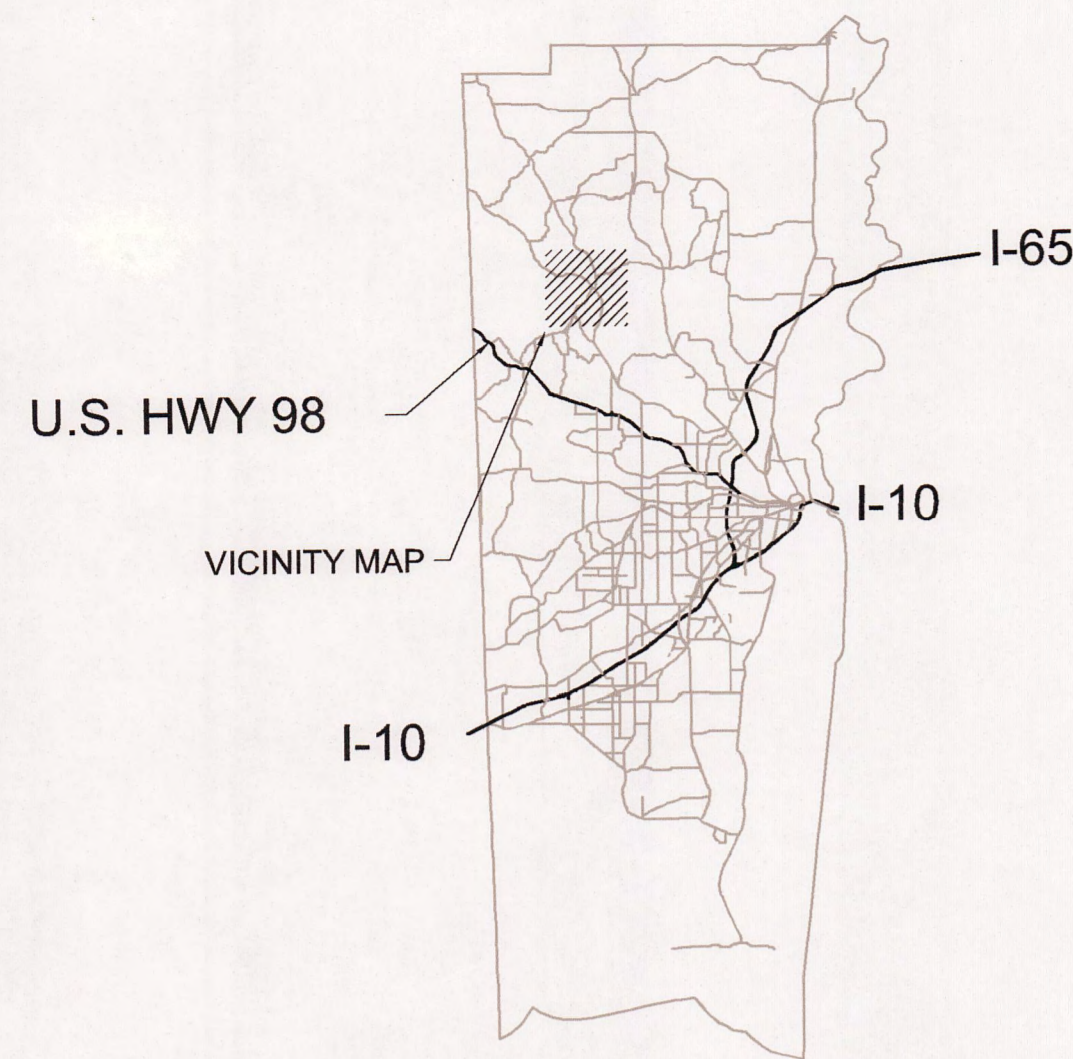


MOBILE COUNTY, ALABAMA

PAY-AS-YOU-GO-PROGRAM PROJECT NO. MCR-2018-204

MCDAVID ROAD GRADE DRAIN BASE AND PAVE



MOBILE COUNTY, AL
N.T.S.

INDEX OF DRAWINGS

SHEET #	TITLE
SHEET C01	COVER SHEET
SHEET C02	LEGEND AND NOTES
SHEET C03	DETAILS
SHEET C04	TYPICAL SECTIONS
SHEET C05	SUMMARY OF QUANTITIES
SHEET C06-C10	MCDAVID ROAD PLAN AND PROFILE SHEETS
SHEET C11	MCDAVID ROAD OUTFALL NEAR STA. 24+50 PLAN AND PROFILE SHEET
SHEET C12-C18	MCDAVID ROAD CROSS SECTIONS
SHEET C19-C20	MCDAVID ROAD EROSION CONTROL PLAN
SHEET C21	MASON FERRY ROAD PLAN AND PROFILE SHEET
SHEET C22	MASON FERRY ROAD CROSS SECTIONS
SHEET C23	TRAFFIC CONTROL PLAN
SHEET C24	TRAFFIC CONTROL DETAIL SHEET
SHEET C25	EROSION AND SEDIMENT CONTROL DETAILS

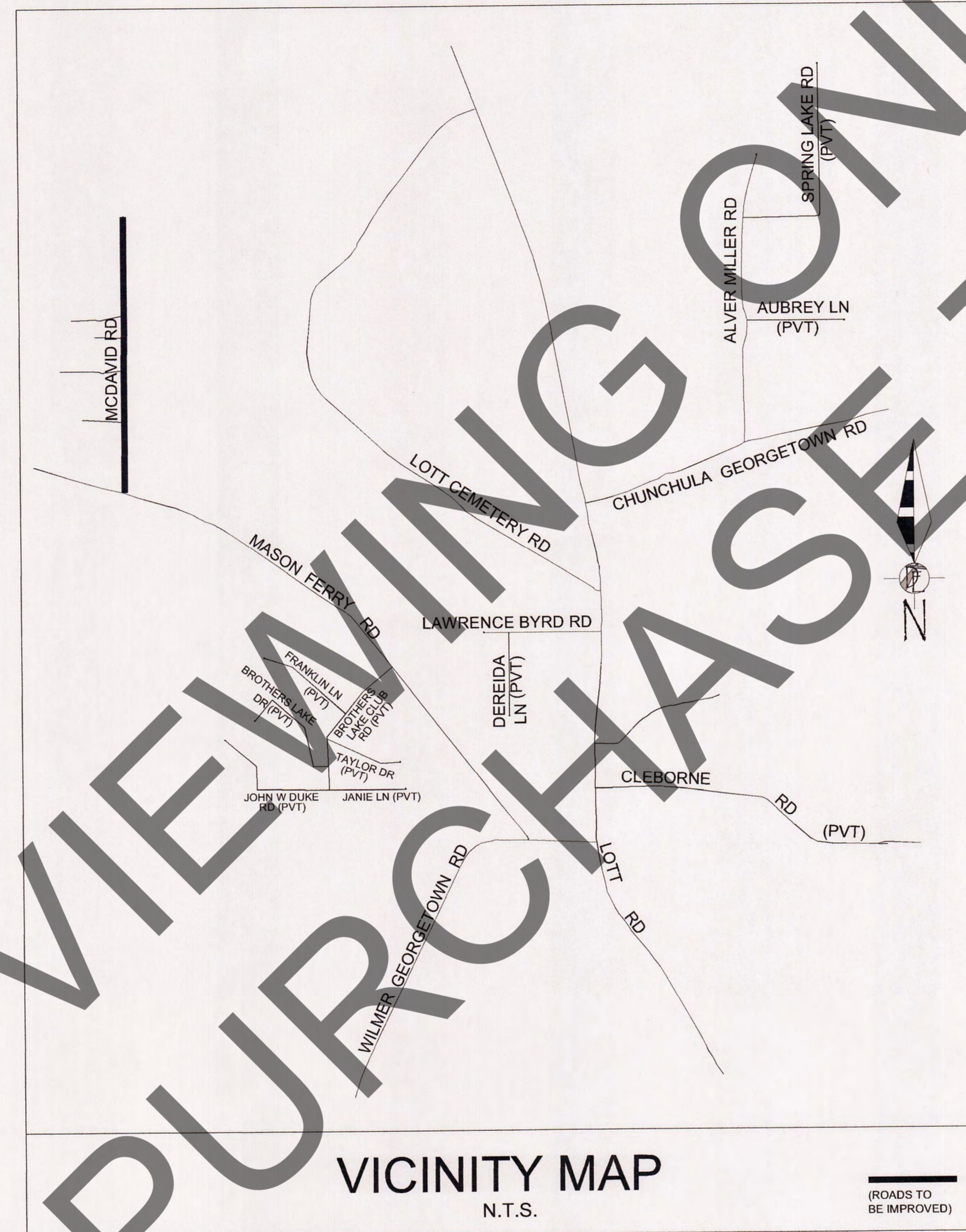
INDEX	DWG. NO.	DESCRIPTION
74004	LCS-107	DETAILS SHOWING REQUIREMENTS FOR LIGHTING CONSTRUCTION SIGNS
74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES
70301	TCM-703	PAVEMENT LEGENDS AND MARKINGS DETAILS
70302	TCM-703	PAVEMENT LEGENDS AND MARKINGS DETAILS
71092	SHS-28	STANDARD HIGHWAY SIGNS
71093	SHS-29	STANDARD HIGHWAY SIGNS

BENCH MARKS:

- HORIZONTAL COORDINATES SHOWN ARE ALABAMA STATE PLANE COORDINATES, WEST ZONE, NAD 83.
- ELEVATIONS SHOWN ARE NAVD88 VERTICAL DATUM.
- HORIZONTAL AND VERTICAL DATUMS WERE DETERMINED BY STATIC GPS OBSERVATIONS RETURNED FROM OPUS REFERENCING THE FOLLOWING CORS STATIONS:

PID	DESIGNATION	LATITUDE	LONGITUDE
DL9796	AL84 ALDOT 8 DIV DIS 4 CORS ARP	N314201.327	W0874720.982
DL3486	ALDI DALUPHIN ISLANDS CORS ARP	N301456.957	W0880440.688
D02054	ALMJ MCDONALD'S CORNERS CORS ARP	N310144.313	W0881347.088
DL7331	ALFO FOLEY CORS ARP	N302501.021	W0874030.280
DN7498	MSEV ELLISVILLE CORS ARP	N313542.081	W0891213.274

4. R.O.W. CONSTRUCTED FROM RECOVERED MONUMENTATION AND FROM DEEDS AND PLATS OF RECORD.



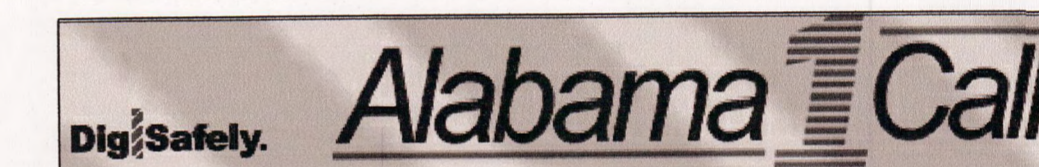
VICINITY MAP
N.T.S.

(ROADS TO BE IMPROVED)

LENGTH OF PROJECT SUMMARY:

MCDAVID RD	3383	LINEAR FEET	0.7	MILES
------------	------	-------------	-----	-------

MCDAVID ROAD		
DATA	2018	2038
ADT	110	150
% TRUCKS	N/A	
FUNCTIONAL CLASSIFICATION	RESIDENTIAL	
POSTED SPEED	25 M.P.H.	



UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED. THE UTILITIES SHOWN MAY NOT BE A COMPLETE REPRESENTATION OF ALL UTILITY LINES IN THE PROJECT AREA. CONTRACTOR IS REQUIRED TO CONTACT ALABAMA ONE CALL PRIOR TO DIGGING (1-800-292-8525) (WWW.AL1CALL.COM). OTHER UTILITIES (INCLUDING PRIVATE UTILITIES OUTSIDE A PUBLIC RIGHT-OF-WAY) THAT DO NOT PARTICIPATE IN THE ALABAMA ONE CALL LINE LOCATION SERVICE NEED TO BE CONTACTED INDIVIDUALLY AND/OR PHYSICALLY LOCATED BY THE CONTRACTOR.

UTILITY OWNERS

POWER	WATER	GAS
Alabama Power Company Luis McMurphy 150 St. Joseph Street P.O. Box 2247 Mobile, AL 36602 Business: (251)694-2008 Cell: (334)403-0321 lmcmurph@southemco.com	South Alabama Utilities Stacy Ward 4800 McCrary Rd. Semmes, AL 36575 Business: (251)648-4316 Ext. 229 Fax: (251)645-0950 sward@southalabamautilities.net	South Alabama Utilities Stacy Ward 4800 McCrary Rd. Semmes, AL 36575 Business: (251)649-4316 Ext. 229 Fax: (251)645-0950 sward@southalabamautilities.net
TELEPHONE		
AT&T Mike Smith 2155 Old Shell Rd. Mobile, AL 36607 Business: (251)471-8442 Cell: (251)591-8630 Fax: (251)471-8267 ms547@att.com		

SUBMITTED BY: Avalishal L. Fisher
AVALISHA L. FISHER, P.E., ALABAMA REG. NO. 22182

DATE: 08/24/2023

ADMINISTRATIVE APPROVAL BY: W. Bryan Kegley, II
W. BRYAN KEGLEY, II P.E./P.L.S.
MOBILE COUNTY ENGINEER

DATE: 8/28/2023

ADMINISTRATIVE REVIEW BY: Brenda W. Carter, P.E.

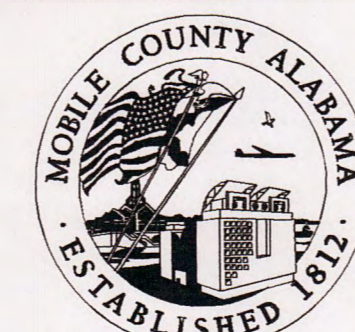
DATE: 8/28/2023

NOTE: THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH MOBILE COUNTY COMMISSION DESIGN GUIDELINES FOR IMPROVING EXISTING COUNTY MAINTAINED UNPAVED LOCAL ROADS, 2017 EDITION.

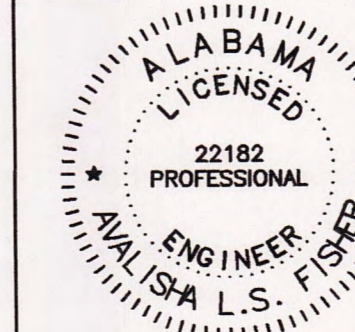
NOTE: THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2018 EDITION.

E	09/07/2023	JCF	ALF	ALF	CLIENT:
	ADDITIONAL 100% SUBMITTAL				MOBILE COUNTY COMMISSION
D	04/24/2020	CJF	ALF	ALF	MERCERIA L. LUDGOOD
	100% SUBMITTAL FOR REVIEW				CONNIE HUDSON
C	02/28/2020	BN	ALF	ALF	JERRY CARL
	90% SUBMITTAL FOR REVIEW				
B	10/30/19	BN	ALF	ALF	
	60% SUBMITTAL FOR REVIEW				
F	08/23/2023	BRJ	ALF	ALF	
	ISSUED FOR BIDS				

MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.drivenengineering.com



TITLE: MCR-2018-204
MCDAVID ROAD
COVER SHEET

DATE	SCALE
02/17/2020	AS SHOWN
DRAWN BY:	CHECKED BY:
BN	ALF
APPROVED BY:	
DRIVEN ENGINEERING PROJECT NUMBER:	
19002	
DRAWING NUMBER	TOTAL SHEETS
C01	25
REVISION	
E	

LEGEND

	CEDAR TREE
	LIVE OAK
	CREPE MYRTLE
	MAGNOLIA TREE
	ORNAMENTAL TREE
	PALM TREE
	SHRUB
	TREE
	CONCRETE MONUMENT
	CONTROL POINT
	CAPPED REBAR
	CRIMP TOP PIPE
	FIRE HYDRANT
	GAS METER
	GUY WIRE
	LIGHT POST
	MAIL BOX
	MAN HOLE
	MARKER
	PECAN TREE
	POWER POLE
	STREET SIGN
	TELEPHONE PEDESTAL
	PINE TREE
	WATER METER
	WATER VALVE

TREE SYMBOLS ARE SCALED BASED ON TREE SIZE.

ABBREVIATIONS

(A)	ACTUAL
(R)	RECORD
(D)	DEED CALL
(M)	FIELD MEASUREMENT
(P)	PLAT (UNRECORDED)
B.O.B.	BASIS OF BEARINGS
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCEMENT
RW	RIGHT-OF-WAY
TBA	TO BE ACQUIRED
FFE	FINISHED FLOOR ELEVATION
PVC	POLYVINYL CHLORIDE PIPE
RC	REINFORCED CONCRETE
CSFPE	CORRUGATED SMOOTH FLOW POLYETHYLENE PIPE

LINE ITEMS

	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	FORESHORTENED LINE
	EXISTING EASEMENT
	EXISTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY MATCH LINE
	RIGHT-OF-WAY TBA
	EASEMENT TBA
	PROPOSED PROPERTY LINE
	FENCE RESET LOCATION
	PROPOSED EDGE OF PAVEMENT
	ADJOINER'S PROPERTY LINES
	EXISTING EDGE OF PAVEMENT
	EXIST OVERHEAD UTILITY LINE(S)
	EXIST UNDERGROUND TELEPHONE LINE
	EXIST. UNDERGROUND GAS LINE OR PIPELINE
	EXISTING UNDERGROUND POWER LINE
	EXIST SANITARY SEWER LINE
	EXISTING FENCE
	EXISTING WATER LINE
	LIMITS OF CONSTRUCTION
	REQ'D SILT FENCE
	EXISTING GUARD RAIL LEFT
	EXISTING GUARD RAIL RIGHT

HATCHES

	DIRT
	CONCRETE
	ASPHALT
	GRAVEL
	TURF REINFORCING MAT
	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED GRAVEL
	PROPOSED RIP RAP

Control Point Table

Point #	Elevation	Northing	Easting	Description
1	279.20	336982.13	1718485.46	CPT MAG SET
2	282.58	336404.98	1718480.45	CPT MAG SET
17	272.11	336055.97	1718501.42	CPT MAG SET
18	283.44	336486.91	1718526.78	CPT CRS DEI
19	284.68	336483.84	1718771.18	CPT CRS DEI
21	285.64	335819.74	1718502.48	CPT MAG SET
23	273.84	336031.06	1718415.19	CPT MAG SET
26	287.55	335449.52	1718457.03	CPT MAG SET
27	287.60	335515.65	1718425.64	CPT MAG SET
28	288.10	335519.46	1718206.57	CPT MAG SET
31	288.46	335202.47	1718492.42	CPT MAG SET
34	287.97	334874.55	1718452.80	CPT MAG SET
38	285.80	334184.21	1718492.74	CPT MAG SET
39	289.43	334544.76	1718489.23	CPT MAG SET
40	289.37	334503.76	1718457.72	CPT MAG SET
41	282.84	333619.66	1718453.65	CPT CRS DEI

CONTROL POINTS BY STA/OFF

Point	Station	Offset
1	33+49.25	16.141'
2	27+72.11	10.204'
17	24+23.06	30.613'
18	28+53.96	56.663'
19	28+50.50	301.062'
21	21+86.84	31.290'
23	23+98.30	-55.659'
26	18+16.69	-14.756'
27	18+82.87	-45.838'
28	18+87.03	-263.100'
31	15+69.58	20.235'
34	12+41.73	-19.905'
38	5+51.33	18.927'
39	9+11.88	15.993'
40	8+70.93	-15.583'
41	0+13.16	-21.072'

GENERAL NOTES:

- STANDARD SPECIFICATIONS FOR STREETS AND DRAINAGE: REFERENCE IS MADE TO THE ALABAMA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", 2022 EDITION. ALL PROVISIONS OF SAID STANDARD SPECIFICATIONS SHALL APPLY TO THIS CONTRACT AND ARE HEREBY MADE A PART OF THIS CONTRACT, EXCEPT WHEN THE PROVISIONS HEREON OR THE PLANS ARE CLEARLY IN CONFLICT WITH THE PROVISIONS OF SAID STANDARD SPECIFICATIONS, THE PROVISIONS HEREON AND THE PLANS SHALL GOVERN.
- THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO CONSTRUCTION OR FABRICATION.
- THE CIVIL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND ANY APPLICABLE SPECIFICATIONS. CONTRACTOR IS DIRECTED TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY IF ANY CONFLICT IS FOUND BETWEEN THE CIVIL PLANS AND THE PLANS OF OTHER DISCIPLINES.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY CALLED FOR IN THE DRAWINGS.
- ALL UNPAVED AREAS THAT HAVE BEEN GRADED, CUT, OR FILLED SHALL BE TREATED WITH A SUITABLE COMMERCIAL FERTILIZER IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS, AND SEEDED WITH A MIXTURE TO SUIT THE PLANTING ZONE (652.03) AND DATE OF PLANTING (860.01) PER ALABAMA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS. A FIRM STAND OF PERMANENT GRASS WILL BE REQUIRED.
- ALL CONCRETE USED ON THE PROJECT SHALL BE 3,000 PSI MINIMUM COMPRESSIVE STRENGTH REQUIRED IN 28 DAYS, UNLESS SPECIFICATIONS REQUIRE CONCRETE OF GREATER STRENGTH.
- UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED. THE UTILITIES SHOWN MAY NOT BE A COMPLETE REPRESENTATION OF ALL UTILITY LINES IN THE PROJECT AREA. CONTRACTOR IS REQUIRED TO CONTACT ALABAMA ONE CALL PRIOR TO DIGGING (1-800-292-8525) (WWW.AL1CALL.COM). OTHER UTILITIES INCLUDING PRIVATE UTILITIES INSIDE OR OUTSIDE A PUBLIC RIGHT-OF-WAY THAT DO NOT PARTICIPATE IN THE ALABAMA ONE CALL LINE LOCATION SERVICE NEED TO BE CONTACTED INDIVIDUALLY AND/OR PHYSICALLY LOCATED BY THE CONTRACTOR.
- SUB-GRADE AND BASE SHALL BE COMPACTED TO THE REQUIREMENTS OF ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPER COMPACTION ON ANY AND ALL UTILITY DITCHES.
- ALL FILL AND EMBANKMENT CONSTRUCTION SHALL BE COMPACTED AS REQUIRED IN LAYERS NOT TO EXCEED 8".
- ALL SUITABLE EXCESS UNCLASSIFIED EXCAVATION IS TO BE UTILIZED FOR CONSTRUCTION OF EMBANKMENTS AND SLOPES NOT DIRECTLY UNDER THE TRAVEL WAY OR PARKING AREAS PRIOR TO ANY OFFSITE BORROW EXCAVATION. AFTER CONSTRUCTION OF SUCH AREAS IS COMPLETED, EXCESS EXCAVATION SHALL BE SPREAD AS DIRECTED BY THE ENGINEER, OR AT THE ENGINEER'S DIRECTION, HAULED FROM THE SITE AT NO ADDITIONAL PAYMENT.
- ALL SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND FULLY FUNCTIONING PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ACTIVITY.
- ALL SLOPES MUST BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EXCESSIVE EROSION.
- THE SITE IS LOCATED IN SEC. 9, T-1-S, R-3-W, MOBILE COUNTY, ALABAMA.
- PRELIMINARY SOILS TESTING AND ON-SITE CONSTRUCTION MATERIALS TESTING IS (TO BE) PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER FOR THIS PROJECT IS POPE TESTING.
- ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
- CONTRACTOR IS PROHIBITED FROM DISTURBING SITE AREAS OUTSIDE THE CONSTRUCTION LIMITS SHOWN ON THE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER. STAGING AREAS OUTSIDE THE CONSTRUCTION LIMITS, PILES OF DIRT, AND OTHER BARE AREAS ARE TO BE COVERED AS DIRECTED BY THE ENGINEER. ANY AREAS DISTURBED OUTSIDE THE CONSTRUCTION LIMITS WILL BE REPAIRED AND COVERED WITH A FIRM STAND OF GRASS BEFORE FINAL PAYMENT AND FINAL ACCEPTANCE OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER. IF GRASS WILL NOT GROW ON THE SUBJECT AREA DUE TO POOR WEATHER CONDITIONS, THE CONTRACTOR AGREES TO PLACE SOIL ON THE AREA TO PREVENT EXCESS BARE AREAS FROM CONTRIBUTING SEDIMENT EROSION TO THE AREAS OF THE SITE THAT ARE UNDER CONSTRUCTION.
- CONTRACTOR IS REQUIRED TO USE "BEST MANAGEMENT PRACTICES" COMPLIANT WITH THE "ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS", ALABAMA SOIL AND WATER CONSERVATION COMMITTEE, MONTGOMERY, ALABAMA, VOLUMES 1 & 2, 2018 EDITION, TO PREVENT SEDIMENT LADEN STORM WATER RUNOFF OR ERODED MATERIALS FROM LEAVING THE CONSTRUCTION SITE.
- ALL MATERIALS AND WORKMANSHIP WITHIN A STATE OR COUNTY RIGHT-OF-WAY SHALL CONFORM TO THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION.
- CONTRACTOR IS REQUIRED TO CONTACT MR. NEAL HOWARD (MOBILE COUNTY PUBLIC WORKS ENGINEERING MANAGER) AT (251) 574-4030 TO DISCUSS THE CONDITIONS OF THE COUNTY MAINTAINED ROAD LEADING TO THE CONSTRUCTION SITE PRIOR TO PERFORMING ANY WORK WITHIN THE COUNTY MAINTAINED RIGHT-OF-WAY.
- ALL CONCRETE PIPE TO BE PLACED WITHIN ANY MOBILE COUNTY RIGHT-OF-WAY SHALL HAVE A MOBILE COUNTY CERTIFICATION DOCUMENT AS WELL AS A "MOCO" STAMP ON THE PIPE. THE CERTIFICATION IS IDENTICAL TO THE BMT-72 THAT IS REQUIRED BY ALDOT. WHOEVER ORDERS PIPE FOR THIS PROJECT SHOULD LET THE SUPPLIER KNOW AT THE TIME OF ORDERING THAT IT IS A MOBILE COUNTY JOB.
- FILTER BLANKET USED WITH RIPRAP SHALL BE A NON-WOVEN GEOTEXTILE TYPE GEOTEX 801 OR ENGINEER APPROVED EQUIVALENT.
- ALL PIPE END TREATMENTS SHALL INCLUDE A TOE WALL AT LEAST 1.5 FEET DEEP FROM PIPE FLOW LINE AND 8 INCHES THICK UNLESS CONNECTED TO A CONCRETE DITCH SECTION.
- THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE GEOTECHNICAL ENGINEER/TESTING LABORATORY OF HIS WORKING SCHEDULE IN ORDER THAT THE PROPER SAMPLE MAY BE OBTAINED AND TEST MADE.
- IF EXISTING PIPES THAT REQUIRE EXTENSION ARE BROKEN BEFORE CONSTRUCTION BEGINS AND THE ENGINEER DETERMINES ON AN INCIDENT BASIS THAT A CONCRETE COLLAR IS REQUIRED, THE COLLAR WILL BE CONSTRUCTED AS DETAILED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL AND STANDARD DRAWINGS, CURRENT EDITION, AND SHALL BE PAID FOR AS ITEM 620-A, MINOR STRUCTURE CONCRETE (INCLUDING REINFORCEMENT) AT THE CONTRACT BID PRICE FOR SAID PAY ITEM.
- TREES THAT ARE TO BE PROTECTED AND PRESERVED, AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER OR THE ENGINEER'S INSPECTOR SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION. THE CONTRACTOR IS DIRECTED TO EXERCISE EXTREME CAUTION WHEN WORKING NEAR THESE TREES. NO VEHICLES OR HEAVY EQUIPMENT SHALL BE PARKED OR STORED UNDER THE CANOPY OF THESE TREES. WHEN SUBGRADE IS EXCAVATED IN THE ROOT ZONE OF THESE TREES, ROOTS ARE TO BE SAWED NOT RIPPED WITH HEAVY EQUIPMENT SUCH AS BACKHOE BUCKETS. NO METHOD OF ROOT REMOVAL WILL BE DONE BY ANY METHOD THAT WOULD RESULT IN ANY DISPLACEMENT OF ROOTS THAT ARE TO REMAIN.
- UNLESS OTHERWISE SPECIFIED WITHIN THE CONTRACT DOCUMENTS, CLASS 3 OR GREATER REINFORCED CONCRETE PIPE OR POLYVINYL CHLORIDE (A-2000) PIPE SHALL BE USED FOR SIDE DRAIN PIPE OR STORM SEWER PIPE NOT LOCATED BENEATH THE COUNTY ROADWAY.
- UNLESS OTHERWISE SPECIFIED WITHIN THE CONTRACT DOCUMENTS, CLASS 3 OR GREATER REINFORCED CONCRETE PIPE SHALL BE USED FOR ROADWAY PIPE OR STORM SEWER PIPE LOCATED BENEATH THE COUNTY ROADWAY.
- THE DETAILS PROVIDED IN THE ALDOT SPECIAL AND STANDARD DRAWING BOOK NOTED AS HW-614-SP SHALL ALSO BE APPLICABLE TO PVC (A-2000) PIPE AS STIPULATED IN THE PLAN SET.
- THE MOWING PAY ITEM IN THIS PROJECT INCLUDES REMOVING LITTER AND DEBRIS FROM THE AREAS TO BE MOWED PRIOR TO MOWING. ANY DEBRIS REMAINING IN MOWED AREAS SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY AFTER MOWING AND THE MOWED AREA SHALL BE FREE OF LITTER AND DEBRIS IN ORDER FOR THE ENGINEER TO APPROVE PAYMENT OF THE MOWING WORK.
- TOPSOIL THICKNESS MAY VARY AT THE EDGE OF PAVEMENT TO TIE INTO THE PAVEMENT GRADE.
- TACK COAT TO BE APPLIED ON DRIVEWAYS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR THE ENGINEER'S INSPECTOR A MINIMUM OF 24 HOURS BEFORE ANY CONCRETE POURS OR FORCE ACCOUNTS ARE PERFORMED FOR THIS PROJECT. IN ADDITION TO THIS REQUIREMENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR ENGINEER'S INSPECTOR A MINIMUM OF 48 HOURS BEFORE ANY ASPHALT PAVING CAN OCCUR.

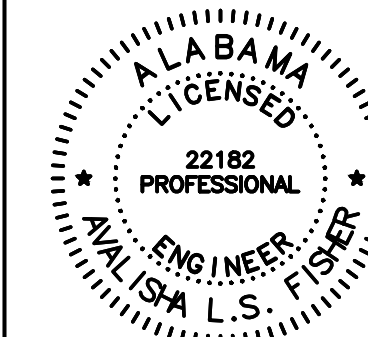
FOR VIEWING ONLY
MUST PURCHASE TO

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRH	ALF	ALF	ISSUED FOR BIDS

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



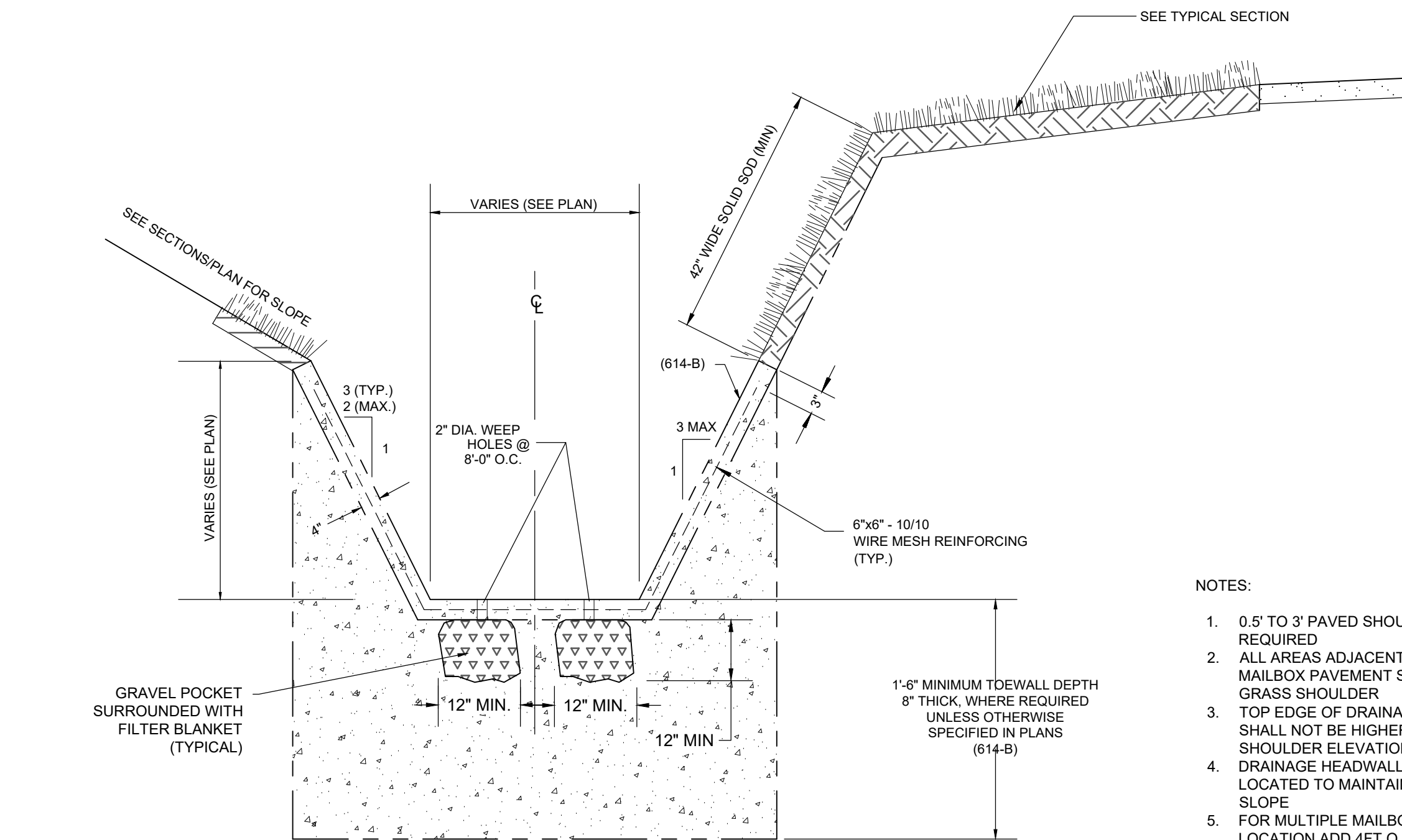
Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.drivnengineering.com



TITLE:		MCR-2018-204 MCDAVID ROAD	
DATE:		02/17/2020	SCALE: AS SHOWN
DRAWN BY:	BN	CHECKED BY:	ALF
APPROVED BY:	ALF	PROJECT NUMBER:	19002
DRAWING NUMBER:	C02	TOTAL SHEETS:	25
REVISION:	E		

LEGEND AND NOTES

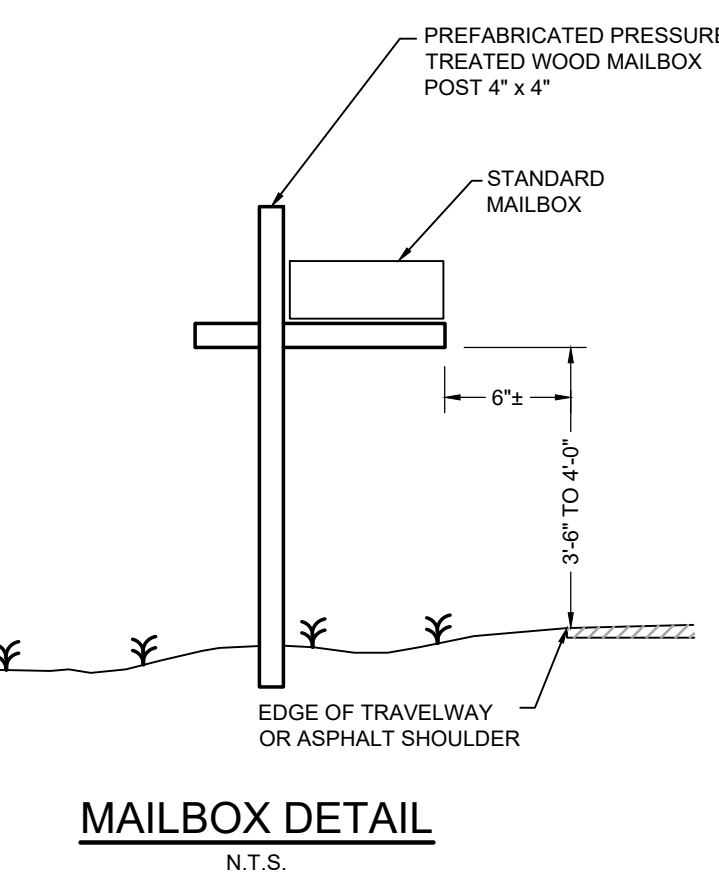
Copyright © as Dated by Driven Engineering, Inc.
All Rights Reserved



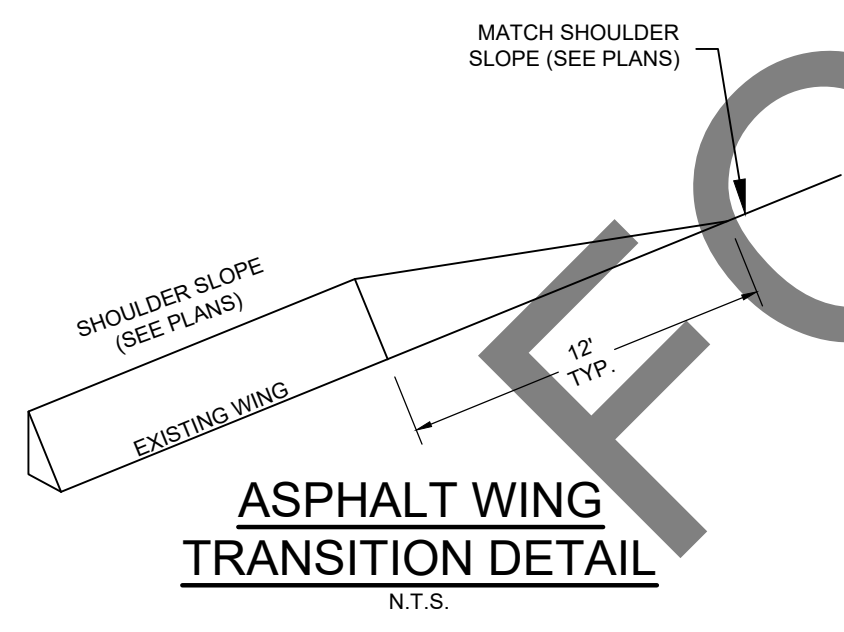
CONCRETE DITCH NOTES:
 1.) WEEP HOLES AND GRAVEL POCKETS WRAPPED IN FILTER FABRIC SHALL BE A SUBSIDIARY OBLIGATION OF THE CONTRACT WITH NO DIRECT PAYMENT.
 2.) TOE WALLS ARE REQUIRED AT BEGINNING AND END OF EACH LENGTH OF DITCH UNLESS DITCH TIES TO OTHER CONCRETE STRUCTURE SUCH AS A HEADWALL OR FLUME.
 3.) CONTRACTION JOINTS ARE REQUIRED EVERY 20 LF OF DITCH AS A MINIMUM. EXPANSION JOINTS ARE REQUIRED EVERY 80 LF OF DITCH UTILIZING A FILLER AND SEALER AS SPECIFIED IN ARTICLES 832.01 AND 832.02.
 4.) MINIMUM SUBGRADE COMPACTION REQUIRED FOR STANDARD SIDEDRAIN DITCHES IS 95% STANDARD PROCTOR DENSITY AS PER ASHTO T-99.
 5.) SOD SHALL BE PINNED ON ANY SLOPE EXCEEDING 3:1.

CONCRETE FLAT BOTTOM DITCH

SCALE: N.T.S.



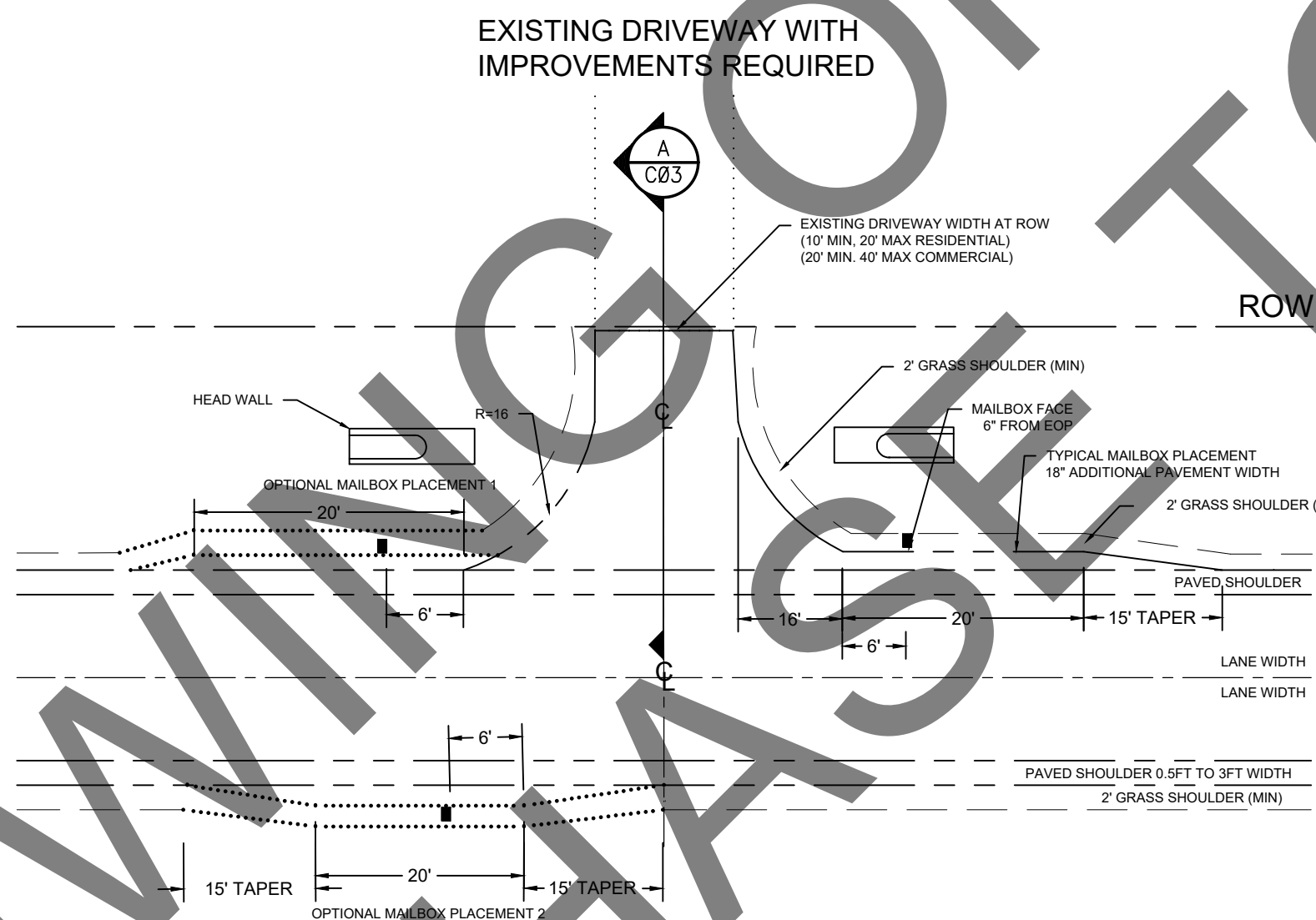
MAILBOX DETAIL
N.T.S.



ASPHALT WING TRANSITION DETAIL
N.T.S.

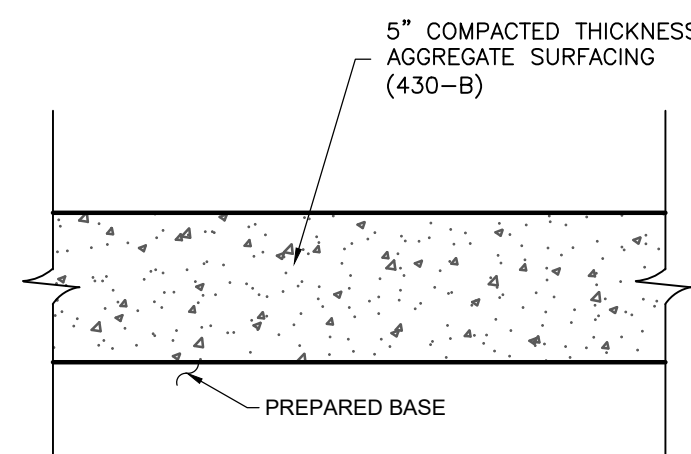
NOTES:

- 0.5' TO 3' PAVED SHOULDER MAY BE REQUIRED
- ALL AREAS ADJACENT TO DRIVEWAY AND MAILBOX PAVEMENT SHALL HAVE 2' (MIN) GRASS SHOULDER
- TOP EDGE OF DRAINAGE HEADWALLS SHALL NOT BE HIGHER THAN GRASS SHOULDER ELEVATION
- DRAINAGE HEADWALLS SHALL BE LOCATED TO MAINTAIN TYPICAL FRONT SLOPE
- FOR MULTIPLE MAILBOXES AT ONE LOCATION ADD 4FT O.C. BETWEEN MAILBOXES AND ADD 4FT TO 20FT TANGENT SECTION PAVEMENT FOR EACH ADDITIONAL MAILBOX
- ADDITIONAL PAVEMENT WIDTH IS NOT REQUIRED FOR CROSS SECTIONS HAVING ASPHALT WING. PLACE MAILBOX FACE 6" FROM BACK OF WING.



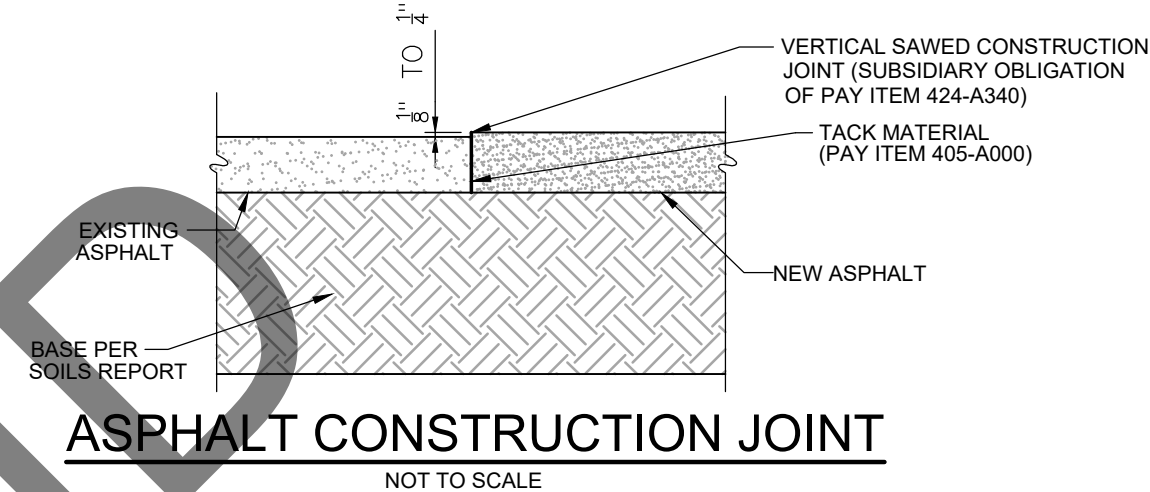
DRIVEWAY AND MAILBOX PAVING DETAIL

NOT TO SCALE



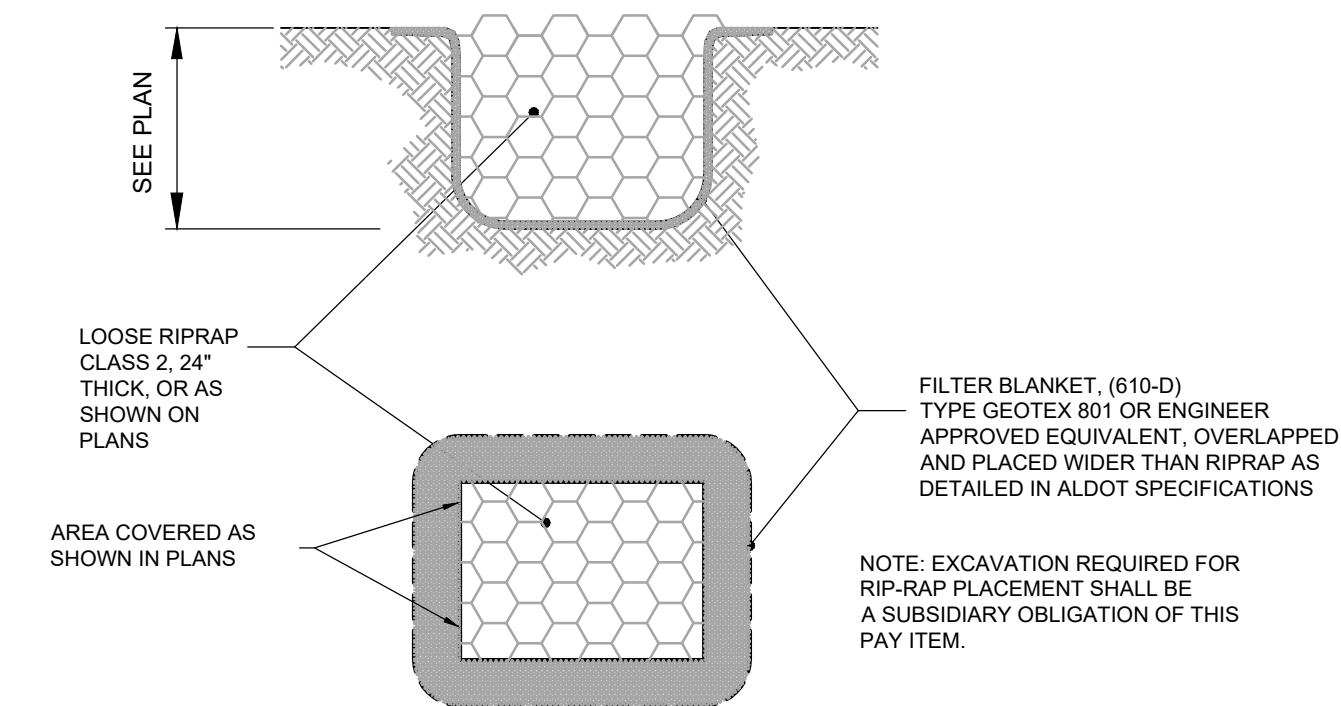
5" AGGREGATE SURFACING BUILDUP

WHERE DIRECTED BY THE ENGINEER
N.T.S.



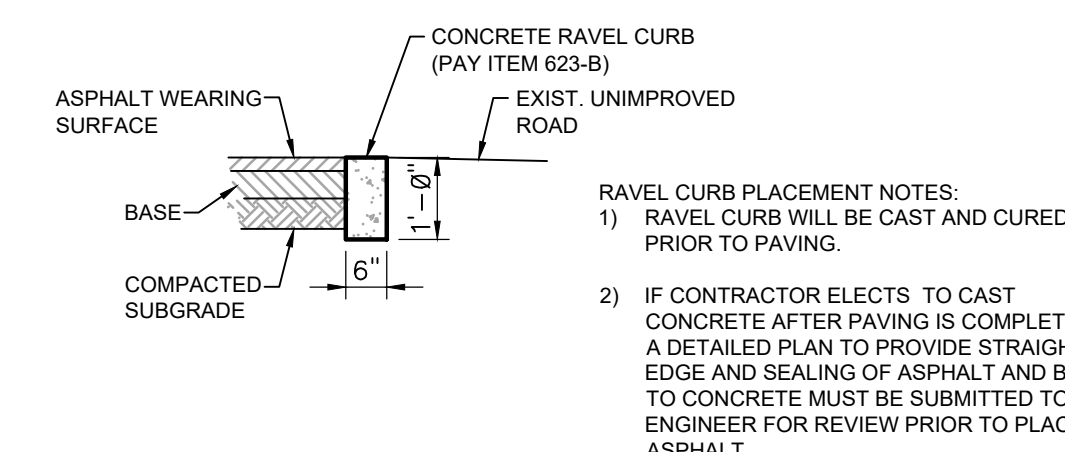
ASPHALT CONSTRUCTION JOINT

NOT TO SCALE



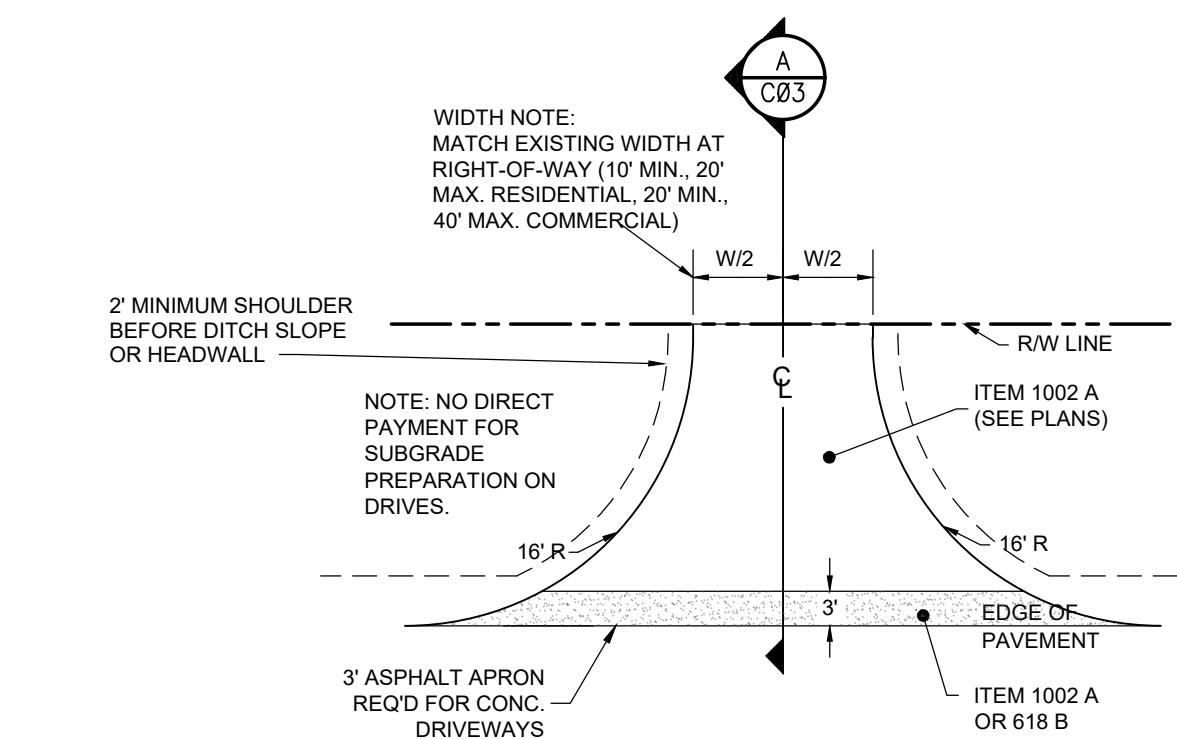
RIPRAP PLACEMENT DETAIL

N.T.S.



CONCRETE RAVEL CURB

NOT TO SCALE



CONCRETE AND ASPHALT DRIVEWAY DETAIL

N.T.S.

ITEM 1002-A. RESIDENTIAL ASPHALT DRIVEWAYS:
BUILDUP TO MATCH MAIN LINE GRADE-DRAIN-BASE-PAVE SECTION

ITEM 1002-B. COMMERCIAL ASPHALT DRIVEWAYS:
BUILDUP TO MATCH MAIN LINE GRADE-DRAIN-BASE-PAVE SECTION

ASPHALT DRIVEWAYS ARE PAID FOR PER S.Y. COMPLETE IN PLACE. ITEM 1002-A OR 1002-B.

ITEM 618-B. CONCRETE DRIVEWAY.
5" THICK, INCLUDES 6"x6" 10/10 WIRE MESH REINFORCEMENT. 2" CLEAR.

NOTE: WHERE EXISTING DRIVEWAY IS CONCRETE, REQ'D REMOVE CONCRETE (206-C) ONLY IN AREA WHERE THE NEW ASPHALT APRON IS REQUIRED.


IF THE ENGINEER REQUIRES THE USE OF 401-A, IT WILL BE PAID FOR SEPARATELY.

ALL CONCRETE SAWCUTS SHALL BE AT LEAST 4 FEET FROM THE NEAREST JOINT. WHERE SAWCUT IS CLOSER THAN 4 FEET, THE SAWCUT SHALL BE MADE AT THE JOINT.

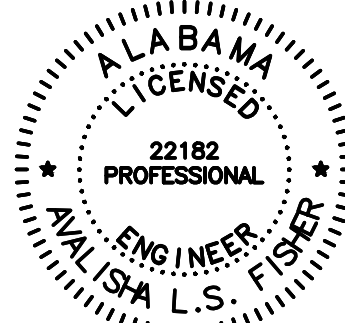
MUST PURCHASE ONLY TO BID

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRH	ALF	ALF	ISSUED FOR BIDS

CLIENT: MOBILE COUNTY COMMISSION
 MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL



Driven Engineering, Inc.
 8005 Morris Hill Road Semmes, AL 36575
 (251) 649-4011 Office
 (251) 645-0971 Fax
 www.driveneengineering.com



TITLE: MCR-2018-204
 MCDAVID ROAD
 DETAILS

DATE	SCALE
02/17/2020	AS SHOWN
DRAWN BY: BN	CHECKED BY: ALF
APPROVED BY: ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002	
DRAWING NUMBER: C03	TOTAL SHEETS: 25
REVISION: E	

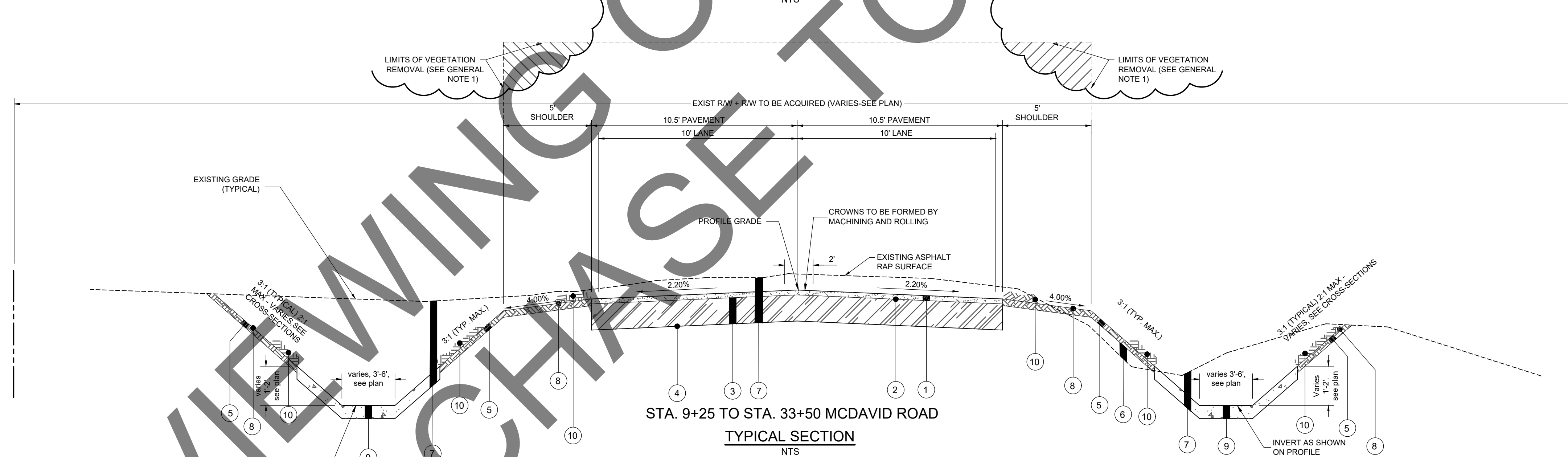
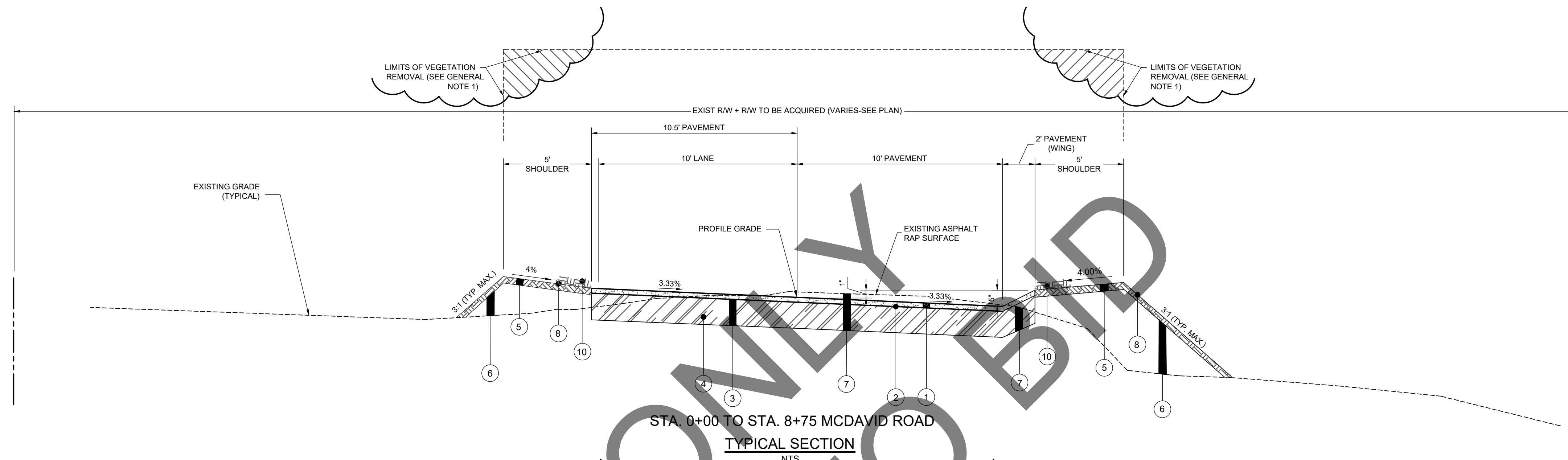
Copyright © as Deft by Driven Engineering, Inc. All Rights Reserved.

GENERAL NOTES

- 1) THE REQUIRED LIMBING AND TRIMMING TO OBTAIN THE 20'-0" (MIN. VERTICAL CLEARANCE SHALL BE A SUBSIDIARY OBLIGATION OF CLEARING AND GRUBBING (ITEM 201-A). THE 20'-0" (MIN.) VERTICAL CLEARANCE SHALL BE IN PLACE AT THE TIME OF INSPECTION FOR ACCEPTANCE BY THE COUNTY OF MOBILE.
- 2) THE FRONT & BACK SLOPES SHOWN ARE TO BE USED UNLESS OTHERWISE SHOWN ON CROSS SECTIONS OR UNLESS DIRECTED BY THE ENGINEER OR THE ENGINEER'S INSPECTOR.
- 3) ALL SOILS CUT FROM SITE SHOULD NOT BE REPLACED IN ROADBED BUT ARE SUITABLE FOR REUSE OUTSIDE OF ROADWAY.
- 4) WHERE FINAL ROADWAY GRADES ARE TO BE RAISED MORE THAN ONE (1) FOOT, ADDITIONAL SOIL REMOVAL WILL ONLY BE REQUIRED TO FULLY CLEAR THE EXISTING SHOULDERS FROM TOPSOILS, ROOTS, TRASH, ETC. EXCAVATION SHOULD CONTINUE AS NECESSARY TO COMPLETELY REMOVE ORGANIC CONTAINING SOILS OR DELETERIOUS MATERIALS. THE EXISTING ROAD SURFACE SHOULD BE SUITABLE FOR EMBANKMENT OF FINAL SUBGRADE.
- 5) FILL SOILS USED TO REPLACE SOIL IN UNDERCUT AREAS SHOULD BE IMPORTED FILL SOILS MEETING AASHTO A-2 CLASSIFICATION.
- 6) TOPSOIL THICKNESS MAY VARY AT PAVEMENT EDGE TO TIE TO PAVEMENT GRADE.

