

ADVERTISEMENT FOR BIDS

TOWN OF CROSSVILLE
7854 Highway 227 South
Crossville, AL 35962

Separate sealed BIDS for the construction of **bridge replacement on County Road 825 over Baker Branch with CMP culverts including removal of old bridge and abutments, 572 tons of coarse aggregate, 53 tons of crushed aggregate, 66 tons superpave bituminous concrete wearing surface, 26 tons superpave bituminous concrete upper binder layer, 47 tons of aggregate surfacing, 80 LF of 108" diameter aluminumized, Type 2, corrugated metal pipe (CMP), mobilization, traffic control, 300 tons loose riprap, 700 SY geotextile filter blanket, 2 double 108" roadway pipe concrete headwalls, 300 LF cattle fence reset, 48 CY topsoil, 200 SY erosion control blanket, erosion and sedimentation control, temporary fencing, temporary stream crossing and related items** will be received by the **TOWN OF CROSSVILLE** at the office of the **Town of Crossville, Town Hall, 7854 Highway 227 South, Crossville, AL 35962** until **10:00 A.M., CDT, Tuesday, April 4, 2023**, and then at said office publicly opened and read aloud.

The CONTRACT DOCUMENTS may be examined at the following locations:

Town of Crossville, Crossville, AL
Ladd Environmental Consultants, Inc., Fort Payne, AL
Construct Connect Plan Room, 1-800-364-2059
Dodge Data & Analytics Plan Room
The Blue Book Plan Room

Copies of the CONTRACT DOCUMENTS may be obtained at the office of **Ladd Environmental Consultants, Inc., located at P. O. Box 680869 (Zip 35968-1609), 1207 Chitwood Avenue, SE, Fort Payne, Alabama 35967-4822, (Phone: 256-845-5315)** upon payment of a plan deposit of **\$50.00** for each set.

Unsuccessful bidders will be refunded 100% of the plan deposit for one set returned to the Engineer, in reusable condition, within 10 days after the bid opening. Additional sets obtained shall be refunded 50% of the plan deposit.

All non-bidders, subcontractors, vendors or dealers shall be refunded 50% of the plan deposit for each set returned to the Engineer, in reusable condition, within 10 days after the bid opening.

The plan deposit amount as indicated above is in accordance with Alabama Act No. 97-225 relating to the competitive bid laws for public works.

All Bidders must comply with the requirements of the State Licensing Board for General Contractors (Latest Edition) and with the Alabama Act No. 97-225 (Title 39, Code of Alabama, 1975 as amended) relating to competitive bid laws for public works.

All Bidders must be properly licensed in accordance with the requirements of the State Licensing Board for General Contractors (Chapter 8, Title 34, Code of Alabama, 1975 or latest).

OWNER: TOWN OF CROSSVILLE

February 27, 2023
Date

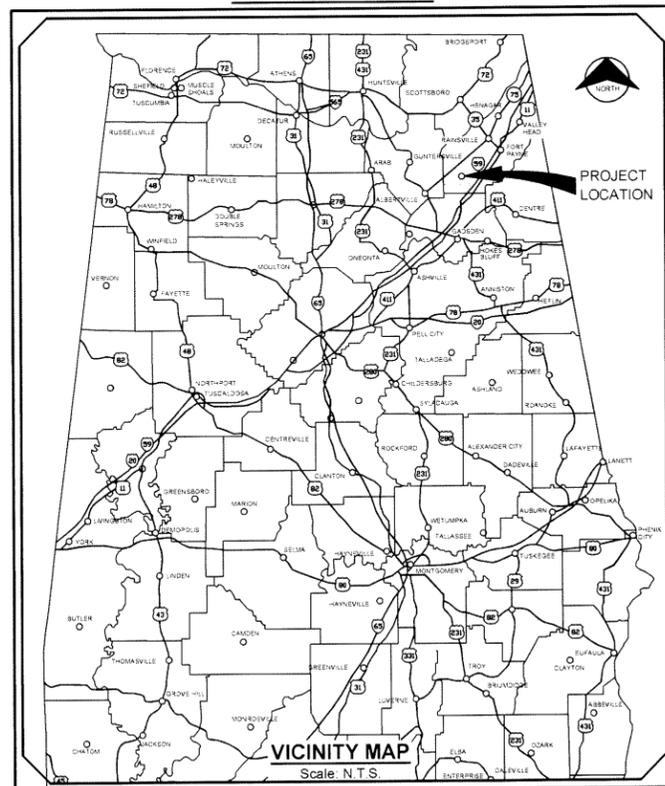
Roger Richards, Mayor

Posted of Town Hall Bulletin Board

[5193]
[REV.9/22/00]

BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR TOWN OF CROSSVILLE

VICINITY MAP



FINANCED BY:
ALDOT FY 2022
REBUILD ALABAMA ACT
GRANT PROGRAM

PREPARED FOR:
TOWN OF CROSSVILLE
7854 HWY. 227 SOUTH
CROSSVILLE, AL 35962

PREPARED BY:
LADD ENVIRONMENTAL CONSULTANTS, INC.
1207 CHITWOOD AVENUE, S.E.
FORT PAYNE, ALABAMA 35967

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9	MISCELLANEOUS DETAILS
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13	TEMPORARY DETAILS

JOB NO. 5193

FILE: SI

DATE: JANUARY, 2023



LADD ENVIRONMENTAL CONSULTANTS, INC.

P.O. BOX 680869 - FORT PAYNE, AL 35968 - 1207 CHITWOOD AVENUE S.E. - FORT PAYNE, AL 35967
PHONE: (256) 845-5315 - FAX: (256) 845-5383 - ladd@laddenv.com - www.laddenv.com



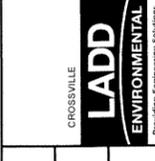
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TRAFFIC CONTROL PLAN

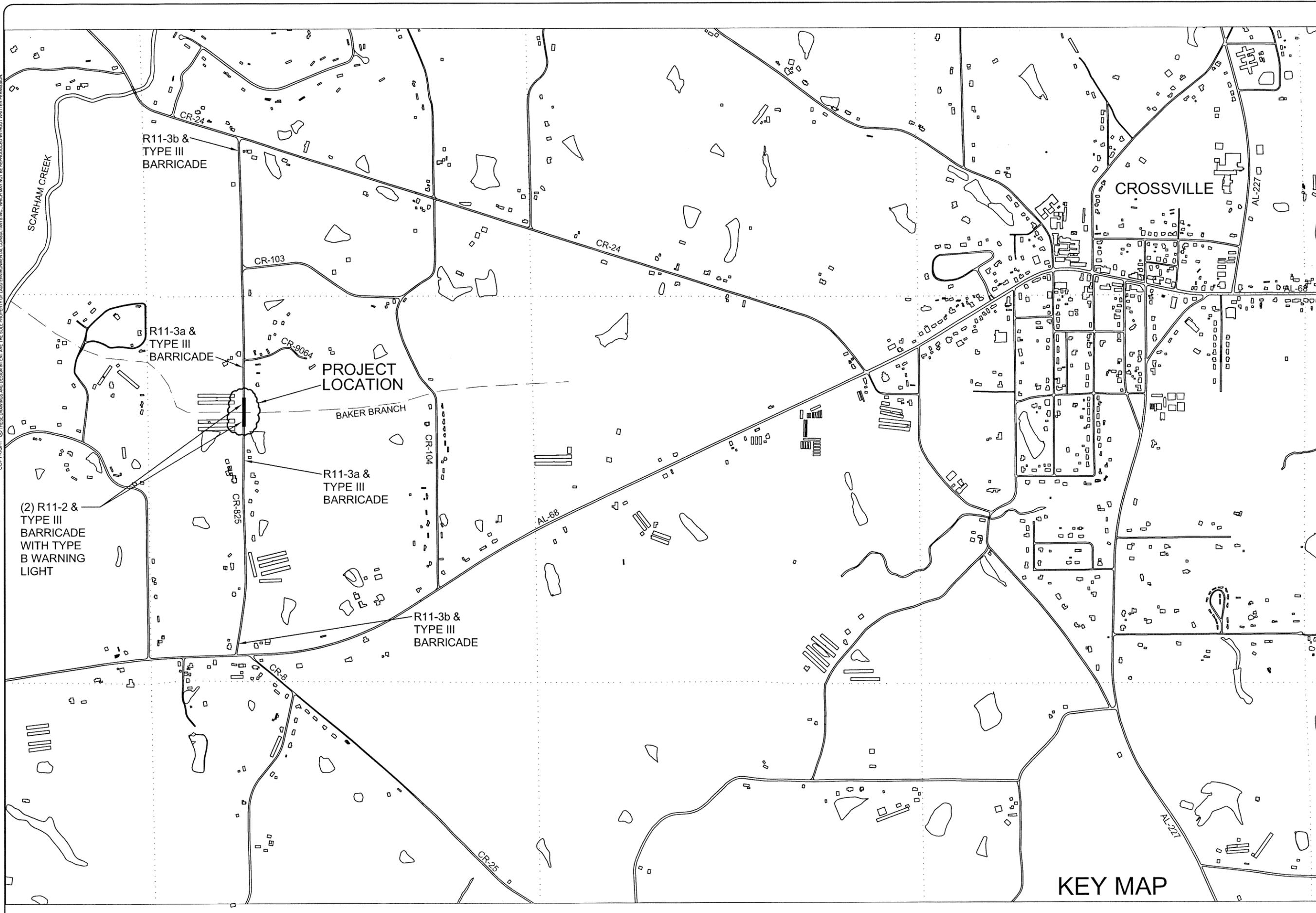
1. INSTALL R11-3b SIGN (BRIDGE OUT 0.6 MILES AHEAD LOCAL TRAFFIC ONLY) AND TYPE III BARRICADE AT EACH END OF CR-825, VISIBLE TO TRAFFIC HEADED TOWARD BRIDGE.
2. INSTALL R11-3a SIGN (ROAD CLOSED 0.1 MILES AHEAD, LOCAL TRAFFIC ONLY) AND TYPE III BARRICADE AT EACH BRIDGE APPROACH 0.1 MILES FROM ROAD CLOSURE.
3. INSTALL R11-2 SIGN (ROAD CLOSED) AND TYPE III BARRICADE AT THE LOCATIONS SHOWN ON THE PLAN (SHEET 3). SIGN SHALL INCLUDE A TYPE B WARNING LIGHT. BARRICADE SHALL BE PLACED SO AS TO BLOCK APPROACHING TRAFFIC. COORDINATE WITH ENGINEER AND ADJACENT PROPERTY OWNERS.
4. DURING PERIODS WHERE A DANGEROUS DROP-OFF OCCURS AT THE BRIDGE, CONTRACTOR SHALL PARK EQUIPMENT ACROSS THE ROAD AND/OR INSTALL A CONSTRUCTION SAFETY FENCE ACROSS ROADWAY WHEN NOT ACTIVELY PERFORMING CONSTRUCTION ON THE SITE.

