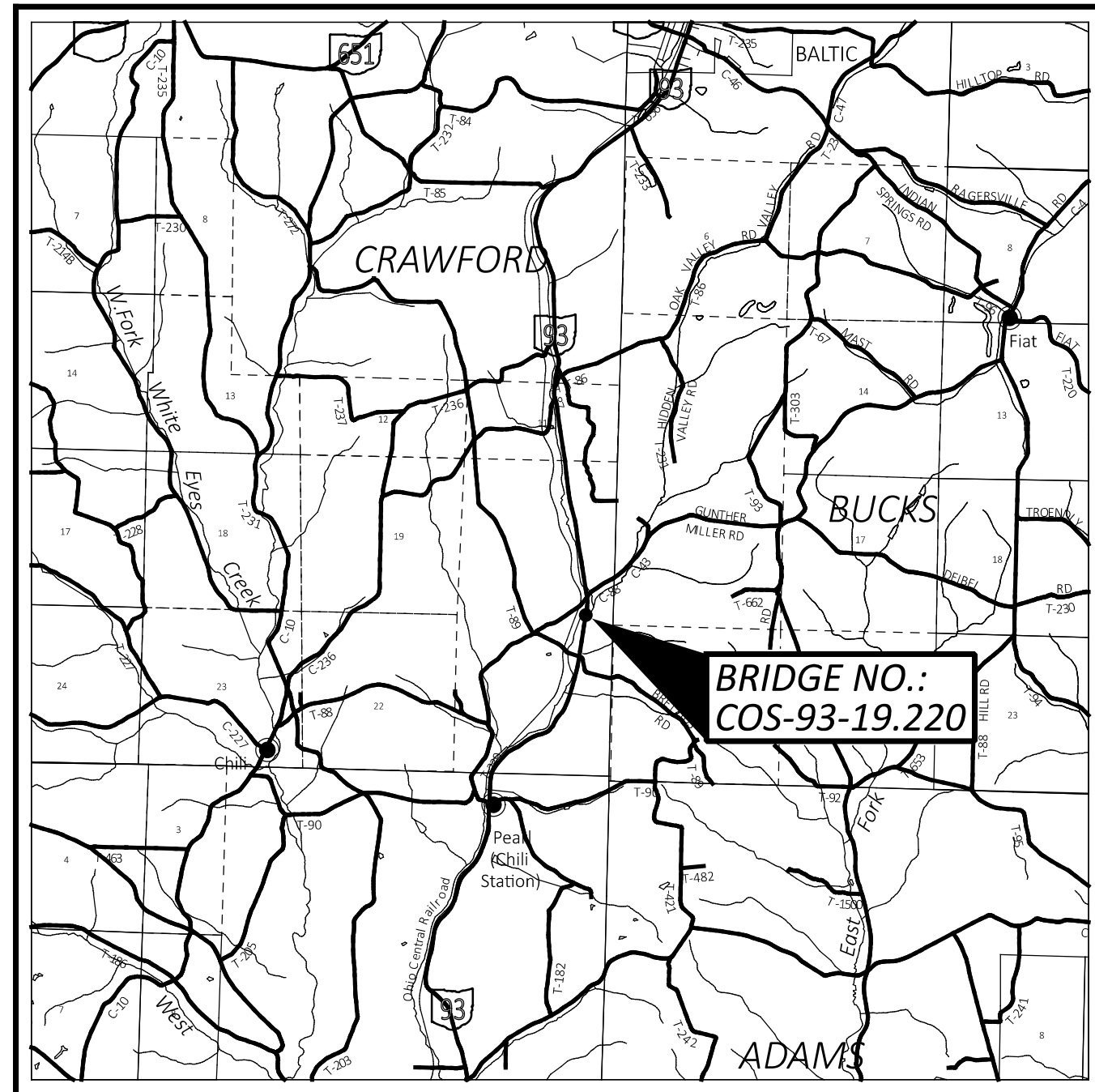


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

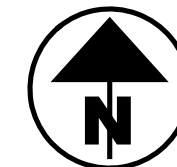
COS-93-19.20

CRAWFORD TOWNSHIP
COSHOCOTON COUNTY



LOCATION MAP

LATITUDE: 40°23'10" LONGITUDE: -81°42'55"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