ASPHALT BUILDUP LEGEND

- | | | |
|---|----------------------------------|--|
| ① | 424-A340 | SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAX AGGREGATE SIZE MIX ESAL RANGE B, 180 LB/SY |
| ② | 401-A000 | BITUMINOUS TREATMENT A |
| ③ | 301-A008 | CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 5" COMPACTED THICKNESS |
| ④ | 230-A000 | ROADBED PROCESSING |
| ⑤ | 650-A000 | TOPSOIL, 4" COMPACTED THICKNESS |
| ⑥ | 210-A000
210-D001 | SELECT MATERIAL FROM UNCLASSIFIED EXCAVATION OR BORROW EXCAVATION (LOOSE TRUCKBED MEASURE) |
| ⑦ | 210-A000 | UNCLASSIFIED EXCAVATION |
| ⑧ | 652-A100
656-A010
659-A001 | SEEDING
MULCHING
EROSION CONTROL NETTING, CLASS A REQUIRED ON SLOPES EXCEEDING 3:1 |
| ⑨ | 614-B000 | REINFORCED SLOPE PAVING (WHERE SHOWN ON PLANS). SEE DETAIL ON C03. |
| ⑩ | 654-A000 | SOLID SODDING 42" WIDE MIN. |

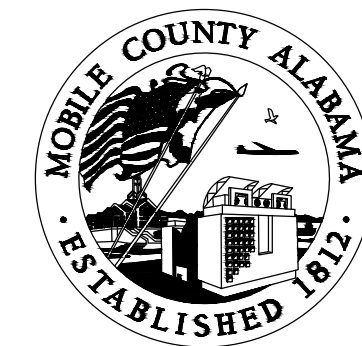


STA. 8+75 TO STA. 9+25 MCDAVID ROAD - transition between these typical sections (see plan)

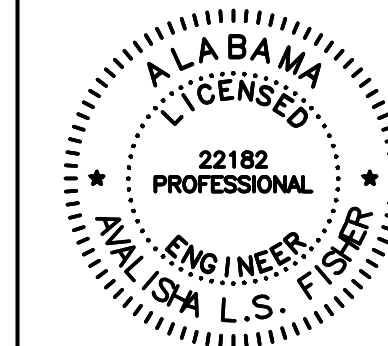
FOR VIEWING ONLY
MUST PURCHASE TO BE USED

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRH	ALF	ALF

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.drivenengineering.com



TITLE:
MCR-2018-204
MCDAVID ROAD
TYPICAL SECTIONS

DATE		SCALE	
02/17/2020		AS SHOWN	
DRAWN BY:	CHECKED BY:	APPROVED BY:	
BN	ALF	ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C04	25	E	

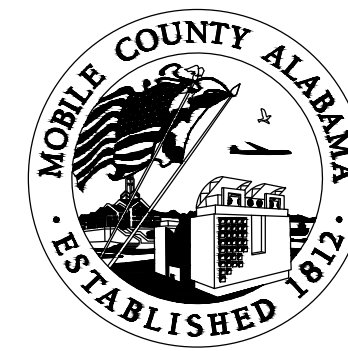
Copyright © as Drafted by Driven Engineering, Inc. All Rights Reserved

ESTIMATED QUANTITY	ITEM NUMBER	UNIT	DESCRIPTION
ROADWAY ITEMS			
1	201-A002	LS	CLEARING AND GRUBBING (APPROX. 6 ACRES)
20	206-C023	SY	REMOVING RIPRAP
80	206-C001	SY	REMOVING CONCRETE PAVEMENT
101	206-C030	SY	REMOVING ASPHALT
756	206-D000	LF	REMOVING PIPE
58	206-E000	EA	REMOVING HEADWALLS
24	209-A000	EA	MAILBOX RESET
6230	210-A000	CY	UNCLASSIFIED EXCAVATION
1000	210-A001	CY	UNCLASSIFIED EXCAVATION (SPECIAL UNDERCUT)
1420	210-D001	CY	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
1500	210-D022	CY	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) A-2-4(0) OR A-4(0)
35	230-A000	STA	ROADBED PROCESSING
8455	301-A008	SYCIP	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 5" COMPACTED THICKNESS
8455	401-A000	SY	BITUMINOUS TREATMENT A
837	424-A340	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (180 LB/SY)
200	430-B003	TON	AGGREGATE SURFACING
76	530-A001	LF	36" ROADWAY PIPE (CLASS 3 RC)
432	535-A002	LF	15" SIDE DRAIN PIPE
208	535-A003	LF	18" SIDE DRAIN PIPE
128	535-A002	LF	24" SIDE DRAIN PIPE
38	535-B001	LF	18" SPAN, 11" RISE SIDE DRAIN PIPE
266	535-B002	LF	29" SPAN, 18" RISE SIDE DRAIN PIPE
152	535-B003	LF	36" SPAN, 23" RISE SIDE DRAIN PIPE
1	600-A000	LS	MOBILIZATION
300	610-A004	SY	LOOSE RIPRAP, CLASS 2, 24" THICK
300	610-D003	SY	FILTER BLANKET, GEOTEXTILE (NON-WOVEN)
205	614-B000	CY	REINFORCED SLOPE PAVING
66	618-B001	SY	CONCRETE DRIVEWAYS, 5" THICK
22	619-A102	EA	15" SIDE DRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
10	619-A102	EA	18" SIDE DRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
6	619-A102	EA	24" SIDE DRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
2	619-B101	EA	18" SPAN, 11" RISE SIDE DRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
12	619-B102	EA	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT CLASS 2 4:1 SLOPE
4	619-B103	EA	36" SPAN, 23" RISE SIDE DRAIN PIPE END TREATMENT CLASS 2 4:1 SLOPE
2	619-B116	EA	36" ROADWAY PIPE END TREATMENT CLASS 2 3:1 SLOPE
24	623-B120	LF	CONCRETE CURB, RAVEL
3564	637-A000	LF	FENCE RESET
4400	650-A000	CYIP	TOPSOIL APPROX 4" THICK
6	652-C000	AC	MOWING
3	652-A100	AC	SEEDING
10000	654-A000	SY	SOLID SODDING
3	656-A010	AC	MULCHING
2000	656-D000	SY	EROSION CONTROL NETTING
3	665-A000	AC	TEMPORARY SEEDING
150	665-B000	TON	TEMPORARY MULCHING
6	665-H000	EA	EROSION CONTROL CHECK DAM (RIPRAP)
6750	665-J002	LF	SILT FENCE
6750	665-O001	LF	SILT FENCE REMOVAL
1000	665-Q002	LF	WATTLE
1	680-A000	LS	GEOMETRIC CONTROLS
1	698-A001	LS	CONSTRUCTION FUEL (MAXIMUM BID LIMITED TO \$57700)
2	740-I001	EA	WARNING LIGHTS, TYPE B
208	740-B001	SF	CONSTRUCTION SIGNS (TYPE IV)
75	740-D000	EA	CHANNELIZING DRUMS
1024	1002-A001	SY	RESIDENTIAL ASPHALT DRIVEWAY
264	1002-B001	SY	COMMERCIAL ASPHALT DRIVEWAY
UTILITY ITEMS			
400	206-D	LF	REMOVING UTILITY LINES
450	641-A1	LF	3/4" H.D.P.E. WATER SERVICE LINE LAID
340	641-A2	LF	6" PVC WATER MAIN LAID
85	641-A3	LF	6" DI WATER MAIN LAID
374	641-C	LBS	DUCTILE IRON FITTINGS
1	641-E	EA	FIRE HYDRANT RESET
2	641-J	EA	6" GATE VALVE AND BOX
2	641-L	CY	CONCRETE FOR WATER MAINS (THRUST BLOCKS)
25	641-M	EA	6" RETAINER GLANDS
2	641-P1	EA	3/4" SERVICE TAP AND CORPORATION STOP
1	641-P2	EA	6"x6" TAPPING SLEEVE AND VALVE
12	641-R1	EA	3/4" WATER METER AND BOX RESET
12	641-R2	EA	3/4" CURB STOP

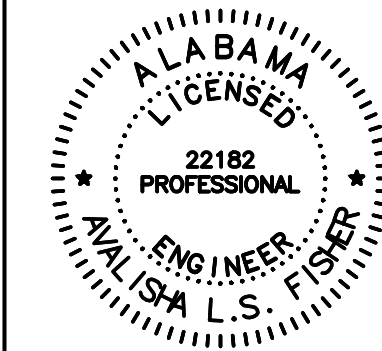
MUST PURCHASE ONLY FOR VIEWING PURPOSES TO BID

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRH	ALF	ALF

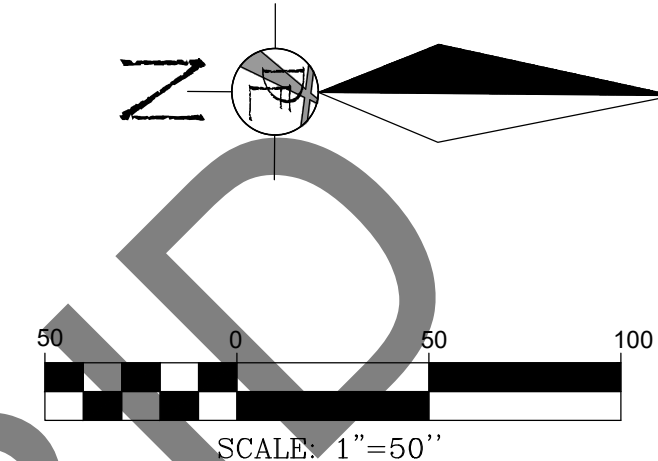
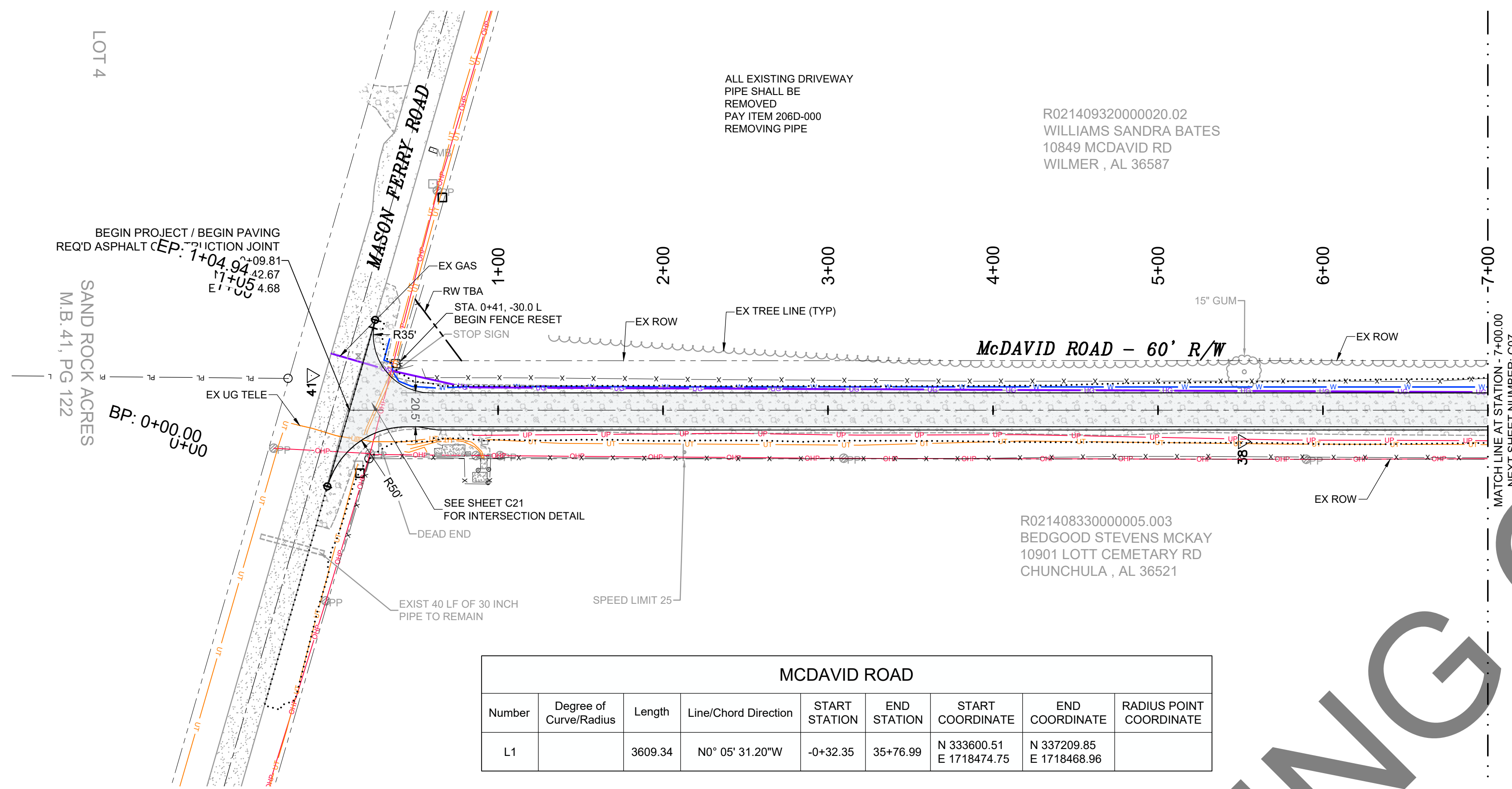
CLIENT: MOBILE COUNTY COMMISSION
 MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL



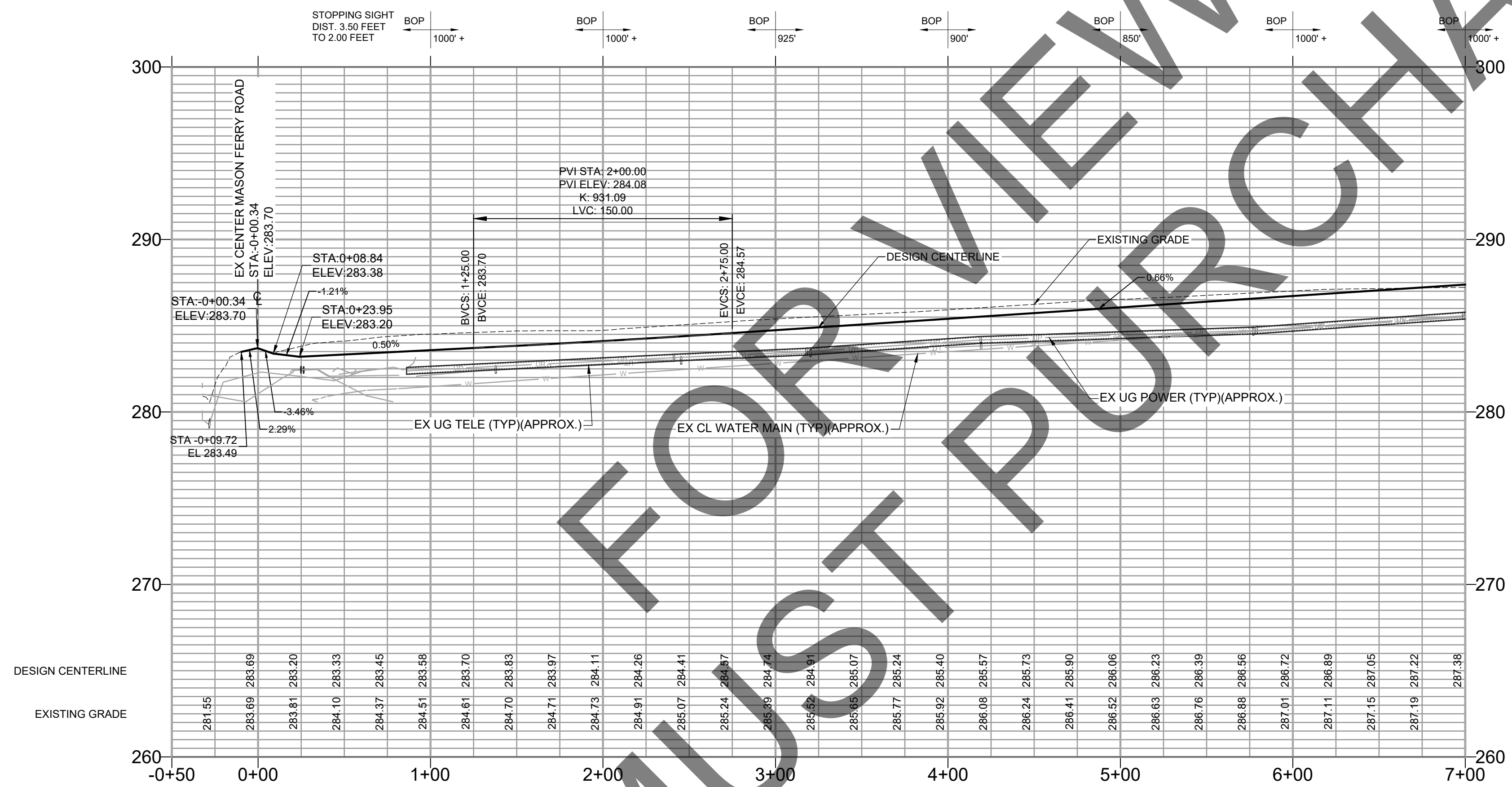
Driven Engineering, Inc.
 8005 Morris Hill Road Semmes, AL 36575
 (251) 649-4011 Office
 (251) 645-0971 Fax
 www.drivenengineering.com



TITLE: MCR-2018-204 MCDAVID ROAD SUMMARY OF QUANTITIES		DATE: 02/17/2020 SCALE: AS SHOWN	
DRAWN BY: BN	CHECKED BY: ALF	APPROVED BY: ALF	PROJECT NUMBER: 19002
DRAWING NUMBER: C05	TOTAL SHEETS: 25	REVISION: E	



MCDAVID ROAD PROFILE



SEE SHEET C21 FOR INTERSECTION DETAIL

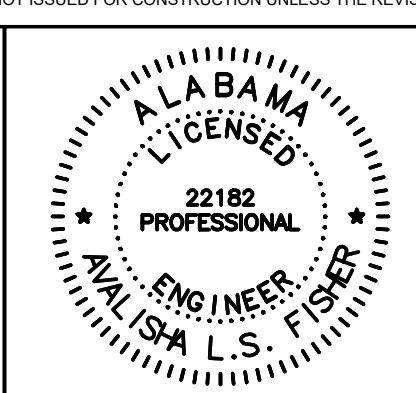
SEE SHEET C02 FOR DRAWING LEGEND

DESIGN SPEED = 30 MPH
K_v = 19 (MIN.)
K_s = 37 (MIN.)

E	09/07/2021	JGF	ALF	ALF	CLIENT:
D	04/24/2020	CJF	ALF	ALF	MOBILE COUNTY COMMISSION
C	02/28/2020	BN	ALF	ALF	MERCERIA L. LUDGOOD
B	10/30/19	BN	ALF	ALF	CONNIE HUDSON
F	08/23/2023	BRN	ALF	ALF	JERRY CARL

MOBILE COUNTY ALABAMA
ESTABLISHED 1821

Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.driveneengineering.com



MCR-2018-204
MCDAVID ROAD
PLAN AND PROFILE
SHEET 1 OF 5

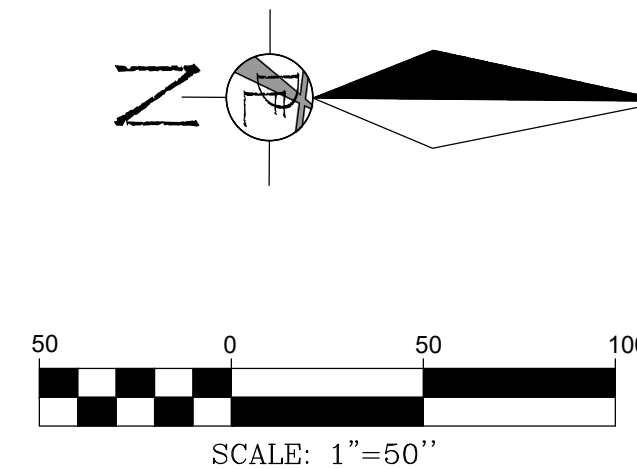
DATE	02/17/2020	SCALE	AS SHOWN
DRAWN BY:	BN	CHECKED BY:	ALF
APPROVED BY:	ALF	PROJECT NUMBER:	19002
DRAWING NUMBER	C06	TOTAL SHEETS	25
REVISION			E

Copyright © as Defied by Driven Engineering, Inc. All Rights Reserved.

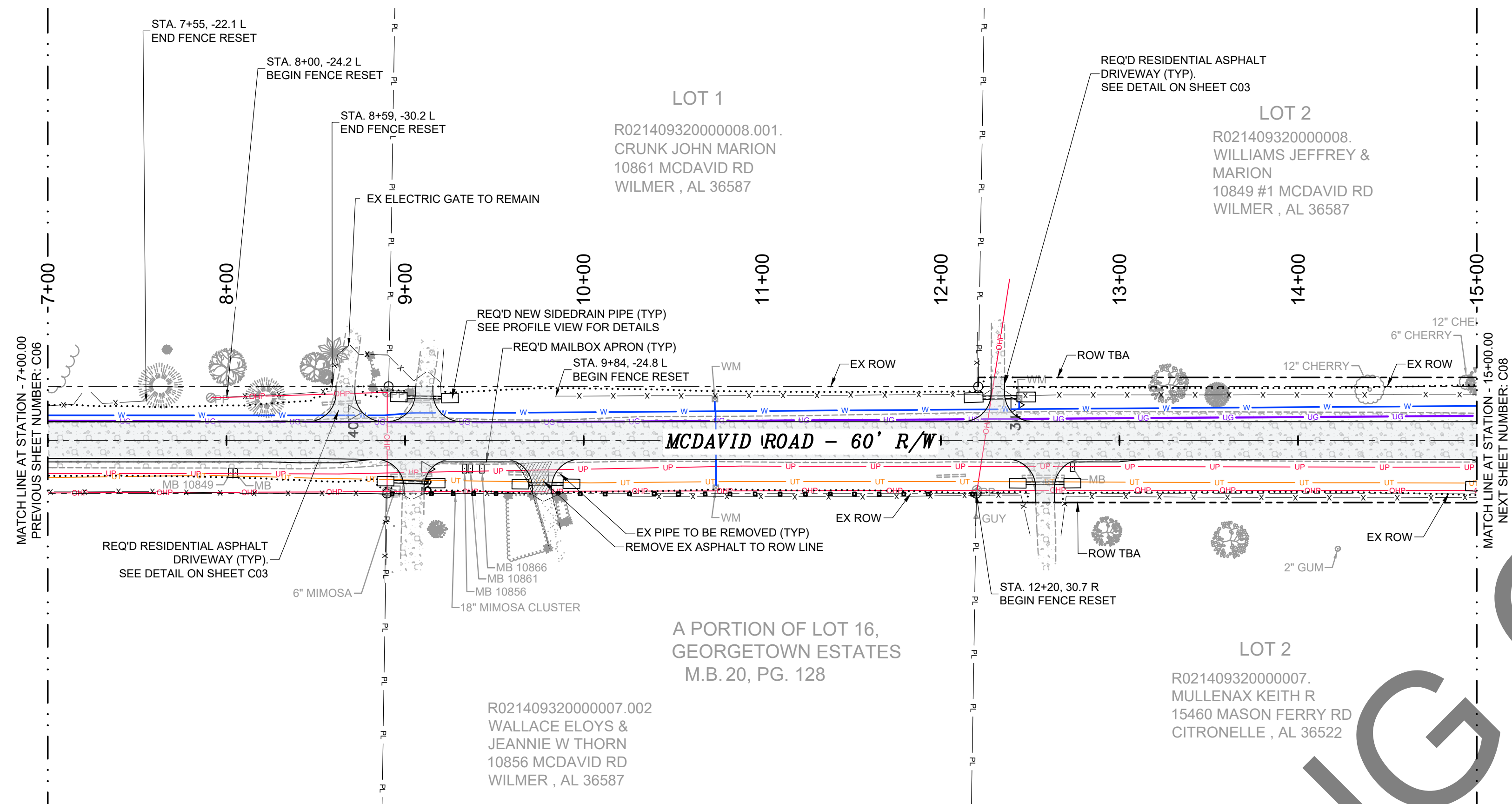
SCALES:
1" = 50' HOR
1" = 5' VER

—L—L— PROPOSED LEFT DITCH GRADE
—R—R— PROPOSED RIGHT DITCH GRADE

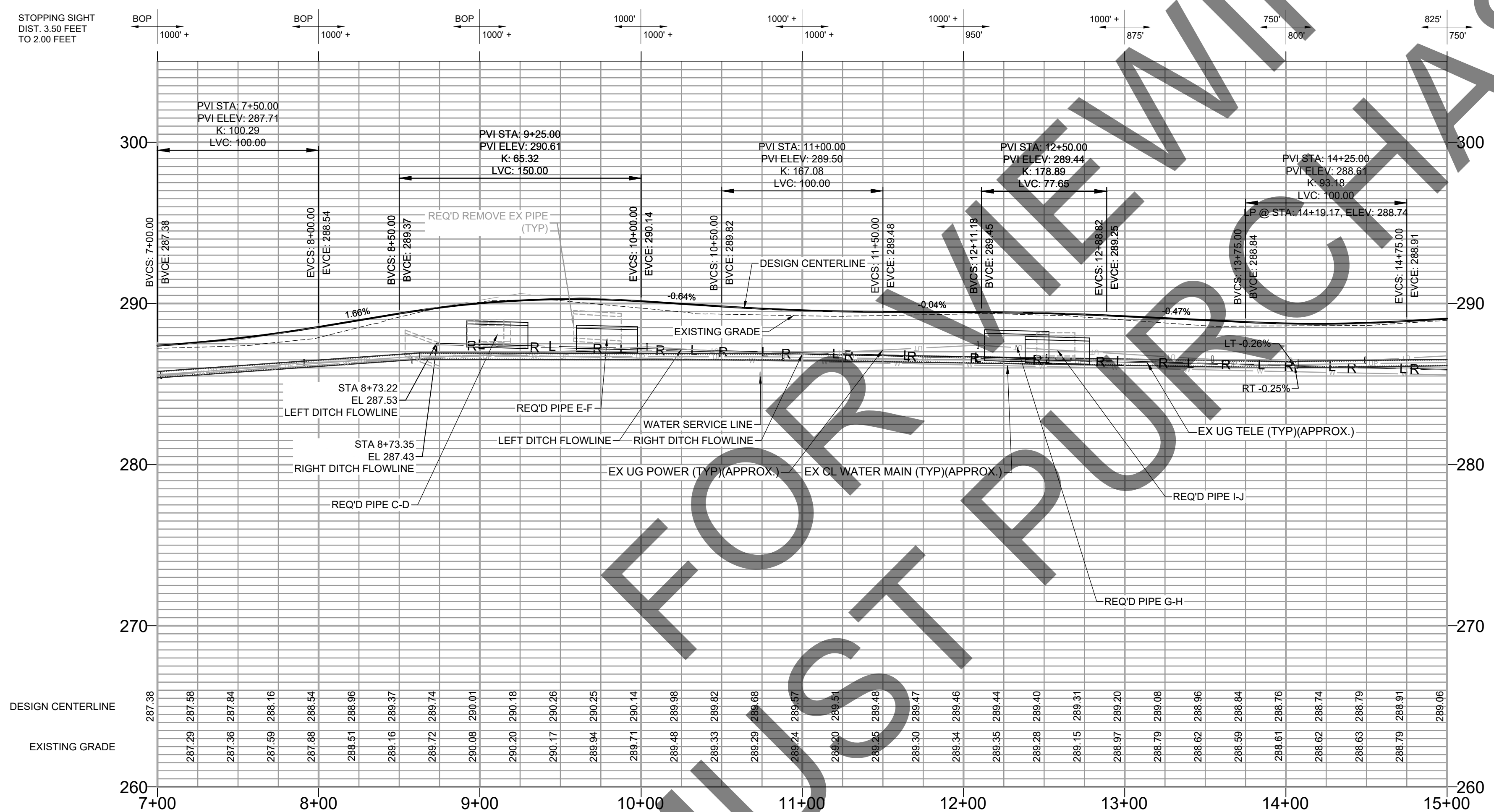
PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.



PIPES TO BE REMOVED			
SIZE	LENGTH	MATERIAL	PIPE START STATION
15 inch	21'	RCP	8+53.67, LT
15 inch	23'	RCP	9+14.91, RT
12 inch	19'	RCP	9+00.37, LT
18 inch	30'	RCP	9+58.20, RT
12 inch	16'	RCP	12+13.68, RT
15 inch	24'	RCP	12+69.10, RT



MCDAVID ROAD PROFILE



REQ'D STRUCTURES			
NAME:	DETAILS/PAY ITEM:	PIPE IN/OUT	STATION OFFSET
A	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "A-B", INV =287.40	8+84.39 22.79 R
B	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "A-B", INV =287.30	9+22.38 23.88 R
C	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "C-D", INV =287.48	8+91.80 -24.33 L
D	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "C-D", INV =287.39	9+29.78 -23.78 L
E	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "E-F", INV =287.21	9+59.89 24.47 R
F	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "E-F", INV =287.12	9+97.89 24.33 R
FFF	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "EEE-FFF", INV =285.88	14+93.80 25.52 R
G	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "G-H", INV =286.66	12+13.06 -23.82 L
H	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "G-H", INV =286.55	12+53.06 -24.30 L
I	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "I-J", INV =286.52	12+38.31 23.97 R
J	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "I-J", INV =286.42	12+78.31 23.92 R

REQ'D PIPES					
NAME	DETAILS/PAY ITEM	LENGTH	SLOPE	MATERIAL	LAYOUT INFORMATION
A-B	15" SIDE DRAIN PIPE (535-A)	38'	0.26%	RCP	MCDAVID ROAD 8+84 22.8 R AT INV =287.40 (N 334517.29, E 1718496.07) TO 9+22 23.9 R AT INV =287.30 (N 334555.27, E 1718497.09)
C-D	15" SIDE DRAIN PIPE (535-A)	38'	0.26%	RCP	MCDAVID ROAD 8+92 -24.3 L AT INV =287.48 (N 334524.62, E 1718448.94) TO 9+30 -23.8 L AT INV =287.39 (N 334562.59, E 1718449.42)
E-F	15" SIDE DRAIN PIPE (535-A)	38'	0.25%	RCP	MCDAVID ROAD 9+60 24.5 R AT INV =287.21 (N 334592.78, E 1718497.63) TO 9+98 24.3 R AT INV =287.12 (N 334630.78, E 1718497.43)
G-H	18" SIDE DRAIN PIPE (535-A)	40'	0.27%	RCP	MCDAVID ROAD 12+13 -23.8 L AT INV =286.66 (N 334845.88, E 1718448.94) TO 12+53 -24.3 L AT INV =286.55 (N 334885.88, E 1718448.39)
I-J	15" SIDE DRAIN PIPE (535-A)	40'	0.25%	RCP	MCDAVID ROAD 12+38 24.0 R AT INV =286.52 (N 334871.20, E 1718496.09) TO 12+78 23.9 R AT INV =286.42 (N 334911.20, E 1718496.57)

SCALES:
1" = 50' HOR
1" = 5' VER

— L — L — PROPOSED LEFT DITCH GRADE
— R — R — PROPOSED RIGHT DITCH GRADE

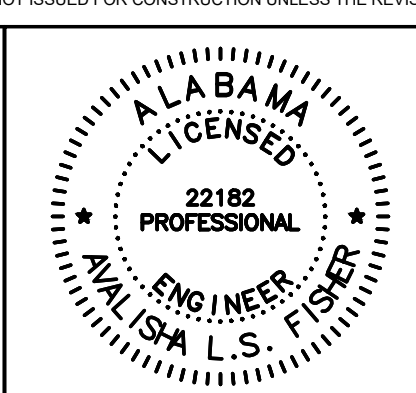
SEE SHEET C02 FOR DRAWING LEGEND

DESIGN SPEED = 30 MPH
K_v = 19 (MIN.)
K_s = 37 (MIN.)

E	09/07/2021	JGF	ALF	ALF	CLIENT:
D	04/24/2020	CJF	ALF	ALF	MOBILE COUNTY COMMISSION
C	02/28/2020	BN	ALF	ALF	MERCERIA L. LUDGOOD
B	10/30/19	BN	ALF	ALF	CONNIE HUDSON
F	08/23/2023	BRN	ALF	ALF	JERRY CARL

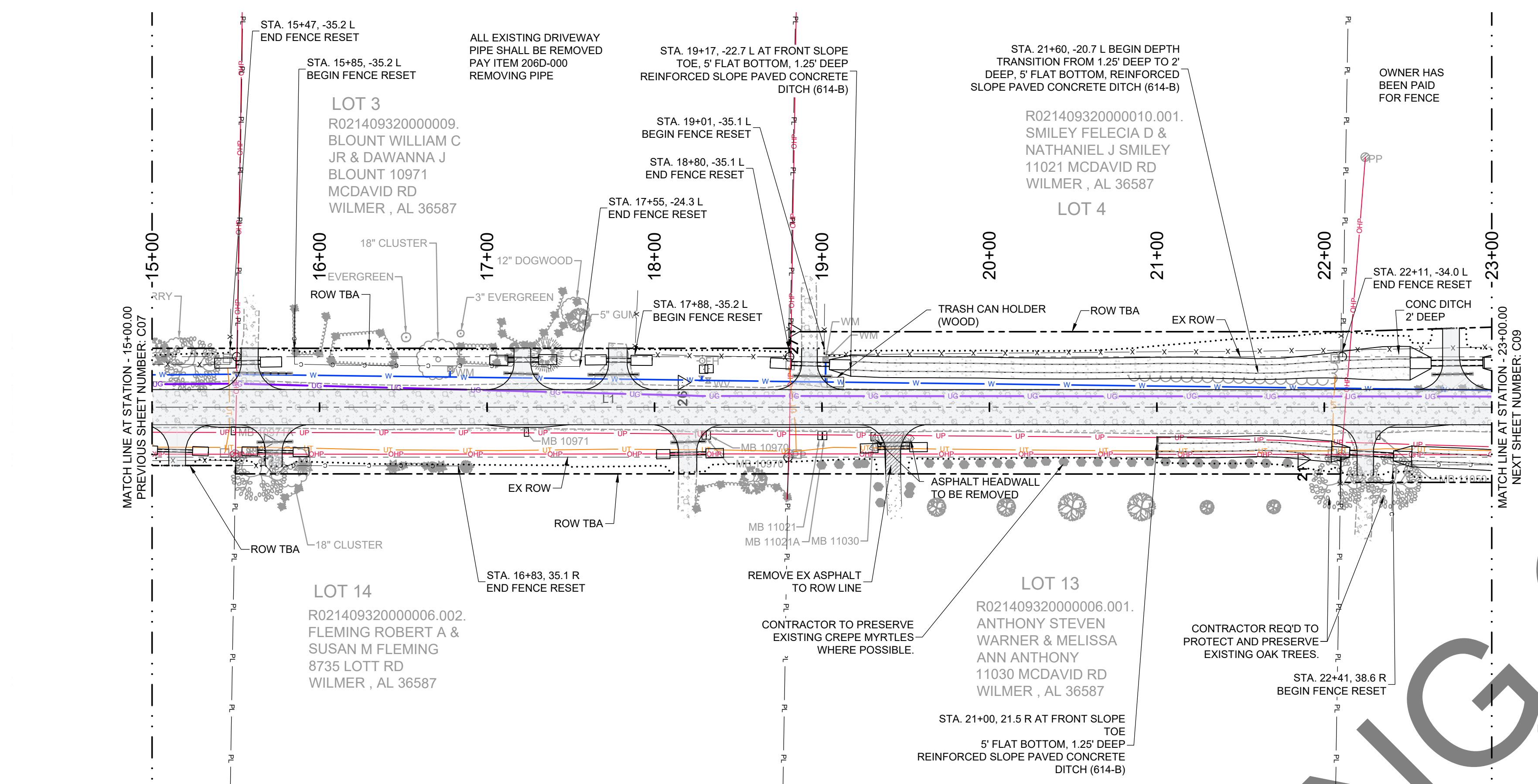
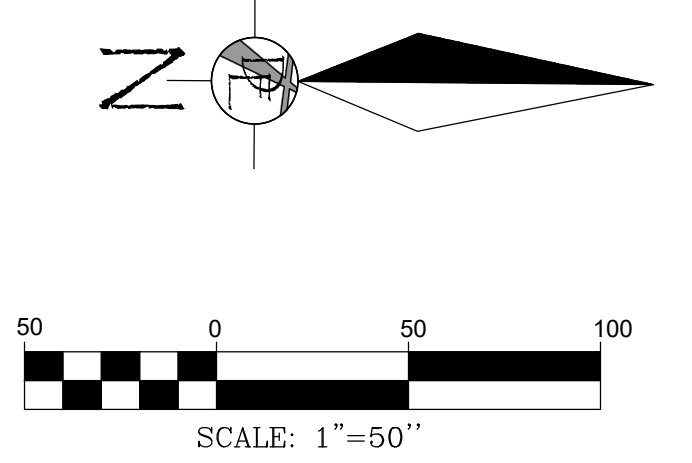
MOBILE COUNTY ALABAMA
ESTABLISHED 1821

Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575 (251) 649-4011 Office (251) 645-0971 Fax
www.driveneengineering.com

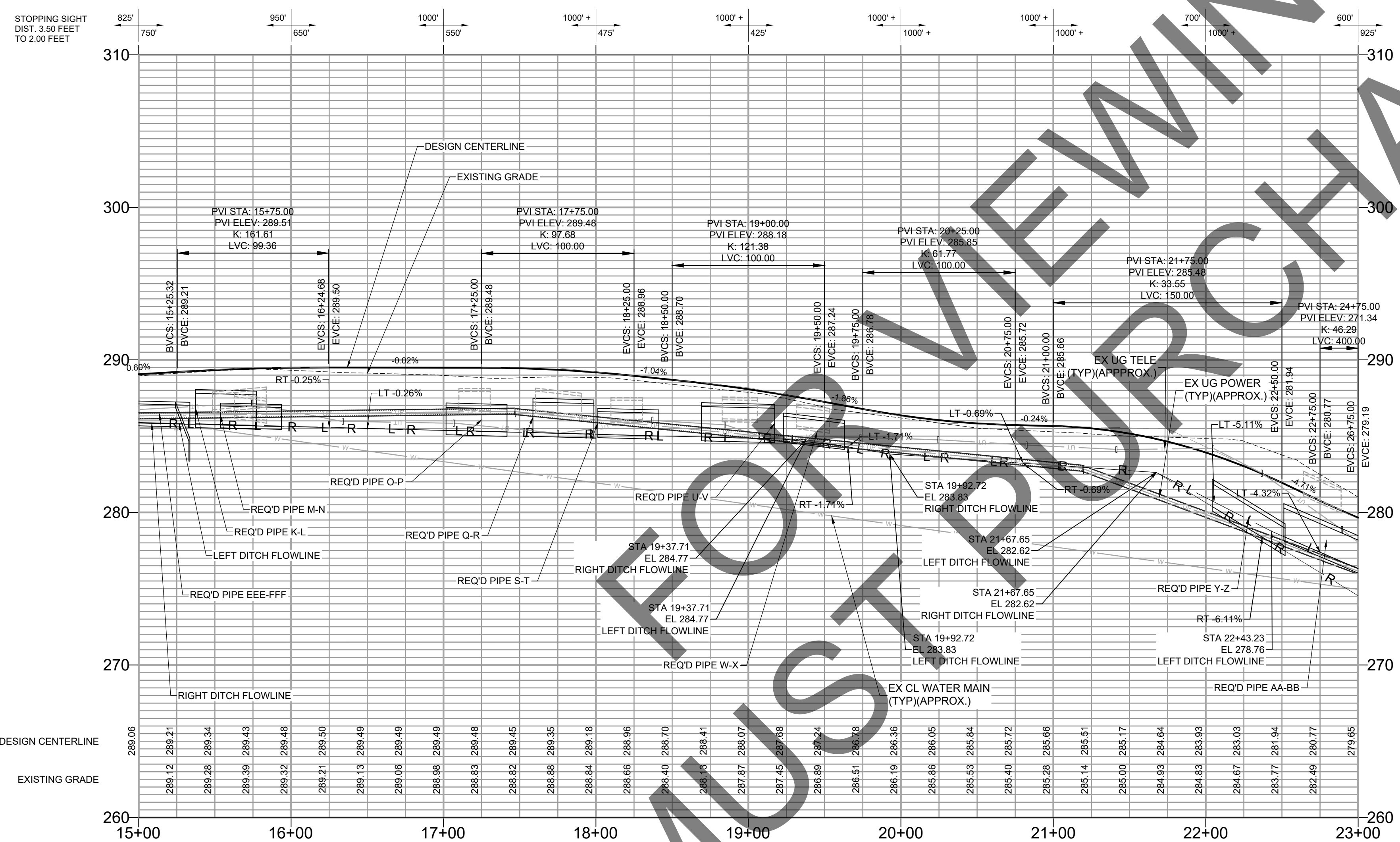


MCR-2018-204
MCDAVID ROAD
PLAN AND PROFILE
SHEET 2 OF 5

DATE: 02/17/2020 SCALE: AS SHOWN
DRAWN BY: BN CHECKED BY: ALF APPROVED BY: ALF
DRIVEN ENGINEERING PROJECT NUMBER: 19002
DRAWING NUMBER: C07 TOTAL SHEETS: 25 REVISION: E



REQ'D STRUCTURES			
NAME:	DETAILS/PAY ITEM:	PIPE IN/OUT	STATION OFFSET
AA	36" SPAN, 22" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "AA-BB", INV =278.41	22+51.26 -26.23 L
EEE	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "EEE-FFF", INV =285.78	15+33.57 26.50 R
K	24" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "K-L", INV =285.81	15+37.38 -26.25 L
L	24" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "K-L", INV =285.70	15+77.37 -27.09 L
M	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "M-N", INV =285.73	15+53.64 26.26 R
N	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "M-N", INV =285.63	15+93.64 26.80 R
O	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "O-P", INV =285.38	17+01.62 -28.11 L
P	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "O-P", INV =285.28	17+41.62 -28.45 L
Q	24" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "Q-R", INV =285.23	17+58.82 -28.17 L
R	24" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "Q-R", INV =285.13	17+98.62 -27.95 L
S	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "S-T", INV =285.11	18+01.23 28.11 R
T	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "S-T", INV =285.01	18+41.22 27.35 R
U	24" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "U-V", INV =284.95	18+69.19 -26.43 L
V	24" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "U-V", INV =284.83	19+17.18 -25.21 L
W	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "W-X", INV =284.81	19+22.93 24.66 R
X	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "W-X", INV =284.34	19+62.92 23.79 R
Y	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "Y-Z", INV =280.38	22+04.28 26.40 R
Z	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "Y-Z", INV =277.46	22+52.09 29.51 R



PIPES TO BE REMOVED			
SIZE	LENGTH	MATERIAL	PIPE START STATION
12 inch	35'	RCP	15+48.43, LT
15 inch	21'	RCP	15+83.98, RT
15 inch	21'	RCP	17+30.68, LT
15 inch	30'	RCP	17+60.33, LT
15 inch	21'	RCP	18+30.59, RT
15 inch	23'	RCP	18+82.78, LT
15 inch	21'	RCP	19+53.09, RT
15 inch	25'	RCP	22+88.83, LT

REQ'D PIPES					
NAME	DETAILS/PAY ITEM	LENGTH	SLOPE	MATERIAL	LAYOUT INFORMATION
AA-BB	36" SPAN 23" RISE SIDE DRAIN PIPE (535-B)	56'	4.32%	RCP	MCDAVID ROAD 22+51 -26.2 L AT INV =278.41 (N 335884.07, E 1718444.85) TO 23+07 -26.6 L AT INV =276.00 (N 335939.99, E 1718444.40)
EEE-FFF	15" SIDE DRAIN PIPE (535-A)	40'	0.25%	RCP	MCDAVID ROAD 15+34 26.5 R AT INV =285.78 (N 335166.47, E 1718498.74) TO 14+94 25.5 R AT INV =285.88 (N 335126.69, E 1718497.82)
K-L	24" SIDE DRAIN PIPE (535-A)	40'	0.26%	RCP	MCDAVID ROAD 15+37 -26.3 L AT INV =285.81 (N 335170.19, E 1718445.98) TO 15+77 -27.1 L AT INV =285.70 (N 335210.18, E 1718445.08)
M-N	15" SIDE DRAIN PIPE (535-A)	40'	0.25%	RCP	MCDAVID ROAD 15+54 26.3 R AT INV =285.73 (N 335186.54, E 1718498.47) TO 15+94 26.8 R AT INV =285.63 (N 335374.43, E 1718443.45)
O-P	29" SPAN 18" RISE SIDE DRAIN PIPE (535-B)	40'	0.26%	RCP	MCDAVID ROAD 17+02 -28.1 L AT INV =285.38 (N 335334.43, E 1718443.86) TO 17+42 -28.5 L AT INV =285.28 (N 335374.43, E 1718443.45)
Q-R	24" SIDE DRAIN PIPE (535-A)	40'	0.26%	RCP	MCDAVID ROAD 17+59 -29.1 L AT INV =285.23 (N 335391.43, E 1718443.71) TO 17+99 -27.9 L AT INV =285.13 (N 335431.43, E 1718443.86)
S-T	18" SIDE DRAIN PIPE (535-A)	40'	0.25%	RCP	MCDAVID ROAD 18+01 28.1 R AT INV =285.11 (N 335434.13, E 1718499.92) TO 18+41 27.4 R AT INV =285.01 (N 335474.12, E 1718499.10)
U-V	24" SIDE DRAIN PIPE (535-A)	48'	0.25%	RCP	MCDAVID ROAD 18+69 -26.4 L AT INV =284.95 (N 335502.00, E 1718445.27) TO 19+17 -25.2 L AT INV =284.83 (N 335549.99, E 1718446.41)
W-X	18" SIDE DRAIN PIPE (535-A)	40'	1.19%	RCP	MCDAVID ROAD 19+23 24.7 R AT INV =284.81 (N 335555.83, E 1718496.27) TO 19+63 23.8 R AT INV =284.34 (N 335595.81, E 1718495.34)
Y-Z	29" SPAN 18" RISE SIDE DRAIN PIPE (535-B)	48'	6.10%	RCP	MCDAVID ROAD 22+04 26.4 R AT INV =280.38 (N 335837.18, E 1718497.56) TO 22+52 29.5 R AT INV =277.46 (N 335884.99, E 1718500.60)

SCALES:
1" = 50' HOR
1" = 5' VER

SEE SHEET 002 FOR DRAWING LEGEND

DESIGN SPEED = 30 MPH
K_v = 19 (MIN.)
K_s = 37 (MIN.)

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRN	ALF	ALF	ISSUED FOR BIDS

MOBILE COUNTY COMMISSION

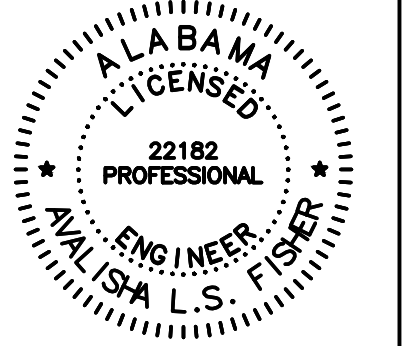
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL

Driven Engineering, Inc.

8005 Morris Hill Road Semmes, AL 36575

(251) 649-4011 Office
(251) 645-0971 Fax

www.driveneengineering.com



MCR-2018-204
MCDAVID ROAD
PLAN AND PROFILE
SHEET 3 OF 5

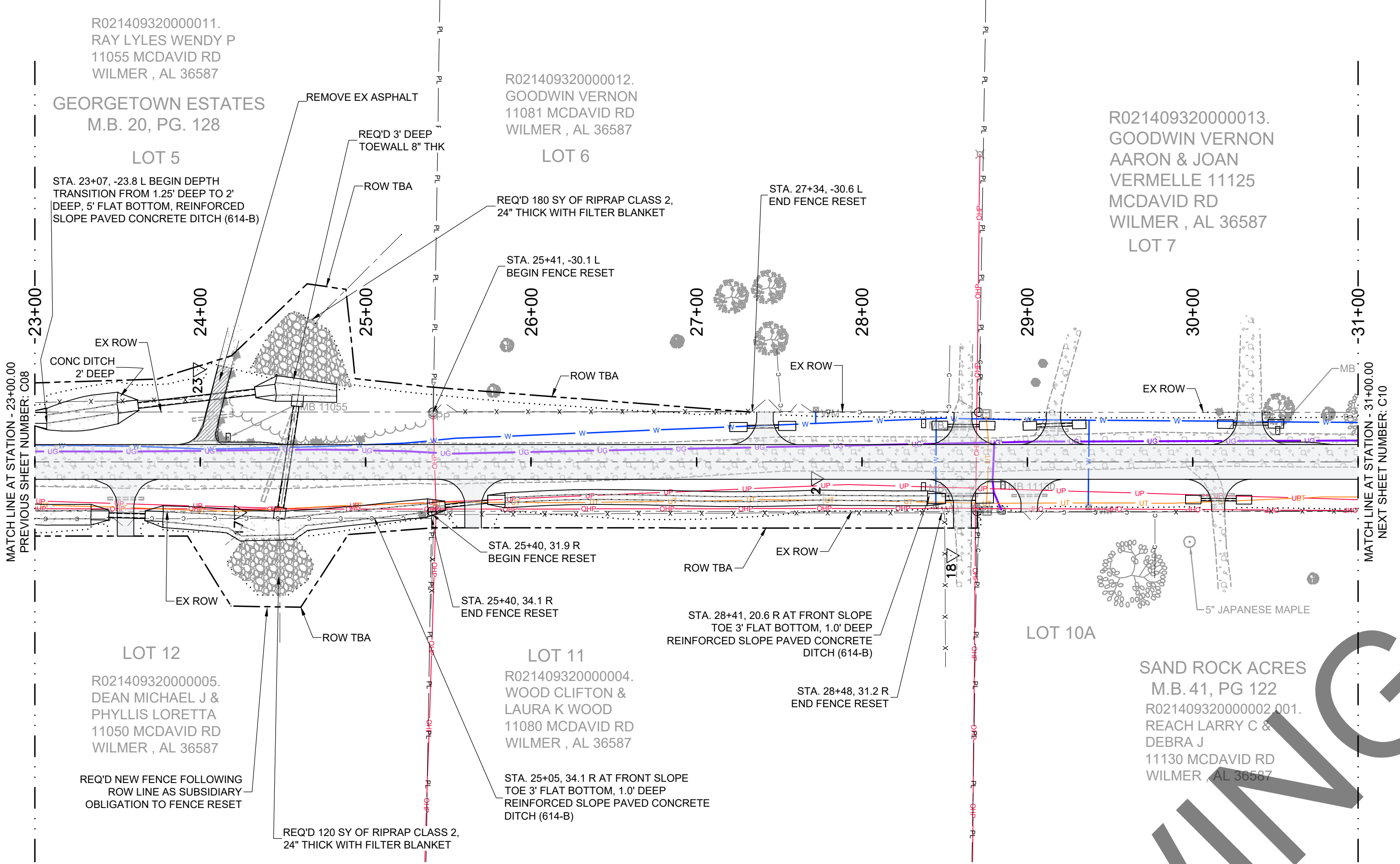
DATE: 02/17/2020 SCALE: AS SHOWN

DRAWN BY: BN CHECKED BY: ALF APPROVED BY: ALF

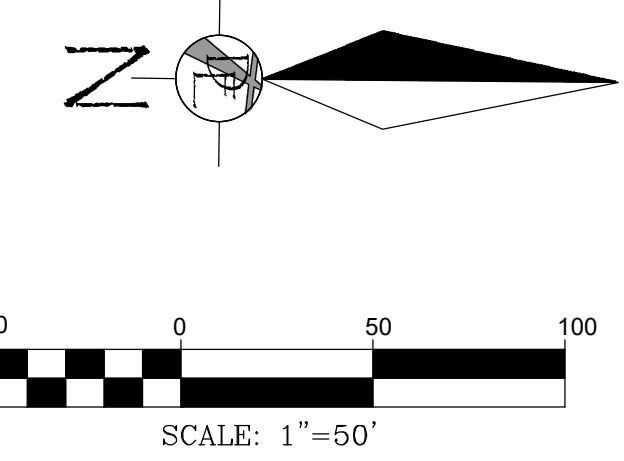
DRIVEN ENGINEERING PROJECT NUMBER: 19002

DRAWING NUMBER: C08 TOTAL SHEETS: 25 REVISION: E

Copyright © as Detail by Driven Engineering, Inc. All Rights Reserved.

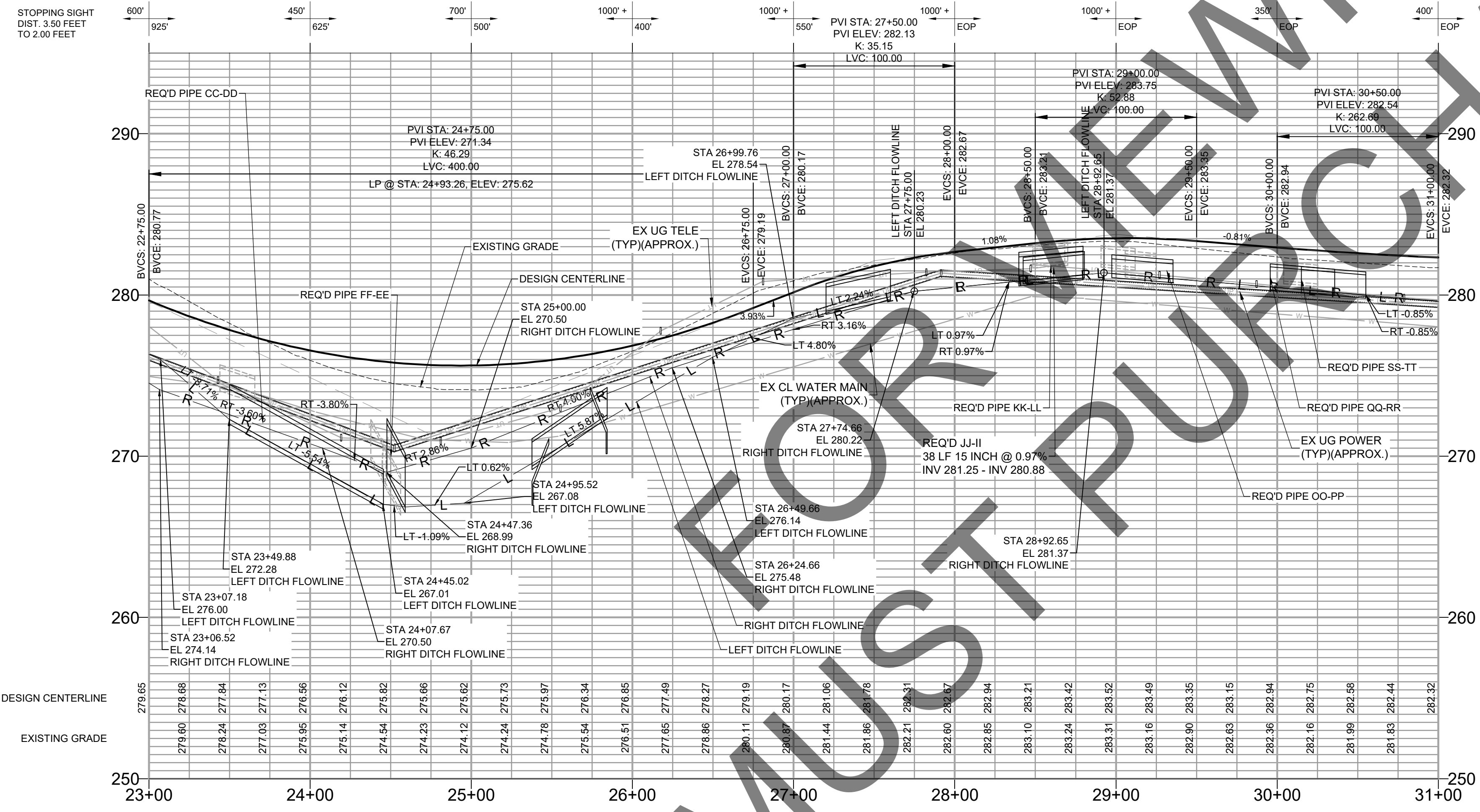


SIZE	LENGTH	MATERIAL	PIPE START STATION
24 inch	56'	RCP	24+56.13, LT
15 inch	22'	RCP	23+44.08, RT
18 inch	24'	RCP	24+19.60, LT
12 inch	19'	RCP	28+68.21, LT
18 x 11 inch Arch	22'	RCP	28+48.46, RT
12 inch	21'	RCP	29+11.83, RT
15 inch	19'	RCP	29+05.82, LT
12 inch	21'	RCP	30+04.07, RT



NAME	DETAILS/PAY ITEM	LENGTH	SLOPE	MATERIAL	LAYOUT INFORMATION
CC-DD	36" SPAN 23" RISE SIDE DRAIN PIPE (535-B)	96'	5.49%	RCP	MCDAVID ROAD 23+50 - 32.7 L AT INV = 272.28 (N 335982.87, E 1718438.23) TO 24+46 - 43.7 L AT INV = 267.01 (N 336078.31, E 1718427.04)
FF-EE	36" ROADWAY PIPE (530-A)	76'	2.83%	RCP	MCDAVID ROAD 24+48 34.2 R AT INV = 268.99 (N 336080.55, E 1718505.02) TO 24+59 - 40.4 L AT INV = 266.86 (N 336091.84, E 1718430.34)
GGG-HHH	18" SIDE DRAIN PIPE (535-A)	47'	6.80%	RCP	MCDAVID ROAD 25+94 22.9 R AT INV = 272.56 (N 336217.22, E 1718493.48) TO 25+38 27.7 R AT INV = 269.37 (N 336170.53, E 1718498.33)
JJ-II	15" SIDE DRAIN PIPE (535-A)	38'	0.97%	RCP	MCDAVID ROAD 28+80 21.9 R AT INV = 281.23 (N 336513.25, E 1718448.19) TO 28+42 - 22.0 L AT INV = 280.88 (N 336475.26, E 1718448.15)
KK-LL	29" SPAN 18" RISE SIDE DRAIN PIPE (535-B)	40'	0.93%	RCP	MCDAVID ROAD 28+80 21.9 R AT INV = 281.23 (N 336512.45, E 1718491.93) TO 28+40 22.1 R AT INV = 280.86 (N 336472.65, E 1718492.27)
OO-PP	18" SPAN 11" RISE SIDE DRAIN PIPE (535-B)	38'	0.85%	RCP	MCDAVID ROAD 29+97 - 21.7 L AT INV = 281.33 (N 336530.28, E 1718448.30) TO 29+35 - 22.8 L AT INV = 281.01 (N 336568.27, E 1718447.17)
QQ-RR	15" SIDE DRAIN PIPE (535-A)	40'	0.84%	RCP	MCDAVID ROAD 29+96 22.7 R AT INV = 280.49 (N 336628.59, E 1718492.61) TO 30+36 22.8 R AT INV = 280.16 (N 336668.59, E 1718492.65)
SS-TT	15" SIDE DRAIN PIPE (535-A)	40'	0.85%	RCP	MCDAVID ROAD 30+15 - 22.9 L AT INV = 280.33 (N 336647.91, E 1718446.97) TO 30+55 - 23.0 L AT INV = 279.99 (N 336687.91, E 1718446.81)

NAME:	DETAILS/PAY ITEM:	PIPE IN/OUT	STATION OFFSET
BB	36" SPAN, 22" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "AA-BB", INV = 276.00	23+07.18 -26.59 L
CC	36" SPAN, 22" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "CC-DD", INV = 272.28	23+50.06 -32.70 L
DD	36" SPAN, 22" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "CC-DD", INV = 267.01	24+45.53 -43.73 L
EE	36" ROADWAY PIPE END TREATMENT 3:1 SLOPE (619-A)	PIPE "FF-EE", INV = 266.86	24+59.05 -40.42 L
FF	36" ROADWAY PIPE END TREATMENT 3:1 SLOPE (619-A)	PIPE "FF-EE", INV = 268.99	24+47.64 34.25 R
GG	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "HH-GG", INV = 279.00	27+20.16 -21.02 L
GGG	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "GGG-HHH", INV = 272.56	25+84.33 22.93 R
HH	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "HH-GG", INV = 279.89	27+60.03 -21.68 L
HHH	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "GGG-HHH", INV = 269.37	25+37.63 27.71 R
II	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "JJ-II", INV = 280.88	28+42.44 -21.99 L
JJ	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "JJ-II", INV = 281.25	28+80.43 -21.88 L
KK	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "KK-LL", INV = 280.86	28+39.76 22.13 R
LL	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "KK-LL", INV = 281.23	28+79.56 21.85 R
OO	18" SPAN, 11" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "OO-PP", INV = 281.33	28+97.46 -21.75 L
PP	18" SPAN, 11" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "OO-PP", INV = 281.01	29+35.45 -22.81 L
QQ	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "QQ-RR", INV = 280.49	29+95.70 22.72 R
RR	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "QQ-RR", INV = 280.16	30+35.70 22.82 R
SS	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "SS-TT", INV = 280.33	30+15.10 -22.89 L
TT	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "SS-TT", INV = 279.99	30+55.10 -22.99 L



STOPPING SIGHT DIST. 3.50 FEET TO 2.00 FEET

DESIGN SPEED = 30 MPH
K_v = 19 (MIN.)
K_v = 37 (MIN.)