GENERAL NOTES:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. CONTRACTORS ARE HEREBY MADE AWARE THAT THE EXISTING UTILITIES IN THE CONSTRUCTION AREA ARE NOT NECESSARILY SHOWN ON THE PLANS. DATA CONCERNING UTILITIES SHOWN SHALL BE CONSIDERED AS APPROXIMATE ONLY. CONTRACTOR SHALL COORDINATE WITH EACH UTILITY OWNER PRIOR TO COMMENCING WORK TO ESTABLISH EXACT LOCATION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGES TO THESE UTILITIES RESULTING FROM HIS CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. 2. IN NO CASE WILL THE OWNER OR ENGINEER BE HELD RESPONSIBLE FOR LOCATING, OR CAUSING TO BE LOCATED, EXISTING UTILITIES AS THIS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SEE CONTRACT DOCUMENTS AND SPECIFICATIONS. 3. CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY CONFLICTS WHICH PREVENT THE INSTALLATION OF THE PROPOSED FACILITIES AS DESIGNED. CONFLICTS SHALL BE ADDRESSED PRIOR TO THE INSTALLATION OF ANY FACILITIES AFFECTED BY THE CONFLICT. 4. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING OR REPAIRING ANY DAMAGED PUBLIC OR PRIVATE PROPERTY OR FACILITIES TO THE SAME OR BETTER CONDITION AS IT EXISTED PRIOR TO THE INSTALLATION OF THE PROJECT. THE CONTRACTOR WILL COORDINATE THE REPLACEMENT/REPAIRING OF ALL SUCH ITEMS WITH THE ENGINEER AND THE FINAL INSTALLATION SHALL MEET THE APPROVAL OF THE ENGINEER. 5. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE WORKING IN THE VICINITY OF EXISTING HIGH VOLTAGE ELECTRICAL LINES. 6. EXISTING BURIED ELECTRICAL UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING ELECTRICAL UTILITIES WHILE WORKING IN THE VICINITY. 7. THESE PLANS DO NOT SHOW THE ELEMENTS NECESSARY FOR JOB SITE SAFETY. THE PROVISIONS OF WHATEVER MAY BE DESIRABLE FOR JOB SITE SAFETY IS THE RESPONSIBILITY SOLELY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER ARE RESPONSIBLE FOR PROJECT SAFETY. | <ol style="list-style-type: none"> 8. REFER TO THE SPECIAL CONDITIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL SPOILS, EXCESS EXCAVATION AND RUBBLE. 10. INSTALL FILTER CLOTH UNDER ALL RIP-RAP. 11. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY PROPERTY CORNERS, IRON PINS, CONCRETE MARKERS, ETC. WHICH ARE DESTROYED OR MOVED DURING CONSTRUCTION. 12. THE CONTRACTOR IS RESPONSIBLE FOR CLEARING ALL TREES, UNDERGROWTH, ROCKS, AND ANY OTHER OBSTRUCTION THAT HE MAY ENCOUNTER IN ORDER TO PERFORM HIS WORK. 13. THE TOWN OF CROSSVILLE HAS JURISDICTION OVER ALL ROADS ON THIS PROJECT. THE CONTRACTOR'S INSTALLATION SHALL ADHERE TO THE REQUIREMENTS OF THE TOWN. 14. NPDES STORM WATER PERMIT IS NOT REQUIRED SINCE THE PROJECT IS LESS THAN 1 ACRE OF DISTURBANCE. 15. INSTALL CONSTRUCTION SAFETY FENCE AS REQUIRED TO SECURE EXCAVATED AREAS. 16. CORRUGATED METAL PIPE SHALL BE 108" DIAMETER ALUMINIZED TYPE 2 CMP, 5 X 1, 10 GAGE (20' LENGTHS) . CONTACT BART HARTSFIELD, SENIOR SALES ENGINEER, CONTECH ENGINEERED SOLUTIONS, LLC, 205-515-5982, bart.hartsfield@conteches.com 17. PASTURE ADJACENT TO PROPOSED CULVERT IS NOT IN CURRENT USE WITH LIVESTOCK. PROJECT MAY NOT REQUIRE TEMPORARY FENCING. COORDINATE WITH ENGINEER AND PROPERTY OWNER. 18. COORDINATE TEMPORARY STREAM CROSSING LOCATION WITH ENGINEER AND PROPERTY OWNER. |
|---|--|

JOB NO	5193	DRAWN BY	T S / JB	SCALE	NO SCALE
FILE	S1	CHECKED BY	DATE	DEC 2022	
INDEX	/5193/INDEX				
SHEET 1					
BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS					
THE TOWN OF CROSSVILLE					
LADD ENVIRONMENTAL CONSULTANTS, INC.					
P. O. BOX 660869 · FORT PAYNE, ALABAMA 35968					
PHONE · (256) 845-5315 · FAX · (256) 845-5363					
www.laddenv.com					
					
					
					
					

