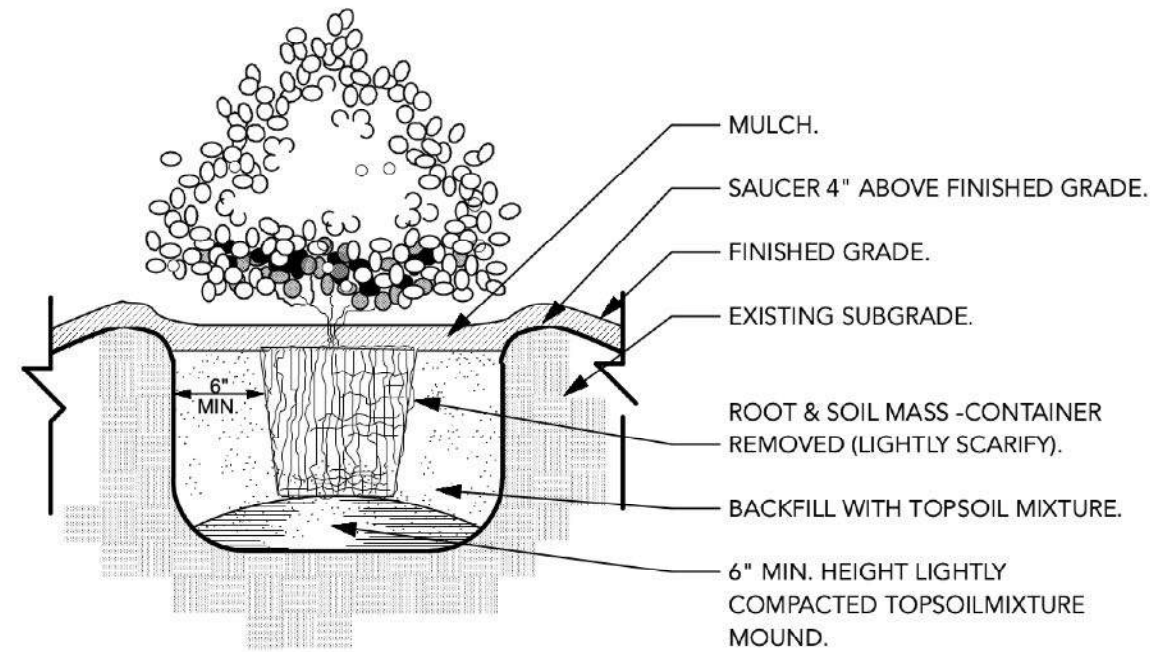


NOTE:  
• STAKE AND GUY TREES.  
• BRANCH AND INTERCONNECT MAIN STEMS WITH ARBOR TIES (OR EQUAL) AS SHOWN.  
• ROOT FLARES SHOULD BE NO MORE THAN 2\"/>

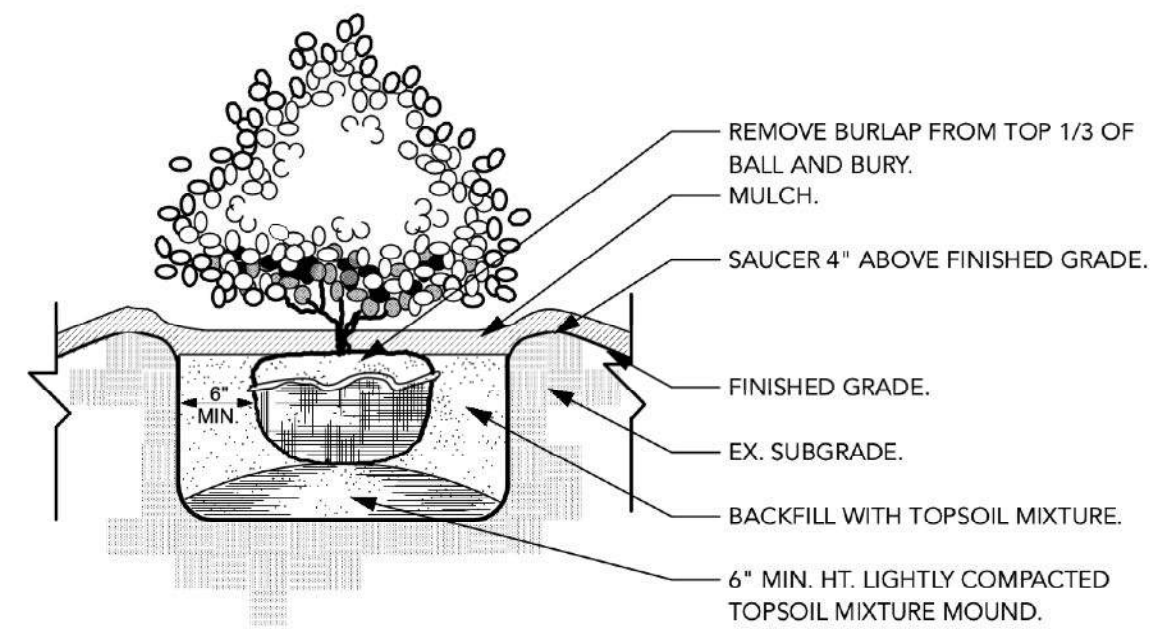
2 Multi-Trunk Tree Planting Detail  
Scale: Actual Size