SEE SHEET C11 FOR DRAINAGE SECTION

SEE SHEET C02 FOR DRAWING LEGEND

SCALE: 1" = 50' HOR
1" = 5' VER

PROPOSED LEFT DITCH GRADE
PROPOSED RIGHT DITCH GRADE

E	09/07/2021	JGF	ALF	ALF	CLIENT:
D	04/24/2020	CJF	ALF	ALF	MOBILE COUNTY COMMISSION
C	02/28/2020	BN	ALF	ALF	MERCERIA L. LUDGOOD
B	10/30/19	BN	ALF	ALF	CONNIE HUDSON
F	08/23/2023	BRH	ALF	ALF	JERRY CARL

MOBILE COUNTY ALABAMA
ESTABLISHED 1821

Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.driveneengineering.com

ALABAMA LICENSED PROFESSIONAL ENGINEER
22182
WILKINSON L.S. FISHER

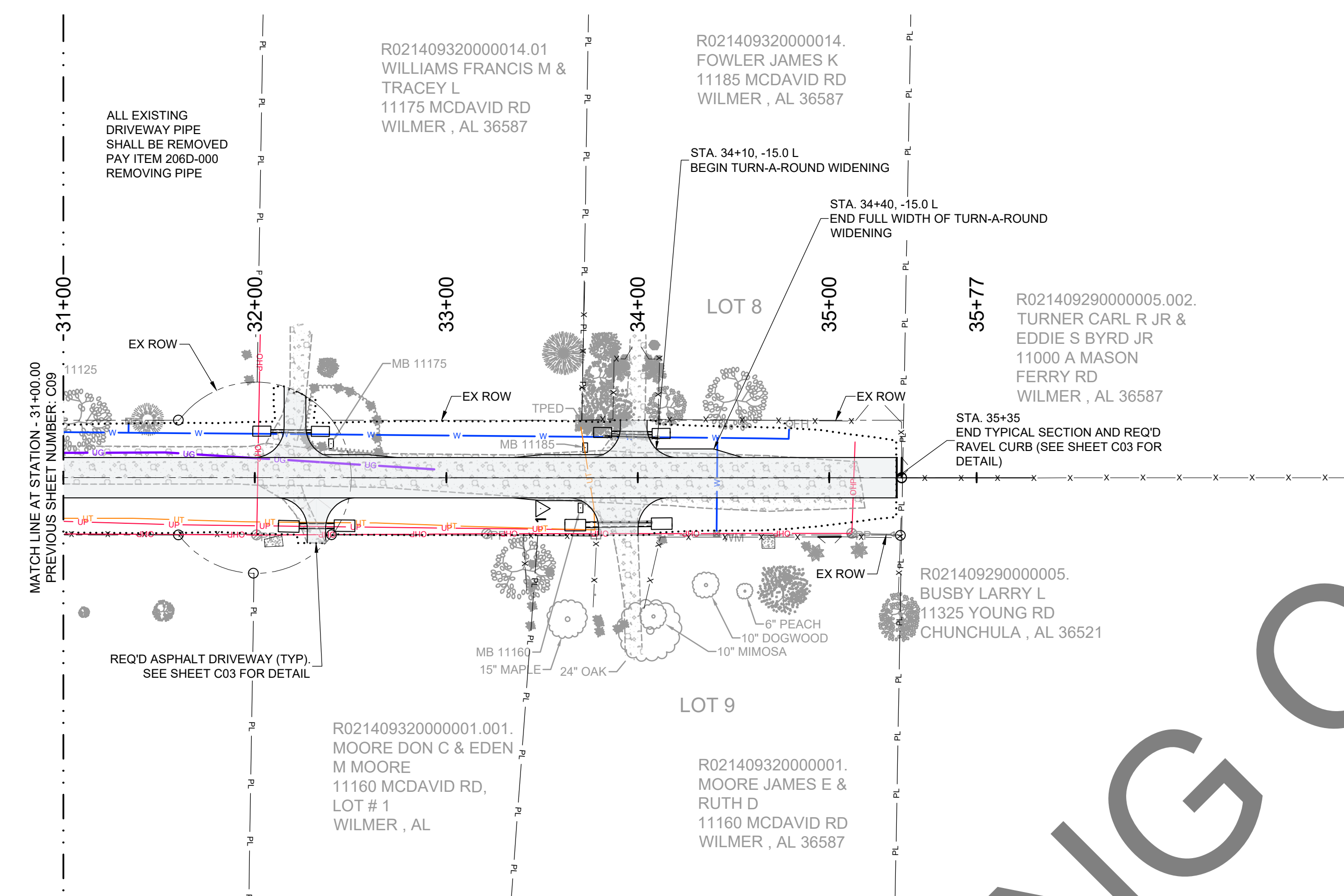
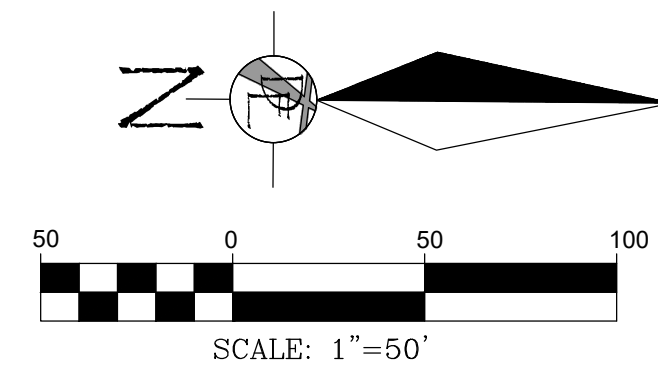
MCR-2018-204
MCDAVID ROAD
PLAN AND PROFILE
SHEET 4 OF 5

DATE: 02/17/2020 SCALE: AS SHOWN

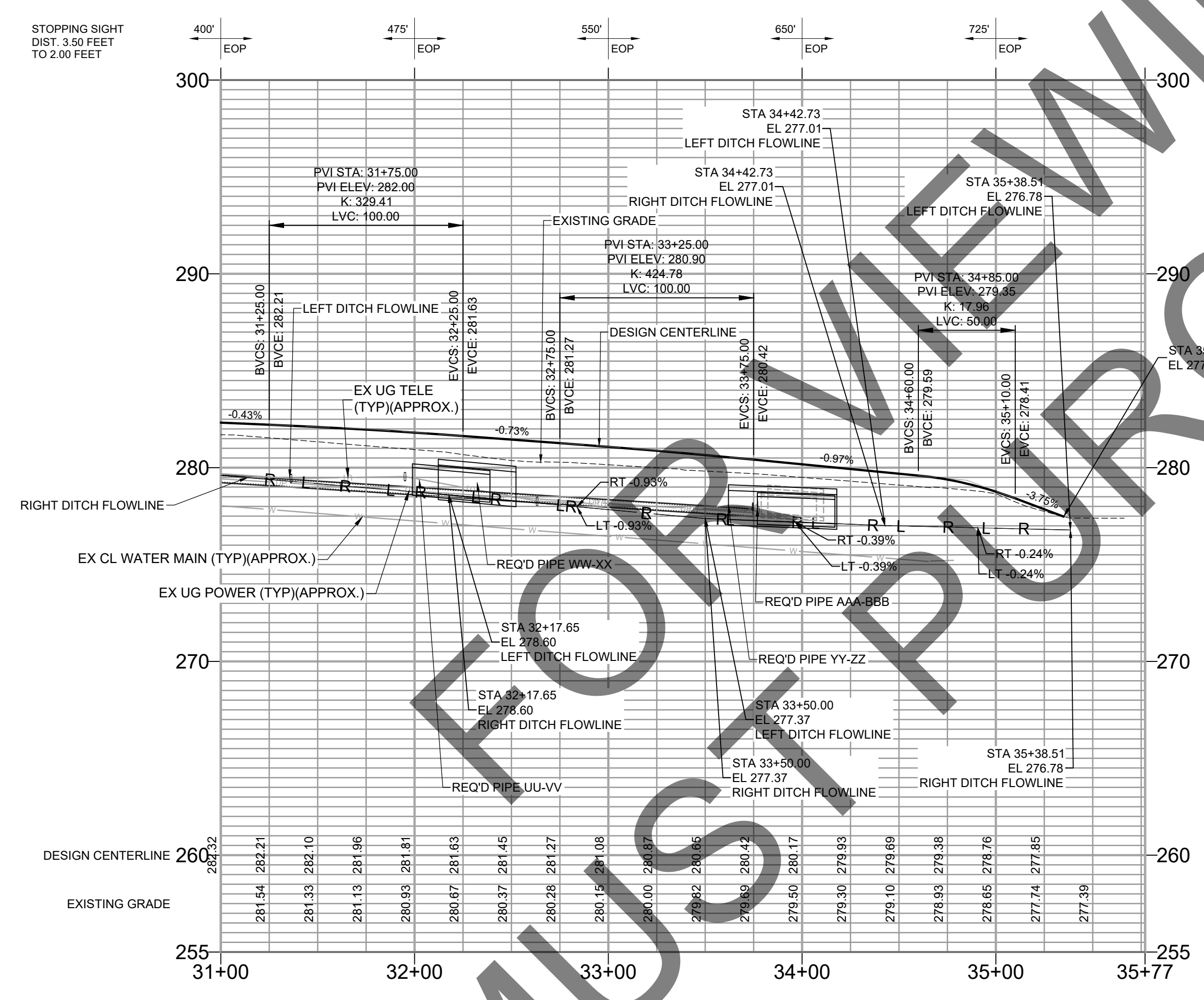
DRAWN BY: BN, ALF, ALF CHECKED BY: BN, ALF, ALF

DRAWING NUMBER: 19002

DRAWING NUMBER: C09 TOTAL SHEETS: 25 REVISION: E



REQ'D STRUCTURES			
NAME:	DETAILS/PAY ITEM:	PIPE IN/OUT	STATION OFFSET
AAA	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "AAA-BBB", INV =277.27	33+76.93 -23.66 L
BBB	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "AAA-BBB", INV =277.11	34+16.93 -23.15 L
UU	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "UU-VV", INV =278.76	31+98.92 -24.36 L
VV	15" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)	PIPE "UU-VV", INV =278.40	32+38.93 -24.18 L
WW	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "WW-XX", INV =278.64	32+12.28 25.24 R
XX	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "WW-XX", INV =278.28	32+52.28 25.17 R
YY	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "YY-ZZ", INV =277.32	33+61.94 24.79 R
ZZ	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B)	PIPE "YY-ZZ", INV =277.11	34+17.92 23.92 R



REQ'D PIPES					
NAME	DETAILS/PAY ITEM	LENGTH	SLOPE	MATERIAL	LAYOUT INFORMATION
AAA-BBB	15" SIDE DRAIN PIPE (535-A)	40'	0.39%	RCP	MCDAVID ROAD 33+77 -23.7 L AT INV =277.27 (N 337009.75, E 1718445.62) TO 34+17 -23.1 L AT INV =277.11 (N 337049.75, E 1718446.06)
UU-VV	15" SIDE DRAIN PIPE (535-A)	40'	0.89%	RCP	MCDAVID ROAD 31+99 -24.4 L AT INV =278.76 (N 336831.74, E 1718445.20) TO 32+39 -24.2 L AT INV =278.40 (N 336871.75, E 1718445.32)
WW-XX	29" SPAN 18" RISE SIDE DRAIN PIPE (535-B)	40'	0.92%	RCP	MCDAVID ROAD 32+12 25.2 R AT INV =278.64 (N 336845.17, E 1718494.78) TO 32+52 25.2 R AT INV =278.28 (N 336885.17, E 1718494.65)
YY-ZZ	29" SPAN 18" RISE SIDE DRAIN PIPE (535-B)	56'	0.39%	RCP	MCDAVID ROAD 33+62 24.8 R AT INV =277.32 (N 336994.84, E 1718494.09) TO 34+18 23.9 R AT INV =277.11 (N 337050.81, E 1718493.13)

PIPES TO BE REMOVED			
SIZE	LENGTH	MATERIAL	PIPE START STATION
12 inch	29'	RCP	34+07.43, RT
15 inch	29'	RCP	34+11.09, LT

SCALES:
1" = 50' HOR
1" = 5' VER

—L—L— PROPOSED LEFT DITCH GRADE
—R—R— PROPOSED RIGHT DITCH GRADE

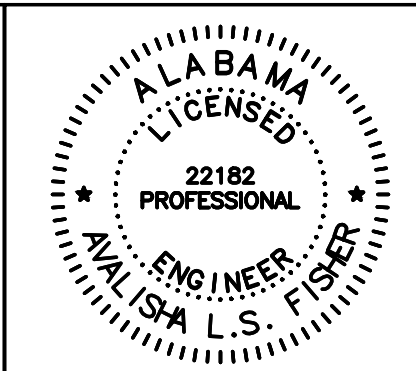
SEE SHEET C02 FOR DRAWING LEGEND

DESIGN SPEED = 30 MPH
K_v = 19 (MIN.)
K_s = 37 (MIN.)

E	09/07/2021	JGF	ALF	ALF	CLIENT:
D	04/24/2020	CJF	ALF	ALF	MOBILE COUNTY COMMISSION
C	02/28/2020	BN	ALF	ALF	MERCERIA L. LUDGOOD
B	10/30/19	BN	ALF	ALF	CONNIE HUDSON
F	08/23/2023	BRN	ALF	ALF	JERRY CARL

MOBILE COUNTY ALABAMA
ESTABLISHED 1821

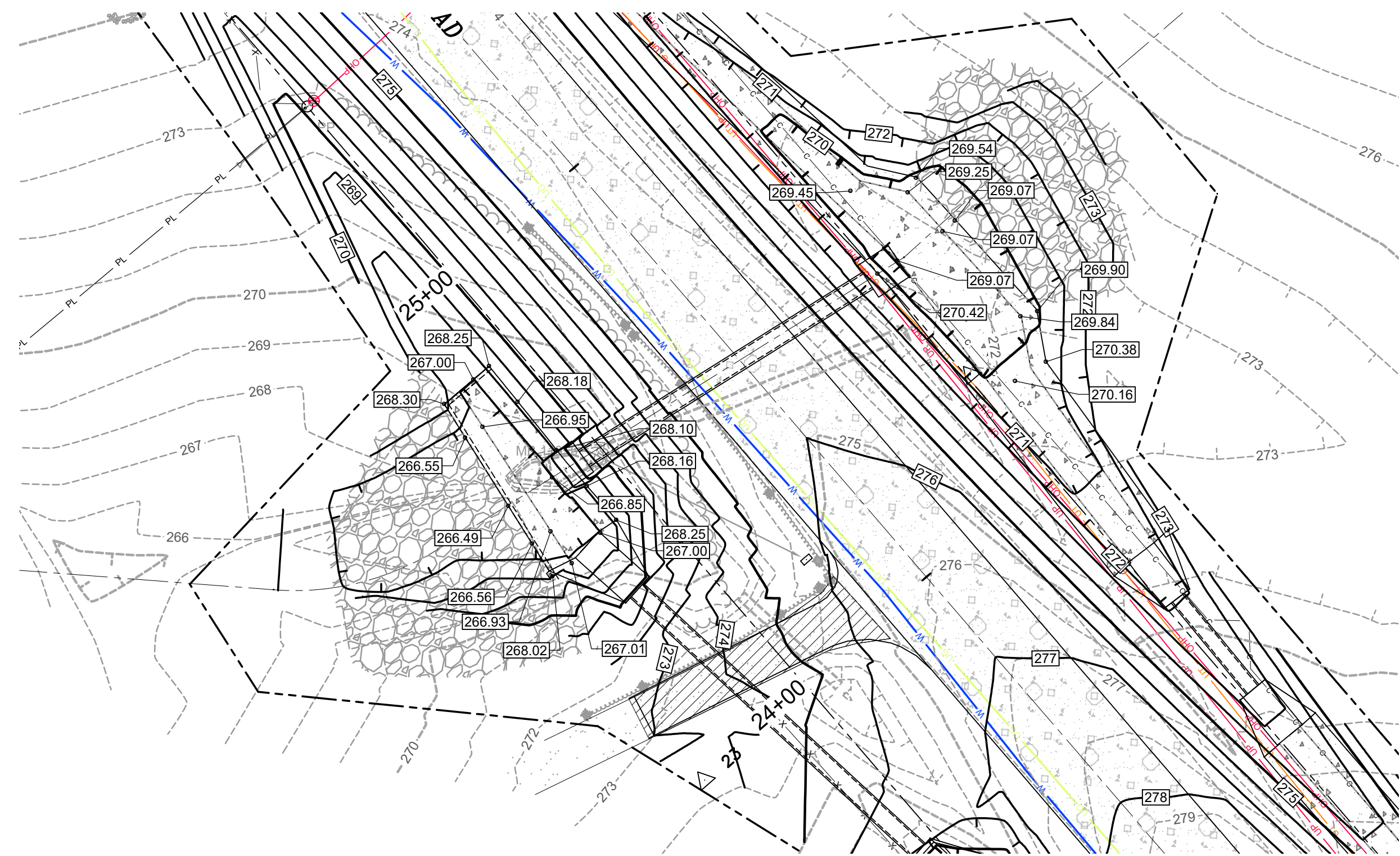
Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575 (251) 649-4011 Office (251) 645-0971 Fax
www.driveneengineering.com



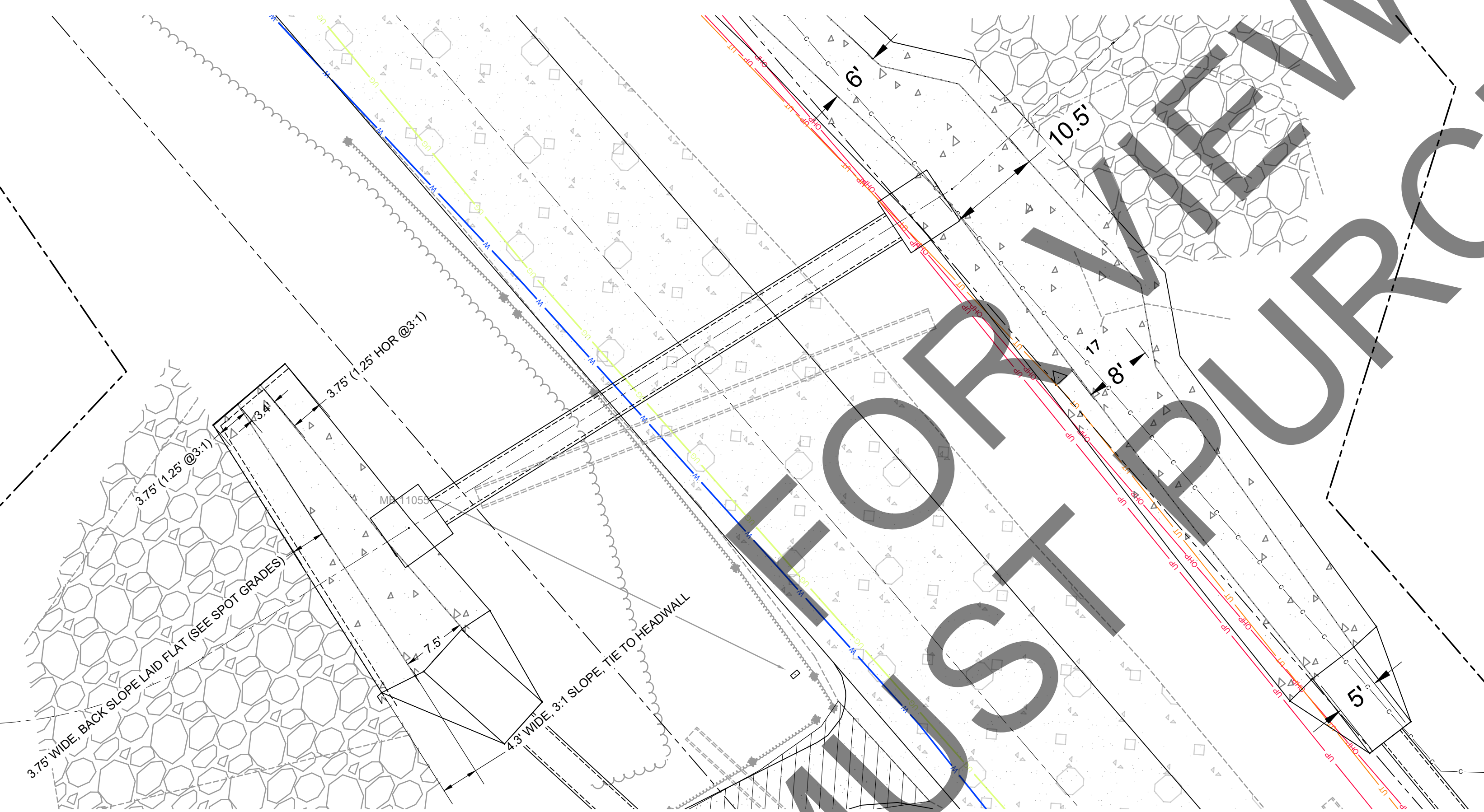
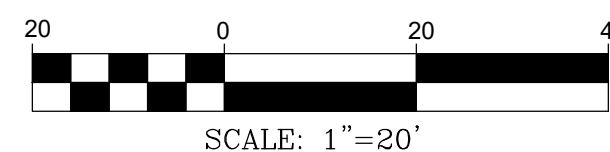
TITLE: MCR-2018-204
MCDAVID ROAD
PLAN AND PROFILE
SHEET 5 OF 5

DATE: 02/17/2020 SCALE: AS SHOWN
DRAWN BY: BN CHECKED BY: ALF APPROVED BY: ALF
DRIVEN ENGINEERING PROJECT NUMBER: 19002
DRAWING NUMBER: C10 TOTAL SHEETS: 25 REVISION: E

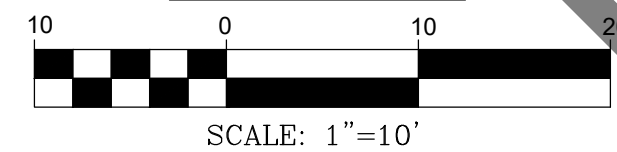
Copyright © as Deed by Driven Engineering, Inc. All Rights Reserved.



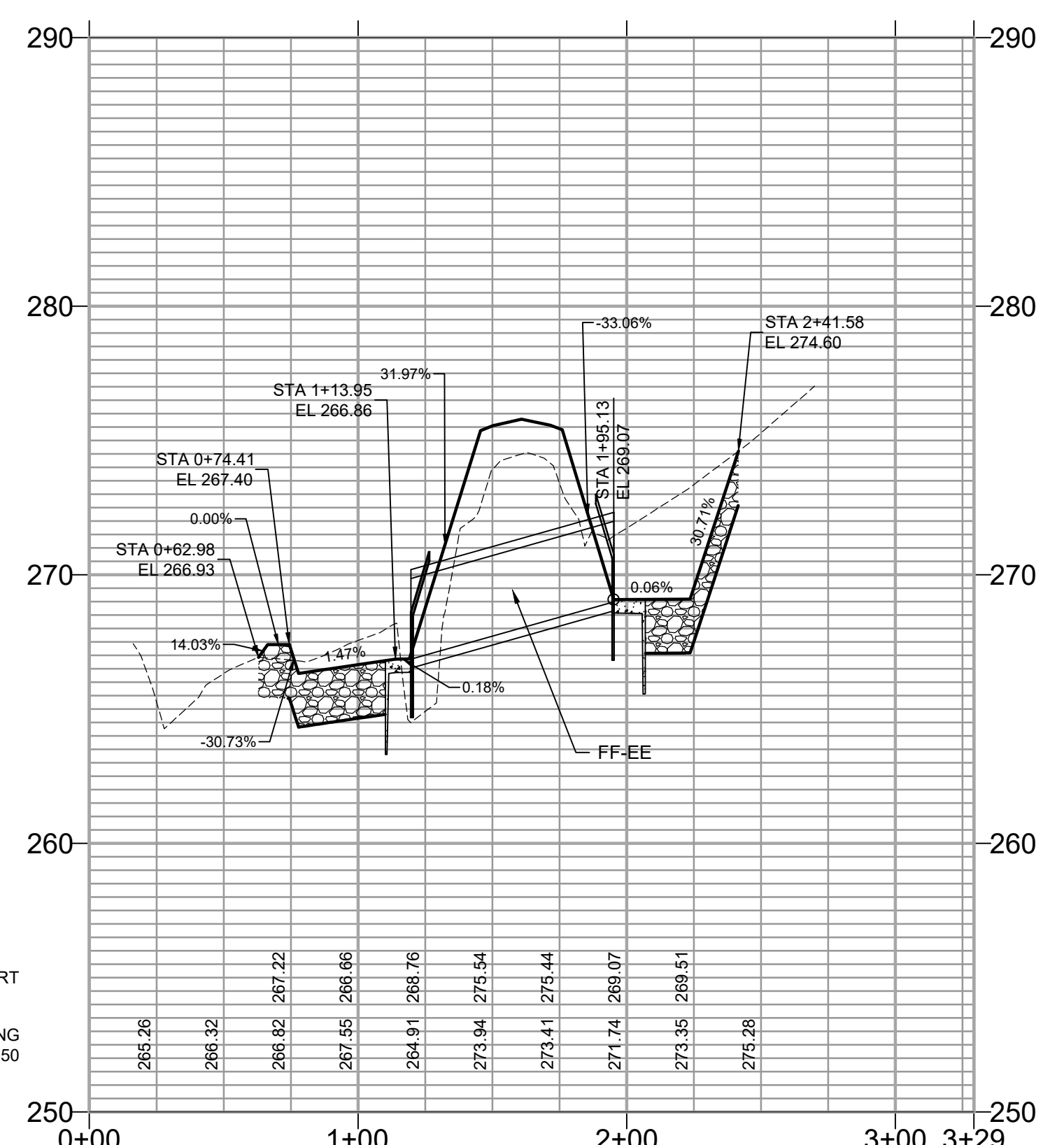
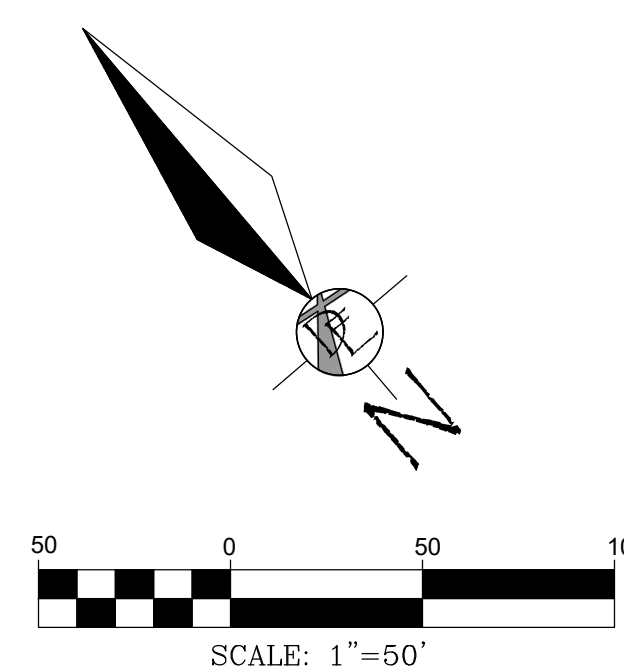
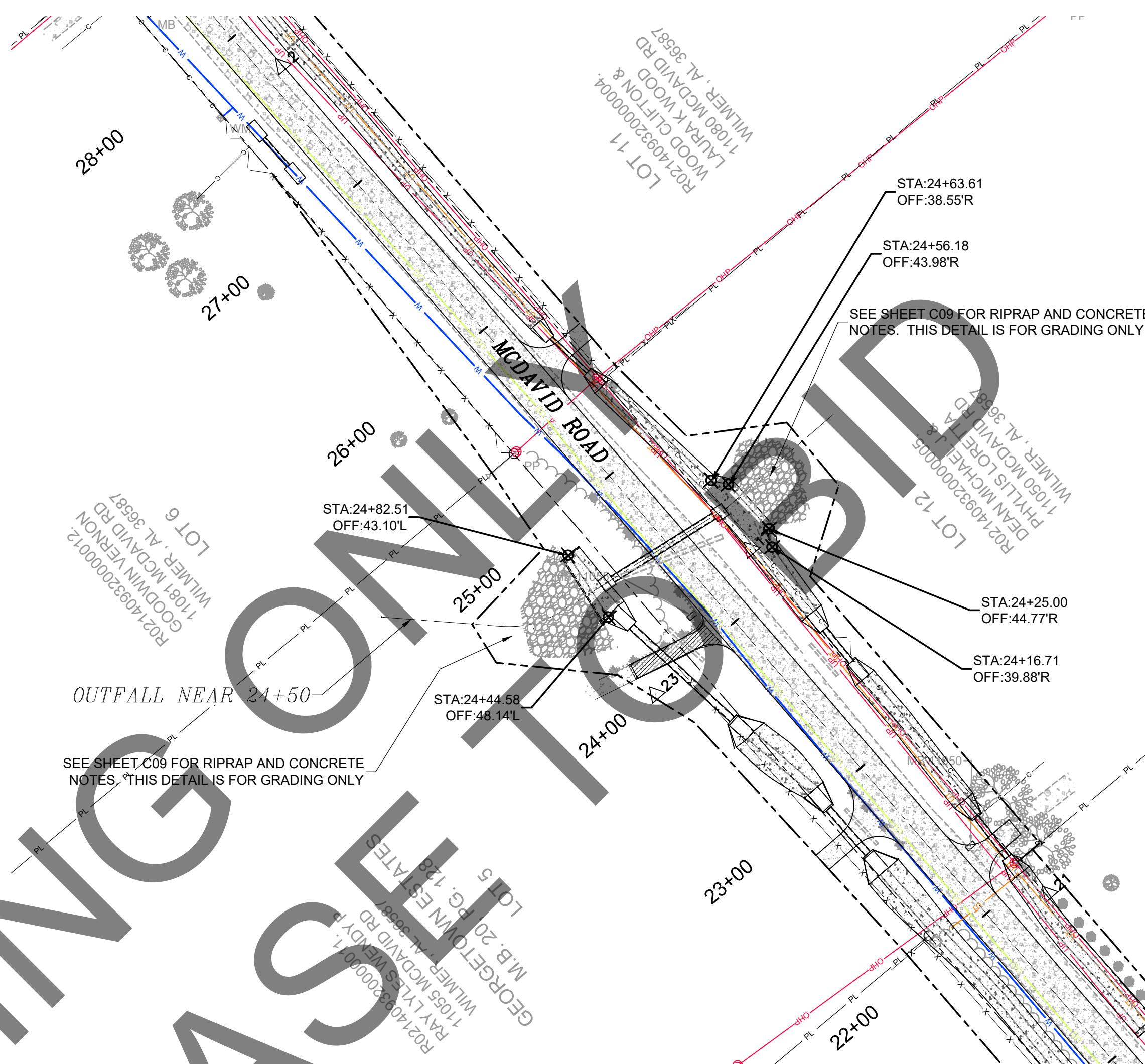
GRADING DETAIL



IRREGULAR CONCRETE DITCH DETAILS



PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL
PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERICAL



E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRN	ALF	ALF	ISSUED FOR BIDS

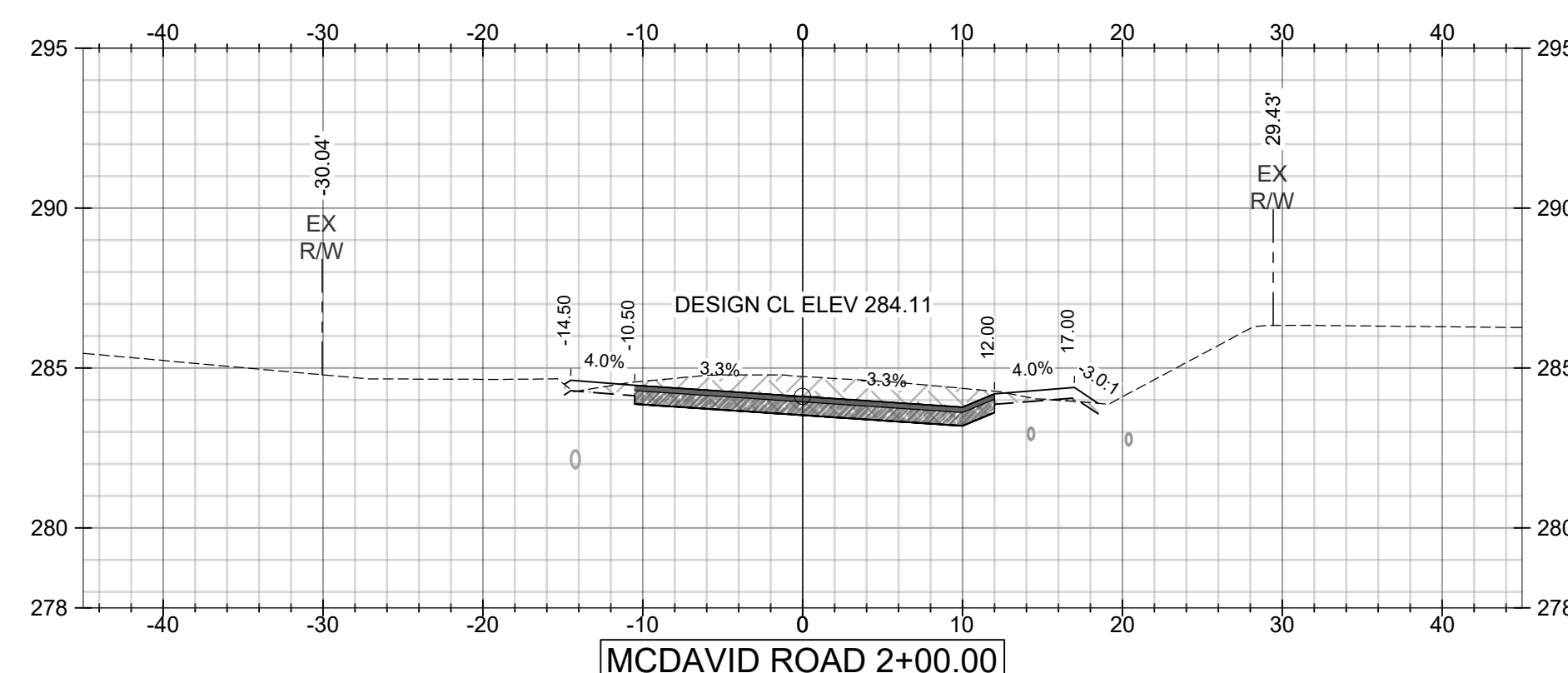
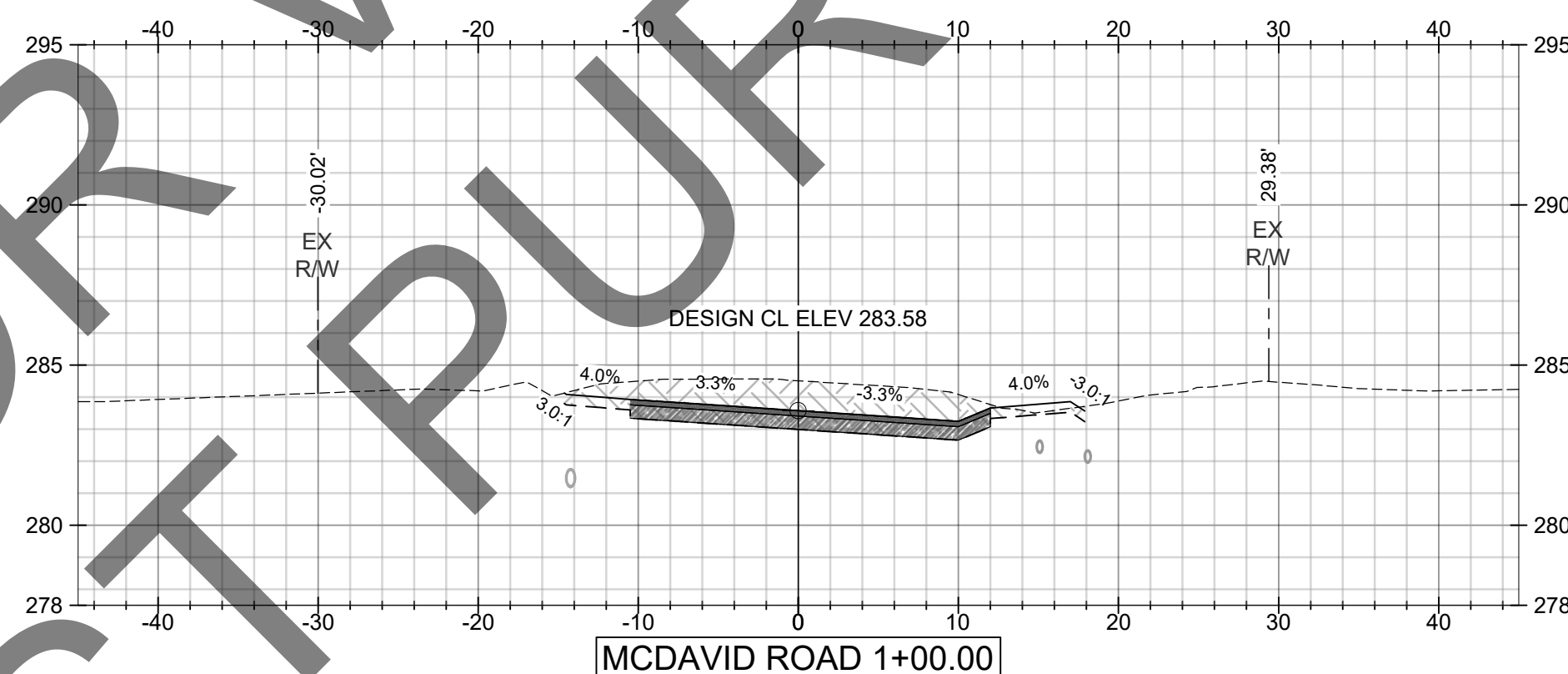
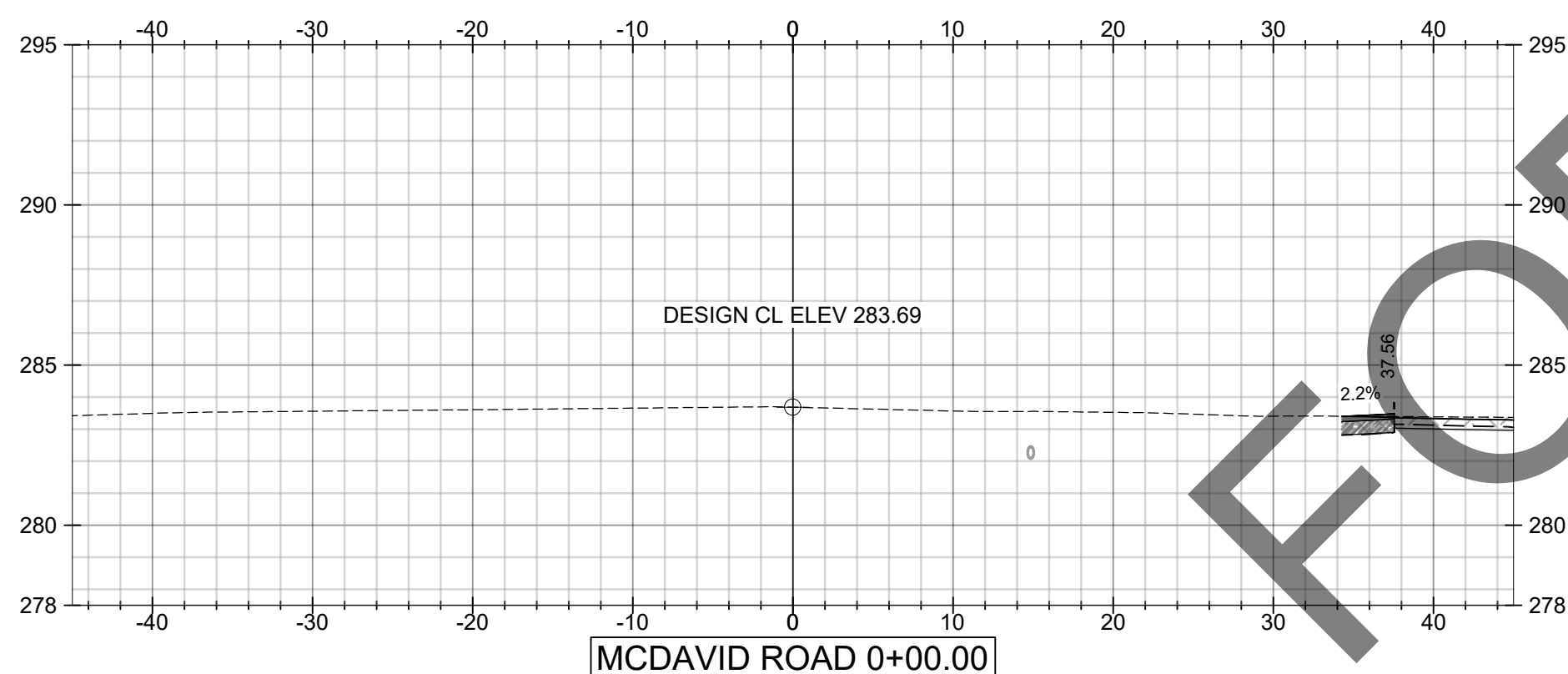
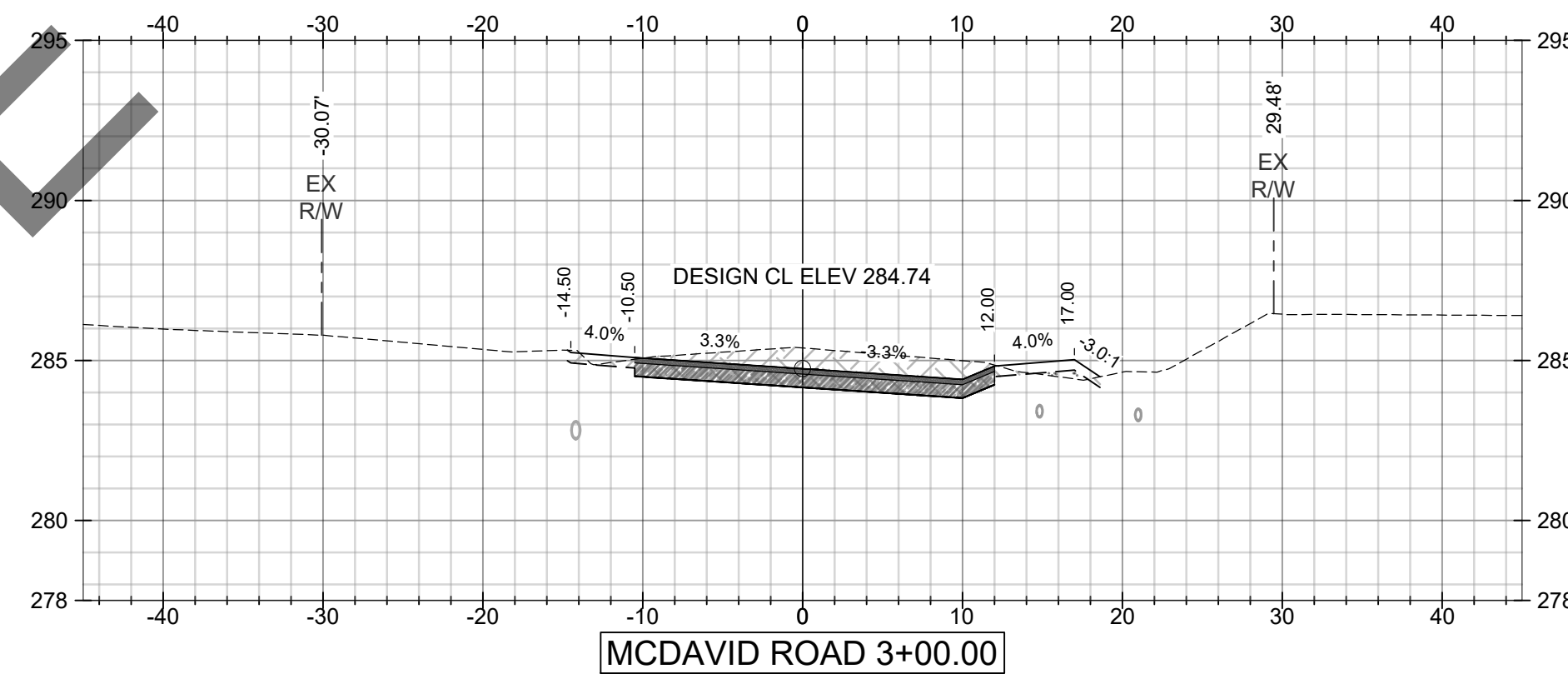
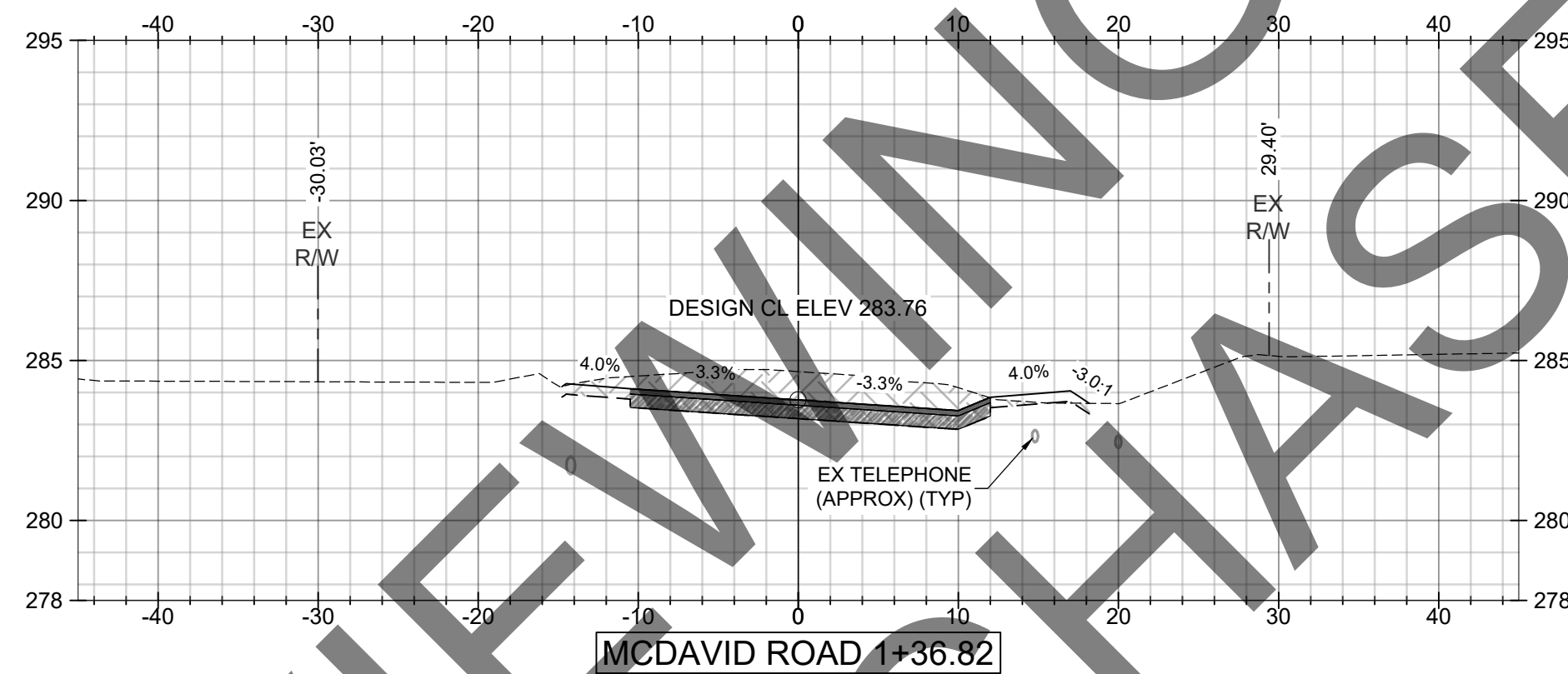
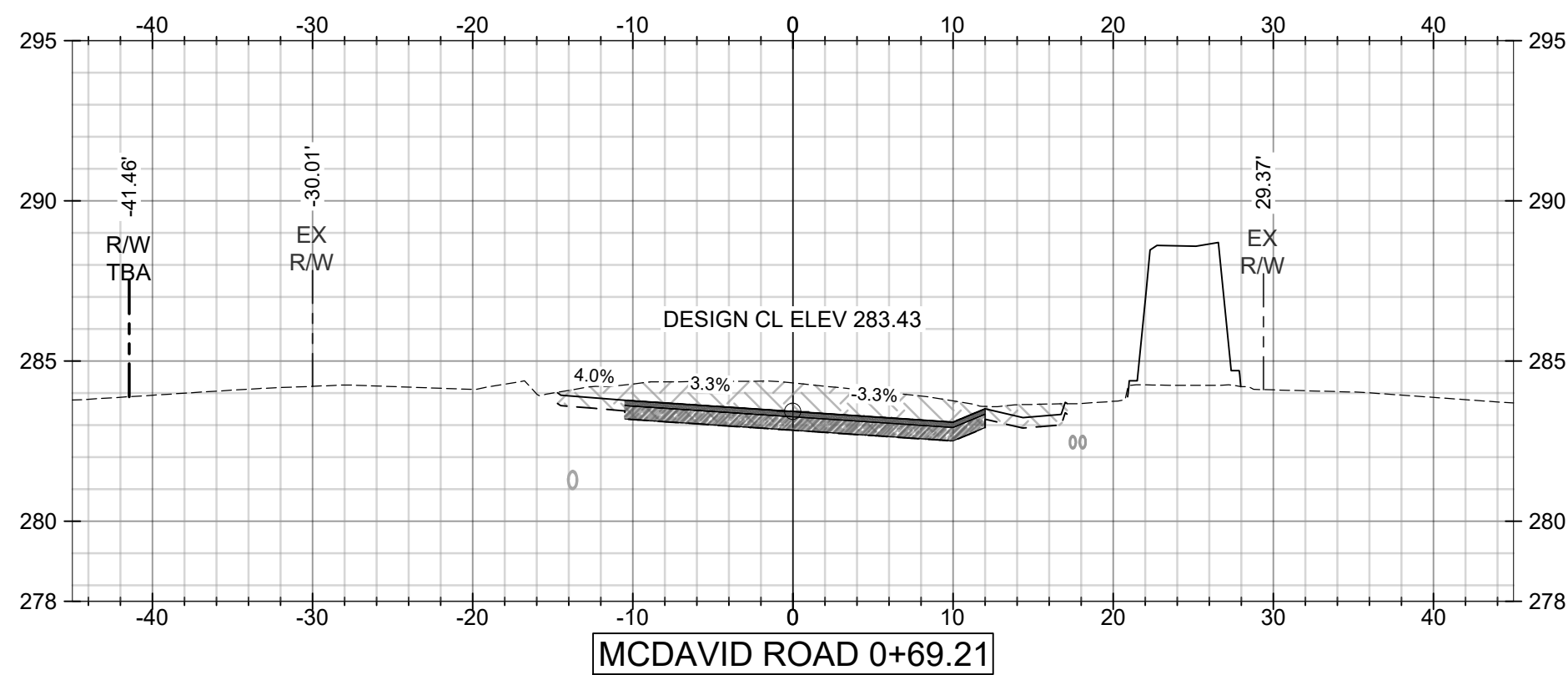
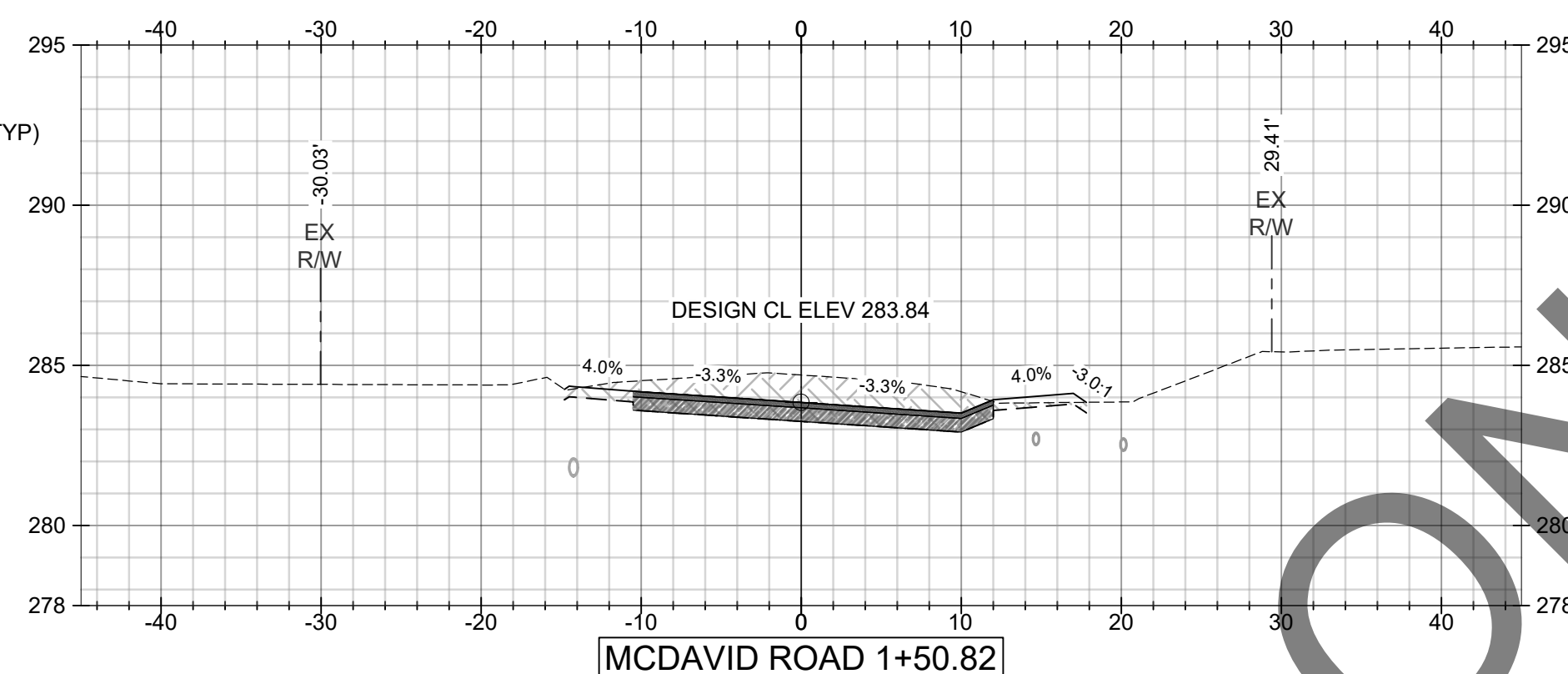
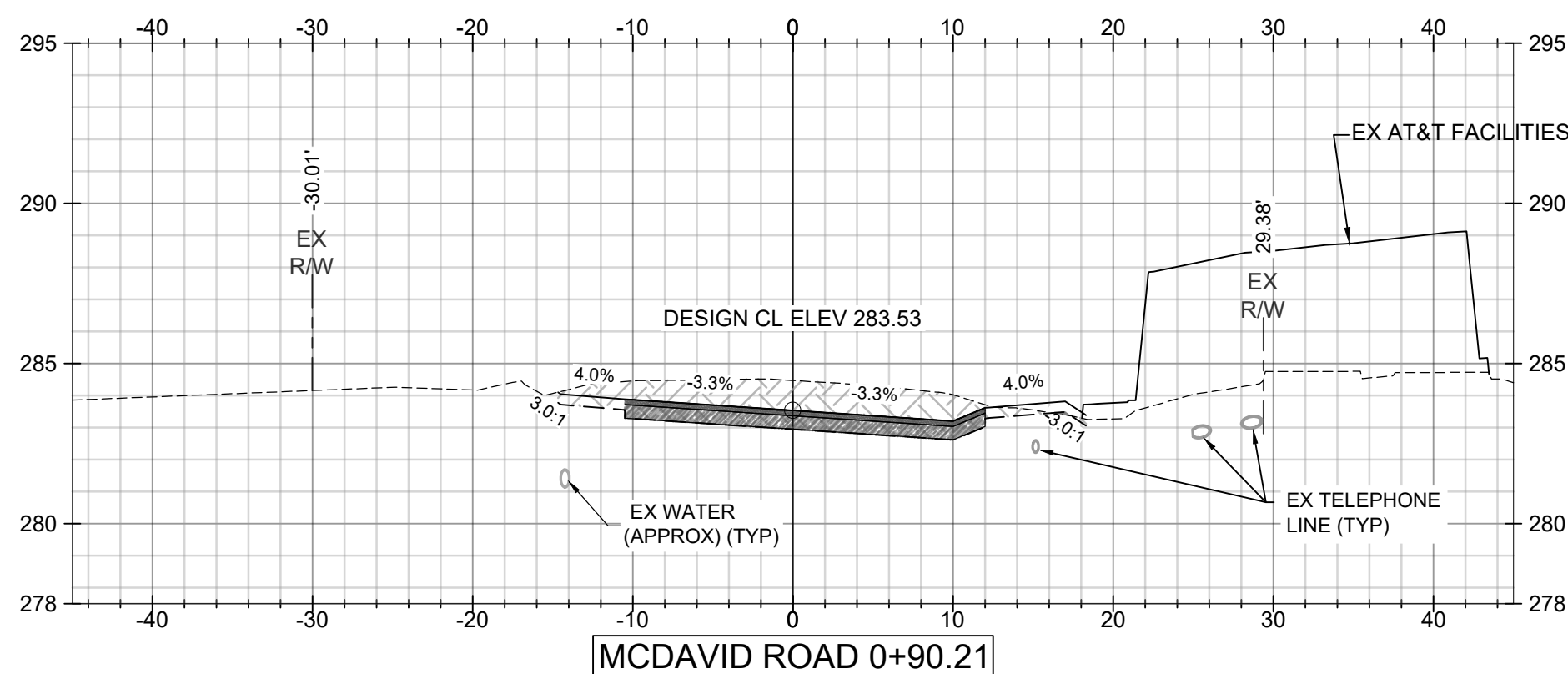
CLIENT: MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL

Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.driveneengineering.com

ALABAMA LICENSED PROFESSIONAL ENGINEER
WILYSA L.S. FISHER

TITLE: MCR-2018-204
MCDavid ROAD
MCDavid ROAD OUTFALL NEAR 24+50
PLAN AND PROFILE SHEET

DATE: 02/17/2020		SCALE: AS SHOWN	
DRAWN BY:		CHECKED BY:	
APPROVED BY:		PROJECT NUMBER: 19002	
DRAWING NUMBER: C11	TOTAL SHEETS: 25	REVISION: E	



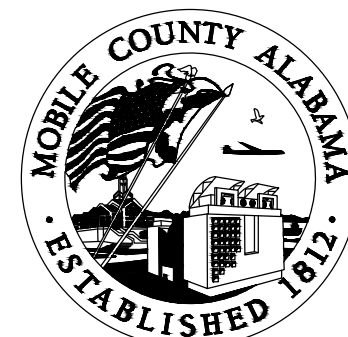
FOR VIEWING ONLY
MUST PURCHASE TO BID

SCALE:
1"=10' HORIZ.
1"=5' VERT.

