

GENERAL NOTES, ABBREVIATIONS, SYMBOLS & LEGEND:

SITE DATA:

1. SITE LOCATION:	TWO CHOP ROAD FROM ROCKY FORD ROAD TO U.S. HIGHWAY 25 BULLOCH COUNTY, GA
2. PROPERTY IDENTIFICATION NUMBER(S):	N/A
3. PROPERTY OWNER ADDRESS:	115 N. MAIN ST. STATESBORO, BULLOCH COUNTY, GA #29.97 AC, 3.05 MILES
4. SITE SIZE:	HUSSEY, GAY, AND BELL 329 COMMERCIAL DRIVE SAVANNAH, GEORGIA 912-354-4626
5. SURVEY INFORMATION:	SLIGH ENVIRONMENTAL 31 PARK OF COMMERCE WAY, SUITE 200B SAVANNAH, GEORGIA 31405 ACCE JURISDICTION DETERMINATION NUMBER: SAS-2023-00304 ACCE PERMIT NUMBER: SAS-2023-00304
6. WETLANDS ASSESSMENT:	BULLOCH COUNTY
7. LOCAL ISSUING AUTHORITY:	BULLOCH COUNTY
8. ROAD AND DRAINAGE OPERATOR:	BULLOCH COUNTY

- GENERAL NOTES:**
- THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL THE PROPER PERMITS HAVE BEEN ISSUED.
 - WORK IS NOT PERMITTED UNTIL THE PRE-CONSTRUCTION MEETING IS HELD AS REQUIRED. CONTACT BULLOCH COUNTY AT 912-764-6245 TO SCHEDULE THE PRE-CONSTRUCTION MEETING.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A COPY OF THE NOTICE OF INTENT. IF ONE HAS NOT BEEN PROVIDED/SUBMITTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DO SO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDRESSING THE REQUIREMENTS OF THE NPDES PERMIT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A COPY OF AND FAMILIARIZING THEMSELVES WITH THE FOLLOWING: GEOTECHNICAL REPORT AND WETLANDS ASSESSMENT.
 - CAD FILES OF THE DESIGN MAY BE OBTAINED BY THE CONTRACTOR UPON REQUEST, BUT THE LATEST ISSUED PLANS AND SPECIFICATIONS SHALL GOVERN. IN THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR ALL PRODUCTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY FIELD MARKINGS/LOCATES ARE IN AGREEMENT WITH THE APPROVED PLANS AND SPECIFICATIONS. IF THE FIELD LOCATIONS ARE FOUND TO BE IN CONFLICT OR IF UTILITIES ARE MARKED IN THE FIELD THAT ARE NOT SHOWN ON THE PLANS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY AND REQUEST DIRECTION. UNDERGROUND UTILITIES WERE LOCATED TO THE EXTENT PRACTICAL DURING THE TOPOGRAPHIC SURVEY BASED ON OBSERVABLE ABOVE GROUND EVIDENCE AND FLAGGING BY OTHERS. HOWEVER, THE UTILITIES SHOWN MAY NOT BE THE TYPE INDICATED OR IN THE LOCATION SHOWN AND OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THE PLANS. FULL AND COMPLETE SUBSURFACE INVESTIGATION SHALL BE PERFORMED BY THE CONTRACTOR TO VERIFY LOCATION, TYPE, AND SIZE OF ALL UNDERGROUND UTILITIES.
 - THE CONTRACTOR SHALL COMPLETELY CLEAR AND GRUB ALL AREAS WITHIN THE LIMITS OF DISTURBANCE UNLESS INDICATED OTHERWISE.
 - ALL UTILITY CONSTRUCTION SHALL BE PERFORMED BY A UTILITY CONTRACTOR LICENSED IN THE STATE OF GEORGIA.
 - ALL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
 - ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE GRASSED BY SEEDING, FERTILIZING, MULCHING AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER.
 - ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE STATE SOIL AND WATER CONSERVATION COMMISSION'S "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA." ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED ON A REGULAR BASIS AND SHALL BE REMOVED BY THE CONTRACTOR UPON ACCEPTANCE OF THE SITE BY THE OWNER.
 - CONTRACTOR SHALL USE TRENCH BOX ON ALL UTILITIES MORE THAN SIX FEET IN DEPTH. STACKABLE TRENCH BOXES SHALL BE USED WHERE DEPTH REQUIRES SUCH.
 - THE CONTRACTOR SHALL UTILIZE EXISTING BENCHMARKS AND CONTROL POINTS SHOWN ON THE PLANS TO ESTABLISH VERTICAL AND HORIZONTAL CONTROL ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THESE BENCHMARKS DURING THE CONSTRUCTION PROJECT AND FOR BEARING ANY EXPENSE RESULTING FROM UNAUTHORIZED REMOVAL OR REPLACEMENT OF BENCHMARKS. WHEN A PERMANENT BENCHMARK IS LOCATED SUCH THAT IT MUST BE REMOVED TO COMPLETE THE PROJECT, THE CONTRACTOR SHALL ESTABLISH SUCH TEMPORARY BENCHMARKS. HE MAY REQUIRE PRIOR TO REMOVING THE PERMANENT BENCHMARK, THE CONTRACTOR SHALL PROVIDE THE LOCATION, IDENTIFICATION AND ELEVATION OF ANY TEMPORARY BENCHMARK ESTABLISHED TO THE OWNER AND ENGINEER.
 - PROPERTY OWNERS SHALL BE PROVIDED SAFE AND CONTINUOUS ACCESS TO THEIR PROPERTY THROUGHOUT THE PROJECT. ANY TEMPORARY MEASURES REQUIRED TO ACCOMMODATE ACCESS SHALL BE INCLUDED IN THE BASE BID IF TEMPORARY ROAD CLOSURES ARE NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH BULLOCH COUNTY TO ESTABLISH AN ACCEPTABLE NOTIFICATION PROTOCOL.
 - THE USFS AND OTHER PARCEL SERVICES SHALL BE PROVIDED SAFE AND CONTINUOUS ACCESS TO MAILBOXES, HOMES, AND BUSINESSES. ANY IMPACTS TO MAILBOXES SHALL BE COORDINATED WITH THE MAILBOX OWNER. TEMPORARY AND PERMANENT MAILBOX RELOCATIONS REQUIRED FOR PROJECT CONSTRUCTION SHALL BE INCLUDED IN THE BASE BID. MAILBOXES SHALL BE LOCATED WITH THE FRONT FACE 8" FROM THE EDGE OF PAVEMENT AND THE BOTTOM 41" TO 45" ABOVE FINISHED GRADE. ALL RELOCATIONS SHALL EQUAL OR IMPROVE EXISTING CONDITIONS.
 - UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH G.D.O.T. STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEM (2021), AS WELL AS THE 2024 SUPPLEMENTAL SPECIFICATIONS.
 - THE QUANTITIES SHOWN ON THE PLANS AND BID FORM ARE ESTIMATED FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITIES IN THE FIELD DURING CONSTRUCTION.
 - ALL DISTURBED AREAS OUTSIDE OF THE RIGHT-OF-WAY SHALL BE GRADED TO DRAIN AND STABILIZE WITH TEMPORARY AND PERMANENT GRASSING.

- PAVING, GRADING AND DRAINAGE NOTES:**
- CONTOURS SHOWN ARE BASED ON FINISHED GRADES AND INCLUDE PAVEMENT SURFACING. FINAL EARTHWORK CONTOURS IN AREAS TO BE COVERED BY OTHER SURFACES WILL BE DIFFERENT FROM THOSE SHOWN ON THIS PLAN.
 - CONTOURS SHOWN ON THIS SHEET ARE FOR GENERAL GUIDANCE AND INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL GRADE THE SITE IN ACCORDANCE WITH ELEVATIONS SHOWN, IN CASES OF CONFLICT BETWEEN SPOT ELEVATIONS AND CONTOURS, THE SPOT ELEVATIONS SHALL GOVERN.
 - ALL PROPOSED PAVEMENT SHALL BE SUPPORTED BY A 24" MINIMUM THICKNESS SUBBASE COMPOSED OF COMPACTED SUITABLE MATERIAL ABLE TO PASS #100 SIEVE. DEFINITIONS OF SUITABLE MATERIAL, COMPACTED MATERIAL, AND ROLLING ARE PROVIDED IN THE PROJECT SPECS. UNDERCUTTING AND BACKFILLING OF UNSUITABLE MATERIAL, IF PRESENT, TO ESTABLISH THE REQUIRED SUBBASE SHALL BE INCLUDED IN THE BASE BID. THE GEOTECHNICAL REPORT IS INCLUDED WITH THE CONTRACT DOCUMENTS.
 - LOAD BEARING AND STRUCTURAL FILLS SHALL BE APPROVED SUITABLE MATERIAL AS DEFINED IN THE PROJECT SPECS. WASTE MATERIALS MAY BE USED FOR FLUSHING OF SHOULDER OR CONSTRUCTION OF PEDESTRIAN OR LANDSCAPED AREAS IF THEY CAN BE STABILIZED, SUPPORT PLANT GROWTH, AND MEET THE REQUIRED DEGREE OF COMPACTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
 - INVERT ELEVATIONS SHOWN ON THE PLANS ARE TO THE INVERT OF THE LOWEST PIPE UNLESS SHOWN OTHERWISE.
 - THE CONTRACTOR SHALL INSTALL ALL DRAINAGE PIPE PER MANUFACTURER'S RECOMMENDATIONS. IF A CONFLICT BETWEEN THE PLANS AND MANUFACTURER'S RECOMMENDATIONS ARISES, PLEASE NOTIFY THE DESIGN ENGINEER/OWNER IMMEDIATELY AND DISCONTINUE WORK UNTIL FURTHER NOTICE IS GIVEN.
 - ALL DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE CLASS III UNLESS OTHERWISE NOTED.
 - UNLESS OTHERWISE SHOWN, ALL EXISTING DRIVEWAYS SHALL BE REMOVED AND REPLACED. WIDTH SHALL BE AS INDICATED IN THE PLAN. LENGTH SHALL BE AT LEAST TO THE RIGHT-OF-WAY BUT SHALL EXTEND FARTHER IF SHOWN IN THE PLAN. DRIVEWAY MATERIAL SHALL BE 6" THICK GRADED AGGREGATE BASE (G.A.B.) MEETING THE PROJECT SPECIFICATIONS. ALL DRIVEWAYS SHALL HAVE A 12" MIN. SUBGRADE OF SUITABLE MATERIAL COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER ASTM D1557.
 - CONTRACTOR SHALL APPLY BITUMINOUS PRIME COAT TO ALL GRADED AGGREGATE BASE TO RECEIVE ASPHALT PAVEMENT IN ACCORDANCE WITH GDOT SPECIFICATION SECTION 412. PRIME SHALL BE APPLIED AT A RATE OF 0.2 GALLONS PER SQUARE YARD OF PAVEMENT FOR AN APPROXIMATE TOTAL QUANTITY OF 9,700 GALLONS. MATERIAL FOR PRIME IS NOT PAID SEPARATELY. THE COST TO CLEAN THE SURFACE, FURNISH, HAUL AND APPLY MATERIALS, ROLL, AND PERFORM REPAIRS AND MAINTENANCE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR RECYCLED ASPHALT CONCRETE (PAY ITEM 402-3133).

- SIGNAGE AND STRIPING NOTES:**
- ALL TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". THE MANUAL IDENTIFICATION AND DIMENSIONS ARE SHOWN ON STAKING SHEETS FOR EACH REQUIRED SIGN. THE ORIENTATION OF EACH SIGN FROM AN APPROACHING DRIVER'S POINT OF VIEW IS ALSO SHOWN. SIGN AND SUPPORT POST MATERIAL AND INSTALLATION SHALL CONFORM TO THE PERTINENT SECTIONS OF THE CURRENT EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
 - ALL PAVEMENT MARKINGS SHALL BE REFLECTORIZED HIGH BUILD STANDARD TRAFFIC LINE PAINT (WITH GLASS BEADS). MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH GEORGIA DOT SPECIFICATIONS, LATEST EDITION.
 - ALL STREET SIGN LETTERING SHALL BE A MINIMUM OF 6" IN HEIGHT.

- AS-BUILT REQUIREMENTS:**
- CONTRACTOR SHALL FURNISH AS-BUILT DATA TO THE ENGINEER MEETING THE REQUIREMENTS OF BULLOCH COUNTY FOR CLOSE-OUT. THESE REQUIREMENTS ARE SUMMARIZED AS FOLLOWS:
 - a. STORM SYSTEM - LOCATION OF MANHOLES, INLETS, DRAINS, OUTLET CONTROL STRUCTURES, CLEAN-OUTS, TEES AND BENDS, AND OTHER STORM SYSTEM FEATURES, TO INCLUDE ELEVATIONS FOR STRUCTURE TOPS, THROATS, FLOW LINES, AND INVERTS OF THE CONNECTING PIPES, FOR STORM PIPES, THE LENGTH, SIZE AND PIPE MATERIAL SHALL BE INDICATED. FOR OUTLET CONTROLS, THE SIZE AND ELEVATION OF ANY WEIRS, PIPES, ORIFICES, RESTRICTOR PLATES OR OTHER CONTROLLING FEATURE SHALL BE PROVIDED.
 - b. PAVEMENT - SPOT ELEVATIONS SHALL BE PROVIDED ON ALL NEW PAVEMENT, WITH THE SPOT ELEVATION POINTS TO BE TAKEN IN THE SAME LOCATIONS AS THE PROPOSED SPOT GRADES SHOWN ON THE GRADING PLAN.

- SPECIAL NOTES:**
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
 - WETLANDS ARE DESIGNATED ON THE PLAN AND ARE CONSIDERED TO BE STATE WATERS AS DEFINED BY GEORGIA DEPARTMENT OF NATURAL RESOURCES. WETLANDS ON THE SITE DO NOT REQUIRE A BUFFER, AND THERE ARE NO STATE WATERS WITH A BUFFER LOCATED WITHIN 200' OF THE SITE.
 - ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY VEGETATION.
 - WHERE SPECIFIED ON THE PLANS, PROPOSED GATE SHALL CONSIST OF A WIRE CABLE ATTACHED TO TWO (2) WOODEN POSTS, WHICH ARE 8" IN LENGTH (5' ABOVE GROUND) AND 7.5" IN DIAMETER AND ARE SPACED AT THE LENGTH SPECIFIED IN THE PLAN. EACH GATE ASSEMBLY INCLUDES ONE (1) LOCK AND TWO (2) KEYS.

CUT	18,649 CY
FILL	14,105 CY
NET	4,544 CY <CUT>

UNLESS SPECIFICALLY ALLOWED BY THE PROJECT PLANS, THE CONTRACTOR SHALL NOT MOVE EQUIPMENT OR CLOSE A LANE ON ANY PORTION OF THE PROJECT THAT CAUSES AN INTERRUPTION TO TRAFFIC DURING THE HOURS OF 6:00 AM TO 8:00 AM AND 4:00 PM TO 6:00 PM MONDAY - FRIDAY. THE CONTRACTOR MAY REQUEST RELIEF FROM THESE TIME RESTRICTIONS, ON A LIMITED BASIS, BY DELIVERY OF A WRITTEN REQUEST TO THE COUNTY ENGINEER. AT NO TIME IS THE CONTRACTOR RELIEVED OF THE TIME RESTRICTIONS UNLESS WRITTEN APPROVAL IS PROVIDED BY THE COUNTY ENGINEER.

THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO CHOP ROAD FOR A MAXIMUM OF 14 CONSECUTIVE CALENDAR DAYS FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 63+00 AND 64+00. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO CHOP ROAD FOR A MAXIMUM OF 4 CONSECUTIVE CALENDAR DAYS FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 8+00 AND 8+50. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING, AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE, AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

THE PROJECT WILL REQUIRE PORTIONS OF THE NEW ROADWAY TO BE REALIGNED DURING THE COURSE OF CONSTRUCTION. TRAFFIC SHALL REMAIN IN ITS CURRENT PATTERN AND CONFIGURATION UNTIL SUCH TIME THAT SIGNIFICANT PORTIONS OF THE REALIGNED ROADWAY ARE COMPLETED TO THE SATISFACTION OF THE COUNTY ENGINEER. THE CONTRACTOR SHALL DELIVER A WRITTEN REQUEST FOR INSPECTION TO THE COUNTY ENGINEER AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO OPENING TO TRAFFIC EACH PORTION OF NEWLY REALIGNED ROADWAY. AT NO TIME IS ANY PORTION OF THE PROJECT ALLOWED TO BE CLOSED TO TRAFFIC WITHOUT PRIOR WRITTEN APPROVAL BY THE COUNTY ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ALL TRAFFIC CONTROL ON THE PROJECT IN ACCORDANCE WITH THE CURRENT VERSION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION SPECIAL PROVISION 150 TRAFFIC CONTROL AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). TRAFFIC CONTROL IS SUBJECT TO REVIEW, INSPECTION, AND APPROVAL OF THE COUNTY ENGINEER.

THE EROSION AND SEDIMENT CONTROL PLANS DO NOT CONTAIN APPROVED METHODS TO CONSTRUCT A STREAM DIVERSION OR STREAM DIVERSION CHANNEL FOR DRAINAGE WORK ALONG TWO CHOP ROAD, SPECIFICALLY THE DRAINAGE WORK FROM STATION 8+00 TO STATION 8+50 WITHIN AN INTERMITTENT STREAM, AND FROM STATION 63+00 TO STATION 64+00 WITHIN THE FRESH WATERS OF THE PERENNIAL STREAM, MILL CREEK. ADDITIONALLY, BOTH OF THESE LOCATIONS ARE CITED WITHIN THE EROSION AND SEDIMENT CONTROL PLANS AS NPDES STORMWATER DISCHARGE SAMPLING POINTS. THEREFORE, PRIOR TO THE PERFORMANCE OF THE DRAINAGE WORK AT BOTH LOCATIONS, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A DETAILED PLAN THAT CLEARLY DEFINES THE SEQUENCE OF OPERATIONS FOR DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF NEW STRUCTURES, WHILE ALSO PROVIDING FOR A TEMPORARY STREAM DIVERSION OR A STREAM DIVERSION CHANNEL THAT ADEQUATELY COMPLIES WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT.

ANY EXISTING FEATURES TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR OR HIS SUBS SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO BULLOCH COUNTY.

STANDARD ROADWAY ABBREVIATIONS:

- BFS-BEGIN FULL SUPERELEVATION
- BNC-BEGIN NORMAL CROWN
- BP-BEGIN PROJECT
- CL-CENTERLINE
- EFS-END FULL SUPERELEVATION
- ENC-END NORMAL CROWN
- ERC-END REVERSE CROWN
- EP-END PROJECT
- HP-HIGH POINT
- LP-LOW POINT
- LT-LEFT
- ML-MAINLINE
- NC-NORMAL CROWN
- PC-POINT OF CURVATURE
- PCC-POINT OF COMPOUND CURVATURE
- PGL-PROFILE GRADE LINE
- PI-POINT OF INTERSECTION
- PT-POINT OF TANGENCY
- PVC-POINT OF VERTICAL CURVATURE
- PVI-POINT OF VERTICAL INTERSECTION
- PVT-POINT OF VERTICAL TANGENCY
- RC-REVERSE CROWN
- RT-RIGHT
- STA-STATION

LEGEND:

SURVEY FEATURES

- BENCHMARK (DATUM NAVD88)
- HOR. CONTROL POINT (GA. EAST ST. PLANE)
- CONCRETE MONUMENT (PROPERTY OR R/W)
- PROPERTY MARKER (IRON PIPE OR REBAR)
- SIGN
- WOODSLINE
- TREE
- MAILBOX
- LIGHT POLE
- UTILITY POLE
- ELECTRICAL BOX
- COMMUNICATION APPURTENANCE
- TRAFFIC SIGNAL BOX
- GAS METER
- GAS VALVE
- OVERHEAD TELEPHONE
- UNDERGROUND TELEPHONE
- OVERHEAD CABLE/TV
- UNDERGROUND CABLE/TV
- OVERHEAD ELECTRICITY
- UNDERGROUND ELECTRICITY
- UNDERGROUND FIBER
- UNDERGROUND GAS
- AC UNIT
- FLOOD ZONE
- SOIL TYPES

GENERAL

- WETLAND
- WETLAND IMPACT
- BUFFER
- DEMOLITION
- TREE DEMOLITION
- PROPERTY/LOT LINE
- RIGHT OF WAY
- EASEMENT
- SETBACK
- ROAD CENTERLINE
- 1.5" 12.5MM SUPERPAVE ASPHALT OVERLAY

PAVING (BITUMINOUS ASPHALT PAVING)

- ASPHALT (STANDARD DUTY)

SPOT ELEVATIONS

- FINISHED GRADE
- TOP OF PAVEMENT
- TOP OF CURB
- TOP OF WALK
- TOP OF SLOPE
- BASE OF SLOPE
- FINISHED FLOOR ELEVATION
- TOP OF WALL
- BASE OF WALL
- HIGHPOINT (PAVEMENT CENTERLINE)
- LOW POINT (PAVEMENT CENTERLINE)
- POINT OF VERTICAL INTERSECTION
- CONTOUR

DRAINAGE

- MANHOLE
- CURB INLET
- GRATE INLET/DROP INLET/ROOF INLET
- STORM DRAIN PIPE
- CLEANOUT
- SWALE/DITCH

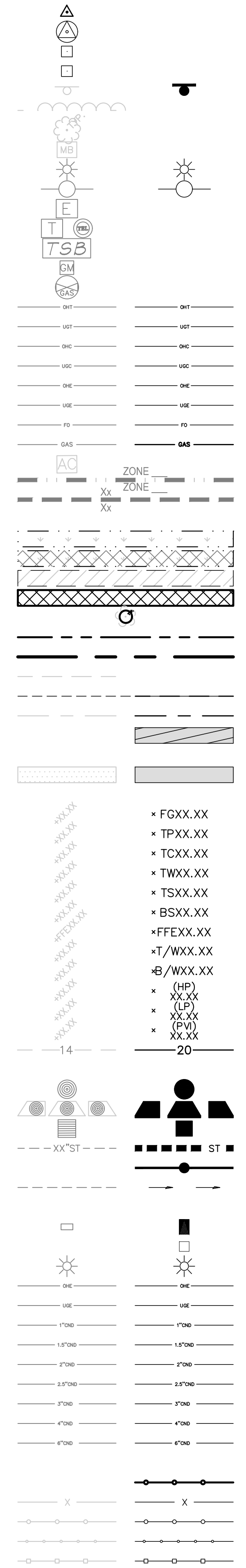
ELECTRICAL

- ELECTRIC CABINET/TRANSFORMER
- SECONDARY ELECTRICAL PEDESTAL
- LIGHT POLE/FIXTURE
- OVERHEAD ELECTRICITY
- UNDERGROUND ELECTRICITY
- 1" CONDUIT
- 1.5" CONDUIT
- 2" CONDUIT
- 2.5" CONDUIT
- 3" CONDUIT
- 4" CONDUIT
- 6" CONDUIT

FENCING

- TREE PROTECTION
- CHAIN LINK
- WOOD PRIVACY
- PVC PRIVACY
- BRICK

EXISTING PROPOSED



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION
1	07/26/2024	ADDENDUM #1

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

DATE: JUNE 21, 2024

JOB NO. 122148117

SCALE: N.T.S.

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
GENERAL NOTES

DRAWING NUMBER

C0.2



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:
 Δ 07/26/2024 ADDENDUM #1

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.

DATE: JUNE 21, 2024

JOB NO. 122148117

SCALE: N.T.S.

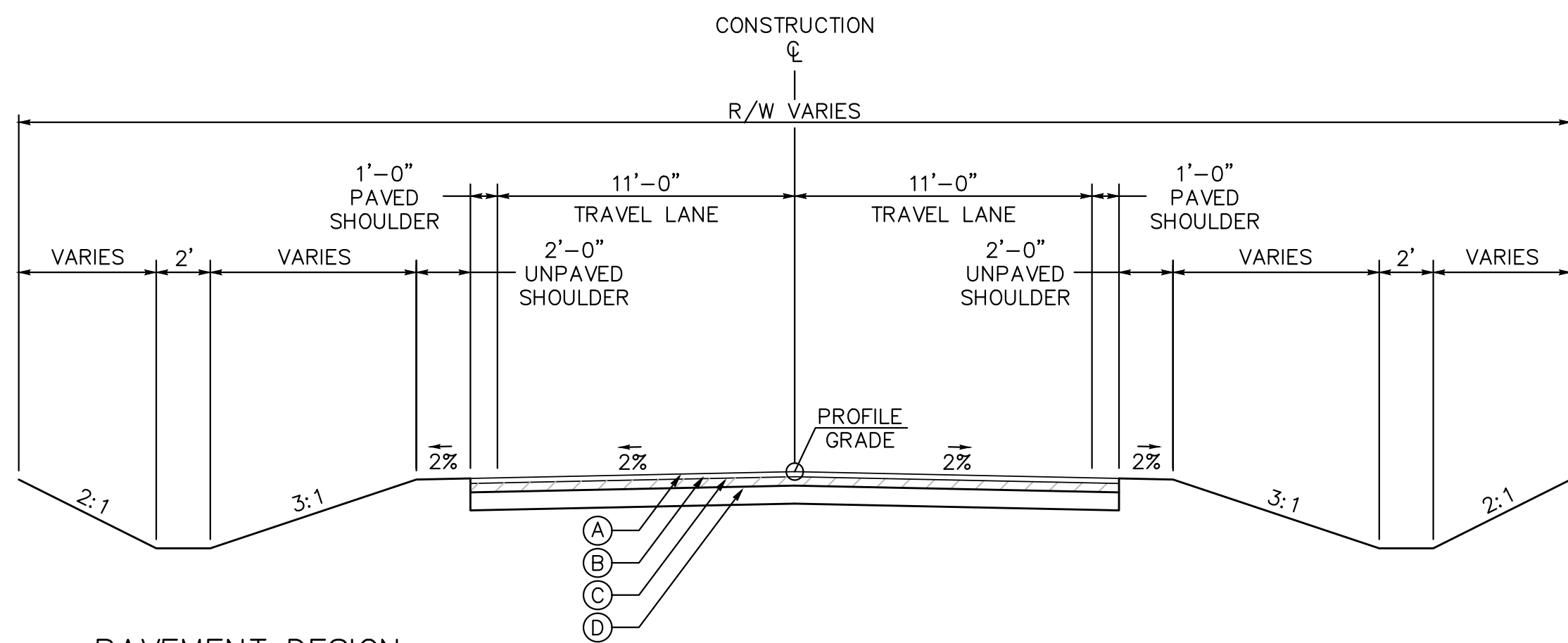
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
SUMMARY OF QUANTITIES

DRAWING NUMBER

C0.3

SUMMARY OF ESTIMATED QUANTITIES

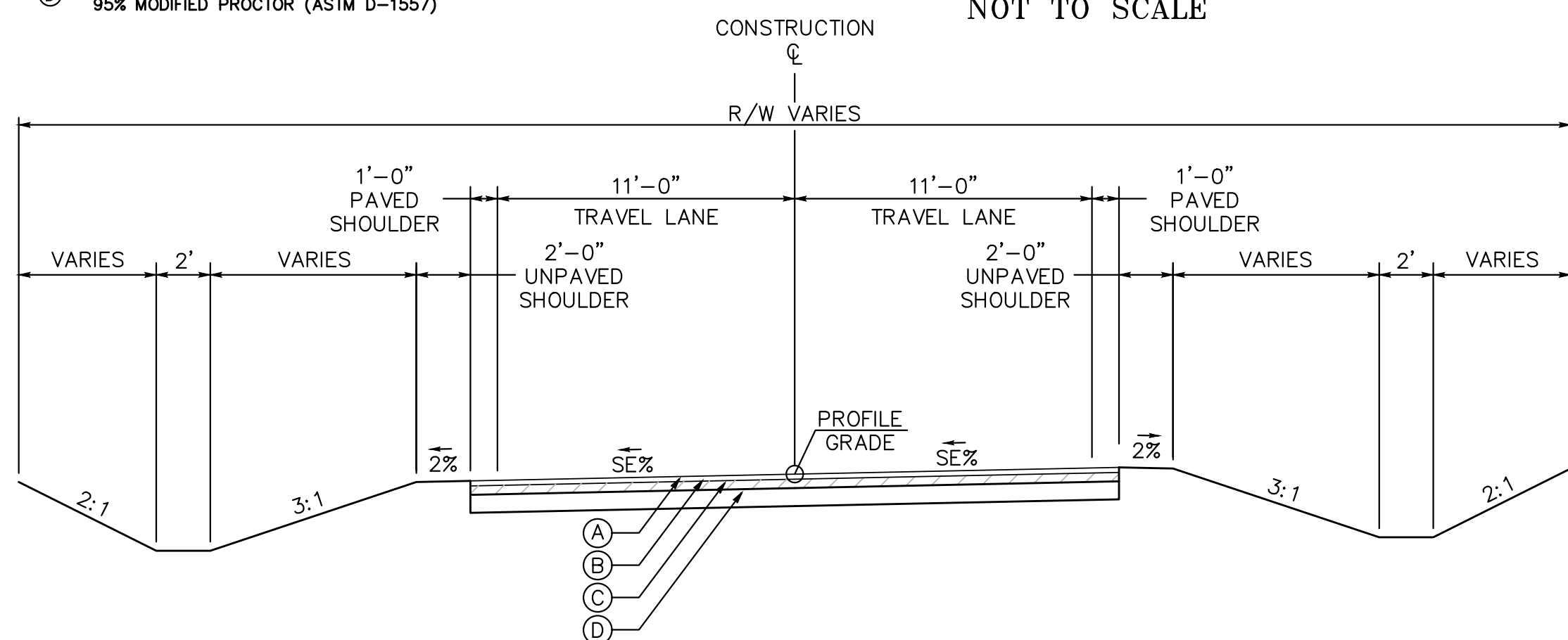
ITEM	ESTIMATED QUANTITY	DESCRIPTION	UNIT
150-1000	1.00	TRAFFIC CONTROL	LS
163-0232	15.00	TEMPORARY GRASSING	AC
163-0240	30.00	TEMPORARY MULCH	TN
163-0528	1,800.00	CONSTRUCT AND REMOVE FABRIC CHECK DAM, TYPE C SILT FENCE	LF
165-0010	26,000.00	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE A	LF
165-0030	1,400.00	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE C	LF
165-0041	1,800.00	MAINTENANCE OF FABRIC CHECK DAM, TYPE C SILT FENCE	LF
167-1000	10.00	WATER QUALITY MONITORING AND SAMPLING	EA
167-1500	18.00	WATER QUALITY INSPECTIONS	MO
171-0010	26,000.00	TEMPORARY SILT FENCE, TYPE A	LF
171-0030	1,400.00	TEMPORARY SILT FENCE, TYPE C	LF
201-1500	1.00	CLEARING & GRUBBING	LS
207-0203	100.00	FOUNDATION BACKFILL MATERIAL, TYPE II	CY
210-0100	1.00	GRADING COMPLETE	LS
310-5060	51,000.00	GRADED AGGREGATE BASE, 6 INCH, INCLUDING MATERIAL	TN
		RECYCLED ASPHALT CONCRETE, 12.5 MM SUPERPAVE, GP 1 OR 2, INCLUDING	
402-3113	6,710.00	BITUMINOUS MATERIAL AND H LIME	TN
413-1000	57.00	BITUMINOUS TACK COAT	GL
441-0014	35.00	DRIVEWAY CONCRETE, 4 INCH THICK	SY
500-3600	125.00	CLASS A CONCRETE, SPECIAL DESIGN CONCRETE HEADER, 15 INCH X 12 INCH	LF
500-3800	63.00	CLASS A CONCRETE, INCLUDING REINFORCING STEEL	CY
550-3415	6.00	SAFETY END SECTION 15 INCH, SIDE DRAIN, 4:1 SLOPE	EA
550-3418	64.00	SAFETY END SECTION 18 INCH, SIDE DRAIN, 4:1 SLOPE	EA
550-3424	4.00	SAFETY END SECTION 24 INCH, SIDE DRAIN, 4:1 SLOPE	EA
550-4218	8.00	FLARED END SECTION 18 INCH, STORM DRAIN	EA
550-4224	4.00	FLARED END SECTION 24 INCH, STORM DRAIN	EA
550-4230	4.00	FLARED END SECTION 30 INCH, STORM DRAIN	LF
550-5150	115.00	STORM DRAIN PIPE, 15 INCH, CLASS III	LF
550-5181	1,687.00	STORM DRAIN PIPE, 18 INCH, CLASS III	LF
550-5240	201.00	STORM DRAIN PIPE, 24 INCH, CLASS III	LF
550-5300	115.00	STORM DRAIN PIPE, 30 INCH, CLASS III	LF
550-5600	294.00	STORM DRAIN PIPE, 60 INCH, CLASS III	LF
603-2180	1,300.00	STONE DUMPED RIP RAP, TYPE 3, 12 INCH	SY
653-2501	7.00	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 INCH, WHITE	LM
653-2502	7.00	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 INCH, YELLOW	LM
653-1704	90.00	THERMOPLASTIC SOLID TRAFFIC STRIPE, 24 INCH, WHITE	LF
636-1033	50.00	HIGHWAY SIGNS, TYPE 1 MATERIAL, REFLECTIVE SHEETING, TYPE 9	SF
636-1036	96.10	HIGHWAY SIGNS, TYPE X MATERIAL, REFLECTIVE SHEETING, TYPE 9	SF
636-2070	349.82	GALVANIZED STEEL POSTS, TYPE 7	LF
700-0001	15.00	PERMANENT GRASSING COMPLETE	AC
999-0310	1.00	CONSTRUCTION MATERIAL TESTING COMPLETE - CONTRACTOR PROVIDED	LS
643-0010	2,220.00	FIELD FENCE WOVEN WIRE, INCLUDES 3 STRANDS OF BARBED WIRE, STEEL POSTS	LF
643-8050	1.00	GATE - SPECIAL DESIGN, 20 FT.	EA
643-8050	1.00	GATE - SPECIAL DESIGN, 30 FT.	EA



- PAVEMENT DESIGN**
- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (275 LBS/SY)
 - Ⓑ BITUMINOUS TACK COAT
 - Ⓒ GRADED AGGREGATE BASE COURSE, 6 INCH, INCL MATL
 - Ⓓ 24" MIN. DRAINED, COARSE GRAINED SOIL COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557)

**TWO CHOP ROAD
TYPICAL SECTION**

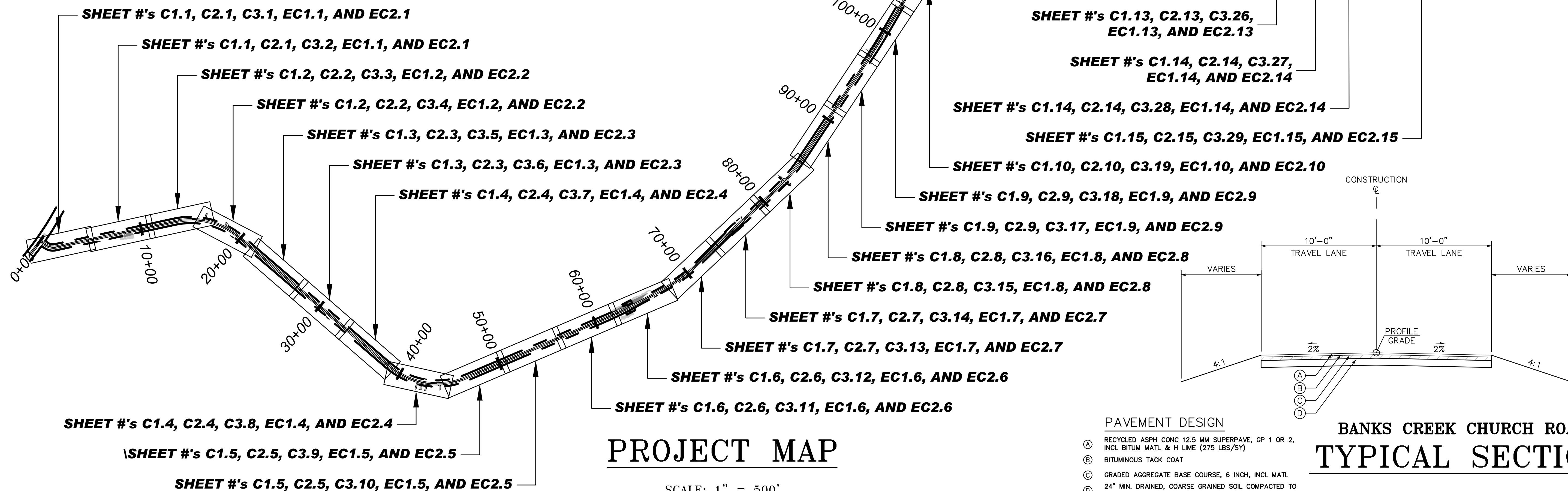
NOT TO SCALE



- PAVEMENT DESIGN**
- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (275 LBS/SY)
 - Ⓑ BITUMINOUS TACK COAT
 - Ⓒ GRADED AGGREGATE BASE COURSE, 6 INCH, INCL MATL
 - Ⓓ 24" MIN. DRAINED, COARSE GRAINED SOIL COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557)

**TWO CHOP ROAD
SUPERELEVATED SECTION**

NOT TO SCALE



- PAVEMENT DESIGN**
- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (275 LBS/SY)
 - Ⓑ BITUMINOUS TACK COAT
 - Ⓒ GRADED AGGREGATE BASE COURSE, 6 INCH, INCL MATL
 - Ⓓ 24" MIN. DRAINED, COARSE GRAINED SOIL COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557)

**BANKS CREEK CHURCH ROAD
TYPICAL SECTION**

NOT TO SCALE



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

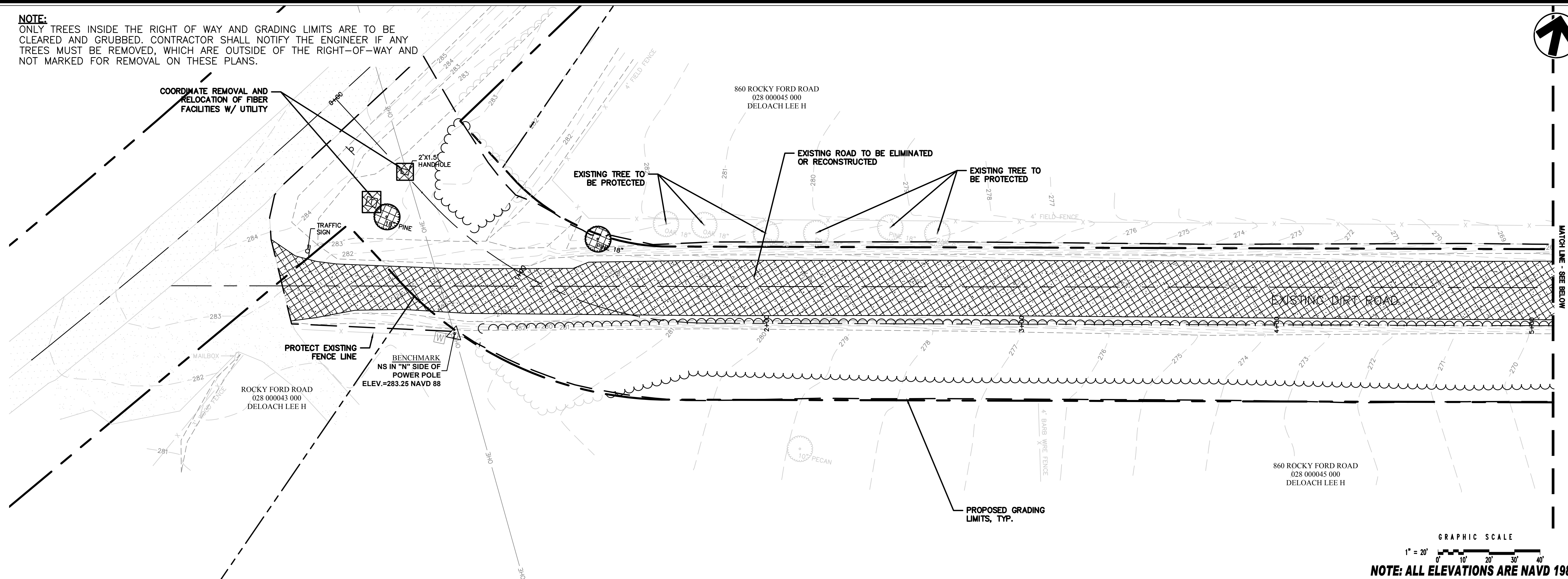
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: N.T.S.		

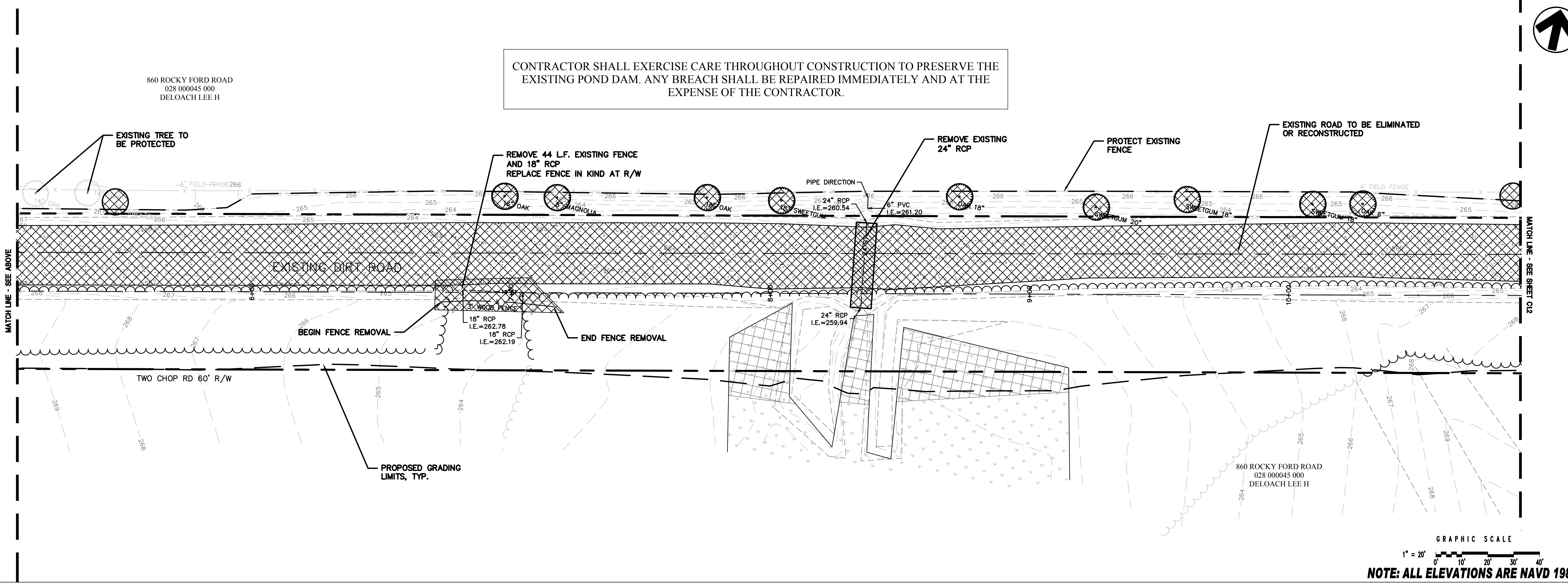
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PROJECT MAP AND TYPICAL SECTION

DRAWING NUMBER
C0.4

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.



CONTRACTOR SHALL EXERCISE CARE THROUGHOUT CONSTRUCTION TO PRESERVE THE
 EXISTING POND DAM. ANY BREACH SHALL BE REPAIRED IMMEDIATELY AND AT THE
 EXPENSE OF THE CONTRACTOR.



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T:912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

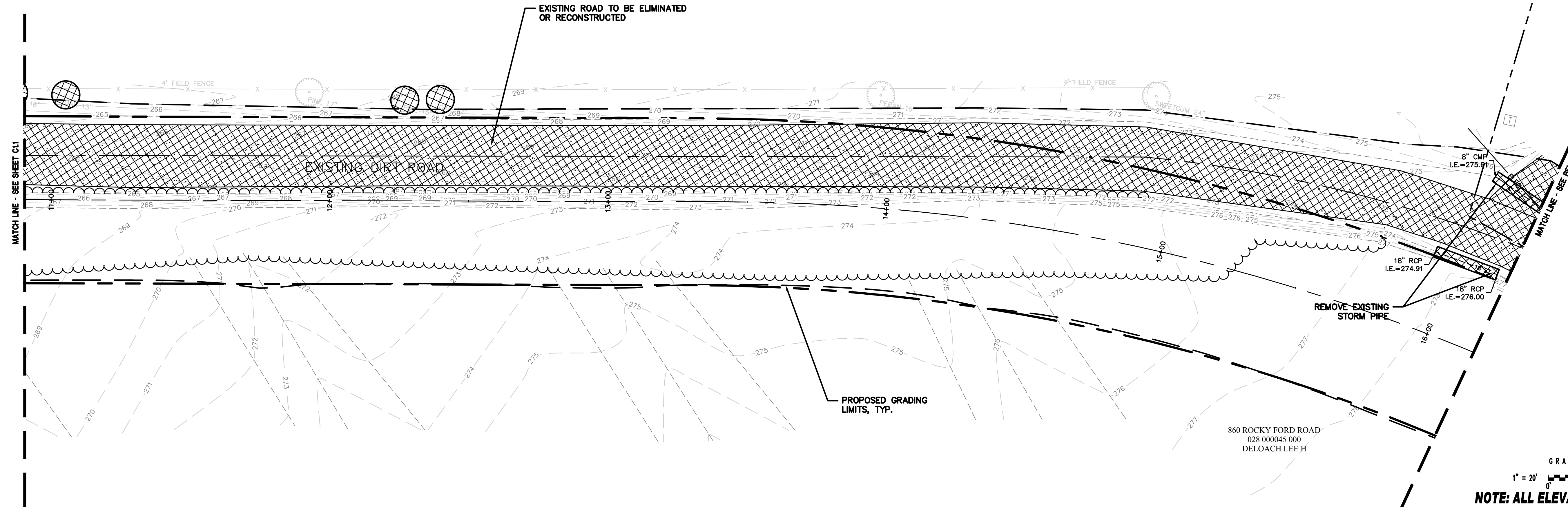
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C11

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.

860 ROCKY FORD ROAD
 028 000045 000
 DELOACH LEE H

EXISTING ROAD TO BE ELIMINATED
 OR RECONSTRUCTED



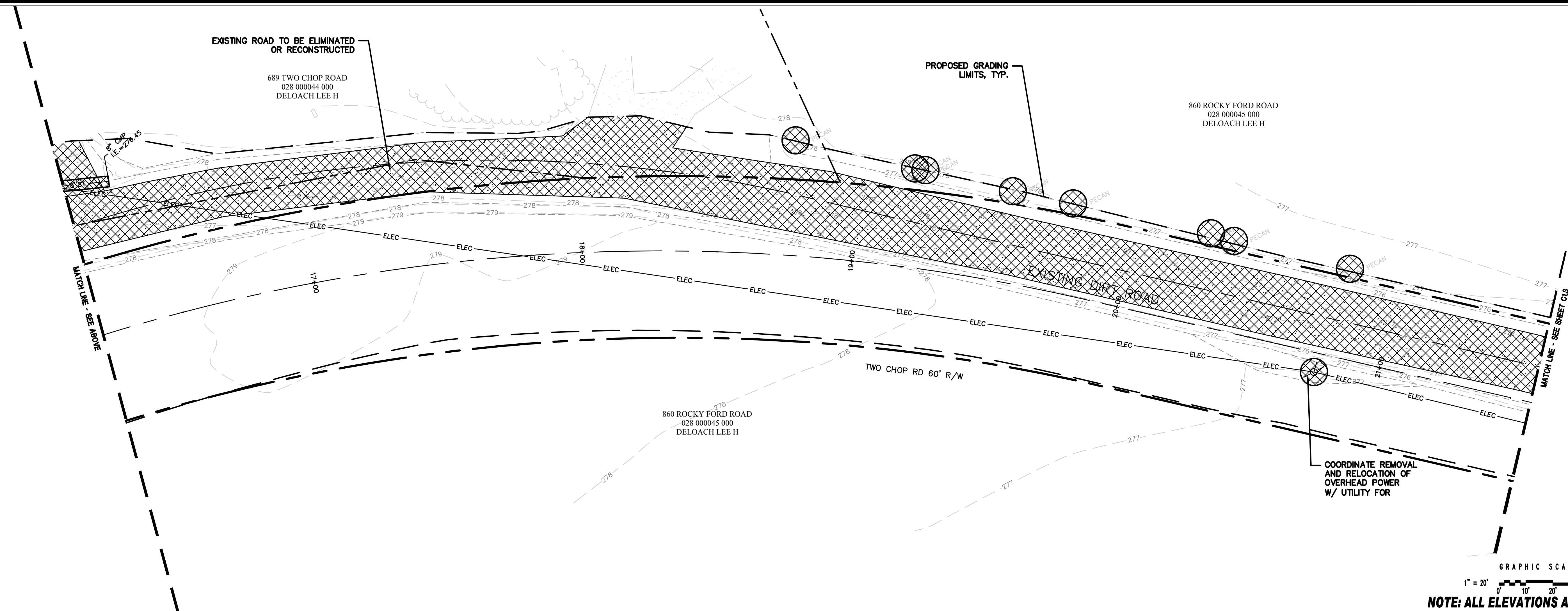
GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.

EXISTING ROAD TO BE ELIMINATED
 OR RECONSTRUCTED

689 TWO CHOP ROAD
 028 000044 000
 DELOACH LEE H

PROPOSED GRADING
 LIMITS, TYP.

860 ROCKY FORD ROAD
 028 000045 000
 DELOACH LEE H



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER

C1.2

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.

860 ROCKY FORD ROAD
 028 000045 000
 DELOACH LEE H

PROPOSED GRADING
 LIMITS, TYP.

EXISTING ROAD TO BE ELIMINATED
 OR RECONSTRUCTED

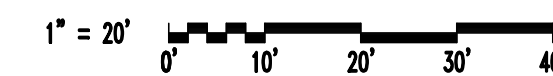
EXISTING DIRT ROAD

COORDINATE REMOVAL
 AND RELOCATION OF
 OVERHEAD POWER
 W/ UTILITY FOR

860 ROCKY FORD ROAD
 028 000045 000
 DELOACH LEE H

1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR

GRAPHIC SCALE



NOTE: ALL ELEVATIONS ARE NAVD 1988.

MATCH LINE - SEE SHEET C12

MATCH LINE - SEE SHEET C10



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:
 07/26/2024 ADDENDUM #1

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER

C13

E:\Bulloch County\122148117...Two Chop Road Paving\Cadd Files\Construction\C13_DEMO.dwg December 14, 2018 8:56 AM Printed By: ebennett

1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR

EXISTING ROAD TO BE ELIMINATED
 OR RECONSTRUCTED

EXISTING DIRT ROAD

TWO CHOP RD 60' R/W

PROPOSED GRADING
 LIMITS, TYP.

COORDINATE REMOVAL
 AND RELOCATION OF
 OVERHEAD POWER
 W/ UTILITY FOR

1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR

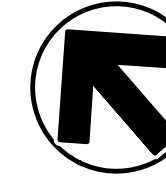
GRAPHIC SCALE



NOTE: ALL ELEVATIONS ARE NAVD 1988.

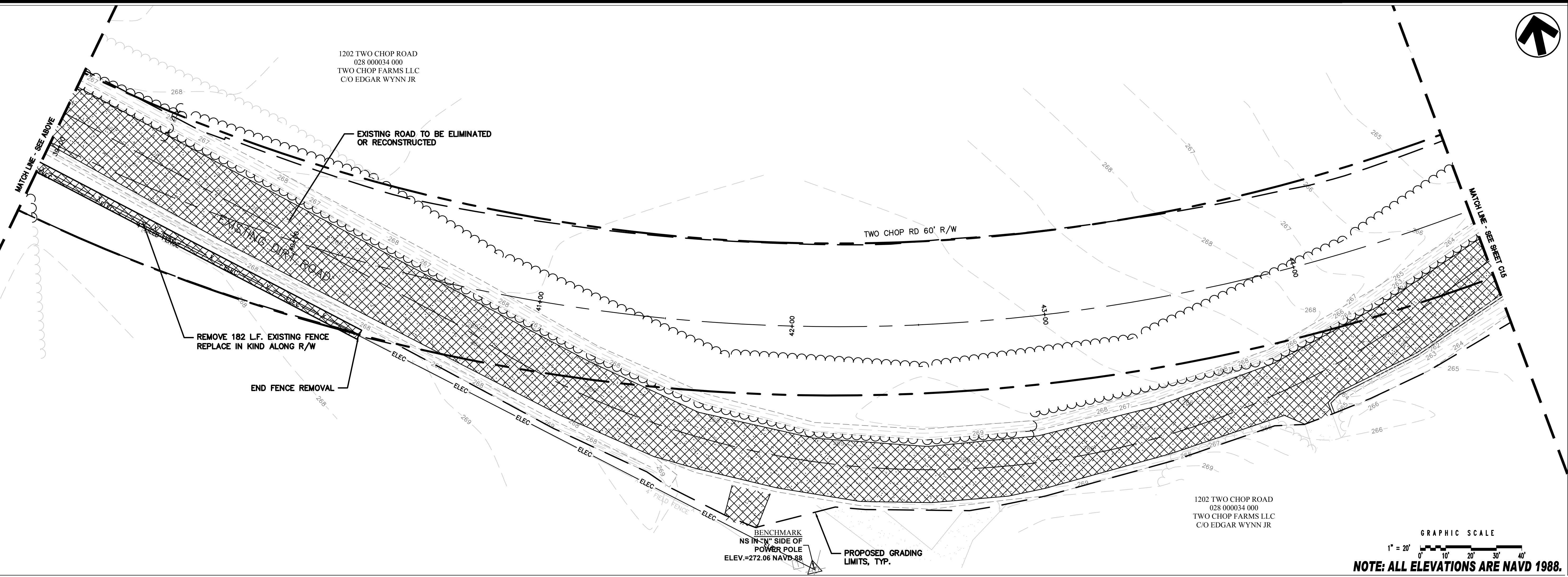
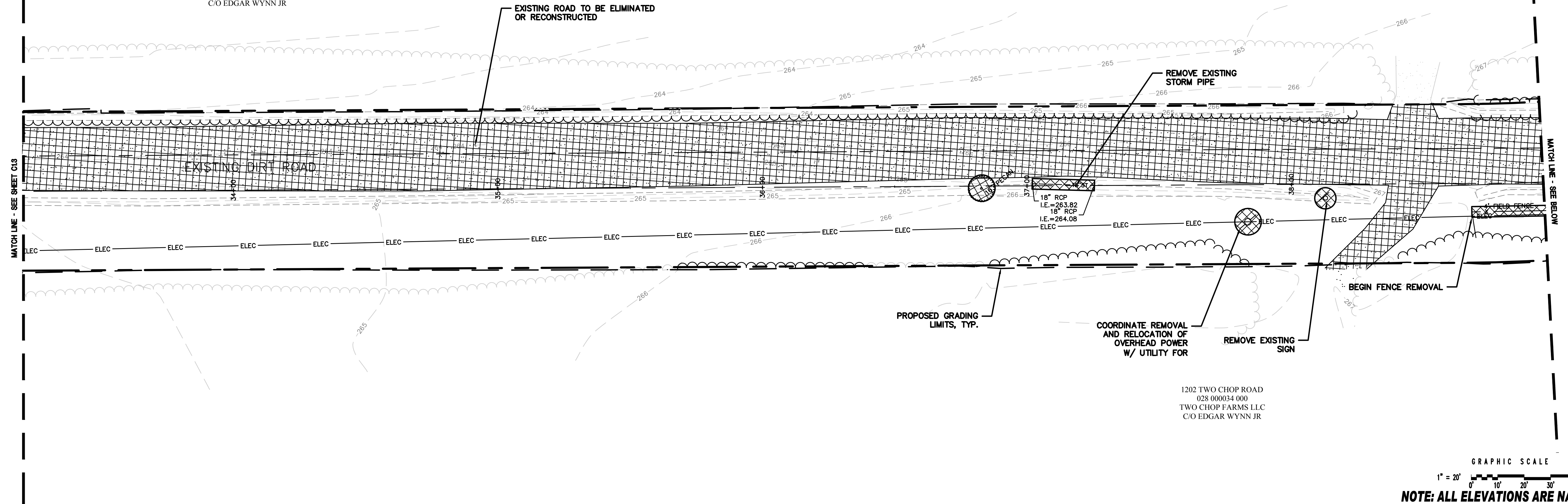
MATCH LINE - SEE ABOVE

MATCH LINE - SEE SHEET C14



NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE CLEARED AND GRUBBED.
 CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY TREES MUST BE REMOVED, WHICH ARE OUTSIDE
 OF THE RIGHT-OF-WAY AND NOT MARKED FOR REMOVAL ON THESE PLANS.

1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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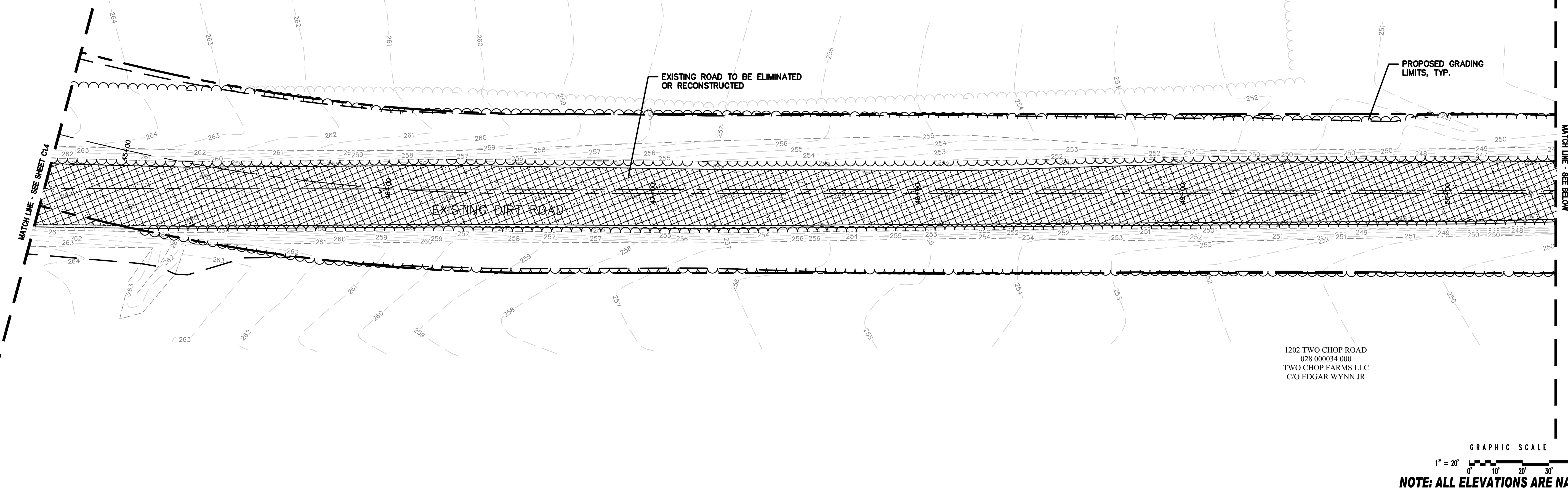
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

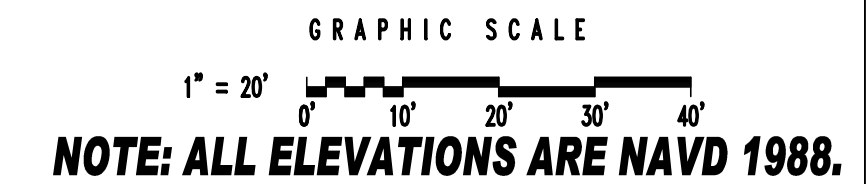
DRAWING NUMBER
C1.4

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND NOT MARKED FOR REMOVAL ON THESE PLANS.

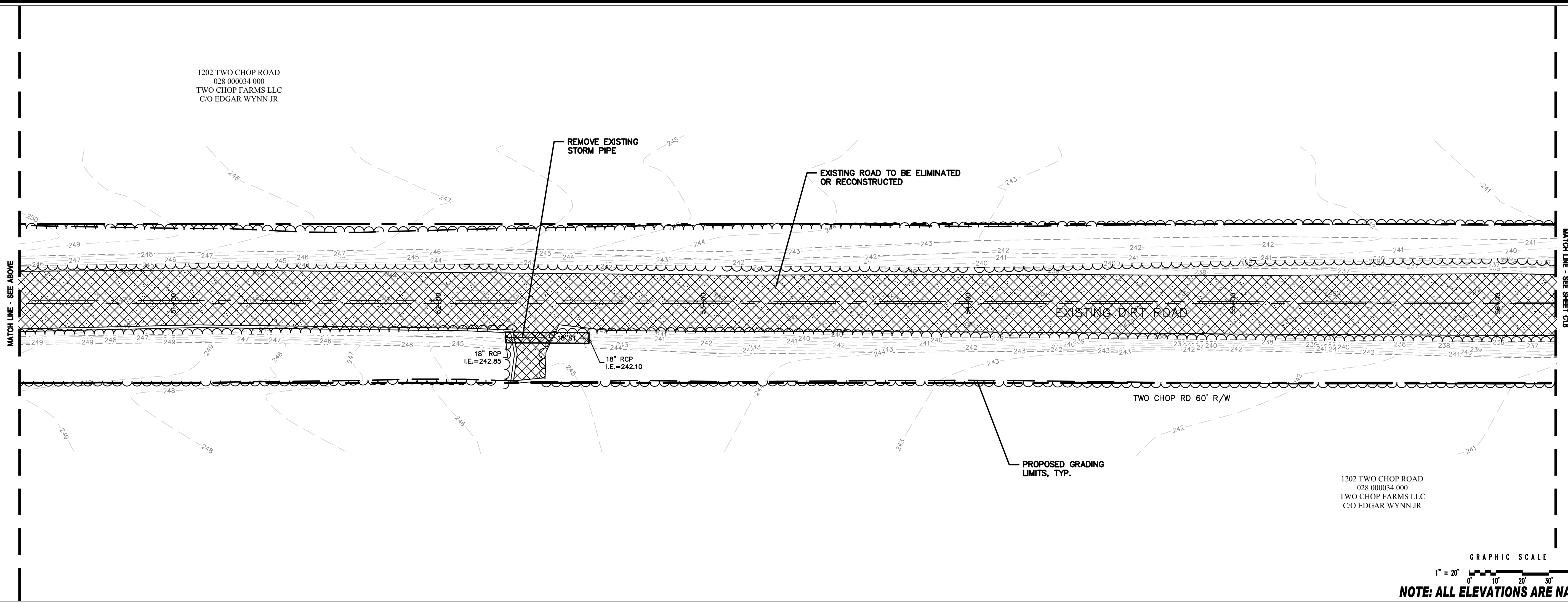
1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR



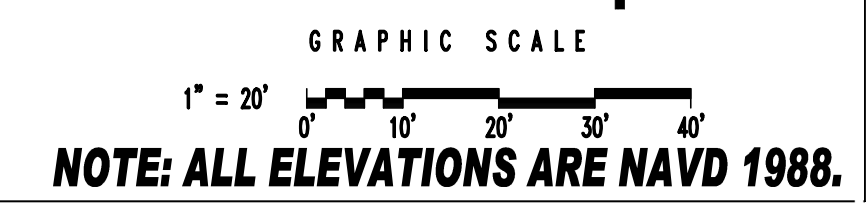
1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR



1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR



1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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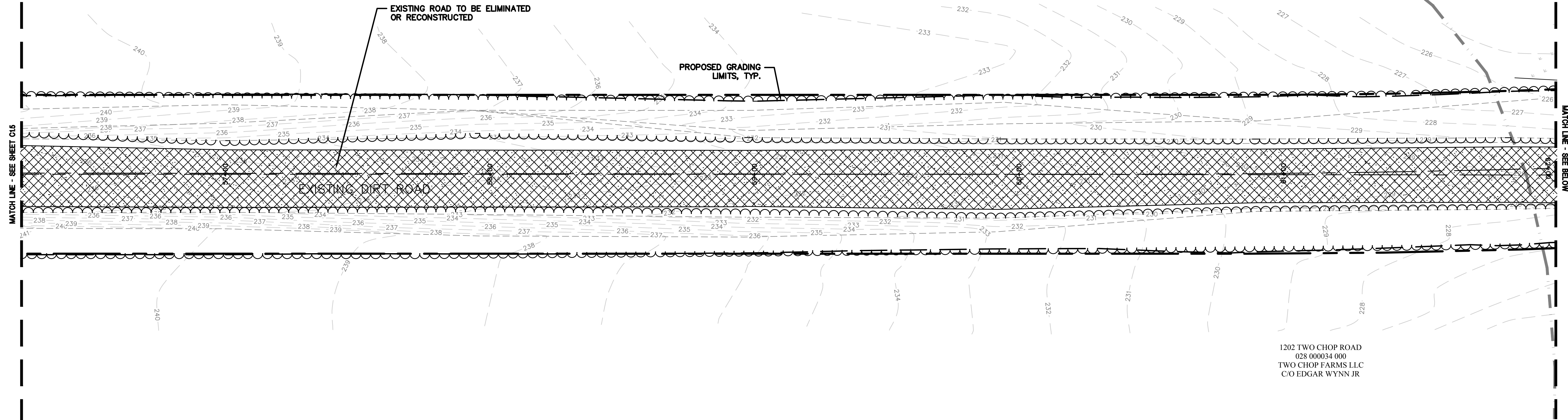
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C15

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.

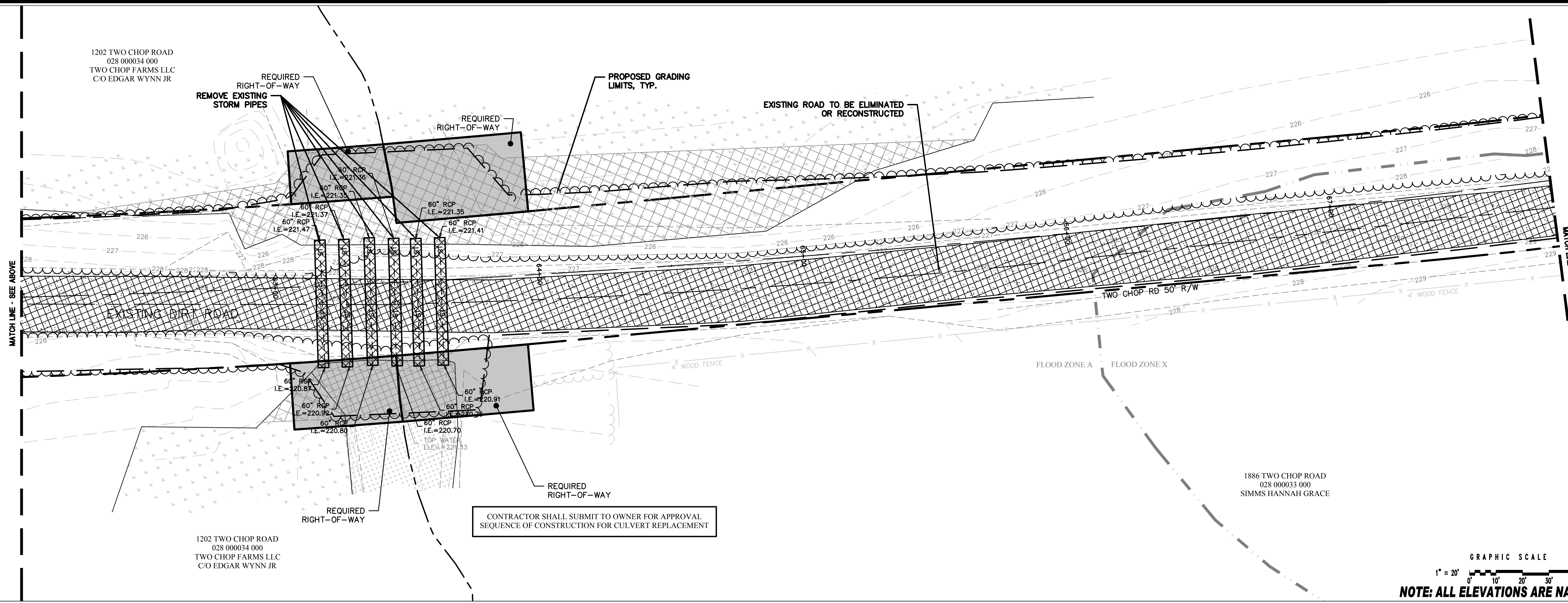
1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR



1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR

GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR

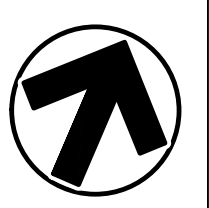
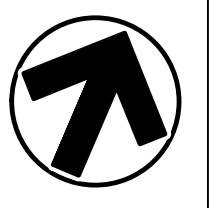


1202 TWO CHOP ROAD
 028 000034 000
 TWO CHOP FARMS LLC
 C/O EDGAR WYNN JR

1886 TWO CHOP ROAD
 028 000033 000
 SIMMS HANNAH GRACE

CONTRACTOR SHALL SUBMIT TO OWNER FOR APPROVAL
 SEQUENCE OF CONSTRUCTION FOR CULVERT REPLACEMENT

GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

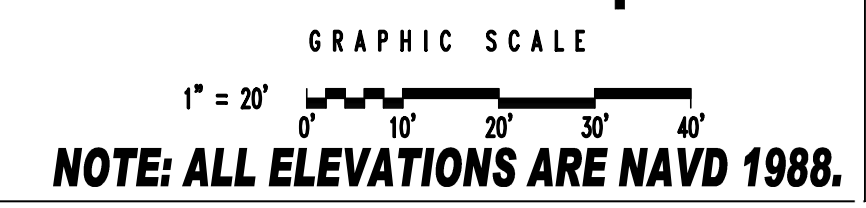
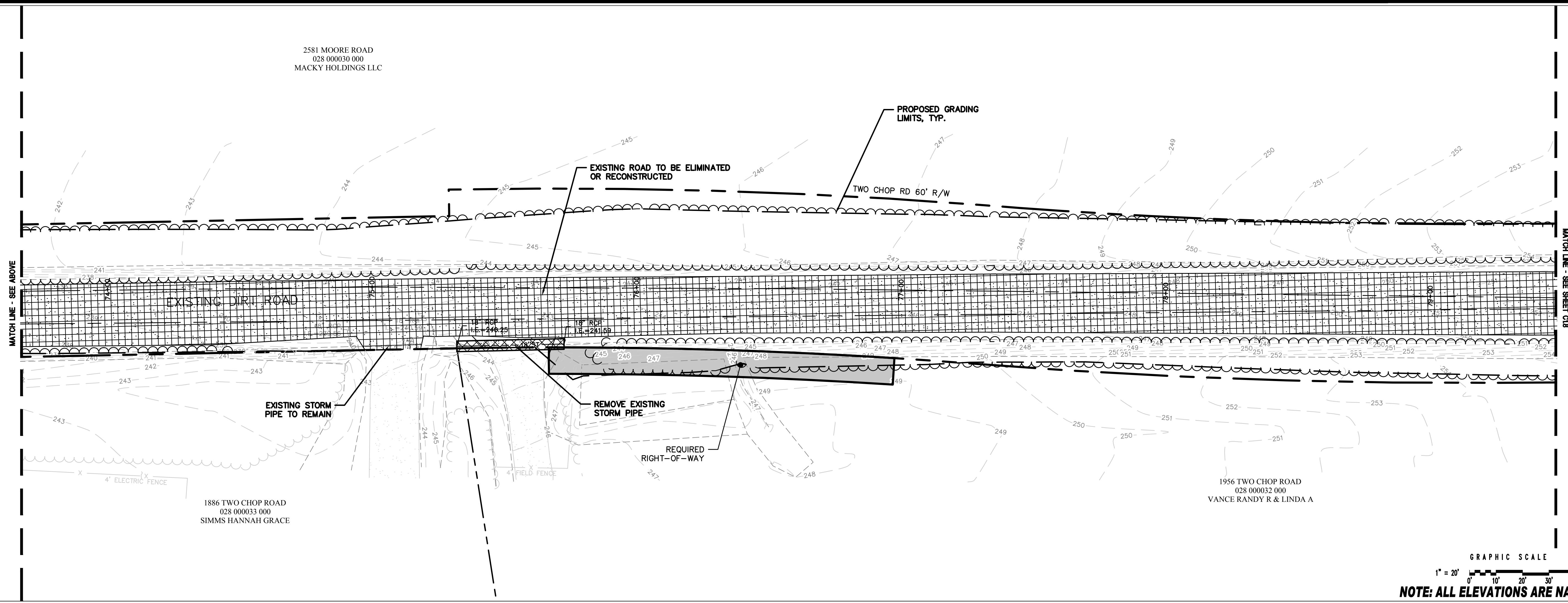
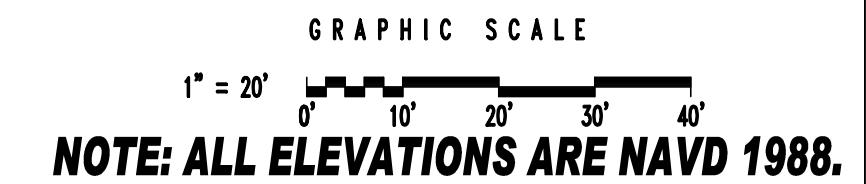
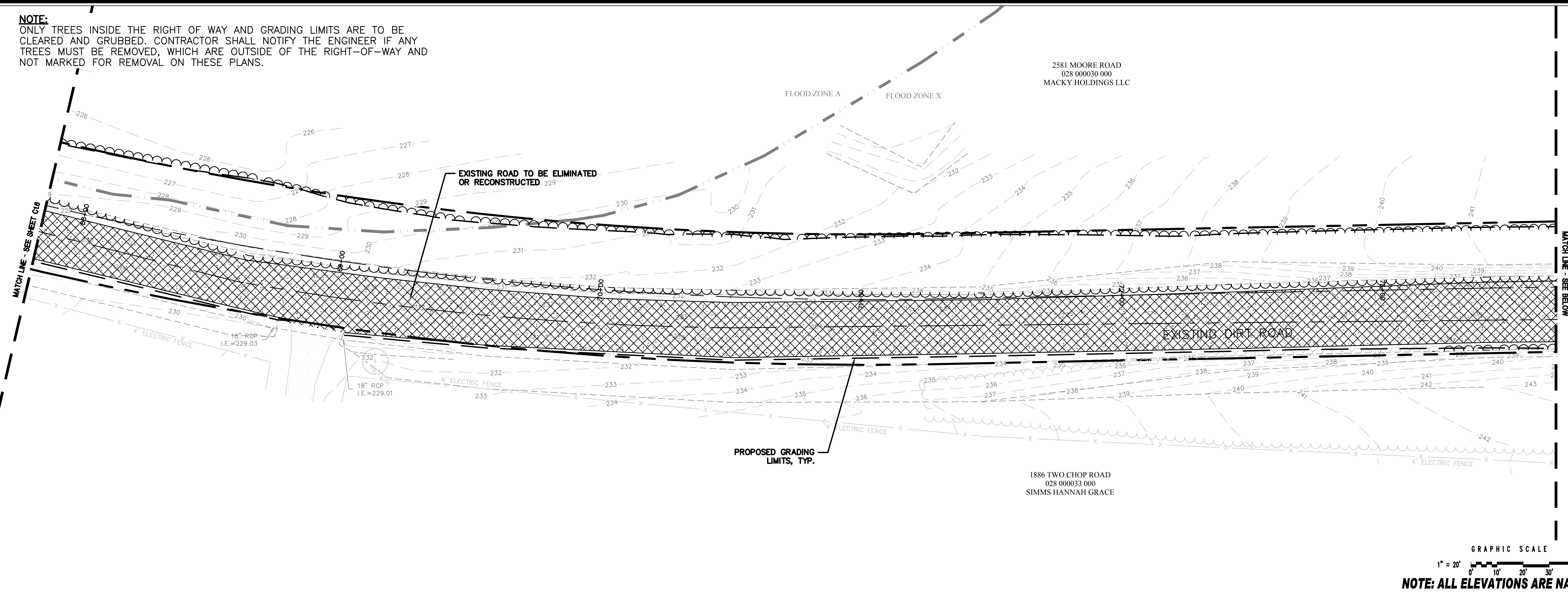
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.6

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.7

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND NOT MARKED FOR REMOVAL ON THESE PLANS.

2581 MOORE ROAD
 028 000030 000
 MACKY HOLDINGS LLC

REMOVE EXISTING
 STORM PIPE

PROPOSED GRADING
 LIMITS, TYP.

