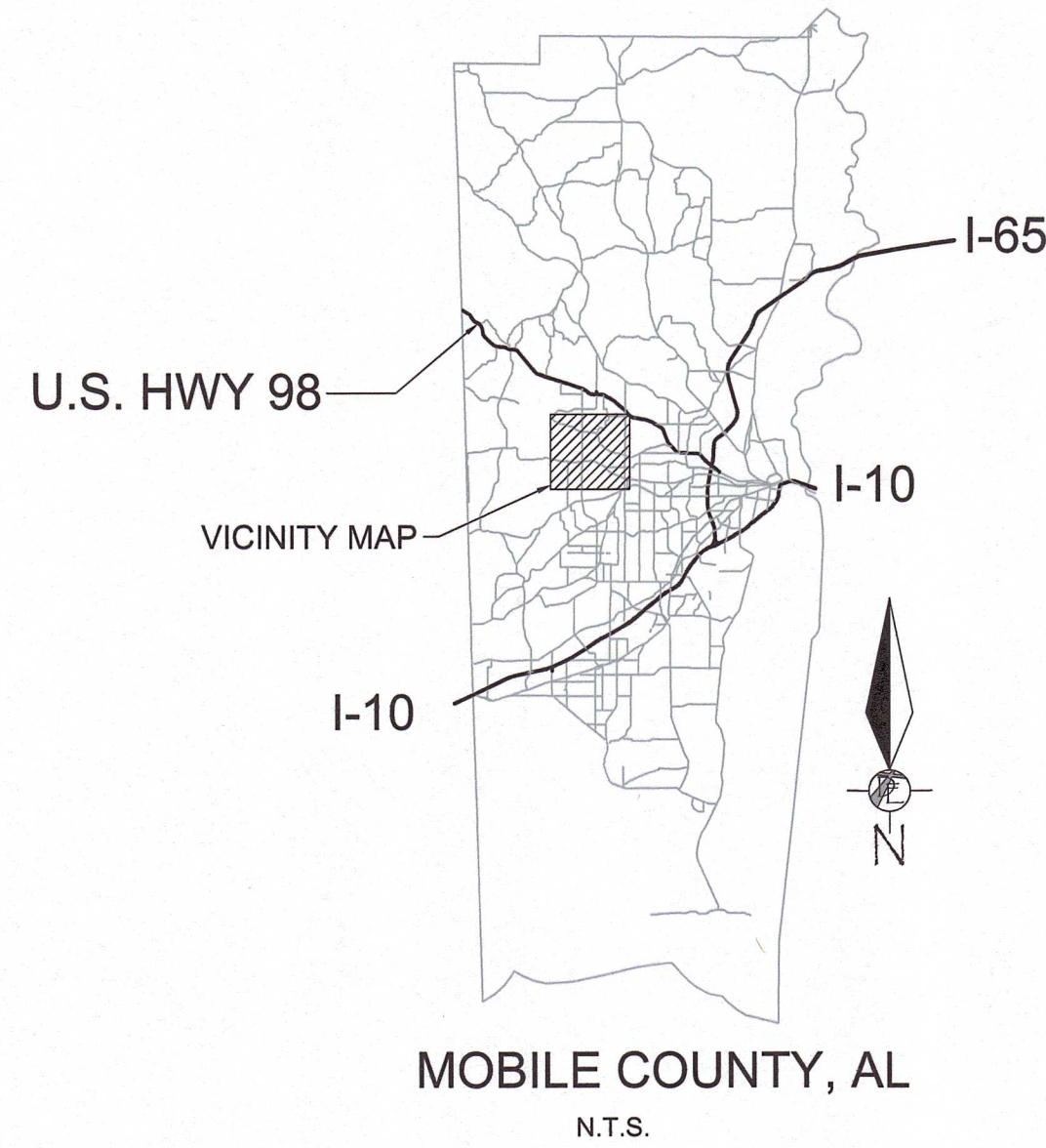




MOBILE COUNTY, ALABAMA

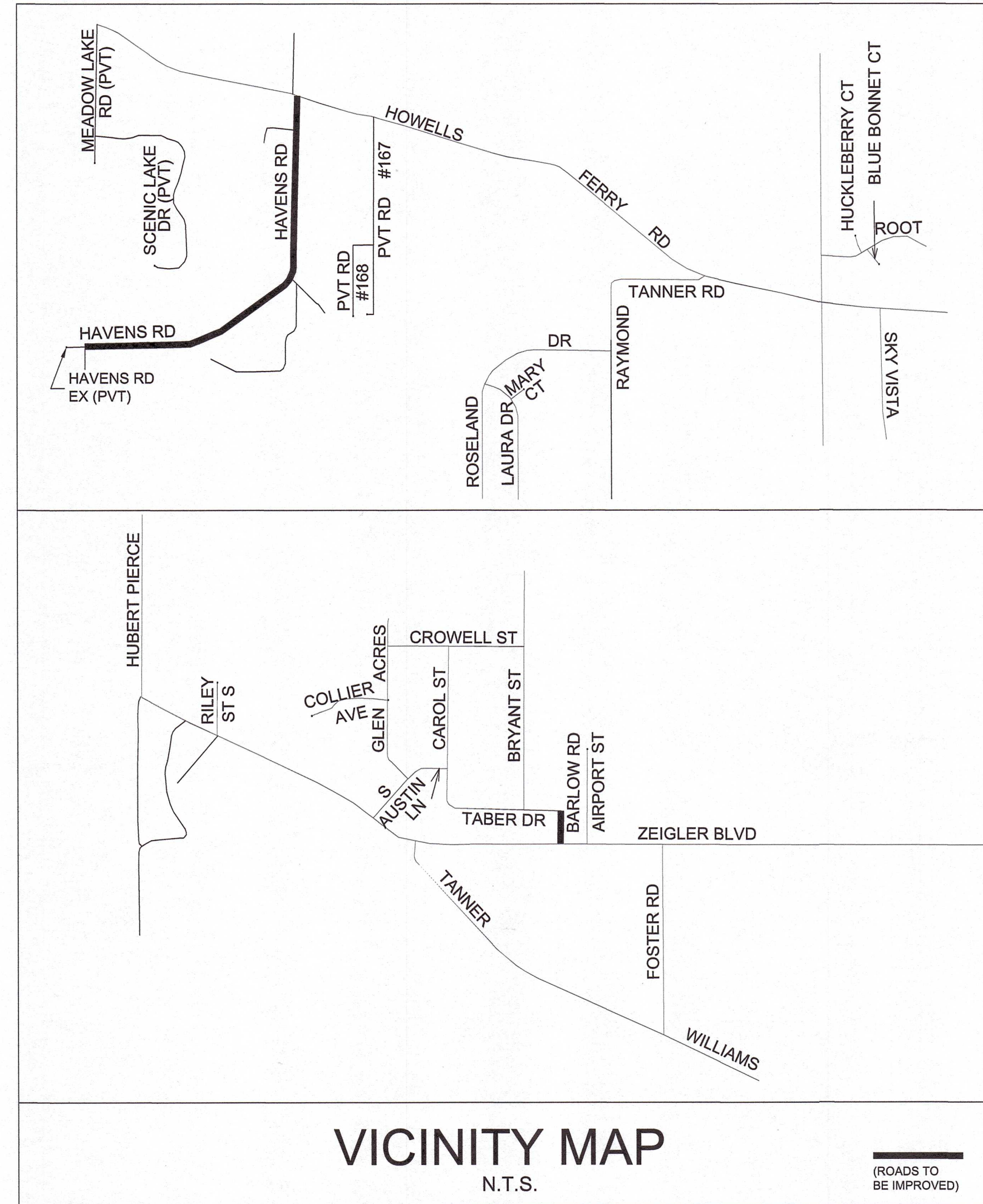
PAY-AS-YOU-GO-PROGRAM

PROJECT NO. MCR-2018-205

BARLOW ROAD AND HAVENS ROAD GRADE DRAIN BASE AND PAVE

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

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



BENCH MARKS:
BARLOW ROAD
CONTROL WAS COORDINATED WITH MCR-2016-002 ZIEGLER ROAD PROJECT

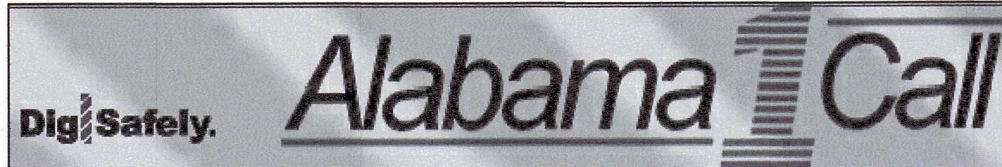
HAVENS ROAD
1. HORIZONTAL COORDINATES SHOWN ARE ALABAMA STATE PLANE COORDINATES, WEST ZONE, NAD 83.
2. ELEVATIONS SHOWN ARE NAVD88 VERTICAL DATUM, AS DERIVED FROM OPUS SESSION.
3. HORIZONTAL AND VERTICAL DATA WAS DETERMINED VIA STATIC GPS OBSERVATIONS UTILIZING CORS STATIONS.

BASE STATIONS USED
PID DESIGNATION LATITUDE LONGITUDE
DL3486 ALDI DAUPHIN ISLAND CORS ARP N301456.888 W0880440.868
DL7331 ALTO FOLEY CORS ARP N302501.022 W0874030.280
D04683 POLA PENSACOLA CORS ARP N302808.461 W0871121.867
D03054 ALMA MCDONALD JONES CORRS ARP N310144.313 W0881347.088
DL9796 ALBA ALDOT 8 DIV DIS 4 CORS ARP N314201.327 W0874720.982



BARLOW ROAD		
DATA (YEAR)	2018	2038
ADT	560	750
% TRUCKS	N/A	
FUNCTIONAL CLASSIFICATION	RESIDENTIAL	
DESIGN SPEED	25 M.P.H.	

HAVENS ROAD		
DATA (YEAR)	2018	2038
ADT	140	200
% TRUCKS	N/A	
FUNCTIONAL CLASSIFICATION	RESIDENTIAL	
DESIGN SPEED	25 M.P.H.	



UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY ALABAMA 811. 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.

SHEET INDEX	
SHEET NO	TITLE
C01	COVER SHEET
C02	LEGEND AND NOTES
C03	DETAILS
C04	TYPICAL SECTION
C05	SUMMARY OF QUANTITIES
C06	BARLOW ROAD PLAN AND PROFILE
C07	ZIEGLER BLVD PLAN AND PROFILE
C08-C11	HAVENS ROAD PLAN AND PROFILES
C12	HOWELLS FERRY ROAD PLAN AND PROFILE
C13	OUTFALL PROFILES
C14-C15	BARLOW CROSS SECTIONS
C16	ZIEGLER BLVD CROSS SECTIONS
C17-C26	HAVENS CROSS SECTIONS
C27-C28	HOWELLS FERRY CROSS SECTIONS
C29	TRAFFIC CONTROL PLAN
C30	TRAFFIC CONTROL DETAIL
C31	EROSION AND SEDIMENT CONTROL DETAILS
C32	BARLOW ROAD EROSION AND SEDIMENT CONTROL PLAN
C33	HAVENS ROAD EROSION AND SEDIMENT CONTROL PLAN
C34	HAVENS ROAD EROSION AND SEDIMENT CONTROL PLAN

ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL AND STANDARD HIGHWAY DRAWING REFERENCES, 2025 EDITION:		
INDEX	DWG. NO.	DESCRIPTION
74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES
70301	TCM-703	PAVEMENT LEGENDS AND MARKINGS DETAILS (SHEET 1 OF 2)
70302	TCM-703	PAVEMENT LEGENDS AND MARKINGS DETAILS (SHEET 2 OF 2)
71092	SHS-28	STANDARD HIGHWAY SIGNS
71093	SHS-29	STANDARD HIGHWAY SIGNS
71094	SHS-30	STANDARD HIGHWAY SIGNS
62133	I-621-S	REINFORCED CONCRETE STORM SEWER INLET TYPES S3 AND S4
61909 - 61910	HW-614-B	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
62183 - 62184	MH-621-2	DETAILS OF PRECAST CONCRETE MANHOLE (TYPE L) FOR 6" - 72" PIPE
62111	I-621-C	DETAILS OF INLET TYPE C FOR USE IN ROADSIDE DITCHES (18"-30" PIPE)
61913	HW-614-SP	CONCRETE SLOPE PAVED HEADWALL AND GRATE FOR SIDEDRAIN PIPE

LENGTH OF PROJECT SUMMARY:			
BARLOW RD	575	LINEAR FEET	0.1 MILES
HAVENS RD	3,780	LINEAR FEET	0.7 MILES

SUBMITTED BY: *Avalisha L. Fisher* DATE: 05/08/2025

AVALISHA L. FISHER, P.E., ALABAMA REG. NO. 22182

ADMINISTRATIVE APPROVAL BY: *Kim Sanderson* DATE: 5/12/2025

KIM SANDERSON, P.E.
MOBILE COUNTY ENGINEER

UTILITY OWNERS		
NATURAL GAS Spir Mr. Joshua Lessley 2828 Dauphin Street Mobile, AL 36606 (251)450-4635 (251)234-4240 (cell) (251)450-4758 (fax) Joshua.Lessley@spireenergy.com	WATER Mobile Area Water & Sewer Alan Tyree 207 North Catherine Street Mobile, AL 36604 Business: (251)694-3155 Fax: (251)694-0412 atyree@mavss.com	POWER Alabama Power Company David Richardson 150 St. Joseph Street P.O. Box 2247 Mobile, AL 36602 Business: (251)694-2450 Fax: (251)694-2449 drrichar@southernco.com
TELEPHONE AT&T Eddie Montgomery 2155 Old Shell Rd. Mobile, AL 36607 Business: (251)470-5660 Cell: (251)604-0767 Fax: (251)471-8267 em5353@att.com	WATER South Alabama Utilities Stacy Ward 4800 McCrary Rd. Semmes, AL 36575 Business: (251)649-4316 Ext. 229 Fax: (251)645-0950 sward@southalabamautilities.net	GAS South Alabama Utilities Stacy Ward 4800 McCrary Rd. Semmes, AL 36575 Business: (251)649-4316 Ext. 229 Fax: (251)645-0950 sward@southalabamautilities.net
CABLE Mediacom Jason Breckenridge 25508 Cabinet Shop Rd Loxley, AL 36551 (251) 240-0003		

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CONTRACTORS MUST PURCHASE
PLANS FROM AND REGISTER
WITH THE ENGINEER TO BE
ELIGIBLE TO BID

0

05/02/2025

CIF

ALF

ISSUED FOR BID

CLIENT:

MOBILE COUNTY COMMISSION

MERCERIA L. LUDGOOD

CONNIE HUDSON

RANDALL DUEITT

MOBILE COUNTY ALABAMA

ESTABLISHED 1811

Driven Engineering, Inc.

8005 Morris Hill Road
Semmes, AL 36575

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

www.drivenengineering.com

ALABAMA LICENSED

22182 PROFESSIONAL

ENGINEER

AVALISHA L. FISHER

TITLE:

MCR-2018-205

BARLOW RD AND HAVENS RD

COVER SHEET

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DATE: 06/11/2020

SCALE: AS SHOWN

DRIVEN ENGINEERING PROJECT NUMBER: 19001

DRAWING NUMBER: C01

TOTAL SHEETS: 34

REVISION: 0

LEGEND

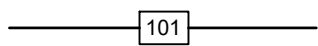
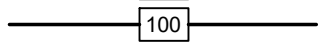
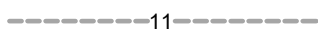
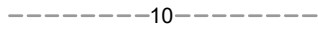
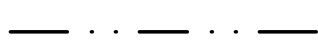
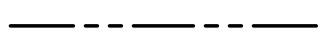
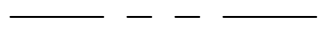
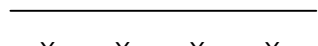
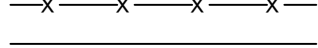
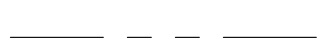
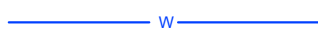
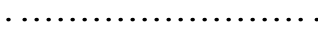
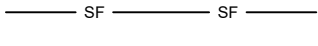
	CEDAR TREE
	LIVE OAK
	CREPE MYRTLE
	MAGNOLIA TREE
	ORNAMENTAL TREE
	PALM TREE
	SHRUB
	TREE
	CONCRETE MONUMENT
	CONTROL POINT
	CAPPED REBAR
	CRIMP TOP PIPE
	FIRE HYDRANT
	GAS METER
	GUY WIRE
	LIGHT POST
	MAIL BOX
	MAN HOLE
	MARKER
	PECAN TREE
	POWER POLE
	STREET SIGN
	TELEPHONE PEDESTAL
	PINE TREE
	WATER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

NOTE: ALL TREE SYMBOLS ARE SCALED BASED ON TREE SIZE.

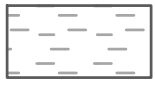
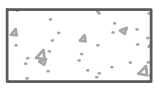
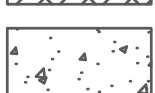
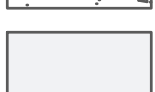
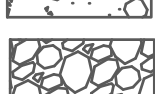
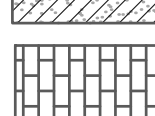
ABBREVIATIONS

(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
R/W	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

	EXISTIG DIRT
	EXISTING CONCRETE
	EXISTING ASPHALT
	EXISTING GRAVEL
	PROPOSED TURF REINFORCING MAT
	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED GRAVEL
	PROPOSED RIP RAP
	EXISTING ASPHALT DEMO
	EXISTING BRICK WALL / FENCE

BARLOW ROAD CONTROL POINTS

Point Table				
Point #	Elevation	Northing	Easting	Description
1	214.30	257632.35	1735162.76	CPT MAG SET
2	215.13	257638.85	1735017.09	CPT CRS DEI
3	221.59	257080.95	1735167.30	CPT CRS DEI
4	215.59	257571.62	1735147.65	CPT MAG SET
5	216.88	257084.12	1735471.43	CPT CRS DEI
21	220.32	257384.75	1735148.73	CPT MAG SET

HAVENS ROAD CONTROL POINTS

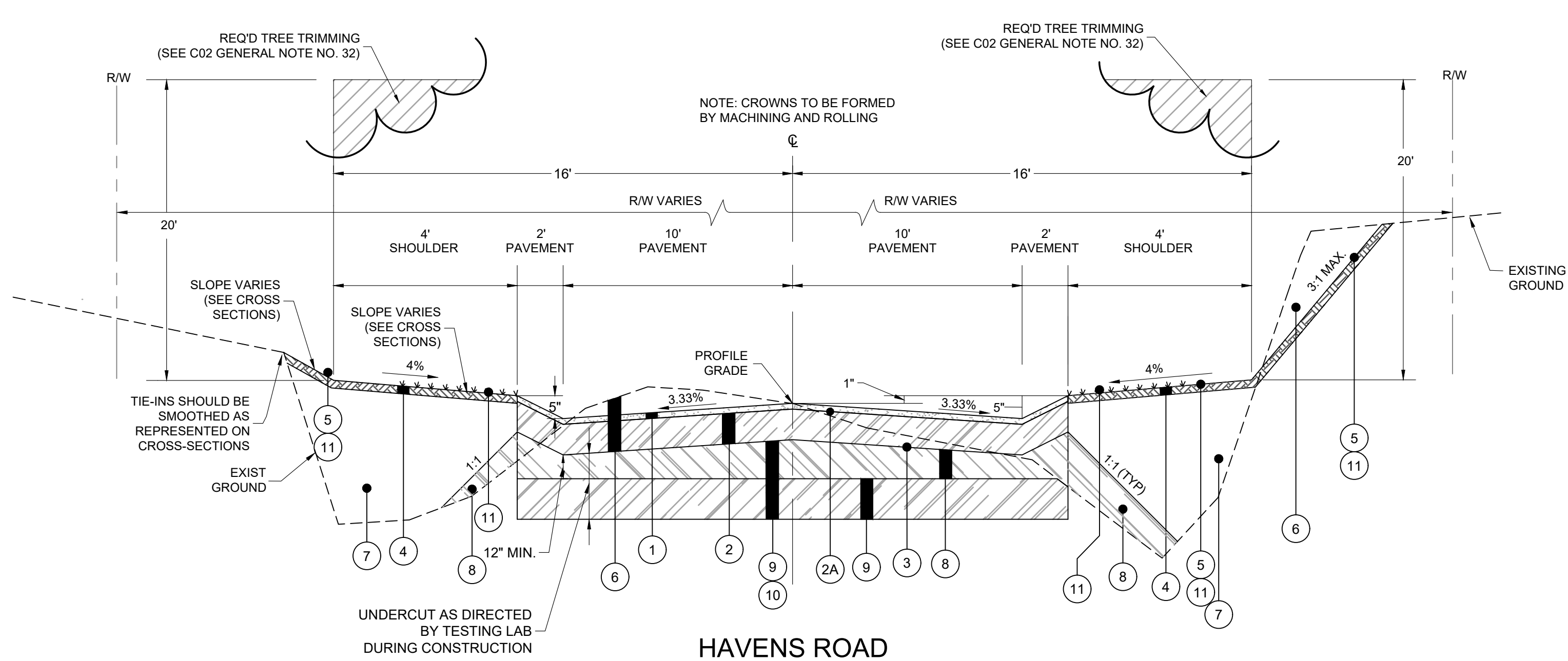
Point Table				
Point #	Elevation	Northing	Easting	Description
1	231.23	270016.62	1717021.15	CPT DEI RED CAPPED REBAR
2	214.81	270618.93	1717879.03	CPT RED CAPPED REBAR
3	209.62	271418.11	1717922.46	CPT MAG SET
4	215.99	272218.17	1717915.24	CPT MAG SET
5	216.68	272975.07	1717952.54	CPT DEI RED CR
9	231.72	269752.62	1717092.88	CPT DEI RED CR
10	219.48	270442.43	1717560.06	CPT DEI RED CR
11	209.00	270952.92	1718015.48	CPT DEI RED CR
12	206.87	271454.26	1717856.79	CPT DEI RED CR
14	203.45	273101.60	1717298.48	CPT DEI RED CR
15	219.03	272699.15	1718608.16	CPT DEI RED CR
21	228.13	269837.95	1716805.54	CPT DEI RED CR
22	213.96	270331.46	1717881.87	CPT DEI RED CAPPED REBAR
23	212.55	271757.50	1718224.39	CPT DEI RED CR

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ELIGIBLE TO BID

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 ON 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 2022 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 2022 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 2022 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 USING ANY OFFSET 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. 12, T-4-S, R-3-W, AND SEC. 32, T-3-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 TERRACON.
- ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
- HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
- 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 SOD 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, 2022 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 ALL APPLICABLE ALDOT CERTIFICATIONS. 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 AND 8 INCHES THICK UNLESS CONNECTED TO A CONCRETE DITCH SECTION OR A BEVELED END SECTION IS SPECIFIED.
- LINEAR FOOTAGE OF STORM DRAIN PIPES SHOWN ON PLAN SHEETS INCLUDES BEVELED END SECTIONS, IF APPLICABLE.
- 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 SAVED 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 SHALL BE USED FOR ROADWAY PIPE OR STORM SEWER PIPE LOCATED BENEATH THE COUNTY ROADWAY.
- 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.
- THE TRIMMING PAY ITEM IN THIS PROJECT INCLUDES REMOVING LITTER AND DEBRIS FROM THE AREAS TO BE TRIMMED PRIOR TO TRIMMING. ANY DEBRIS REMAINING IN TRIMMED AREAS SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY AFTER TRIMMING IN ORDER FOR THE ENGINEER TO APPROVE PAYMENT OF THE TRIMMING 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.
- AGGREGATE SURFACING PAY ITEM INCLUDES REMOVING ANY AGGREGATE SURFACING NECESSARY TO GET TO GRADE.
- LIMITS OF CONSTRUCTION ILLUSTRATE WHERE PROPOSED AND EXISTING GRADE TIE TOGETHER. THIS DOES NOT REPRESENT PROJECT LIMITS.
- CONTRACTOR IS TO NOTIFY SOUTH ALABAMA UTILITIES ONCE THE CLEARING AND GRUBBING IS COMPLETE ON BARLOW ROAD. AT THAT TIME, SOUTH ALABAMA UTILITIES WILL HAVE 30 CALENDAR DAYS TO COMPLETE THE RELOCATION WORK OF THEIR WATER LINE ON THIS ROAD.
- CONTRACTOR IS TO NOTIFY SOUTH ALABAMA UTILITIES ONCE THE CLEARING AND GRUBBING IS COMPLETE ON HAVENS ROAD. AT THAT TIME, SOUTH ALABAMA UTILITIES WILL HAVE 40 CALENDAR DAYS TO COMPLETE THE RELOCATION WORK OF THEIR WATER LINE AND GAS LINE ON THIS ROAD.
- IF CONTRACTOR DOES ANY PAY ITEM WORK ON ANY ROAD WITHIN THE PROJECT DURING THE UTILITY RELOCATION PERIOD, TIME WILL BE CHARGED FOR THOSE DAYS AS IF THERE WAS NO UTILITY RELOCATION PERIOD.
- WHERE ASPHALT SURFACES ARE DESIGNED TO DRAIN TOWARD GRASSED SHOULDERS, SOLID SOD PLACEMENT MUST BE COMPLETED SO THAT STORMWATER RUNOFF FROM FINISHED ASPHALT SURFACE IS NOT SLOWED OR BLOCKED. IF SOD IS PLACED TOO HIGH AND MOBILE COUNTY PUBLIC WORKS IS UNSATISFIED, CONTRACTOR WILL REMOVE AND REPLACE SOD AT THE PROPER ELEVATION FOR NO ADDITIONAL PAY.

		CLIENT:		MOBILE COUNTY COMMISSION				Driven Engineering, Inc. 8005 Morris Hill Road Semmes, AL 36575 (251) 649-4011 Office (251) 645-0971 Fax www.drivenengineering.com				TITLE:		MCR-2018-205 BARLOW RD AND HAVENS RD		-Copyright © as Drafted by Driven Engineering, Inc.- All Rights Reserved DATE: 06/11/2020 SCALE: AS SHOWN DRIVEN ENGINEERING PROJECT NUMBER: 19001 DRAWING NUMBER: C02 TOTAL SHEETS: 34 REVISION: 0	
				MERCERIA L. LUDGOOD CONNIE HUDSON RANDALL DUEITT													
0		05/02/2025		C/F		ALF		ALF									

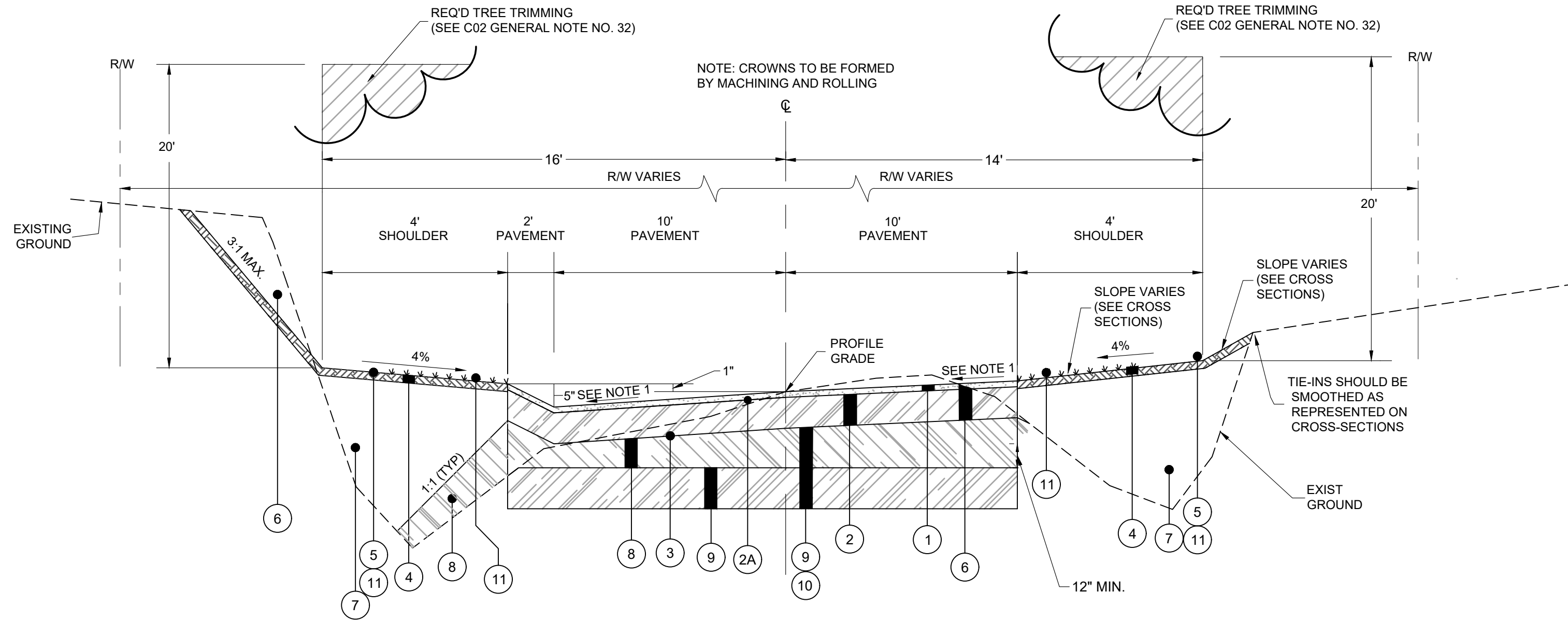


TYPICAL SECTION - ASPHALT WING

NOT TO SCALE

STA 0+25 TO STA. 37+79.83

HAVENS ROAD ASPHALT WING SLOPES WILL VARY FROM STA 0+70 TO STA 1+20 FROM 20% (NORMAL TYPICAL SECTION) TO -4.0% TO ALLOW WING DRAINAGE TO RELEASE INTO SHALLOW SWALES. SEE SHEET C13 FOR SWALE DESIGN PROFILES



BARLOW ROAD

TYPICAL SECTION - SINGLE SLOPE TO LT ASPHALT WING

NOT TO SCALE

STA 0+22.94 TO STA 5+75.00

NOTE 1: BARLOW ROAD ASPHALT LANE CROSS SLOPES VARY. SEE CROSS SECTIONS AND GRADING DETAIL ON SHEET C07 AND TABLE BELOW

BARLOW CROSS SLOPES TABLE (FROM CENTER TO EOP)		
STA.	CROSS SLOPE LT	CROSS SLOPE RT
0+22.94	MATCH ZIEGLER (+1.9%)	MATCH ZIEGLER(-2.5%)
0+45	+1.7%	-2.5%
0+57	+0.4%	-0.1%
0+66	-1.4%	+3.3%
1+00	-3.3%	+3.3%
3+75	-3.3%	+3.3%
4+15	-4.0%	+4.0%
5+14	-4.0%	+4.0%
5+35	-3.6%	+1.4%
5+75	MATCH TABER(-0.3%)	MATCH TABER(+3.2%)

ASPHALT BUILDUP LEGEND

- 1 424-A340 SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAX AGGREGATE SIZE MIX, ESAL RANGE B (180 LB/SY) (PER TON)
- 2 301-A012 CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 5" COMPACTED THICKNESS
- 2A 401-A000 BITUMINOUS TREATMENT TYPE A PRIME
- 3 230-A000 ROADBED PROCESSING (PER ROADBED STATION)
- 4 650-A000 TOPSOIL, 4" COMPACTED THICKNESS SEE MOBILE COUNTY SUPPLEMENTAL SPECIFICATION IN CONTRACT FOR METHOD OF MEASUREMENT
- 5 652-A100 SEEDING (PER ACRE)
656-A010 MULCHING (PER ACRE)
- 6 210-A000 UNCLASSIFIED EXCAVATION (PER CY)
- 7 210-A000 SELECT MATERIAL FROM UNCLASSIFIED EXCAVATION OR BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
- 8 210-D022 BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) (A-2-4(0) OR A-4(0))
- 9 210-D024 BORROW EXCAVATION (A3 OR BETTER) LOOSE TRUCKBED MEASUREMENT
- 10 210-A001 UNCLASSIFIED EXCAVATION, (SPECIAL UNDERCUTTING) WHERE REQUIRED BY TESTING LAB
- 11 654-A001 SOLID SODDING (BERMUDA) 42" WIDE (MIN) ALONG BOTH PAVEMENT EDGES (SEE GENERAL NOTE 40 ON SHEET C02)

** NOTE: COMPACT TO 100% OF AASHTO T-99

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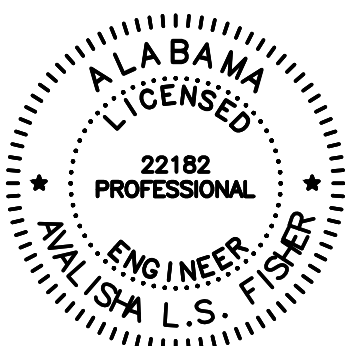
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			ISSUED FOR BID

CLIENT:
MOBILE COUNTY
COMMISSION

MERCERIA L. LUDGOOD
CONNIE HUDSON
RANDALL DUEITT



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TITLE: MCR-2018-205 BARLOW RD AND HAVENS RD TYPICAL SECTION		-Copyright © as Dated by Driven Engineering, Inc.- All Rights Reserved	
DATE 06/11/2020	SCALE AS SHOWN	DRIVEN ENGINEERING PROJECT NUMBER: 19001	
DRAWING NUMBER C04	TOTAL SHEETS 34	REVISION 0	

BARLOW ROAD	HAVENS ROAD	ESTIMATED TOTAL	ITEM NUMBER	UNIT	DESCRIPTION
0.15	0.85	1	201-A002	LS	CLEARING AND GRUBBING (APPROX. 0.5 AC BARLOW, 3.9 AC HAVENS)
0	40	40	206-C001	SY	REMOVING CONCRETE PAVEMENT
384	57	441	206-C030	SY	REMOVING ASPHALT
0	205	205	206-D000	LF	REMOVING PIPE
3	2	5	206-E000	EA	REMOVING HEADWALLS
7	26	33	209-A000	EA	MAILBOX RESET
775	3045	3820	210-A000	CY	UNCLASSIFIED EXCAVATION
585	4448	5033	210-A001	CY	UNCLASSIFIED EXCAVATION (SPECIAL UNDERCUT)
55	1324	1379	210-D001	CY	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
440	3333	3773	210-D022	CY	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) A-2-4(0) OR A-4(0)
440	3333	3773	210-D023	CY	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) A-3 OR BETTER
6	38	44	230-A000	STA	ROADBED PROCESSING
1317	10010	11327	301-A008	SYCIP	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 5" COMPACTED THICKNESS
1317	10010	11327	401-A000	SY	BITUMINOUS TREATMENT TYPE A PRIME
120	910	1030	424-A340	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (180 LB/SY)
50	200	250	430-B003	TON	AGGREGATE SURFACING
64	0	64	533-A000	LF	8" STORM SEWER PIPE, CORRUGATED SMOOTH FLOW POLYETHYLENE
0	79	79	533-A001	LF	15" STORM SEWER PIPE
164	276	440	533-A002	LF	18" STORM SEWER PIPE
31	758	789	533-A003	LF	24" STORM SEWER PIPE
0	281	281	533-A004	LF	30" STORM SEWER PIPE
110	0	110	533-B001	LF	18" X 11" STORM SEWER PIPE
0	26	26	533-B098	LF	22" X 14" STORM SEWER PIPE
0	107	107	533-B099	LF	29" X 18" STORM SEWER PIPE
0	85	85	533-B102	LF	51" X 31" STORM SEWER PIPE
0.15	0.85	1	600-A000	LS	MOBILIZATION
600	2000	2600	606-A000	LF	6" UNDERDRAIN PIPE
180	199	379	610-A004	SY	LOOSE RIPRAP, CLASS 2, 24" THICK
230	270	500	610-D003	SY	FILTER BLANKET, GEOTEXTILE (NON-WOVEN)
0	44	44	618-B000	SY	CONCRETE DRIVEWAY, 4" THICK
1	0	1	619-A102	EA	18" SIDE DRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
1		1	619-A103	EA	18" DOUBLE SIDE DRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
	1	1	619-A104	EA	18" ROADWAY PIPE END TREATMENT CLASS 1 3:1 SLOPE
0	1	1	619-A105	EA	24" ROADWAY PIPE END TREATMENT CLASS 1 3:1 SLOPE
1		1	619-A106	EA	24" SIDEDRAIN PIPE END TREATMENT CLASS 1 4:1 SLOPE
0	2	2	619-B102	EA	29" SPAN, 18" RISE SIDEDRAIN PIPE END TREATMENT CLASS 2 4:1 SLOPE
0	2	2	619-B103	EA	51" SPAN, 31" RISE ROADWAY PIPE END TREATMENT CLASS 2 3:1 SLOPE
2	0	2	621-C000	EA	INLET TYPE C DITCH GRATE
0	3	3	621-C001	EA	INLET TYPE S3 (1 WING)
0	4	4	621-C002	EA	INLET TYPE S3 (2 WING)
0	1	1	621-C003	EA	INLET TYPE S4 (1 WING)
0	2	2	621-C004	EA	INLET TYPE S4 (2 WING)(EXTRA LARGE BOX FOR ARCH PIPES)
1	0	1	621-C005	EA	MANHOLE TYPE L 36"X36" MIN INSIDE
1	0	1	621-C006	EA	MANHOLE TYPE L 48" X 72" MIN INSIDE
0	2	2	621-C007	EA	MANHOLE TYPE L 48" X 48" MIN INSIDE
2	1	3	621-C008	EA	MOBILE COUNTY X INLET (CUSTOM TOPS IN CURVES)
0	92	92	623-B120	LF	CONCRETE CURB, RAVEL
301	3225	3526	637-A000	LF	FENCE RESET
249	0	249	637-C000	LF	NEW FENCE, ALL TYPES, NEW MATERIAL PER PLANS
110	890	1000	650-A000	CY	TOPSOIL, 4" COMPACTED THICKNESS (CYIP PER SPECIFICATION)
1	4	5	652-C000	AC	MOWING
0.2	1.6	1.8	652-A100	AC	SEEDING
976	8000	8976	654-A001	SY	SOLID SODDING (BERMUDA)
0.2	1.6	1.8	656-A010	AC	MULCHING
200	500	700	656-D000	SY	EROSION CONTROL NETTING
0.2	1.6	1.8	665-A000	AC	TEMPORARY SEEDING
1	3	4	665-H000	EA	EROSION CONTROL CHECK DAM (RIPRAP)
956	5877	6833	665-J002	LF	SILT FENCE
956	5877	6833	665-O001	LF	SILT FENCE REMOVAL
5	12	17	665-P001	EA	INLET SEDIMENT BARRIER
180	140	320	665-Q002	LF	WATTLE
0.15	0.85	1	680-A000	LS	GEOMETRIC CONTROLS
0.15	0.85	1	698-A001	LS	CONSTRUCTION FUEL (MAXIMUM BID LIMITED TO \$60000
32	48	80	703-A000	SF	TRAFFIC CONTROL MARKINGS CLASS 2, TYPE A
184	208	392	740-B000	SF	CONSTRUCTION SIGNS (TYPE IV)
30	30	60	740-D000	EA	CHANNELIZING DRUMS
45	45	90	740-E000	EA	CONES (36 INCHES HIGH)
2	2	4	740-I000	EA	WARNING LIGHTS
45	45	90	740-M001	EA	CONE BALLAST
129	760	889	1002-A001	SY	RESIDENTIAL ASPHALT DRIVEWAY
0	60	60	1002-B001	SY	COMMERCIAL ASPHALT DRIVEWAY

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0	05/02/2025 CIP ALF ALF ISSUED FOR BID

CLIENT:
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COMMISSION

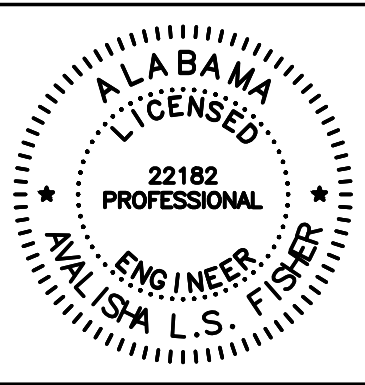
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TITLE:

MCR-2018-205
BARLOW RD AND HAVENS RD

SUMMARY OF QUANTITIES

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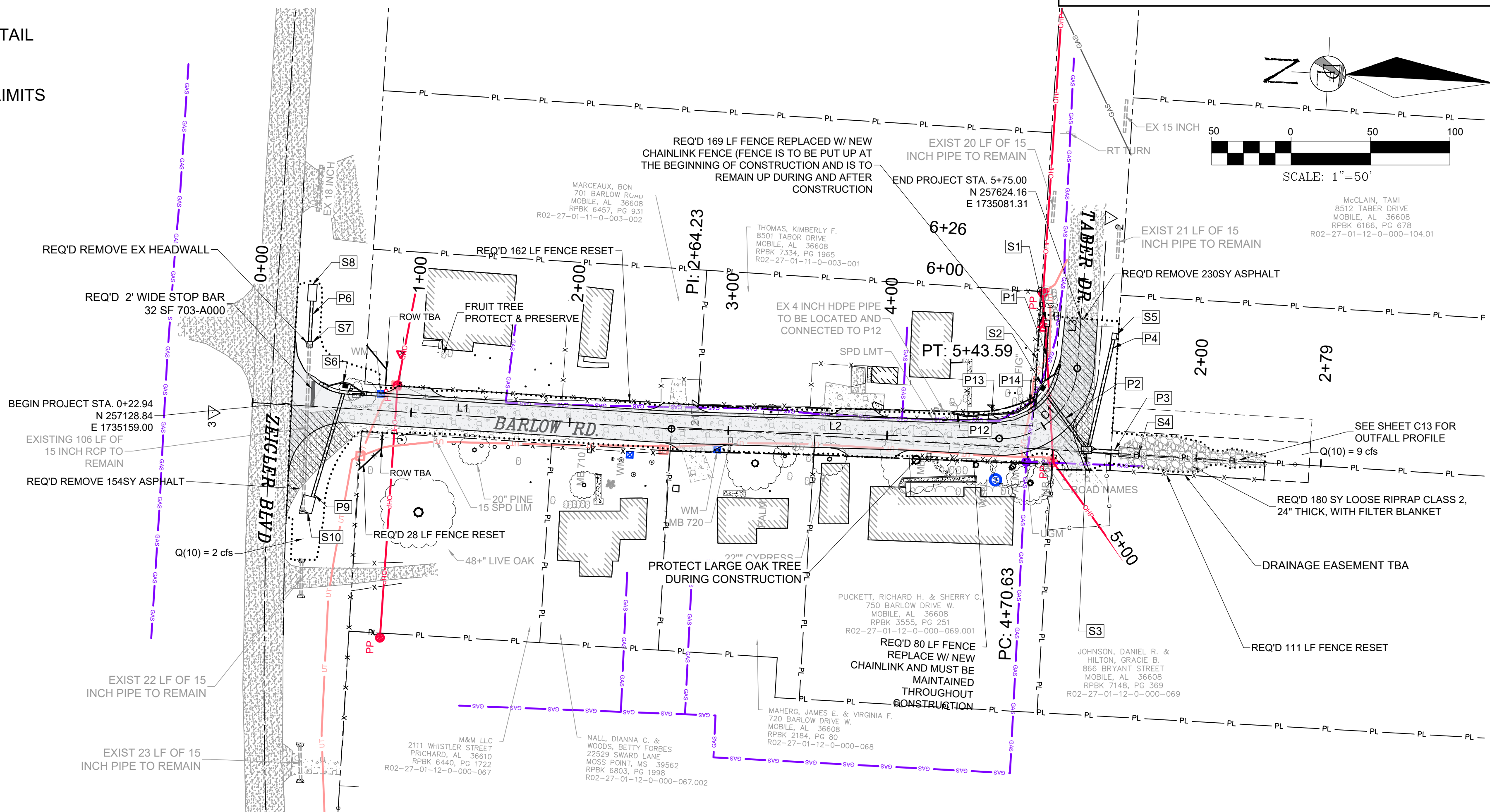
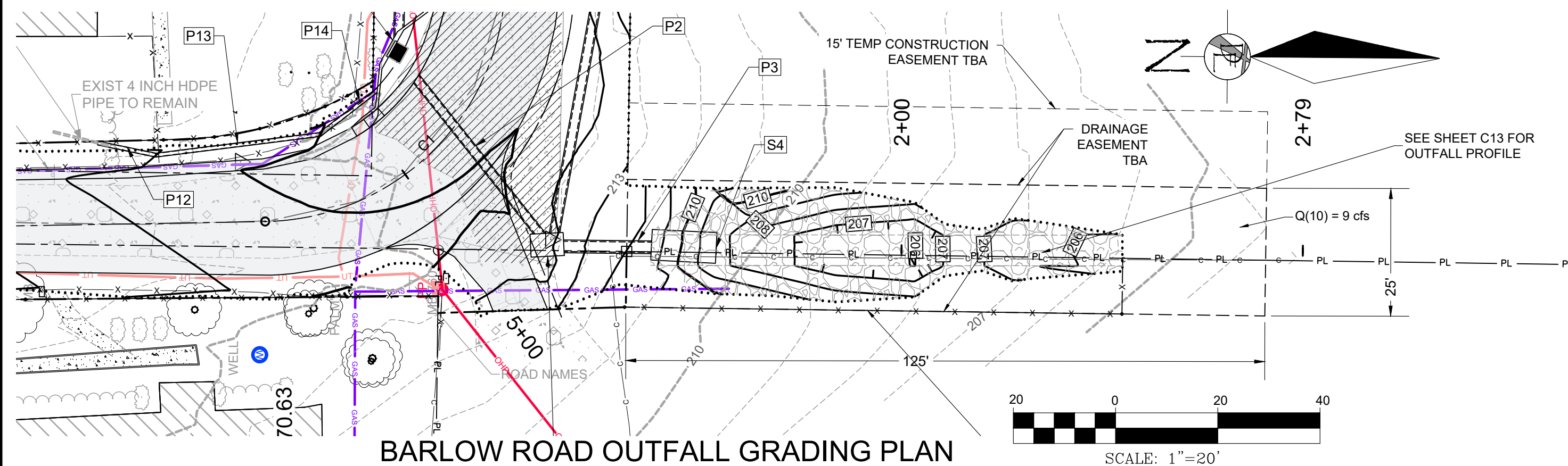
DATE 06/11/2020	SCALE AS SHOWN
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DRAWN ENGINEERING PROJECT NUMBER:
19001

DRAWING NUMBER C05	TOTAL SHEETS 34	REVISION 0
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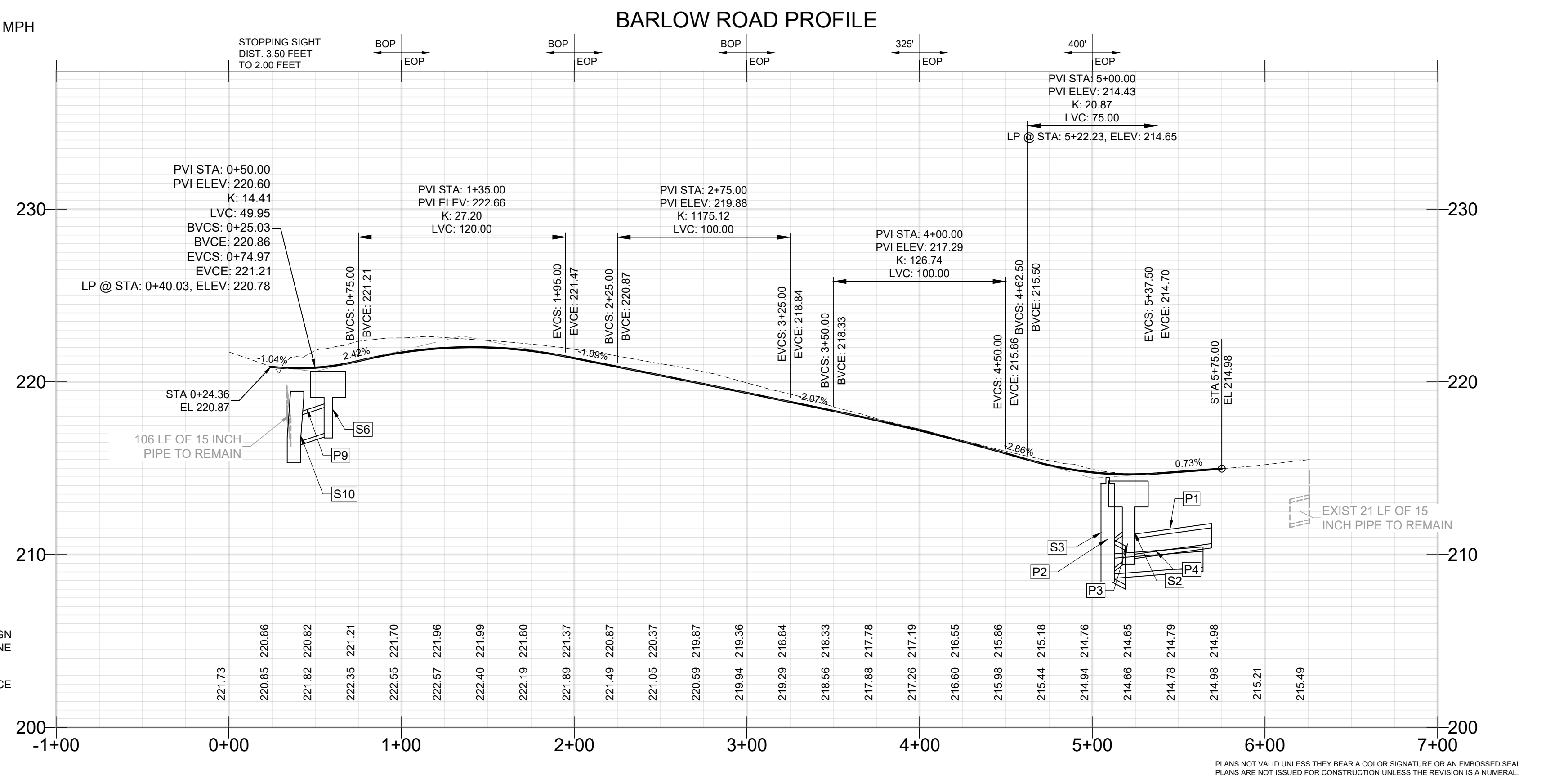
Number	Degree of Curve/Radius	Length	Line/Chord Direction	START STATION	END STATION	START COORDINATE	END COORDINATE	RADIUS POINT COORDINATE
L1		264.23	N0° 46' 07.12"E	0+00.00	2+64.23	N 257105.89 E 1735159.70	N 257370.10 E 1735163.24	
L2		206.40	N1° 05' 59.33"W	2+64.23	4+70.63	N 257370.10 E 1735163.24	N 257576.46 E 1735159.28	
C1	119° 49' 39.66" 47.82	66.08 (CHORD)	N44° 48' 29.71"W	4+70.63	5+43.59			N 257575.54 E 1735111.47
L3		82.16	N88° 31' 00.09"W	5+43.59	6+25.75	N 257623.34 E 1735112.71	N 257625.47 E 1735030.57	

- NOTE:
1. SEE SHEET C02 FOR LEGEND .
 2. SEE SHEET C03 FOR RESIDENTIAL DRIVEWAY DETAIL
 3. SEE SHEET C32 FOR REQ'D EROSION AND SEDIMENT CONTROLS
 4. REQ'D RESET ALL MAILBOXES WITHIN PROJECT LIMITS
 5. SEE SHEET C04 (TYPICAL SECTION) FOR DESIGN CROSS SLOPES AS THEY VARY GREATLY ALONG BARLOW ROAD
 6. FITTINGS FOR P12-P14 ARE SUBSIDIARY



REQ'D STORM STRUCTURES					
NAME:	DETAILS/PAY ITEM:	PIPES IN:	PIPES OUT	STATION OFFSET	LAYOUT COORDINATES
S1	DITCH BOTTOM INLET TYPE "C" - NO OPENINGS BETWEEN GRATE AND CONCRETE EDGE - APPROVED SUBMITTAL REQUIRED PRIOR TO PURCHASE		PIPE "P1", INV OUT=210.64	5+70.44 -21.00 L	N=257603.0 E=1735085.3
S2	MOBILE COUNTY INLET TYPE X - CUSTOM SHAPE TOP IN A CURVE PAY ITEM 621-C (SEE SHEET C03)	PIPE "P1", INV IN =210.00 PIPE "P4", INV IN =211.41	PIPE "P2", INV OUT=209.76	5+20.89 -15.32 L	N=257604.0 E=1735127.1
S3	MANHOLE TYPE L MIN 48" X 72" INSIDE PAY ITEM 621-E (SEE SHEET C03 AND ALDOT DETAIL MH-621-2)	PIPE "P2", INV IN =208.97 PIPE "P4", INV IN =208.86	PIPE "P3", INV OUT=208.75	5+08.95 28.85 R	N=257631.6 E=1735163.7
S4	24" SIDEDRAIN PIPE END TREATMENT CLASS 1, 4:1 SLOPE	PIPE "P3", INV IN =208.25		5+19.25 55.81 R	N=257664.7 E=1735164.3
S5	DITCH BOTTOM INLET TYPE "C" - NO OPENINGS BETWEEN GRATE AND CONCRETE EDGE - APPROVED SUBMITTAL REQUIRED PRIOR TO PURCHASE		PIPE "P4", INV OUT=209.28	5+65.41 21.74 R	N=257645.6 E=1735091.5
S6	MOBILE COUNTY INLET TYPE X - CUSTOM SHAPE TOP IN A CURVE PAY ITEM 621-C (SEE SHEET C03)		PIPE "P9", INV OUT=217.09 EX 15" RCP, INV OUT=218.38	0+57.42 -12.21 L	N=257163.5 E=1735148.3
S7	MANHOLE TYPE L MIN 36" X 36" INSIDE PAY ITEM 621-E (SEE SHEET C03 AND ALDOT DETAIL MH-621-2)	PIPE "P6", INV IN =218.38		0+33.52 -38.84 L	N=257139.9 E=1735121.3
S8	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)		PIPE "P6", INV OUT=219.40	0+33.21 -76.61 L	N=257140.1 E=1735083.5
S10	DOUBLE SIDEDRAIN PIPE END TREATMENT CLASS 1, 4:1 SLOPE - COMBINE PR 18" WITH EX 15" IN ONE END TREATMENT	PIPE "P9", INV IN =216.48		0+39.03 67.16 R	N=257144.0 E=1735227.4

DESIGN SPEED = 25 MPH
K_C = 10 (MIN.)
K_S = 26 (MIN.)