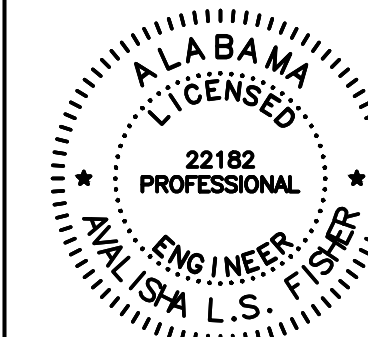
E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRH	ALF	ALF

CLIENT:

MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com

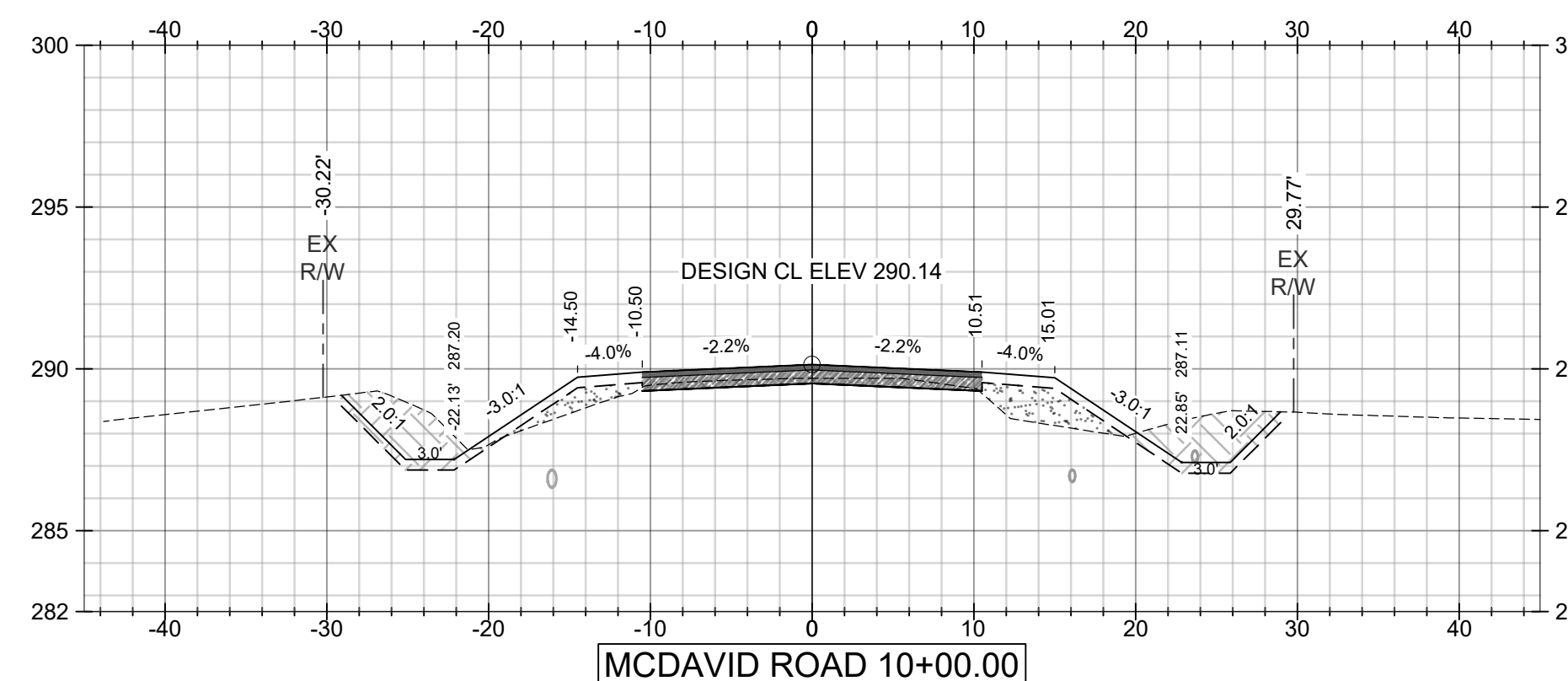
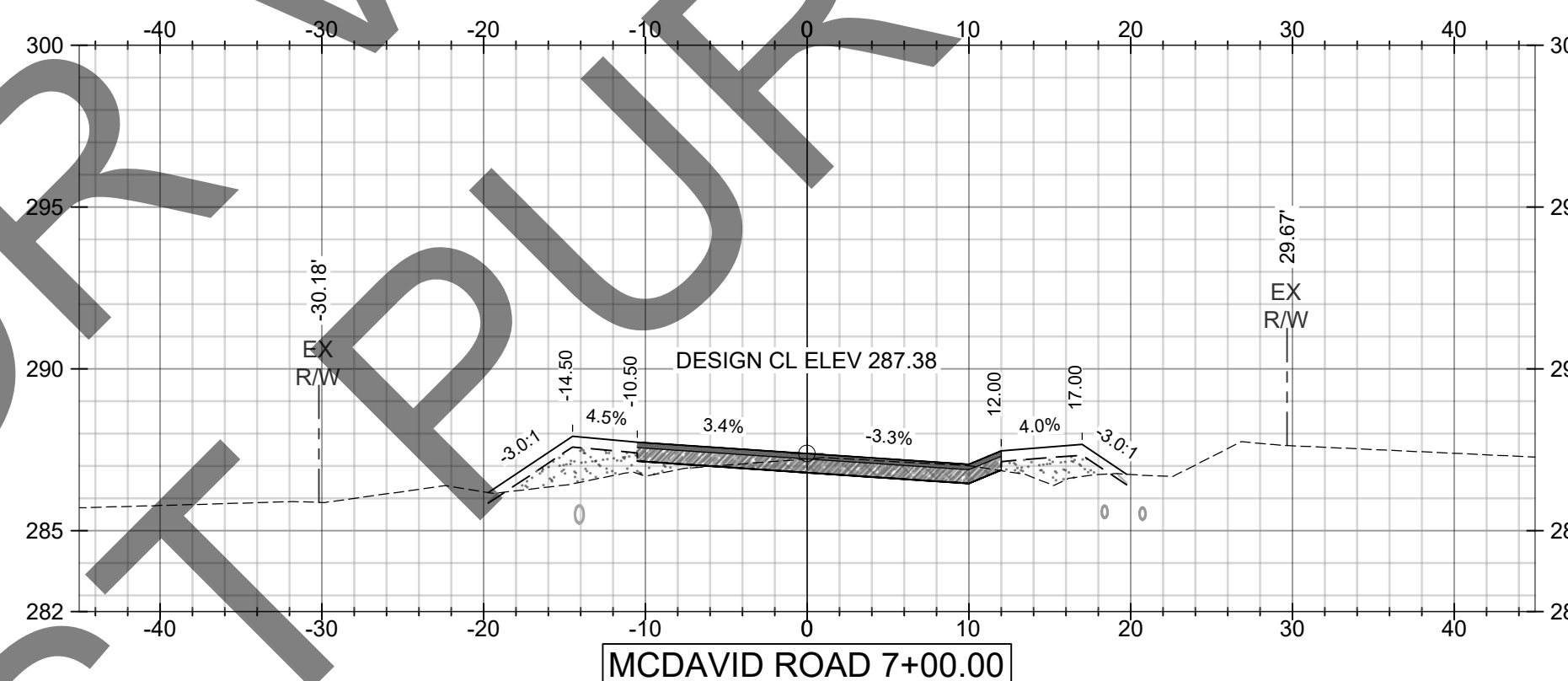
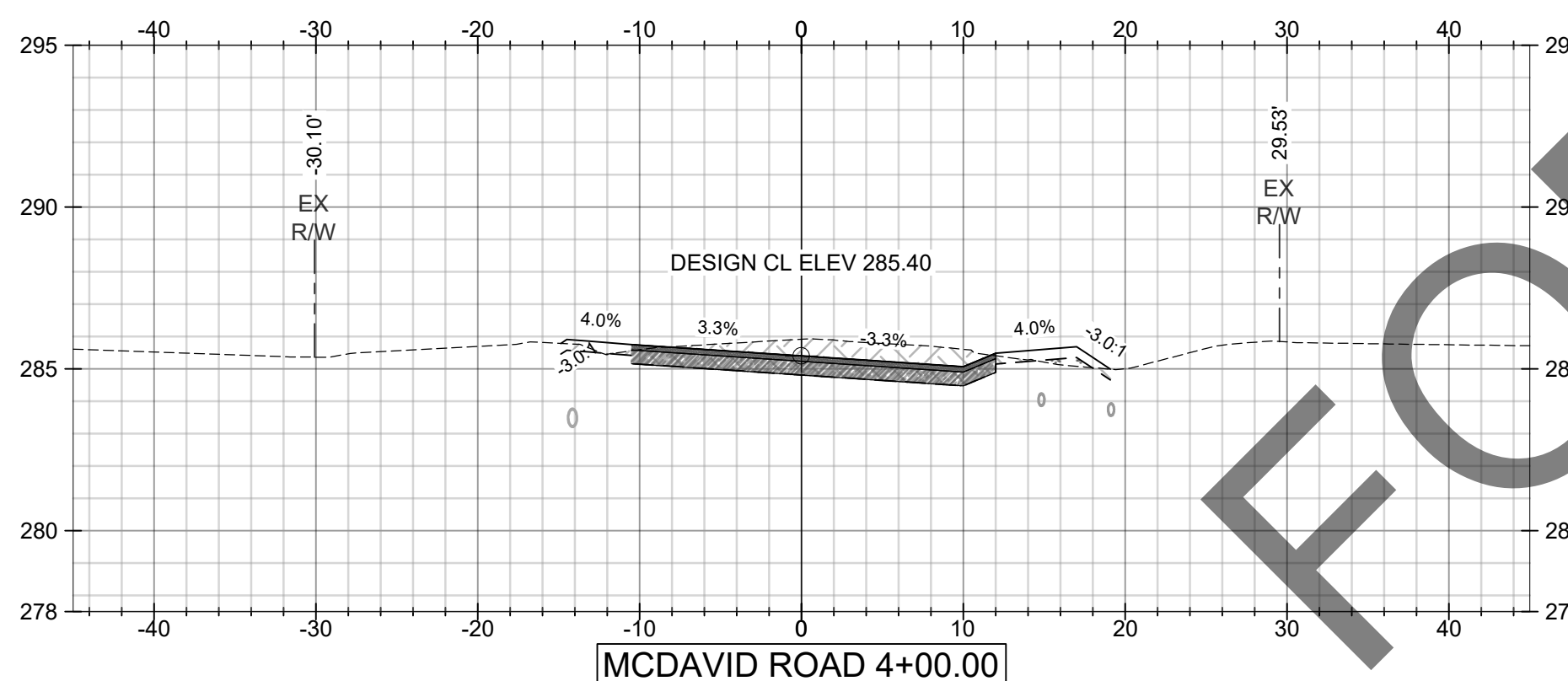
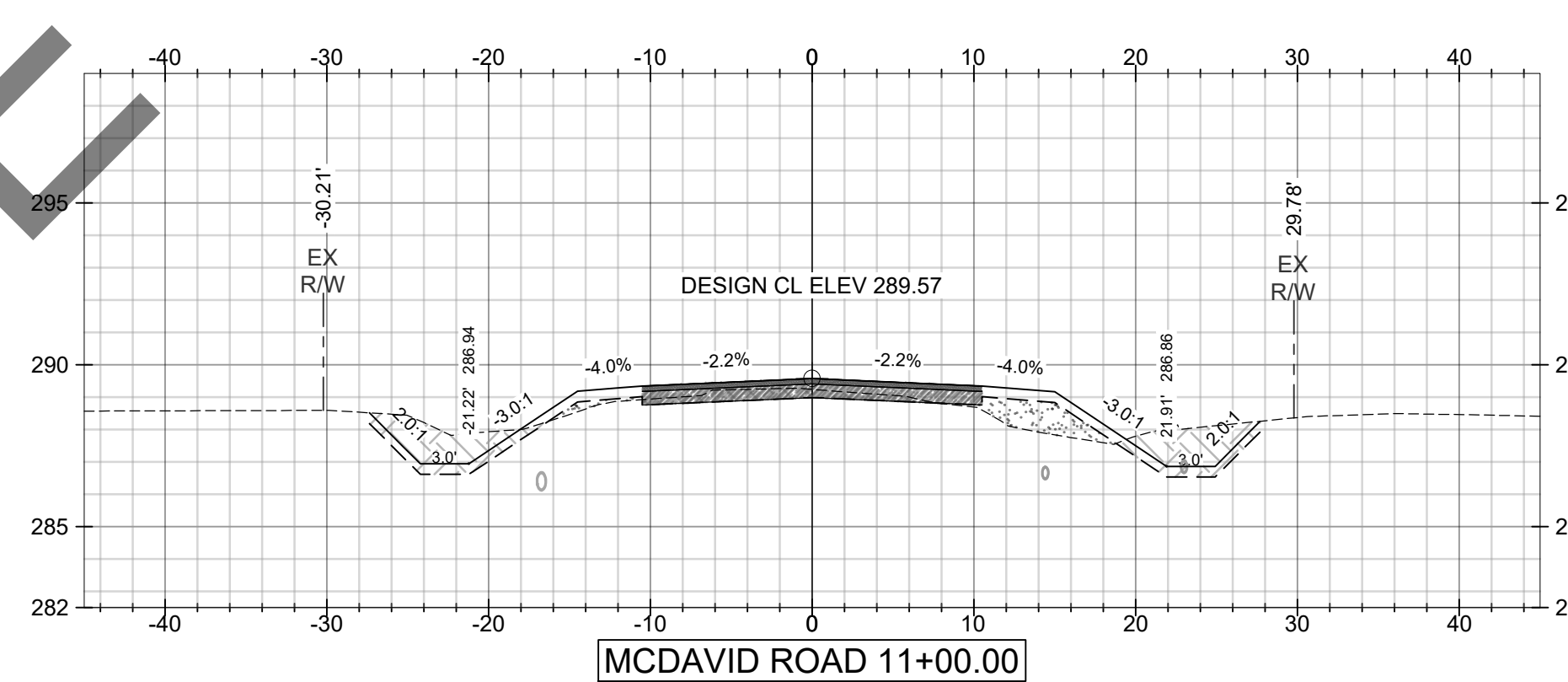
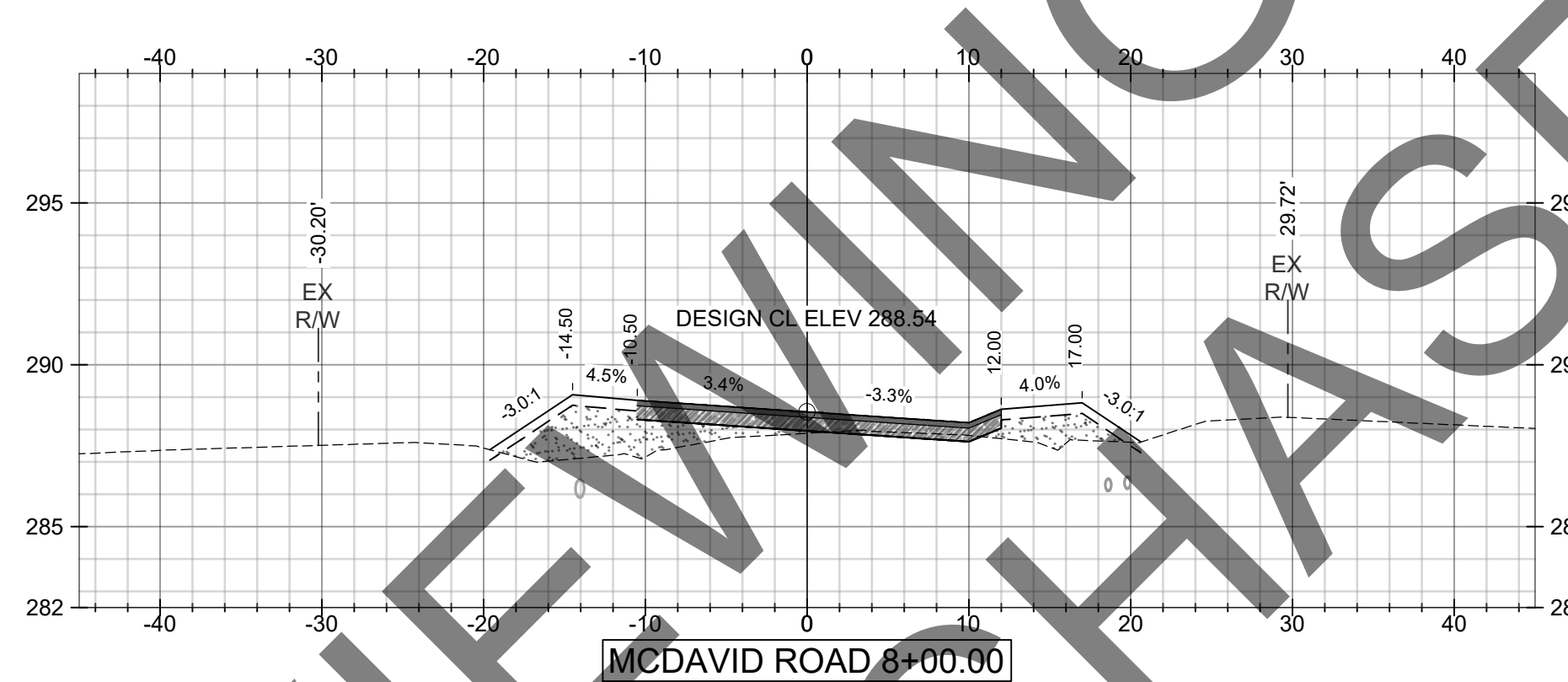
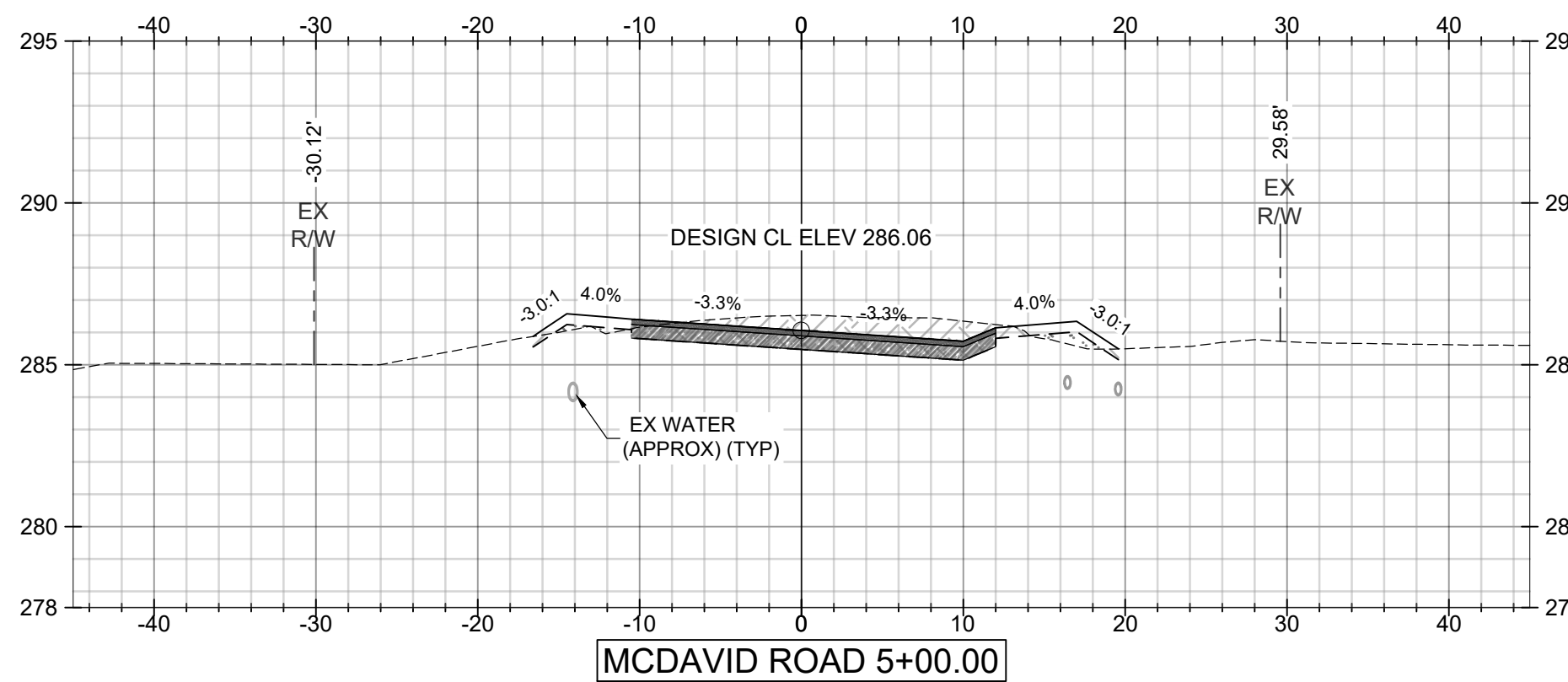
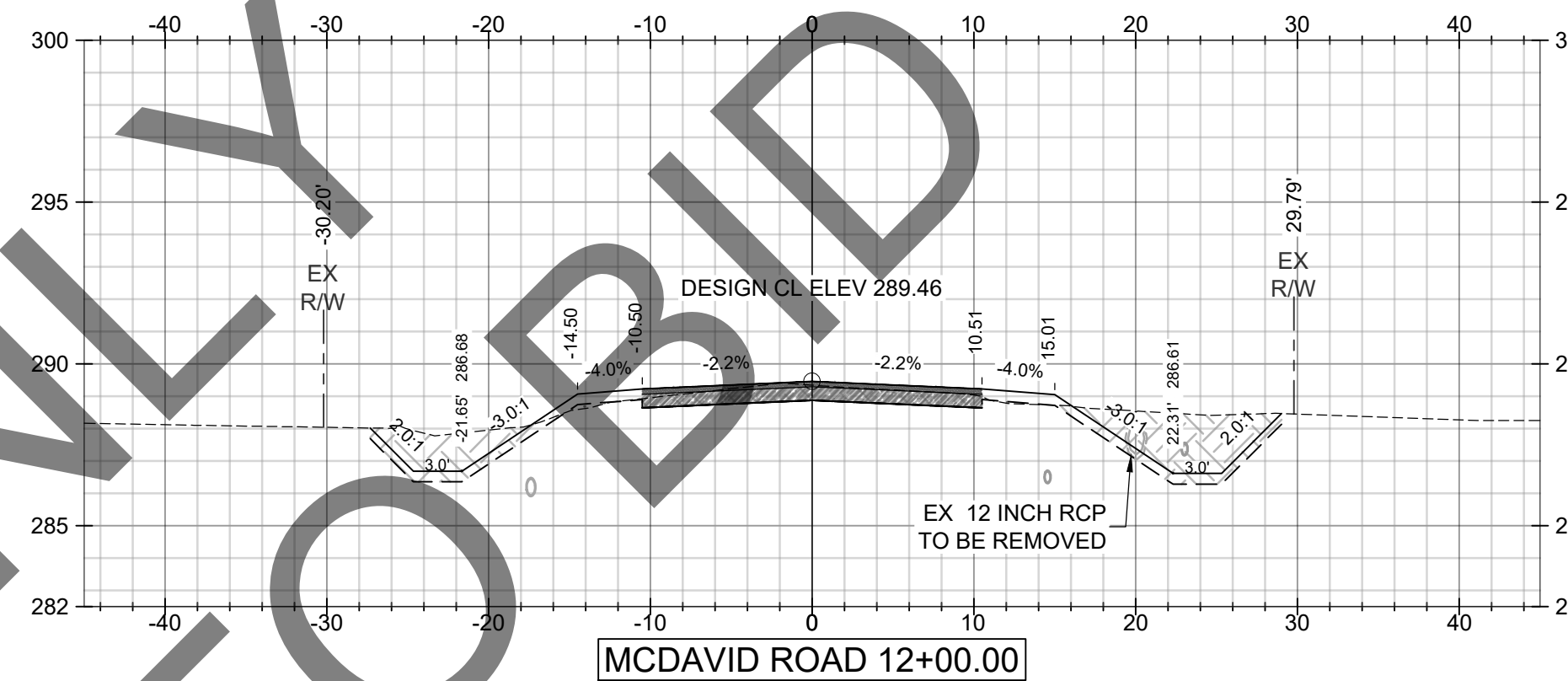
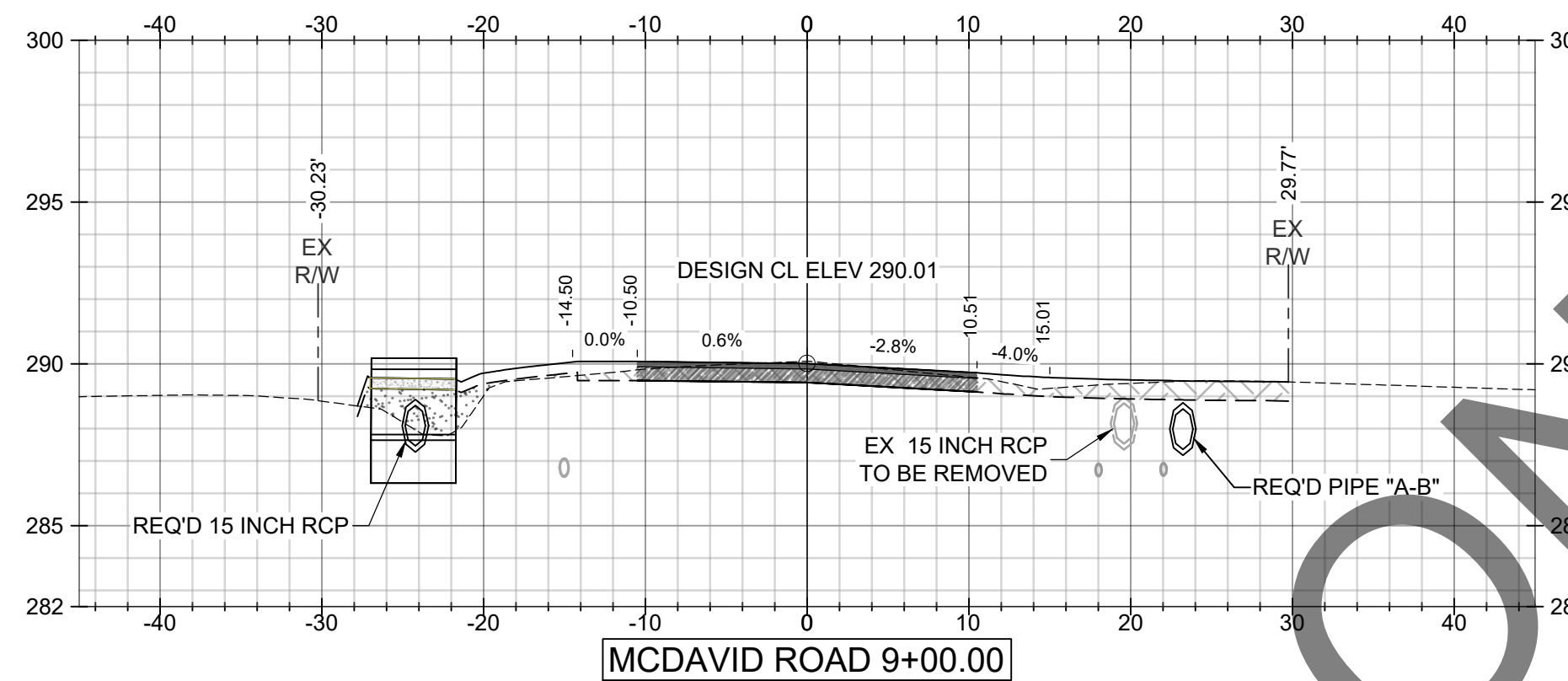
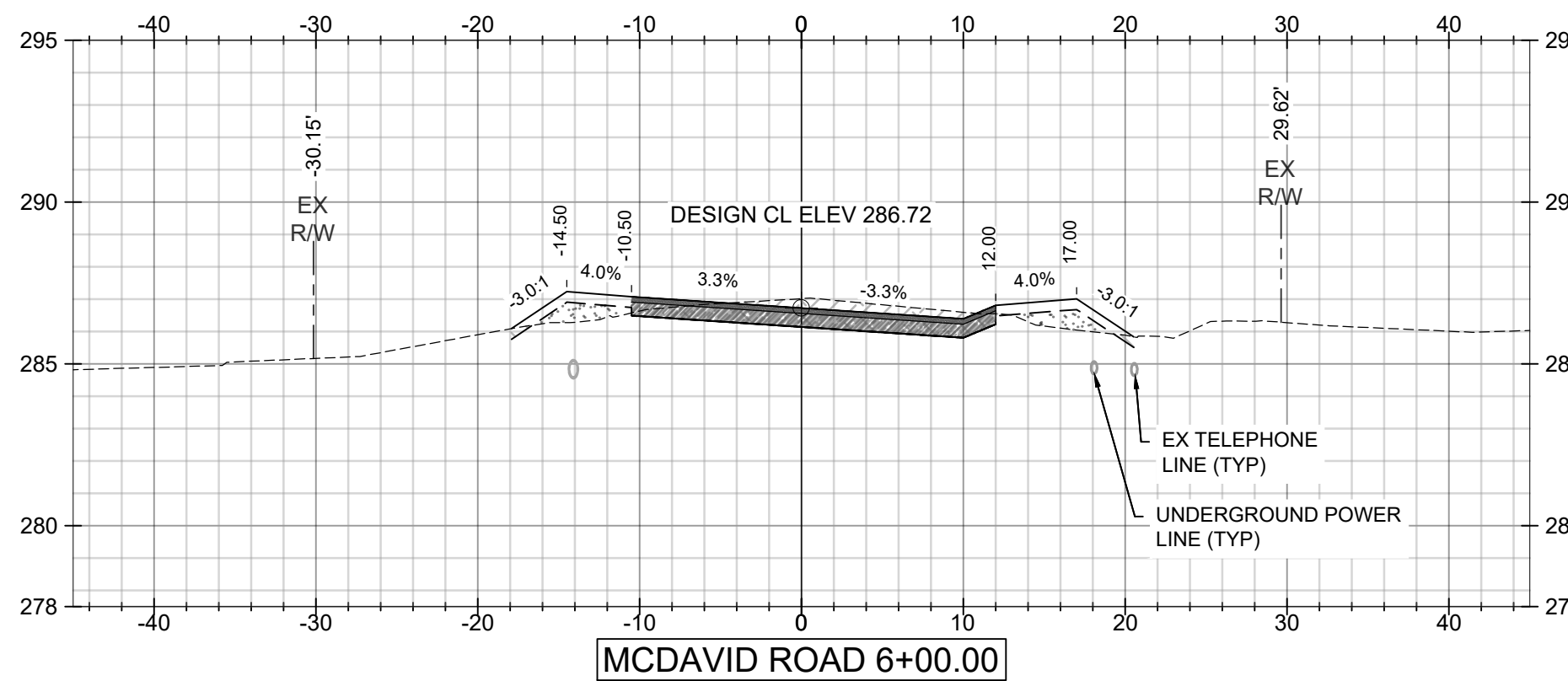


TITLE:

MCR-2018-204
MCDAVID ROAD
CROSS SECTIONS
SHEET 1 OF 7

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

DATE	SCALE	
02/17/2020	AS SHOWN	
DRAWN BY:	CHECKED BY:	
BN	ALF	
APPROVED BY:		
DRIVEN ENGINEERING PROJECT NUMBER:		
19002		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C12	25	E




FOR VIEWING ONLY
MUST PURCHASE TO BID

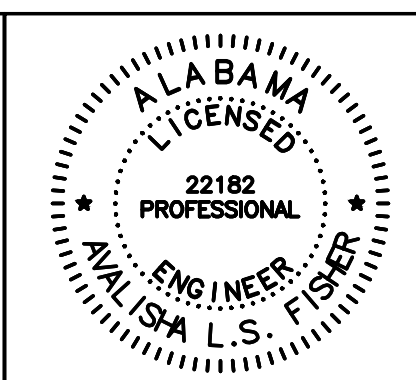
SCALE:
1"=10' HORIZ.
1"=5' VERT.

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRH	ALF	ALF

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



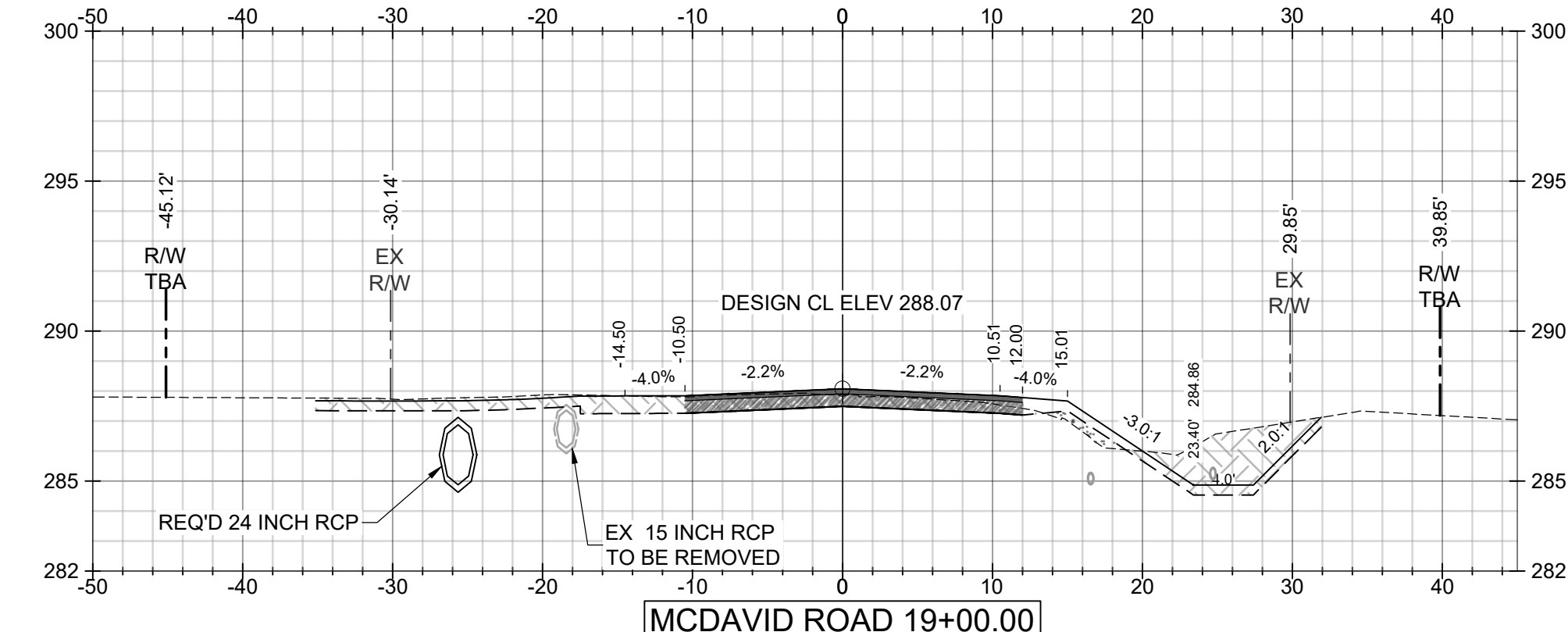
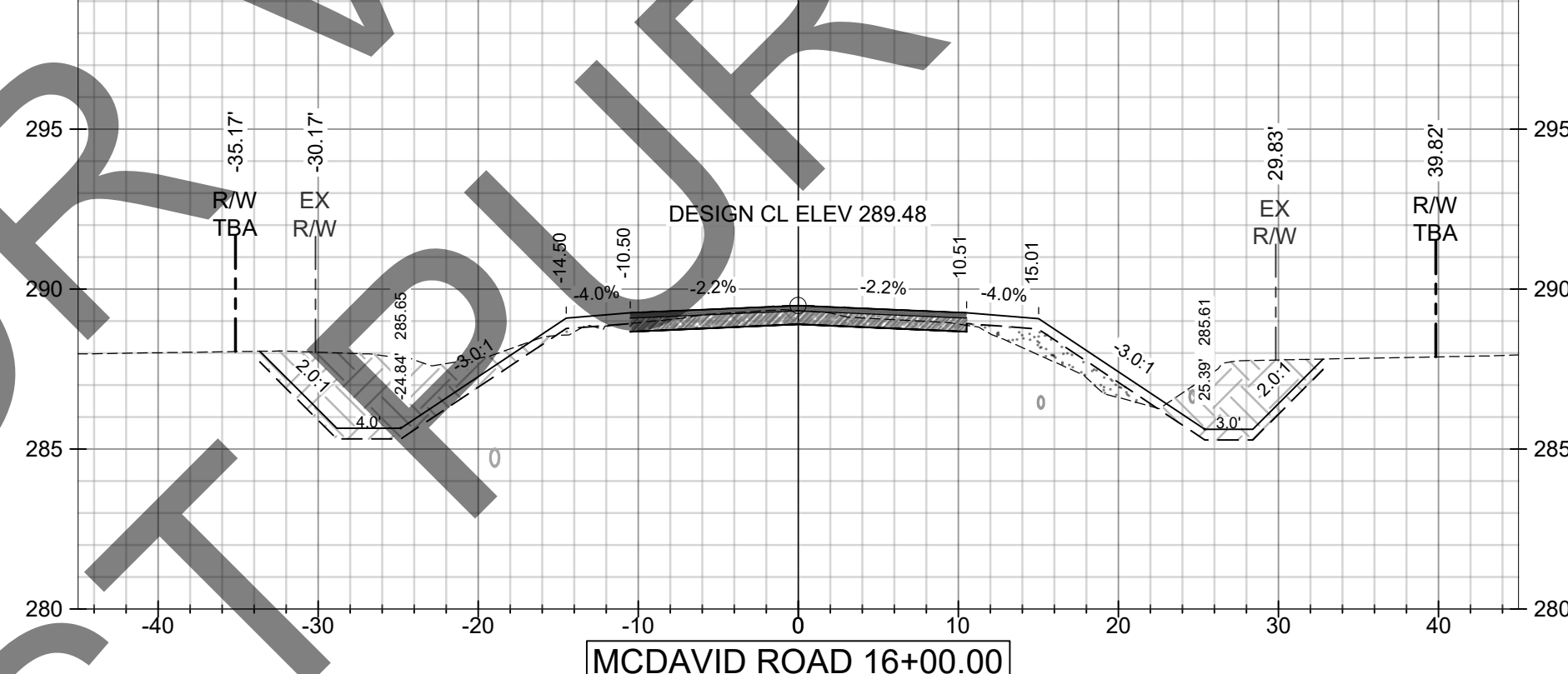
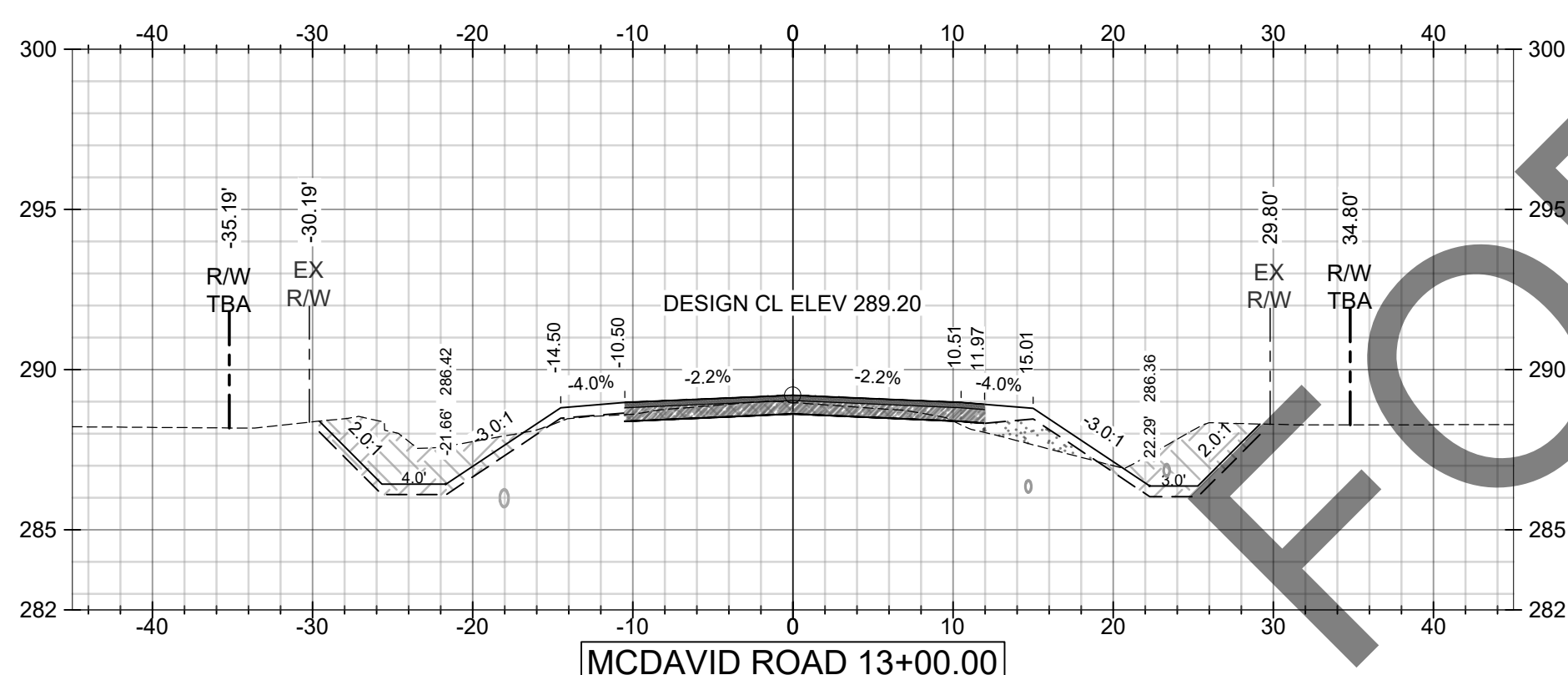
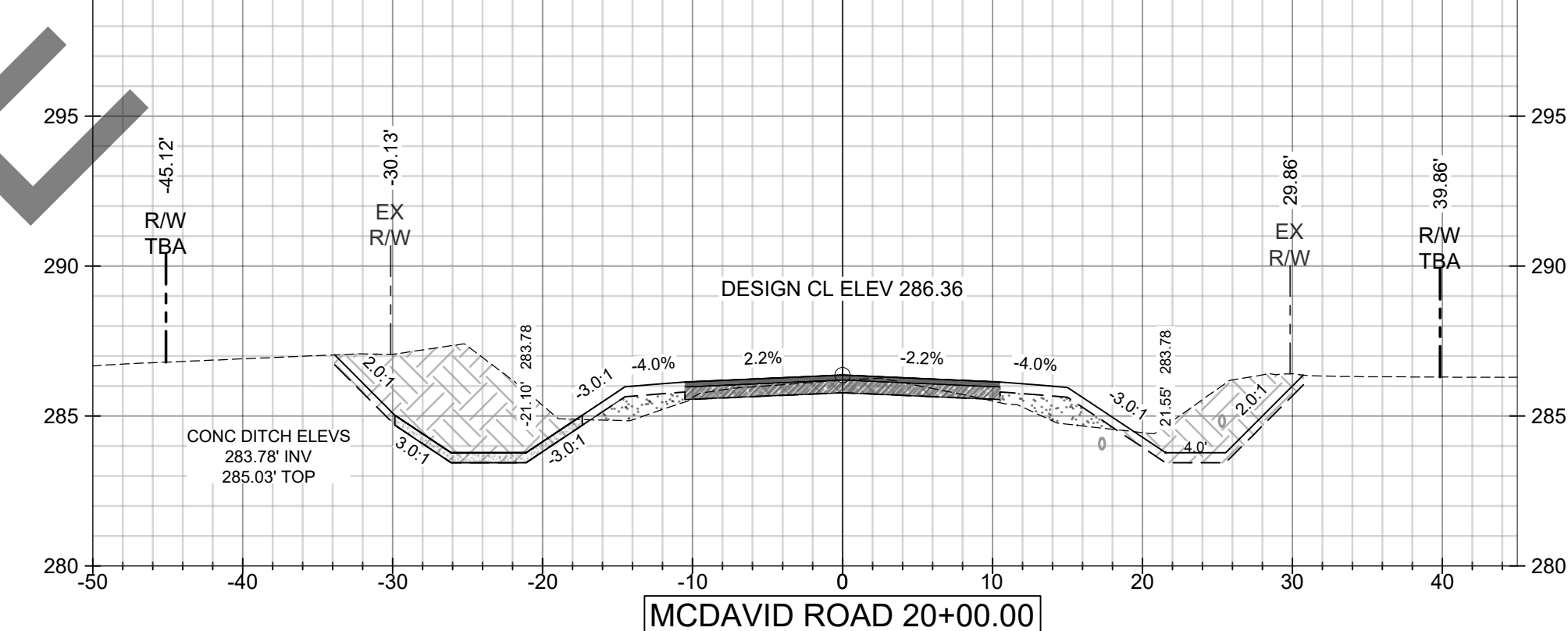
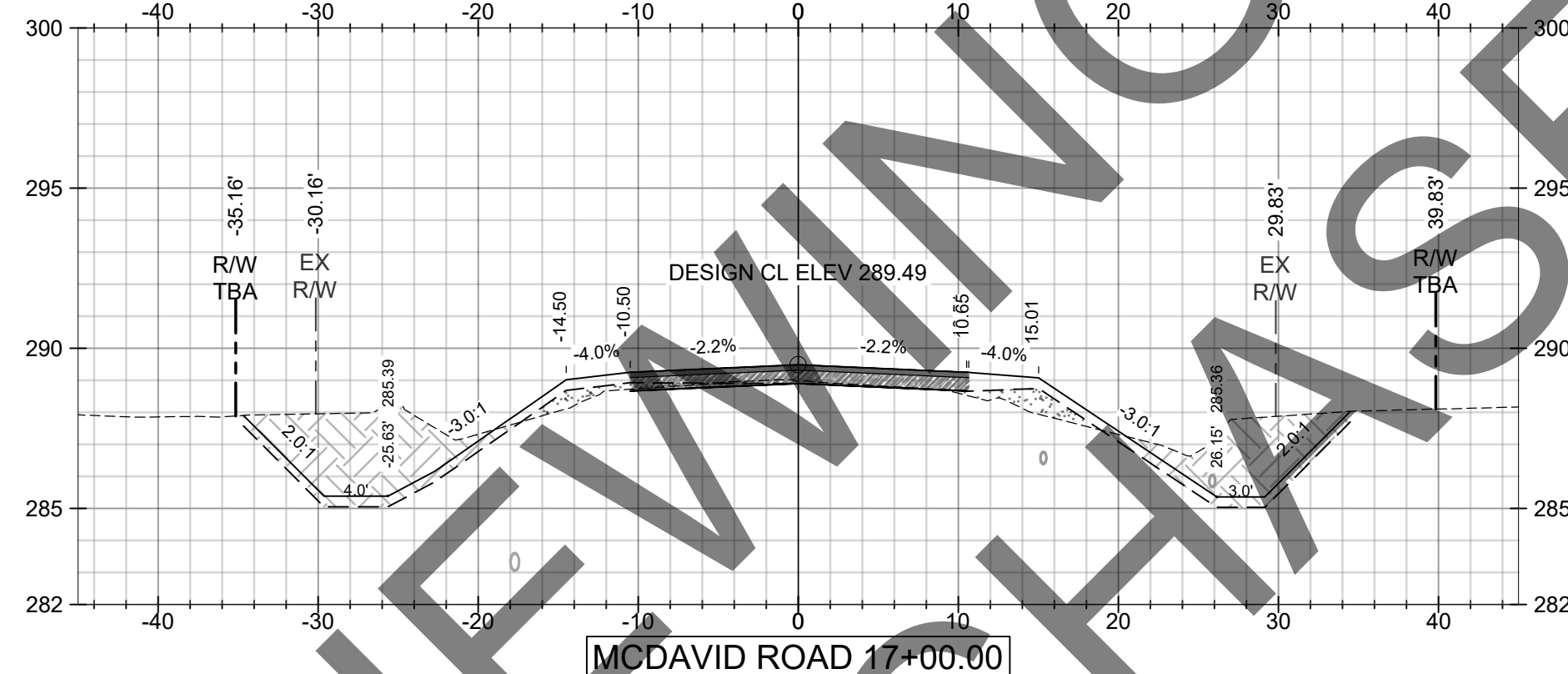
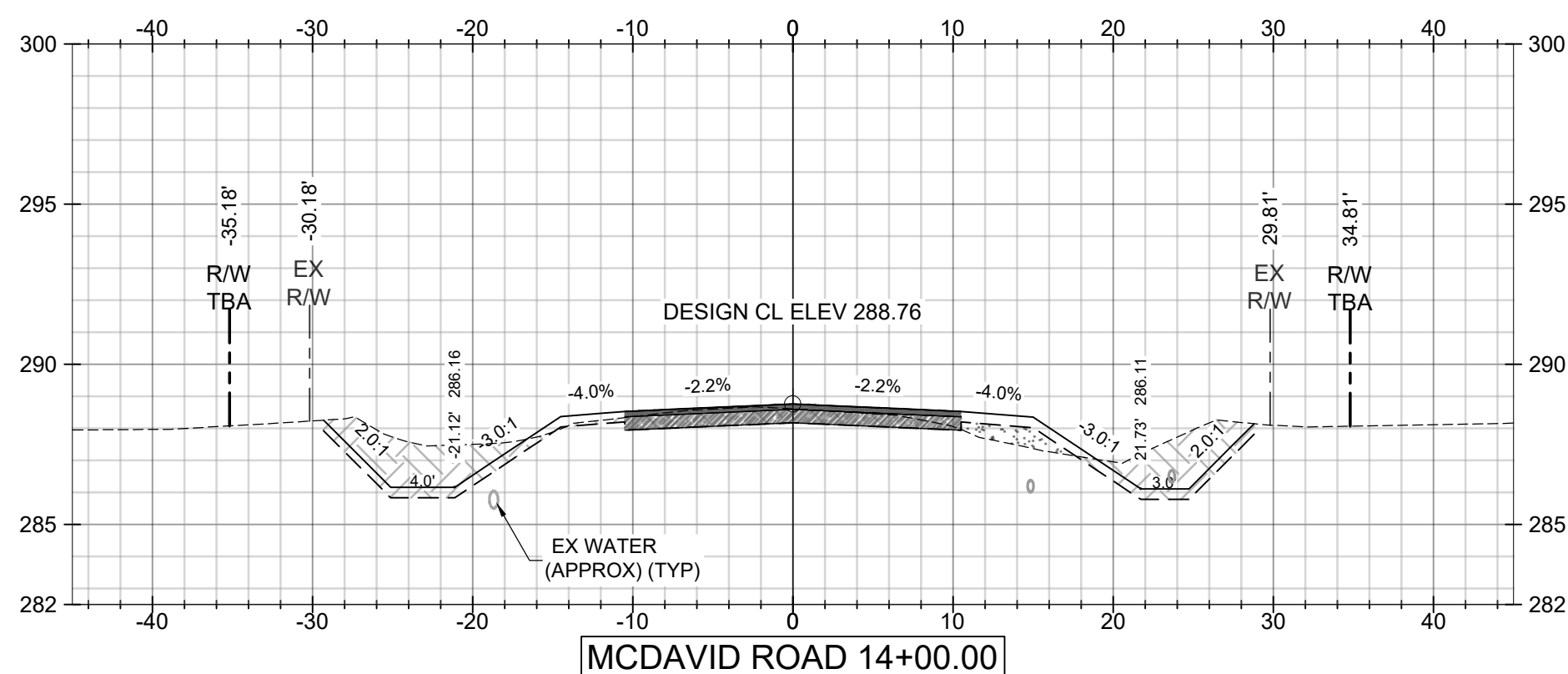
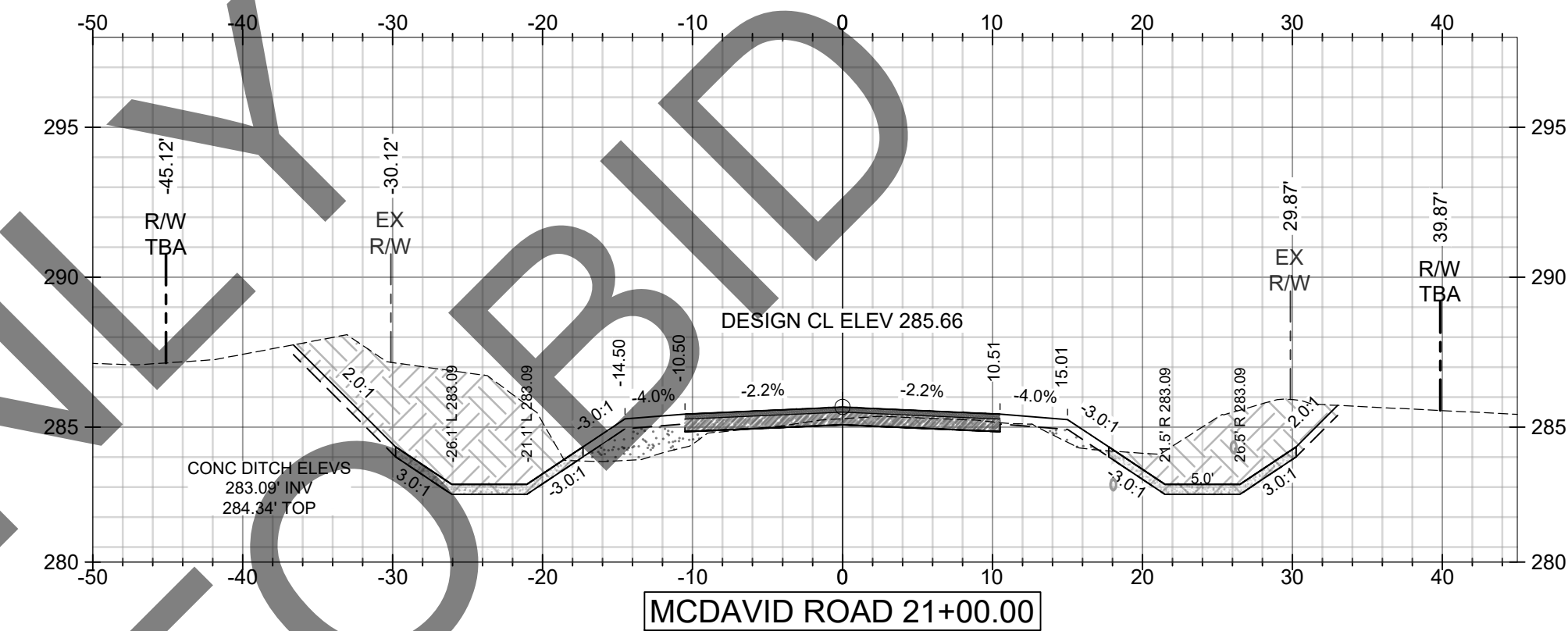
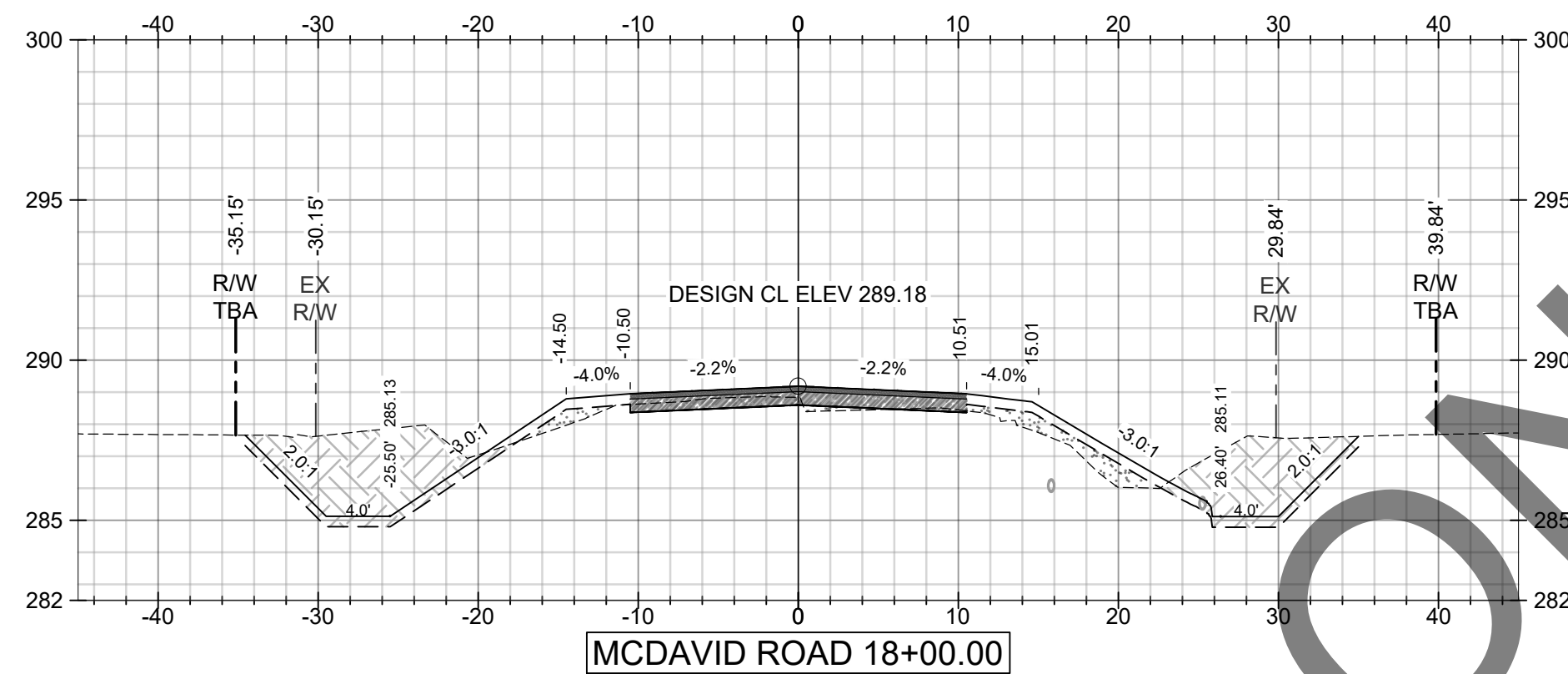
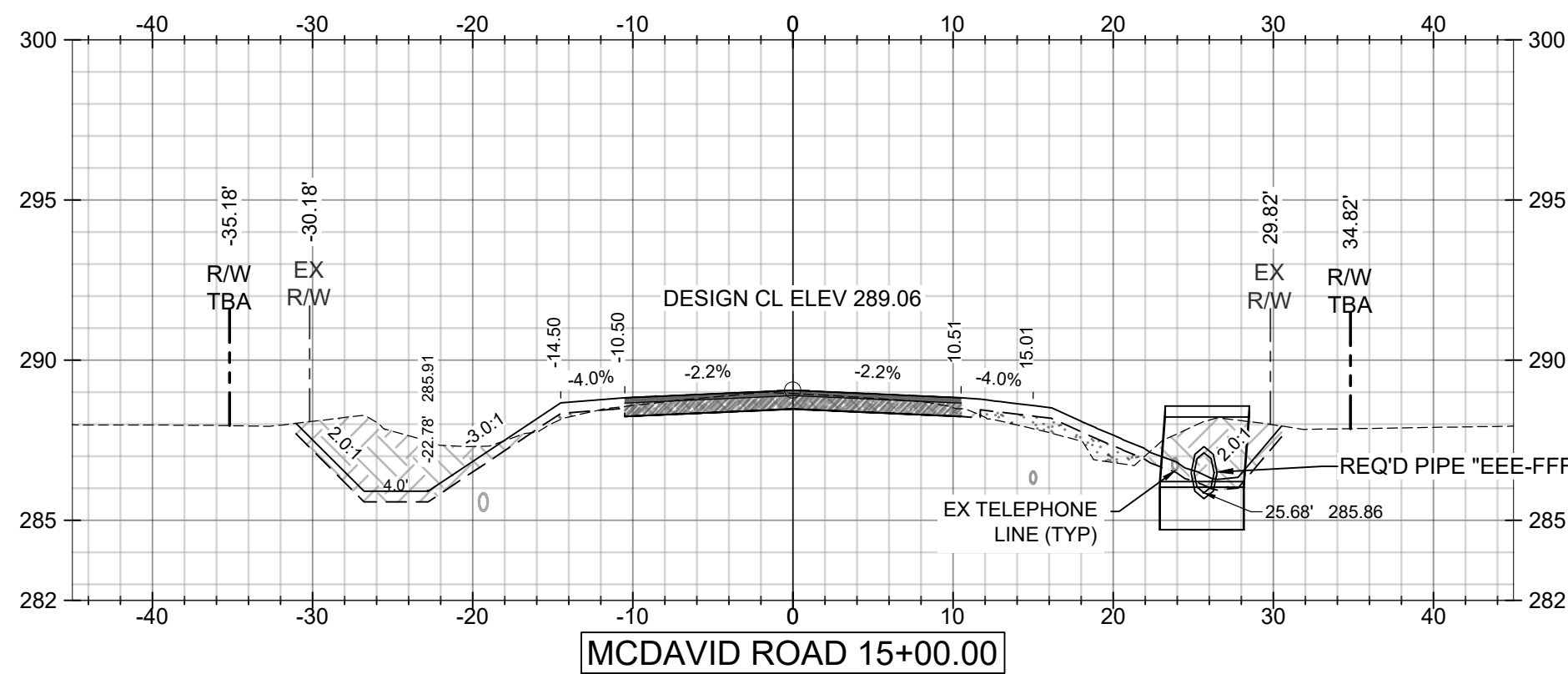
Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com



TITLE:
MCR-2018-204
MCDAVID ROAD
CROSS SECTIONS
SHEET 2 OF 7

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL.
PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERICAL.

DATE	SCALE
02/17/2020	AS SHOWN
DRAWN BY:	CHECKED BY:
BN	ALF
DRIVEN ENGINEERING	PROJECT NUMBER:
	19002
DRAWING NUMBER	TOTAL SHEETS
C13	25
	REVISION
	E



FOR REVIEWING ONLY TO BID MUST PURCHASE

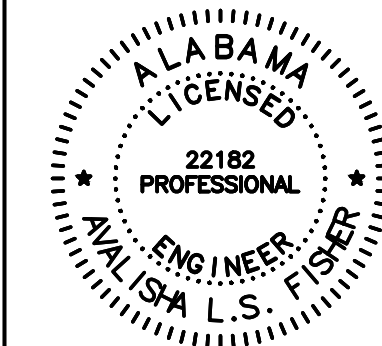
SCALE:
1"=10' HORIZ.
1"=5' VERT.