COORDINATE REMOVAL
 AND RELOCATION OF
 TELECOM

MOORE ROAD
 028 000031 000
 ELLIS JOHN PAUL JR

EXISTING ROAD TO BE ELIMINATED
 OR RECONSTRUCTED

EXISTING DIRT ROAD

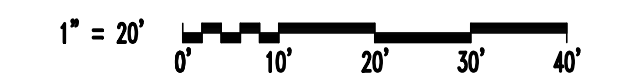
REMOVE EXISTING
 SIGN

COORDINATE REMOVAL
 AND RELOCATION OF
 OVERHEAD POWER

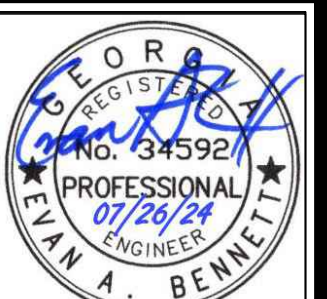
MOORE ROAD
 028 000031 000
 ELLIS JOHN PAUL JR

1956 TWO CHOP ROAD
 028 000032 000
 VANCE RANDY R & LINDA A

GRAPHIC SCALE



NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

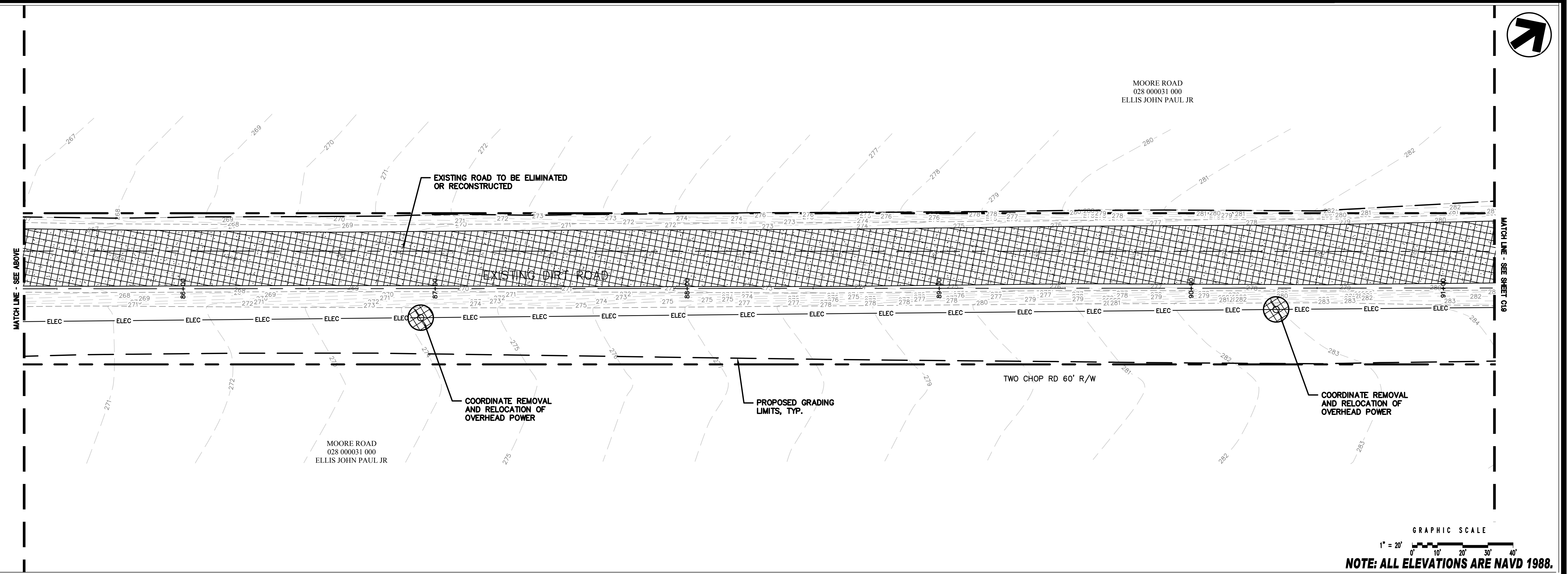
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

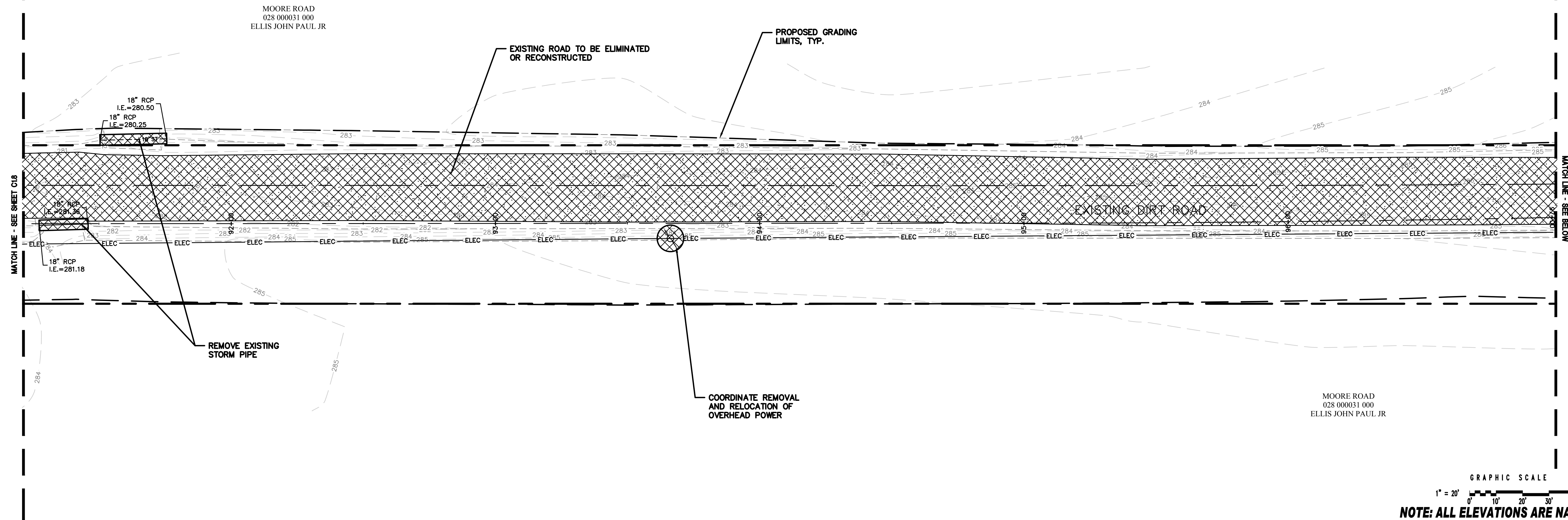
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.8

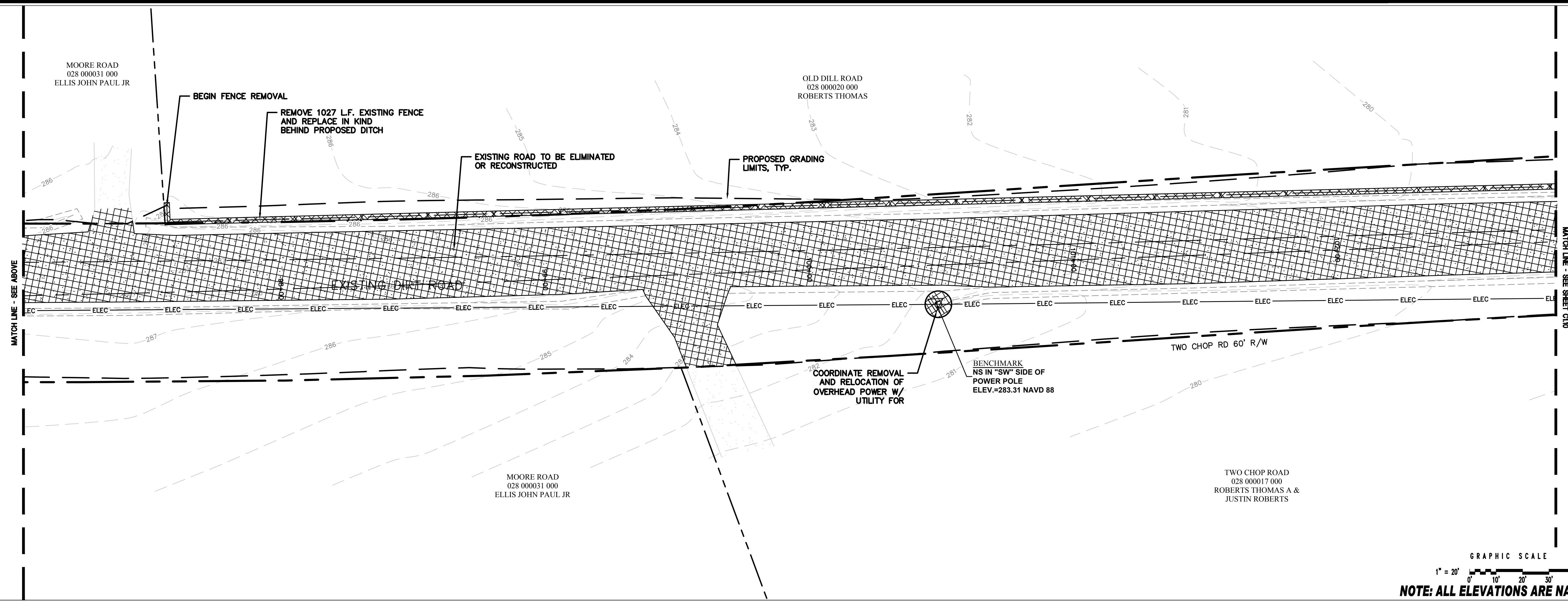
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 December 14, 2018 8:56 AM Printed By: ebennett



NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

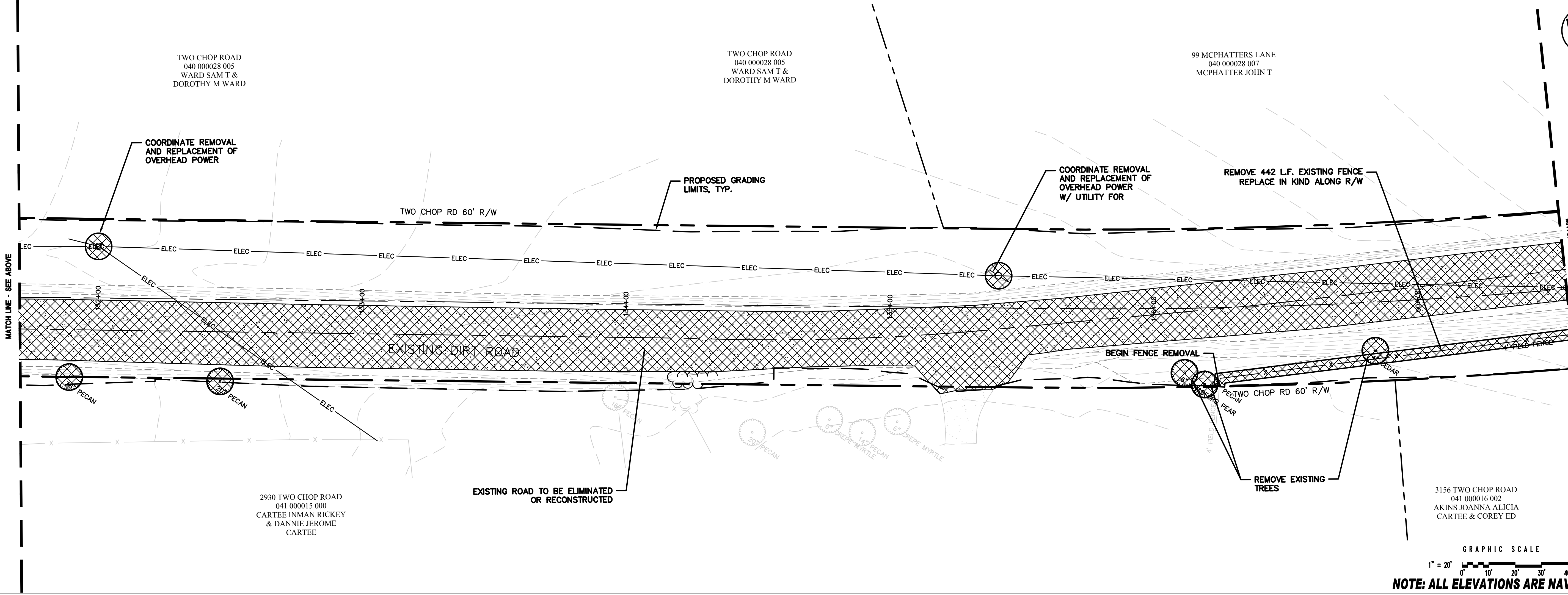
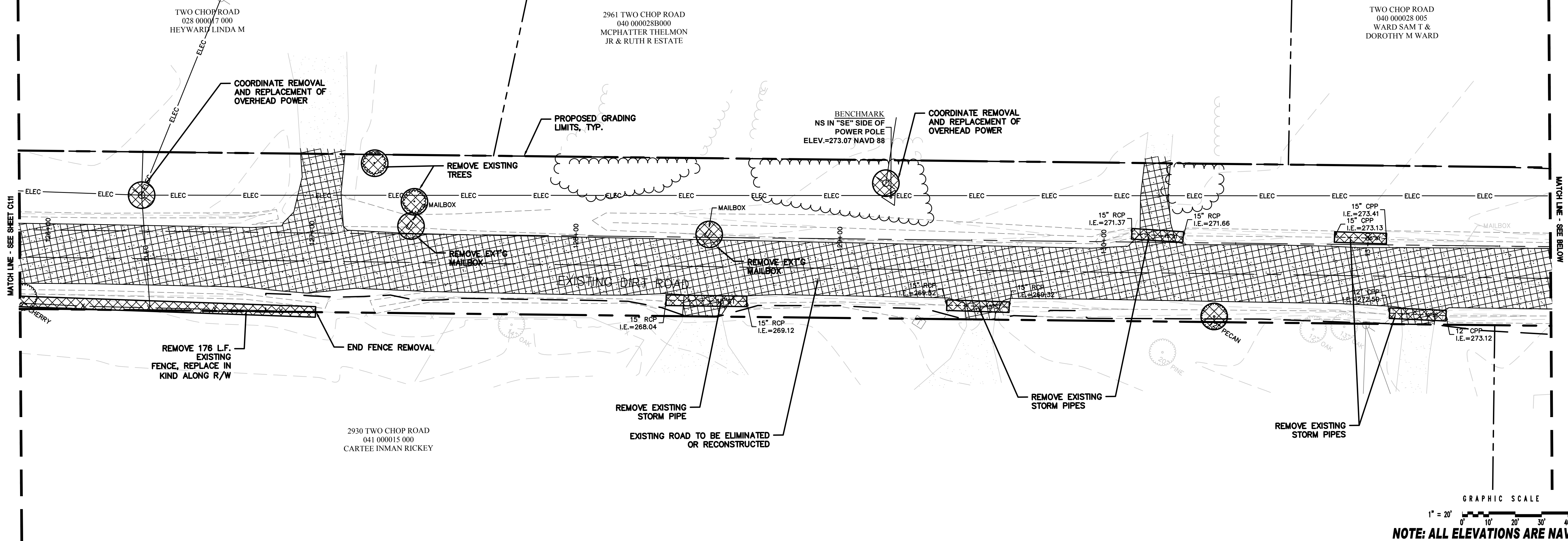
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.9

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE CLEARED AND GRUBBED.
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 OF THE RIGHT-OF-WAY AND NOT MARKED FOR REMOVAL ON THESE PLANS.



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

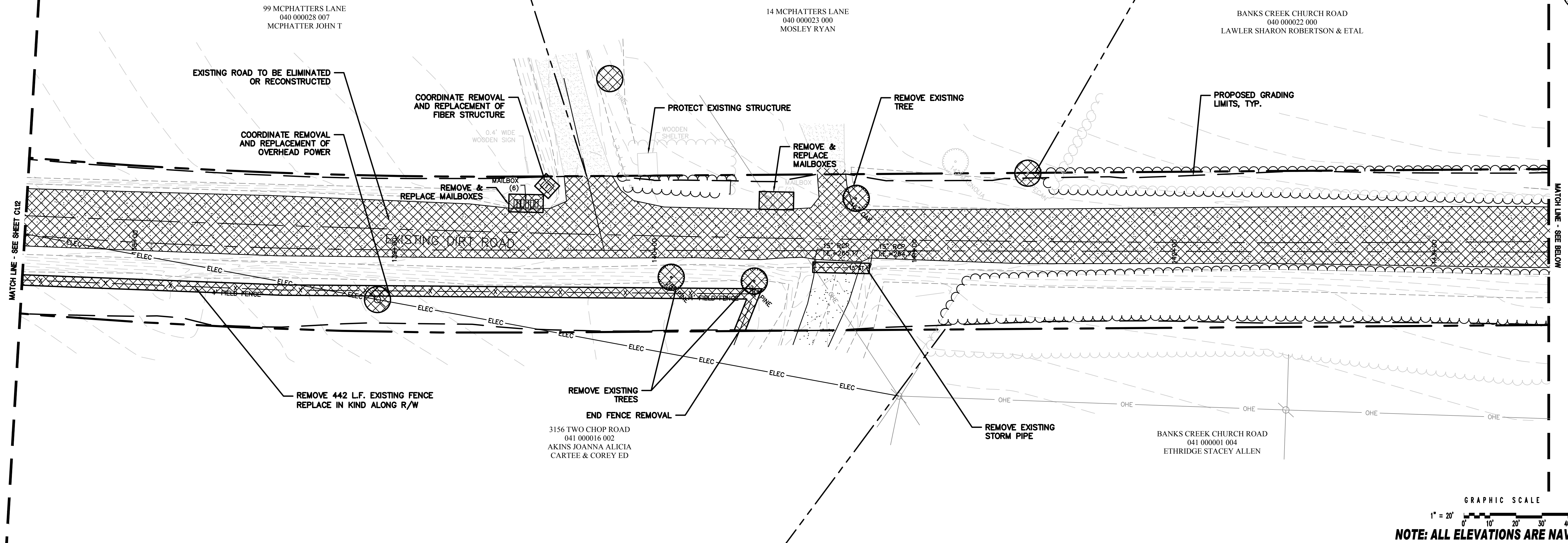
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

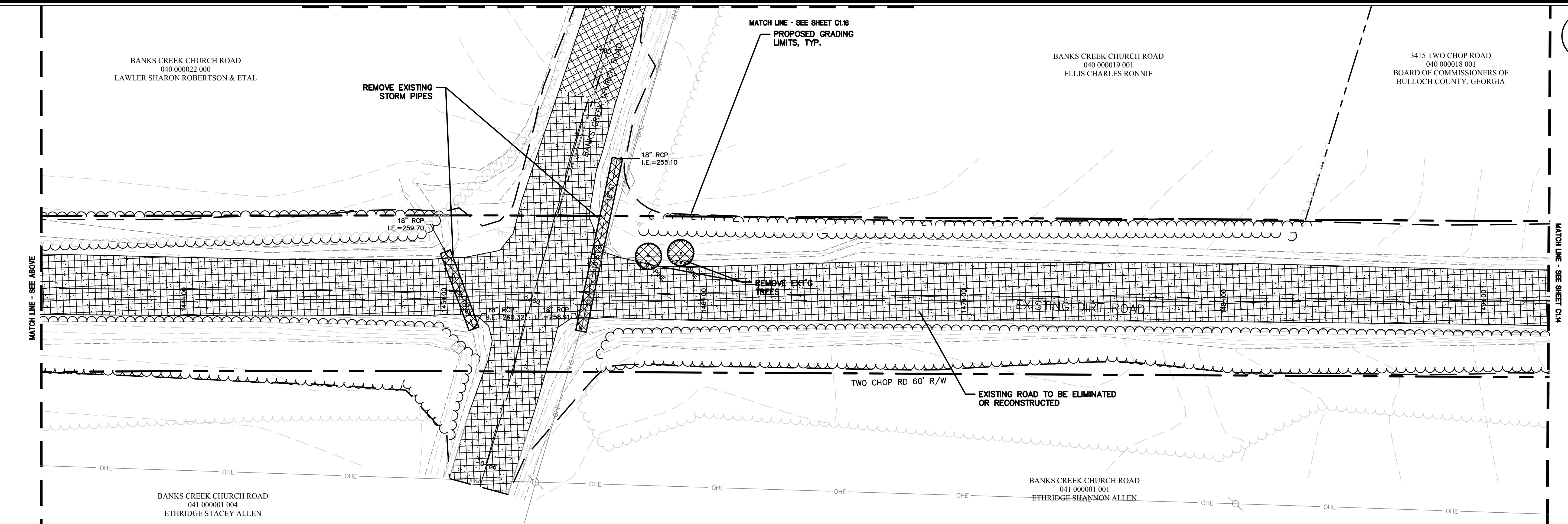
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.12

NOTE:
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GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
 Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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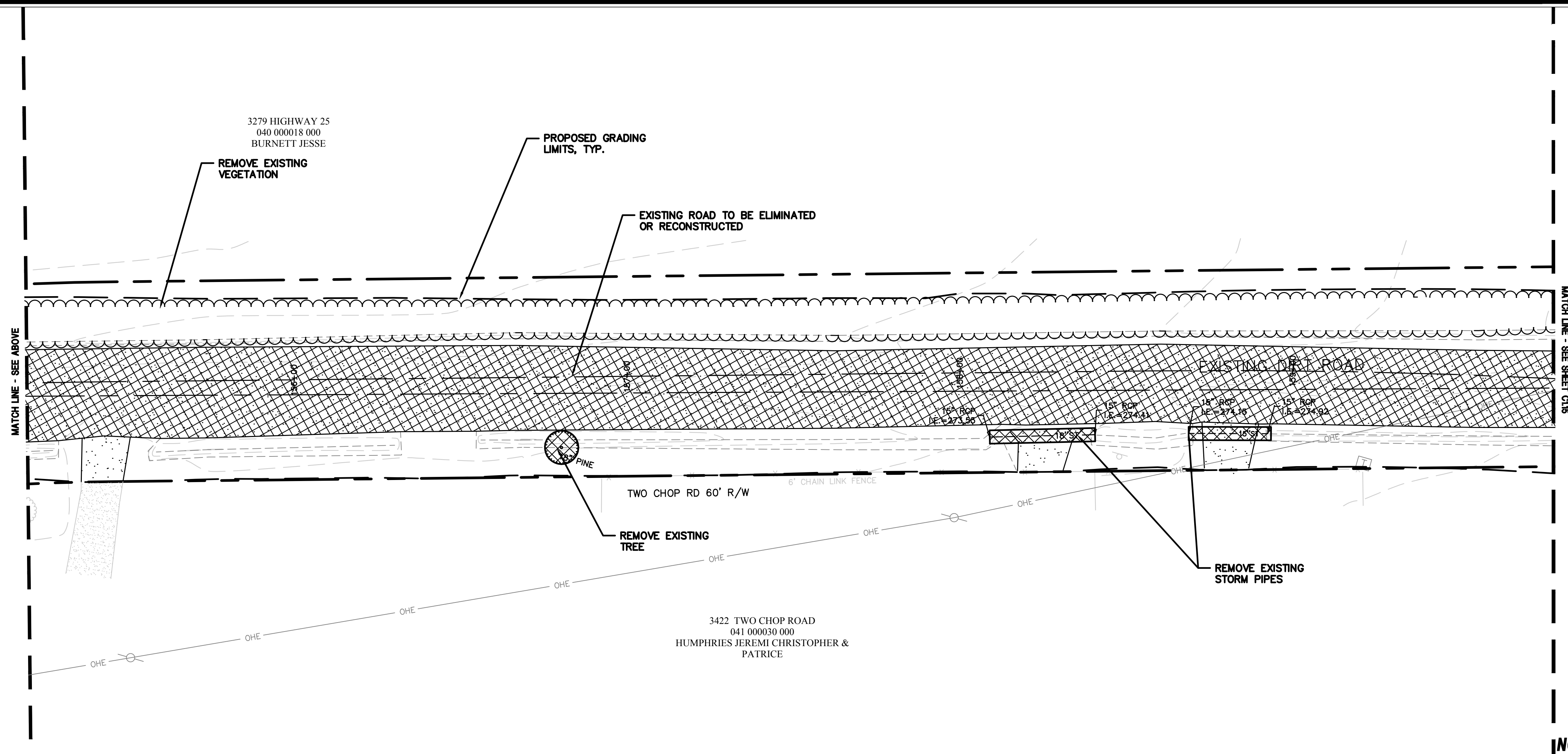
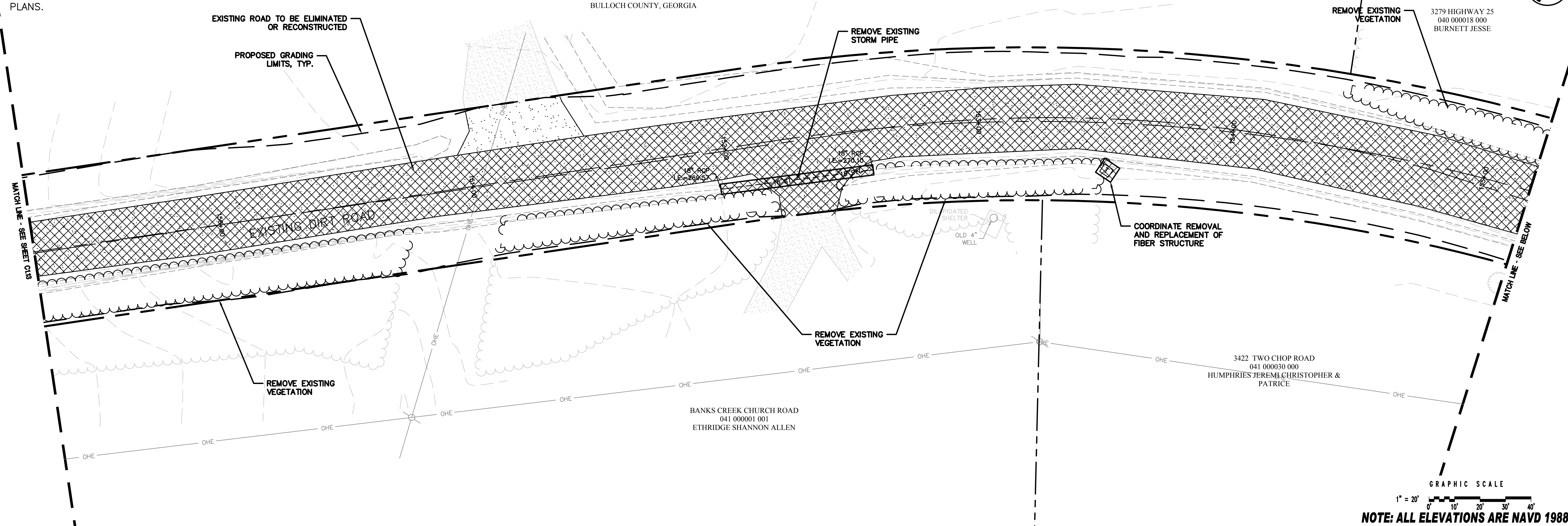
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.13

NOTE:
ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND NOT MARKED FOR REMOVAL ON THESE PLANS.

3415 TWO CHOP ROAD
040 000018 001
BOARD OF COMMISSIONERS OF
BULLOCH COUNTY, GEORGIA



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

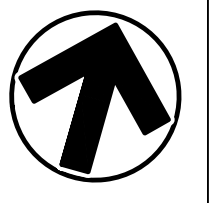
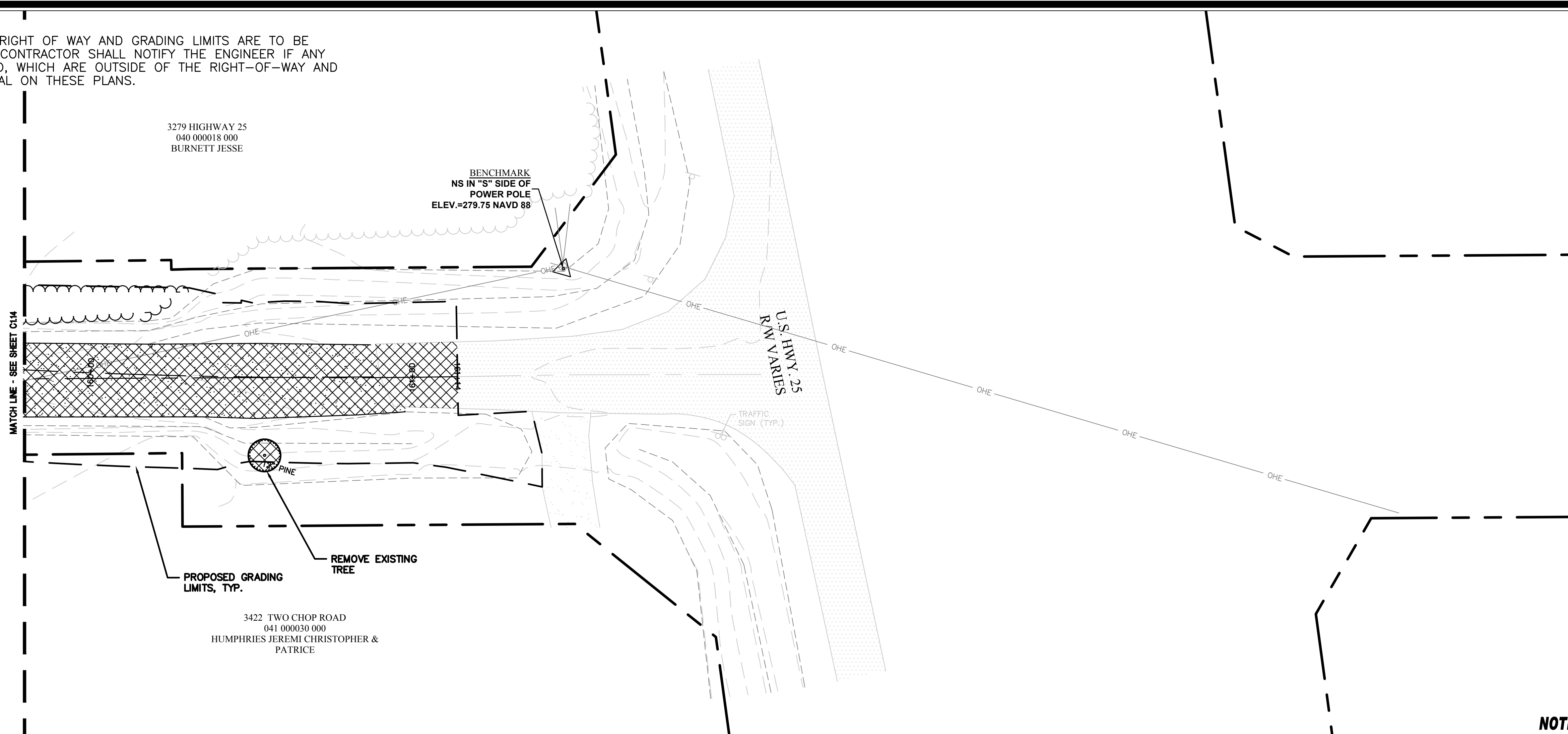
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.14

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

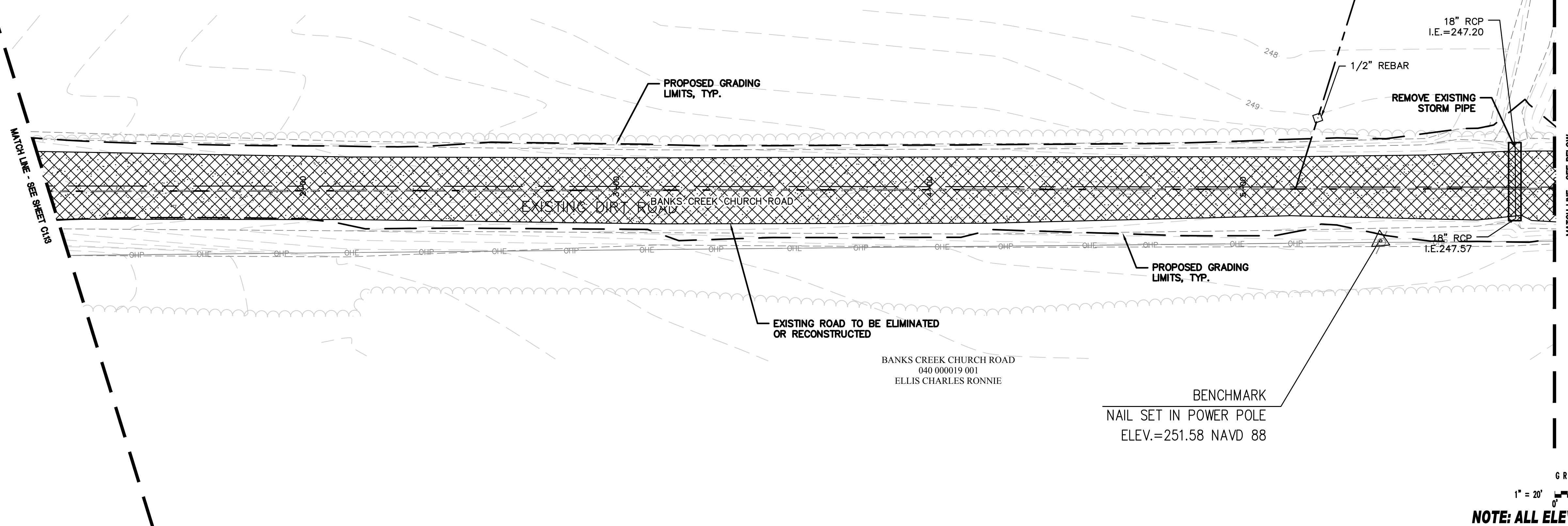
DRAWING NUMBER
C1.15

GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.

BANKS CREEK CHURCH ROAD
 040 000022 000
 LAWLER SHARON ROBERTSON & ETAL

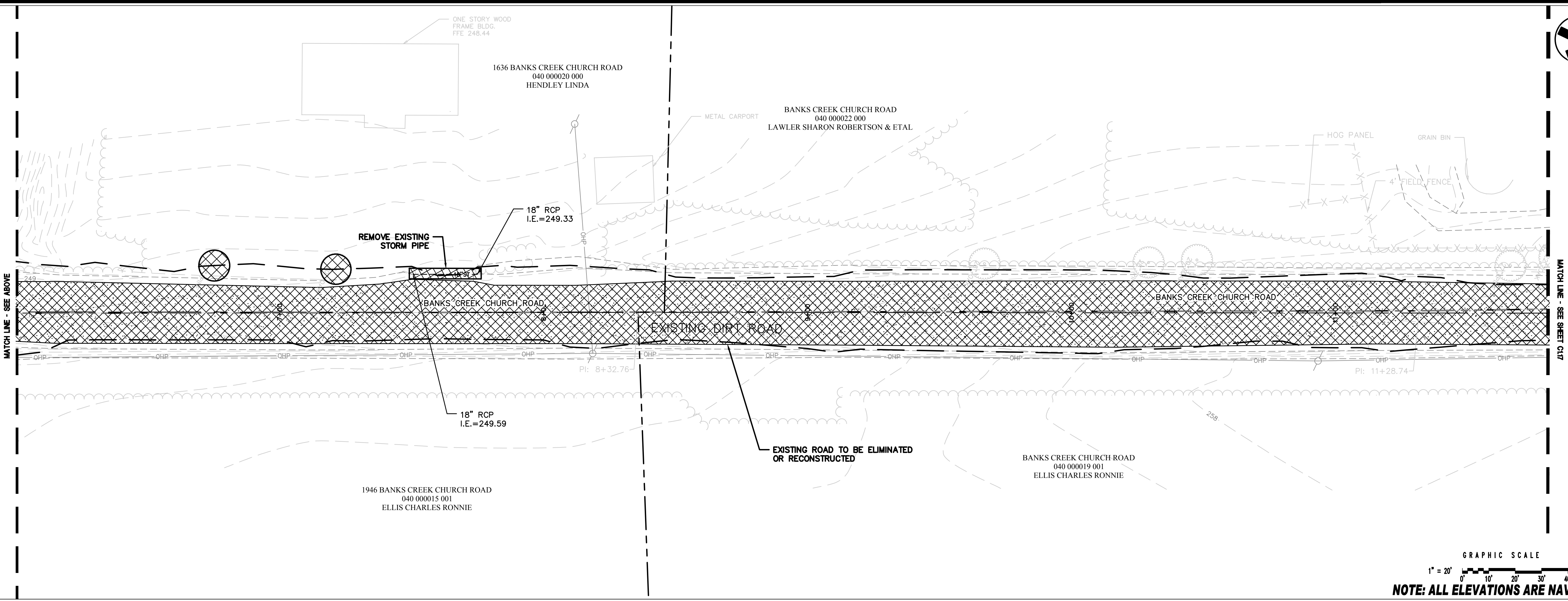
BANKS CREEK CHURCH ROAD
 040 000022 000
 LAWLER SHARON ROBERTSON & ETAL



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

ONE STORY WOOD
 FRAME BLDG.
 FFE 248.44
 1636 BANKS CREEK CHURCH ROAD
 040 000020 000
 HENDLEY LINDA

BANKS CREEK CHURCH ROAD
 040 000022 000
 LAWLER SHARON ROBERTSON & ETAL



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
 Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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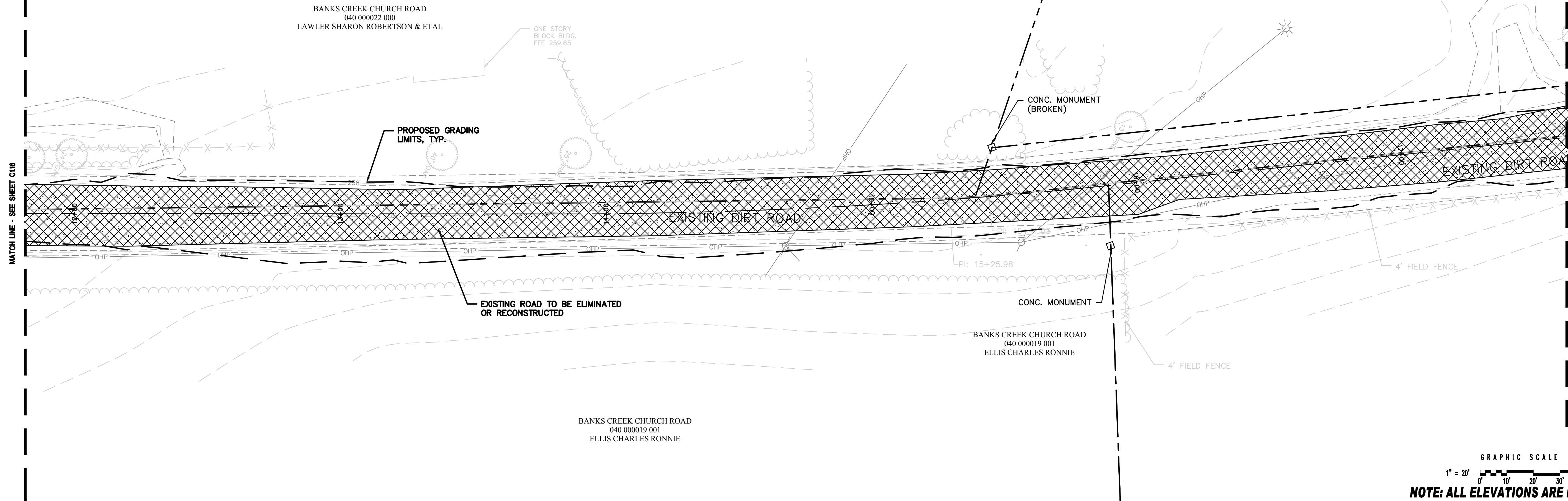
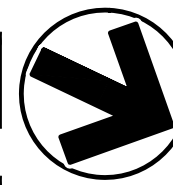
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 EXISTING CONDITIONS & DEMOLITION PLAN

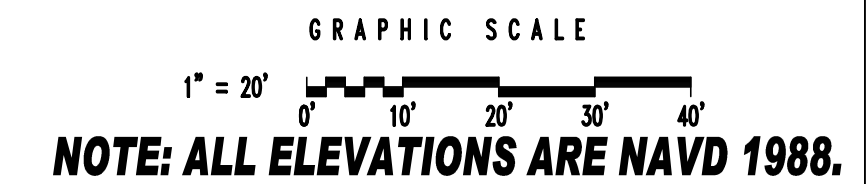
DRAWING NUMBER
C1.16

NOTE:
 ONLY TREES INSIDE THE RIGHT OF WAY AND GRADING LIMITS ARE TO BE
 CLEARED AND GRUBBED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY
 TREES MUST BE REMOVED, WHICH ARE OUTSIDE OF THE RIGHT-OF-WAY AND
 NOT MARKED FOR REMOVAL ON THESE PLANS.

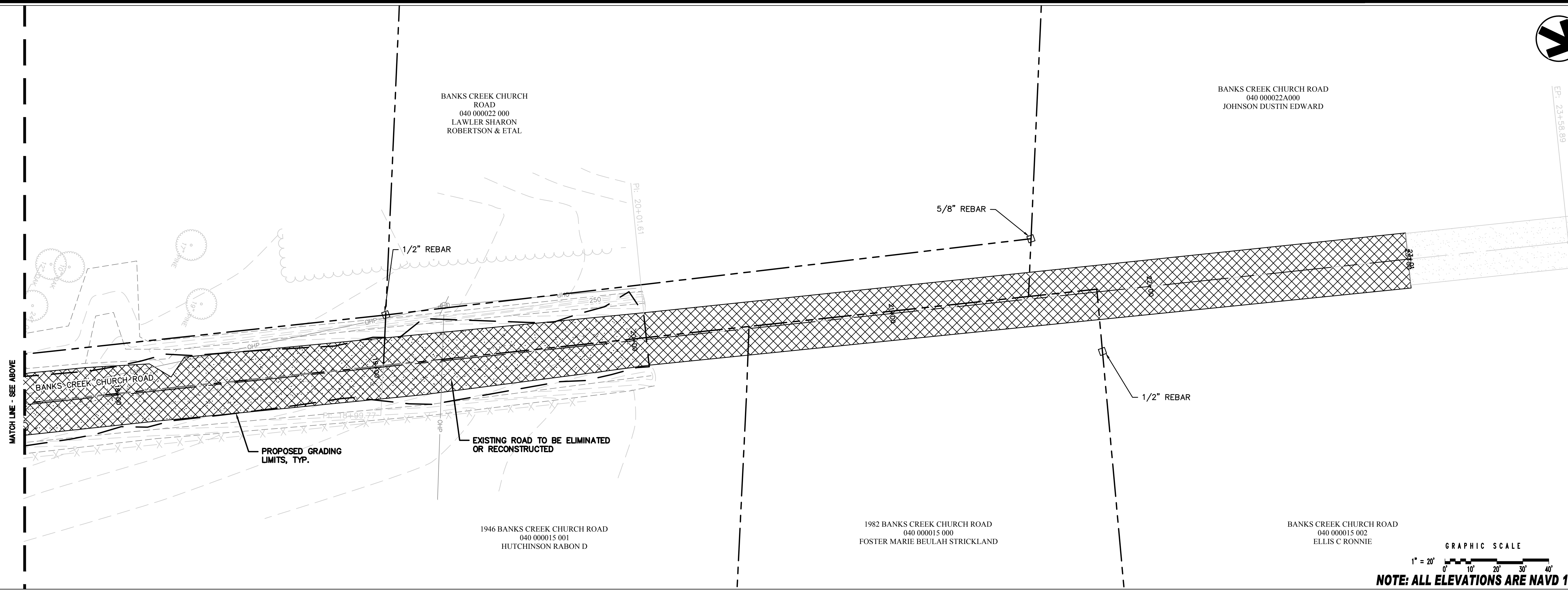
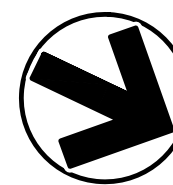
MATCH LINE - SEE SHEET C16



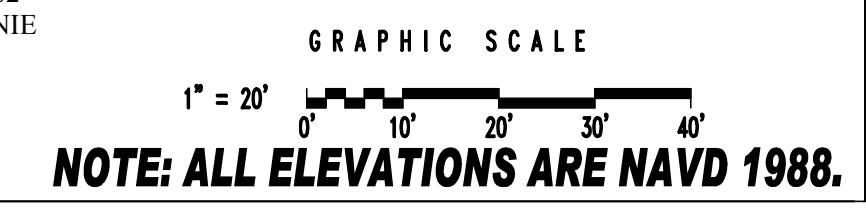
MATCH LINE - SEE BELOW



MATCH LINE - SEE ABOVE



MATCH LINE - SEE BELOW



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

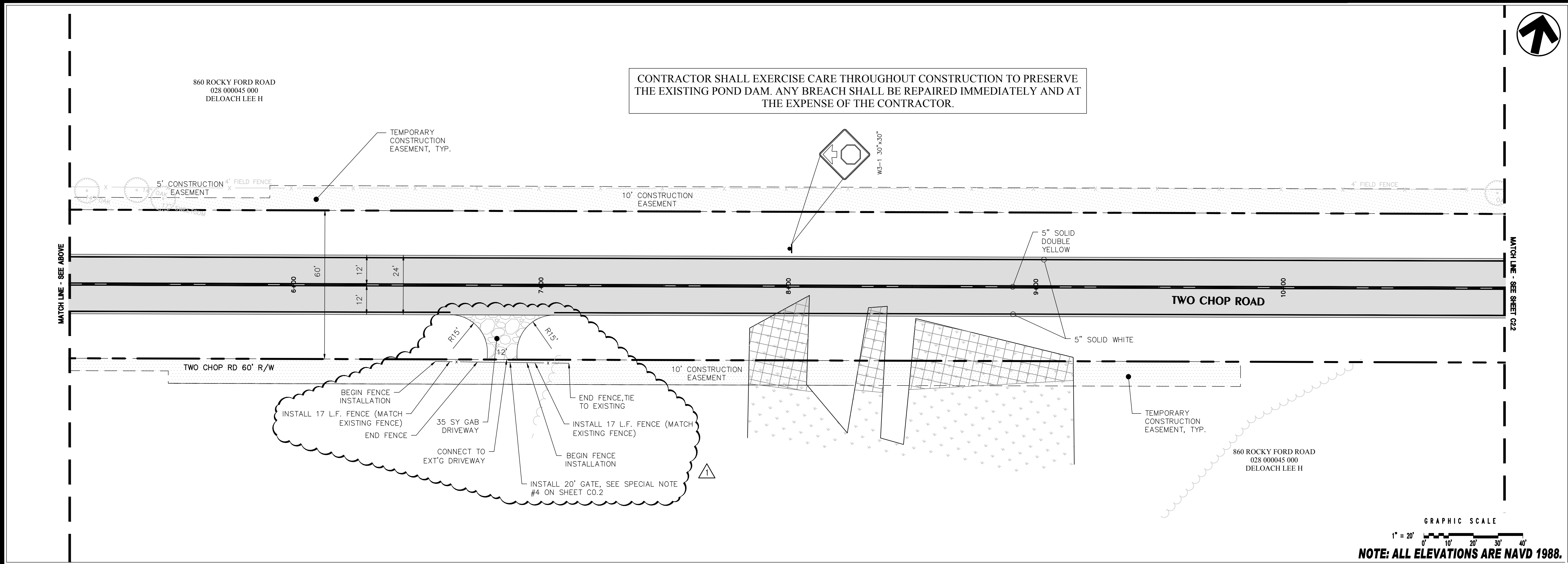
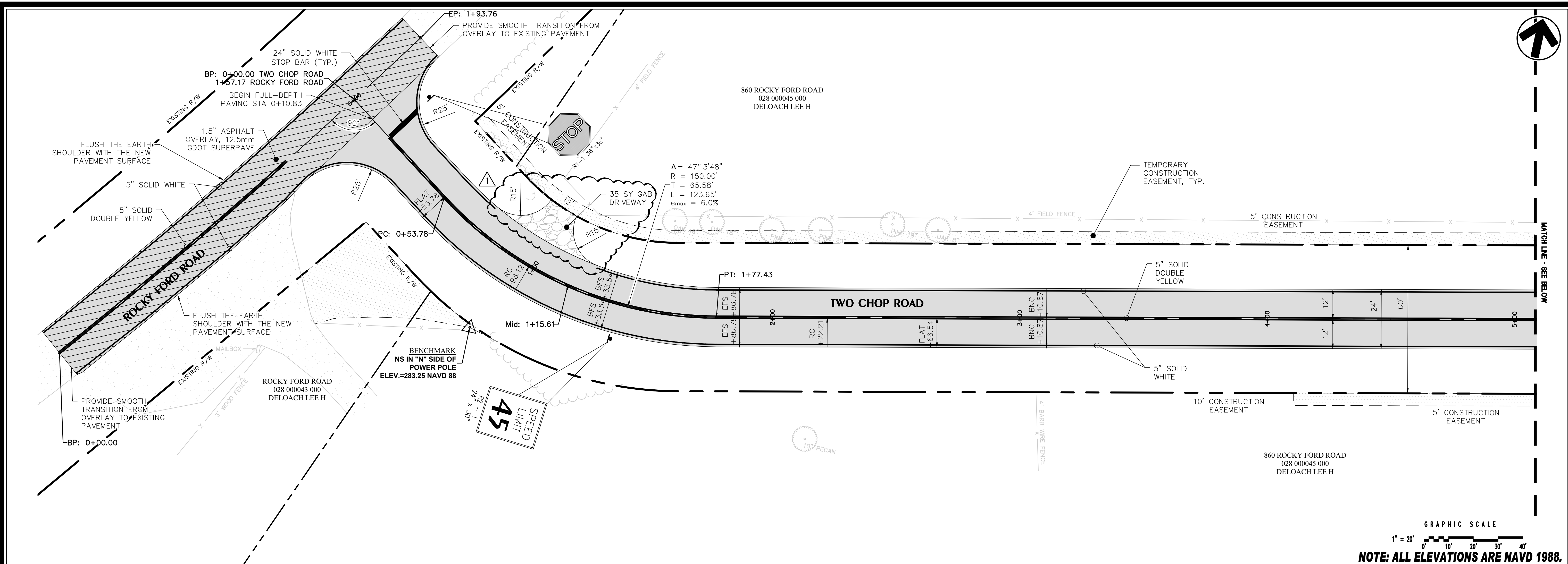
REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING NUMBER
C1.17



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

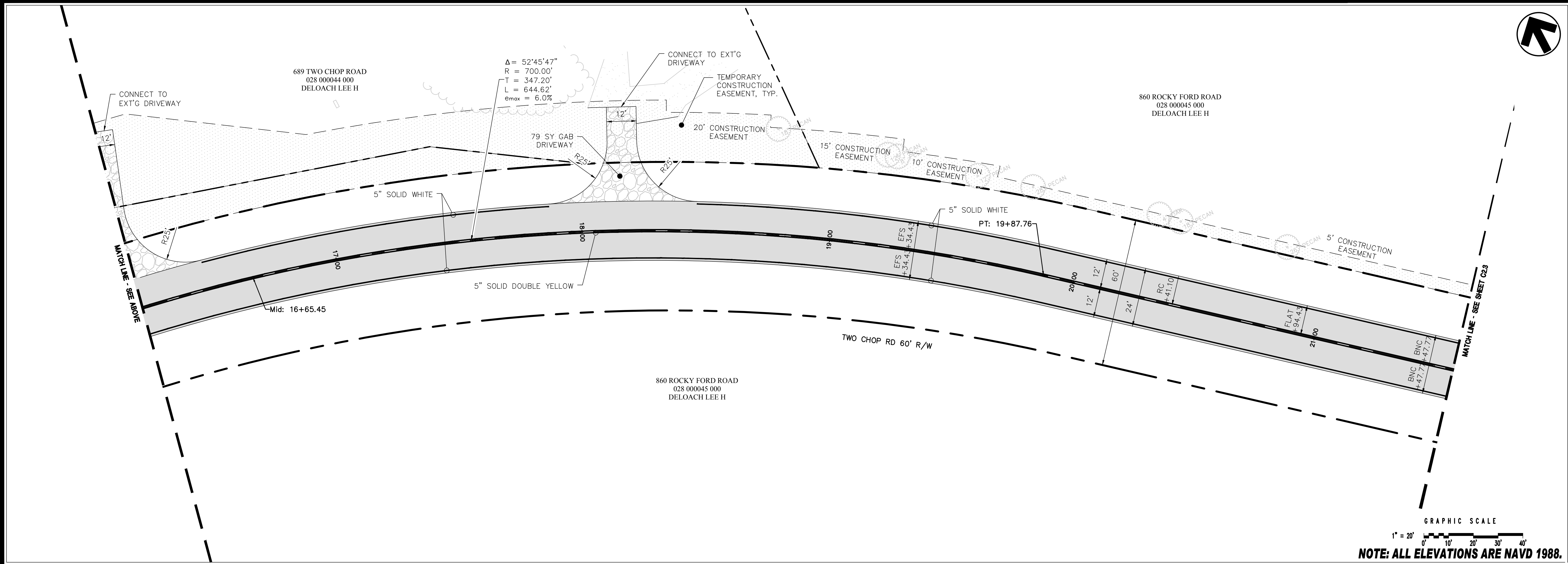
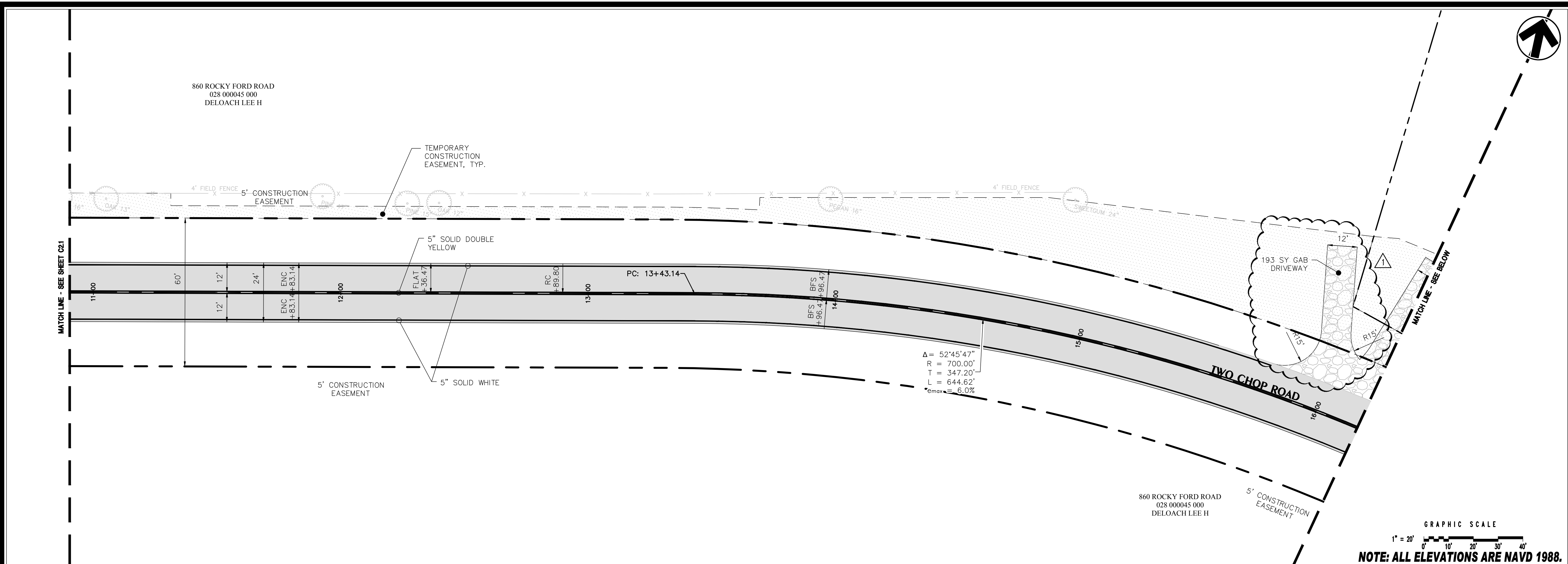
REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.1



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

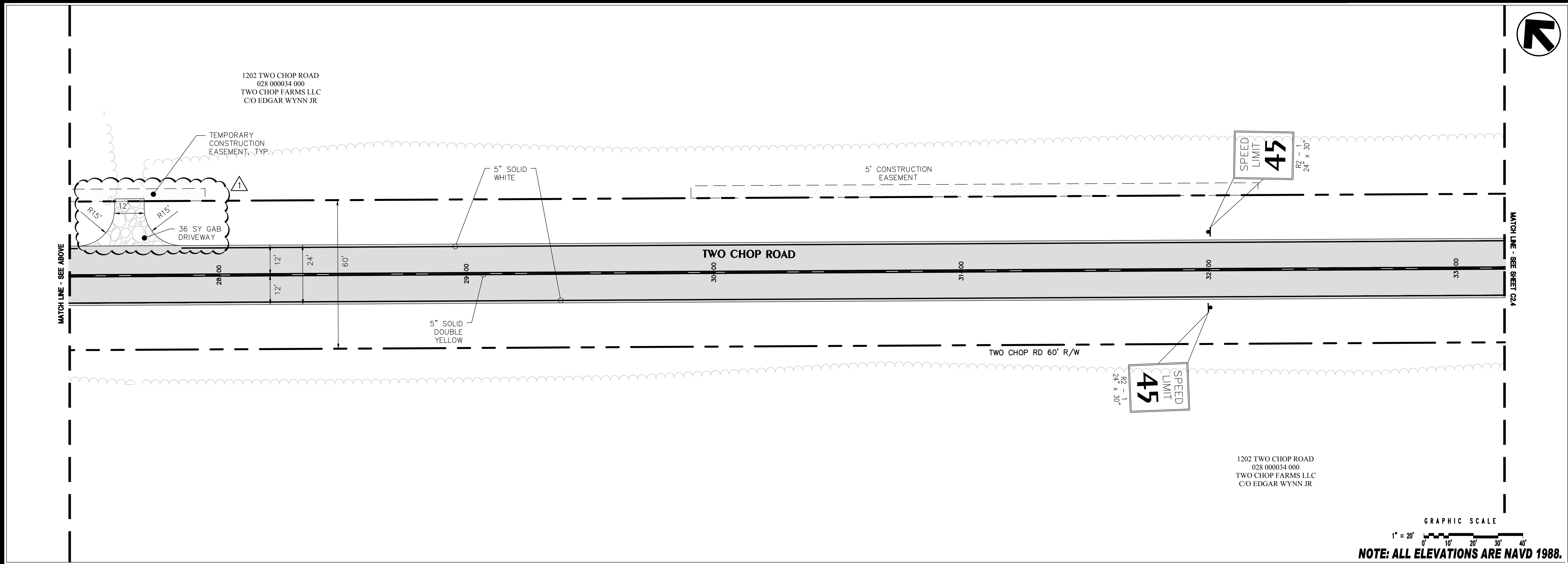
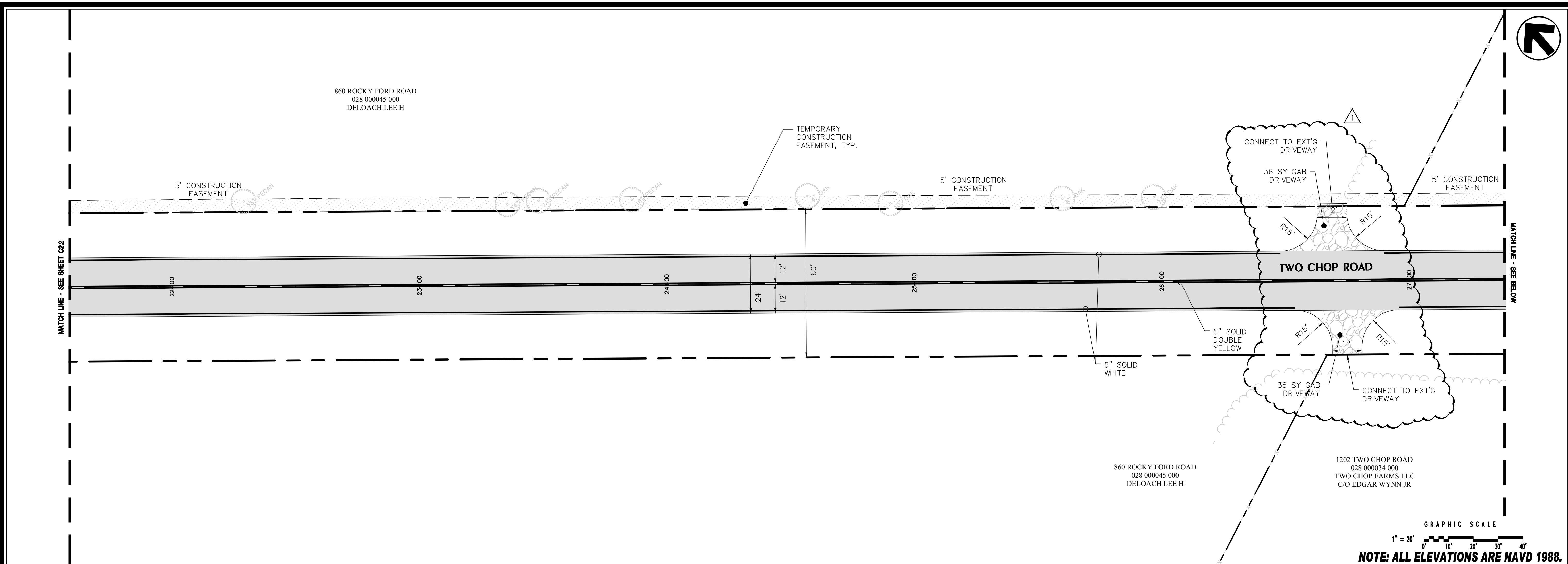
REVISIONS:

Δ	07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.2



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

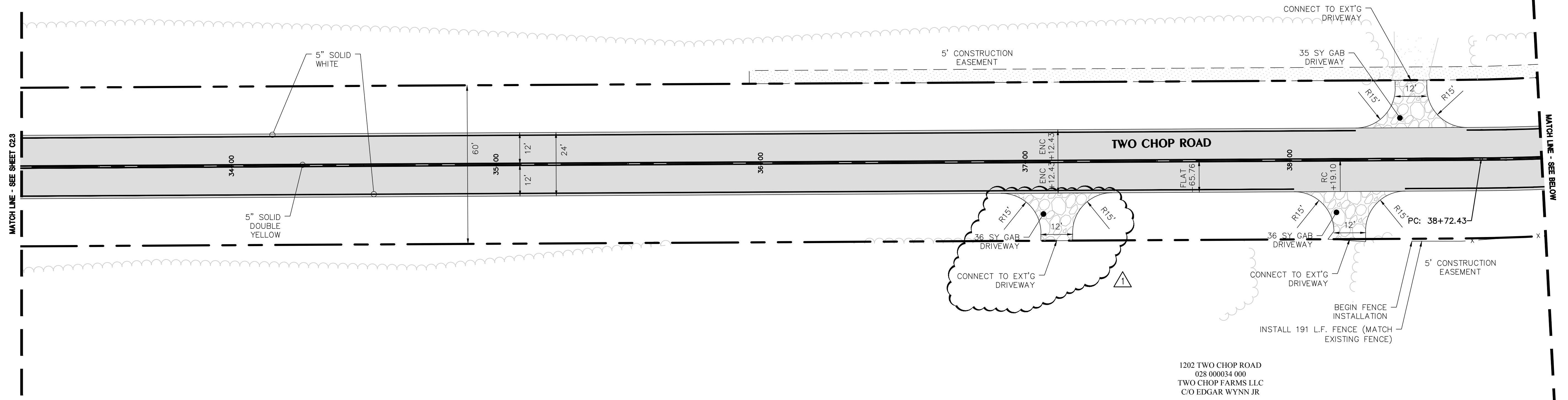
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

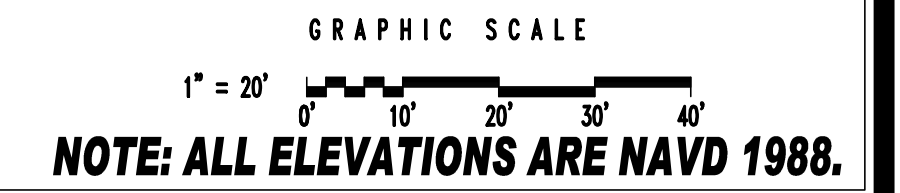
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.3

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

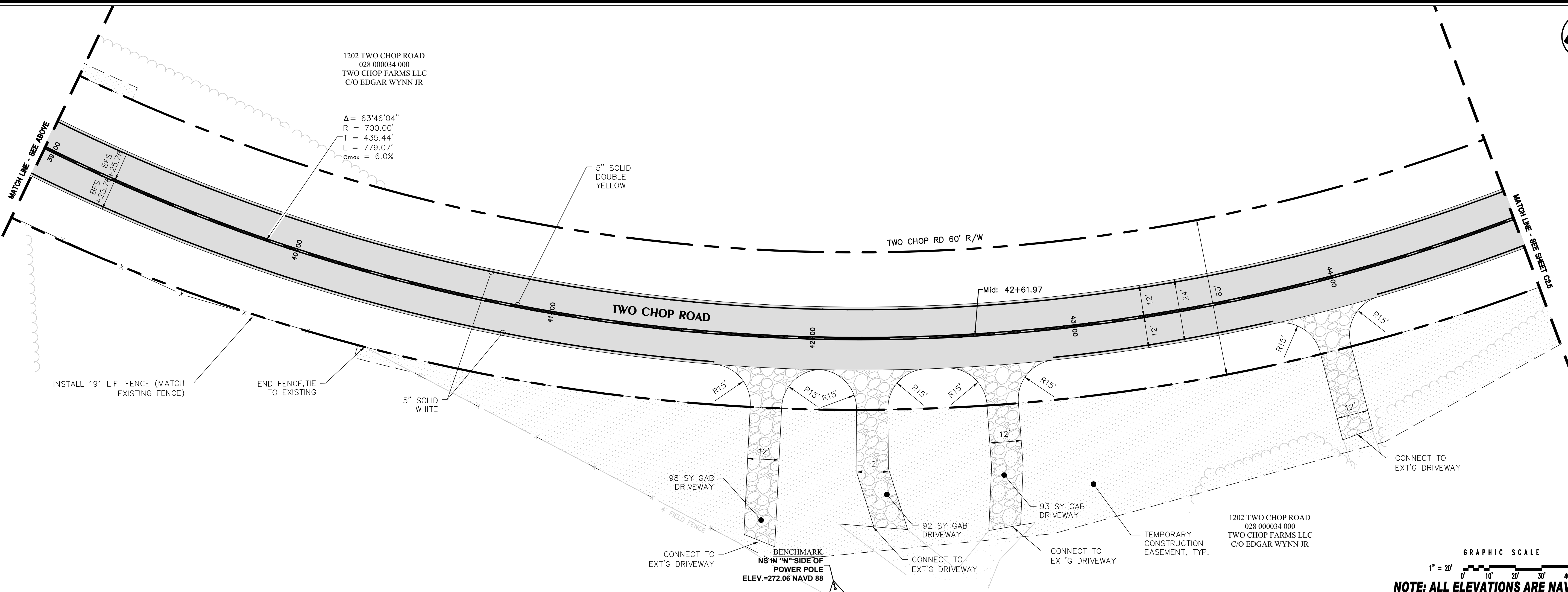


1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

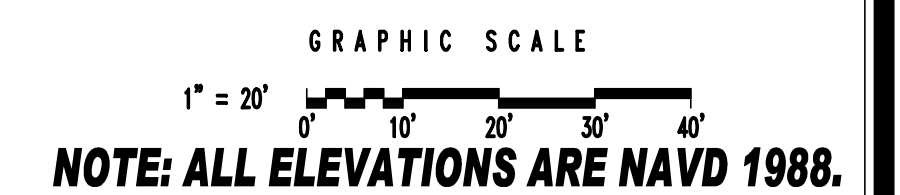


1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

$\Delta = 63^{\circ}46'04''$
 $R = 700.00'$
 $T = 435.44'$
 $L = 779.07'$
 $e_{max} = 6.0\%$



1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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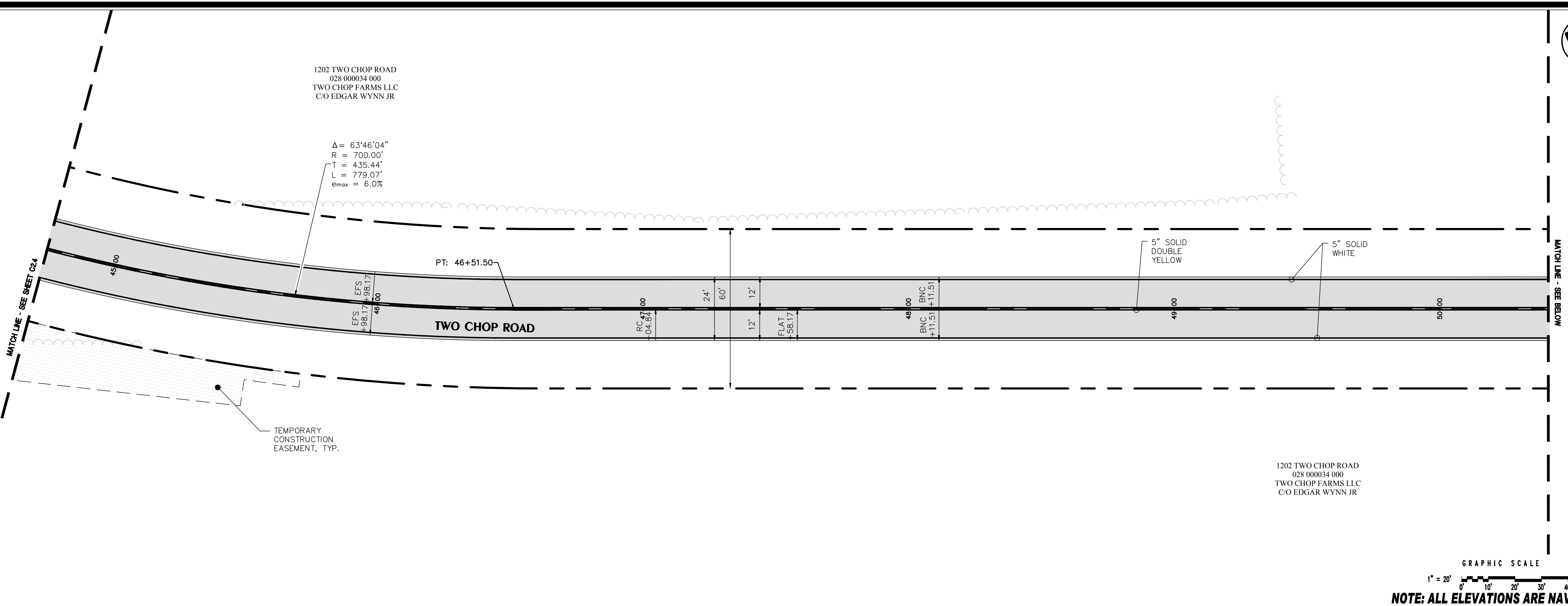
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.4

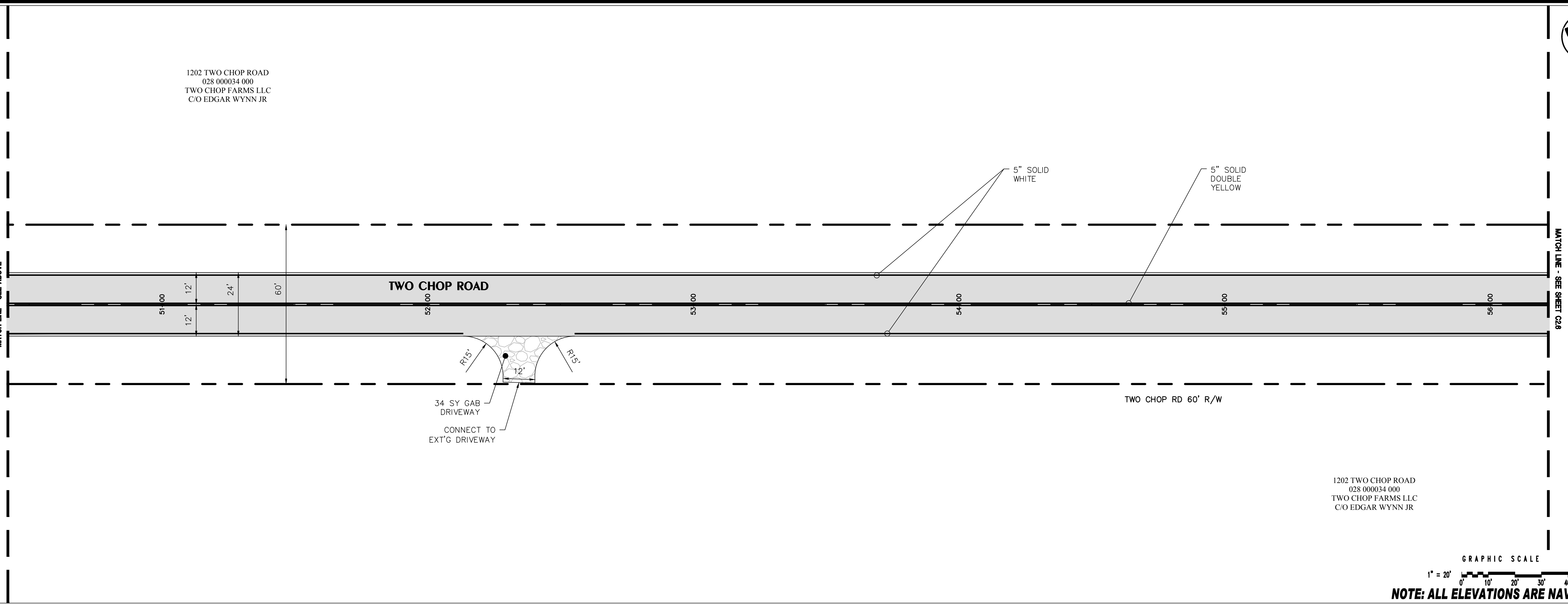
1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

$\Delta = 63'46''04''$
 $R = 700.00'$
 $T = 435.44'$
 $L = 779.07'$
 $e_{max} = 6.0\%$

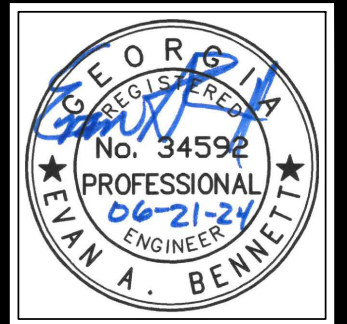


GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

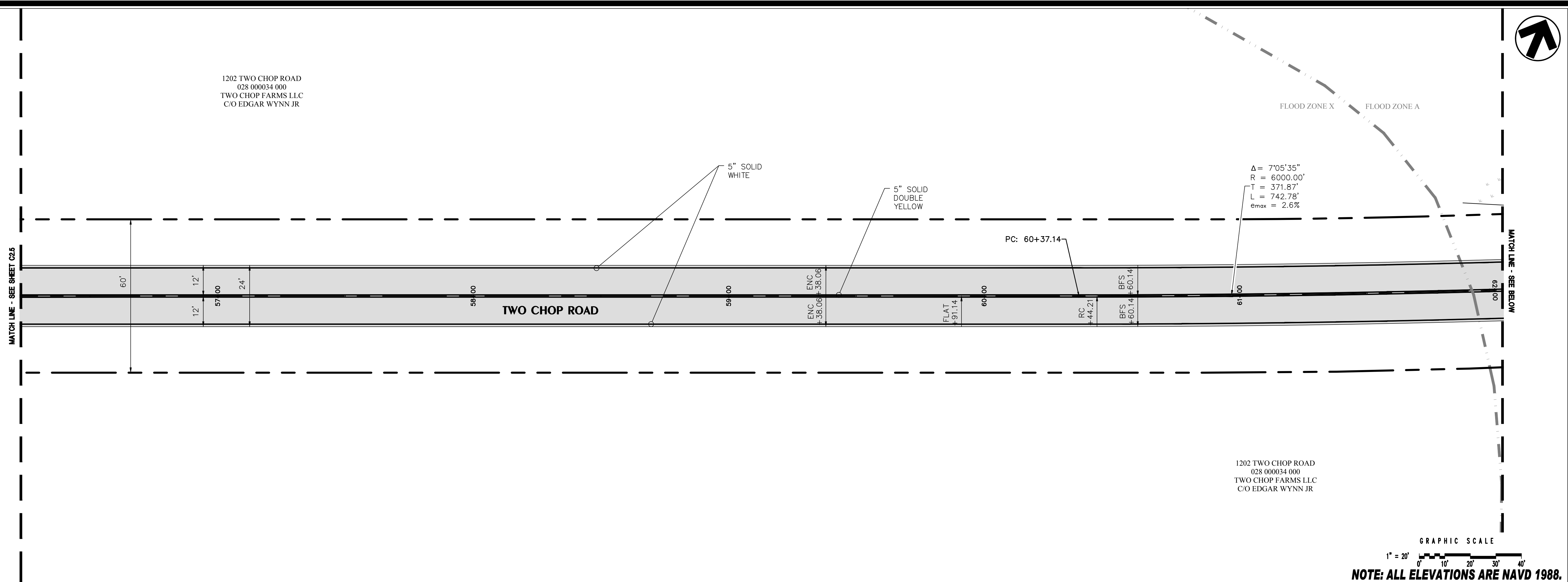
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

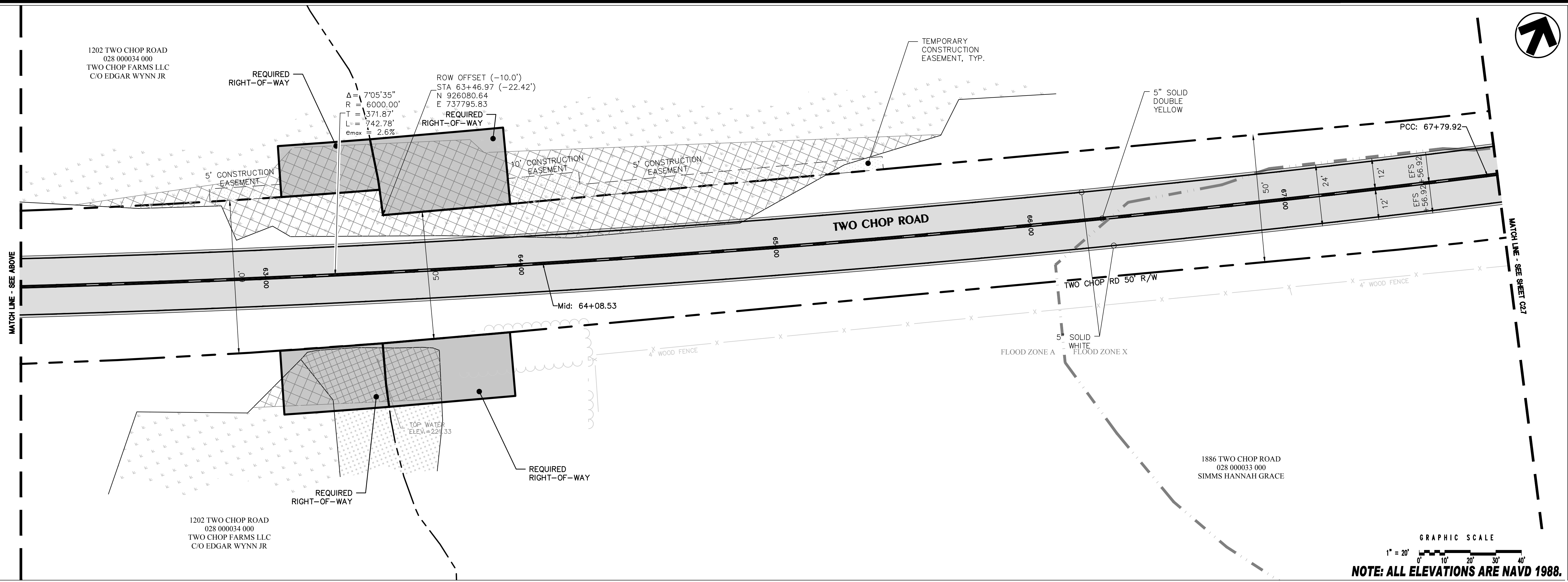
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C25

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR



1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR



1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

1886 TWO CHOP ROAD
028 000033 000
SIMMS HANNAH GRACE



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

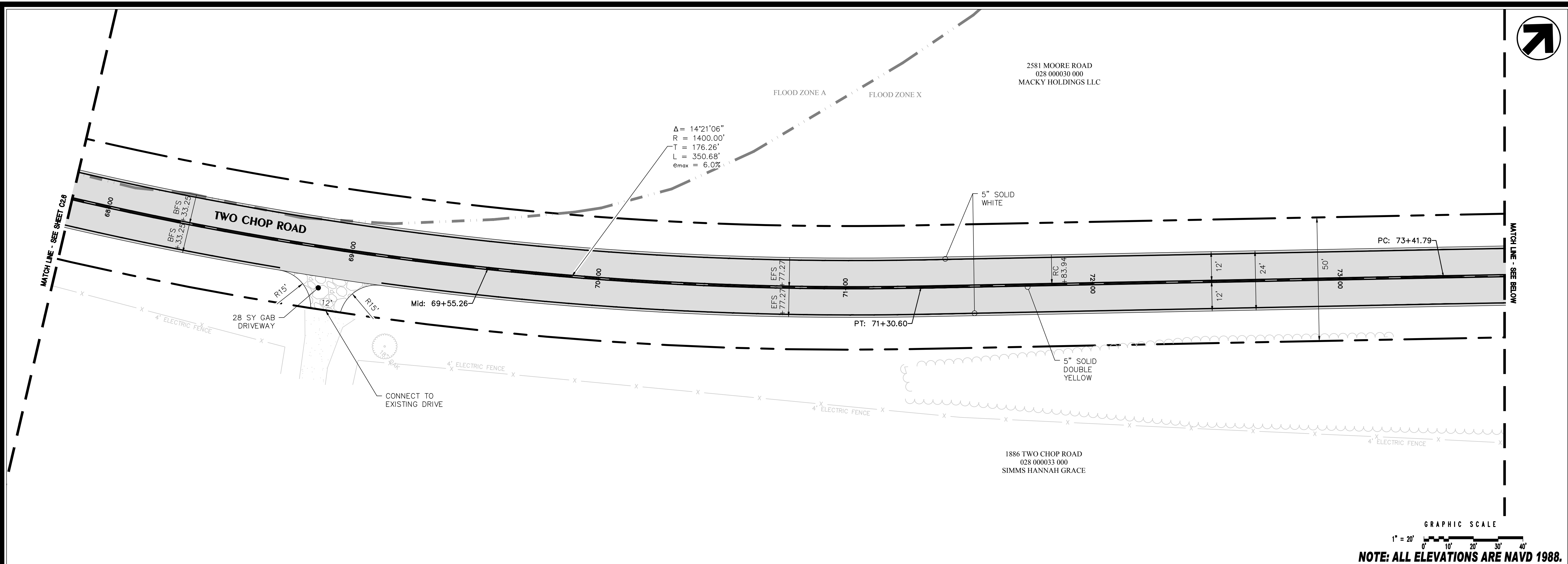
REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

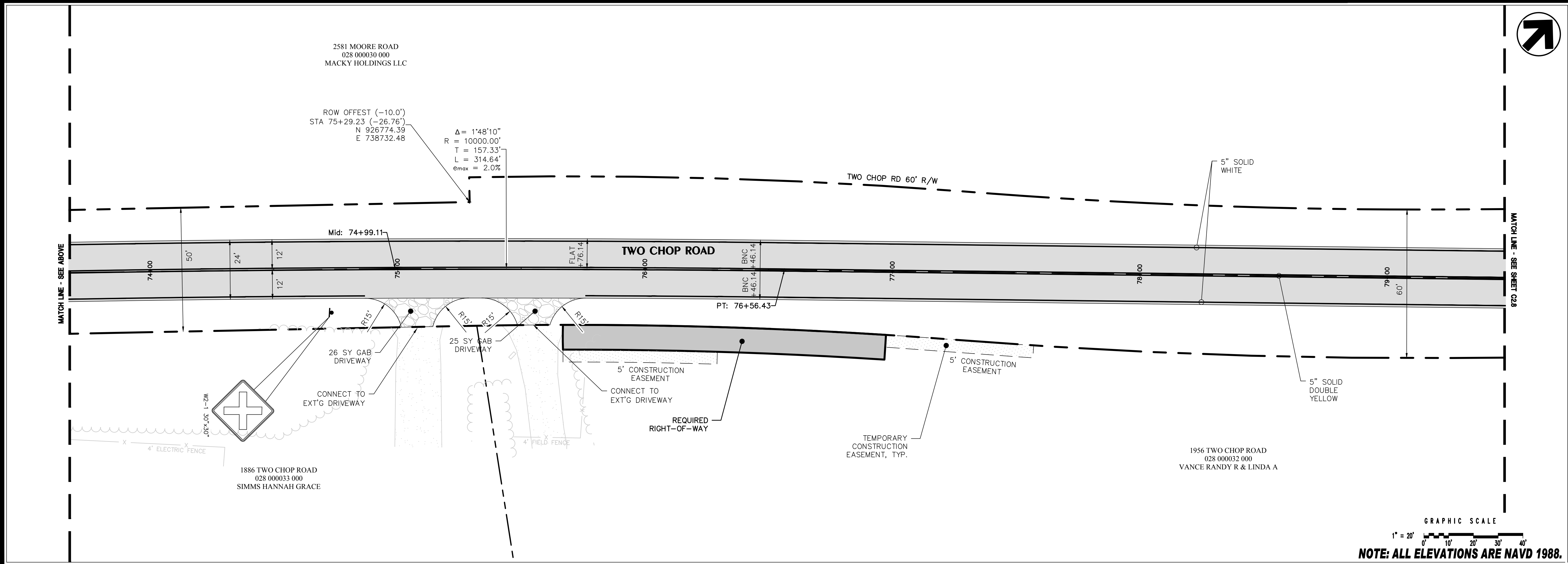
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER

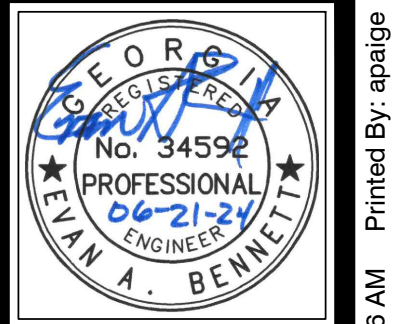
C2.6



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

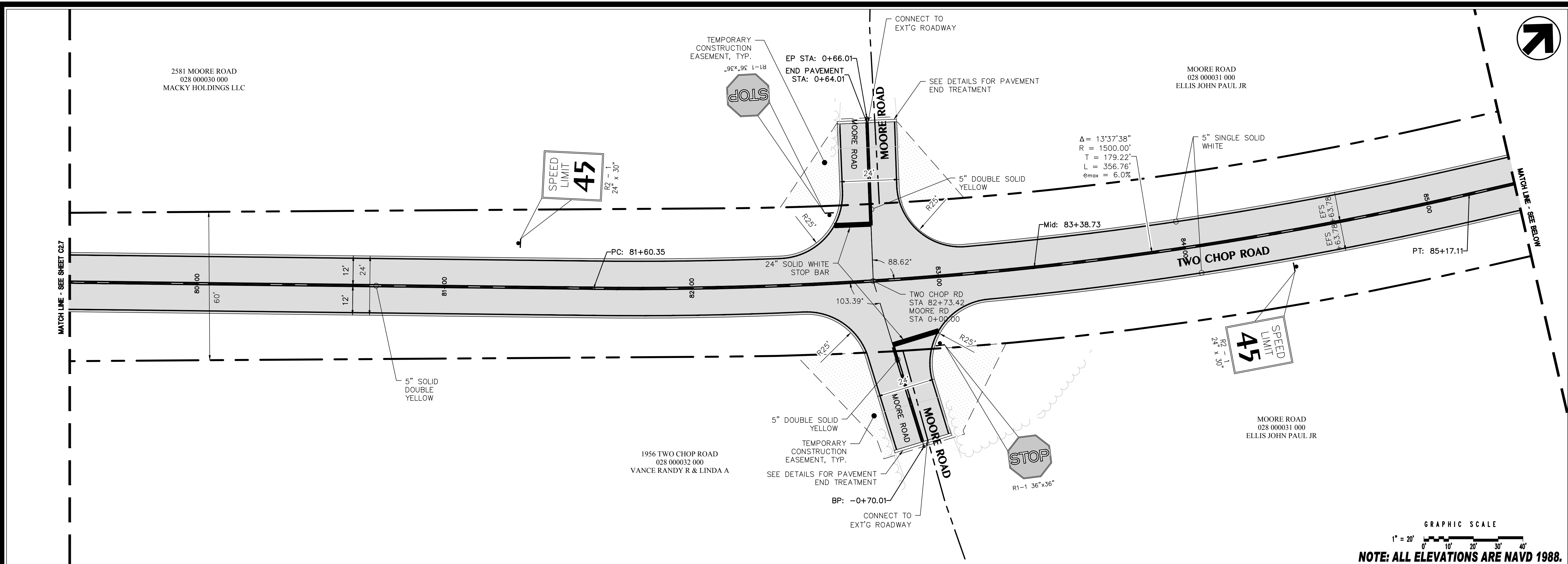
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