REQ'D STORM PIPES				
NAME	SIZE	LENGTH	SLOPE	LAYOUT INFORMATION
P1	18" SPAN, 11" RISE STORM SEWER PIPE CLASS 3 RC (533-B)	38'	1.67%	BARLOW ROAD 5+69 -20.9 L AT INV =210.64 (N 257603.09, E 1735086.64) TO 5+23 -17.7 L AT INV =210.00 (N 257602.52, E 1735124.82)
P2	18" STORM SEWER PIPE CLASS 3 RC (533-A)	45'	1.74%	BARLOW ROAD 5+20 -16.3 L AT INV =209.76 (N 257602.80, E 1735127.29) TO 5+09 27.7 R AT INV =208.97 (N 257631.03, E 1735162.65)
P3	24" STORM SEWER PIPE CLASS 3 RC (533-A)	31'	1.63%	BARLOW ROAD 5+10 30.9 R AT INV =208.75 (N 257634.11, E 1735164.03) TO 5+19 55.8 R AT INV =208.25 (N 257664.70, E 1735164.30)
P4	18" SPAN, 11" RISE STORM SEWER PIPE CLASS 3 RC (533-B)	71'	0.60%	BARLOW ROAD 5+64 21.5 R AT INV =209.28 (N 257645.41, E 1735092.71) TO 5+10 28.8 R AT INV =208.86 (N 257632.90, E 1735162.27)
P6	18" STORM SEWER PIPE CLASS 3 RC (533-A)	38'	2.70%	BARLOW ROAD 0+33 -76.6 L AT INV =219.40 (N 257140.12, E 1735083.54) TO 0+34 -38.8 L AT INV =218.38 (N 257139.93, E 1735121.31)
P9	18" STORM SEWER PIPE CLASS 3 RC (533-A)	81'	0.75%	BARLOW ROAD 0+57 -12.2 L AT INV =217.09 (N 257163.47, E 1735148.26) TO 0+39 67.2 R AT INV =216.48 (N 257144.01, E 1735227.37)
P12	8" STORM SEWER A2000 CORRUGATED HDPE (533-A097)	12'	9.46%	BARLOW ROAD 4+38 -15.9 L AT INV =216.00 (N 257543.69, E 1735143.96) TO 4+49 -13.4 L AT INV =214.91 (N 257555.03, E 1735146.32)
P13	8" STORM SEWER A2000 CORRUGATED HDPE (533-A097)	32'	8.04%	BARLOW ROAD 4+49 -13.4 L AT INV =214.91 (N 257555.03, E 1735146.32) TO 4+87 -15.0 L AT INV =212.30 (N 257587.14, E 1735142.22)
P14	8" STORM SEWER A2000 CORRUGATED HDPE (533-A097)	20'	4.44%	BARLOW ROAD 4+87 -15.0 L AT INV =212.30 (N 257587.14, E 1735142.22) TO 5+17 -14.7 L AT INV =211.41 (N 257603.08, E 1735129.82)

BARLOW ROAD RESIDENTIAL ASPHALT DRIVEWAYS		
STATION	SIDE	AREA (SY)
1+00	LT	18
2+68	LT	14
2+77	RT	16
3+81	LT	16
3+86	RT	21
5+11	RT	44

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0	05/02/2025	CJF	ALF	ALF

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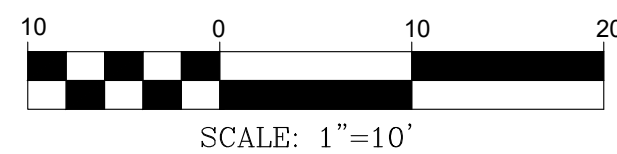
MCR-2018-205
BARLOW RD AND HAVENS RD
BARLOW ROAD PLAN AND PROFILE
SHEET 1 OF 1

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DATE	SCALE
06/11/2020	AS SHOWN

DRIVEN ENGINEERING PROJECT NUMBER:
19001

DRAWING NUMBER	TOTAL SHEETS	REVISION
C06	34	0



REQ'D STORM STRUCTURES					
NAME:	DETAILS/PAY ITEM:	PIPES IN:	PIPES OUT	STATION OFFSET	LAYOUT COORDINATES
S6	MOBILE COUNTY INLET TYPE X - CUSTOM SHAPE TOP IN A CURVE PAY ITEM 621-C (SEE SHEET C03)		PIPE "P9", INV OUT=217.09	0+57.42 -12.21 L	N=257163.5 E=1735148.3
S7	MANHOLE TYPE L MIN 36" X 36" INSIDE PAY ITEM 621-E (SEE SHEET C03 AND ALDOT DETAIL MH-621-2)	PIPE "P6", INV IN =218.38		0+33.52 -38.84 L	N=257139.9 E=1735121.3
S8	18" SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-A)		PIPE "P6", INV OUT=219.40	0+33.21 -76.61 L	N=257140.1 E=1735083.5
S10	DOUBLE SIDEDRAIN PIPE END TREATMENT CLASS 1, 4:1 SLOPE - COMBINE PR 18" WITH EX 15" IN ONE END TREATMENT	PIPE "P9", INV IN =216.48		0+39.03 67.16 L	N=257144.0 E=1735227.4

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WITH THE ENGINEER TO BE
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0	05/02/2025	CJF	ALF	ALF	ISSUED FOR BID

CLIENT:

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COMMISSION

MERCERIA L. LUDGOOD
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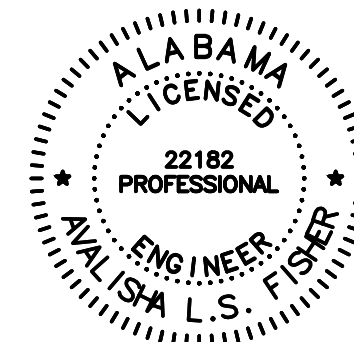


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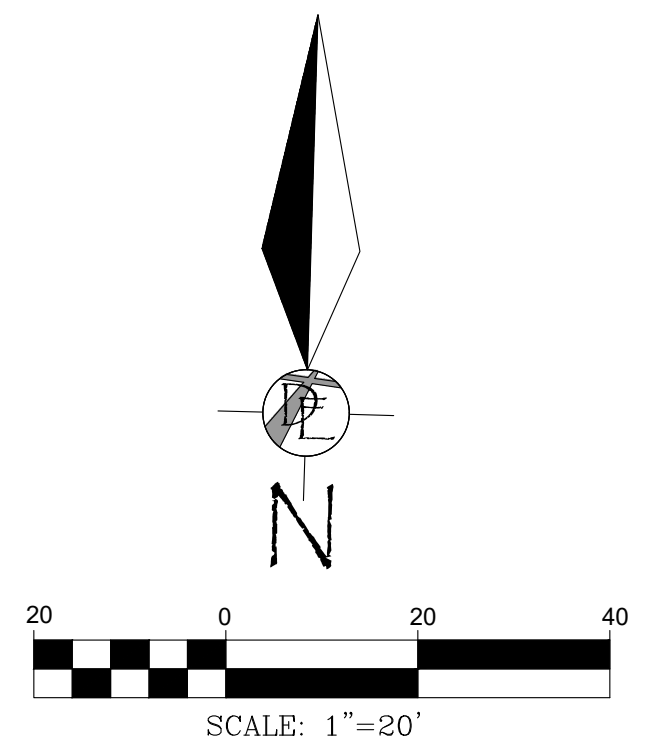
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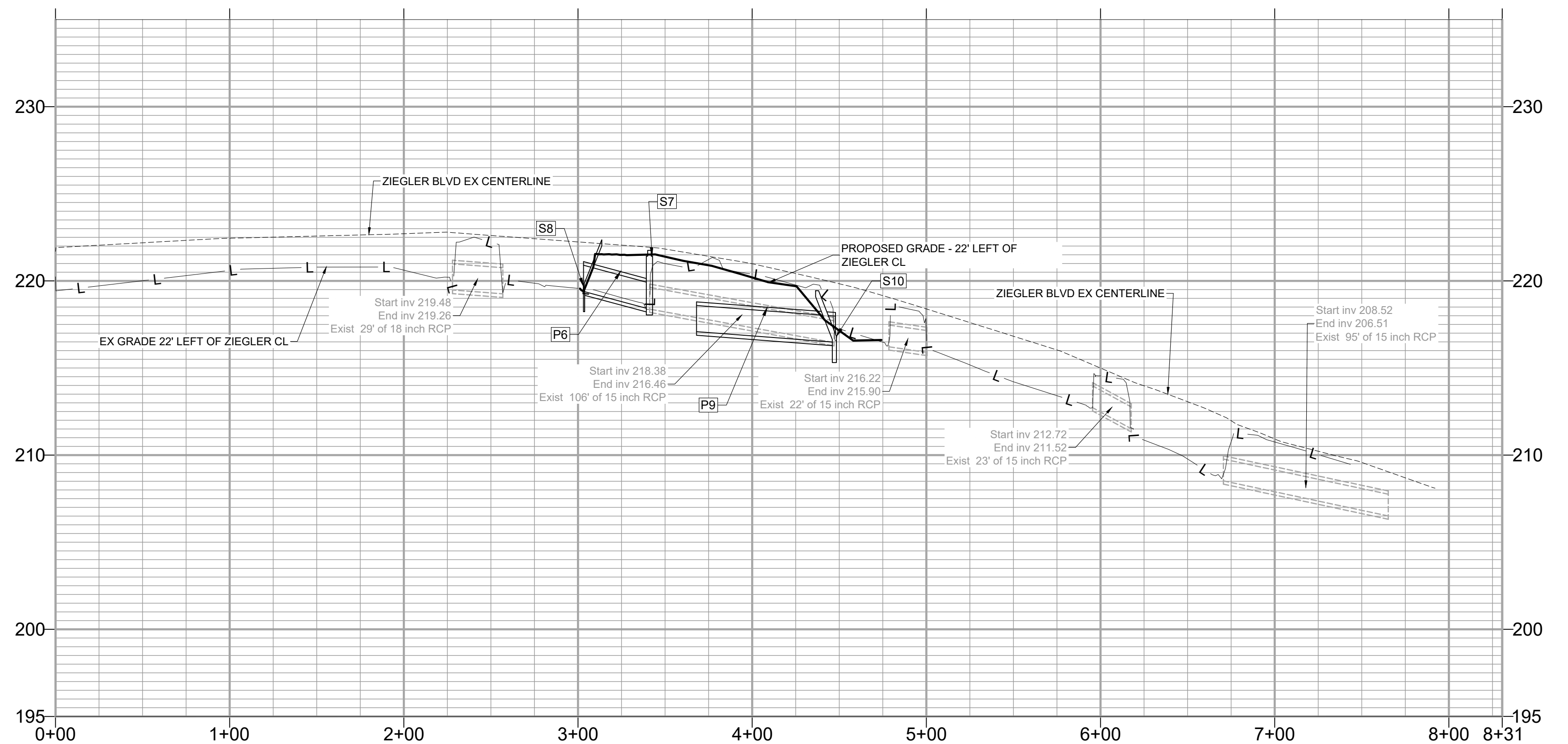


MCR-2018-205
BARLOW RD AND HAVENS RD
ZIEGLER BLVD PLAN AND PROFILE
SHEET 1 OF 1

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DATE	SCALE	
06/11/2020	AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER:		
19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C07	34	0



ZIEGLER BLVD EX CENTERLINE PROFILE



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PLANS ARE NOT ISSUED FOR CONSTRUCTION UNLESS THE REVISION IS A NUMERAL.

[illegible]

STOPPING SIGHT DIST. 3.50 FEET TO 2.00 FEET

BOP 575' BOP 500' BOP 375' BOP 325' BOP 325' BOP 875' BOP 775' 275' 350'

PVI STA: 1+00.00
PVI ELEV: 226.15
K: 16.10
LVC: 75.00

LP @ STA: 0+94.97, ELEV: 228.58

PVI STA: 0+25.04
PVI ELEV: 227.66
K: 12.45
LVC: 50.00

BVC: 0+00.04
EVC: 0+50.04
BVC: 0+94.97
EVC: 1+00.00

PVI STA: 1+99.90
PVI ELEV: 228.79
K: 46.90
LVC: 100.00

EVC: 1+37.50
EVC: 1+37.50
EVC: 1+37.50

BVC: 1+37.50
EVC: 2+49.90
BVC: 2+49.90
EVC: 2+49.90

PVI STA: 3+75.00
PVI ELEV: 229.68
K: 51.86
LVC: 100.00

EVC: 3+25.00
EVC: 3+25.00
EVC: 3+25.00

PVI STA: 5+00.00
PVI ELEV: 232.72
K: 23.32
LVC: 100.00

BVC: 4+45.00
EVC: 5+00.00
BVC: 5+00.00
EVC: 5+00.00

PVI STA: 6+25.00
PVI ELEV: 230.41
K: 97.08
LVC: 100.00

BVC: 5+75.00
EVC: 6+25.00
BVC: 6+25.00
EVC: 6+25.00

PVI STA: 8+25.00
PVI ELEV: 224.64
K: 120.18
LVC: 100.00

BVC: 7+75.00
EVC: 8+25.00
BVC: 8+25.00
EVC: 8+25.00

STA 0+00.00
EL 227.16

2.00% 2.02% 0.51% 2.44% -1.85% -2.85%

EXISTING GROUND

PROPOSED GRADE LINE

Pipe - (6)

Pipe - (7)

Pipe - (8)

Pipe - (9)

REQ'D RAVEL CURB

NOTES:

1. SEE SHEET C02 FOR LEGEND.
2. SEE SHEET C03 FOR RESIDENTIAL DRIVEWAY DETAIL.
3. REQD RESET ALL MAILBOXES WITHIN PROJECT LIMITS
4. RESIDENTS HAVE REQUESTED SAVING AS MANY TREES IN ROW AS POSSIBLE. TREES THAT CAN BE SAVED, WILL NOT BE REMOVED.

205 210 220 230 240

-1+00 0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00

220.67 222.10 224.21 227.15 227.58 227.41 227.09 227.16 226.75 226.70 226.94 226.58 227.57 226.86 226.46 227.47 226.09 226.06 226.27 226.52 226.12 226.85 226.96 226.04 226.09 226.17 226.26 226.29 226.55 226.42 226.91 226.61 230.27 226.92 230.65 230.35 230.97 230.89 231.44 231.50 231.83 231.98 232.03 232.19 232.22 232.13 231.68 231.80 231.22 231.33 230.75 230.84 230.17 230.28 229.63 229.65 228.97 228.97 228.21 228.25 227.36 227.53 226.48 226.81 225.77 226.08 224.39

- | HAVENS ROAD ALIGNMENT DATA TABLE | | | | | | | | |
|----------------------------------|----------------------------|----------------|----------------------|---------------|-------------|-----------------------------|-----------------------------|-----------------------------|
| Number | Degree of Curve/Radius | Length | Line/Chord Direction | START STATION | END STATION | START COORDINATE | END COORDINATE | RADIUS POINT COORDINATE |
| C5 | 038° 45' 42.30"
147.82 | 52.16 (CHORD) | N76° 39' 23.29"E | -0+35.60 | 0+16.83 | | | N 269974.30
E 1716620.14 |
| L7 | | 259.48 | N66° 29' 42.41"E | 0+16.83 | 2+76.31 | N 269838.75
E 1716679.09 | N 269942.24
E 1716917.04 | |
| C6 | 005° 43' 46.48"
1000.00 | 233.83 (CHORD) | N59° 46' 51.77"E | 2+76.31 | 5+10.67 | | | N 270859.26
E 1716518.21 |
| L9 | | 863.20 | N53° 04' 01.14"E | 5+10.67 | 13+73.88 | N 270059.93
E 1717119.09 | N 270578.61
E 1717809.08 | |

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DATE	SCALE	
06/11/2020	AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER:		
19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C08	34	0

REQ'D STORM PIPES				
NAME	SIZE	LENGTH	SLOPE	LAYOUT INFORMATION
N-M	18" STORM SEWER PIPE CLASS 3 RC	26'	2.01%	HAVENS ROAD 13+51 -15.0 L AT INV =213.53 (N 270576.90, E 1717781.85) TO 13+61 -39.0 L AT INV =213.01 (N 270601.80, E 1717775.03)
O-N	15" STORM SEWER PIPE CLASS 3 RC	27'	0.98%	HAVENS ROAD 13+42 12.9 R AT INV =214.01 (N 270549.38, E 1717791.74) TO 13+52 -12.8 L AT INV =213.74 (N 270575.45, E 1717783.58)

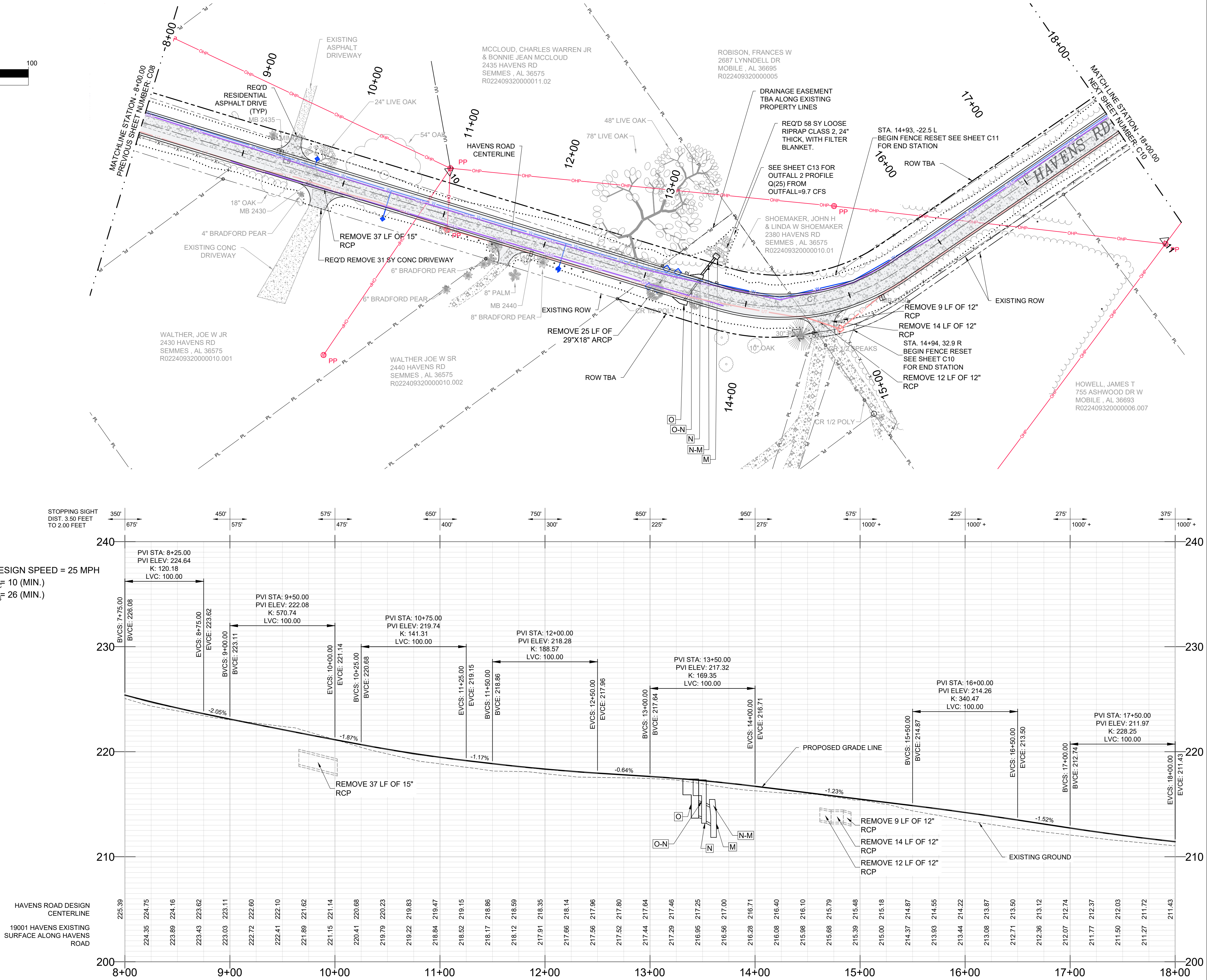
REQ'D STORM STRUCTURES					
NAME:	DETAILS/PAY ITEM:	PIPES IN:	PIPES OUT	STATION OFFSET	LAYOUT COORDINATES
M	18" ROADWAY PIPE END TREATMENT 3'-1 SLOPE (819-A) (ALDOT DETAIL HW-614-B)	PIPE "N-M", INV IN =213.01		13+60.59 -39.00 L	N=270601.8 E=1717775.0
N	INLET TYPE S3 (1 WING) PAY ITEM 621-C (ALDOT DETAIL I-621-S)		PIPE "O-N",INV OUT=213.74 PIPE "N-M",INV OUT=213.53	13+51.31 -12.00 L	N=270574.6 E=17177783.8
O	INLET TYPE S3 (1 WING) PAY ITEM 621-C (ALDOT DETAIL I-621-S)	PIPE "O-N", INV IN =214.01		13+42.79 12.00 R	N=270550.3 E=1717791.4

HAVENS ROAD ALIGNMENT DATA TABLE								
Number	Degree of Curve/Radius	Length	Line/Chord Direction	START STATION	END STATION	START COORDINATE	END COORDINATE	RADIUS POINT COORDINATE
L9		863.20	N53° 04' 01.14"E	5+10.67	13+73.88	N 270059.93 E 1717119.09	N 270578.61 E 1717809.08	
C7	028° 38' 52.40" 200.00	173.90 (CHORD)	N27° 17' 51.64"E	13+73.88	15+53.78			N 270738.47 E 1717688.90
L10		2247.55	N1° 31' 42.14"E	15+53.78	38+01.33	N 270733.14 E 1717888.83	N 272979.89 E 1717948.78	

NOTES:

1. SEE SHEET C02 FOR LEGEND.
2. SEE SHEET C03 FOR RESIDENTIAL DRIVEWAY DETAIL.
3. SEE SHEET C33-C34 FOR REQ'D EROSION AND SEDIMENT CONTROLS.
4. REQ'D RESET ALL MAILBOXES WITHIN PROJECT LIMITS
5. RESIDENTS HAVE REQUESTED SAVING AS MANY TREES IN ROW AS POSSIBLE. TREES THAT CAN BE SAVED, WILL NOT BE REMOVED.

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CLIENT:

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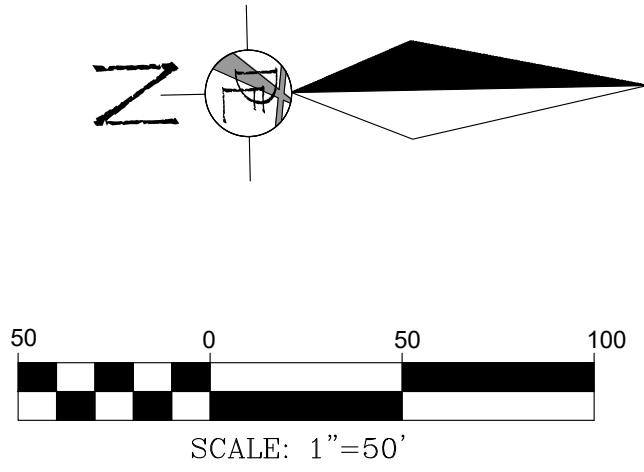
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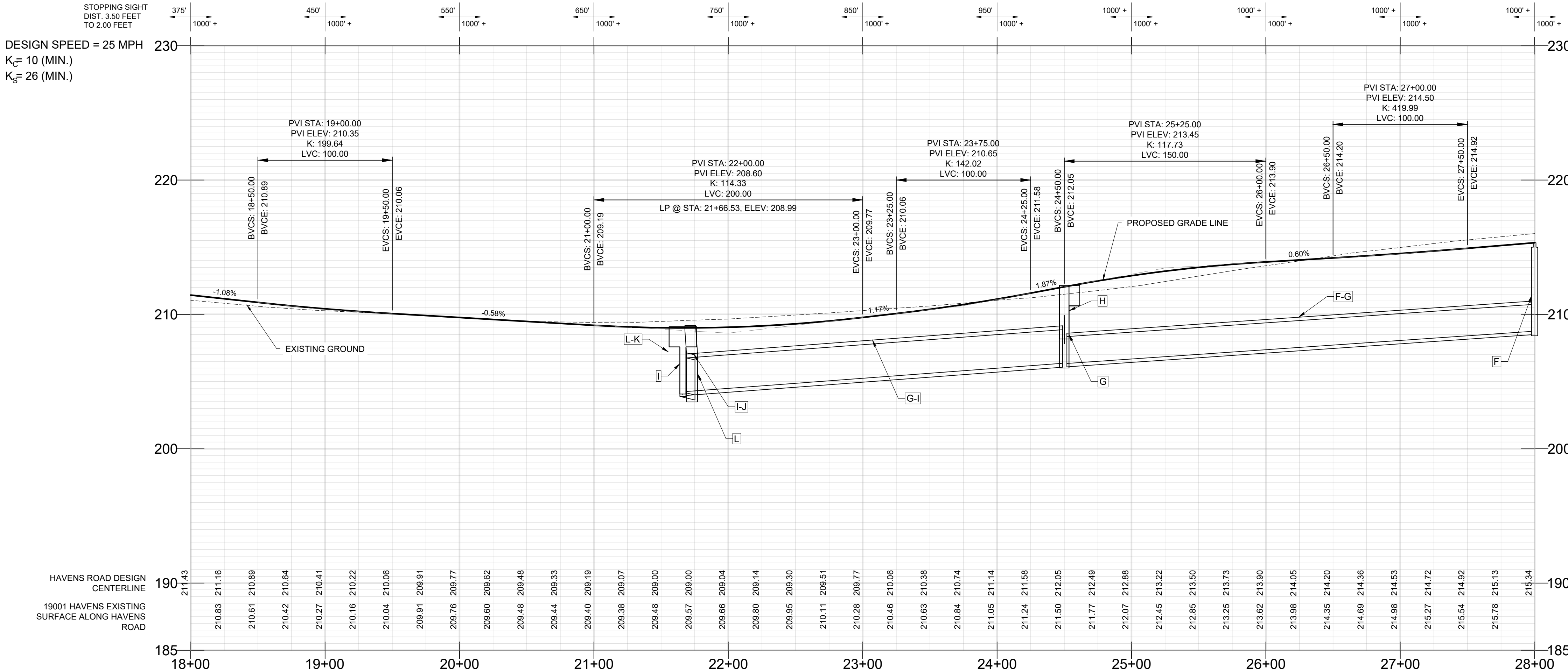
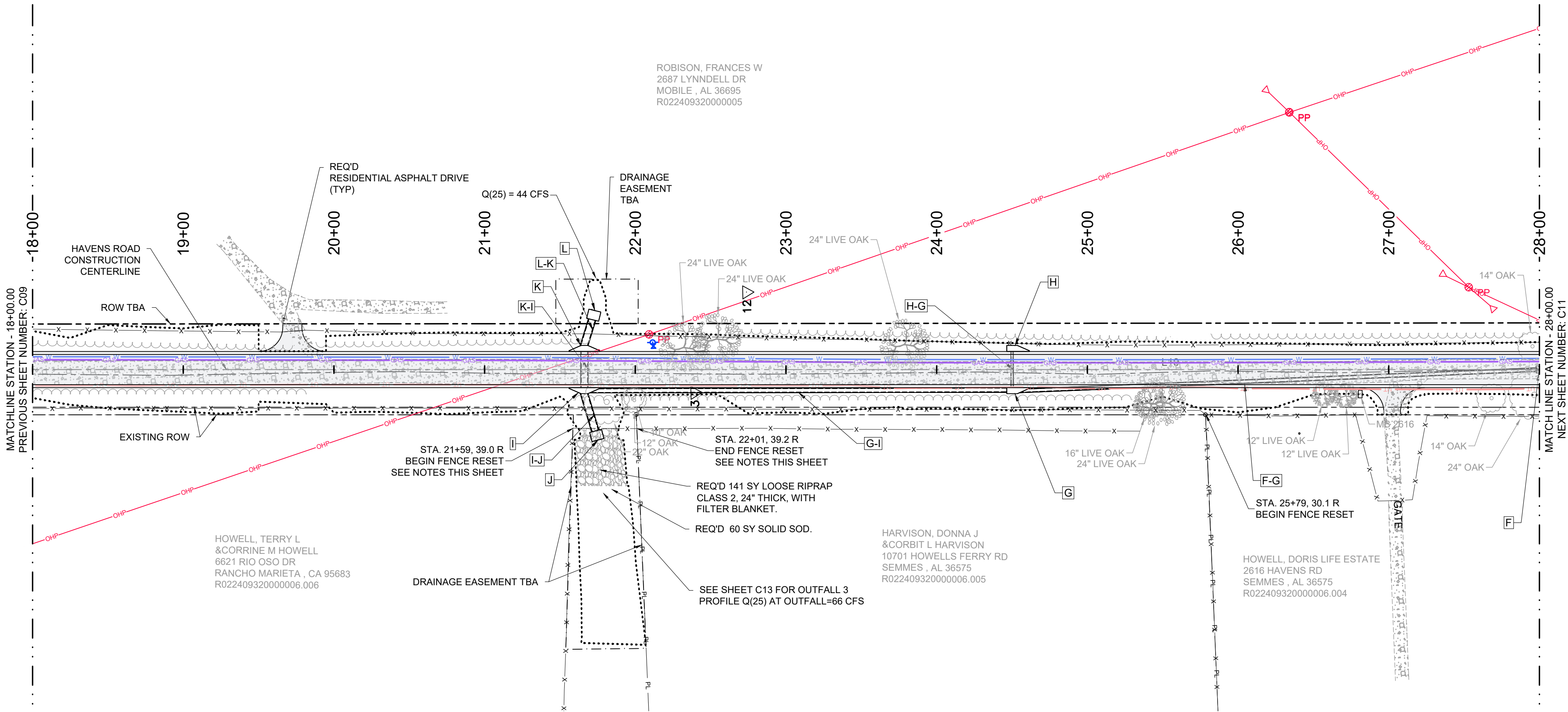
MCR-2018-205
BARLOW RD AND HAVENS RD
HAVENS ROAD PLAN AND PROFILE
SHEET 2 OF 4

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DATE 06/11/2020	SCALE AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER: 19001		
DRAWING NUMBER C09	TOTAL SHEETS 34	REVISION 0



HAVENS ROAD ALIGNMENT DATA TABLE							
Number	Degree of Curve/Radius	Length	Line/Chord Direction	START STATION	END STATION	START COORDINATE	END COORDINATE
L10		2247.55	N1° 31' 42.14"E	15+53.78	38+01.33	N 270733.14 E 1717888.83	N 270733.14 E 1717888.83

REQ'D STORM PIPES				
NAME	SIZE	LENGTH	SLOPE	LAYOUT INFORMATION
F-G	24" STORM SEWER PIPE CLASS 3 RC	347'	0.69%	HAVENS ROAD 27+99 0.1 R AT INV =208.74 (N 271977.42, E 1717922.09) TO 24+52 14.2 R AT INV =206.35 (N 271630.58, E 1717927.03)
G-I	30" STORM SEWER PIPE CLASS 3 RC	281'	0.75%	HAVENS ROAD 24+49 13.6 R AT INV =206.36 (N 271627.43, E 1717926.27) TO 21+68 14.0 R AT INV =204.25 (N 271346.84, E 1717919.18)
H-G	15" STORM SEWER PIPE CLASS 3 RC	26'	1.93%	HAVENS ROAD 24+50 -12.9 L AT INV =208.50 (N 271629.38, E 1717899.83) TO 24+50 13.1 R AT INV =208.00 (N 271628.82, E 1717925.79)
I-J	51" SPAN, 31" RISE STORM SEWER PIPE CLASS 3 RC	33'	0.67%	HAVENS ROAD 21+66 14.8 R AT INV =204.22 (N 271344.44, E 1717919.96) TO 21+75 46.8 R AT INV =204.00 (N 271353.10, E 1717952.17)
K-I	51" SPAN, 31" RISE STORM SEWER PIPE CLASS 3 RC	26'	0.70%	HAVENS ROAD 21+66 -13.1 L AT INV =204.41 (N 271345.72, E 1717892.07) TO 21+66 12.8 R AT INV =204.23 (N 271345.03, E 1717917.97)
L-K	51" SPAN, 31" RISE STORM SEWER PIPE CLASS 3 RC	26'	4.41%	HAVENS ROAD 21+73 -39.1 L AT INV =205.53 (N 271353.34, E 1717866.25) TO 21+66 -14.7 L AT INV =204.41 (N 271345.18, E 1717890.45)



NOTES:

1. SEE SHEET C02 FOR LEGEND.
2. SEE SHEET C03 FOR RESIDENTIAL DRIVEWAY DETAIL.
3. SEE SHEET C33-C34 FOR REQ'D EROSION AND SEDIMENT CONTROLS
4. REQD RESET ALL MAILBOXES WITHIN PROJECT LIMITS
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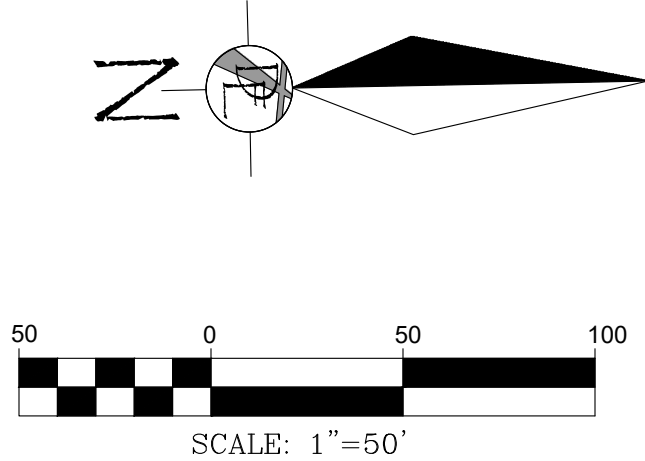
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TITLE: MCR-2018-205 BARLOW RD AND HAVENS RD HAVENS ROAD PLAN AND PROFILE SHEET 3 OF 4		Copyright © as Drafted by Driven Engineering, Inc. All Rights Reserved	
DATE 06/11/2020	SCALE AS SHOWN	DRIVEN ENGINEERING PROJECT NUMBER: 19001	
DRAWING NUMBER C10	TOTAL SHEETS 34	REVISION 0	



REQ'D STORM PIPES				
NAME	SIZE	LENGTH	SLOPE	LAYOUT INFORMATION
A-B	15" STORM SEWER PIPE CLASS 3 RC	26'	0.95%	HAVENS ROAD 34+15 -13.1 L AT INV =213.50 (N 272593.92, E 1717925.37) TO 34+15 13.1 R AT INV =213.25 (N 272593.22, E 1717951.60)
B-C	18" STORM SEWER PIPE CLASS 3 RC	248'	0.62%	HAVENS ROAD 34+14 13.9 R AT INV =213.01 (N 272591.90, E 1717952.37) TO 31+66 14.2 R AT INV =211.46 (N 272344.45, E 1717946.07)
C-F	24" STORM SEWER PIPE CLASS 3 RC	361'	0.68%	HAVENS ROAD 31+62 13.9 R AT INV =211.20 (N 272340.84, E 1717945.65) TO 28+01 0.1 R AT INV =208.76 (N 271980.23, E 1717922.16)
D-C	24" STORM SEWER PIPE CLASS 3 RC	26'	2.08%	HAVENS ROAD 31+65 -12.9 L AT INV =212.02 (N 272343.94, E 1717918.93) TO 31+65 13.1 R AT INV =211.48 (N 272343.25, E 1717944.92)
E-D	24" STORM SEWER PIPE CLASS 3 RC	24'	2.33%	HAVENS ROAD 31+78 -34.6 L AT INV =213.11 (N 272357.34, E 1717897.57) TO 31+64 -14.8 L AT INV =212.55 (N 272343.48, E 1717917.03)
U-T	29" SPAN, 18" RISE STORM SEWER PIPE CLASS 3 RC	77'	0.65%	HAVENS ROAD 37+44 -48.1 L AT INV =213.50 (N 272924.03, E 1717899.13) TO 37+25 26.7 R AT INV =214.00 (N 272902.86, E 1717973.40)
V-U	29" SPAN, 18" RISE STORM SEWER PIPE CLASS 3 RC	30'	2.01%	HAVENS ROAD 37+24 29.1 R AT INV =214.10 (N 272902.17, E 1717975.83) TO 37+15 57.7 R AT INV =214.70 (N 272892.40, E 1718004.17)
W-U	22" SPAN, 14" RISE STORM SEWER PIPE CLASS 3 RC	26'	0.91%	HAVENS ROAD 37+01 14.3 R AT INV =214.34 (N 272878.90, E 1717960.36) TO 37+23 27.2 R AT INV =214.10 (N 272900.99, E 1717973.89)

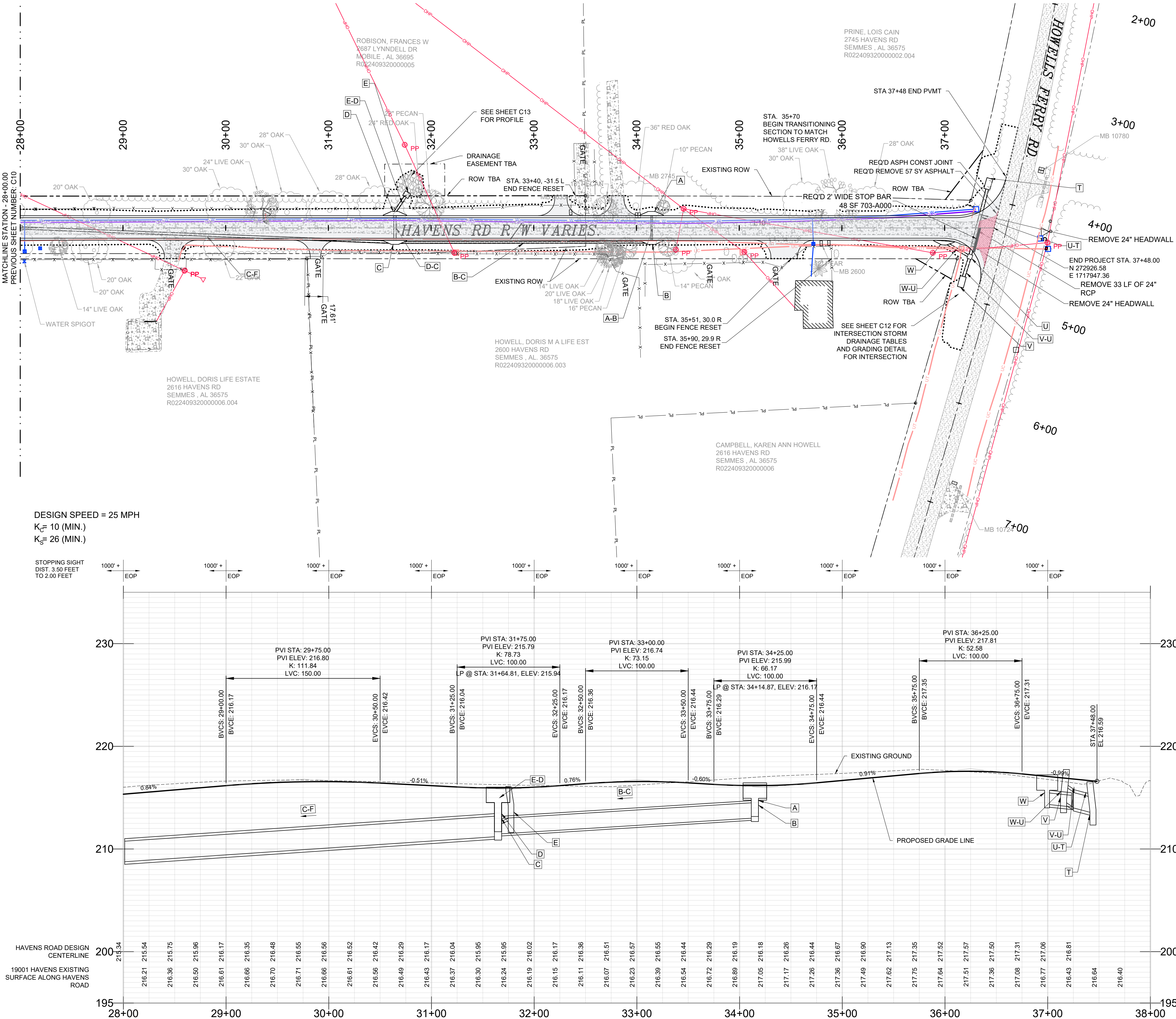
HAVENS ROAD ALIGNMENT DATA TABLE							
Number	Degree of Curve/Radius	Length	Line/Chord Direction	START STATION	END STATION	START COORDINATE	END COORDINATE
L10		2247.55	N1° 31' 42.14"E	15+53.78	38+01.33	N 270733.14 E 1717888.83	N 272979.89 E 1717948.78

REQ'D STORM STRUCTURES					
NAME:	DETAILS/PAY ITEM:	PIPES IN:	PIPES OUT	STATION OFFSET	LAYOUT COORDINATES
A	INLET TYPE S3 (2 WING) PAY ITEM 621-C (ALDOT DETAIL I-621-S)		PIPE "A-B", INV OUT=213.50	34+14.87 -12.00 L	N=272593.9 E=1717926.5
B	INLET TYPE S3 (2 WING) PAY ITEM 621-C (ALDOT DETAIL I-621-S)	PIPE "A-B", INV IN =213.25	PIPE "B-C", INV OUT=213.01	34+14.87 12.00 R	N=272593.2 E=1717950.5
C	INLET TYPE S3 (2 WING) PAY ITEM 621-C (ALDOT DETAIL I-621-S)	PIPE "B-C", INV IN =211.46 PIPE "D-C", INV IN =211.48	PIPE "C-F", INV OUT=211.20	31+64.81 12.00 R	N=272343.3 E=1717943.8
D	INLET TYPE S3 (2 WING) PAY ITEM 621-C (ALDOT DETAIL I-621-S)	PIPE "E-D", INV IN =212.55	PIPE "D-C", INV OUT=212.02	31+64.81 -12.00 L	N=272343.9 E=1717919.8
E	24" ROADWAY PIPE END TREATMENT 3 :1 SLOPE (619-A) (ALDOT DETAIL HW-614-B)		PIPE "E-D", INV OUT=213.11	31+77.64 -34.59 L	N=272357.3 E=1717897.6
T	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B) (ALDOT DETAIL HW-614-SP)		PIPE "U-T", INV OUT=213.50	37+44.17 -48.14 L	N=272924.0 E=1717899.1
U	MANHOLE TYPE L MIN 48"x48" INSIDE PAY ITEM 621-E (SEE SHEET C03 AND ALDOT DETAIL MH-621-2)	PIPE "W-U", INV IN =214.10 PIPE "U-T", INV IN =214.00	PIPE "V-U", INV OUT=214.10	37+24.61 28.02 R	N=272902.5 E=1717974.7
V	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B) (ALDOT DETAIL HW-614-SP)	PIPE "V-U", INV IN =214.70		37+15.35 57.71 R	N=272892.4 E=1718004.2
W	MOBILE COUNTY CUSTOM TOP X INLET PAY ITEM 621-C (SEE SHEET C03)		PIPE "W-U", INV OUT=214.34	36+99.50 12.64 R	N=272877.8 E=1717958.7

NOTES:

- SEE SHEET C02 FOR LEGEND.
- SEE SHEET C03 FOR RESIDENTIAL DRIVEWAY DETAIL.
- SEE SHEET C33-C34 FOR REQ'D EROSION AND SEDIMENT CONTROLS
- REQD RESET ALL MAILBOXES WITHIN PROJECT LIMITS
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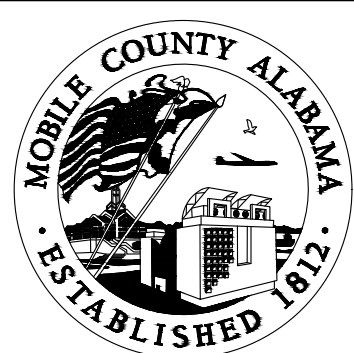
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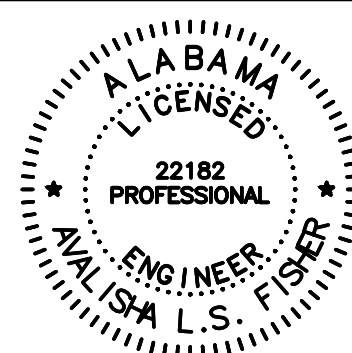
0	05/02/2025	CIF	ALF	ALF
ISSUED FOR BID				

CLIENT:
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MERCERIA L. LUDGOOD
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TITLE:

MCR-2018-205
BARLOW RD AND HAVENS RD
HAVENS ROAD PLAN AND PROFILE
SHEET 4 OF 4

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DATE 06/11/2020	SCALE AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER: 19001		
DRAWING NUMBER C11	TOTAL SHEETS 34	REVISION 0

Profile view of the proposed sewer line. The vertical axis shows elevation in feet, ranging from 195 to 220. The horizontal axis shows stationing from 0+00 to 7+50. The profile includes the existing ground line (EX CL GRADE), the proposed sewer line (PROPOSED FIN GR 26" RT OF CL), and the required structure (REQ'D STRUCTURE "V"). The sewer line is shown with a 26-inch right-of-center (RT OF CL) and a 26-inch left-of-center (LF OF CL) section. The structure is a 33-foot long 24-inch RCP (Reinforced Concrete Pipe) structure. The profile also shows the required structure "U" and the required structure "T". The sewer line is shown with a 26-inch right-of-center (RT OF CL) and a 26-inch left-of-center (LF OF CL) section. The structure is a 33-foot long 24-inch RCP (Reinforced Concrete Pipe) structure. The profile also shows the required structure "U" and the required structure "T".