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2021	BRH	ALF	ALF	ISSUED FOR BIDS

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com

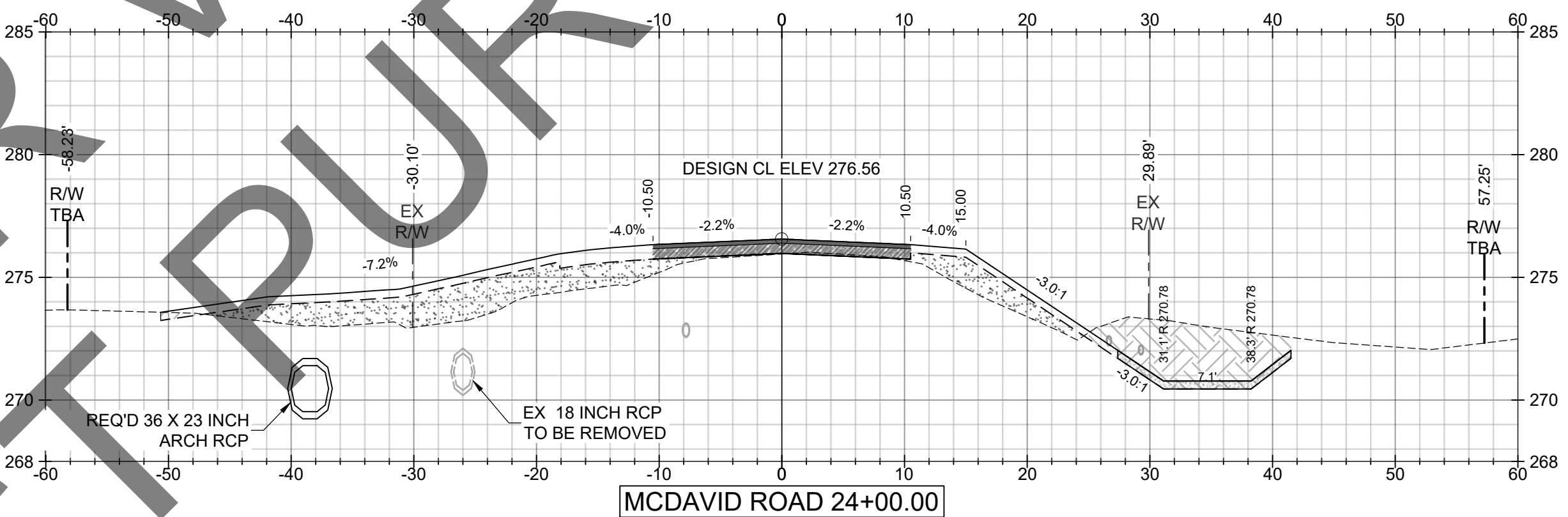
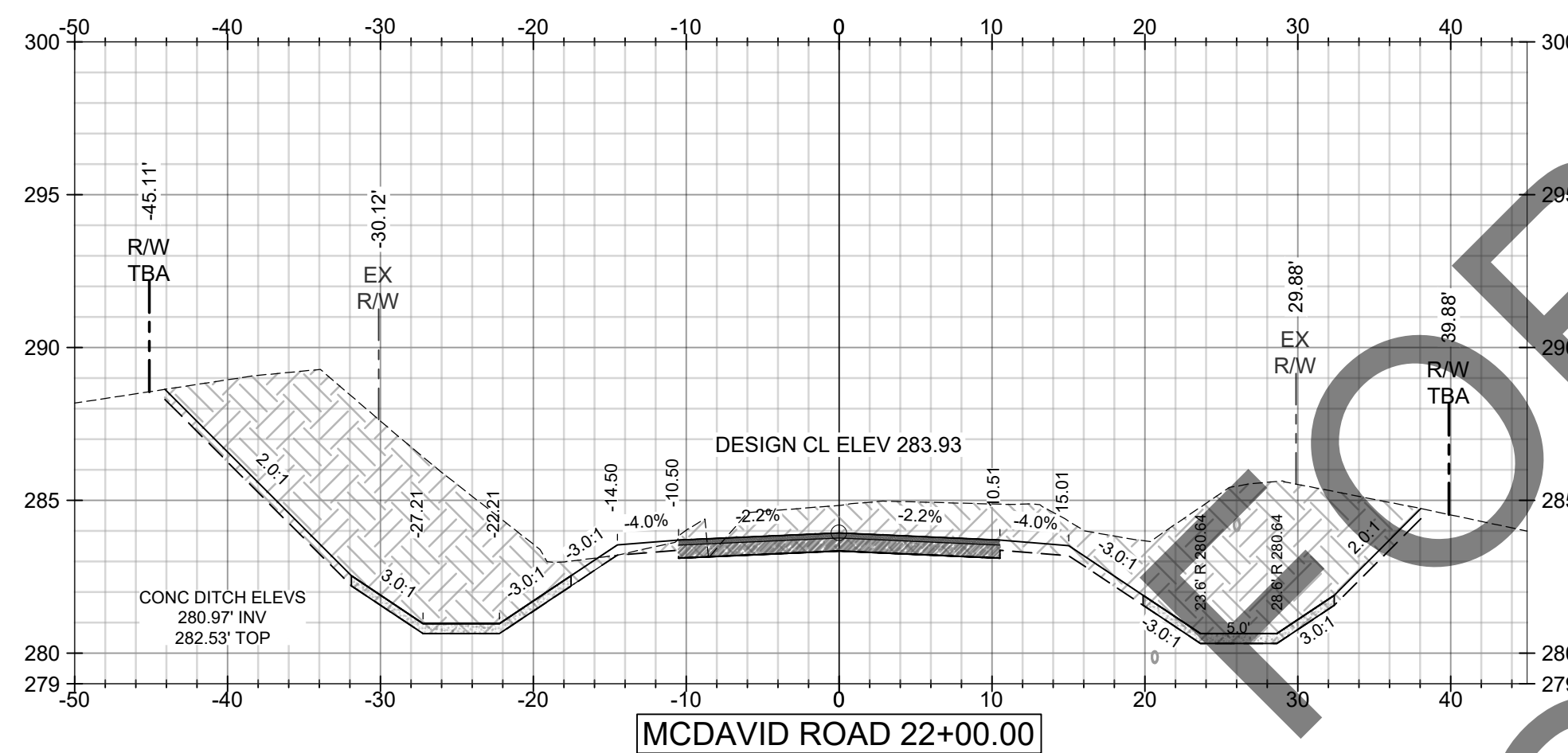
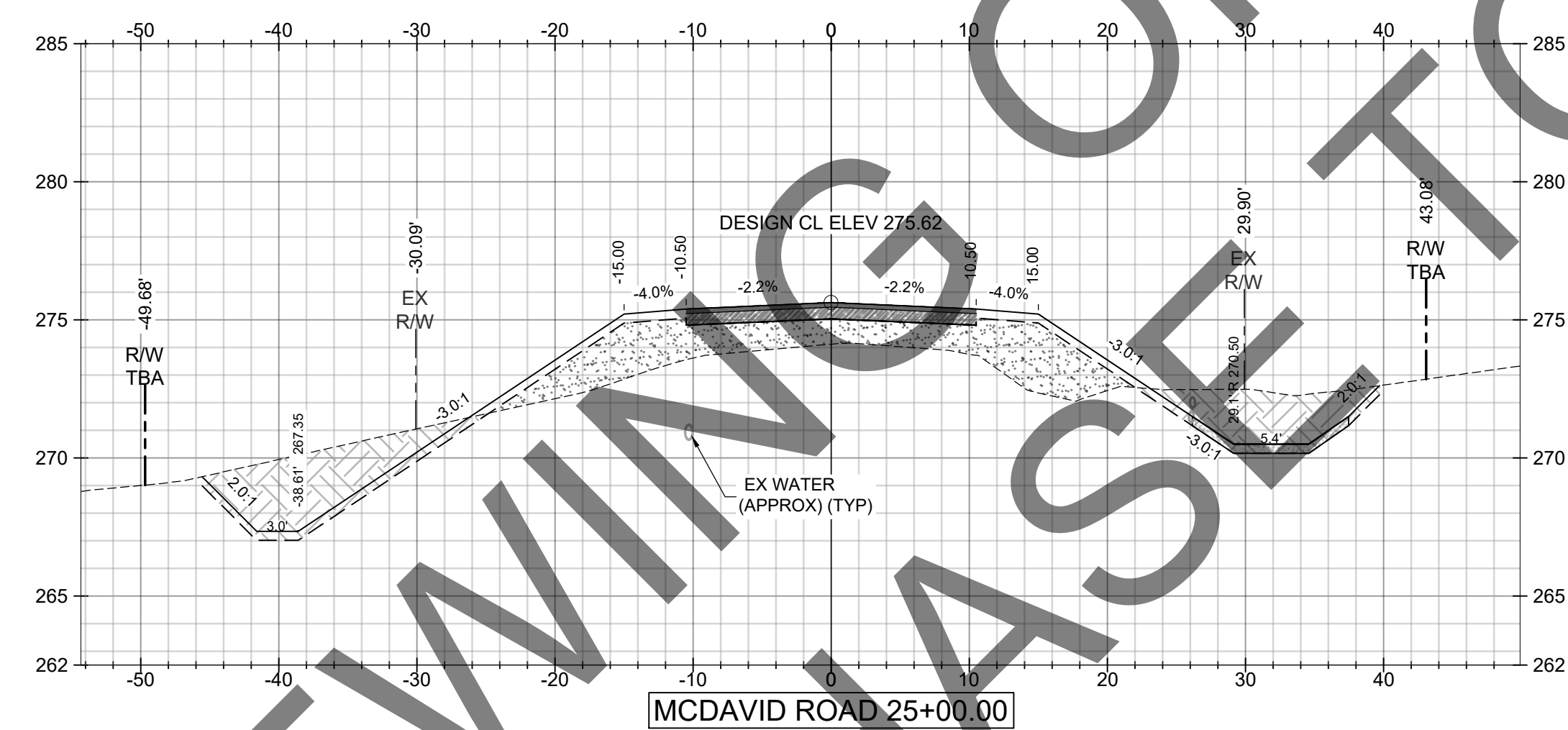
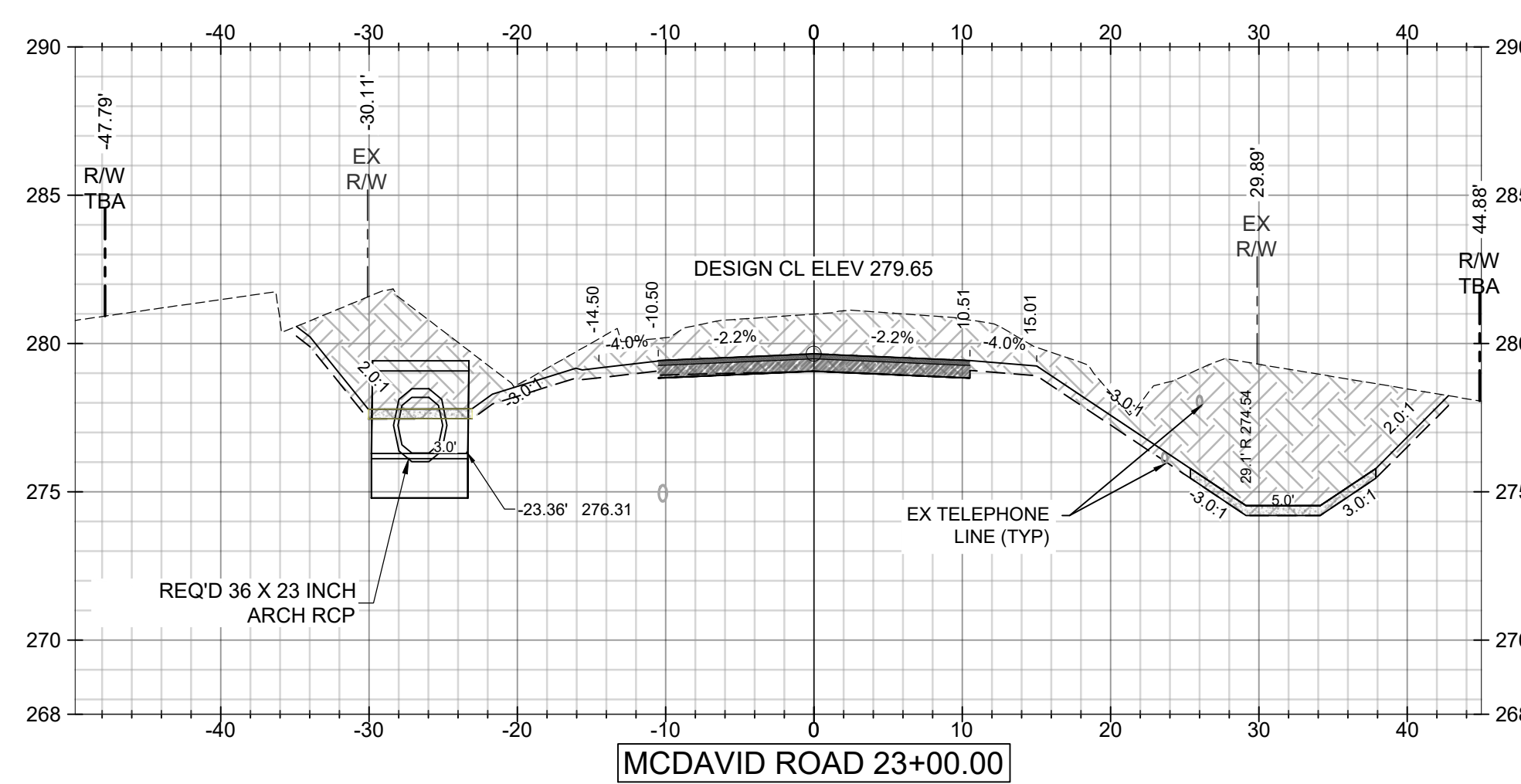


TITLE: MCR-2018-204
MCDavid ROAD CROSS SECTIONS
SHEET 3 OF 7

DATE	SCALE	
02/17/2020	AS SHOWN	
DRAWN BY:	CHECKED BY:	
BN	ALF	
DRIVEN ENGINEERING PROJECT NUMBER:	APPROVED BY:	
19002	ALF	
DRAWING NUMBER	TOTAL SHEETS	REVISION
C14	25	E

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

Copyright © as Driven by Driven Engineering, Inc. All Rights Reserved.

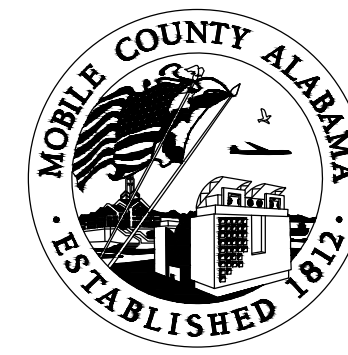


MUST PURCHASE SET ONLY TO BID

SCALE:
1"=10' HORIZ.
1"=5' VERT.

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BNH	ALF	ALF

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



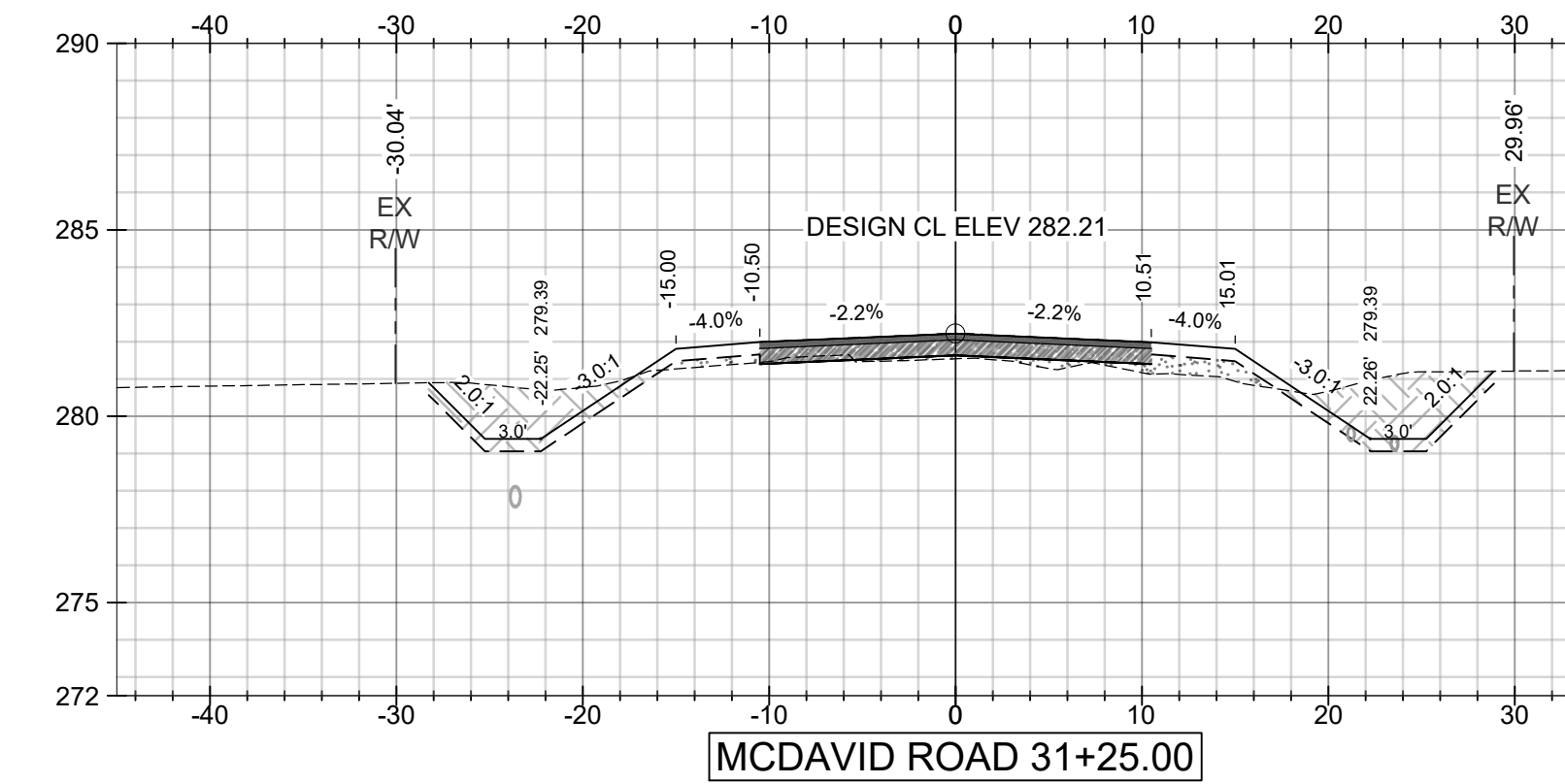
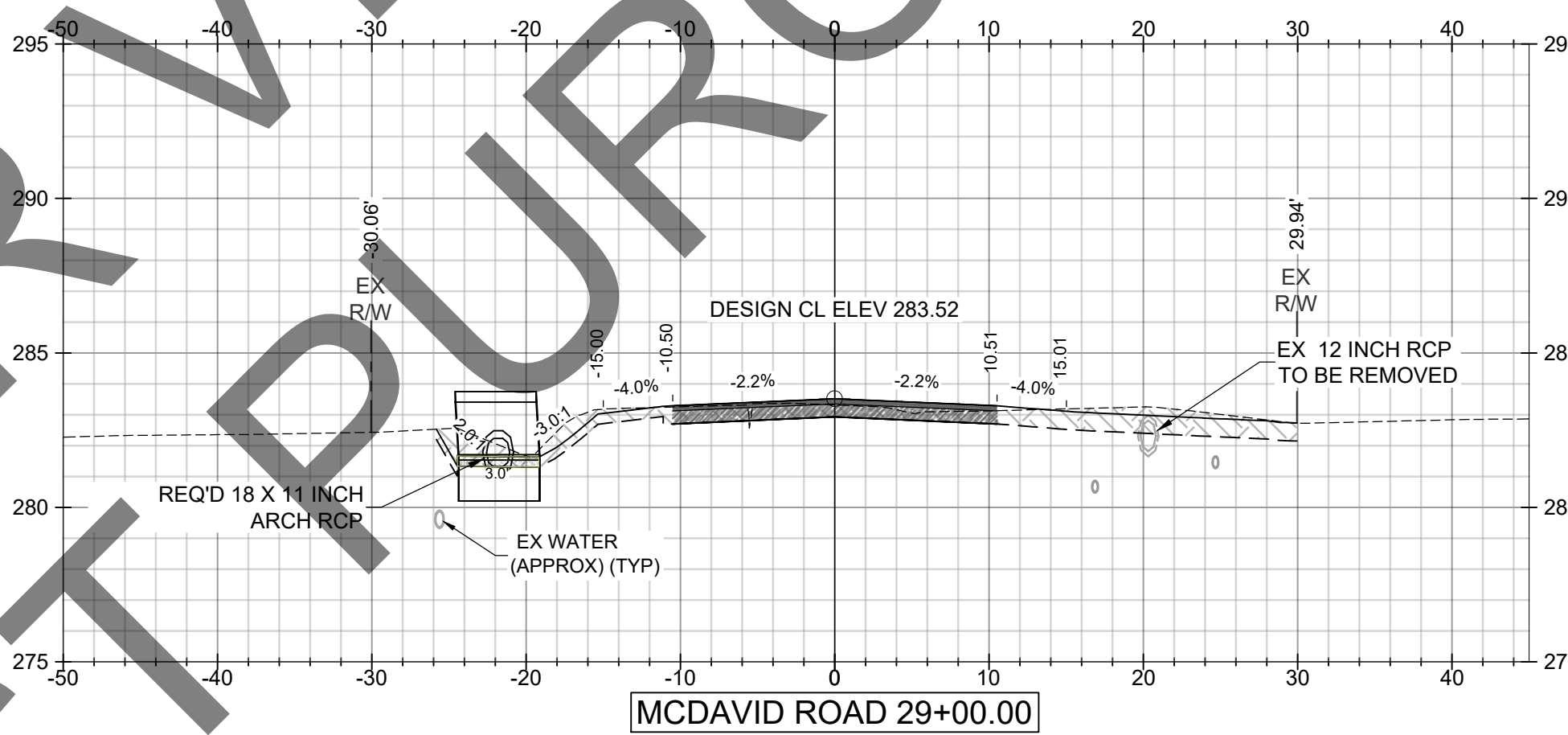
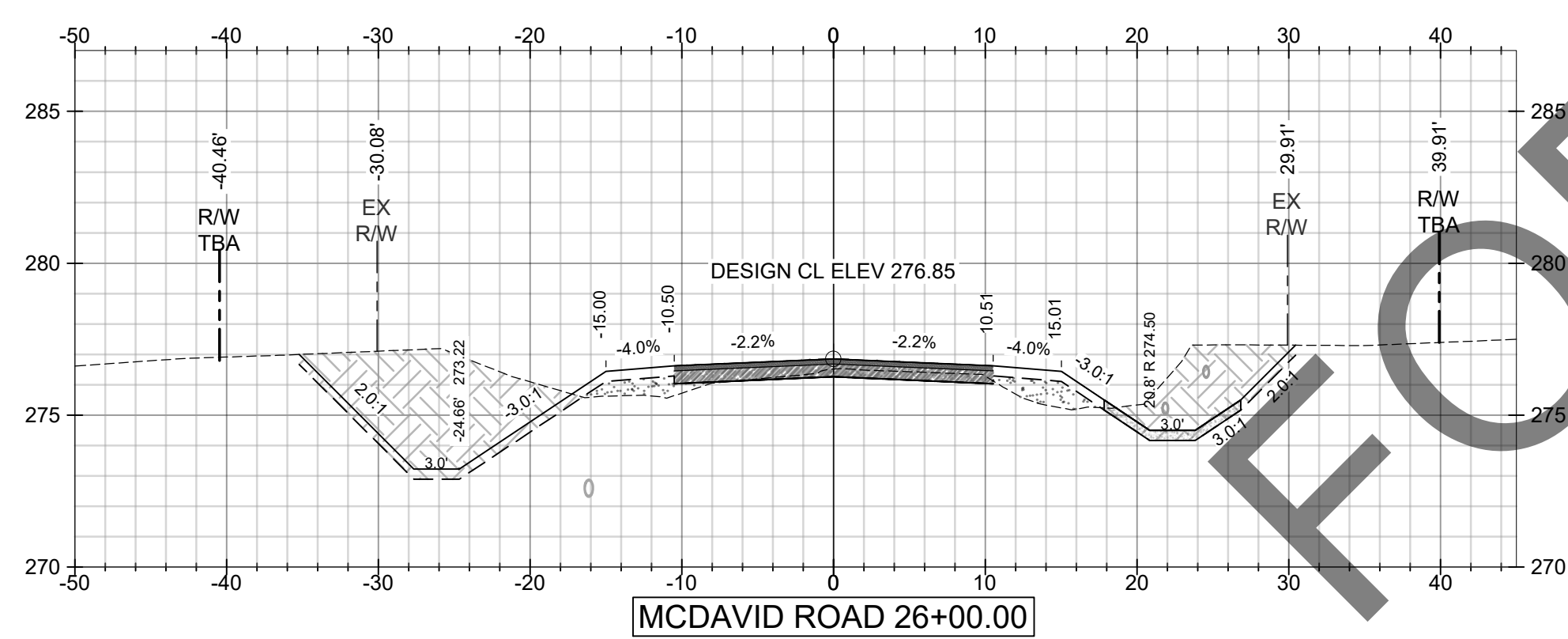
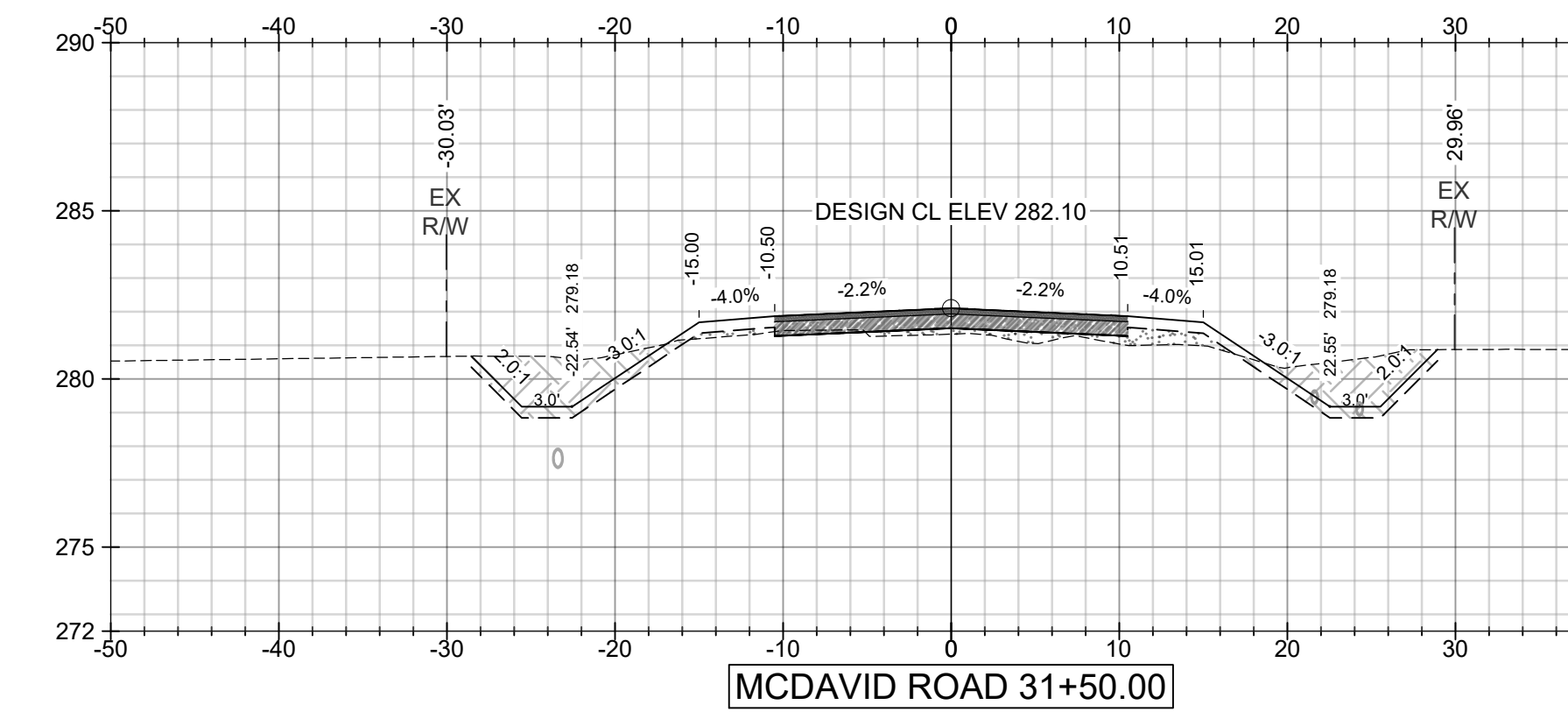
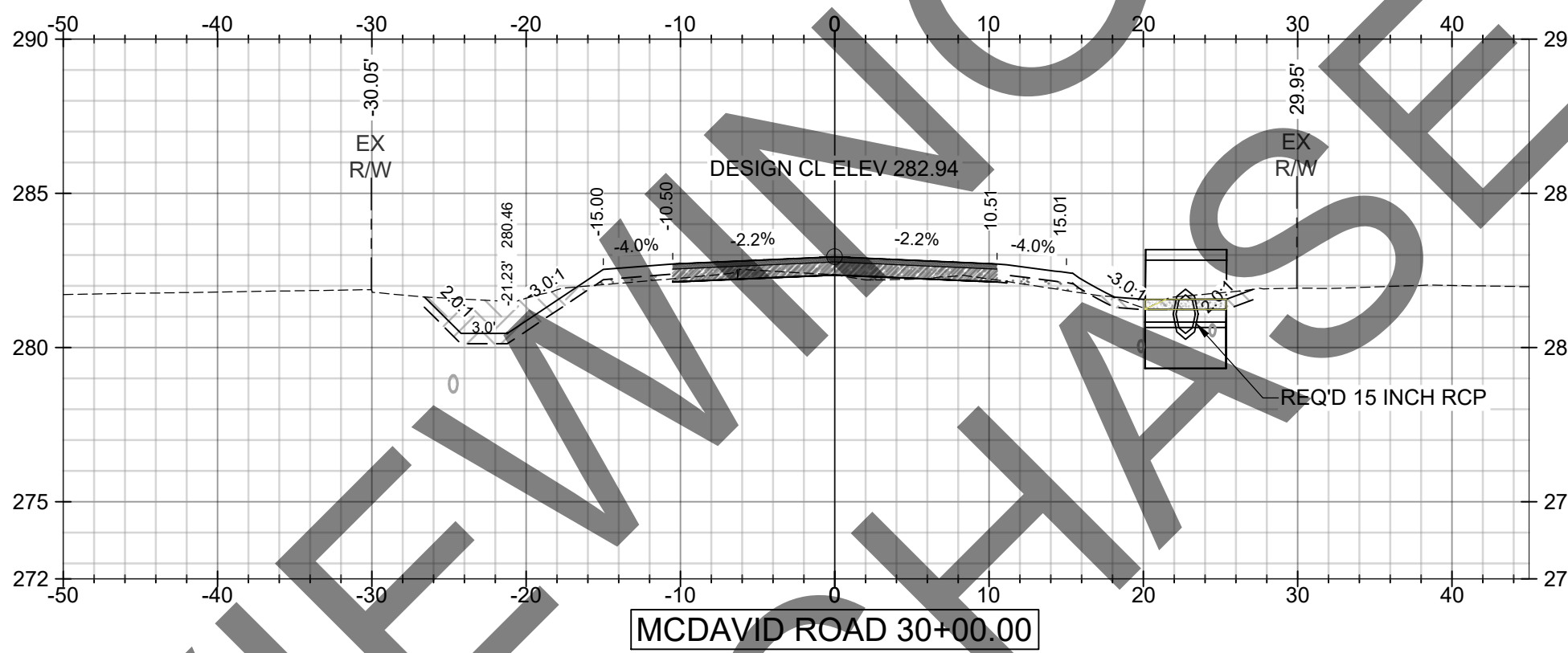
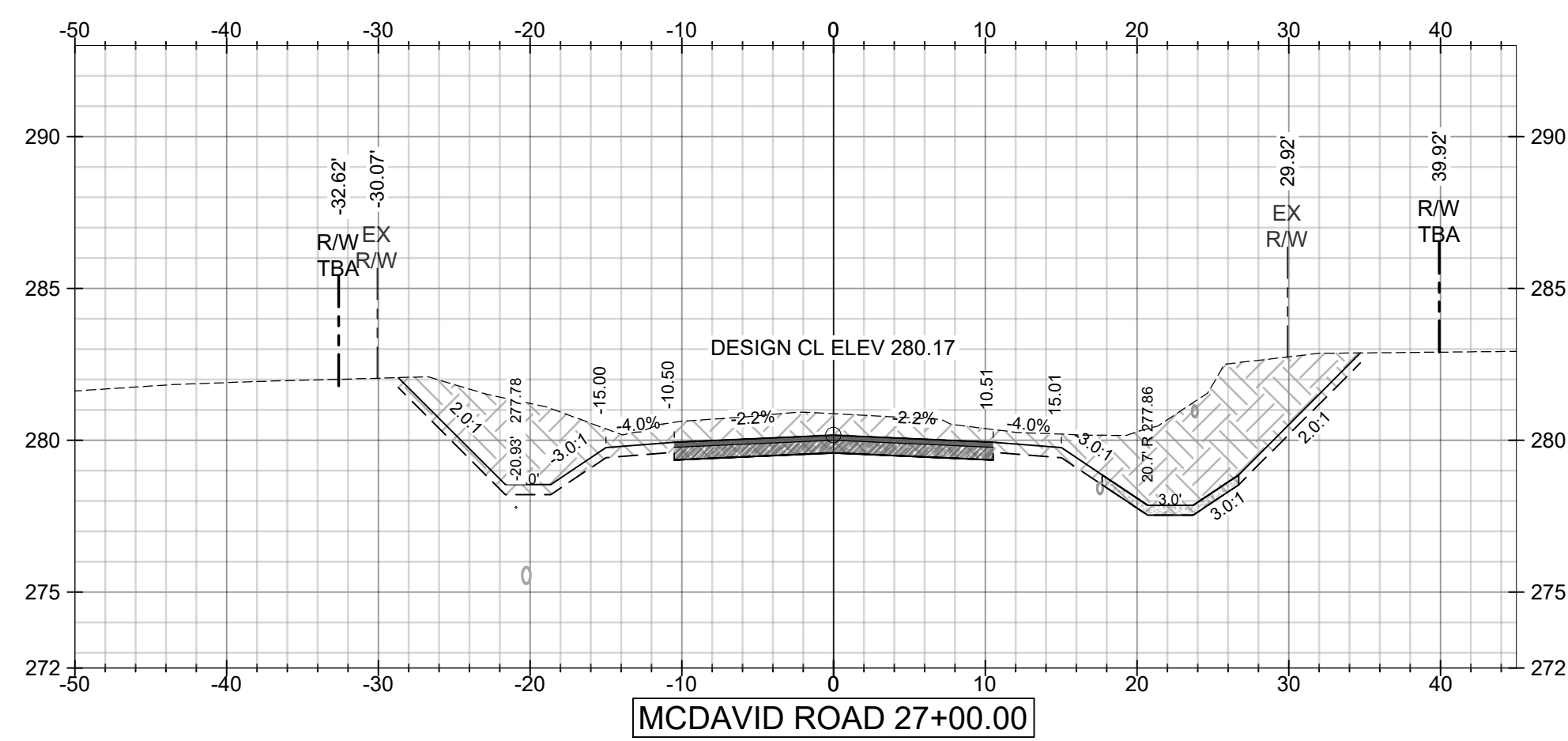
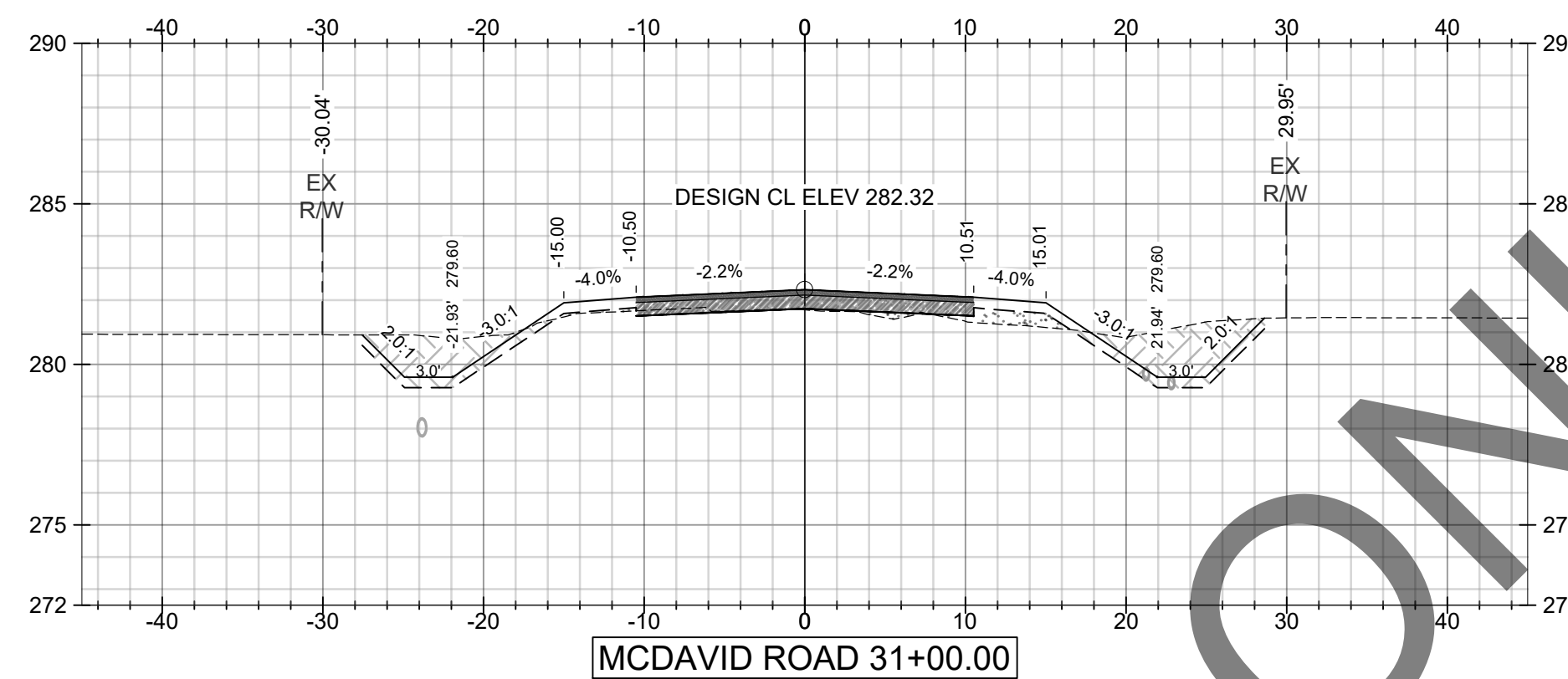
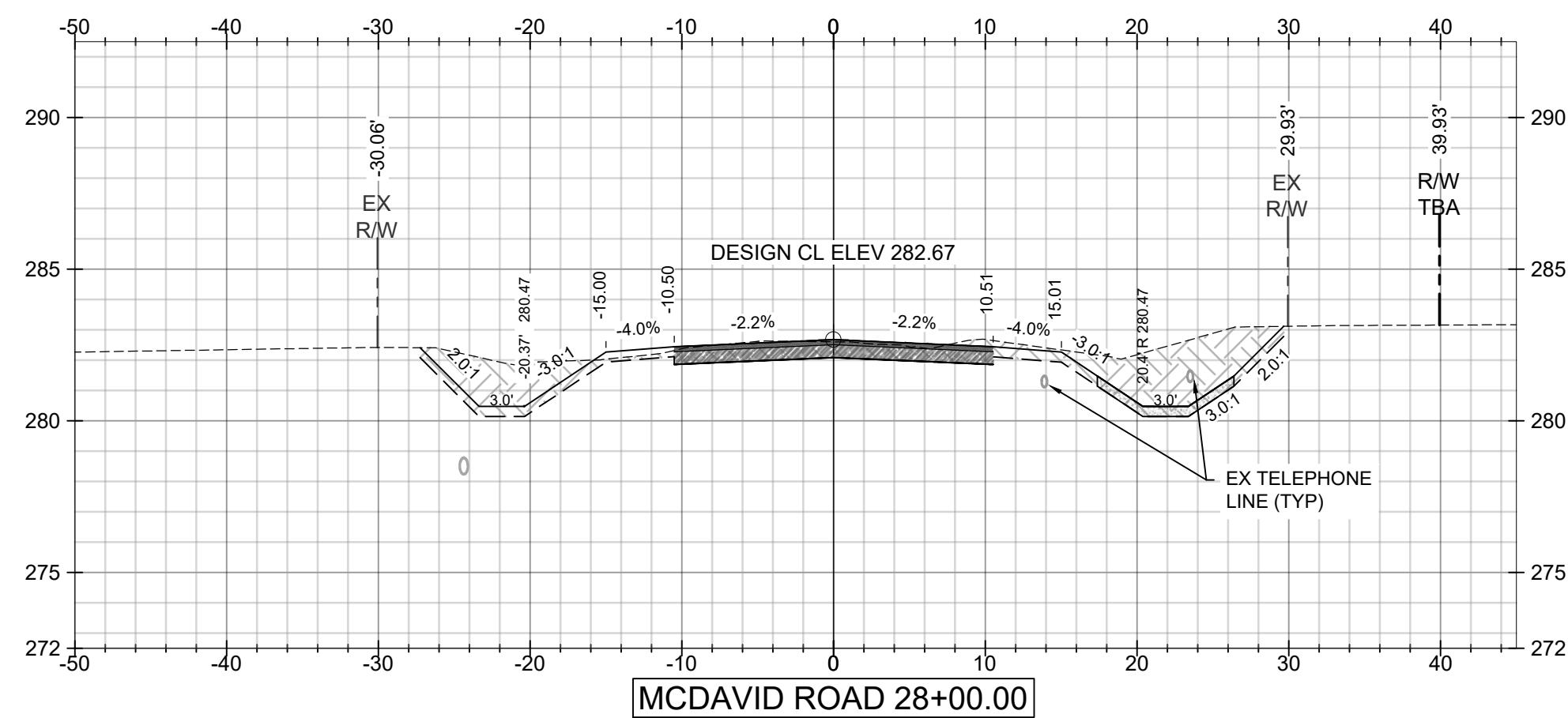
Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com



TITLE:		MCR-2018-204 MCDAVID ROAD CROSS SECTIONS SHEET 4 OF 7	
DATE	SCALE	AS SHOWN	
02/17/2020			
DRAWN BY:	CHECKED BY:	APPROVED BY:	
BN	ALF	ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C15	25	E	

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

Copyright © as Driven by Driven Engineering, Inc. All Rights Reserved



FOR VIEWING ONLY TO BID
MUST PURCHASE

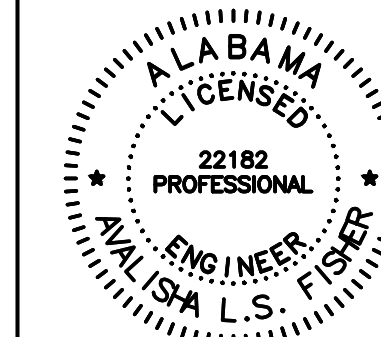
SCALE:
1"=10' HORIZ.
1"=5' VERT.

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRH	ALF	ALF	ISSUED FOR BIDS

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com

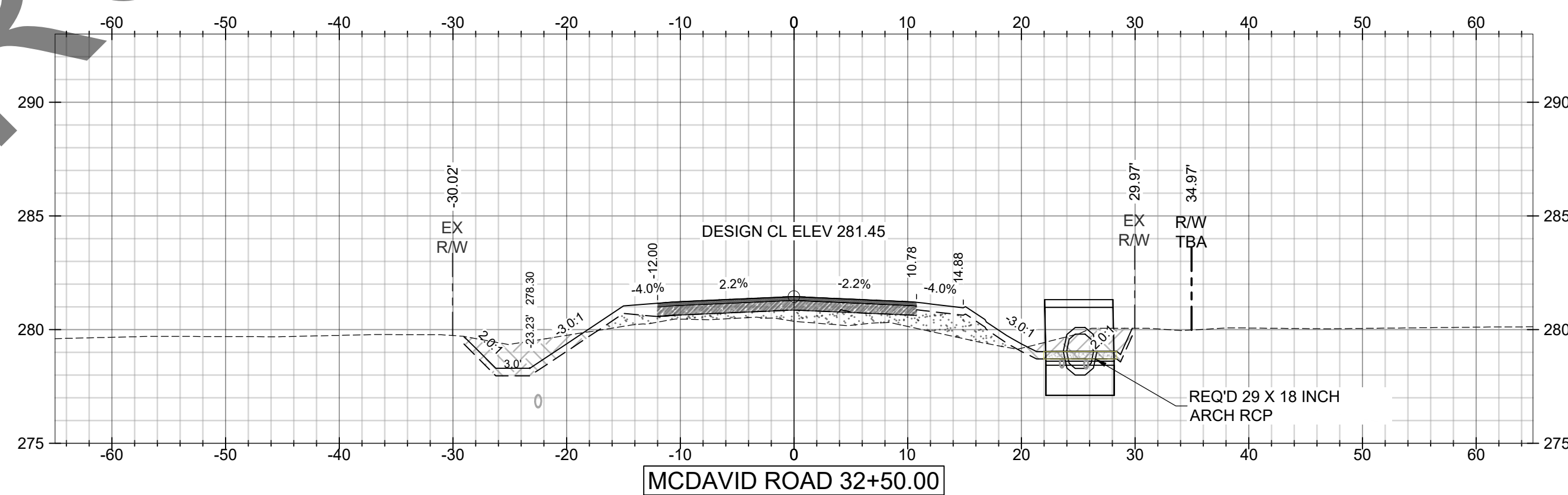
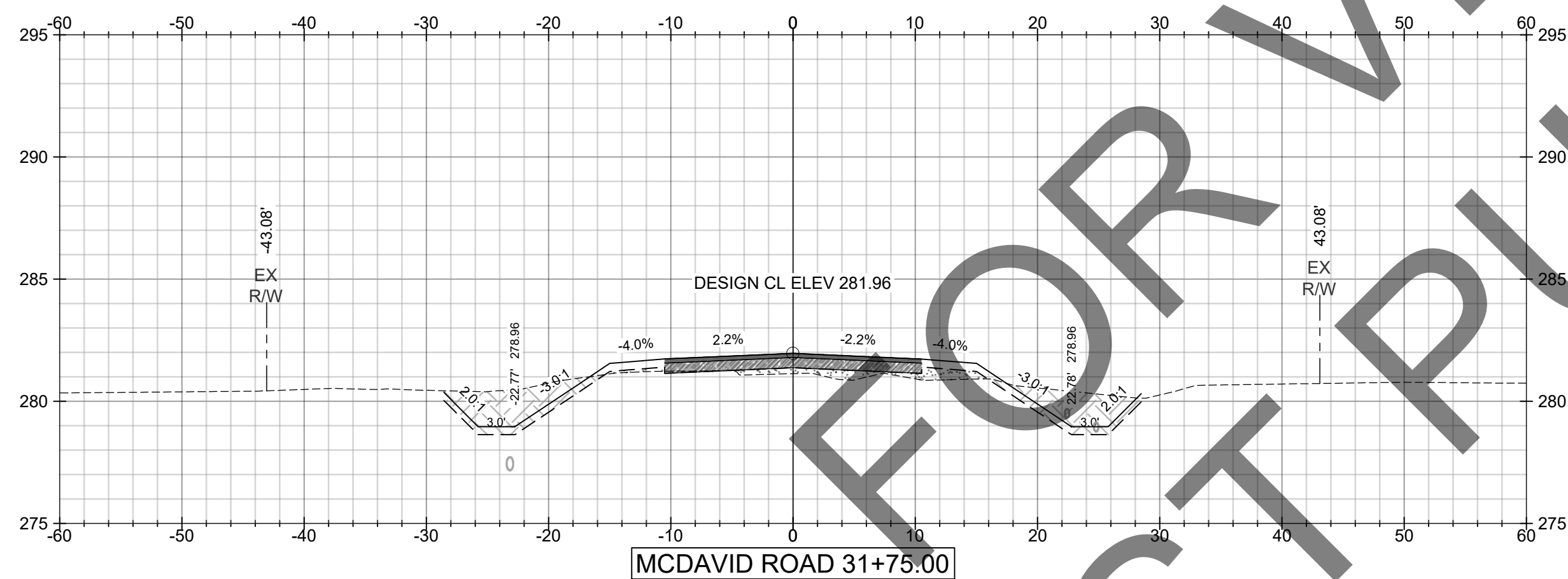
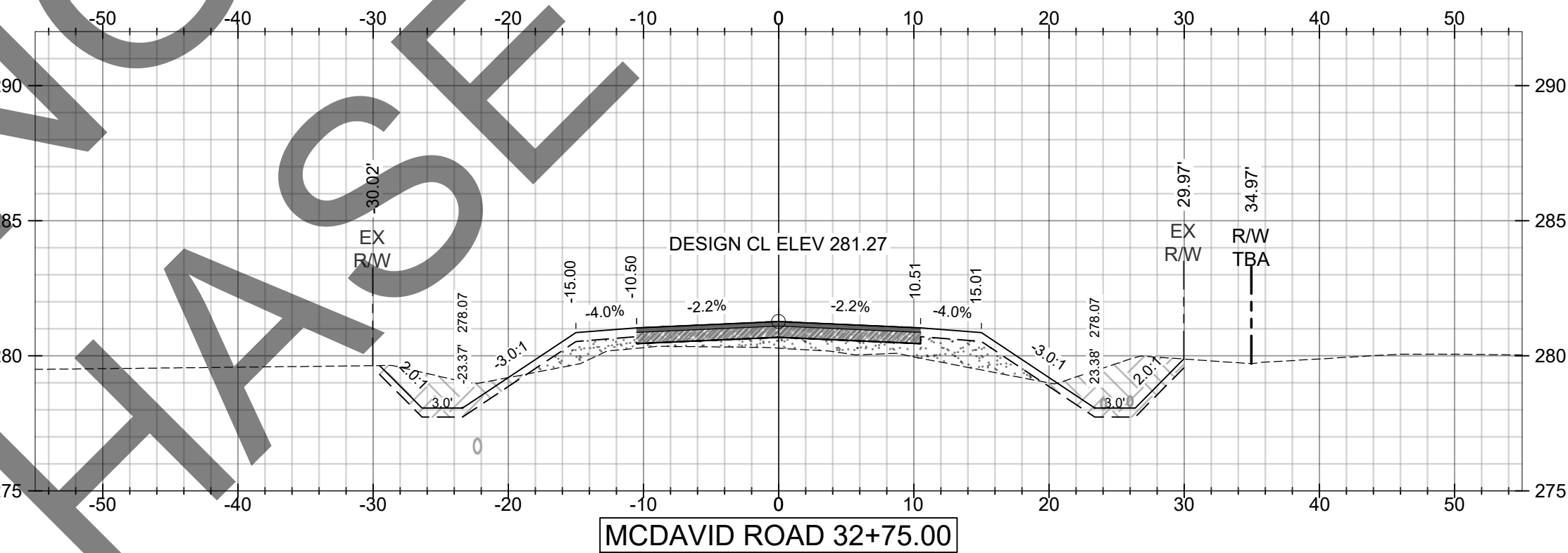
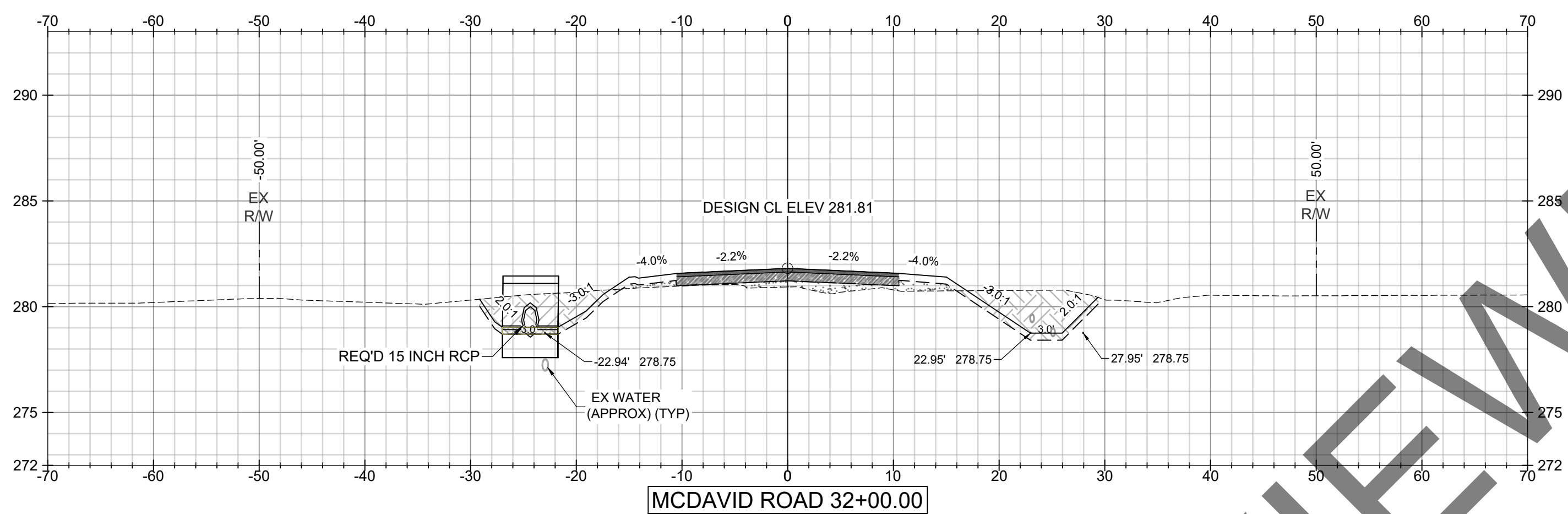
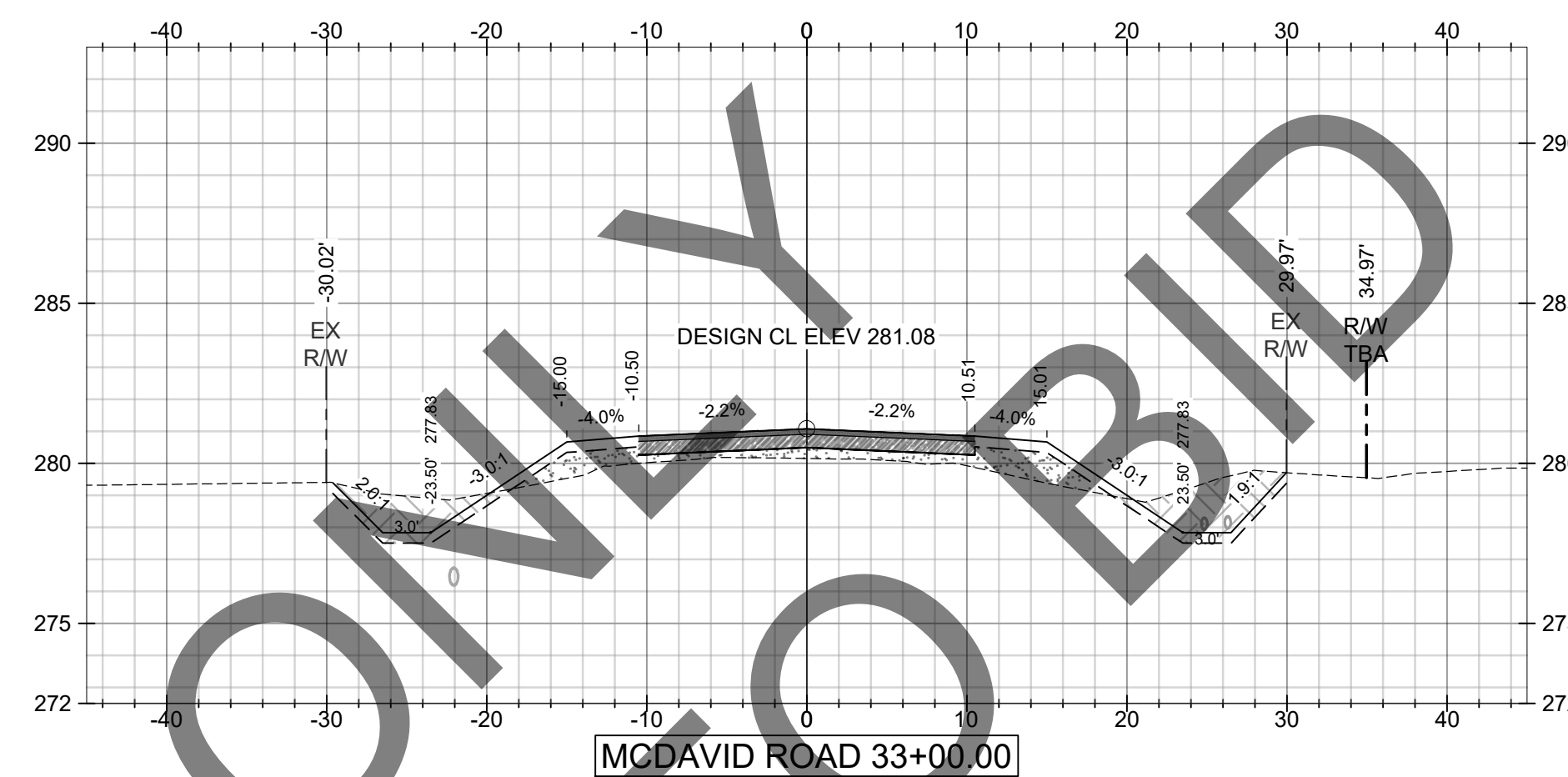
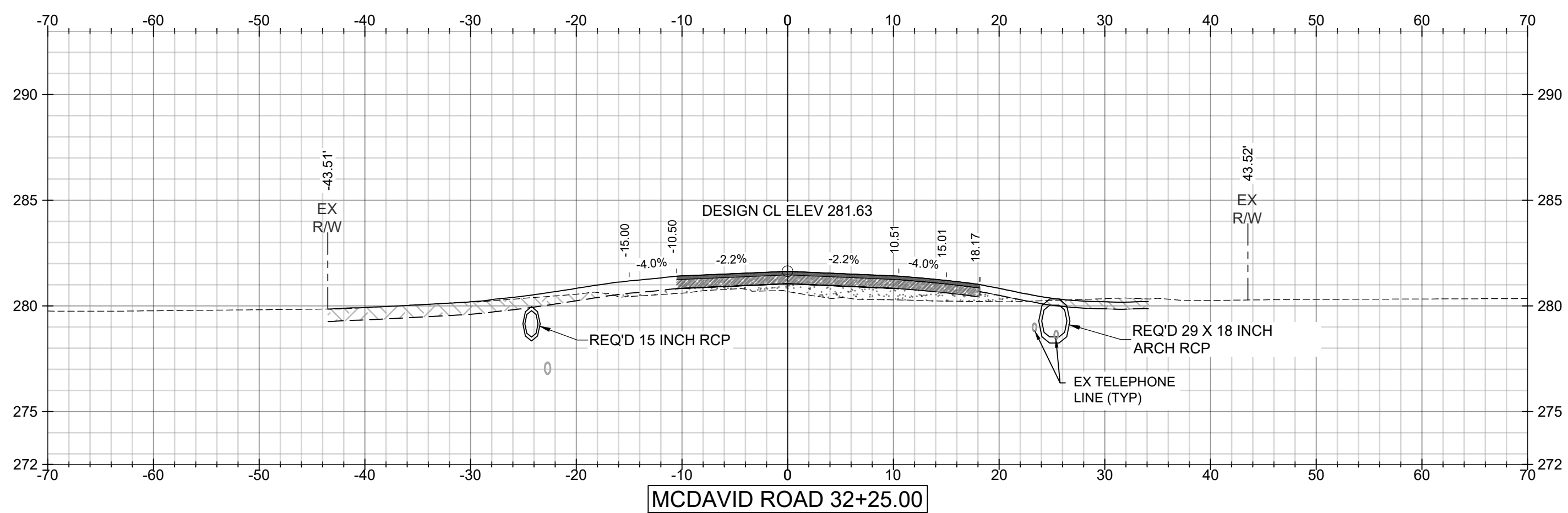


TITLE:

MCR-2018-204
MCDavid ROAD
CROSS SECTIONS
SHEET 5 OF 7

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERICAL.

DATE	02/17/2020	SCALE	AS SHOWN
DRAWN BY:	BN	CHECKED BY:	ALF
APPROVED BY:	ALF	PROJECT NUMBER:	19002
DRAWING NUMBER	C16	TOTAL SHEETS	25
REVISION			E



MUST PURCHASE TO VIEW ONLY

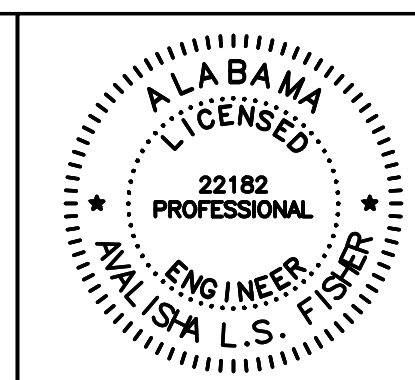
SCALE:
1"=10' HORIZ.
1"=5' VERT.

E	09/07/2021	JGF	ALF	ALF	CLIENT:
D	04/24/2020	CJF	ALF	ALF	MOBILE COUNTY COMMISSION
C	02/28/2020	BN	ALF	ALF	MERCERIA L. LUDGOOD
B	10/30/19	BN	ALF	ALF	CONNIE HUDSON
F	08/23/2023	BRN	ALF	ALF	JERRY CARL

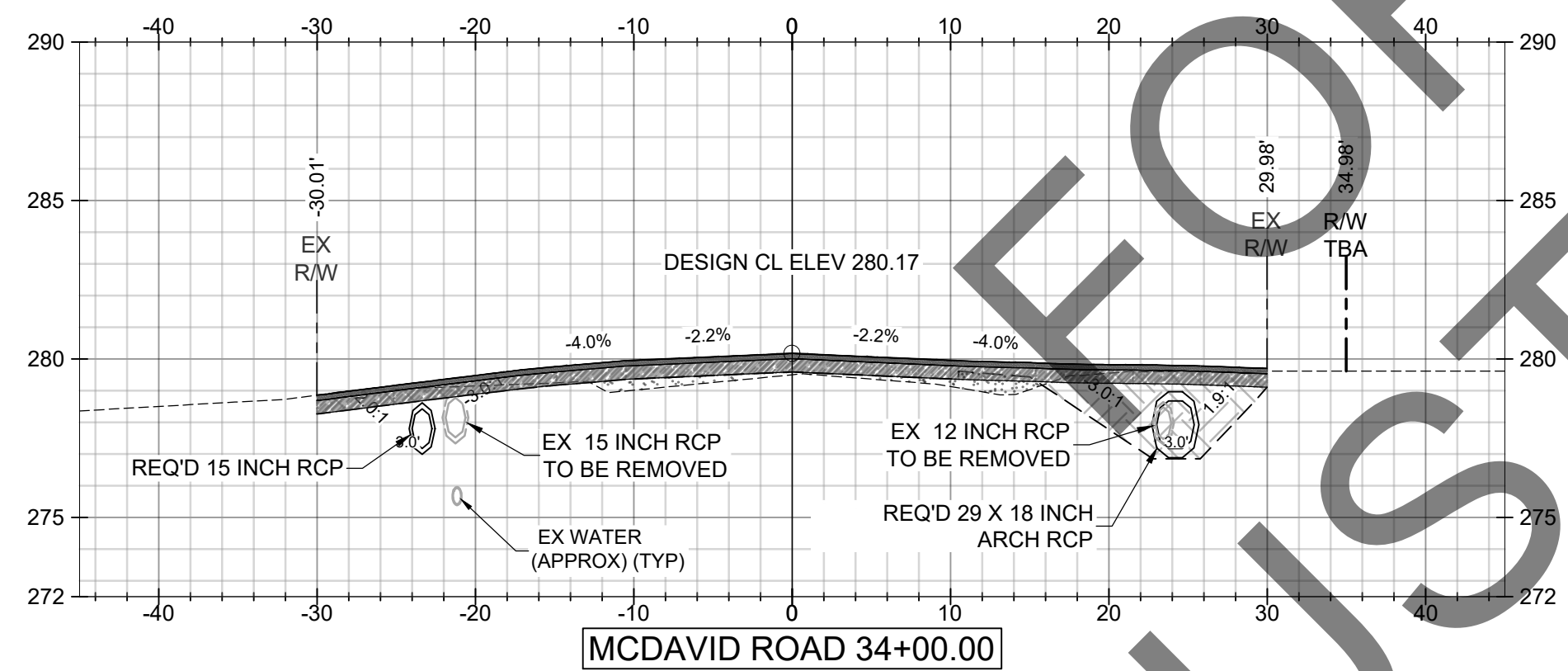
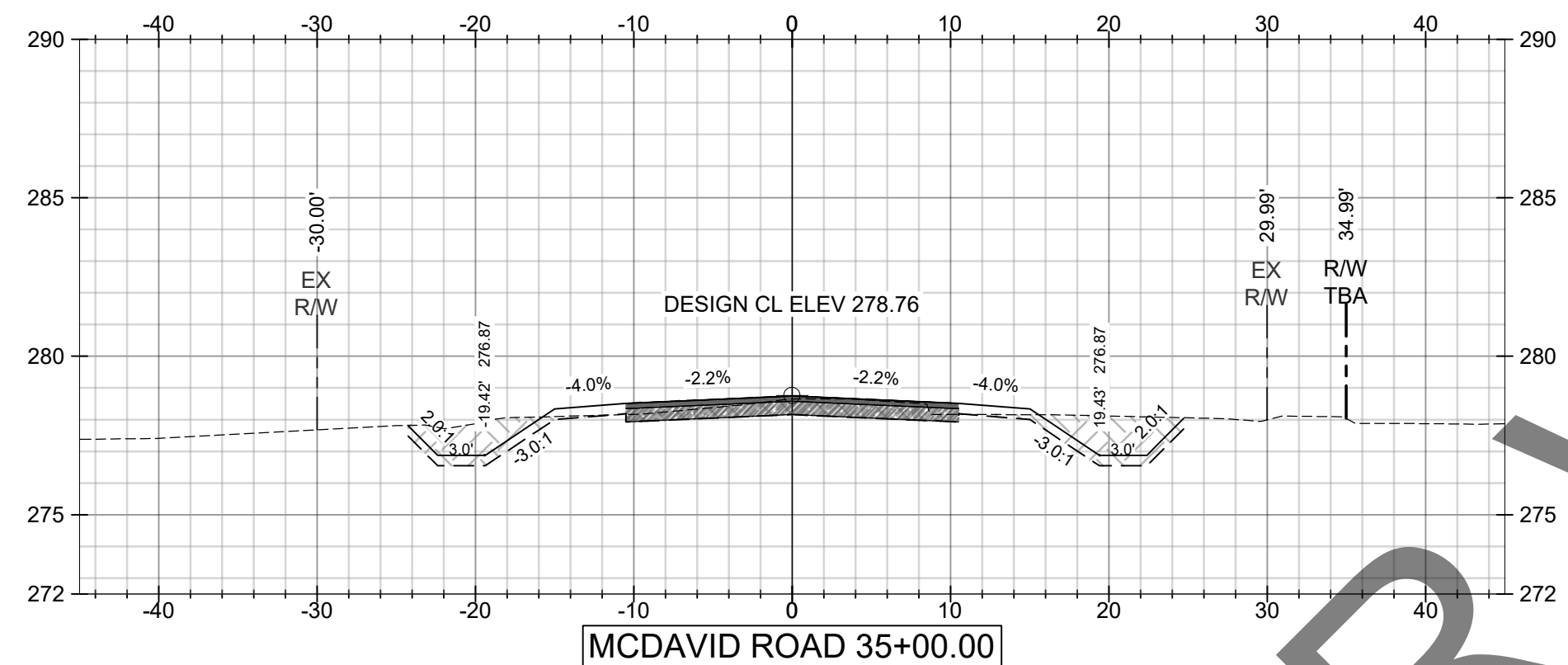
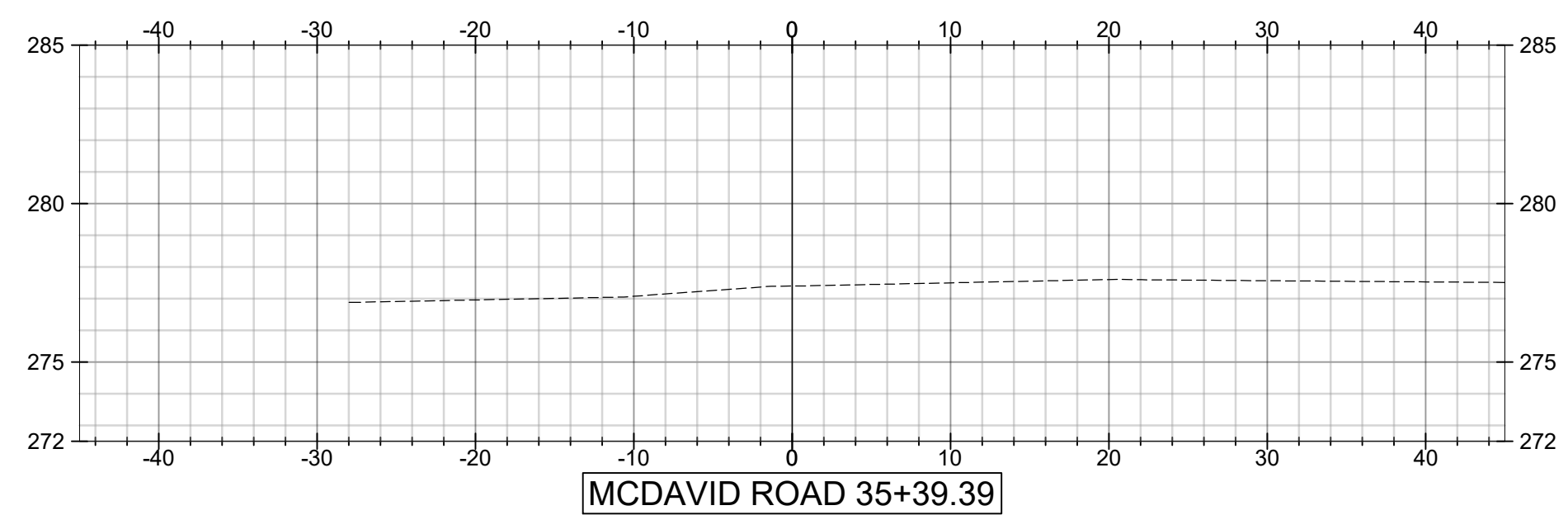
MOBILE COUNTY ALABAMA
ESTABLISHED 1821

Driven Engineering, Inc.