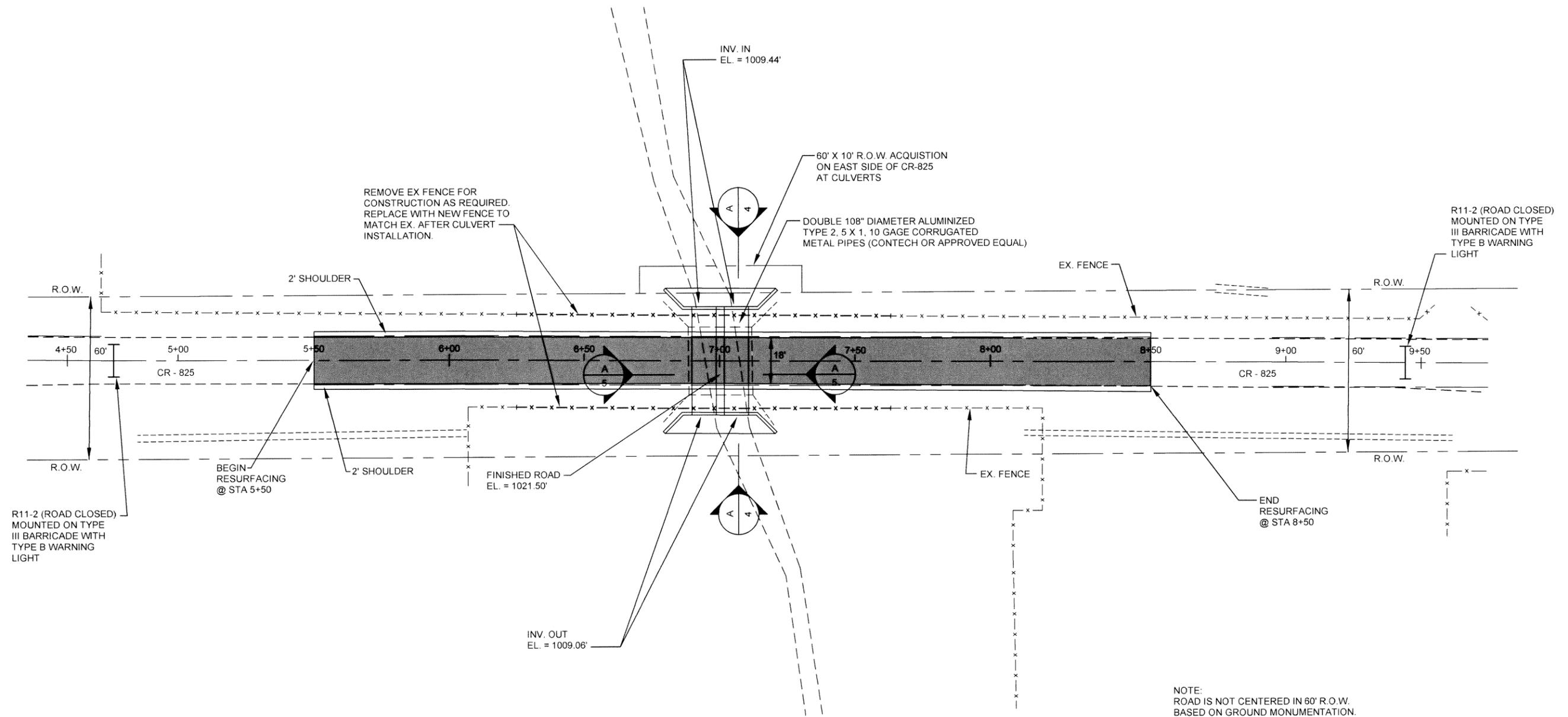
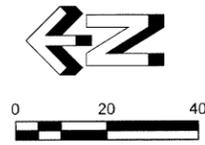
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KEY MAP

FILE: SI /5193KEYMAP	CHECKED BY: SB	DATE: DEC. 2022
JOB NO: 5193	DRAWN BY: SB	SCALE: 1" = 200'
SHEET 2		
CROSSVILLE		
BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR THE TOWN OF CROSSVILLE		
LADD ENVIRONMENTAL CONSULTANTS, INC. P.O. BOX 880669 FORT PAYNE ALABAMA 35969 PHONE - (256) 845-5315 - FAX - (256) 845-5383 www.laddenv.com		
LADD ENVIRONMENTAL Professional Engineering Solutions		

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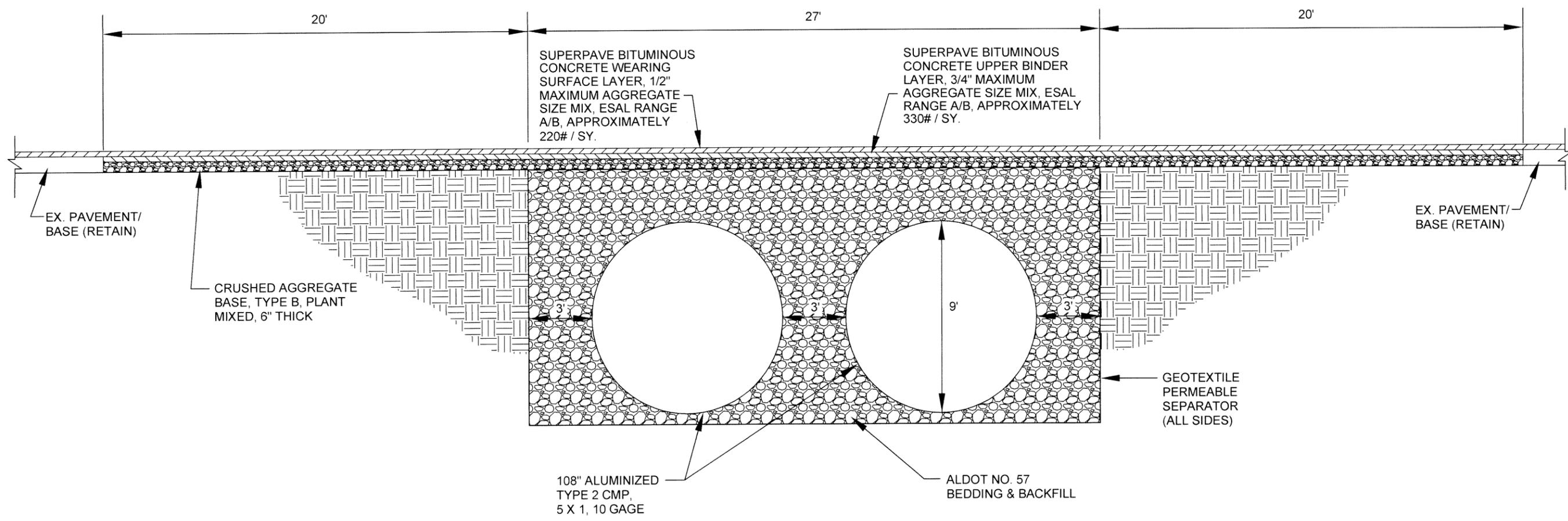


NOTE:
ROAD IS NOT CENTERED IN 60' R.O.W.
BASED ON GROUND MONUMENTATION.