Station	Elevation (ft)
207.83	207.83
208.39	208.39
208.94	208.94
209.48	209.48
210.03	210.03
210.63	210.63
211.24	211.24
211.86	211.86
212.47	212.47
213.08	213.08
213.68	213.68
214.27	214.27
214.84	214.84
215.40	215.40
215.94	215.94
216.44	216.44
216.94	216.94
217.24	217.24
217.54	217.54
217.76	217.76
217.97	217.97
218.11	218.11
218.24	218.24
218.36	218.36
218.47	218.47
218.59	218.59
218.71	218.71
218.84	218.84
218.91	218.91
218.98	218.98

DRAWING NUMBER	TOTAL SHEETS	REVISION
C12	34	0

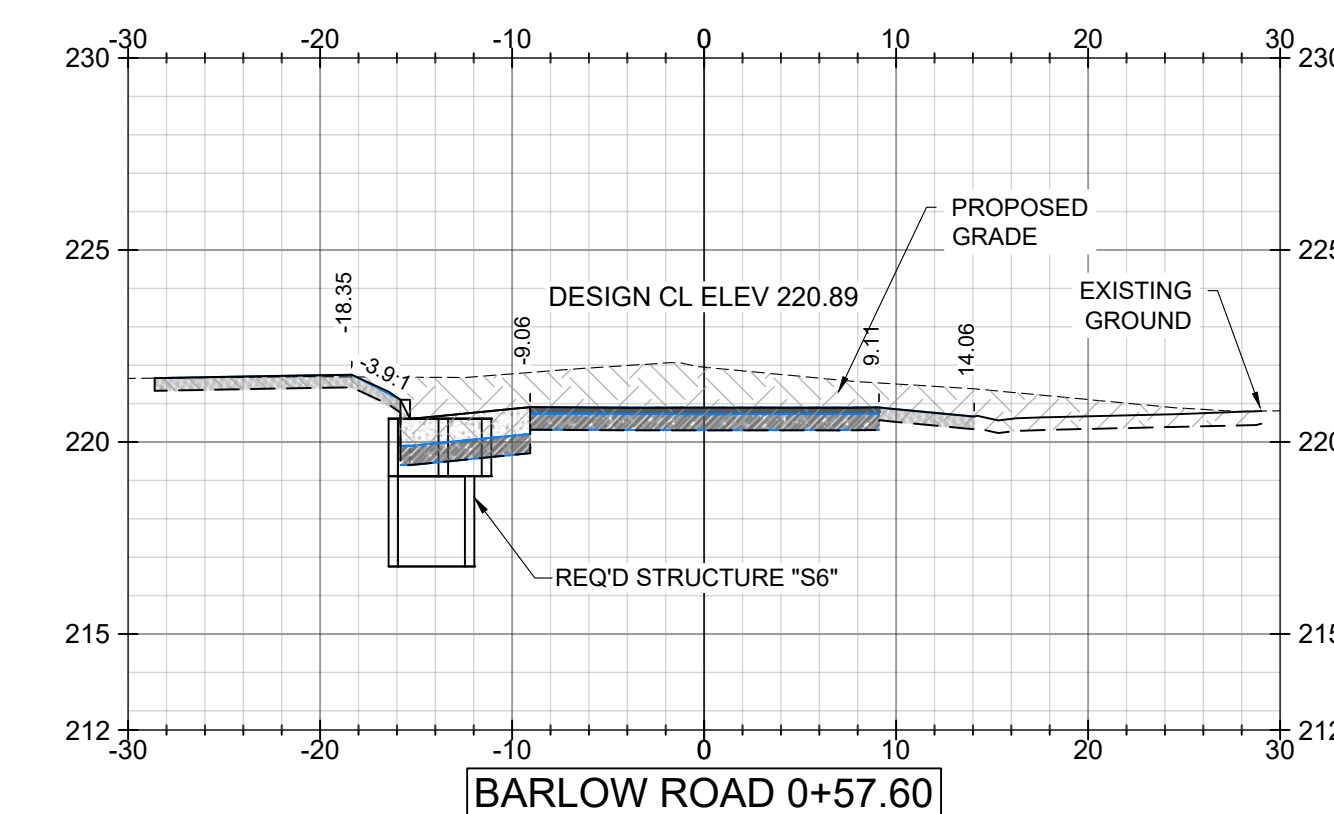
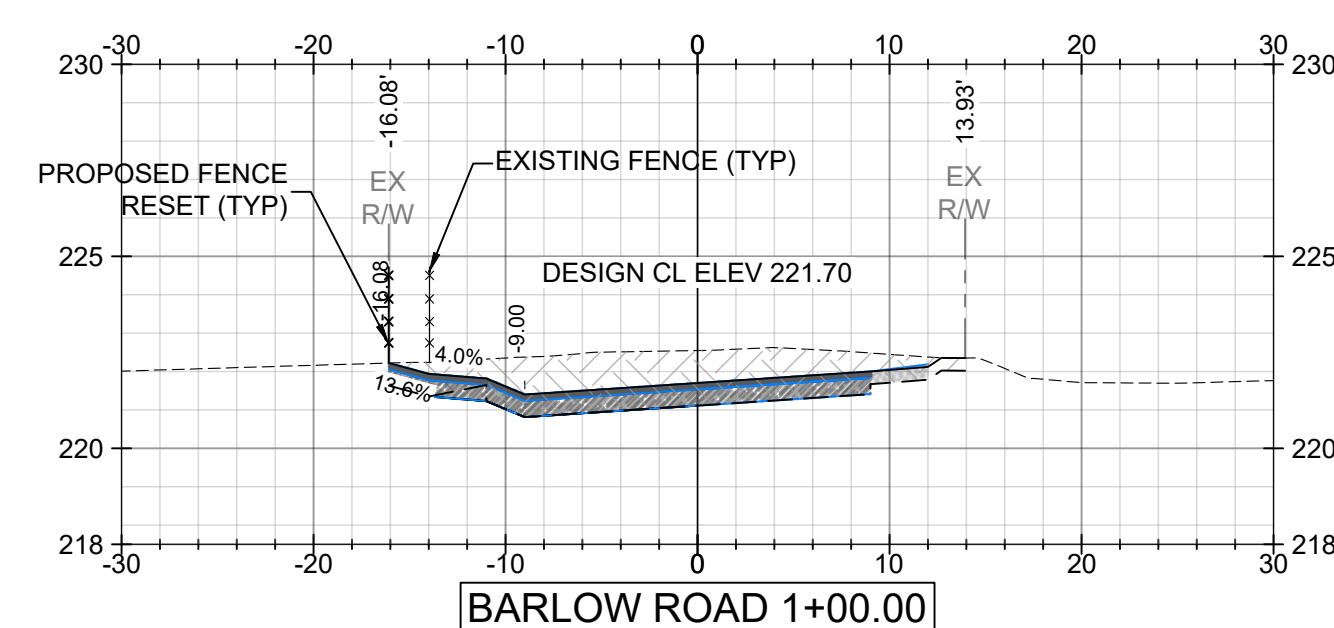
REQ'D STRUCTURES					
NAME:	DETAILS/PAY ITEM:	PIPES IN:	PIPES OUT	STATION OFFSET	LAYOUT COORDINATES
T	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B) (ALDOT DETAIL HW-614-SP)		PIPE "U-T", INV OUT=213.50	37+44.17 -48.14 L	N=272924.0 E=1717899.1
U	MANHOLE TYPE L MIN 48"x48" INSIDE PAY ITEM 621-E (SEE SHEET C03 AND ALDOT DETAIL MH-621-2)	PIPE "W-U", INV IN =214.10 PIPE "U-T", INV IN =214.00	PIPE "V-U", INV OUT=214.10	37+24.61 28.02 R	N=272902.5 E=1717974.7
V	29" SPAN, 18" RISE SIDE DRAIN PIPE END TREATMENT 4:1 SLOPE (619-B) (ALDOT DETAIL HW-614-SP)	PIPE "V-U", INV IN =214.70		37+15.35 57.71 R	N=272892.4 E=1718004.2
W	MOBILE COUNTY CUSTOM TOP X INLET PAY ITEM 621-C (SEE SHEET C03)		PIPE "W-U", INV OUT=214.34	36+99.50 12.64 R	N=272877.8 E=1717958.7

0	05/02/2025	CJF	ALF	ALF

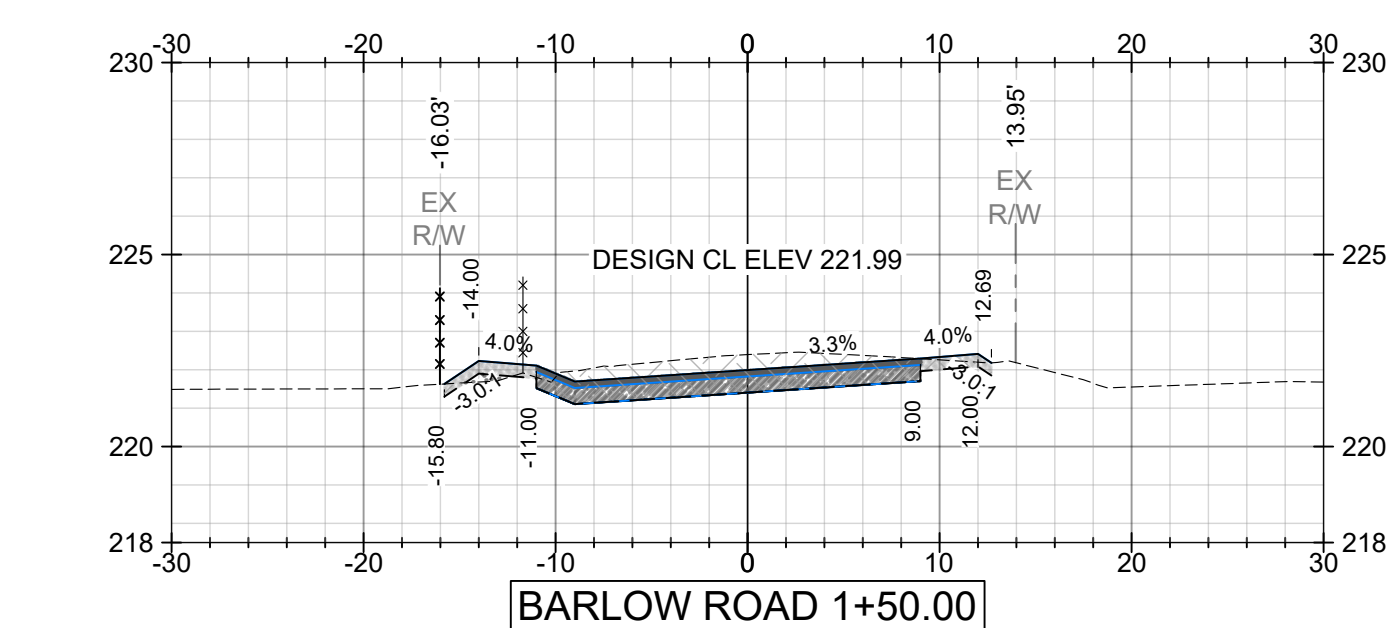
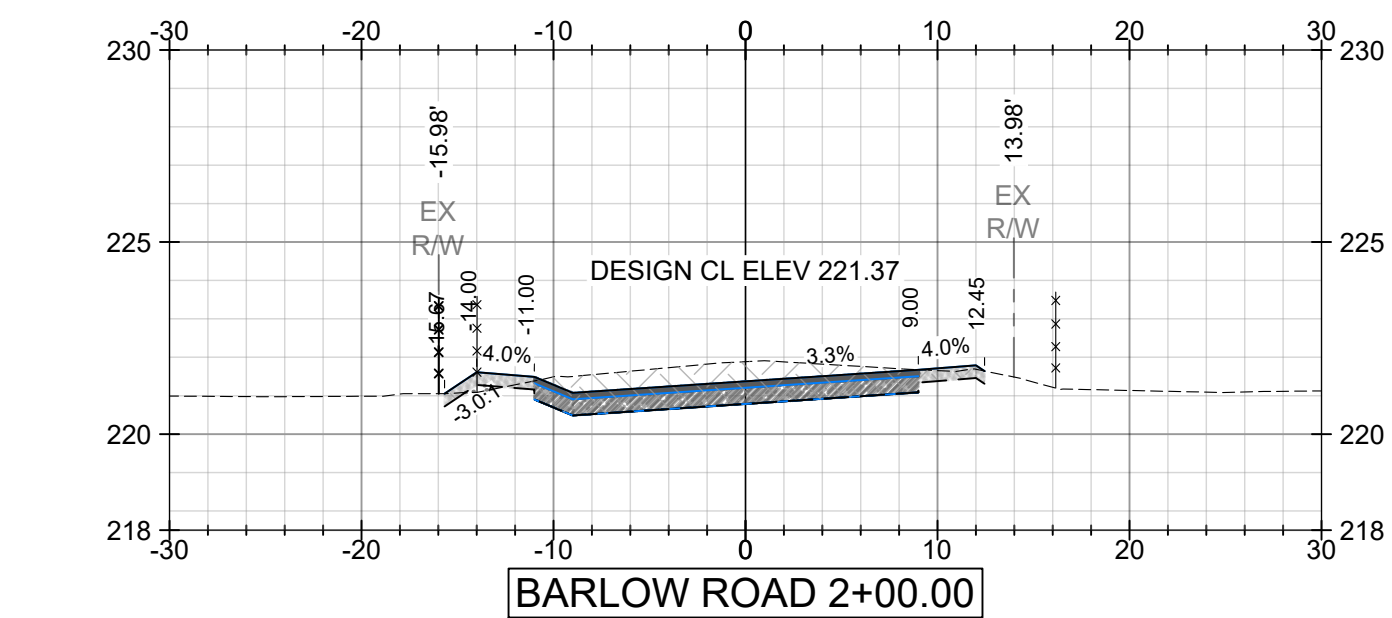
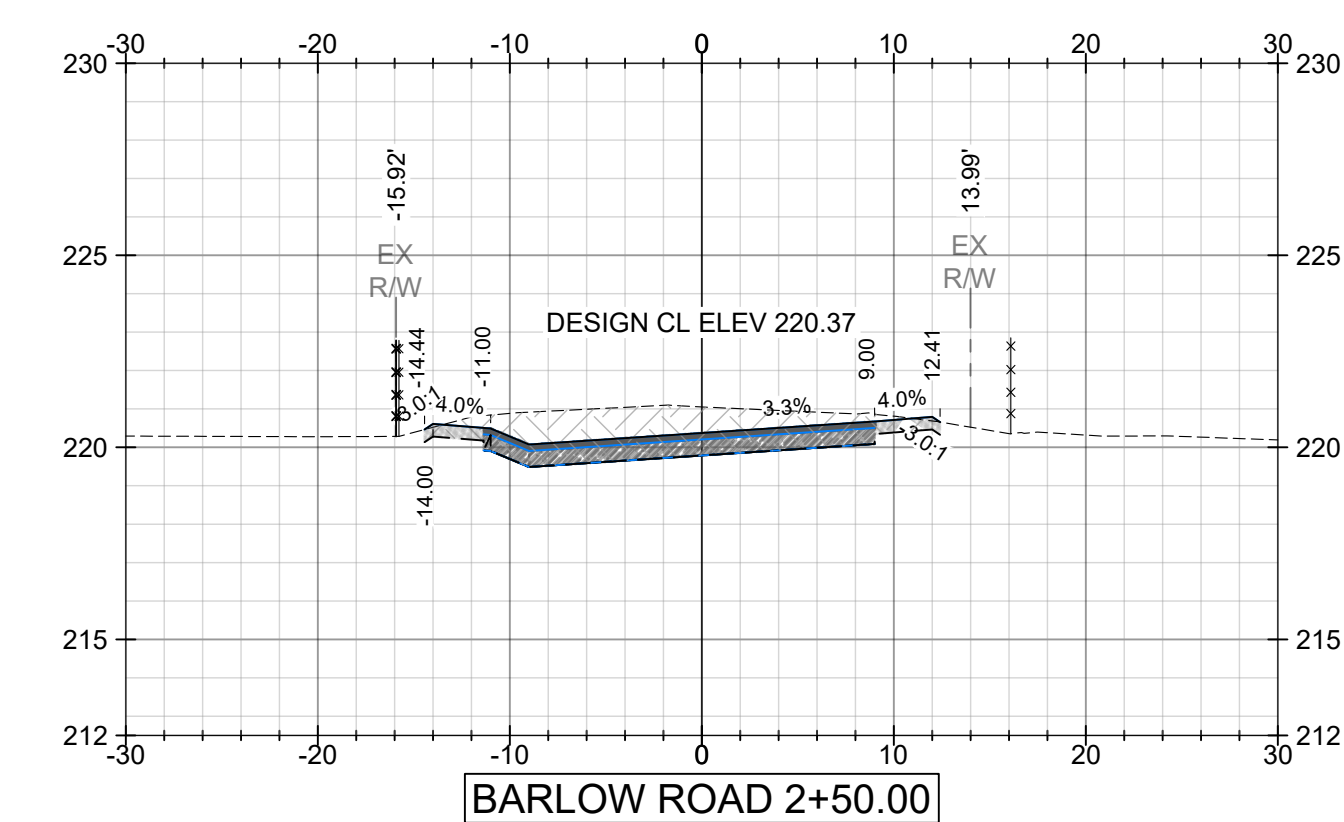
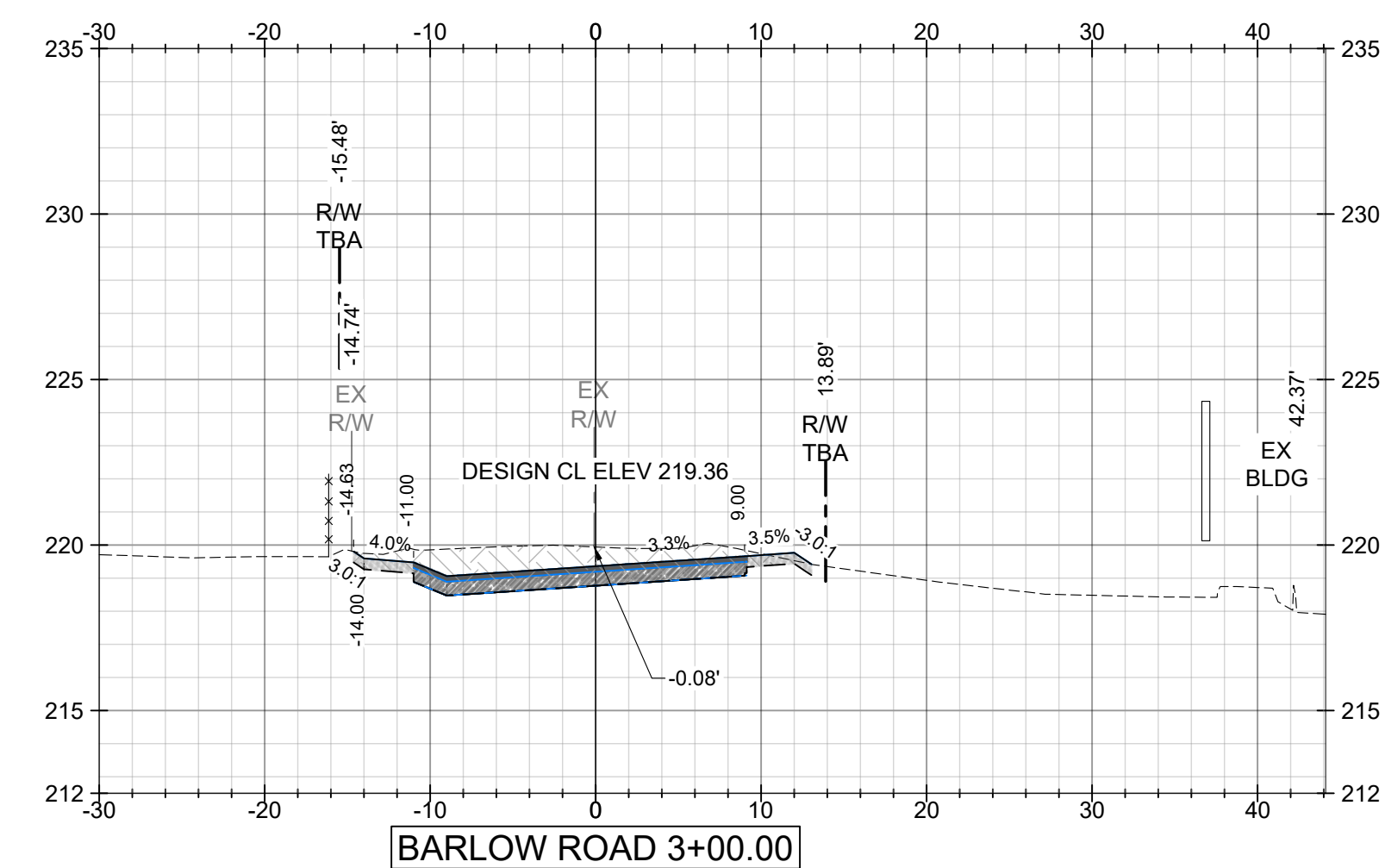
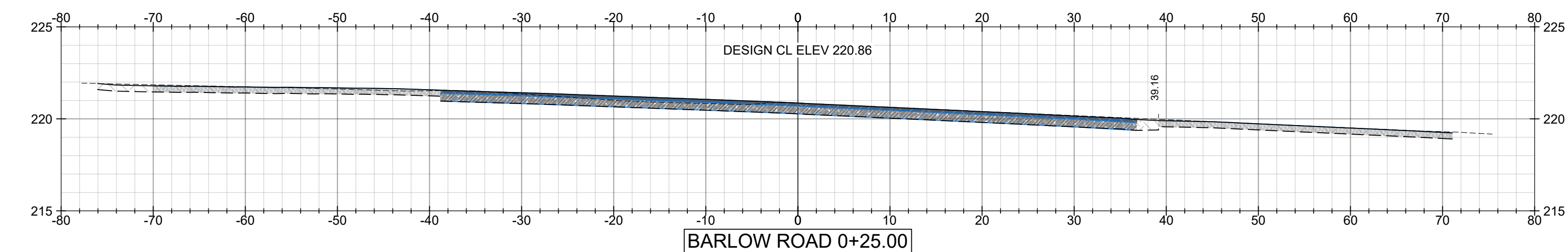
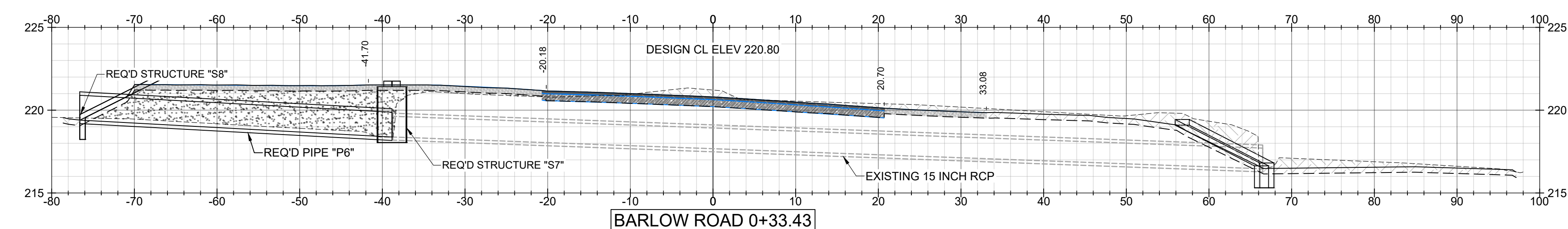
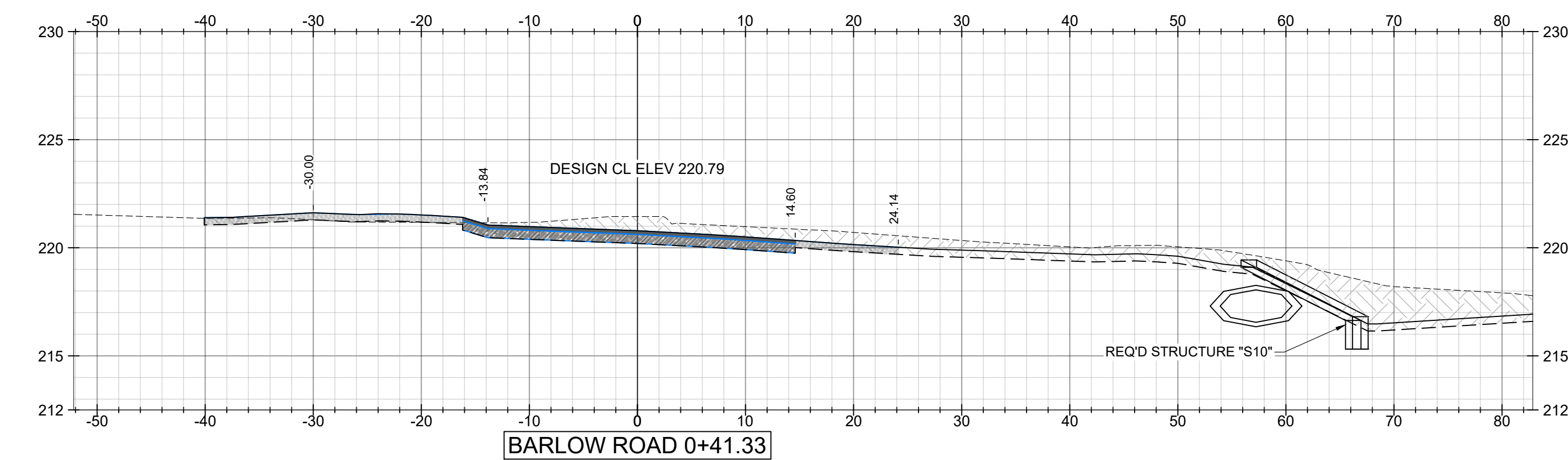
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MCR-2018-205
BARLOW RD AND HAVENS RD
HOWELLS FERRY ROAD PLAN AND PROFILE
SHEET 1 OF 1



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0	05/02/2025	CJF	ALF	ALF
	ISSUED FOR BID			

	CLIENT:
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MOBILE COUNTY
COMMISSION

MERCERIA L. LUDGOOD
CONNIE HUDSON
RANDALL DUEITT

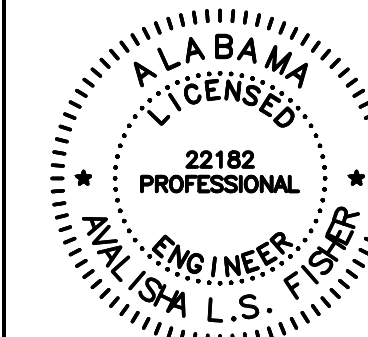


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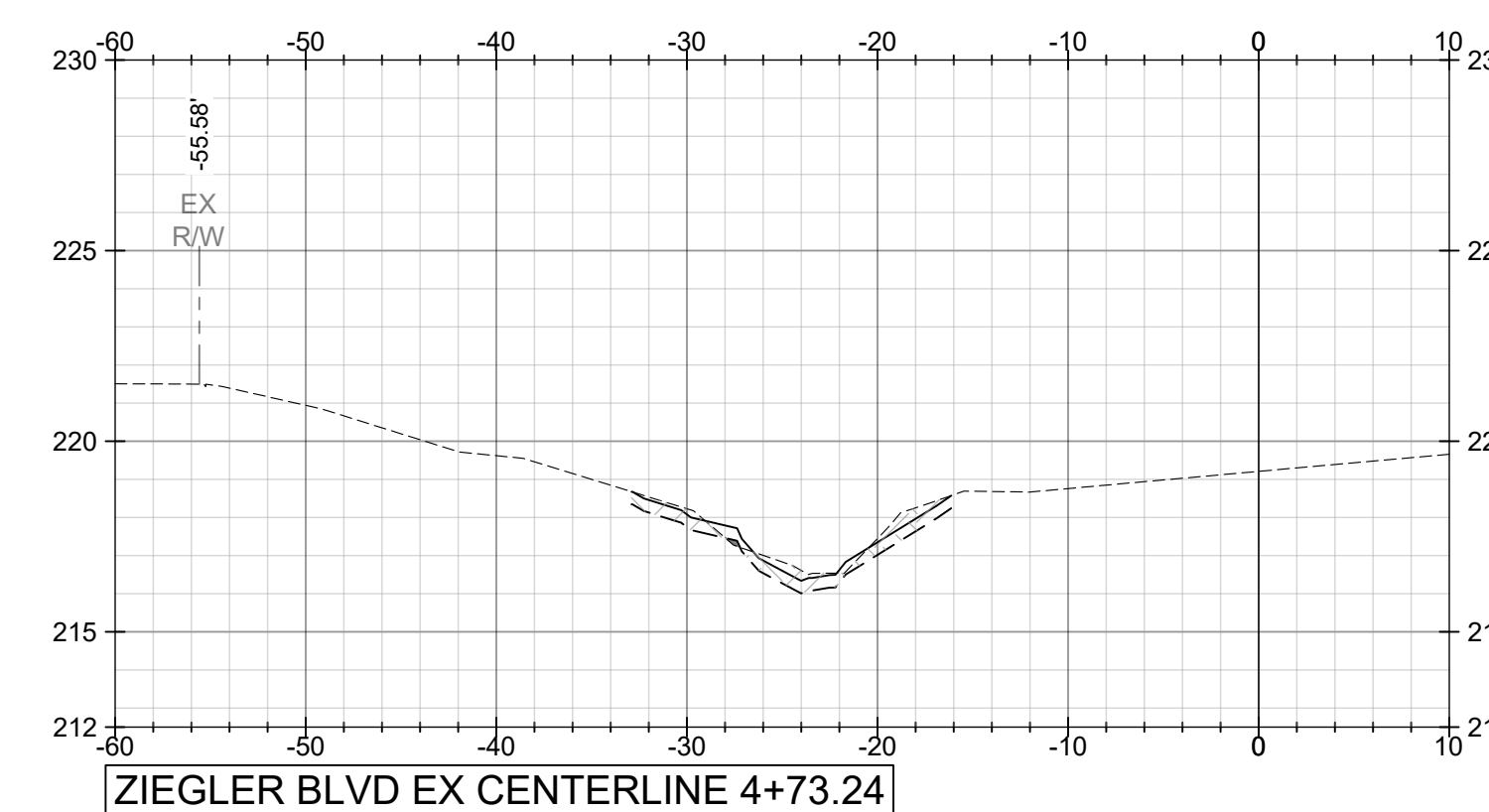
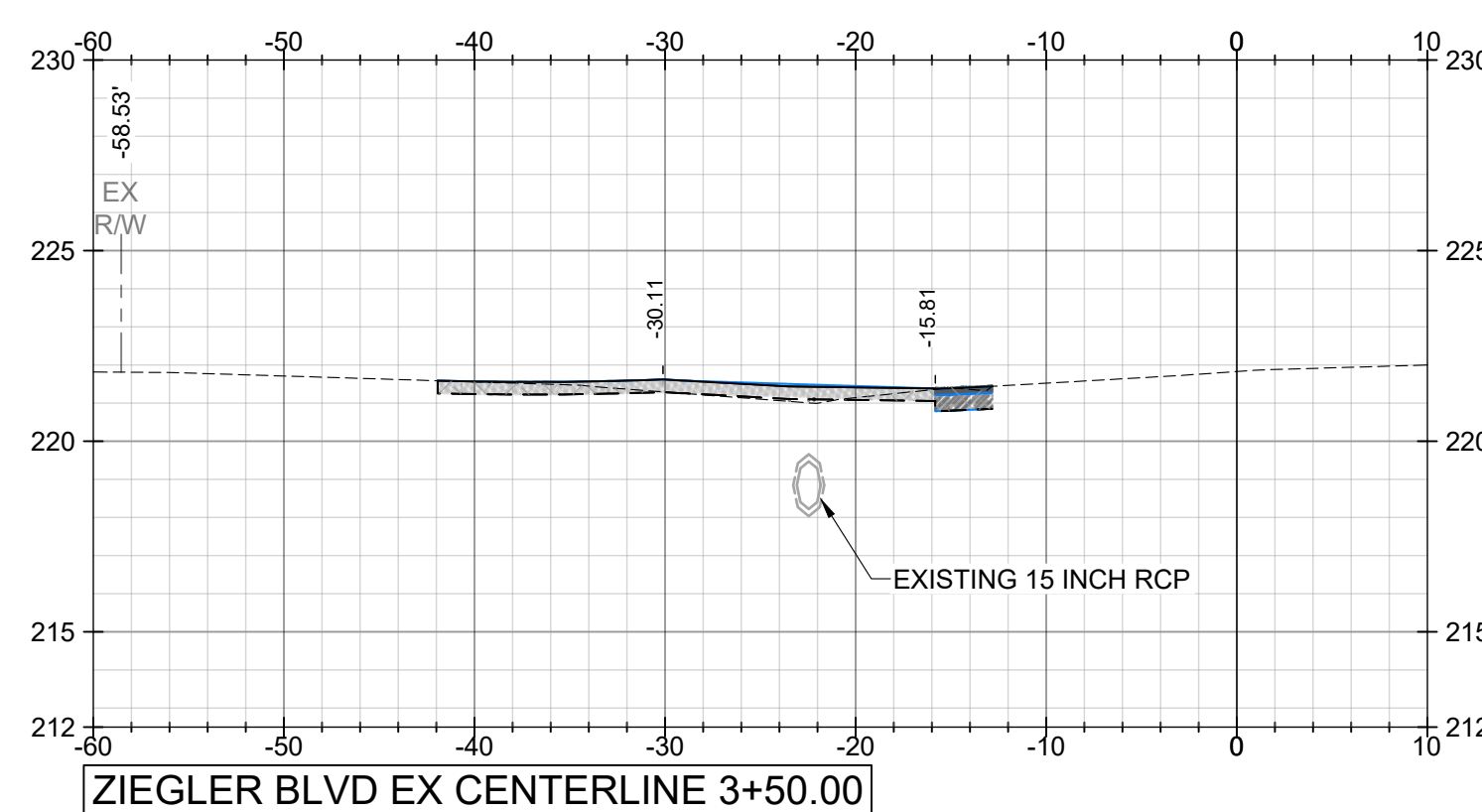
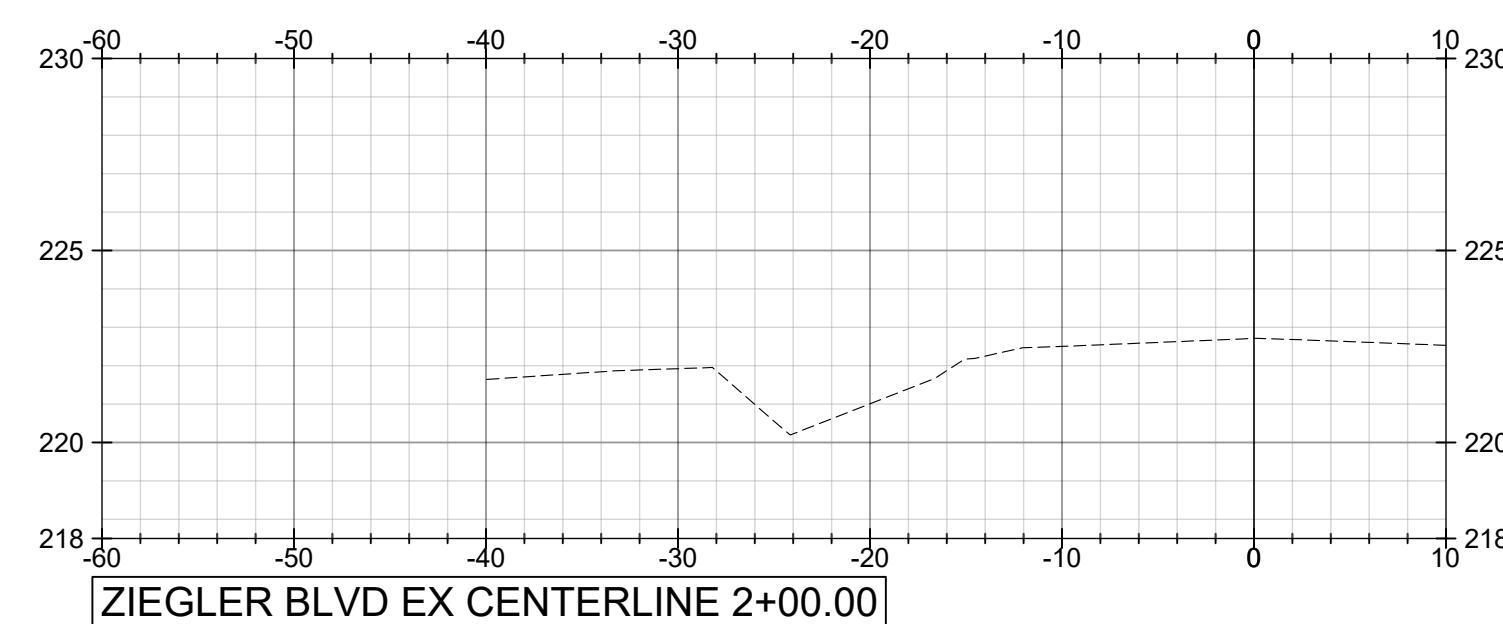
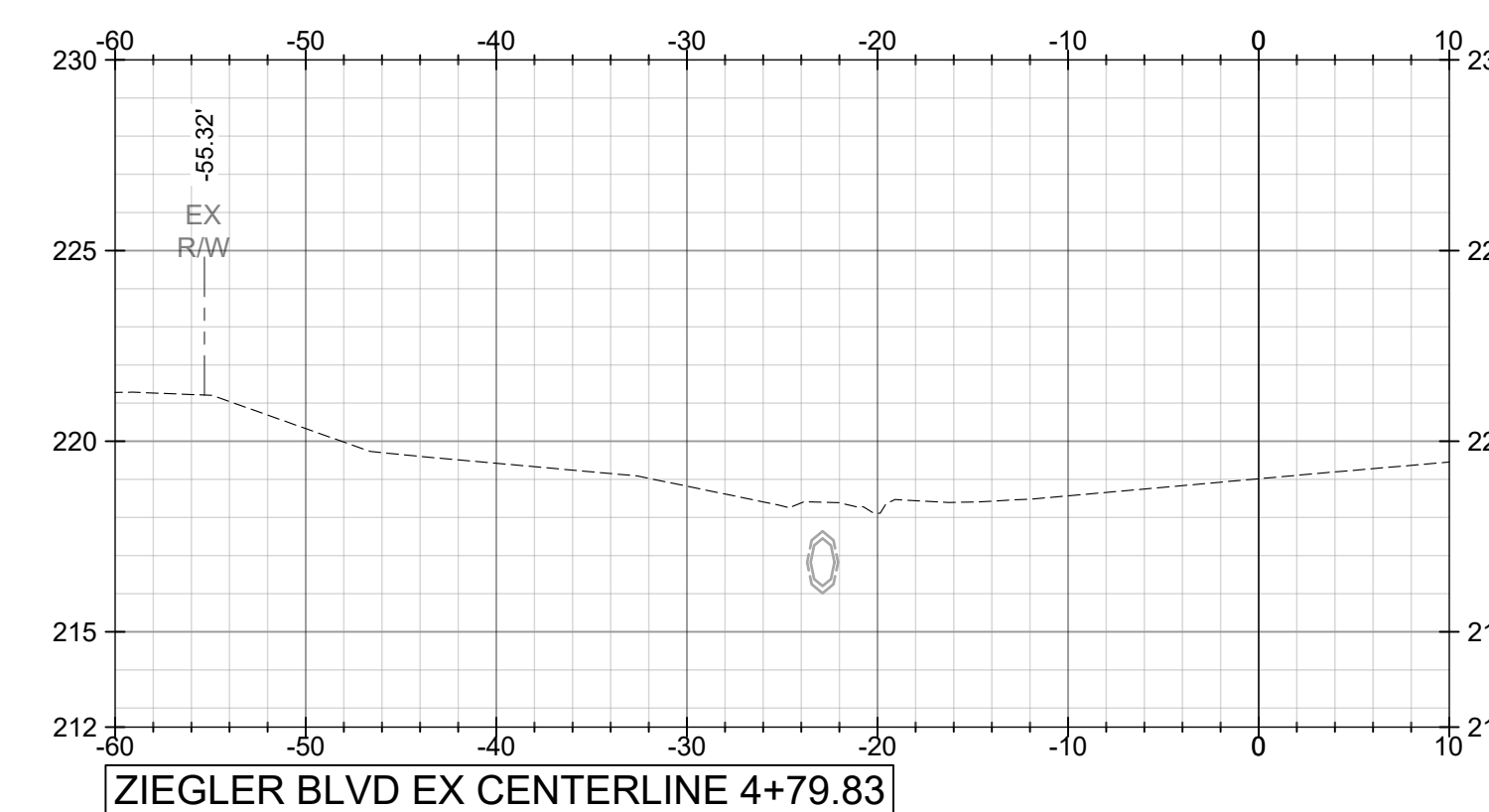
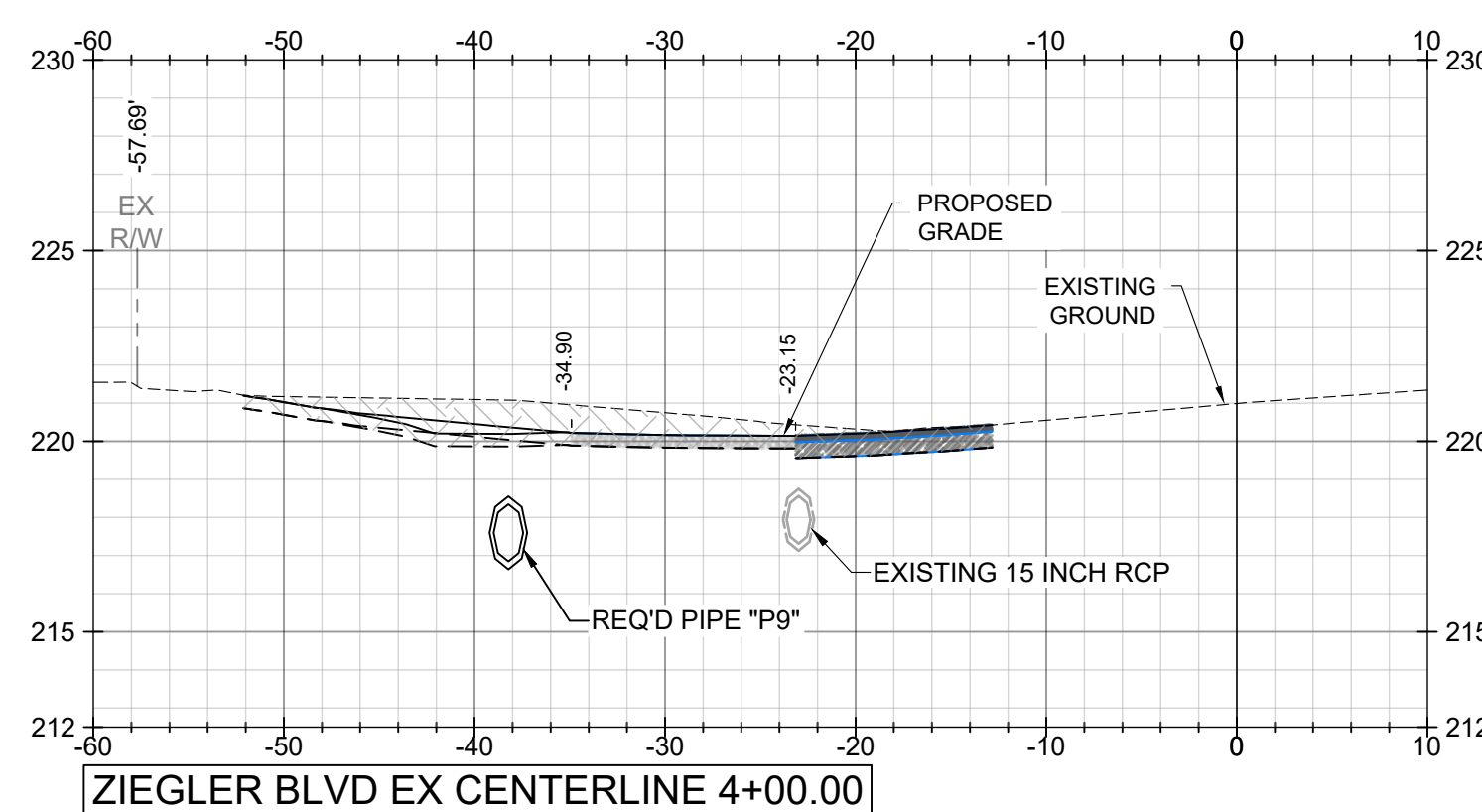
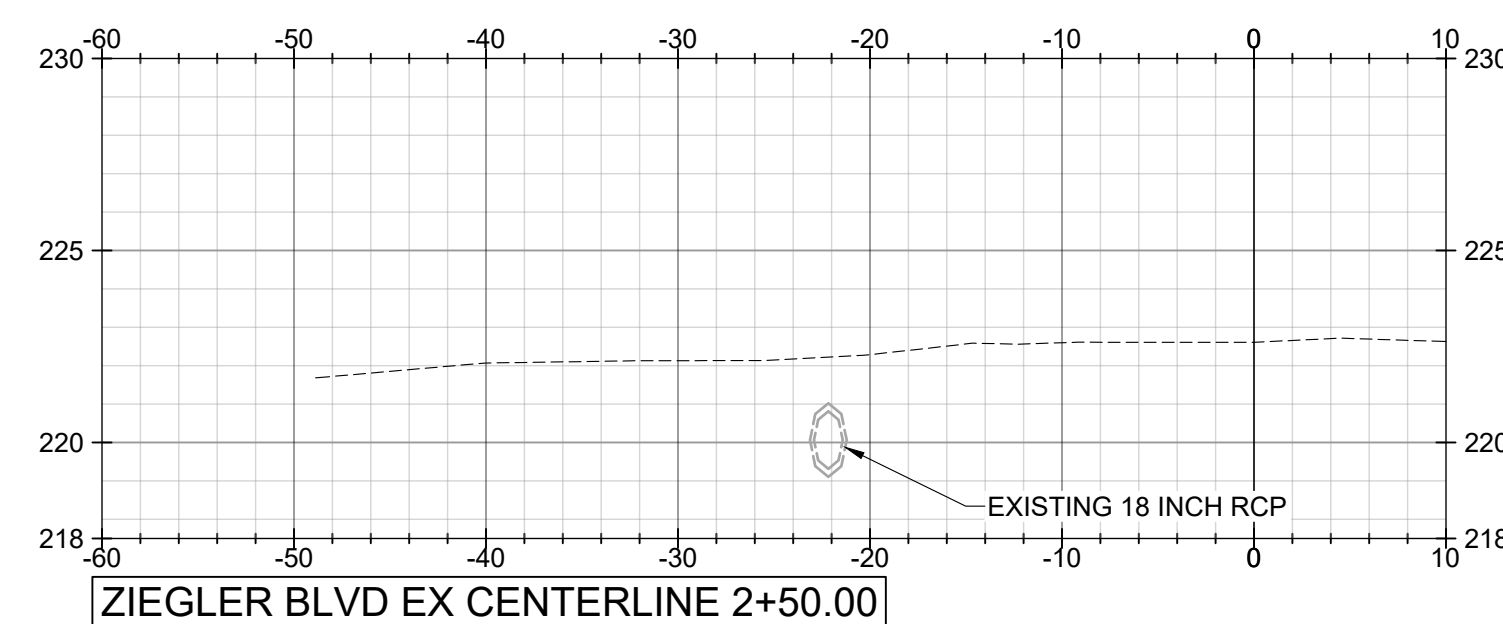
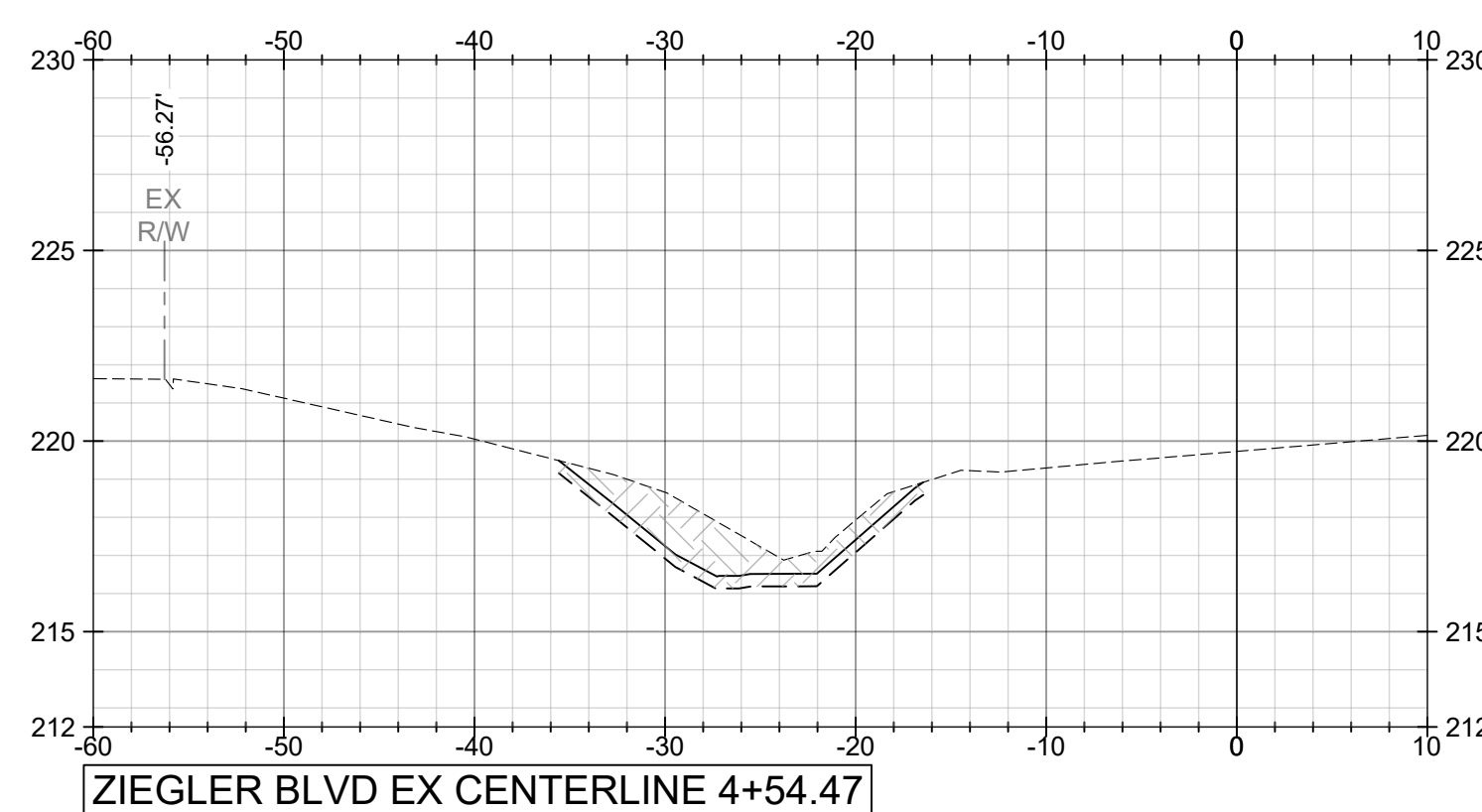
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	TITLE:
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MCR-2018-205
BARLOW RD AND HAVENS RD
BARLOW CROSS SECTIONS
SHEET 1 OF 2