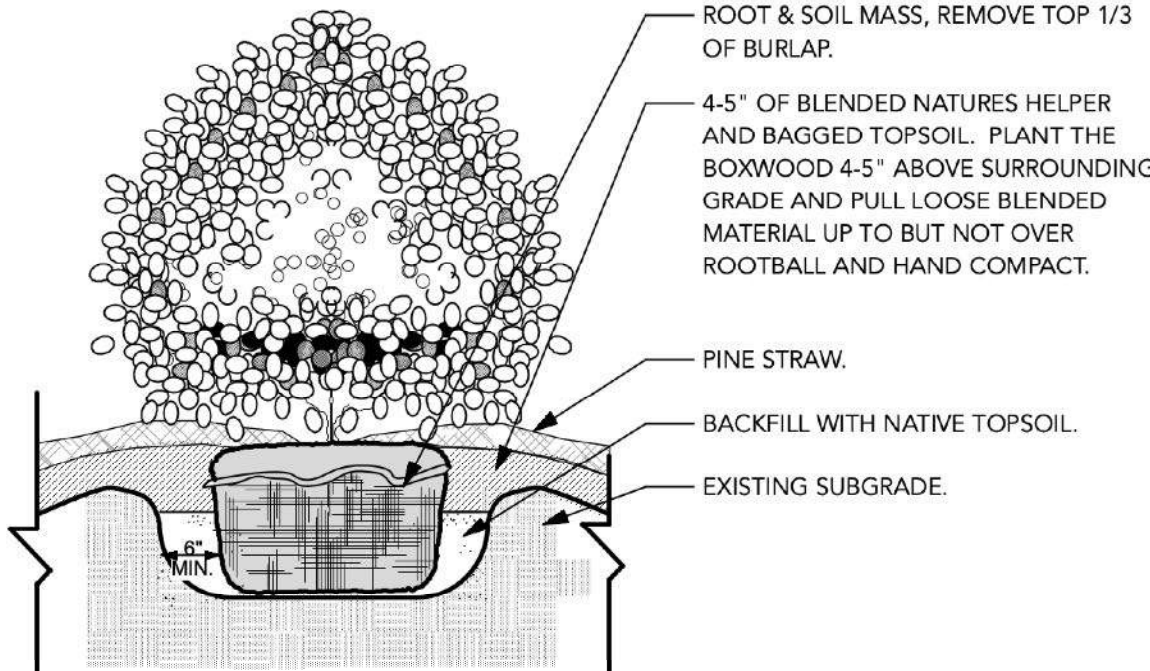
9 Typical Plant Layout Detail  
Scale: Actual Size



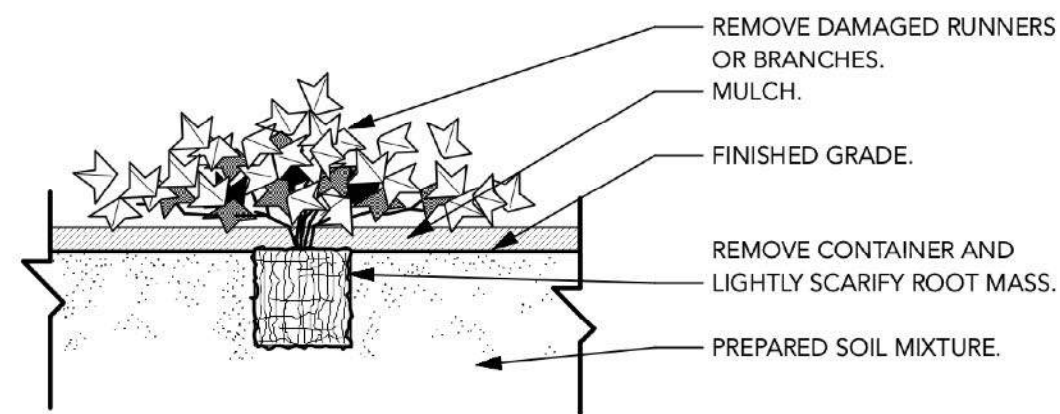
3 Container Shrub Planting Detail  
Scale: Actual Size



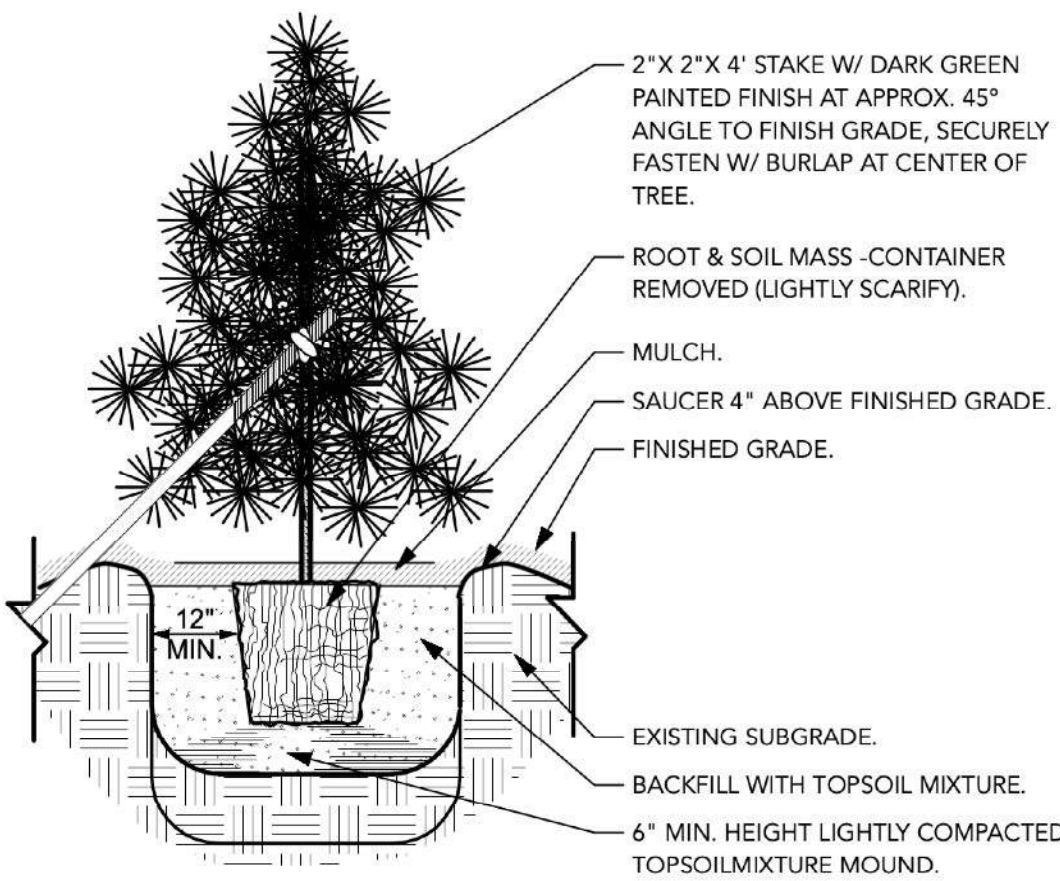
4 B&B Shrub Planting Detail  
Scale: Actual Size