DATE: JUNE 21, 2024
 JOB NO. 122148117
 SCALE: 1" = 20'

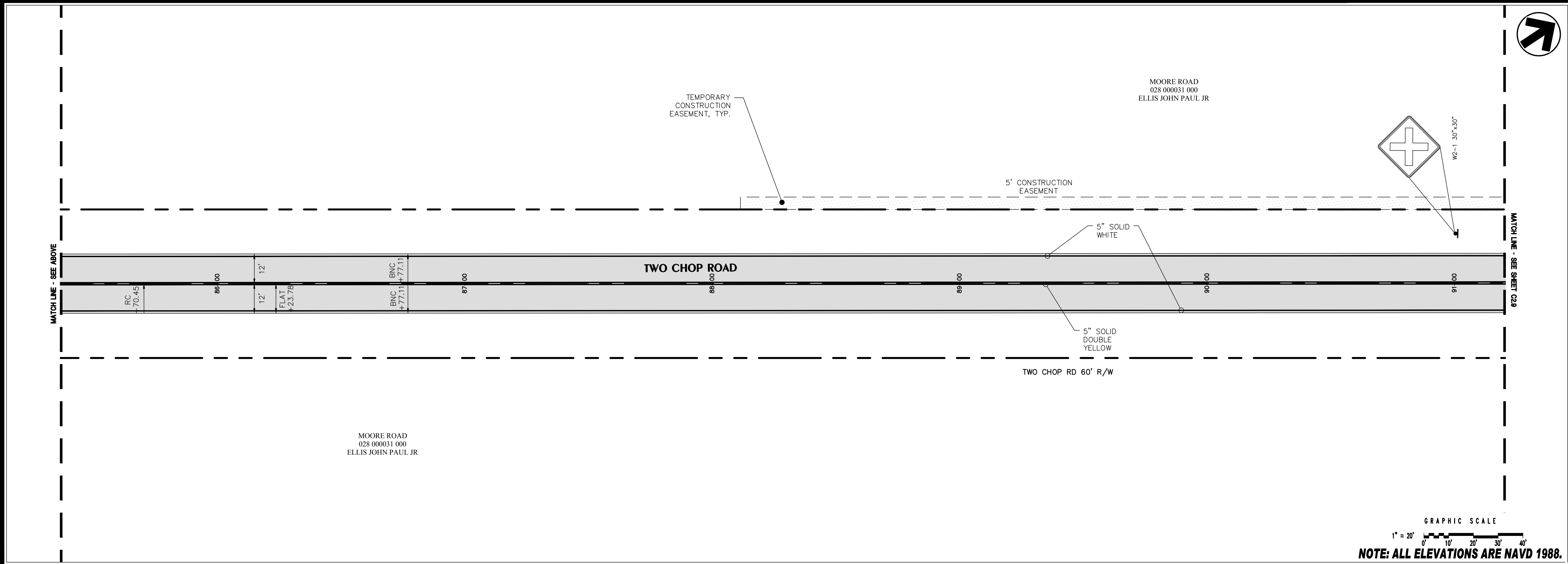
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.7



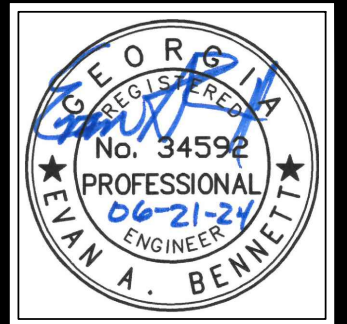
GRAPHIC SCALE
1" = 20'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

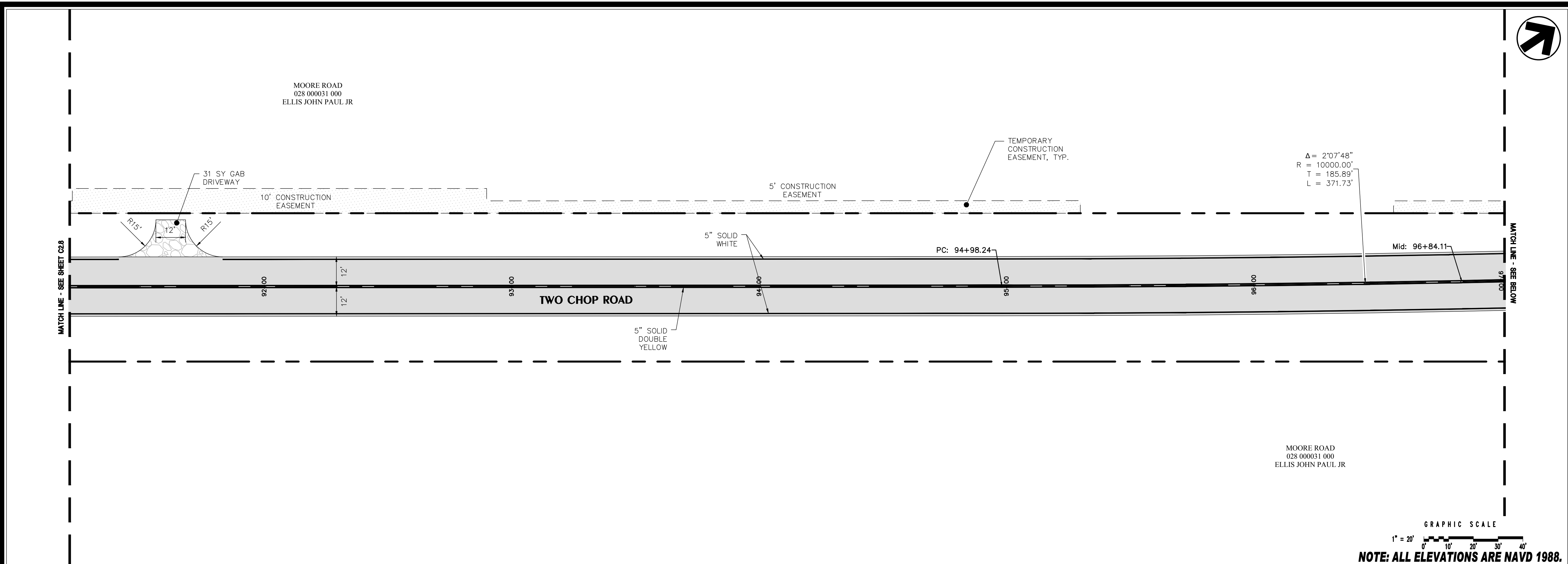
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA

FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS

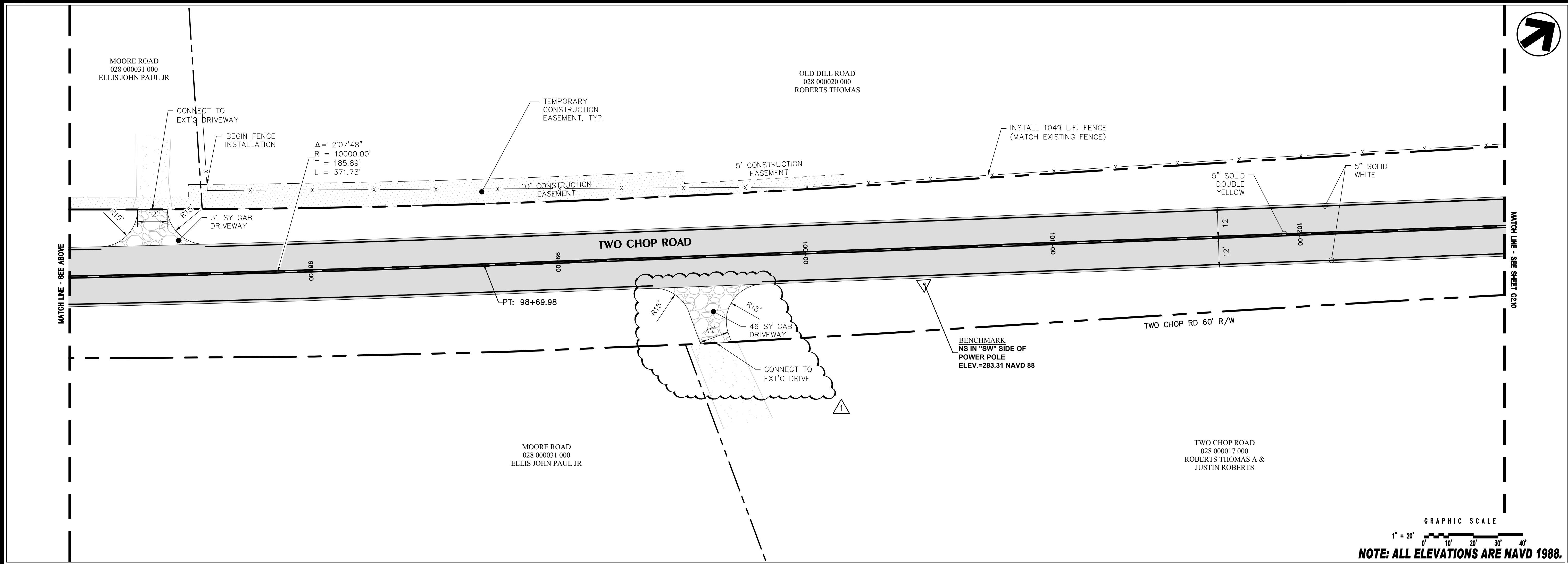
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.8



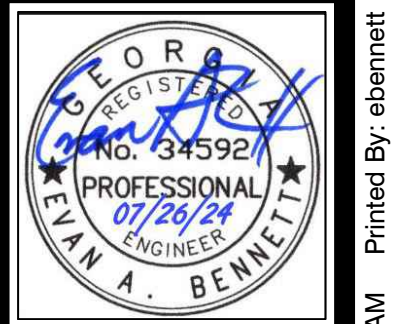
GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

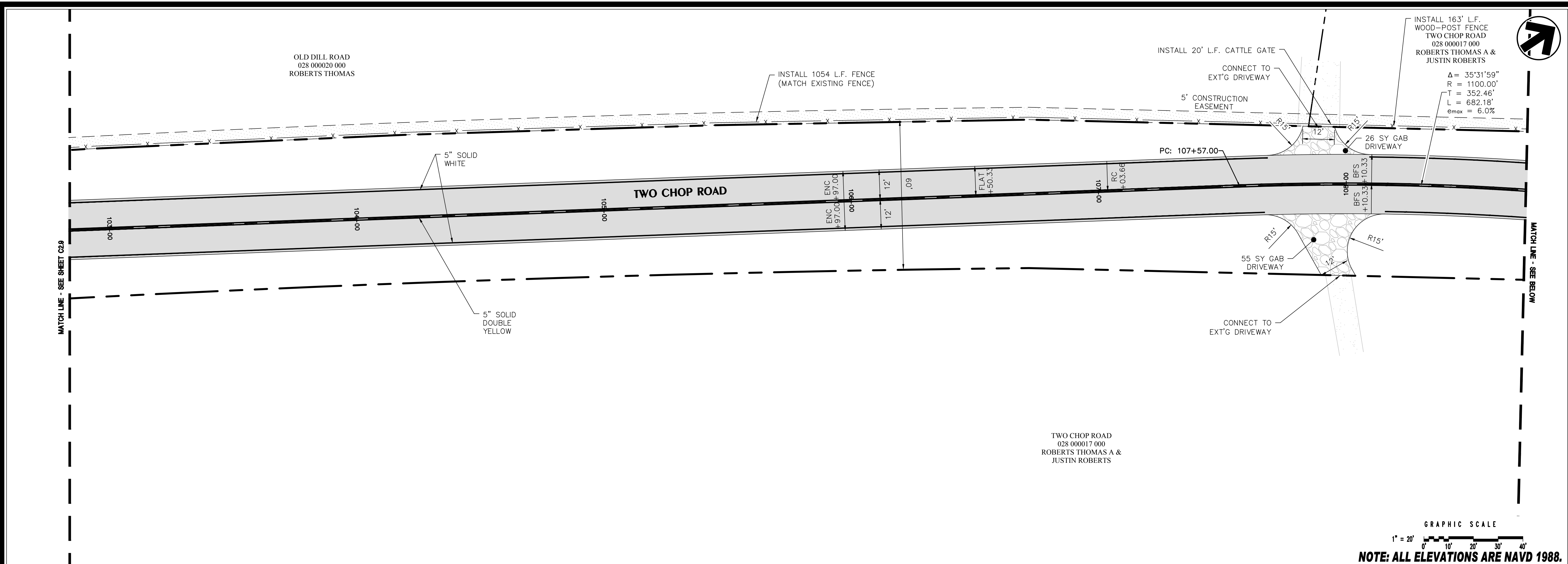
REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.9



OLD DILL ROAD
028 000020 000
ROBERTS THOMAS

INSTALL 1054 L.F. FENCE
(MATCH EXISTING FENCE)

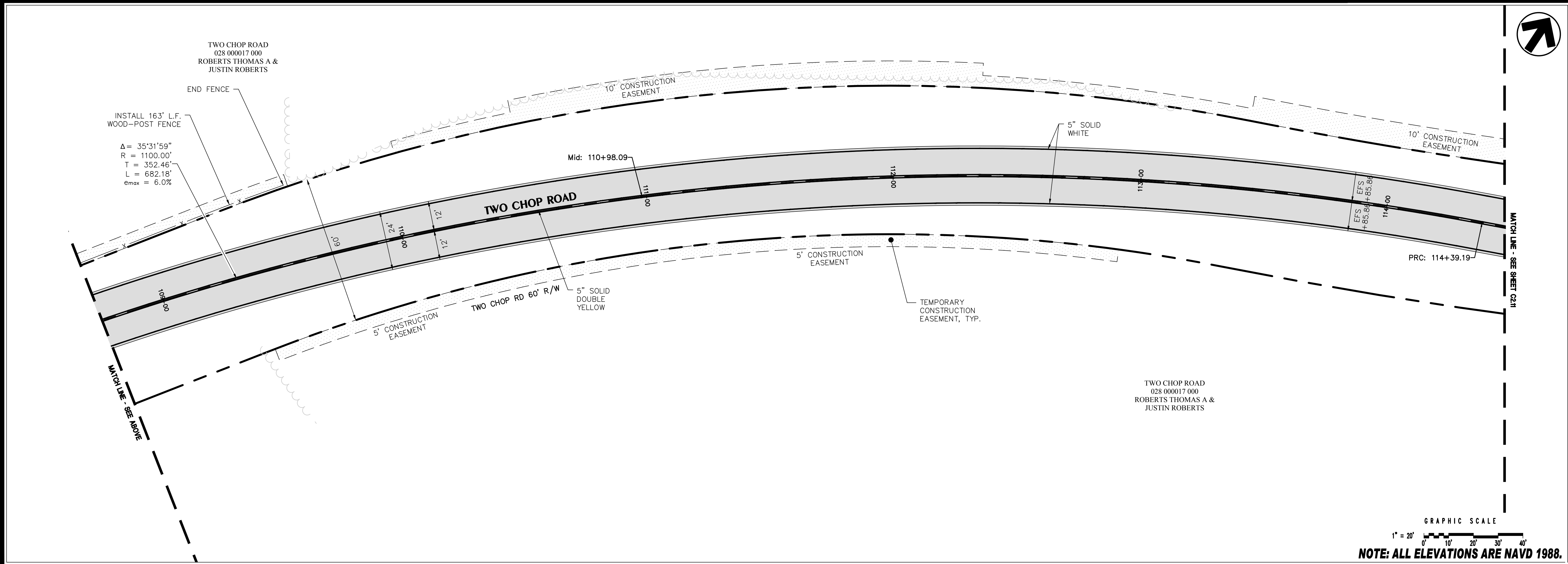
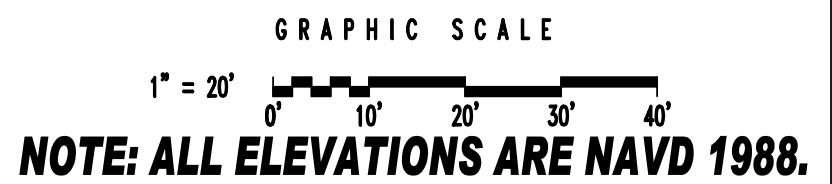
INSTALL 20' L.F. CATTLE GATE
CONNECT TO
EXT'G DRIVEWAY

INSTALL 163' L.F.
WOOD-POST FENCE
TWO CHOP ROAD
028 000017 000
ROBERTS THOMAS A &
JUSTIN ROBERTS

$\Delta = 35^\circ 31' 59''$
 $R = 1100.00'$
 $T = 352.46'$
 $L = 682.18'$
 $e_{max} = 6.0\%$

TWO CHOP ROAD

TWO CHOP ROAD
028 000017 000
ROBERTS THOMAS A &
JUSTIN ROBERTS



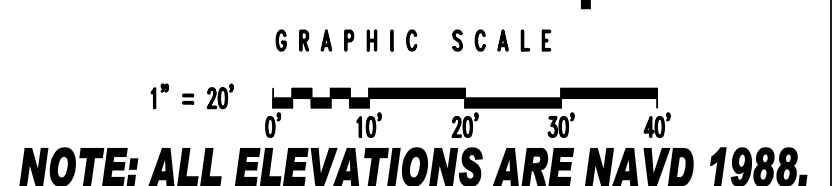
TWO CHOP ROAD
028 000017 000
ROBERTS THOMAS A &
JUSTIN ROBERTS

INSTALL 163' L.F.
WOOD-POST FENCE

$\Delta = 35^\circ 31' 59''$
 $R = 1100.00'$
 $T = 352.46'$
 $L = 682.18'$
 $e_{max} = 6.0\%$

TWO CHOP ROAD

TWO CHOP ROAD
028 000017 000
ROBERTS THOMAS A &
JUSTIN ROBERTS



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.10



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

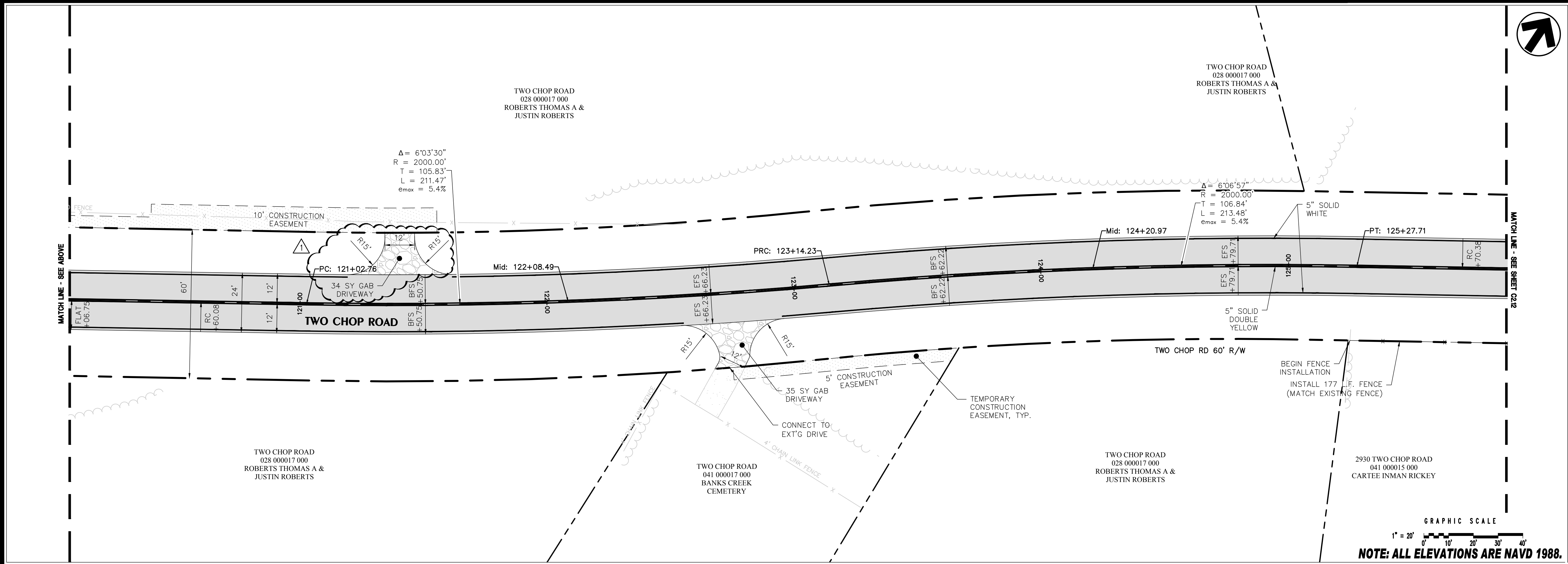
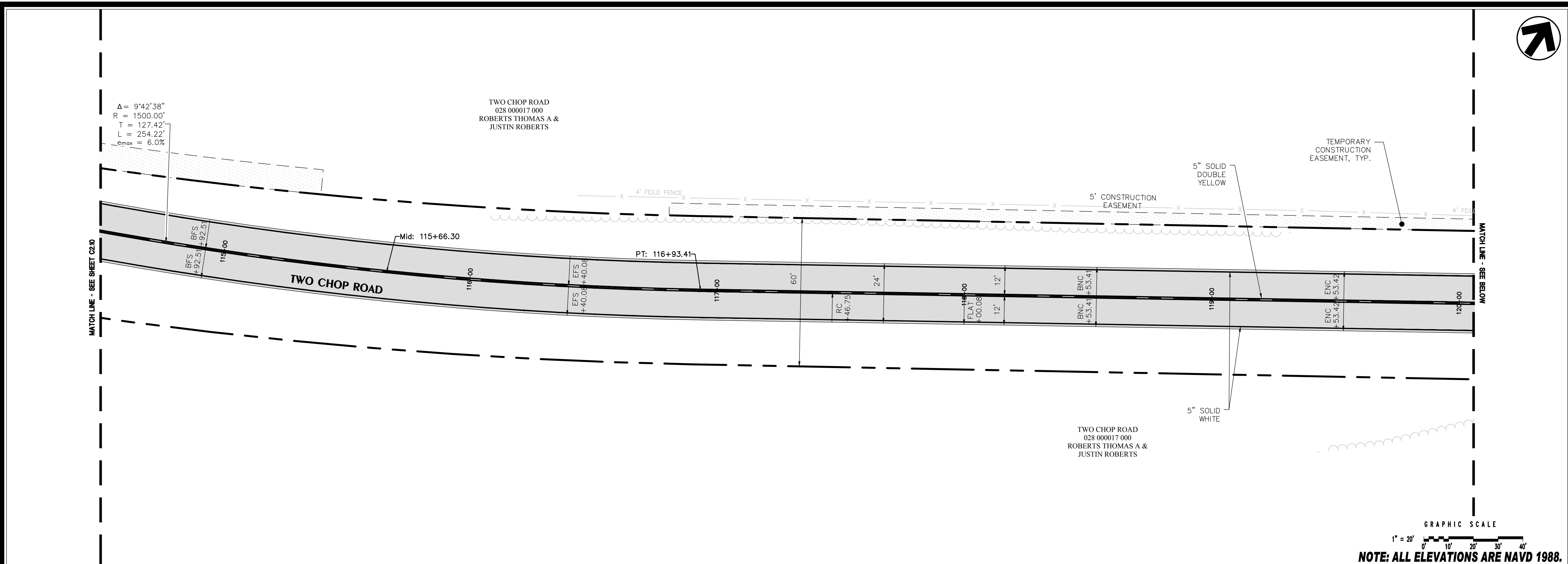
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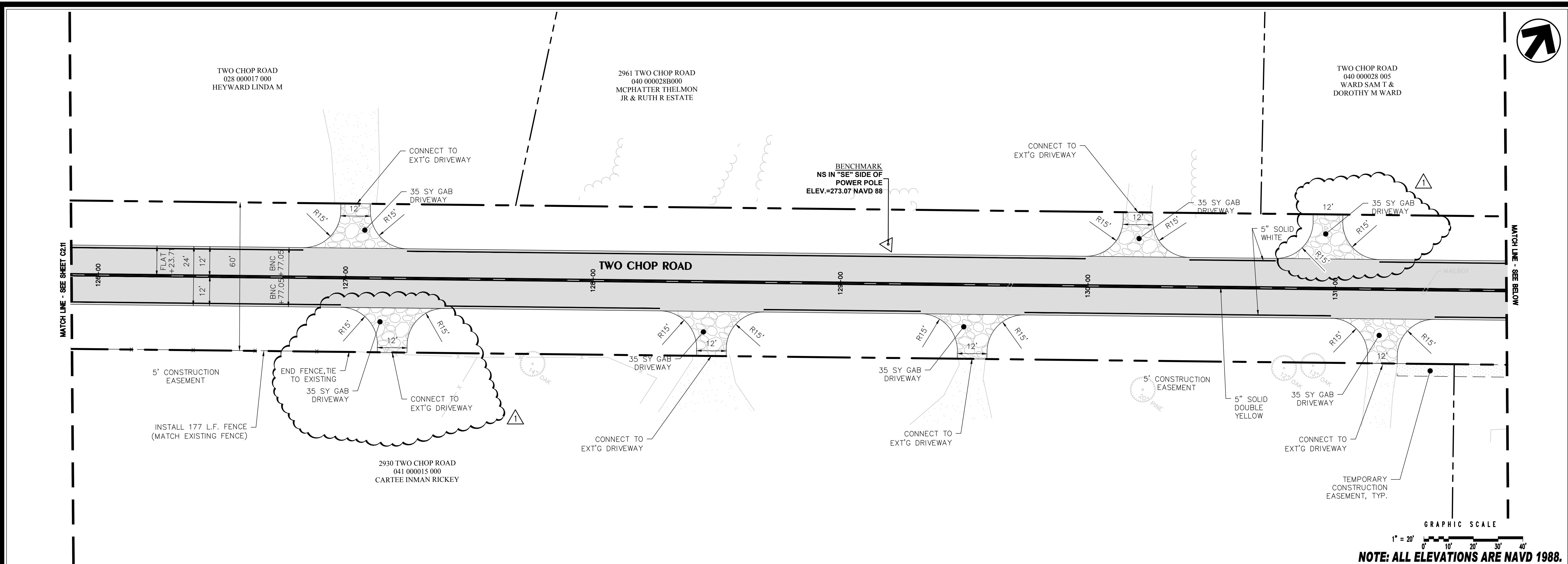
NO.	DATE	DESCRIPTION

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

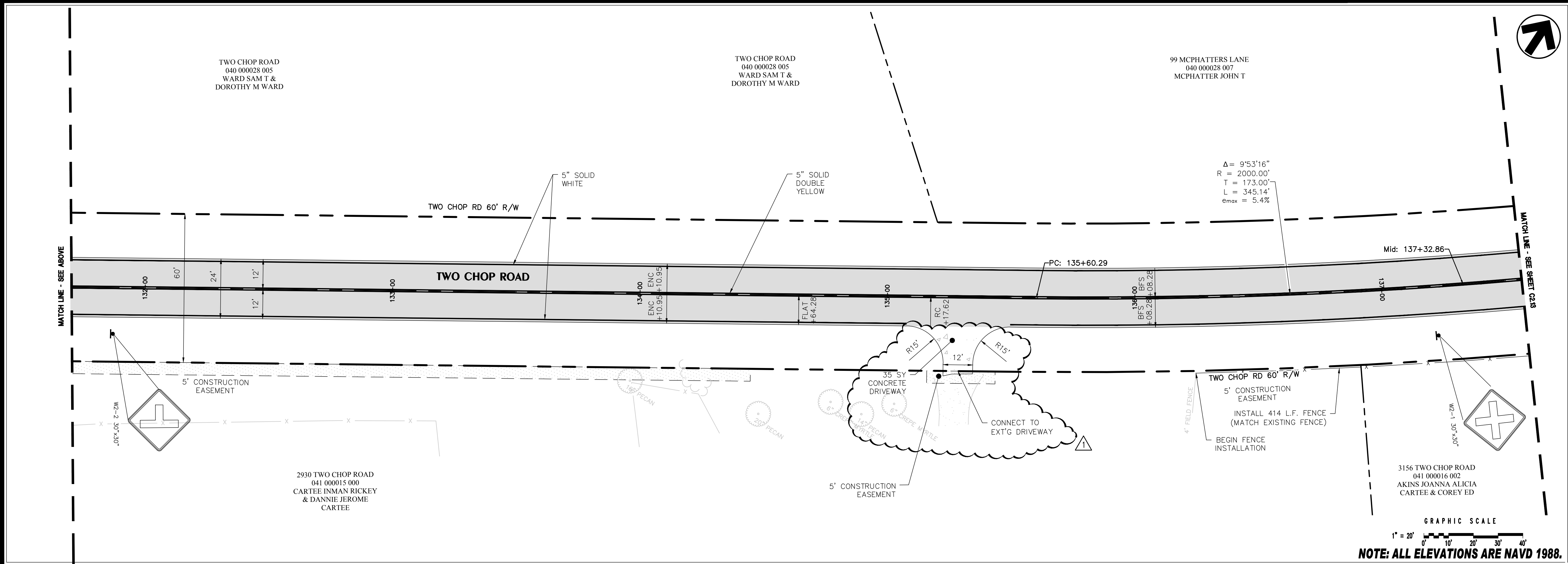
DRAWING NUMBER
C2.11

December 14, 2018 8:56 AM Printed By: ebennett
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GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

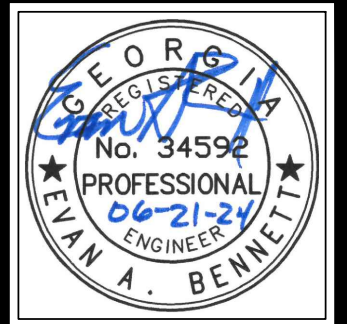
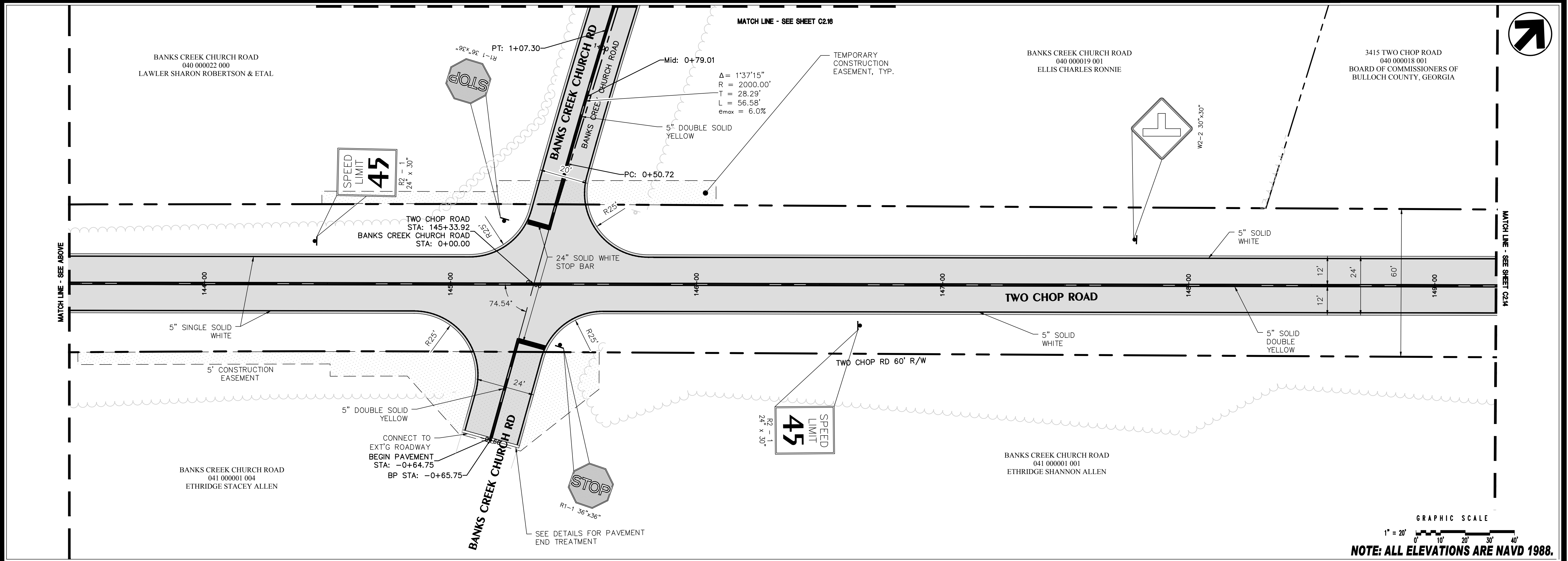
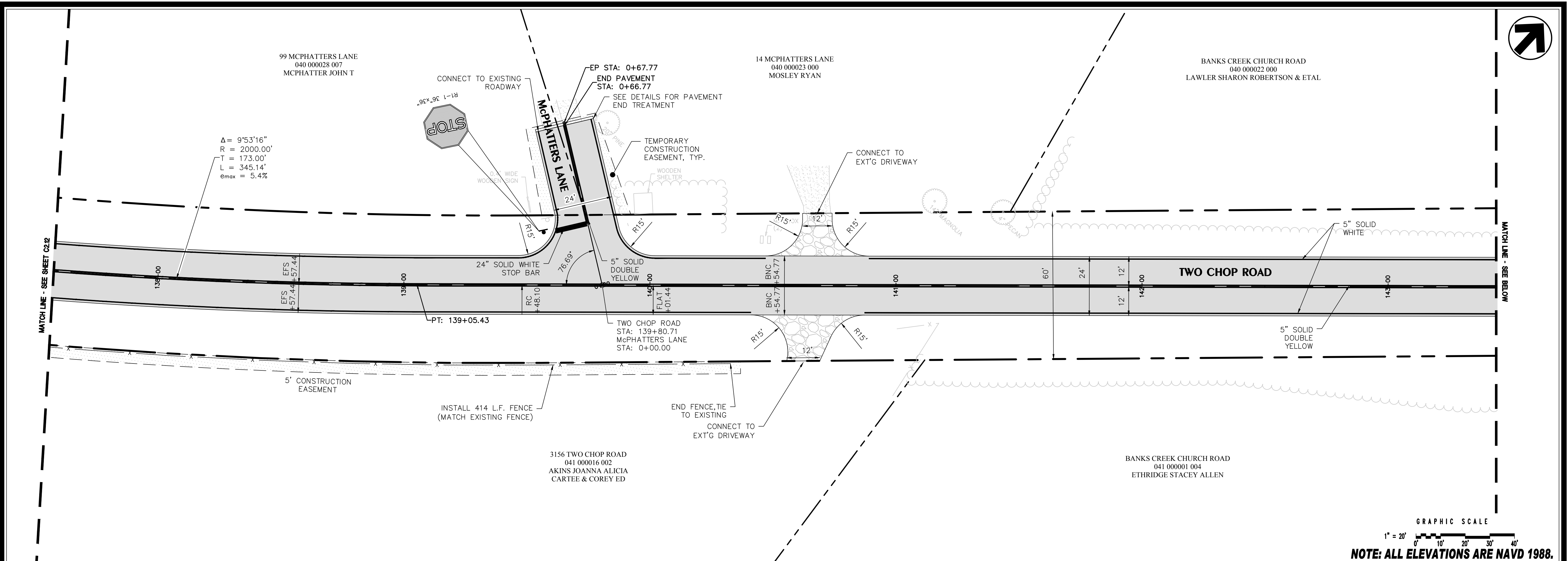
REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.12



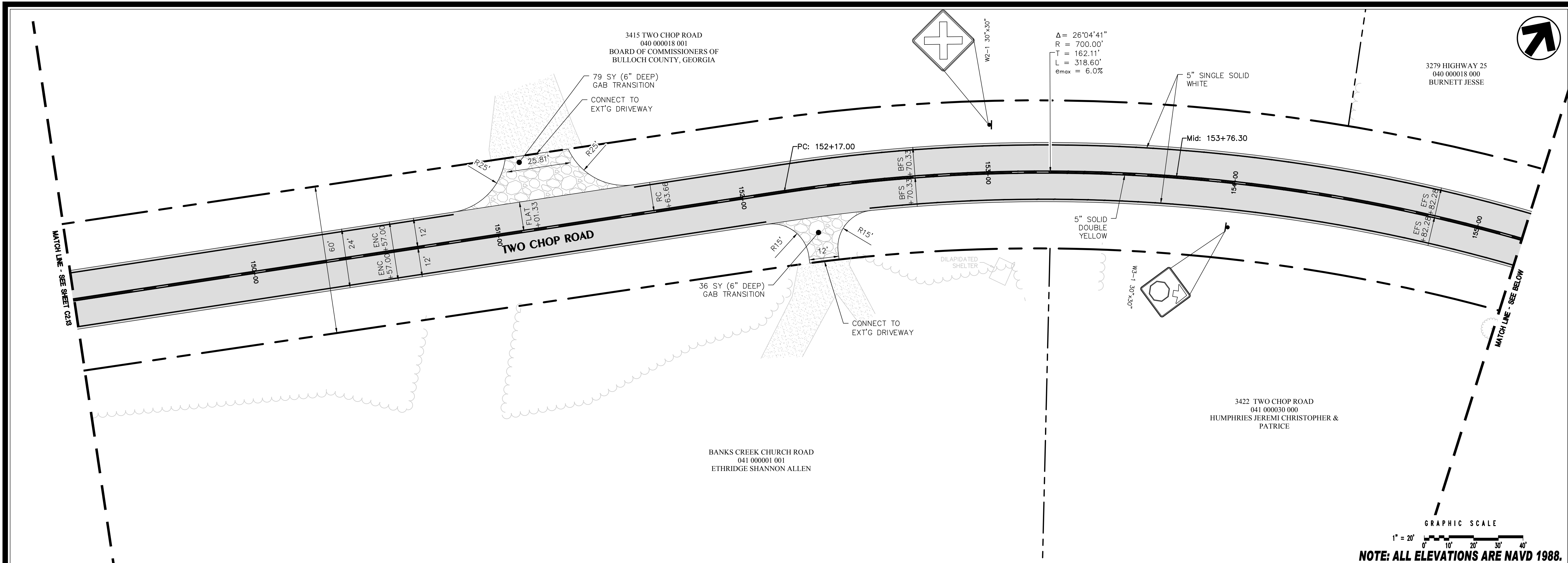
HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

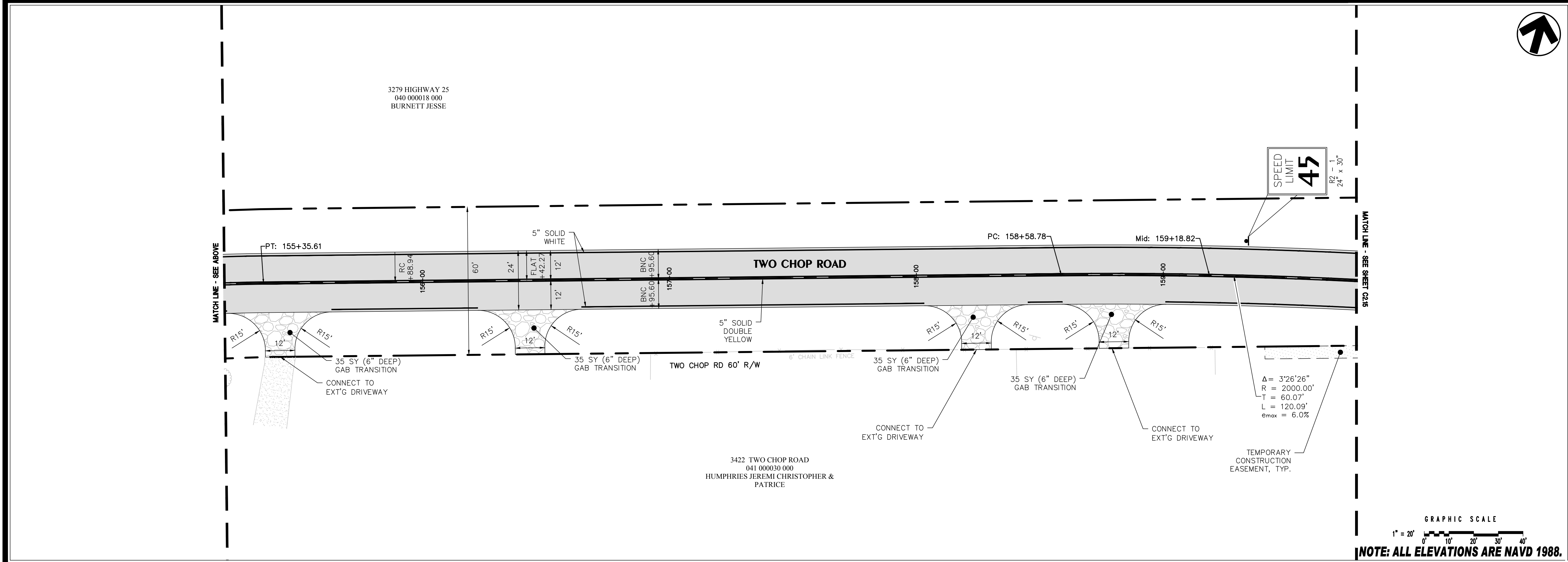
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.13



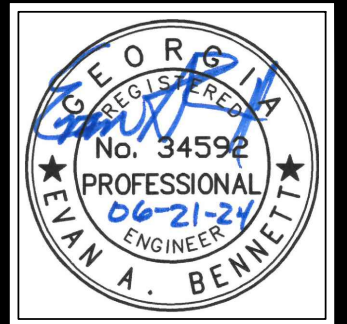
GRAPHIC SCALE
1" = 20'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

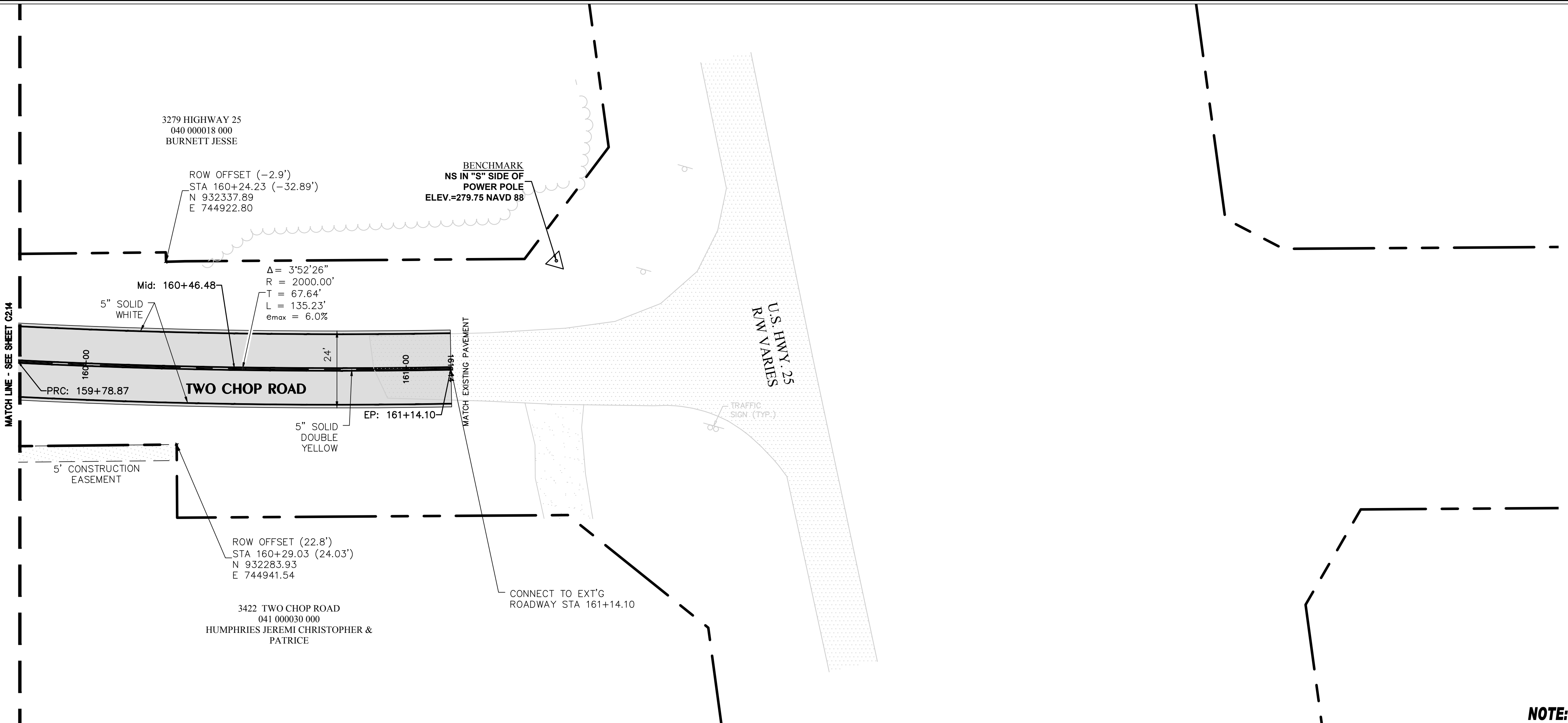
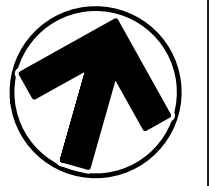
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
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LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.14



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



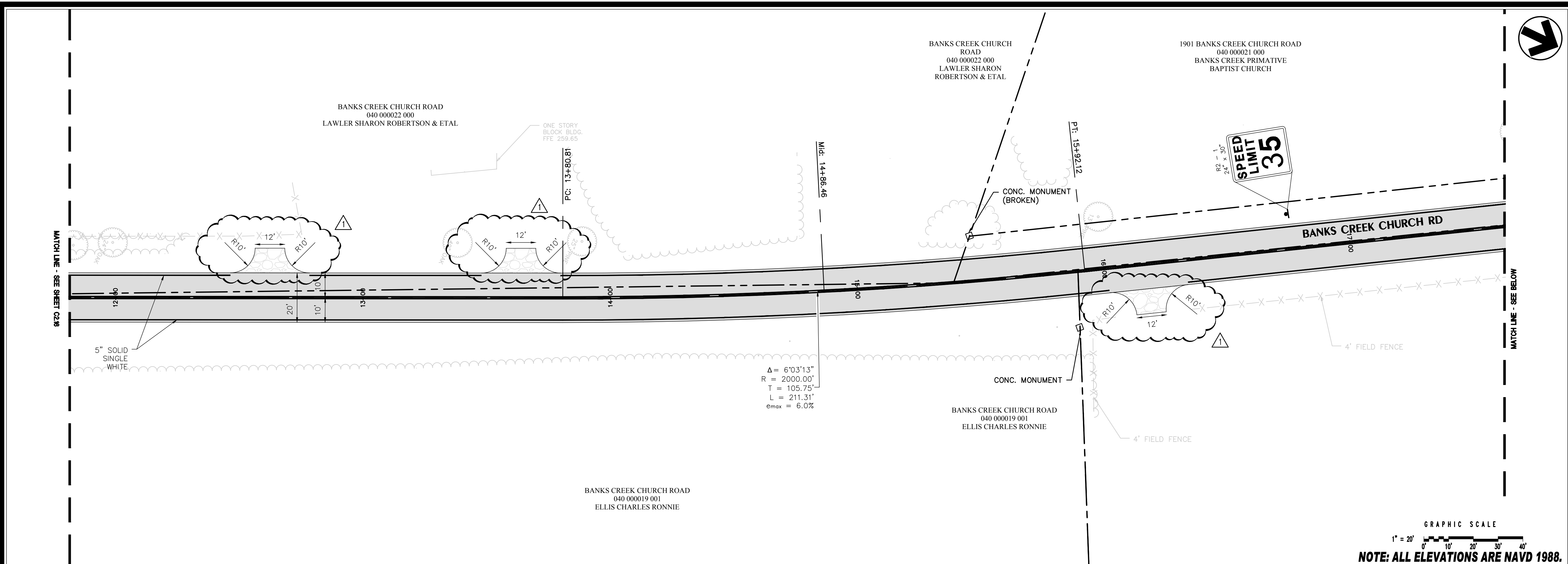
HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

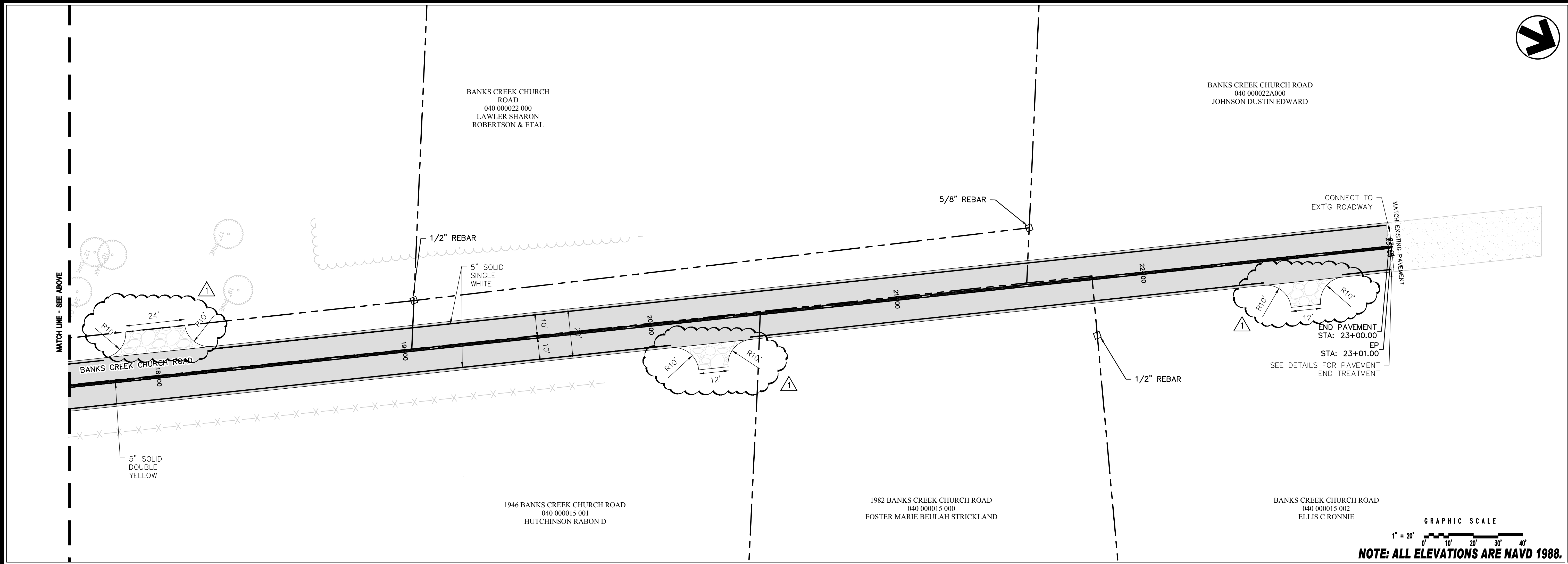
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.15



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

07/26/2024	ADDENDUM #1
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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

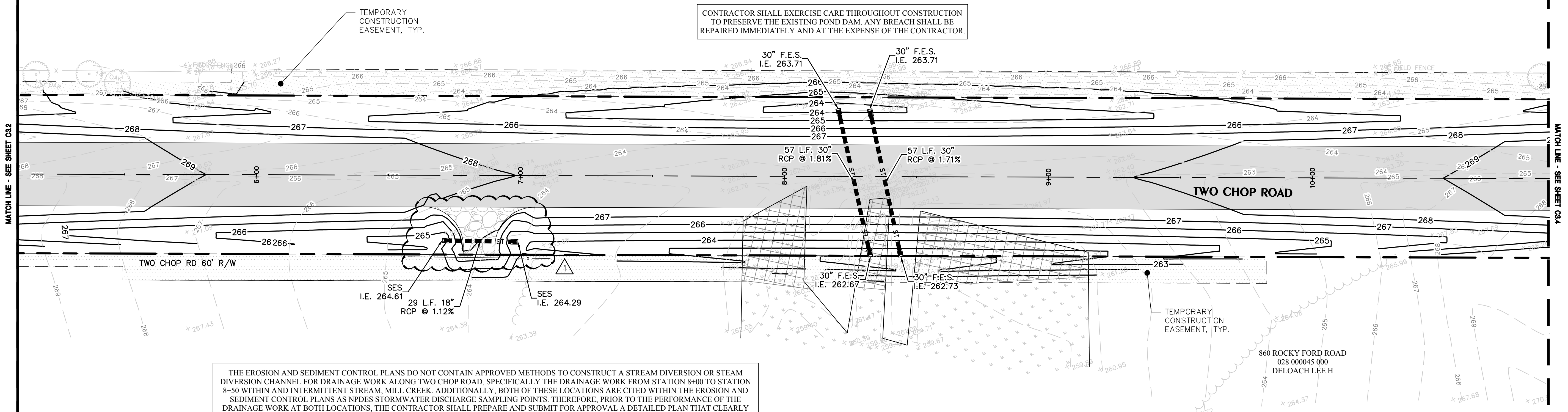
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 LAYOUT AND TRAFFIC MARKING PLAN

DRAWING NUMBER
C2.17

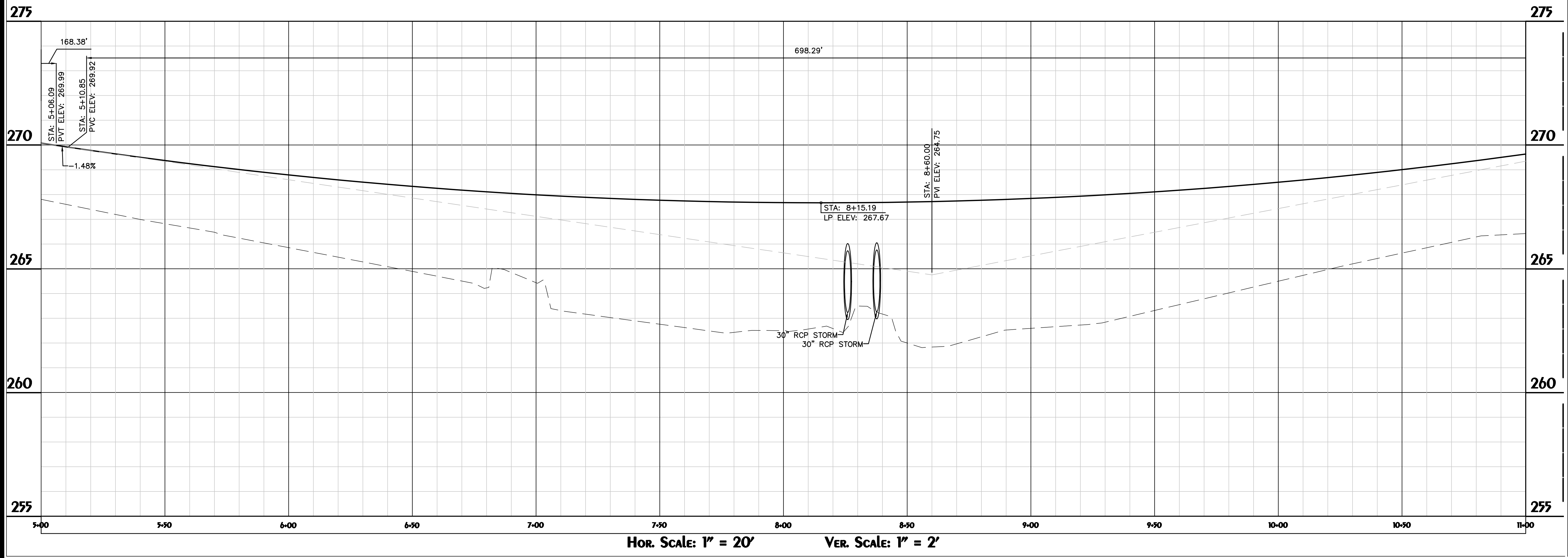
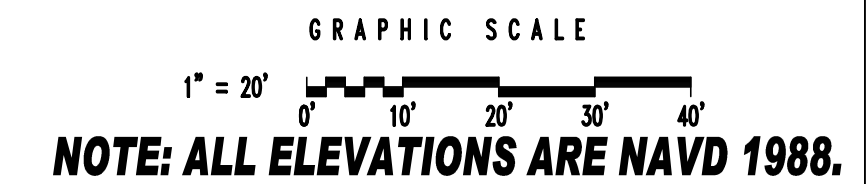
860 ROCKY FORD ROAD
028 00045 000
DELOACH LEE H

THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO SHOP ROAD FOR A MAXIMUM OF 4 CONSECUTIVE CALENDAR DAYS FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 8+00 AND 8+50. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING, AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE, AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

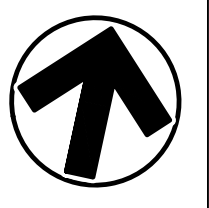
CONTRACTOR SHALL EXERCISE CARE THROUGHOUT CONSTRUCTION TO PRESERVE THE EXISTING POND DAM. ANY BREACH SHALL BE REPAIRED IMMEDIATELY AND AT THE EXPENSE OF THE CONTRACTOR.



THE EROSION AND SEDIMENT CONTROL PLANS DO NOT CONTAIN APPROVED METHODS TO CONSTRUCT A STREAM DIVERSION OR STEAM DIVERSION CHANNEL FOR DRAINAGE WORK ALONG TWO CHOP ROAD, SPECIFICALLY THE DRAINAGE WORK FROM STATION 8+00 TO STATION 8+50 WITHIN AND INTERMITTENT STREAM, MILL CREEK. ADDITIONALLY, BOTH OF THESE LOCATIONS ARE CITED WITHIN THE EROSION AND SEDIMENT CONTROL PLANS AS NPDES STORMWATER DISCHARGE SAMPLING POINTS. THEREFORE, PRIOR TO THE PERFORMANCE OF THE DRAINAGE WORK AT BOTH LOCATIONS, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A DETAILED PLAN THAT CLEARLY DEFINES THE SEQUENCE OF OPERATIONS FOR DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF NEW STRUCTURES, WHILE ALSO PROVIDING FOR A TEMPORARY STREAM DIVERSION OR A STREAM DIVERSION CHANNEL THAT ADEQUATELY COMPLIES WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT.



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



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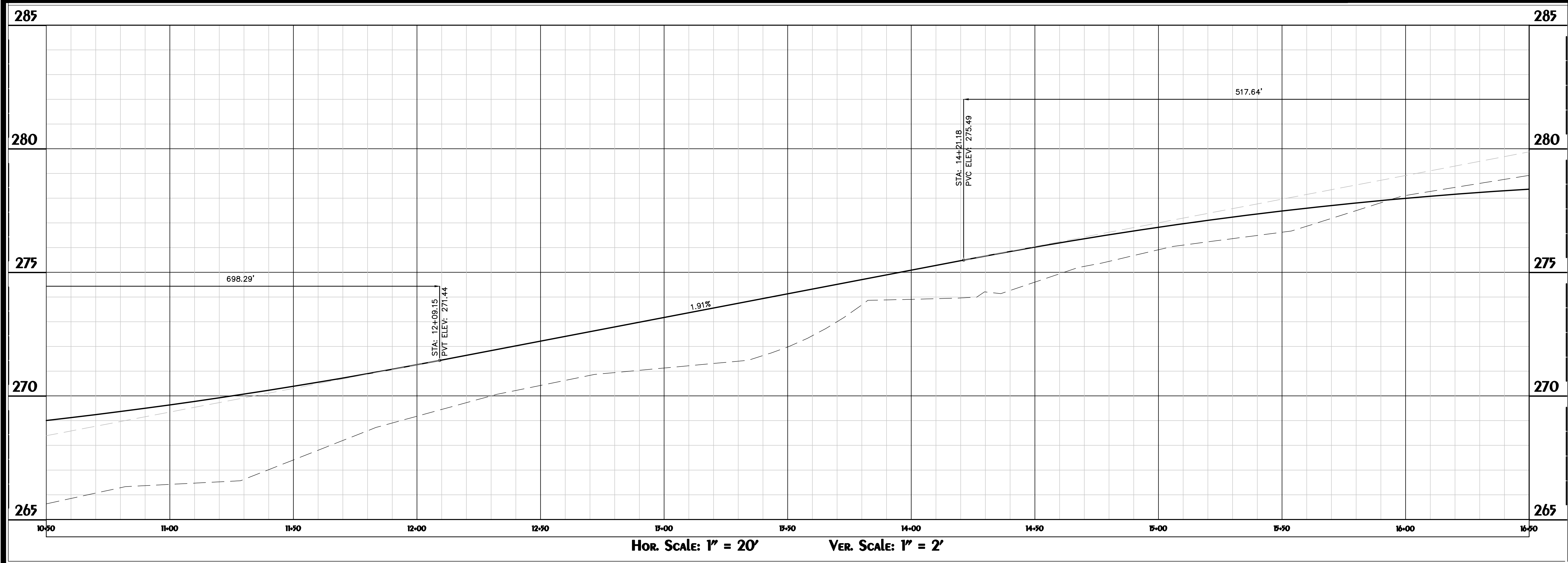
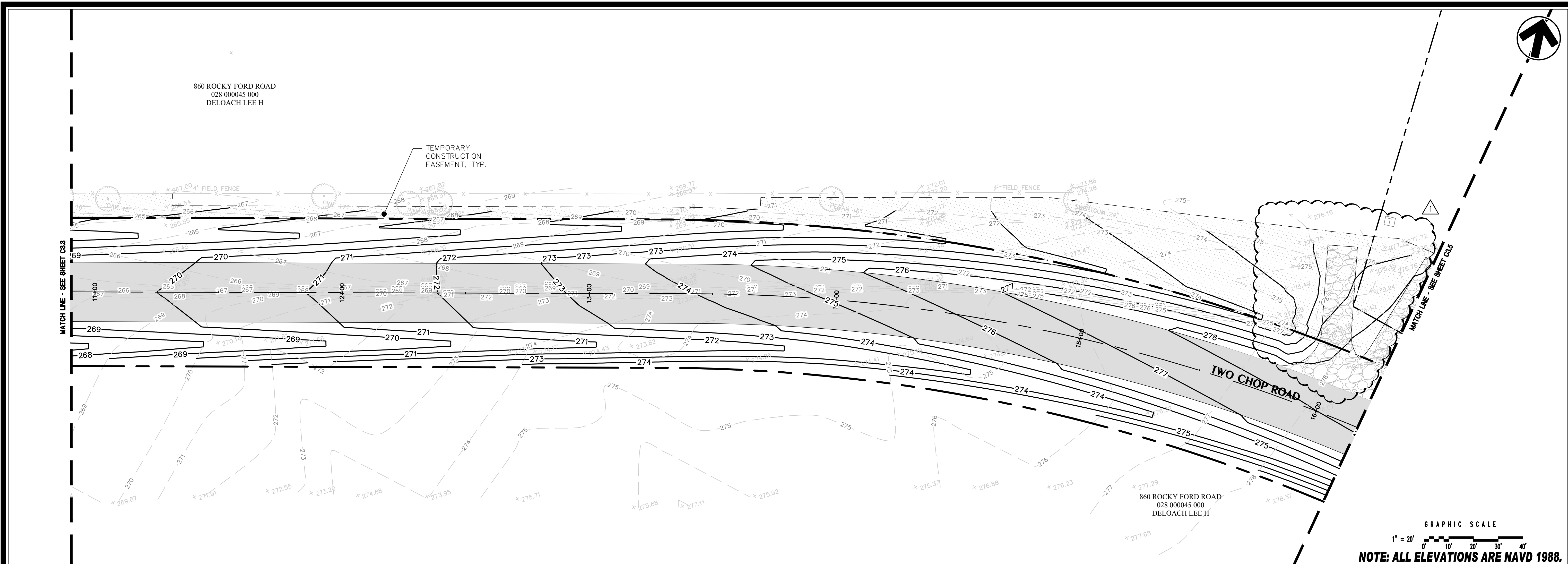
REVISIONS:

NO.	DATE	DESCRIPTION
1	07/26/2024	ADDENDUM #1

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DATE: JUNE 21, 2024		
JOB NO. 122148117		
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TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.2



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

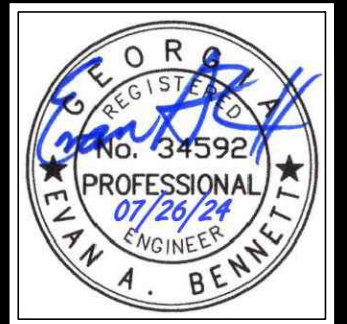
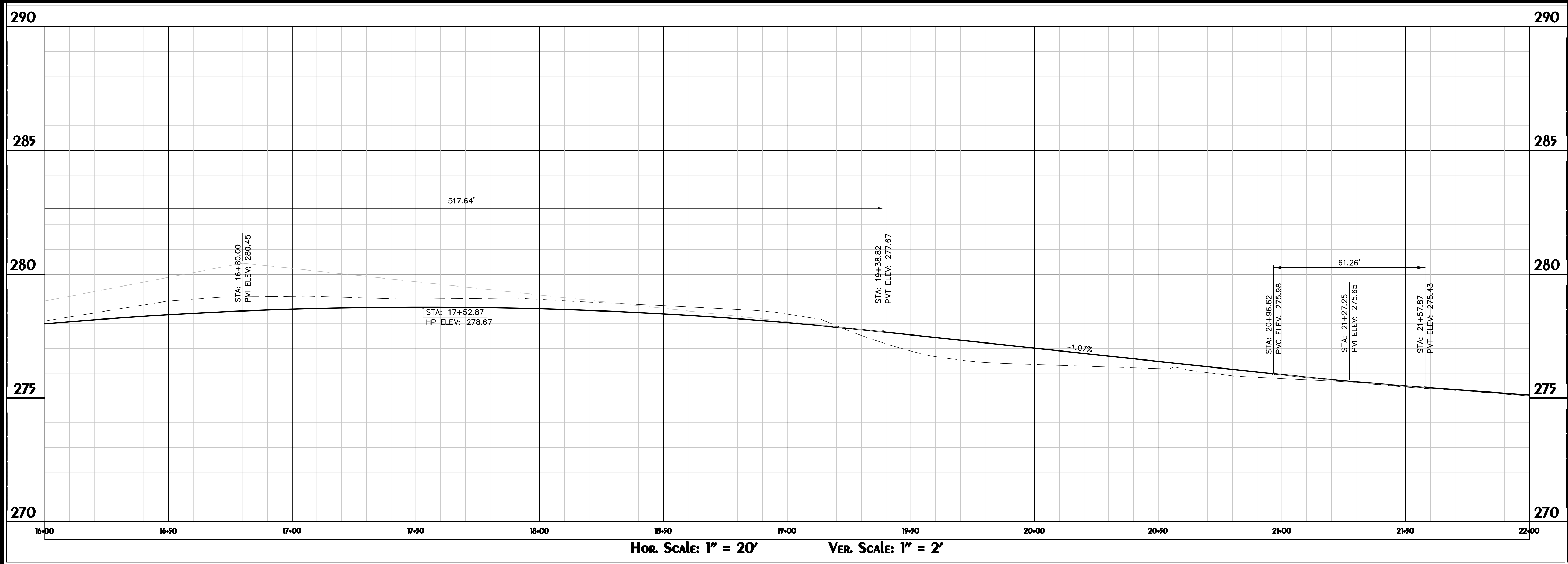
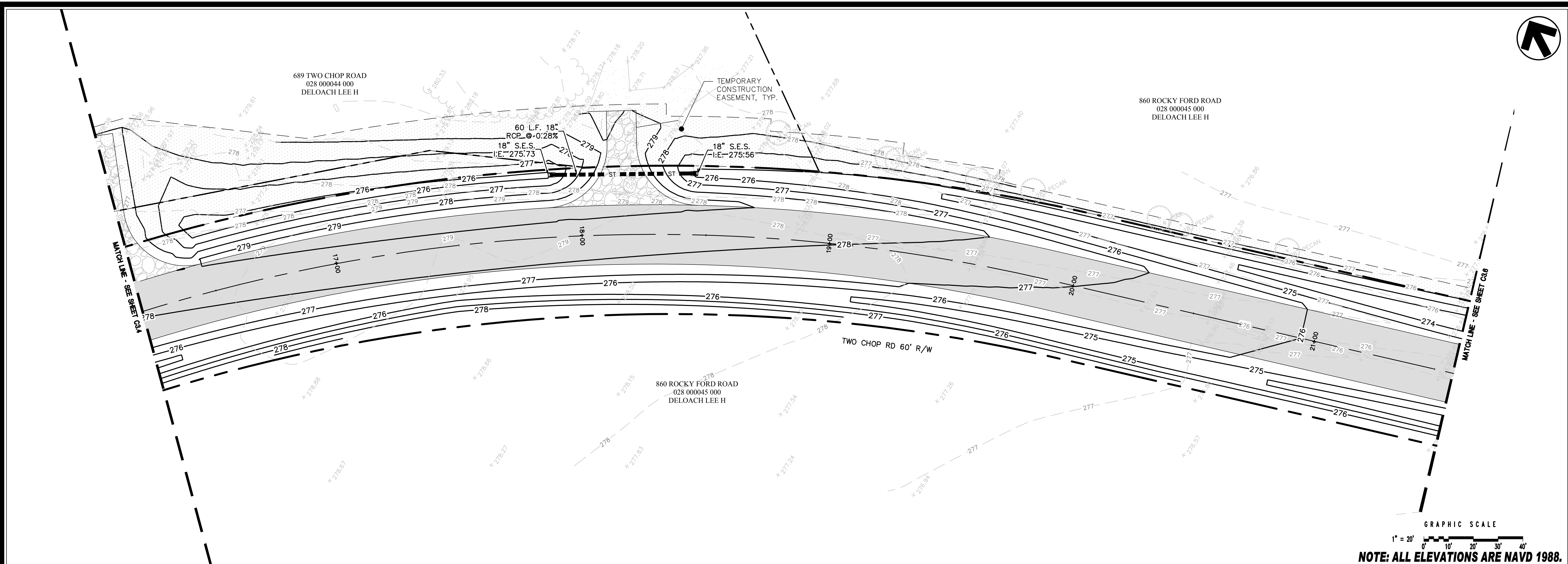
REVISIONS:

07/26/2024	ADDENDUM #1
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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.3



HUSSEY GAY BELL
Established 1958

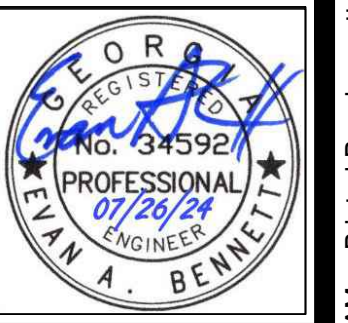
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.4



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

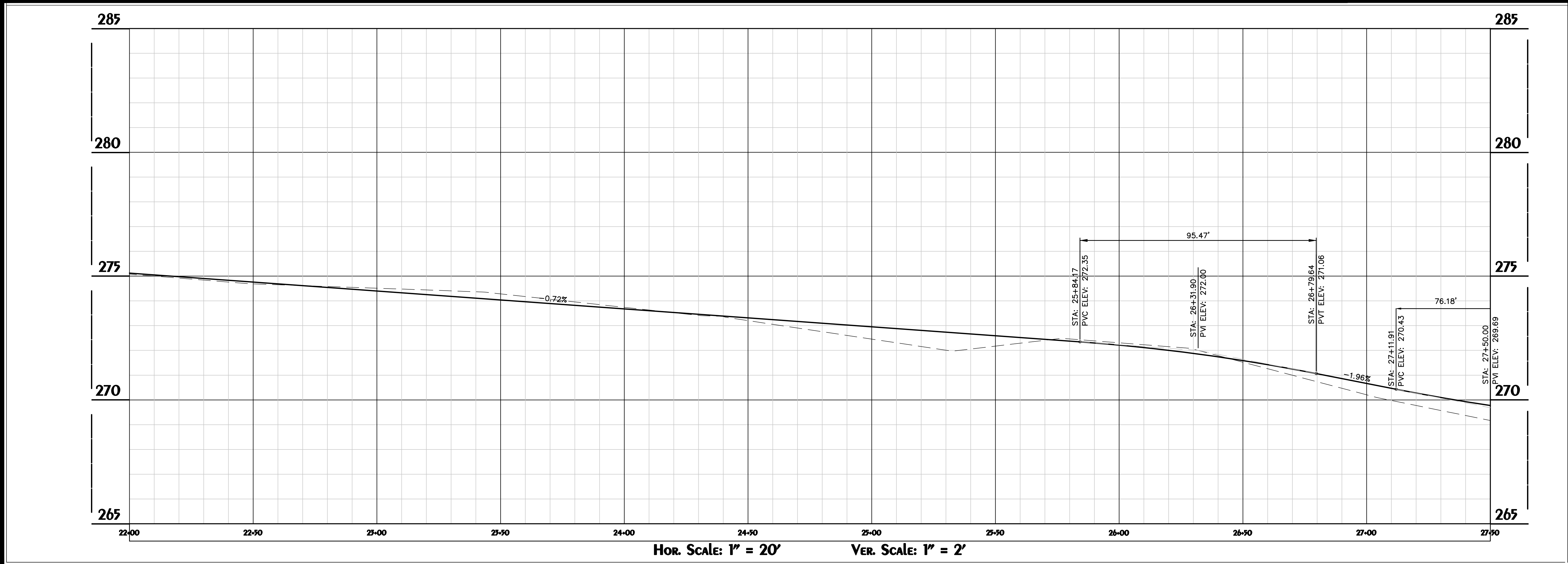
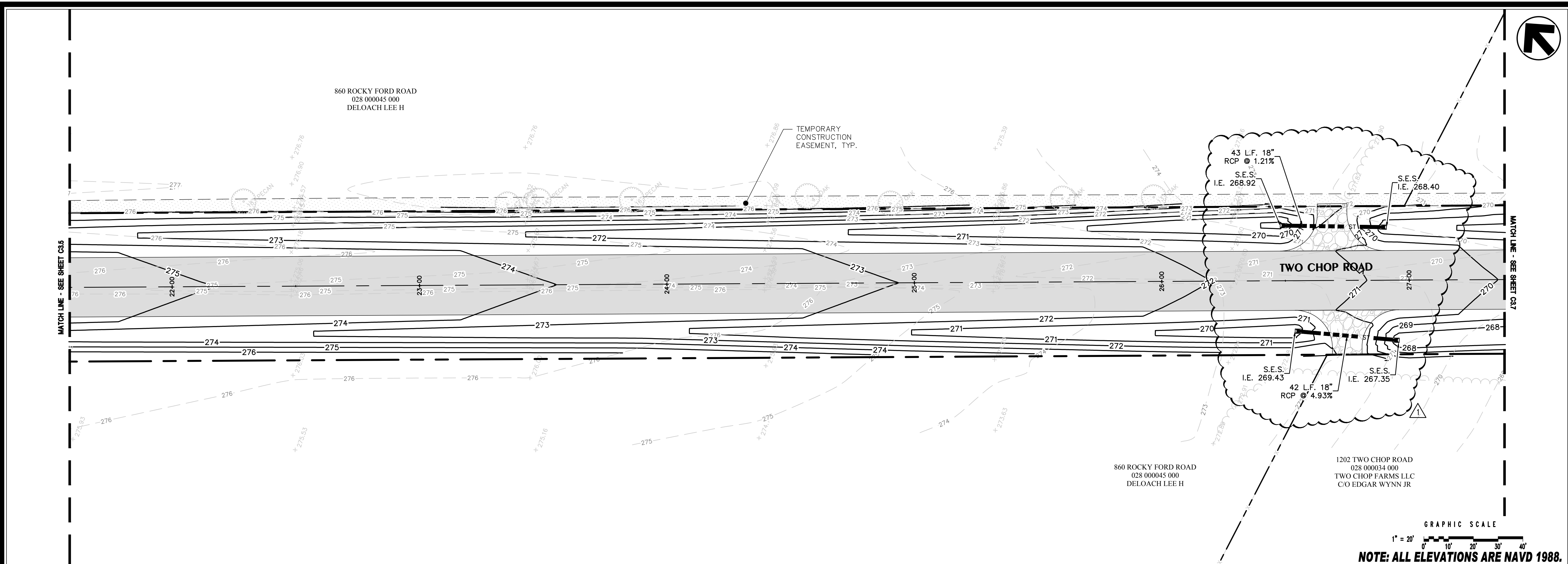
REVISIONS:

07/26/2024	ADDENDUM #1
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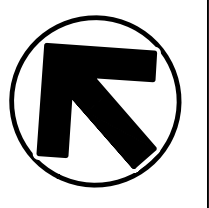
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.5

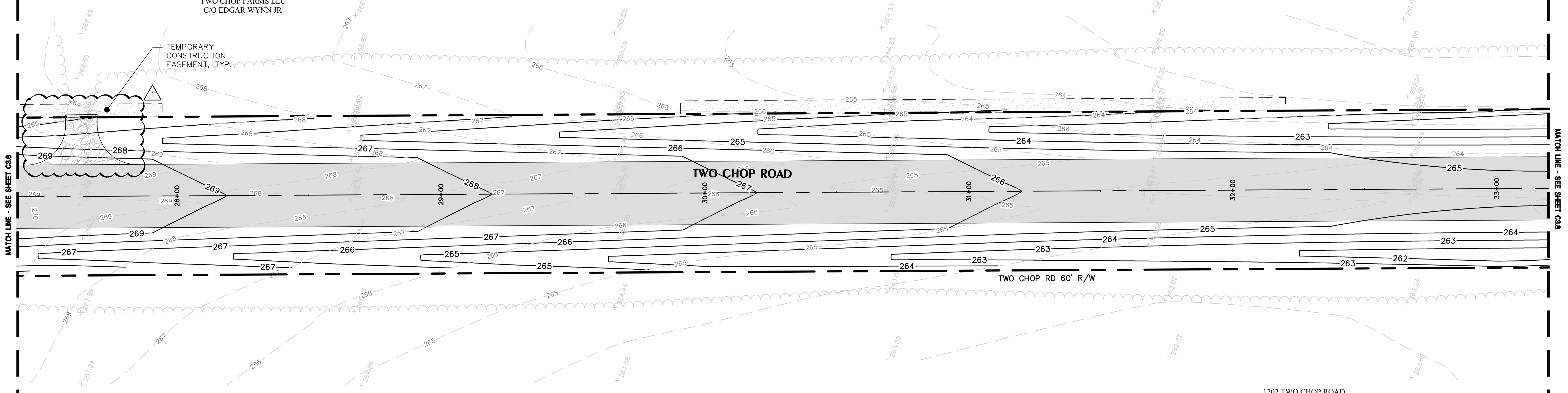


HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

TEMPORARY
CONSTRUCTION
EASEMENT, TYP.



MATCH LINE - SEE SHEET C38

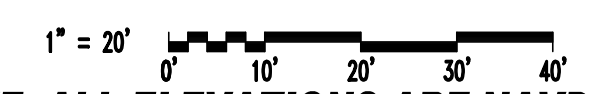
MATCH LINE - SEE SHEET C38

TWO CHOP ROAD

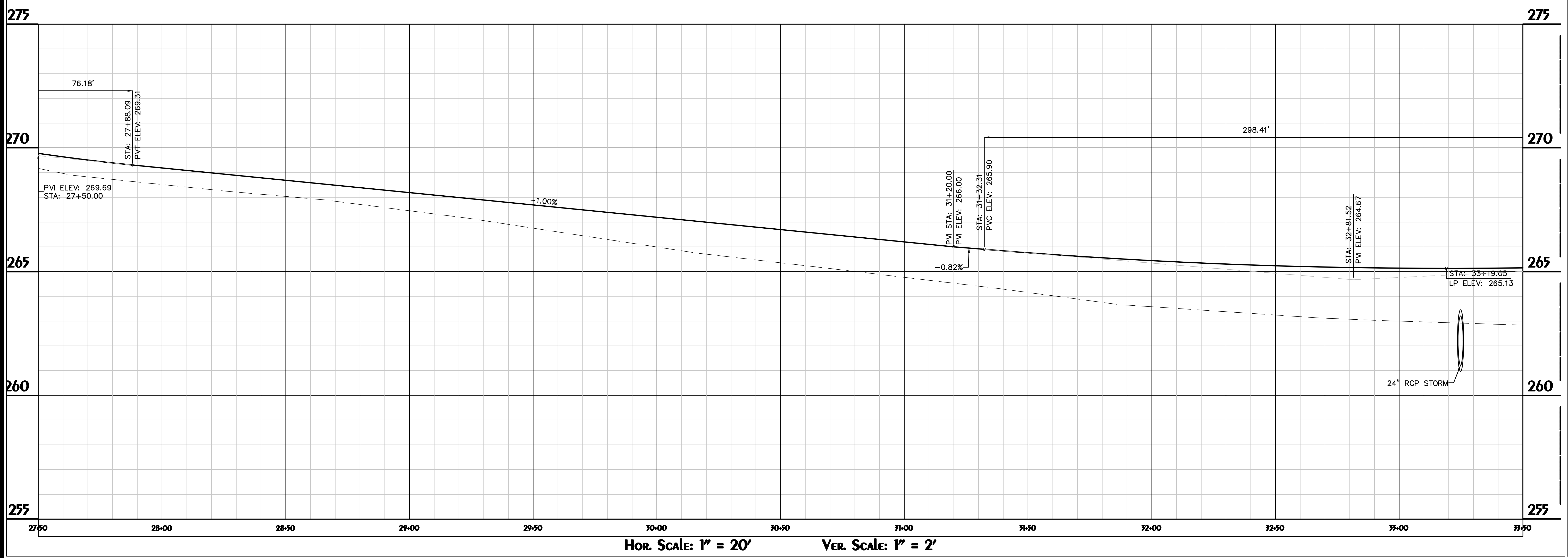
TWO CHOP RD 60' R/W

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

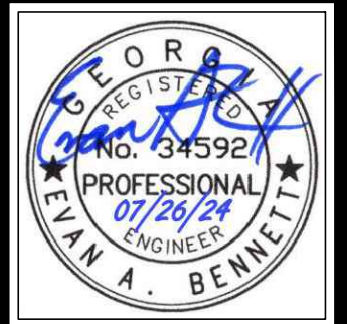
GRAPHIC SCALE



NOTE: ALL ELEVATIONS ARE NAVD 1988.