PLAN SHEET

JOB NO:	5193	DRAWN BY:	CB/TS	SCALE:	AS NOTED												
	5193/PLANSHT		CHECKED BY:		DATE:	DEC. 2022											
FILE:	5193/PLANSHT	SHEET 3															
<p style="text-align: center;">CROSSVILLE THE TOWN OF CROSSVILLE</p> <p style="text-align: center;">BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS</p>																	
<p>LADD ENVIRONMENTAL CONSULTANTS, INC.</p> <p>P.O. BOX 860869 - FORT PAYNE, ALABAMA 35968 PHONE - (256) 845-5315 - FAX - (256) 845-5383 www.laddenv.com</p>																	
<p>LADD ENVIRONMENTAL CONSULTANTS, INC.</p> <p>PROFESSIONAL ENGINEERING SOLUTIONS</p>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>REVISIONS</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						DATE	REVISIONS	BY									
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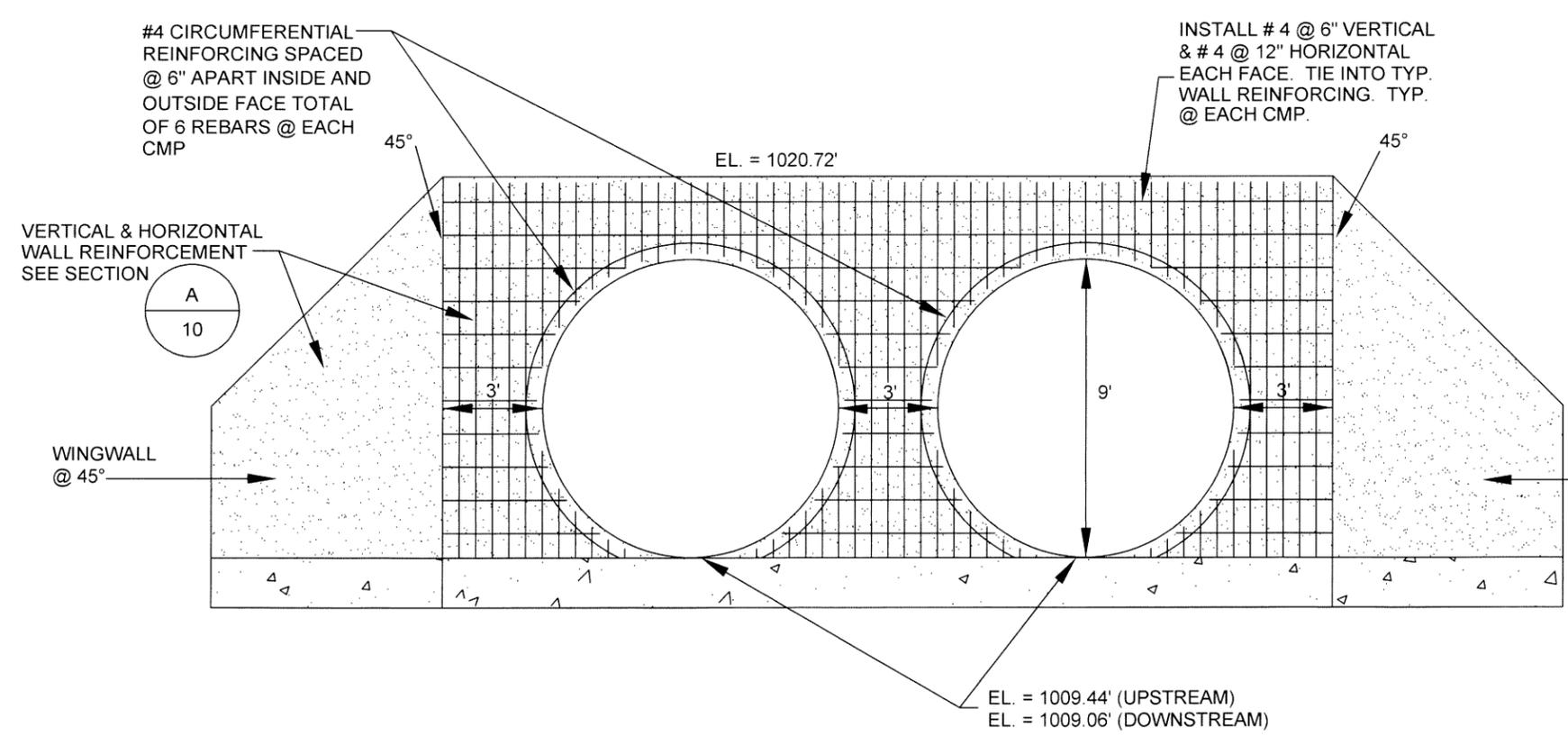
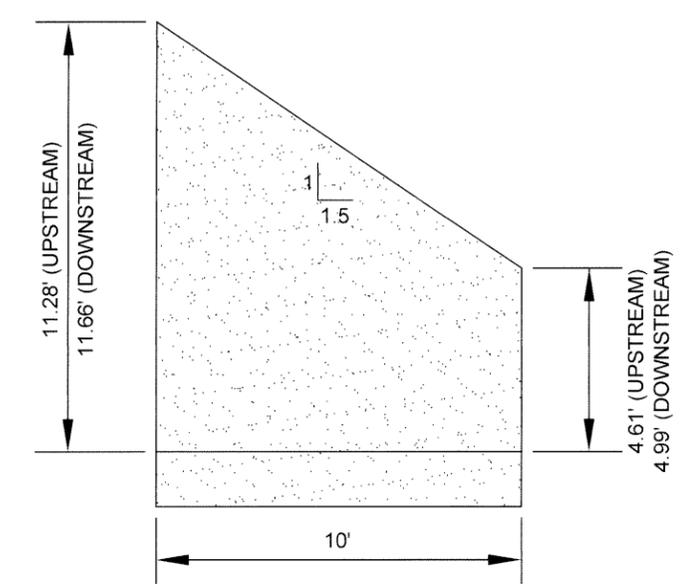
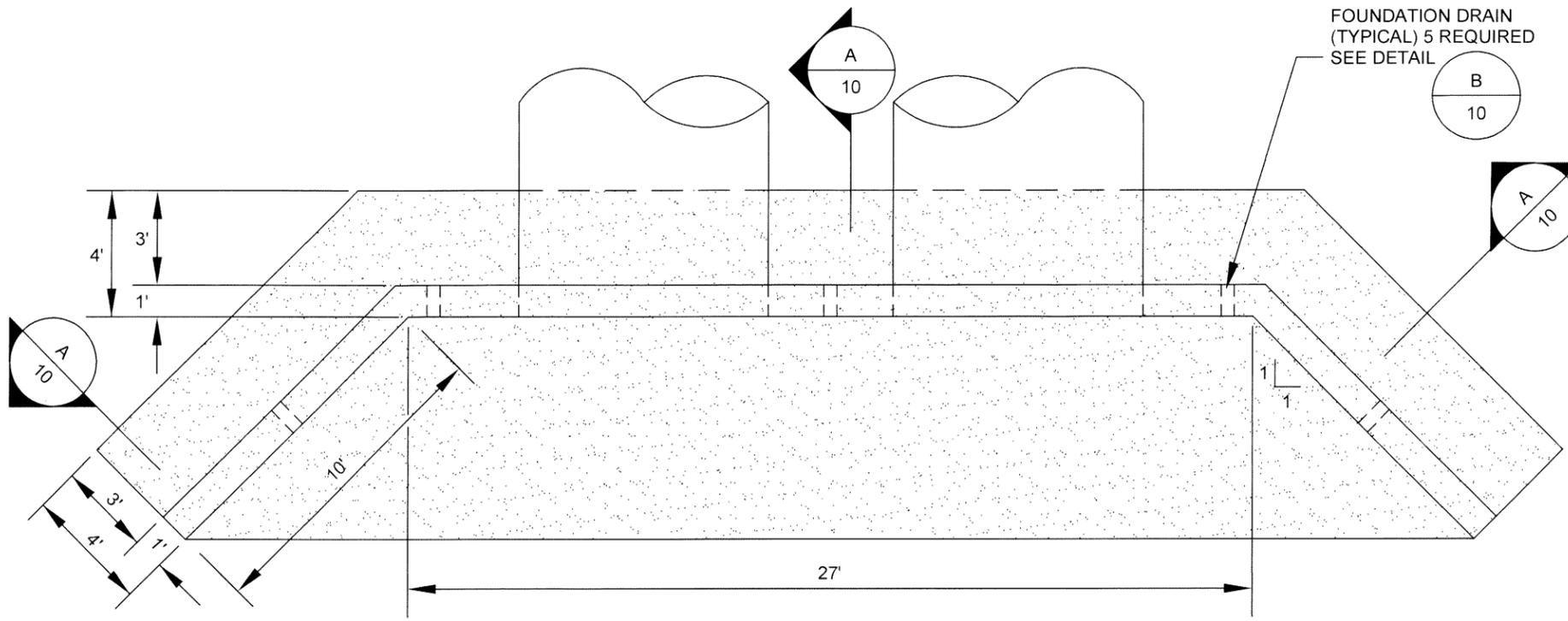
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SECTION

JOB NO: 5193	FILE: S1 9193SECTION	CHECKED BY: TS	DATE: DEC, 2022
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SHEET 5			
BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR THE TOWN OF CROSSVILLE			
LADD ENVIRONMENTAL CONSULTANTS, INC. P.O. BOX 686869 - FORT PAYNE, ALABAMA 35968 PHONE - (256) 845-5315 - FAX - (256) 845-5383 www.laddenv.com		LADD ENVIRONMENTAL ENVIRONMENTAL Providing Engineering Solutions	
ALABAMA PROFESSIONAL ENGINEERING SEAL ADAM JAREK 2022			
REVISIONS	DATE	BY	

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HEADWALL DETAIL

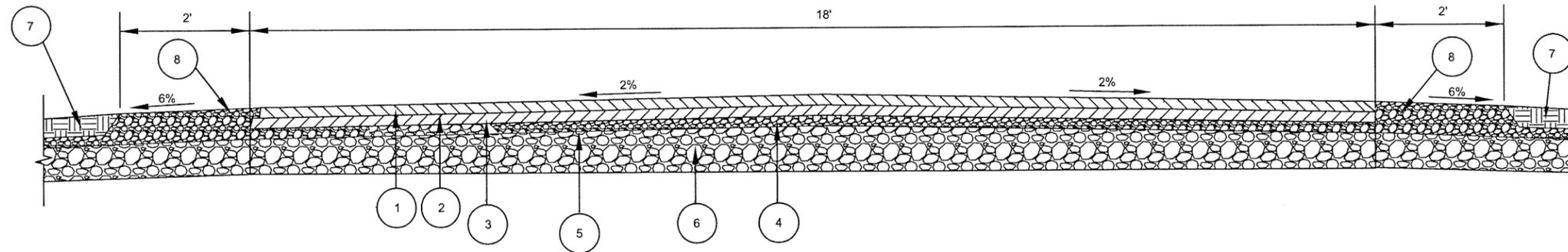
0 2.5' 5'

SECTION MARKER: A/6

SECTION

JOB NO.	5193	FILE	5193SECTION
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SCALE:	AS NOTED	DATE:	DEC. 2022
SHEET		B	
BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR THE TOWN OF CROSSVILLE LADD ENVIRONMENTAL CONSULTANTS, INC. P.O. BOX 800699 - FORT PAYNE, ALABAMA 35988 PHONE - (256) 845-5315 - FAX - (256) 845-5383 www.laddenv.com			
ALABAMA PROFESSIONAL ENGINEERING ADAM JARED LICENSE NO. 30417			
REVISIONS	BY	DATE	

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TYPICAL ROADWAY SECTION

NO SCALE



NOTE:

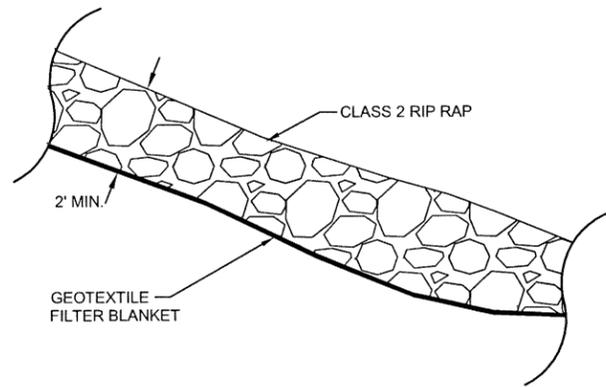
1. DEPTH OF PAVING LAYERS ARE NOT TO SCALE.
2. EXCESS MATERIAL FROM PAVING PROCESS AND SHOULDER GRADING SHALL BE HAULED FROM SITE AND PROPERLY DISPOSED OF.
3. PROVIDE POSITIVE DRAINAGE ON ALL PAVED AREAS.
4. MATCH EXISTING PAVING CROSECTION WITH NEW ASPHALT UNLESS VARIATION IS REQUIRED TO PROVIDE POSITIVE DRAINAGE.
5. ROAD SHALL BE THOROUGHLY SWEEPED OF ALL DIRT AND DEBRIS PRIOR TO APPLYING TACK COAT.
6. CLIP ALL SHOULDERS PRIOR TO PAVING OPERATIONS.
7. EXCAVATION AND COMPACTION ARE SUBSIDIARY OBLIGATIONS OF ALL RELATED BID ITEMS.

LEGEND	DESCRIPTION
①	SUPERPAVE BITUMINOUS CONCRETE, WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B, 220#/ SQ. YD.
②	TACK COAT FOR WEARING SURFACE
③	SUPERPAVE BITUMINOUS CONCRETE, UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B, 330 #/ SQ YD
④	CRUSHED AGGREGATE BASE COARSE, TYPE B, PLANT MIXED, 6" THICK
⑤	GEOTEXTILE PERMEABLE SEPARATOR
⑥	COARSE AGGREGATE BACKFILL, ALDOT NO. 57
⑦	TOPSOIL
⑧	AGGREGATE SURFACING (1" DOWN, CRUSHER RUN)

MISCELLANEOUS DETAILS

JOB NO: 5193	FILE: S.I. 15193/SEC1	CHECKED BY: T.S.	DATE: DEC. 2022	NOTED	SHEET 7
BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR TOWN OF CROSSVILLE					
LADD ENVIRONMENTAL CONSULTANTS, INC. P.O. BOX 680889 • FORT PAYNE, ALABAMA 35968 PHONE • (256) 845-5315 • FAX • (256) 845-5383 www.laddenv.com					
ALABAMA PROFESSIONAL ENGINEERING ADAM JARED LICENSE NO. 39614					
REVISIONS DATE					

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RIP-RAP DETAIL

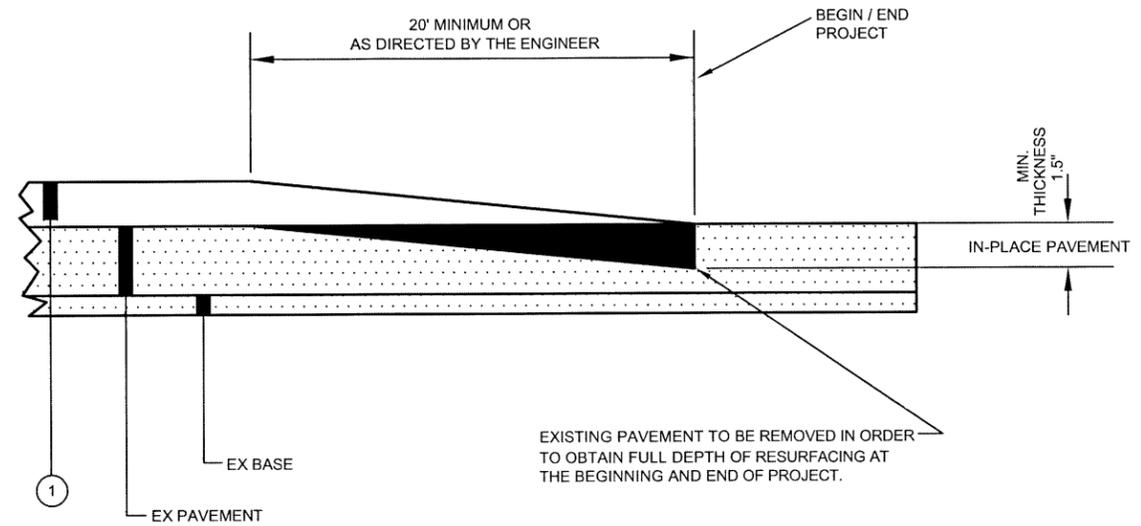
NO SCALE



- NOTES: 1. THE COST OF REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT SHALL BE SUBSIDIARY OBLIGATION OF BITUMINOUS CONCRETE.
 2. DETAIL APPLIES TO ALL TRANSITIONS TO EX. PAVEMENT TO REMAIN.

**METHOD OF TAPERING PAVEMENTS
 AT BEGINNING AND END OF PROJECT**

NO SCALE



REVISIONS	DATE	BY



BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS
 FOR TOWN OF CROSSVILLE
LADD ENVIRONMENTAL CONSULTANTS, INC.
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 PHONE • (256) 845-5315 • FAX • (256) 845-5383
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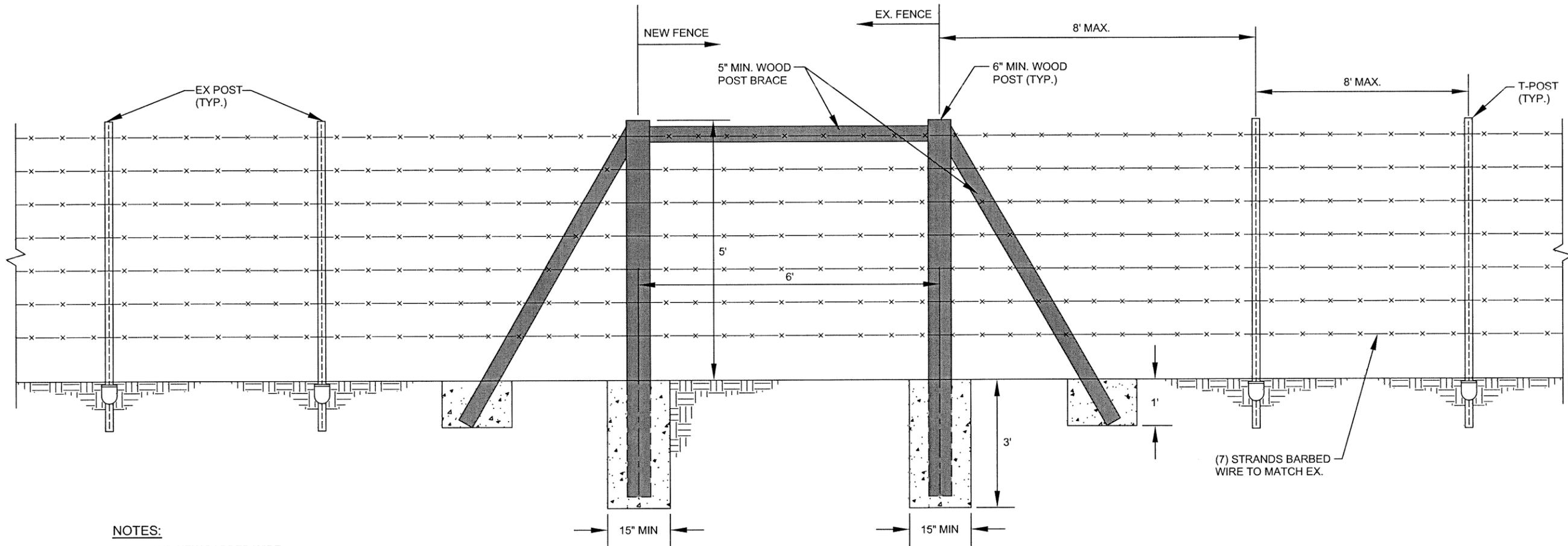
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FILE: S.I. 1/15/2022
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 DATE: DEC. 2022

JOB NO: 5193
 DRAWN BY: T.S.
 SCALE: NOTED
 SHEET 8

MISCELLANEOUS DETAILS

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NOTES:

1. EX. AND NEW BARBED WIRE SHALL BE ATTACHED TO BOTH WOODEN POSTS.
2. EVERY 6 POSTS (48' MAX.) SHALL BE A SINGLE 6" WOOD POST, BURIED 3' WITH CONCRETE.