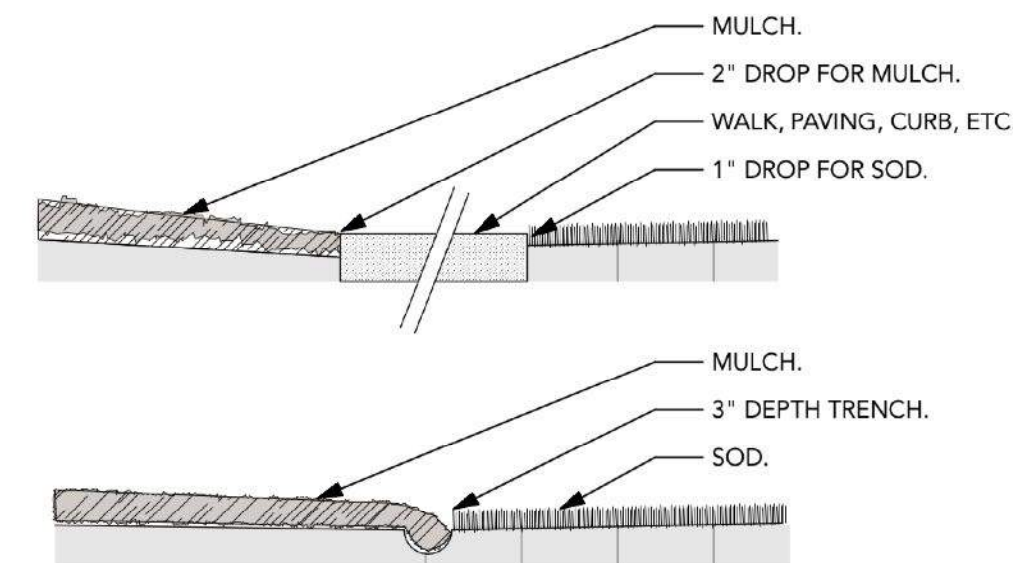
5 Boxwood Planting Detail  
Scale: Actual Size



6 Groundcover Planting Detail  
Scale: Actual Size



7 Liner Pine Planting Detail  
Scale: Actual Size



8 Edging Detail  
Scale: Actual Size

## GENERAL PLANTING NOTES

1. CONTRACTOR SHALL HAVE FULL SIZE DRAWINGS ON SITE AT ALL TIMES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS. CONTRACTOR SHALL, FOR HIS OWN PROTECTION, BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.
3. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. CONTRACTOR TO VERIFY ALL SUCH CONDITIONS TO HIS SATISFACTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
4. CONTRACTOR TO VERIFY ALL PLANT MATERIAL QUANTITIES AND PLANTING AREA DIMENSIONS PRIOR TO BEGINNING PLANTING. PROVIDE QUANTITIES AS REQUIRED TO MEET DESIGN INTENT AND REPORT ANY DIFFERENCES.
5. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL OR WORK CONSTRUCTED OR IMPLIED BY THESE PLANS, AT ANY TIME THROUGHOUT THE PROJECT.
6. CONTRACTOR SHALL STAKE TREE LOCATIONS AND LAY OUT BEDLINES 48 HOURS PRIOR TO PLANTING AND NOTIFY LANDSCAPE ARCHITECT FOR REVIEW. A MINIMUM 24 HOUR NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 2% SLOPE OR GREATER IN ALL PLANT AREAS.
8. CLEANUP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN AND READY FOR OWNER'S USE.
9. CONTRACTOR SHALL GUARANTEE ALL WORK AND PLANT MATERIAL, INCLUDING SEED AND/OR SOD, FOR ONE FULL YEAR FROM DATE OF FINAL ACCEPTANCE.
10. ALL SHRUB AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 6". ALL TURF (SEEDED OR SODDED) AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3", UNLESS SPECIFIED OTHERWISE IN THE PLANS.
11. ALL TURF (SEEDED OR SODDED) AREAS SHALL HAVE SOIL TESTED BY TESTING LAB. FERTILIZER AND LIME APPLICATION REGIME SHALL BE DEVELOPED AND FOLLOWED PER LANDSCAPE ARCHITECT REVIEW.
12. ALL PLANTING BEDS AND TREE PITTS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF PINE STRAW MULCH.
13. PLANTS SHALL BE WELL FORMED, VIGOROUS GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS, AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.
14. ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN. ALL SHRUBS, TREES, AND GROUNDCOVERS SHALL BE PLANTED WITH A SOIL MIXTURE CONSISTING OF 50% TOPSOIL AND 50% ORGANIC MATERIAL.
15. ALL TREES AND SPECIMEN PLANT MATERIAL SHALL BE LOCATED BY THE CONTRACTOR AT APPROVED NURSERIES OR THEIR EQUAL WHICH MUST BE APPROVED PRIOR TO BIDDING.
16. FRONT ROW OF SHRUBS SHALL BE PLANTED MINIMUM 24" BEHIND BEDLINE AT LAWNS, WALKS, AND BACK OF CURB AT PARKING SPACES.
17. BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 36" OFF FACE OF BUILDING WALL, GROUNDCOVERS SHALL BE PLANTED MINIMUM 12" OUT FROM BUILDING.
18. EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT, CRISP EDGE.
19. SEASONAL COLOR SHALL BE PLANTED IN A FLOWERING STATE.
20. REMOVE ALL GUY WIRES AND STAKES AT END OF GUARANTEE PERIOD.
21. AMEND ALL PLANTING HOLES AT TIME OF PLANTING WITH AGRIFORM FERTILIZATION TABLETS AT THE RATE RECOMMENDED BY THE MANUFACTURER.
22. PINE STRAW ALL DISTURBED AREAS NOT OTHERWISE NOTED.
23. CONTRACTOR SHALL PROVIDE 12 MONTH WARRANTY FOR ALL WORK AND MATERIALS.
24. SHRUB TO BEAR SAME RELATION TO FINISHED GRADE AFTER SETTLEMENT AS IT BORE TO PREVIOUS GRADE.
25. THE CONTRACTOR SHALL PROVIDE STRAW MULCH, WATER, STRAW MAT OR HYDROSEED MULCH AS REQUIRED TO PROVIDE SOLID STAND OF GRASS, IN AREAS TO BE SEEDED.
26. INSTALL LEBANON TURF, ROOTS, TERRA-SORB MEDIUM. TREE AND SHRUB PLANTING: MIX ROOTS TERRA-SORB EVENLY WITH THE BACKFILL SOIL AT A RATE OF 2 OUNCES (BY WEIGHT) PER INCH CALIPER FOR BALLED AND BURLAPPED TREES AND SHRUBS, OR 1 OUNCE (BY WEIGHT) PER 5 GALLONS FOR CONTAINERIZED TREES AND SHRUBS. SEE MANUFACTURER'S INSTRUCTIONS.

## IRRIGATION NOTES:

1. THERE IS NO IRRIGATION REQUIRED FOR THIS PROJECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR WATERING AS REQUIRED FOR HEALTH OF PLANT MATERIAL FOR 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION.
3. THE CONTRACTOR SHALL INSTALL PLANTING WITH LEBANON TURF, ROOTS, TERRA-SORB MEDIUM PER MANUFACTURER'S SPECIFICATIONS.