8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com



TITLE:		MCR-2018-204	
		MCDAVID ROAD	
		CROSS SECTIONS	
		SHEET 6 OF 7	
<small>PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERICAL.</small>			
<small>Copyright © as Driven by Driven Engineering, Inc. All Rights Reserved.</small>			
DATE	SCALE		
02/17/2020	AS SHOWN		
DRAWN BY:	CHECKED BY:	APPROVED BY:	
BN	ALF	ALF	
DRIVEN ENGINEERING PROJECT NUMBER:		19002	
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C17	25	E	



UNCLASSIFIED EXCAVATION Volume Table			
Station	Area	Volume	Cumulative Volume
0+00.00	3.83	0.00	0.00
0+69.21	35.58	50.51	50.51
0+90.21	35.27	27.55	78.06
1+00.00	35.73	12.87	90.93
1+00.00	35.73	12.87	90.93
1+36.82	32.48	22.15	113.07
1+50.82	31.65	16.62	129.70
2+00.00	26.47	52.94	182.63
3+00.00	24.77	94.90	277.53
4+00.00	22.13	86.86	364.39
5+00.00	22.05	81.83	446.22
6+00.00	15.64	69.80	516.01
7+00.00	7.25	42.39	558.40
8+00.00	1.55	16.31	574.71
9+00.00	20.94	41.66	616.37
10+00.00	27.09	88.95	705.33
11+00.00	24.14	94.86	800.19
12+00.00	39.54	117.92	918.11
13+00.00	34.98	135.00	1056.11
14+00.00	39.03	137.05	1193.16
15+00.00	42.09	150.22	1343.37
16+00.00	51.37	173.08	1516.45
17+00.00	53.62	194.43	1710.88
18+00.00	55.93	202.87	1913.74
19+00.00	38.08	174.10	2087.84
20+00.00	61.95	185.24	2273.09
21+00.00	80.94	264.61	2537.69
22+00.00	218.75	554.98	3092.67
23+00.00	175.81	730.66	3823.34
24+00.00	35.17	390.71	4214.05
25+00.00	63.04	181.88	4395.92
26+00.00	70.73	247.72	4643.64
27+00.00	111.82	338.06	4981.71
28+00.00	53.07	305.35	5287.05
28+69.42	25.59	101.44	5388.17
29+00.00	32.35	32.81	5420.98
30+00.00	16.05	89.63	5510.61
31+00.00	26.79	79.34	5589.95
31+25.00	28.66	25.67	5615.62
31+50.00	27.97	26.22	5641.84
31+75.00	28.77	26.27	5668.11
32+00.00	38.37	31.09	5699.19
32+25.00	17.49	25.86	5725.06
32+50.00	20.98	17.81	5742.87
32+75.00	23.96	20.80	5763.67
33+00.00	23.66	22.05	5785.72
34+00.00	31.13	101.47	5887.19
35+00.00	28.49	110.41	5997.60
35+39.39	0.00	20.78	6018.38

BORROW EXCAVATION Volume Table			
Station	Area	Volume	Cumulative Volume
0+00.00	0.00	0.00	0.00
0+69.21	0.00	0.00	0.00
0+90.21	0.06	0.02	0.02
1+00.00	0.00	0.01	0.03
1+00.00	0.00	0.01	0.03
1+36.82	0.04	0.03	0.06
1+50.82	0.00	0.01	0.07
2+00.00	0.10	0.09	0.16
3+00.00	0.47	1.07	1.23
4+00.00	0.52	1.83	3.06
5+00.00	1.46	3.67	6.73
6+00.00	4.63	11.28	18.01
7+00.00	10.32	27.69	45.70
8+00.00	20.74	57.51	103.21
9+00.00	8.04	53.29	156.51
10+00.00	10.17	33.72	190.23
11+00.00	8.58	31.03	221.25
12+00.00	0.38	12.85	234.10
13+00.00	3.78	7.65	241.75
14+00.00	3.12	12.78	254.53
15+00.00	4.33	13.80	268.32
16+00.00	5.68	18.54	286.86
17+00.00	6.05	21.71	308.57
18+00.00	7.21	24.54	333.12
19+00.00	1.46	16.05	349.16
20+00.00	7.55	16.68	365.85
21+00.00	7.12	27.17	393.02
22+00.00	0.00	13.19	406.21
23+00.00	0.00	0.00	406.21
24+00.00	49.17	91.05	497.27
25+00.00	57.69	197.88	695.15
26+00.00	7.51	120.73	815.88
27+00.00	0.00	13.91	829.78
28+00.00	0.00	0.00	829.78
28+69.42	1.53	1.97	831.75
29+00.00	0.01	0.87	832.63
30+00.00	2.24	4.17	836.80
31+00.00	3.55	10.73	847.54
31+25.00	5.62	4.25	851.78
31+50.00	5.94	5.35	857.14
31+75.00	6.20	5.62	862.76
32+00.00	7.74	6.45	869.21
32+25.00	13.09	9.64	878.86
32+50.00	16.89	13.88	892.74
32+75.00	17.72	16.02	908.76
33+00.00	15.58	15.42	924.18
34+00.00	7.09	41.97	966.15
35+00.00	0.02	13.15	979.30
35+39.39	0.00	0.01	979.31

MUST FOR VIEWING ONLY TO BID

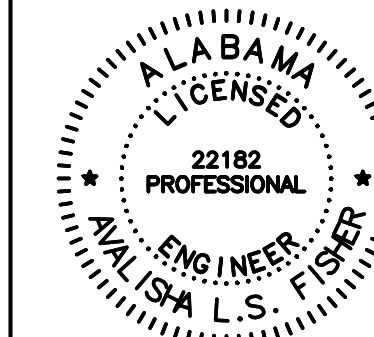
SCALE:
1"=10' HORIZ.
1"=5' VERT.

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2021	BRN	ALF	ALF	ISSUED FOR BIDS

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



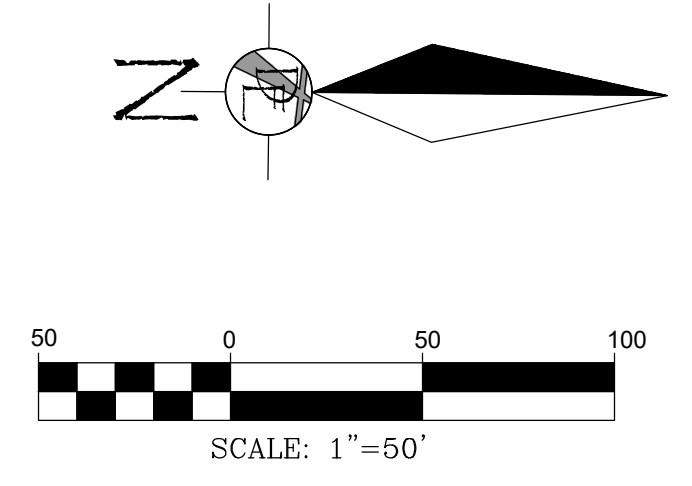
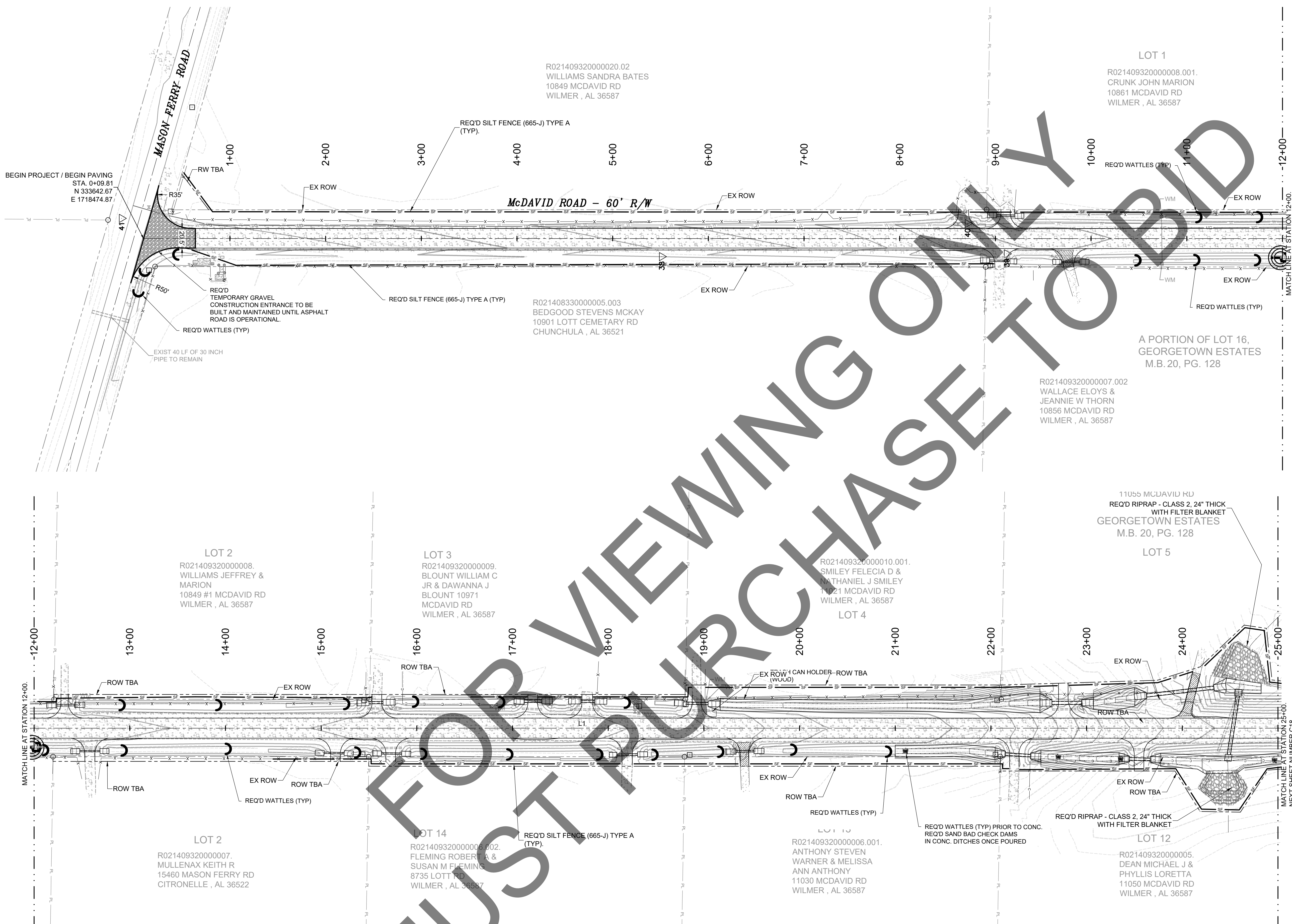
Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.driveneengineering.com



TITLE:		MCR-2018-204 MCDavid ROAD CROSS SECTIONS SHEET 7 OF 7	
DATE	SCALE	AS SHOWN	
02/17/2020			
DRAWN BY:	CHECKED BY:	APPROVED BY:	
BN	ALF	ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C18	25	E	

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL.
PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERICAL.

Copyright © as Driven by Driven Engineering, Inc. All Rights Reserved.



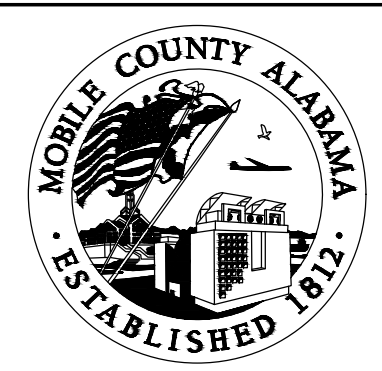
MUST BE VIEWING ONLY TO BID

SEE SHEET C02 FOR DRAWING LEGEND

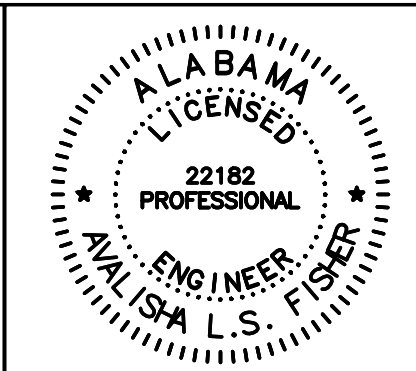
PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRN	ALF	ALF

CLIENT: MOBILE COUNTY COMMISSION
 MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL

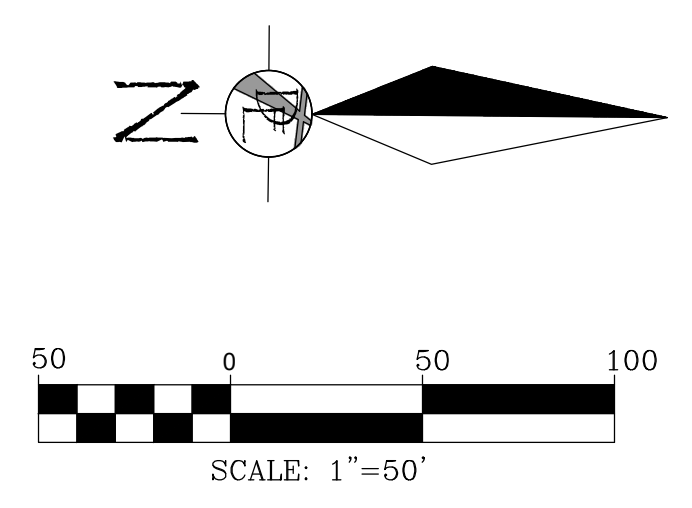
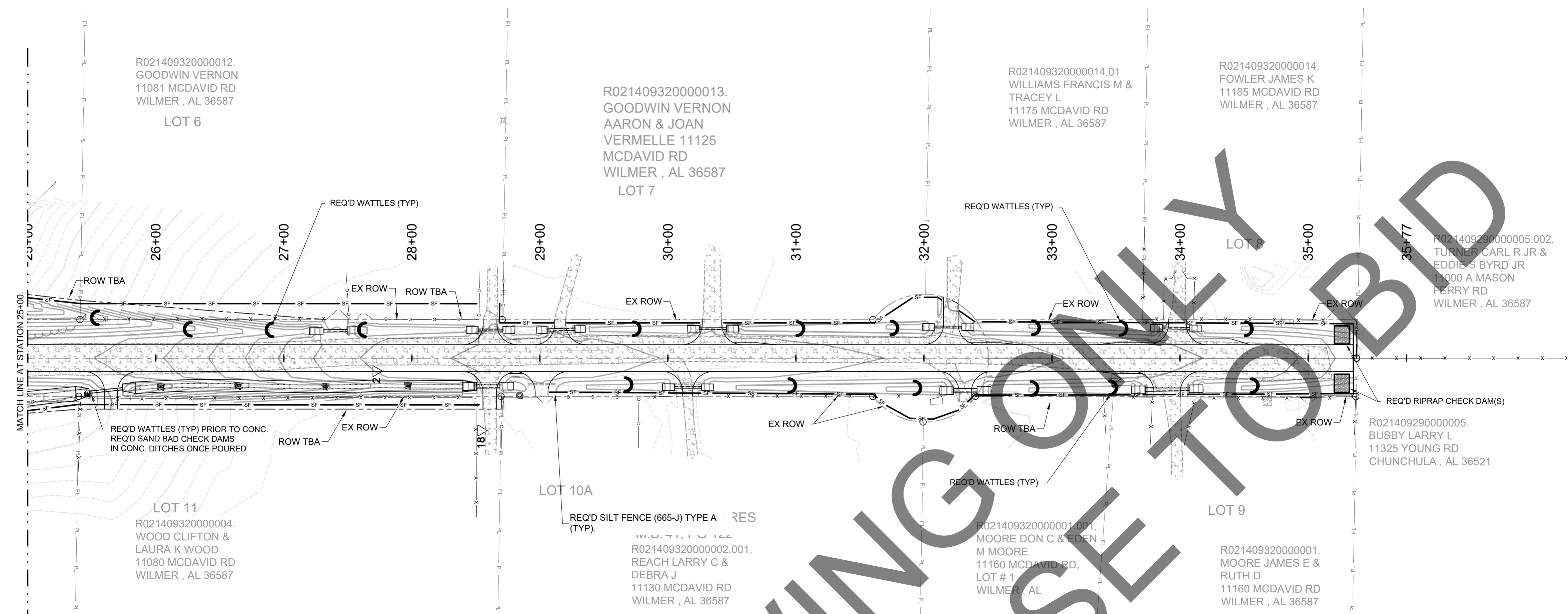


Driven Engineering, Inc.
 8005 Morris Hill Road Semmes, AL 36575
 (251) 649-4011 Office
 (251) 645-0971 Fax
 www.driveneengineering.com



TITLE: MCR-2018-204
 MCDAVID ROAD
 MCDAVID ROAD EROSION CONTROL PLAN
 SHEET 1 OF 2

DATE		SCALE	
02/17/2020		AS SHOWN	
DRAWN BY:	CHECKED BY:	APPROVED BY:	
BN	ALF	ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C19	25	E	



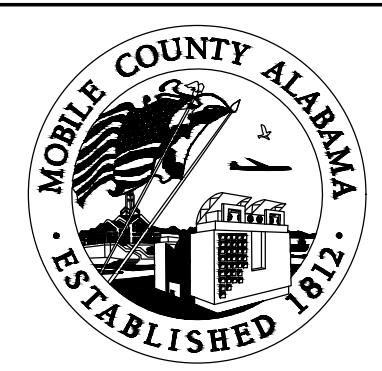
FOR VIEWING ONLY
MUST PURCHASE TO BID

SEE SHEET C02 FOR DRAWING LEGEND

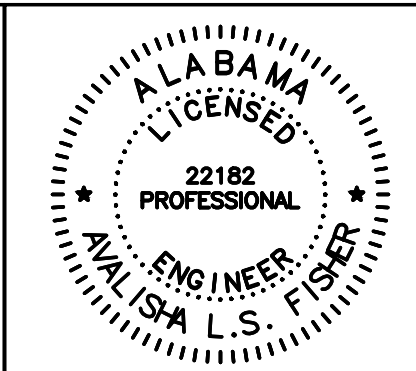
PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2021	BRH	ALF	ALF

CLIENT:
MOBILE COUNTY COMMISSION
 MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL



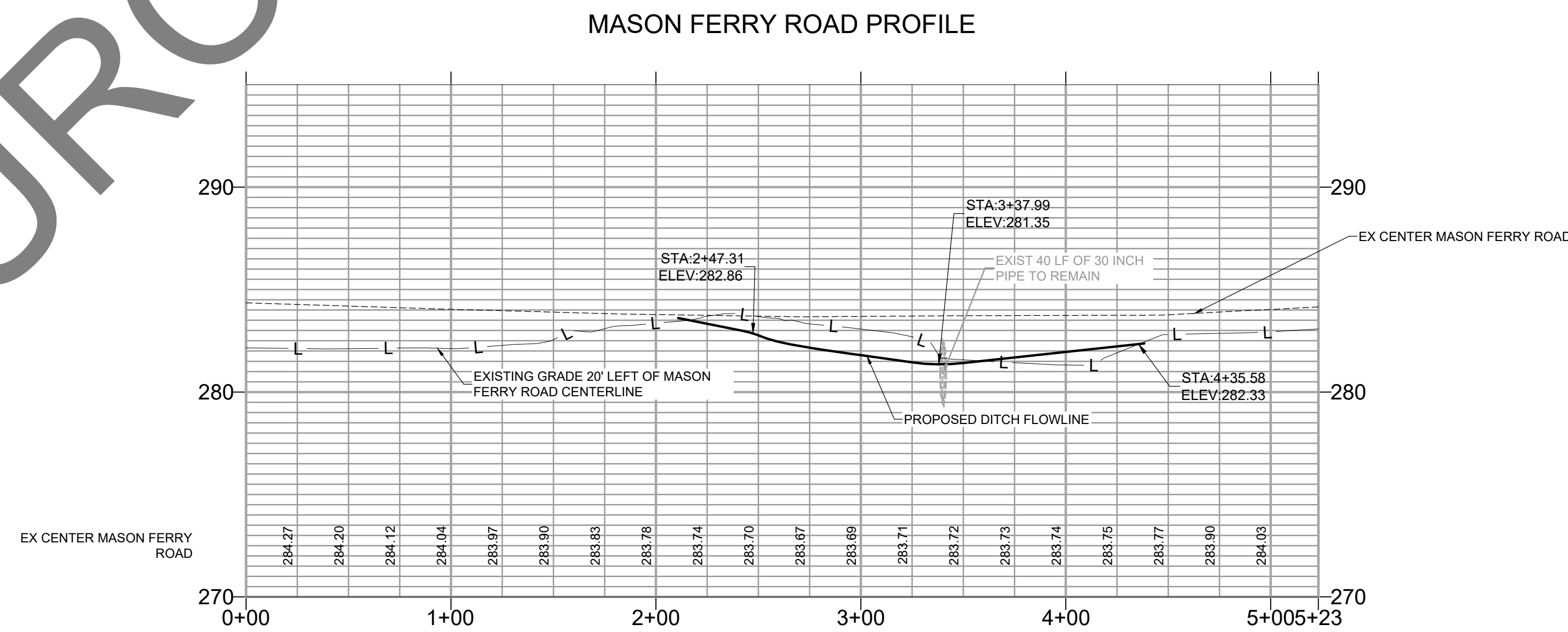
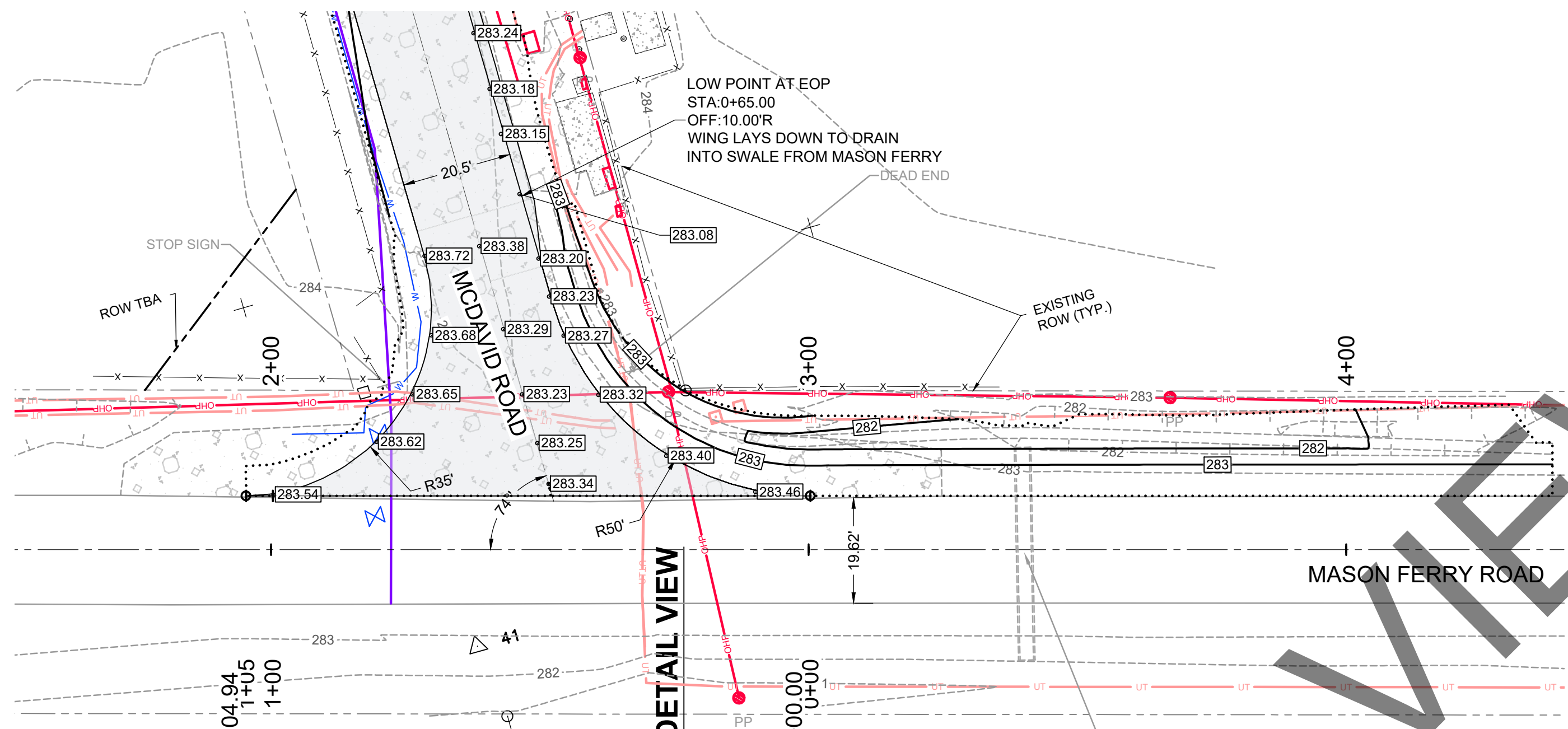
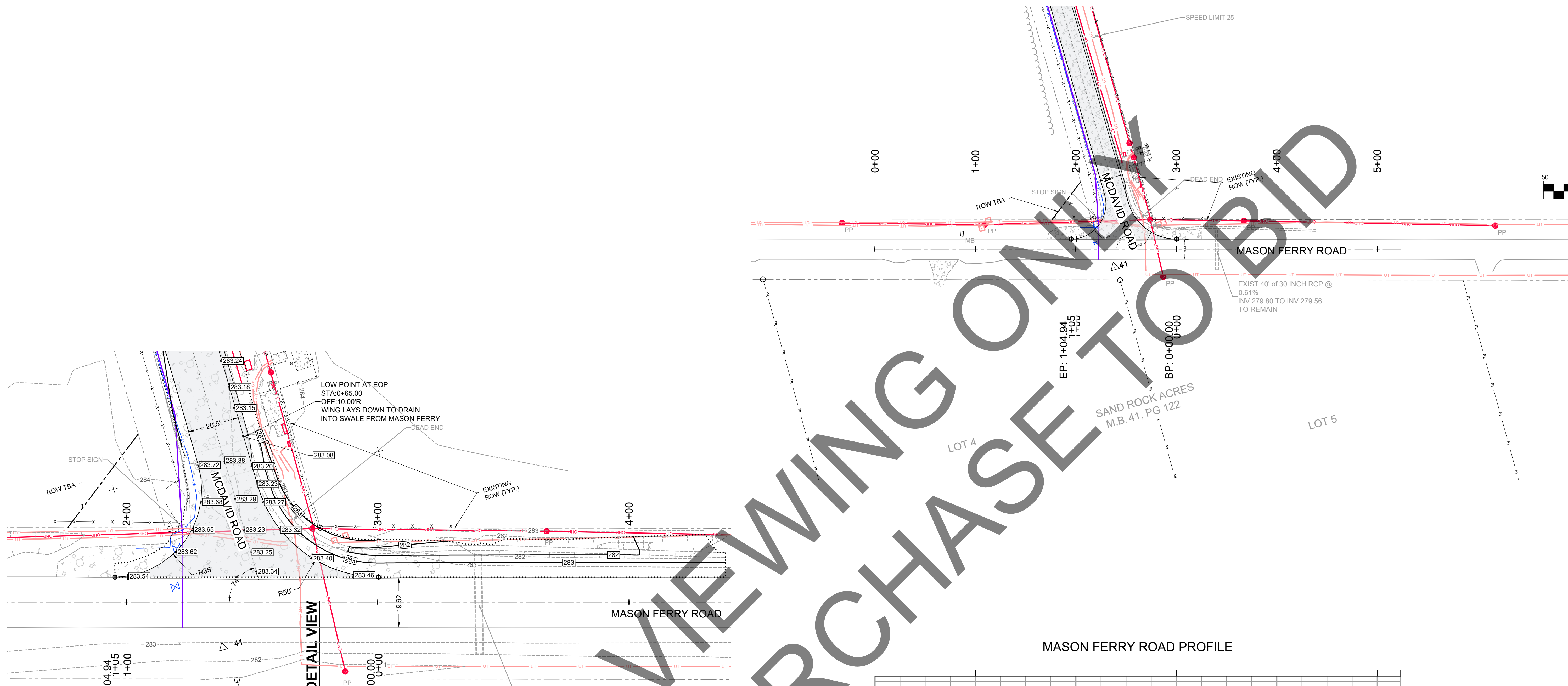
Driven Engineering, Inc.
 8005 Morris Hill Road Semmes, AL 36575
 (251) 649-4011 Office
 (251) 645-0971 Fax
 www.driveneengineering.com



TITLE:
MCR-2018-204
MCDavid ROAD
MCDavid ROAD EROSION CONTROL PLAN
SHEET 2 OF 2

Copyright © as Defted by Driven Engineering, Inc. All Rights Reserved.


DATE	SCALE	
02/17/2020	AS SHOWN	
DRAWN BY:	CHECKED BY:	
BN	ALF	
APPROVED BY:	ALF	
DRIVEN ENGINEERING PROJECT NUMBER:	19002	
DRAWING NUMBER	TOTAL SHEETS	REVISION
C20	25	E



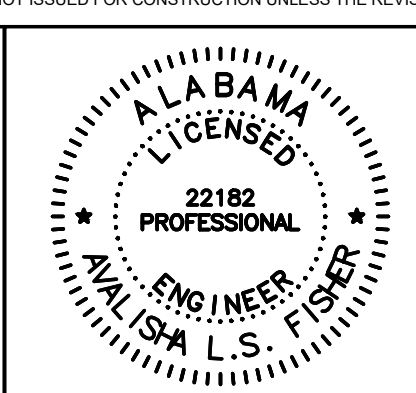
FOR VIEWING ONLY MUST PURCHASE TO BID

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRN	ALF	ALF

CLIENT: MOBILE COUNTY COMMISSION
 MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL



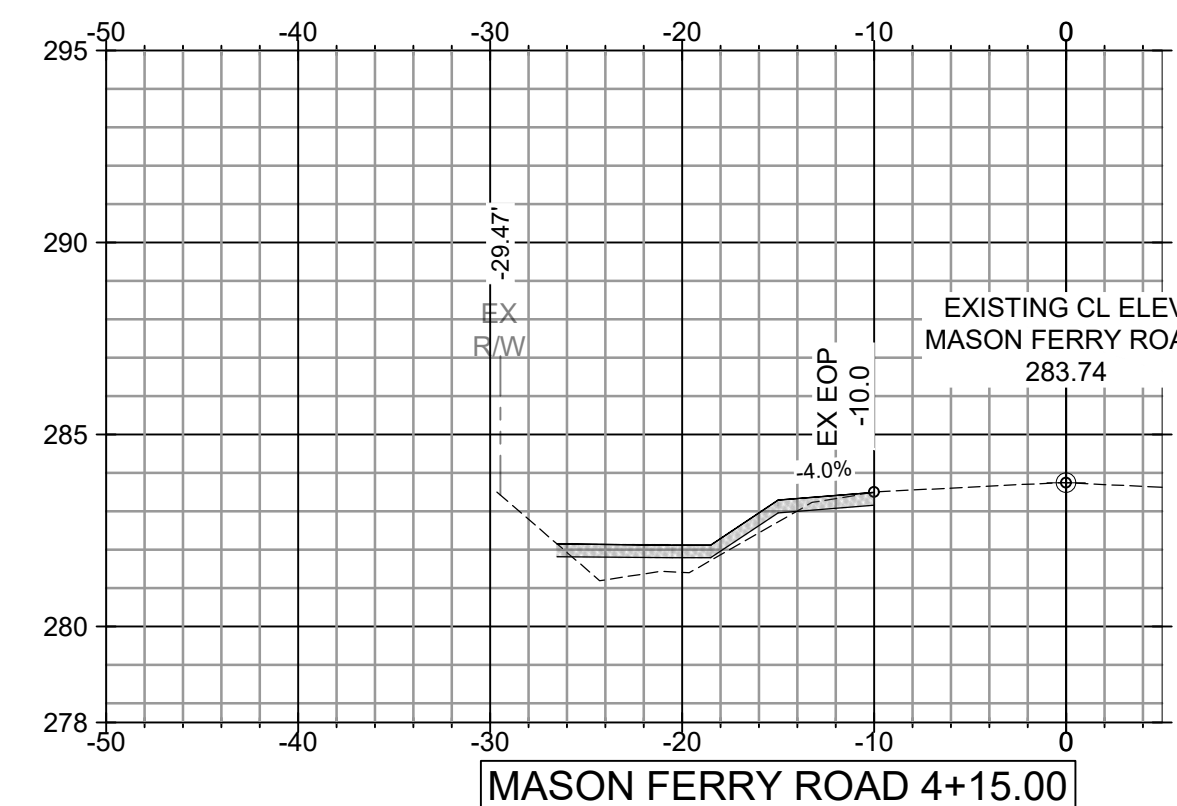
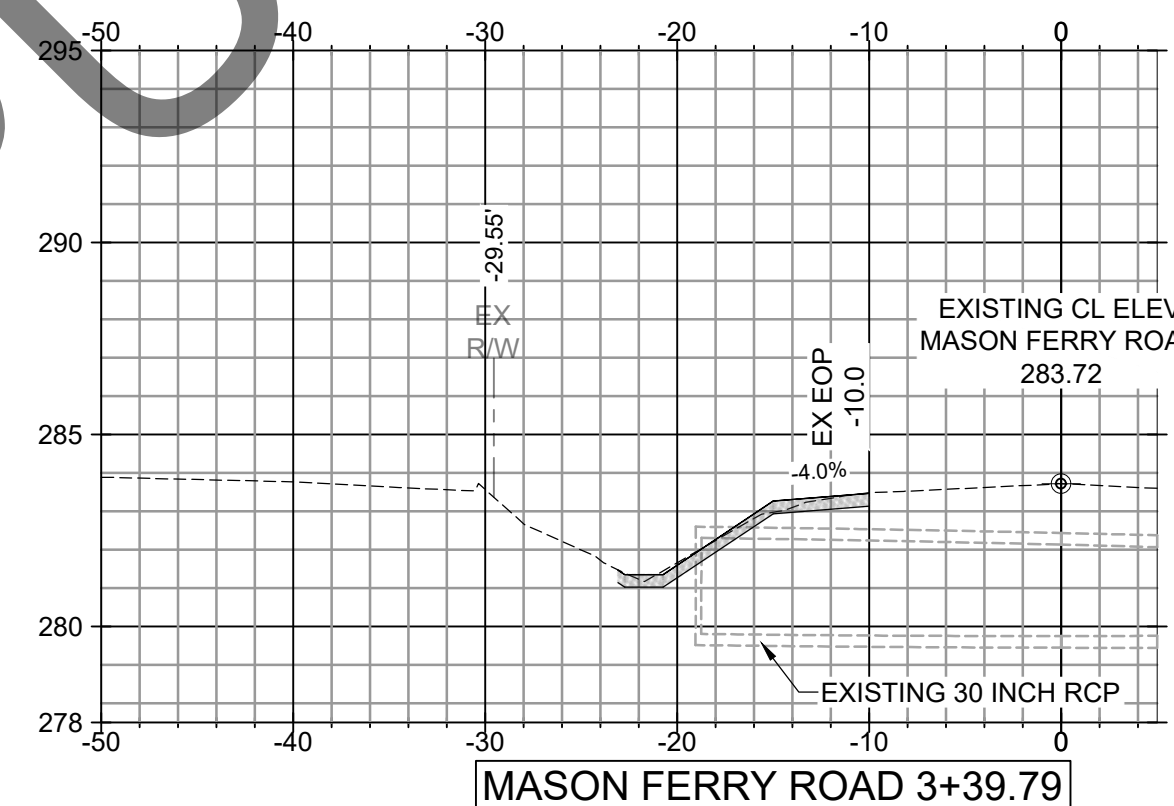
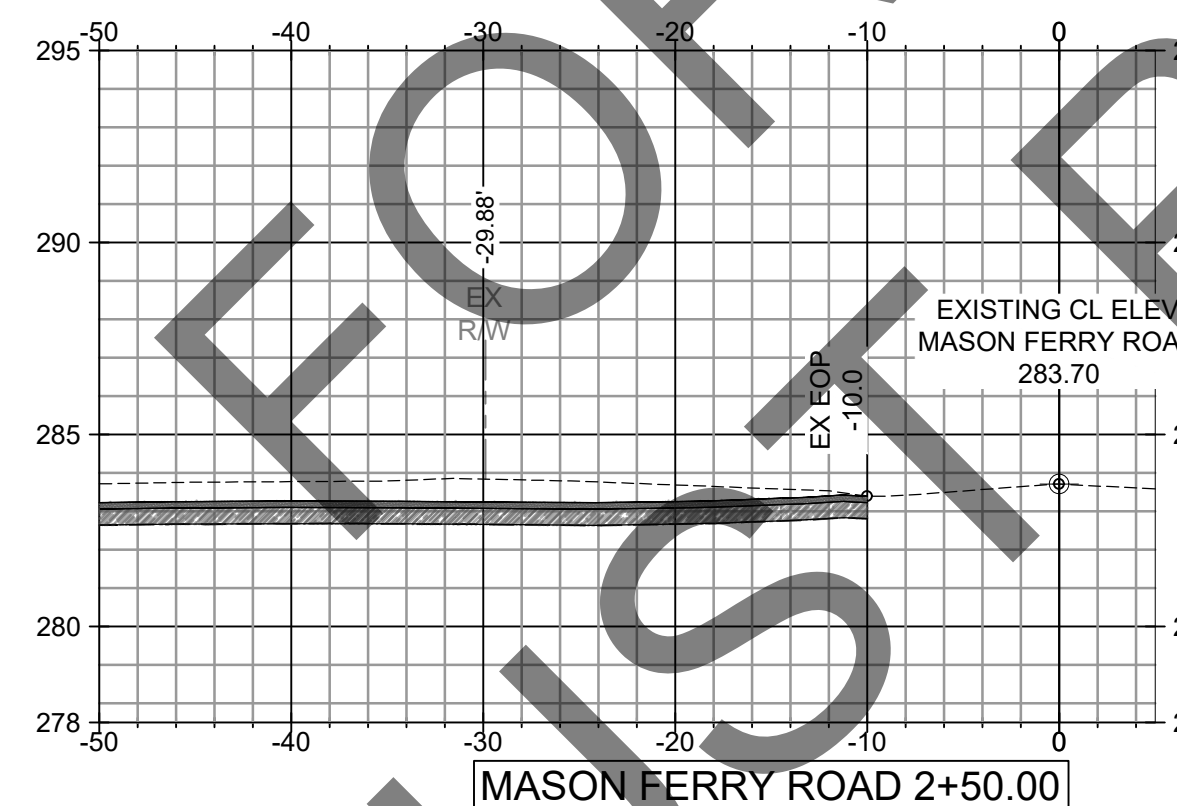
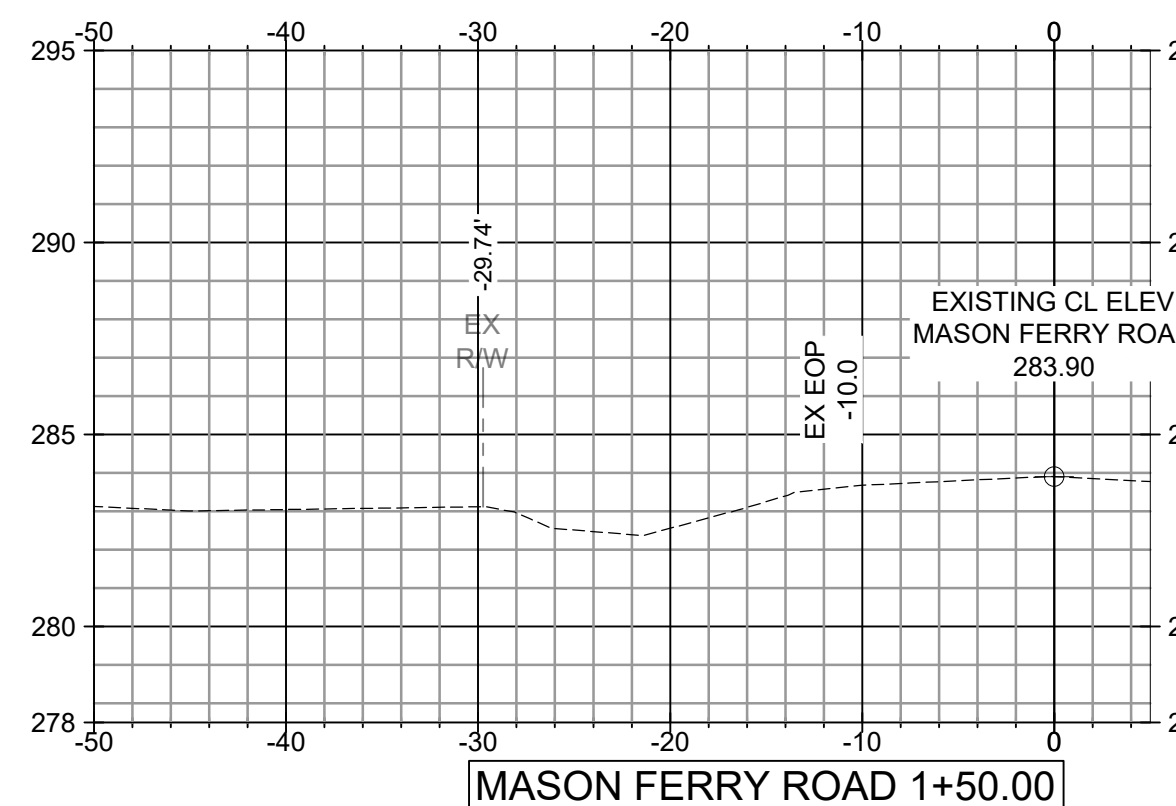
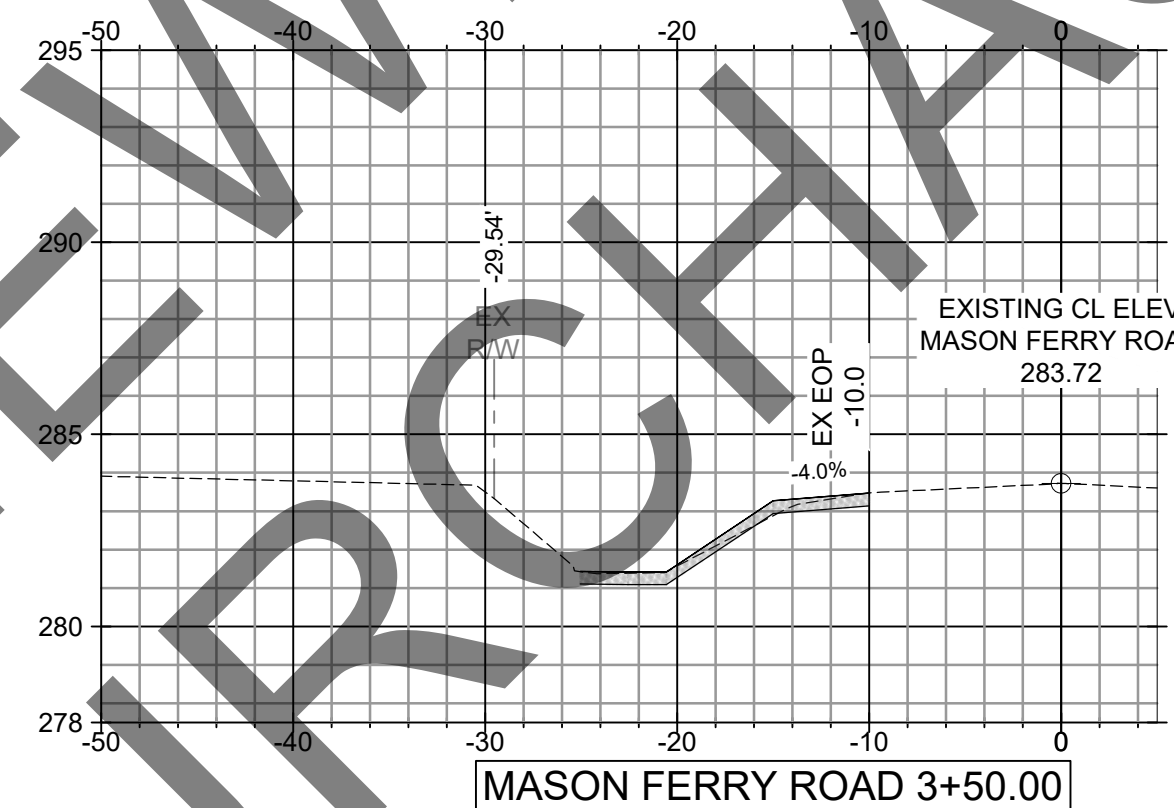
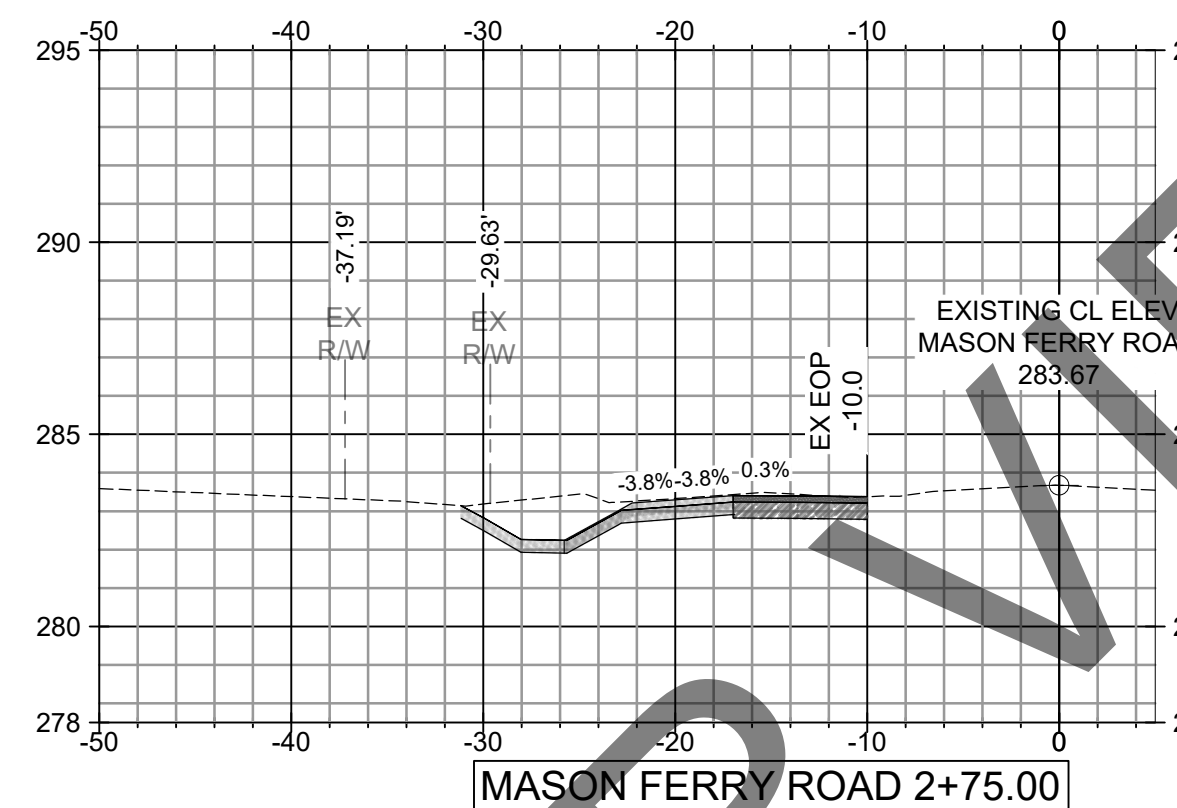
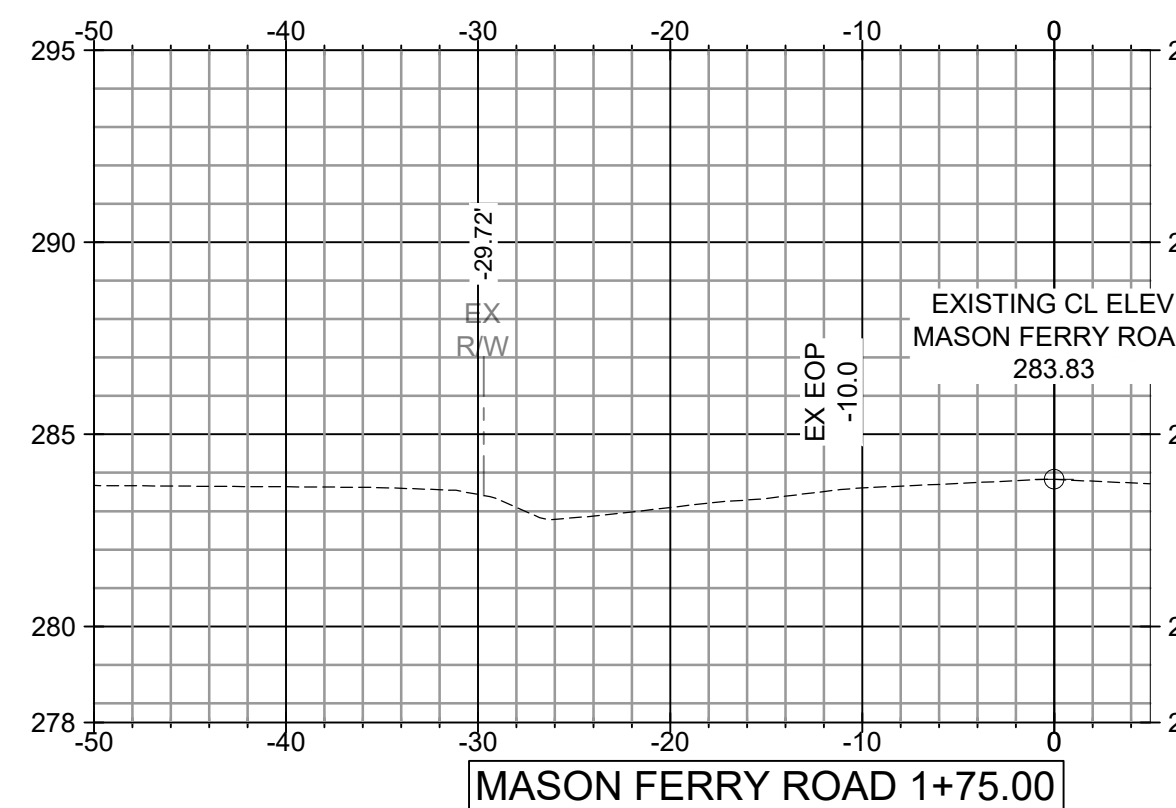
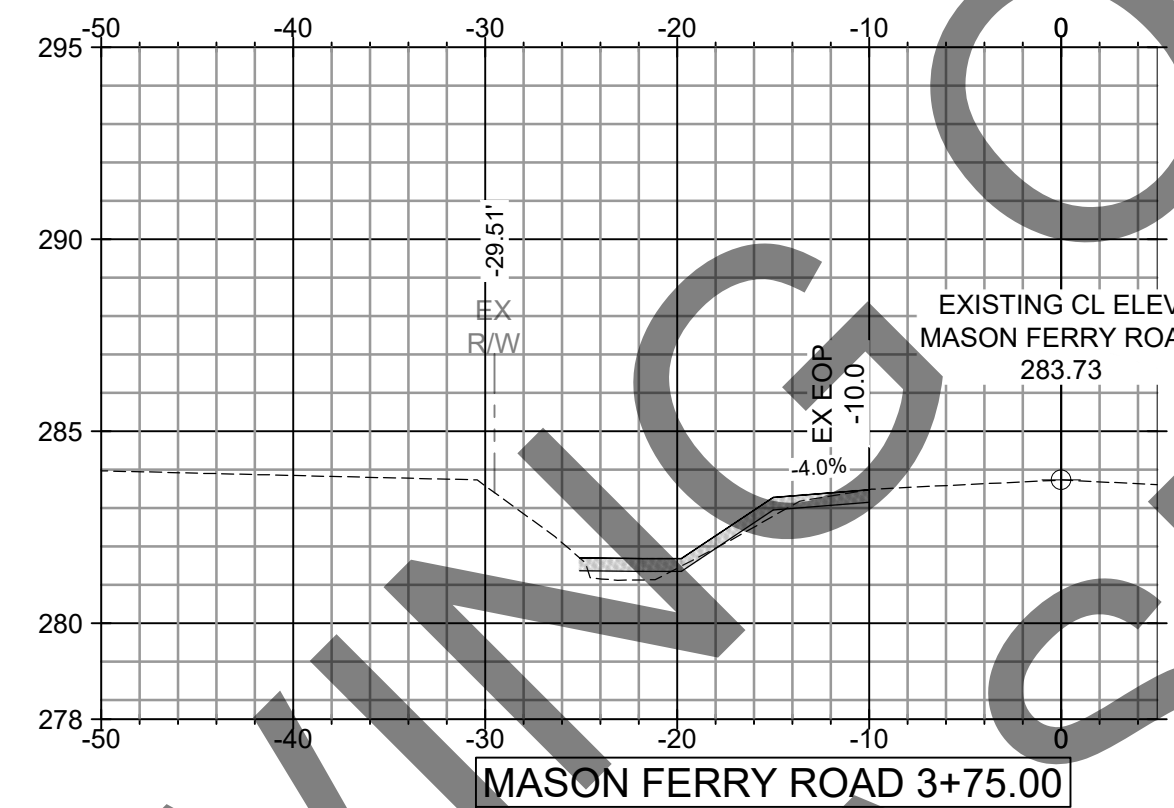
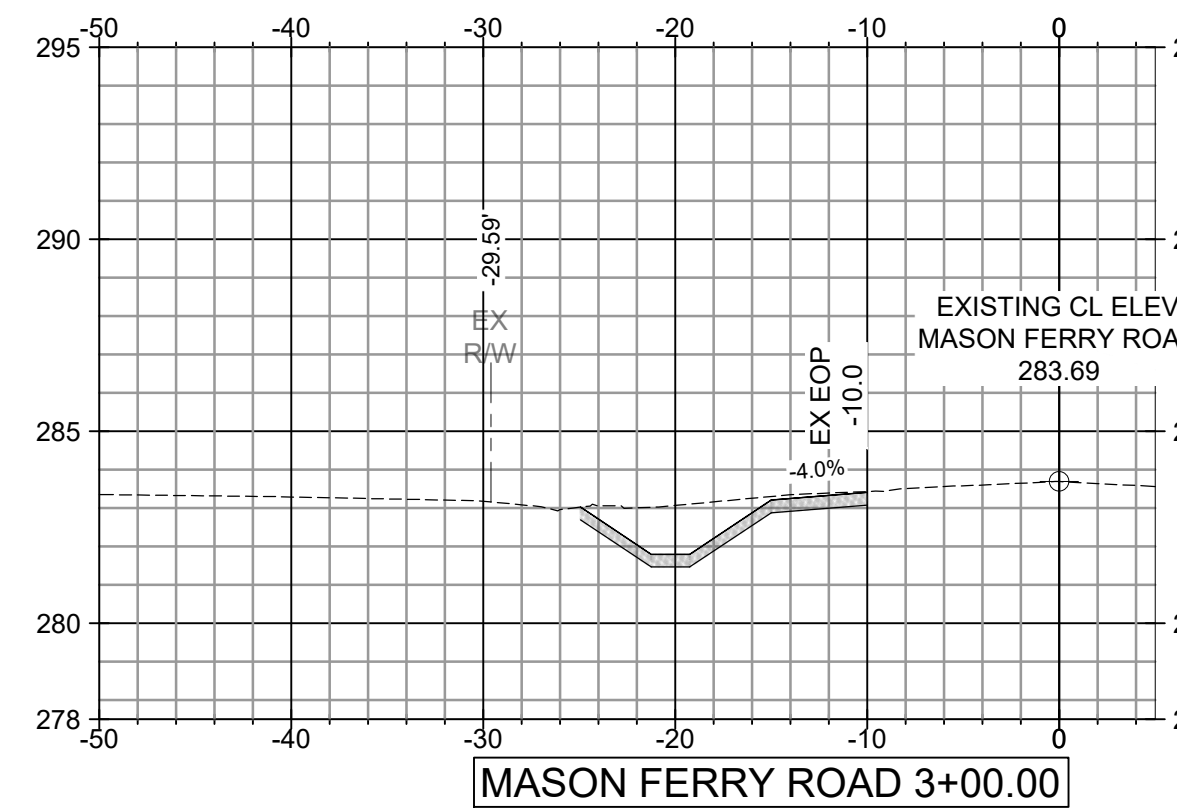
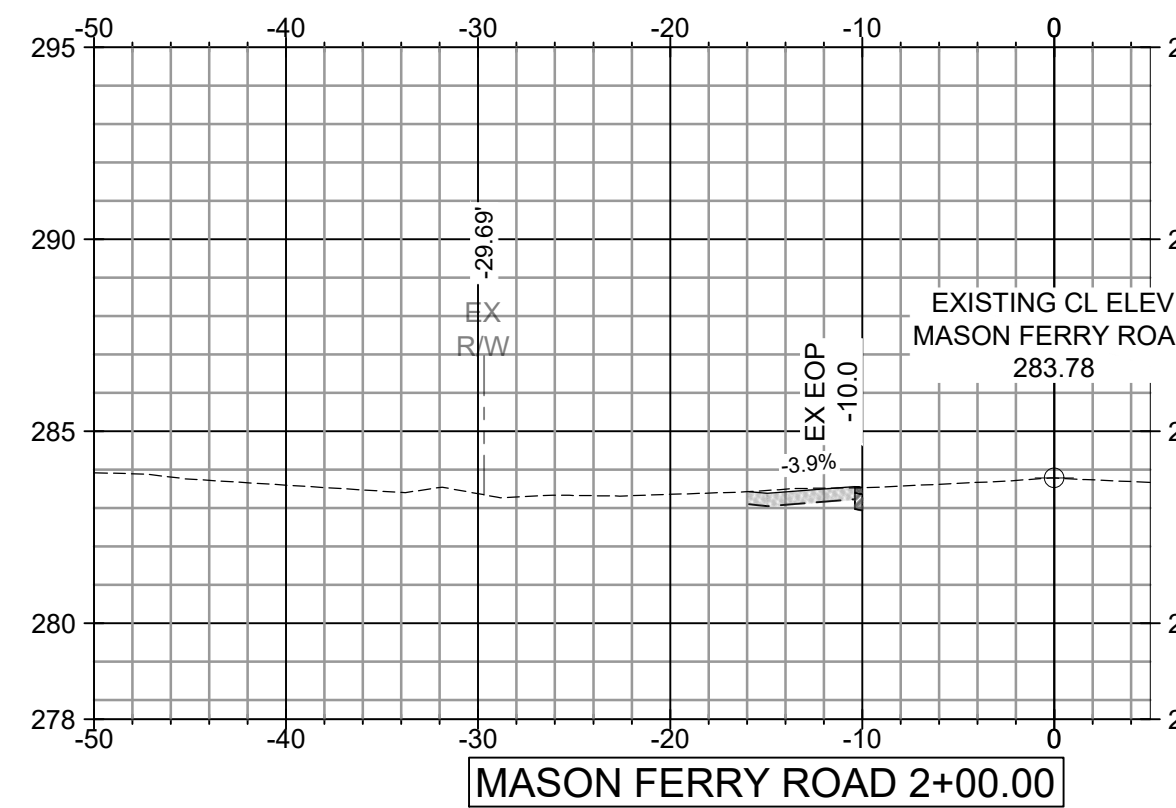
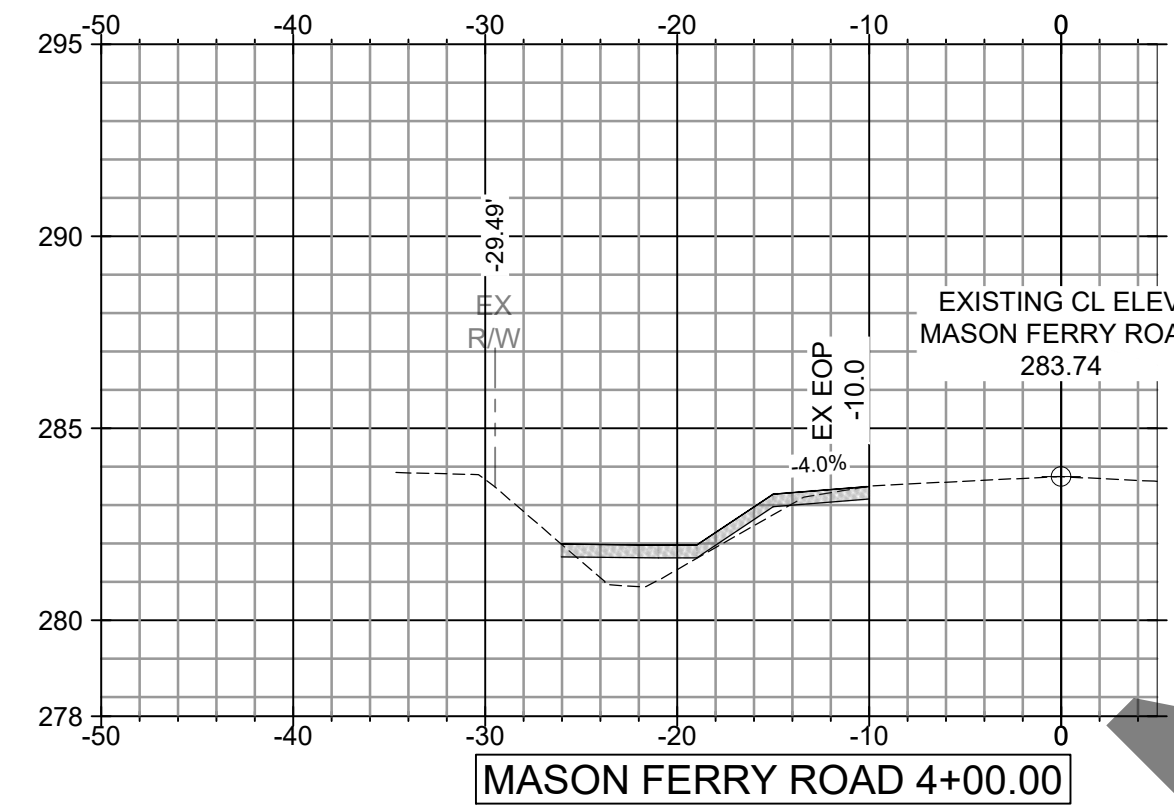
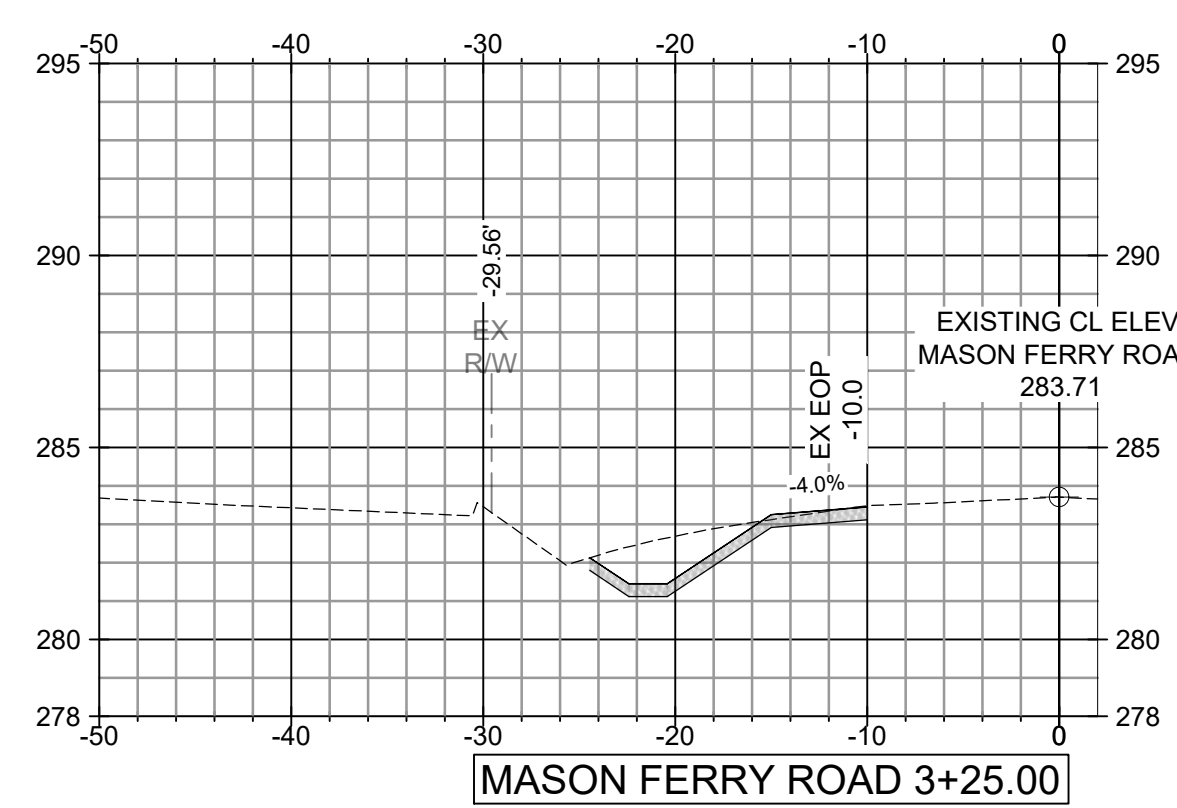
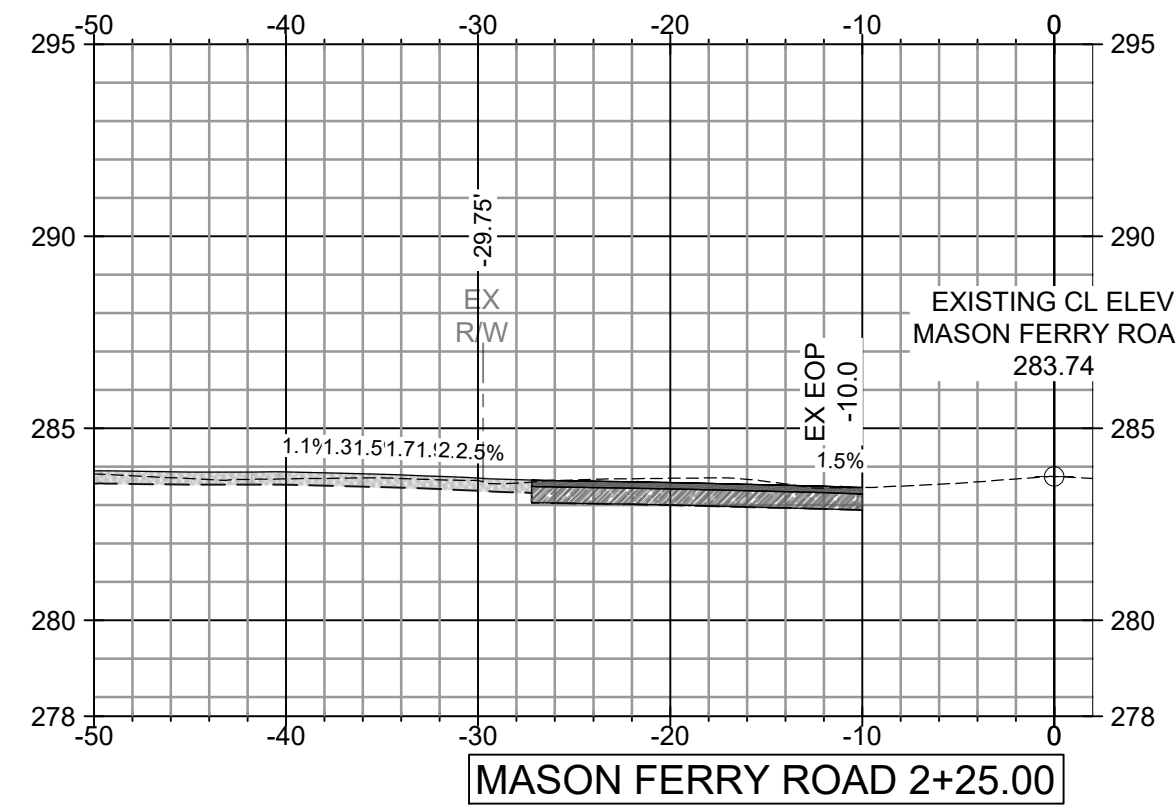
Driven Engineering, Inc.
 8005 Morris Hill Road Semmes, AL 36575
 (251) 649-4011 Office
 (251) 645-0971 Fax
 www.driveneengineering.com



TITLE: MCR-2018-204
 MCDAVID ROAD
 MASON FERRY ROAD
 PLAN AND PROFILE SHEET

DATE	02/17/2020	SCALE	AS SHOWN
DRAWN BY:	BN	CHECKED BY:	ALF
APPROVED BY:	ALF	DRIVEN ENGINEERING PROJECT NUMBER:	19002
DRAWING NUMBER	C21	TOTAL SHEETS	25
REVISION			E

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

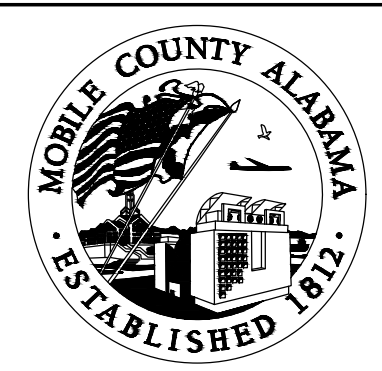


MUST PURCHASE ONLY TO BID

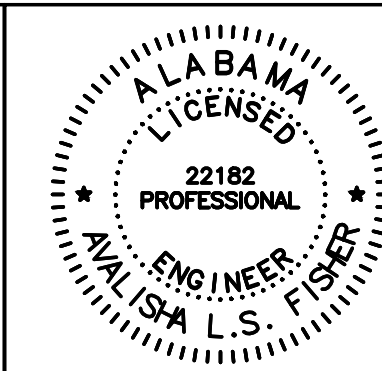
PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL
PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERICAL.