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19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C14	34	0



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0	05/02/2025	CJF	ALF	ALF
	ISSUED FOR BID			

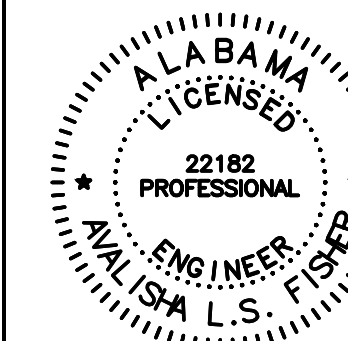
CLIENT:	MOBILE COUNTY COMMISSION
	MERCERIA L. LUDGOOD CONNIE HUDSON RANDALL DUEITT



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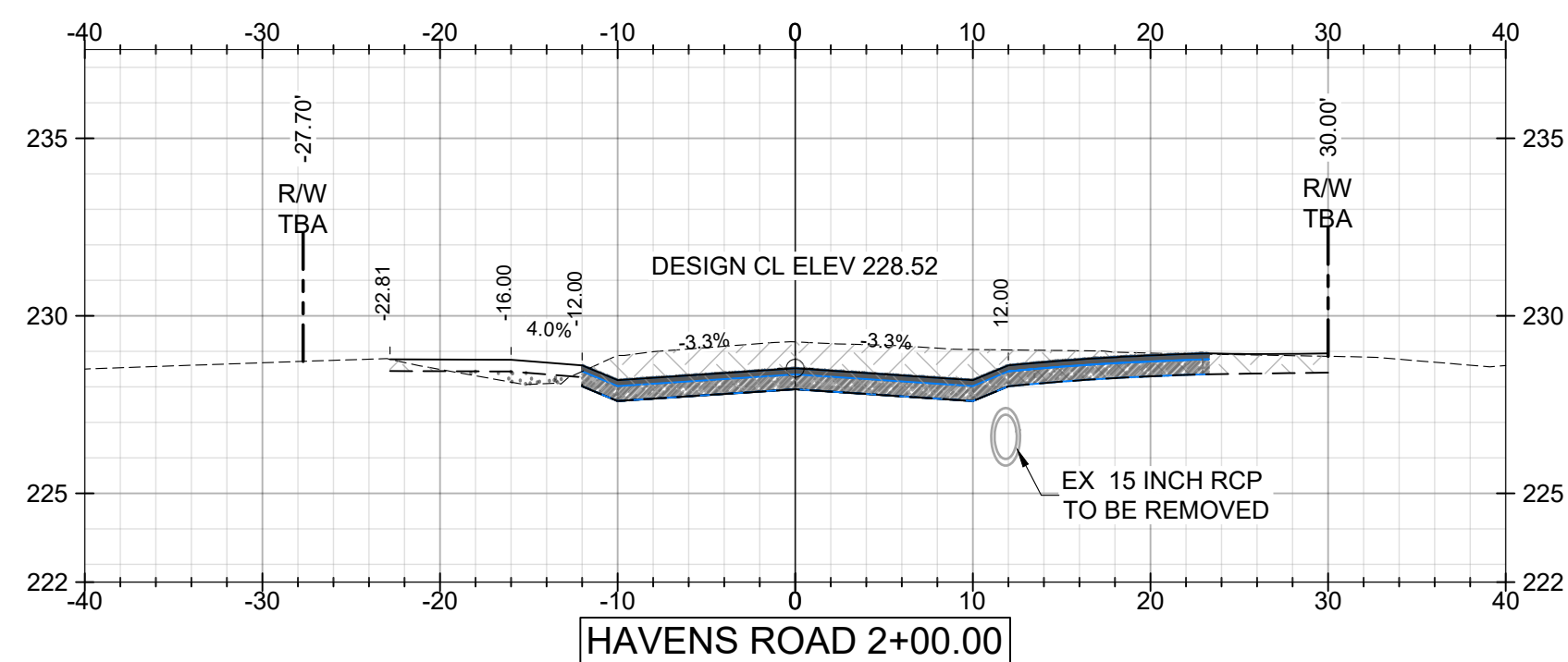


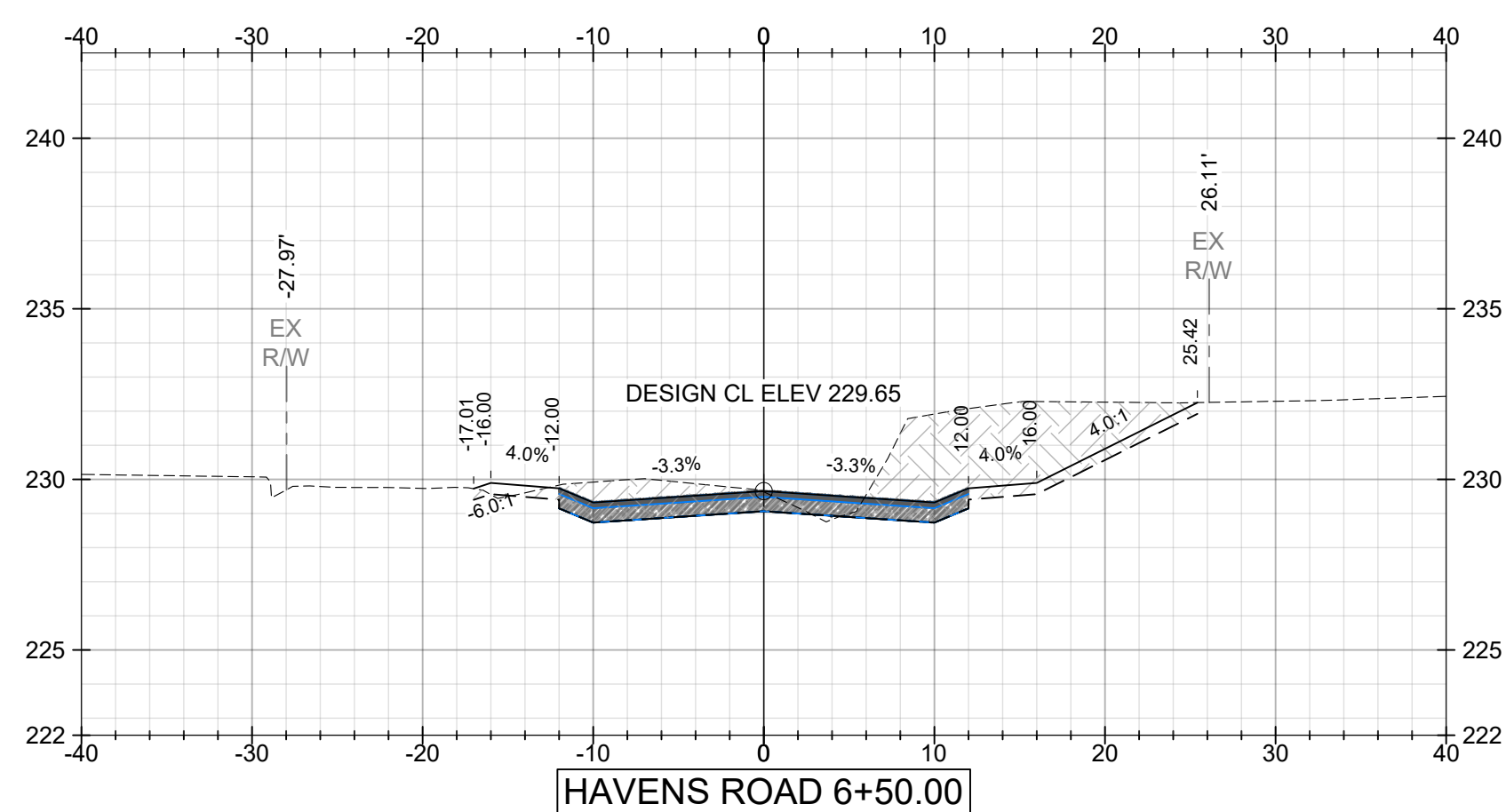
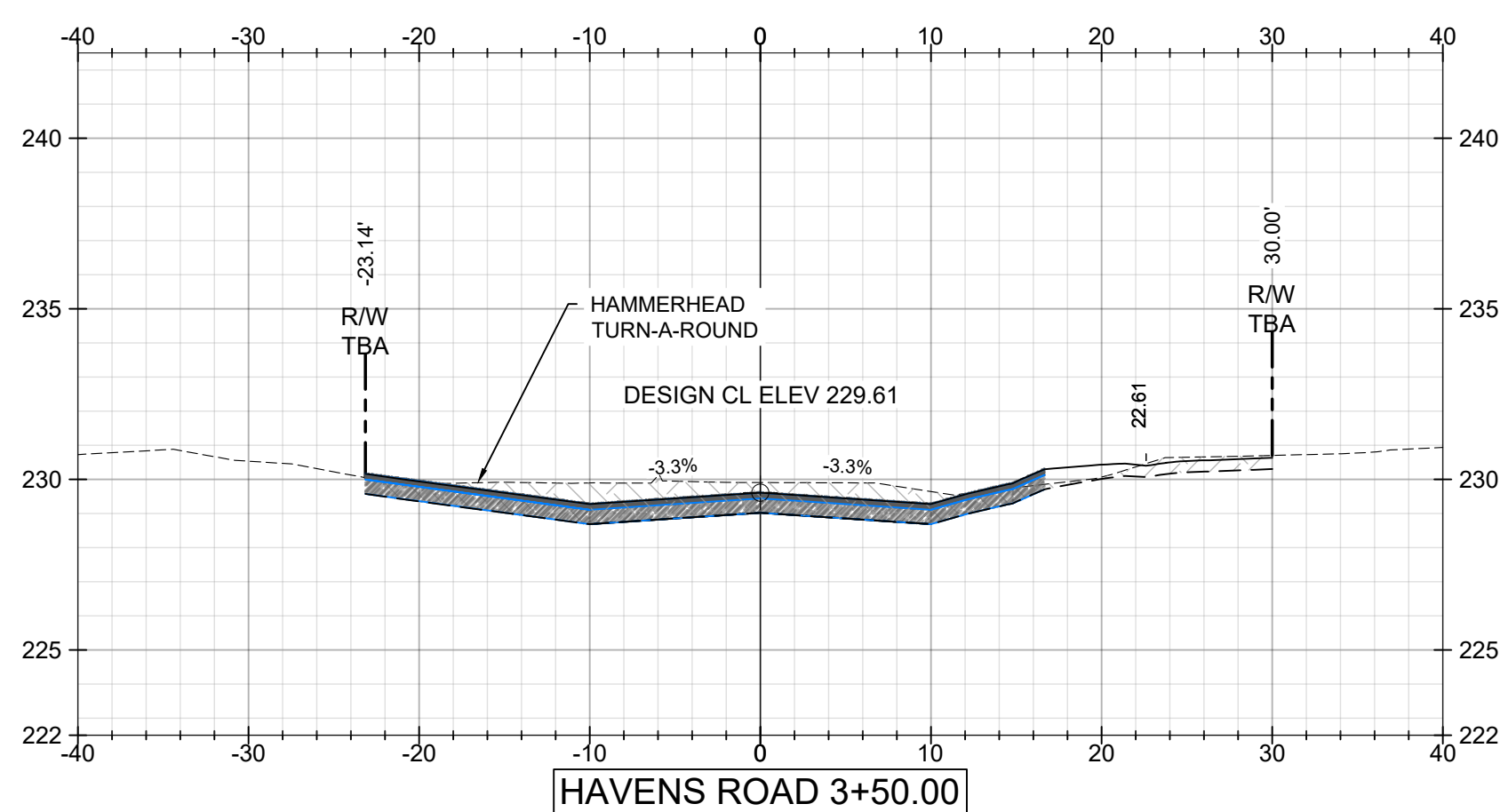
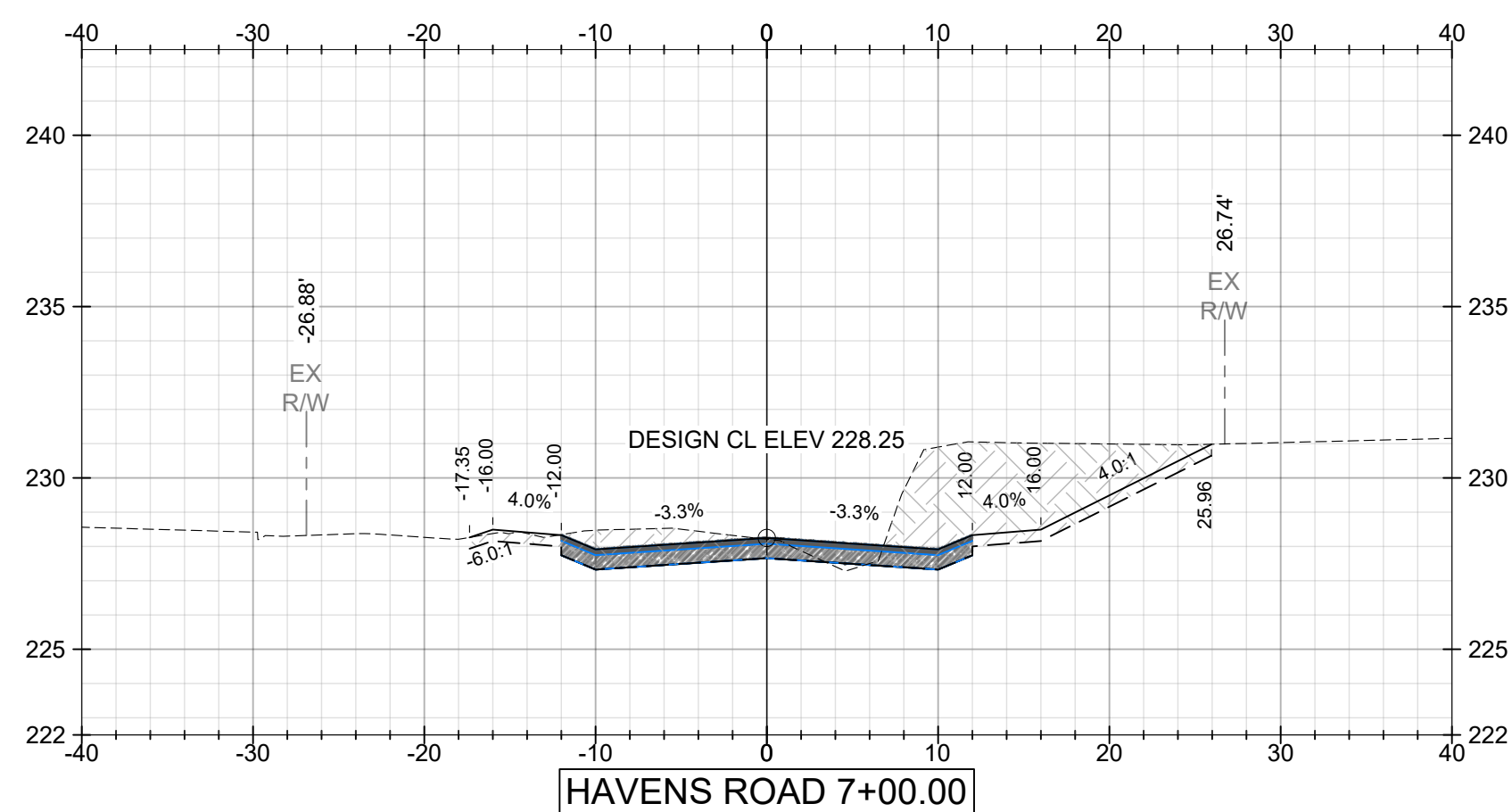
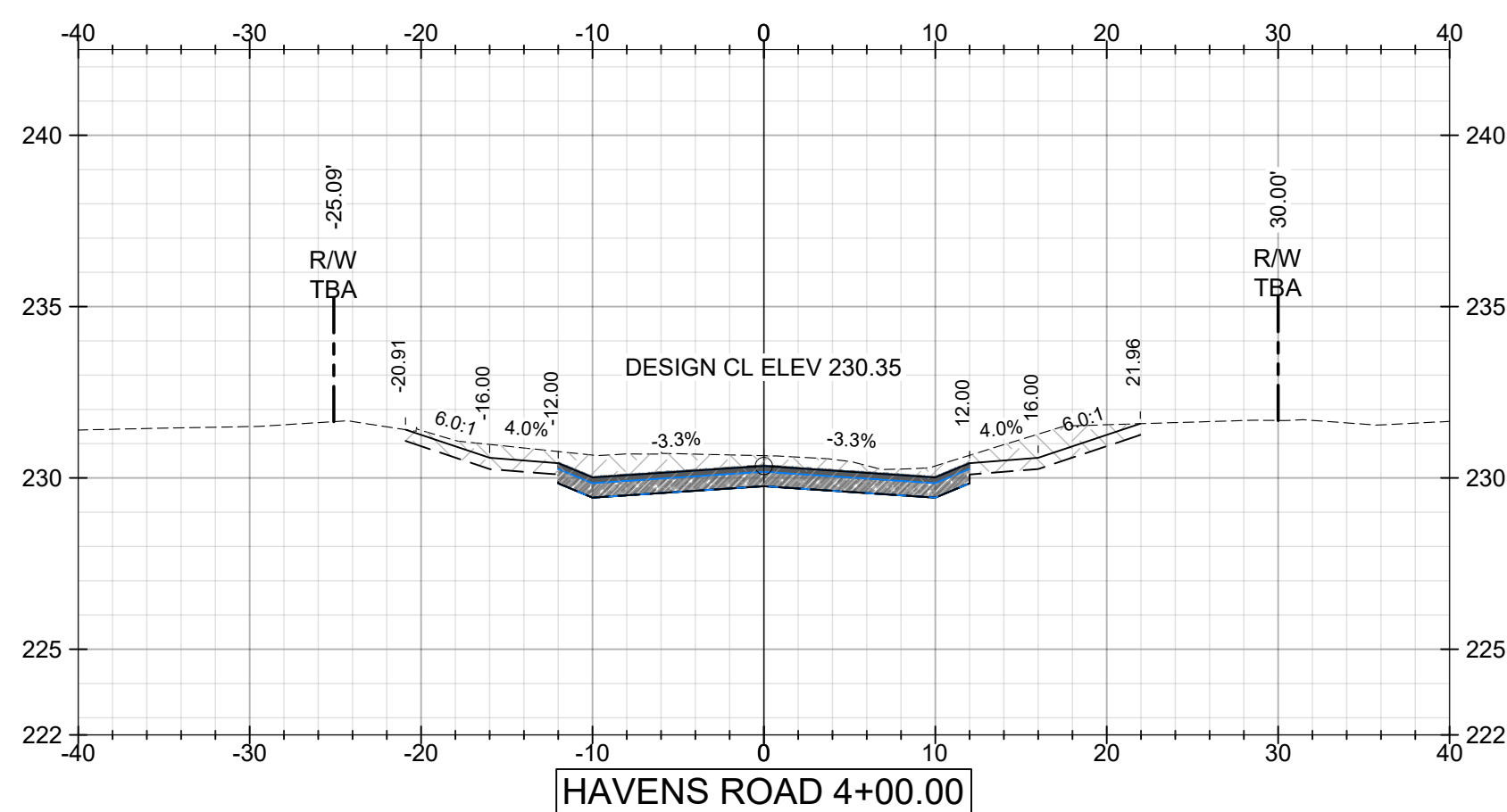
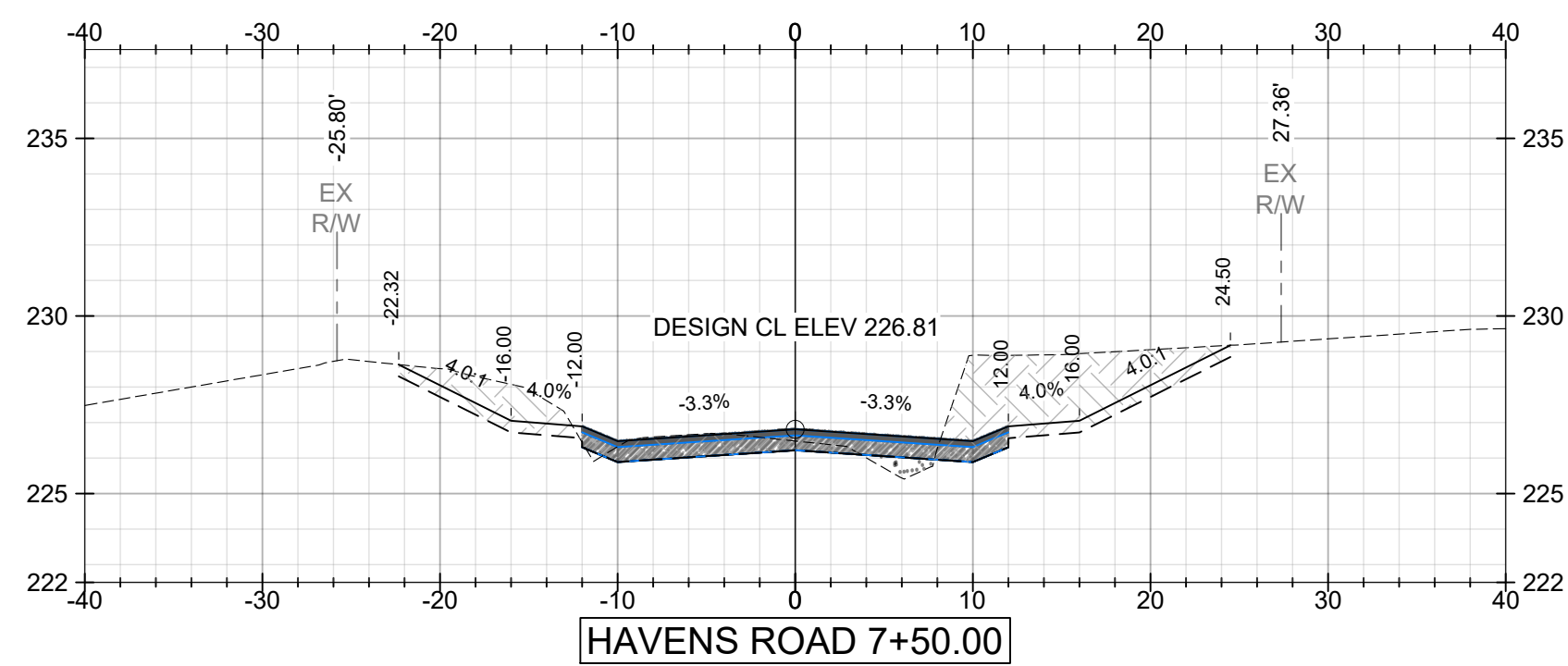
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DATE	SCALE	
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19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C16	34	0



DRAWING NUMBER	TOTAL SHEETS	REVISION
C17	34	0



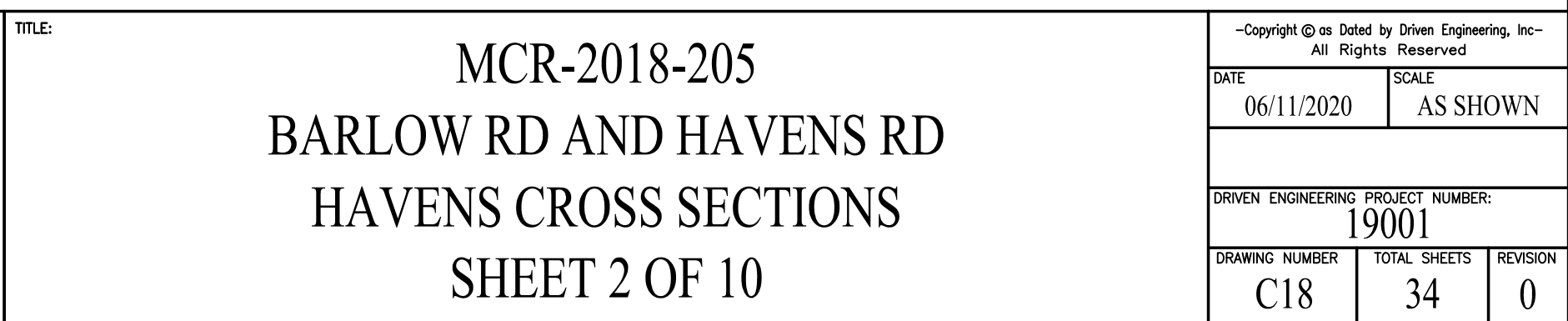
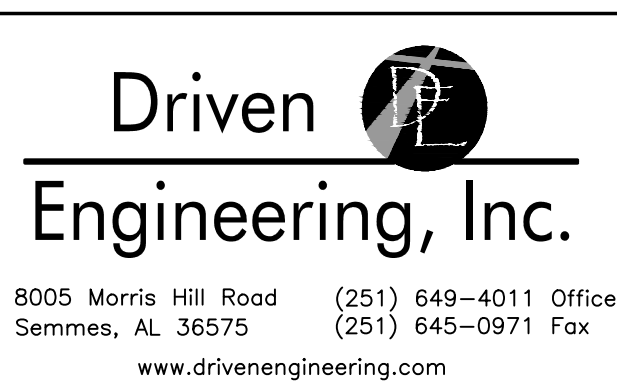