## PLANT MATERIALS SCHEDULE

Count	Scientific Name	Common Name	Size	Spacing	Root	Remarks
Trees						
12	Thuja 'Hetz Wintergreen'	Hetz Wintergreen Arborvitae	10' ht.	As Indicated	Cont.	Full plant
Shrubs						
30	Rhododendron 'Conlea'	Autumn Rouge Encore Azalea	15- 18" sp.	3' o.c.	Cont.	Full plant
28	Camellia sasanqua 'Shishi Gashira'	Shishi Gashira Camellia	18- 24" sp.	4' o.c.	Cont.	Full plant
9	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	6- 8' ht.	4' o.c.	Cont.	Full plant
227	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	15- 18" sp.	3' o.c.	Cont.	Full Plant
87	Loropetalum chinense 'PILC-III' PP25471	Purple Daydream Dwarf Loropetalum	15- 18" sp.	3' o.c.	Cont.	Full plant
97	Loropetalum chinensis 'PILC-I' PP25,534	Crimson Fire Loropetalum	18- 24" sp.	4' o.c.	Cont.	Full Plant
123	Muhlenbergia capillaris	Pink Muhlygrass	15- 18" sp.	3' o.c.	Cont.	Full Plant
11	Hydrangea Arborescens 'Annabelle'	Annabelle Hydrangea	18- 24" sp.	4' o.c.	Cont.	Full plant
Groundcover						
13	Rosa 'Meigkilli'	Peach Drift Rose	3 gal.	2' o.c.	Cont.	Full plant
Miscellaneous						
SOD	Cynodon dactylon '419'	Bermuda Sod		Solid Sod		Solid sod



# City of Vestavia Hills Highway 31 Gateway Signs

1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 7/14/25  
SCALE: Scale  
PROJECT MANAGER: Duane Pritchett  
DRAWN: Duane Pritchett  
REVIEWED: Duane Pritchett  
PROJECT NO.:  
SHEET TITLE :

## Planting Details

SHEET NUMBER:

L-5.1

SEQUENCE: 7 of 9



GENERAL NOTES:

1. GENERAL:
- 1.1. GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION.
- 1.2. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN ALL CONTRACT DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS.
- 1.3. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND STAMP ALL SHOP DRAWINGS WITH HIS SUBMITTAL REVIEW STAMP PRIOR TO SUBMITTING THEM TO THE ARCHITECT FOR FINAL REVIEW. SHOP DRAWINGS NOT BEARING THE CONTRACTOR'S SUBMITTAL REVIEW STAMP WILL BE RETURNED WITHOUT ACTION.
- 1.4. ALL SHOP DRAWINGS RELATED TO THE ITEMS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS SHALL BEAR THE ARCHITECT'S SUBMITTAL REVIEW STAMP PRIOR TO PROCEEDING.
- 1.5. DO NOT SCALE THESE DRAWINGS. WHERE DIMENSIONAL INFORMATION IS REQUIRED, OR DISCREPANCIES ARE NOTED, CONTACT THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
- 1.6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES ARE NOTED.
- 1.7. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION.
- 1.8. THE STRUCTURE IS DESIGNED BASED ON THE COMPLETED CONDITION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING TO MAINTAIN STABILITY DURING CONSTRUCTION PRIOR TO THE COMPLETION OF THE STRUCTURE.

2. FOUNDATION:
- 2.1. ALL FOOTINGS AND FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. FOOTINGS ARE TO BEAR ON UNDISTURBED SOIL OR SATISFACTORY, COMPACTED STRUCTURAL FILL AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- 2.2. FOOTINGS SHALL BE NEATLY EXCAVATED WITH ALL SURFACES FREE OF LOOSE AND WET MATERIAL. WHERE NEAT EXCAVATIONS ARE NOT POSSIBLE, FOOTING EDGES SHALL BE FORMED AND BRACED. EDGES OF FOOTING SHALL BE BACKFILLED WITH COMPACTED FILL OR LEAN CONCRETE AFTER FORMS ARE REMOVED.
- 2.3. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH RECOMMENDATIONS AND ALLOWABLE SOIL BEARING PRESSURE NOTED ABOVE. ALL FOOTING ELEVATIONS ARE ESTIMATED AND MAY REQUIRE ADJUSTMENT IN THE FIELD.
- 2.4. WHERE UNSUITABLE SOILS ARE ENCOUNTERED, THE GEOTECHNICAL ENGINEER SHALL PROVIDE RECOMMENDATIONS TO OBTAIN THE ALLOWABLE SOIL BEARING PRESSURE NOTED ABOVE (LEAN CONCRETE, APPROVED STRUCTURAL FILL, SOIL REMEDIATION, ETC.).
- 2.5. RETAINING WALLS SHALL BE BACKFILLED WITH #57 STONE PLACED IN A 45-DEGREE WEDGE EXTENDING FROM THE BACK OF THE FOOTING HEEL. STONE SHALL BE COMPACTED IN 1'-0" MAX LIFTS UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.
- 2.6. THE OWNER SHALL HIRE A GEOTECHNICAL ENGINEER TO REVIEW THE FOUNDATION BEARING SURFACE TO ENSURE THE BEARING SURFACE COMPLIES WITH THE ALLOWABLE SOIL BEARING LISTED ABOVE AND THE BACKFILL MATERIAL SATISFIES THE SOIL PARAMETERS INDICATED FOR THE RETAINING WALL DESIGN.

3. CONCRETE:
- 3.1. CONCRETE DESIGN CODE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE - ACI 318 (EDITION REFERENCED IN THE APPLICABLE BUILDING CODE EDITION LISTED ABOVE).
- 3.2. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c) OF 4,000 PSI.
- 3.3. WHERE CONCRETE MIXTURES CONTAIN FLY ASH (CLASS C OR F) TO REDUCE THE TOTAL AMOUNT OF PORTLAND CEMENT, WHICH WOULD OTHERWISE BE USED, THE FLY ASH SHALL BE LIMITED TO 25%, BY WEIGHT, OF THE TOTAL WEIGHT OF THE CEMENTITIOUS MATERIALS USED.
- 3.4. UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL BE GRADE 60, DEFORMED BARS, CONFORMING TO ASTM A615.