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

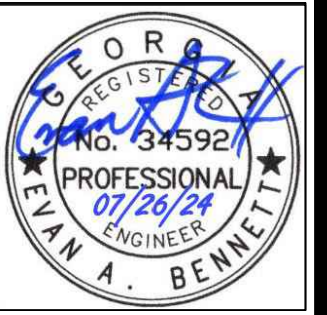
REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.
DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
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PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.6



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

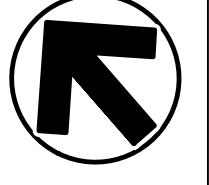
07/26/2024	A	ADDENDUM #1
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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

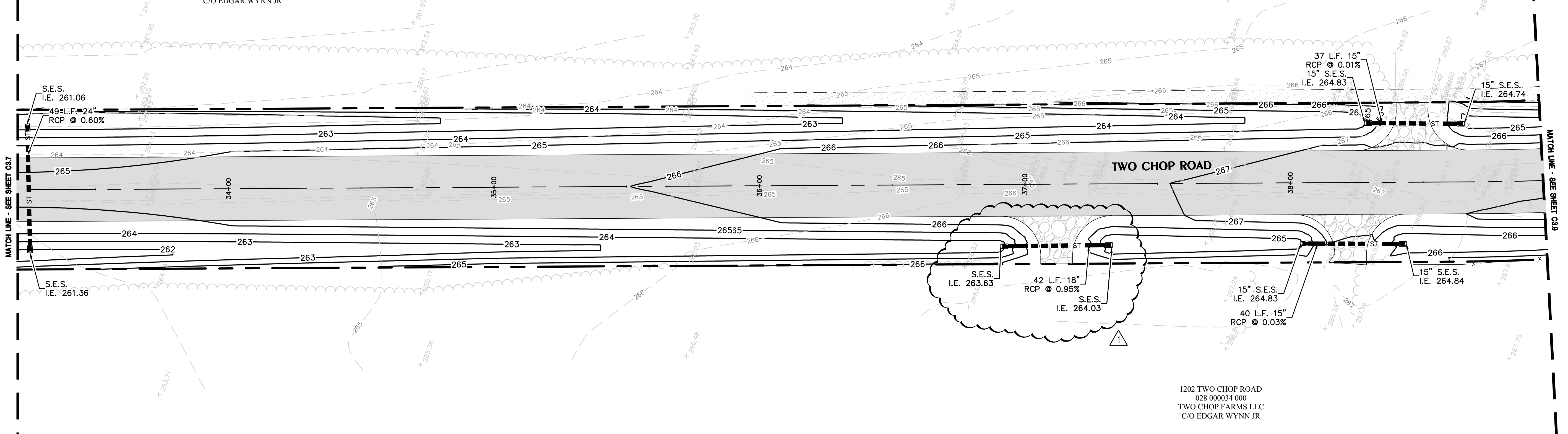
TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.7

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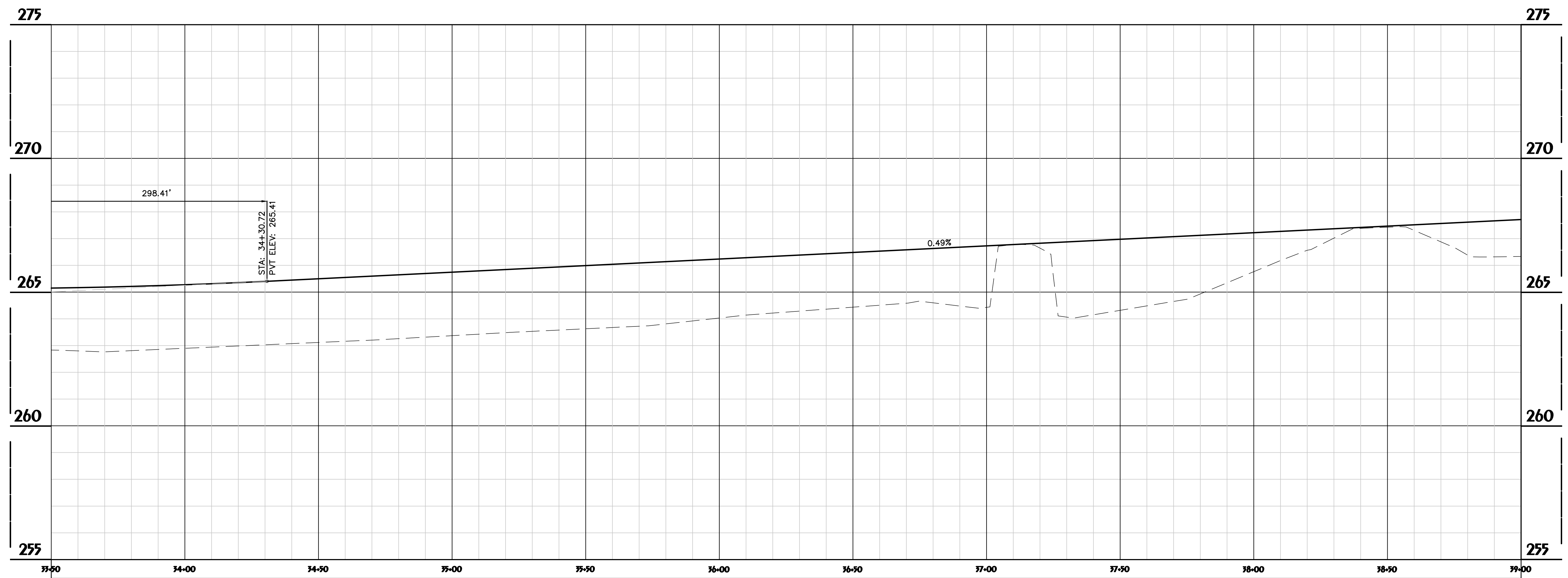


1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

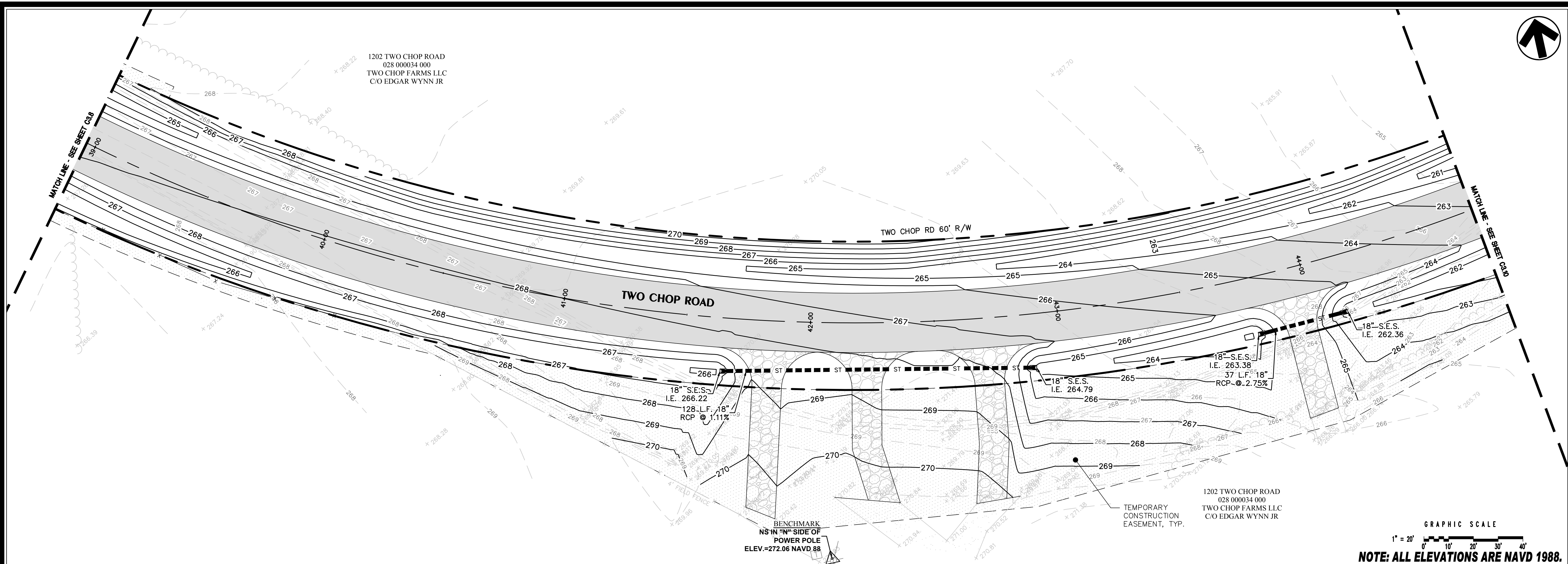


GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40'

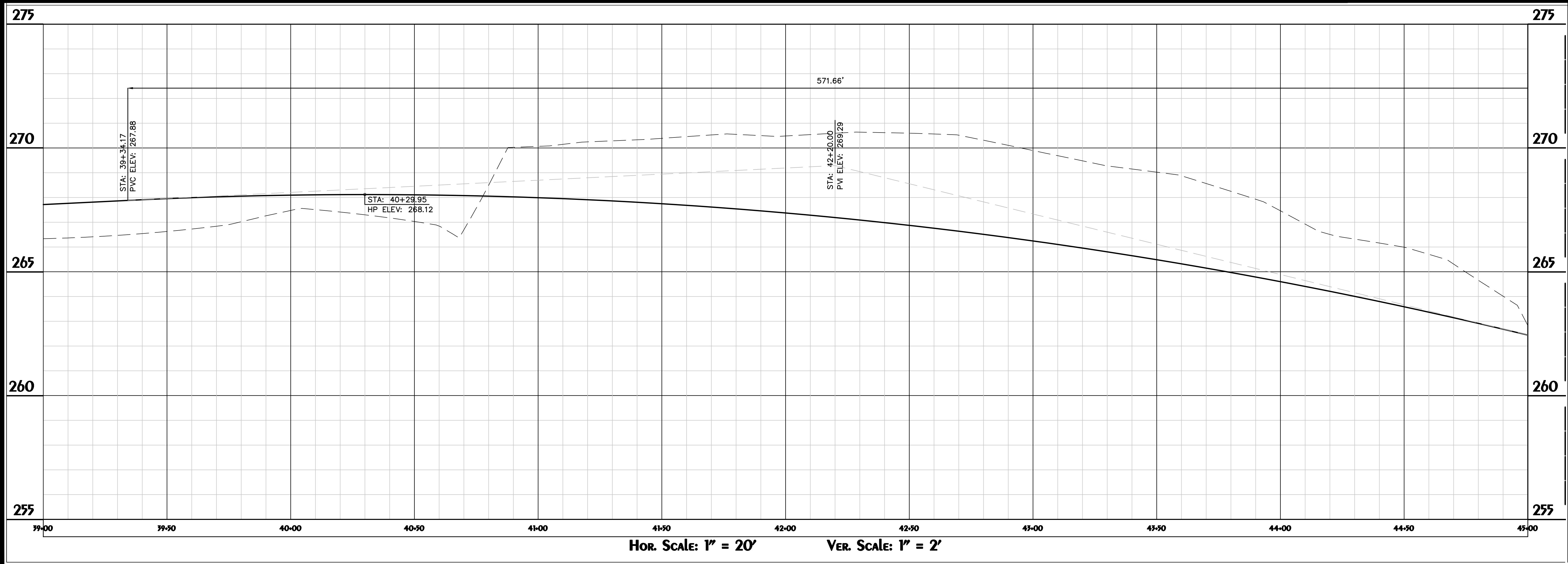
NOTE: ALL ELEVATIONS ARE NAVD 1988.



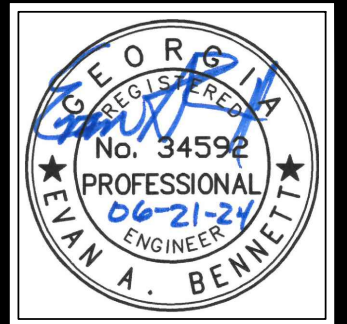
HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958
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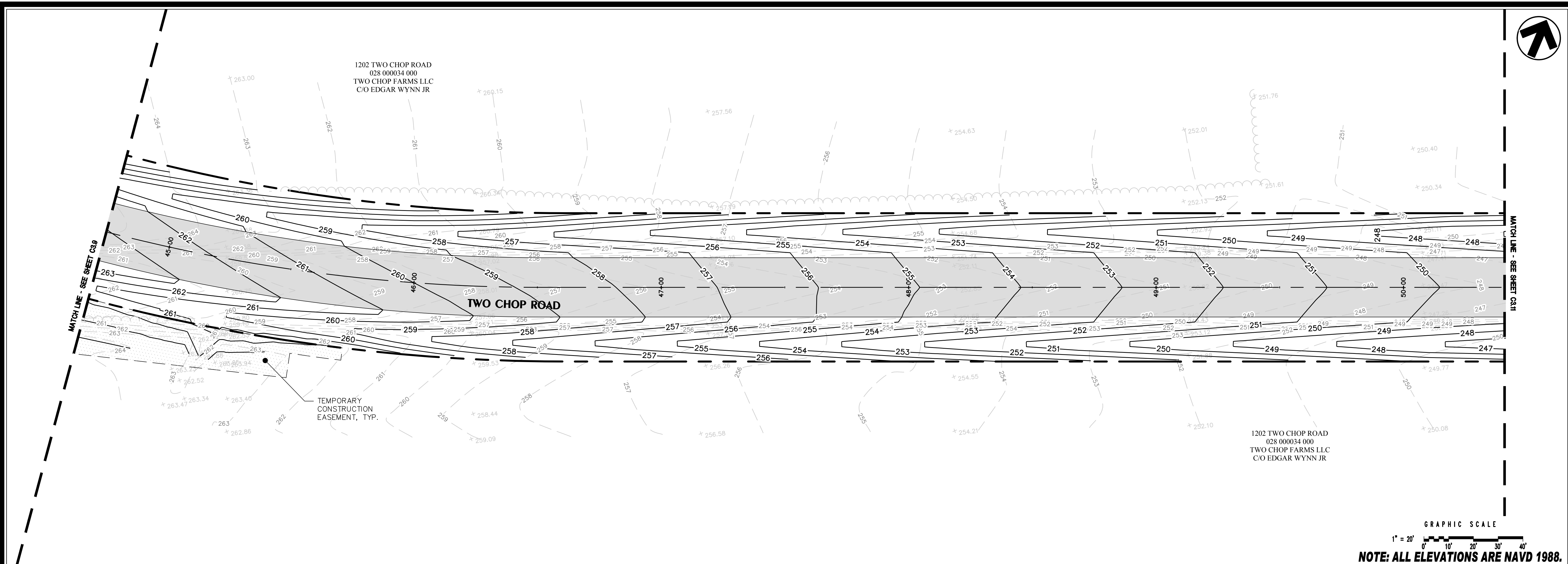
REVISIONS:

NO.	DATE	DESCRIPTION

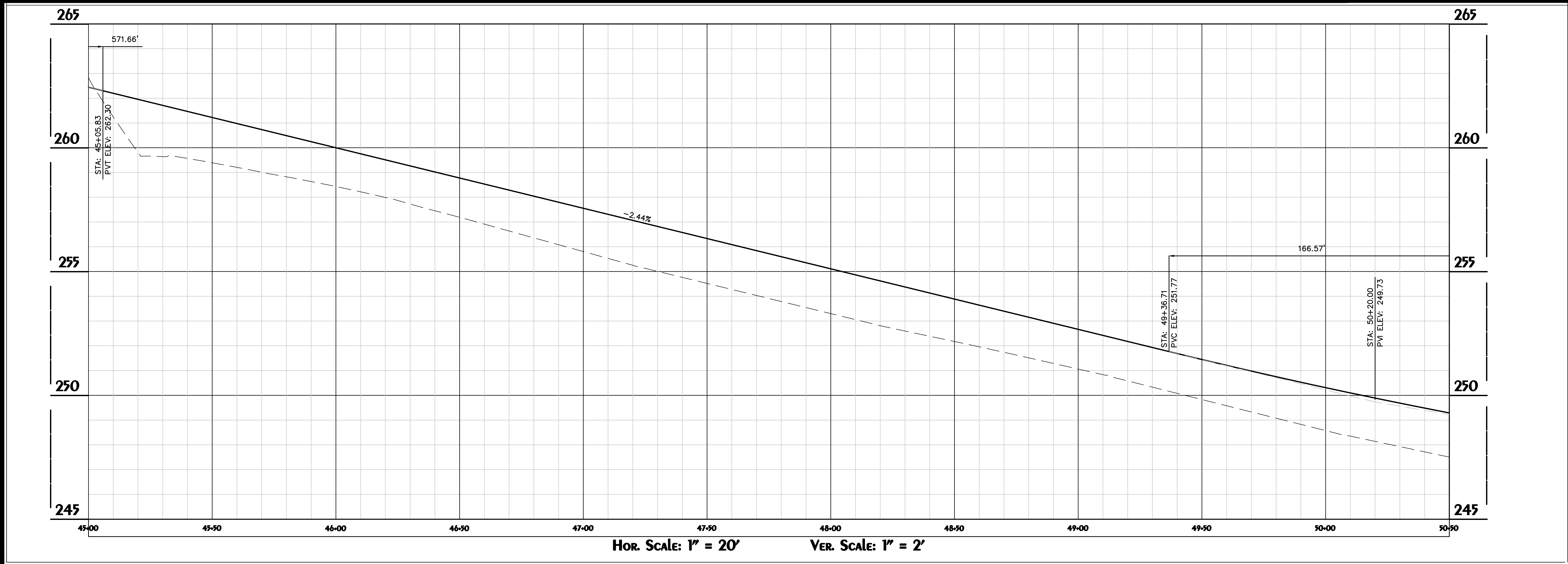
DESIGNED	DRAWN	CHECKED
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

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 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

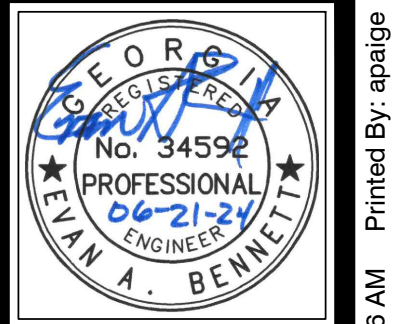
DRAWING NUMBER
C3.8



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

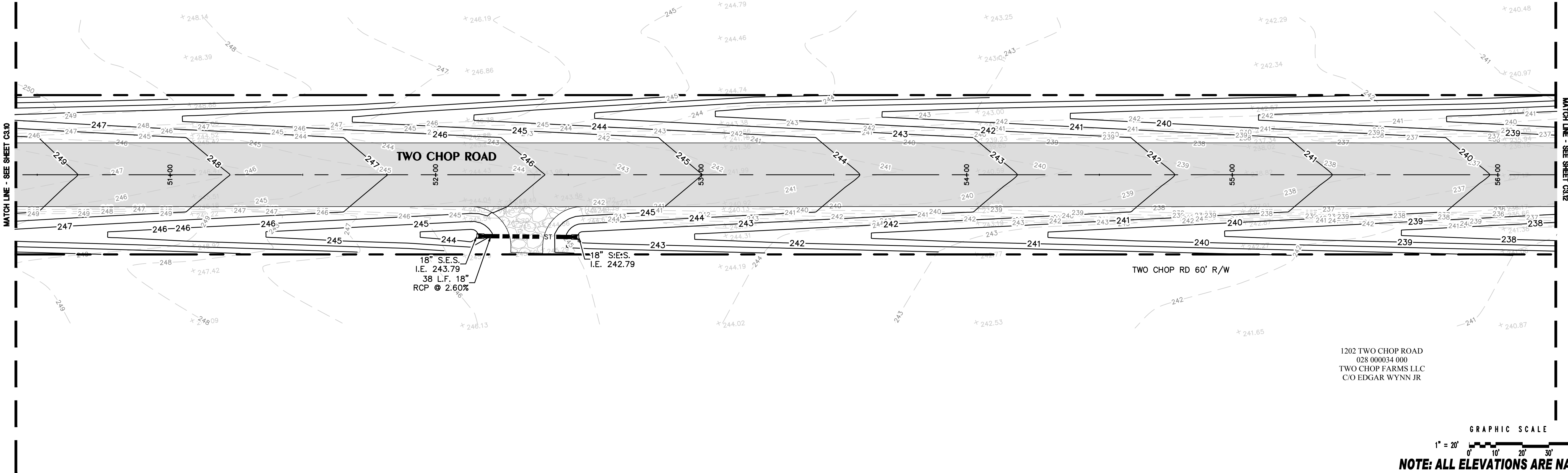
REVISIONS:

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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

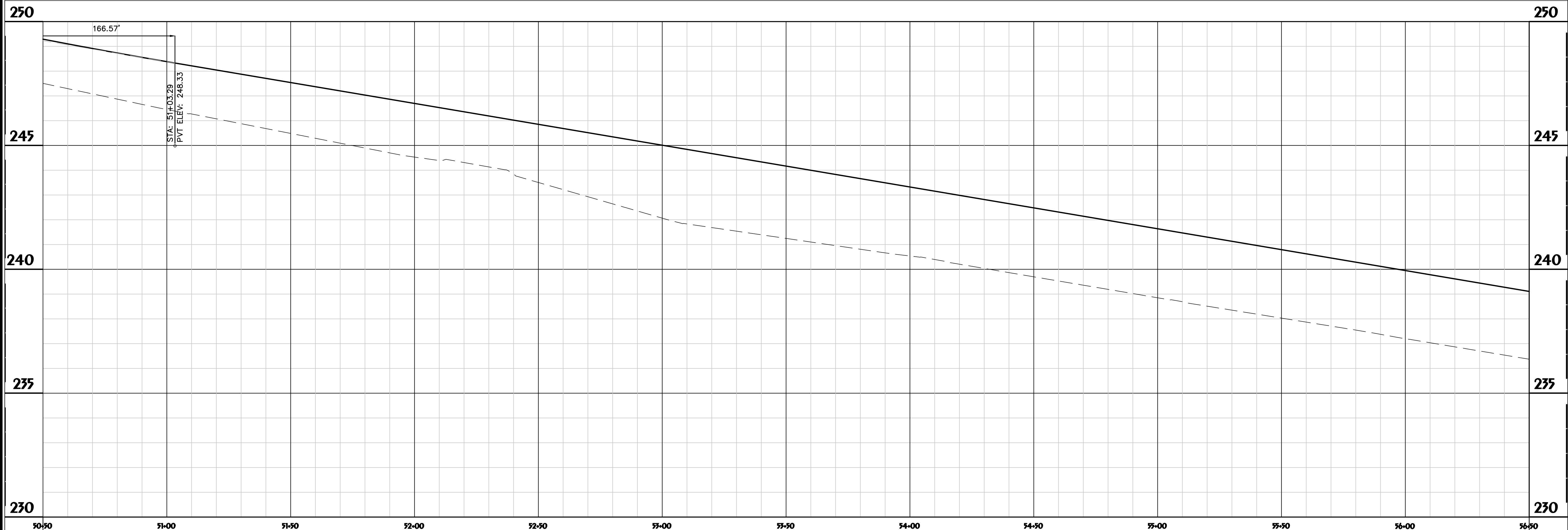
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.9

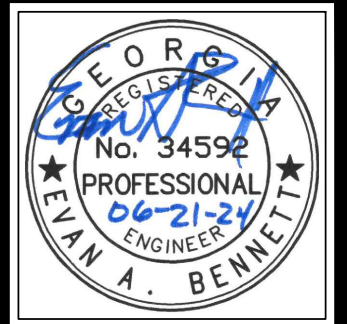
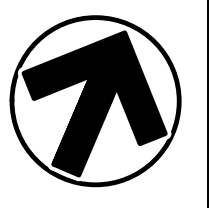
1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR



GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

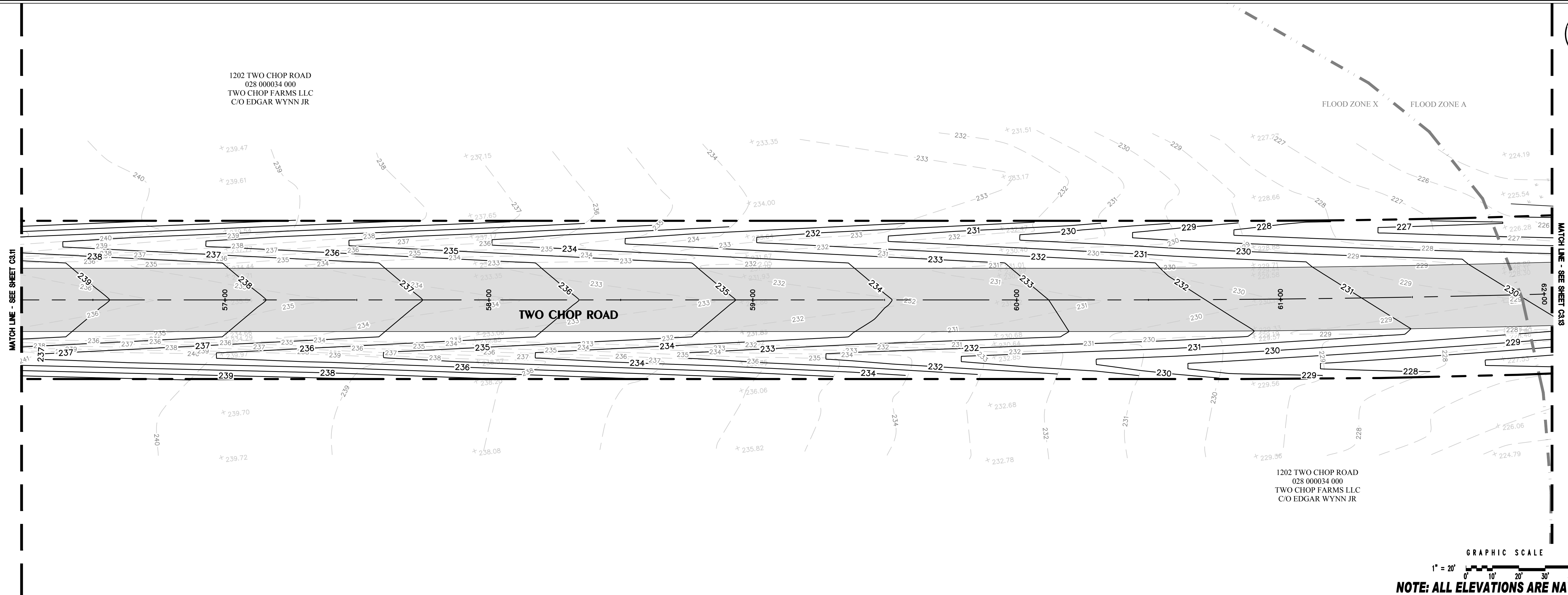
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.10

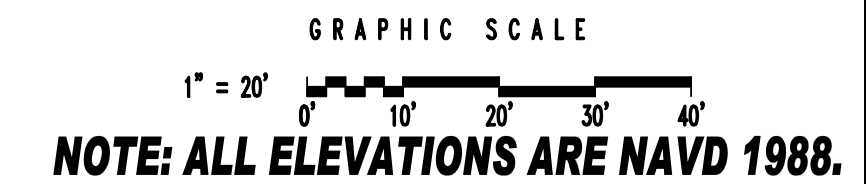
1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

MATCH LINE - SEE SHEET C3.11

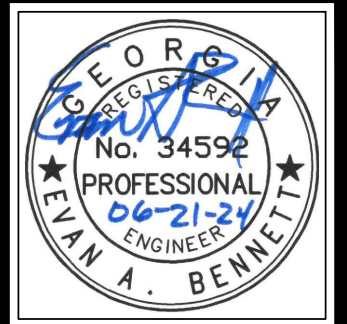
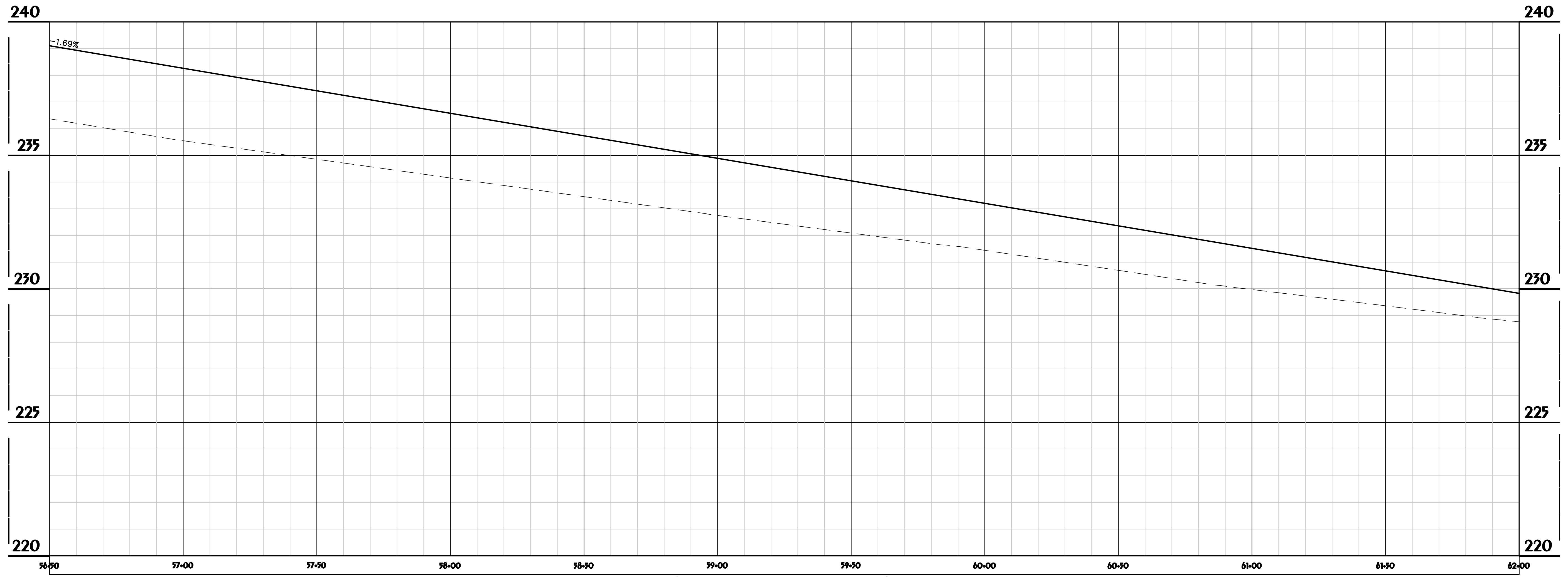
MATCH LINE - SEE SHEET C3.12



1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR



NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.11



HUSSEY GAY BELL
Established 1958
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REVISIONS:

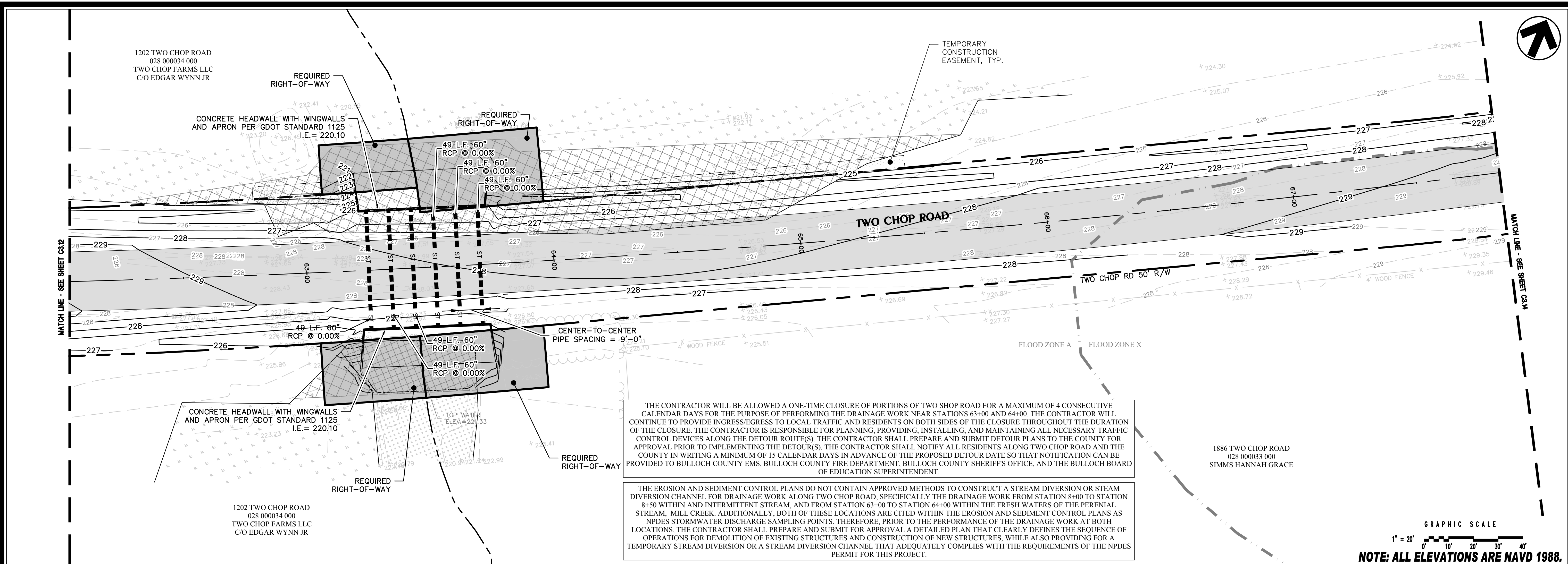
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

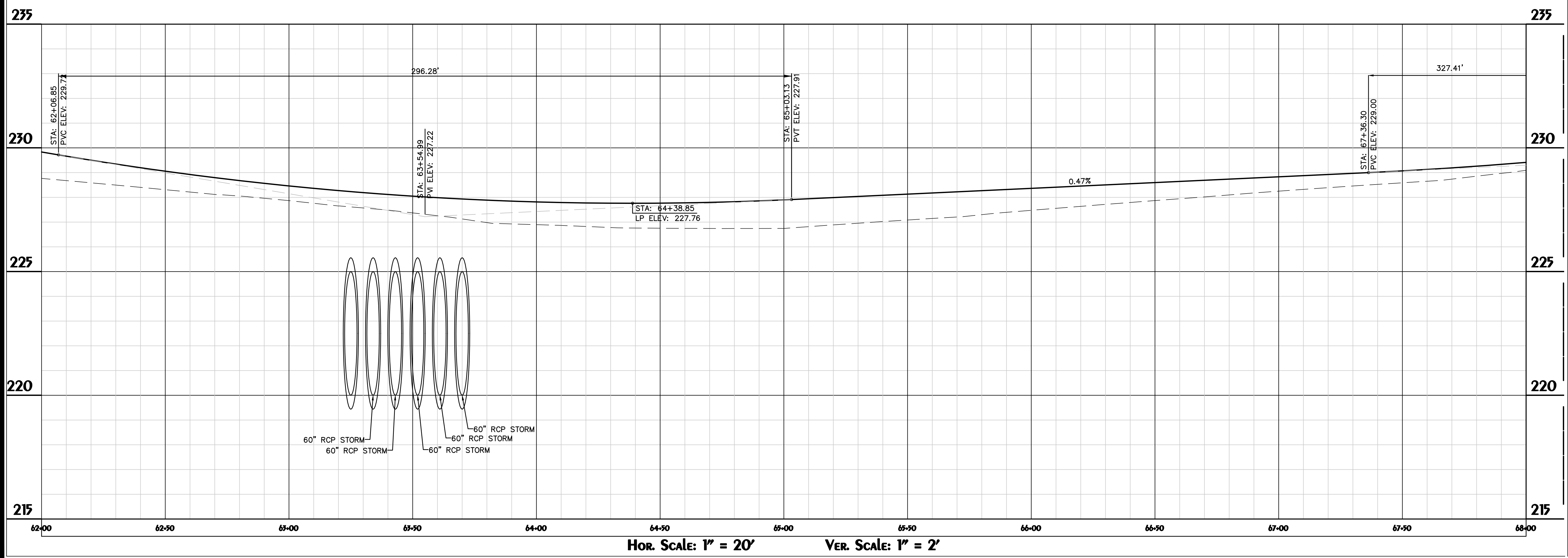
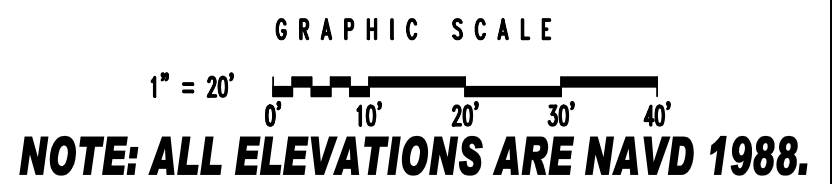
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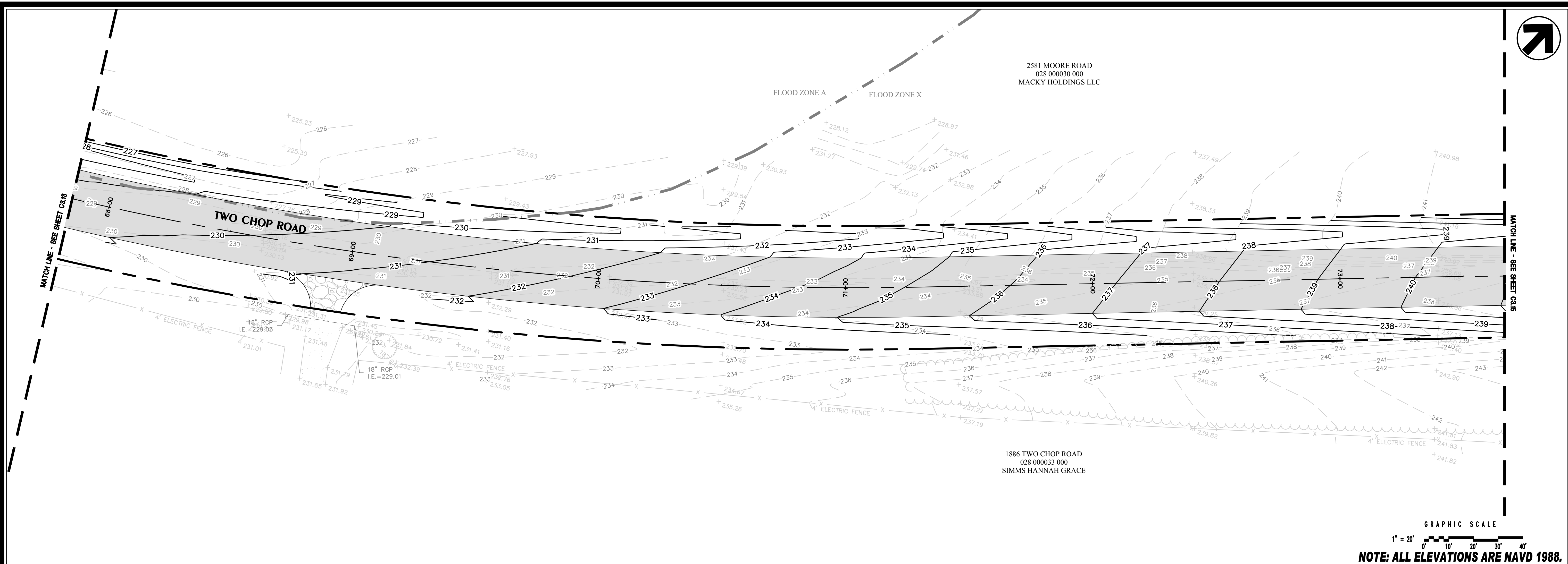


THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO SHOP ROAD FOR A MAXIMUM OF 4 CONSECUTIVE CALENDAR DAYS FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 63+00 AND 64+00. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING, AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE, AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

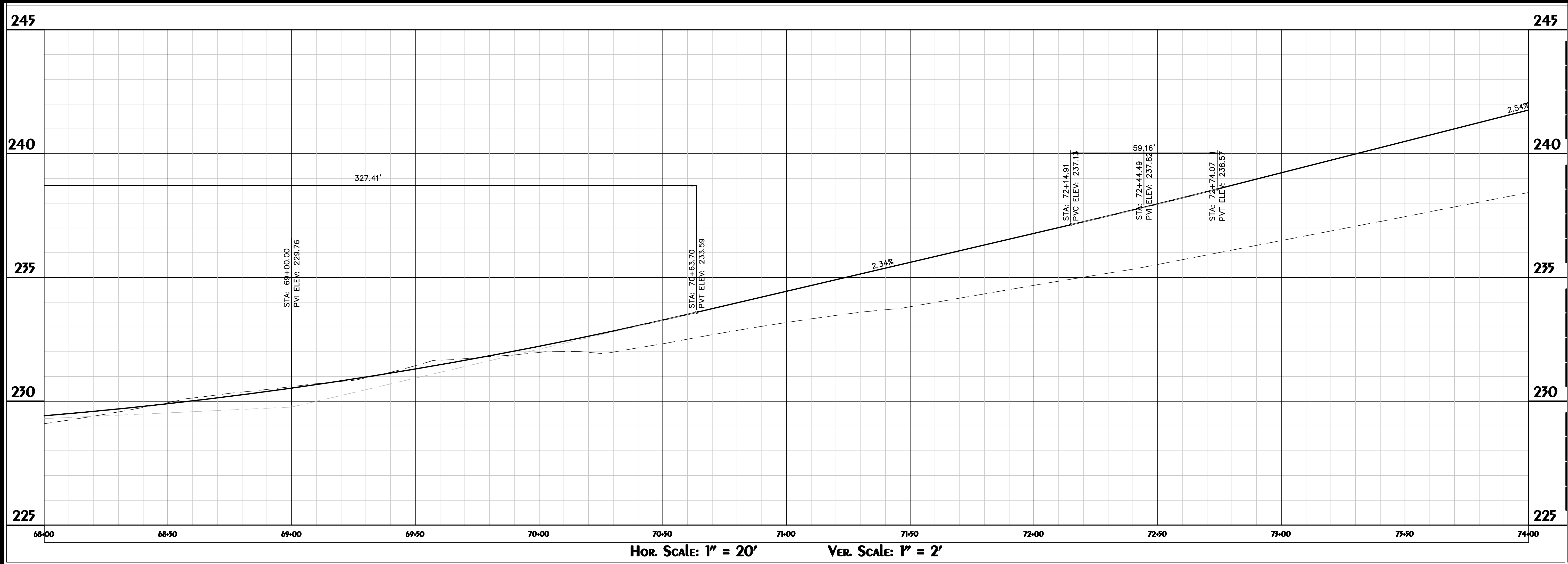
THE EROSION AND SEDIMENT CONTROL PLANS DO NOT CONTAIN APPROVED METHODS TO CONSTRUCT A STREAM DIVERSION OR STEAM DIVERSION CHANNEL FOR DRAINAGE WORK ALONG TWO CHOP ROAD, SPECIFICALLY THE DRAINAGE WORK FROM STATION 84+00 TO STATION 84+50 WITHIN AND INTERMITTENT STREAM, AND FROM STATION 63+00 TO STATION 64+00 WITHIN THE FRESH WATERS OF THE PERENNIAL STREAM, MILL CREEK. ADDITIONALLY, BOTH OF THESE LOCATIONS ARE CITED WITHIN THE EROSION AND SEDIMENT CONTROL PLANS AS NPDES STORMWATER DISCHARGE SAMPLING POINTS. THEREFORE, PRIOR TO THE PERFORMANCE OF THE DRAINAGE WORK AT BOTH LOCATIONS, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A DETAILED PLAN THAT CLEARLY DEFINES THE SEQUENCE OF OPERATIONS FOR DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF NEW STRUCTURES, WHILE ALSO PROVIDING FOR A TEMPORARY STREAM DIVERSION OR A STREAM DIVERSION CHANNEL THAT ADEQUATELY COMPLIES WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT.



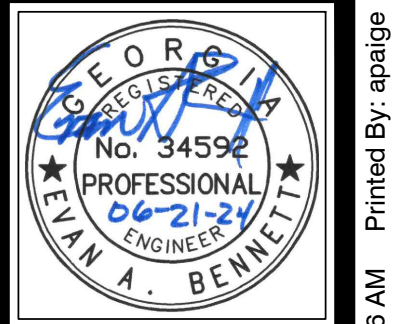
HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



Hor. Scale: 1" = 20' Ver. Scale: 1" = 2'



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	BY	DESCRIPTION

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.
 DATE: JUNE 21, 2024
 JOB NO. 122148117
 SCALE: 1" = 20'

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.13

2581 MOORE ROAD
028 000030 000
MACKY HOLDINGS LLC



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED DRAWN CHECKED

M.D.R. J.J.M. E.A.B.

DATE: JUNE 21, 2024

JOB NO. 122148117

SCALE: 1" = 20'

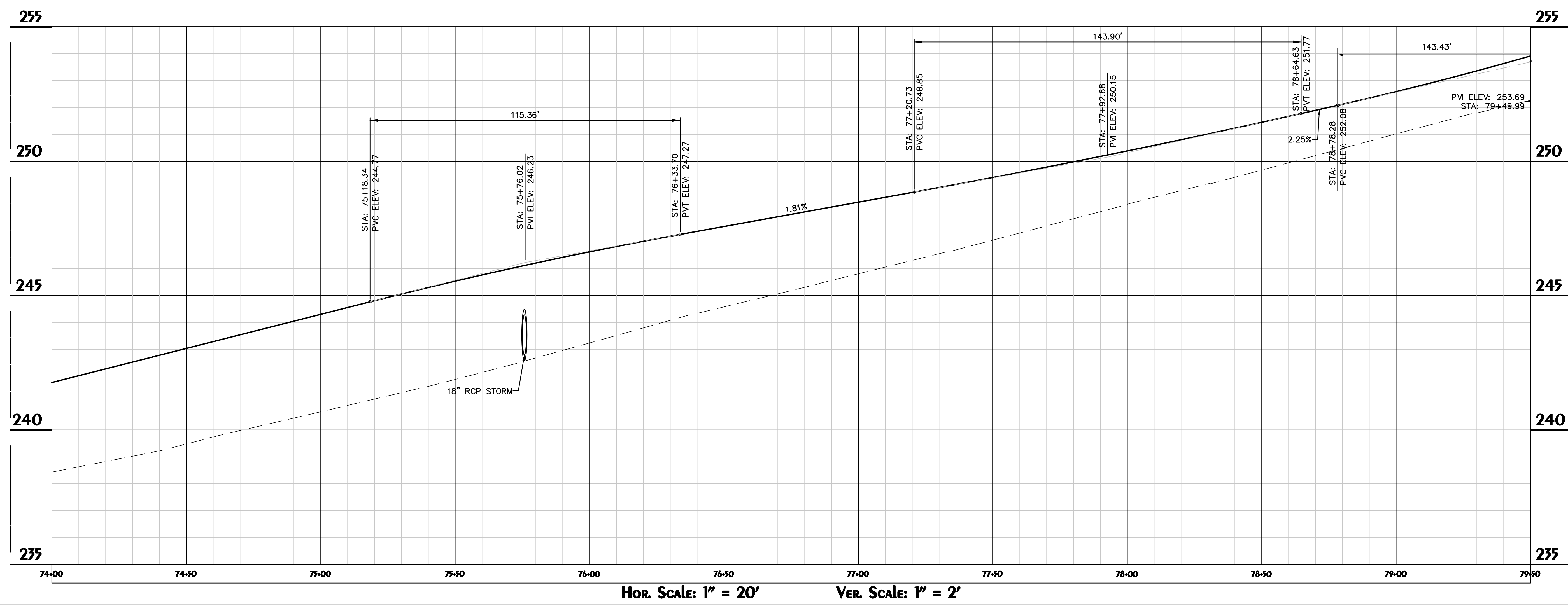
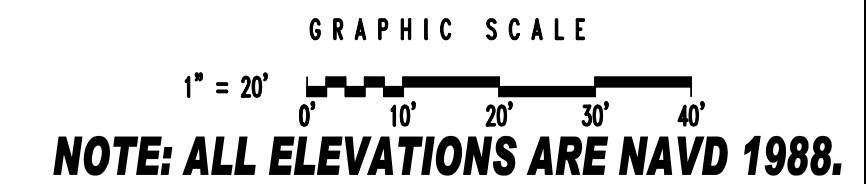
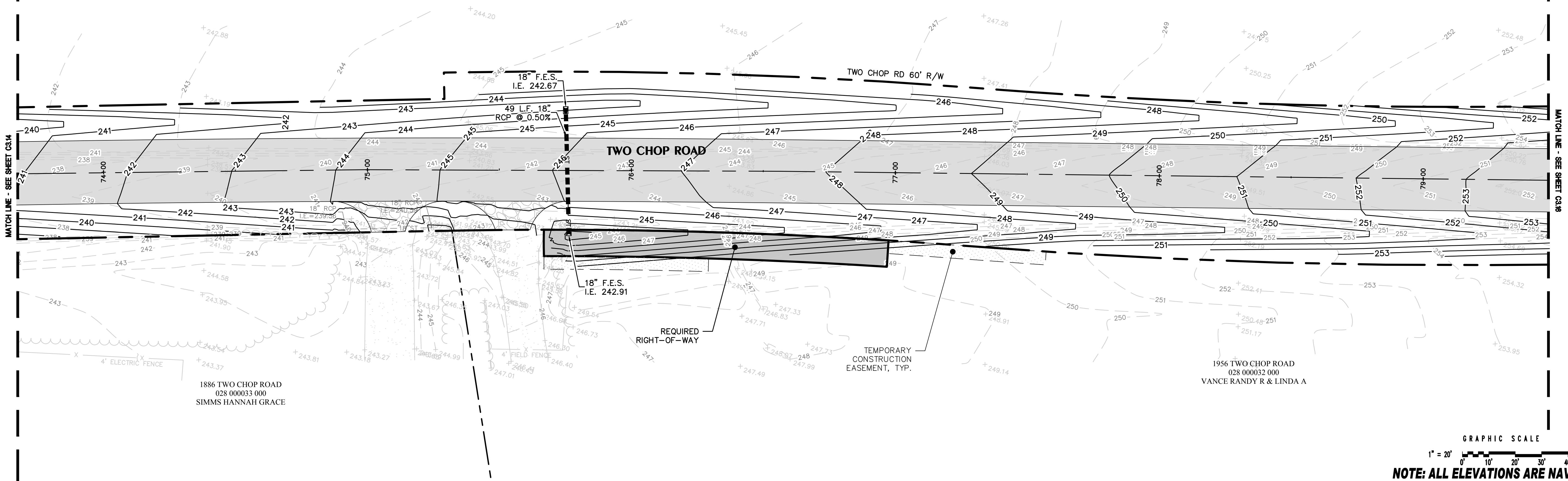
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER

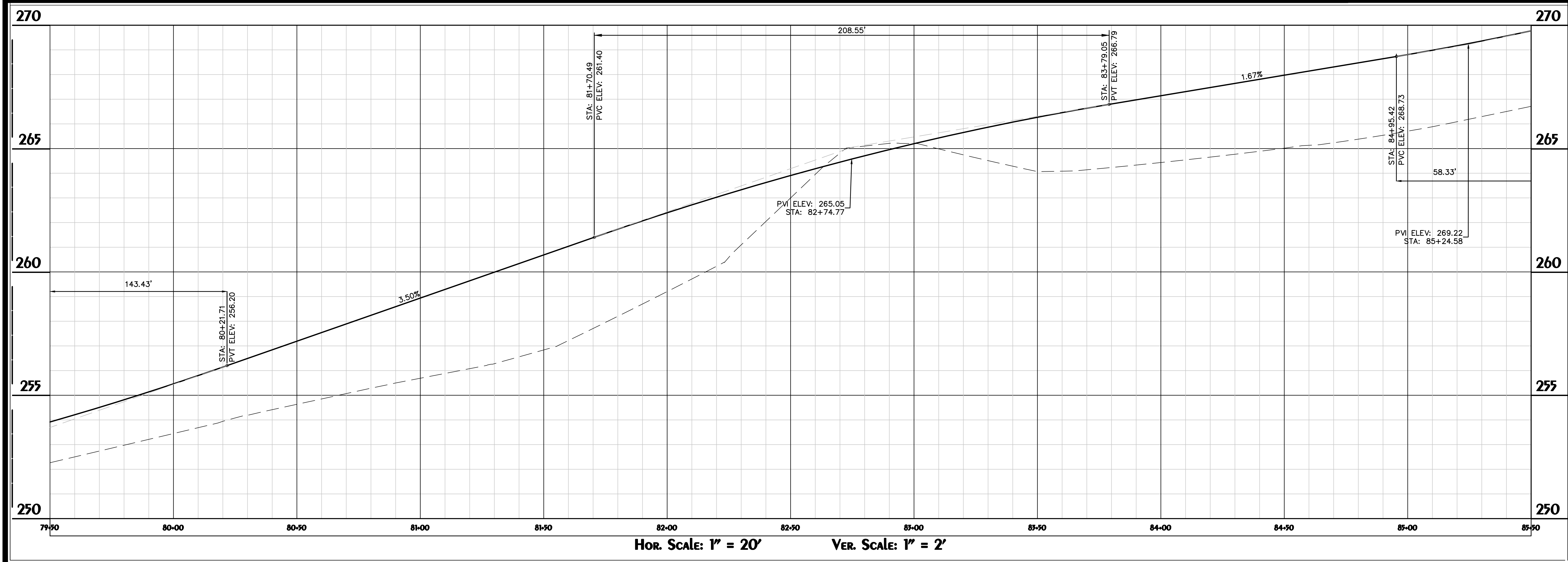
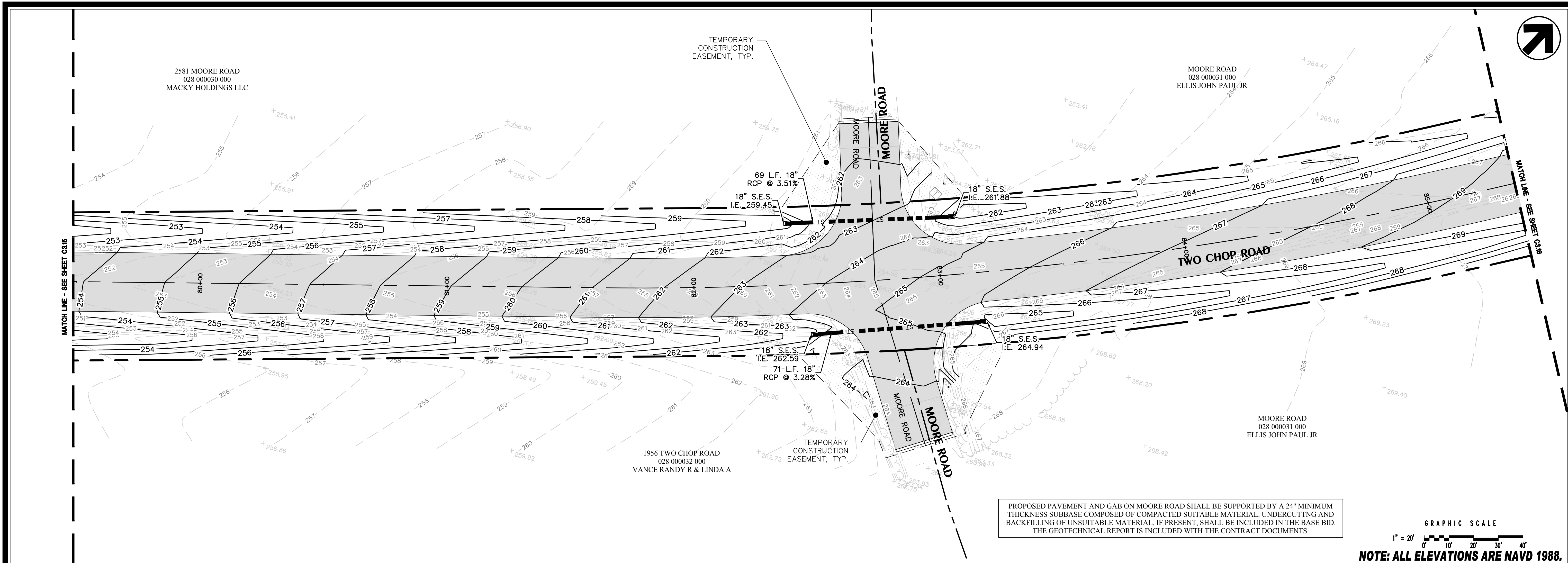
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HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



Professional Engineer
No. 34592
ELEANOR A. BENNETT

811
CALL IT BEFORE YOU DIG
SAFE DIGGING PRACTICE

HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.15

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HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

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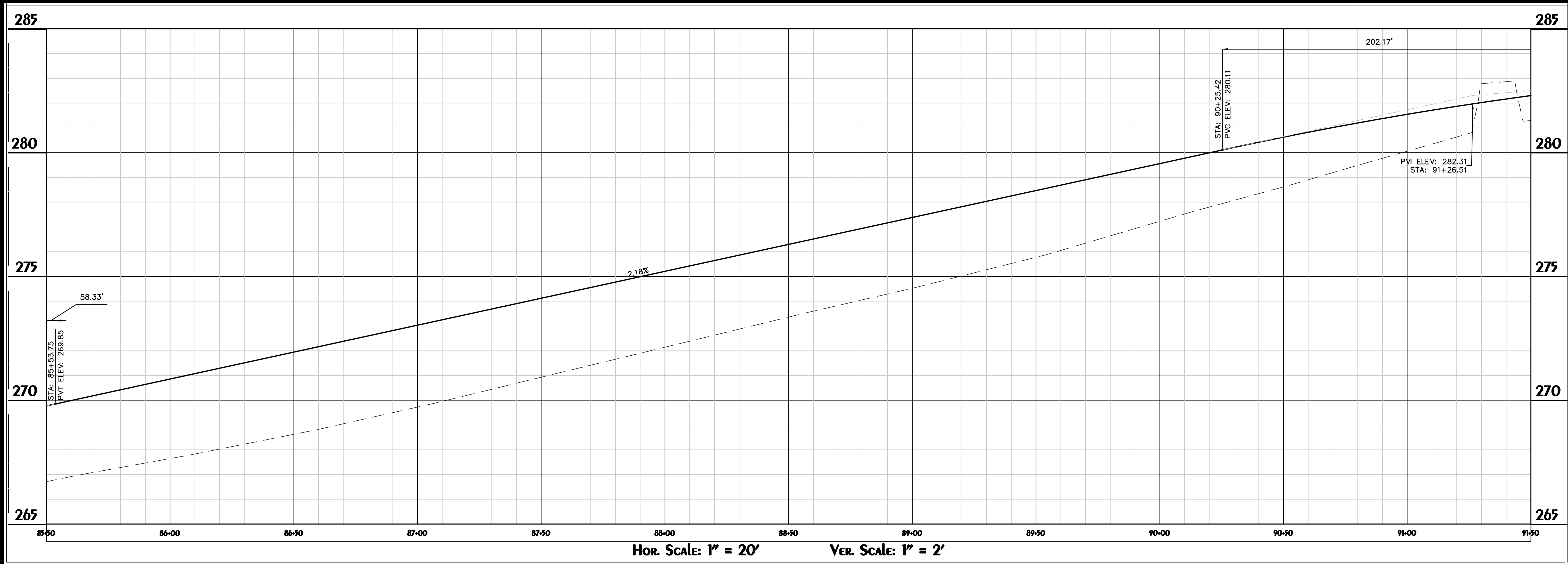
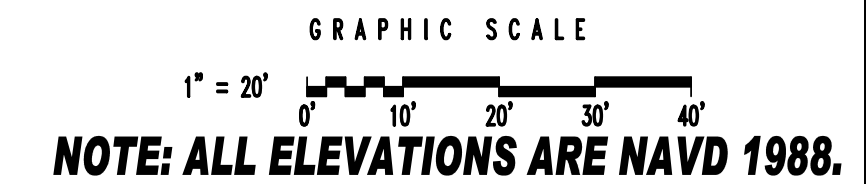
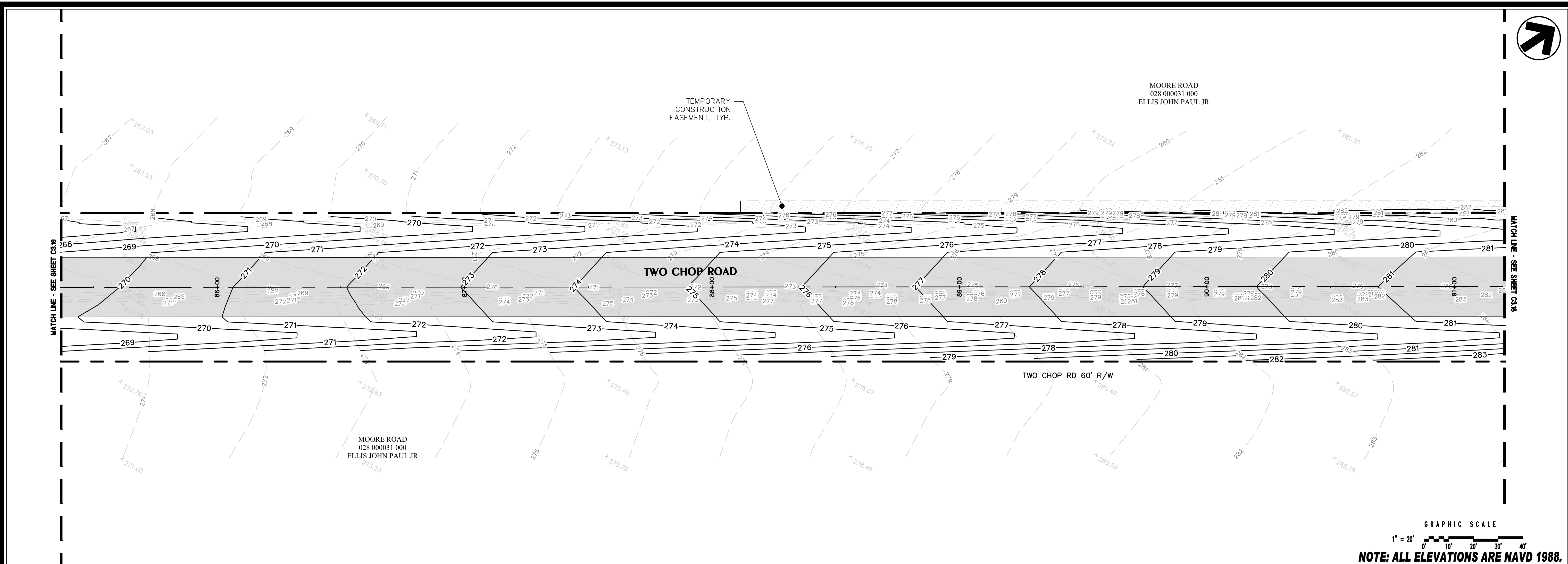
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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER

C3.16

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Hor. Scale: 1" = 20' Ver. Scale: 1" = 2'



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

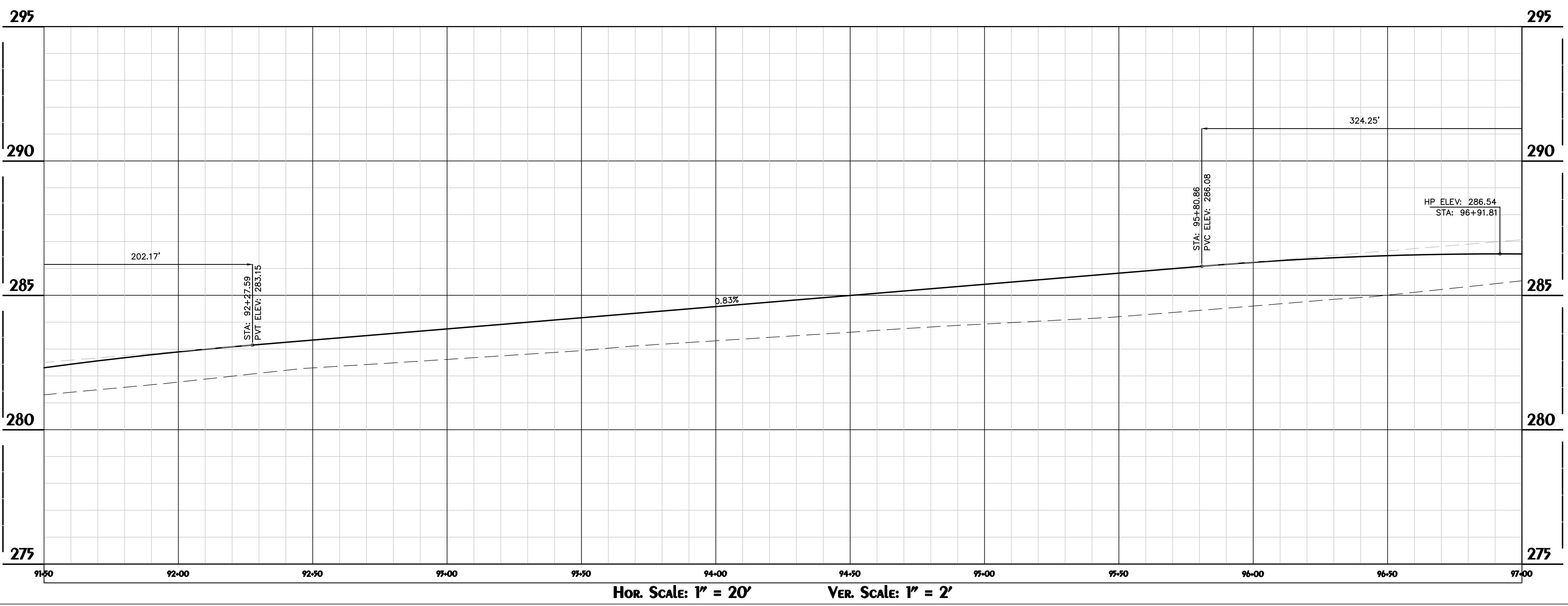
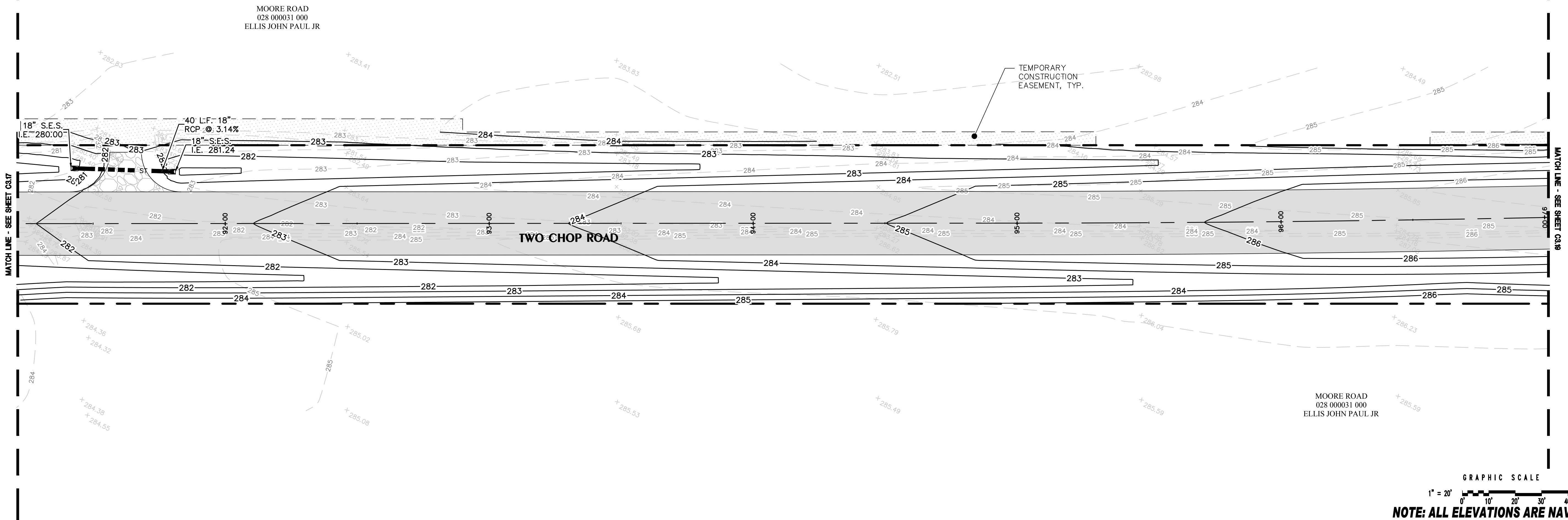
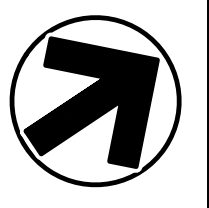
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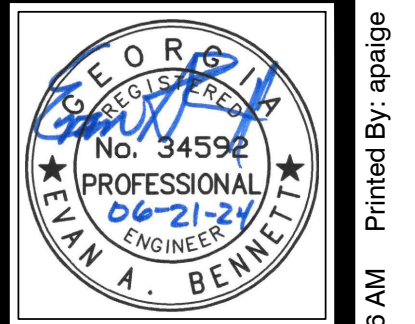
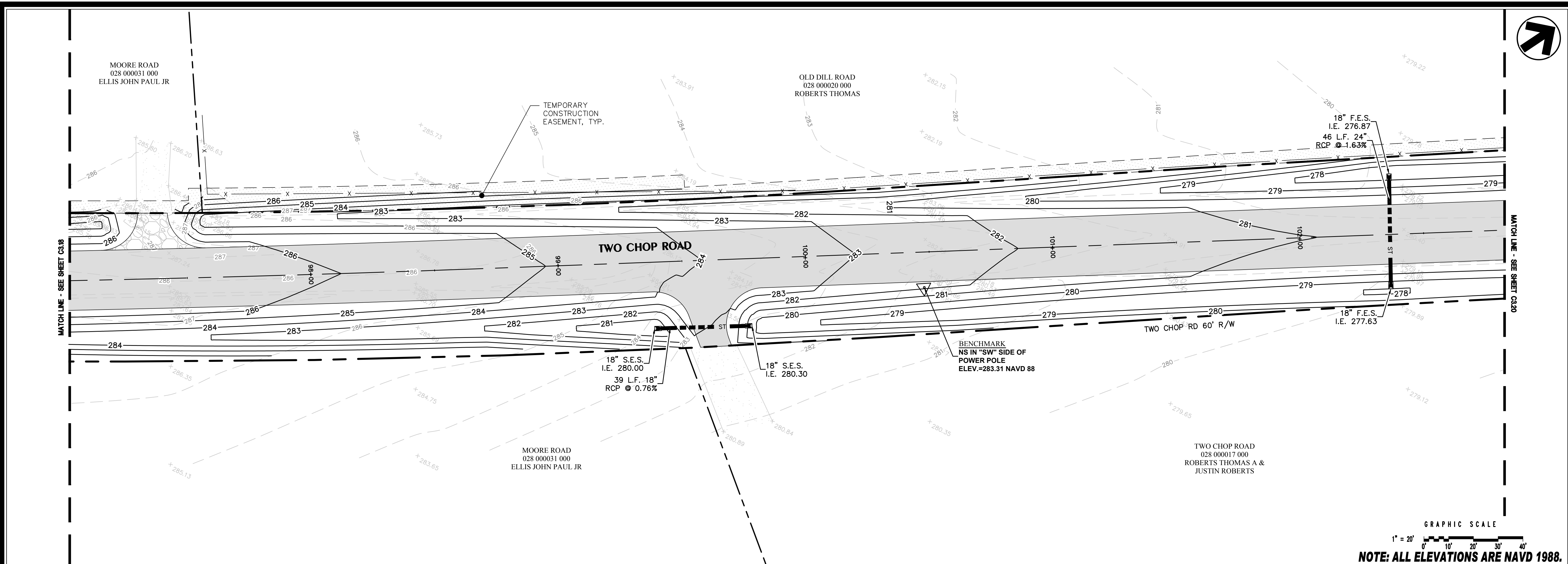
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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.17

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HUSSEY GAY BELL
Established 1958

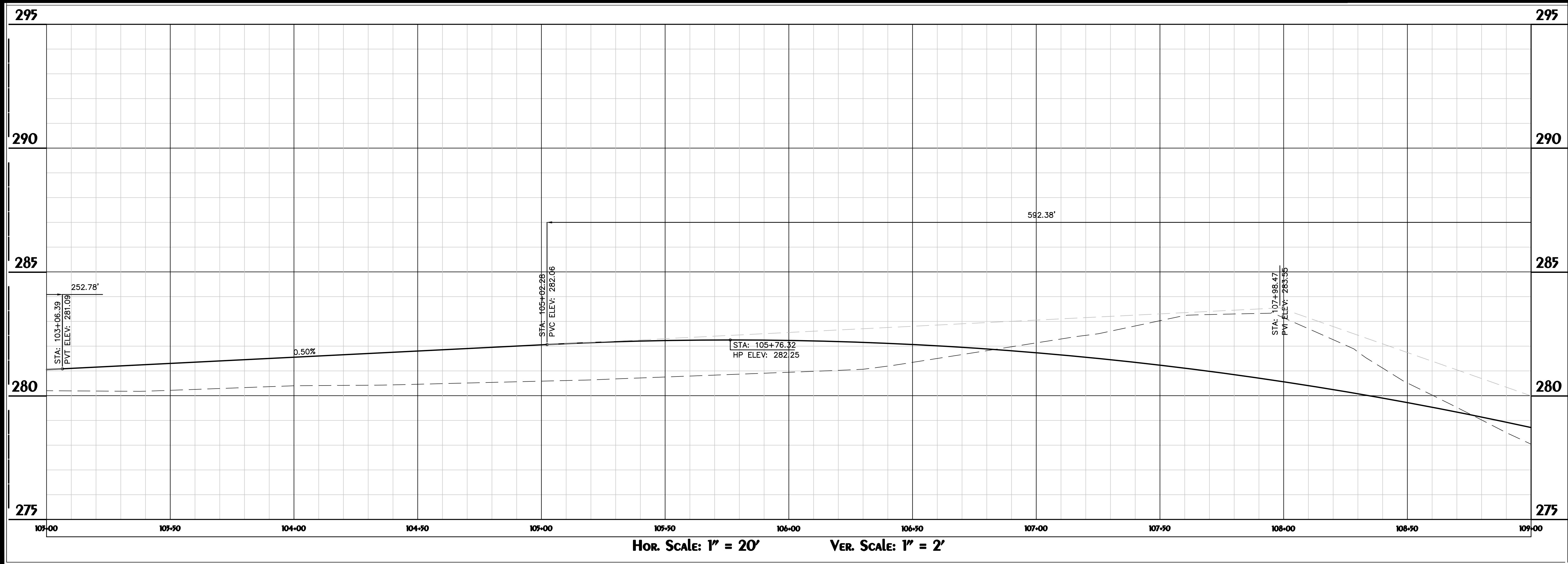
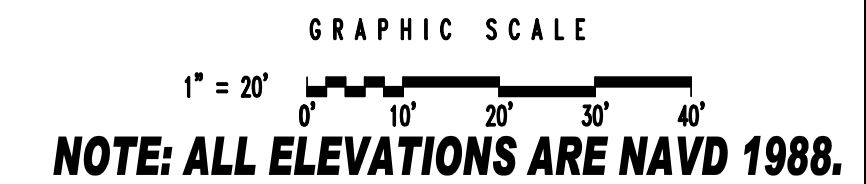
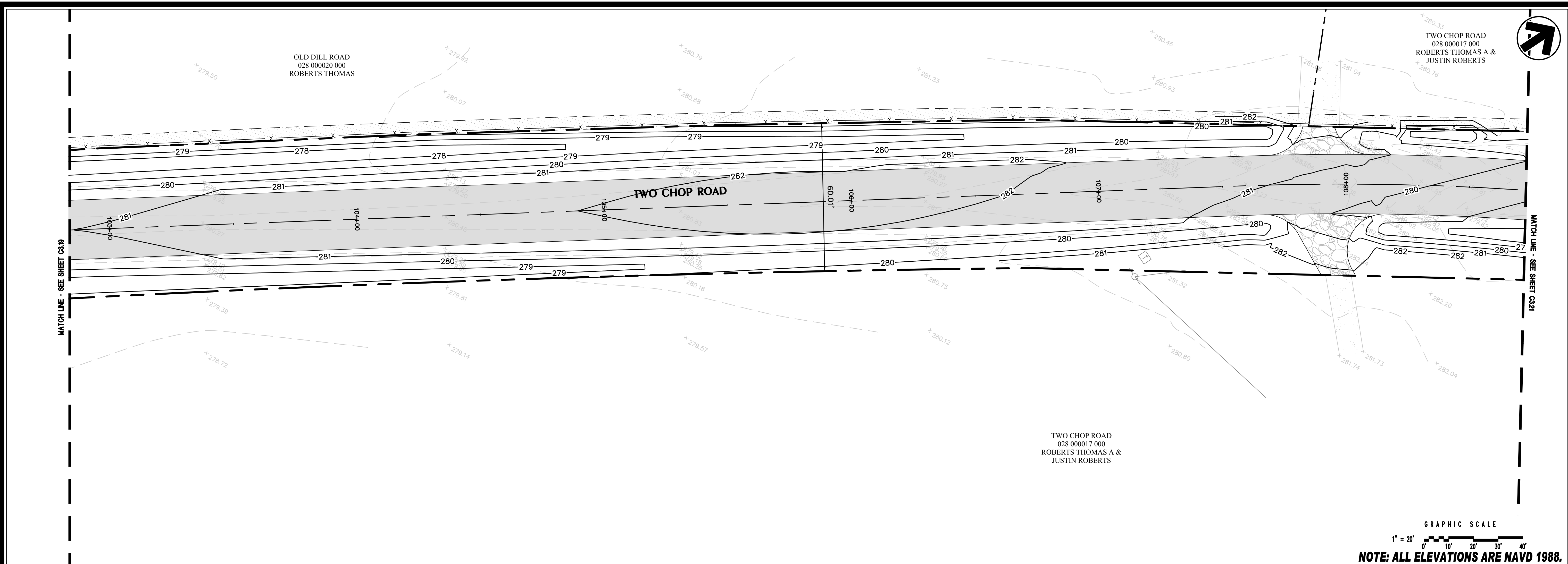
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

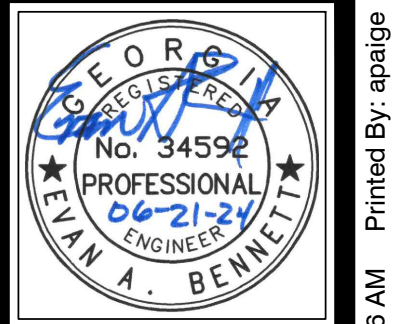
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.18



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



HUSSEY GAY BELL
 Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

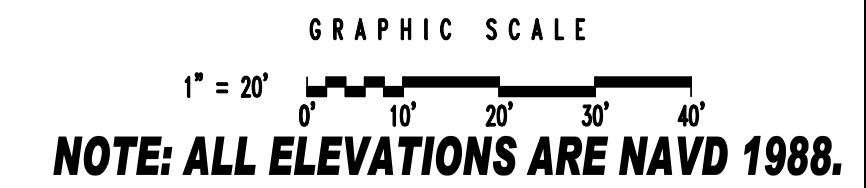
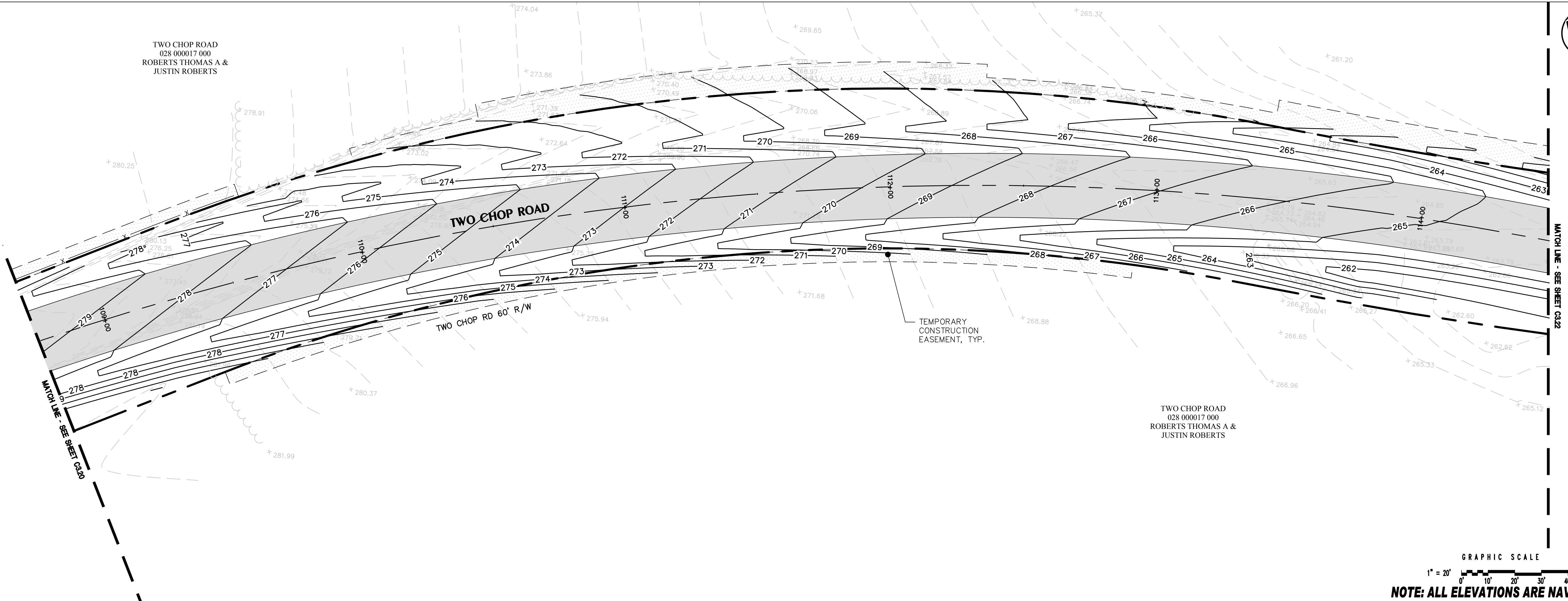
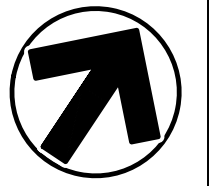
REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.19