E	09/07/2021	JGF	ALF	ALF
D	04/24/2020	CJF	ALF	ALF
C	02/28/2020	BN	ALF	ALF
B	10/30/19	BN	ALF	ALF
F	08/23/2023	BRH	ALF	ALF

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com

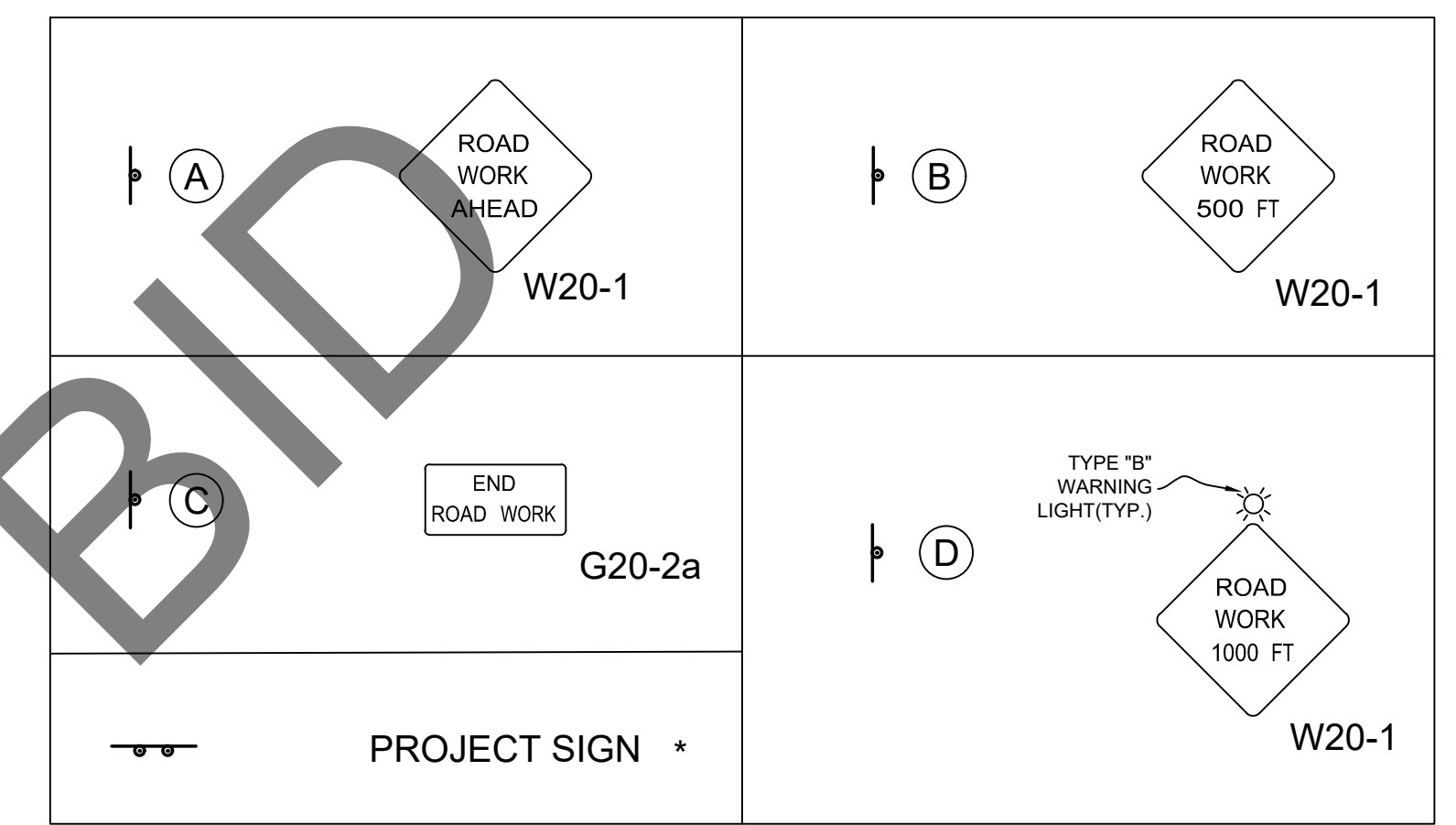


TITLE:		MCR-2018-204 MCDAVID ROAD MASON FERRY ROAD CROSS SECTIONS	
DATE	SCALE	AS SHOWN	
02/17/2020			
DRAWN BY:	CHECKED BY:	APPROVED BY:	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C22	25	E	

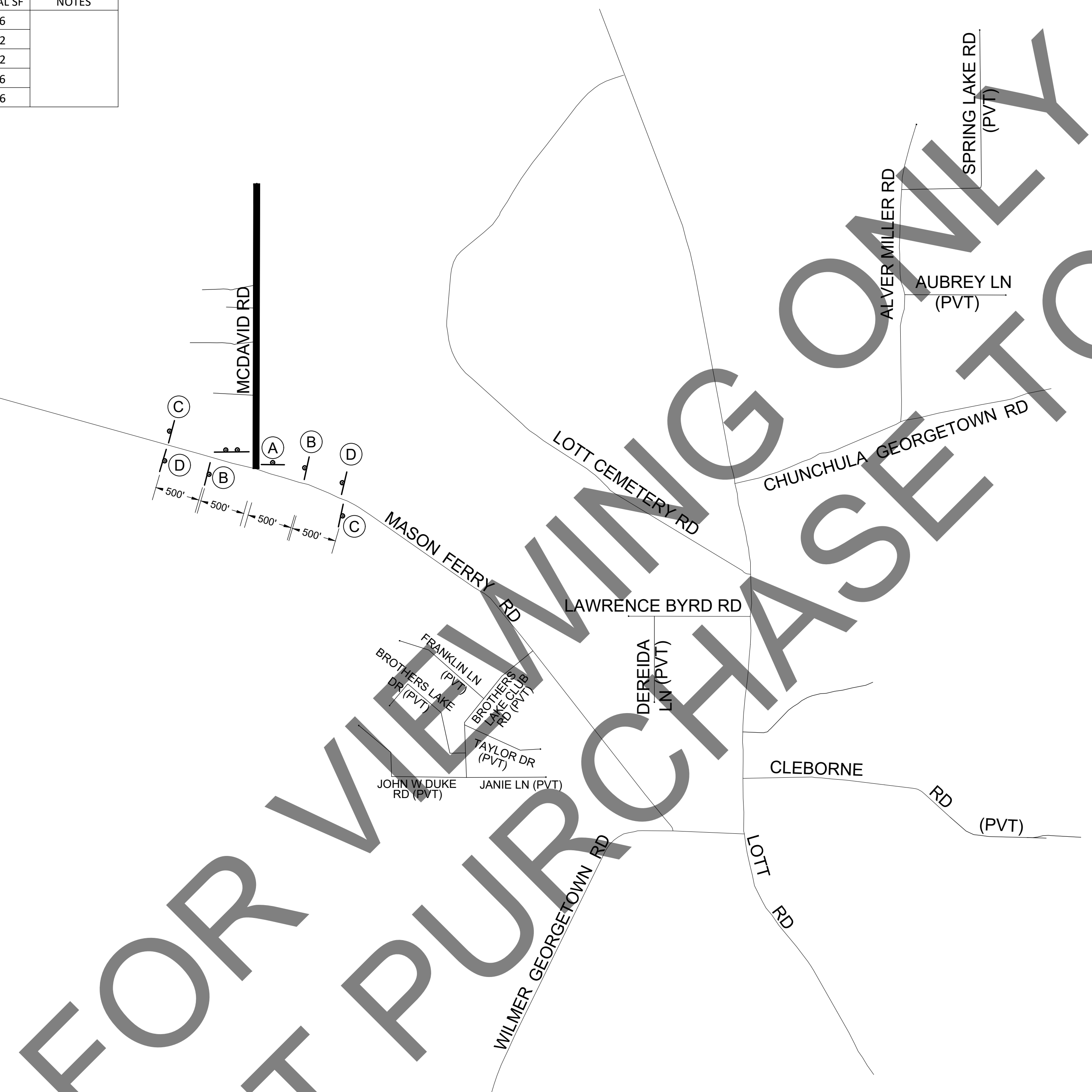
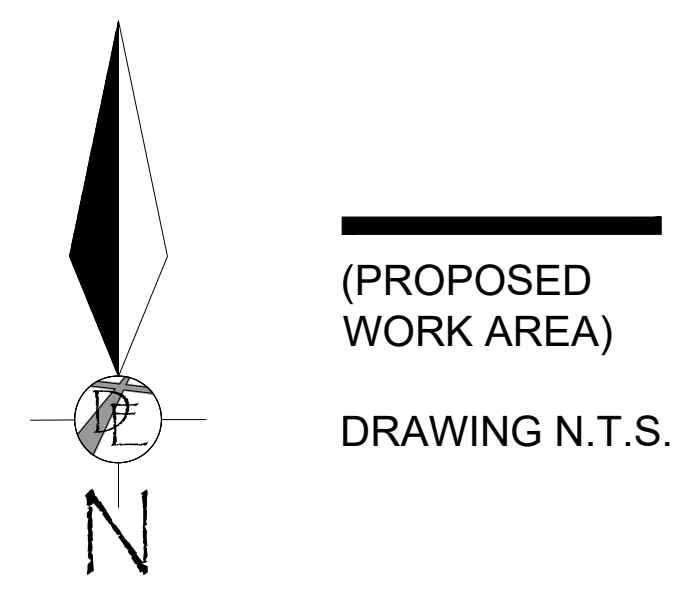
SUMMARY OF SIGNS						
MCDAVID ROAD						
SIGN	LAYOUT #	DESCRIPTION	SF	QUANTITY	TOTAL SF	NOTES
W20-1	A	ROAD WORK AHEAD	16	1	16	
W20-2	B	ROAD WORK AHEAD 500 FT	16	2	32	
W20-3	D	ROAD WORK AHEAD 1000 FT	16	2	32	
G20-2a	C	END ROAD WORK	8	2	16	
TOTAL SQUARE FEET					96	

SUMMARY OF ALL TRAFFIC CONTROL DEVICES INCLUDING TEMPORARY		
QUANTITY	UNIT	ITEM
208	SF	CONSTRUCTION SIGNS TYPW IV (740-B)
2	EA	WARNING LIGHTS TYPE B (740-1)
75	EA	CHANNELIZING DRUMS TYPE III (740-D)
1	EA	PROJECT SIGNS (NOT A PAY ITEM)

CONSTRUCTION SIGN LEGEND




* NOTE: THE PROJECT SIGN WILL BE INSTALLED IN THE FIELD IN AN AREA APPROVED BY THE ENGINEER.



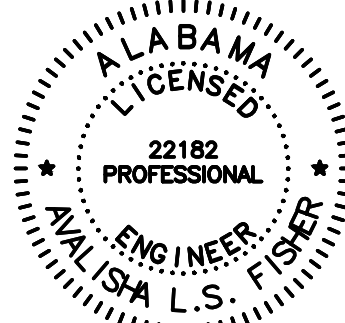
FOR VIEWING ONLY
MUST PURCHASE TO BID

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRH	ALF	ALF	ISSUED FOR BIDS

CLIENT: MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL



Driven Engineering, Inc.
8005 Morris Hill Road Semmes, AL 36575
(251) 649-4011 Office
(251) 645-0971 Fax
www.drivenengineering.com

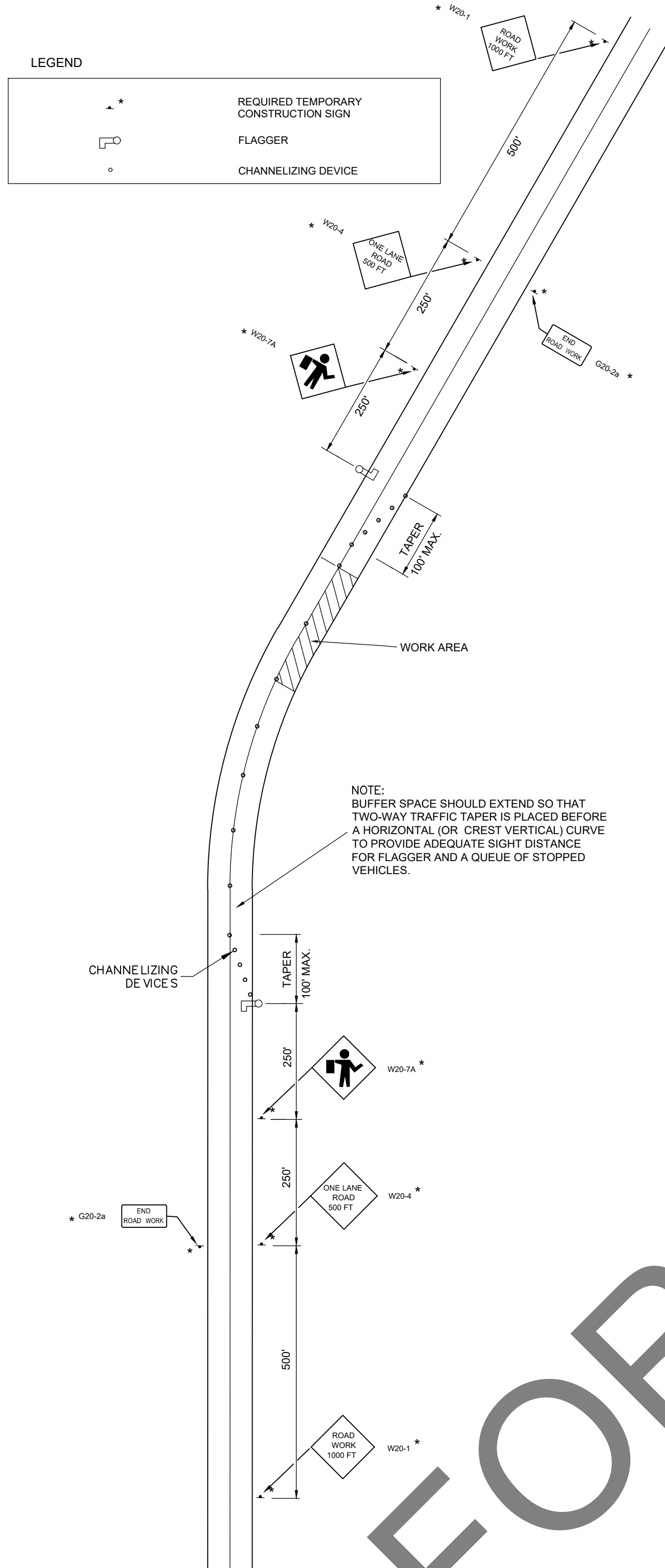


TITLE: MCR-2018-204
MCDAVID ROAD
TRAFFIC CONTROL PLAN

DATE		SCALE	
02/17/2020		AS SHOWN	
DRAWN BY:	CHECKED BY:	APPROVED BY:	
BN	ALF	ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER	TOTAL SHEETS	REVISION	
C23	25	E	

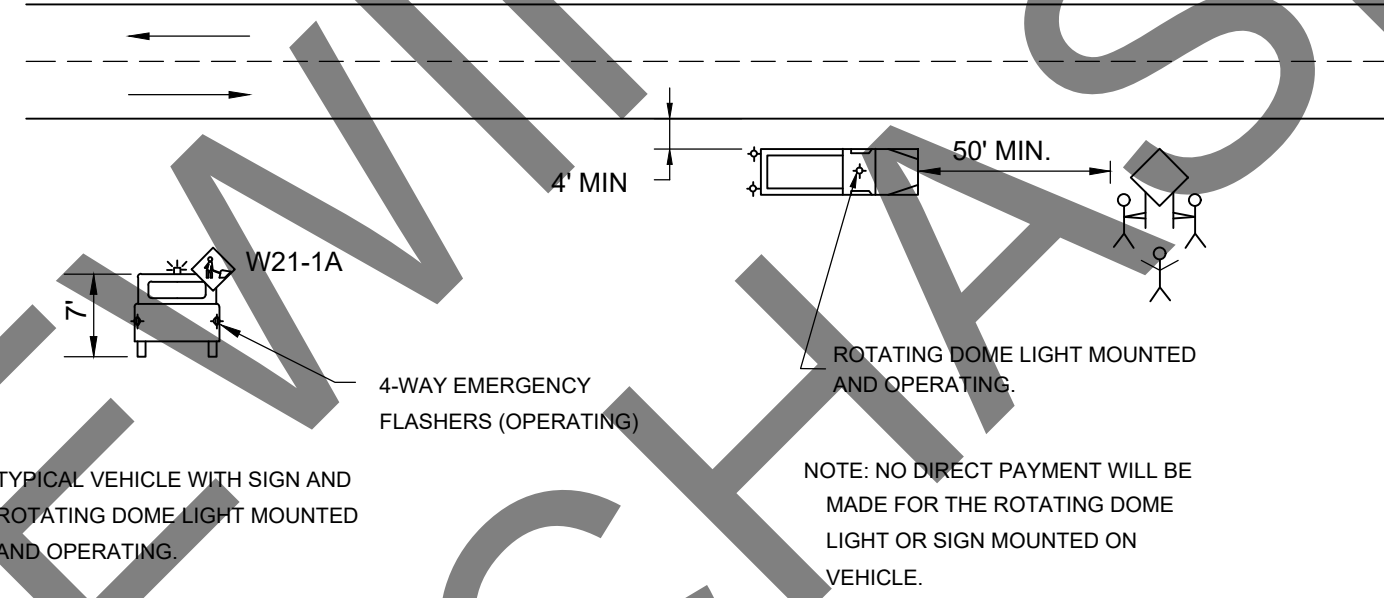
LEGEND

	REQUIRED TEMPORARY CONSTRUCTION SIGN
	FLAGGER
	CHANNELIZING DEVICE



SUMMARY OF TEMPORARY SIGNS

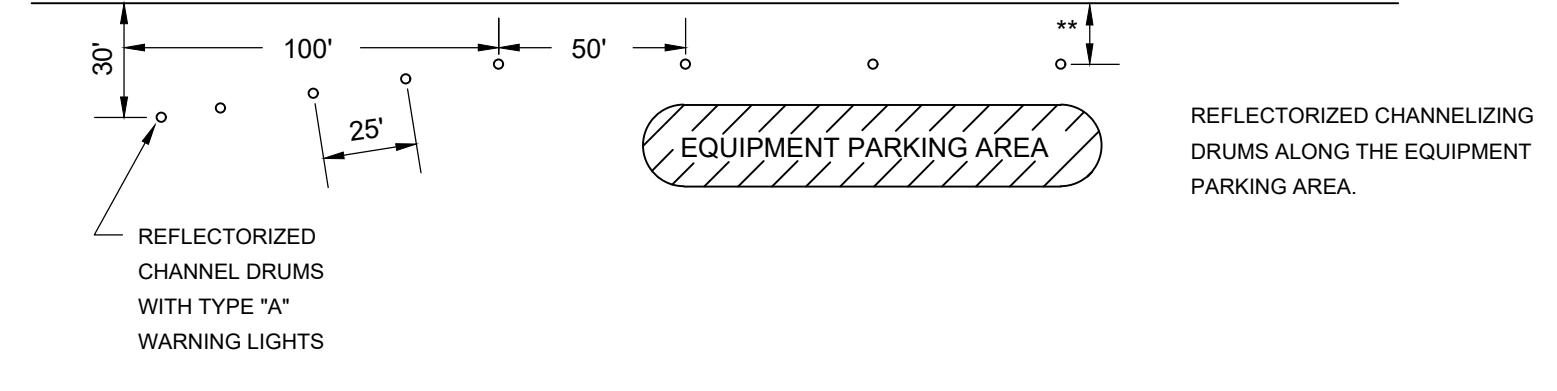
MCDAVID ROAD					
SIGN	DESCRIPTION	SF	QUANTITY	TOTAL SF	NOTES
W20-7A	FLAGGER AHEAD	16	2	32	
W20-2	ONE LANE ROAD 500 FT	16	2	32	
W20-3	ROAD WORK AHEAD 1000 FT	16	2	32	
G20-2a	END ROAD WORK	8	2	16	
TOTAL SQUARE FEET				112	



TYPICAL METHOD FOR PLACEMENT OR REMOVAL OF CONSTRUCTION SIGNS
N.T.S.

TRAFFIC CONTROL NOTES

- 701 THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THE SAME SHALL BE INSTALLED IN CONFORMANCE WITH THE MUTCD, PART VI, AS DIRECTED BY THE ENGINEER.
- 702 THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.
- 703 ANY SIGNING OR OTHER TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS TOP BUT DEEMED NECESSARY BY THE ENGINEER SHALL BE FURNISHED BY THE CONTRACTOR AND PAID FOR UNDER THE APPROPRIATE PAY ITEM.
- 704 DURING NONWORKING HOURS, NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA DESIGNATED BY THE ENGINEER AND DESIGNATED BY REFLECTORIZED DRUMS AND WARNING LIGHTS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NONWORKING HOURS.
- 705 THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.
- 706 THE CONTRACTOR MAY EXECUTE AS MANY OPERATIONS OF CONSTRUCTION SIMULTANEOUSLY AS HE CAN SAFELY AND EFFICIENTLY HANDLE WITH THE APPROVAL OF THE ENGINEER.
- 707 THE CONTRACTOR WILL BE PERMITTED TO DEVELOP THEIR OWN TRAFFIC CONTROL PLAN TO BE USED IN LIEU OF THIS TRAFFIC CONTROL PLAN. THE PLAN MUST BE APPROVED BY THE ENGINEER.
- 708 THE CONTRACTOR SHALL NOT BE ALLOWED TO LEAVE OPEN CUTS ADJACENT TO ANY TRAVELED WAY DURING NONWORKING HOURS.
- 709 FLAGGERS SHALL BE PROPERLY EQUIPPED, ATTIRED, AND IN SIGHT OF, OR IN RADIO CONTACT WITH EACH OTHER AT ALL TIMES.
- 710 WHERE FLAGGERS ARE REQUIRED, STAFF MOUNTED STOP/SLOW PADDLES SHALL BE UTILIZED.
- 711 NOT USED.
- 712 ALL REQUIRED CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED AT THE COMPLETION OF THE DAY'S OPERATION OR WHEN NO WORK IS BEING PERFORMED.
- 713 ALL SIGN SUPPORTS SHALL COMPLY WITH STANDARD DRAWING TCD100.
- 714 ALL CONSTRUCTION SIGN LIGHTING SHALL COMPLY WITH SPECIAL DRAWING LCS107.
- 715 ALL SIGNS SHALL MEET M.U.T.C.D., PART VI, CURRENT EDITION, TYPE IV STANDARDS. ALL CHANNELIZING DRUMS SHALL BE TYPE III.
- 716 DO NOT BLOCK VIEW OF STOP SIGNS OR ANY OTHER PERMANENT SIGN, WITH PROJECT SIGNS OR ANY OTHER TRAFFIC CONTROL DEVICE.
- 717 A REFLECTORIZED DRUM SHALL BE PLACED IN FRONT OF EACH CONSTRUCTION SIGN THAT IS STORED ON THE SHOULDER AT ANY TIME DURING THE COURSE OF THE PROJECT, INCLUDING BUT NOT LIMITED TO COVERED SIGNS AND TEMPORARY MOUNTED SIGNS THAT HAVE BEEN LAID OVER. THE COST OF THIS REQUIREMENT SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B-000 (CONSTRUCTION SIGNS) WHEN A PAY ITEM FOR CHANNELIZING DRUMS IS NOT PROVIDED IN THE PLANS.



**DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT. MINIMUM DESIRABLE DISTANCE IS 15 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS, SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER. (TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE COUNTY)

DELINEATING DETAILS FOR EQUIPMENT PARKING AREAS
N.T.S.
(FOR USE ONLY WHEN EQUIPMENT CANNOT BE STORED THIRTY FEET OR MORE FROM THE EDGE OF PAVEMENT.)

TEMPORARY ONE-LANE CLOSURE DETAIL
N.T.S.

FOR VIEWING ONLY
MUST PURCHASE SEPARATELY

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRH	ALF	ALF	ISSUED FOR BIDS

CLIENT:

MOBILE COUNTY COMMISSION

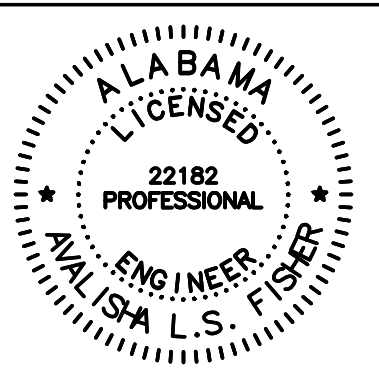
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL

Driven Engineering, Inc.

8005 Morris Hill Road Semmes, AL 36575

(251) 649-4011 Office
(251) 645-0971 Fax

www.drivenengineering.com



TITLE:

MCR-2018-204
MCDAVID ROAD

TRAFFIC CONTROL DETAIL SHEET

DATE: 02/17/2020 SCALE: AS SHOWN

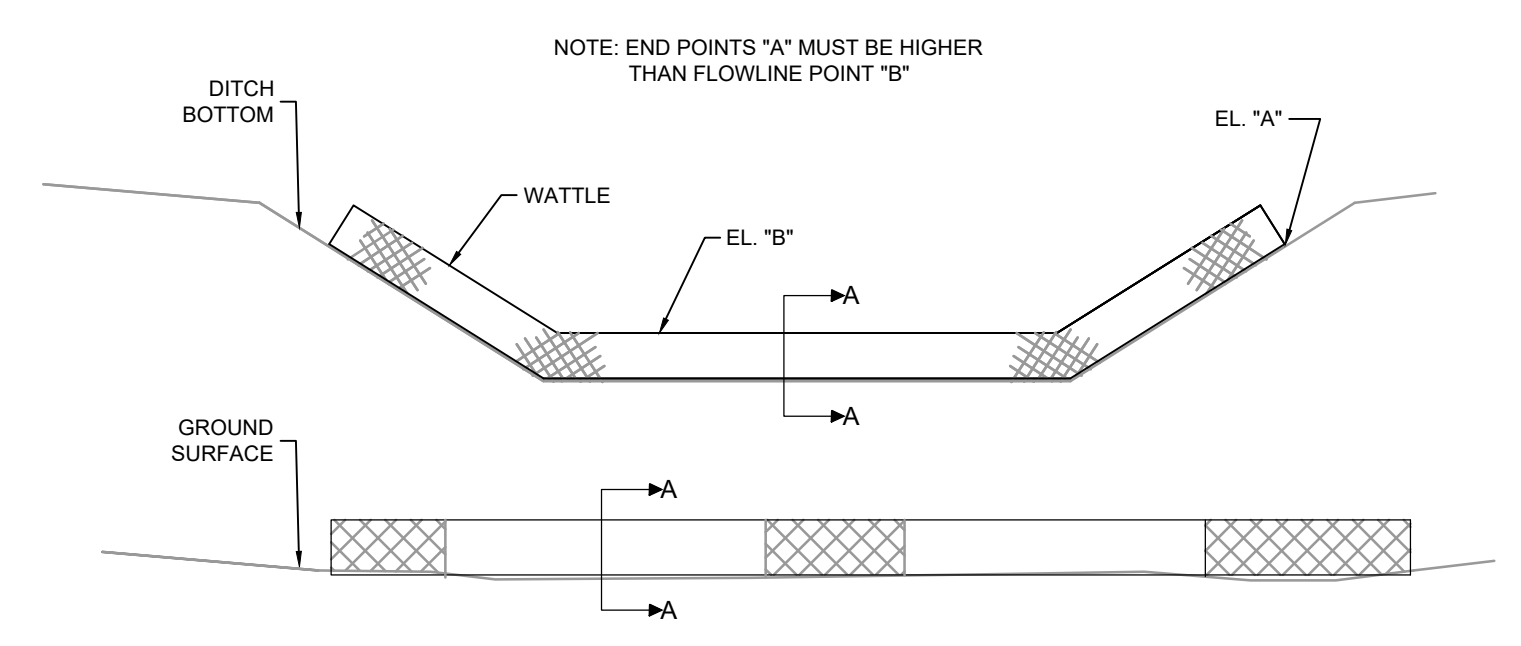
DRAWN BY: BN CHECKED BY: ALF APPROVED BY: ALF

DRIVEN ENGINEERING PROJECT NUMBER: 19002

DRAWING NUMBER: C24 TOTAL SHEETS: 25 REVISION: E

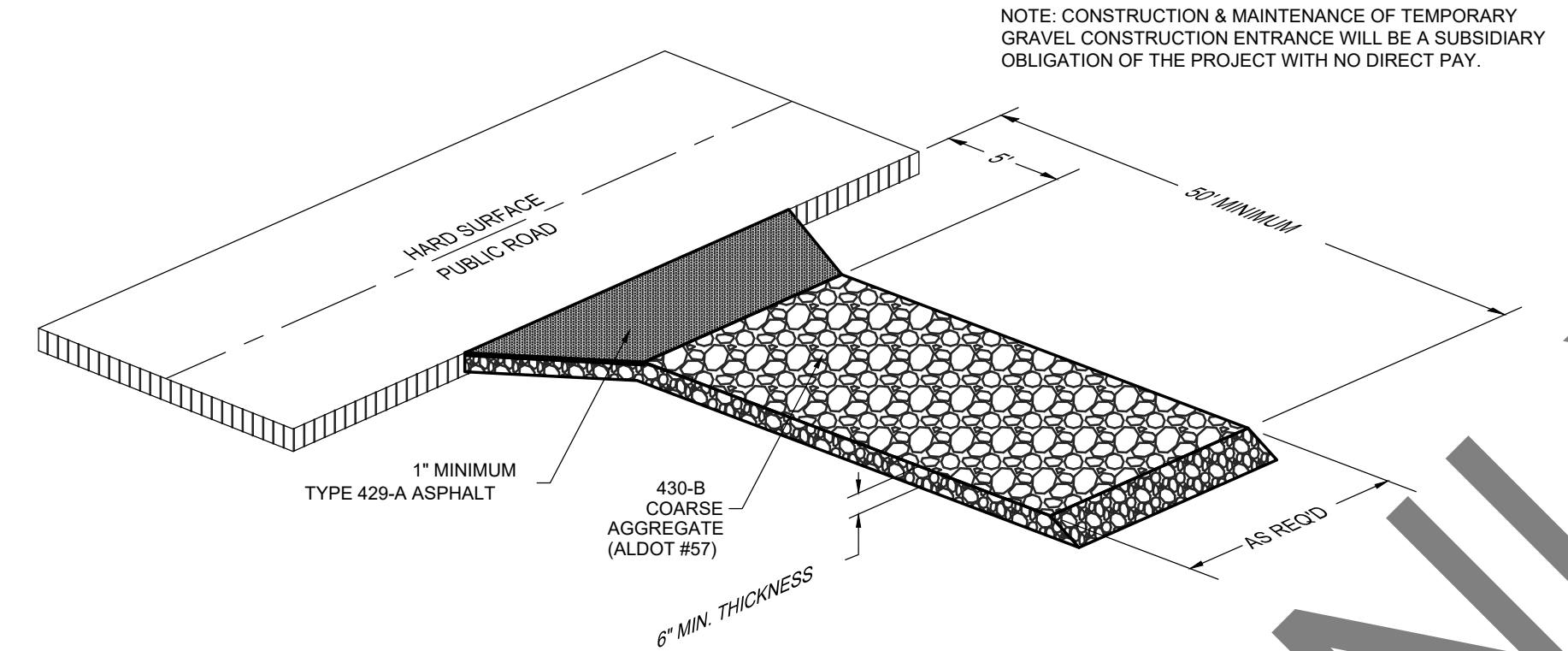
EROSION & SEDIMENT CONTROL NOTES:

- 1.) EROSION AND SEDIMENT CONTROL MEASURES SHOWN ARE CONSIDERED TO BE THE MINIMUM ACCEPTABLE MEASURES. THE CONTRACTOR SHALL UTILIZE "BEST MANAGEMENT PRACTICES" AS NECESSARY TO PREVENT SEDIMENT LADEN STORMWATER RUNOFF OR ERODED MATERIALS FROM LEAVING THE CONSTRUCTION SITE. THE CONTRACTOR SHALL MAINTAIN AND REPAIR EROSION CONTROL MEASURES IN AN EXPEDITIOUS MANNER AFTER EACH RAINFALL EVENT AND INSPECT THEM TWICE WEEKLY IN THE EVENT OF NO RAINFALL. "BEST MANAGEMENT PRACTICES (BMPs)" ARE DEFINED AS: SCHEDULES OF ACTIVITIES, PROHIBITIONS OF PRACTICES, MAINTENANCE PROCEDURES, AND OTHER MANAGEMENT PRACTICES TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF THE UNITED STATES. BMPs ALSO INCLUDE TREATMENT REQUIREMENTS, OPERATING PROCEDURES, AND PRACTICES TO CONTROL PLANT SITE RUNOFF, SPILLAGE OR LEAKS, SLUDGE OR WASTE DISPOSAL, OR DRAINAGE FROM RAW MATERIAL STORAGE. WITH REGARD TO CONSTRUCTION THESE MAY INCLUDE STRUCTURAL DEVICES OR NONSTRUCTURAL PRACTICES THAT ARE DESIGNED TO PREVENT POLLUTANTS FROM ENTERING WATER OR TO DIRECT THE FLOW OF WATER.
- 2.) TYPE "A" SILT FENCE SHALL BE USED IN AREAS WHERE INDICATED OR AS DIRECTED BY THE ENGINEER.
- 3.) SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODABLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
- 4.) SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION. SILT FENCES SHALL BE CLEANED, SILT REMOVED, AND REPAIRED AS NECESSARY AS PART OF REQUIRED BMP MAINTENANCE.
- 5.) AFTER THE CONSTRUCTION AREA IS STABILIZED BY PAVING OR A FIRM STAND OF GRASS AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
- 6.) STORM DRAIN INLETS SHALL BE PROTECTED FROM SEDIMENT ENTRY WITH SEDIMENT BARRIERS LIKE "SILT SAVER" (R) UNTIL THE SITE IS STABILIZED BY PAVING OR A FIRM STAND OF GRASS IS OBTAINED.
- 7.) CONTRACTOR IS REQUIRED TO STABILIZE DISTURBED AREAS WITH TEMPORARY GRASS OR SOIL STABILIZER IF AREAS WILL REMAIN DISTURBED FOR 14 DAYS OR LONGER.
- 8.) THE CONTRACTOR IS HEREBY DIRECTED TO PROVIDE SEDIMENT RUNOFF PROTECTION WHERE NECESSARY TO PREVENT SILT LADEN RUNOFF FROM ENTERING THE STREAMS NEAR THE PROPOSED PROJECT.
- 9.) GRASS GROUND COVER SHALL BE MAINTAINED UPON COMPLETION OF CONSTRUCTION.
- 10.) THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN ON THE PLANS ARE PROVIDED AS A STARTING POINT FOR A COMPREHENSIVE SEDIMENT AND EROSION CONTROL PLAN TO BE IMPLEMENTED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE PREPARED TO ANTICIPATE AND ADJUST BEST MANAGEMENT PRACTICES AS NECESSARY THROUGHOUT CONSTRUCTION TO RESTRICT THE AMOUNT OF SILT LADEN RUNOFF LEAVING THE PROJECT.
- 11.) SEDIMENT & EROSION CONTROL ITEMS SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING HANDBOOKS:
 - A.) ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS.
 - B.) EPA STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES.
 - C.) EPA GUIDANCE SPECIFYING MANAGEMENT MEASURES FOR SOURCES OF NON-POINT POLLUTION IN COASTAL WATERS.
 - D.) AASHTO GUIDELINES FOR EROSION AND SEDIMENT CONTROL IN HIGHWAY CONSTRUCTION.
 - E.) SOUTH ALABAMA REGIONAL PLANNING COMMISSION BEST MANAGEMENT PRACTICES FOR NON-POINT SOURCE RUNOFF CONTROL, MOBILE & BALDWIN COUNTIES, ALABAMA.
- 12.) UNLESS OTHERWISE SET FORTH IN CONTRACT DOCUMENTS WITH THE PROJECT OWNER, WHEN AN ADEM STORMWATER DISCHARGE PERMIT (NOR) HAS BEEN OBTAINED FOR THE SITE, THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE AND MAINTAIN A WRITTEN DAILY LOG OF RAINFALL AMOUNTS AT THE SAME TIME EACH DAY. AT THE END OF EACH MONTH, THE CONTRACTOR MUST PROVIDE A COPY OF THAT MONTH'S RAINFALL RECORDS TO THE ENGINEER. THE RAIN GAUGE MUST BE INSTALLED AT THE TOP OF A POST PLACED AT LEAST 50' FROM TREES, BUILDINGS, OR OTHER OBJECTS THAT COULD IMPEDE THE FREE ENTRY OF RAINFALL INTO THE RAIN GAUGE. THE CONTRACTOR MUST NOTIFY THE ENGINEER WITHIN 6 HOURS OF RECORDING ANY DAILY RAINFALL AMOUNT EXCEEDING 0.75". THE CONTRACTOR SHALL POST THE NOR PERMIT NUMBER IN A HIGHLY VISIBLE LOCATION ON THE SITE AND MAINTAIN IT IN A LEGIBLE CONDITION UNTIL THE PROJECT IS COMPLETED AND A PERMIT TERMINATION HAS BEEN APPROVED BY ADEM. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN ORDER TO INSPECT THE SITE AND APPLY FOR A TERMINATION OF THE ADEM PERMIT.
- 13.) THE CONTRACTOR SHALL REFER TO THE "EROSION CONTROL, DITCHES, AND FLUMES" SECTION OF ALDOT SPECIAL AND STANDARD HIGHWAY DRAWINGS FOR ADDITIONAL METHODS OF EROSION AND SEDIMENT CONTROL.



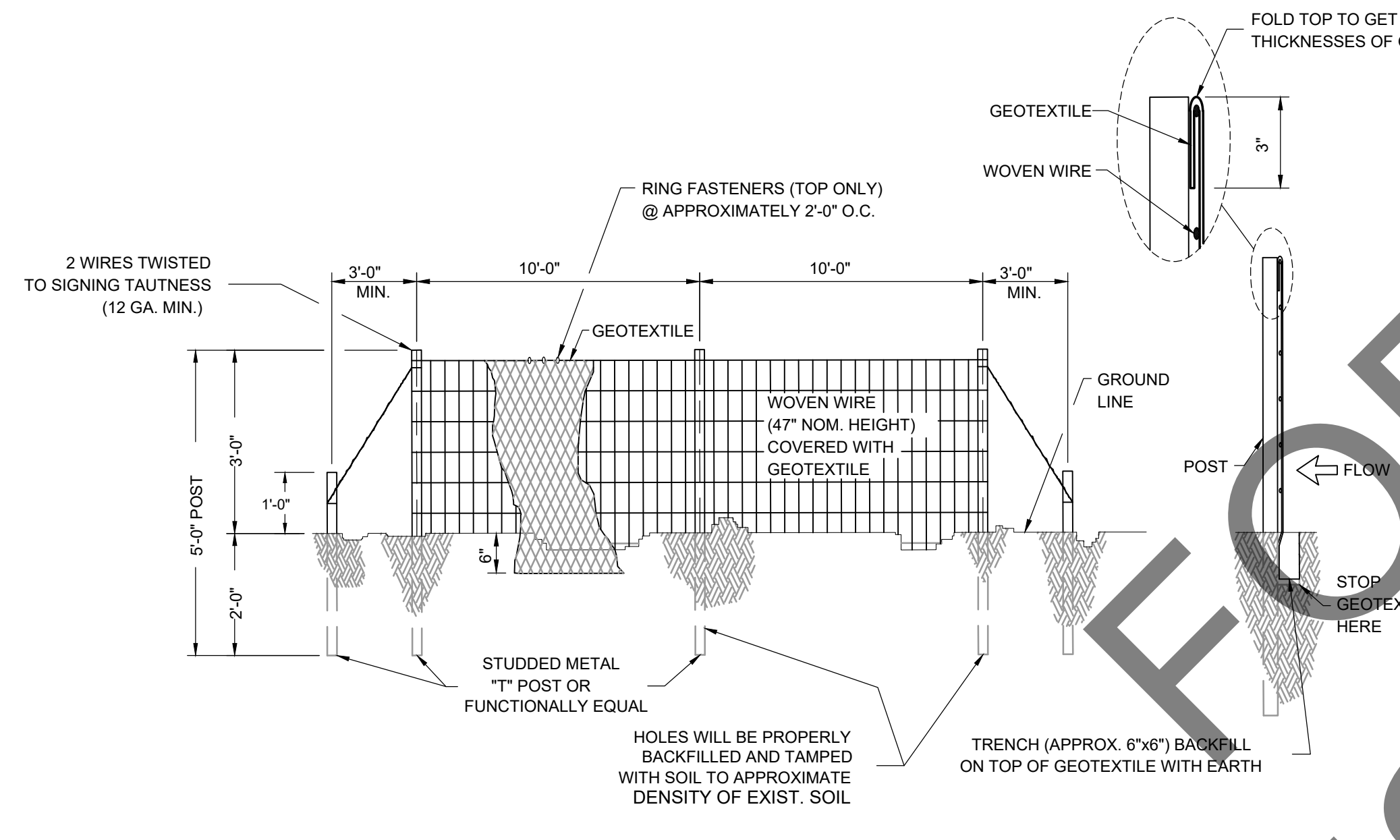
TYPICAL WATTLE ELEVATION DETAILS

NOT TO SCALE



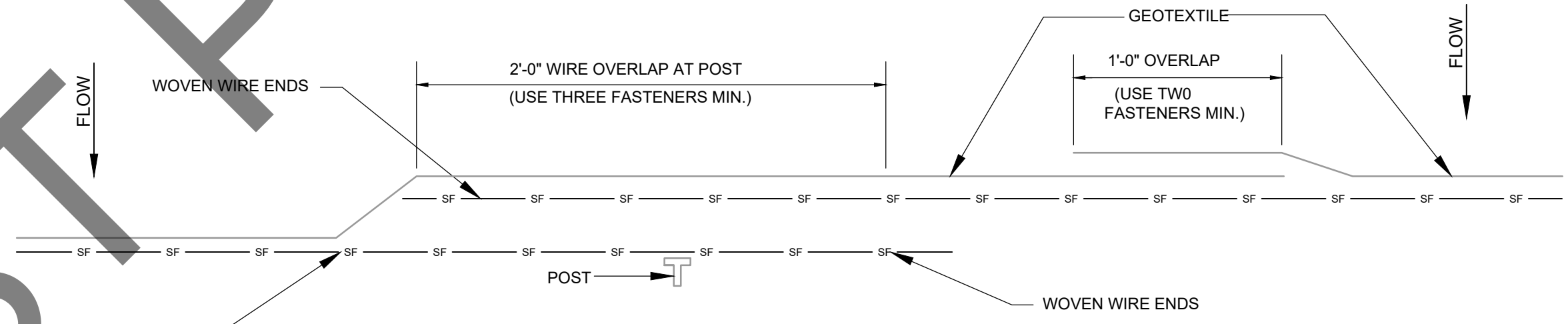
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

N.T.S.



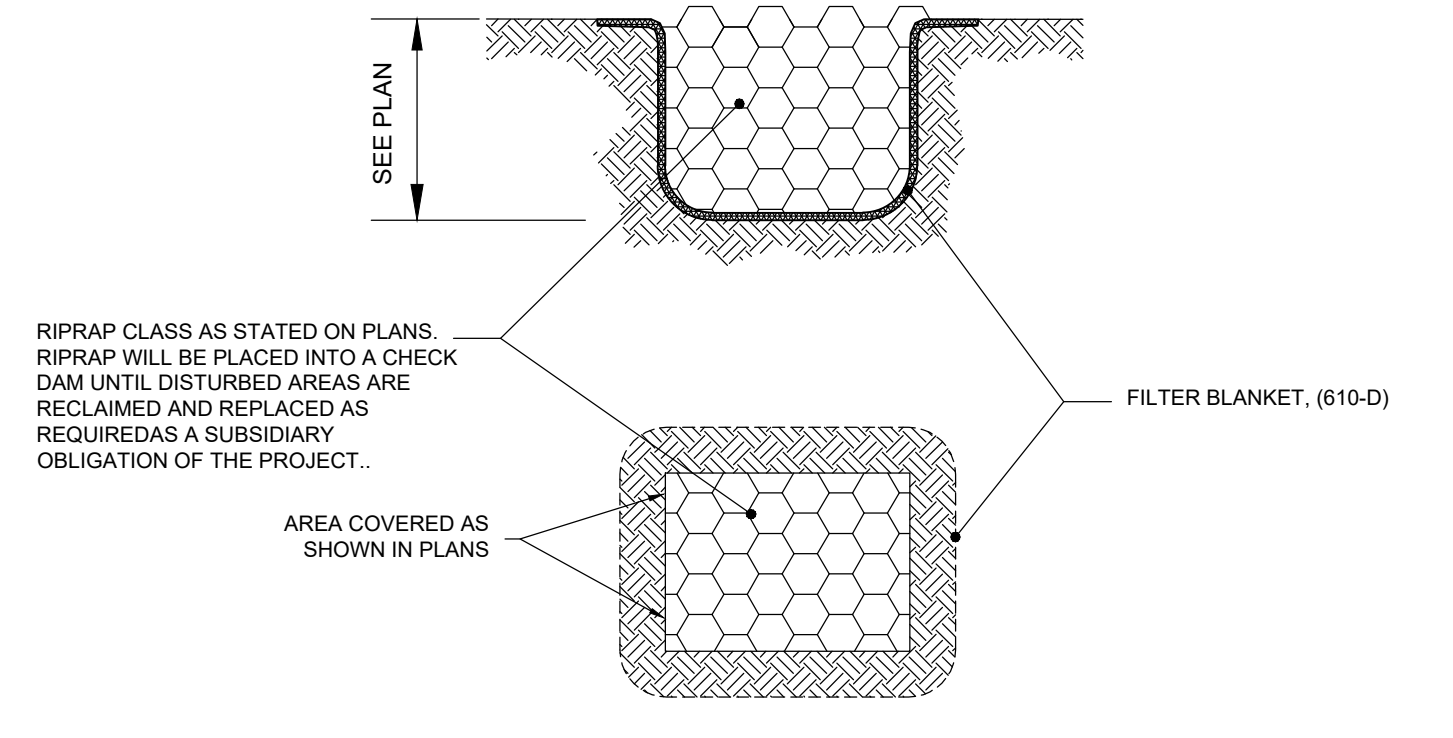
SILT FENCE TYPE A DETAIL (TYPICAL)

NOT TO SCALE



REQUIRED LAPPING OF SILT FENCE

NOT TO SCALE



RIPRAP PLACEMENT DETAIL

N.T.S.

E	09/07/2021	JGF	ALF	ALF	ADDITIONAL 100% SUBMITTAL
D	04/24/2020	CJF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
F	08/23/2023	BRN	ALF	ALF	ISSUED FOR BIDS

CLIENT: MOBILE COUNTY COMMISSION
 MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL

Driven Engineering, Inc.
 8005 Morris Hill Road Semmes, AL 36575
 (251) 649-4011 Office
 (251) 645-0971 Fax
 www.driveneengineering.com

TITLE: MCR-2018-204
 MCDAVID ROAD
 EROSION AND SEDIMENT CONTROL DETAILS

DATE: 02/17/2020		SCALE: AS SHOWN	
DRAWN BY: BN	CHECKED BY: ALF	APPROVED BY: ALF	
DRIVEN ENGINEERING PROJECT NUMBER: 19002			
DRAWING NUMBER: C25	TOTAL SHEETS: 25	REVISION: E	

UTILITY SHEET

SOUTH ALABAMA UTILITIES

GENERAL NOTES:

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ALABAMA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION," EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS FOR THIS PROJECT.
2. THE FOLLOWING DOCUMENTS SHALL BE ON THE PROJECT SITE AND ACCESSIBLE AT ALL TIMES WORK IS BEING PERFORMED ON THE CONTRACT:
 - A) CONTRACT DOCUMENTS, INCLUDING CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
 - B) APPROVED MANUFACTURER SUBMITTAL INFORMATION FOR ALL REQUIRED MATERIALS.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIRED ITEMS AS APPLICABLE.
3. **CLEARING AND GRUBBING**
THE NEW WATER LINE CORRIDOR SHALL BE CLEARED AND GRUBBED FOR A MINIMUM WIDTH OF 5 FEET EACH SIDE OF THE NEW WORK. WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 201 OF THE ALDOT SPECIFICATIONS. MATERIALS AND DEBRIS FROM CLEARING AND GRUBBING SHALL BE LAWFULLY DISPOSED OF IN A CONTRACTOR PROVIDED OFFSITE LOCATION.
4. **ITEMS FOR REMOVAL**
THE DRAWINGS DO NOT PURPORT TO SHOW ALL FENCES, SIGNS, MAILBOXES, UTILITIES, STORM DRAIN FACILITIES, AND OTHER ITEMS WHICH CONFLICT WITH THE CONSTRUCTION OF THE PROJECT. THE REMOVAL, REPLACEMENT, OR RESTORATION OF THESE ITEMS AS REQUIRED BY THE NEW WORK SHALL BE CONSIDERED INCIDENTAL TO THE OVERALL PROJECT AND THE COST INCLUDED IN THE UNIT PRICES FOR THE BID ITEMS PROVIDED - NO DIRECT PAYMENT.
5. **EXISTING DRIVEWAYS, PAVED DITCHES, STORM DRAIN PIPING, HEADWALLS AND FENCES**
THE SPECIFIED ITEMS SHALL BE RESTORED IMMEDIATELY AFTER PLACEMENT OF THE WATER LINES AND MAINTAINED UNTIL COMPLETION OF THE PROJECT. COST FOR THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE WATER LINE WORK AND THE COST INCLUDED IN THE UNIT PRICES FOR THE BID ITEMS PROVIDED - NO DIRECT PAYMENT.
6. **TEMPORARY EROSION CONTROL**
THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT EROSION AND/OR SILTATION DUE TO THE CONSTRUCTION OF THIS PROJECT. THE AREA DISTURBED BY THE CONSTRUCTION OF THIS PROJECT SHALL RECEIVE 4" THICK TOPSOIL AND BE GRADED AND COMPACTED TO MATCH ADJACENT SURFACE AND ALL DISTURBED AREAS SEED AND MULCHED. THIS WORK SHALL BE ACCOMPLISHED NO LATER THAN 7 DAYS AFTER THE WATER MAIN IS INSTALLED. IN AREAS WHERE SITE CONDITIONS REQUIRE IN ORDER TO PREVENT EROSION, THE CONTRACTOR SHALL INSTALL SILT FENCE, HAY BALES, EROSION CONTROL NETTING, OR OTHER CONTROLS NECESSARY TO STABILIZE THE DISTURBED AREA.
7. **COORDINATION OF WORK**
SCHEDULING OF THE WORK WITH OTHER UTILITY COMPANIES AND FIELD LOCATION OF EXISTING UTILITY LINES WITHIN THE RIGHT-OF-WAY, SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE UTILITY OWNER.
8. **TESTING**
THE CONTRACTOR SHALL FURNISH AND INSTALL AS REQUIRED ALL VALVES, SAMPLE TAPS, FITTINGS, TEMPORARY PLUGS, AND ALL OTHER ITEMS REQUIRED TO COMPLETE THE REQUIRED HYDROSTATIC TESTING.
9. **FIELD VERIFICATION OF THE EXISTING UTILITY LINE FACILITIES**
THE LOCATION OF ALL EXISTING UTILITY LINE FACILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK. SEE REQUIRED SEQUENCE OF CONSTRUCTION BELOW.
10. ALL NEW PIPE SHALL BE PLACED TO THE DEPTHS INDICATED BY THE PLANS IN THE PRESENCE OF THE ENGINEER. BACKFILLING SHALL NOT BE COMMENCED UNTIL THE NEW PIPELINE DEPTHS ARE VERIFIED AND RECORDED BY THE UTILITY REPRESENTATIVE; MINIMUM COVER, HOWEVER, SHALL BE REQUIRED AT ALL LOCATIONS.
11. **TRAFFIC CONTROL**
TRAFFIC CONTROL SHALL BE PERFORMED BY THE CONTRACTOR AS A SUBSIDIARY OBLIGATION OF PAY ITEM 641. THERE WILL BE NO SEPARATE OR DIRECT PAYMENT FOR THE WORK.
12. **SERVICE INTERRUPTIONS**
ALL SERVICE INTERRUPTIONS AND TIE-INS SHALL BE COMPLETED DURING MID-DAY HOURS FROM 10:00 A.M. TO 3:00 P.M. THE CONTRACTOR SHALL ADVISE ALL AFFECTED UTILITY CUSTOMERS (2) WORKING DAYS IN ADVANCE OF THE INTERRUPTION.
13. DEFECTIVE SERVICE COMPONENTS NOT INCLUDED IN PAY ITEM 641-R BUT REQUIRED FOR THE WORK SHALL BE SUPPLIED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. NO SEPARATE OR DIRECT PAYMENT WILL BE MADE FOR THIS WORK AND THE COST SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 641-R.
14. P.V.C. WATER MAIN SHALL BE SDR-21 PLACED WITH METALLIC DETECTION TAPE AND 12 GAGE WIRE. PIPE SHALL BE BLUE IN COLOR, 20 FOOT LONG MAXIMUM LAYING LENGTH.
15. DUCTILE IRON (D.I.) WATER MAIN SHALL BE CLASS 52 DUCTILE IRON PIPE WITH RESTRAINED JOINTS.
16. HIGH DENSITY POLYETHYLENE WATER MAIN SHALL BE SDR 9 IRON PIPE SIZE PIPE WITH ELECTRO FUSED JOINTS. PIPE SHALL BE BLACK WITH BLUE STRIPE.
17. FOR SERVICES RESET ON EXISTING WATER MAIN, THE NEW SERVICE LINE WILL BE CONNECTED TO THE EXISTING SERVICE TAP; SEE PLAN DETAIL. A NEW SERVICE TAP IS NOT PROVIDED.

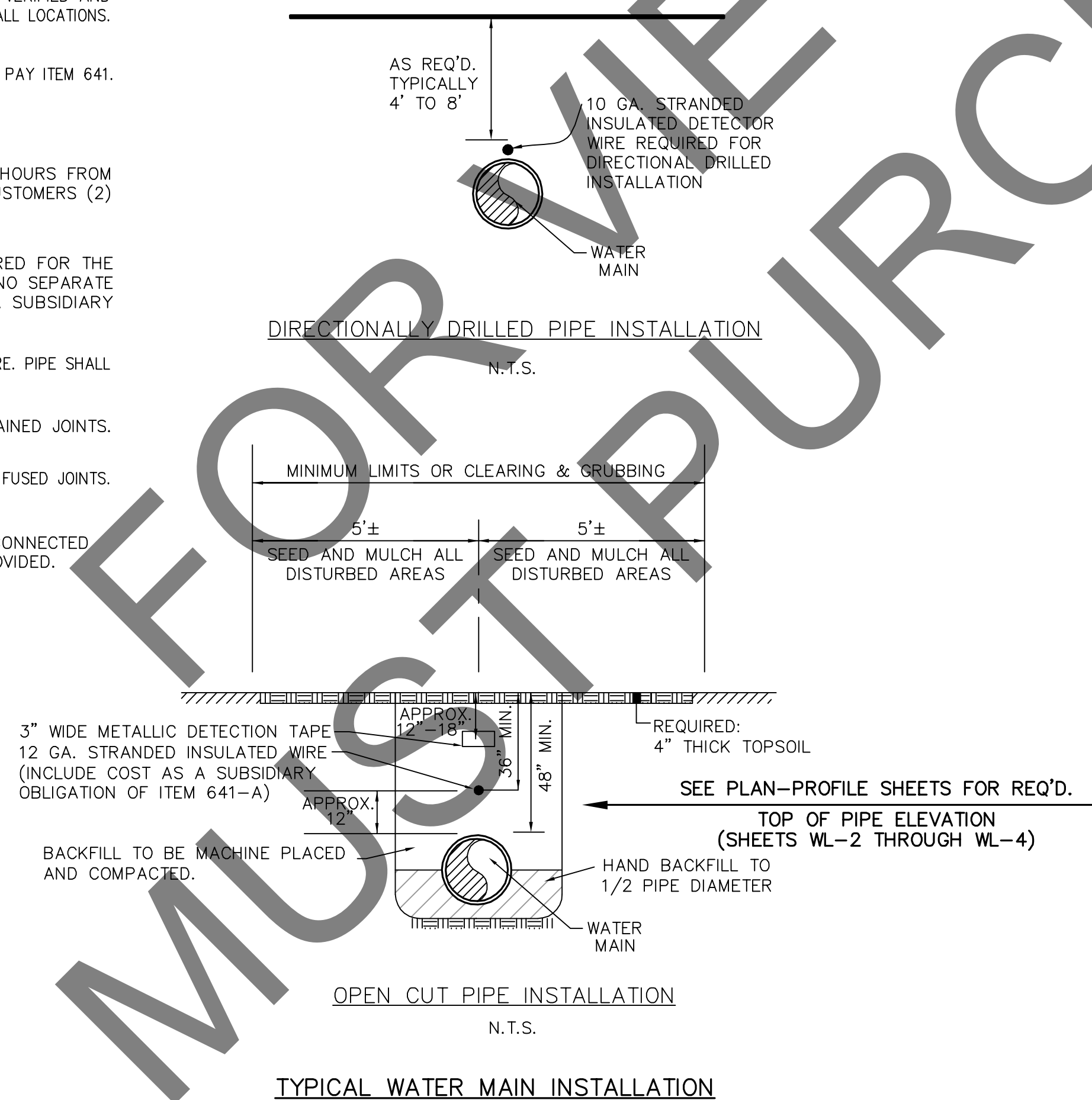
SPECIAL NOTE

TOPSOIL, SEED, AND MULCH SHALL BE PLACED IN STRICT CONFORMANCE WITH THE ALDOT STANDARD SPECIFICATIONS. TICKETS FOR TOPSOIL, SEED, MULCHING MATERIALS, AND FERTILIZER SHALL BE PROVIDED BY THE CONTRACTOR TO DEMONSTRATE CONFORMANCE WITH THE SPECIFICATIONS. (TO BE STRICTLY INTERPRETED).