CLASS "B" TENSION LAP SPICE TABLE			
BAR SIZE	d <sub>b</sub> (in)	f'c = 4000 psi	
		TOP BARS	OTHER BARS
#3	0.375	24"	19"
#4	0.500	32"	25"
#5	0.625	40"	31"
#6	0.750	48"	37"
#7	0.875	70"	54"
#8	1.000	80"	62"
#9	1.128	91"	70"
#10	1.270	102"	79"
#11	1.410	113"	87"

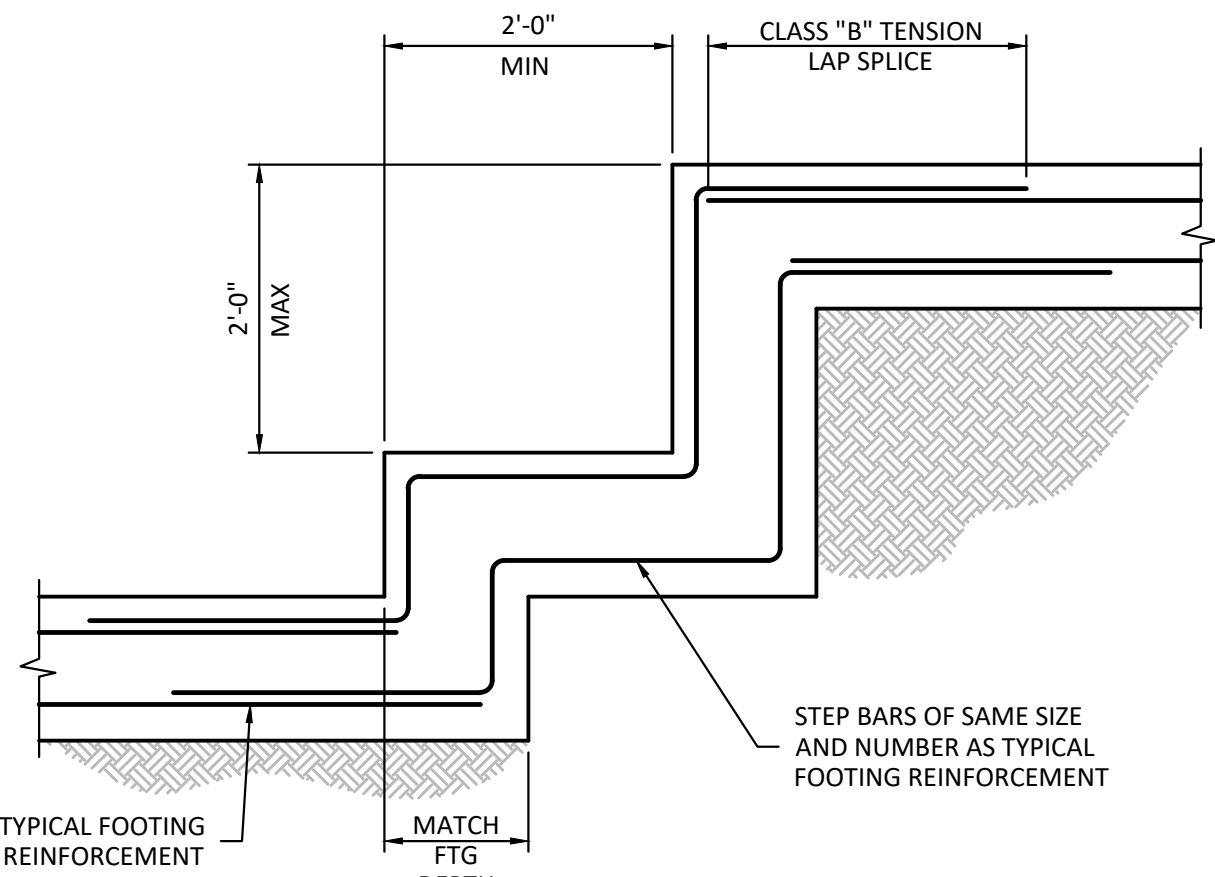
1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE DEVELOPMENT LENGTH OR SPICE.
2. CLEAR COVER AND SPACING MUST MEET THE FOLLOWING:  
BEAMS/COLUMNS  
COVER AT LEAST 1d<sub>b</sub>  
C-C SPACING AT LEAST 2d<sub>b</sub>  
ALL OTHERS  
COVER AT LEAST 1d<sub>b</sub>  
C-C SPACING AT LEAST 3d<sub>b</sub>
3. TABLE IS BASED ON REINFORCING BAR YIELD STRENGTH (f<sub>y</sub>) OF 60 ksi AND NORMAL WEIGHT CONCRETE. WHERE LIGHT WEIGHT CONCRETE IS USED, SPICE LENGTHS SHALL BE INCREASED 30%.
4. TO OBTAIN CLASS "A" TENSION LAP SPICE LENGTHS (DEVELOPMENT LENGTH), DIVIDE SPICE LENGTHS BY 1.3.

- 3.5. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI-SP-66-LATEST EDITION).
- 3.6. ALL BAR SPICES SHALL BE CLASS 'B' TENSION LAP SPICES, AS SPECIFIED IN ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL NOT BE WELDED UNLESS APPROVED BY THE ENGINEER.
- 3.7. ALL EMBEDDED STRUCTURAL STEEL ITEMS, EXCEPT FOR ANCHOR RODS, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, UNLESS NOTED OTHERWISE. ANCHOR RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE.
- 3.8. INTERSECTING WALLS SHALL BE KEYED IF POURED SEPARATELY. RUN HORIZONTAL WALL REINFORCING CONTINUOUSLY INTO INTERSECTING WALL.
- 3.9. CHAMFER ALL EXPOSED CONCRETE CORNERS WITH ¼" x 45-DEGREE CHAMFER, UNLESS NOTED OTHERWISE.
- 3.10. CONTRACTOR TO REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- 3.11. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL OPENINGS WITH THE MECHANICAL AND ELECTRICAL DETAILS AND SHOP DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITY LINES THROUGHOUT THE BUILDING.
- 3.12. SHEAR KEYS TO BE 2x4 NOMINAL, UNLESS NOTED OTHERWISE.
- 3.13. PROVIDE CONCRETE COVERAGE OF REINFORCEMENT AS FOLLOWS (PER ACI 318):