CATTLE FENCE DETAIL

NO SCALE



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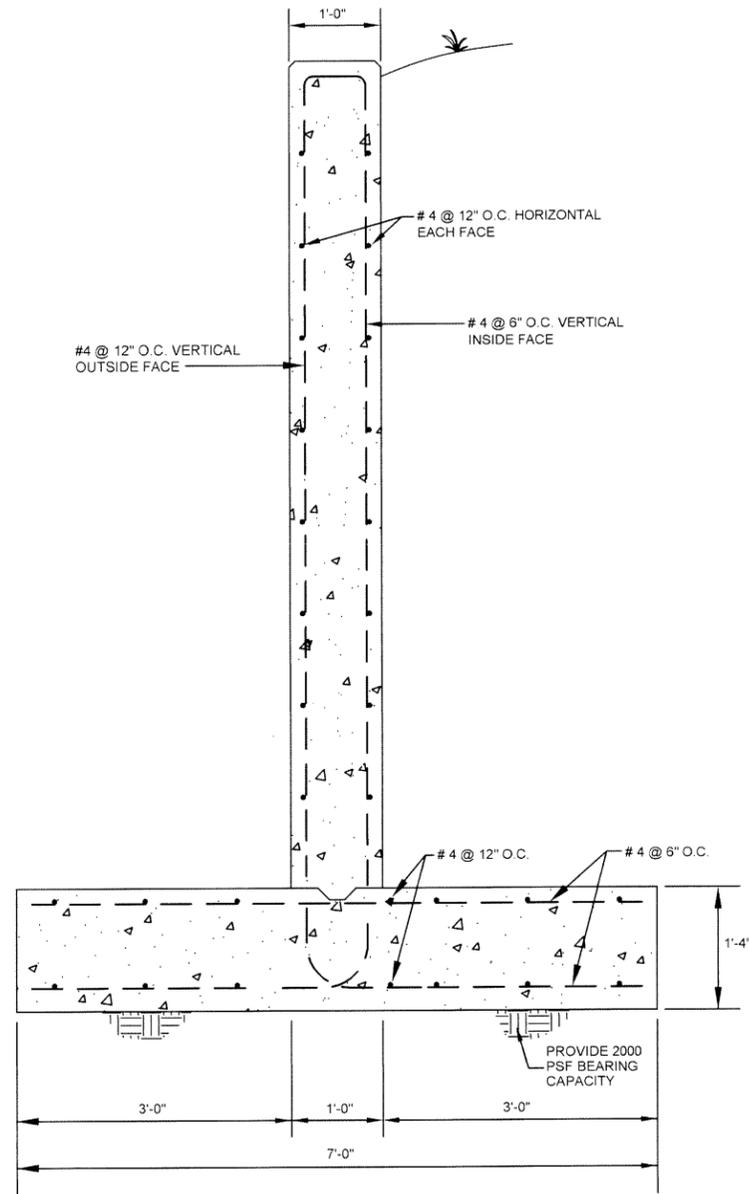


ALABAMA
LADD ENVIRONMENTAL CONSULTANTS, INC.
P.O. BOX 680889 - FORT PAYNE, ALABAMA 35968
PHONE - (256) 845-5315 - FAX - (256) 845-5343
www.laddenv.com

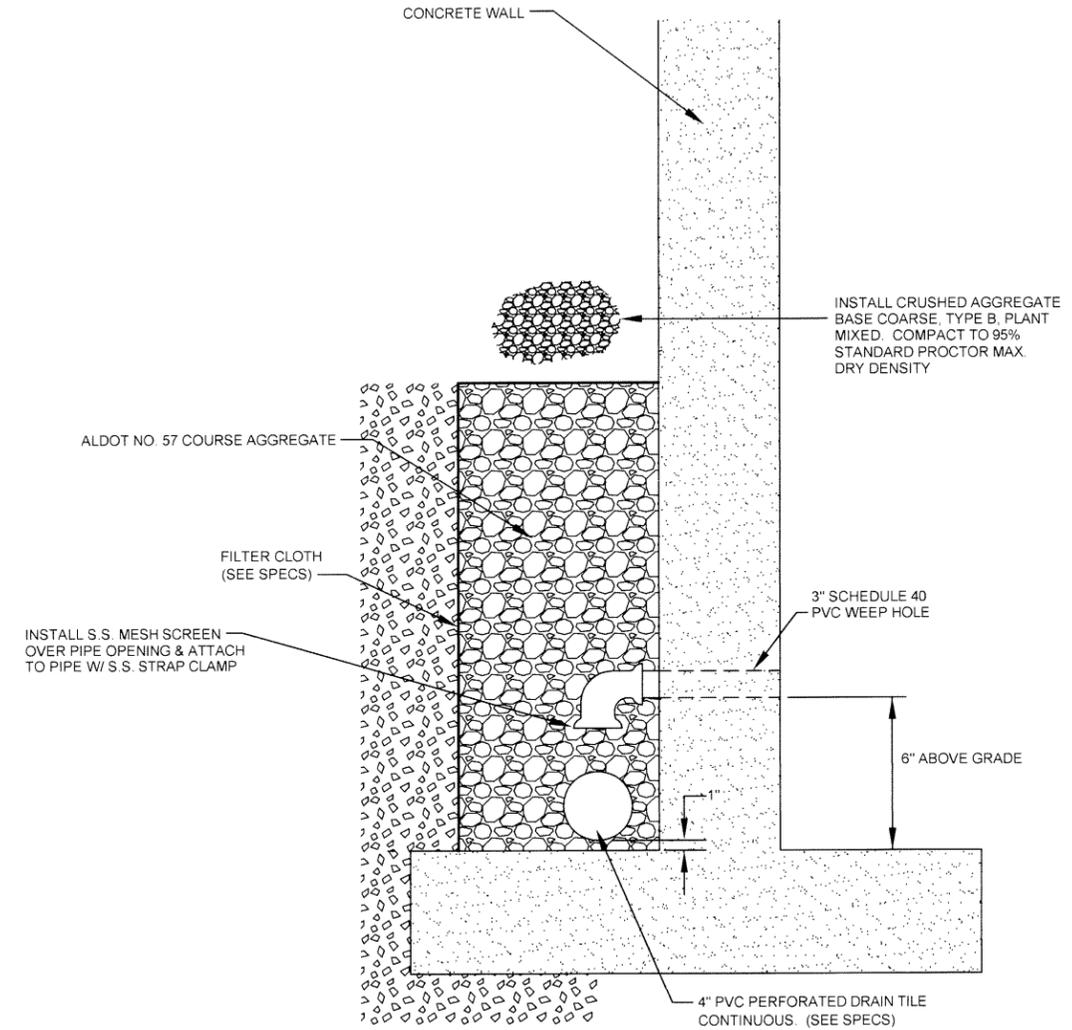
CROSSVILLE
LADD ENVIRONMENTAL CONSULTANTS, INC.
Providing Engineering Solutions

FILE NO:	SI 151900E1
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DATE:	DEC. 2022
JOB NO:	5153
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SCALE:	NO SCALE
SHEET:	9

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SECTION A
SCALE: 1" = 1'-0"



TYPICAL FOUNDATION DRAIN DETAIL

SCALE: 1" = 1'-0"

B
10

JOB NO. 5183	FILE: S1 9183STRUDET	DRAWN BY: T.S.	CHECKED BY:	DATE: DEC. 2022	NOTED	REVISIONS	DATE	BY
	SHEET 10							
<p>BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR THE TOWN OF CROSSVILLE</p>								
<p>LADD ENVIRONMENTAL CONSULTANTS, INC. P.O. BOX 980888 FORT PAYNE, ALABAMA 35988 TOWN OF CROSSVILLE, ALA. S.E. PHONE: (256) 645-5315 FAX: (256) 645-5383 www.laddenv.com</p>						<p>LADD ENVIRONMENTAL ALABAMA ENVIRONMENTAL Providing Engineering Solutions</p>		

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GENERAL NOTES:

- CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION, NEW AND EXISTING, AT ALL STAGES.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO ANY PERTINENT WORK. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE SHOP DRAWINGS.
- COORDINATE WITH THE CIVIL, DRAWINGS, AND VERIFY THE LOCATIONS AND SIZES OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS.
- USE MANUFACTURER'S CERTIFIED DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT ANCHORAGE AND DETAILS.
- ALL CONSTRUCTION JOINTS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE. ADDITIONAL CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON THE SHOP DRAWINGS FOR REVIEW. ALL CONSTRUCTION JOINTS TO BE KEVED. HORIZONTAL CONSTRUCTION JOINTS. SHALL NOT BE PERMITTED IN WALLS AND BEAMS, UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED, SEE DETAIL A
11
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CIVIL DRAWINGS TO DETERMINE WHERE OPENINGS ARE REQUIRED IN WALLS AND SLABS.
- ALL STRUCTURES, AS SHOWN, HAVE BEEN DESIGNED TO CARRY IN PLACE DESIGN LOADS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ANY ADDITIONAL LOADS AND FORCES IMPOSED DURING CONSTRUCTION, TRUCKING, ERECTING AND HANDLING.
- ALL SLABS AND FOOTINGS ON GRADE TO BE PLACED ON 6" MINIMUM THICKNESS OF COMPACTED CRUSHED STONE, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND EXISTING STRUCTURES IN ORDER TO INSTALL NEW RETAINING WALLS. FOUNDATION WALL STEP FOOTING MAYBE REQUIRED @ INTERFACE WITH EXISTING STRUCTURES. COORDINATE WITH ENGINEER IN THE FIELD.