DESIGN DESIGNATION

CURRENT ADT (2026)	1600
DESIGN YEAR ADT (2046)	1700
DESIGN HOURLY VOLUME (2046)	200
DIRECTIONAL DISTRIBUTION	62%
TRUCKS (24 HOUR B&C)	18%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)



PLAN PREPARED BY:

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2 & 3
CENTERLINE & EXISTING MONUMENTS	
COORDINATE TABLE	4
TYPICAL SECTIONS	5 & 6
GENERAL NOTES	7
DETOUR MAPS	8 & 9
GENERAL SUMMARY	10-11
CALCULATIONS	12-15
PLAN AND PROFILE	16-18
CROSS SECTIONS	19-28
CHANNEL CROSS SECTIONS	28A-28D
EARTHWORK CALCULATIONS	29
STRUCTURE: COS-93-19.22	30-48
SOIL BORINGS	49-57

FEDERAL PROJECT NUMBER

E251(073)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REPLACEMENT OF THE EXISTING 3 SPAN CONCRETE SLAB BRIDGE WITH A NEW 3 SPAN CONCRETE SLAB BRIDGE, NEW APPROACH SLABS, NEW BRIDGE RAIL, GUARDRAIL AND PAVEMENT REPLACEMENT ON S.R. 93 OVER WHITE EYES CREEK.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.85 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.10 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A ACRES (NOI NOT REQUIRED)

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 8 & 9/57.

Jason L. Sturgeon, P.E.
District 05 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-2.1	1/21/22	MT-101.60	1/17/25	800	1/16/26	WATERWAY PERMITS	CONDITIONS 10/20/25
BP-3.1	1/19/24	MT-101.90	7/17/20	832	7/18/25		
BP-3.2	1/18/19					ASBESTOS SURVEY REPORT	SFN 1602160 1/14/26
BP-4.1	7/19/13	TC-41.20	10/18/13				
		TC-41.30	4/21/23				
MGS-2.1	1/16/26	TC-42.20	10/18/13				
MGS-3.3	1/16/26	TC-52.20	1/15/21				
MGS-4.2	1/16/26	TC-61.30	7/19/24				
AS-1-15	1/20/23	DM-1.1	1/17/25				
AS-2-15	7/21/23	DM-4.3	1/15/16				
CPA-1-08	1/19/24	DM-4.4	1/15/16				
CPP-1-08	7/21/17						
CS-1-24	1/16/26	HL-50.21	1/16/26				
DS-1-92	7/15/22						
TST-2-21	1/17/25						

ENGINEER'S SEAL

COS-93-19.20

MODEL: Sheet PAPER: 34x22 (in.) DATE: 6/17/2026 TIME: 2:33:26 PM USER: lgreenwa pvc:\ohio\dot-pw-bentley.com\ohio\dot-pw-02\Documents\01 Active Projects\District 05\Coshocton\115365\400-Engineering\Roadway\Sheets\115365_GT001.dgn

TITLE SHEET

DESIGN AGENCY



DESIGNER	TAG
REVIEWER	TDF MM-DD-YY
PROJECT ID	115365
SHEET	TOTAL
P.1	57

ROADWAY (CONTINUED)

ITEM 606 - MGS BRIDGE TERMINAL ASSEMBLY, TYPE TST-2

REF #	STATION / DESCRIPTION	#	L	W	T	C.F.	EACH
1-G		1	x	x	x	÷ 1 =	1
2-G		1	x	x	x	÷ 1 =	1
3-G		1	x	x	x	÷ 1 =	1
4-G		1	x	x	x	÷ 1 =	1
TOTAL CARRIED TO GENERAL SUMMARY =							4

EROSION CONTROL

ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT

REF #	STATION / DESCRIPTION	RATE	L	W	T	C.F.	SQ YD
	REAR ABUTMENT	2	x 4	x 4	x	÷ 9 =	3.56
	FWD. ABUTMENT	2	x 4	x 4	x	÷ 9 =	3.56
TOTAL CARRIED TO GENERAL SUMMARY =							7.12