FOOTINGS	2" TOP 3" BOT & SIDES
WALLS	1 ½" EF

- 3.14. PROVIDE CORNER BARS AT ALL INTERSECTING WALLS AND FOOTINGS TO SPlice WITH ALL CONTINUOUS REINFORCEMENT.
- 3.15. ALL CONCRETE SHALL BE CURED USING WET METHODS OR CURING COMPOUND PER ACI 301. COMPLY WITH ACI FOR MIXING, TRANSPORTING, FORMING, PLACING, AND CURING CONCRETE.
- 3.16. FOR COLUMNS, PEDESTAL, AND VERTICAL WALL REINFORCING, DOWEL VERTICAL BARS TO FOUNDATION WITH HOOKED BARS OF THE SAME SIZE AND SPACING OF VERTICAL BARS AND PROVIDE A CLASS 'B' TENSION LAP SPICE.
- 3.17. CONCRETE FORMWORK: FORMWORK FOR ELEVATED CONCRETE SHALL BE DESIGNED, ERCTED, SHORED, BRACED, AND MAINTAINED ACCORDING TO ACI 301, TO SUPPORT VERTICAL, LATERAL, AND CONSTRUCTION LOADS THAT MIGHT BE APPLIED UNTIL STRUCTURE CAN SUPPORT SUCH LOADS. RETIGHTEN FORMS AND BRACING BEFORE PLACING CONCRETE, AS REQUIRED, TO PREVENT MORTAR LEAKS AND MAINTAIN PROPER ALIGNMENT.
- 3.18. FORM-FACING MATERIALS SHALL INCLUDE EXTERIOR GRADE PLYWOOD PANELS (HIGH-DENSITY OVERLAY, CLASS 1 OR BETTER), METAL, OR OTHER APPROVED PANEL MATERIALS.
- 3.19. FORMWORK FOR SIDES OF ELEVATED BEAMS, WALLS, COLUMNS, AND SIMILAR PARTS OF THE WORK THAT DO NOT SUPPORT THE WEIGHT OF THE CONCRETE MAY BE REMOVED AFTER CURING AT NOT LESS THAN 50 DEGREES FAHRENHEIT FOR 24 HOURS AFTER PLACING CONCRETE. LEAVE FORMWORK AND SHORING FOR BEAM SOFFITS, JOISTS, SLABS, AND OTHER STRUCTURAL ELEMENTS THAT SUPPORT THE WEIGHT OF THE CONCRETE IN PLACE UNTIL THE CONCRETE HAS ACHIEVED AT LEAST 75% OF ITS 28 DAY DESIGN COMPRESSIVE STRENGTH BUT NOT LESS THAN 7 DAYS.
- 3.20. CONCRETE COLD-WEATHER PLACEMENT: COMPLY WITH ACI 306.1 AND AS FOLLOWS. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES.

WHEN AVERAGE HIGH AND LOW TEMPERATURE IS EXPECTED TO FALL BELOW 40 DEGREES FAHRENHEIT FOR THREE SUCCESSIVE DAYS, MAINTAIN DELIVERED CONCRETE MIXTURE TEMPERATURE WITHIN THE TEMPERATURE RANGE REQUIRED BY ACI 301.



FOOTING STEP DETAIL

TYPICAL

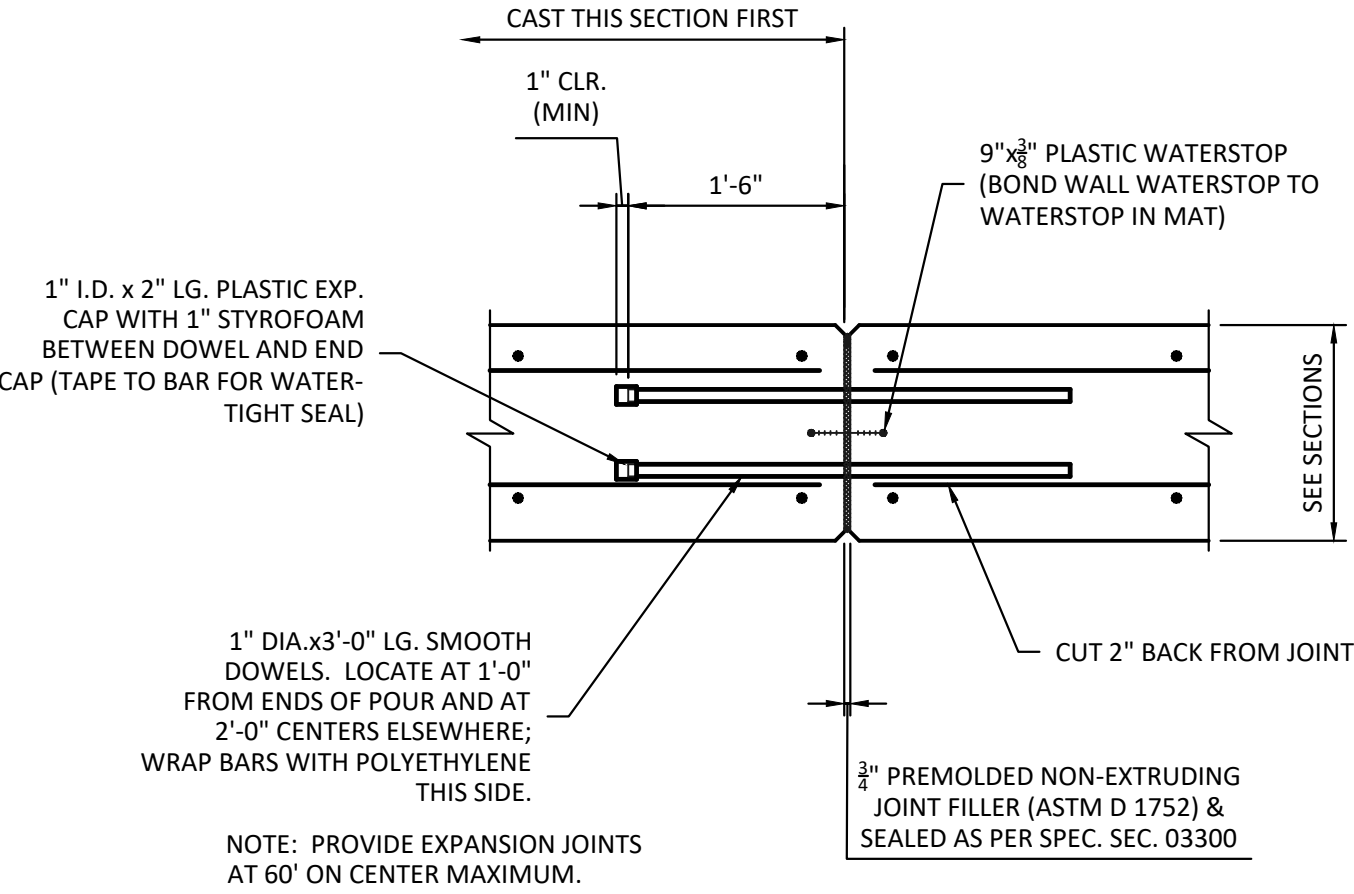
DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE OR SNOW. DO NOT PLACE CONCRETE ON FROZEN SUBGRADE OR SUBGRADE CONTAINING FROZEN MATERIALS. DO NOT USE CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS UNLESS OTHERWISE SPECIFIED AND APPROVED IN MIXTURE DESIGNS.