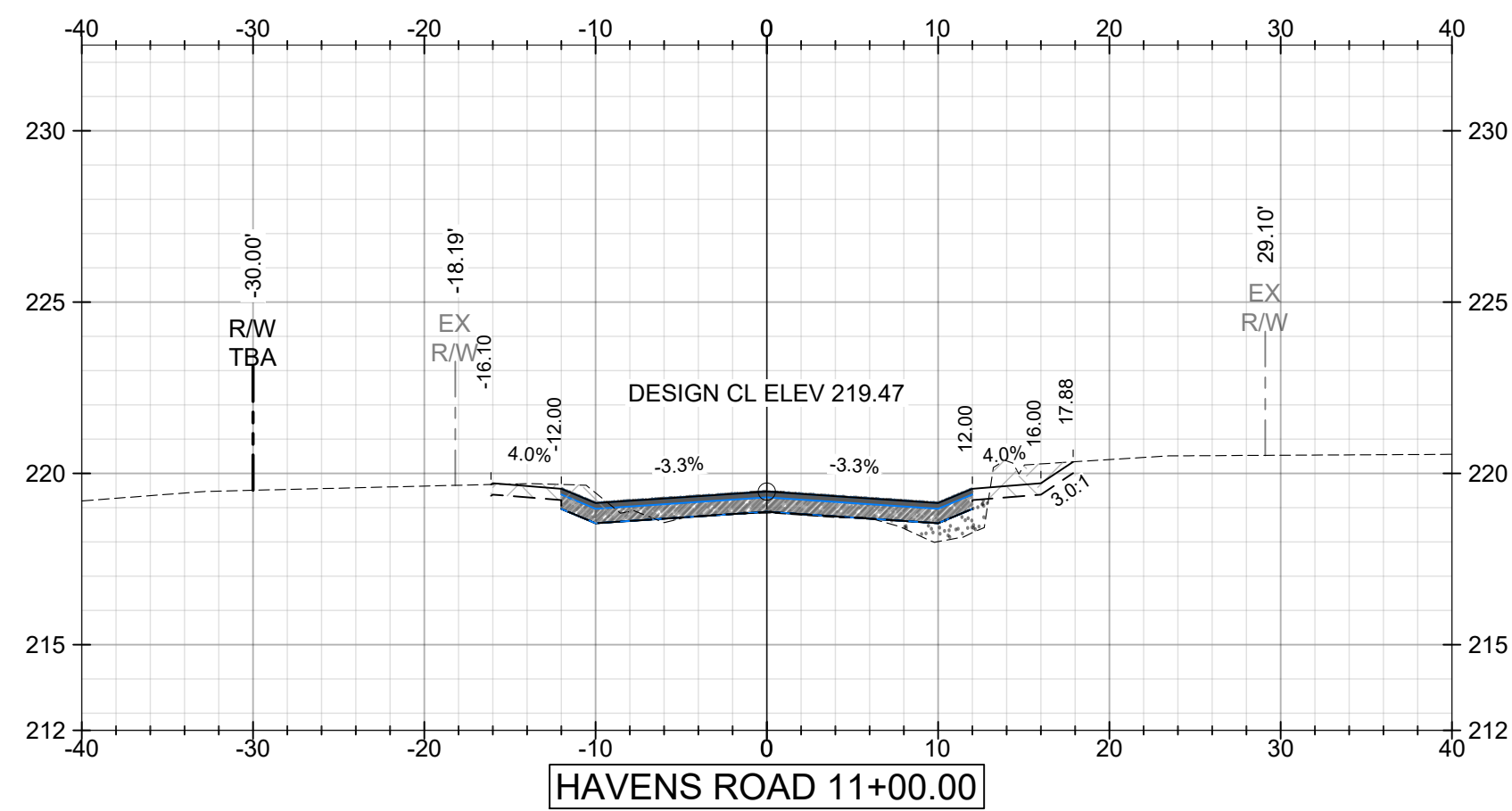
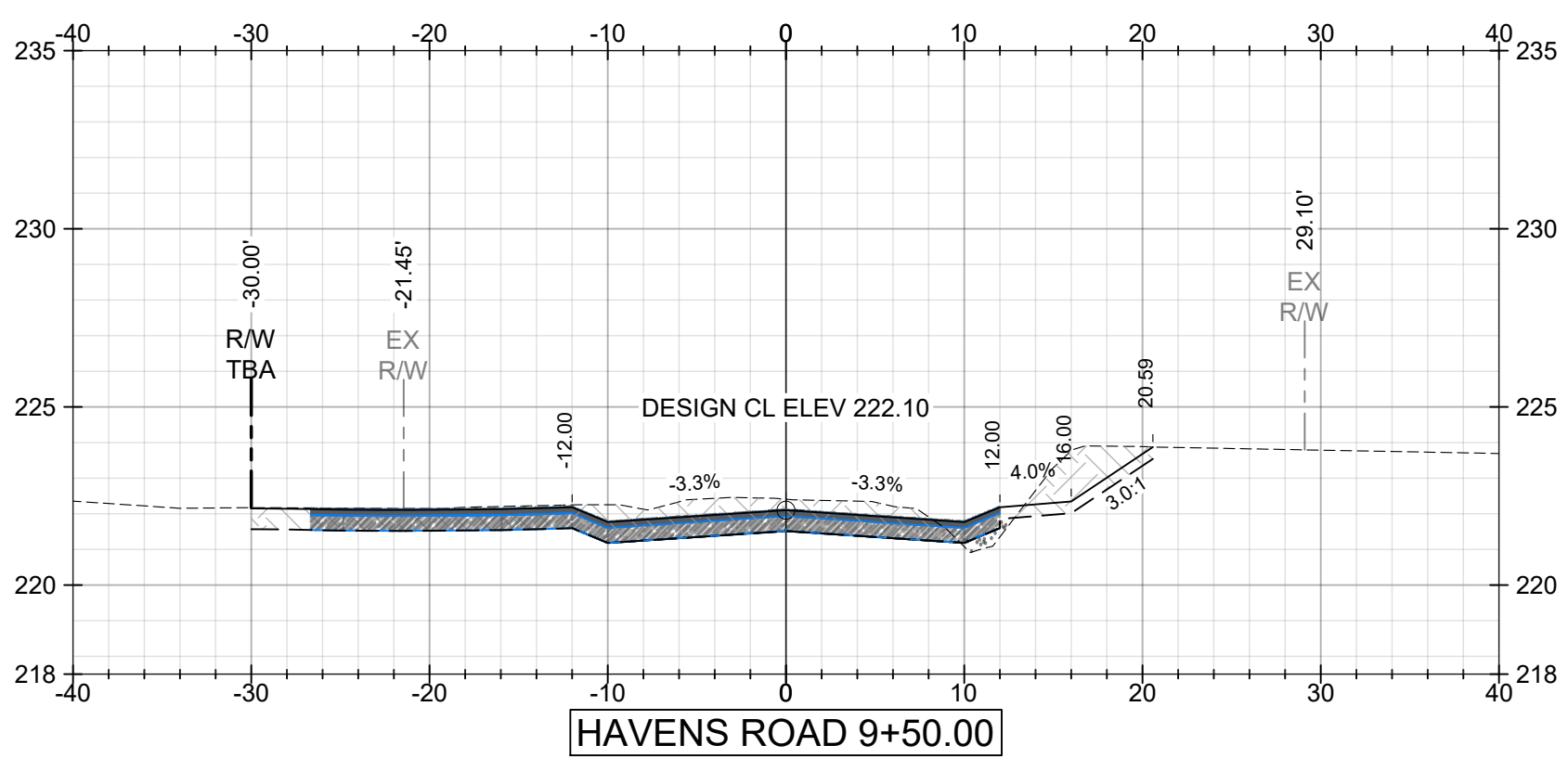
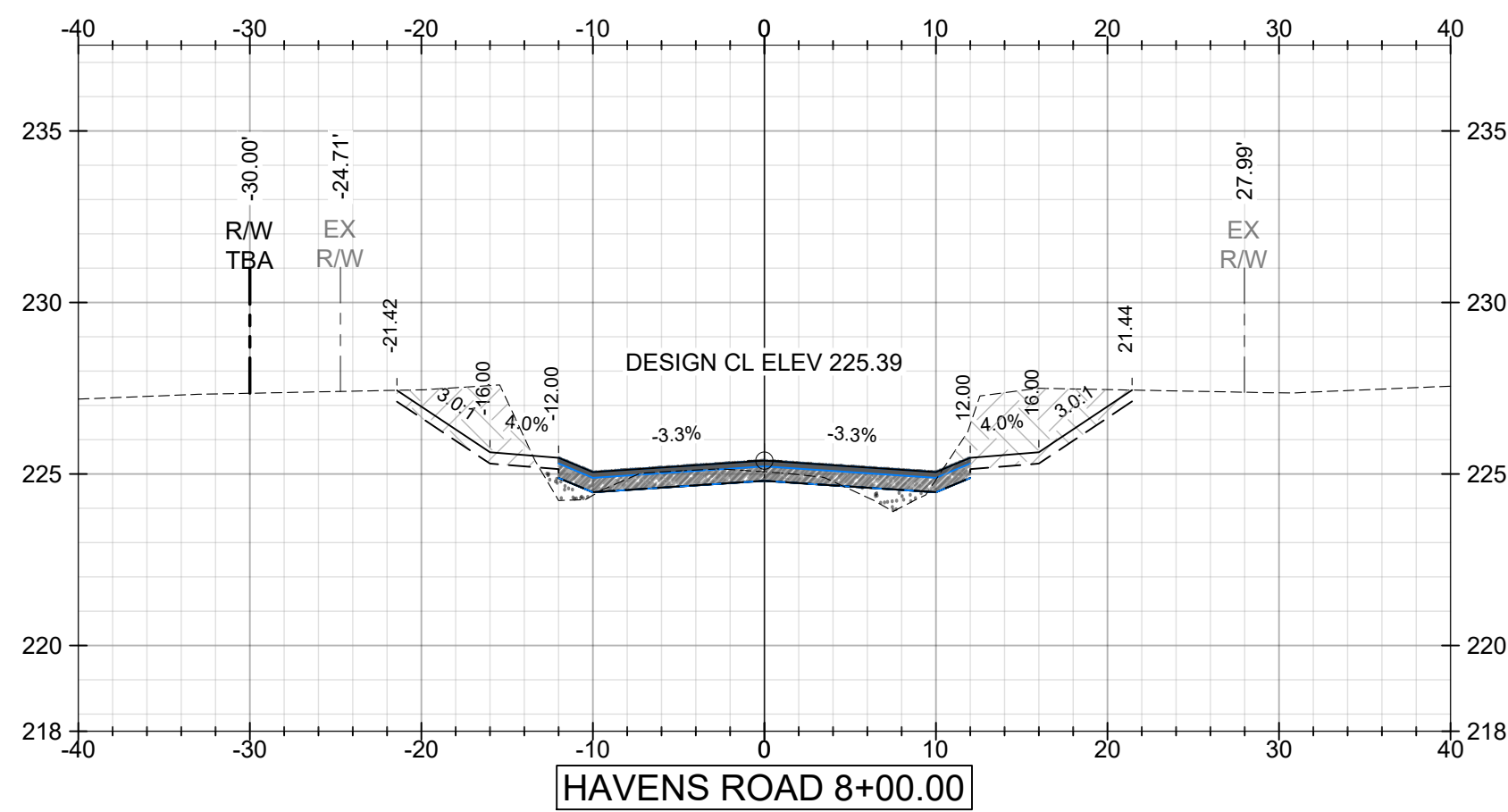
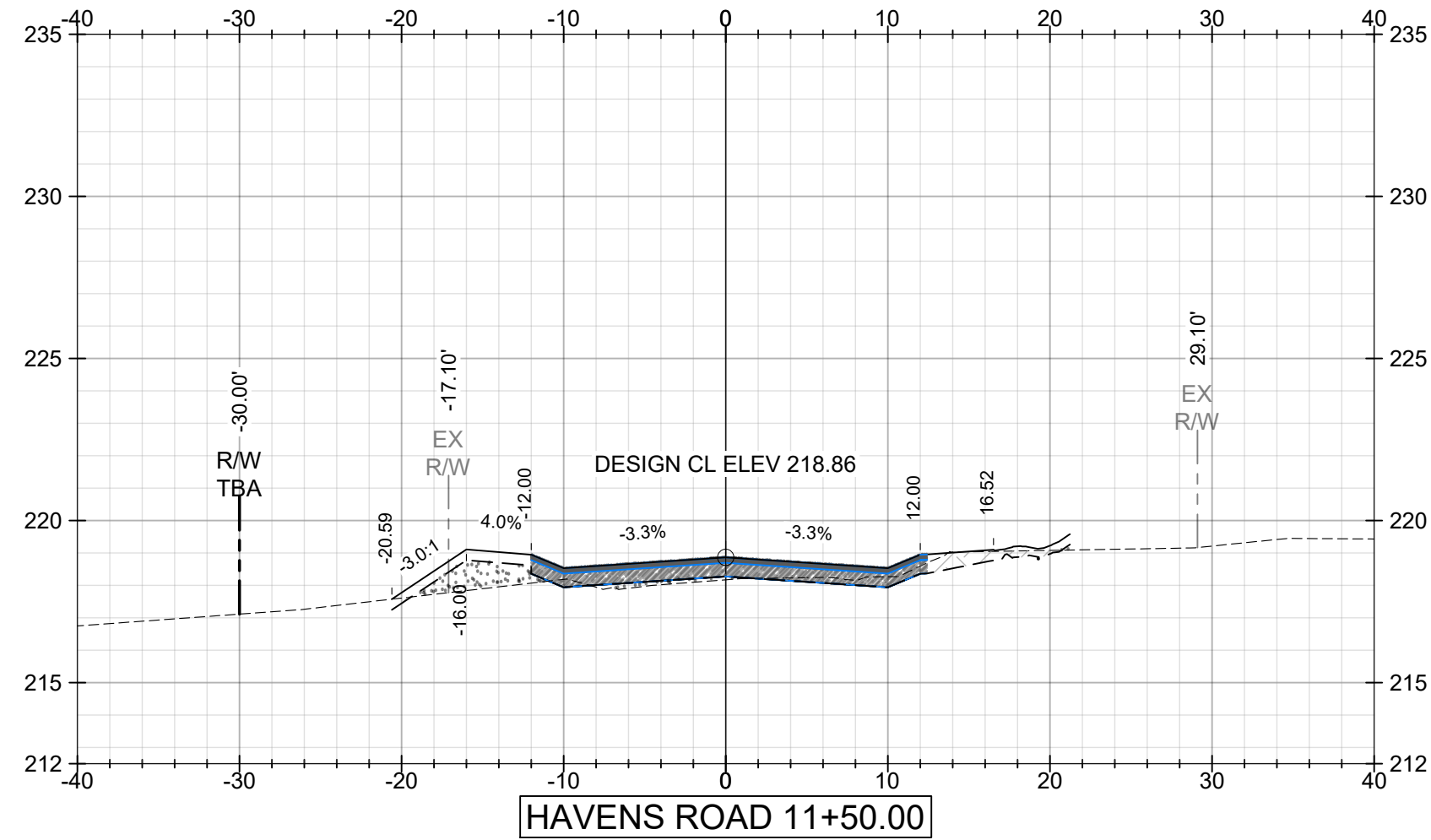
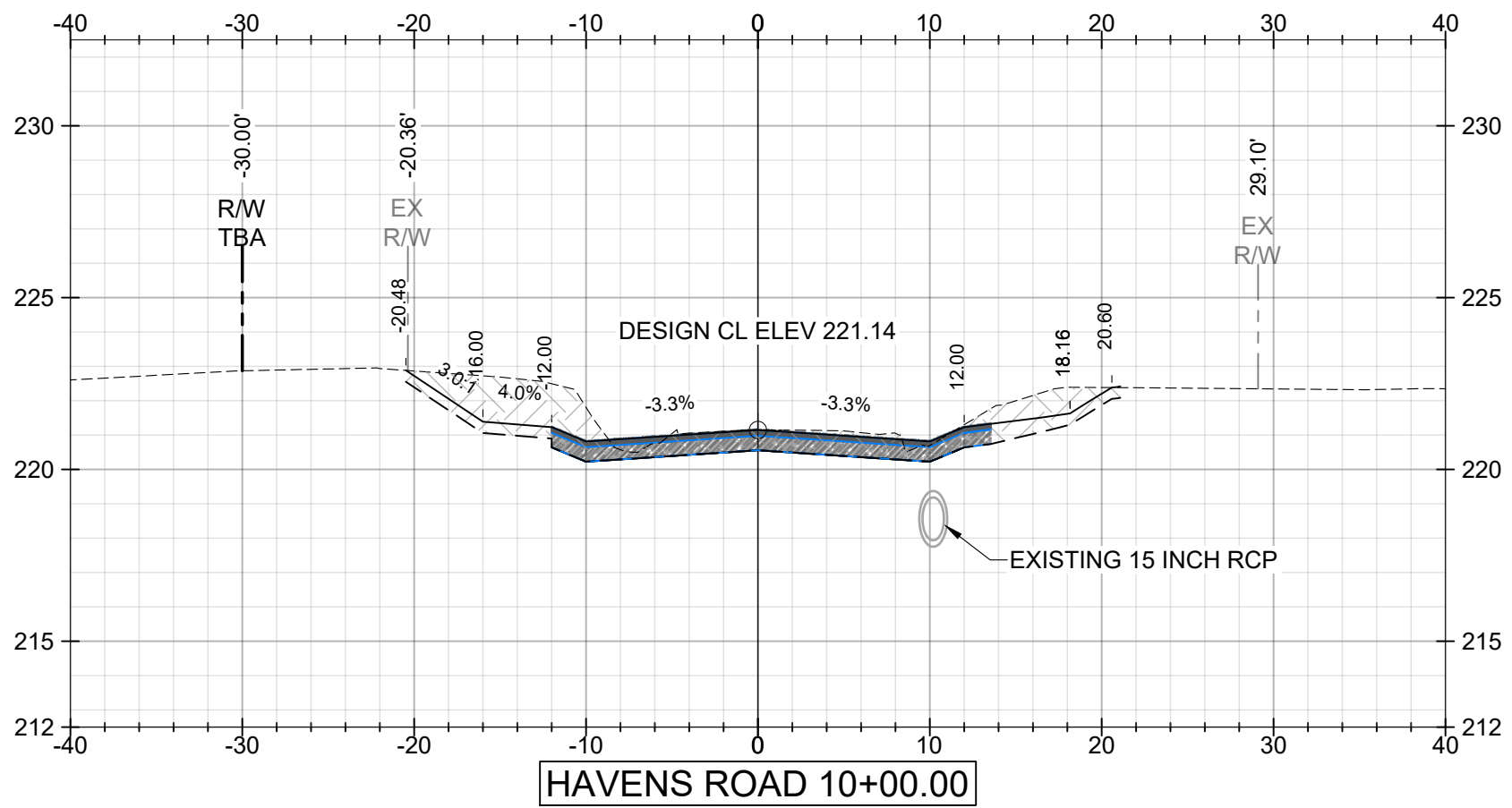
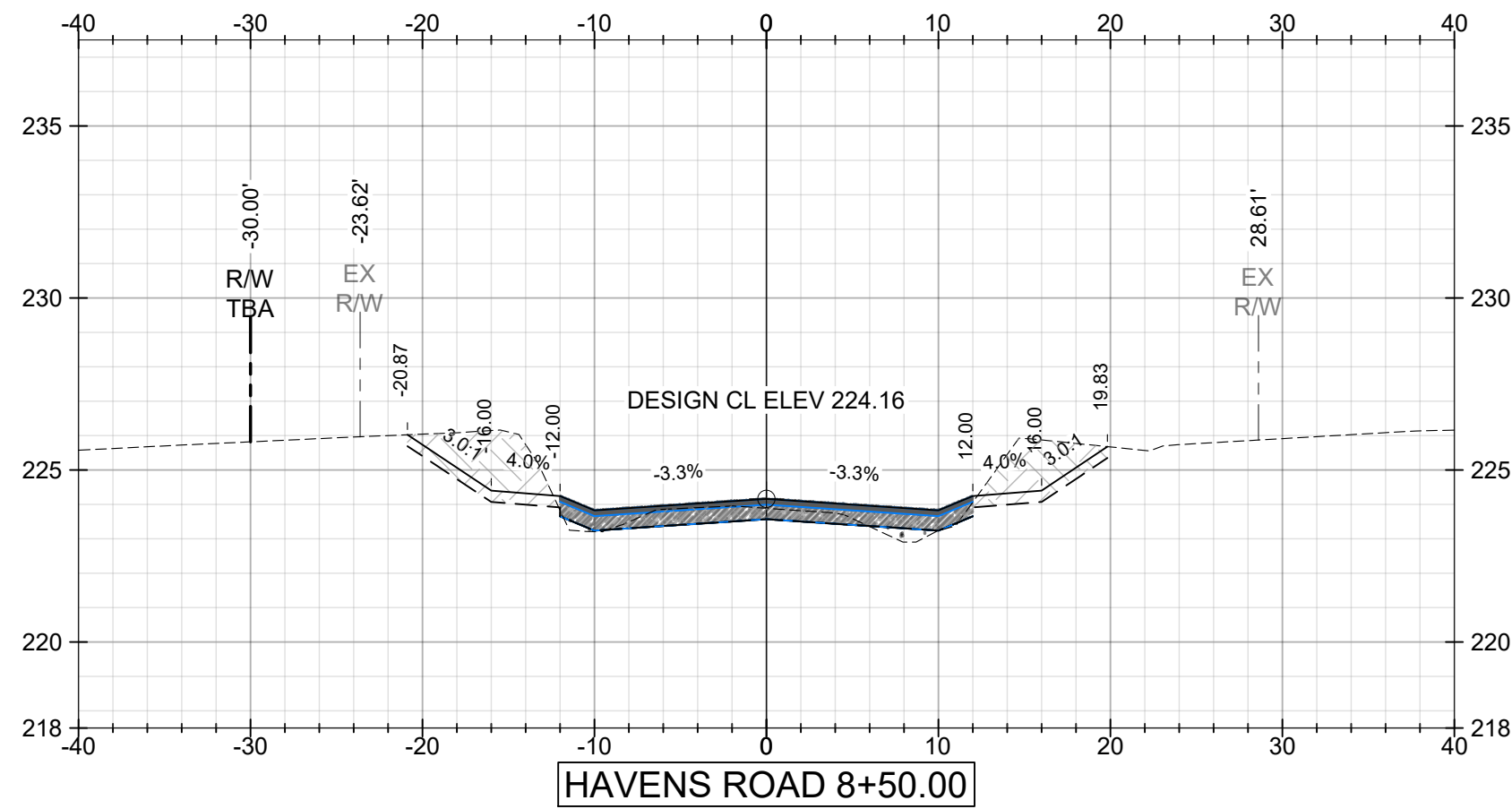
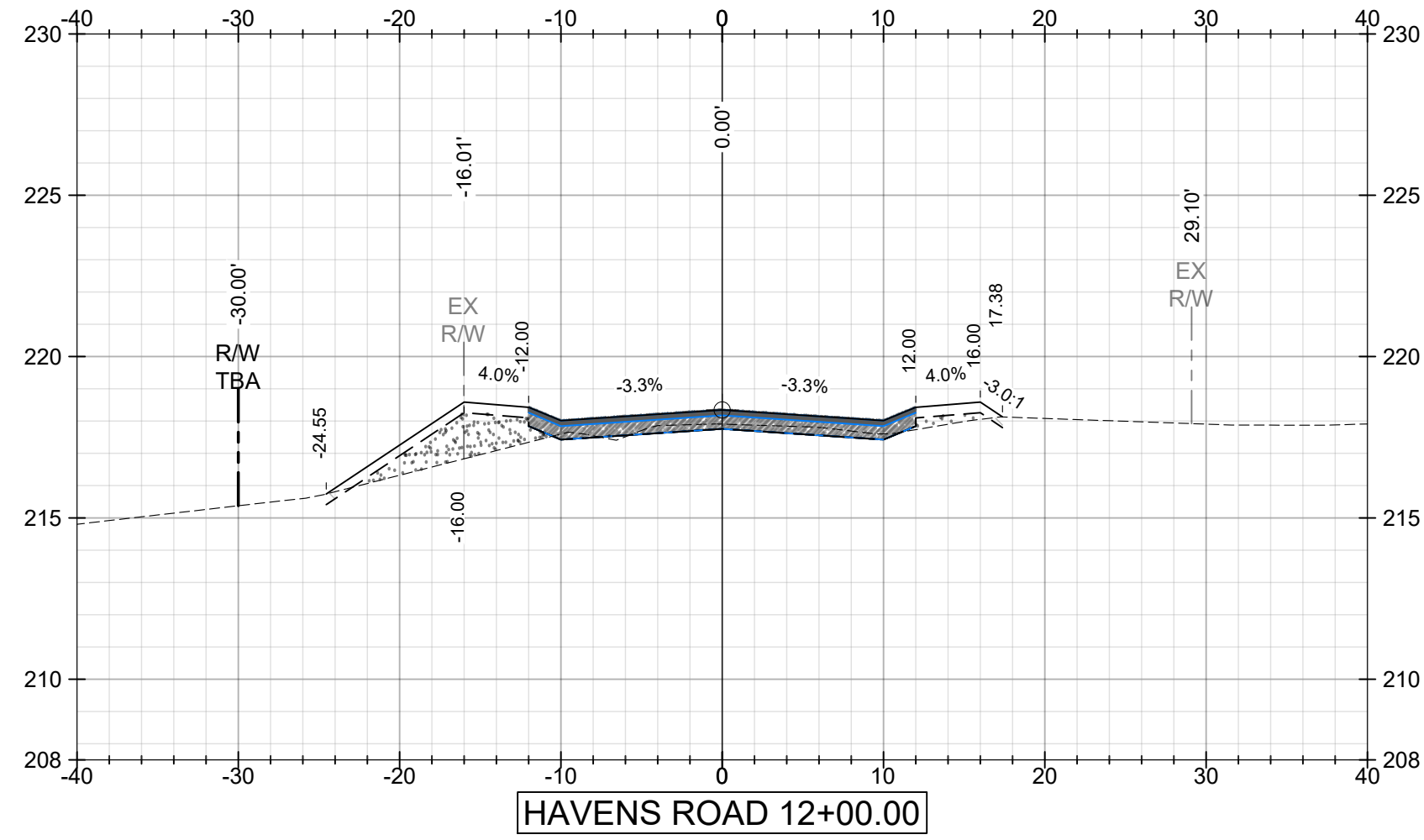
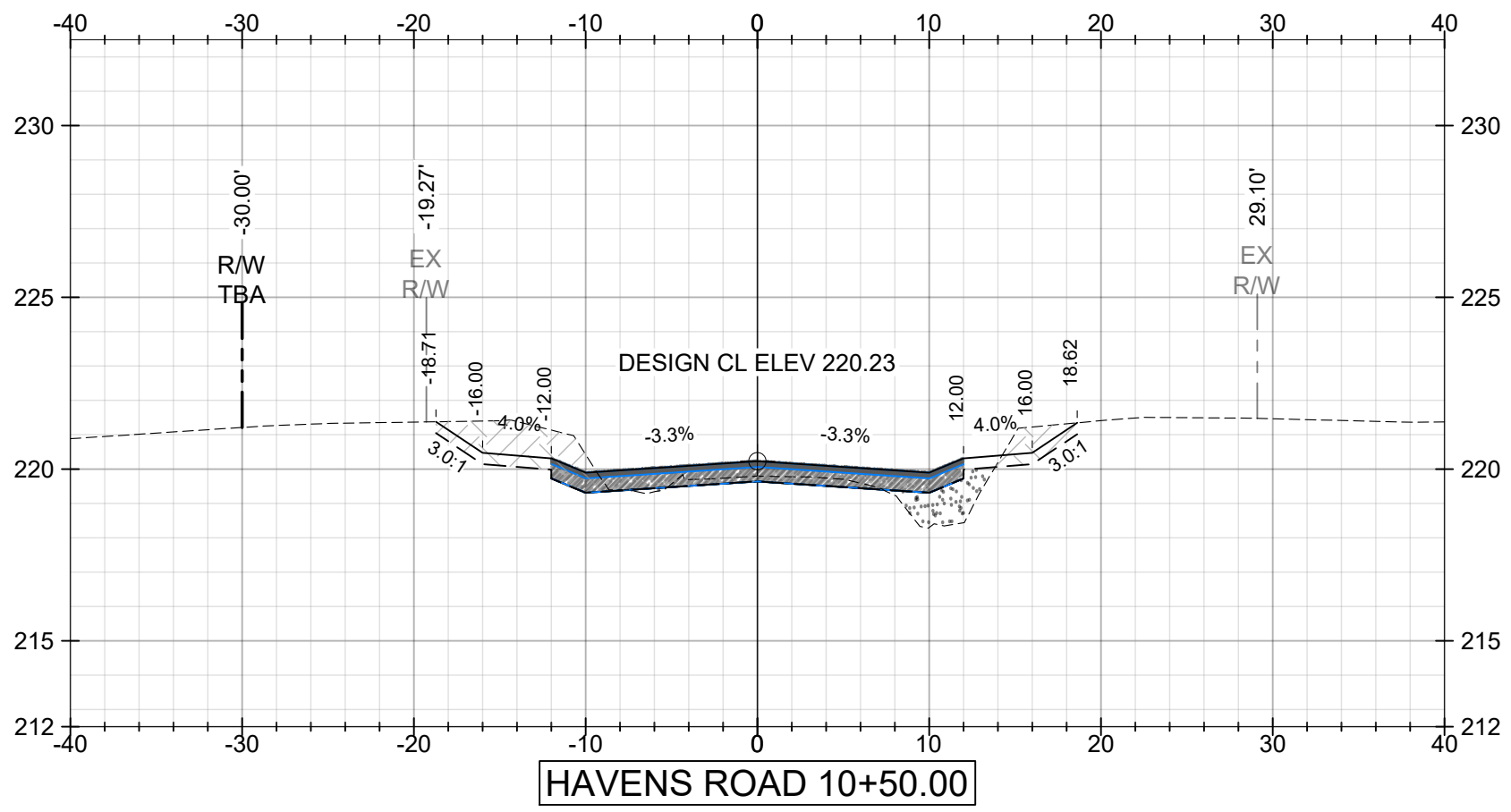
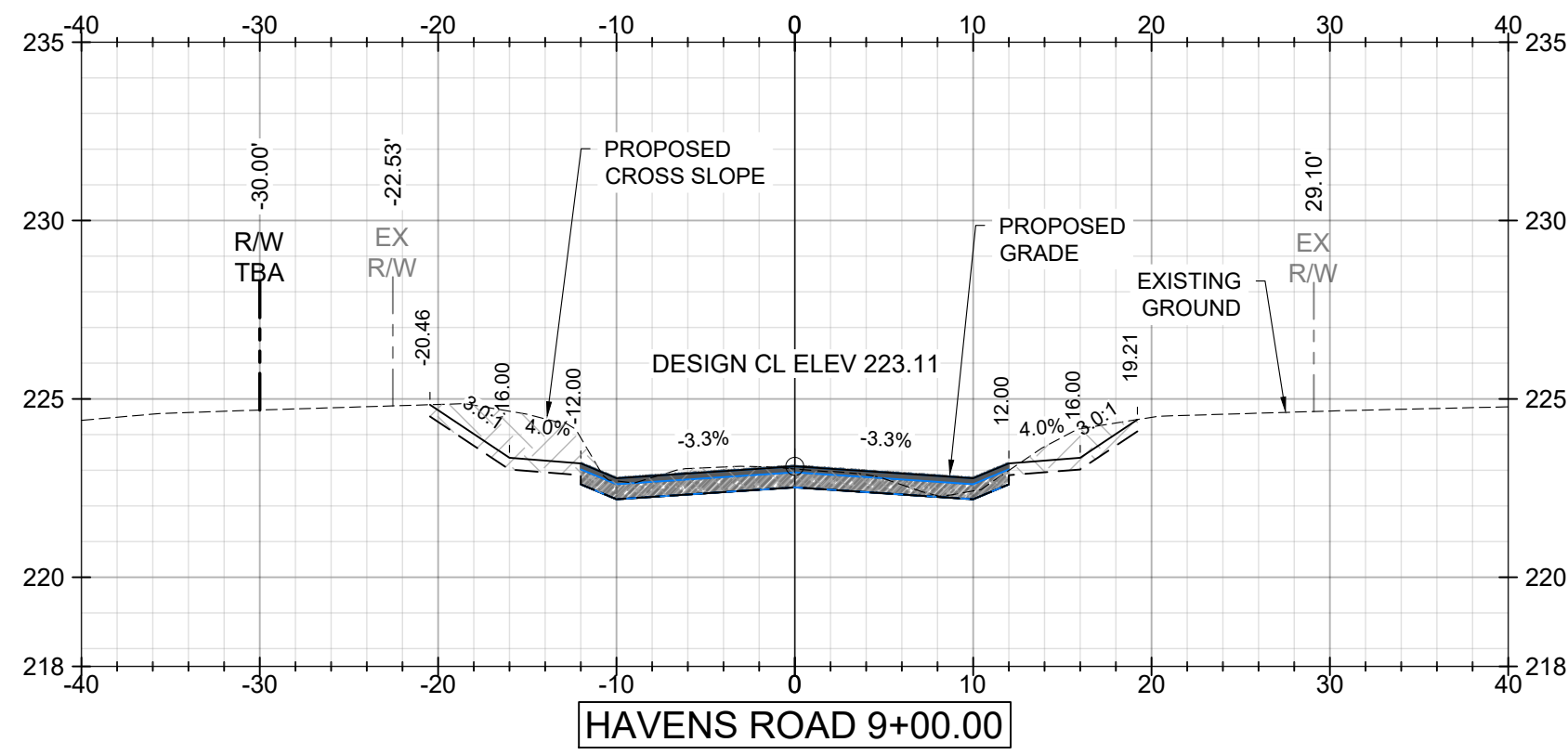
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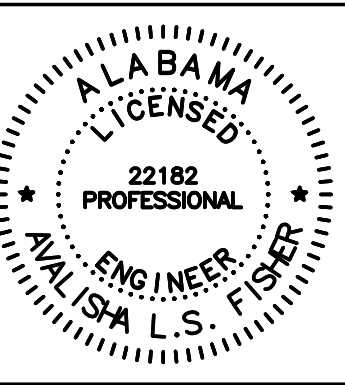
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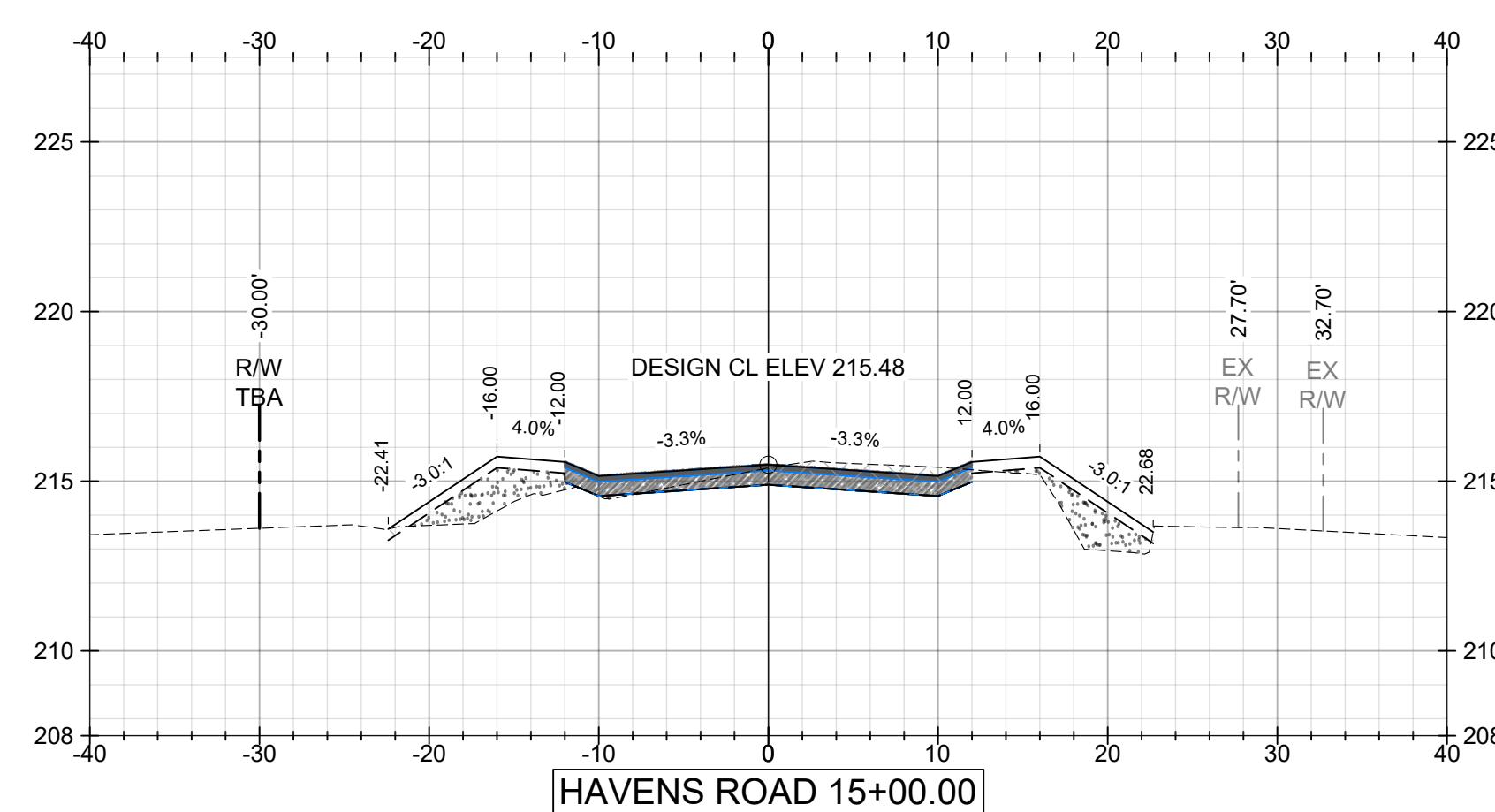
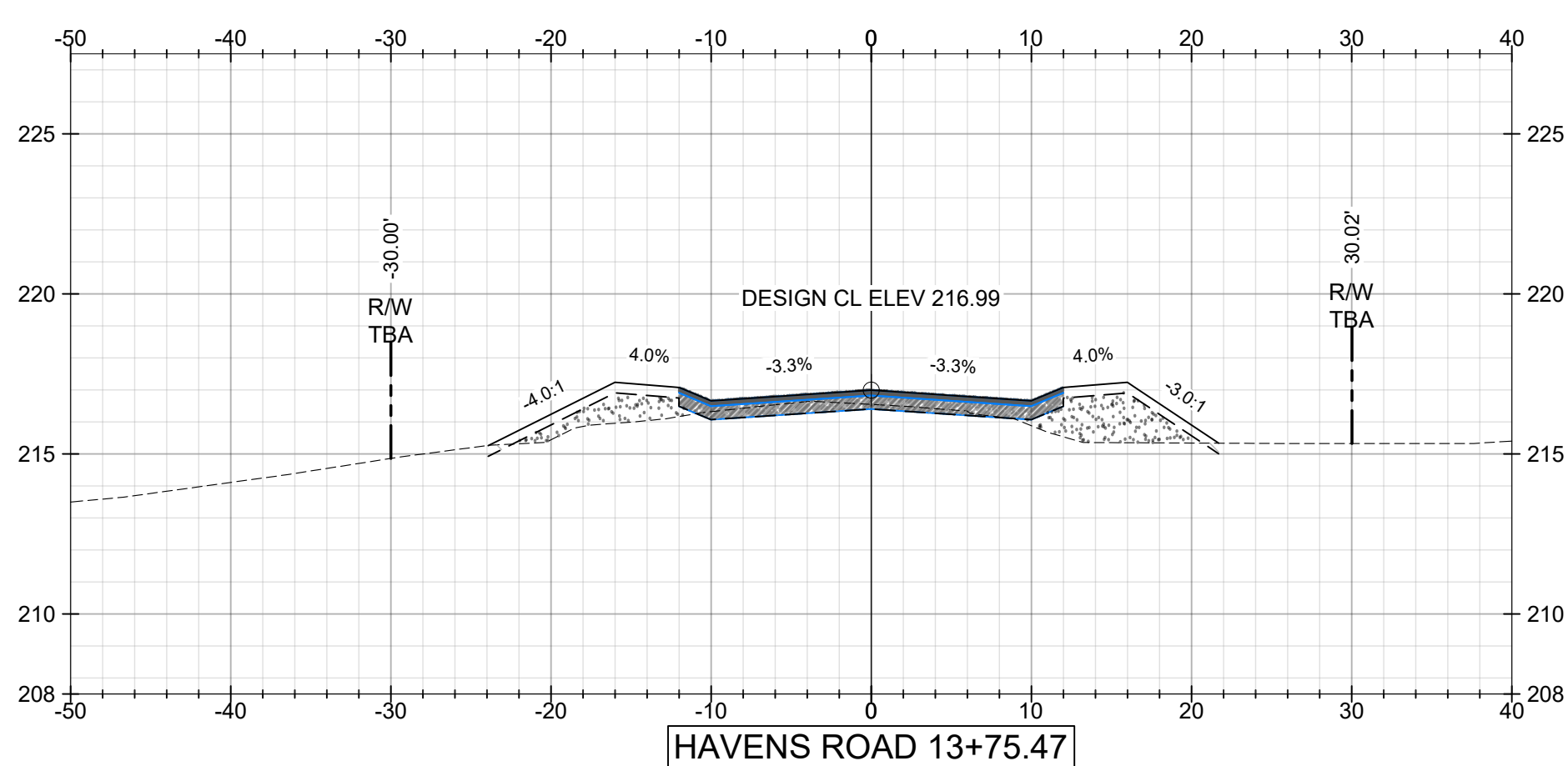
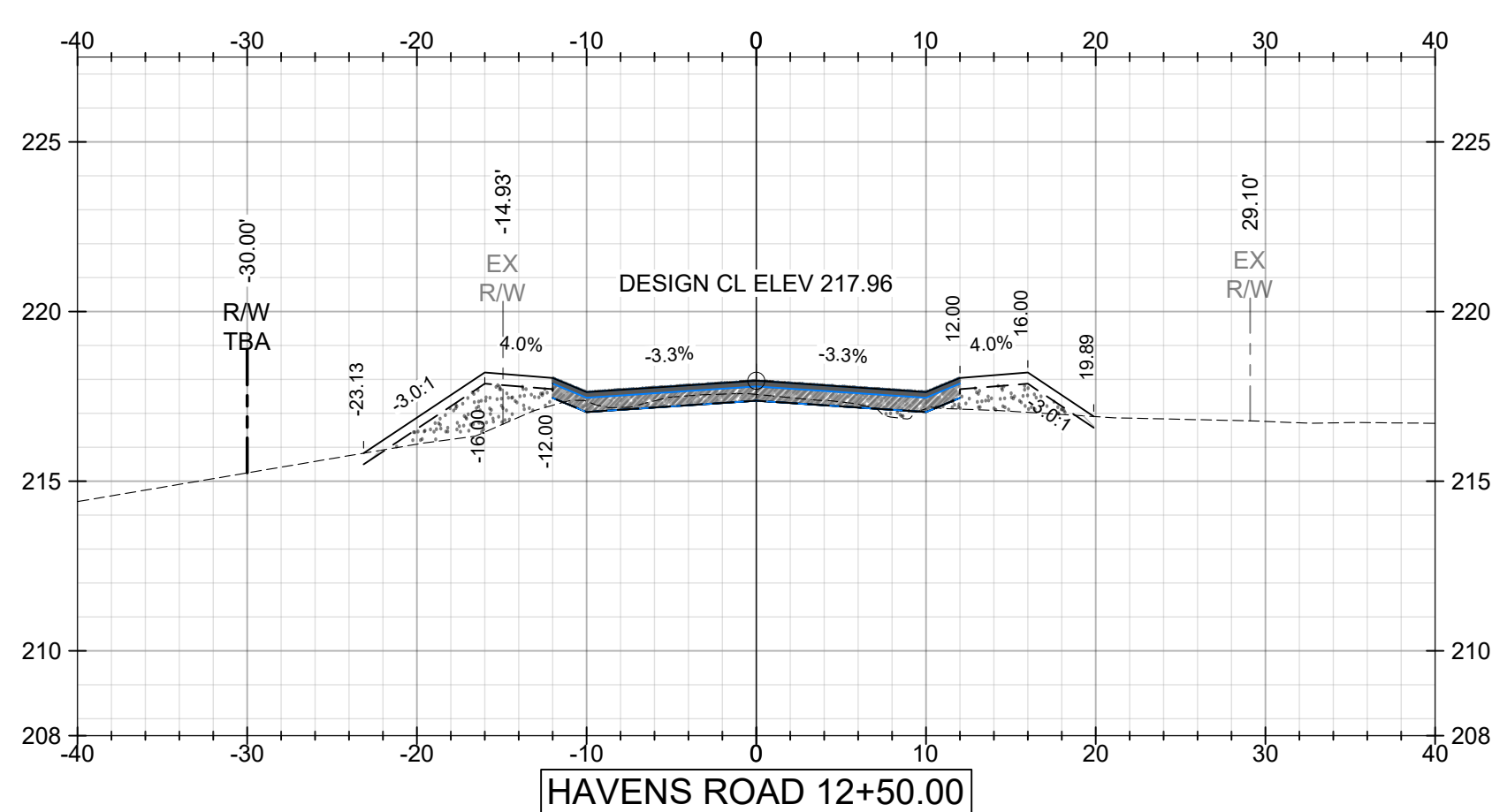
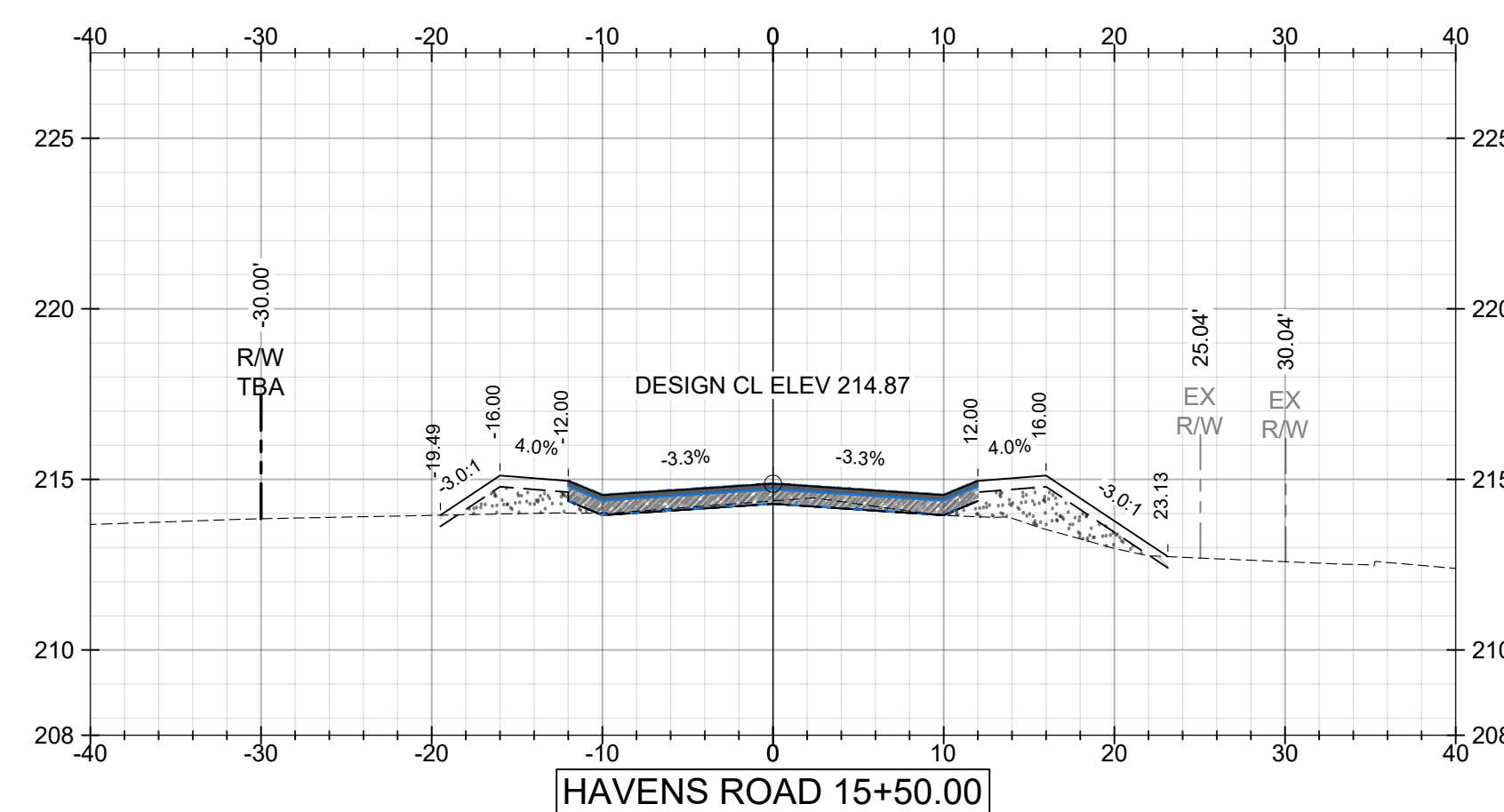
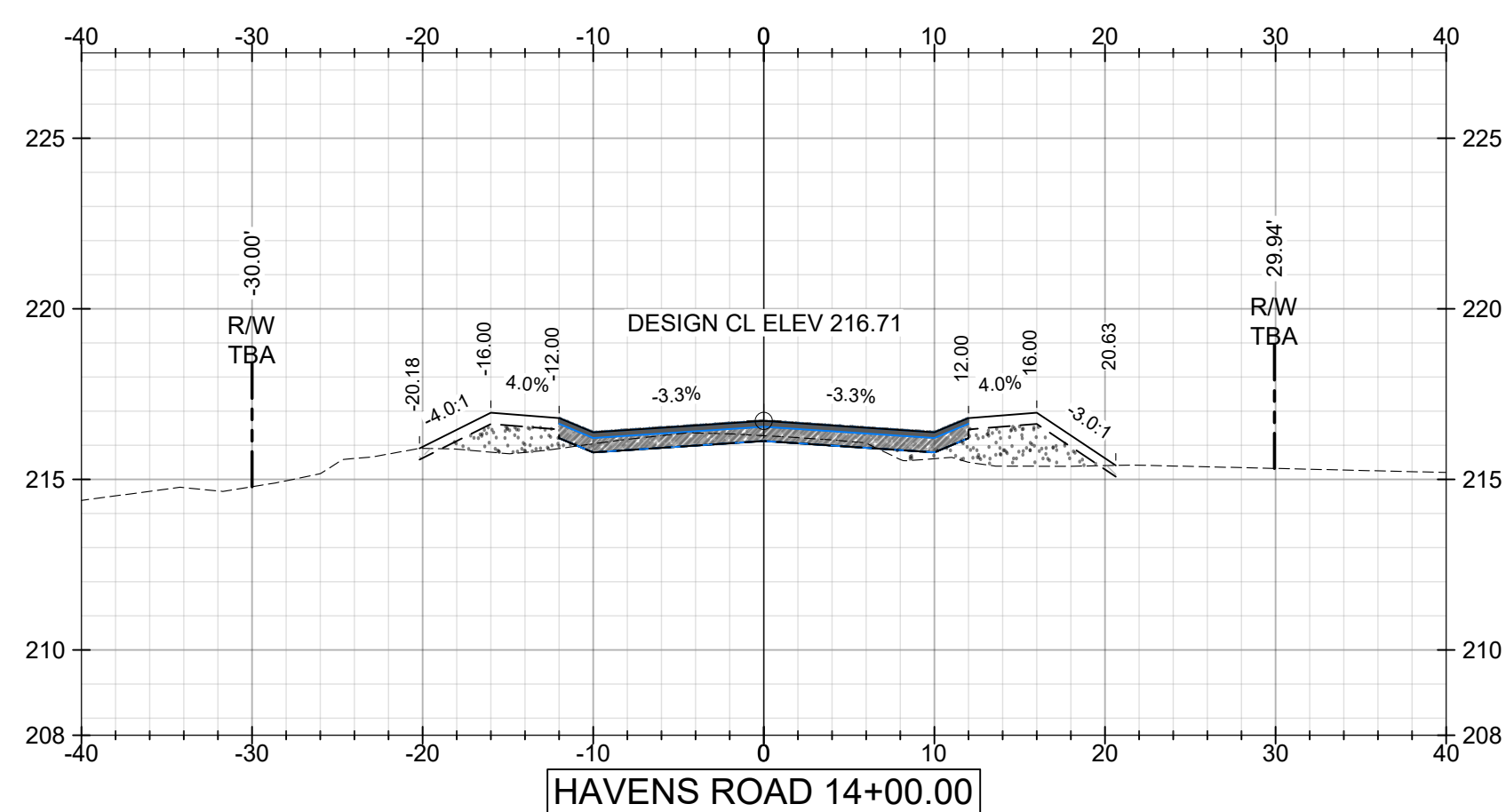
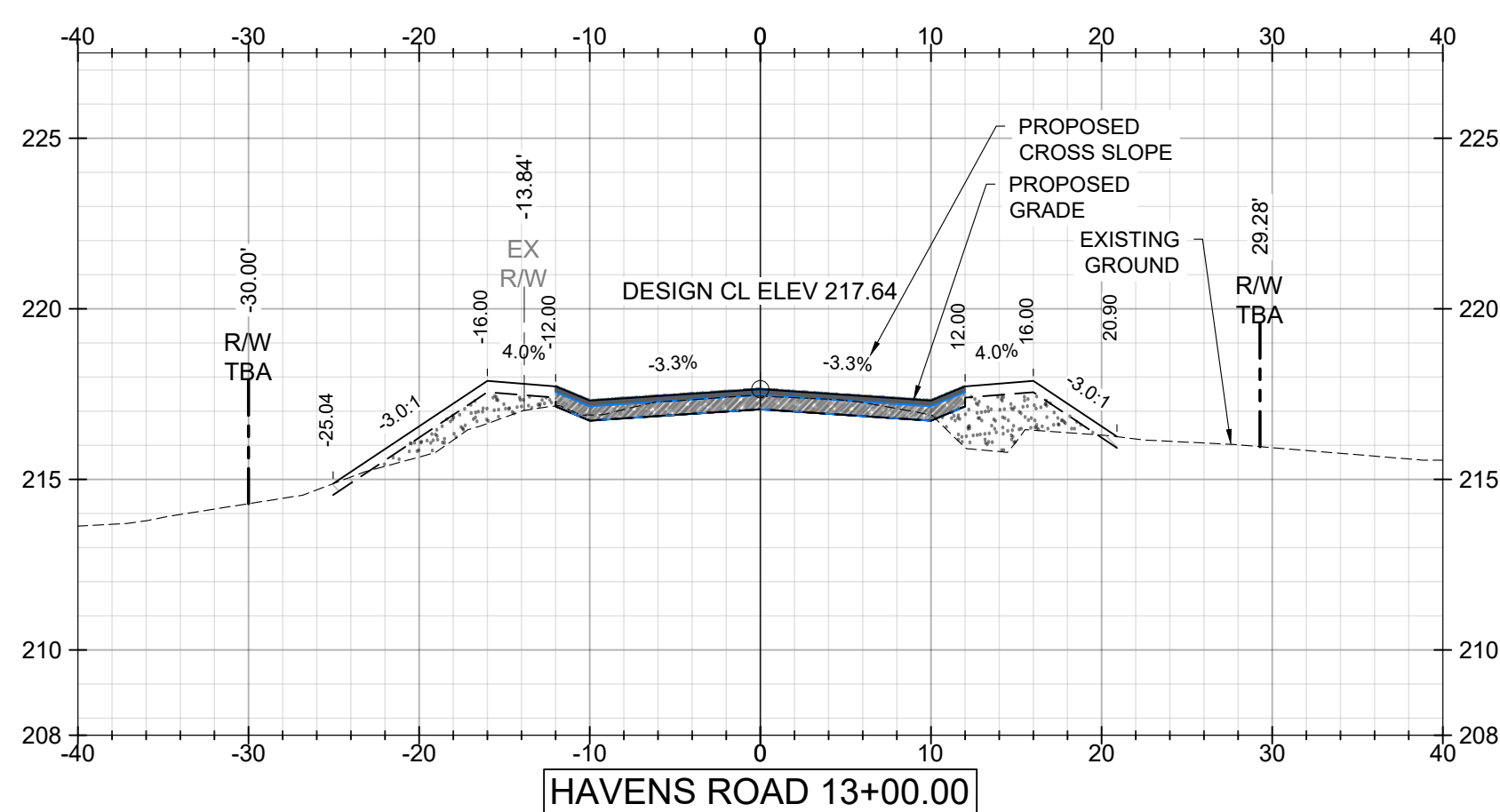
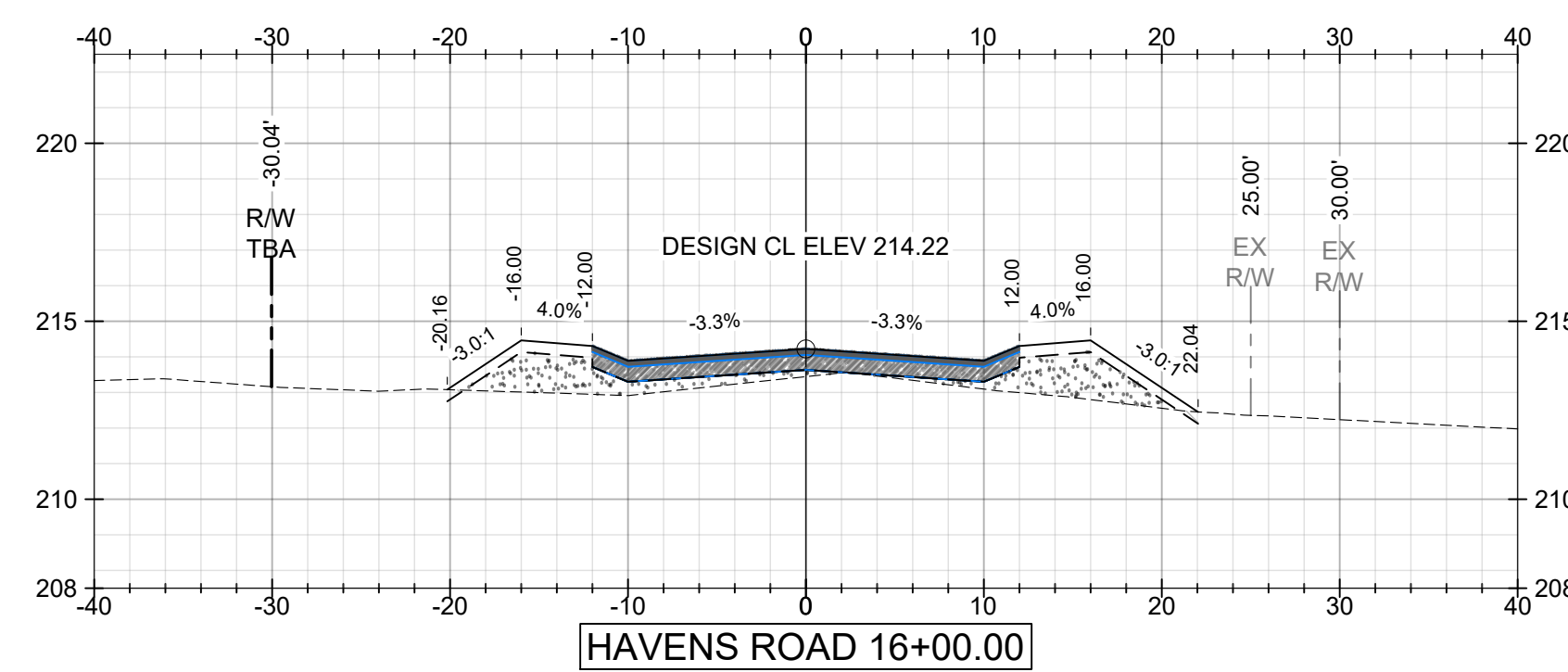
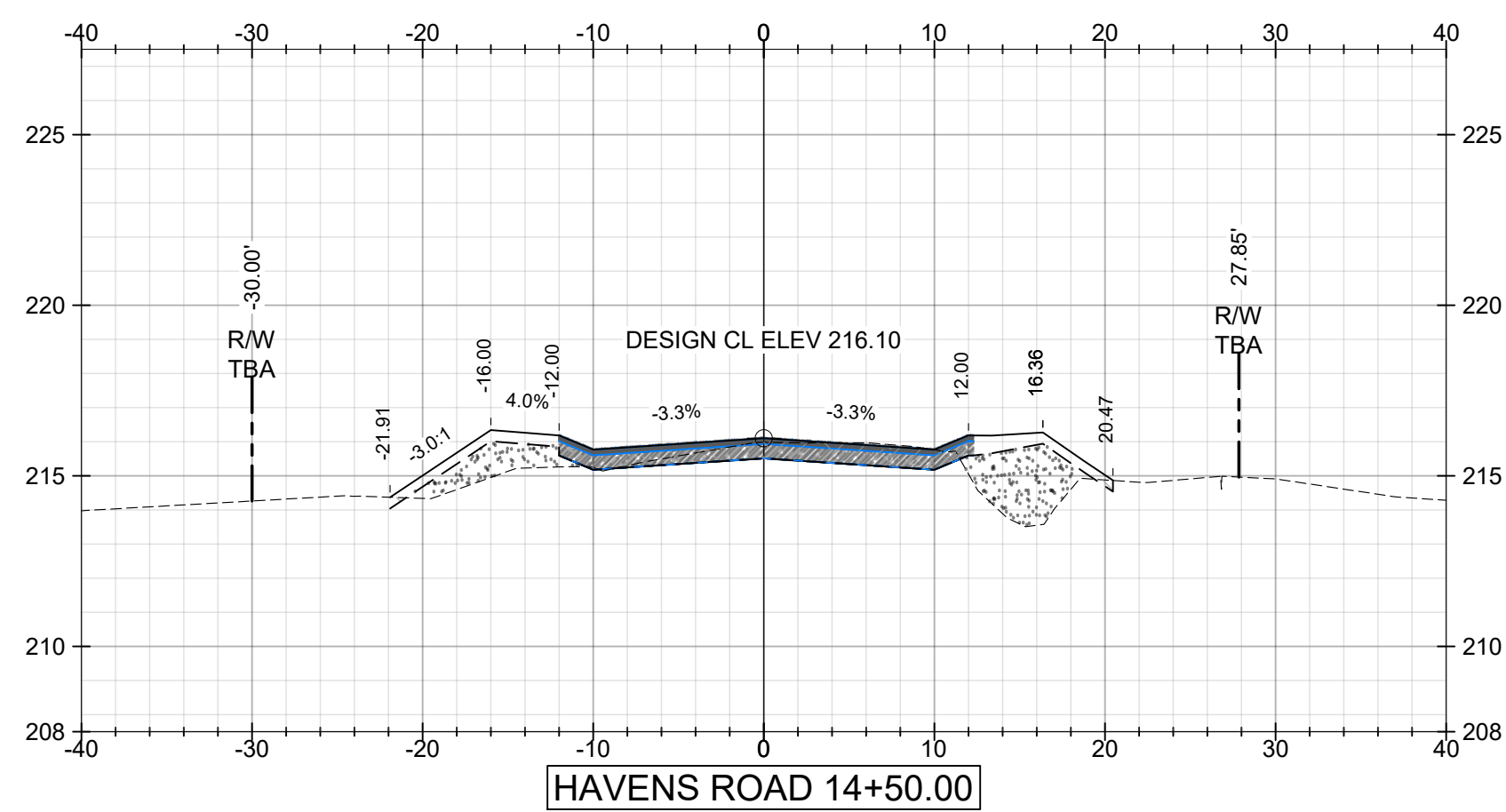


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TITLE:
MCR-2018-205
BARLOW RD AND HAVENS RD
HAVENS CROSS SECTIONS
SHEET 3 OF 10

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DRAWING NUMBER C19	TOTAL SHEETS 34	REVISION 0