TWO CHOP ROAD
028 000017 000
ROBERTS THOMAS A &
JUSTIN ROBERTS



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.20



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

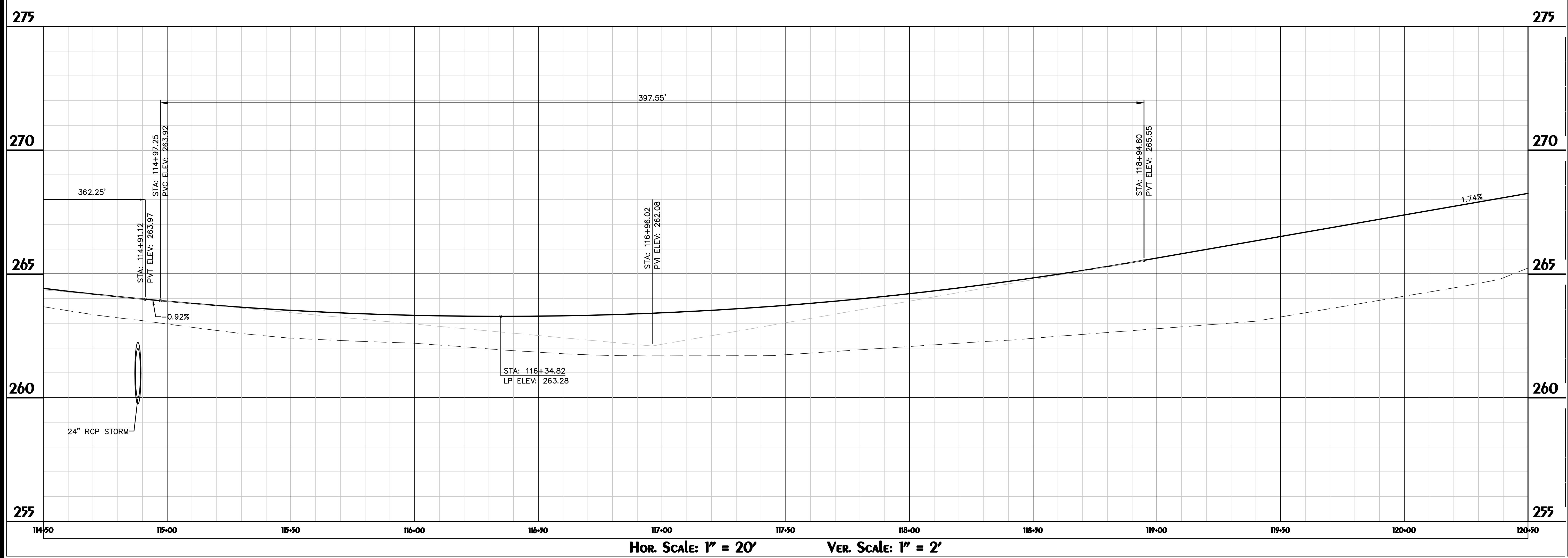
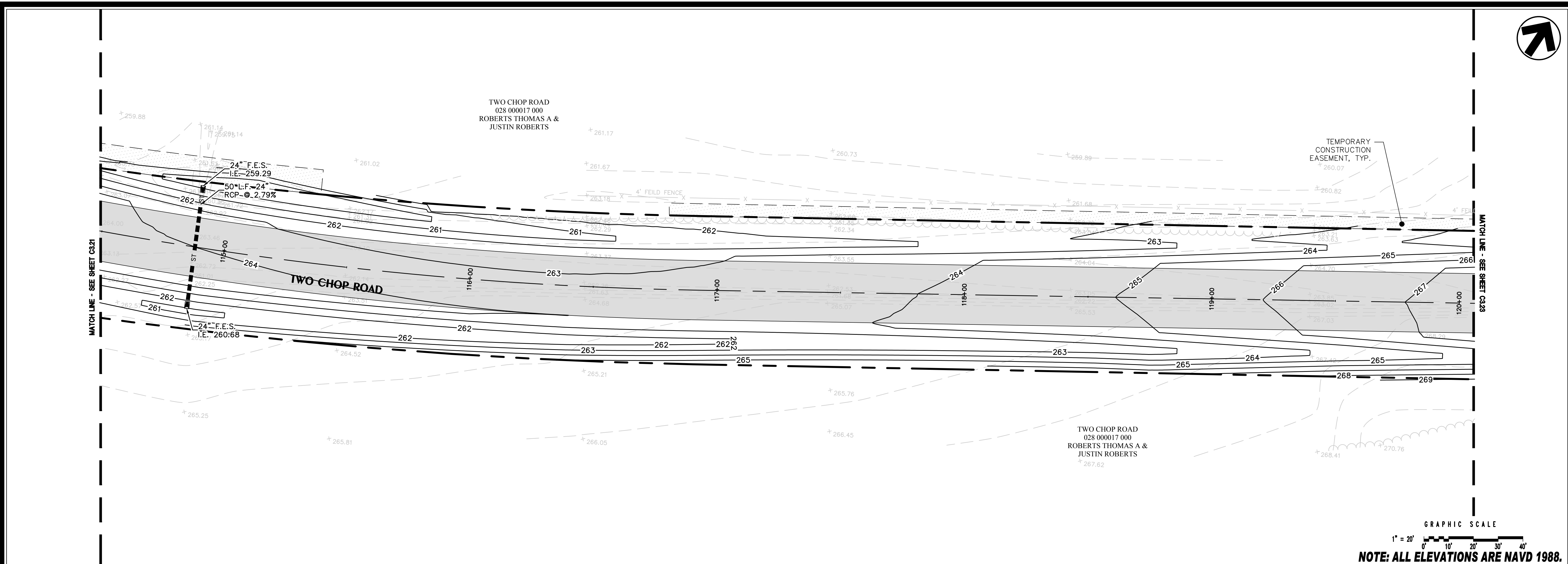
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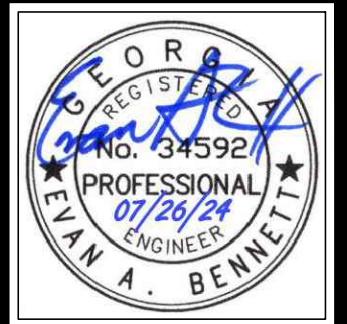
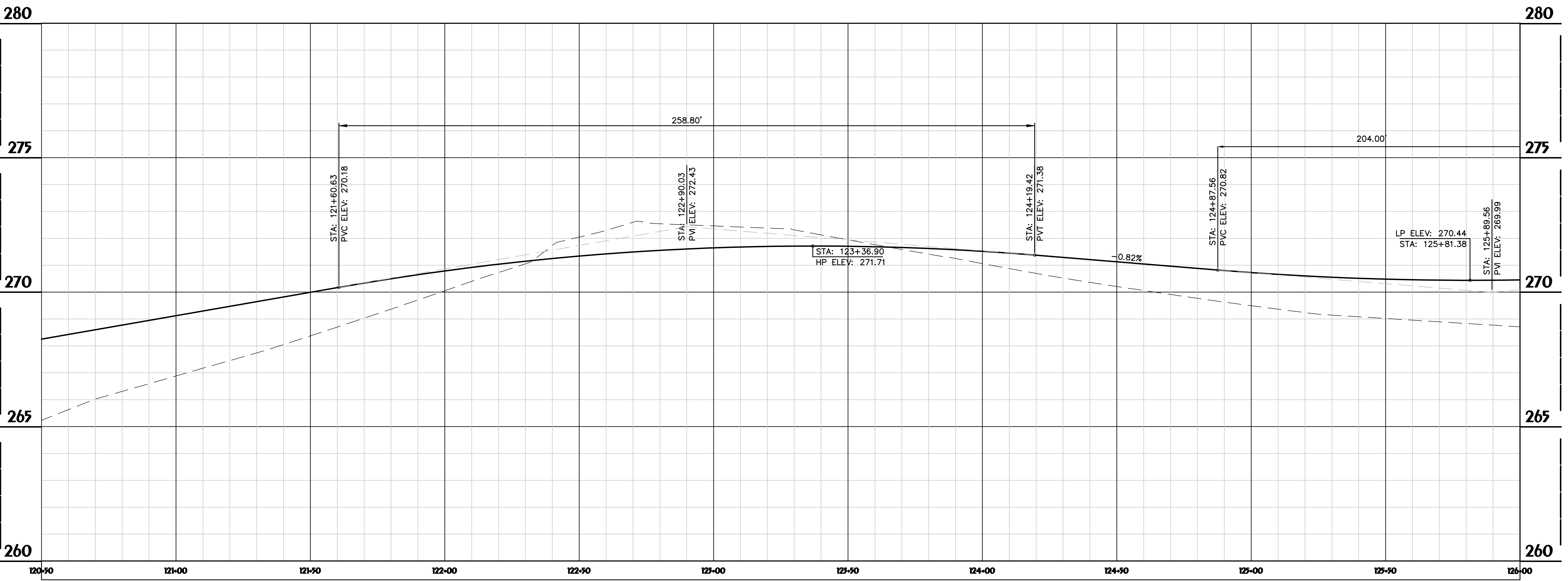
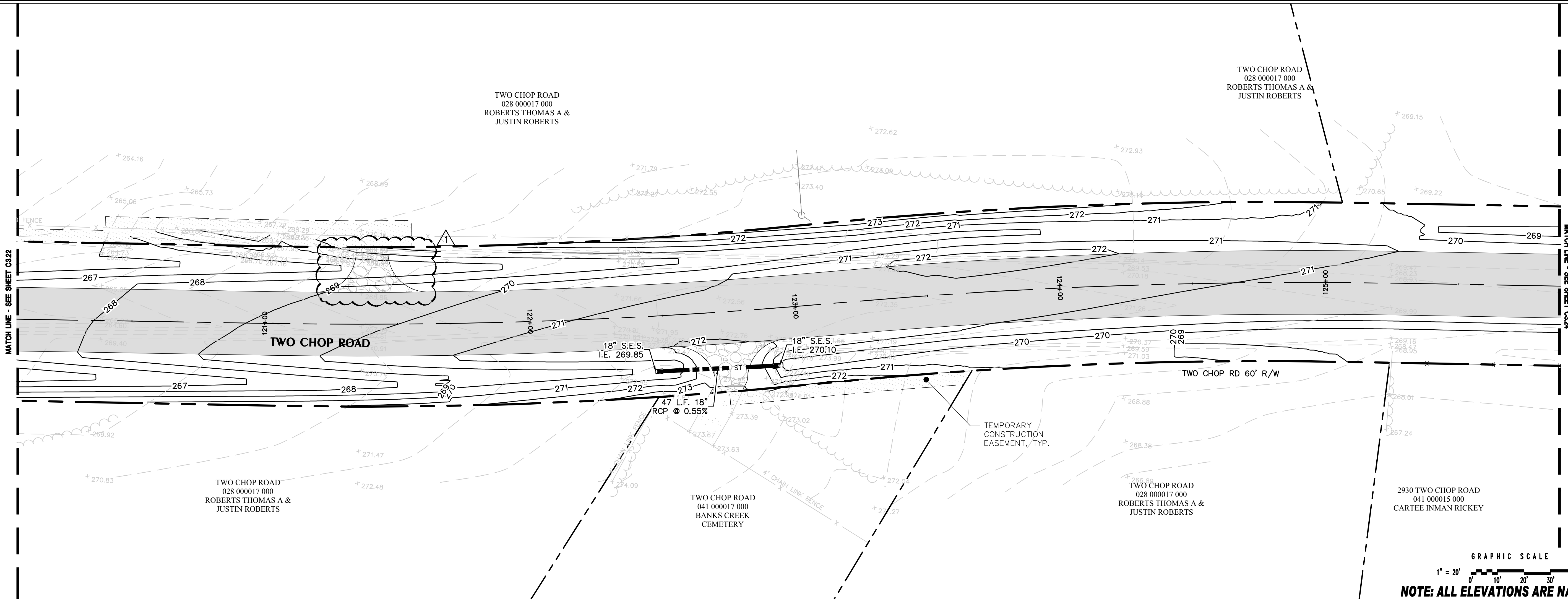
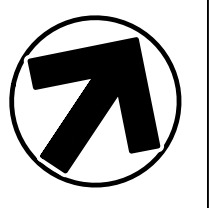
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.21

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HUSSEY GAY BELL
Established 1958

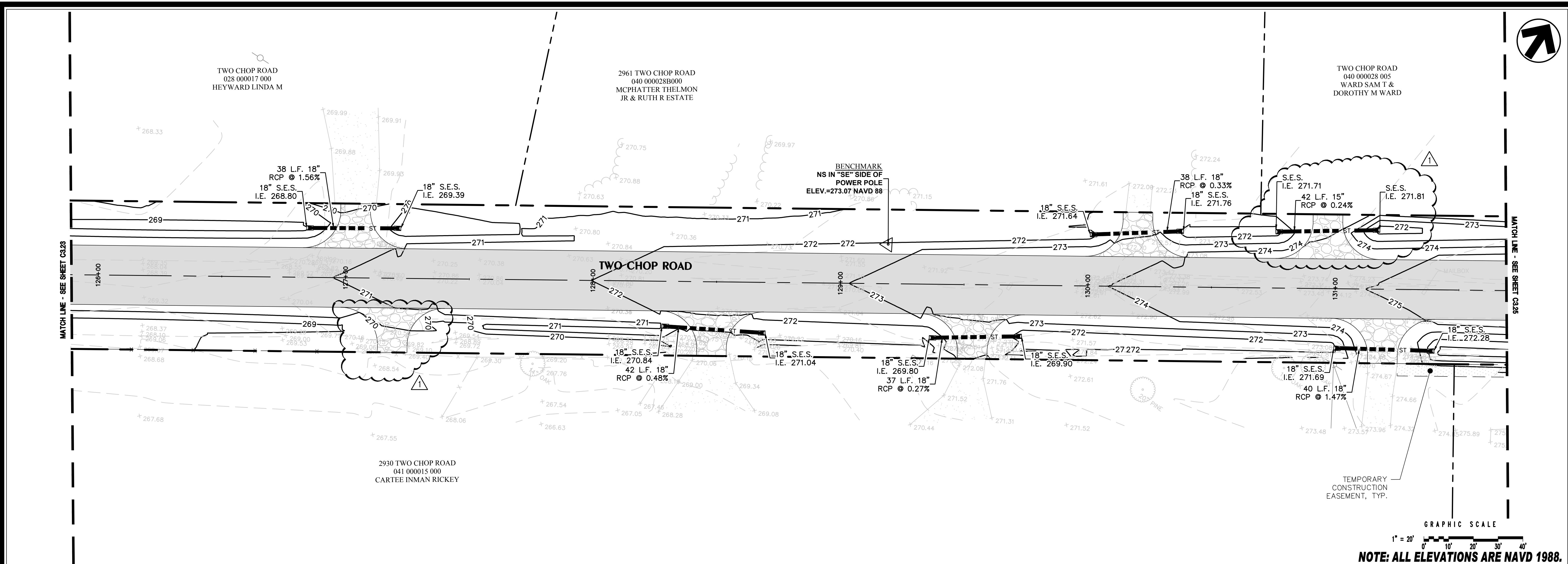
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

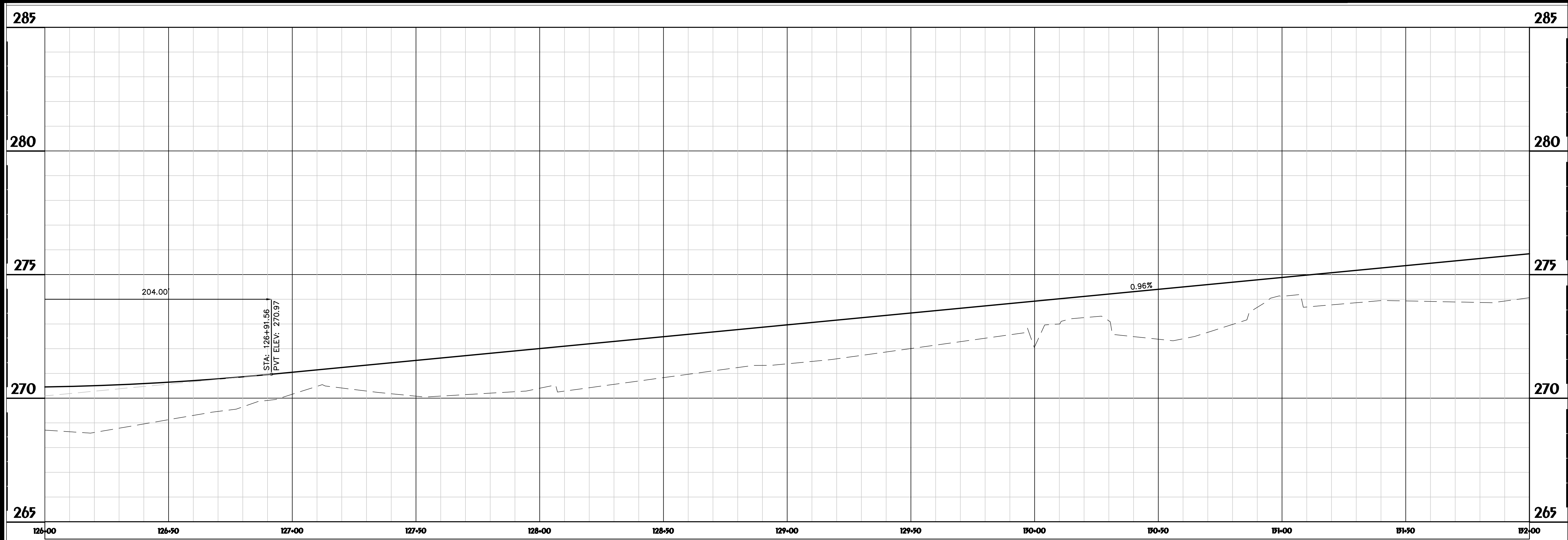
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

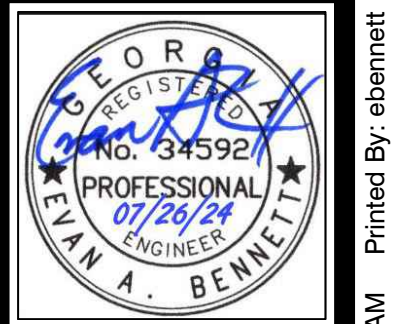
DRAWING NUMBER
C3.22



GRAPHIC SCALE
 1" = 20'
 NOTE: ALL ELEVATIONS ARE NAVD 1988.



Hor. Scale: 1" = 20' Ver. Scale: 1" = 2'



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

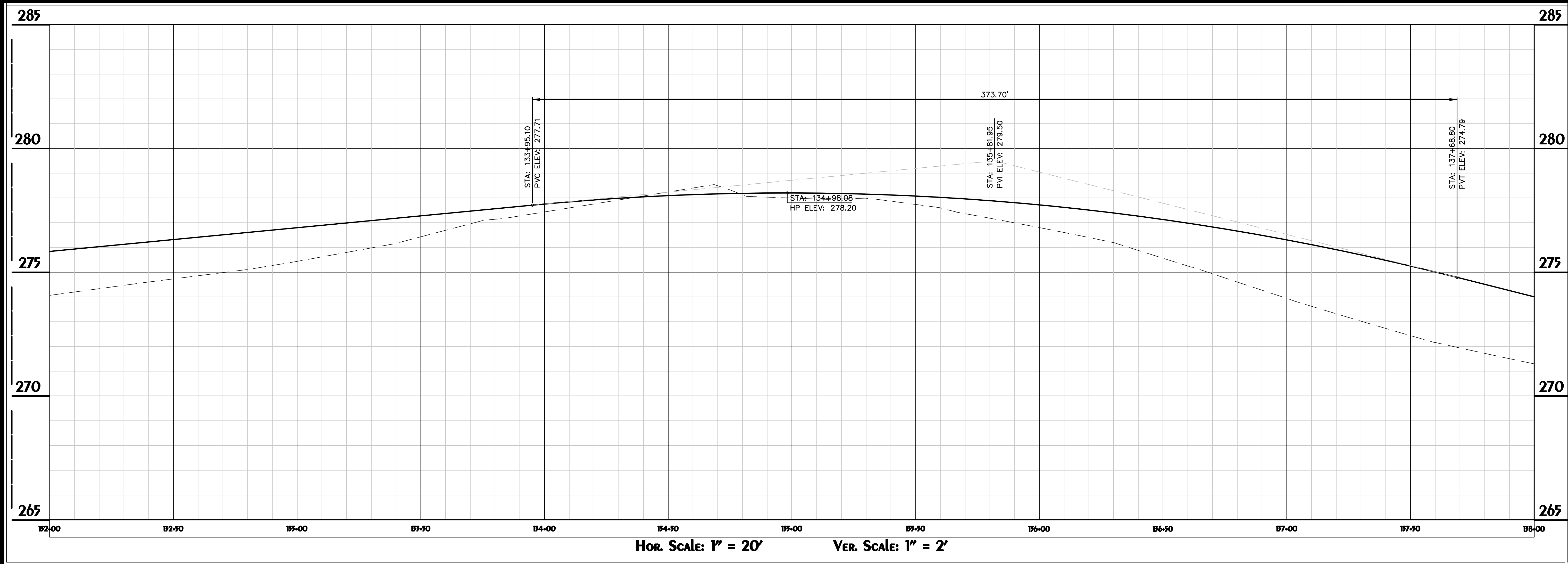
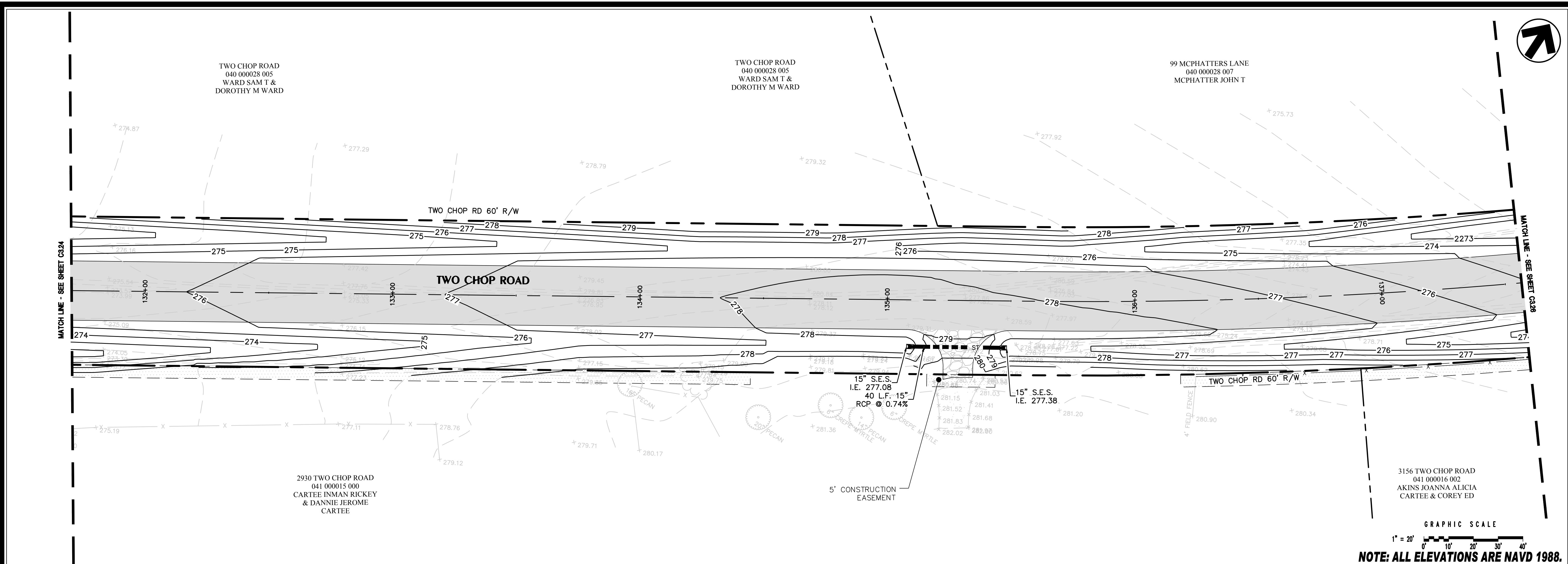
REVISIONS:

07/26/2024	AUGENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

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C3.23



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PROFESSIONAL ENGINEER
 No. 34592
 06-21-22
 KEVIN A. BENNETT

811
 CALL BEFORE YOU DIG
 SAFE DIGGING PARTNER

HUSSEY GAY BELL
 Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

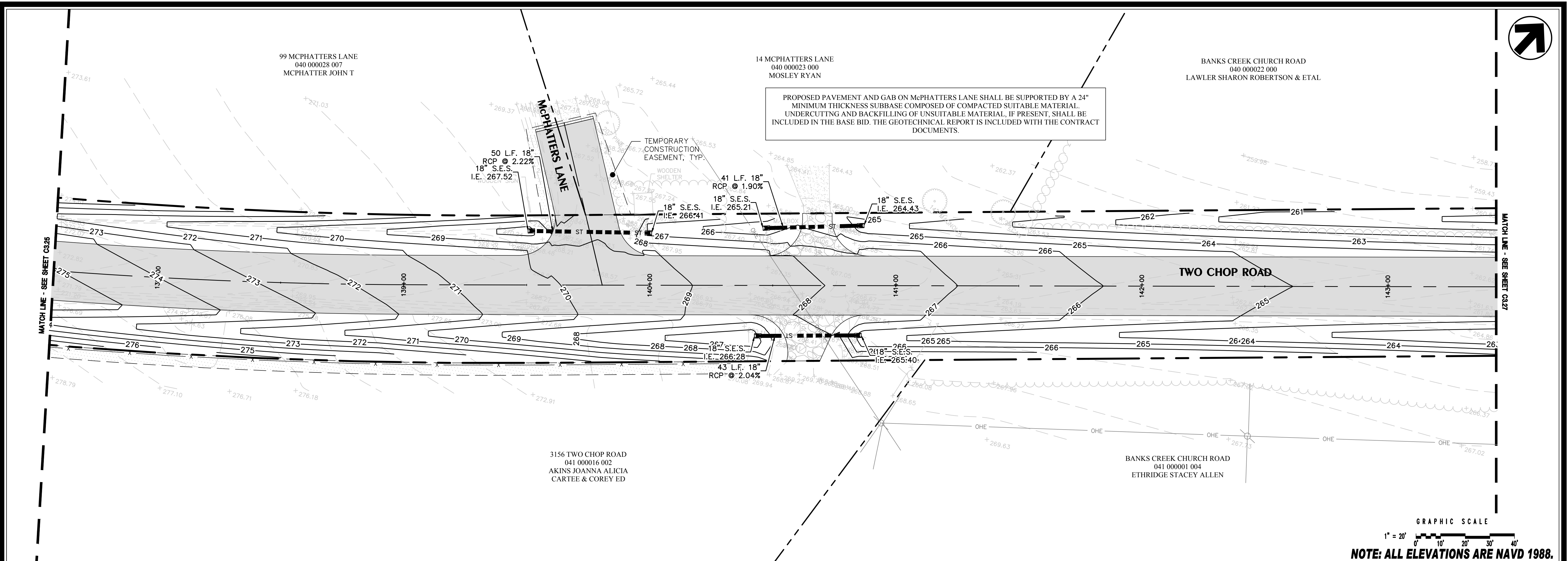
REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

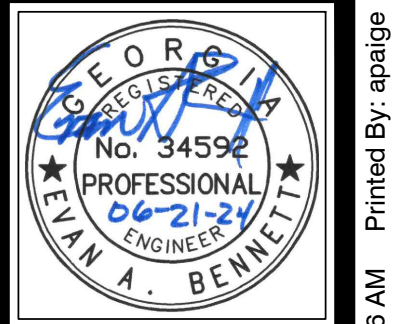
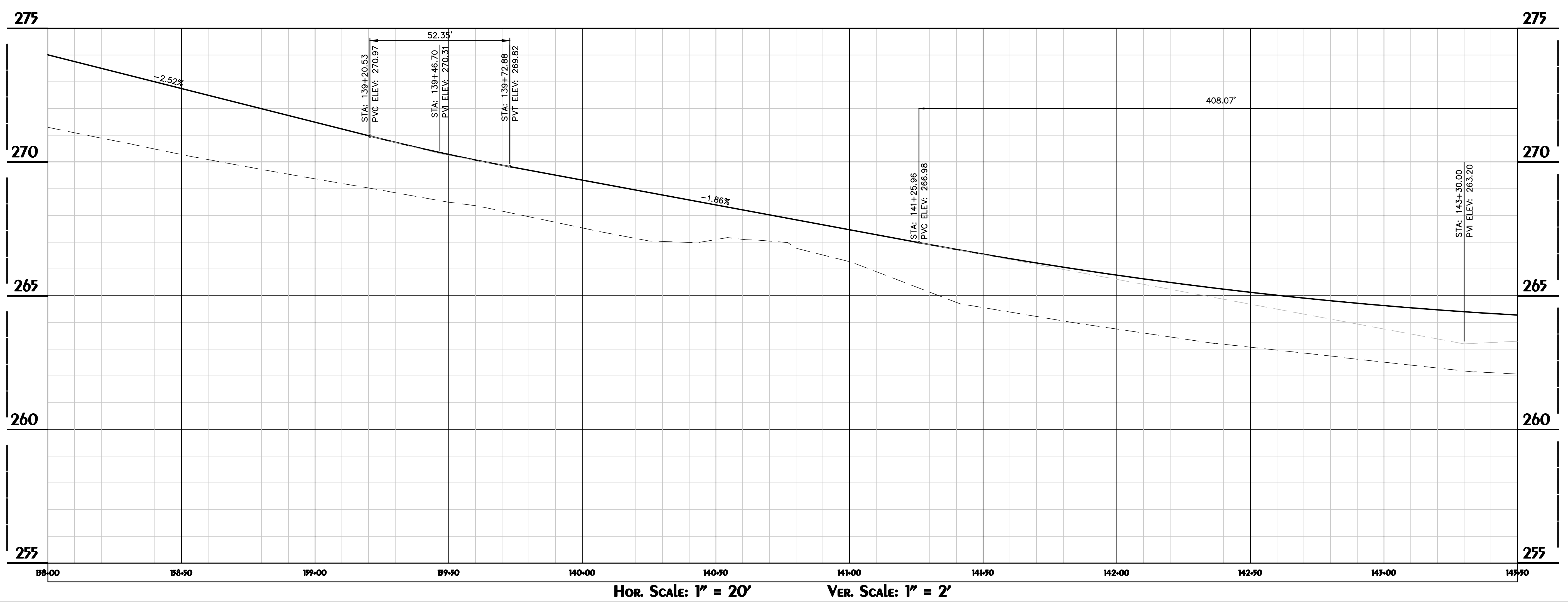
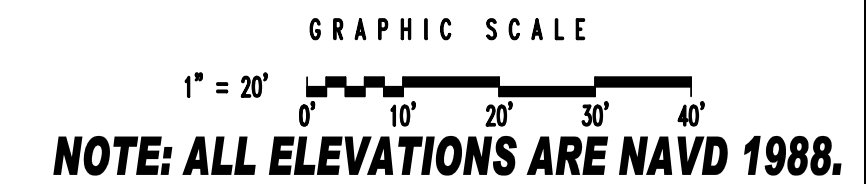
DATE: JUNE 21, 2024
 JOB NO. 122148117
 SCALE: 1" = 20'

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.24



PROPOSED PAVEMENT AND GAB ON MCPHATTERS LANE SHALL BE SUPPORTED BY A 24" MINIMUM THICKNESS SUBBASE COMPOSED OF COMPACTED SUITABLE MATERIAL. UNDERCUTTING AND BACKFILLING OF UNSUITABLE MATERIAL, IF PRESENT, SHALL BE INCLUDED IN THE BASE BID. THE GEOTECHNICAL REPORT IS INCLUDED WITH THE CONTRACT DOCUMENTS.



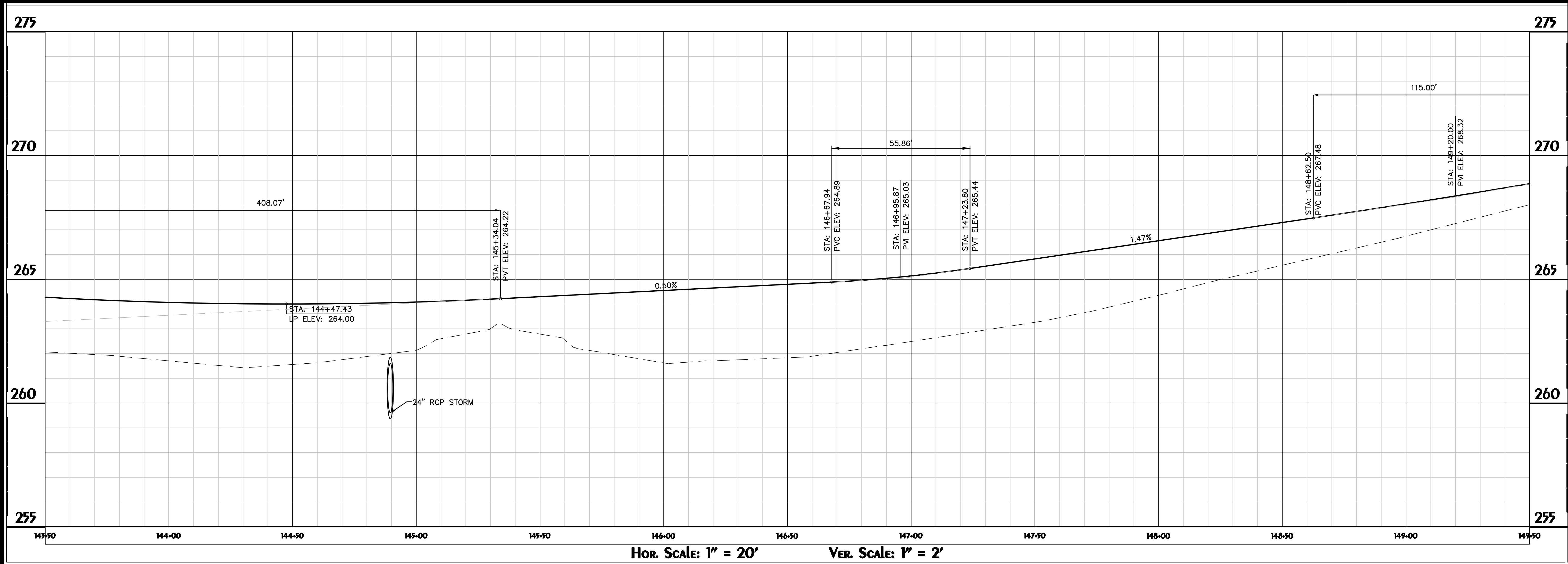
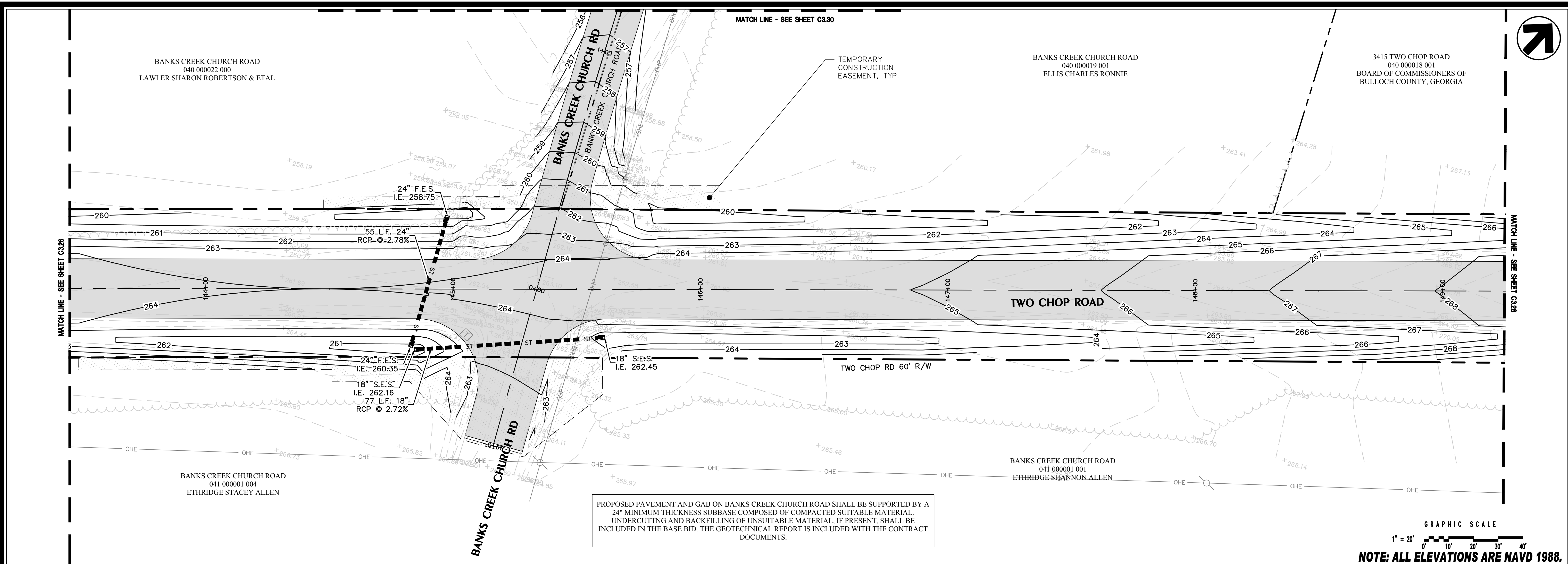
HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.25



HUSSEY GAY BELL
Established 1958

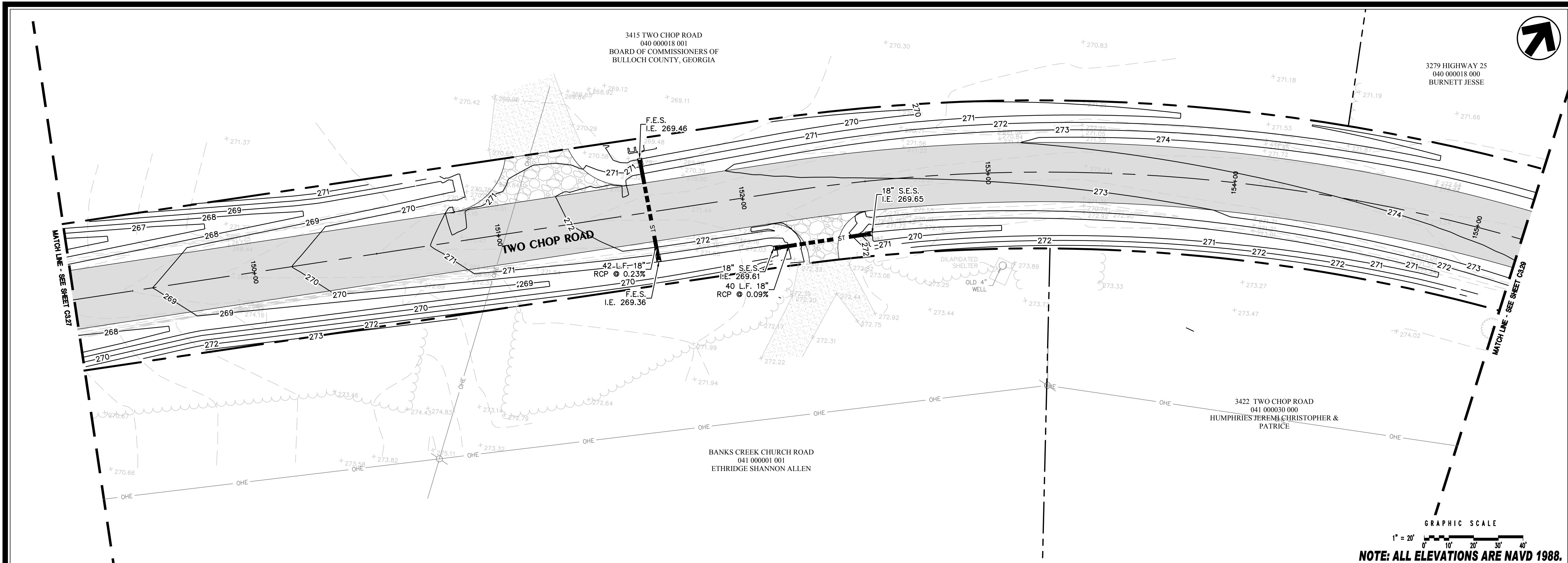
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.
DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

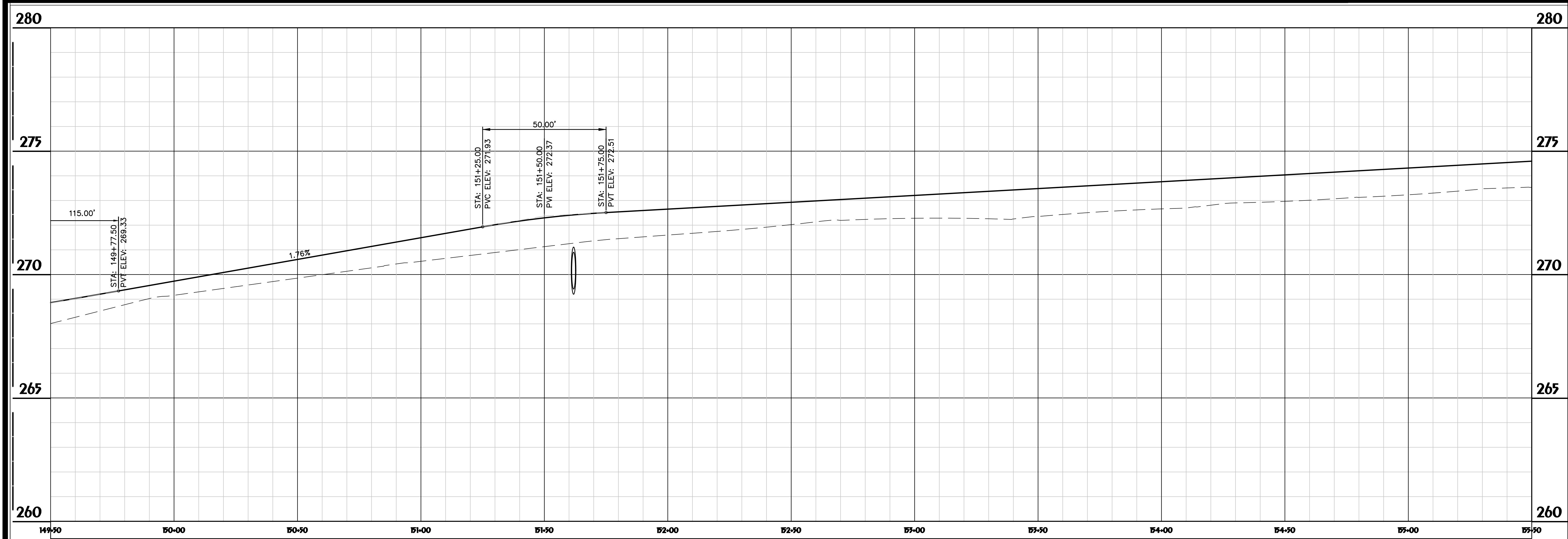
DRAWING NUMBER
C3.26

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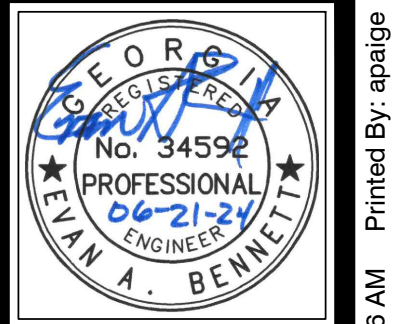


GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



HOR. SCALE: 1" = 20'
 VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958

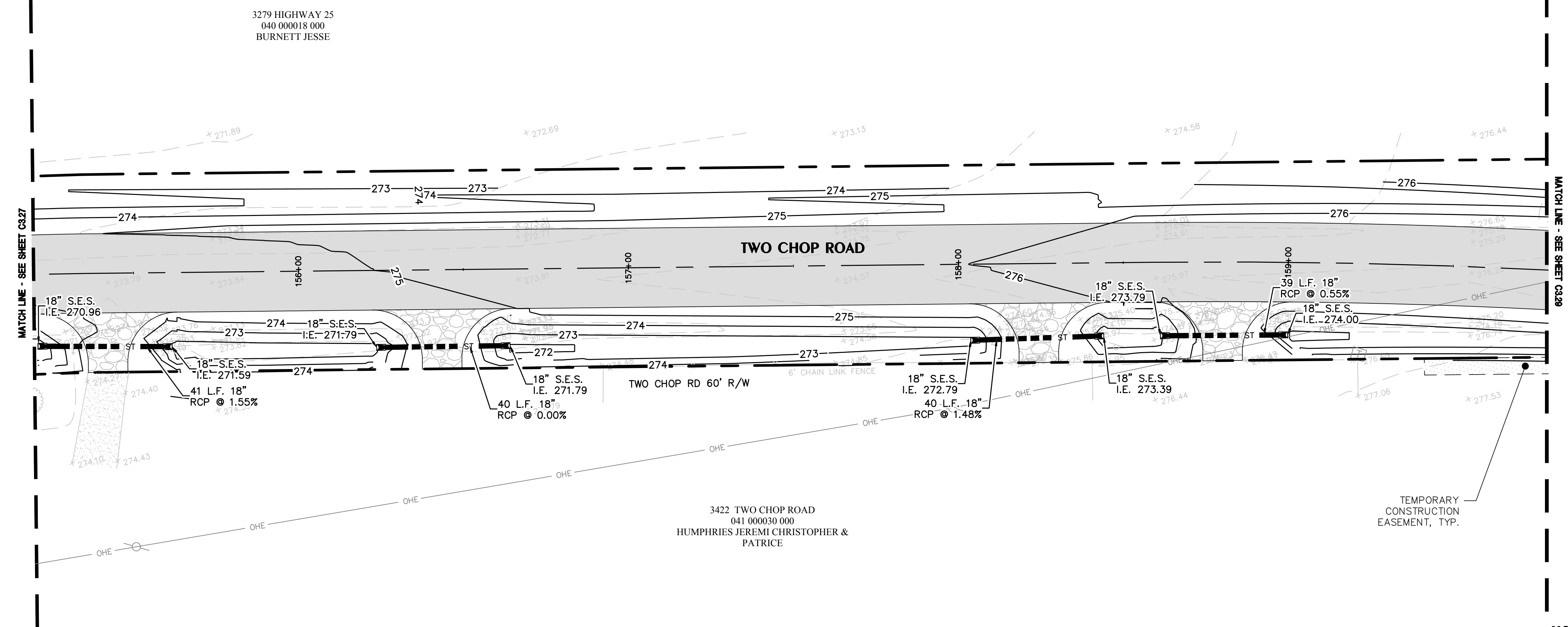
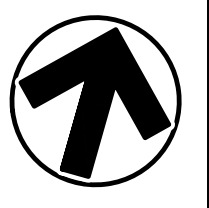
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
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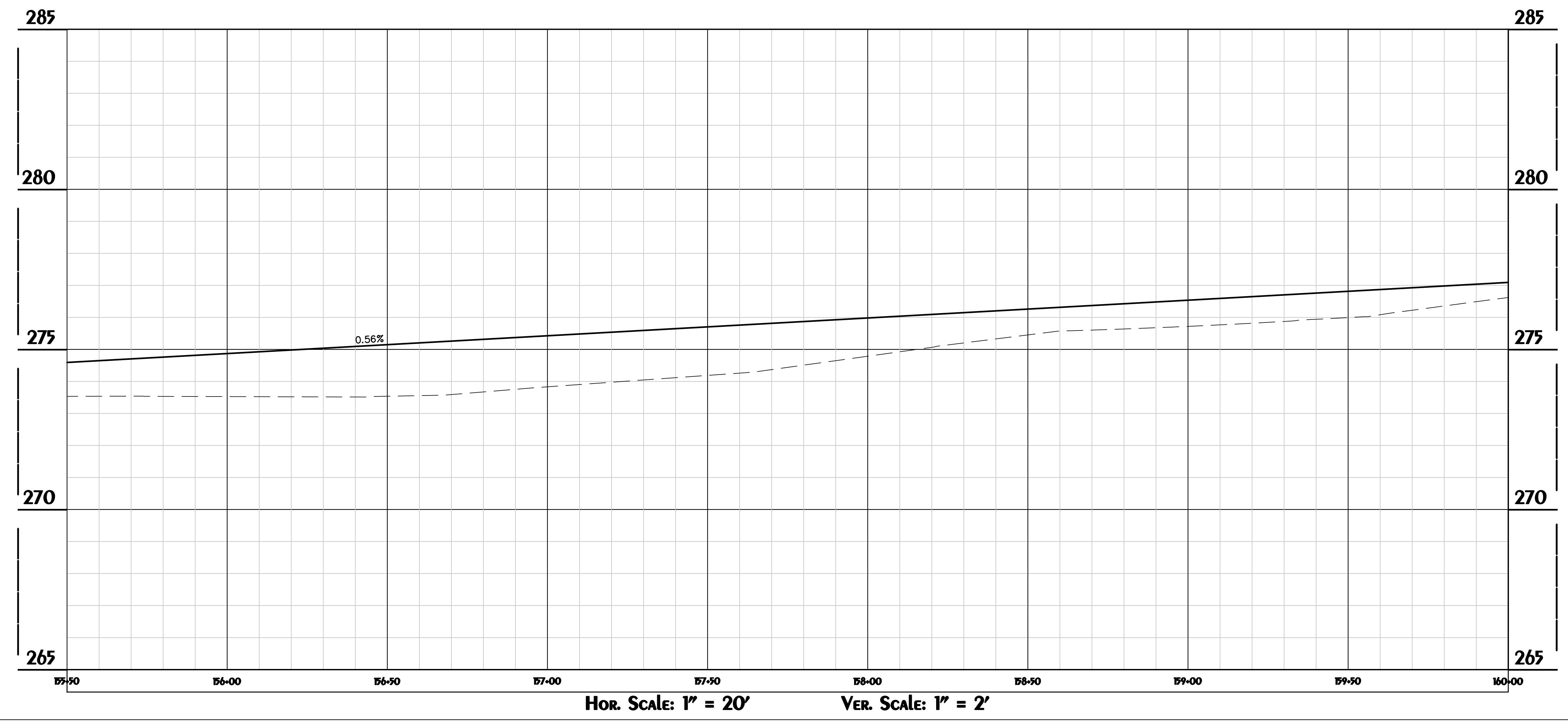
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.27



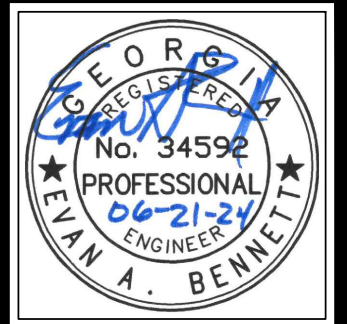
GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



3279 HIGHWAY 25
 040 000018 000
 BURNETT JESSE

3422 TWO CHOP ROAD
 041 000030 000
 HUMPHRIES JEREMI CHRISTOPHER &
 PATRICE



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

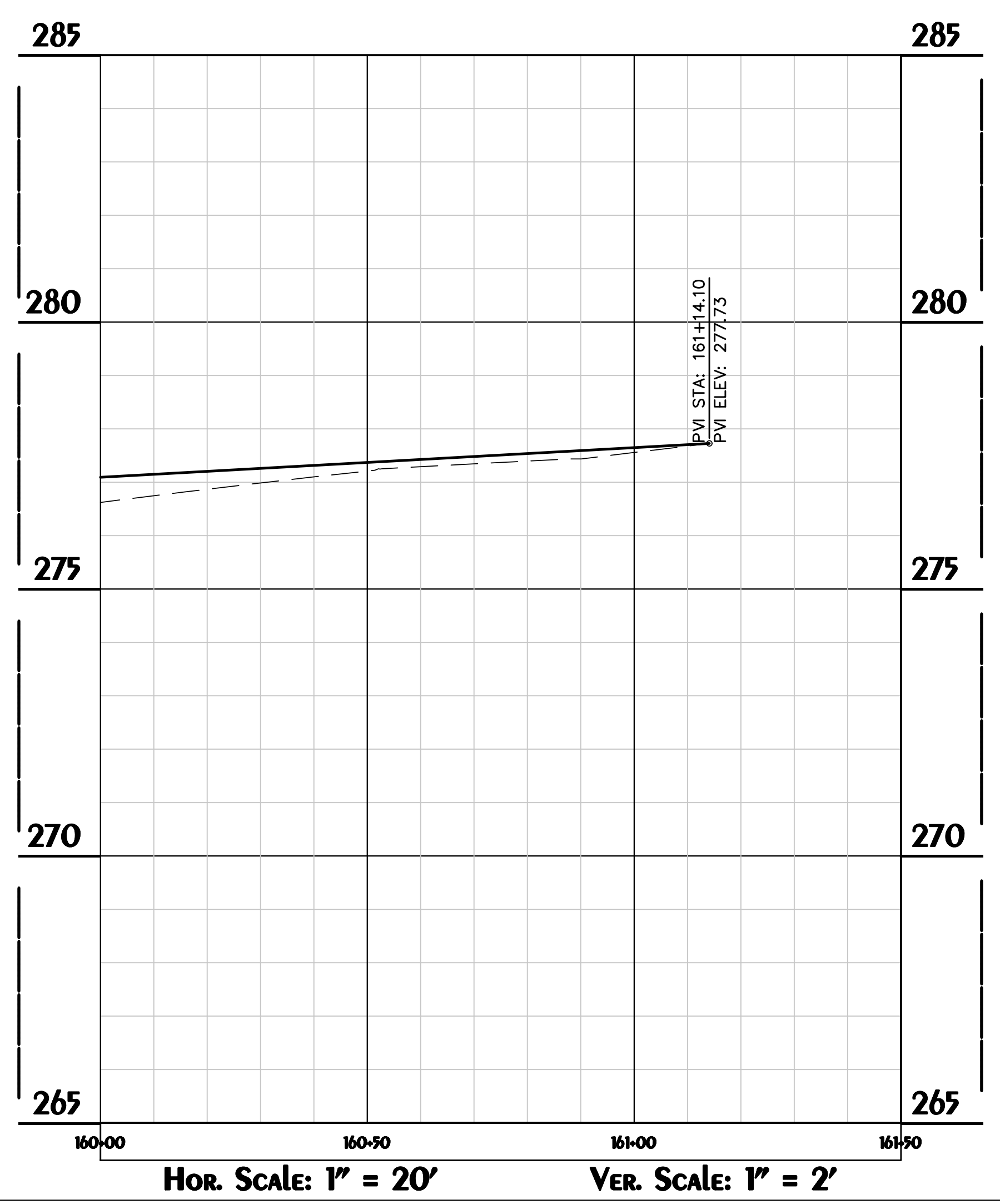
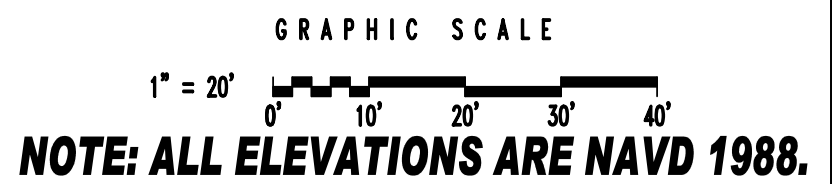
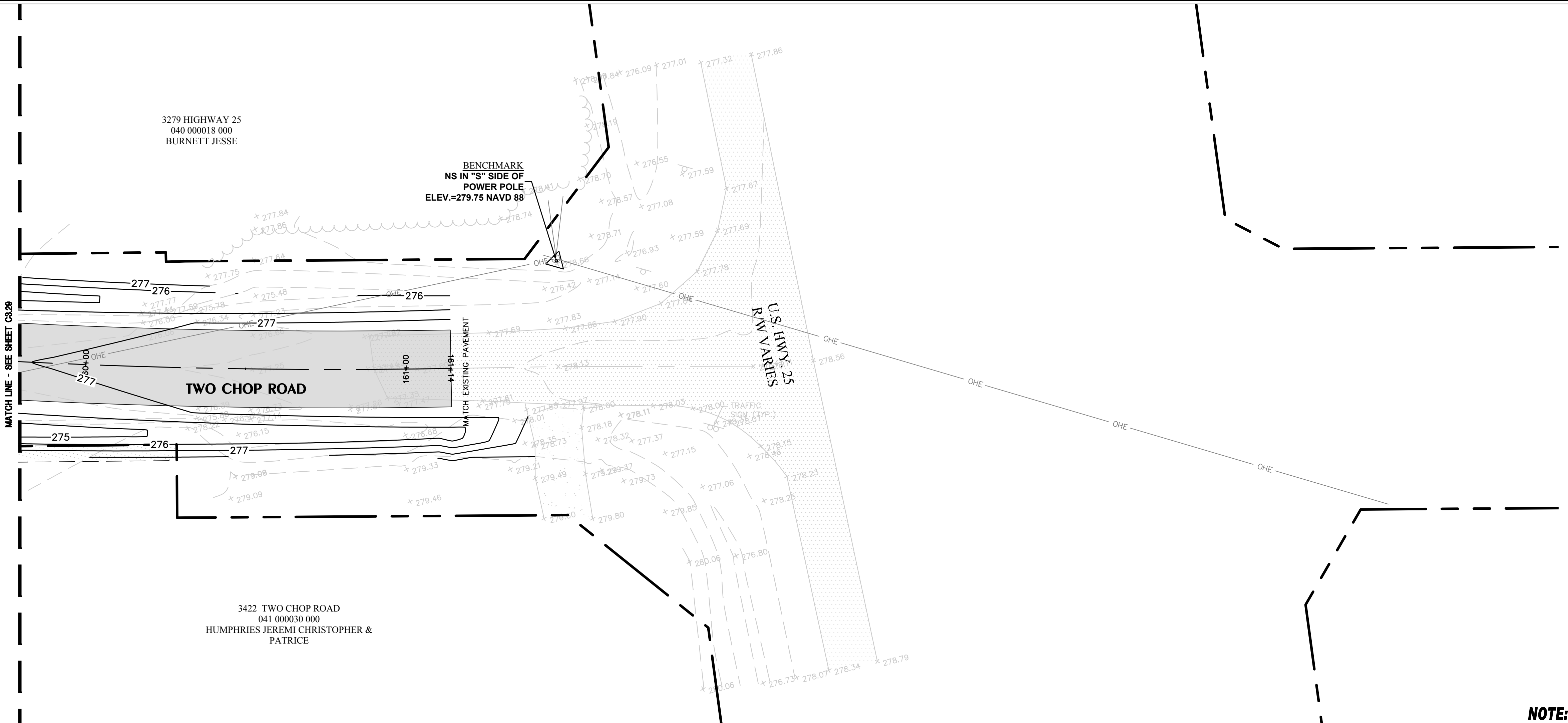
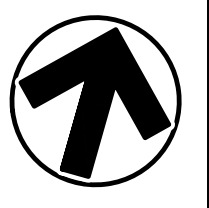
REVISIONS:

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M.D.R.	J.J.M.	E.A.B.

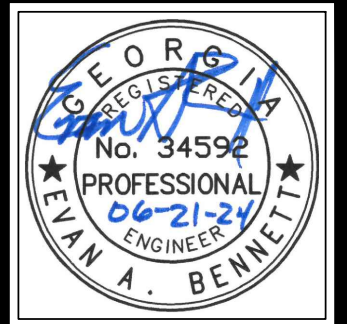
DATE: JUNE 21, 2024
 JOB NO. 122148117
 SCALE: 1" = 20'

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.28



HOR. SCALE: 1" = 20' VER. SCALE: 1" = 2'



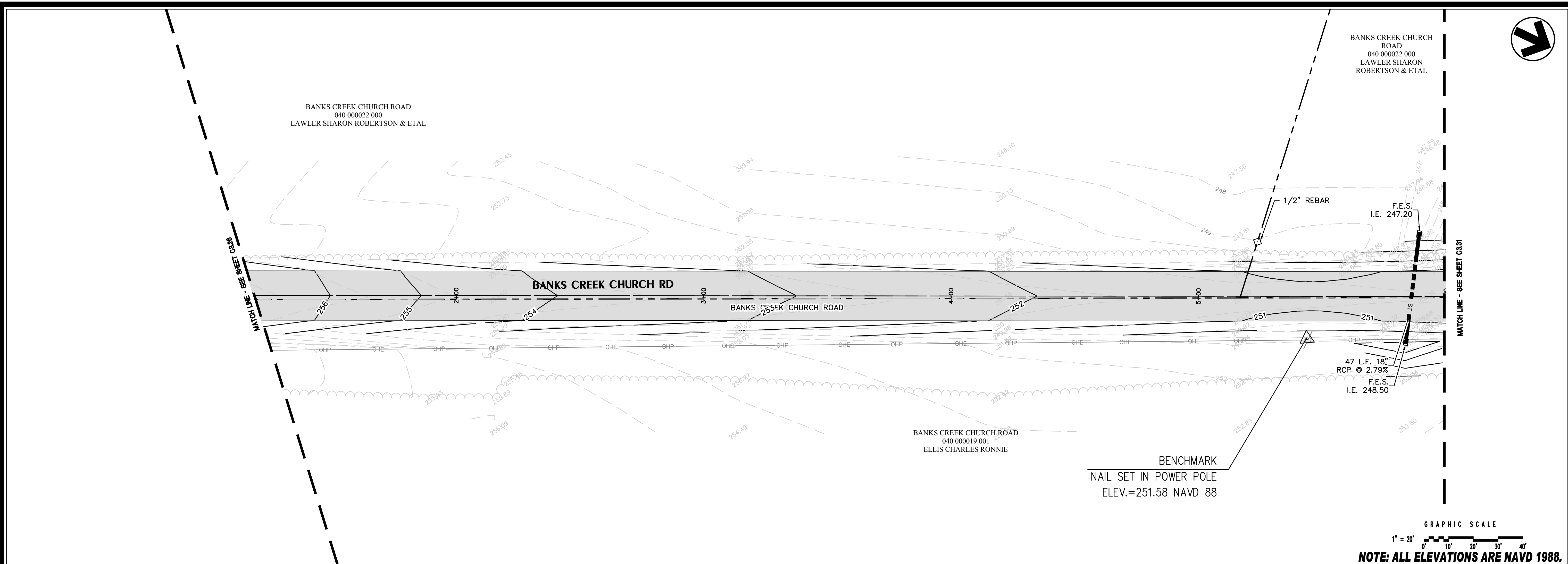
HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.29



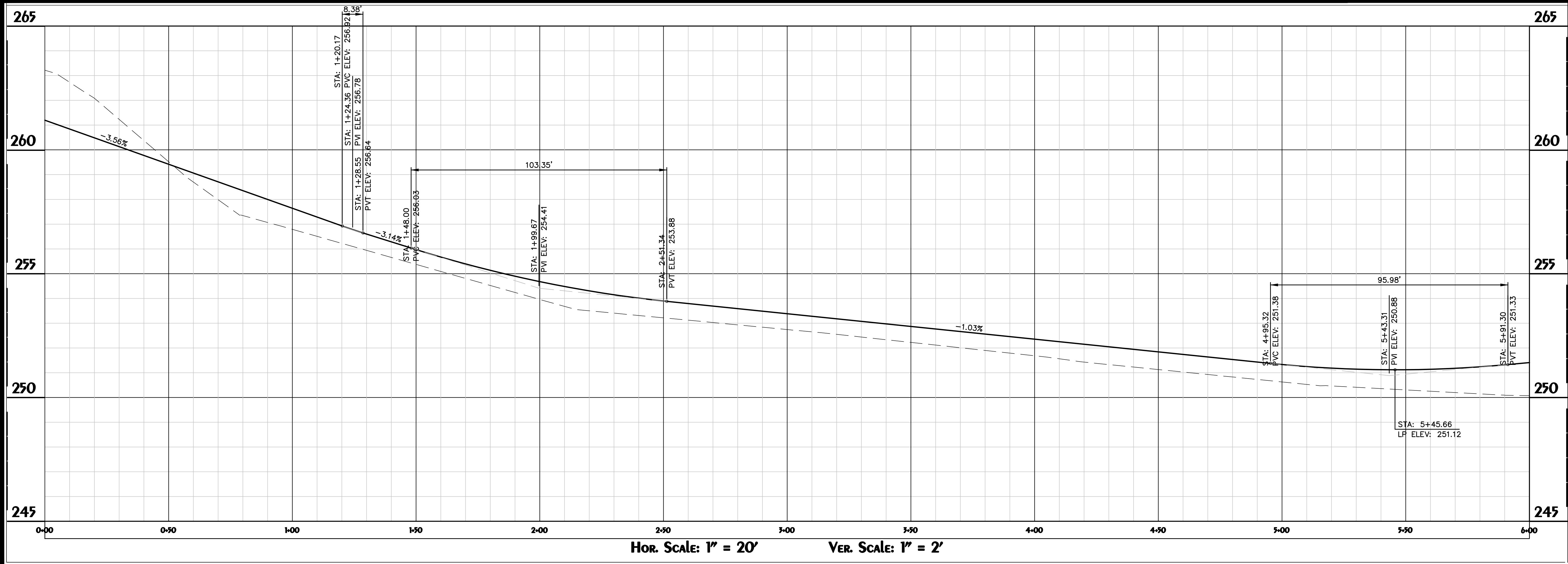
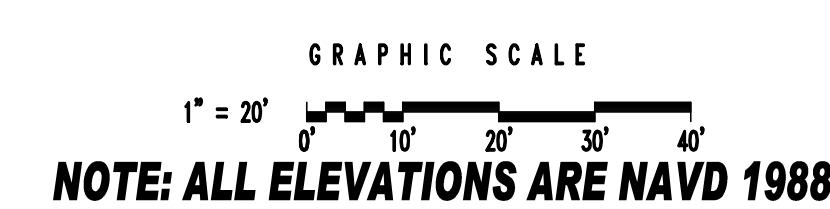
BANKS CREEK CHURCH ROAD
040 000022 000
LAWLER SHARON ROBERTSON & ETAL

BANKS CREEK CHURCH ROAD
040 000019 001
ELLIS CHARLES RONNIE

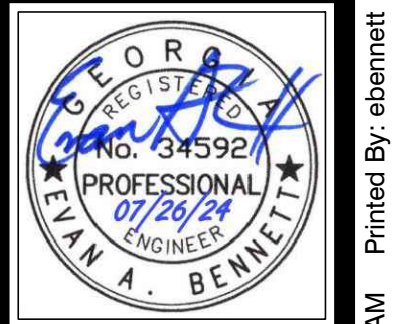
BENCHMARK
NAIL SET IN POWER POLE
ELEV.=251.58 NAVD 88

1/2" REBAR
F.E.S.
I.E. 247.20

47 L.F. 18"
RCP @ 2.79%
F.E.S.
I.E. 248.50



HOR. SCALE: 1" = 20'
VER. SCALE: 1" = 2'



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

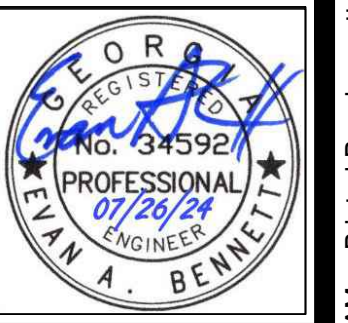
REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.
DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.30



HUSSEY GAY BELL
Established 1958
 329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

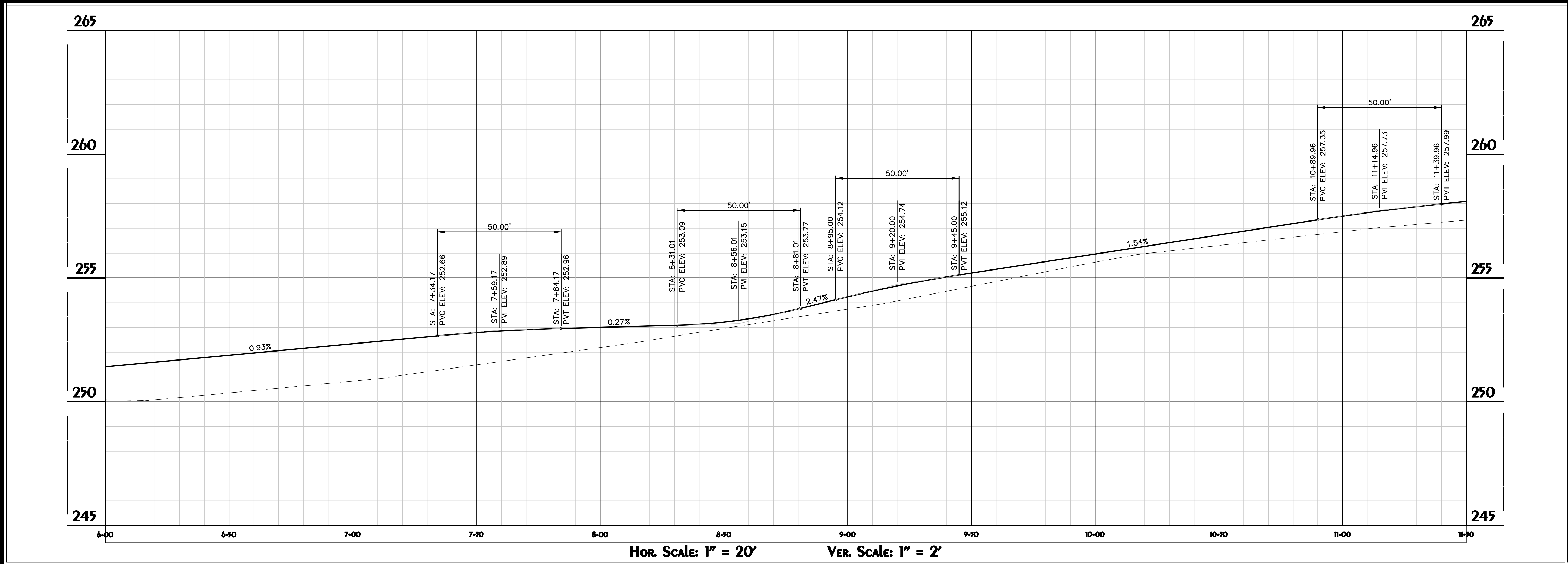
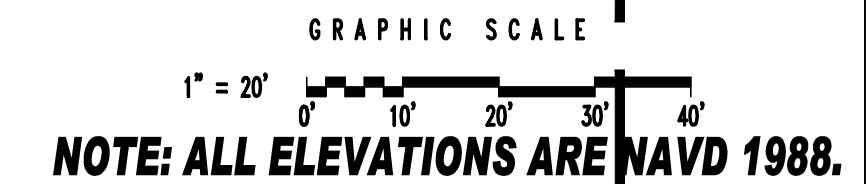
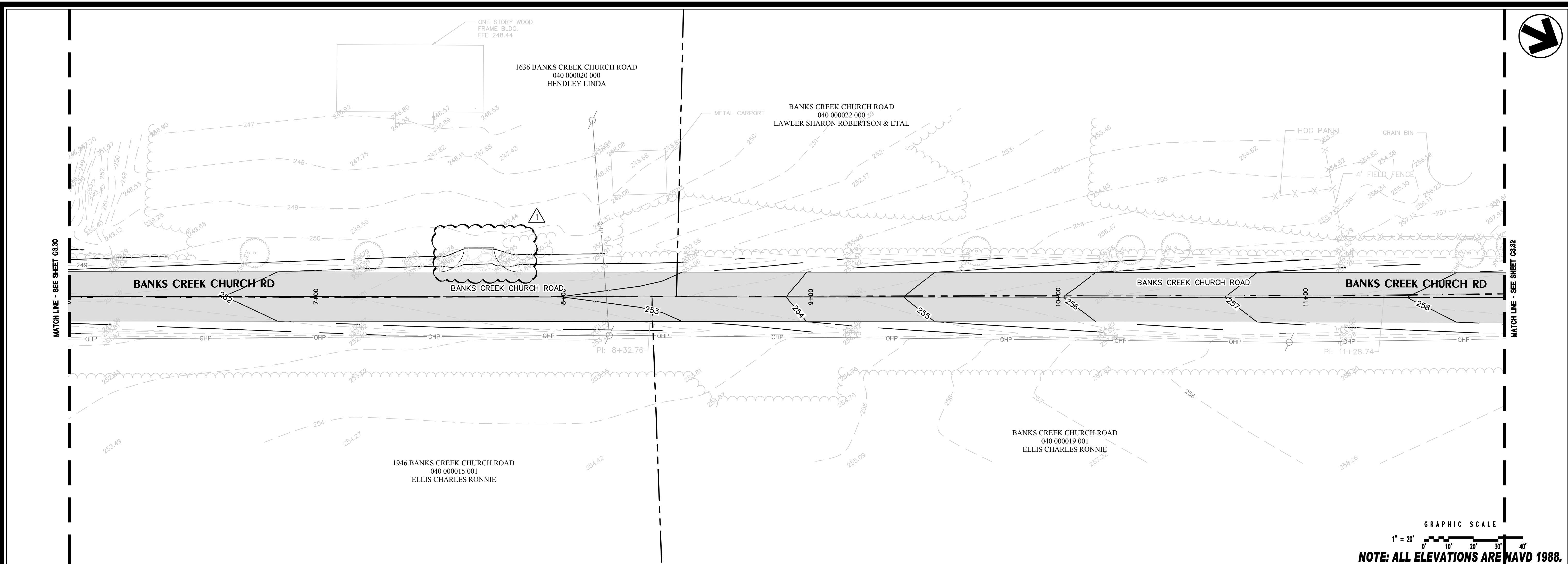
07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

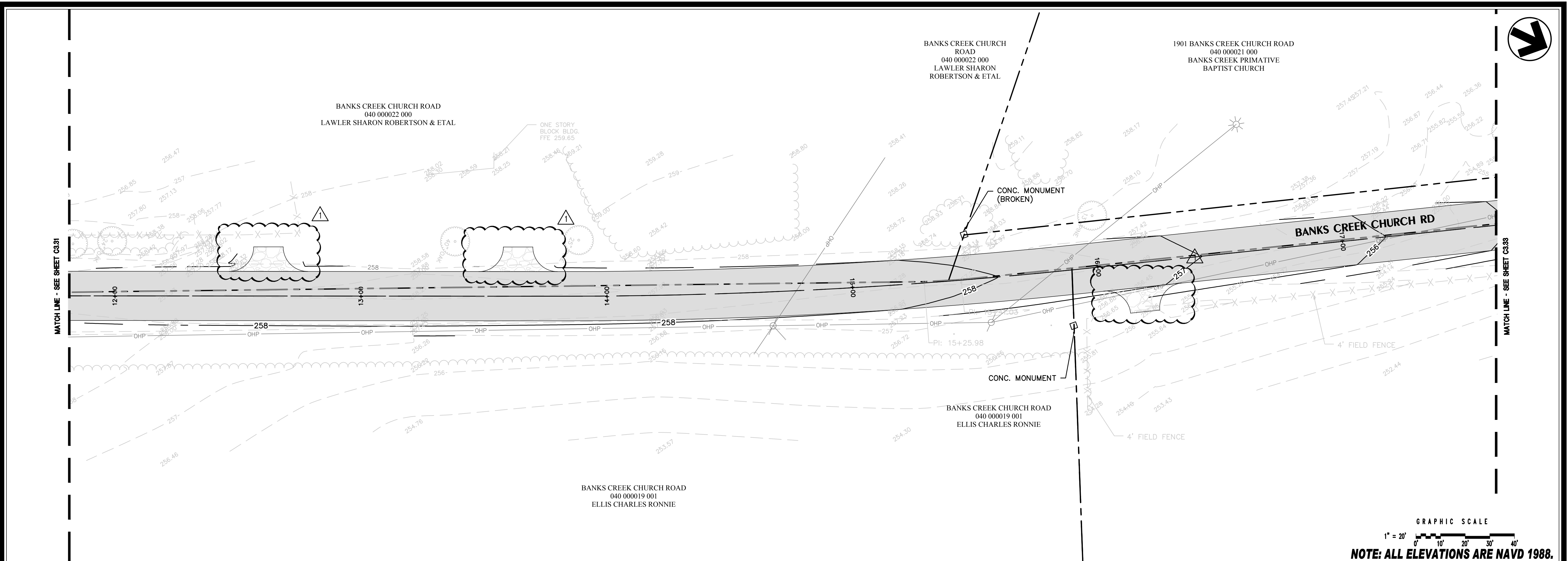
TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.31

December 14, 2018 8:56 AM Printed By: ebennett
 E:\Bulloch County\122148117...Two Chop Road Paving\Cadd Files\Construction\C3_P&D.dwg

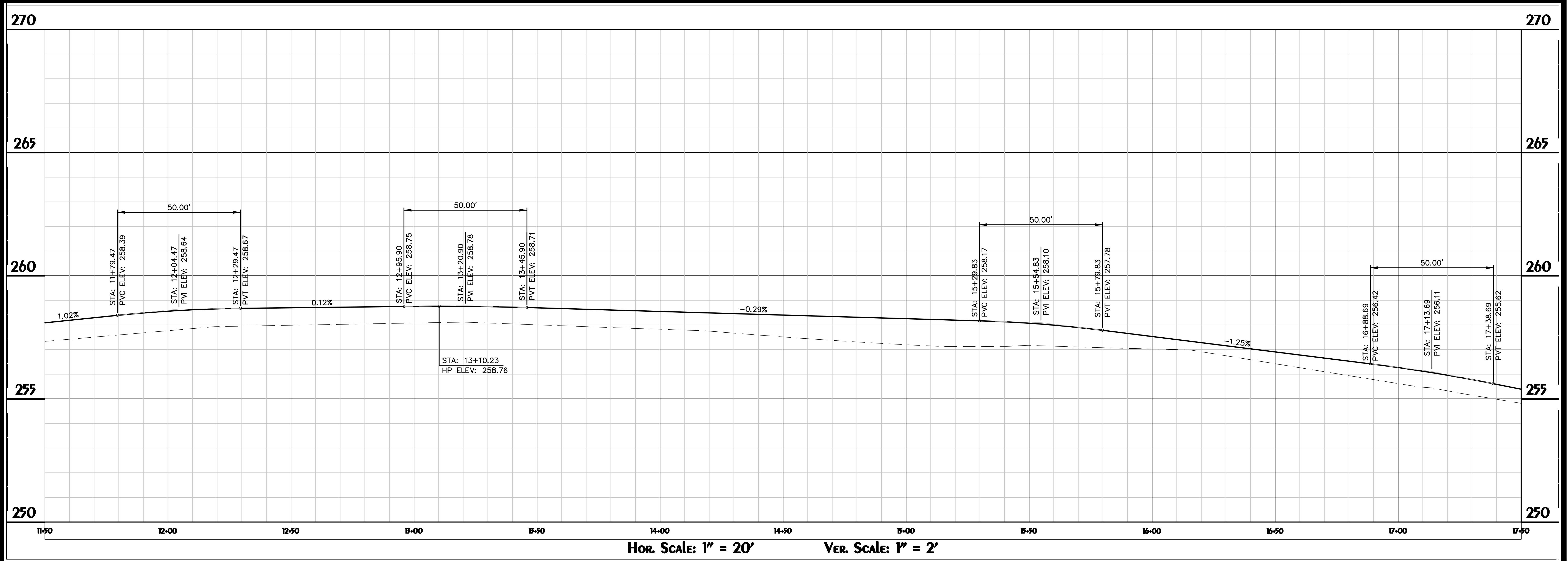


Hor. Scale: 1" = 20' Ver. Scale: 1" = 2'



GRAPHIC SCALE
 1" = 20'
 0' 10' 20' 30' 40'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