- 3.21. CONCRETE HOT-WEATHER PLACEMENT: COMPLY WITH ACI 301 AND AS FOLLOWS:

MAINTAIN CONCRETE TEMPERATURE BELOW 90 DEGREES FAHRENHEIT AT TIME OF PLACEMENT. CHILLED MIXING WATER OR CHOPPED ICE MAY BE USED TO CONTROL TEMPERATURE, PROVIDED WATER EQUIVALENT OF ICE IS CALCULATED TO TOTAL AMOUNT OF MIXING WATER. USING LIQUID NITROGEN TO COOL CONCRETE IS CONTRACTOR'S OPTION. FOG-SPRAY FORMS, STEEL REINFORCEMENT, AND SUBGRADE JUST BEFORE PLACING CONCRETE. KEEP SUBGRADE UNIFORMLY MOIST WITHOUT STANDING WATER, SOFT SPOTS, OR DRY AREAS.

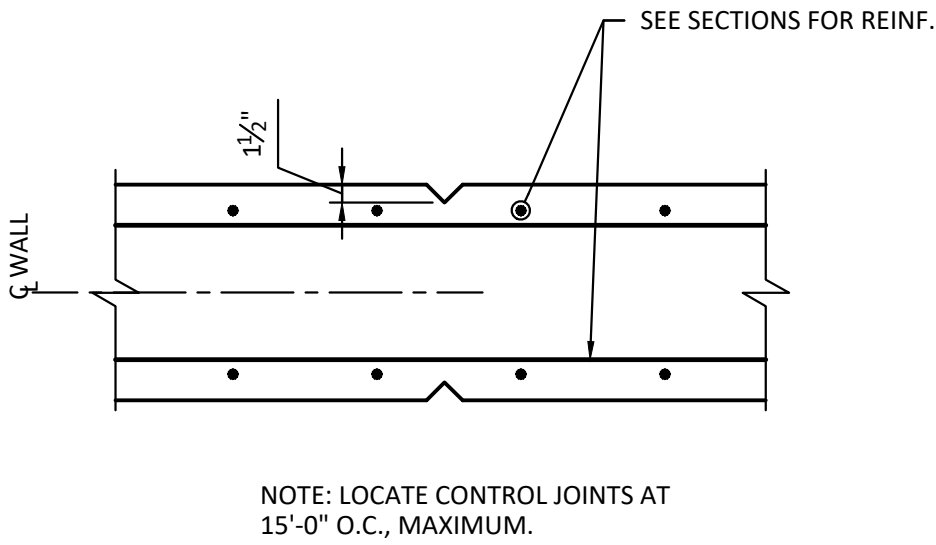
- 3.22. CONCRETE TESTING: THE OWNER SHALL HIRE AN INDEPENDENT QUALIFIED TESTING AGENCY TO PERFORM THE CONCRETE TESTING BELOW. COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C 172, SHALL BE TESTED BASED ON THE FOLLOWING REQUIREMENTS:

- A. OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CUBIC YARDS BUT LESS THAN 25 CUBIC YARDS, PLUS ONE SET FOR EACH ADDITIONAL 50 CUBIC YARDS.
- B. SLUMP: PER ASTM C 143. ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
- C. AIR CONTENT: PER ASTM C 231. ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
- D. CONCRETE TEMPERATURE: PER ASTM C 1064. ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES FAHRENHEIT AND BELOW OR 80 DEGREES FAHRENHEIT AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
- E. COMPRESSIVE TEST SPECIMENS: PER ASTM C 31. CAST AND LABORATORY CURE THREE SETS OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
- F. COMPRESSIVE STRENGTH TEST: PER ASTM C 39. TEST ONE SET OF TWO LABORATORY CURED SPECIMENS AT 7 DAYS AND ONE SET OF TWO SPECIMENS AT 28 DAYS. HOLD ADDITIONAL SET OF TWO SPECIMENS FOR 56 DAY TEST IF REQUIRED. A COMPRESSIVE STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FROM THE SAME COMPOSITE SAMPLE AND TESTED AT THE AGE INDICATED.