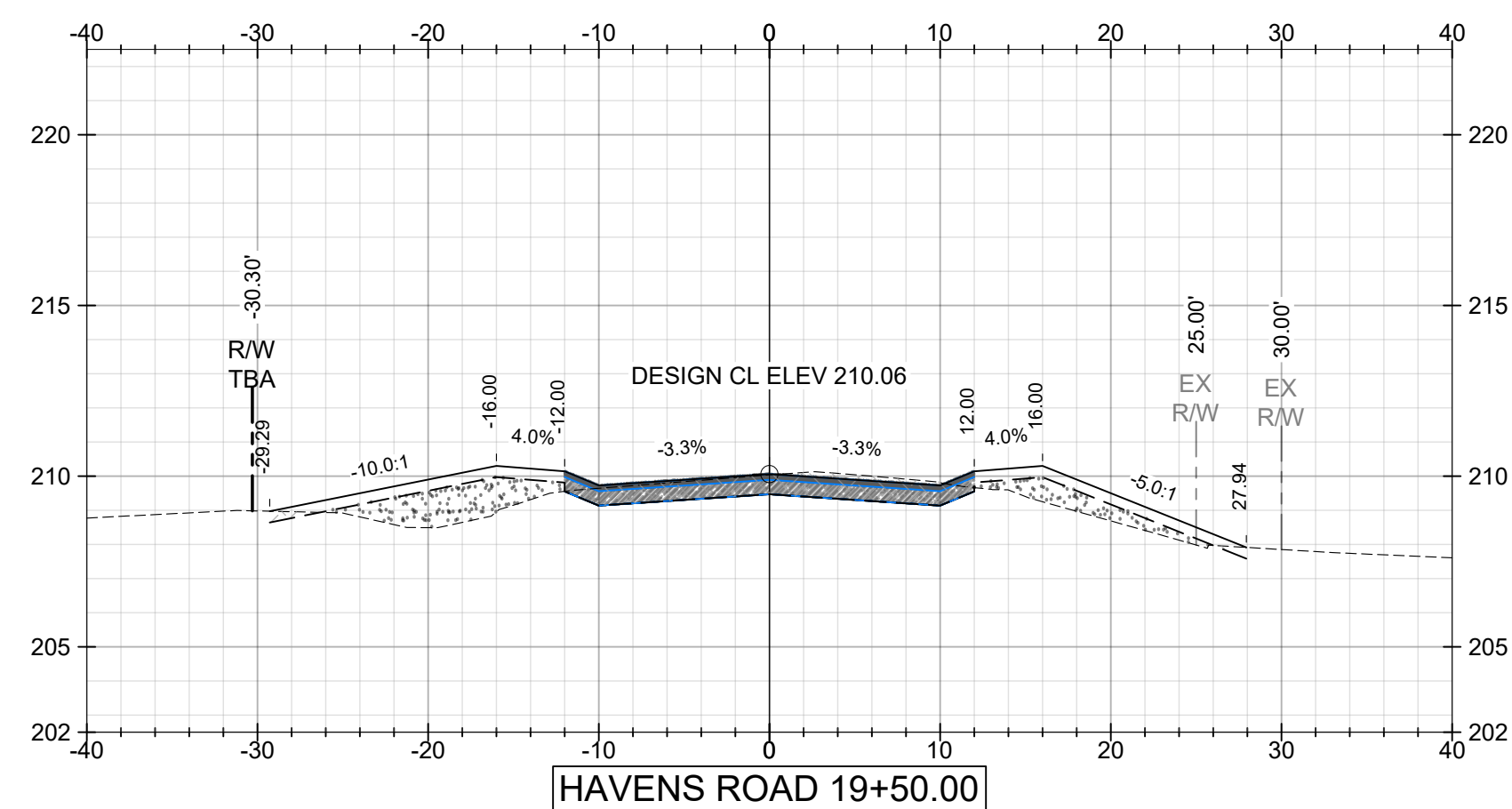
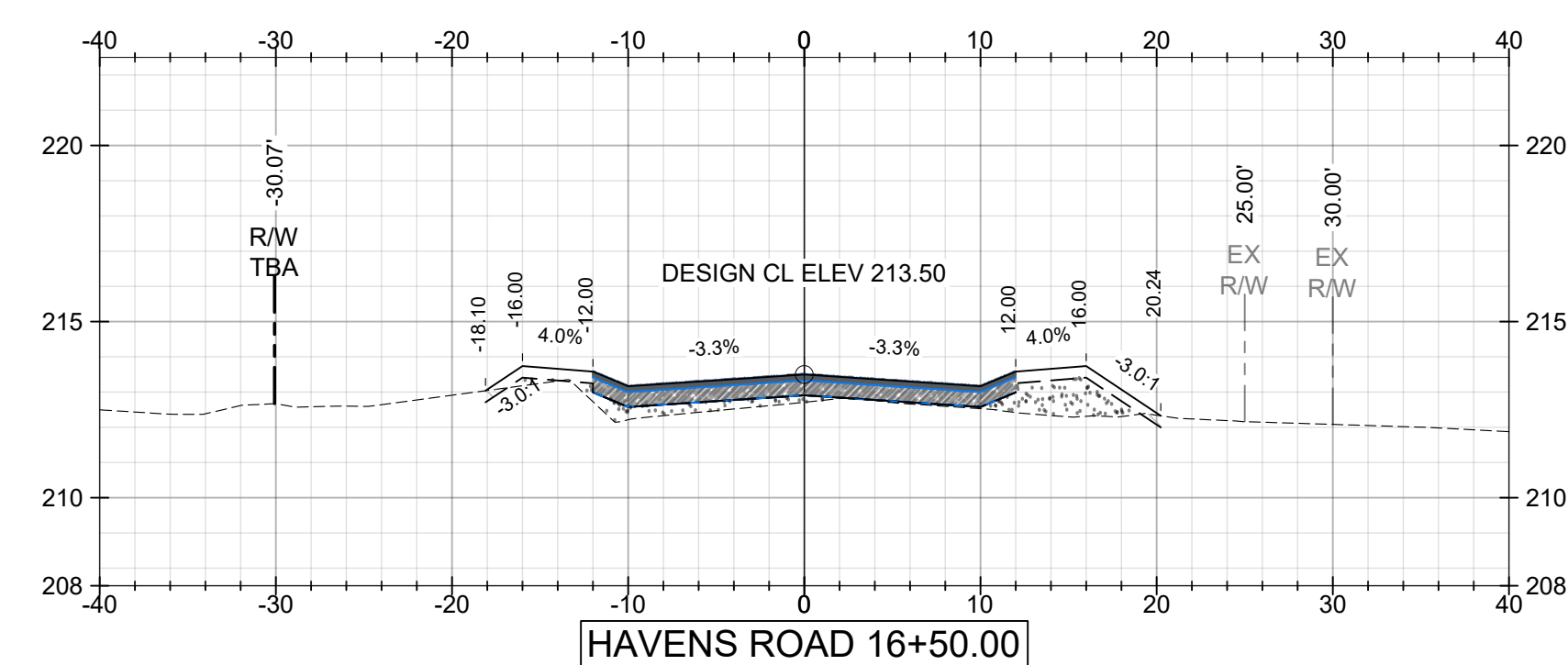
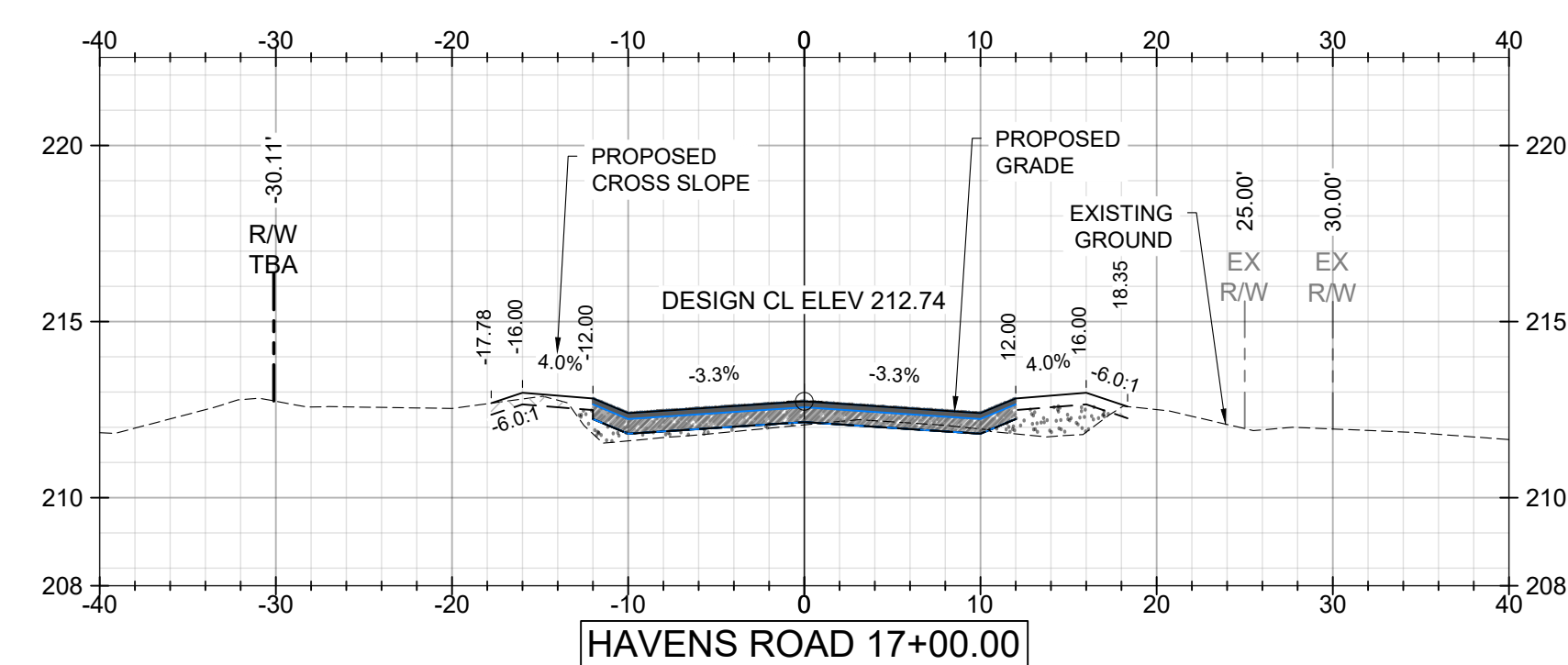
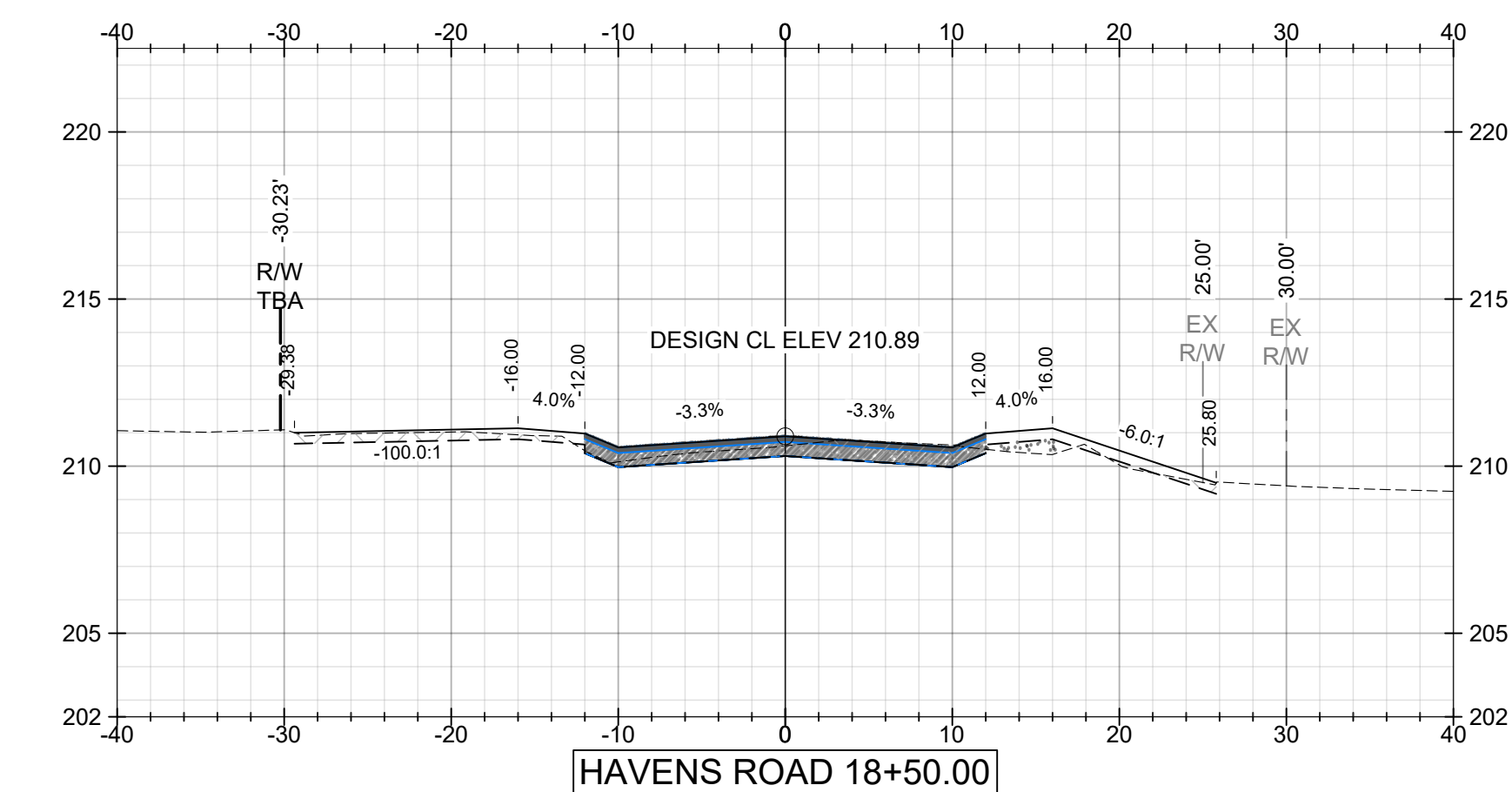
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MCR-2018-205
BARLOW RD AND HAVENS RD
HAVENS CROSS SECTIONS
SHEET 4 OF 10

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DRAWING NUMBER C20	TOTAL SHEETS 34	REVISION 0	

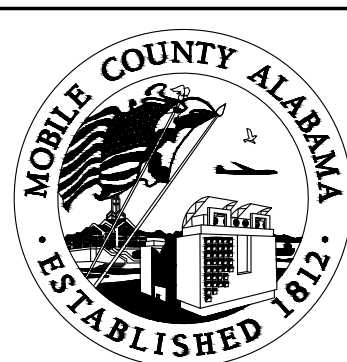


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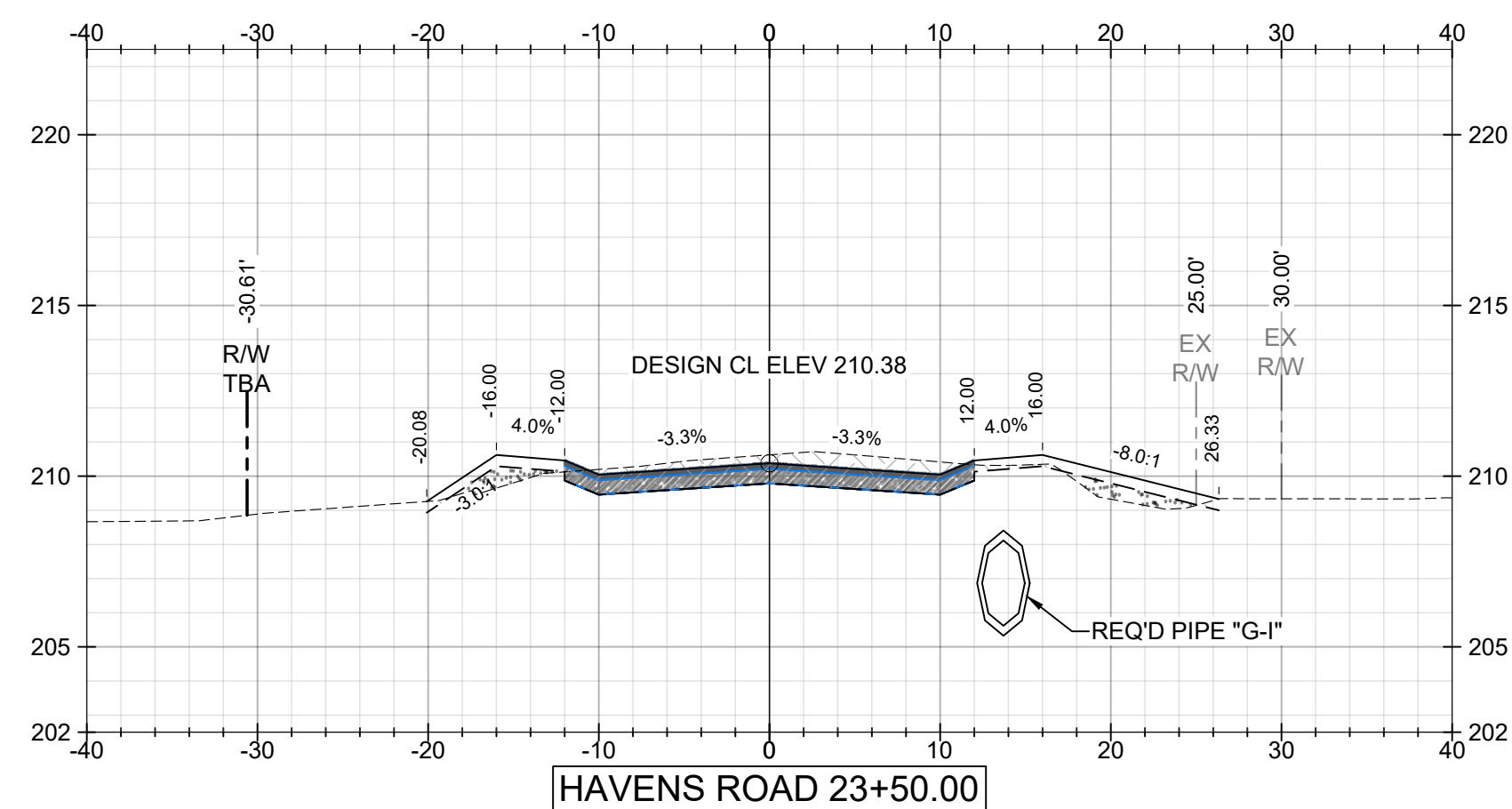
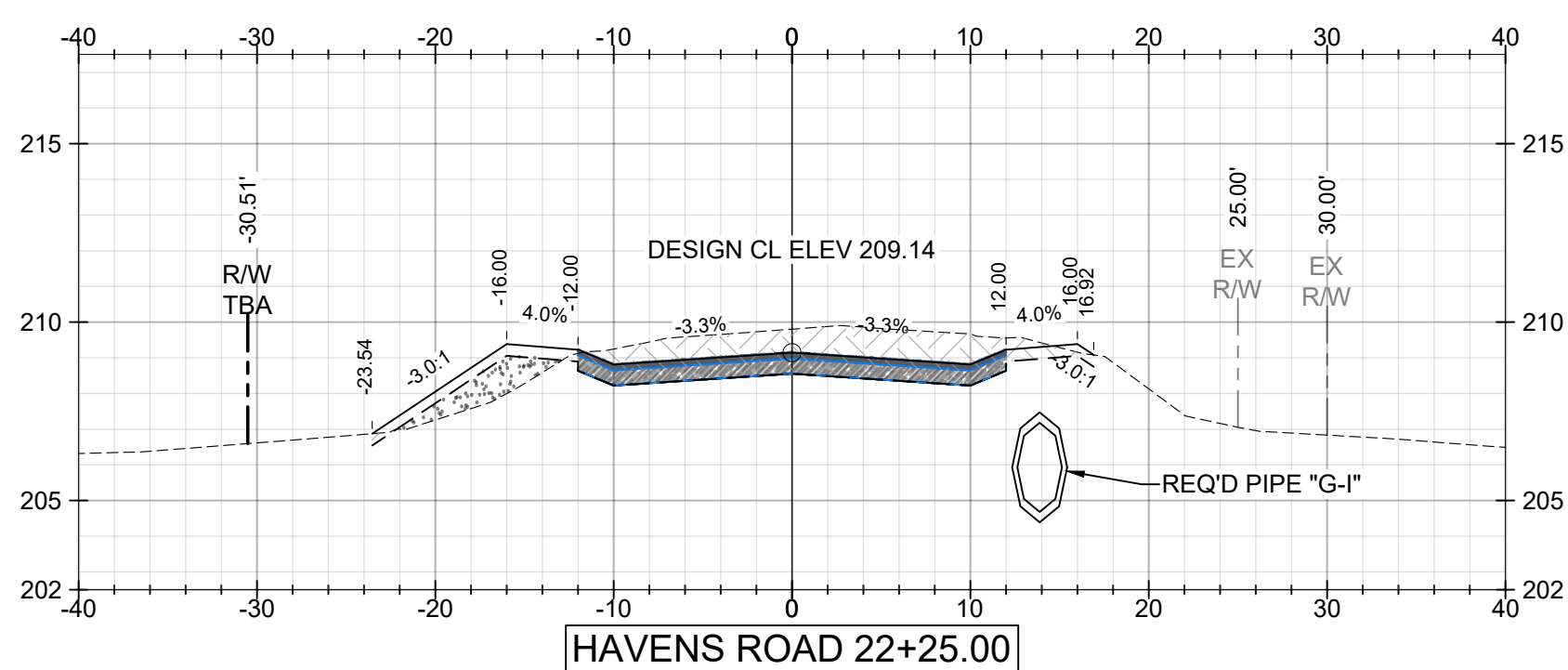
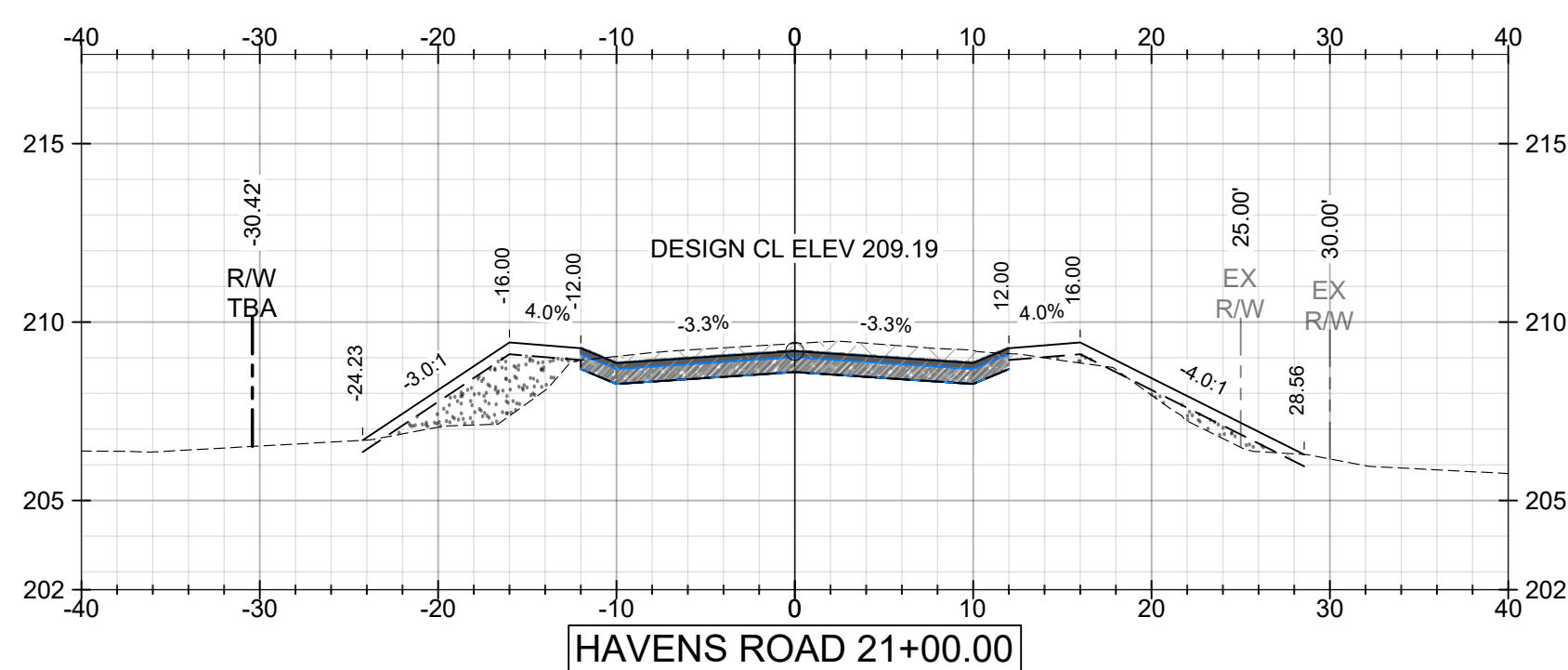
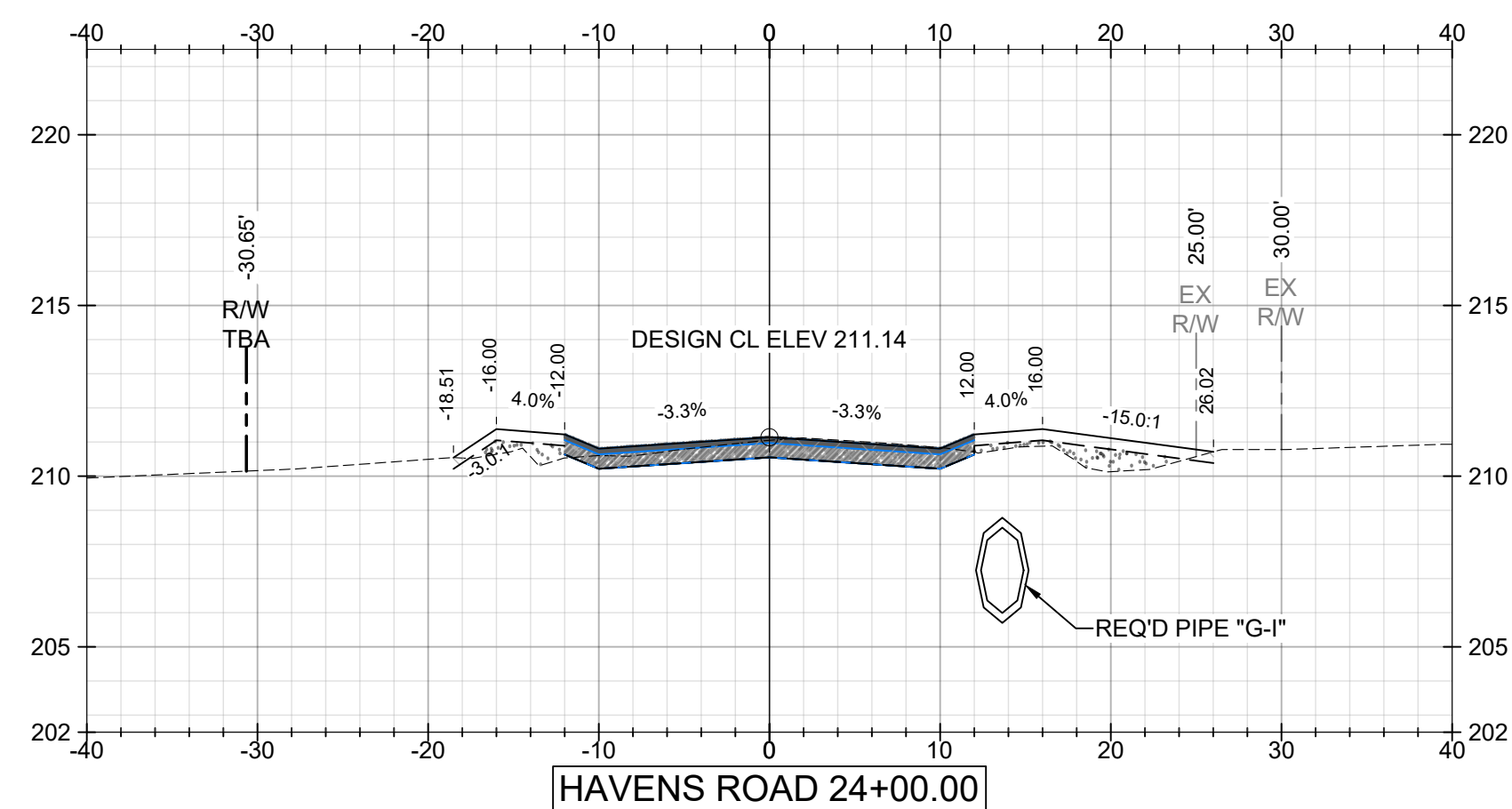
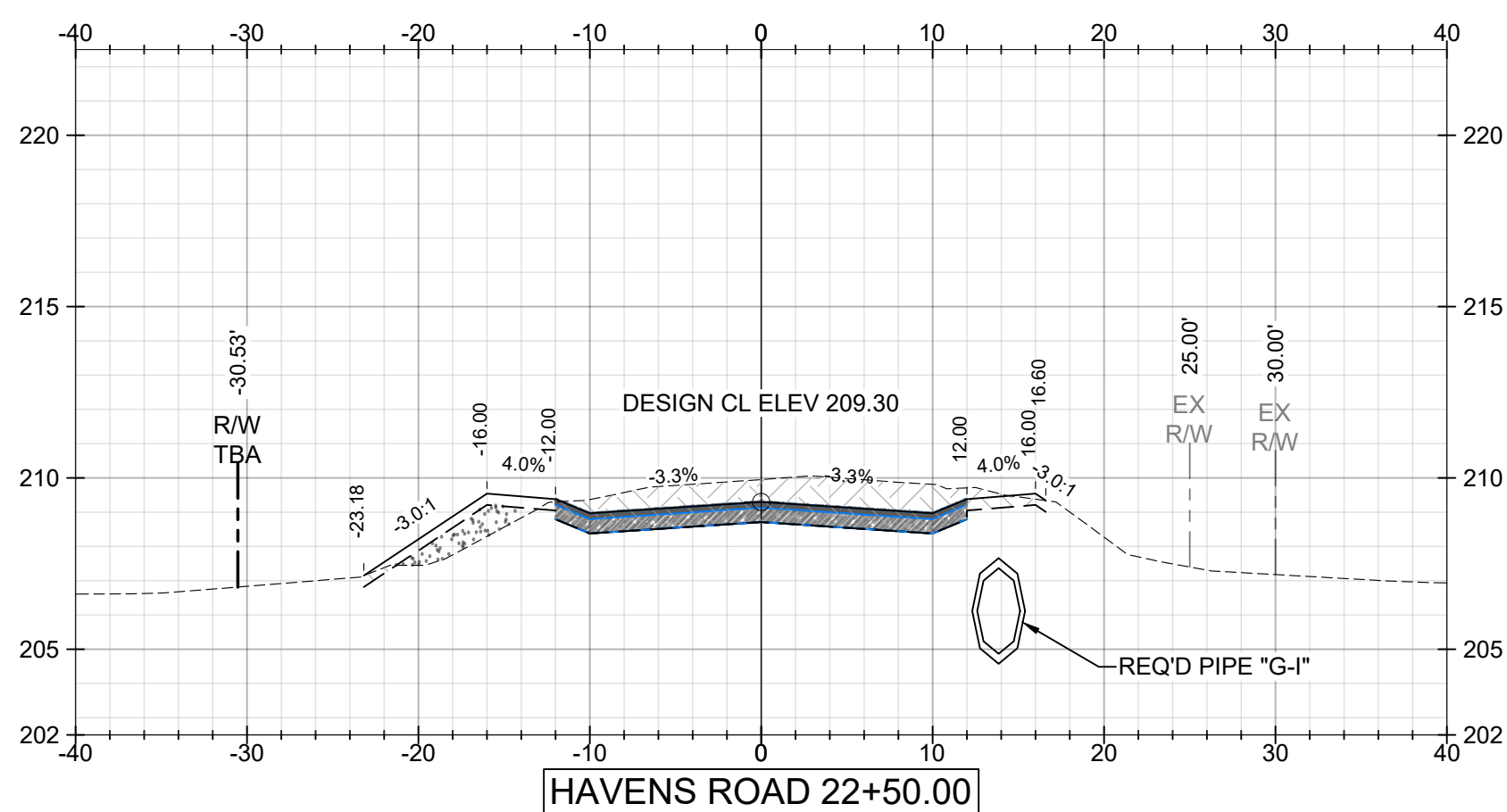
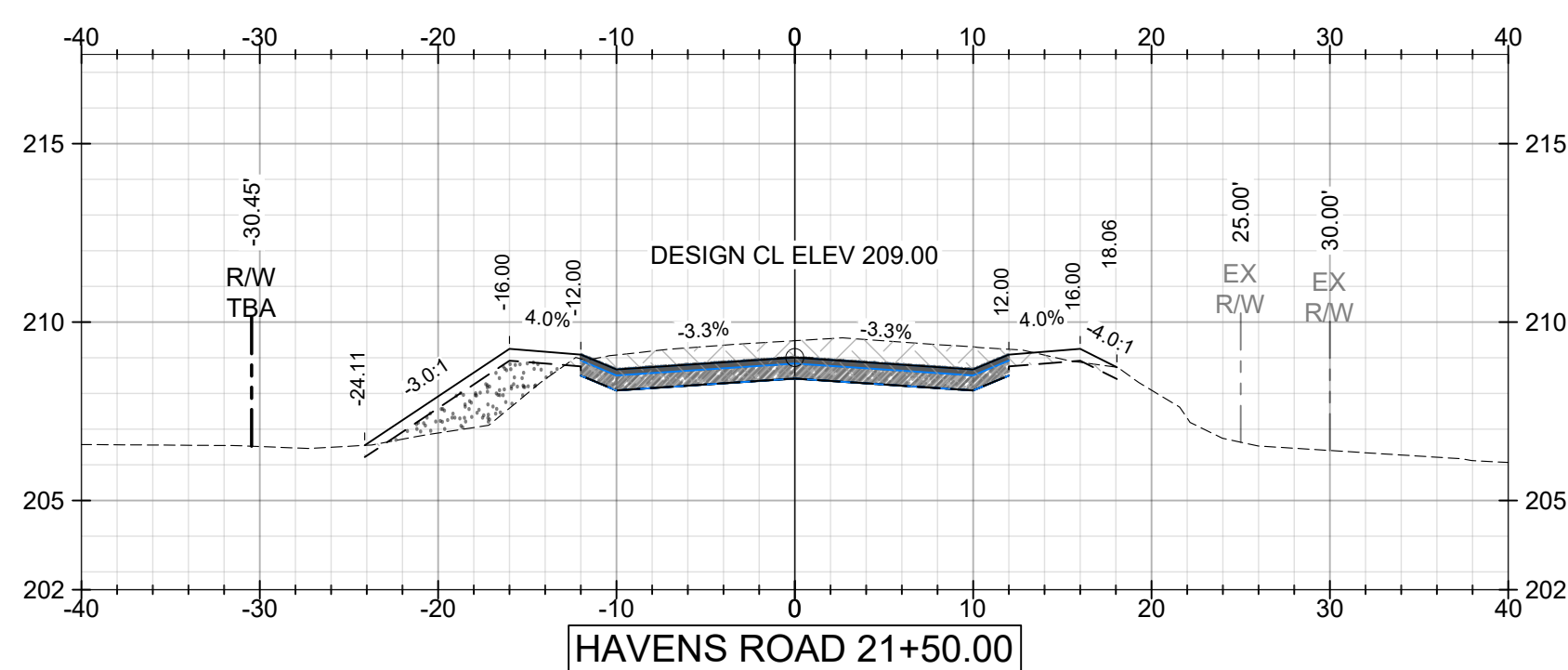
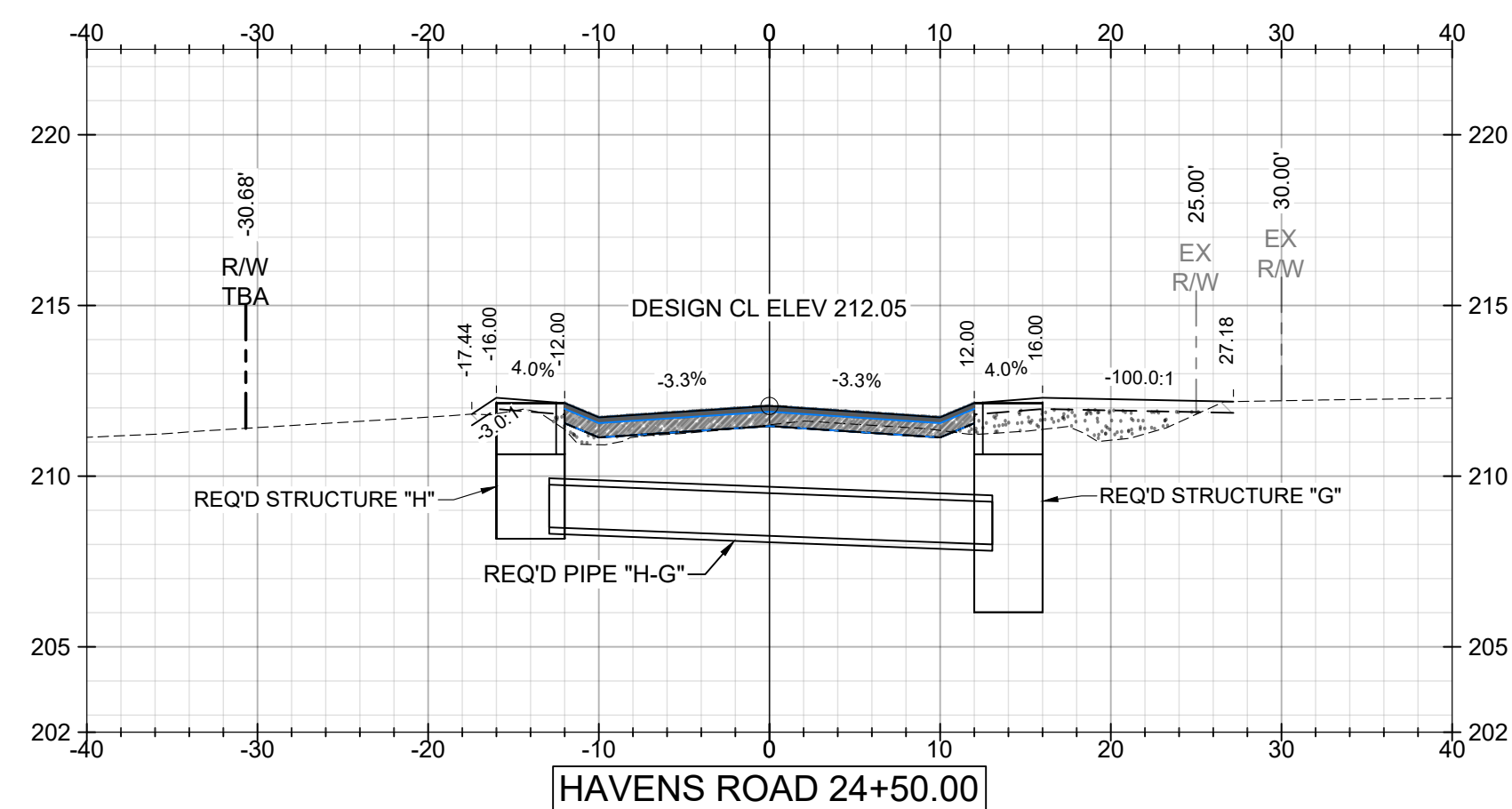
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DRAWING NUMBER C21	TOTAL SHEETS 34	REVISION 0



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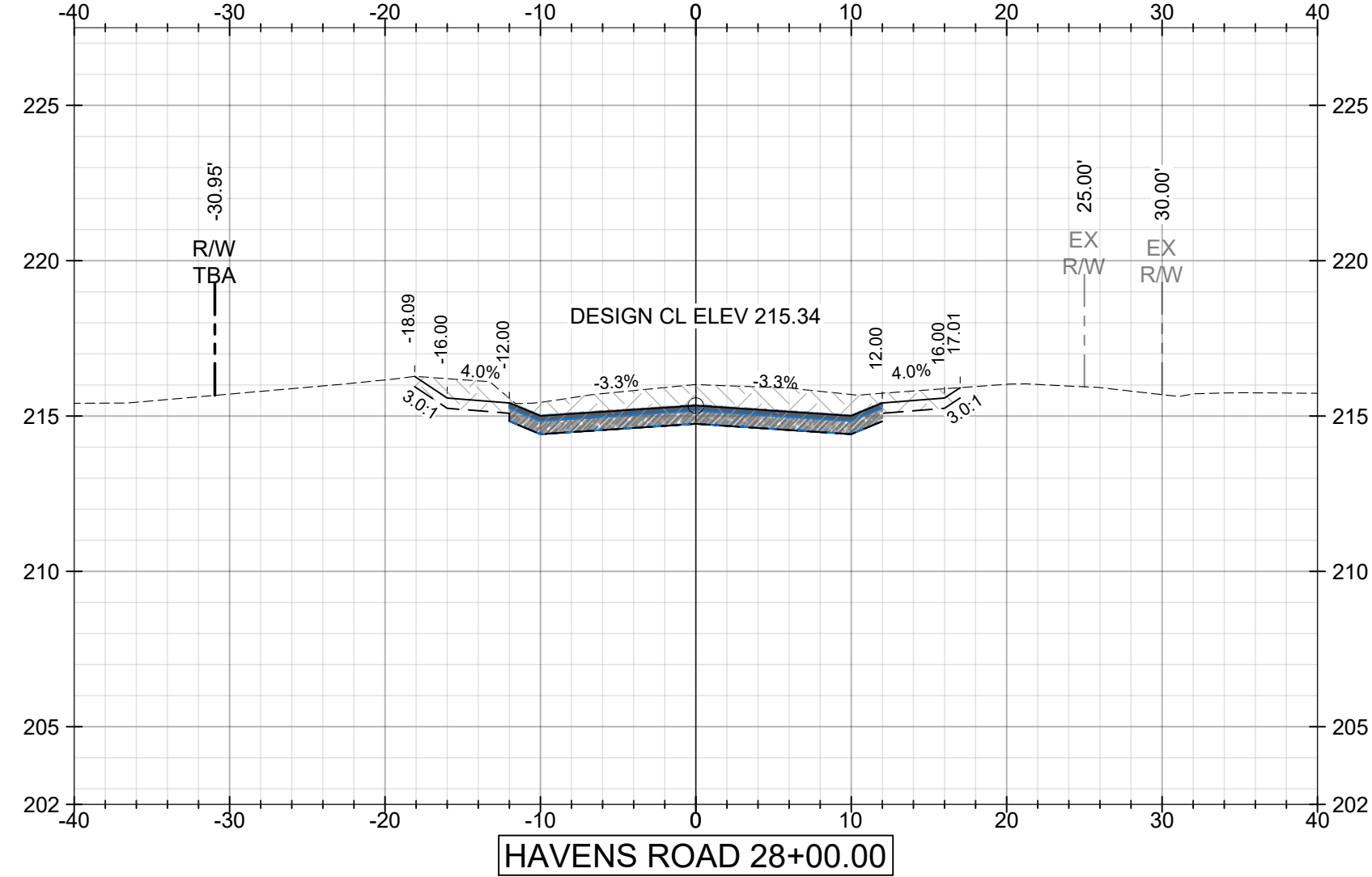
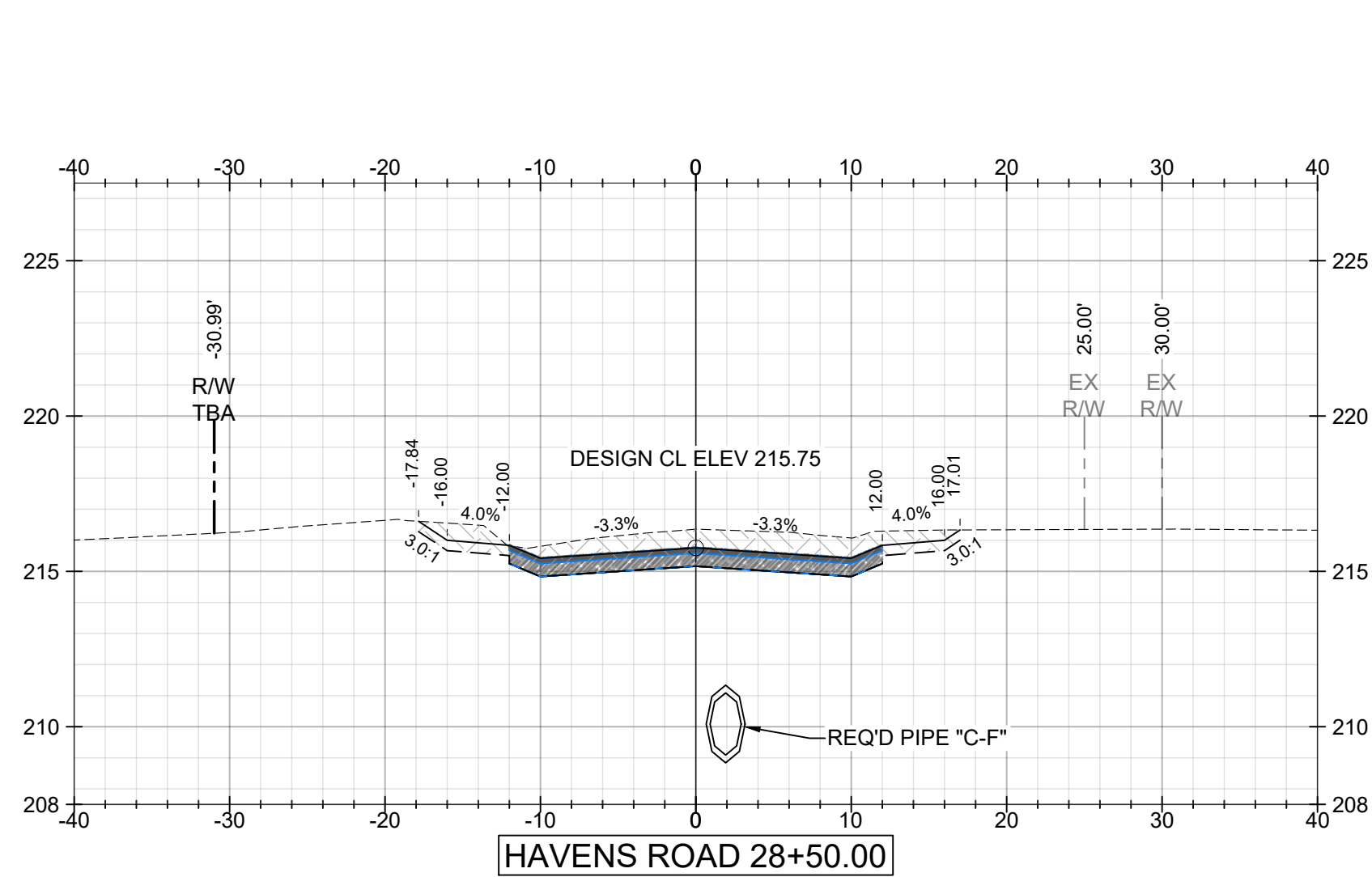
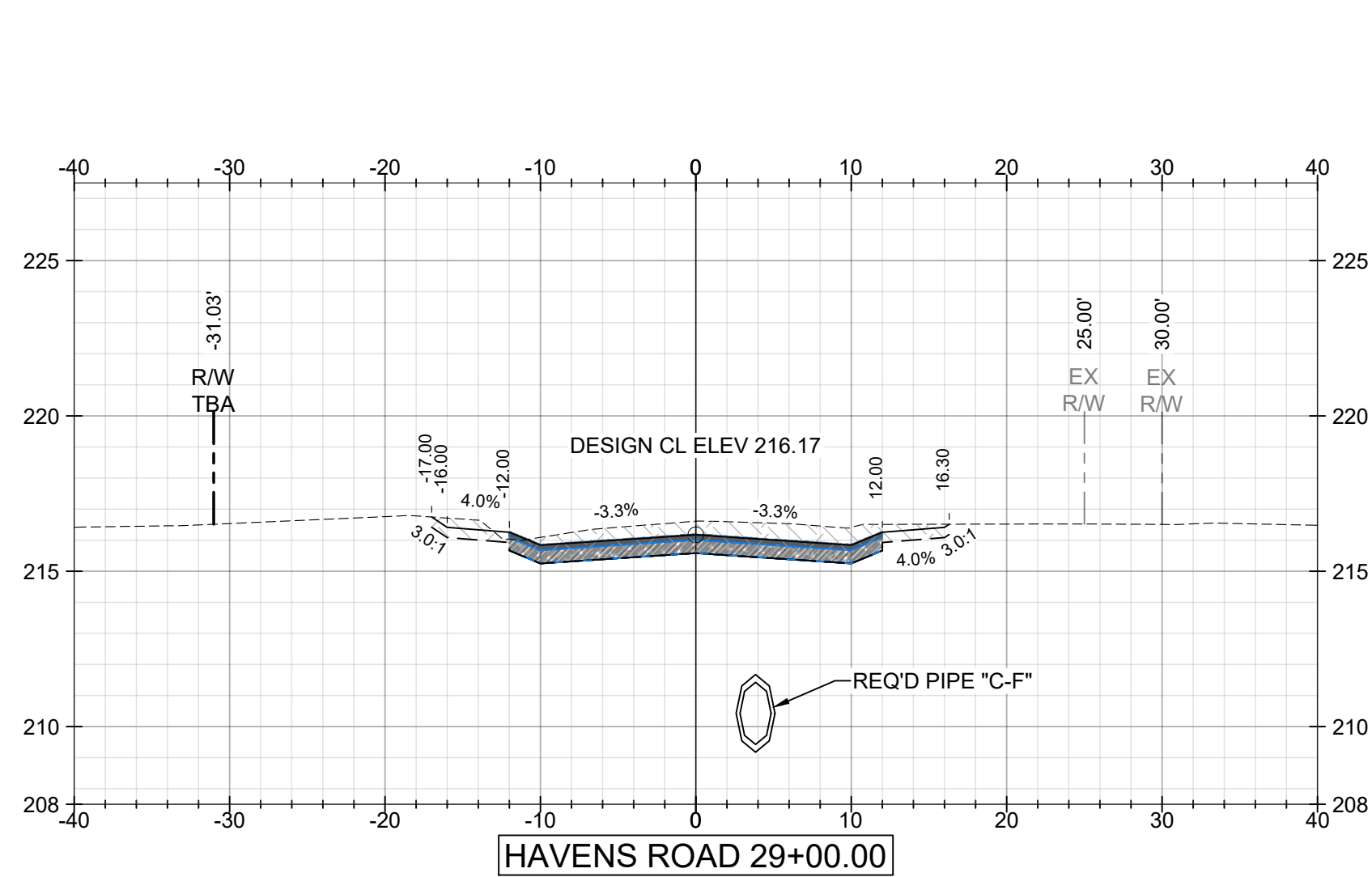
0	05/02/2025	CJF	ALF	ALF

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A circular professional seal for Alisha L.S. Fisher, an Alabama Licensed Professional Engineer. The seal features the text "ALABAMA LICENSED" at the top, "22182 PROFESSIONAL" in the center, and "ENGINEER" at the bottom. The name "ALISHA L.S. FISHER" is written along the bottom inner edge of the seal.