December 14, 2018 8:56 AM
 Printed By: ebennett

HUSSEY GAY BELL

Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

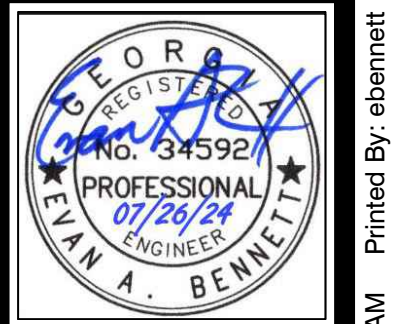
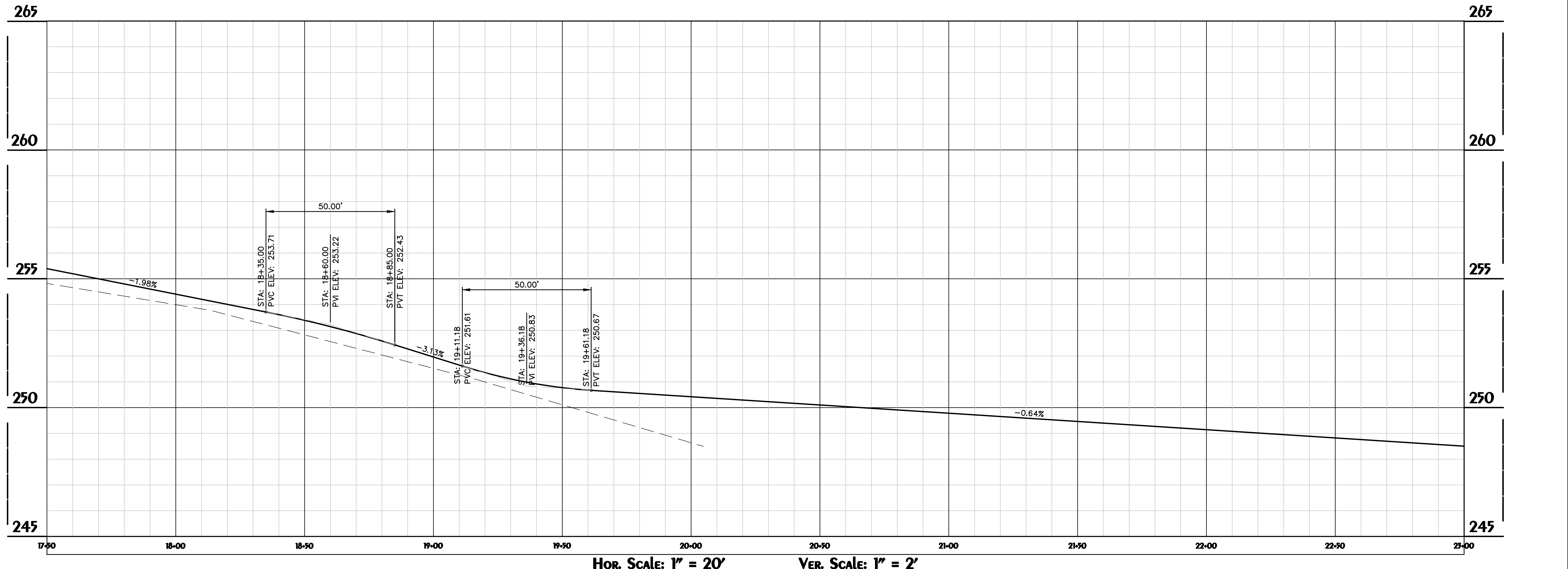
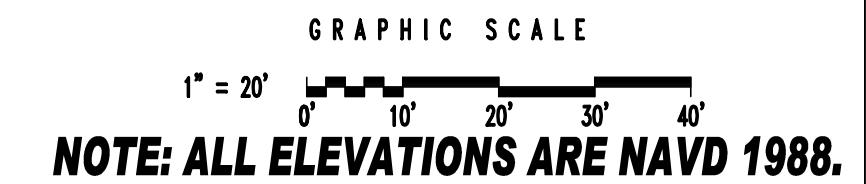
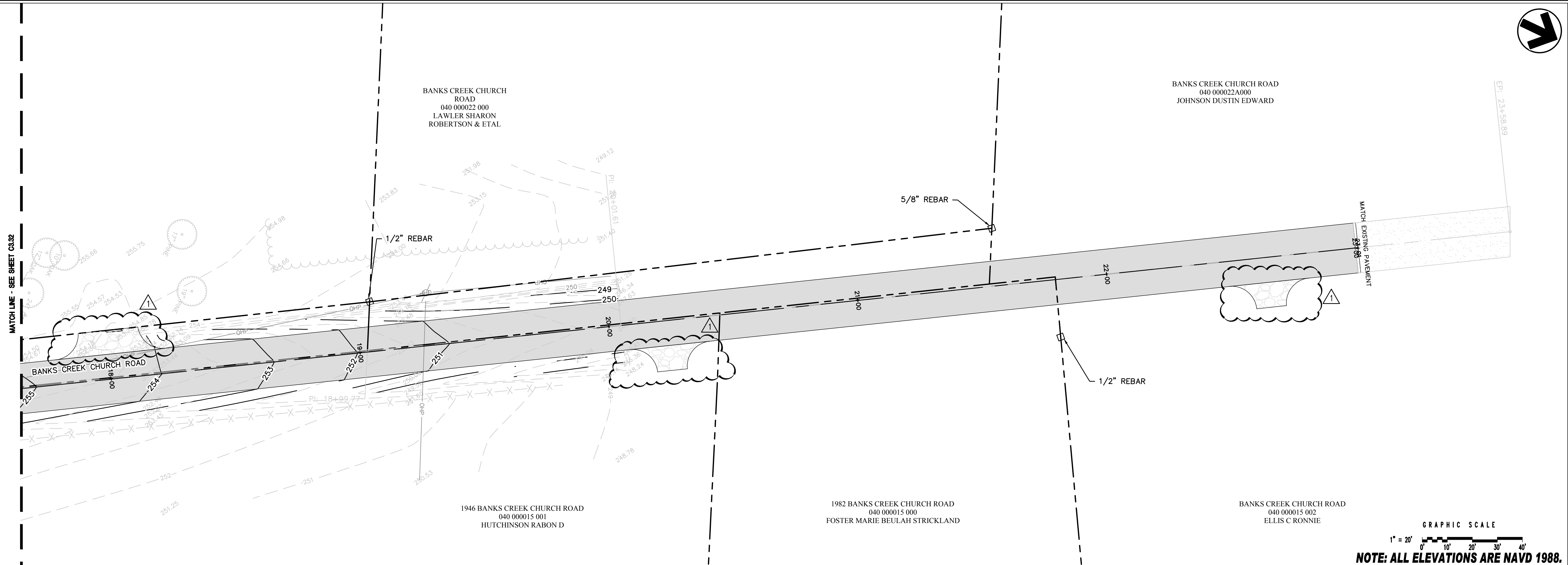
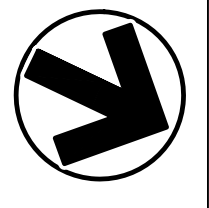
NO.	DATE	DESCRIPTION
1	07/26/2024	ADDENDUM #1

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

DATE: JUNE 21, 2024
 JOB NO. 122148117
 SCALE: 1" = 20'

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
 FOR
 BULLOCH COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.32



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

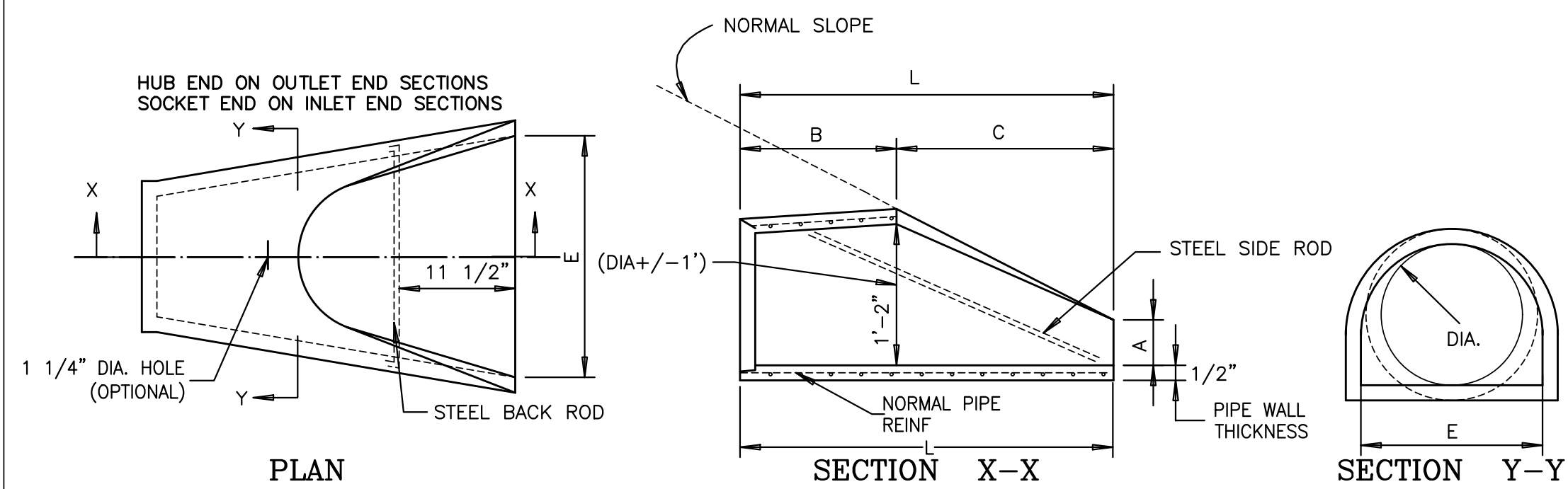
REVISIONS:

07/26/2024	ADDENDUM #1
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DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
PAVING, GRADING, AND DRAINAGE PLAN

DRAWING NUMBER
C3.33

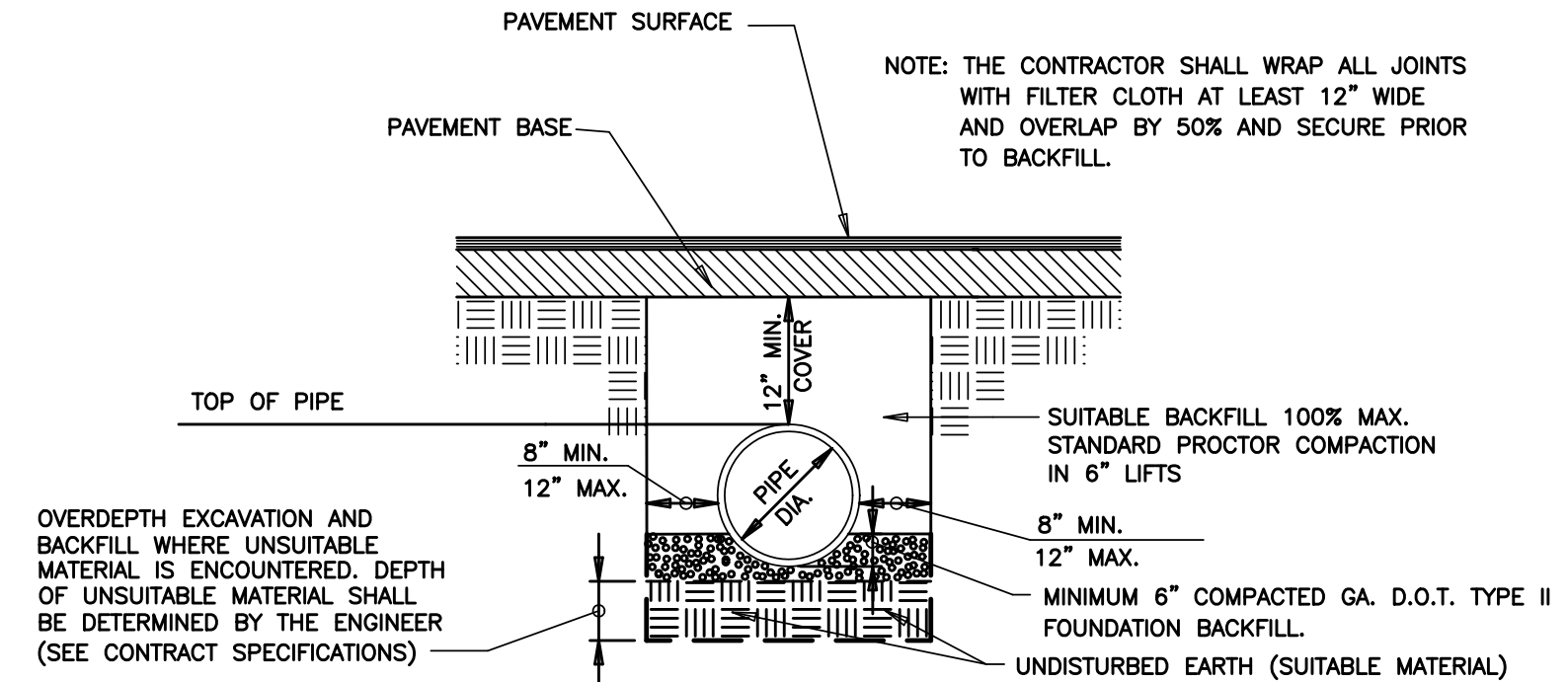


NOTE: REINFORCEMENT SHALL CONFORM TO ASTM A-82 OR A-306 FOR CAGE WIRE AND ATSM A-185 FOR WIRE FABRIC

FLARE REINFORCEMENT & DIMENSIONS (+/-1" TOLERANCE)									
PIPE DIA.	SIDE RODS	BACK RODS	FABRIC	SLOPE	A	B	C	L	E
12"	2-3X2'5"	NOT REQ'D	2"x8"8/9	2.2:1	4"	2'0"	4'1"	6'1"	2'0"
15"	2-3X2'11"	NOT REQ'D	2"x8"8/9	2.2:1	6"	2'3"	3'10"	6'1"	2'6"
18"	2-3X3'6"	NOT REQ'D	2"x8"8/9	2.2:1	9"	2'3"	3'10"	6'1"	3'0"
24"	2-3X5'0"	NOT REQ'D	2"x8"8/9	2.4:1	10"	3'8"	2'6"	6'2"	4'0"
30"	2-4X6'2"	NOT REQ'D	2"x8"8/9	2.4:1	12"	4'6"	1'8"	6'2"	5'0"
36"	2-4X7'5"	NOT REQ'D	2"x8"8/9	2.4:1	15"	5'3"	2'11"	8'2"	6'0"
42"	2-4X8'7"	NOT REQ'D	2"x8"8/9	2.4:1	21"	5'3"	2'11"	8'2"	6'6"

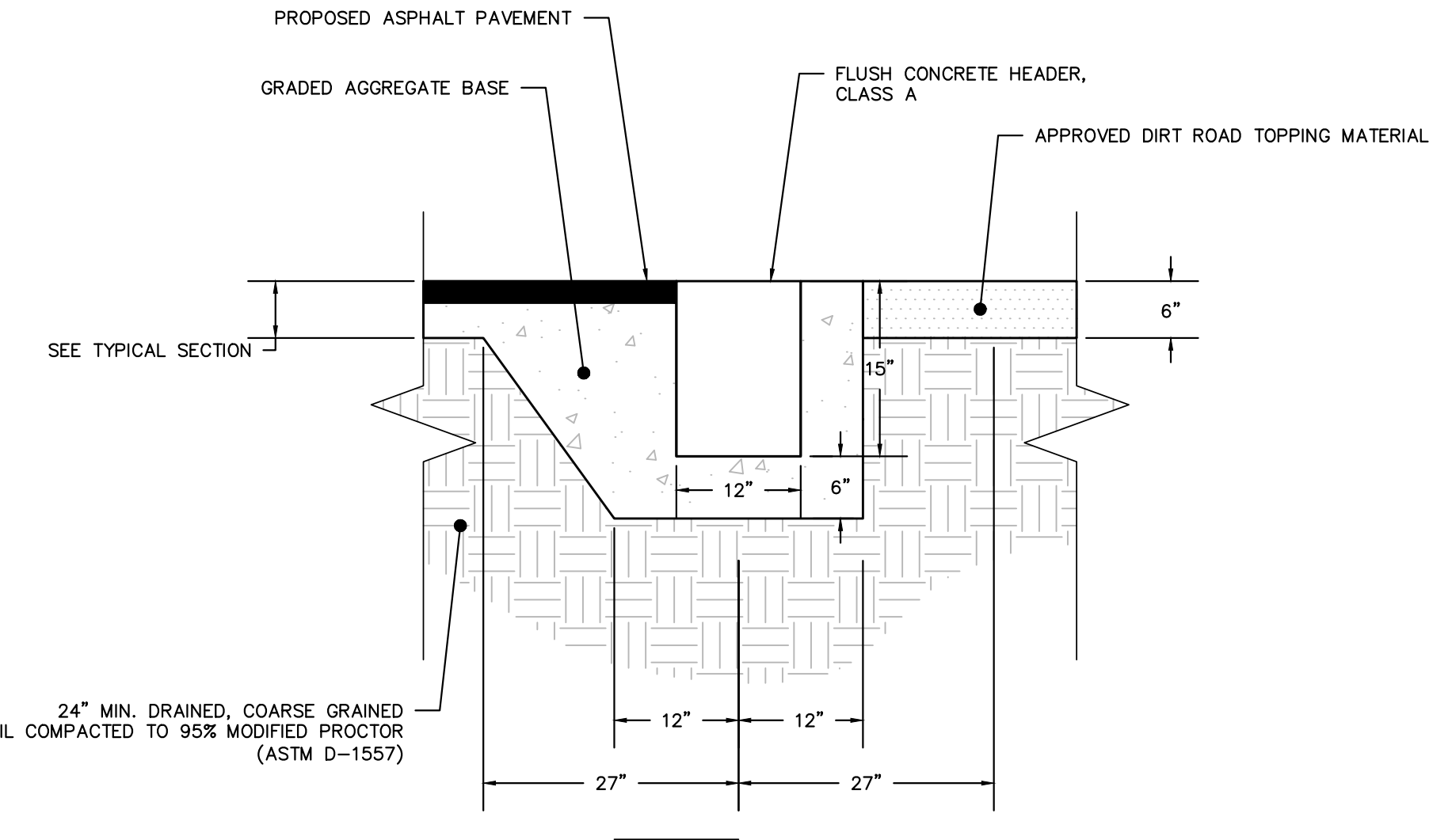
FLARED END SECTION DETAIL

N.T.S.



TYPICAL CONCRETE PIPE TRENCH UNDER PAVEMENT

N.T.S.



PAVEMENT END TREATMENT

N.T.S.

STATE	PROJECT NUMBER	SHEET	TOTAL SHEETS
GA.			

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.

DATE: JUNE 21, 2024

JOB NO. 122148117

SCALE: N.T.S.

POST	STUB SIZE
TYPE 7	2 1/4" x 2 1/4"
TYPE 8	2 3/4" x 2 3/4"
TYPE 9	2 1/2" x 2 1/2"

SIGN POST SELECTION CHART

70 MPH Wind Load Chart - 15% Gust Factor

Sign Centroid	SLIP BASE NOT REQUIRED			GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED		
	TYPE 7 2' x 14 sq.	TYPE 8 24" x 14 sq.	TYPE 9 24" x 12 sq.	TYPE 8 24" x 12 sq.	TYPE 8 w/ TYPE 9 insert 24" x 12 sq. w/ 24" x 14 sq.	TYPE 9 24" x 12 sq.
	SQUARE FOOTAGE			SQUARE FOOTAGE		
6'	13.50	27.00	18.25	30.00	60.00	48.75
7'	11.00	22.00	16.50	25.75	51.50	42.25
8'	10.15	20.30	14.45	22.56	45.10	37.00
9'	9.00	18.00	12.85	20.00	40.00	33.85
10'	8.10	16.20	11.35	18.00	36.00	30.55
11'	7.40	14.80	10.00	16.40	32.80	28.90
12'	6.80	13.60	8.85	15.00	30.00	26.90
13'	6.25	12.50	8.00	13.85	27.70	25.50
14'	5.80	11.60	7.25	12.90	25.80	23.75
15'	5.00	10.00	6.45	10.10	20.20	20.55
16'	4.70	9.40	6.05	9.40	18.80	19.50
17'	4.40	8.80	5.70	8.80	17.60	18.50
18'	4.15	8.30	5.40	8.40	16.80	17.60
19'	3.95	7.90	5.10	7.95	15.90	16.80
20'	3.75	7.50	4.85	7.55	15.10	16.00

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF SIGN. EXAMPLE: 24" x 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24") PLUS 7 FT. = 9' CENTROID.

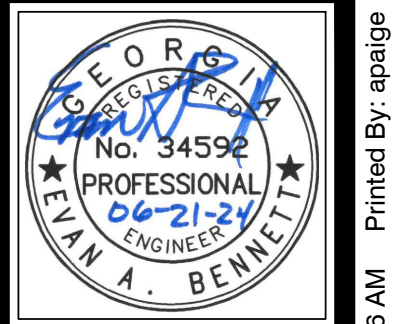
SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

* TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 638-306.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL
		NO SCALE
		JULY 2002

T-3A



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: N.T.S.		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
CONSTRUCTION DETAILS

DRAWING NUMBER
C4.2

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES: ²

GSWCC Level II
Design Professional
Cert. #000044938



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

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FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL NOTES

DRAWING NUMBER
EC0.2

31 STORMWATER SAMPLING SHALL BE CONDUCTED AT THE POINTS AS INDICATED WITHIN THIS ESDCP.

SAMPLING FREQUENCY

- THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
- HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.
- SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
 - FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
 - IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
 - AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
 - WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
 - EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM THAT AREA OF THE DAY OR WEEK.

REPORTING

- THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
- ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
 - THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
 - THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
 - THE DATE(S) ANALYSES WERE PERFORMED;
 - THE TIME(S) ANALYSES WERE INITIATED;
 - THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
 - REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
 - THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
 - RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
 - CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
- ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

32 RETENTION OF RECORDS

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
 - A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 - A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 - THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
 - A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 - A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
 - A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
 - DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

32 (CONT.)

- COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

33 STORMWATER SAMPLING

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT. EPA 833-B-92-001."

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 50, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GART10002. THIS NTU VALUE IS BASED UPON A TOTAL PROJECT AREA OF 28.26 ACRES AND A SURFACE WATER DRAINAGE AREA OF LESS THAN 5 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

APPENDIX B
Nephelometric Turbidity Unit (NTU) Tables

Warm Water (Supporting Warm Water Fisheries)
Surface Water Drainage Area, Square Miles

Site Size Acres	0-4.99	5-9.99	10-24.99	24-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
24.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

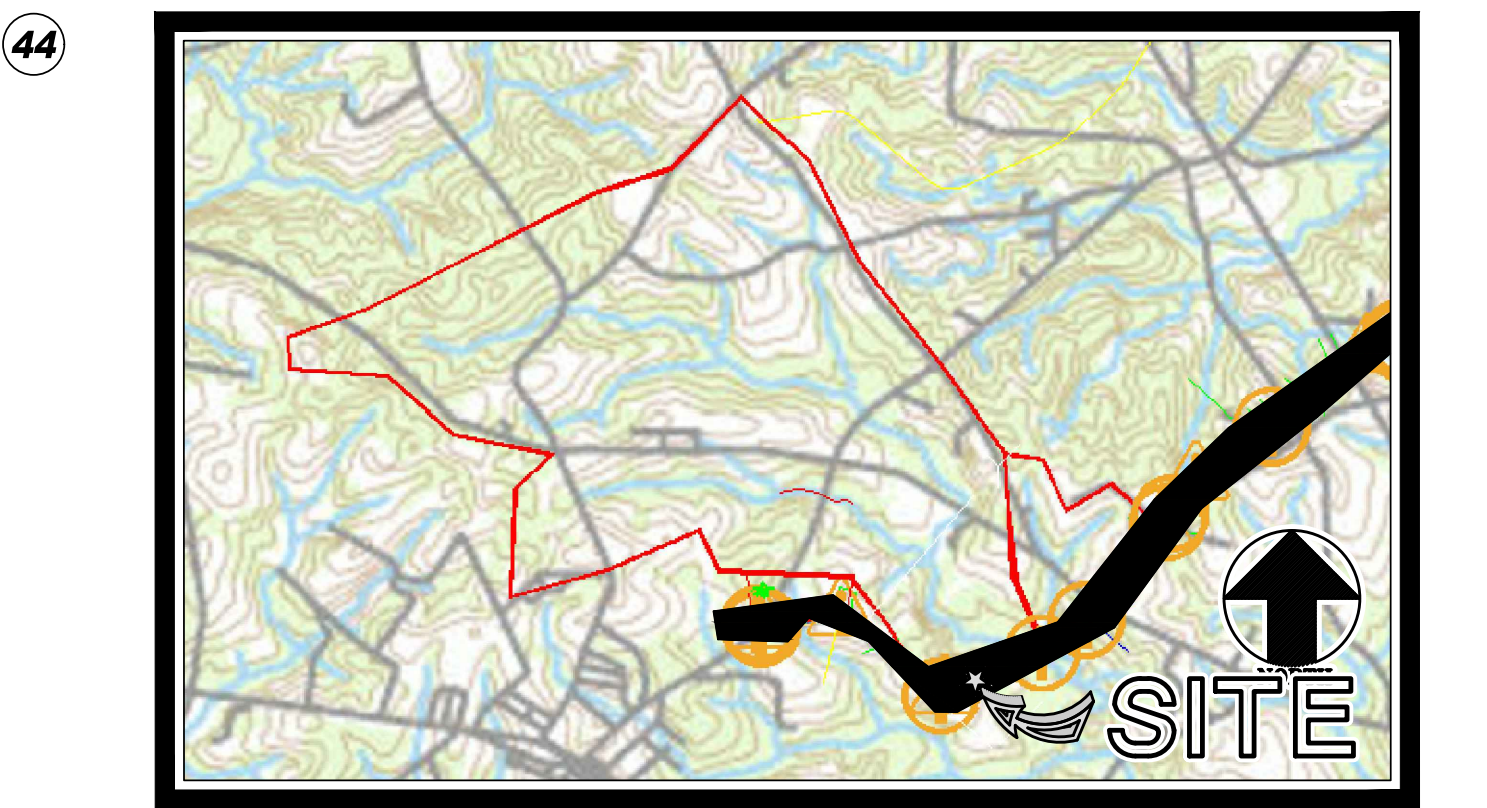
To use these table, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is one to use in Part III.D.4.

35 SEE PAGES EC1.1 - EC2.15 FOR FOR SAMPLING POINT LOCATIONS, PERENNIAL AND INTERMITTENT STREAM AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED.

36 SEE PAGES EC1.1 - EC3.2 FOR A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE.

41 APPLICABLE 25-FOOT OR 50-FOOT UNDISTURBED BUFFERS ADJACENT TO STATE WATERS AND ANY ADDITIONAL BUFFERS AS REQUIRED BY THE LOCAL ISSUING AUTHORITY ARE SHOWN IF APPLICABLE. AREAS OF IMPACT ARE SHOWN AND LABELED ON THE PLAN IF REQUIRED.

42 ON SITE WETLANDS AND/OR WATERS OF THE STATE ARE LOCATED ON OR WITHIN 200 FEET OF THE PROJECT SITE AND ARE DELINEATED ON PAGES EC1.1 - EC2.15.



DRAINAGE BASIN MAP
SCALE: N.T.S.

45 THE ESTIMATED RUNOFF COEFFICIENTS FOR THE SITE PRIOR TO AND AFTER COMPLETION OF CONSTRUCTION ACTIVITIES ARE:

PRE-DEVELOPMENT: C = 0.35
POST-DEVELOPMENT: C = 0.70

46 REFER TO EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION AND THE LOCATION OF ALL STORM WATER DISCHARGE POINTS.

47 SOIL TYPE:

CqB2	-	COWARTS LOAMY SAND (HSG C)
CnB	-	CARNEGIE LOAMY SAND (HSG C)
FsA	-	FUQUAY LOAMY SAND (HSG B)
FsB	-	FUQUAY LOAMY SAND (HSG B)
FhB	-	FUQUAY PEBBLY LOAMY SAND (HSG B)
LpB	-	LAKELAND SAND (HSG A)
PIA	-	PELHAM LOAMY SAND (HSG B/D)
Rpo	-	RUTLEGE AND PORSMOUTH SOILS AND ALLUVIAL LAND (HSG A/D)
TqA	-	TIFTON LOAMY SAND (HSG B)
TqB	-	TIFTON LOAMY SAND (HSG B)
TuB2	-	TIFTON SANDY LOAM (HSG B)

SEE PAGES EC1.1 - EC2.15 FOR DELINEATION.
48 REFER TO EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION.

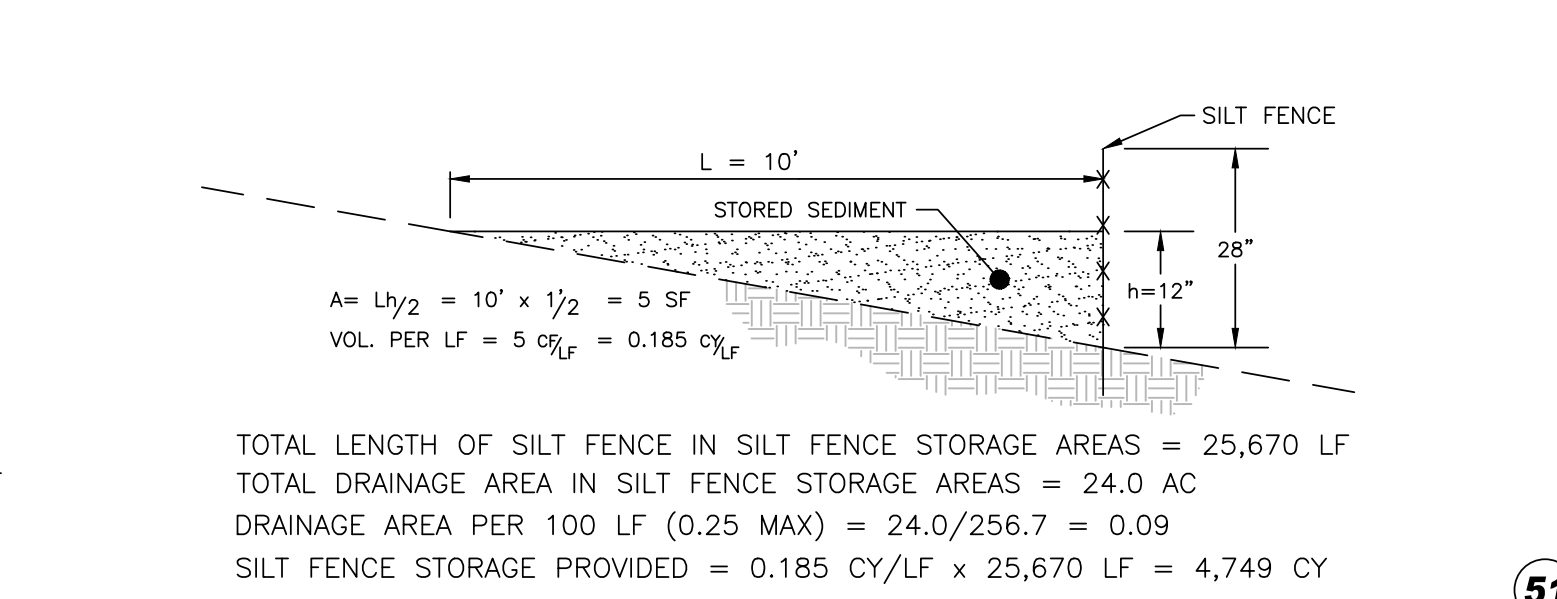
49 TEMPORARY SEDIMENT STORAGE:

THE DRAINED AREA FOR THIS PROJECT IS 28.26 ACRES, THEREFORE, THE REQUIRED SEDIMENT STORAGE VOLUME IS 28.26 ACRES X 67 CY PER ACRE = 1,893 CY OF STORAGE REQUIRED.

THE TABLE BELOW SUMMARIZES THE BMPs IMPLEMENTED AND THE SEDIMENT STORAGE ACHIEVED FOR EACH BMP.

CONSTRUCTION PHASE	STORAGE METHOD	VOLUME PROVIDED (CY)
ALL	SILT FENCE	4,749

SILT FENCE STORAGE RATIONALE:
SEDIMENT STORAGE IS ACHIEVED USING SILT FENCE AROUND THE SITE. IT IS MY PROFESSIONAL OPINION THAT SEDIMENT STORAGE AGAINST SILT FENCE IN THESE LOCATIONS IS APPROPRIATE FOR THE FOLLOWING REASONS:
1. THE PROJECT IS LINEAR, ONLY ON-SITE DISTURBED AREA IS AFFECTED BY STORMWATER. ALL DRAINAGE AROUND THE SITE IS PASS-THROUGH STORMWATER THAT IS CONTROLLED BY THE CULVERT CROSSINGS AND RIP RAP.
2. ACCORDING TO THE CALCULATIONS BELOW, SILT FENCE IS MORE THAN ADEQUATE FOR SEDIMENT STORAGE BASED ON THE DISTURBED AREA.



SEDIMENT STORAGE - SILT FENCE METHOD

N.T.S.

50 REFER TO EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR SPECIFIED LOCATIONS.

LEGEND:

- CONSTRUCTION EXIT
- DUST CONTROL ON DISTURBED AREAS
- DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
- TEMPORARY SEDIMENT SINGLE BARRIER - SILT FENCE, TYPE "NON-SENSITIVE"
- TEMPORARY SEDIMENT DOUBLE BARRIER - SILT FENCE, TYPE "SENSITIVE"
- INLET SEDIMENT TRAP
- SLOTTED BOARD DAM WITH STONE FILTER
- STORM DRAINAGE OUTLET PROTECTION
- DIVERSIONS
- STONE CHECK DAM
- TEMPORARY SEDIMENT TRAP
- STORM WATER DISCHARGE SAMPLING POINT
- TREE PROTECTION BARRICADE
- SOILS
- DRAINAGE BASIN BOUNDARY
- LIMITS OF DISTURBANCE & STORMWATER MANAGEMENT AREA
- SILT FENCE PROTECTION (SINGLE)
- SILT FENCE PROTECTION (DOUBLE)

51 REFER TO EROSION AND SEDIMENT CONTROL DETAIL SHEETS FOR DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES.

52 VEGETATIVE METHODS:

- A VEGETATIVE COVER SHALL BE ESTABLISHED AND MAINTAINED OVER ALL FINAL GRADING AND OTHER DISTURBED AREAS OF THE SITE. SEE COASTAL PLAIN VEGETATIVE COVERS FOR AN OUTLINE OF THE ESTABLISHMENT OF VEGETATIVE COVERS.
- WEEKLY INSPECTION OF THE GRASS COVER SHALL BE PERFORMED TO IDENTIFY AREAS REQUIRING RE-ESTABLISHMENT OF GRASS.
- LIME RATE: 1 TO 2 TONS/ACRE.
FERTILIZER: 1500 LBS. OF 6-12-12 PER ACRE.

COASTAL PLAIN VEGETATIVE COVERS

MONTH OF PLANTING	TEMPORARY GRASS	RATE	MONTH OF PLANTING	PERMANENT GRASS	RATE
MARCH - JUNE	DS2 SUDAGRASS	60 Lbs./Ac	MARCH - JUNE	DS3 COMMON BERMUDA (HULLED)	10 Lbs./Ac
APRIL - AUGUST	BROWN TOP MILLET	40 Lbs./Ac	JULY - AUGUST	COMMON BERMUDA (HULLED) & BROWN TOP MILLET	6 Lbs./Ac
SEPTEMBER - FEBRUARY	RYE GRASS	40 Lbs./Ac	SEPTEMBER - FEBRUARY	COMMON BERMUDA (UNHULLED) & TALL FESCUE	30 Lbs./Ac

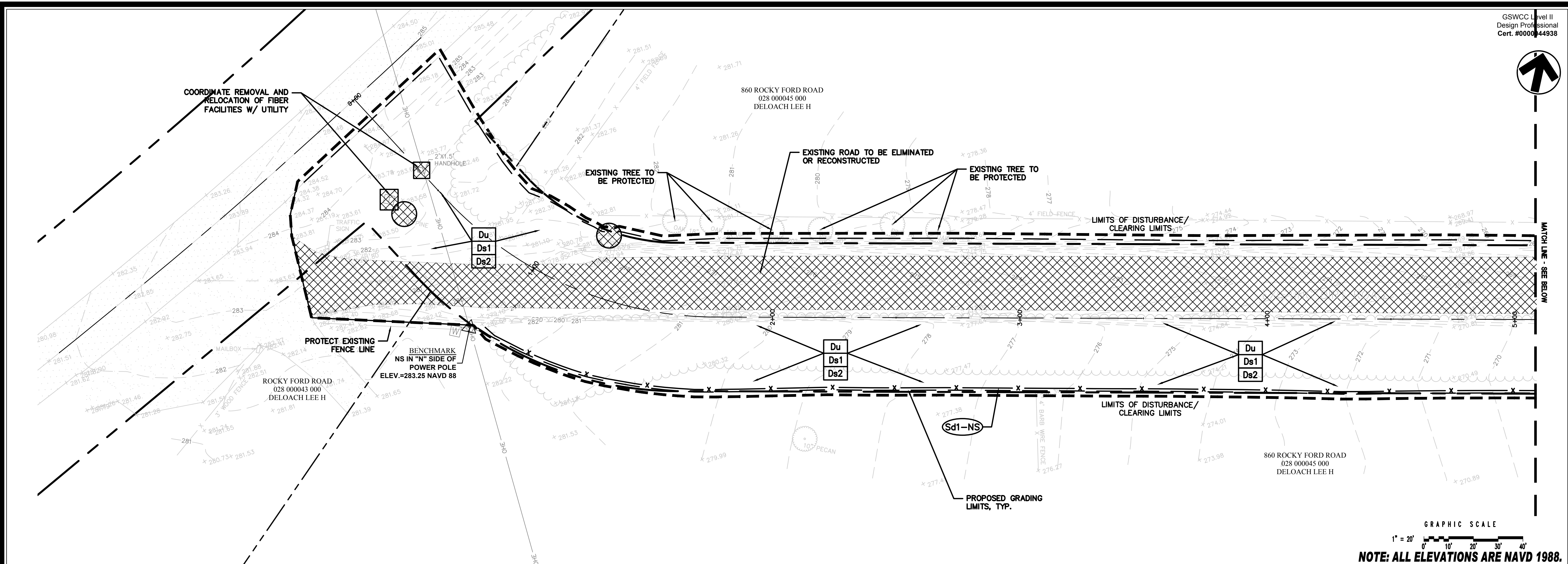
MULCH: **DS1**

MULCH, IF REQUIRED, SHALL BE UNCHOPPED, UNROTTED, DRY STRAW, HAY, OR WOOD WASTE SHALL BE APPLIED TO A DEPTH OF 2-3 INCHES PROVIDING COMPLETE SOIL COVERAGE. IN AREAS TO BE EVENTUALLY COVERED BY PERENNIAL VEGETATION THE CONTRACTOR SHALL APPLY 20-30 POUNDS OF NITROGEN/AC. IN ADDITION TO THE NORMAL AMOUNT.

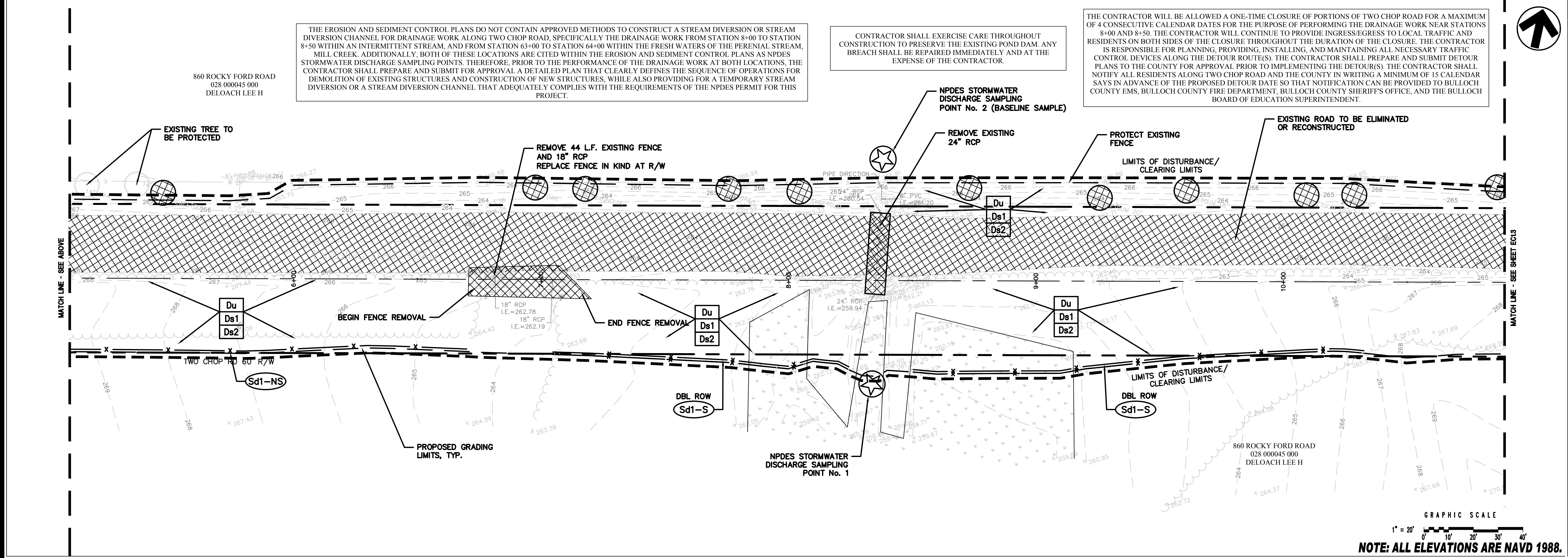
MULCHING RATE FOR STRAW SHALL BE 2 TONS/AC. AND FOR HAY 2 1/2 TONS/AC. MULCH MATERIAL SHALL BE RELATIVELY FREE FROM ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS WHICH ARE: CANADA THISTLE, JOHNSONGRASS AND QUACKGRASS. SPREAD MULCH MECHANICALLY OR UNIFORMLY BY HAND; MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY PEG AND TWINE METHOD, MULCH ANCHORING TOOL, NETTING OR LIQUID MULCH BINDERS.



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



THE EROSION AND SEDIMENT CONTROL PLANS DO NOT CONTAIN APPROVED METHODS TO CONSTRUCT A STREAM DIVERSION OR STREAM DIVERSION CHANNEL FOR DRAINAGE WORK ALONG TWO CHOP ROAD, SPECIFICALLY THE DRAINAGE WORK FROM STATION 8+00 TO STATION 8+50 WITHIN AN INTERMITTENT STREAM, AND FROM STATION 6+00 TO STATION 6+40 WITHIN THE FRESH WATERS OF THE PERENIAL STREAM, MILL CREEK. ADDITIONALLY, BOTH OF THESE LOCATIONS ARE CITED WITHIN THE EROSION AND SEDIMENT CONTROL PLANS AS NPDES STORMWATER DISCHARGE SAMPLING POINTS. THEREFORE, PRIOR TO THE PERFORMANCE OF THE DRAINAGE WORK AT BOTH LOCATIONS, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A DETAILED PLAN THAT CLEARLY DEFINES THE SEQUENCE OF OPERATIONS FOR DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF NEW STRUCTURES, WHILE ALSO PROVIDING FOR A TEMPORARY STREAM DIVERSION OR A STREAM DIVERSION CHANNEL THAT ADEQUATELY COMPLIES WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT.

CONTRACTOR SHALL EXERCISE CARE THROUGHOUT CONSTRUCTION TO PRESERVE THE EXISTING POND DAM. ANY BREACH SHALL BE REPAIRED IMMEDIATELY AND AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO CHOP ROAD FOR A MAXIMUM OF 4 CONSECUTIVE CALENDAR DATES FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 8+00 AND 8+50. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING, AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE, AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.
DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

DRAWING NUMBER
EC1.1

GSWCC Level I
Design Professional
Cert. #0000044938



HUSSEY GAY BELL
Established 1958
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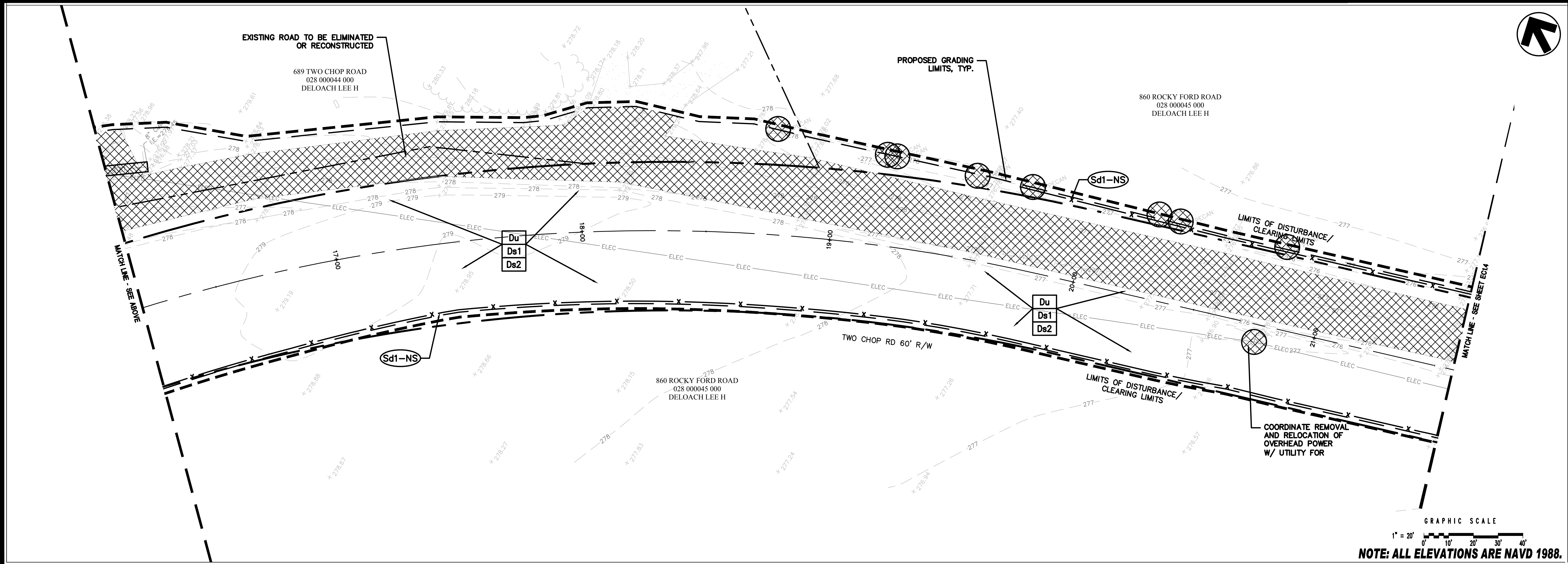
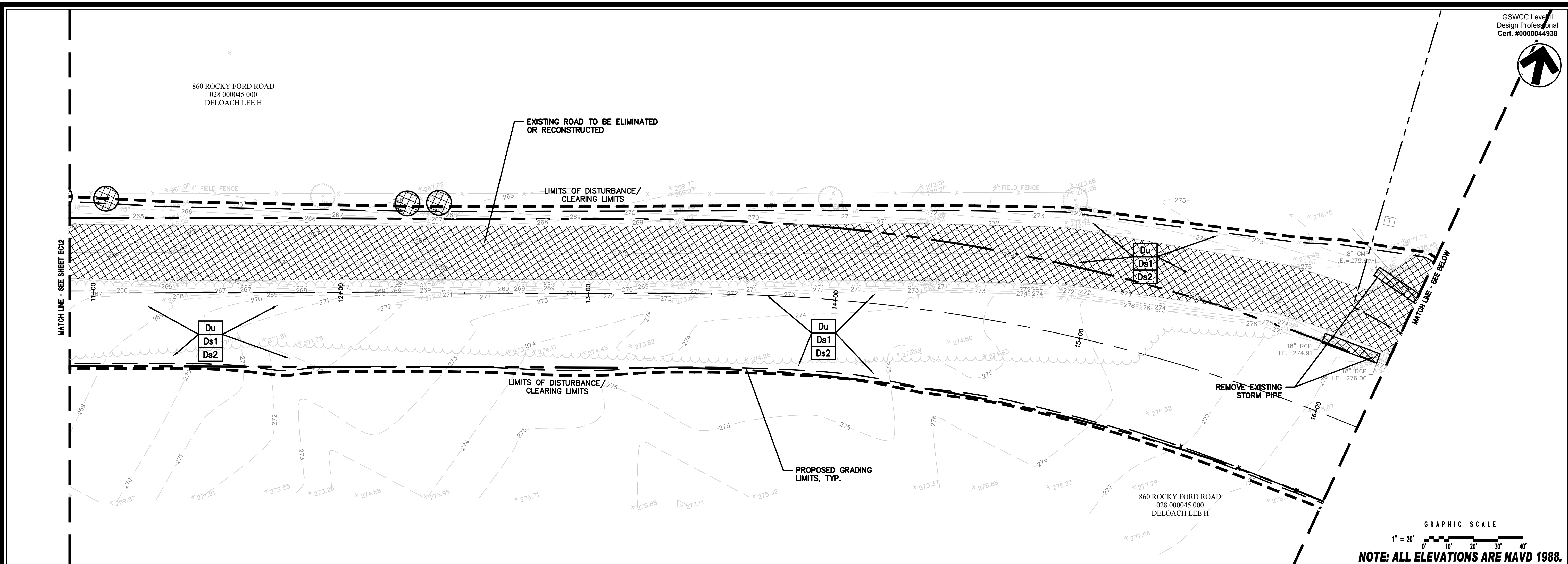
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DATE: JUNE 21, 2024		
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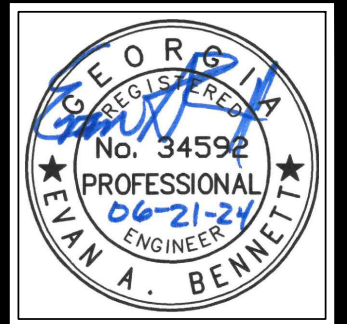
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BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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Design Professional
Ct. #0000044938



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REVISIONS:

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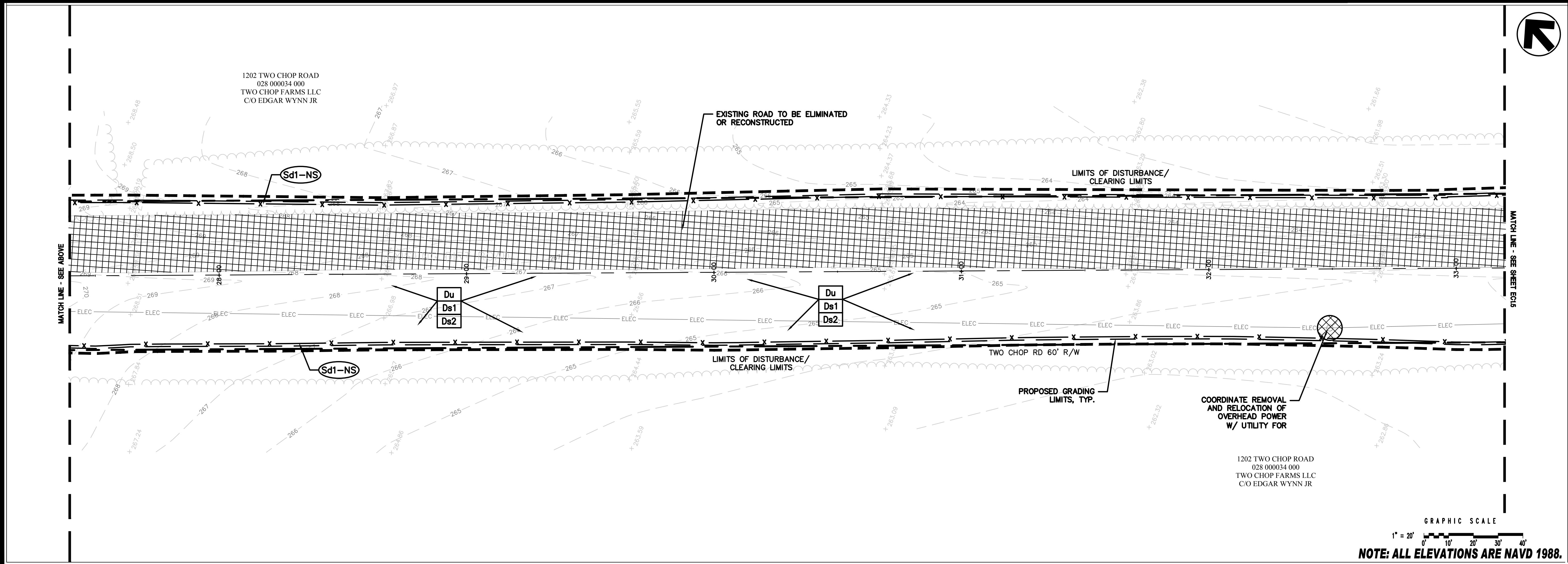
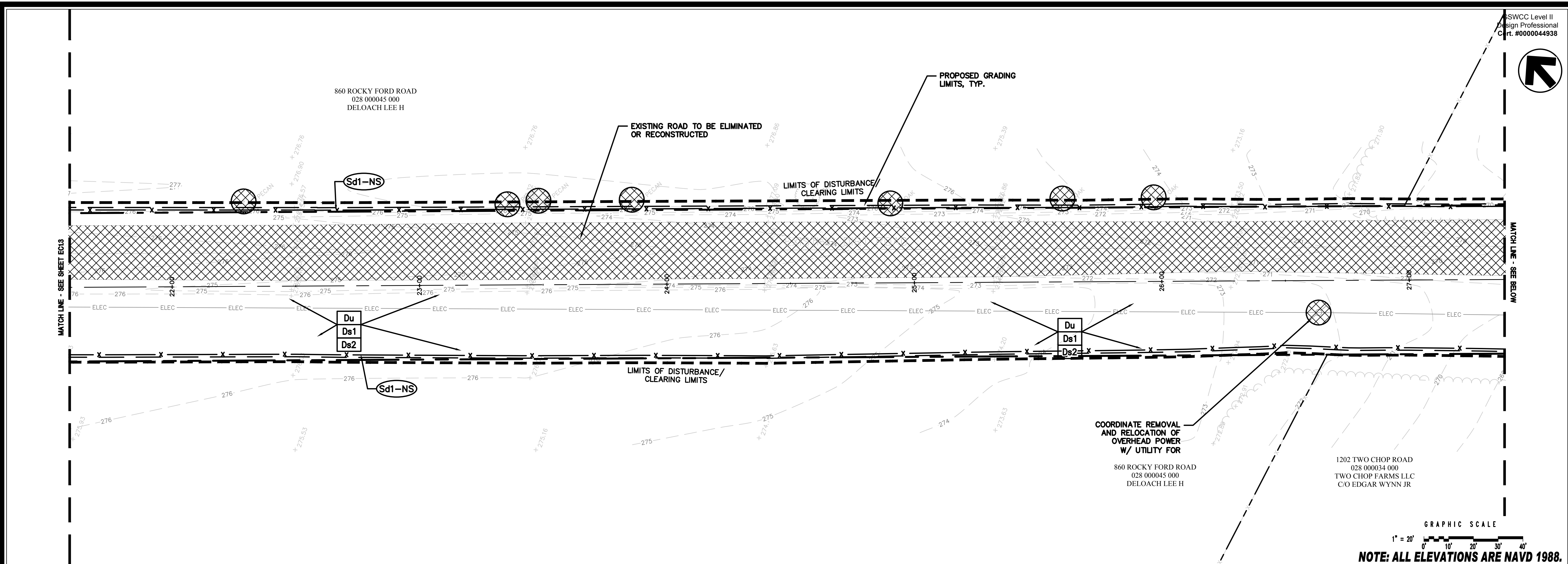
DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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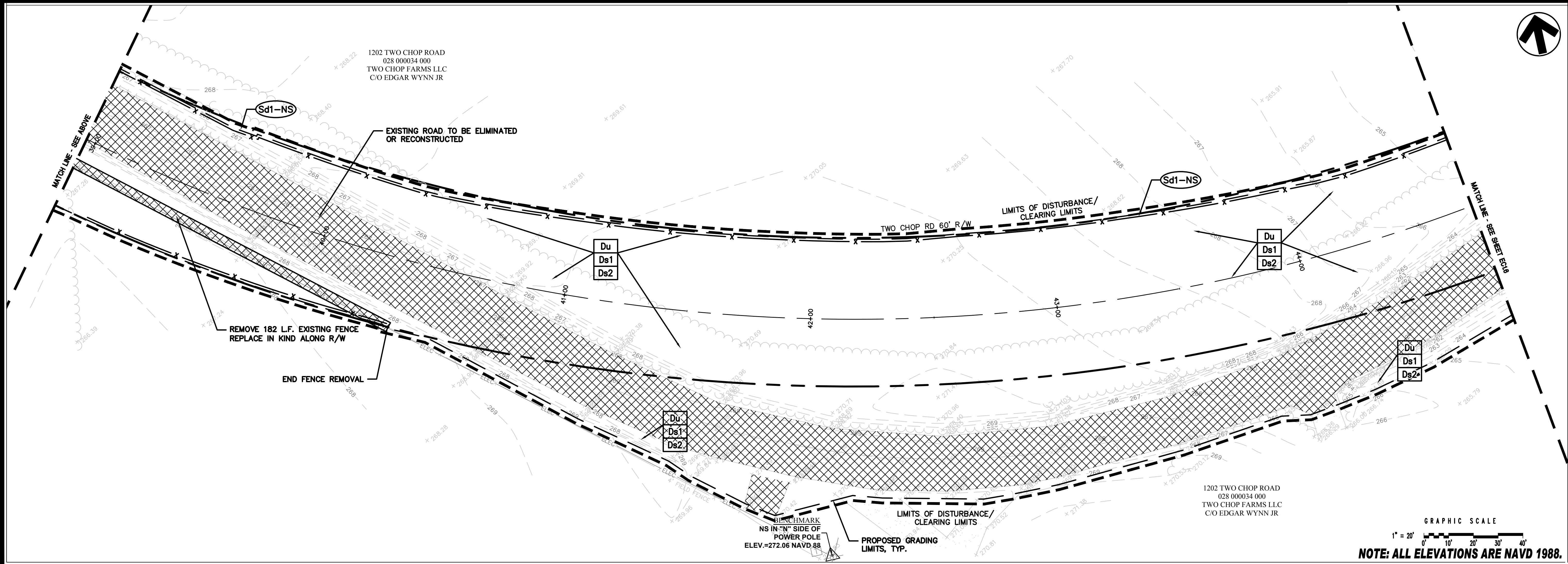
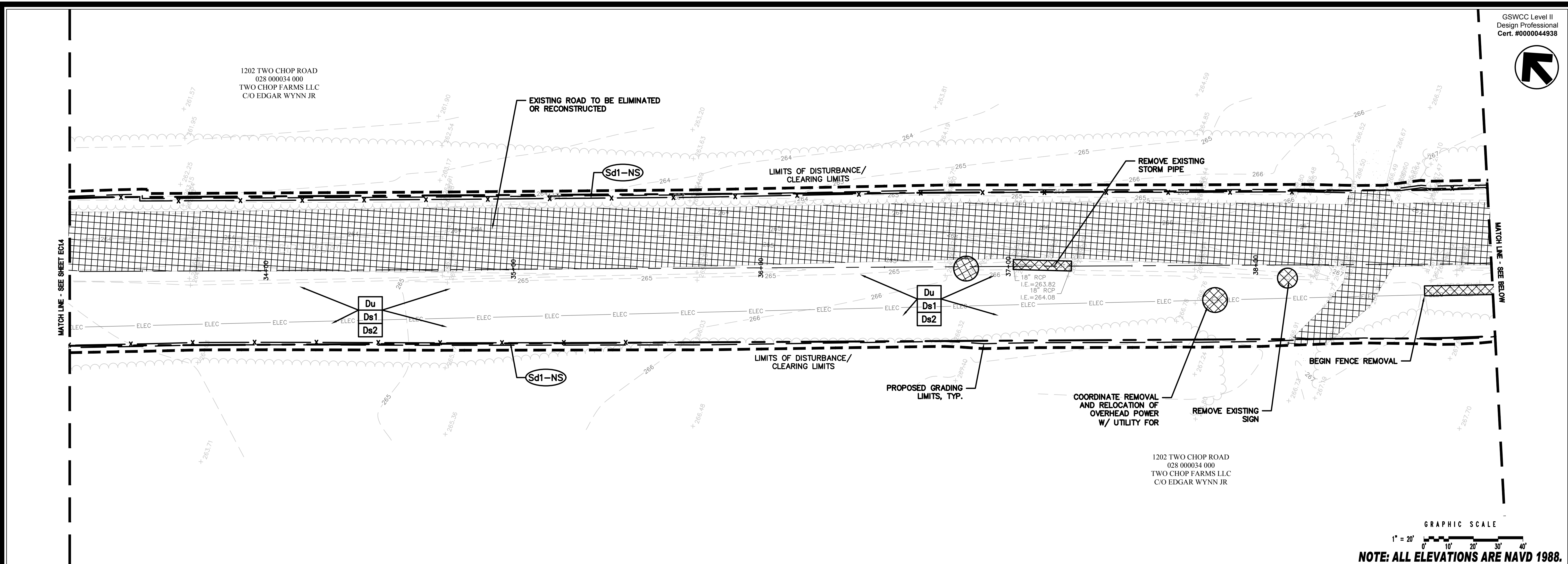
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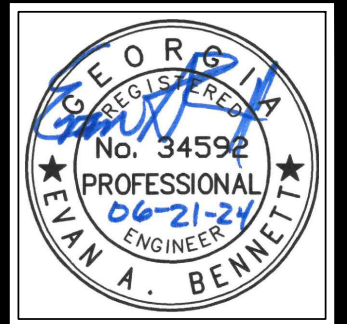
REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

DRAWING NUMBER
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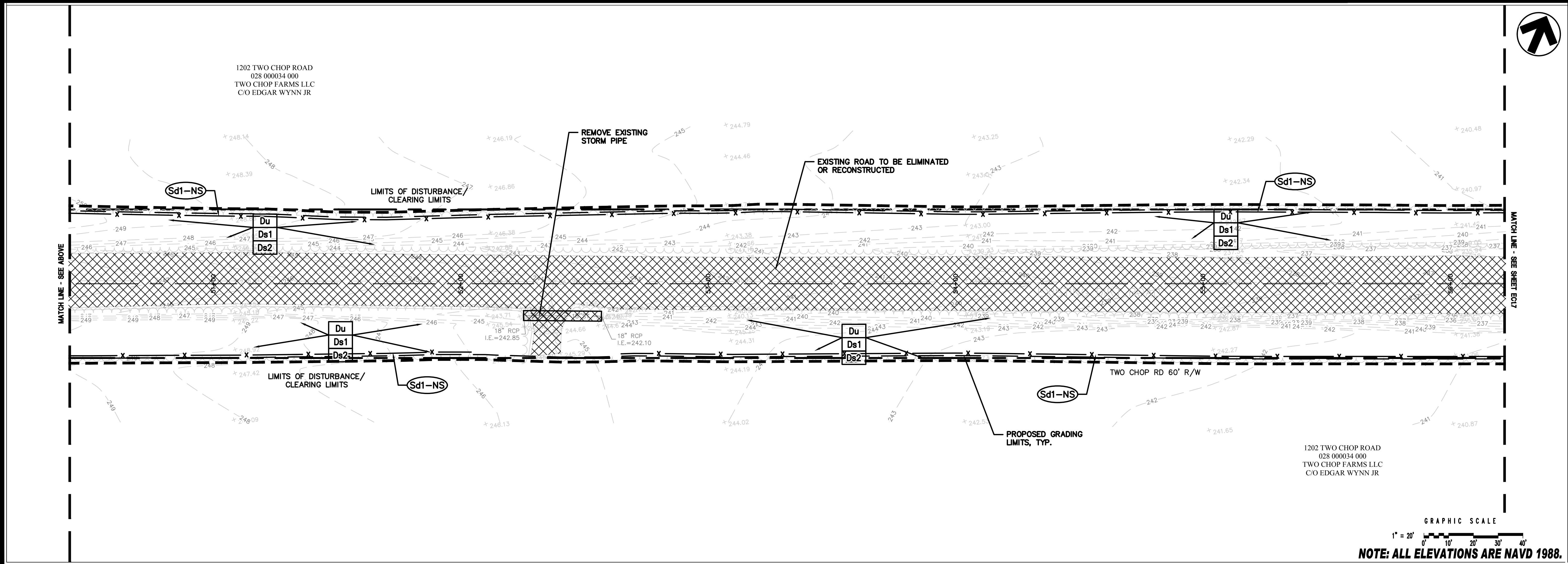
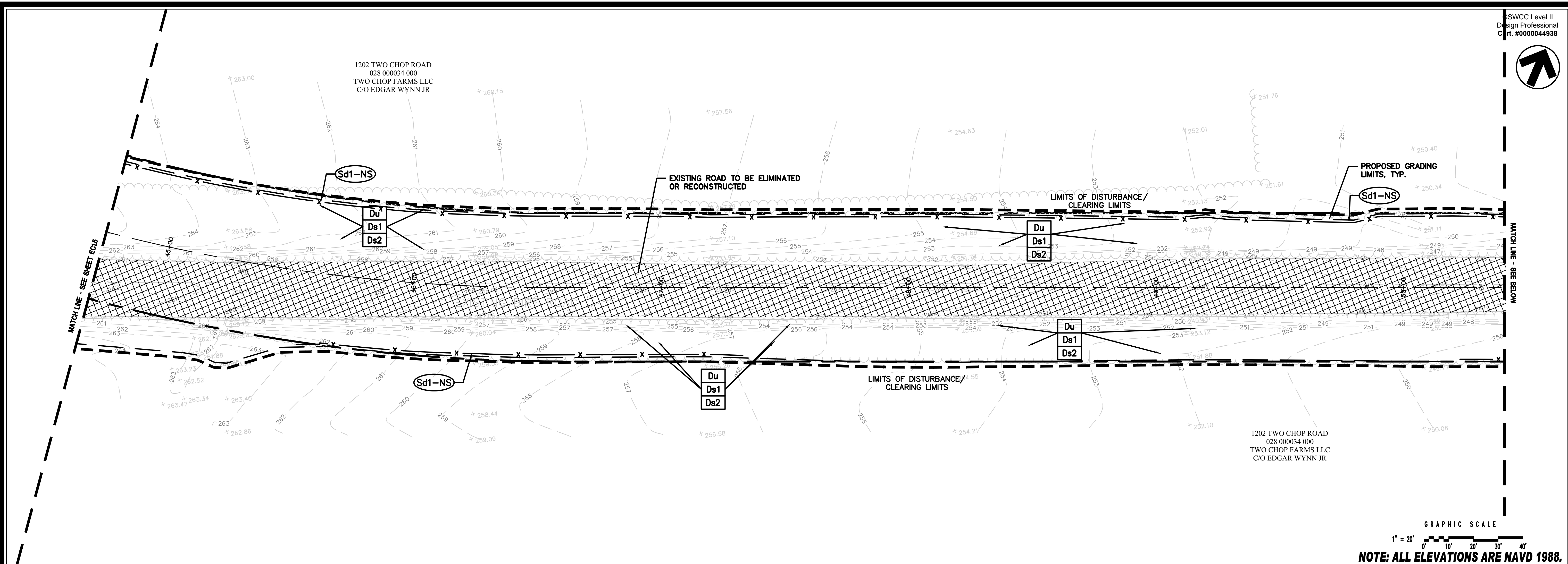
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NO.	DATE	DESCRIPTION

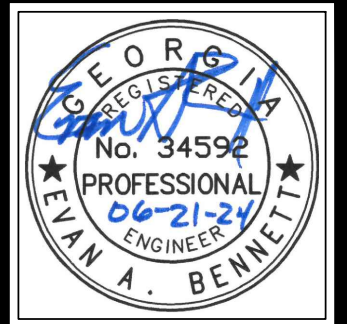
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

DRAWING NUMBER
EC15



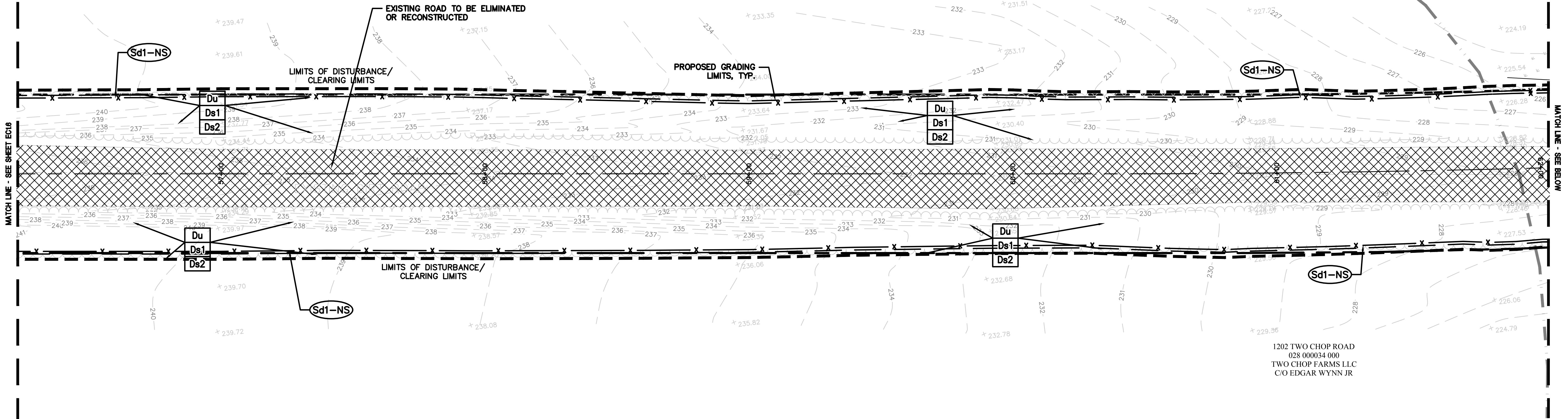
1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

SWCC Level II
Design Professional
Crt. #0000044938



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

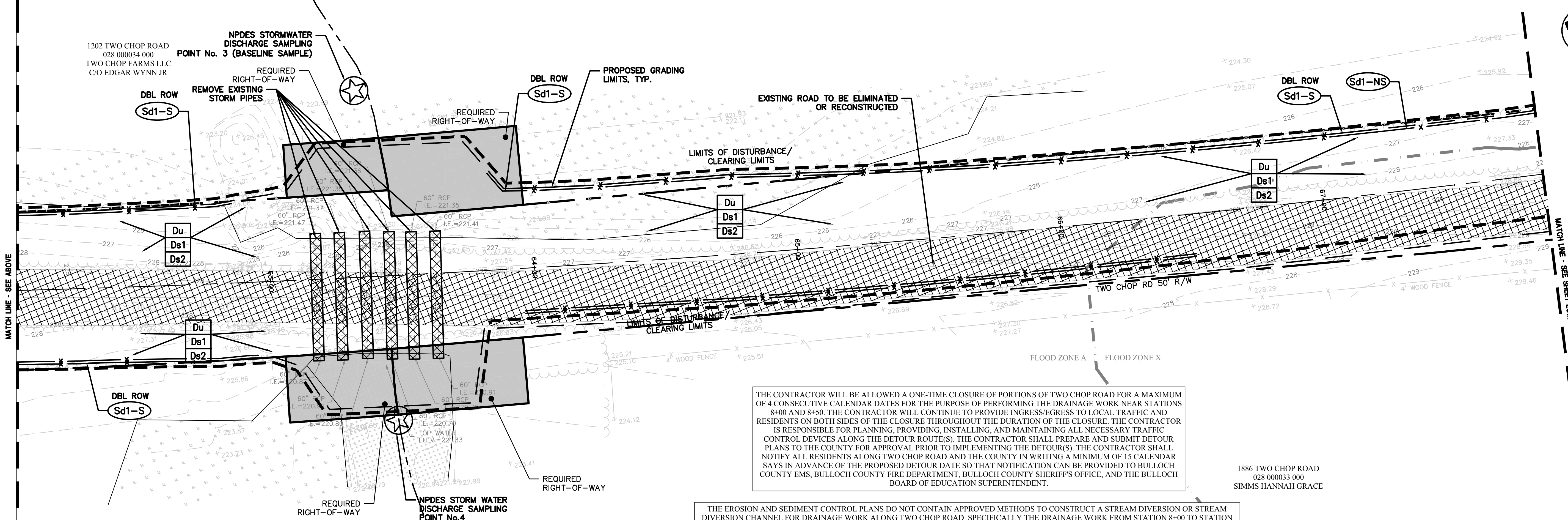
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GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

NPDES STORMWATER
DISCHARGE SAMPLING
POINT No. 3 (BASELINE SAMPLE)



THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO CHOP ROAD FOR A MAXIMUM OF 4 CONSECUTIVE CALENDAR DATES FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 8+00 AND 8+50. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING, AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE, AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

THE EROSION AND SEDIMENT CONTROL PLANS DO NOT CONTAIN APPROVED METHODS TO CONSTRUCT A STREAM DIVERSION OR STREAM DIVERSION CHANNEL FOR DRAINAGE WORK ALONG TWO CHOP ROAD, SPECIFICALLY THE DRAINAGE WORK FROM STATION 8+00 TO STATION 8+50 WITHIN AN INTERMITTENT STREAM, AND FROM STATION 63+00 TO STATION 64+00 WITHIN THE FRESH WATERS OF THE PERENNIAL STREAM, MILL CREEK. ADDITIONALLY, BOTH OF THESE LOCATIONS ARE CITED WITHIN THE EROSION AND SEDIMENT CONTROL PLANS AS NPDES STORMWATER DISCHARGE SAMPLING POINTS. THEREFORE, PRIOR TO THE PERFORMANCE OF THE DRAINAGE WORK AT BOTH LOCATIONS, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A DETAILED PLAN THAT CLEARLY DEFINES THE SEQUENCE OF OPERATIONS FOR DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF NEW STRUCTURES, WHILE ALSO PROVIDING FOR A TEMPORARY STREAM DIVERSION OR A STREAM DIVERSION CHANNEL THAT ADEQUATELY COMPLIES WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT.

1886 TWO CHOP ROAD
028 000033 000
SIMMS HANNAH GRACE

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.