SITE & FOUNDATION NOTES:

- STRIP ALL STRUCTURE SITES OF ALL TOPSOIL, ORGANIC MATERIAL, EXISTING PAVEMENT, STRUCTURES, OR ANY OTHER DELETERIOUS MATERIALS.
- EXCAVATE, WHERE REQUIRED, TO STRUCTURE SUBGRADE.
- COMPACT THE AREA UNDER EACH STRUCTURE IN ORDER TO LOCATE ANY SOFT AREAS. THE OWNER'S GEOTECHNICAL ENGINEER IS TO BE PRESENT DURING THIS OPERATION. ANY SOFT AREAS DETECTED ARE TO BE UNDERCUT AND REPLACED WITH ENGINEERED FILL.
- FILL, WHERE REQUIRED, IS TO BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR (ASTM D-698), WITHIN ±2% OF OF OPTIMUM MOISTURE CONTENT.
- ALL FOUNDATIONS SHALL BEAR ON MATERIAL CAPABLE OF SUPPORTING 4000 PSF.

CONCRETE:

A. CONCRETE SCHEDULES	
<u>ITEM</u>	<u>28 DAY COMPRESSIVE STRENGTH</u>
1. CLASS "A" CONCRETE	4000 PSI NORMAL WEIGHT
B. CONCRETE COVER OVER REINFORCING (U.N.O.)	
1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"
2. CONCRETE EXPOSED TO EARTH OR WEATHER, OR IN VESSELS CONTAINING WATER:	2"

REINFORCING:

- ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF A.S.T.M. SPECIFICATION A615, GRADE 60.
- ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH A.C.I. STANDARD 315, OF LATEST REVISION.
- SPLICES FOR REINFORCING ARE SHOWN SPECIFICALLY ON STRUCTURAL DRAWINGS. WHERE SPLICES ARE NECESSARY OTHER THAN SPECIFICALLY SHOWN, PROVIDE CLASS "B" TENSION LAP SPLICES. REVIEW WITH STRUCTURAL ENGINEER AS NECESSARY.
- NO REINFORCING BAR SHALL BE WELDED OR HEATED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
- PROVIDE FULL EMBEDMENT FOR ALL DOWELS. IF NOT OTHERWISE SPECIFIED, DOWEL SIZE AND SPACING SHALL BE THE SAME AS MAIN REINFORCING.

DESIGN CRITERIA

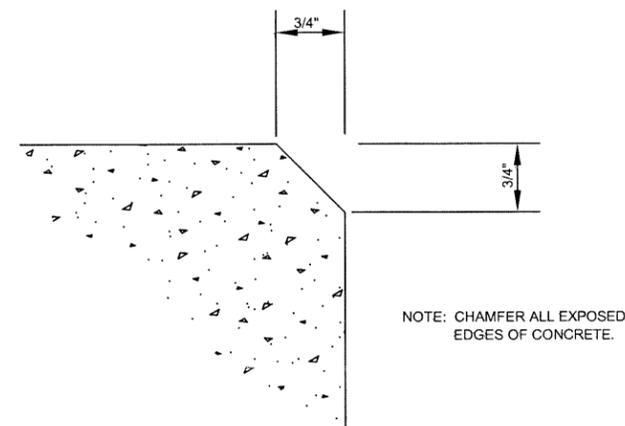
- A. BUILDING CODES AND STANDARDS:
- AMERICAN CONCRETE INSTITUTE, A.C.I. 318
 - AMERICAN CONCRETE INSTITUTE, A.C.I. 530
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION, A.I.S.C.
 - STANDARD BUILDING CODE, S.B.C.
 - AMERICAN WELDING SOCIETY, A.W.S.

INTERFACE WITH EXISTING STRUCTURE

- BEFORE FABRICATION THE CONTRACTOR WILL FIELD-VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS. THE ENGINEER WILL BE NOTIFIED AND ALLOWED TO EXAMINE THE AS-BUILT STRUCTURE TO MODIFY DESIGN AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND MAINTAINING THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE AT THE INTERFACE CONNECTIONS.

SHOP DRAWINGS

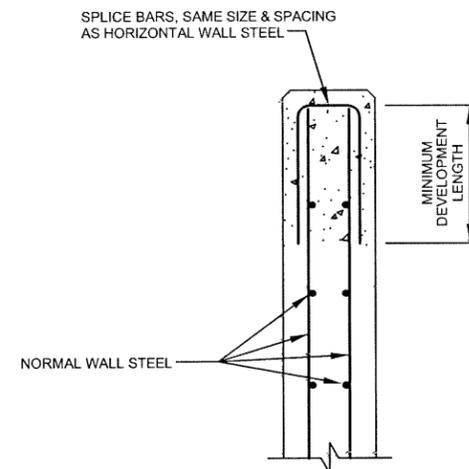
- ALL SHOP DRAWINGS ARE TO BE NEWLY PREPARED. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS FOR USE AS ERECTION DRAWINGS WILL NOT BE PERMITTED. SHOULD SHOP DRAWING SUBMITTALS CONTAIN ANY REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS, THEY WILL BE REJECTED AND RETURNED WITHOUT ENGINEER REVIEW.
- CONTRACTOR TO REVIEW ALL SHOP DRAWING SUBMITTALS AND STAMP WITH APPROVAL PRIOR TO SUBMISSION TO ENGINEER. SHOP DRAWINGS RECEIVED BY ENGINEER THAT HAVE NOT BEEN CHECKED AND COORDINATED BY THE CONTRACTOR WILL BE RETURNED WITHOUT ARCHITECT/ ENGINEER'S REVIEW.



STANDARD CONCRETE CHAMFER DETAIL
(TYPICAL FOR ALL EXPOSED CORNERS)