TITLE: MCR-2018-205
BARLOW RD AND HAVENS RD
HAVENS CROSS SECTIONS
SHEET 6 OF 10

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DRAWING NUMBER C22	TOTAL SHEETS 34	REVISION 0



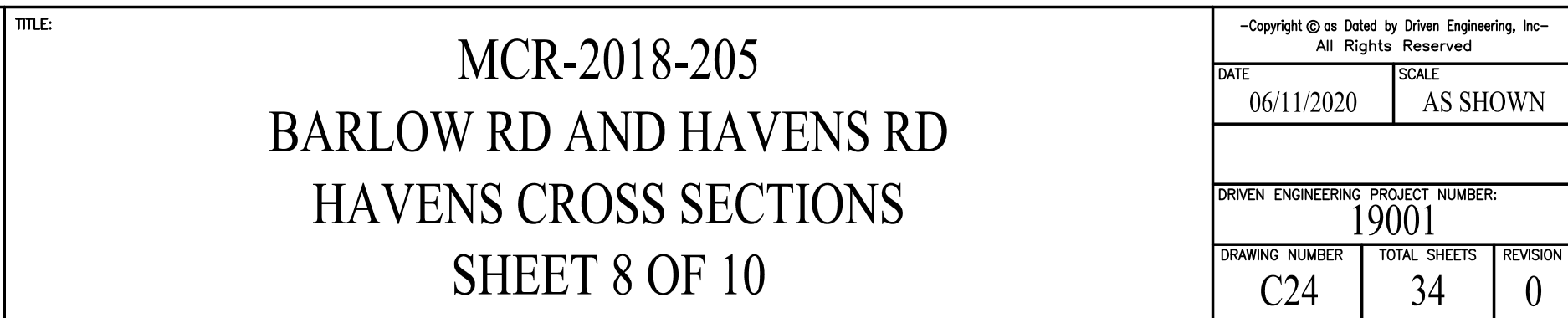
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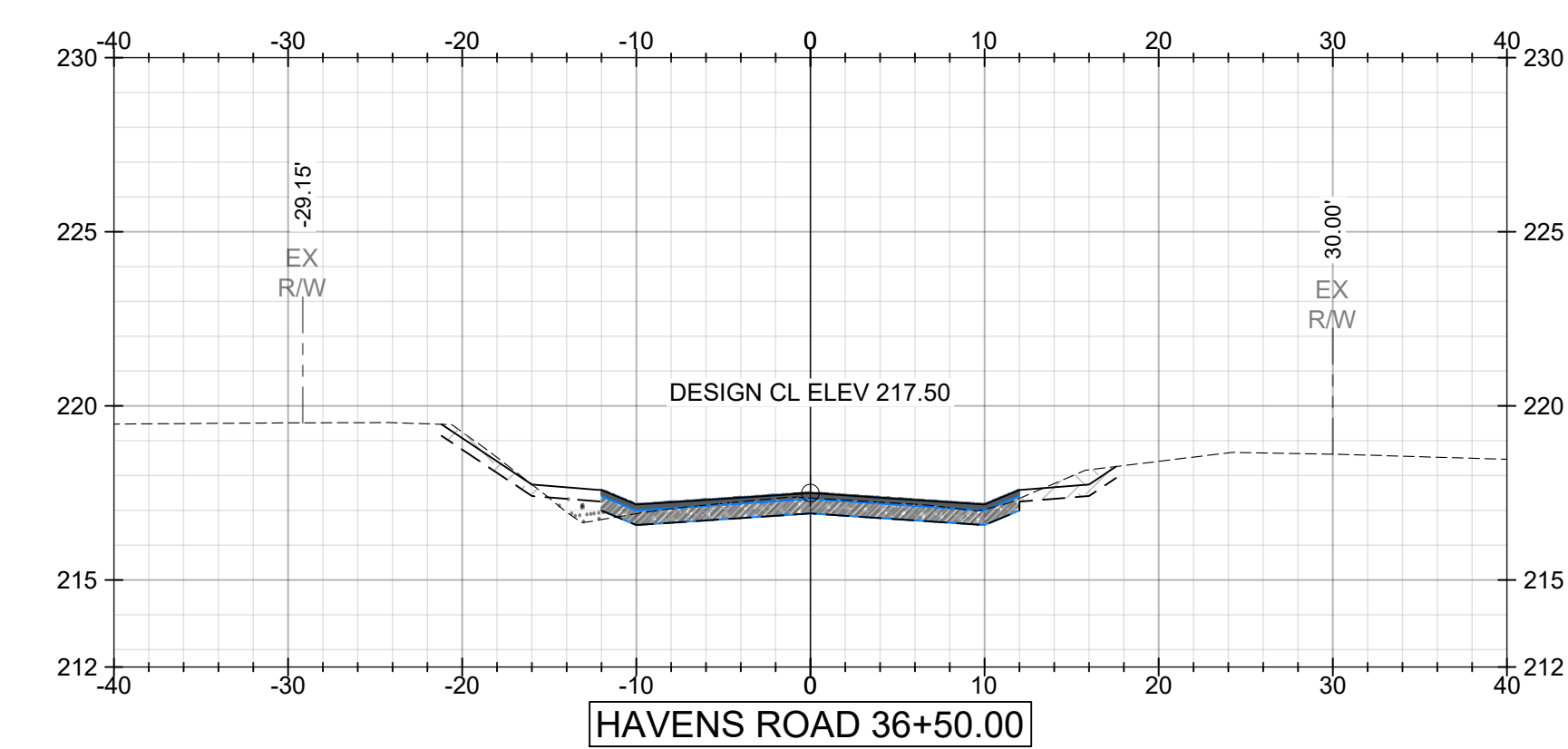
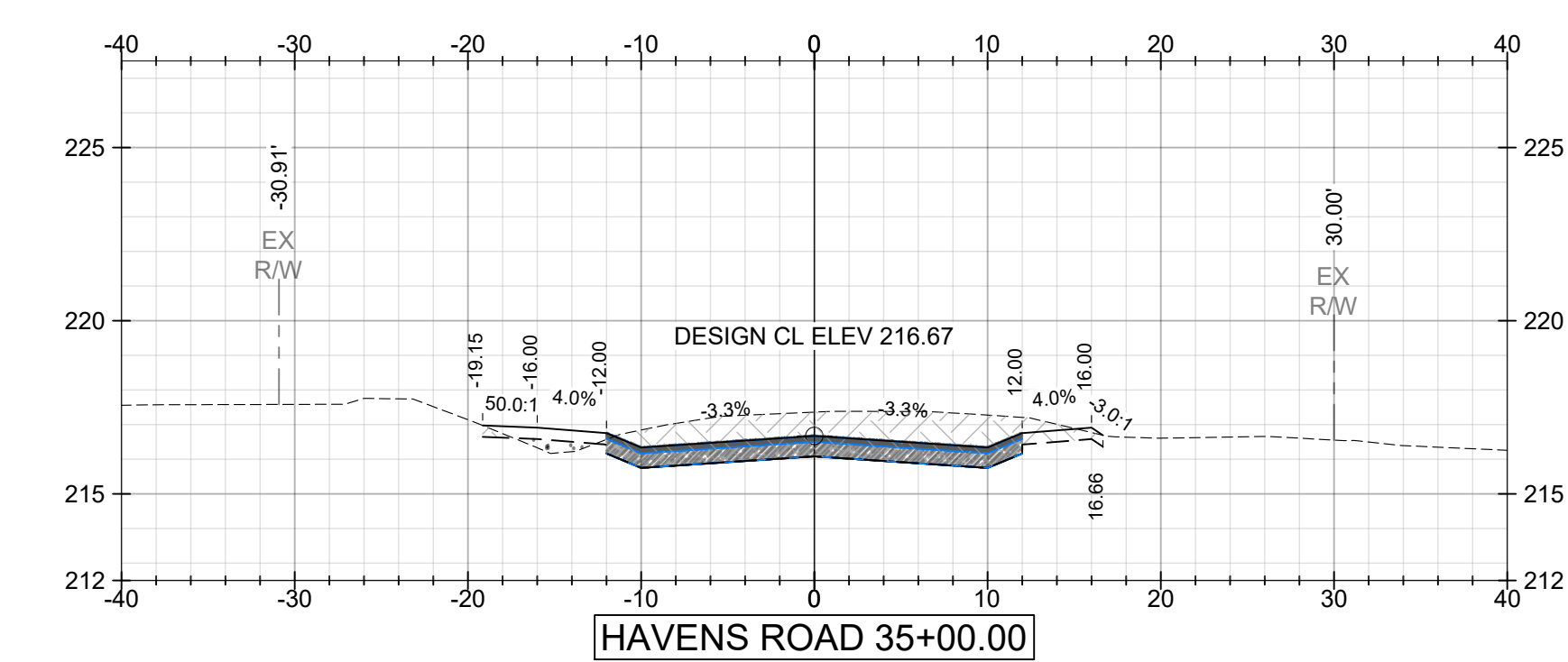
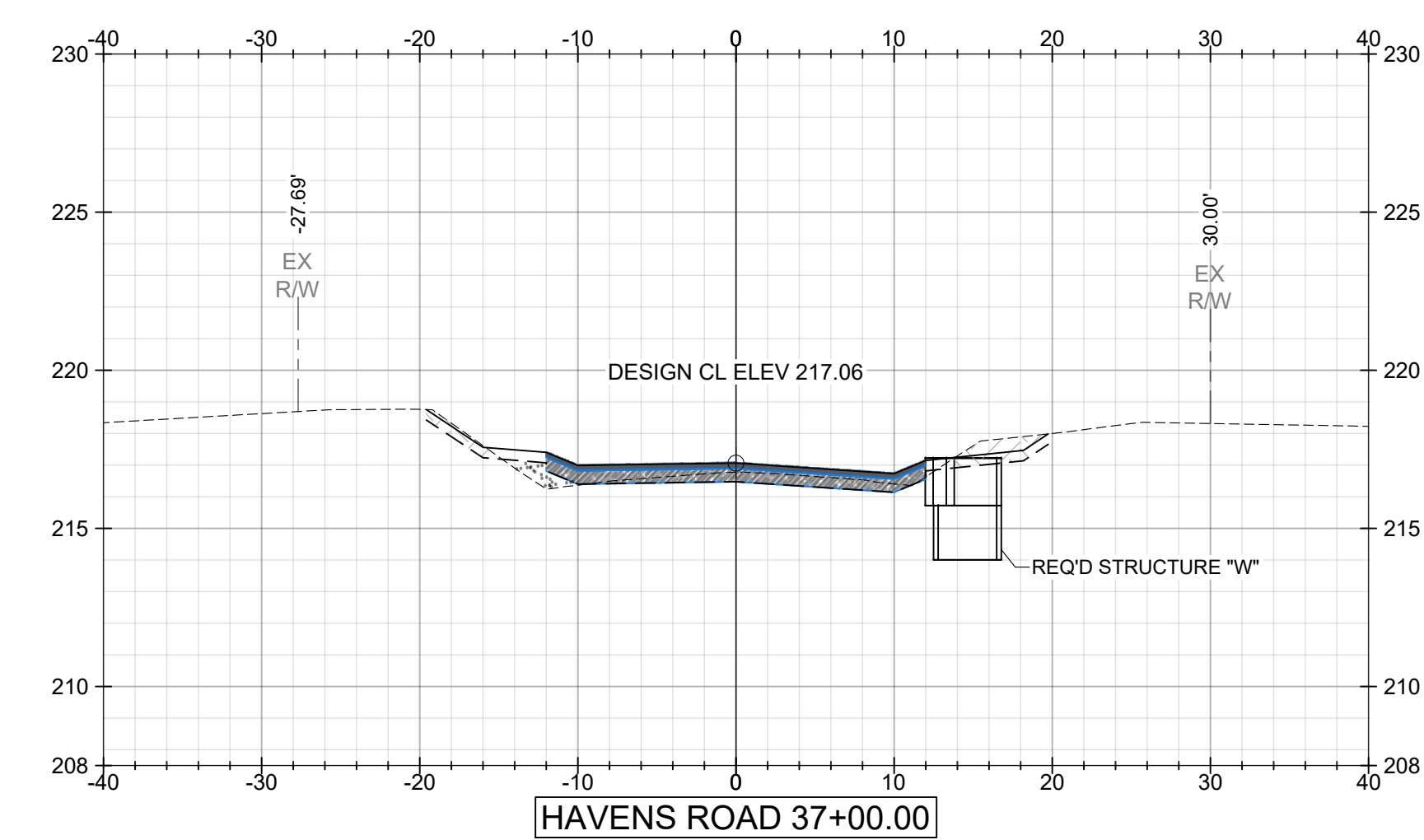
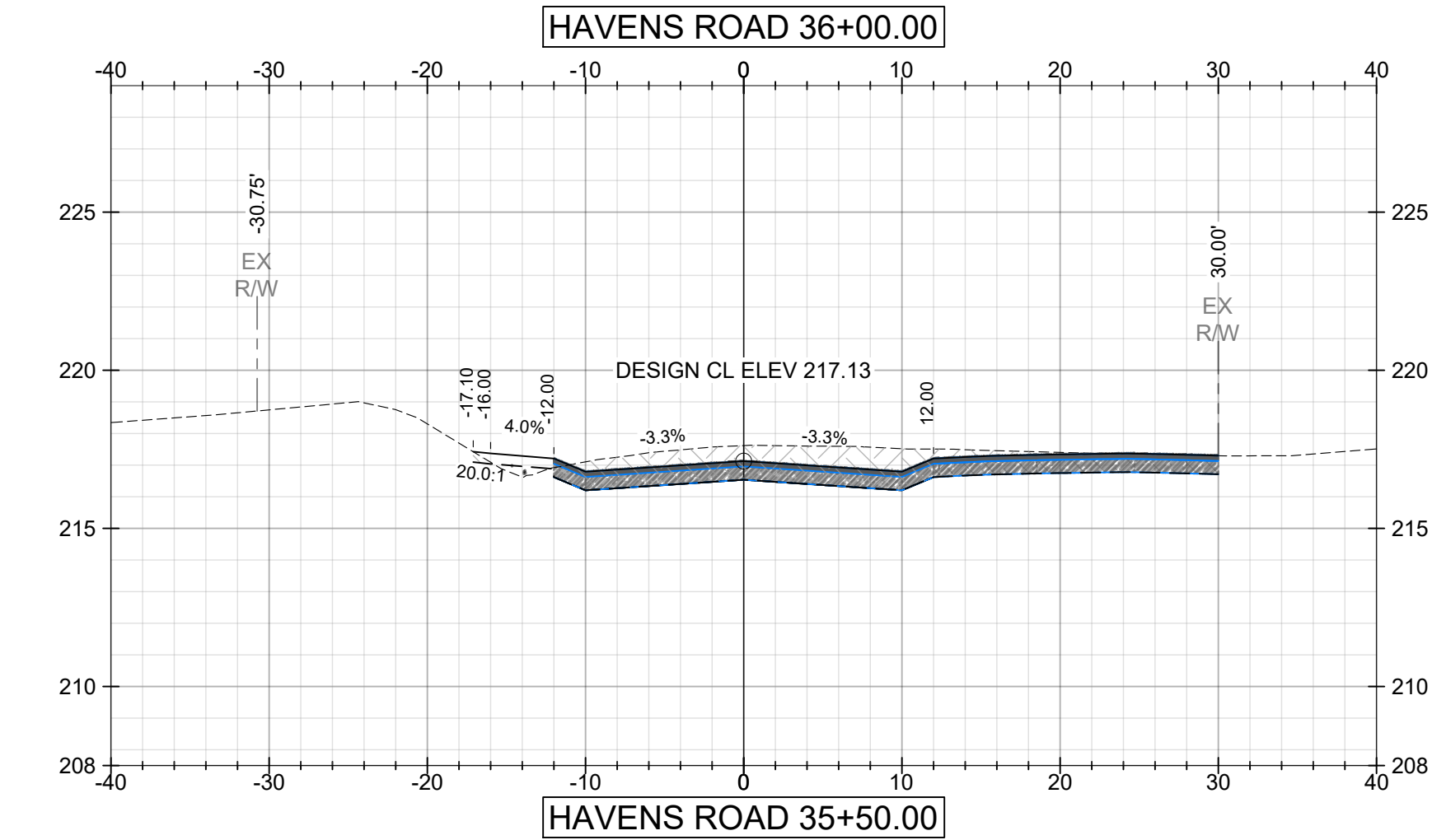
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DATE	SCALE	
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DRIVEN ENGINEERING PROJECT NUMBER: 19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C23	34	0

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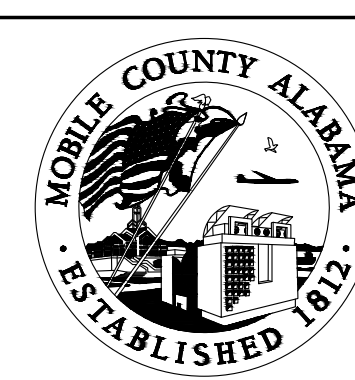
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	MERCERIA L. LUDGOOD CONNIE HUDSON RANDALL DUEITT

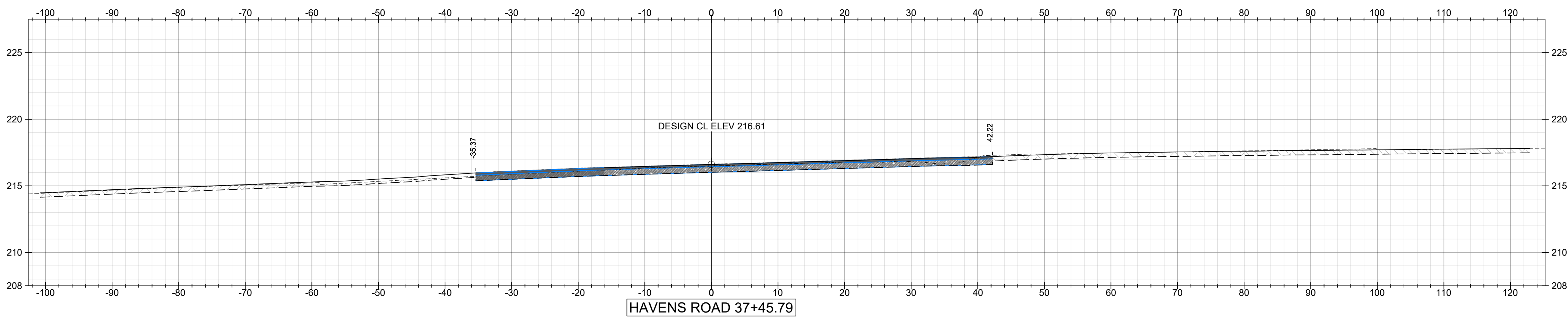


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06/11/2020	AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER:		
19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C25	34	0

Raw Cut and Fill Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+05.56	26.36	32.34	0.00	0.00	0.00	0.00
0+25.00	34.54	22.95	21.92	19.90	21.92	19.90
0+50.04	23.15	18.46	26.75	19.20	48.67	39.10
0+95.25	2.84	27.13	21.76	38.16	70.43	77.27
1+20.92	7.67	35.04	5.00	29.55	75.43	106.82
1+50.00	5.63	51.39	7.16	46.54	82.59	153.36
2+00.00	1.38	44.11	6.50	88.42	89.09	241.78
2+50.00	12.45	12.40	12.81	52.33	101.89	294.10
3+00.00	0.00	28.25	11.53	37.65	113.42	331.75
3+50.00	0.00	38.36	0.00	61.68	113.42	393.43
4+00.00	0.00	36.34	0.00	69.17	113.42	462.60
4+50.00	0.01	19.59	0.01	51.79	113.44	514.39
5+00.00	0.17	15.46	0.18	32.46	113.61	546.85
5+50.00	0.00	33.70	0.16	45.52	113.77	592.38
6+00.00	0.00	45.81	0.00	73.62	113.77	666.00
6+50.00	0.23	54.10	0.21	92.50	113.98	758.50
7+00.00	0.27	56.34	0.46	102.26	114.45	860.76
7+50.00	1.54	44.73	1.67	93.59	116.12	954.35
8+00.00	2.97	32.58	4.17	71.59	120.30	1025.94
8+50.00	1.30	26.29	3.95	54.51	124.25	1080.45
9+00.00	0.00	27.24	1.20	49.56	125.45	1130.01
9+50.00	0.90	39.11	0.84	61.44	126.28	1191.45
10+00.00	0.00	36.43	0.84	69.95	127.12	1261.40
10+50.00	5.27	16.52	4.88	49.02	132.00	1310.42
11+00.00	3.31	8.43	7.94	23.10	139.94	1333.52
11+50.00	5.88	4.66	8.51	12.12	148.45	1345.64
12+00.00	11.03	3.87	15.65	7.90	164.10	1353.54
12+50.00	12.72	3.69	21.99	7.00	186.09	1360.54
13+00.00	14.99	7.90	25.65	10.73	211.74	1371.27
13+50.00	31.36	11.33	42.91	17.80	254.65	1389.07
13+75.47	17.07	4.41	22.84	7.42	277.49	1396.50
14+00.00	12.60	4.58	13.48	4.08	290.97	1400.58
14+50.00	17.23	9.14	27.62	12.70	318.59	1413.28
15+00.00	13.49	11.08	28.44	18.72	347.02	1432.00
15+50.00	12.14	2.31	23.73	12.40	370.75	1444.40

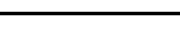
Raw Cut and Fill Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
16+00.00	19.91	0.34	29.68	2.46	400.43	1446.86
16+50.00	11.06	0.45	28.67	0.73	429.11	1447.60
17+00.00	6.89	2.53	16.62	2.76	445.73	1450.36
17+50.00	5.63	4.50	11.60	6.51	457.32	1456.87
18+00.00	2.68	9.43	7.70	12.90	465.02	1469.76
18+50.00	1.82	13.51	4.17	21.24	469.19	1491.01
19+00.00	7.27	12.68	8.41	24.25	477.60	1515.26
19+50.00	15.96	14.49	21.50	25.16	499.10	1540.42
20+00.00	14.63	14.37	28.32	26.73	527.42	1567.15
20+50.00	17.56	14.96	29.81	27.16	557.23	1594.31
21+00.00	12.25	20.38	27.61	32.73	584.84	1627.04
21+50.00	7.60	27.47	18.39	44.30	603.22	1671.34
22+00.00	6.99	31.19	13.51	54.31	616.73	1725.65
22+25.00	5.46	32.19	5.76	29.34	622.49	1754.99
22+50.00	4.65	32.12	4.68	29.77	627.17	1784.77
23+00.00	4.77	28.67	8.73	56.28	635.90	1841.05
23+50.00	4.52	21.05	8.61	46.03	644.51	1887.09
24+00.00	6.16	11.70	9.90	30.33	654.40	1917.41
24+50.00	9.76	2.75	14.74	13.38	669.15	1930.79
25+00.00	14.82	0.52	22.76	3.03	691.90	1933.82
25+50.00	6.76	1.48	19.98	1.86	711.88	1935.68
26+00.00	3.24	9.52	9.26	10.19	721.15	1945.86
26+50.00	0.00	21.45	3.00	28.67	724.15	1974.54
27+00.00	0.00	37.96	0.00	55.01	724.15	2029.55
27+50.00	0.00	33.24	0.00	65.92	724.15	2095.47
28+00.00	0.00	36.54	0.00	64.61	724.15	2160.08
28+50.00	0.00	35.09	0.00	66.32	724.15	2226.40
29+00.00	0.00	28.64	0.00	59.01	724.15	2285.41
29+50.00	0.27	31.10	0.25	55.31	724.39	2340.72
30+00.00	0.99	17.36	1.16	44.87	725.55	2385.58
30+50.00	3.06	17.03	3.75	31.84	729.30	2417.42
31+00.00	6.55	22.34	8.90	36.45	738.20	2453.88
31+50.00	2.63	22.35	8.50	41.38	746.70	2495.26
32+00.00	5.69	16.67	7.70	36.13	754.41	2531.40
32+50.00	12.57	7.32	16.91	22.22	771.32	2553.61

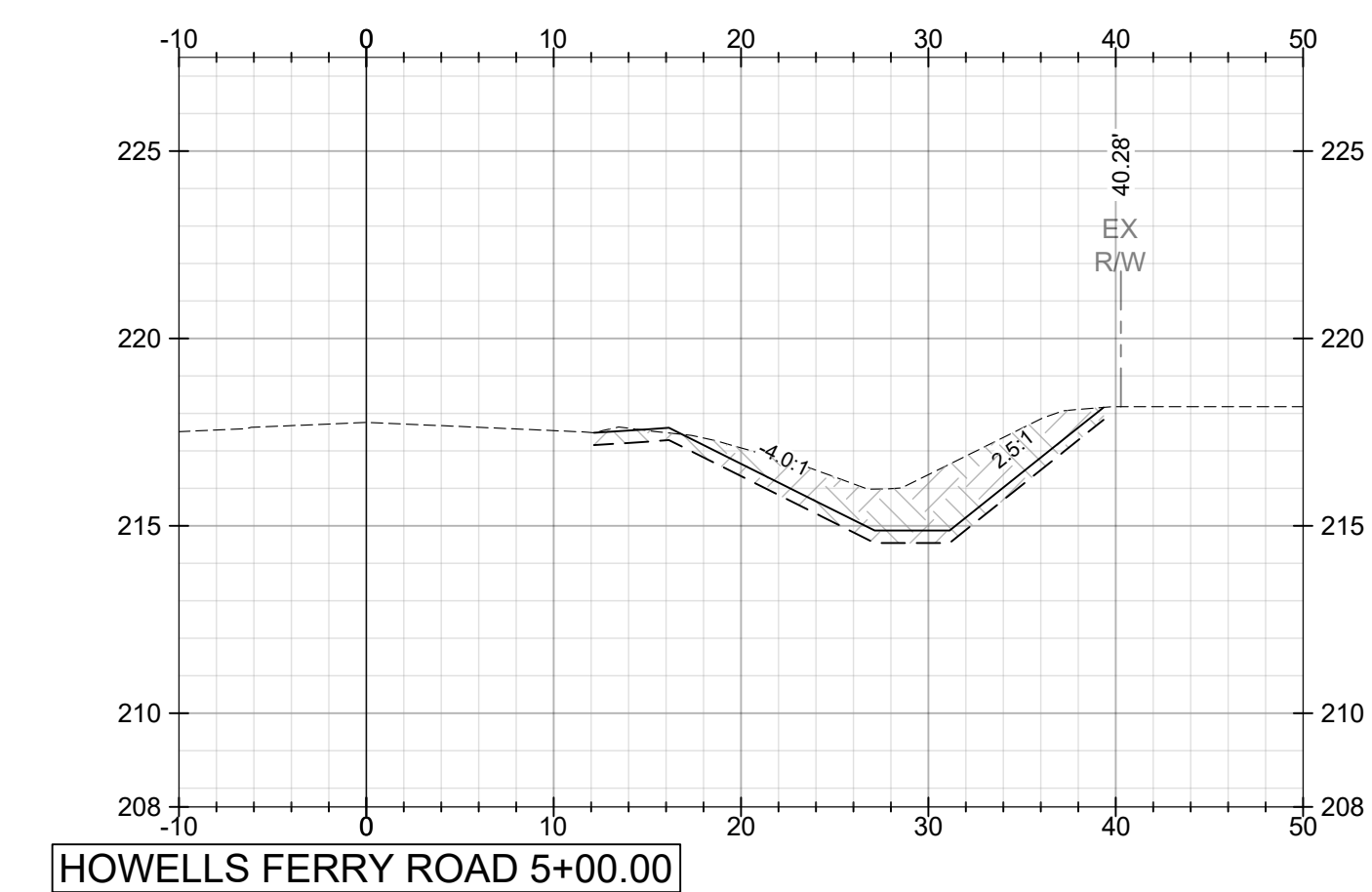
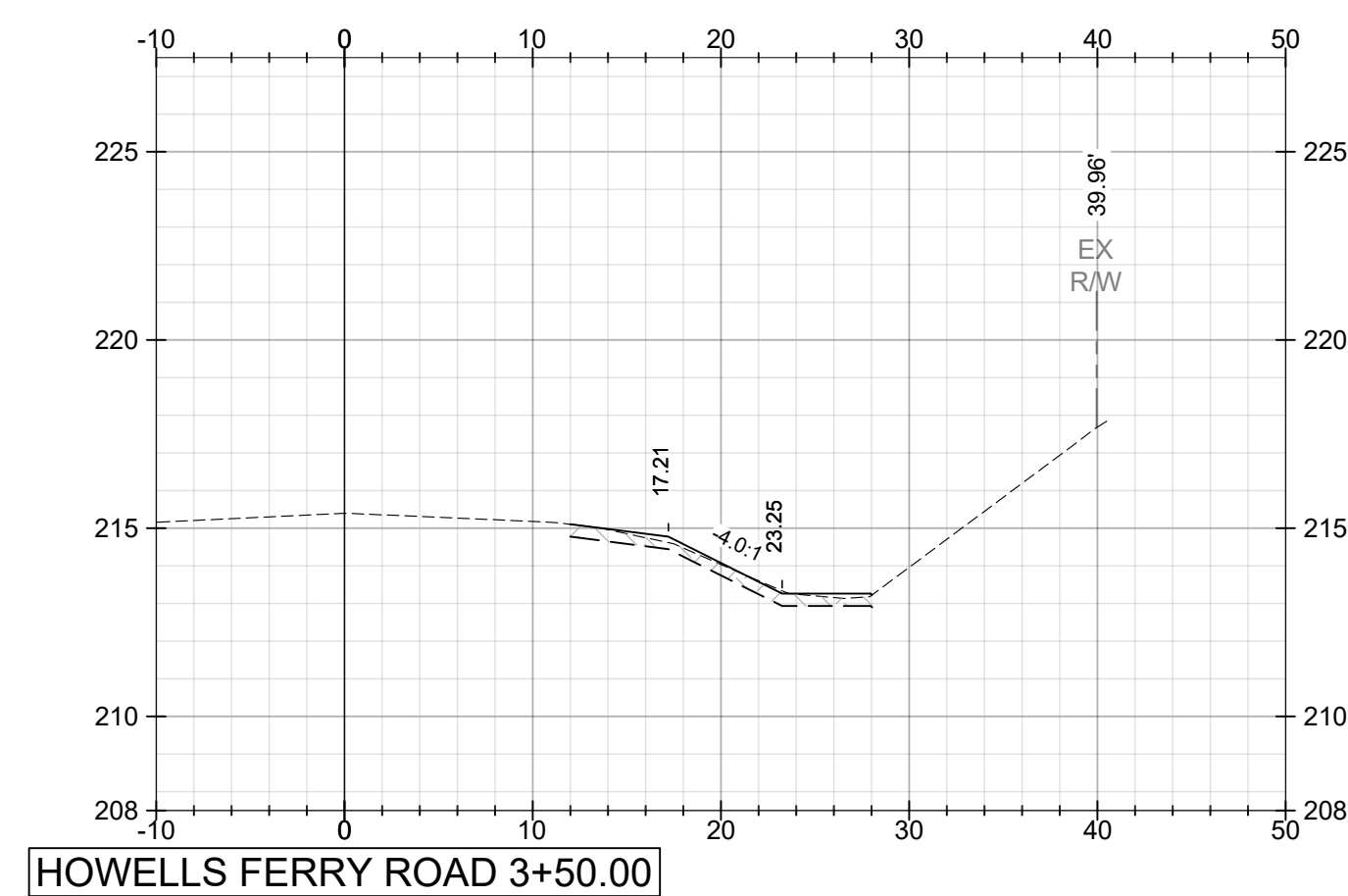
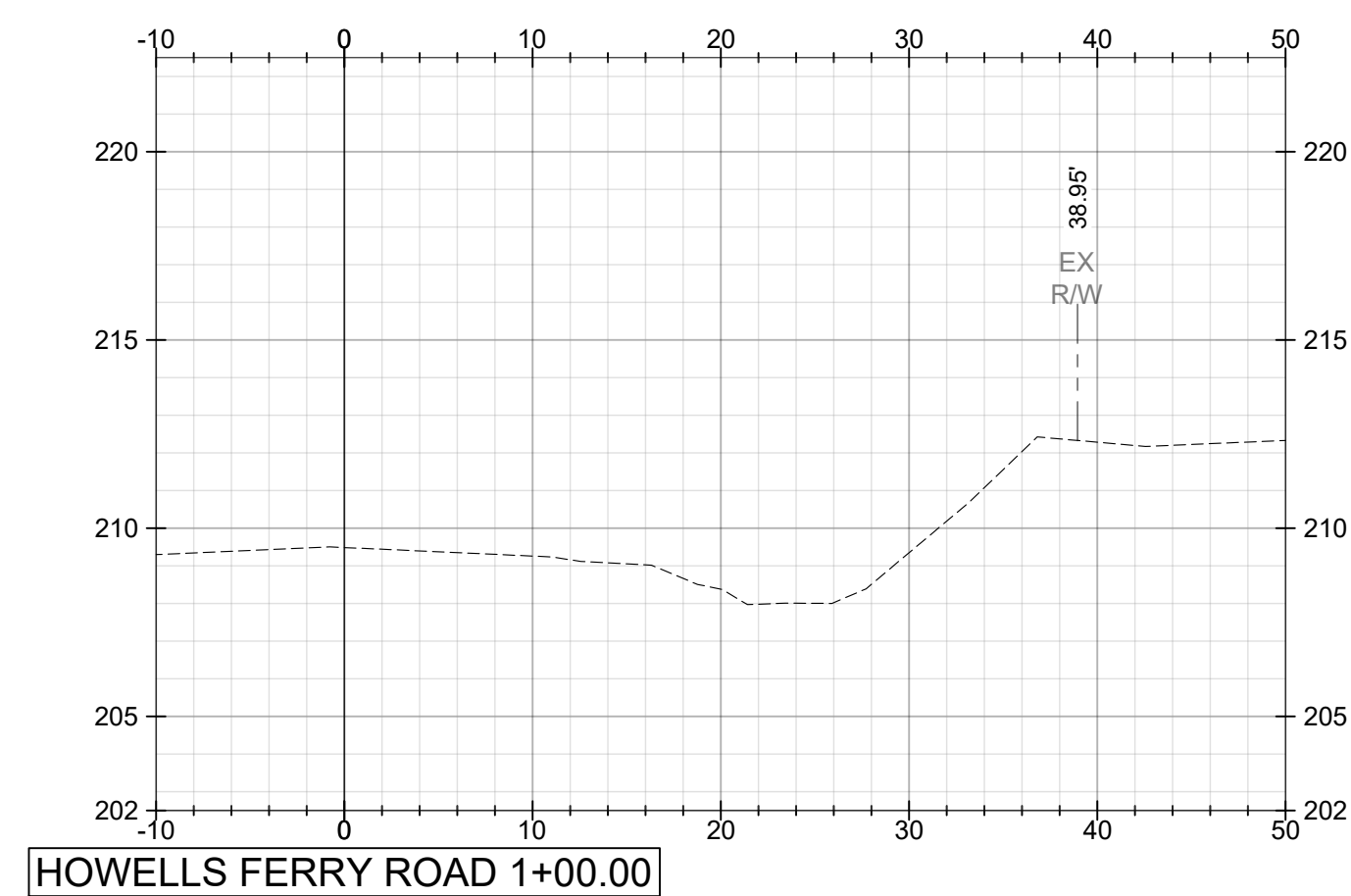
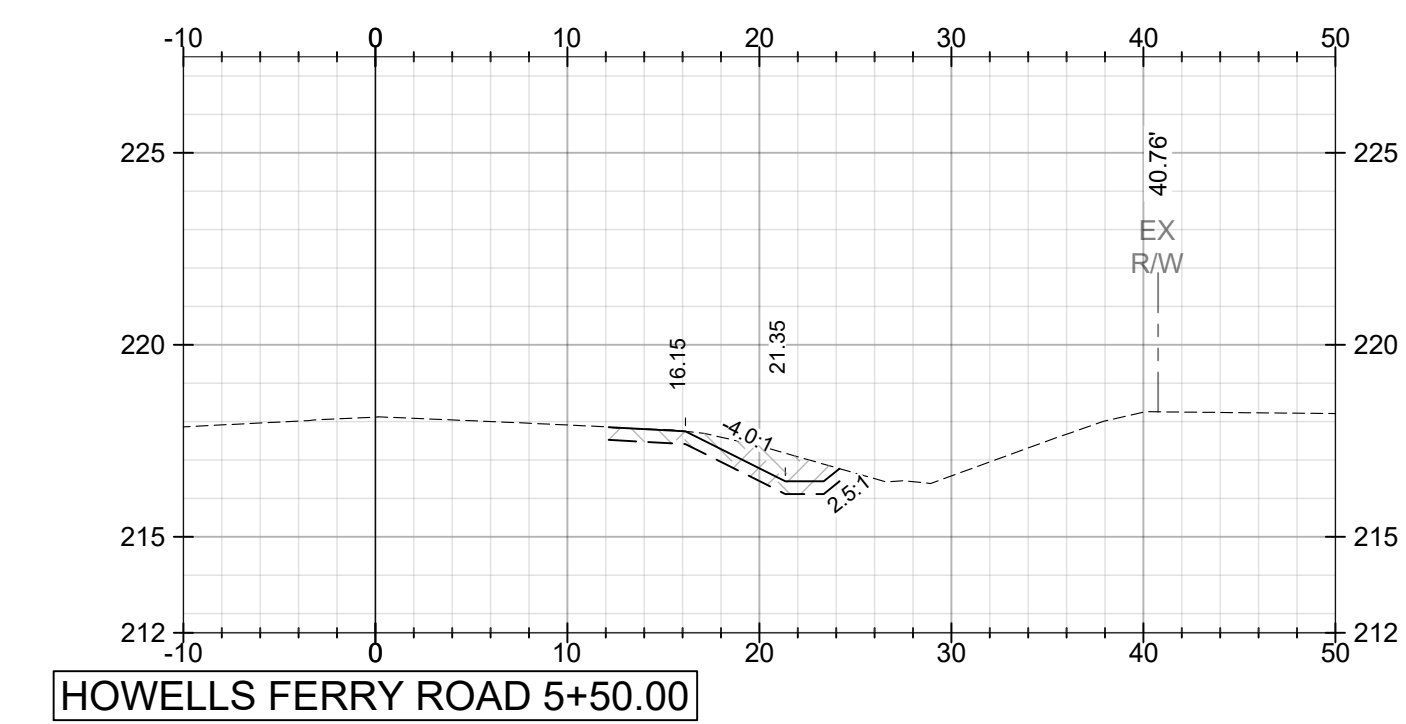
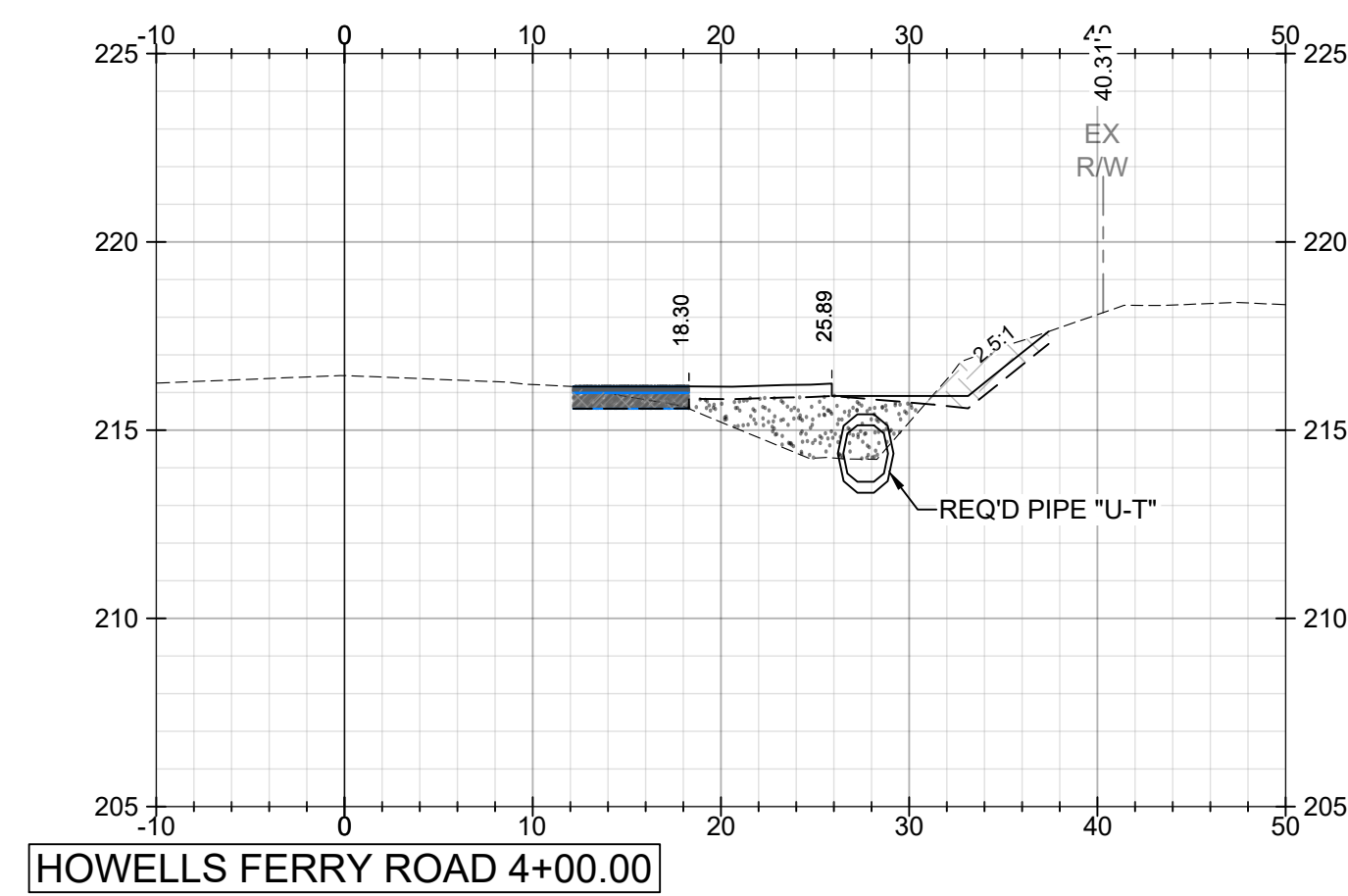
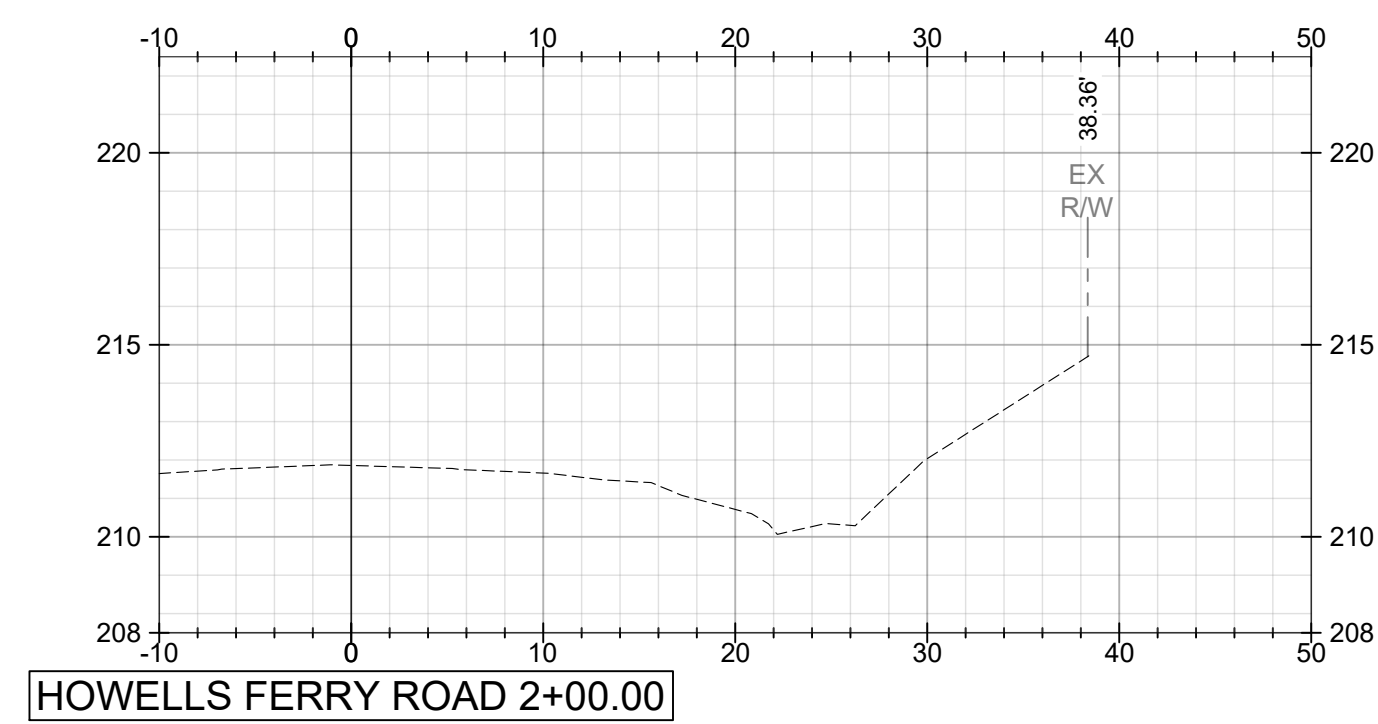
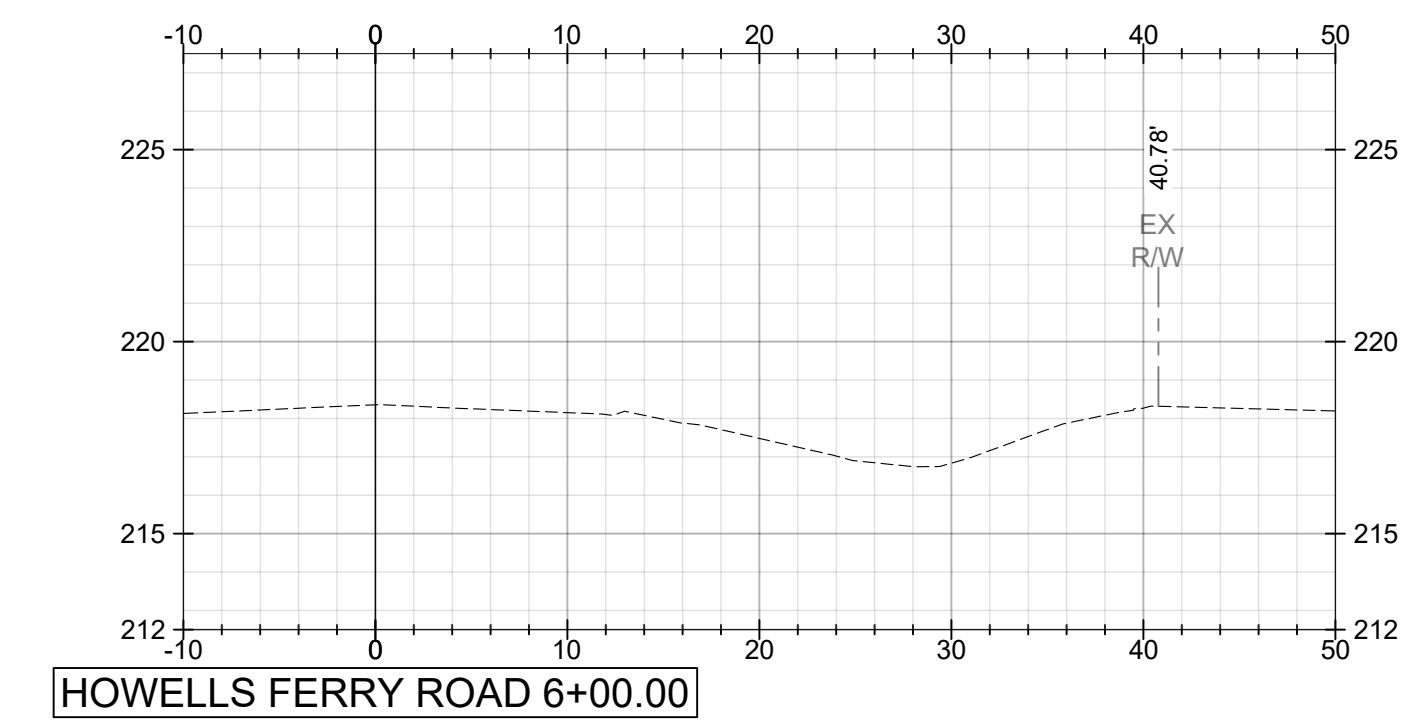
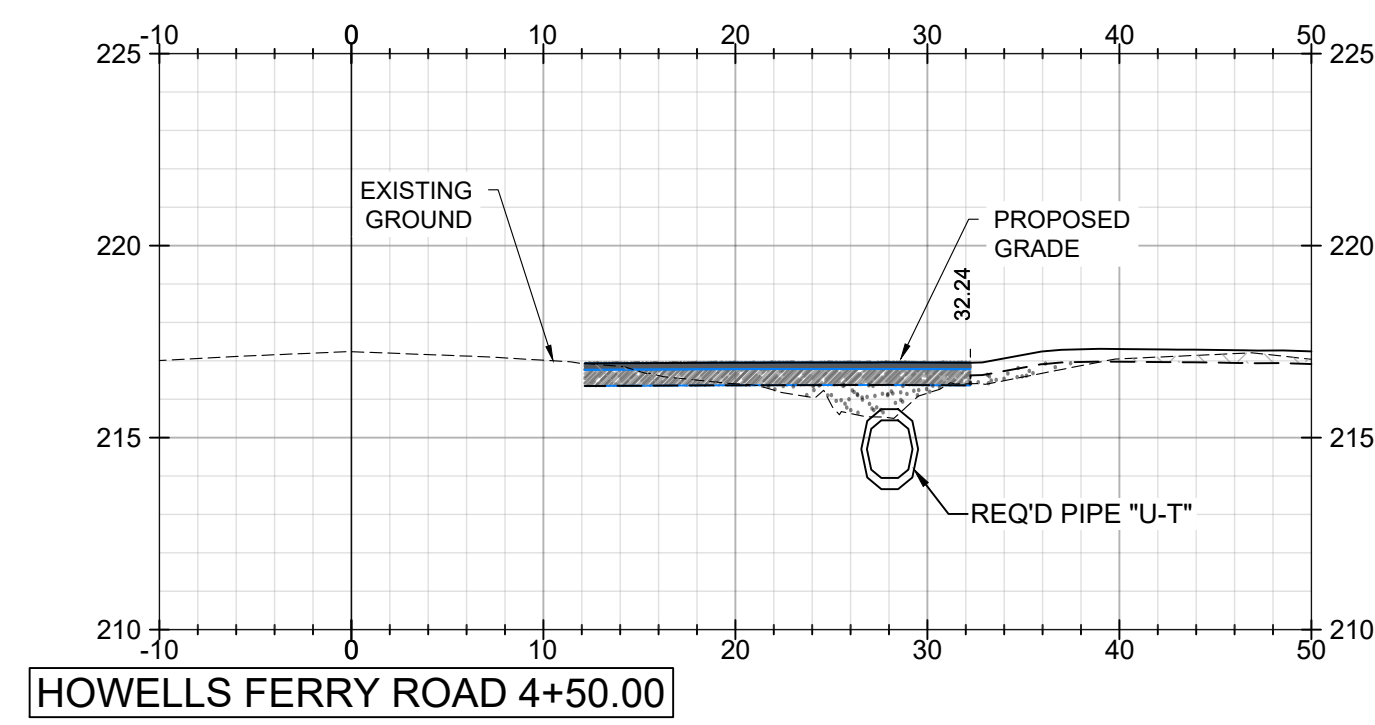
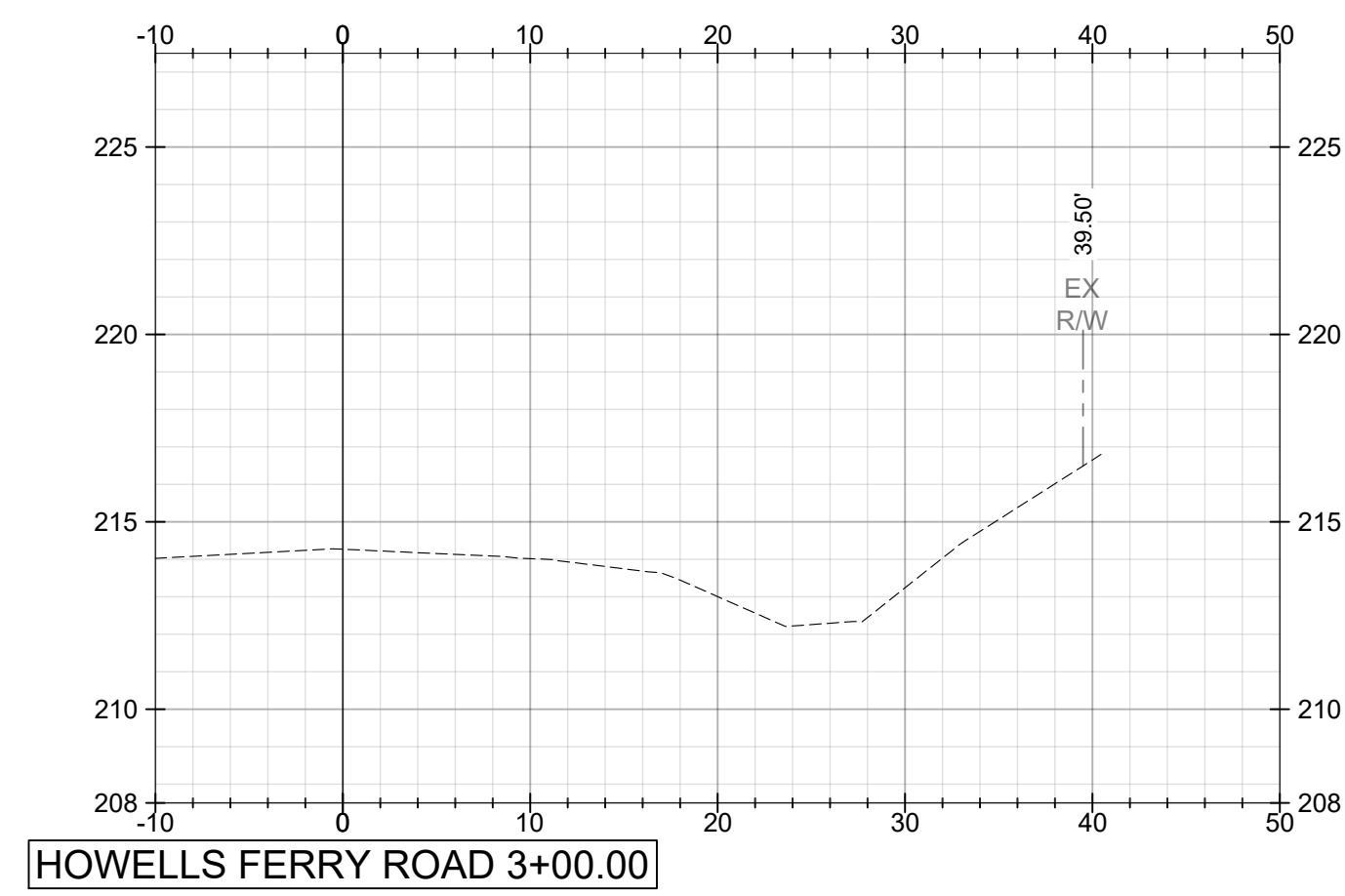
Raw Cut and Fill Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
32+60.00	13.66	5.83	4.86	2.44	776.18	2556.05
33+00.00	16.84	5.91	22.59	8.70	798.77	2564.75
33+50.00	5.99	17.34	21.15	21.53	819.92	2586.29
34+00.00	0.20	36.66	5.73	50.00	825.65	2636.29
34+50.00	1.01	41.08	1.12	71.99	826.77	2708.28
35+00.00	1.04	33.79	1.90	69.32	828.66	2777.60
35+50.00	0.65	38.15	1.56	66.61	830.23	2844.21
36+00.00	0.96	18.91	1.49	52.83	831.72	2897.05
36+50.00	1.43	14.85	2.22	31.26	833.94	2928.31
37+00.00	1.87	10.73	3.06	23.68	837.00	2951.99
37+45.79	0.00	76.51	1.58	73.96	838.58	3025.96