DATE: JUNE 21, 2024

JOB NO. 122148117

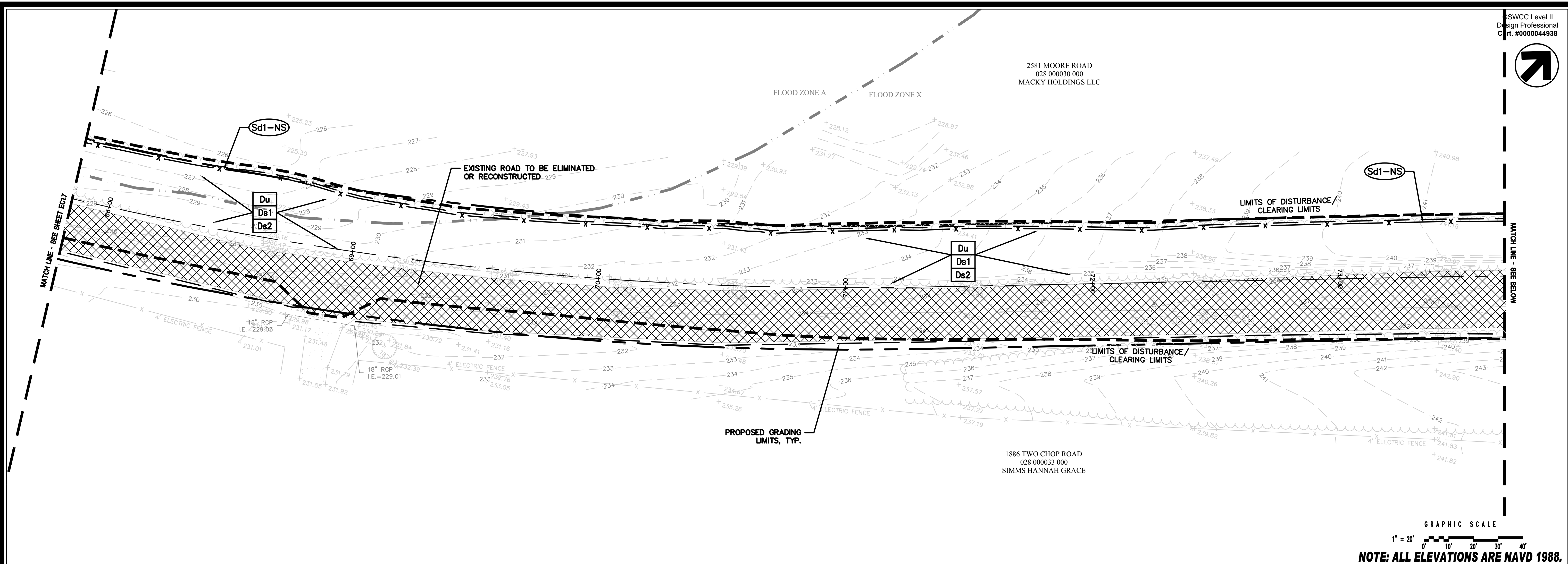
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TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

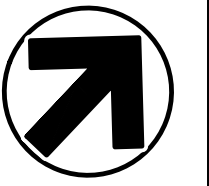
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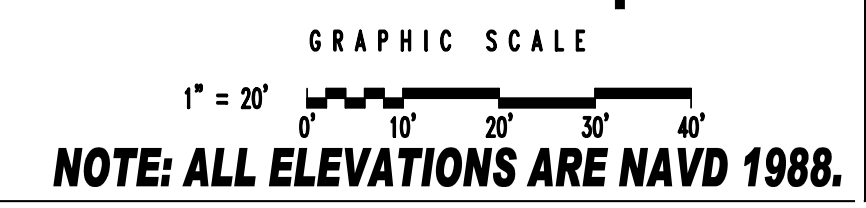
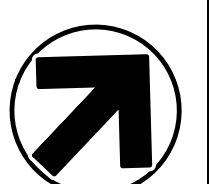
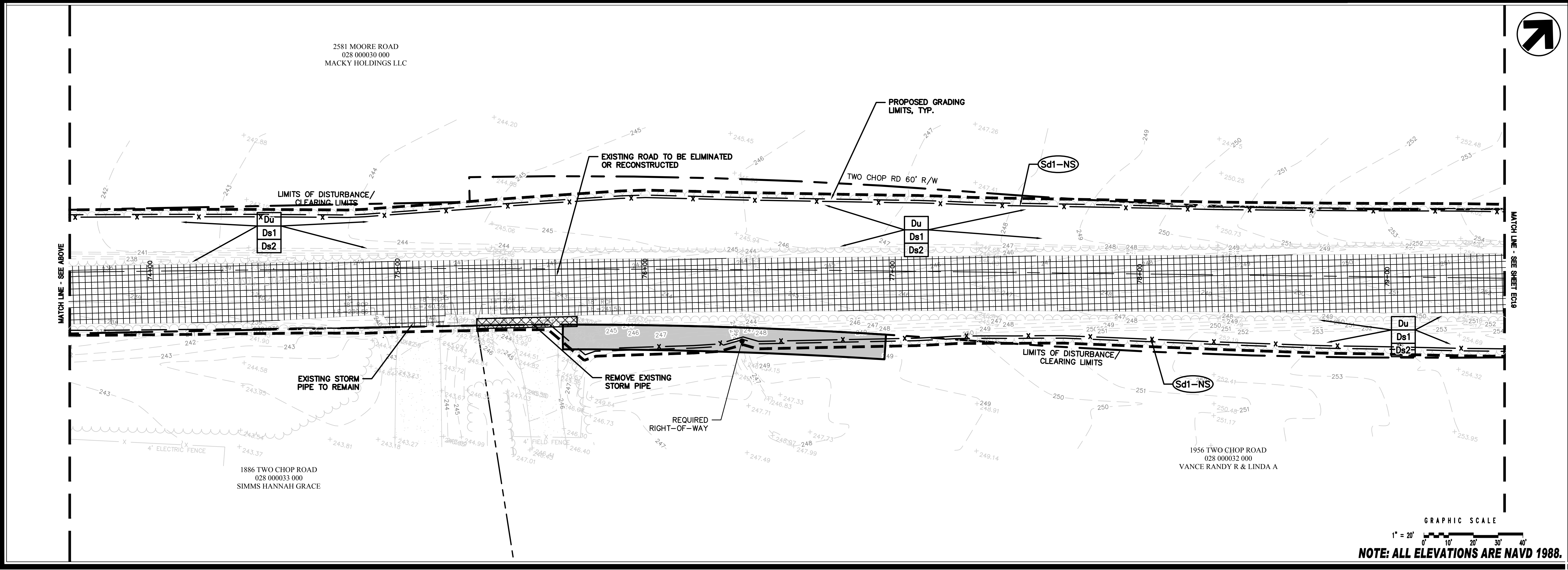
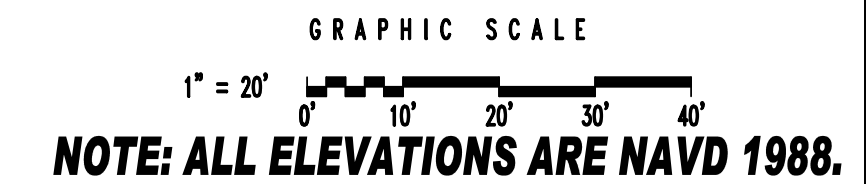
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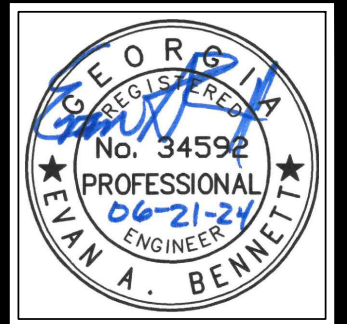
DESIGNED: M.D.R. DRAWN: J.J.M. CHECKED: E.A.B.
DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
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BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

DRAWING NUMBER
EC17

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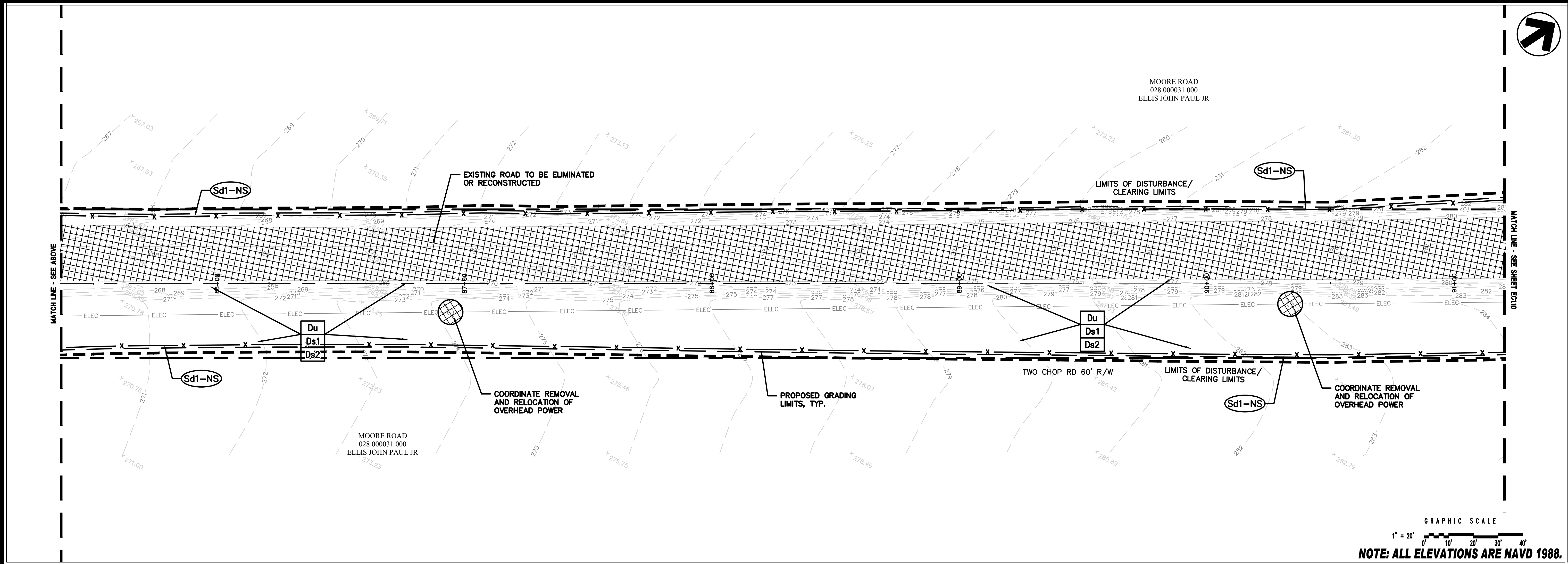
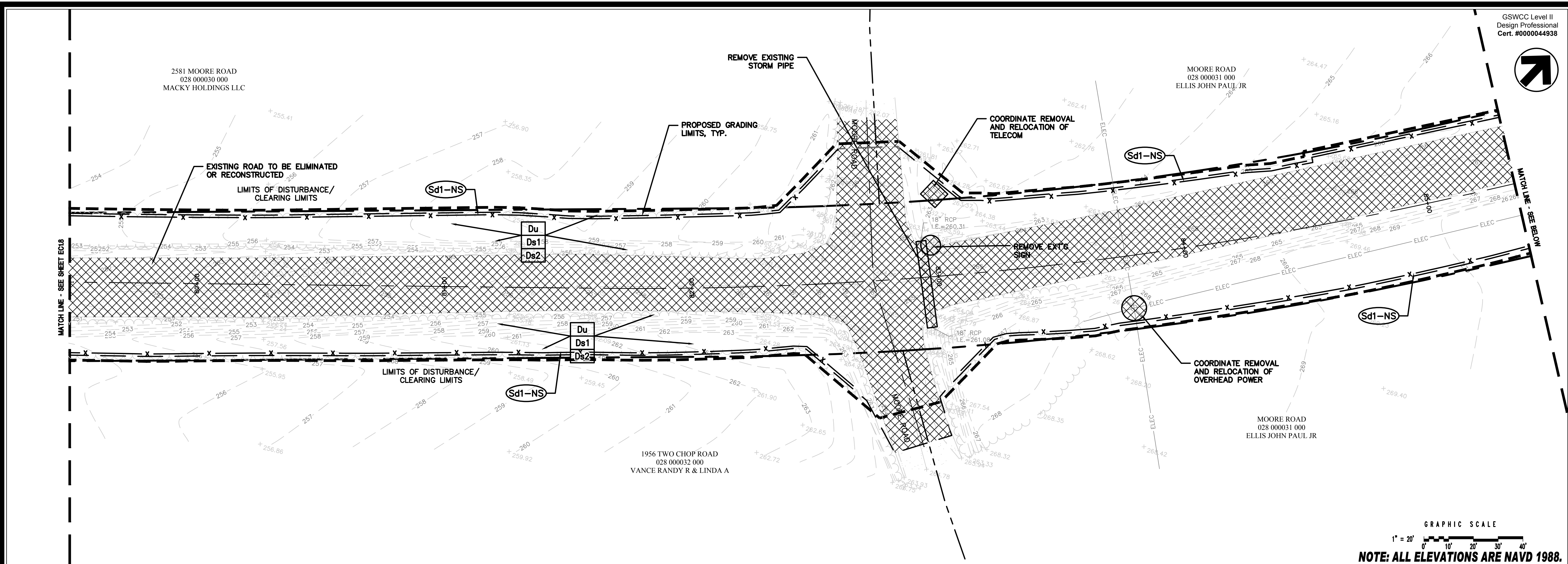
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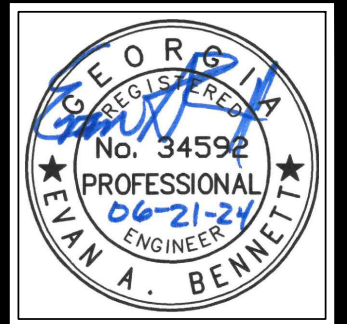
TWO CHOP ROAD PAVING
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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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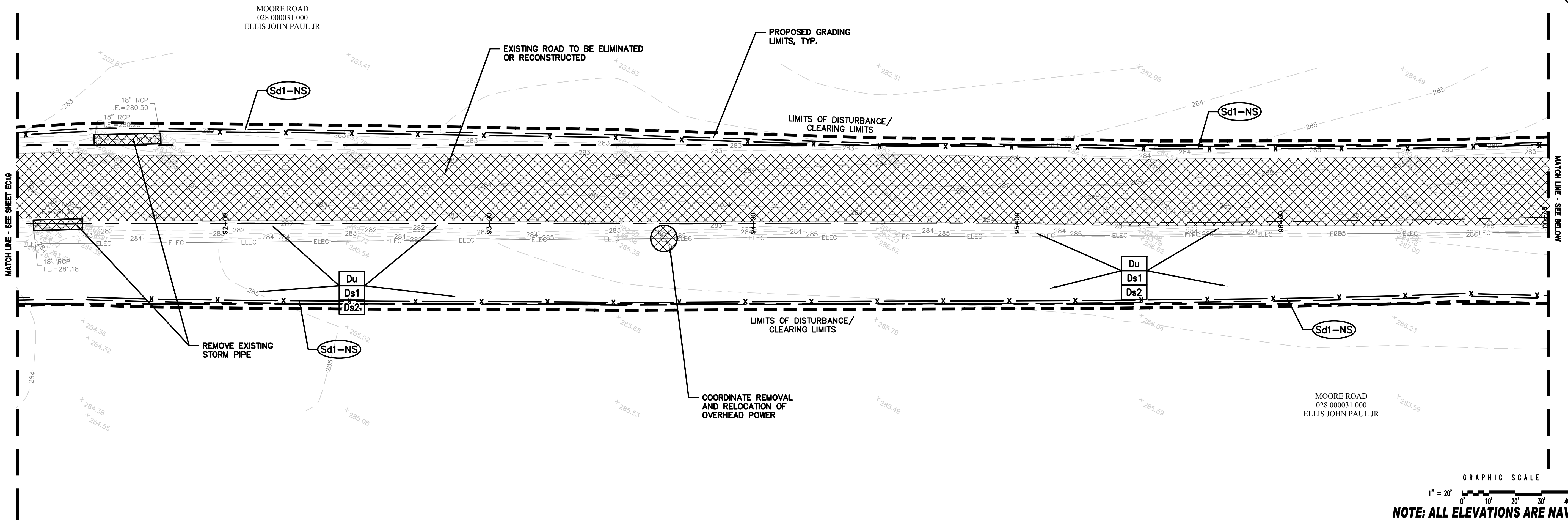
REVISIONS:

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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

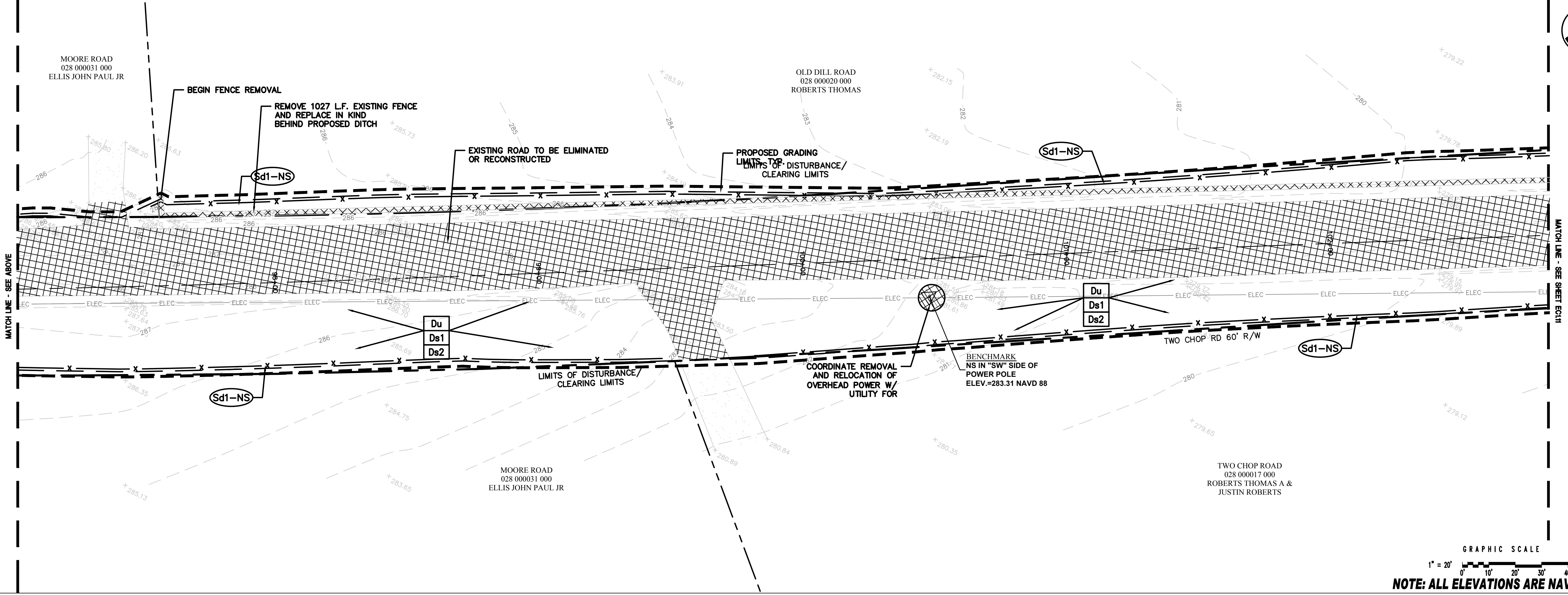
TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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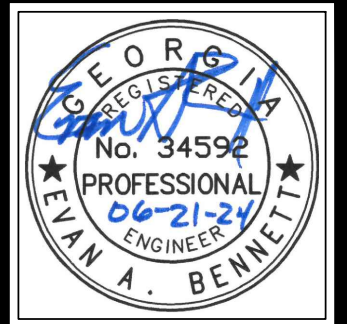
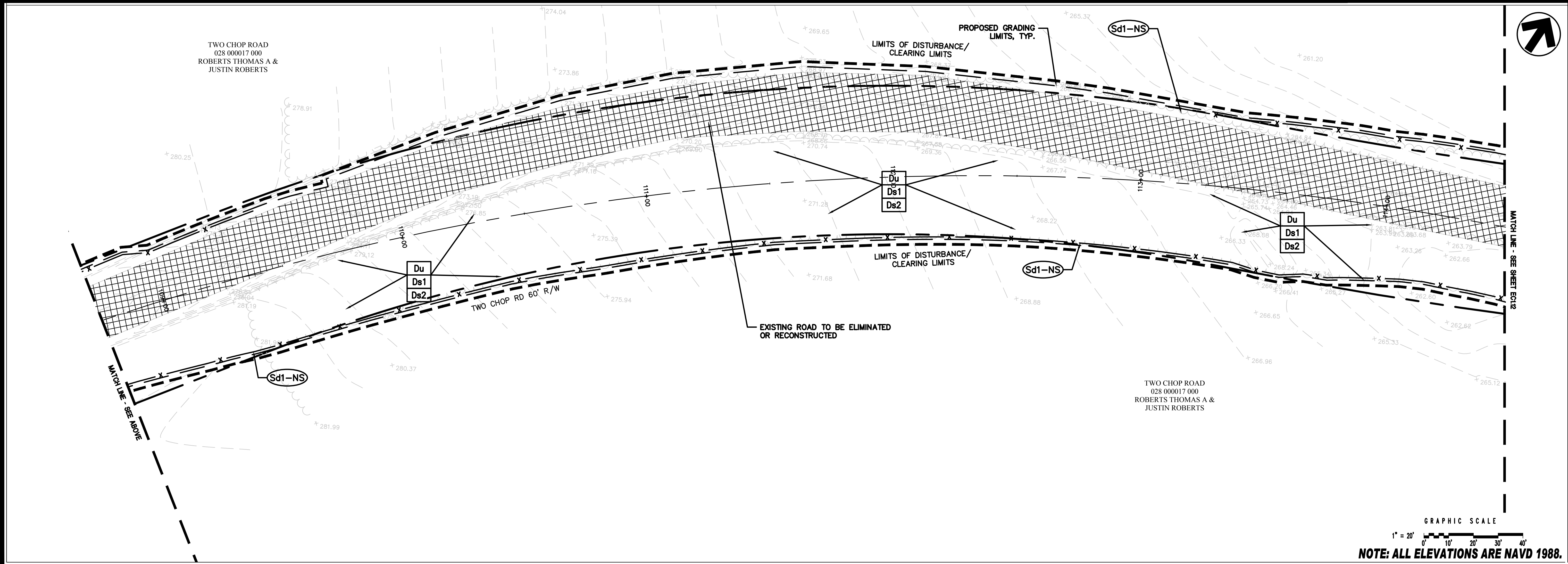
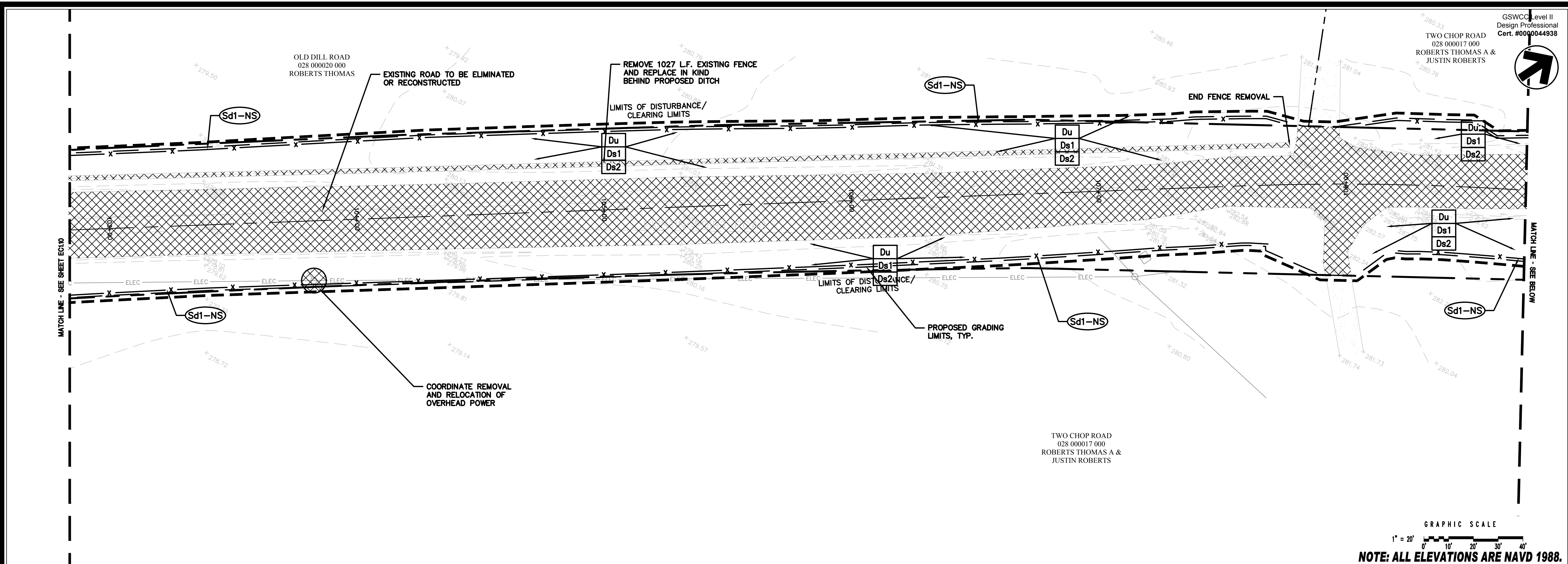
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GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40'
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
 ROCKY FORD ROAD TO U.S. HIGHWAY 25
 BULLOCH COUNTY, GEORGIA
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 EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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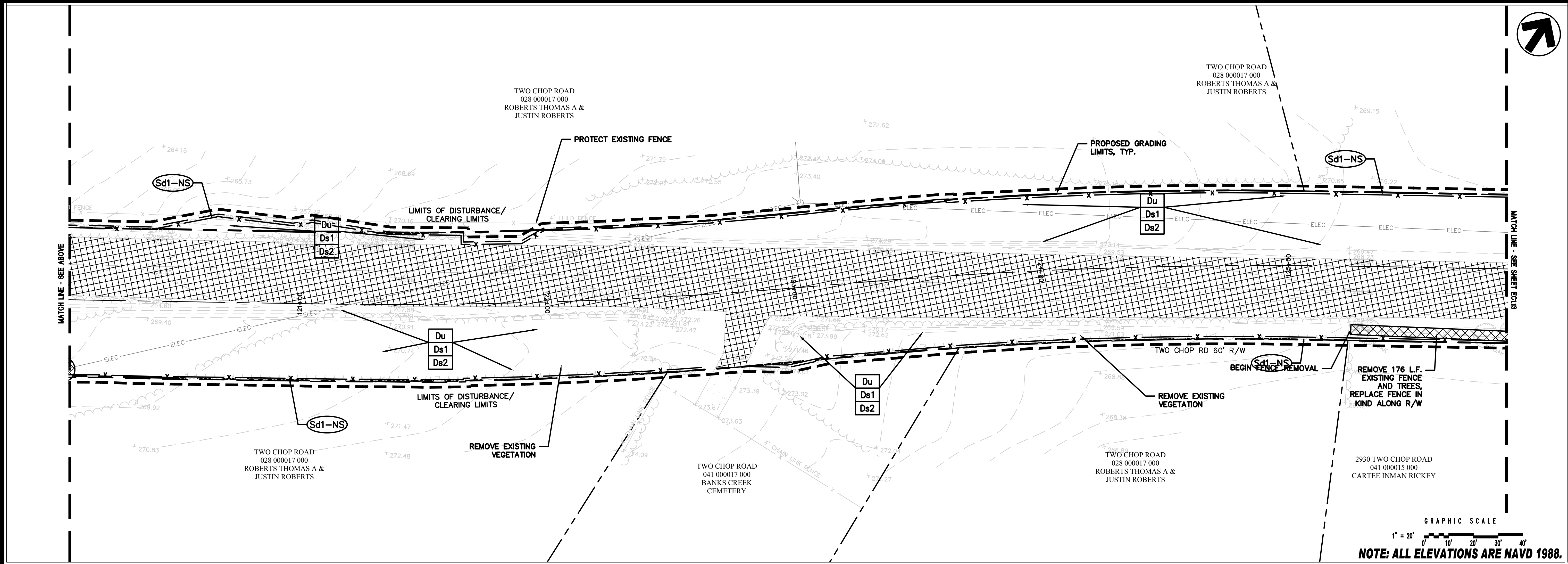
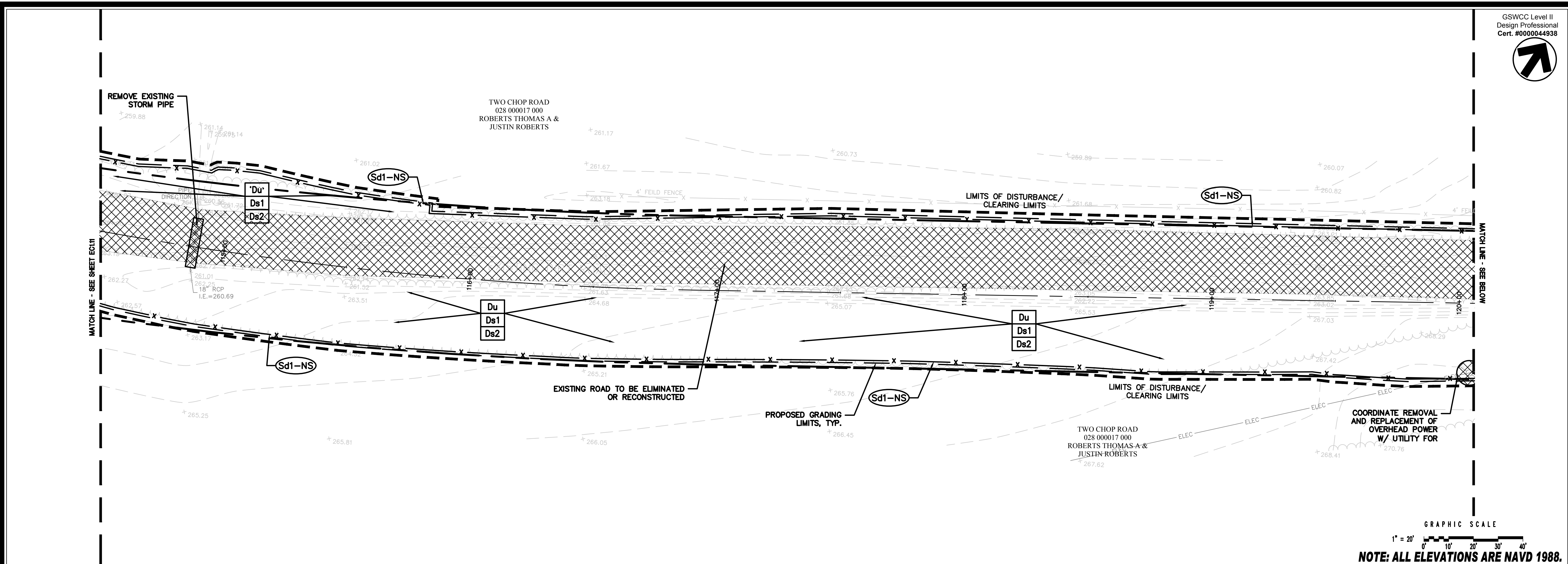
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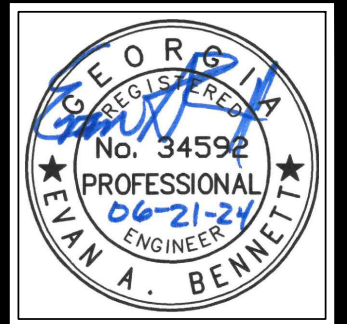
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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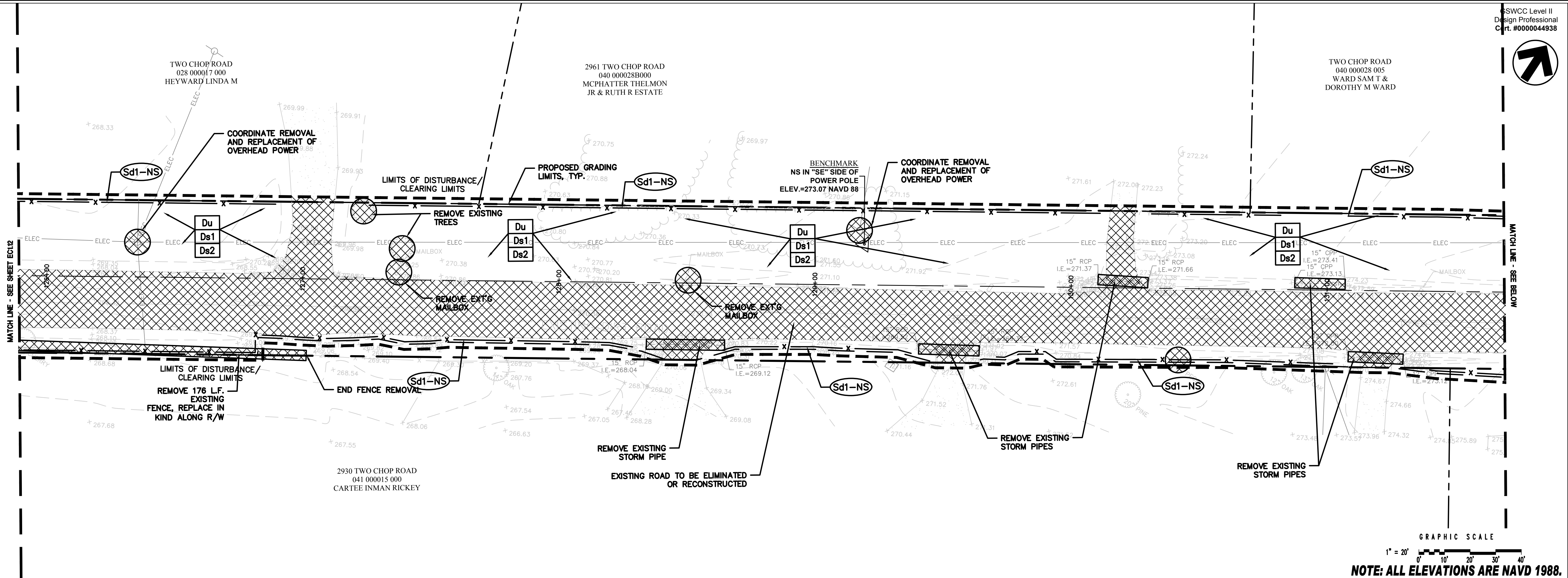
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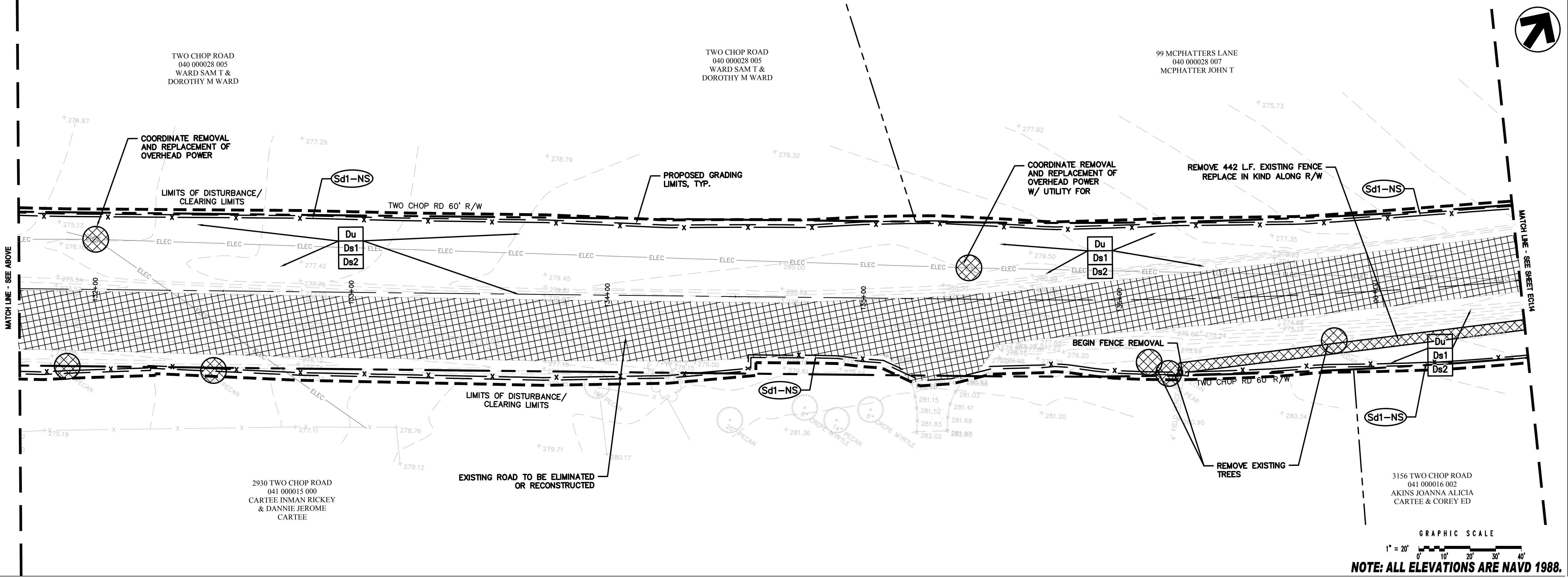
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DATE: JUNE 21, 2024		
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TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

DRAWING NUMBER
EC1.12



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

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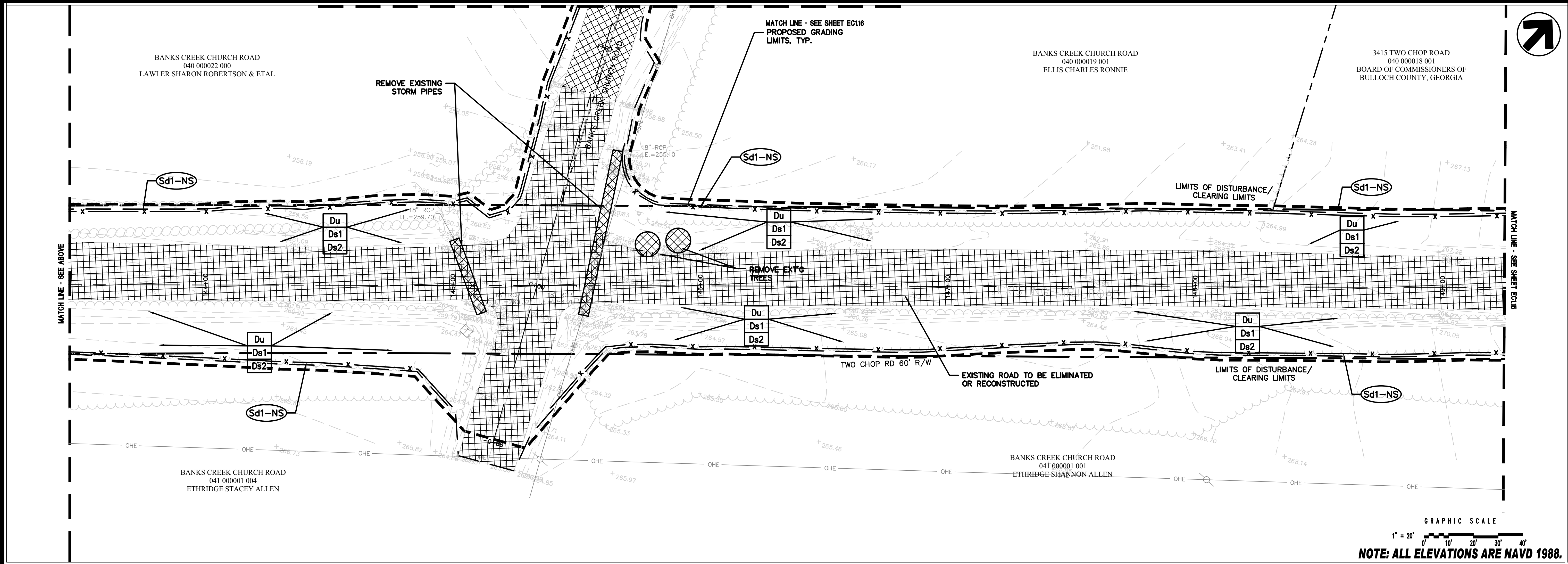
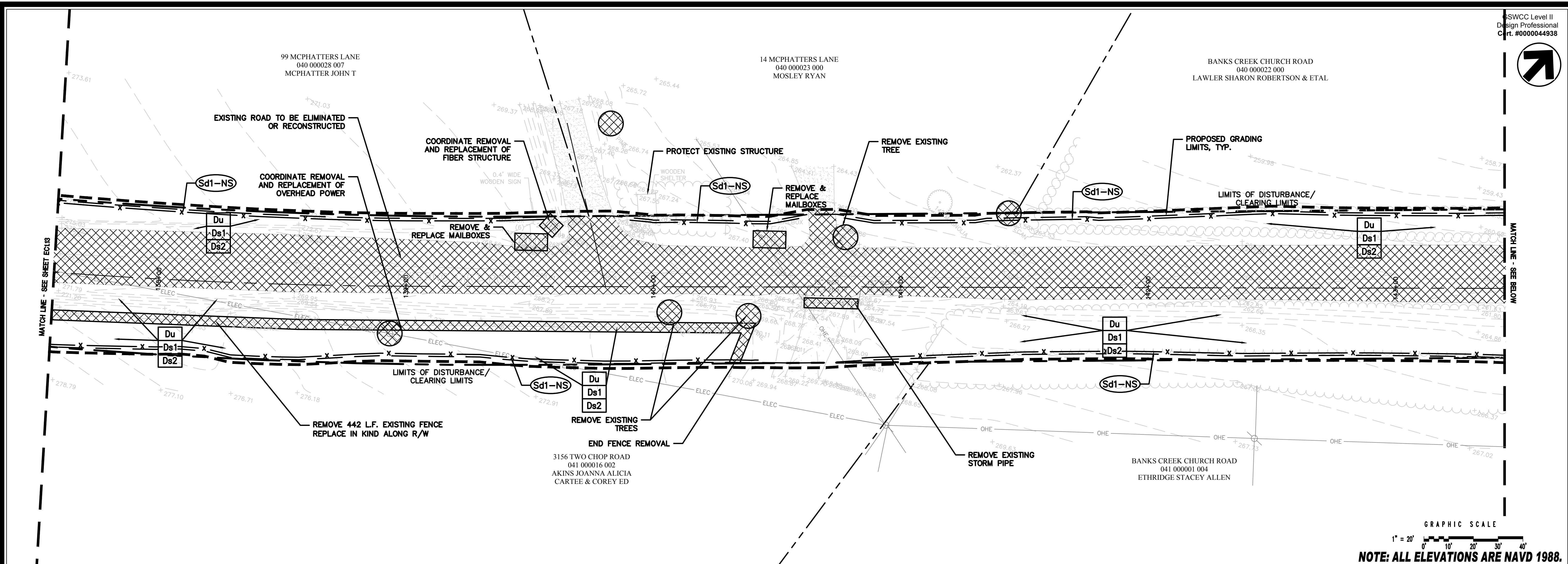
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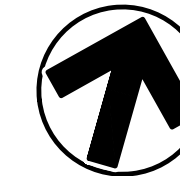
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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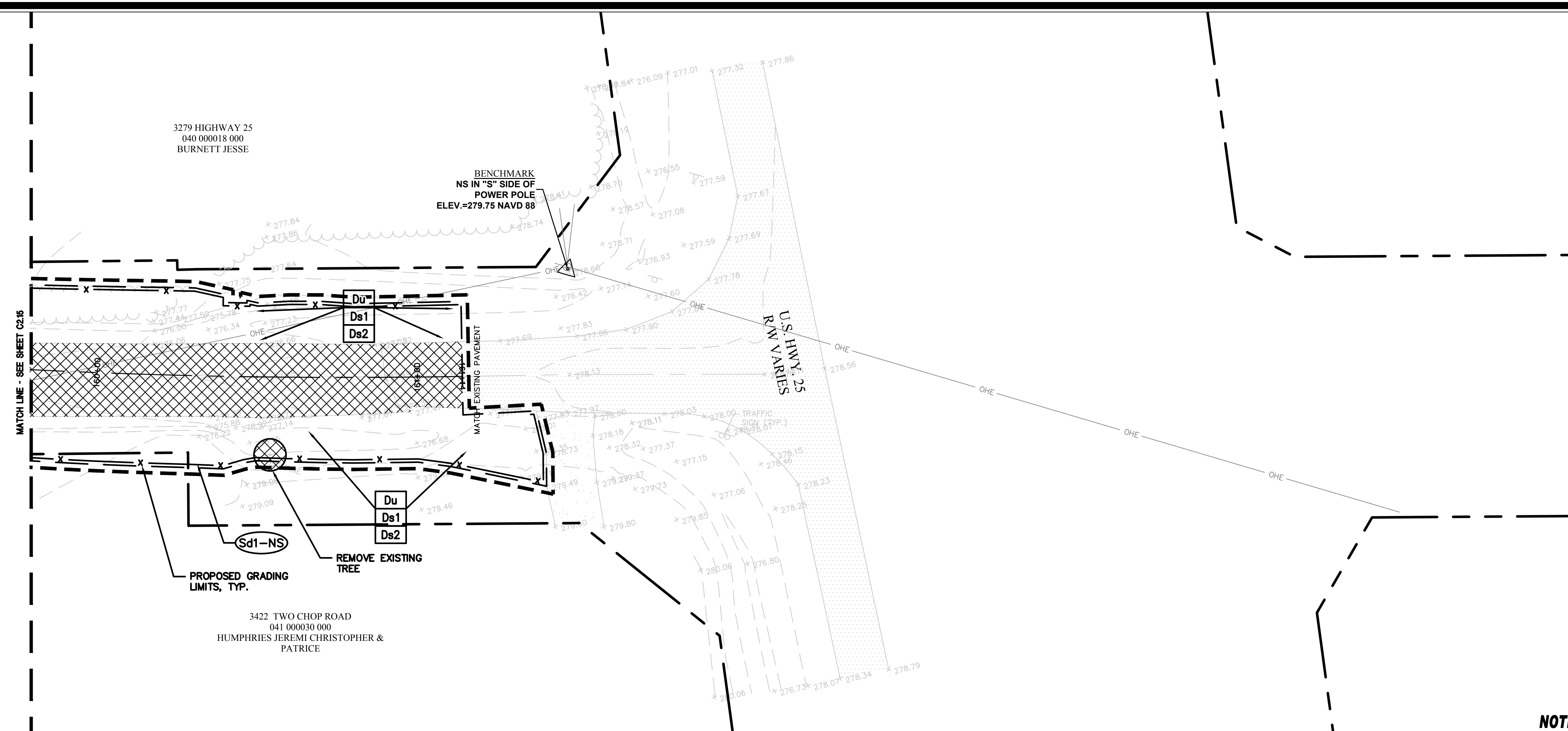
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
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BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

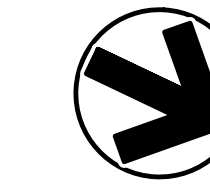
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GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

GRAPHIC SCALE
1" = 20'
0' 10' 20' 30' 40'
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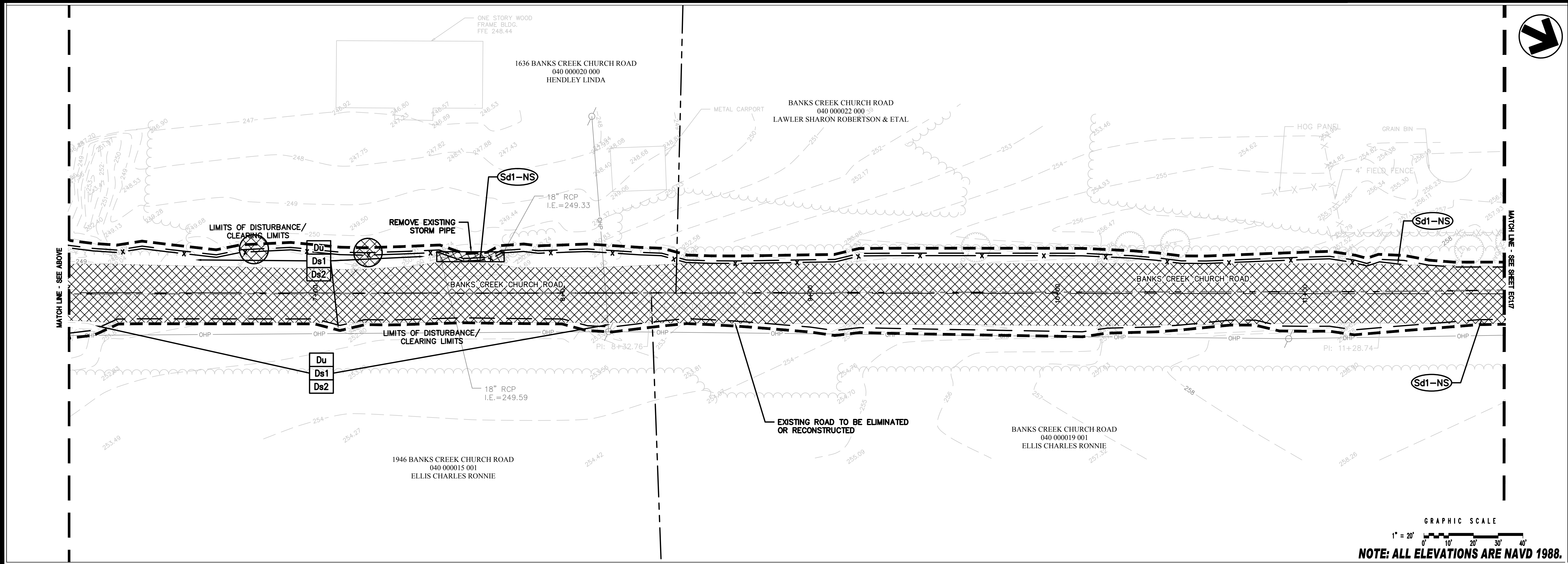
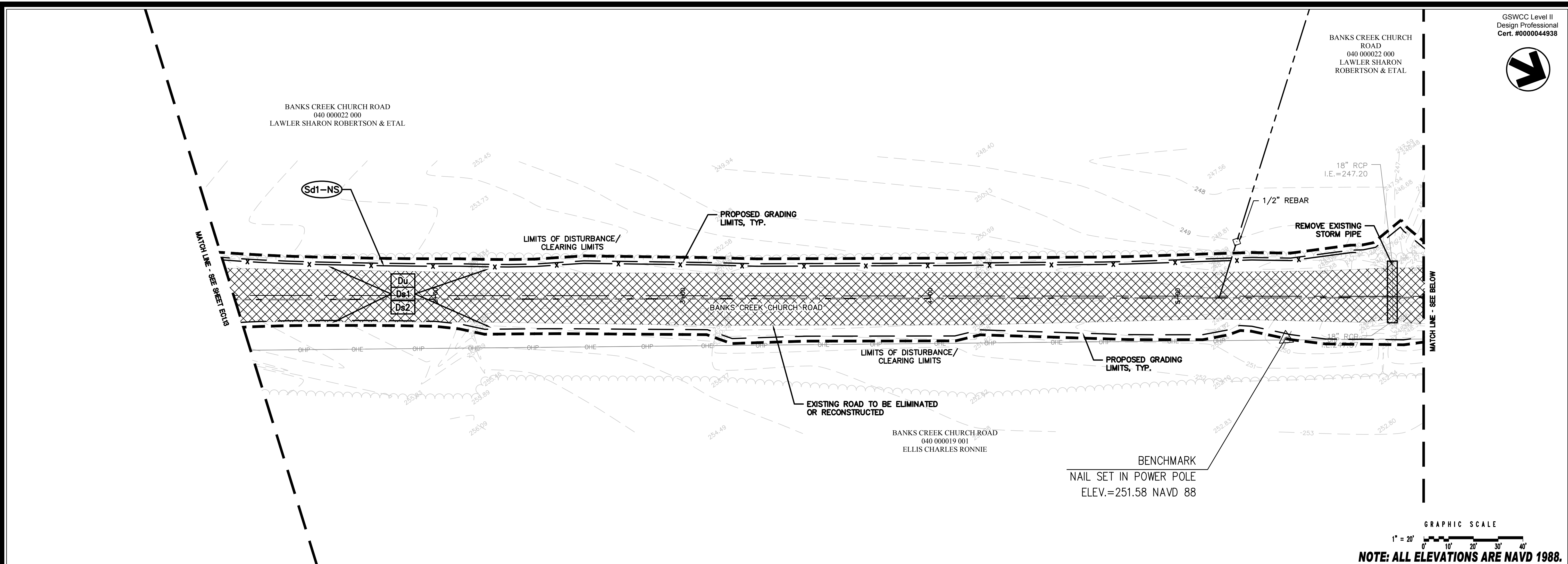
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
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BULLOCH COUNTY, GEORGIA
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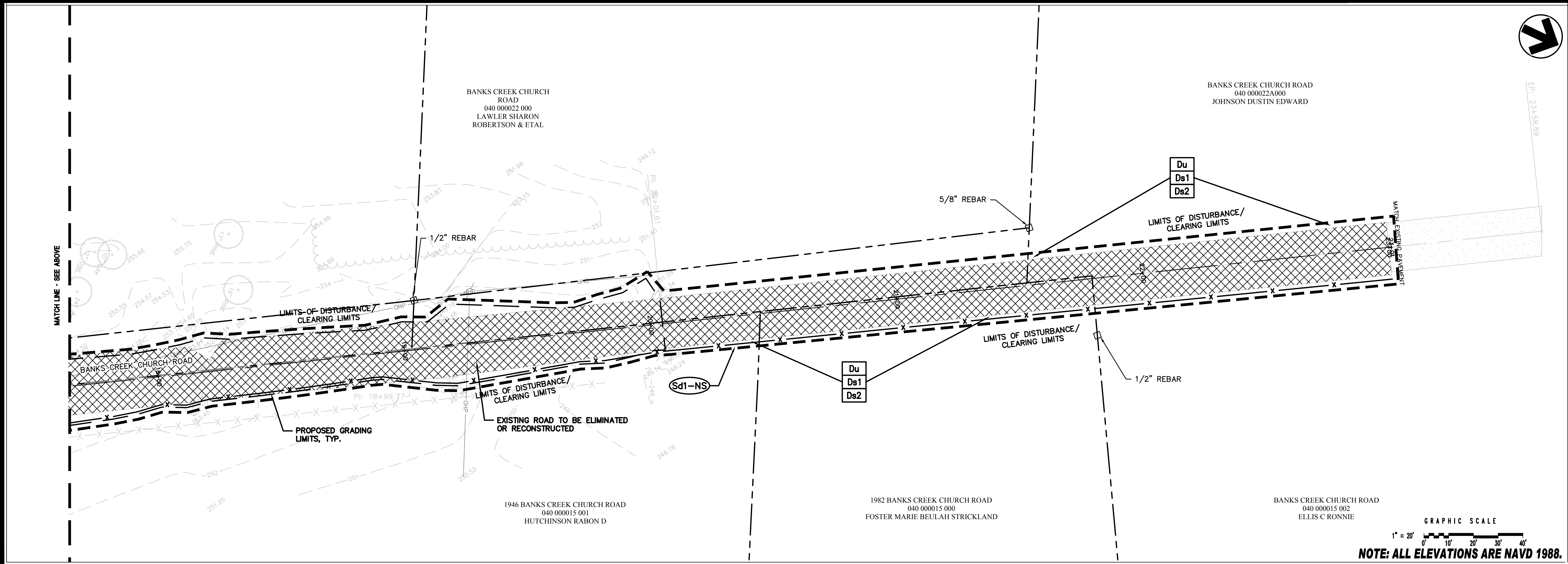
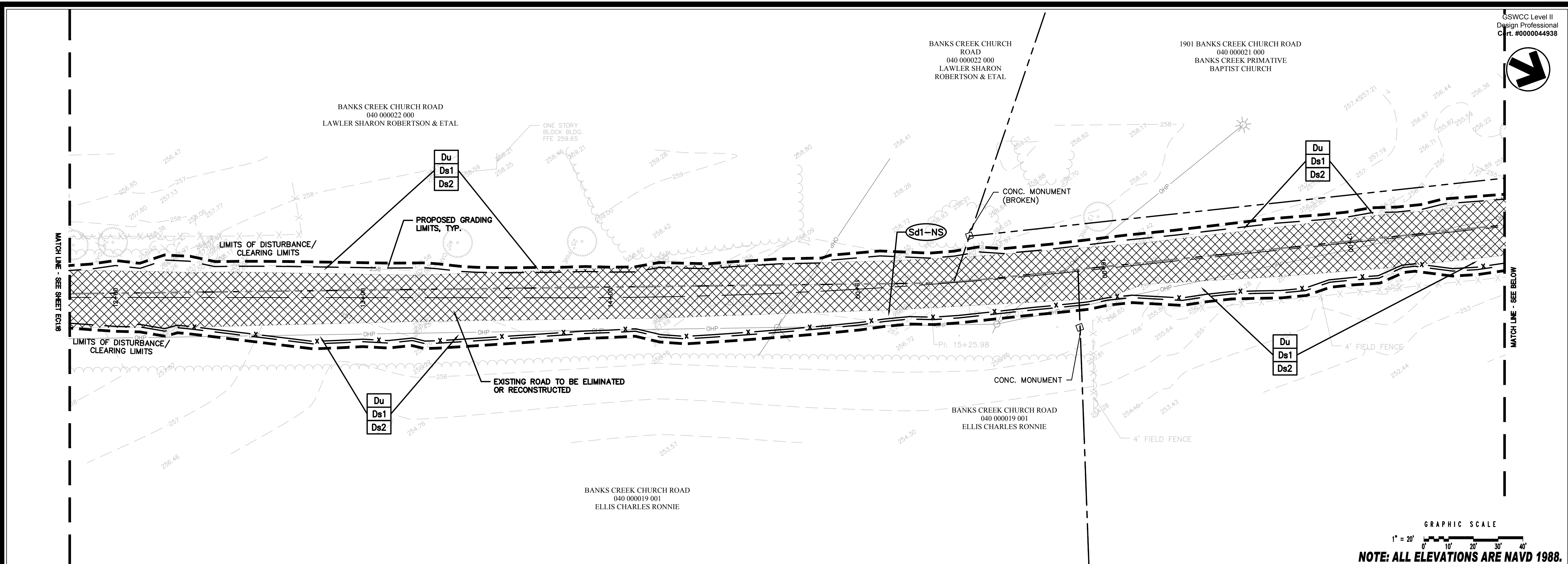
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
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EROSION AND SEDIMENT CONTROL PLAN - INITIAL PHASE

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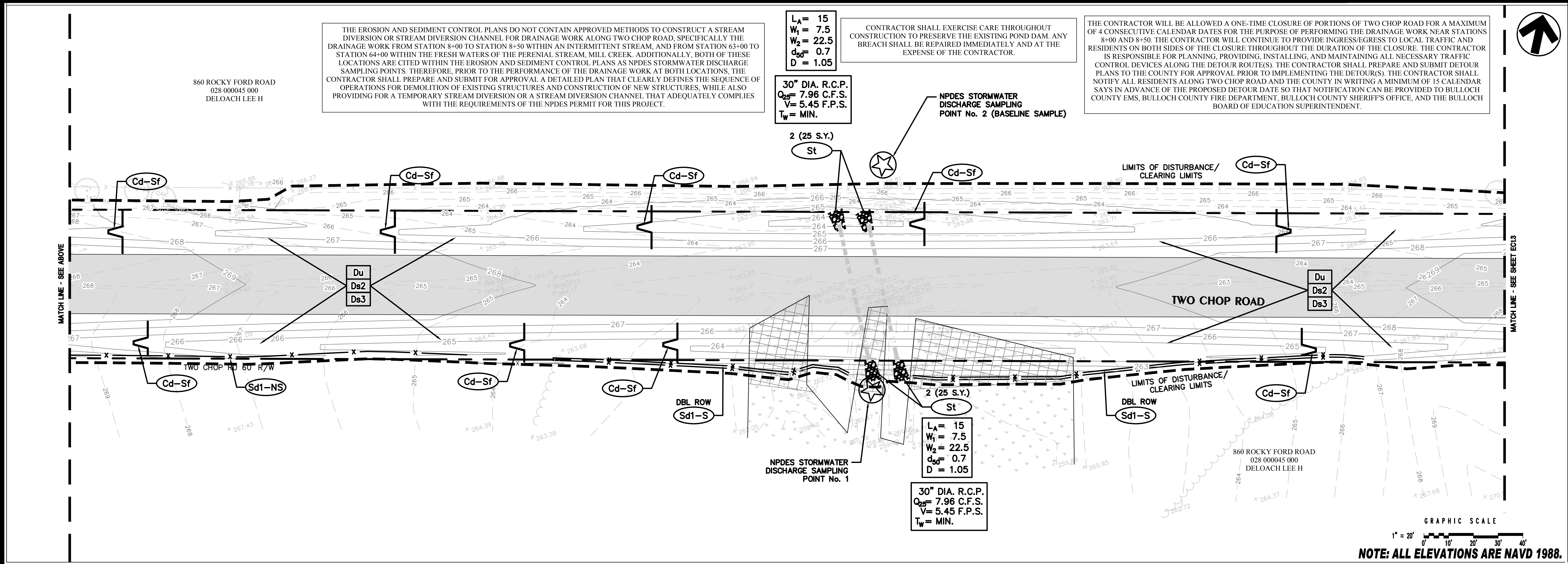
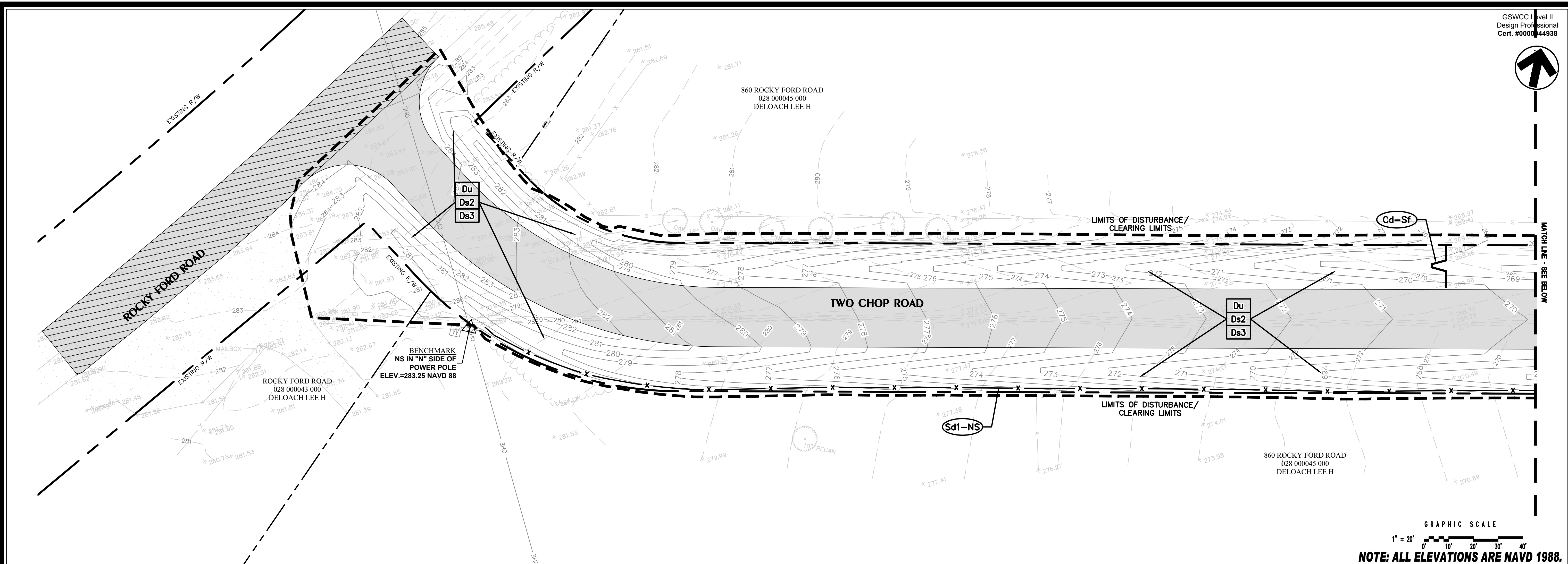
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SCALE: 1" = 20'		

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EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

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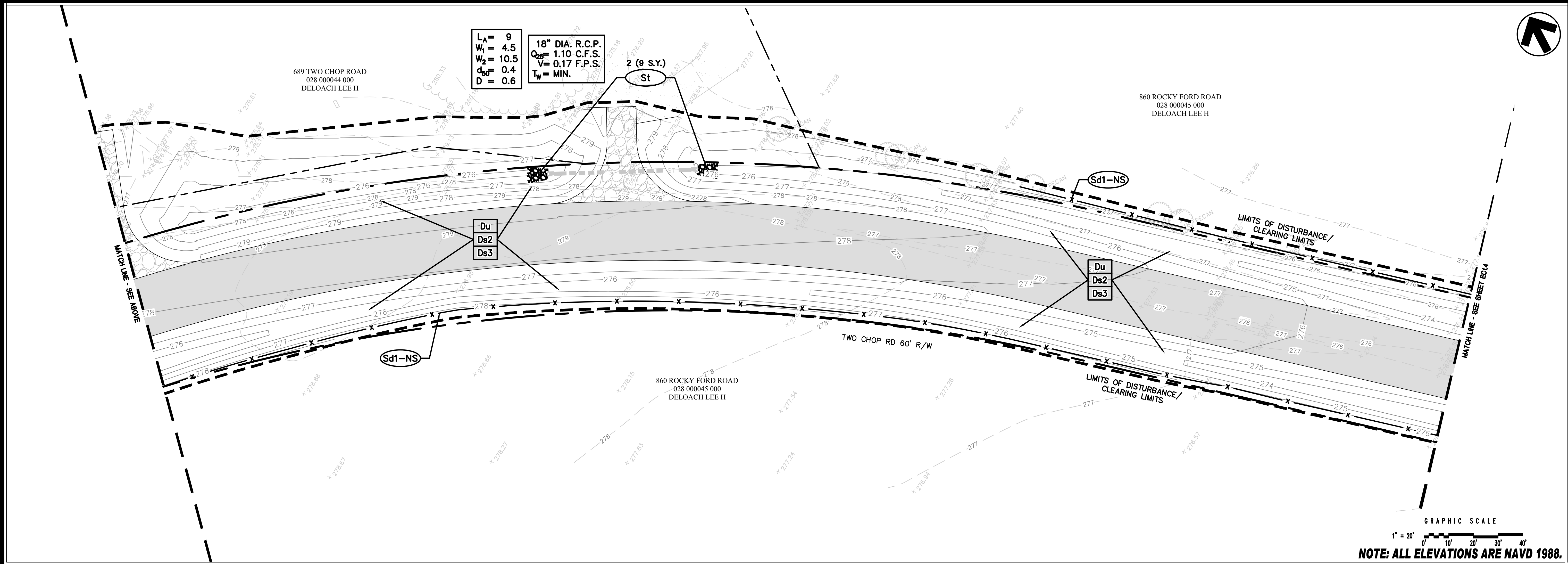
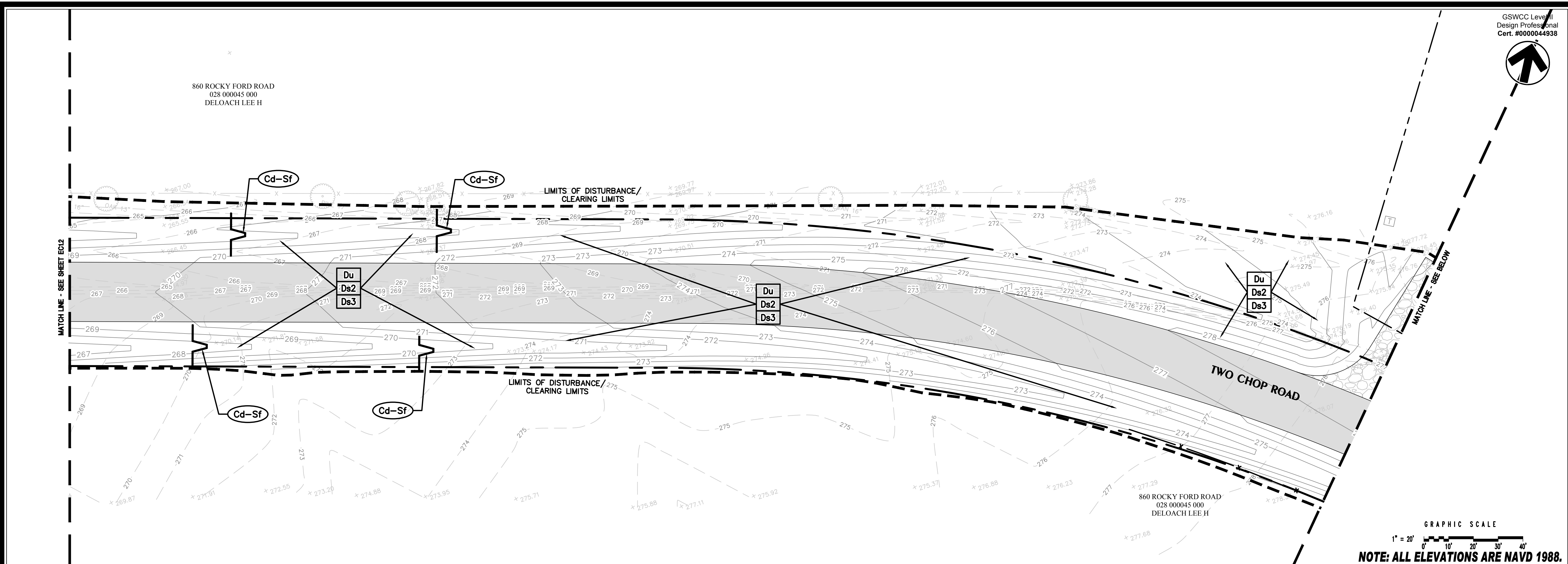
REVISIONS:

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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

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EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
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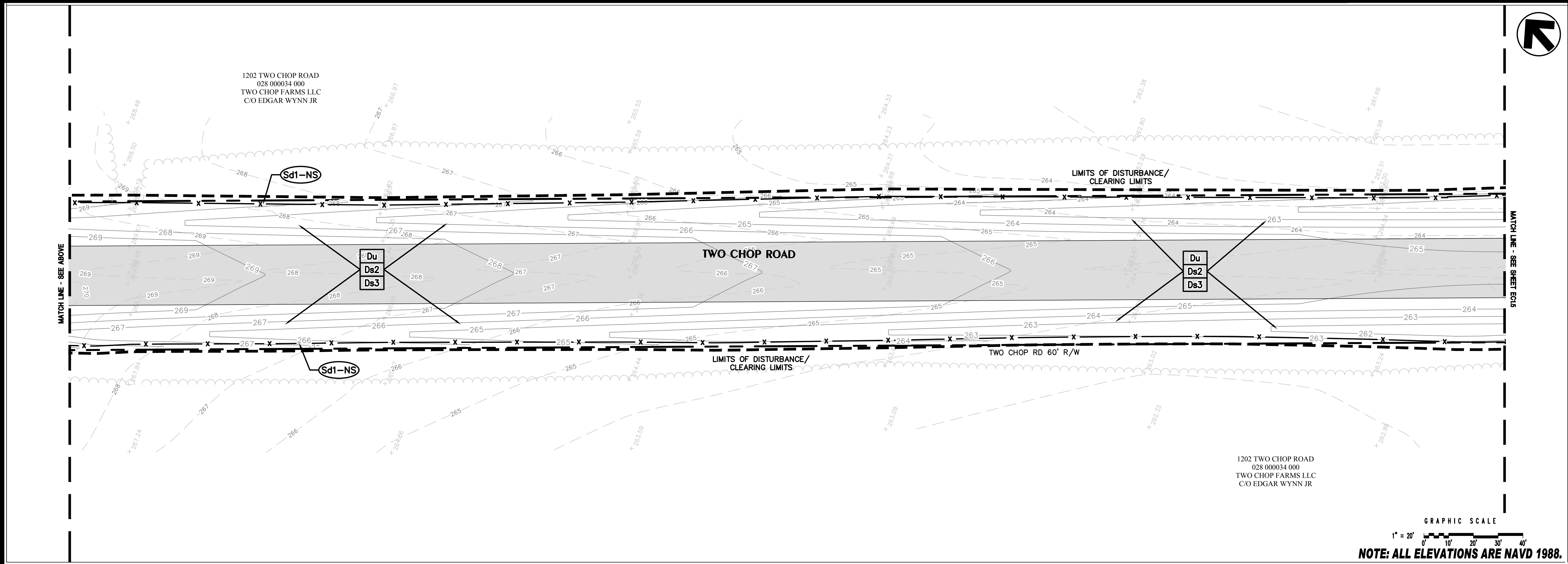
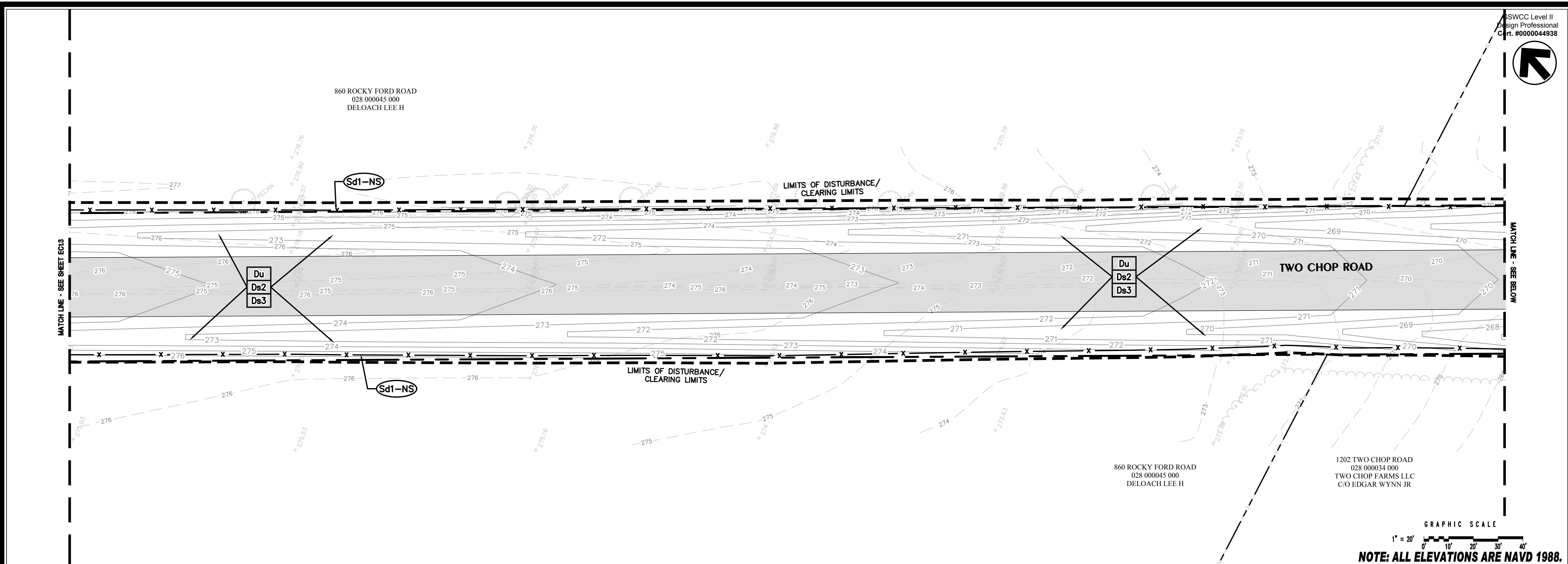
REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

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DRAWING NUMBER
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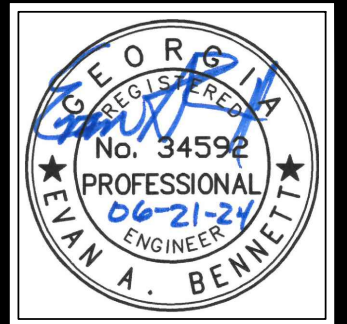
1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

$L_A = 9$
 $W_1 = 4.5$
 $W_2 = 10.5$
 $d_{50} = 0.4$
 $D = 0.6$

18" DIA. R.C.P.
 $Q_{25} = 0.05$ C.F.S.
 $V = 1.13$ F.P.S.
 $T_w = \text{MIN.}$



GSWCC Level II
Design Professional
Cert. #0000044938



HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

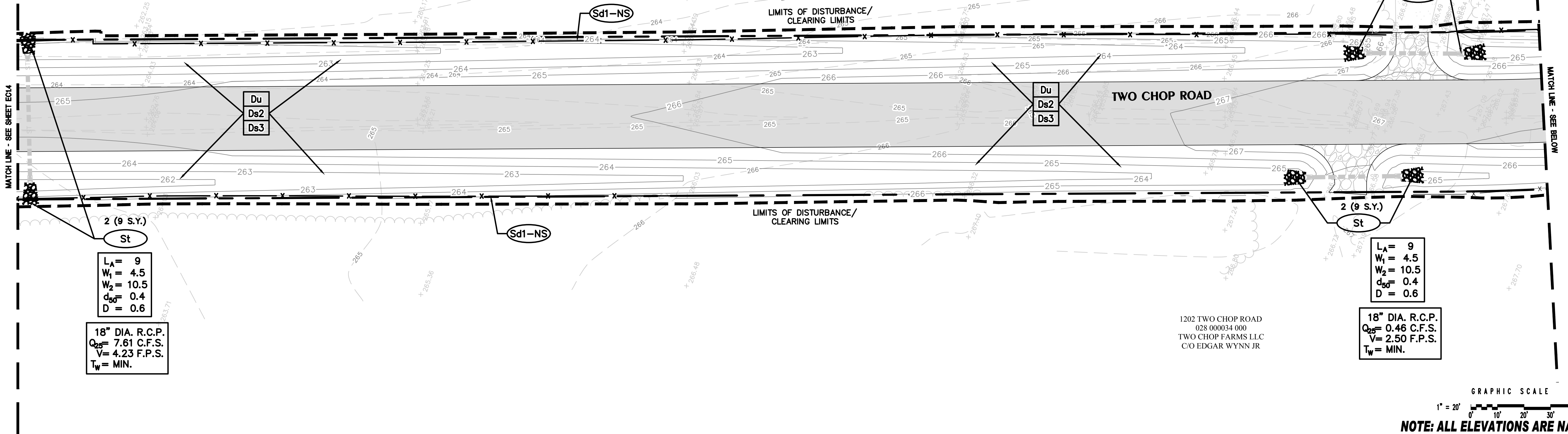
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

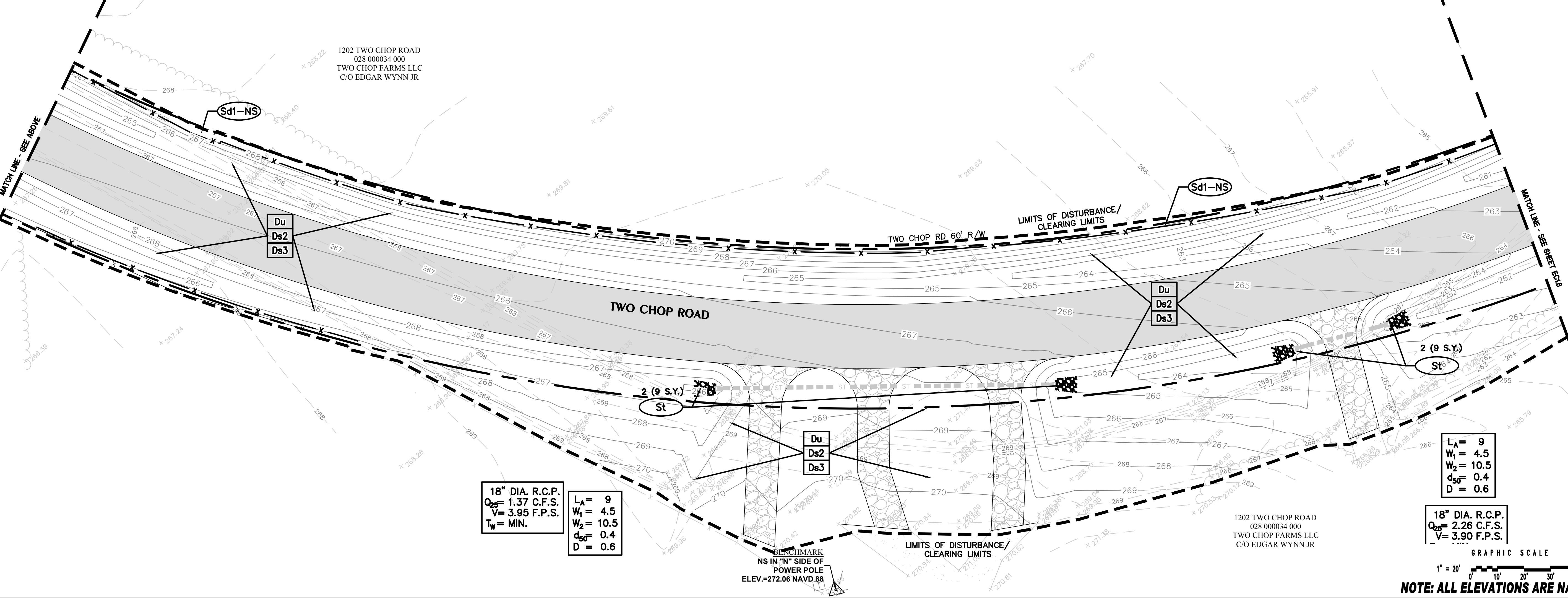
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EC2.4

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GRAPHIC SCALE
1" = 20'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'

NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

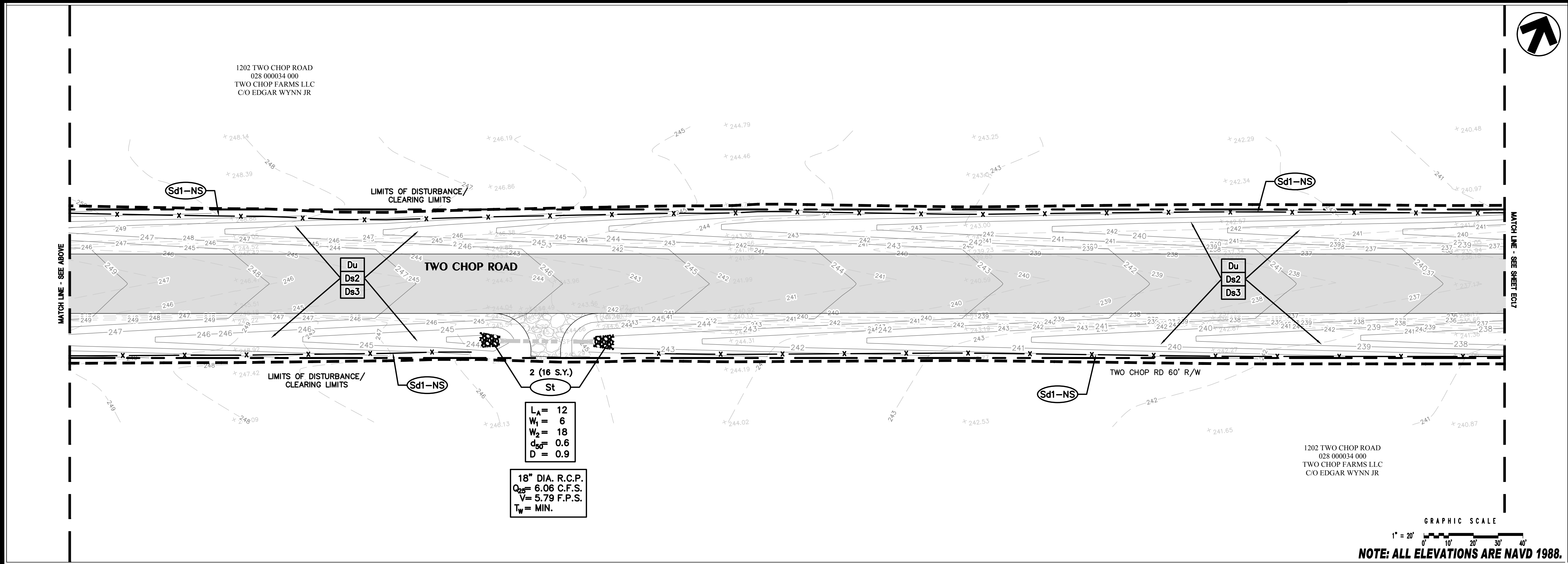
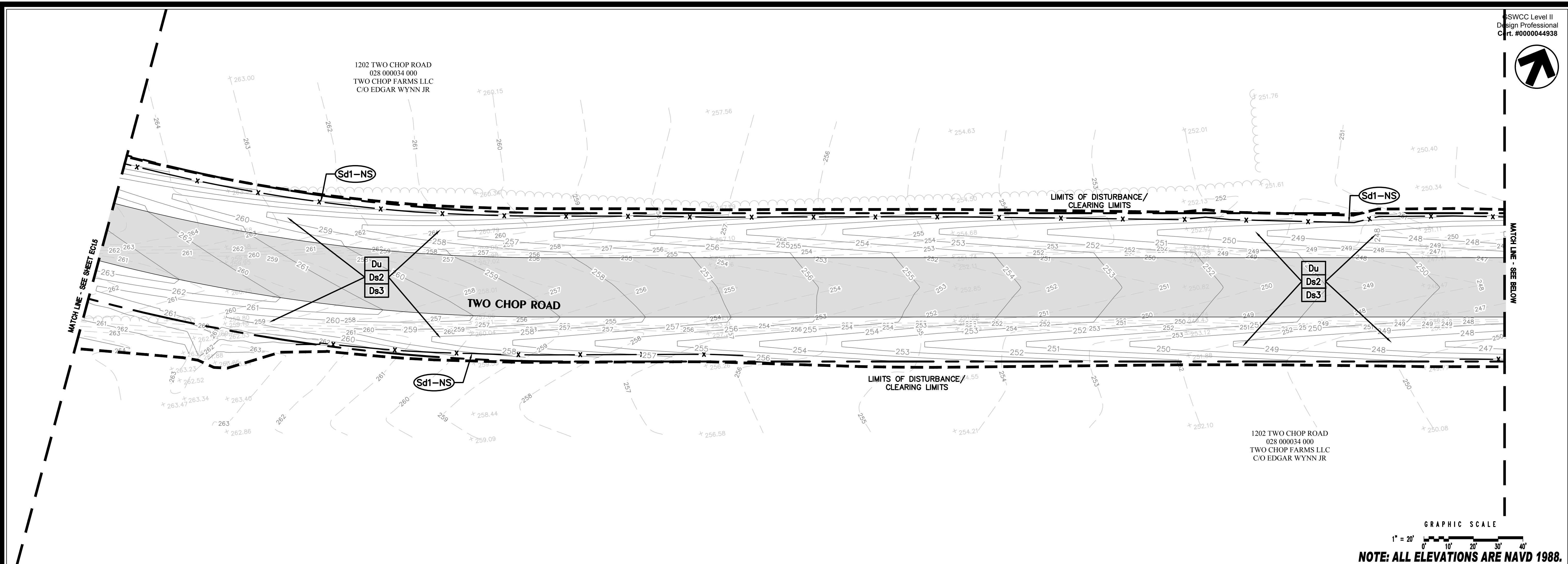
REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
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DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

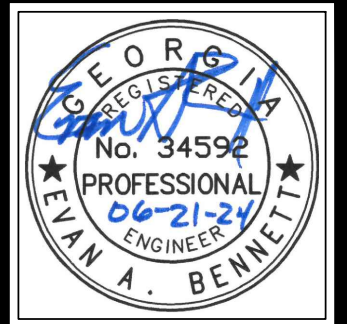
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.5



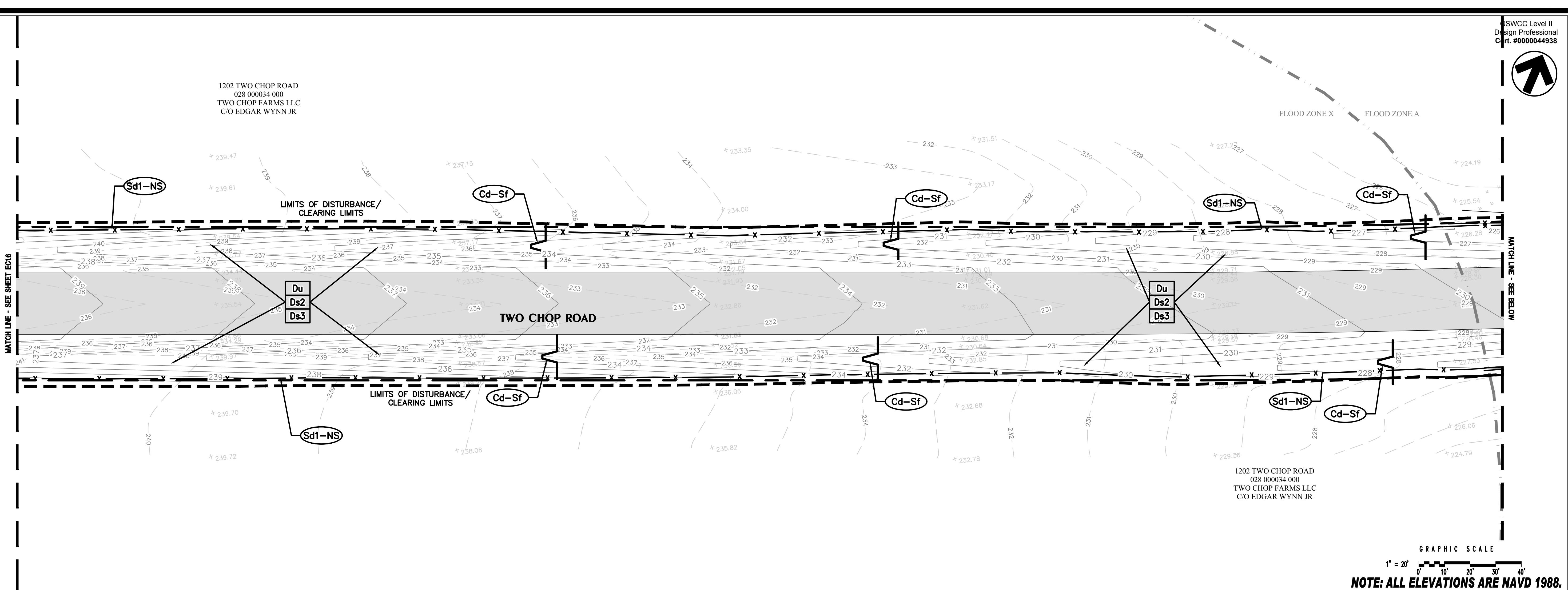
1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

SWCC Level II
Design Professional
Crt. #0000044938



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

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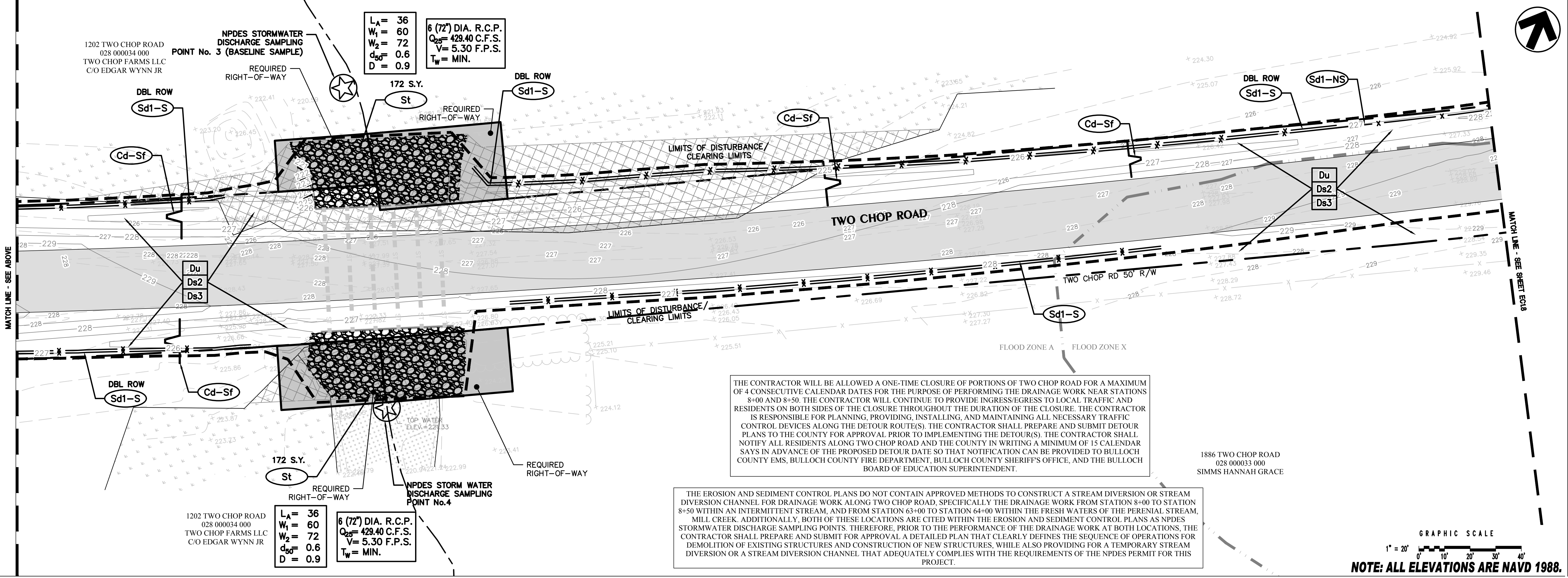


GRAPHIC SCALE
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NOTE: ALL ELEVATIONS ARE NAVD 1988.