NO SCALE

A
11



REINFORCING STEEL IN BOTH FACES

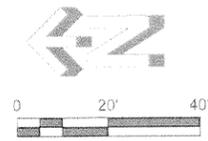
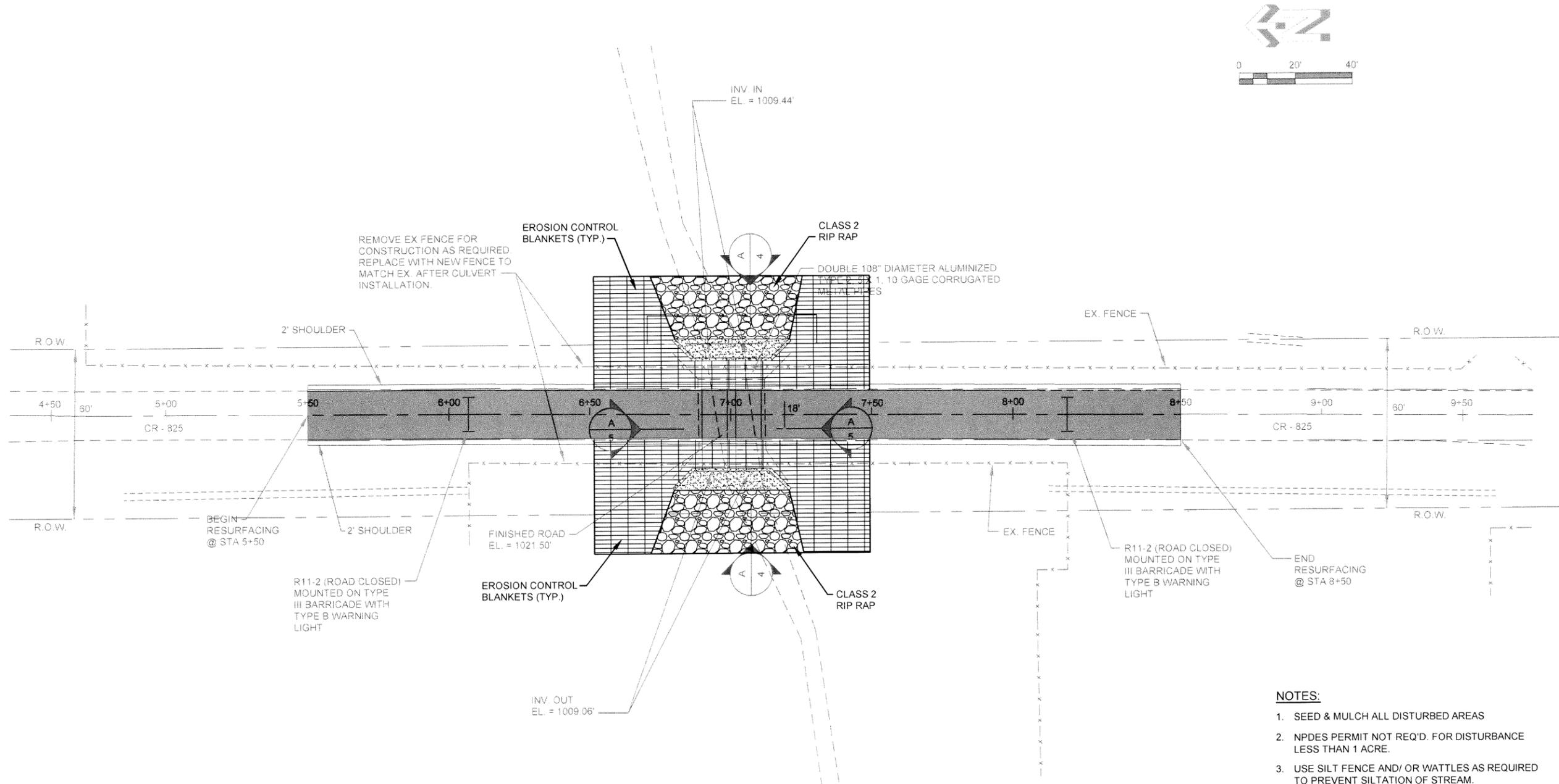
STEEL ARRANGEMENT AT WALL CORNERS, INTERSECTIONS, AND ENDS

SCALE: 1" = 1'-0"

B
11

JOB NO: 5193	DRAWN BY: I.S.	CHECKED BY: I.S.	DATE: DEC., 2022	FILE: S1 191931STLDET	NOTED DEC., 2022
SHEET 11					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR THE TOWN OF CROSSVILLE</p> <p>LADD ENVIRONMENTAL CONSULTANTS, INC.</p> <p>P.O. BOX 680869 - FORT PAYNE, ALABAMA 35968 1207 CHITWOOD AVENUE S.E. - FORT PAYNE, AL 35967 PHONE - (205) 945-6515 - FAX - (205) 946-5533 ladd@laddenv.com www.laddenv.com</p> </div> <div style="text-align: center;"> <p>ALABAMA LADD ENVIRONMENTAL ENVIRONMENTAL Providing Engineering Solutions</p> </div> </div>					

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- NOTES:**
1. SEED & MULCH ALL DISTURBED AREAS
 2. NPDES PERMIT NOT REQ'D. FOR DISTURBANCE LESS THAN 1 ACRE.
 3. USE SILT FENCE AND/ OR WATTLES AS REQUIRED TO PREVENT SILTATION OF STREAM.

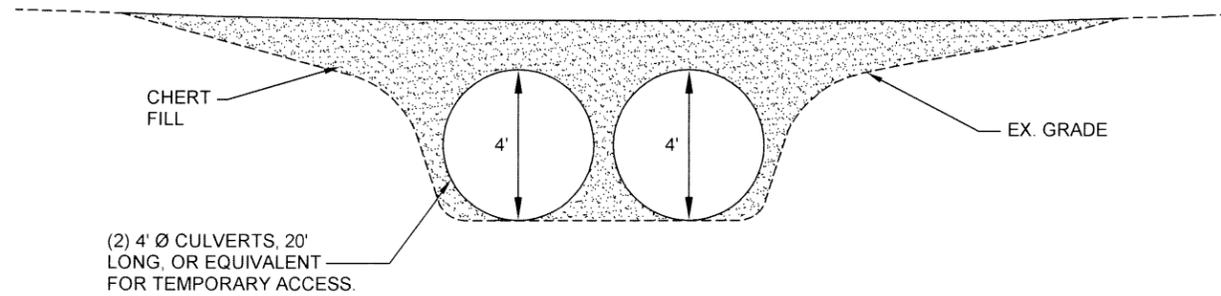
JOB NO:	5193	DRAWN BY:	CBTS	SCALE:	NOTED
	FILE:		SI 5193/EROS/COMPLN		CHECKED BY:
SHEET 12					
<p>BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR THE TOWN OF CROSSVILLE</p> <p>LADD ENVIRONMENTAL CONSULTANTS, INC. P.O. BOX 88989 - FORT PAYNE, ALABAMA 35988 PHONE - (256) 846-5315 - FAX - (256) 846-5363 www.laddem.com</p>					
<p>LADD ENVIRONMENTAL Providing Engineering Solutions</p>					
<p>ALABAMA PROFESSIONAL ENGINEERING EXAMINING BOARD LICENSE NO. 3906 EXPIRES 12/31/2024</p>					
DATE		REVISIONS			

EROSION CONTROL PLAN

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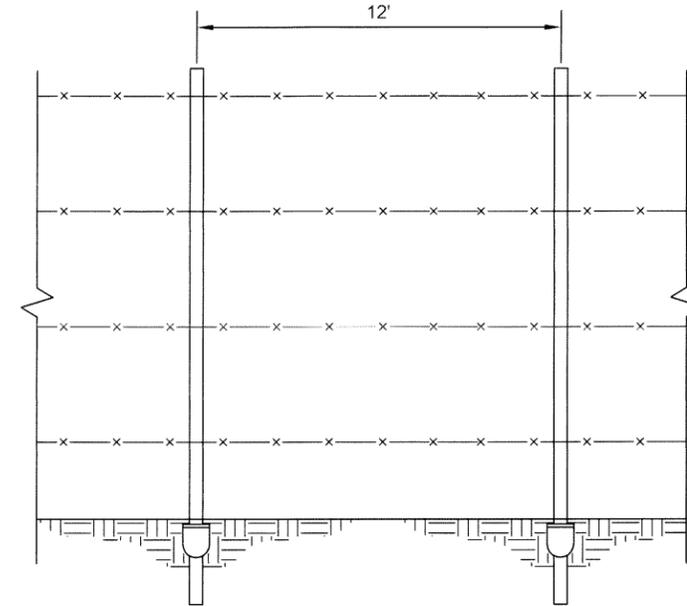
NOTES:

1. CONTRACTOR MAY USE ANY SUITABLE MEANS AND DRAINAGE STRUCTURE TO PROVIDE TEMPORARY ACCESS WHILE ROAD IS IMPASSABLE FOR PROPERTY OWNER ACCESS WITH PICKUP TRUCK AND TRACTOR. PREVIOUSLY USED PIPES AND/ OR OTHER OPTIONS ARE ACCEPTABLE.
2. IF RIP RAP IS REQUIRED TO STABILIZE UPSTREAM SIDE OF TEMPORARY CROSSING, IT WILL BE PAID AS A SEPARATE ITEM PER TON.
3. MINIMUM TOP WIDTH OF 10' REQ'D.
4. REMOVE AFTER RESTORING ACCESS ON CR-825.



TEMPORARY CREEK CROSSING

NO SCALE



TEMPORARY FENCE

NO SCALE



NOTES:

1. TEMPORARY FENCE TO BE USED WHEN DIRECTED BY ENGINEER TO CONTAIN LIVESTOCK IN ADJACENT PASTURE TO PROJECT.
2. COORDINATE WITH ENGINEER AND PROPERTY OWNER.
3. CONNECT TEMPORARY FENCE TO EXISTING FENCE FOR CORNER BRACING.
4. TEMPORARY FENCE SHALL BE SUFFICIENT TO CONTAIN LIVESTOCK DURING CONSTRUCTION.
5. REMOVE AFTER COMPLETION OF REPLACEMENT FENCE ALONG CR-825.

JOB NO: 5193	FILE: SI 5193/02T1	DRAWN BY: TS	CHECKED BY:	DATE: DEC. 2022	REVISIONS	BY
BRIDGE REPLACEMENT ON CR-825 OVER BAKER BRANCH WITH CMP CULVERTS FOR TOWN OF CROSSVILLE						
P.O. BOX 680889 • FORT PAYNE, ALABAMA 35998 PHONE • (256) 845-5315 • FAX • (256) 845-5383 www.laddenv.com						
CROSSVILLE ALABAMA						
SHEET 13						