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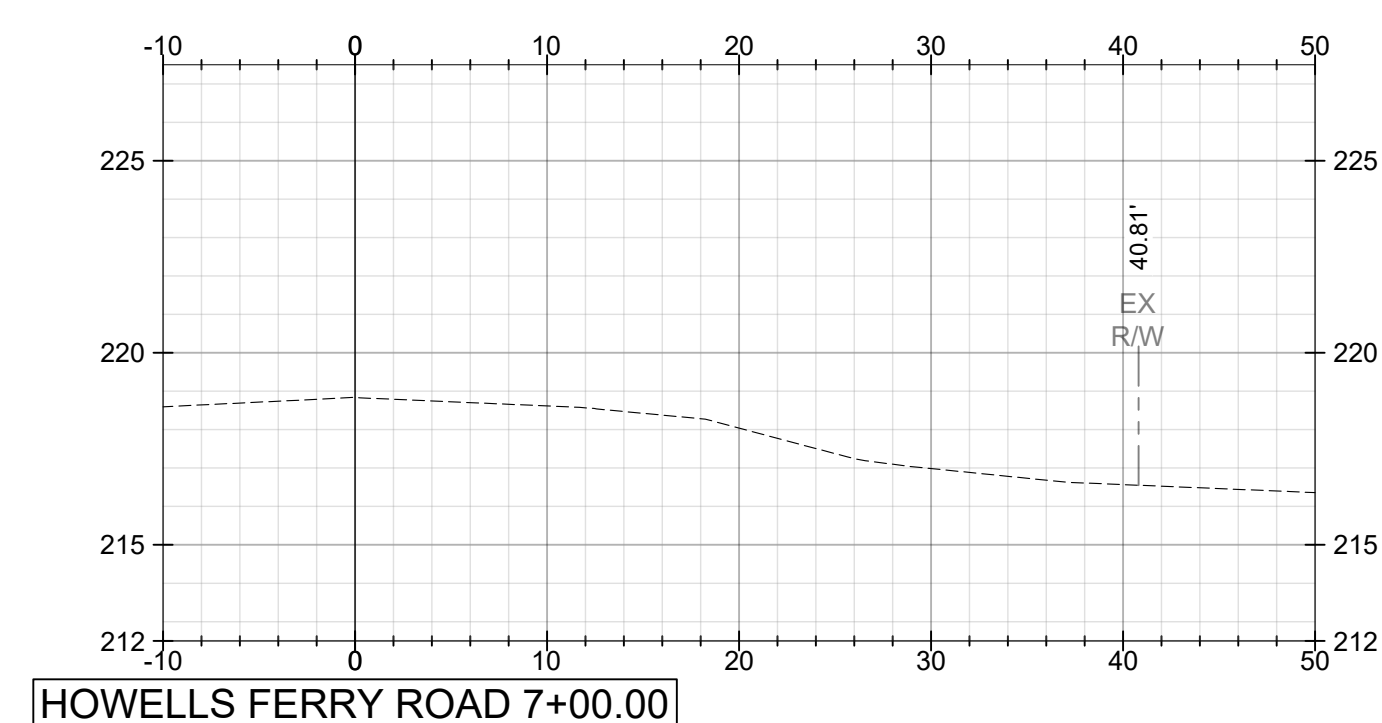
		CLIENT: MOBILE COUNTY COMMISSION MERCERIA L. LUDGOOD CONNIE HUDSON RANDALL DUEITT								TITLE:		MCR-2018-205 BARLOW RD AND HAVENS RD HAVENS CROSS SECTIONS SHEET 10 OF 10		~Copyright © as Dated by Driven Engineering, Inc. All Rights Reserved DATE: 06/11/2020 SCALE: AS SHOWN DRAWN ENGINEERING PROJECT NUMBER: 19001 DRAWING NUMBER: C26 TOTAL SHEETS: 34 REVISION: 0	
05/02/2025 CUF ALF ALF ISSUED FOR BID						8005 Morris Hill Road (251) 649-4011 Office Semmes, AL 36575 (251) 645-0971 Fax www.drivenengineering.com									



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[illegible]



Raw Cut and Fill Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+00.00	0.00	0.00	0.00	0.00	0.00	0.00
2+00.00	0.00	0.00	0.00	0.00	0.00	0.00
3+00.00	0.00	0.00	0.00	0.00	0.00	0.00
3+50.00	0.00	4.49	0.00	4.16	0.00	4.16
4+00.00	13.86	6.99	12.83	10.63	12.83	14.79
4+50.00	5.64	4.21	18.05	10.37	30.89	25.16
5+00.00	0.00	29.26	5.22	30.99	36.11	56.15
5+50.00	0.00	7.46	0.00	34.00	36.11	90.15
6+00.00	0.00	0.00	0.00	6.91	36.11	97.05
7+00.00	0.00	0.00	0.00	0.00	36.11	97.05
8+00.00	0.00	0.00	0.00	0.00	36.11	97.05

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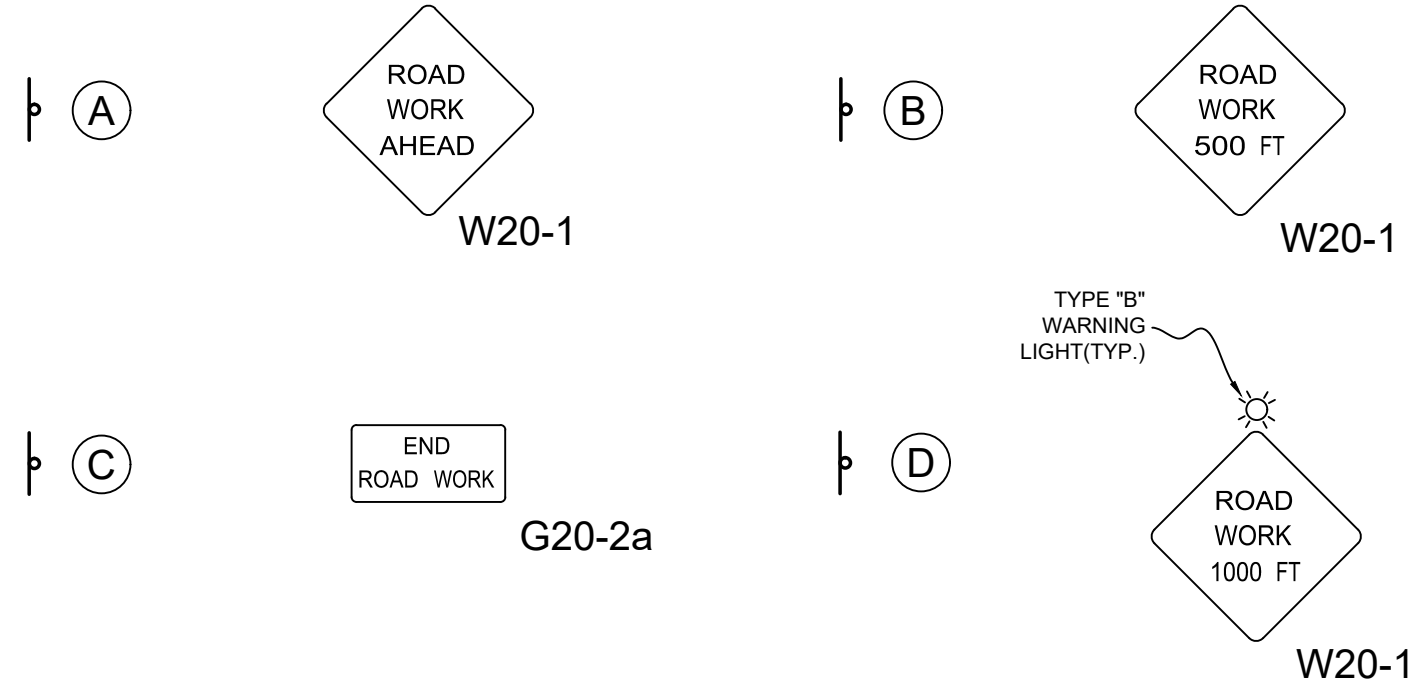
	CLIENT: MOBILE COUNTY COMMISSION			 Driven Engineering, Inc.		TITLE:	MCR-2018-205 BARLOW RD AND HAVENS RD HOWELLS FERRY CROSS SECTIONS SHEET 2 OF 2	~Copyright © as Dated by Driven Engineering, Inc. All Rights Reserved					
								DATE: 06/11/2020	SCALE: AS SHOWN				
								DRIVEN ENGINEERING PROJECT NUMBER: 19001					
	05/02/2025 C J F A L F A L F	ISSUED FOR BID						DRAWING NUMBER: C28	TOTAL SHEETS: 34	REVISION: 0			

SUMMARY OF SIGNS						
HAVENS ROAD						
SIGN	LAYOUT #	DESCRIPTION	SF	QUANTITY	TOTAL SF	LIGHTS
W20-1	A	ROAD WORK AHEAD	16	3	48	0
W20-1	B	ROAD WORK AHEAD 500 FT	16	2	32	0
W20-1	D	ROAD WORK AHEAD 1000 FT	16	2	32	2
G20-2a	C	END ROAD WORK	8	2	16	0
TOTAL SQUARE FEET					128	

SUMMARY OF ALL SIGNS INCLUDING TEMPORARY		
QUANTITY	UNIT	ITEM
392	SF	CONSTRUCTION SIGNS TYPE IV (740-B)
4	EA	WARNING LIGHTS TYPE B (740-I)
2	EA	PROJECT SIGNS (NOT A PAY ITEM)
60	EA	CHANNELIZING DRUMS TYPE III (740-D)
90	EA	CONES (36 INCHES HIGH) (740-E)

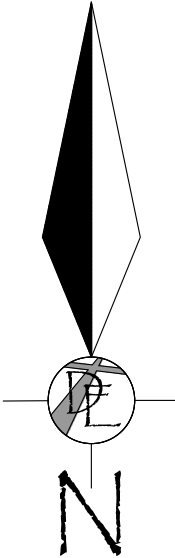
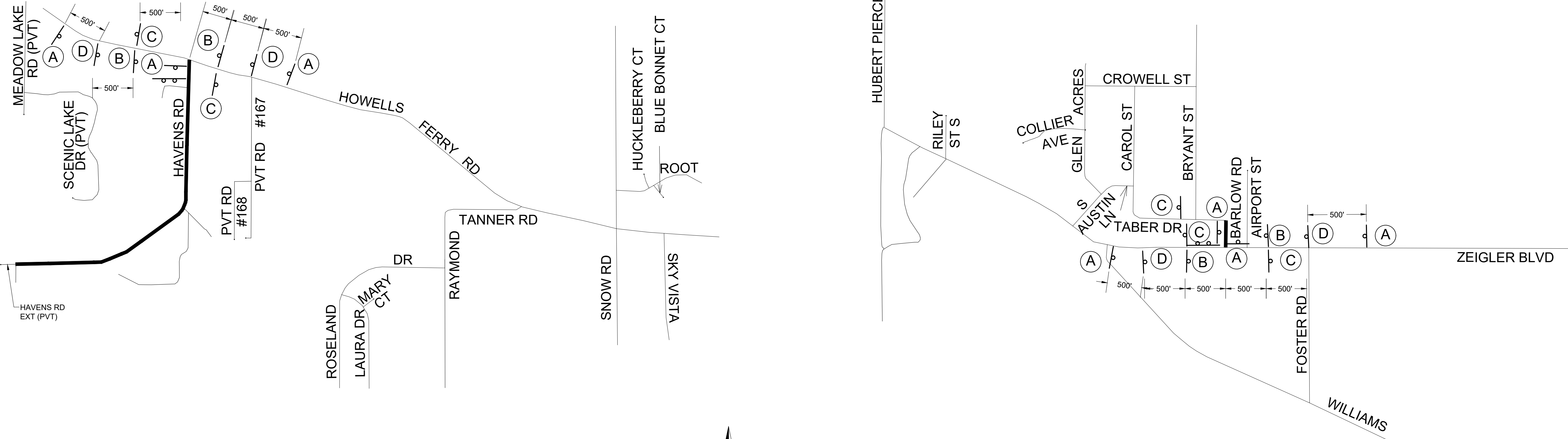
SUMMARY OF SIGNS						
BARLOW ROAD						
SIGN	LAYOUT #	DESCRIPTION	SF	QUANTITY	TOTAL SF	LIGHTS
W20-1	A	ROAD WORK AHEAD	16	4	64	0
W20-1	B	ROAD WORK AHEAD 500 FT	16	2	32	0
W20-1	D	ROAD WORK AHEAD 1000 FT	16	2	32	2
G20-2a	C	END ROAD WORK	8	3	24	0
TOTAL SQUARE FEET					152	

CONSTRUCTION SIGN LEGEND



PROJECT SIGN *

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



(PROPOSED
WORK AREA)

DRAWING N.T.S.

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0	05/02/2025	CJF	ALF	ALF
	ISSUED FOR BID			

CLIENT:

MOBILE COUNTY
COMMISSION

MERCERIA L. LUDGOOD
CONNIE HUDSON
RANDALL DUEITT



Driven 
Engineering, Inc.

8005 Morris Hill Road (251) 649-4011 Office
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TITLE:

MCR-2018-205
BARLOW RD AND HAVENS RD

TRAFFIC CONTROL PLAN

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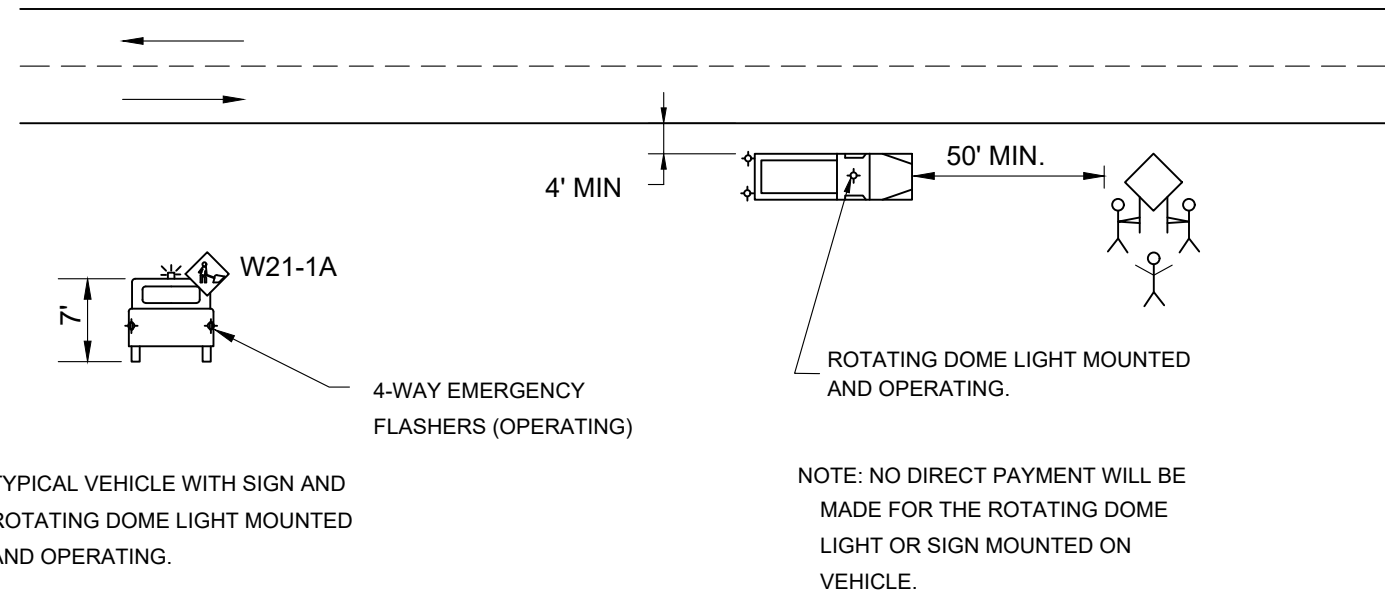
DATE	SCALE
06/11/2020	AS SHOWN

IVEN ENGINEERING PROJECT NUMBER:
19001

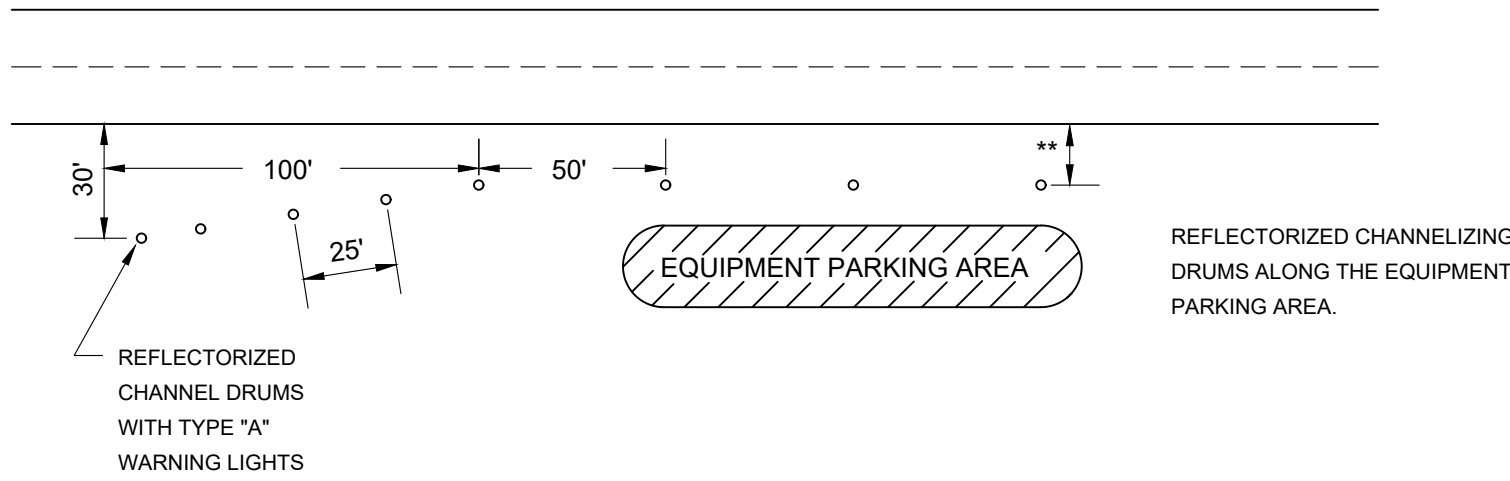
DRAWING NUMBER	TOTAL SHEETS	REVISION
C29	34	0

NOT TO SCALE

SUMMARY OF SIGNS						
TEMPORARY SIGNAGE						
SIGN		DESCRIPTION	SF	QUANTITY	TOTAL SF	LIGHTS
W20-7A		FLAGGER AHEAD	16	2	32	0
W20-1		ROAD WORK AHEAD 500 FT	16	2	32	0
W20-1		ROAD WORK AHEAD 1000 FT	16	2	32	2
G20-2a		END ROAD WORK	8	2	16	0
740-D		CHANNELIZING DRUMS	0	60	0	0
740-E		CONES (36 INCHES HIGH)	0	90	0	0
		TOTAL SQUARE FEET			112	



TYPICAL METHOD FOR PLACEMENT OR REMOVAL OF CONSTRUCTION SIGNS



***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)

(FOR USE ONLY WHEN EQUIPMENT CANNOT BE STORED THIRTY FEET OR MORE FROM THE EDGE OF PAVEMENT.)

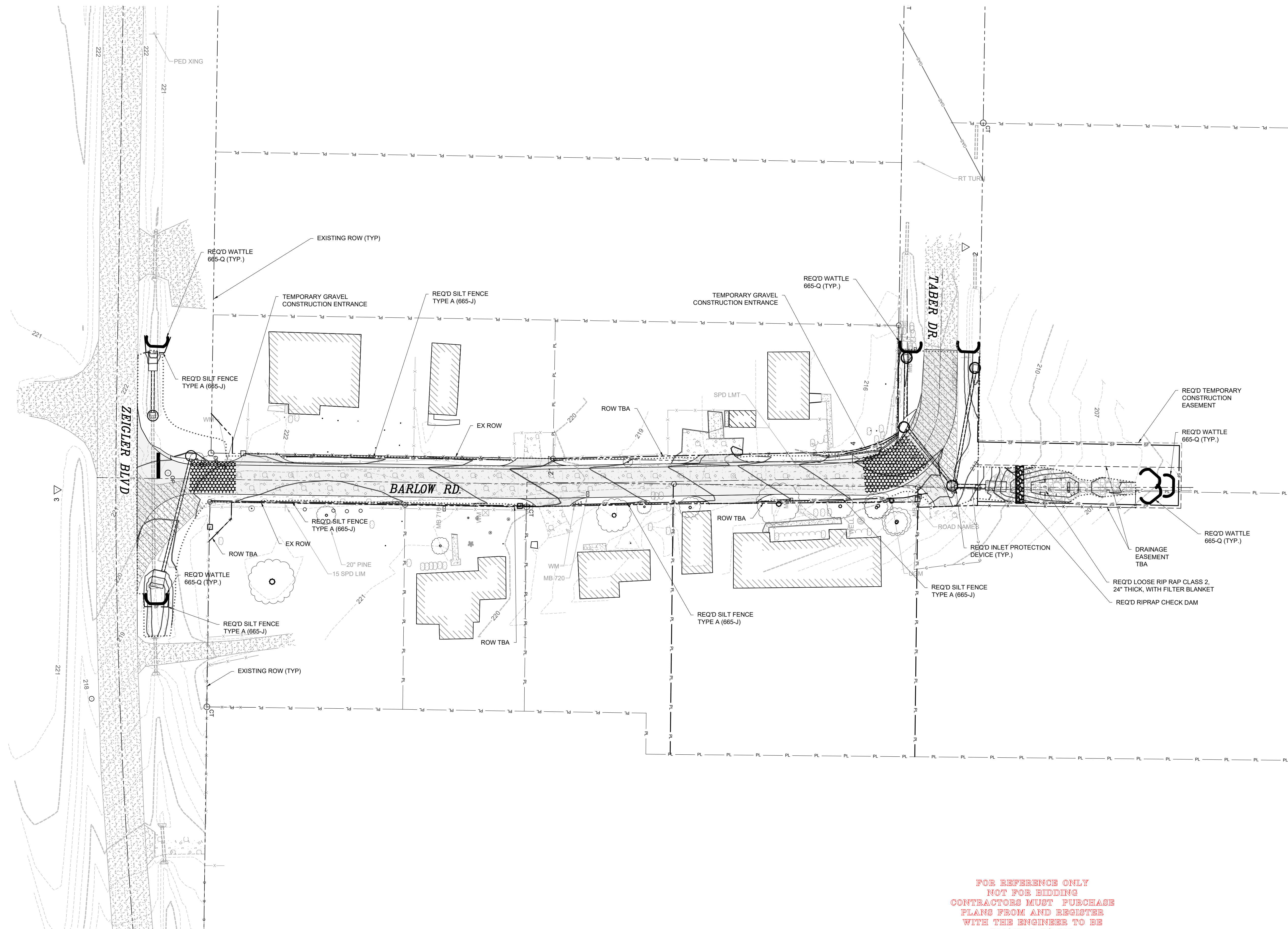
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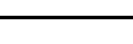
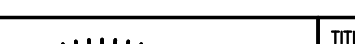


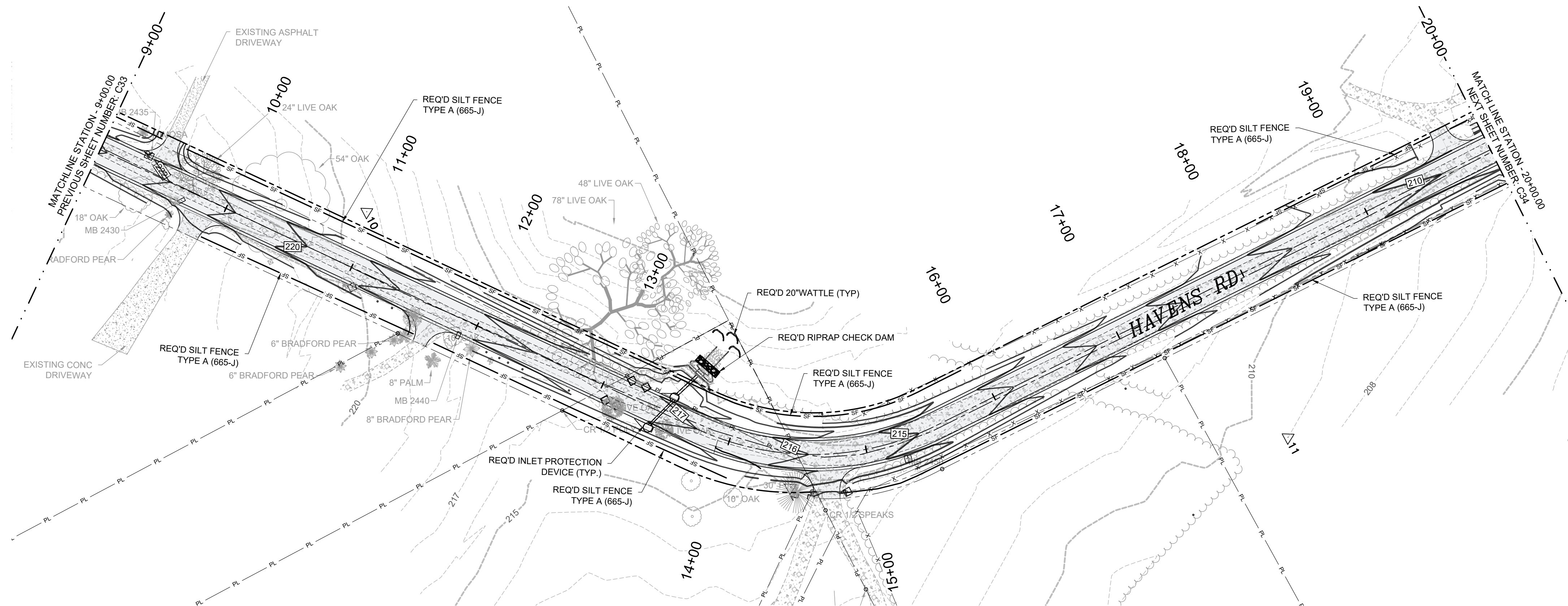
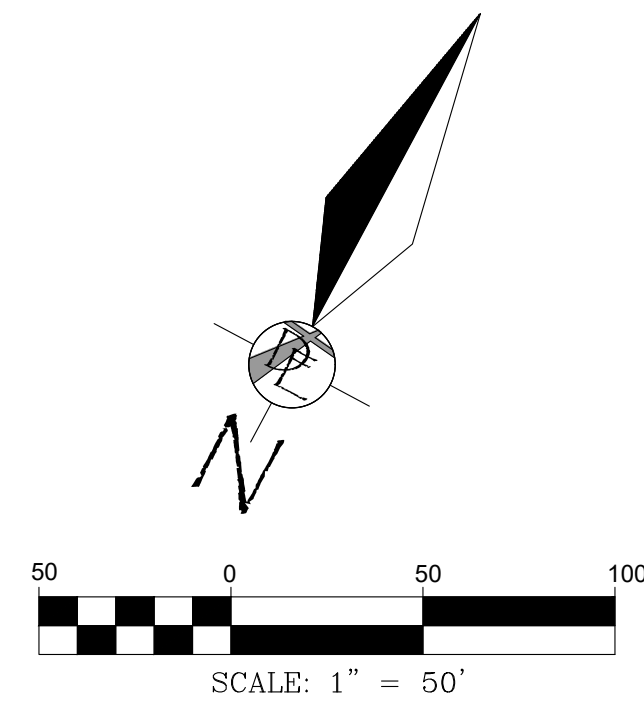
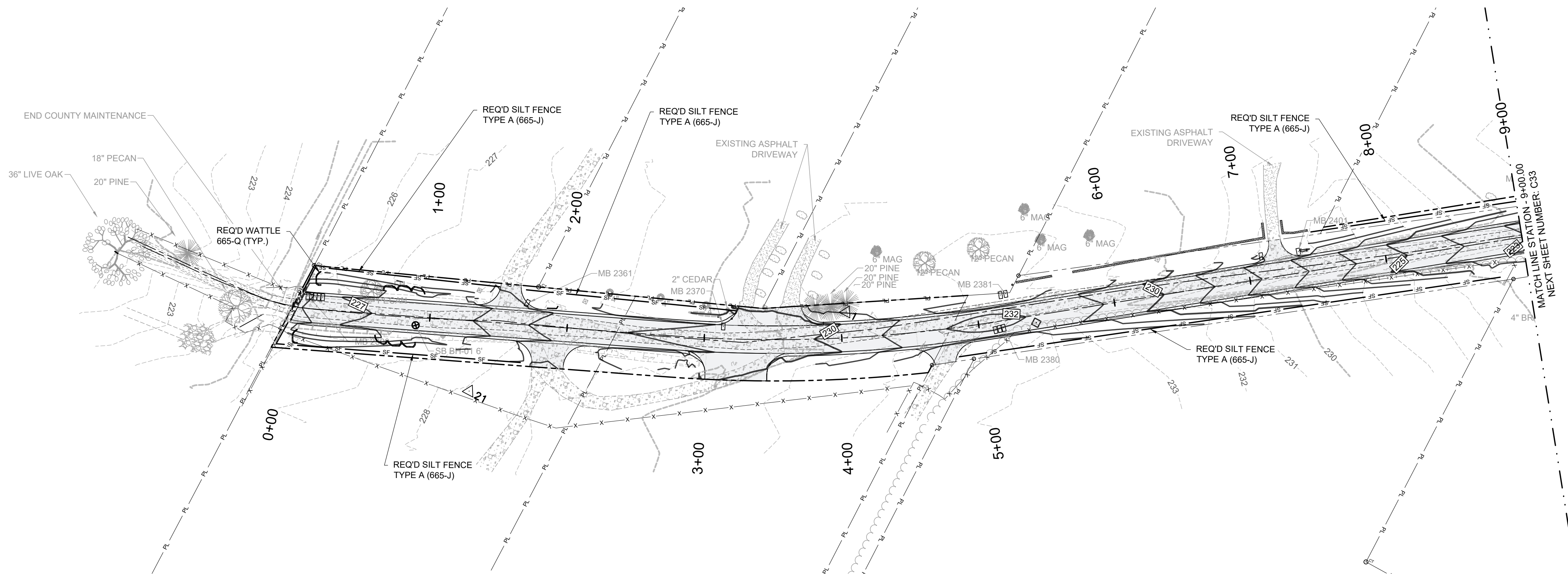
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DATE	SCALE	
06/11/2020	AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER:		
19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C31	34	0

NOT TO SCALE



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		CLIENT: MOBILE COUNTY COMMISSION				Driven  Engineering, Inc.				TITLE: MCR-2018-205 BARLOW RD AND HAVENS RD BARLOW ROAD EROSION AND SEDIMENT CONTROL PLAN SHEET		~Copyright © as Drafted by Driven Engineering, Inc. All Rights Reserved	
		MERCERIA L. LUDGOOD CONNIE HUDSON RANDALL DUEITT				8005 Morris Hill Road (251) 649-4011 Office Semmes, AL 36575 (251) 645-0971 Fax www.drivenengineering.com				DATE: 06/11/2020 SCALE: AS SHOWN		DRAWING NUMBER: C32 TOTAL SHEETS: 34 REVISION: 0	
0		05/02/2025 CUF ALF ALF ISSUED FOR BID											



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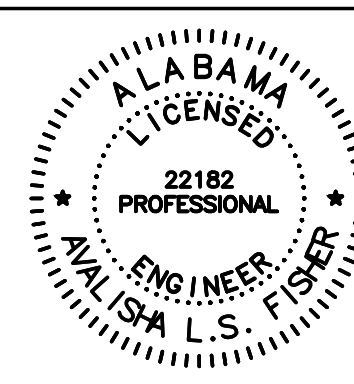
0	05/02/2025	CJP	ALF	ALF					

CLIENT:
MOBILE COUNTY
COMMISSION

MERCERIA L. LUDGOOD
CONNIE HUDSON
RANDALL DUEITT

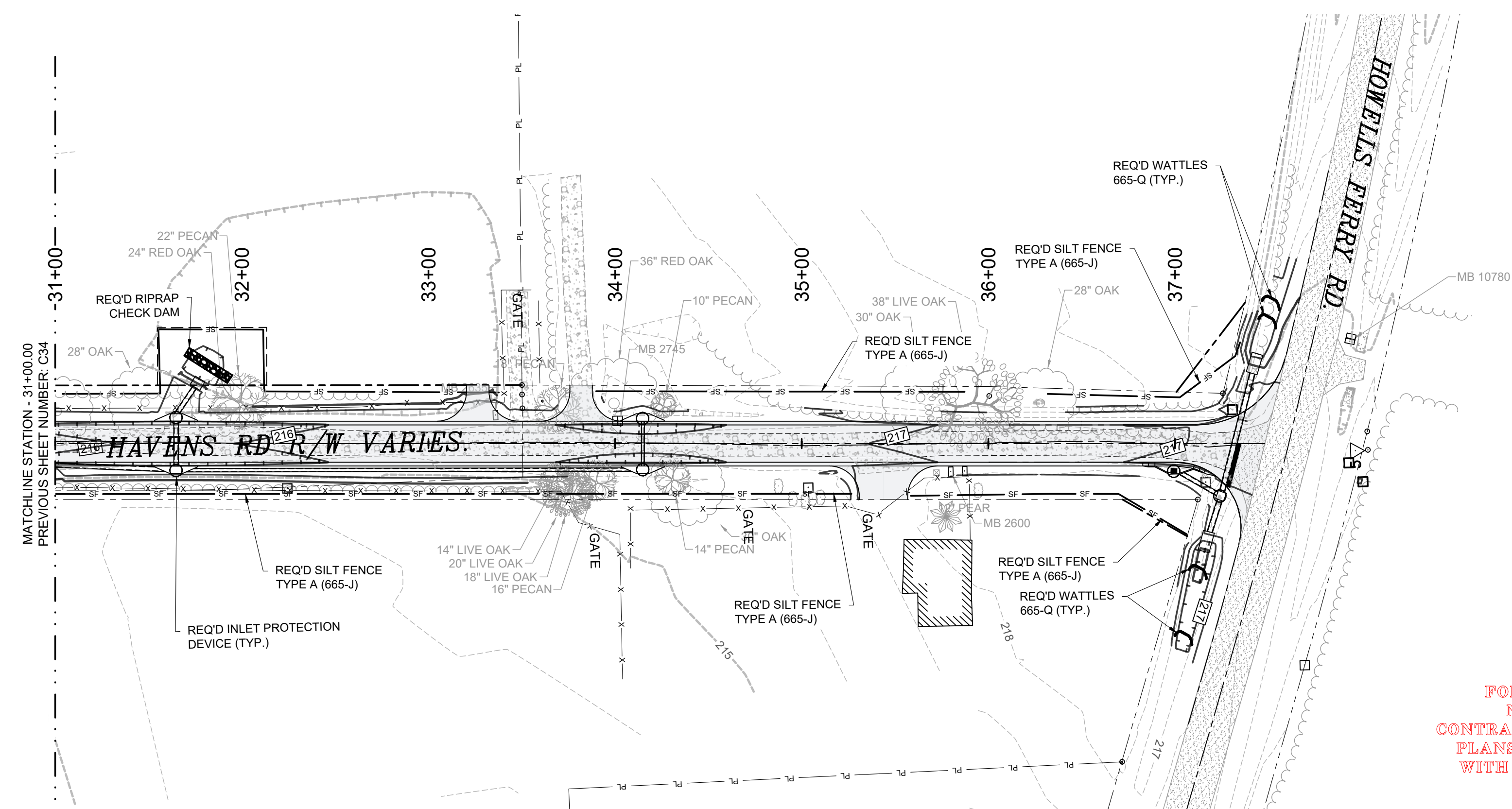
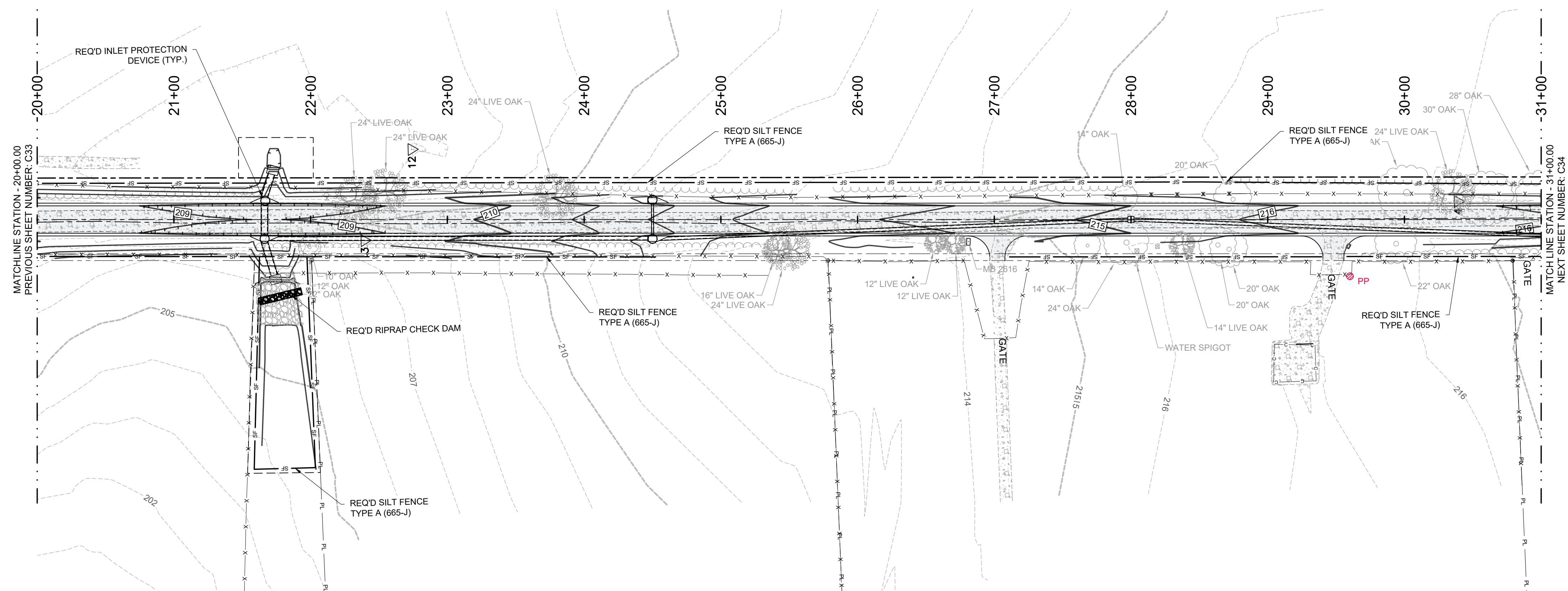


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TITLE:
MCR-2018-205
BARLOW RD AND HAVENS RD
HAVENS ROAD EROSION AND SEDIMENT
CONTROL PLAN SHEET 1 OF 2

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DATE	SCALE	
06/11/2020	AS SHOWN	
DRIVEN ENGINEERING PROJECT NUMBER: 19001		
DRAWING NUMBER	TOTAL SHEETS	REVISION
C33	34	0



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[illegible]