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

NPDES STORMWATER
DISCHARGE SAMPLING
POINT No. 3 (BASELINE SAMPLE)

$L_A = 36$
 $W_1 = 60$
 $W_2 = 72$
 $d_{50} = 0.6$
 $D = 0.9$
 $6 (72") \text{ DIA. R.C.P.}$
 $Q_{25} = 429.40 \text{ C.F.S.}$
 $V = 5.30 \text{ F.P.S.}$
 $T_w = \text{MIN.}$



THE CONTRACTOR WILL BE ALLOWED A ONE-TIME CLOSURE OF PORTIONS OF TWO CHOP ROAD FOR A MAXIMUM OF 4 CONSECUTIVE CALENDAR DATES FOR THE PURPOSE OF PERFORMING THE DRAINAGE WORK NEAR STATIONS 8+00 AND 8+50. THE CONTRACTOR WILL CONTINUE TO PROVIDE INGRESS/EGRESS TO LOCAL TRAFFIC AND RESIDENTS ON BOTH SIDES OF THE CLOSURE THROUGHOUT THE DURATION OF THE CLOSURE. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING, PROVIDING, INSTALLING, AND MAINTAINING ALL NECESSARY TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT DETOUR PLANS TO THE COUNTY FOR APPROVAL PRIOR TO IMPLEMENTING THE DETOUR(S). THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ALONG TWO CHOP ROAD AND THE COUNTY IN WRITING A MINIMUM OF 15 CALENDAR DAYS IN ADVANCE OF THE PROPOSED DETOUR DATE SO THAT NOTIFICATION CAN BE PROVIDED TO BULLOCH COUNTY EMS, BULLOCH COUNTY FIRE DEPARTMENT, BULLOCH COUNTY SHERIFF'S OFFICE, AND THE BULLOCH BOARD OF EDUCATION SUPERINTENDENT.

THE EROSION AND SEDIMENT CONTROL PLANS DO NOT CONTAIN APPROVED METHODS TO CONSTRUCT A STREAM DIVERSION OR STREAM DIVERSION CHANNEL FOR DRAINAGE WORK ALONG TWO CHOP ROAD, SPECIFICALLY THE DRAINAGE WORK FROM STATION 8+00 TO STATION 8+50 WITHIN AN INTERMITTENT STREAM, AND FROM STATION 63+00 TO STATION 64+00 WITHIN THE FRESH WATERS OF THE PERENNIAL STREAM, MILL CREEK. ADDITIONALLY, BOTH OF THESE LOCATIONS ARE CITED WITHIN THE EROSION AND SEDIMENT CONTROL PLANS AS NPDES STORMWATER DISCHARGE SAMPLING POINTS. THEREFORE, PRIOR TO THE PERFORMANCE OF THE DRAINAGE WORK AT BOTH LOCATIONS, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A DETAILED PLAN THAT CLEARLY DEFINES THE SEQUENCE OF OPERATIONS FOR DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF NEW STRUCTURES, WHILE ALSO PROVIDING FOR A TEMPORARY STREAM DIVERSION OR A STREAM DIVERSION CHANNEL THAT ADEQUATELY COMPLIES WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR THIS PROJECT.

1886 TWO CHOP ROAD
028 000033 000
SIMMS HANNAH GRACE

1202 TWO CHOP ROAD
028 000034 000
TWO CHOP FARMS LLC
C/O EDGAR WYNN JR

$L_A = 36$
 $W_1 = 60$
 $W_2 = 72$
 $d_{50} = 0.6$
 $D = 0.9$
 $6 (72") \text{ DIA. R.C.P.}$
 $Q_{25} = 429.40 \text{ C.F.S.}$
 $V = 5.30 \text{ F.P.S.}$
 $T_w = \text{MIN.}$

GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.6

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

SWCC Level II
Design Professional
Ct. #0000044938



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

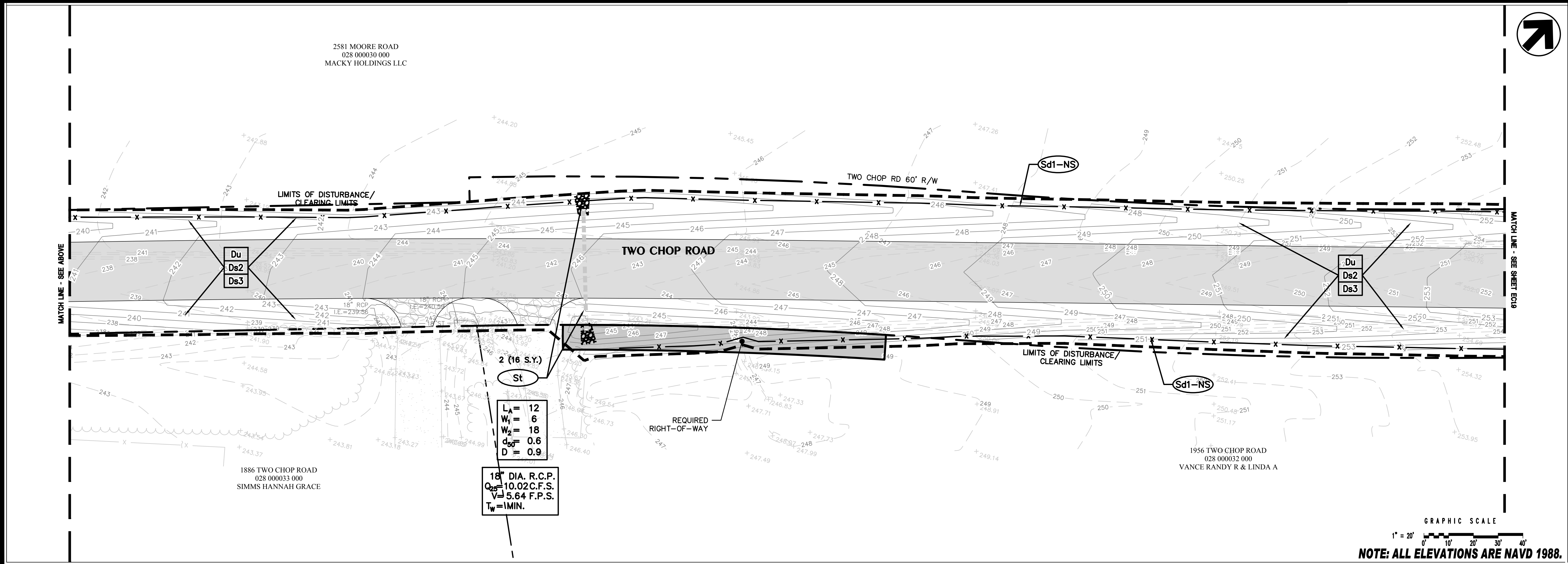
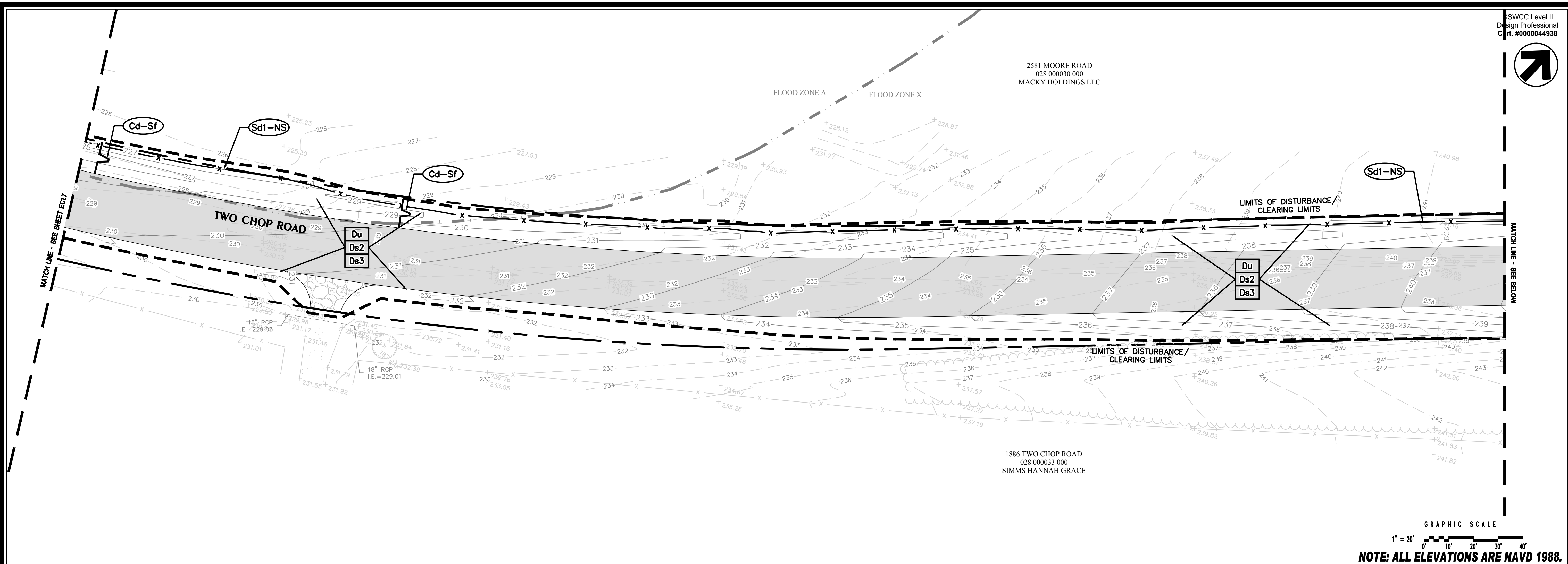
REVISIONS:

NO.	DATE	DESCRIPTION

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.7

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Design Professional
Cert. #0000044938



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

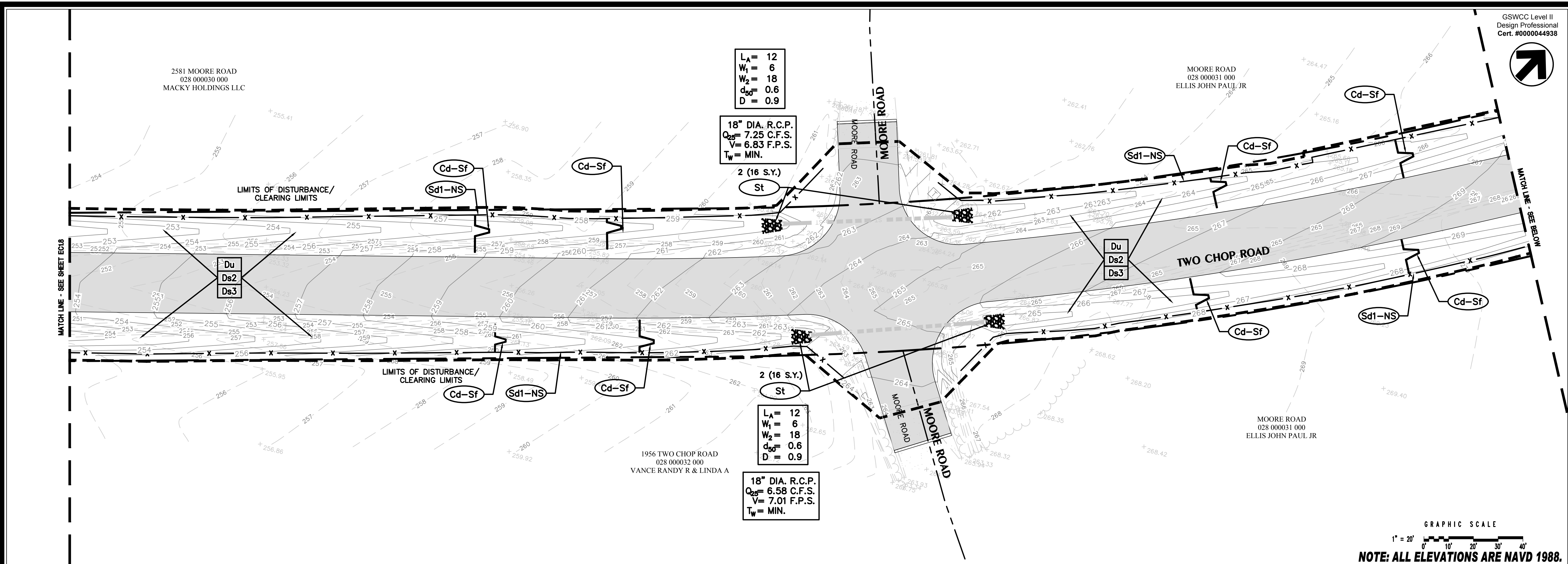
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

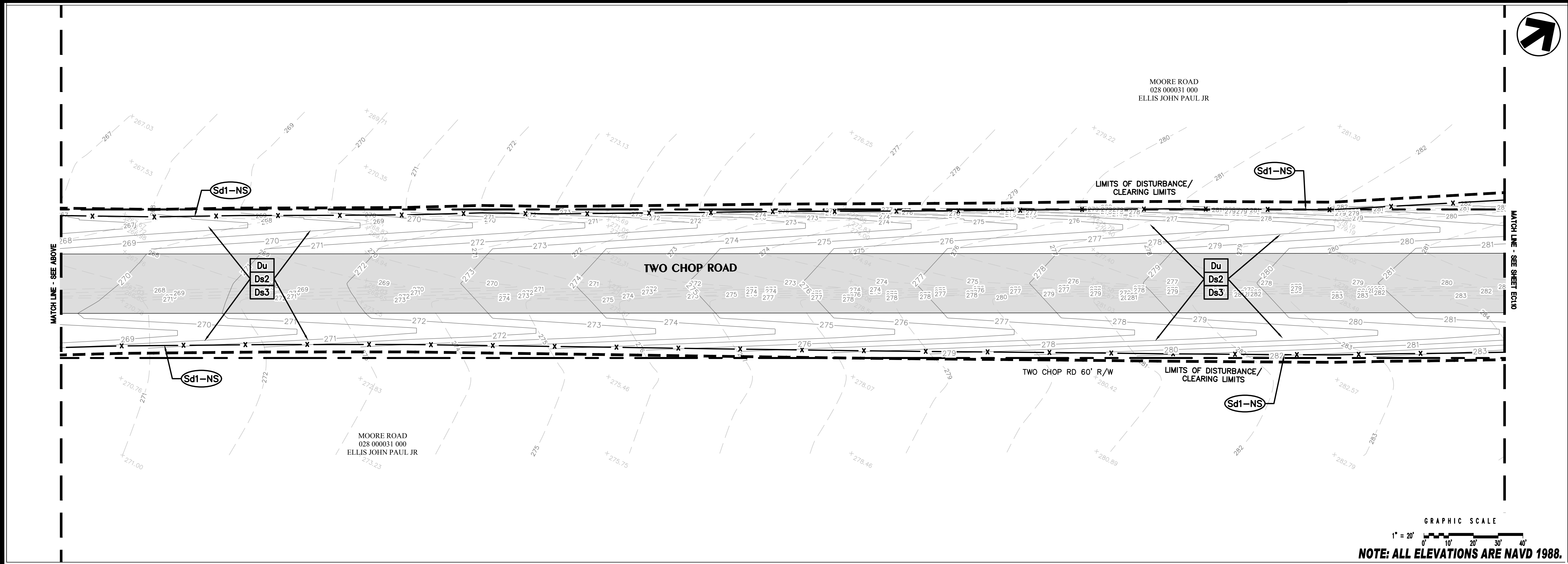
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
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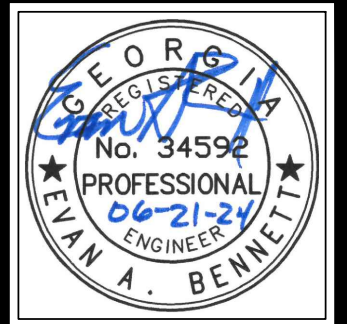


GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

SWCC Level II
Design Professional
Crt. #0000044938



HUSSEY GAY BELL
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329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

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M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

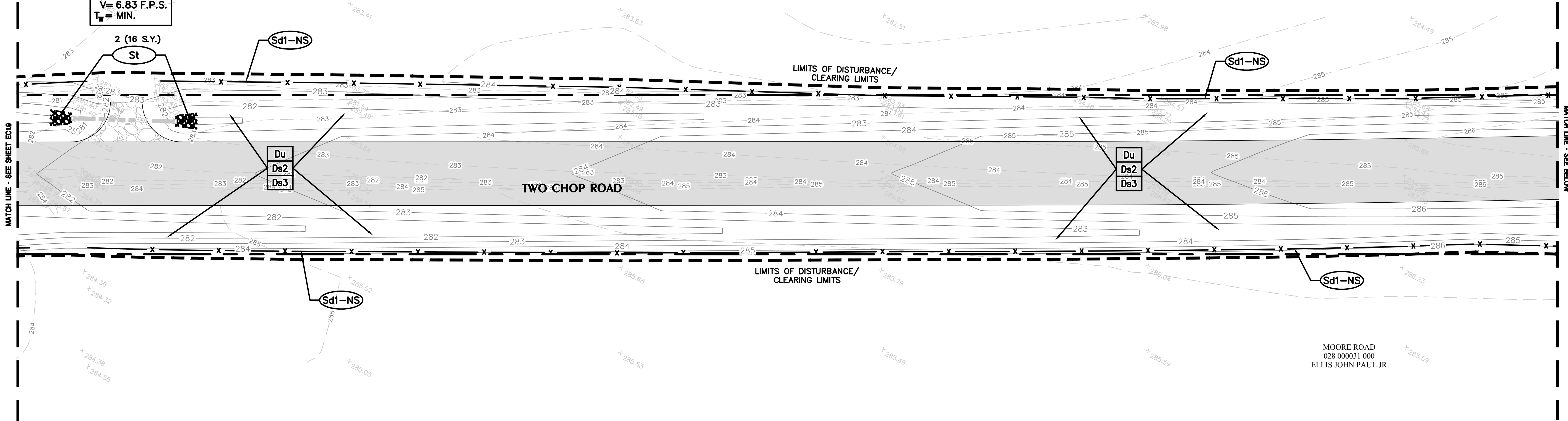
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EC2.9

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December 14, 2018 - 8:56 AM Printed By: apalge

$L_A = 12$
 $W_1 = 6$
 $W_2 = 18$
 $d_{50} = 0.6$
 $D = 0.9$

18" DIA. R.C.P.
 $Q_{25} = 7.25$ C.F.S.
 $V = 6.83$ F.P.S.
 $T_w = \text{MIN.}$

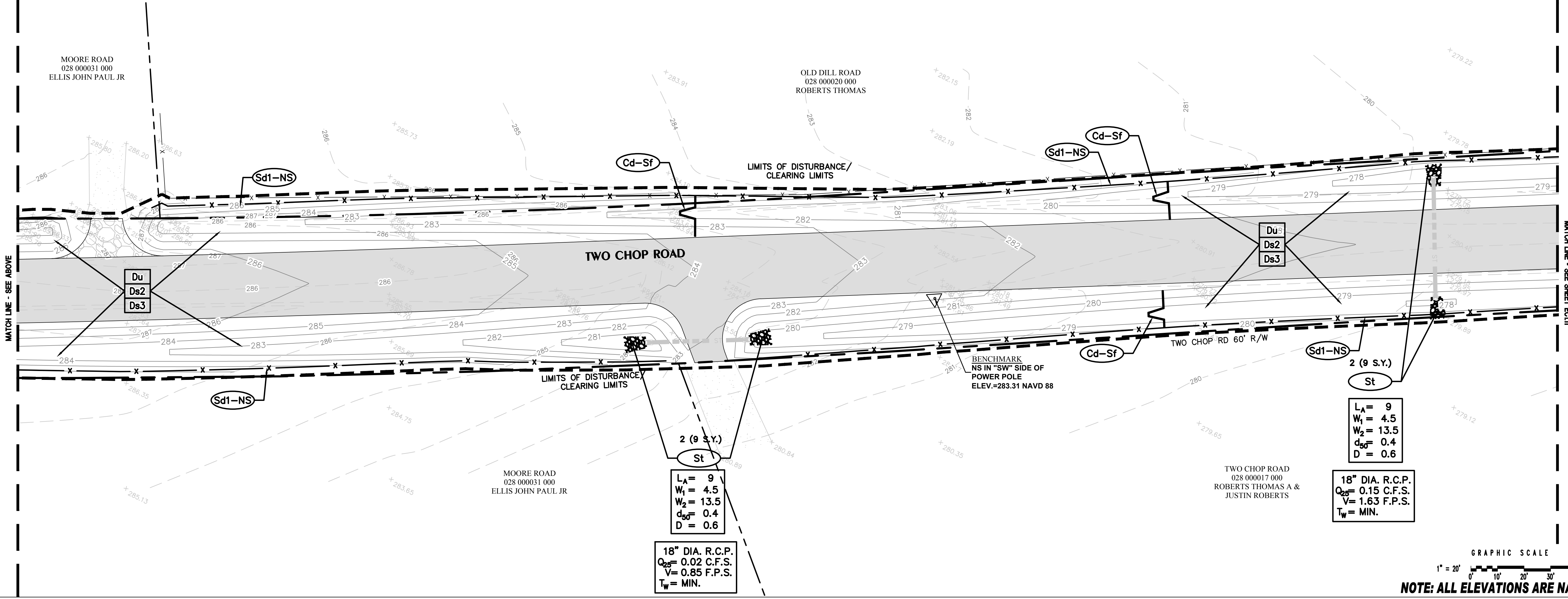
MOORE ROAD
028 000031 000
ELLIS JOHN PAUL JR.



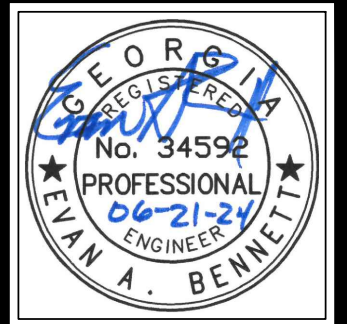
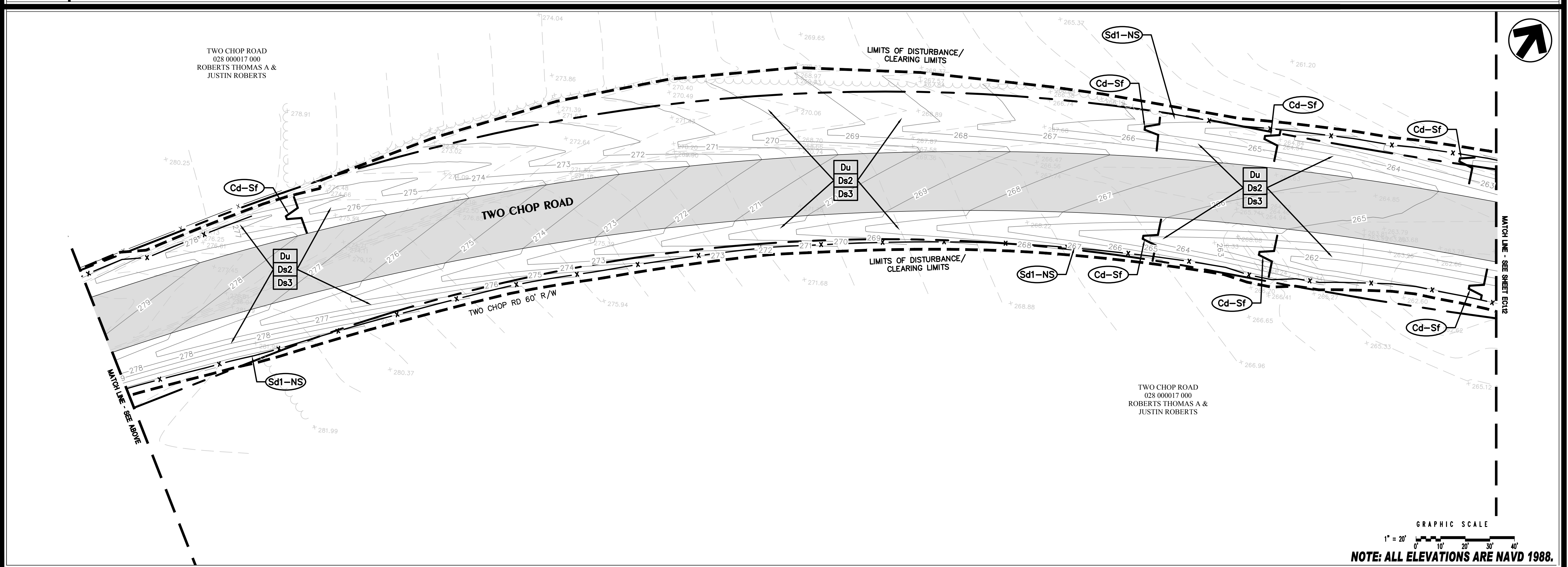
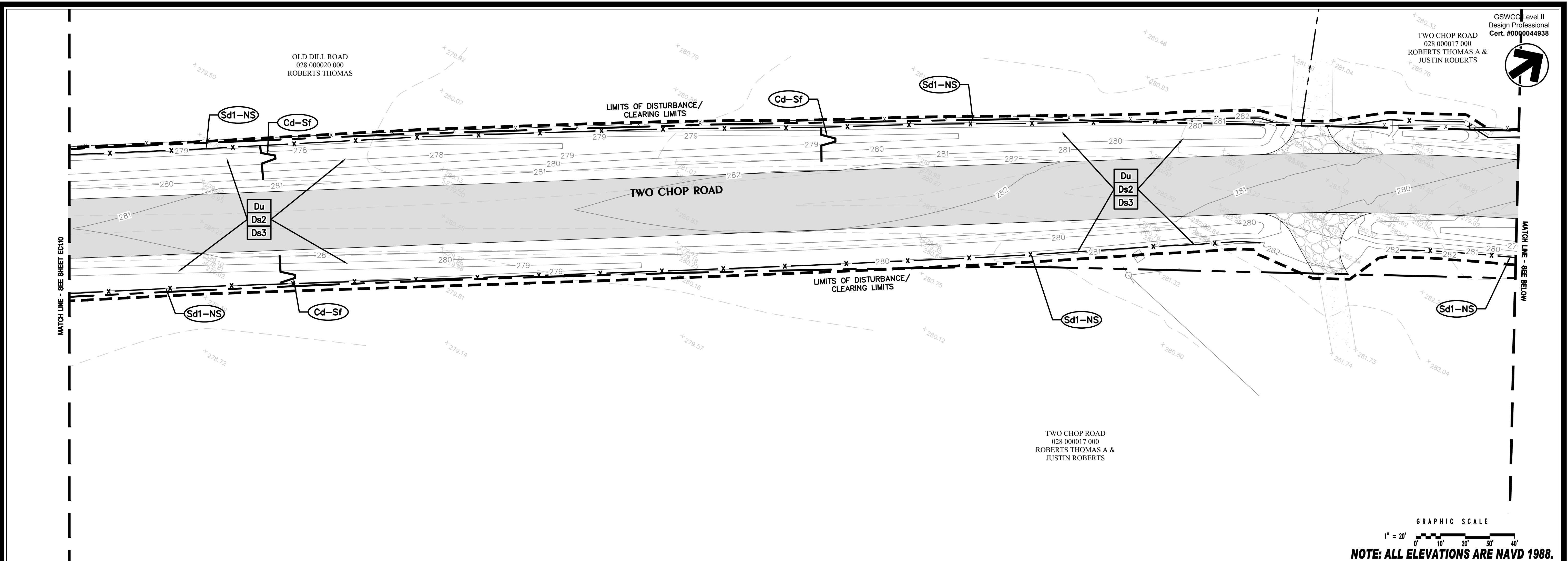
GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.

MOORE ROAD
028 000031 000
ELLIS JOHN PAUL JR.

OLD DILL ROAD
028 000020 000
ROBERTS THOMAS



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958

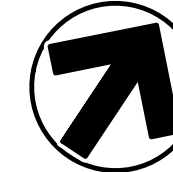
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.10



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

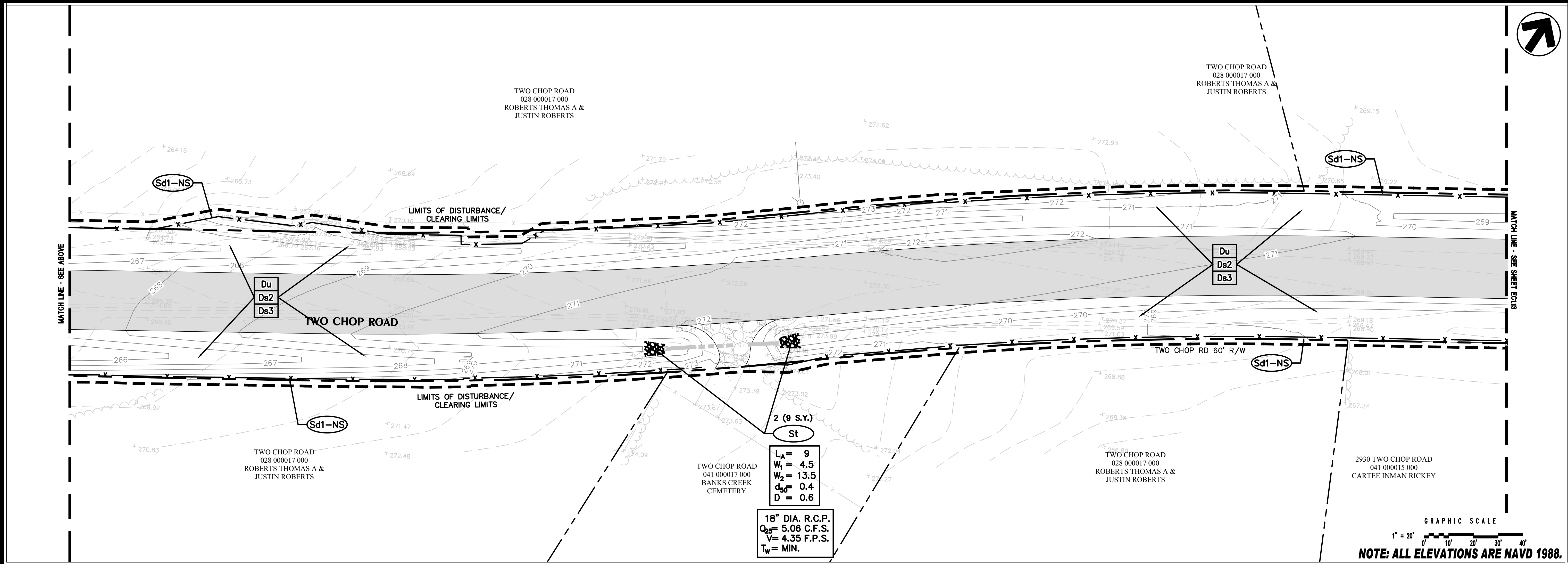
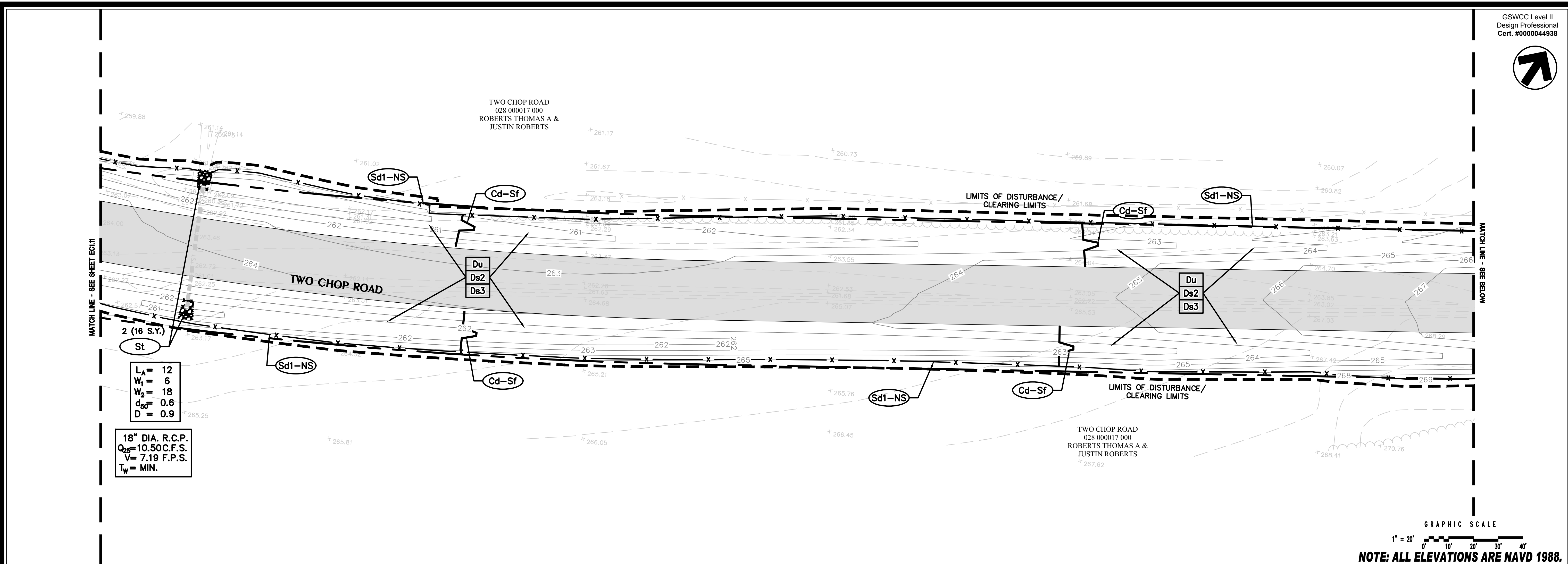
REVISIONS:

NO.	DATE	DESCRIPTION

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.11

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Design Professional
Ct. #0000044938



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

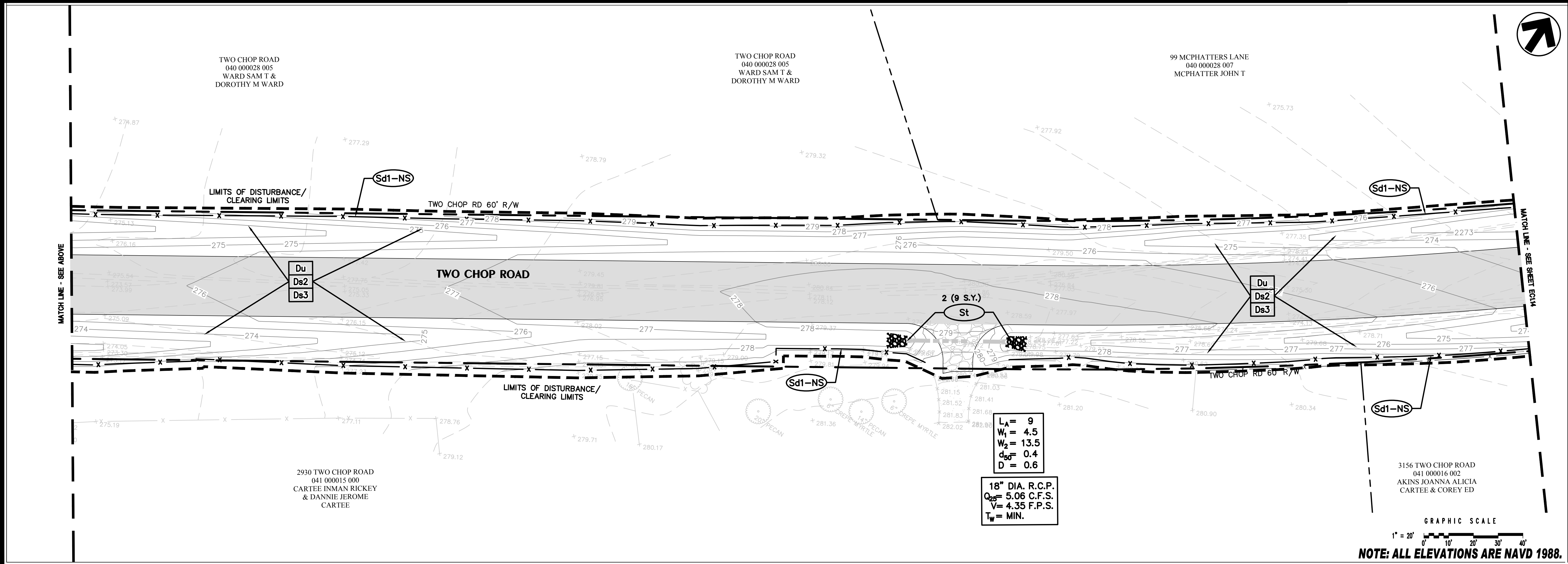
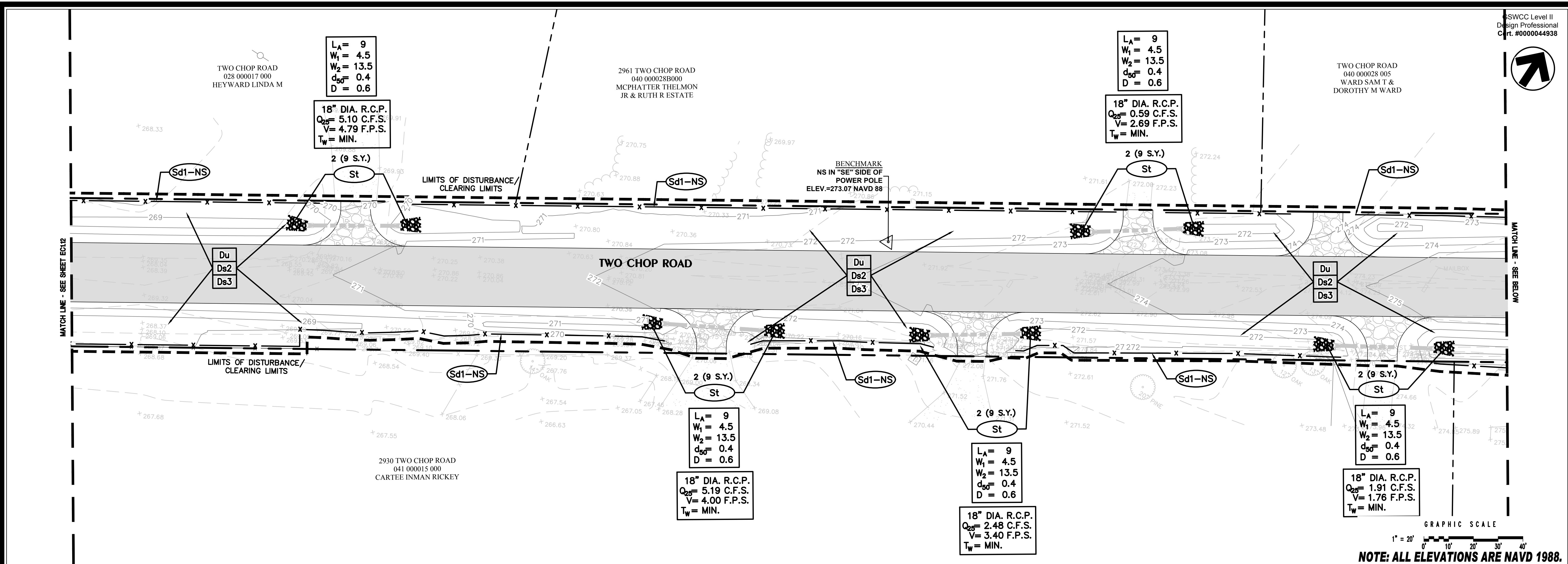
NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.12

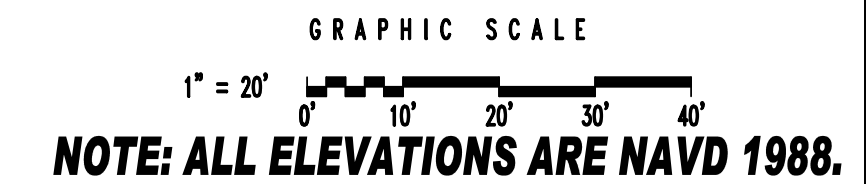
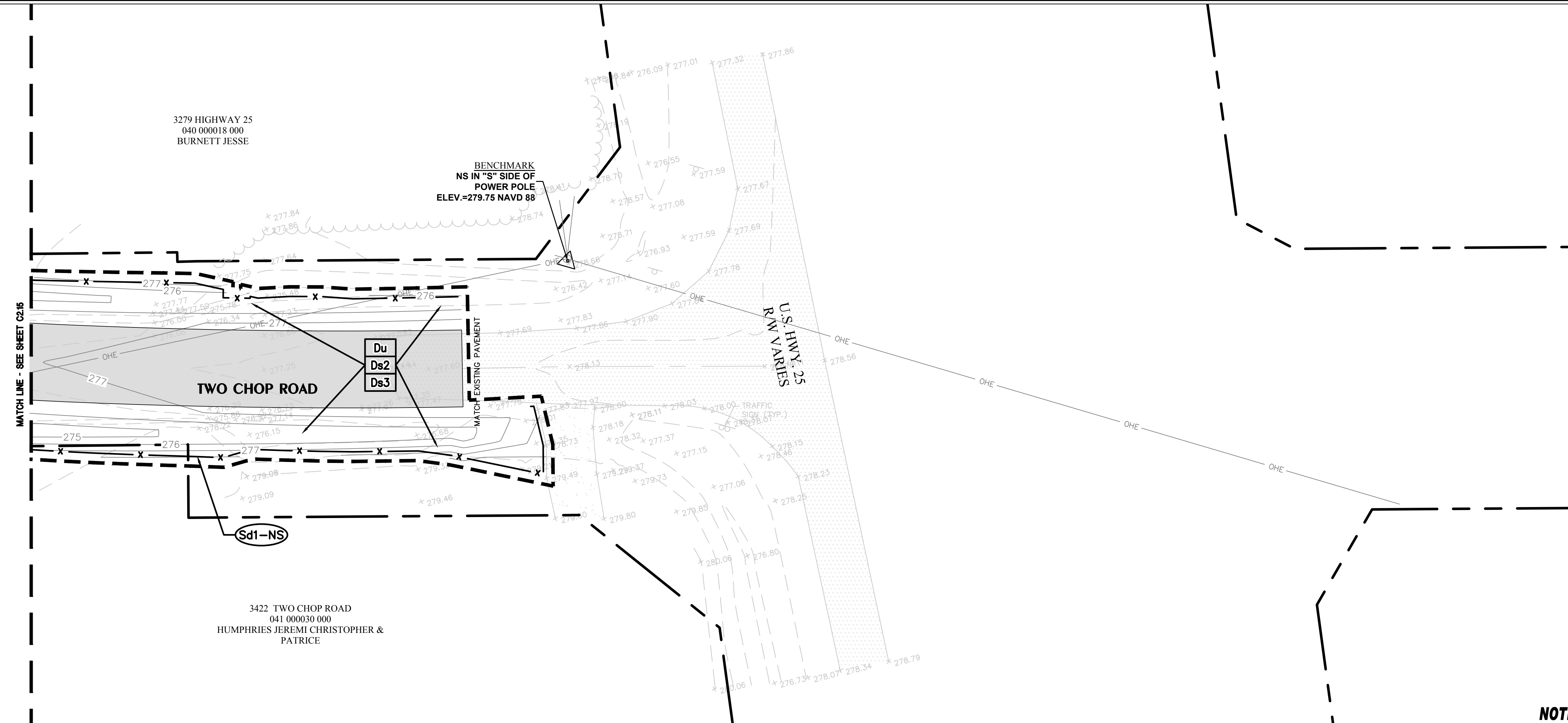
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Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

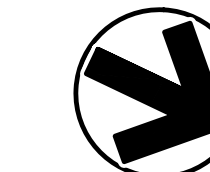
DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: 1" = 20'

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.15

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Design Professional
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HUSSEY GAY BELL
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329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

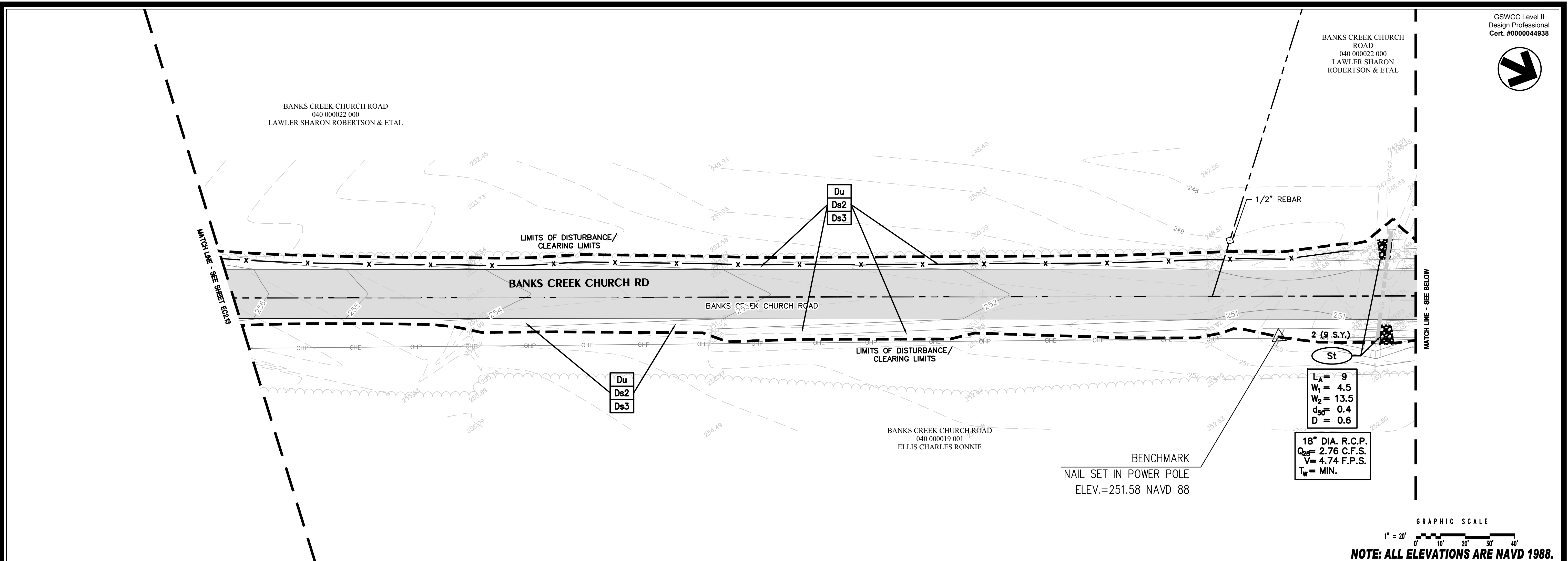
REVISIONS:

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

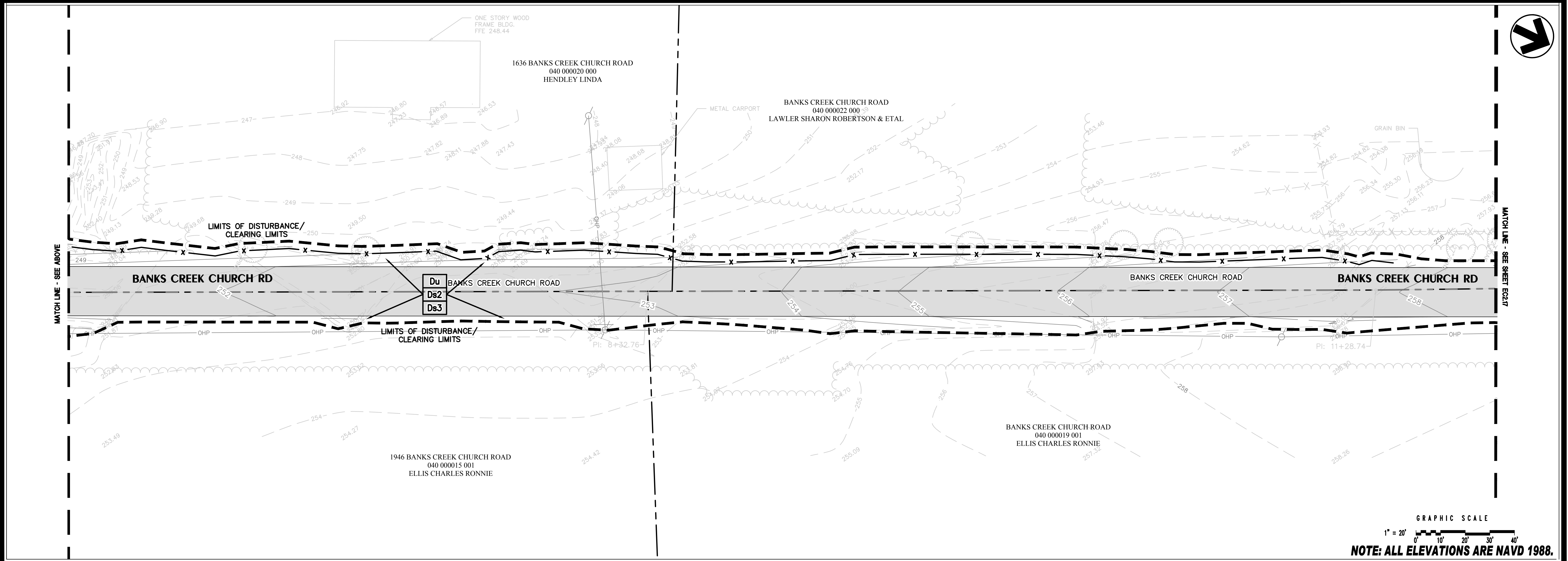
TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.16

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GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



GRAPHIC SCALE
1" = 20'
NOTE: ALL ELEVATIONS ARE NAVD 1988.



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

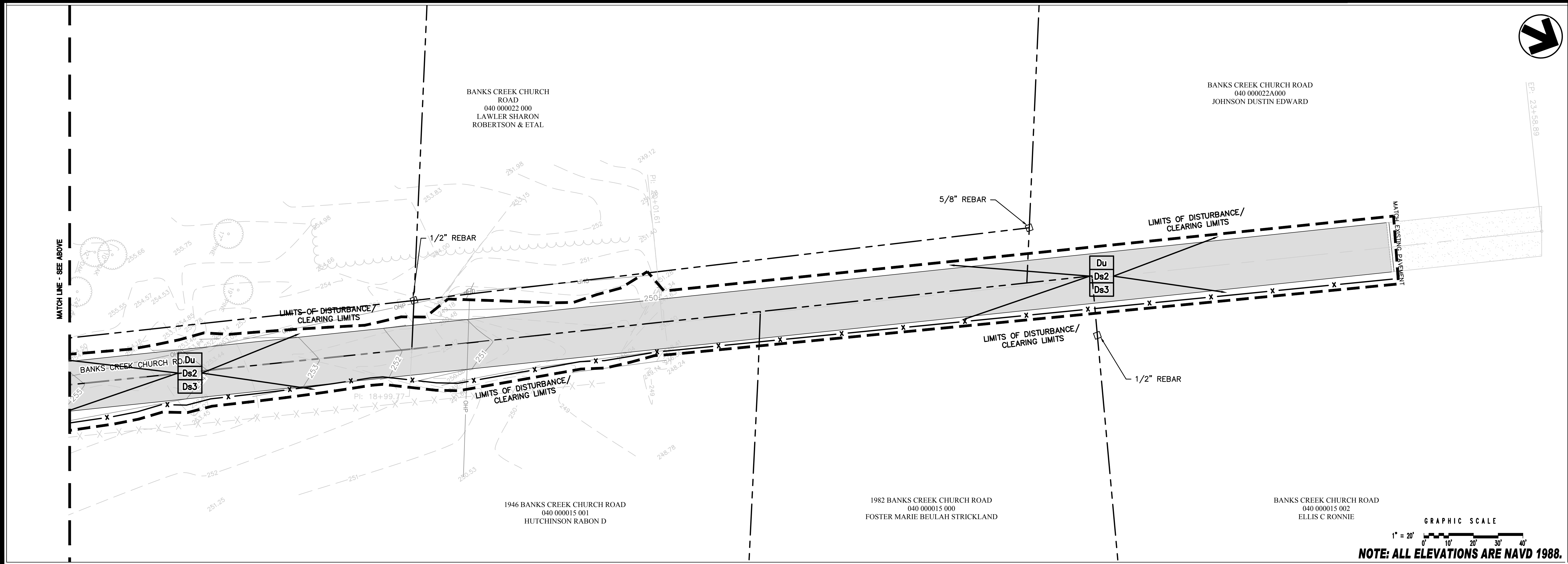
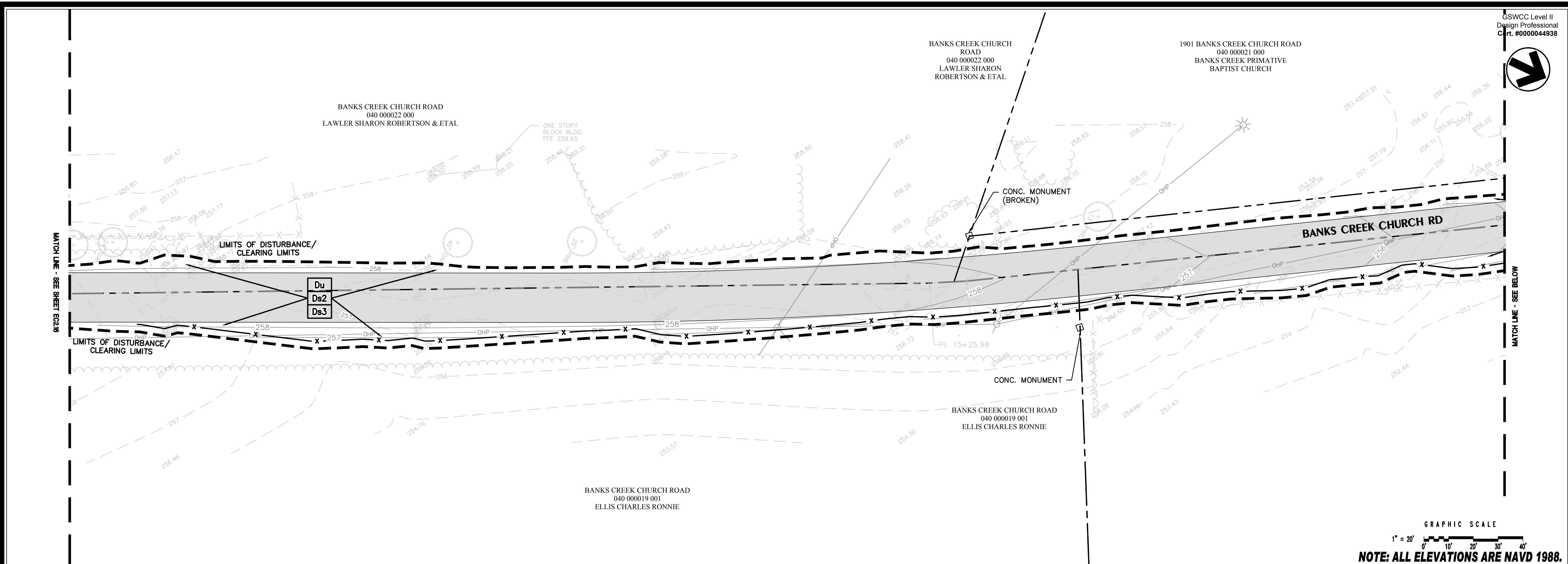
REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: 1" = 20'		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL PLAN - FINAL PHASE

DRAWING NUMBER
EC2.17





HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.
DATE: JUNE 21, 2024		
JOB NO. 122148117		
SCALE: N.T.S.		

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NUMBER
EC3.1

Cd-Sf

GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 0%	100' ±
0% TO 3%	75' ±
3% TO 6%	50' ±
6% TO 8%	25' ±

NOTES:

- FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
- FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
- FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 16-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
- THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
 - DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
 - CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
 - LAYOUT TURF REINFORCEMENT MATTING (TRM, TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
 - INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
 - PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
 - INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED, HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
- TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS TEMPORARY SILT FENCE FABRIC CHECK DAM	
NO SCALE REV. AND REDRAWN, JULY 2015	
NUMBER	D-24D
SHEET	4 OF 4

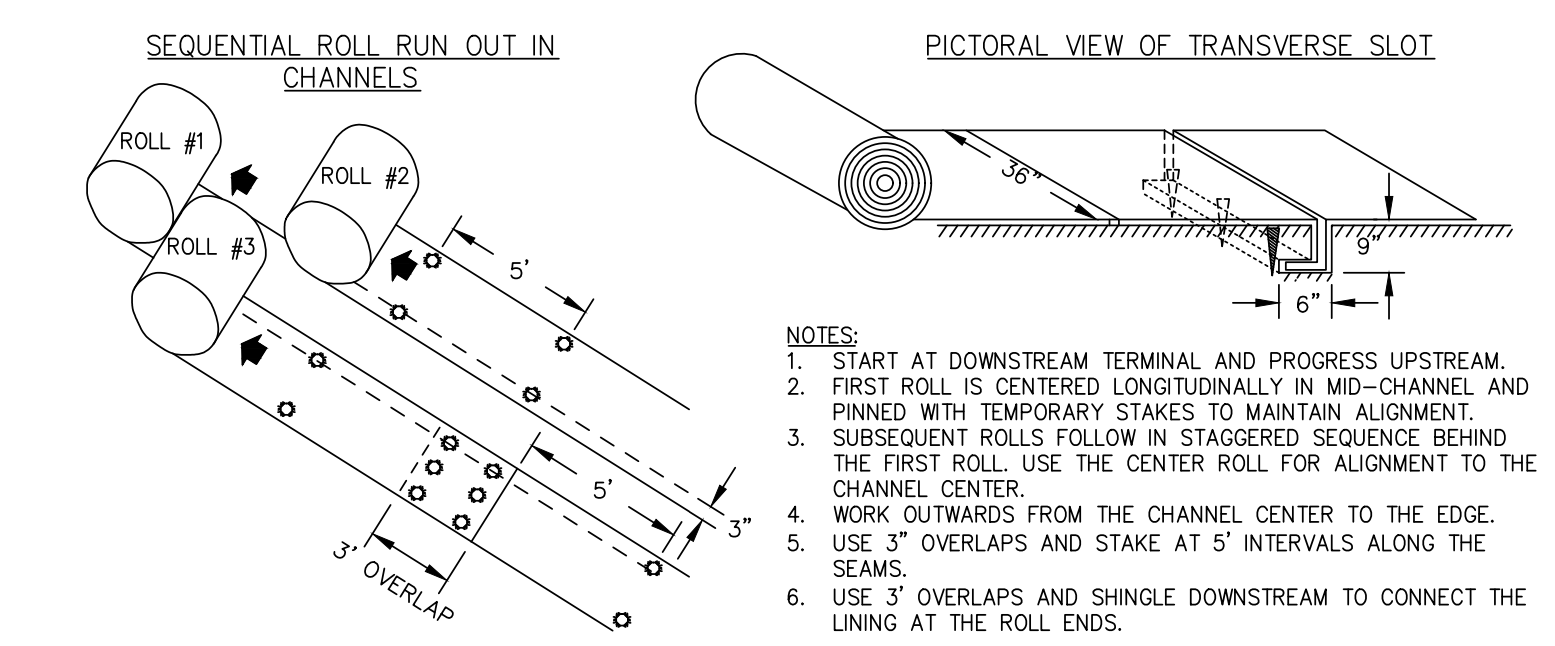
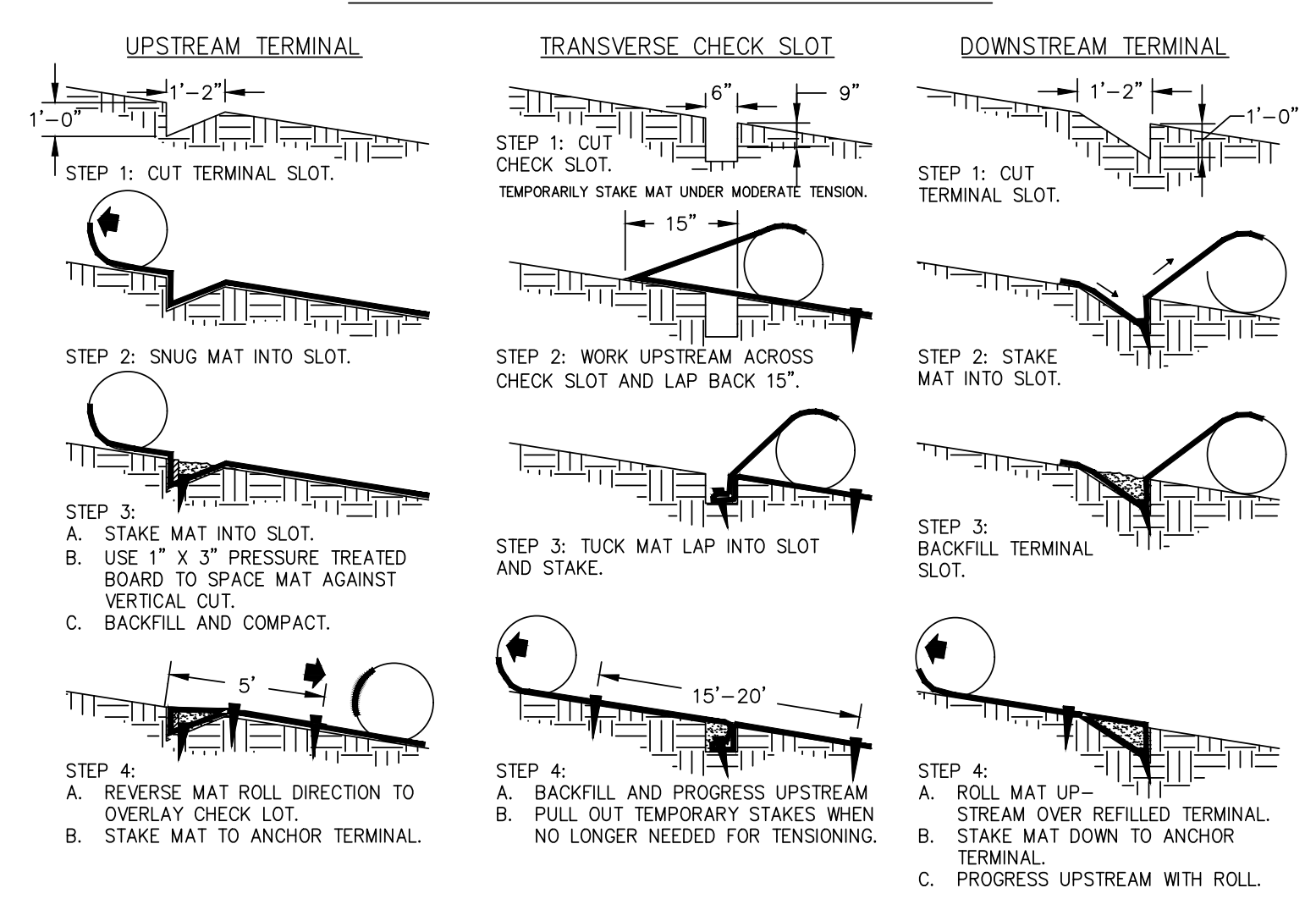
SPRAY ON ADHESIVE REQUIREMENTS

ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL./AC.)
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

- NOTES:**
- TEMPORARY METHODS
 - MULCHES (Dst) - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD Td-TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOL OR TERRATAK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - VEGETATIVE COVER - DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING.
 - SPRAY ON ADHESIVES - THESE ARE USED ON MINERAL SOILS (NON EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO TACKIFIERS AND BINDERS.
 - TILLAGE - THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
 - IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.
 - BARRIERS - SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, GRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
 - CALCIUM CHLORIDE - APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
 - PERMANENT METHODS
 - PERMANENT VEGETATION - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
 - TOPSOLLING - THIS ENTAILS COVERING THE SURFACE WITH LESS ERODIBLE SOIL MATERIAL.
 - STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

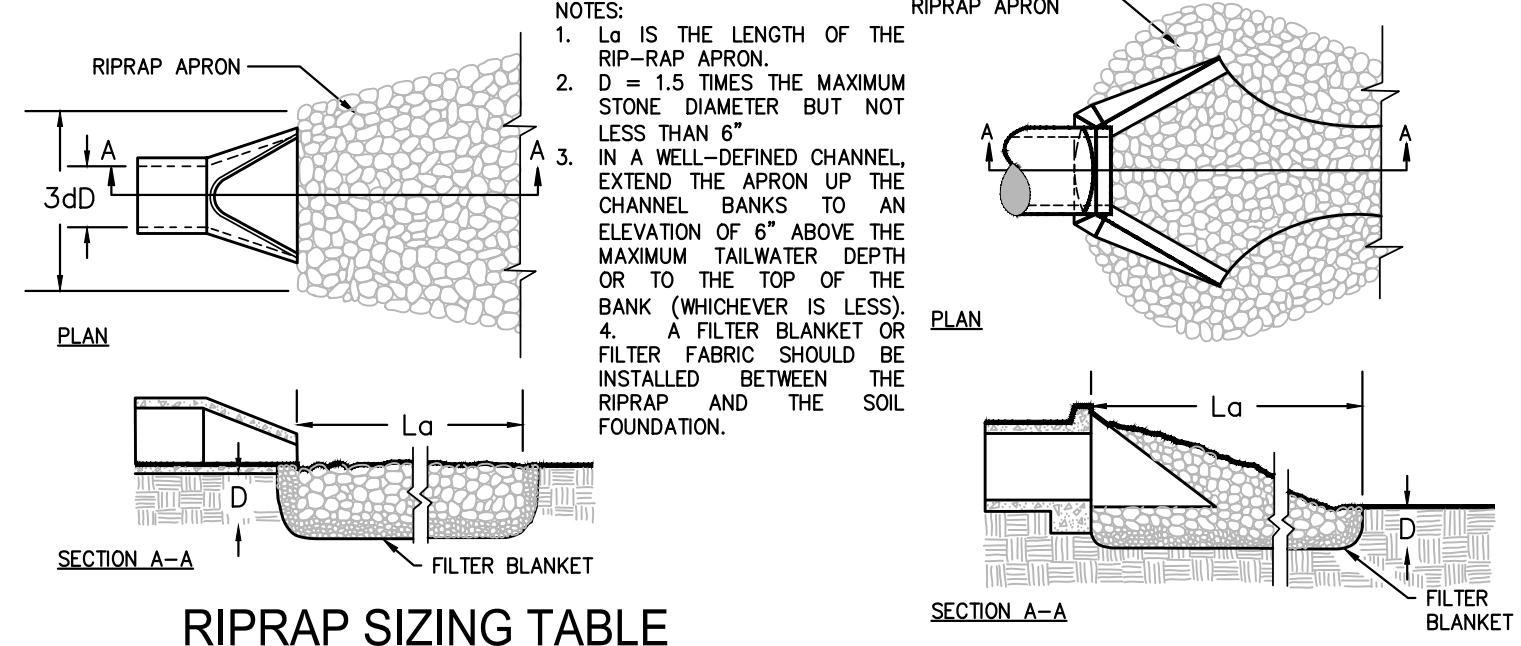
DUST CONTROL ON DISTURBED AREAS Du

BLANKET AND MATTING CROSS-SECTIONS



TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP) Ss

PIPE OUTLET TO FLAT AREA - NO WELL DEFINED CHANNEL **PIPE OUTLET TO WELL DEFINED CHANNEL**



RIPRAP SIZING TABLE
RIPRAP OUTLET PROTECTION St

N.T.S.

Ds1

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.

- CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.
- APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH

- STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN UPRIGHT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION 3. TACKIFIERS AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
- POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

DEFINITION
APPLYING PLANT RESIDUES OR OTHER SUITABLE MATERIALS, PRODUCED ON THE SITE IF POSSIBLE, TO THE SOIL SURFACE.

CONDITIONS
MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGLE EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED.

SPECIFICATIONS
MULCHING WITHOUT SEEDING
THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDING MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH A MULCH COVER.

SITE PREPARATION

- GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
- INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.
- LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS
SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:

- DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
- WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
- CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 1 GALLON PER SQ. YD.).
- POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND REUSED.

APPLYING MULCH
WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.

- DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
- IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL

Ds2

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

CONSIDERED FOR SHORT TERM PROTECTION. REFER TO Ds1-DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IRRIGATION
DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

DEFINITION
THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENuded AREAS.

CONDITIONS
TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE AS COMPANION CROPS UNTIL THE PERMANENT VEGETATION IS ESTABLISHED.

SPECIFICATIONS
GRADING AND SHAPING
EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

SEEDBED PREPARATION
WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

LIME AND FERTILIZER
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED ON REASONABLY FERTILE SOILS OR SOIL MATERIAL. FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 SQ.FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

SEEDING
SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLATING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEED BY HAND.

MULCHING
TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE PER 1,000 SQ.FT.	RATE PER ACRE *	PLANTING DATES **
RYE	3.9 pounds	3.9 bu.	9/1-3/1
RYEGRASS	0.9 pounds	0.9 lbs.	8/15-4/1
ANNUAL LESPEDEZA	0.9 pounds	0.9 lbs.	1/15-3/15
WEEPING LOVEGRASS	0.1 pounds	0.1 lbs.	2/15-6/15
SUDANGRASS	1.4 pounds	1.4 lbs.	3/1-8/1
BROWNTOP MILLET	0.9 pounds	0.9 lbs.	4/1-7/15
WHEAT	4.1 pounds	3 bu.	9/15-2/1

* UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES
** SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS.

Ds3

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

DEFINITION
THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION.

CONDITIONS
PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENuded AREAS.

SPECIFICATIONS
GRADING AND SHAPING
GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.

WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION.

CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

SEEDBED PREPARATION
SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATIONS WILL BE DONE AS FOLLOWS:

BROADCAST PLANTING

- TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEE, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OF HAY MULCH IF A DISK IS TO BE USED.
- TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
- TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.
- ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE.

INDIVIDUAL PLANTS

- WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.
- FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
- WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

PLANTING

HYDRAULIC SEEDING
MIX THE SEED (INNOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.

CONVENTIONAL SEEDING
SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTIPACKER SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.

NO-TILL SEEDING
NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MAY BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

INDIVIDUAL PLANTS
SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE. TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING
MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:

- DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
- WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRYSTRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
- ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4 :1 OR STEEPER.
- SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS PER ACRE.
- PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
- BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN APPLIED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

APPLYING MULCH

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.

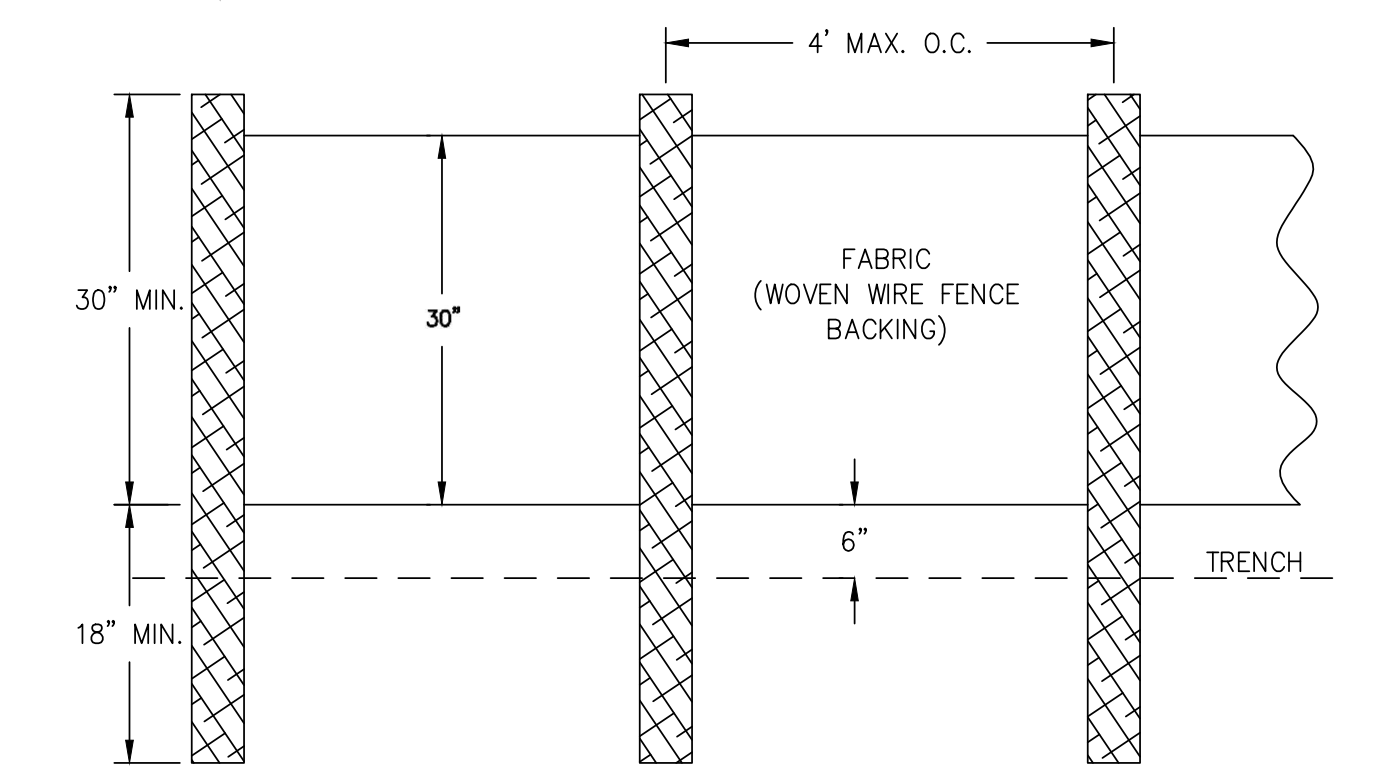
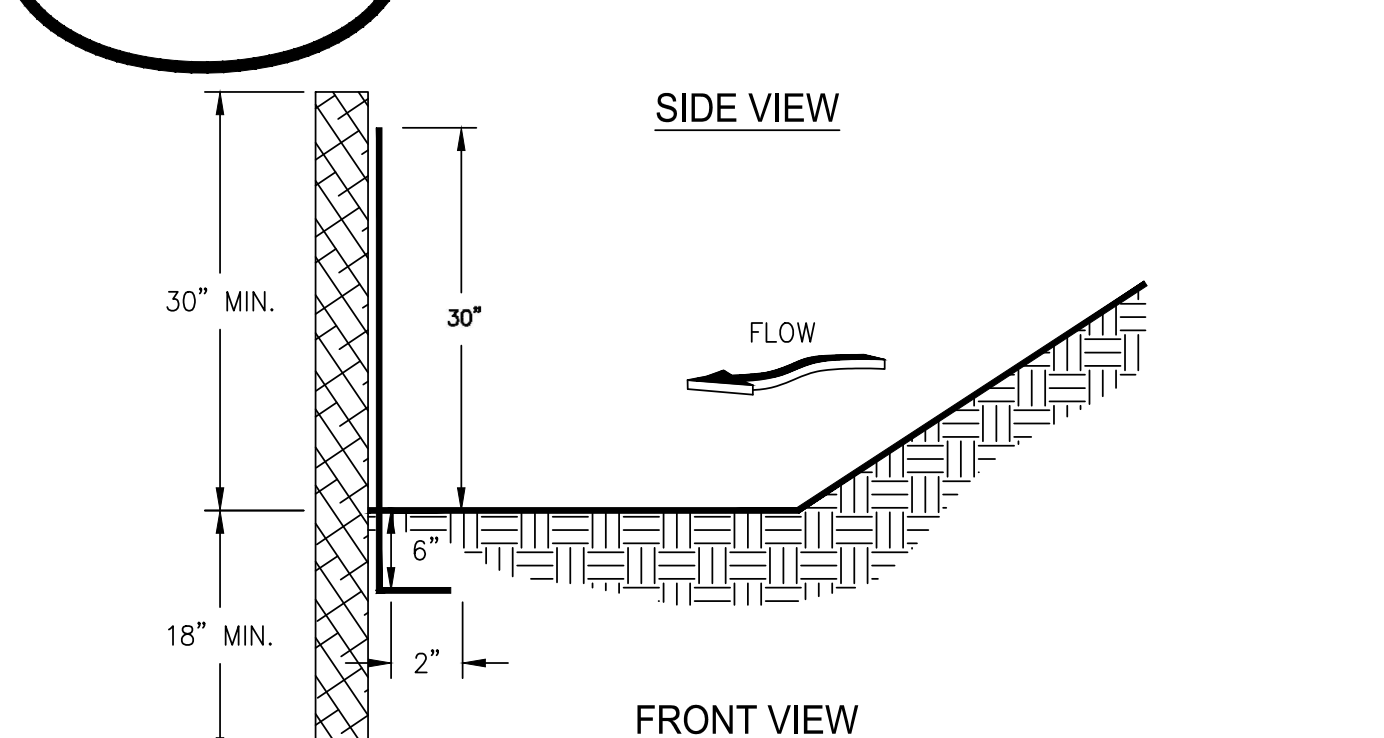
WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

ANCHORING MULCH
ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:

- EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT. THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF WATER PER TON OF MULCH.
- CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT PROPERTY, PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT DISCOLORATION.
- HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN UPRIGHT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.
- SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO Td-TACKIFIERS AND BINDERS.
- 4.RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE HALF BUSHEL PER ACRE.
- PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

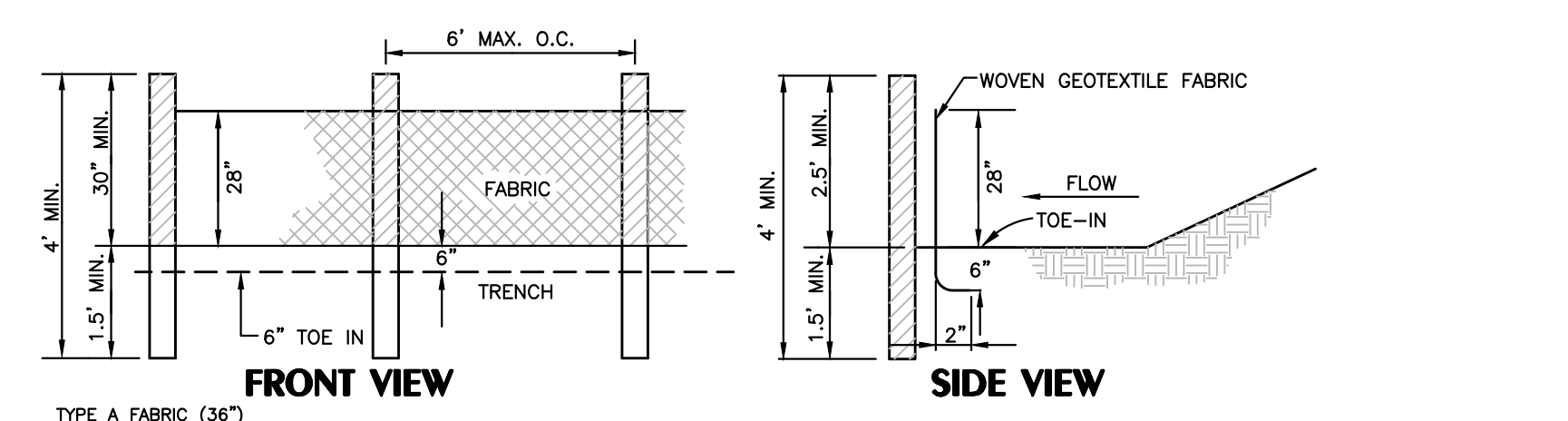
IRRIGATION
IRRIGATION SHALL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

Sd1-S SILT FENCE - TYPE SENSITIVE



NOTES:

- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
- HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.



TYPE A FABRIC (36")

USE:

- ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN OR EQUAL TO 6 MONTHS.
- WHERE THE SLOPE GRADIENT IS STEEPER THAN 3:1.

POST SIZE			FASTENERS FOR WOOD (WIRE STAPLES)			
MIN. LENGTH	TYPE OF POST	SIZE OF POST	GAUGE	CROWN	LEGS	STAPLES/POST
4'	SOFT WOOD	3" DIA. OR 2X4	17 MIN	3/4" WIDE	1/2" LONG	5 MIN
4'	DAK	1.5"x1.5"	FASTENERS FOR WOOD POST (NAILS)			
4'	STEEL	1.3 1/8" DIA. MIN.	14 MIN	LENGTH	3/4"	4 MIN

NOTE: FILTER FABRIC MAY ALSO BE ATTACHED TO THE POST BY WIRE, CORD, AND POCKETS.

TENSILE STRENGTH (LBS. MIN.) (1)	ELONGATION (MAX.) (ASTM D-4632)	AOS (APPARENT OPENING SIZE) (MAX. SEIVE SIZE) (ASTM D-4751)	FLOW RATE (GAL./MIN./50 FT.) (GDT-87)	ULTRAVIOLET STABILITY (2) (ASTM D-4632 AFTER 500 HOURS WEATHERING IN ACCORDANCE WITH ASTM D-4355)	BURSTING STRENGTH (PSI MIN.) (ASTM D-3786 DIAHRM BURSTING STRENGTH TESTER)	FABRIC WIDTH (INCHES)
WARP-120 FILL-100	40	#30	25	80	175	36

(1) MIN. ROLL AVERAGE OF FIVE SPECIMENS.
(2) PERCENT OF REQUIRED INITIAL MIN. TENSILE STRENGTH.

SILT FENCE-NON SENSITIVE Sd1-NS



HUSSEY GAY BELL
Established 1958
329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 / T: 912.354.4626

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED	DRAWN	CHECKED
M.D.R.	J.J.M.	E.A.B.

DATE: JUNE 21, 2024
JOB NO. 122148117
SCALE: N.T.S.

TWO CHOP ROAD PAVING
ROCKY FORD ROAD TO U.S. HIGHWAY 25
BULLOCH COUNTY, GEORGIA
FOR
BULLOCH COUNTY BOARD OF COMMISSIONERS
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING NUMBER
EC3.2