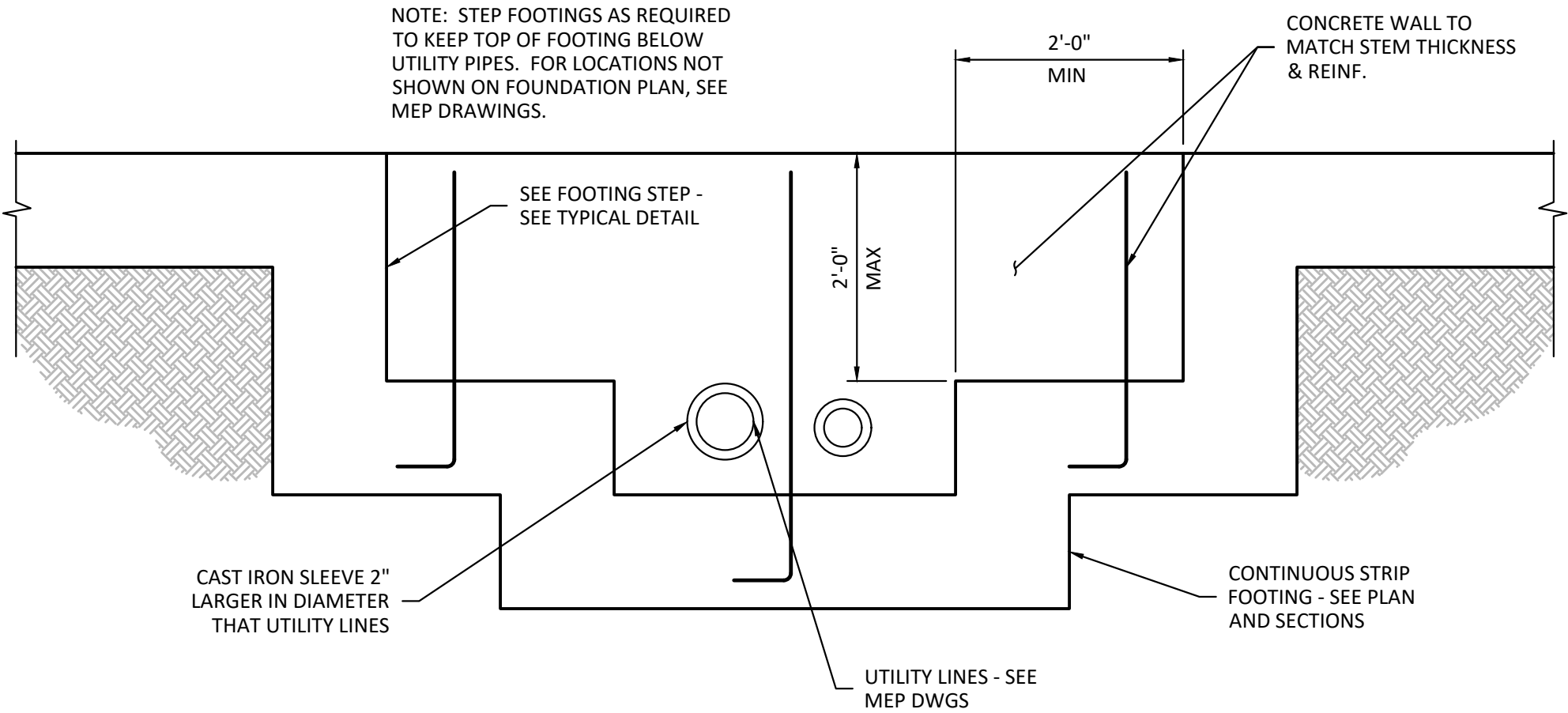
CONCRETE WALL EXPANSION JOINT DETAIL

TYPICAL



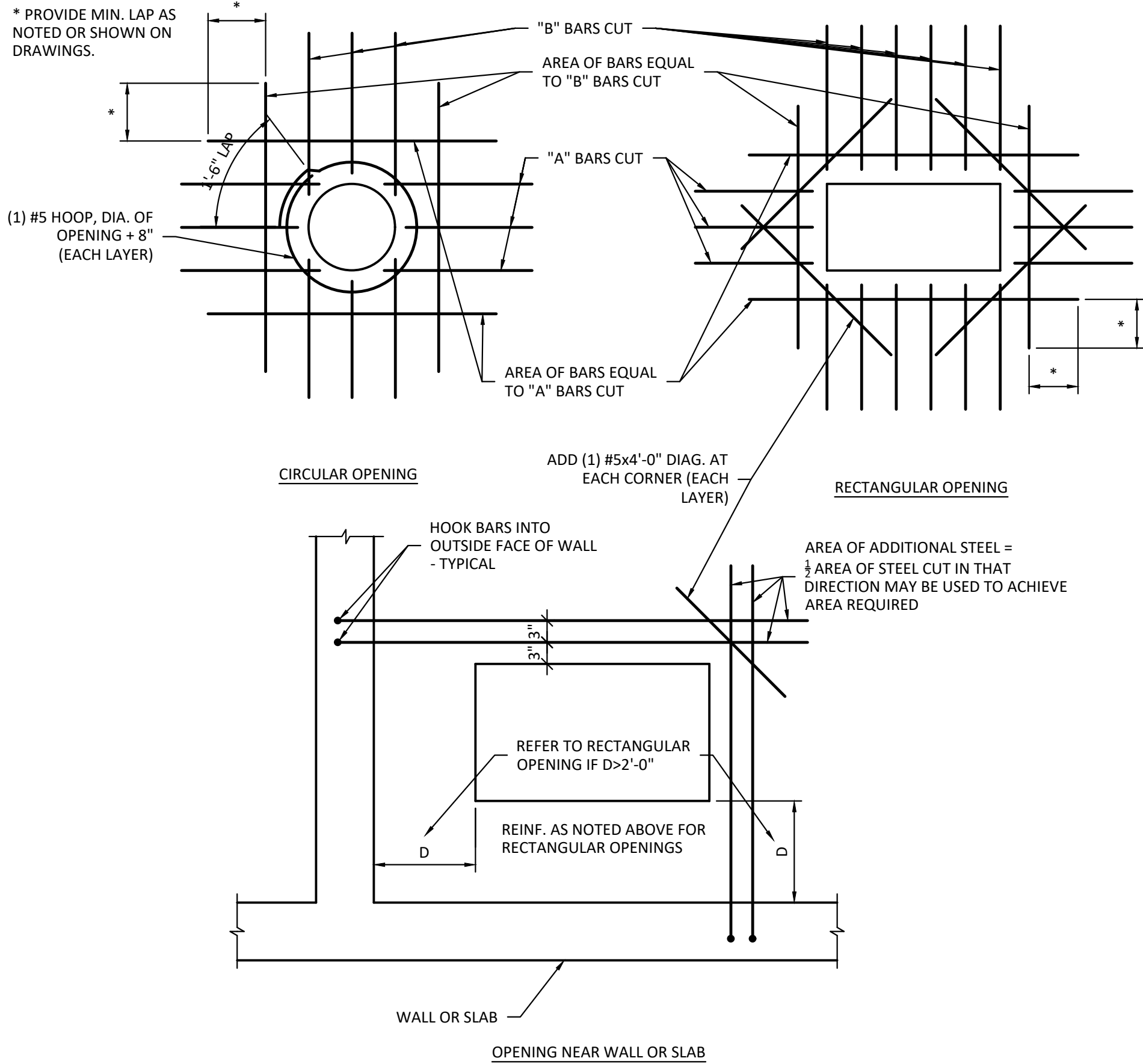
CONCRETE WALL CONTROL JOINT DETAIL

TYPICAL



FOUNDATION WALL AT UTILITIES

TYPICAL



CONCRETE WALL OPENING REINFORCEMENT DETAIL

TYPICAL

REVISIONS

DATE: 07/14/2025  
SCALE: 3/4"  
PROJECT MANAGER: Duane Pritchett  
DRAWN: TRG  
REVIEWED: SID  
PROJECT NO: 24.153

SHEET TITLE:  
General Notes &  
Typ Details

SHEET NUMBER:

S-1.1

SEQUENCE: 5 of 15

## REVISIONS

## Wall Section

S-1.2

SEQUENCE: 5 of 15



- ## RETAINING WALL SECTION

TYPICAL