WATER LINE ITEMS			
ITEM NO.	DESCRIPTION	UNIT	PLAN TOTAL
206-D	REMOVING UTILITY LINES	LINEAR FOOT	400
641-A1	3/4 INCH H.D.P.E. WATER SERVICE LINE LAID	LINEAR FOOT	450
641-A2	6 INCH P.V.C. WATER MAIN LAID	LINEAR FOOT	340
641-A3	6 INCH DUCTILE IRON WATER MAIN LAID	LINEAR FOOT	85
641-C	DUCTILE IRON FITTINGS	POUND	374
641-E	FIRE HYDRANT RESET	EACH	1
641-J	6 INCH GATE VALVE WITH BOX	EACH	2
641-L	CONCRETE FOR WATER MAINS (THRUST BLOCKS)	C.Y.	2
641-M	6 INCH RETAINER GLAND	EACH	25
641-P1	3/4" SERVICE TAP AND CORPORATION STOP	EACH	2
641-P2	6 INCH X 6 INCH TAPPING SLEEVE AND VALVE (CONNECT TO EXIST. MAIN)	EACH	1
641-R1	3/4" WATER METER AND BOX RESET	EACH	12
641-R2	3/4" CURB STOP	EACH	12

NOTES:

1. MAXIMUM REACH FOR "DIRECTIONAL DRILLED" INSTALLATION SHALL BE 500 FEET UNLESS APPROVED IN WRITING BY THE ENGINEER.
2. A CONTINUOUS DETECTOR WIRE MUST BE INSTALLED WITH THE WATER LINE FOR THE FULL LENGTH OF THE BORE.



NOTE

THE CONTRACTOR SHALL NOTIFY SPEAKS AND ASSOCIATES NO LESS THAN TWO WORKING DAYS PRIOR TO COMMENCING UTILITY RELOCATION WORK ON THIS PROJECT.

SPEAKS & ASSOCIATES

CONTACT PERSON OFFICE PHONE NUMBER
JEREMY TURNER 251-666-4646

SOUTH ALABAMA UTILITIES

CONTACT PERSON OFFICE PHONE NUMBER WATER
STACY WARD 251-649-4317 GAS
BRIAN ROBINSON 251-649-4317 GAS

NOTE

ALL WATER RELOCATION WORK SHALL MEET WITH SOUTH ALABAMA UTILITIES STANDARD SPECIFICATIONS. COPIES OF THESE SPECIFICATIONS ARE AVAILABLE UPON REQUEST FROM SOUTH ALABAMA UTILITIES. IN INSTANCES WHERE REQUIREMENTS IN THESE PLAN DRAWINGS ARE MORE STRINGENT THAN SOUTH ALABAMA UTILITIES SPECIFICATIONS, THESE PLAN DRAWINGS SHALL TAKE PRECEDENCE.

REQUIRED SEQUENCE OF WORK TO BE PERFORMED BY THE CONTRACTOR:

1. THE CONTRACTOR SHALL FIELD LOCATE, MARK, AND RECORD THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING WATER MAINS AT 100' STATIONS AND AT EXISTING AND PROPOSED DRAINAGE STRUCTURES. LOCATE EXISTING VALVES, SERVICES, AND HYDRANTS. REVIEW EXISTING MAIN SIZES AND LOCATIONS WITH THE UTILITY REPRESENTATIVE. PROVIDE (1) SET OF THE WATER LINE RELOCATION SHEETS SHOWING THE FIELD VERIFIED LOCATION OF THE EXISTING WATER LINE FACILITIES AND REVIEW WITH THE WATER LINE ENGINEER PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL HAVE ALL OTHER EXISTING UTILITIES FIELD LOCATED AND MARKED, MARK EXISTING DRAINAGE STRUCTURES.
3. THE CONTRACTOR SHALL FIELD MARK PROPOSED NEW WATER PIPE LOCATION AND REVIEW WITH THE PROJECT ENGINEER AND UTILITY REPRESENTATIVE.
4. THE CONTRACTOR SHALL CONSTRUCT PIPE IN APPROVED LOCATION.

THE CONTRACTOR SHALL INCLUDE THE COST FOR ABOVE WORK IN THE BID PRICES PROVIDED FOR THE WATER LINE RELOCATION (641-A ITEMS).

WATER MAIN FITTINGS

STA.	SIDE	FITTINGS	WEIGHT (LBS)	RETAINER GLANDS (EA)	CONC. THRUST BLOCK (CY)	REMARKS
18+28	LT			2	0.3	HYDRANT RESET
22+00-22+19	LT	2 - 6" 45° BEND 1 - 6" SLEEVE	72 36	8	0.3	
24+35-24+76	LT	2 - 6" 22.5° BEND 2 - 6" SLEEVE	68 72	8	0.3	
25+89-26+00	LT	2 - 6" 45° BEND 1 - 6" SLEEVE 1 - 6" PLUG	72 36 18	7	0.8	DEAD END THRUST BLOCK FOR 6" PLUG
TOTAL			374	25	1.7	

WATER SERVICE QUANTITIES

STA.	SIDE	SERVICE TAP	CURB STOP	WM and BOX RESET	3/4" SERVICE PIPE
10+70	RT	0	1	1	60
10+76	LT	0	1	1	10
12+54	LT	0	1	1	20
16+73	LT	0	1	1	20
19+05	LT	0	1	1	30
22+37	RT	1	1	1	60
24+21	LT	1	1	1	30
27+76	LT	0	1	1	30
28+47	RT	0	1	1	60
29+32	RT	0	1	1	60
31+31	LT	0	1	1	10
34+38	RT	0	1	1	60
TOTAL		2	12	12	450

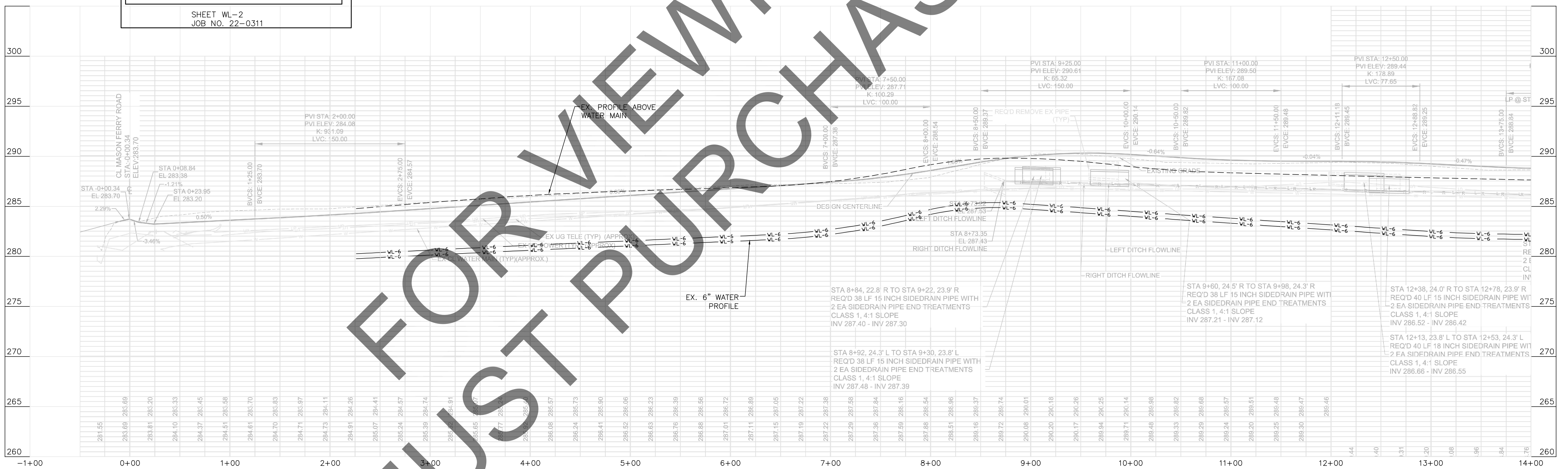
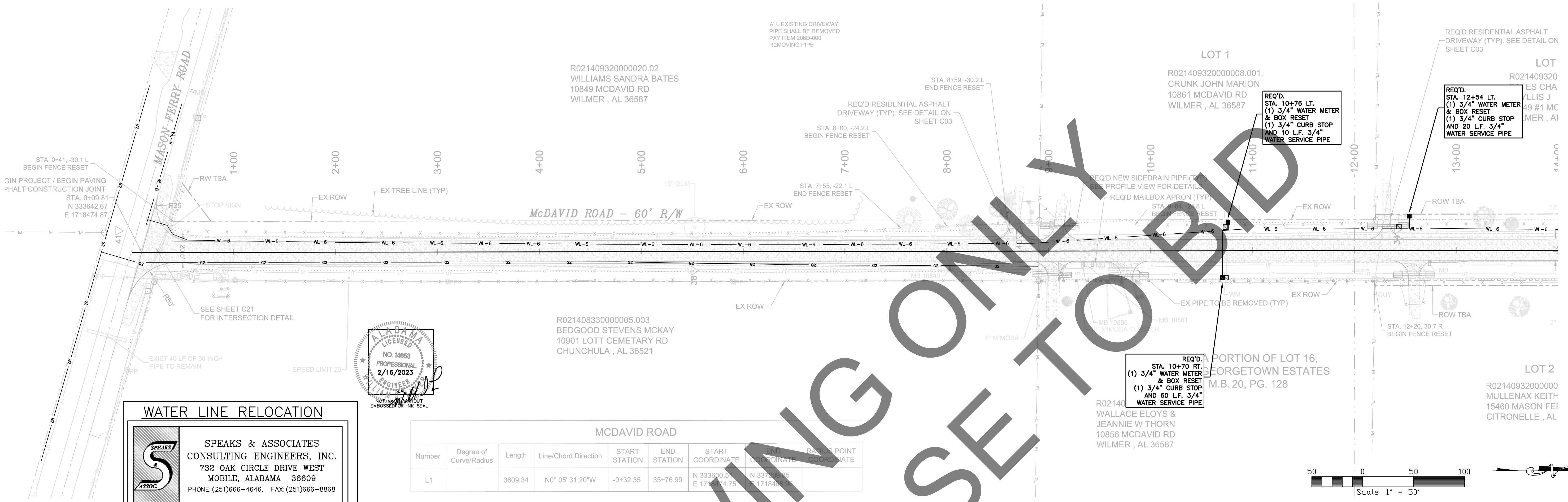
SPEAKS & ASSOCIATES
CONSULTING ENGINEERS, INC.
732 OAK CIRCLE DRIVE WEST
MOBILE, ALABAMA 36609
PHONE: (251)666-4646, FAX: (251)666-8868

NO.	DATE	DESCRIPTION	BY

WATER LINE RELOCATION
PROJECT MCR-2018-204 McDAVID ROAD
FOR SOUTH ALABAMA UTILITIES

DATE: FEBRUARY, 2023
DRAWN BY: L.E.O.
CHECKED BY: W.G.L.
CLIENT NAME: S.A.U.
JOB NO.: 22-0311
SHEET NO.: 1 OF 1

NO. 14653
2/16/2023
PROFESSIONAL ENGINEER



Z:\Users\user\OneDrive\Projects\2022\SAU-22-011-MCR-2018-204-McDavid-Rd-01-REC\DWG-01-REC\DWG-01-REC.dwg, Apr 25, 2023 - 9:02:33AM, jrenny

SCALES:
1" = 50' HOR
1" = 5' VER

SEE SHEET C21 FOR INTERSECTION DETAIL

SEE SHEET C02 FOR DRAWING LEGEND

DESIGN SPEED = 30 MPH
 $K_F = 19$ (MIN.)
 $K_S = 37$ (MIN.)

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMBER.

DATE	BY	DESCRIPTION
04/24/2020	CLF	100% SUBMITTAL FOR REVIEW
02/28/2020	BN	90% SUBMITTAL FOR REVIEW
10/30/19	BN	60% SUBMITTAL FOR REVIEW
07/31/19	BN	30% SUBMITTAL FOR REVIEW

CLIENT:

MOBILE COUNTY COMMISSION

MERCERIA L. LUDGOOD
 CONNIE HUDSON
 JERRY CARL

Driven Engineering, Inc.

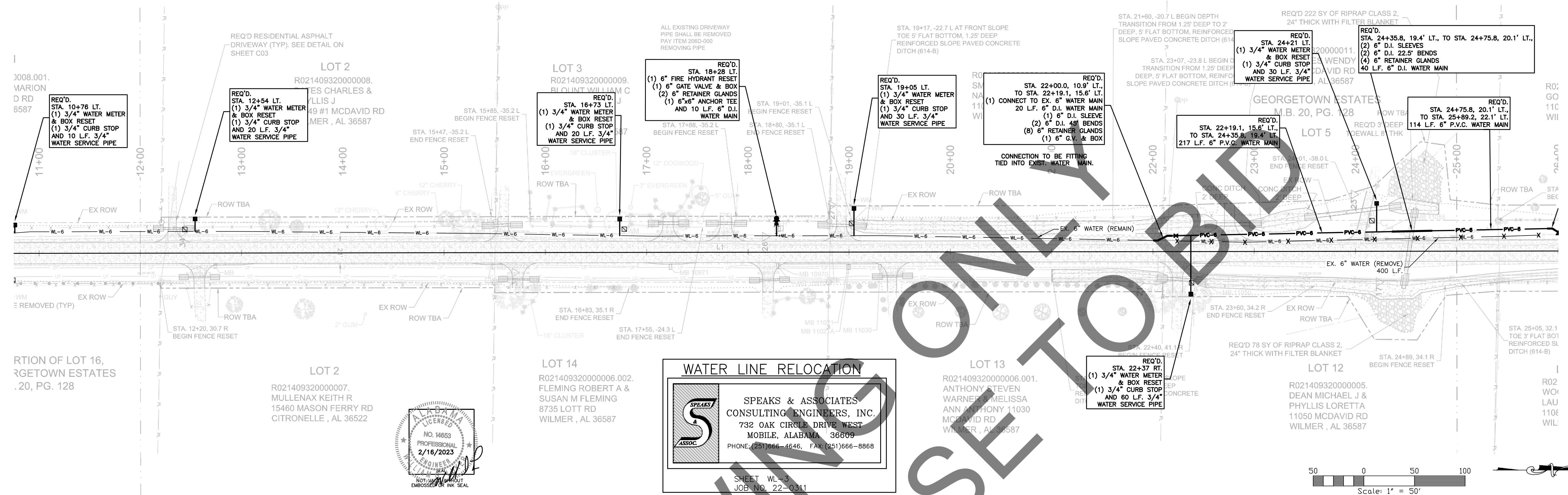
8005 Morris Hill Road (251) 649-4011 Office
 Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com

TITLE:

**MCR-2018-204
 MCDAVID ROAD
 MCDAVID PLAN AND PROFILE**

Copyright © as Dated by Driven Engineering, Inc. All Rights Reserved

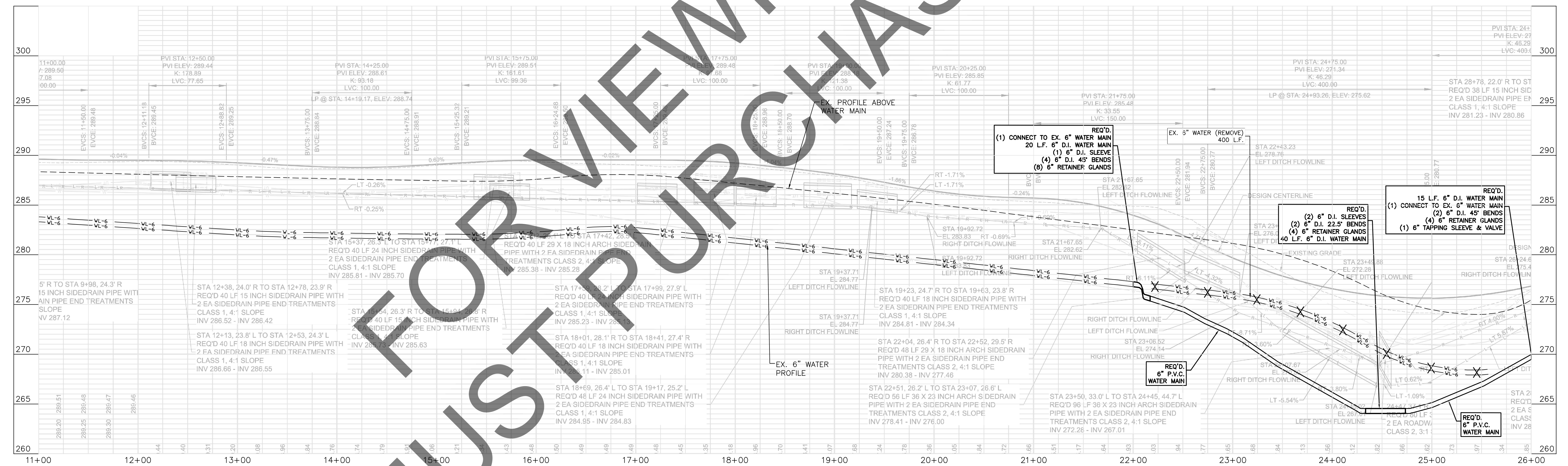
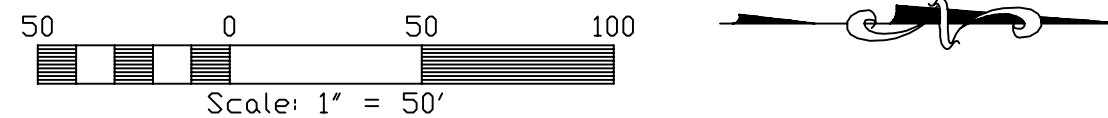
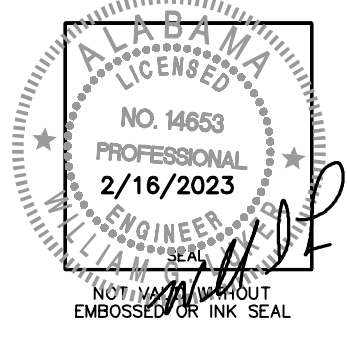
DATE	SCALE
	AS SHOWN
DRAWN BY:	CHECKED BY:
BN	ALF
DRIVEN ENGINEERING PROJECT NUMBER:	APPROVED BY:
19002	ALF
DRAWING NUMBER	TOTAL SHEETS
	REVISION



WATER LINE RELOCATION

SPEAKS & ASSOCIATES
CONSULTING ENGINEERS, INC.
732 OAK CIRCLE DRIVE WEST
MOBILE, ALABAMA 36609
PHONE: (251)666-4646, FAX: (251)666-8868

SHEET WL-3
JOB NO. 22-0311



Z:\Users\user\OneDrive\Projects\2022\SAU-22-0311-MCR-2018-204-McDavid-Rd-01-RELOCATE\04-RELOCATE.dwg, Apr 25, 2023 - 9:10:54AM, jremy

SEE SHEET C21 FOR INTERSECTION DETAIL

SEE SHEET C02 FOR DRAWING LEGEND

SCALES:
1" = 50' HOR
1" = 5' VER

— L — L — PROPOSED LEFT DITCH GRADE
— R — R — PROPOSED RIGHT DITCH GRADE

DESIGN SPEED = 30 MPH
K_v = 19 (MIN.)
K_s = 37 (MIN.)

PLANS NOT VALID UNLESS THEY BEAR A COLOR SIGNATURE OR AN EMBOSSED SEAL. PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMBER.

NO.	DATE	BY	CHKD	APP'D	DESCRIPTION
D	04/24/2020	CIF	ALF	ALF	100% SUBMITTAL FOR REVIEW
C	02/28/2020	BN	ALF	ALF	90% SUBMITTAL FOR REVIEW
B	10/30/19	BN	ALF	ALF	60% SUBMITTAL FOR REVIEW
A	07/31/19	BN	ALF	ALF	30% SUBMITTAL FOR REVIEW

CLIENT:
MOBILE COUNTY COMMISSION
MERCERIA L. LUDGOOD
CONNIE HUDSON
JERRY CARL

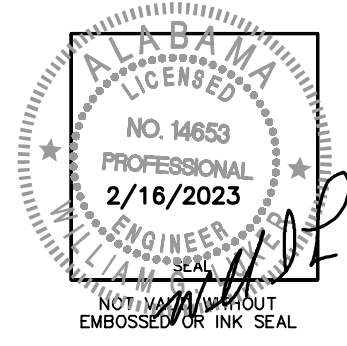
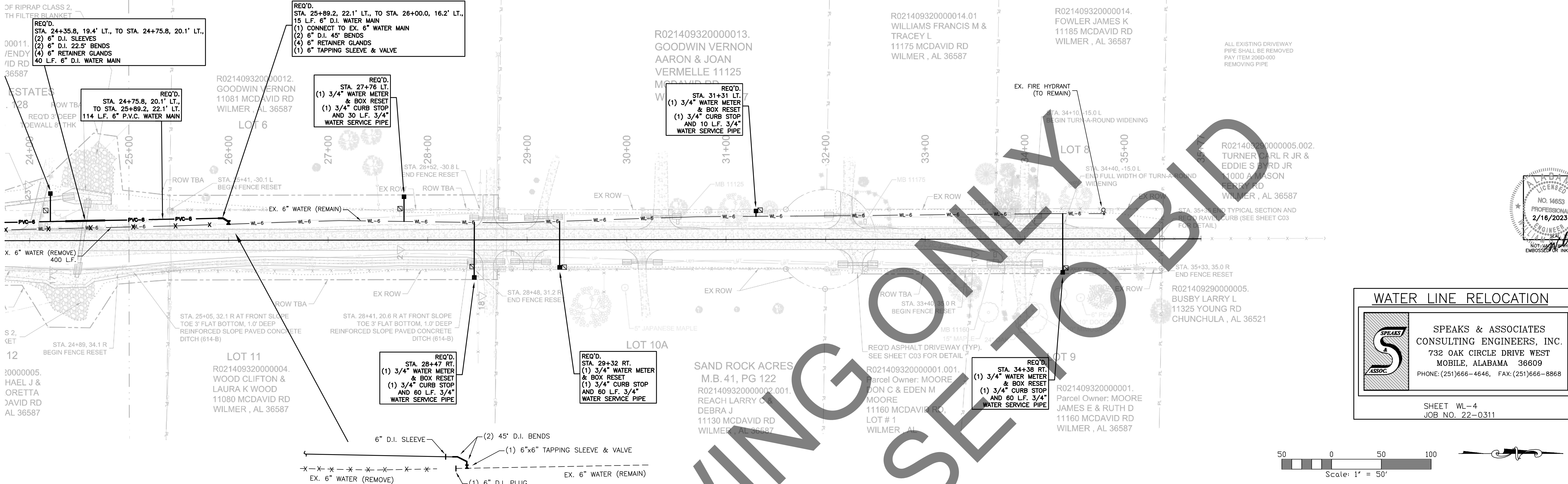
Driven Engineering, Inc.

8005 Morris Hill Road (251) 649-4011 Office
Semmes, AL 36575 (251) 645-0971 Fax
www.driveneengineering.com

TITLE:
MCR-2018-204
MCDavid ROAD
MCDavid PLAN AND PROFILE

DATE: AS SHOWN
DRAWN BY: BN
CHECKED BY: ALF
APPROVED BY: ALF
DRIVEN ENGINEERING PROJECT NUMBER: 19002
DRAWING NUMBER: TOTAL SHEETS: REVISION:

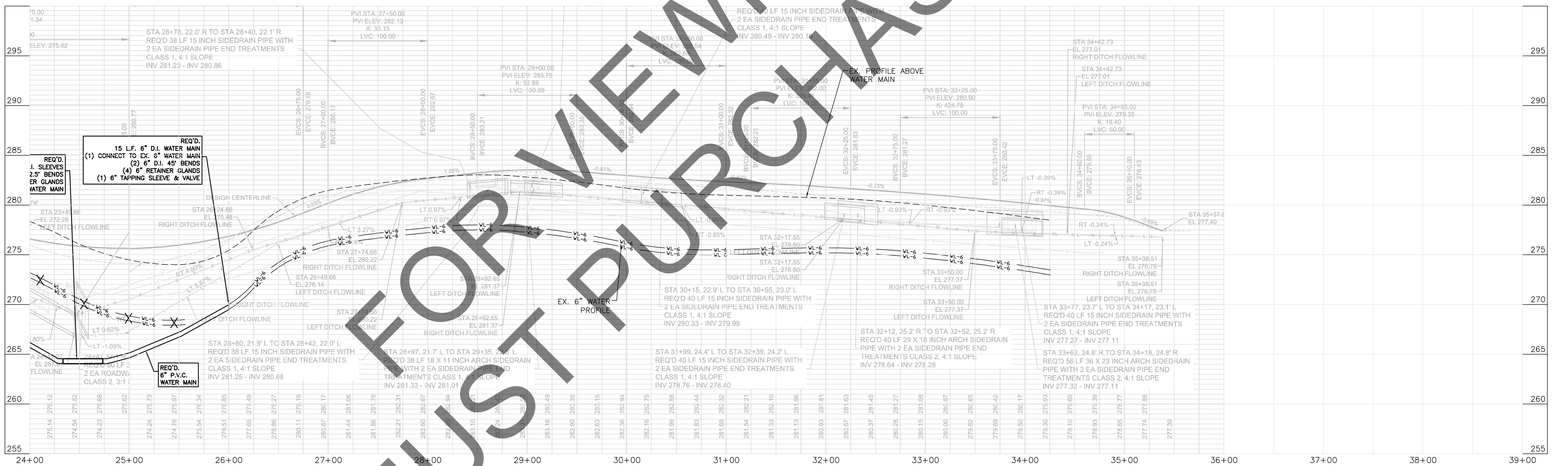
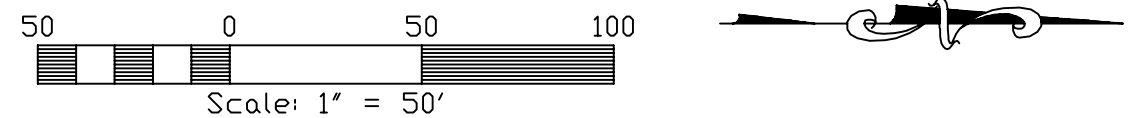
Copyright © as Dated by Driven Engineering, Inc. All Rights Reserved.



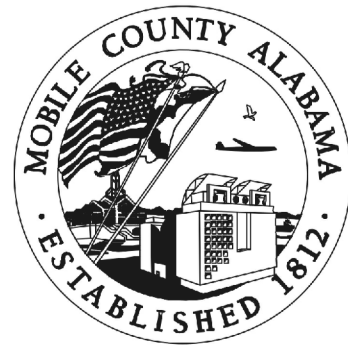
WATER LINE RELOCATION

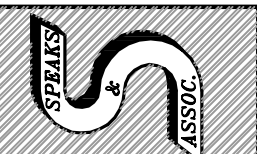
SPEAKS & ASSOCIATES
CONSULTING ENGINEERS, INC.
732 OAK CIRCLE DRIVE WEST
MOBILE, ALABAMA 36609
PHONE: (251)666-4646, FAX: (251)666-8868

SHEET WL-4
JOB NO. 22-0311



Z:\Users\jcarl\OneDrive\Projects\2022\2018-204\MCR-2018-204-MCDavid-Rd-01-RELOCATE\05-RELOCATE.dwg, Apr 25, 2023 - 9:21:53AM, jerry

<p>SCALES: 1" = 50' HOR 1" = 5' VER</p>	<p>SEE SHEET C21 FOR INTERSECTION DETAIL</p>	<p>SEE SHEET C02 FOR DRAWING LEGEND</p>	<p>DESIGN SPEED = 30 MPH K_v = 19 (MIN.) K_s = 37 (MIN.)</p>	<table border="1"> <tr><th>DATE</th><th>BY</th><th>DESCRIPTION</th></tr> <tr><td>04/24/2020</td><td>CJF</td><td>ALF</td></tr> <tr><td>02/28/2020</td><td>BN</td><td>ALF</td></tr> <tr><td>10/30/19</td><td>BN</td><td>ALF</td></tr> <tr><td>07/31/19</td><td>BN</td><td>ALF</td></tr> </table>	DATE	BY	DESCRIPTION	04/24/2020	CJF	ALF	02/28/2020	BN	ALF	10/30/19	BN	ALF	07/31/19	BN	ALF	<p>CLIENT: MOBILE COUNTY COMMISSION MERCERIA L. LUDGOOD CONNIE HUDSON JERRY CARL</p> 	<p>Driven Engineering, Inc. 8005 Morris Hill Road Semmes, AL 36575 www.driveneengineering.com</p>	<p>TITLE: MCR-2018-204 MCDavid ROAD MCDavid PLAN AND PROFILE</p>	<p>Copyright © as Dated by Driven Engineering, Inc. All Rights Reserved</p> <table border="1"> <tr><td>DATE</td><td>SCALE</td></tr> <tr><td>AS SHOWN</td><td></td></tr> <tr><td>DRAWN BY: BN</td><td>CHECKED BY: ALF</td></tr> <tr><td>APPROVED BY: ALF</td><td></td></tr> <tr><td>DRIVEN ENGINEERING PROJECT NUMBER: 19002</td><td></td></tr> <tr><td>DRAWING NUMBER</td><td>TOTAL SHEETS</td></tr> <tr><td></td><td>REVISION</td></tr> </table>	DATE	SCALE	AS SHOWN		DRAWN BY: BN	CHECKED BY: ALF	APPROVED BY: ALF		DRIVEN ENGINEERING PROJECT NUMBER: 19002		DRAWING NUMBER	TOTAL SHEETS		REVISION
DATE	BY	DESCRIPTION																																			
04/24/2020	CJF	ALF																																			
02/28/2020	BN	ALF																																			
10/30/19	BN	ALF																																			
07/31/19	BN	ALF																																			
DATE	SCALE																																				
AS SHOWN																																					
DRAWN BY: BN	CHECKED BY: ALF																																				
APPROVED BY: ALF																																					
DRIVEN ENGINEERING PROJECT NUMBER: 19002																																					
DRAWING NUMBER	TOTAL SHEETS																																				
	REVISION																																				



**SPEAKS & ASSOCIATES
CONSULTING ENGINEERS, INC.**
732 OAK CIRCLE DRIVE WEST
MOBILE, ALABAMA 36609
PHONE: (251)868-4646, FAX: (251)868-8868

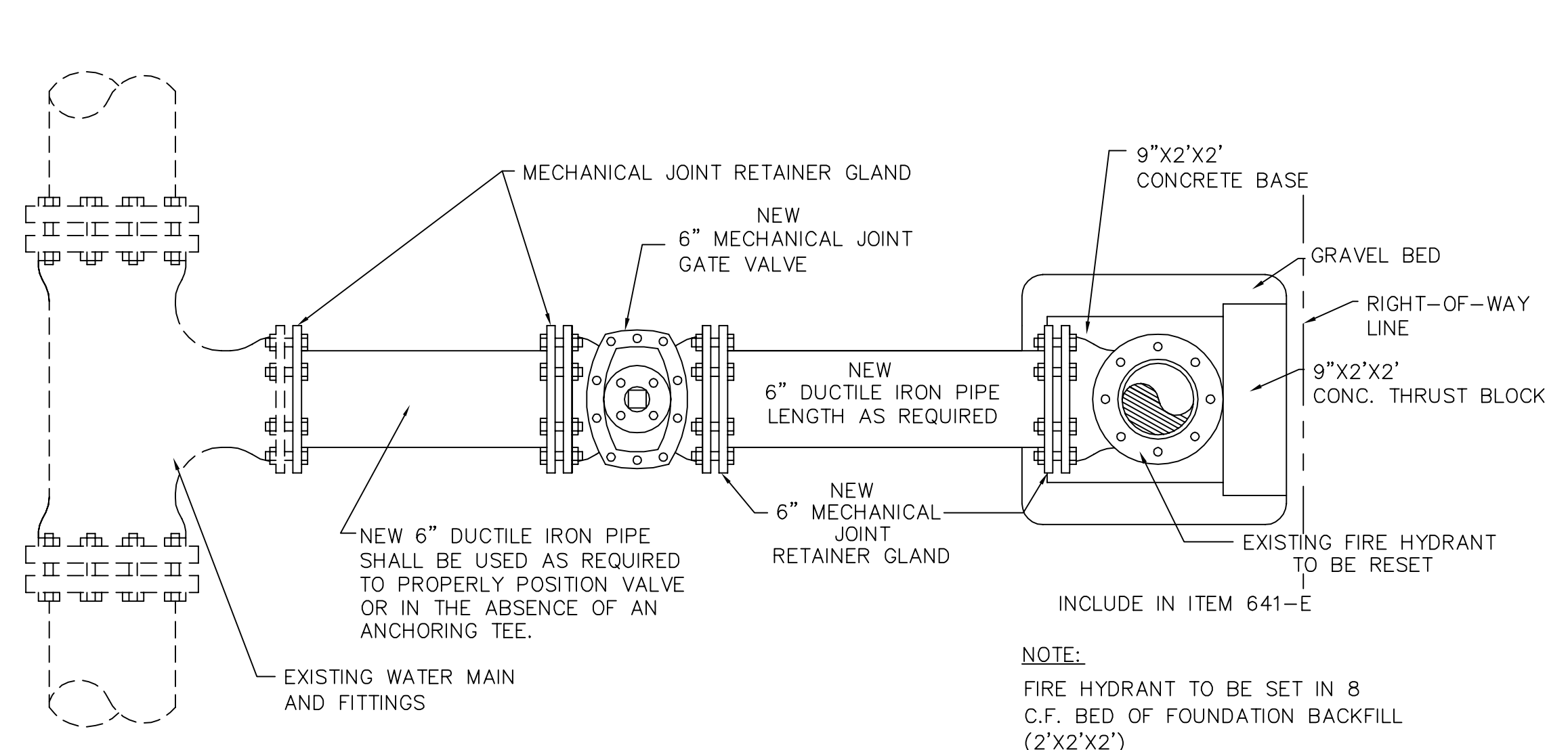
NO.	DATE	DESCRIPTION

WATER LINE RELOCATION
PROJECT MCR-2018-204 McDAVID ROAD
FOR SOUTH ALABAMA UTILITIES

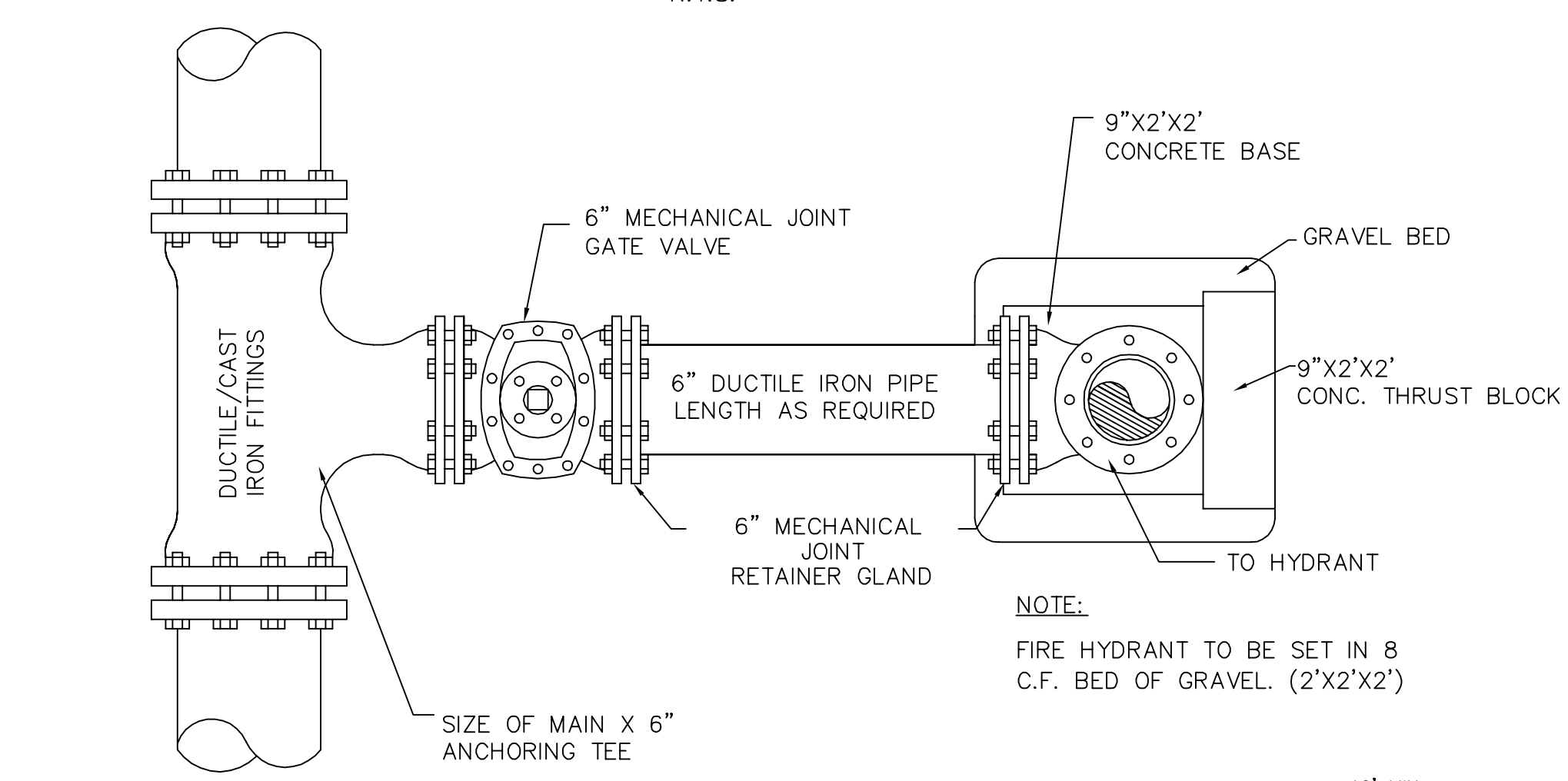
This drawing is the property of SPEAKS & ASSOCIATES CONSULTING ENGINEERS, INC. and is not to be reproduced or used in whole or in part without the written consent of the firm. If it is used in whole or in part, it is to be used only as a reference and not as a contract. The user of this drawing shall be held responsible for any errors or omissions. This drawing shall be presented to the client in the form of the firm.

DATE: DECEMBER, 2022
NO. 14653
2/16/2023
PROFESSIONAL ENGINEER
SOUTH ALABAMA UTILITIES
WL-6
SHEET

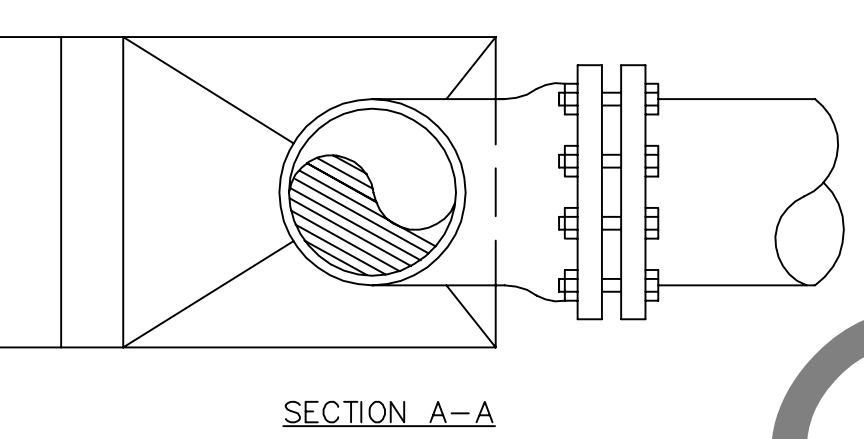
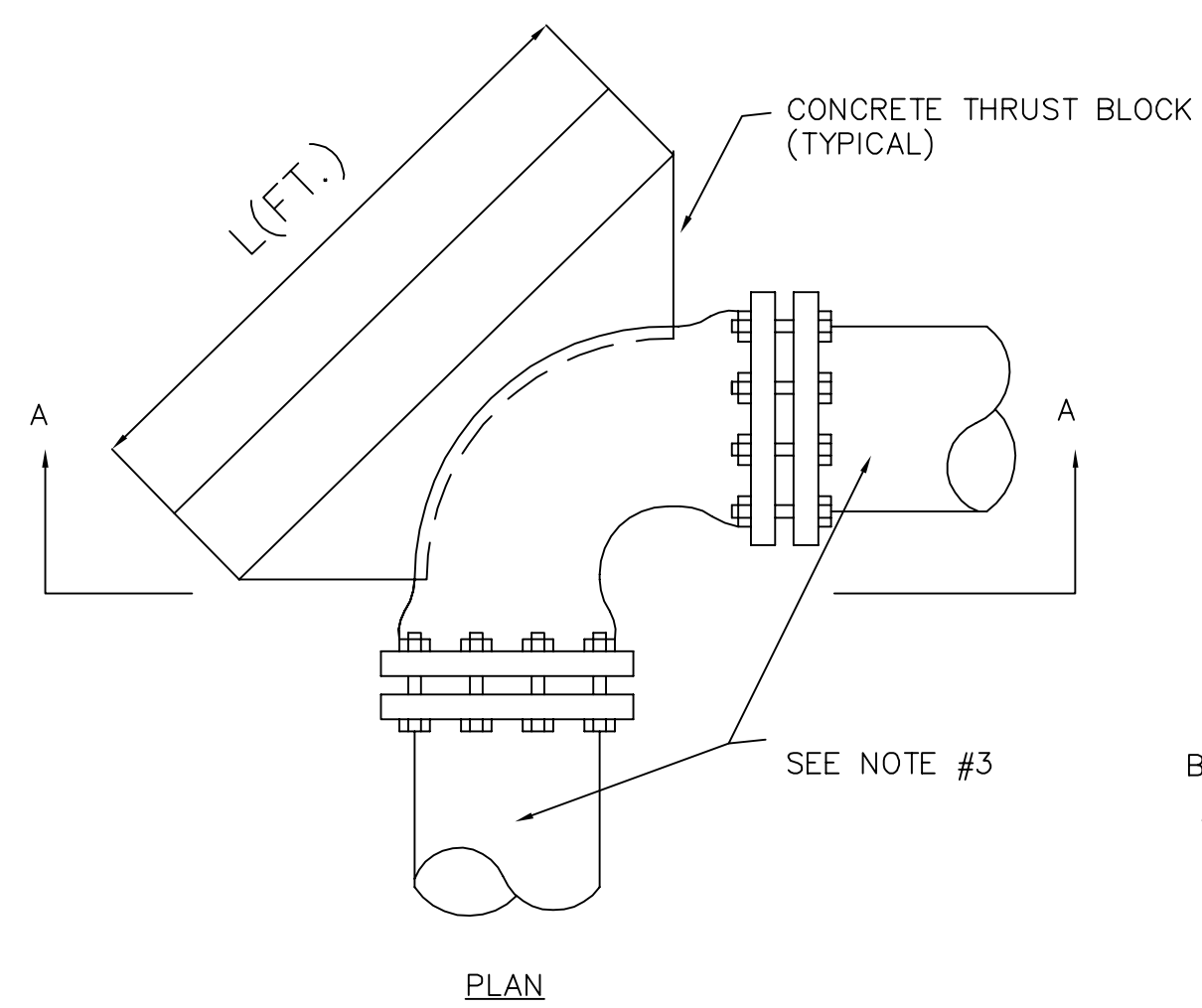
MINIMUM THRUST BLOCK AREA (SQ. FEET, L X H)			
PIPE DIA. (INCHES)	90° BENDS	TEES, DEAD ENDS, OR 45° BENDS	22.5° BENDS
2", 3", 6"	3.0	2.2	1.0
8"	5.0	4.0	1.5



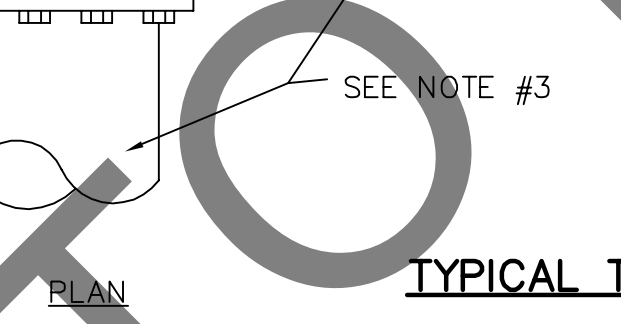
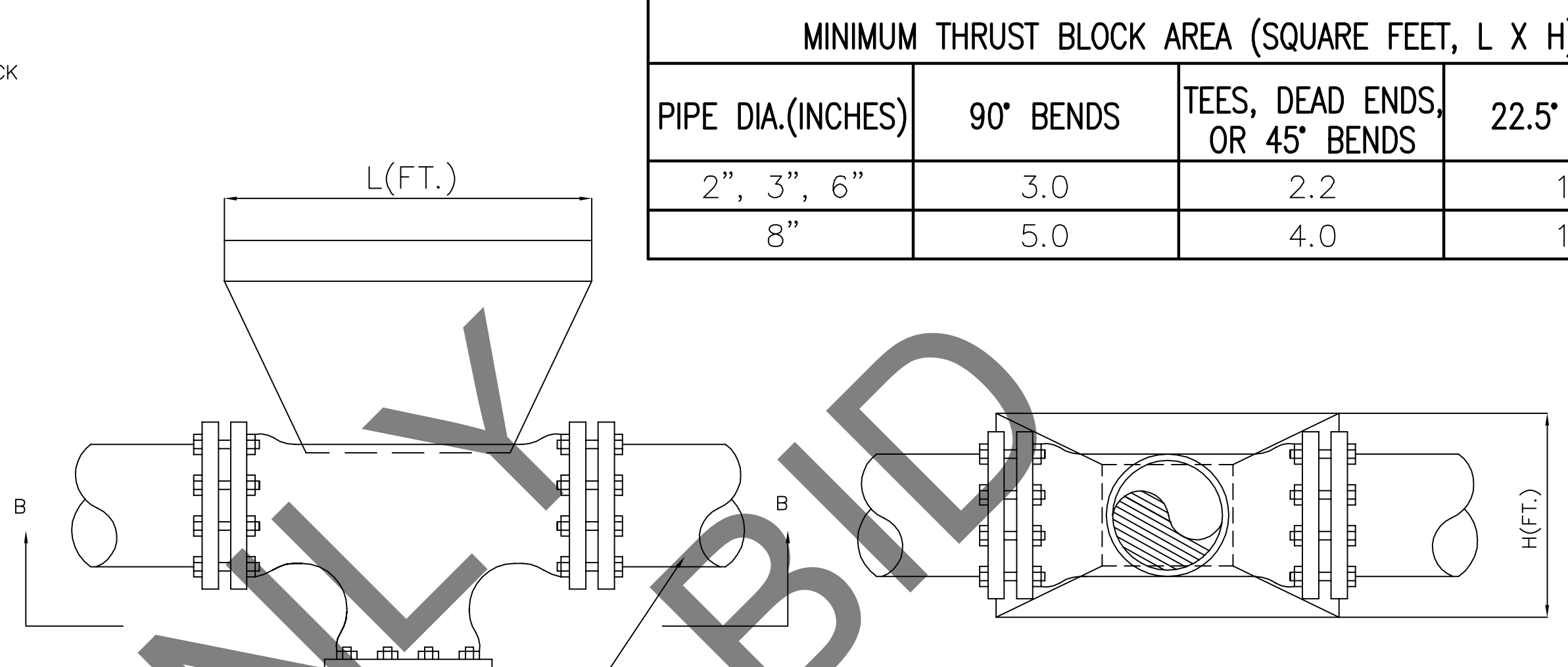
**FIRE HYDRANT RESET DETAIL
(ON EXISTING WATER MAIN)**
N.T.S.



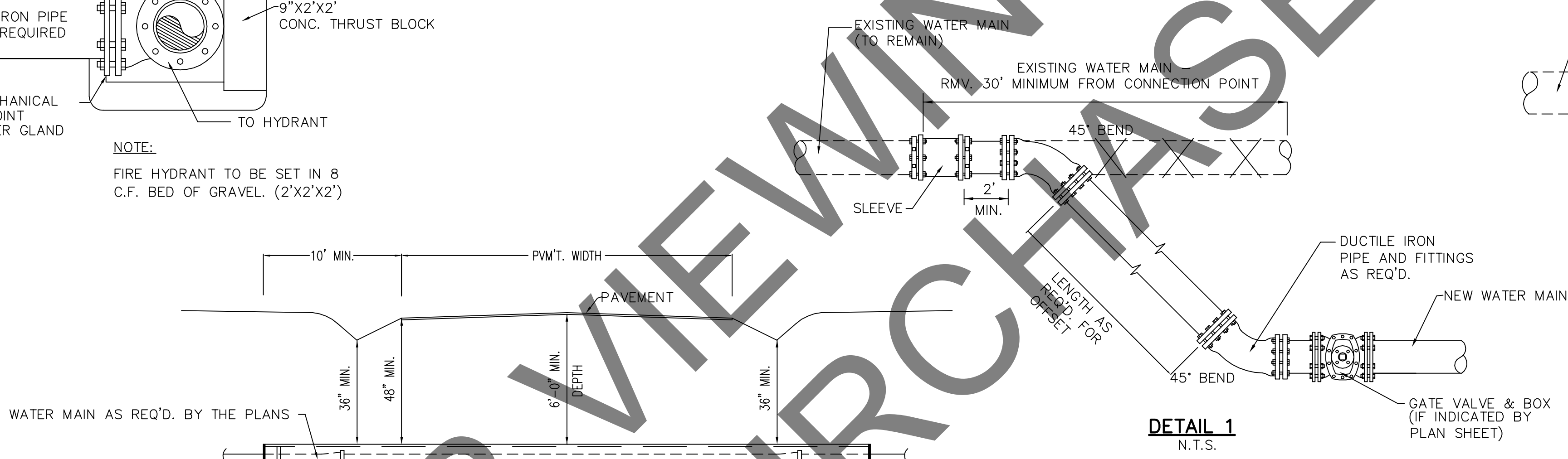
HYDRANT CONNECTION DETAIL
N.T.S.



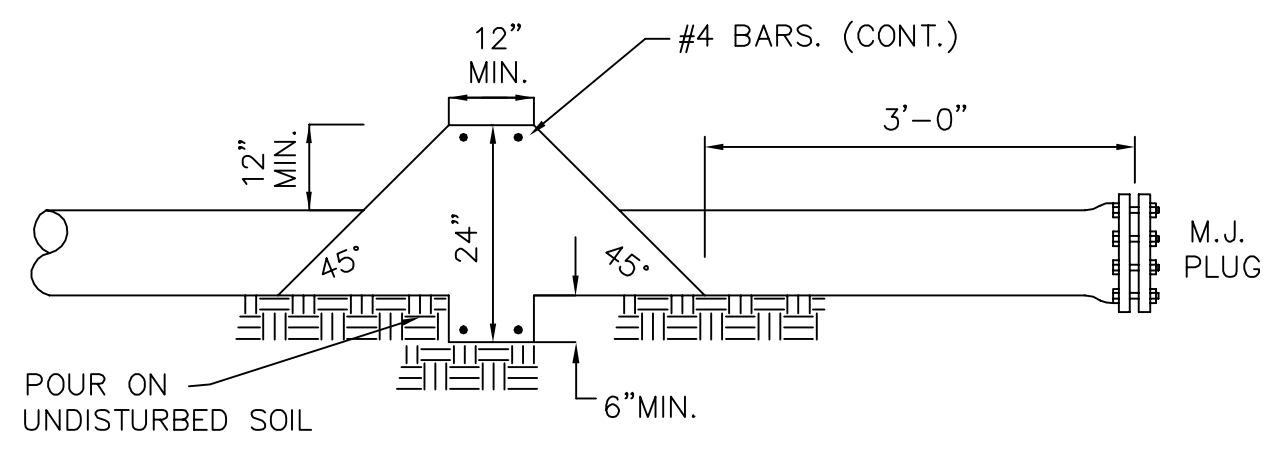
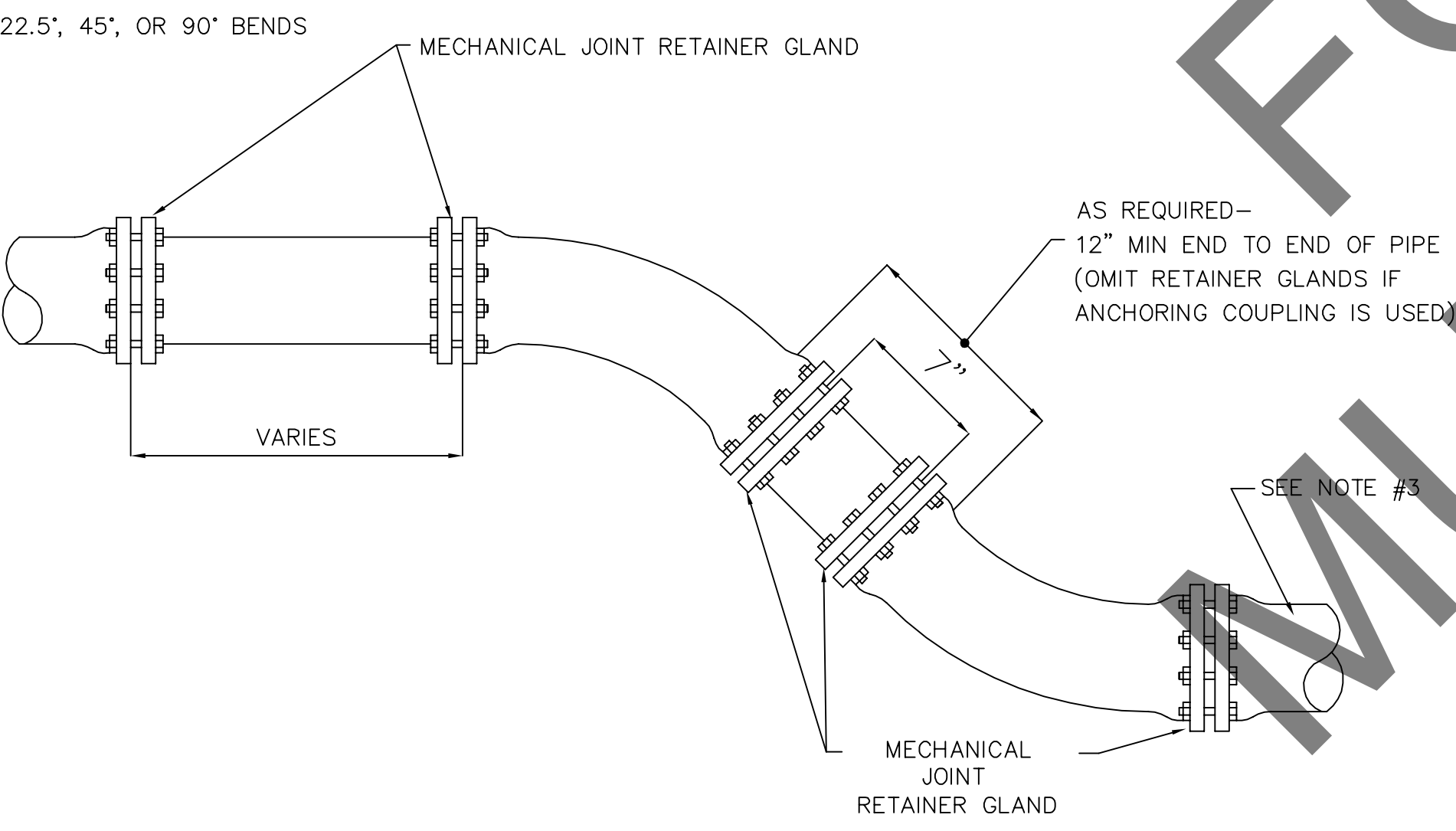
TYPICAL THRUST BLOCK FOR BENDS
N.T.S.



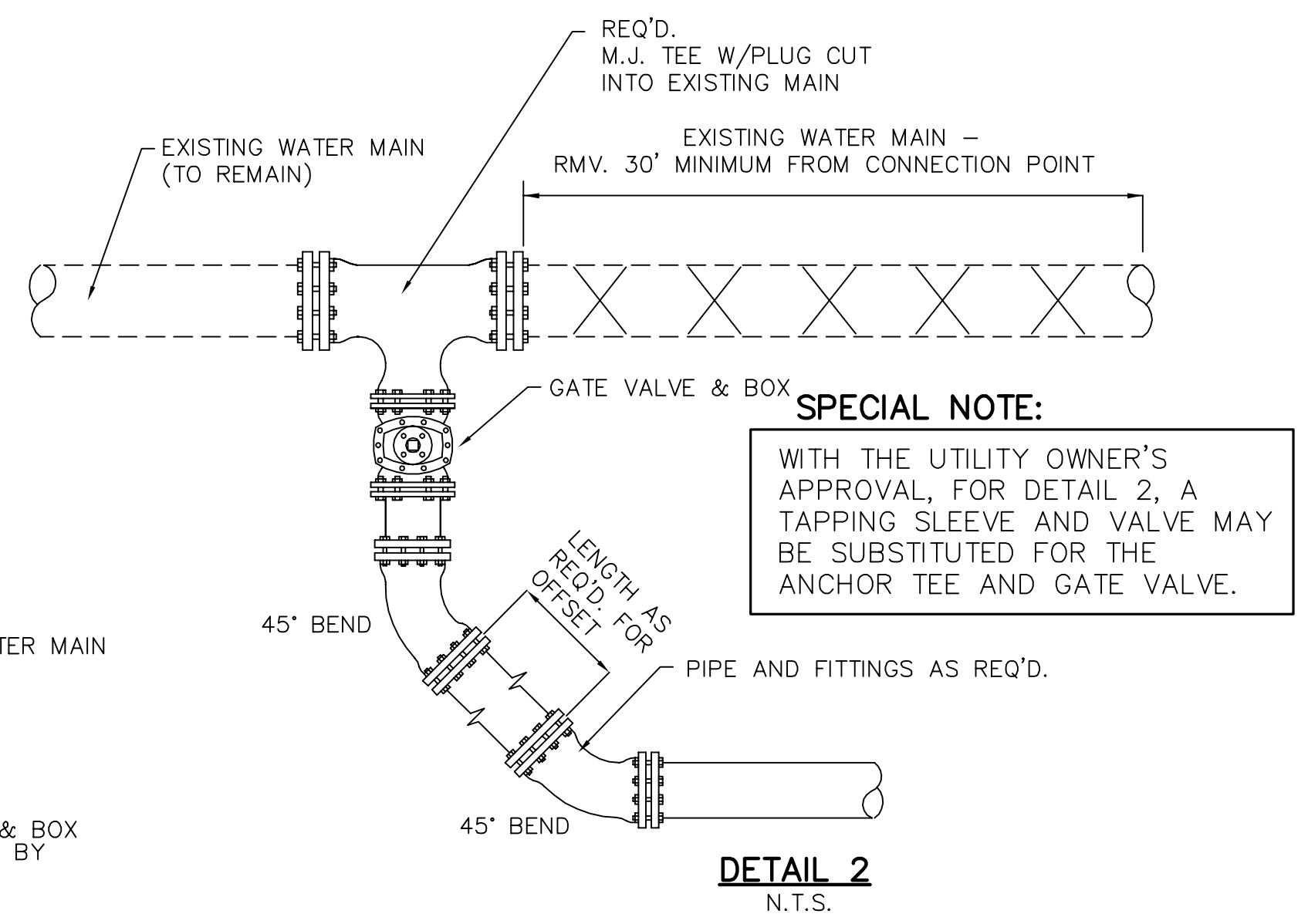
TYPICAL THRUST BLOCK FOR TEES
N.T.S.



ENCASEMENT PIPE INSTALLATION
N.T.S.



STANDARD DEAD END ANCHOR BLOCK
N.T.S.



CONNECTION TO EXISTING WATER LINE
N.T.S.

- NOTES:
- ALL FITTINGS SHALL BE MECHANICAL JOINT CAST OR DUCTILE IRON.
 - TRANSITION SLEEVES FOR DUCTILE IRON TO P.V.C. SHALL BE MECHANICAL JOINT LONG SLEEVES.
 - RETAINER GLANDS SHALL BE PROVIDED AT ALL CONNECTIONS TO FITTINGS. RETAINER GLANDS SHALL BE FOR USE ON DUCTILE IRON OR P.V.C. PIPE AS APPLICABLE. RETAINER GLANDS SHALL BE "MEGA LUG" MANUFACTURED BY EBBA IRON SALES INC. OR AN ENGINEER APPROVED EQUAL; PAY ITEM 641-M.
 - THRUST BLOCKS SHALL BE UTILIZED AT THE LOCATION OF TEES, DEAD ENDS, AND OTHER LOCATIONS AS INDICATED HEREON. THRUST BLOCKS SHALL BE PLACED ON UNDISTURBED EARTH NEATLY TRIMMED, COMPACTED, AND PREPARED TO RECEIVE CONCRETE; PAY ITEM 641-L.
 - WITH THE UTILITY OWNER'S APPROVAL, SAK-CRETE OR OTHER APPROVED CEMENT MIXTURE MAY BE UTILIZED TO CONSTRUCT THRUST BLOCKS. TESTING NOT REQUIRED.
 - FIELD PAINT NEW AND RESET HYDRANTS (RED BODY WITH WHITE BONNET AND CAPS) WITH 2 COATS OF POLYURETHANE PAINT AS APPROVED BY ENGINEER. WIRE BRUSH AND PRIME RESET HYDRANTS PRIOR TO PAINTING. INCLUDE COST IN THE UNIT PRICE BID FOR PAY ITEMS 641-D AND 641-E AS APPLICABLE.
 - COST FOR CRUSHED STONE/GRAVEL FOR FIRE HYDRANT AND FIRE HYDRANT RESET SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THOSE PAY ITEMS.
 - CONCRETE THRUST BLOCKS FOR FIRE HYDRANT AND FIRE HYDRANT RESET SHALL BE MEASURED AND PAID FOR AS ITEM 641-L.

MISCELLANEOUS WATER DETAILS

Z:\File\user\Lee\PROJECTS\2022\SAU-22-0311-MCR-2018-204-McDAVID-RD-UT-RELOCATE 07-DETAILS.dwg, Apr. 25, 2023, 9:24:15AM, Jeremy