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC

REF #	STATION / DESCRIPTION	#	L	W	T	C.F.	CU YD
1-RC	LEFT CHANNEL BANK	1.12	x 164	x 15.4	x 2	÷ 27 =	209.5
2-RC	RIGHT CHANNEL BANK	1.12	x 185	x 15.4	x 2	÷ 27 =	236.4
3-RC	LEFT CHANNEL BANK - REAR ABUTMENT	1.12	x 59	x 9.2	x 2	÷ 27 =	45.0
4-RC	RIGHT CHANNEL BANK - FWD. ABUTMENT	1.12	x 59	x 9.2	x 2	÷ 27 =	45.0
TOTAL CARRIED TO GENERAL SUMMARY =							536

ITEM 611 - PRECAST REINFORCED CONCRETE OUTLET

REF #	STATION / DESCRIPTION	#	AREA (SF)	W	T	C.F.	EACH
	REAR ABUTMENT	2	x	x	x	÷ 1 =	2.0
	FWD. ABUTMENT	2	x	x	x	÷ 1 =	2.0
TOTAL CARRIED TO GENERAL SUMMARY =							4

CALCULATIONS

DESIGN AGENCY

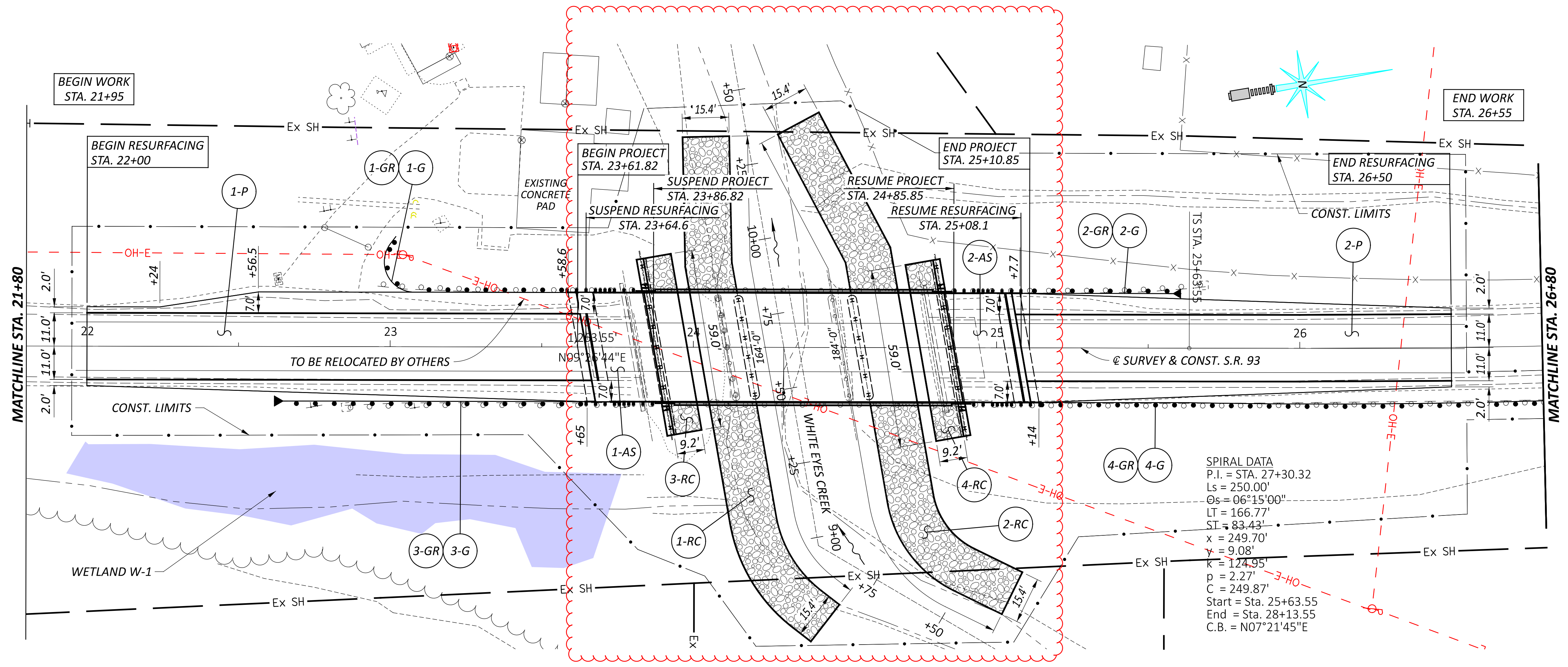


DESIGNER
TAG

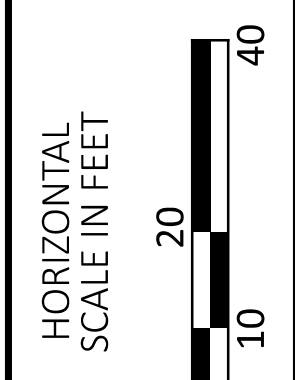
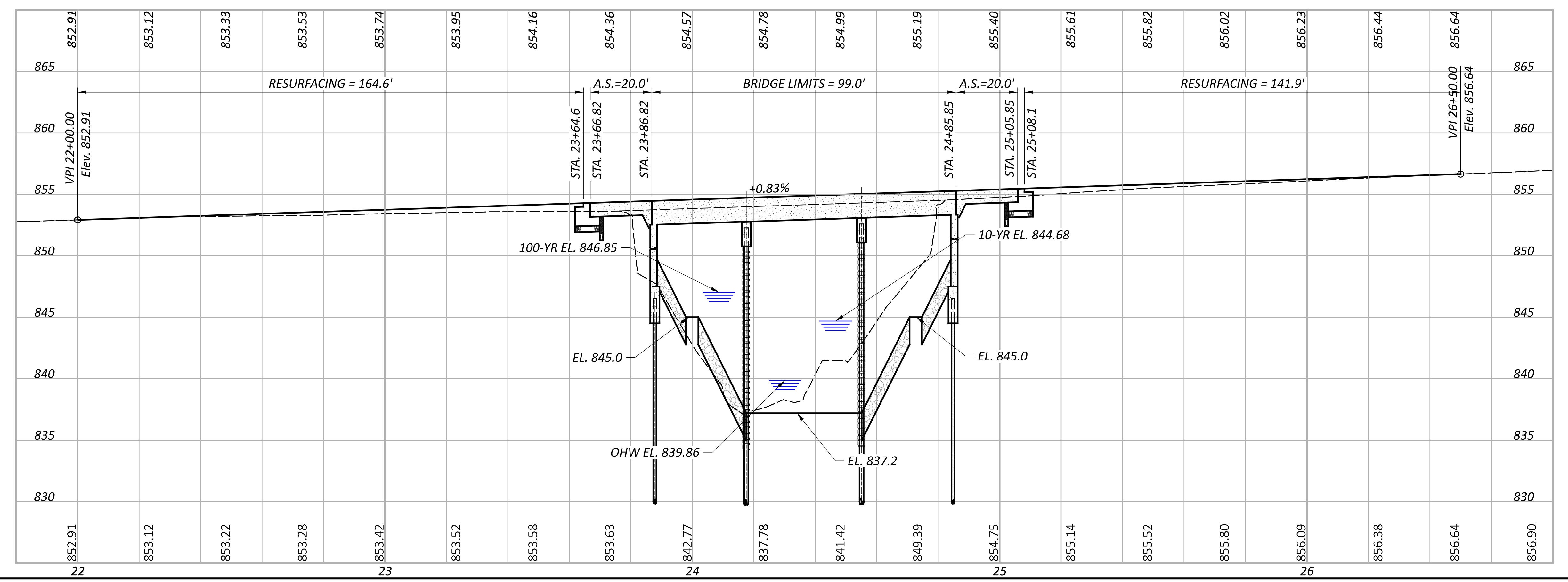
REVIEWER
TDF 3/06/26

PROJECT ID
115365

SHEET TOTAL
P.13 | 57



SPIRAL DATA
 P.I. = STA. 27+30.32
 Ls = 250.00'
 Δs = 06°15'00"
 LT = 166.77'
 ST = 83.43'
 x = 249.70'
 y = 9.08'
 K = 124.95'
 p = 2.27'
 C = 249.87'
 Start = Sta. 25+63.55
 End = Sta. 28+13.55
 C.B. = N07°21'45"E



PLAN AND PROFILE
 STA. 21+80 TO STA. 26+80

DESIGN AGENCY

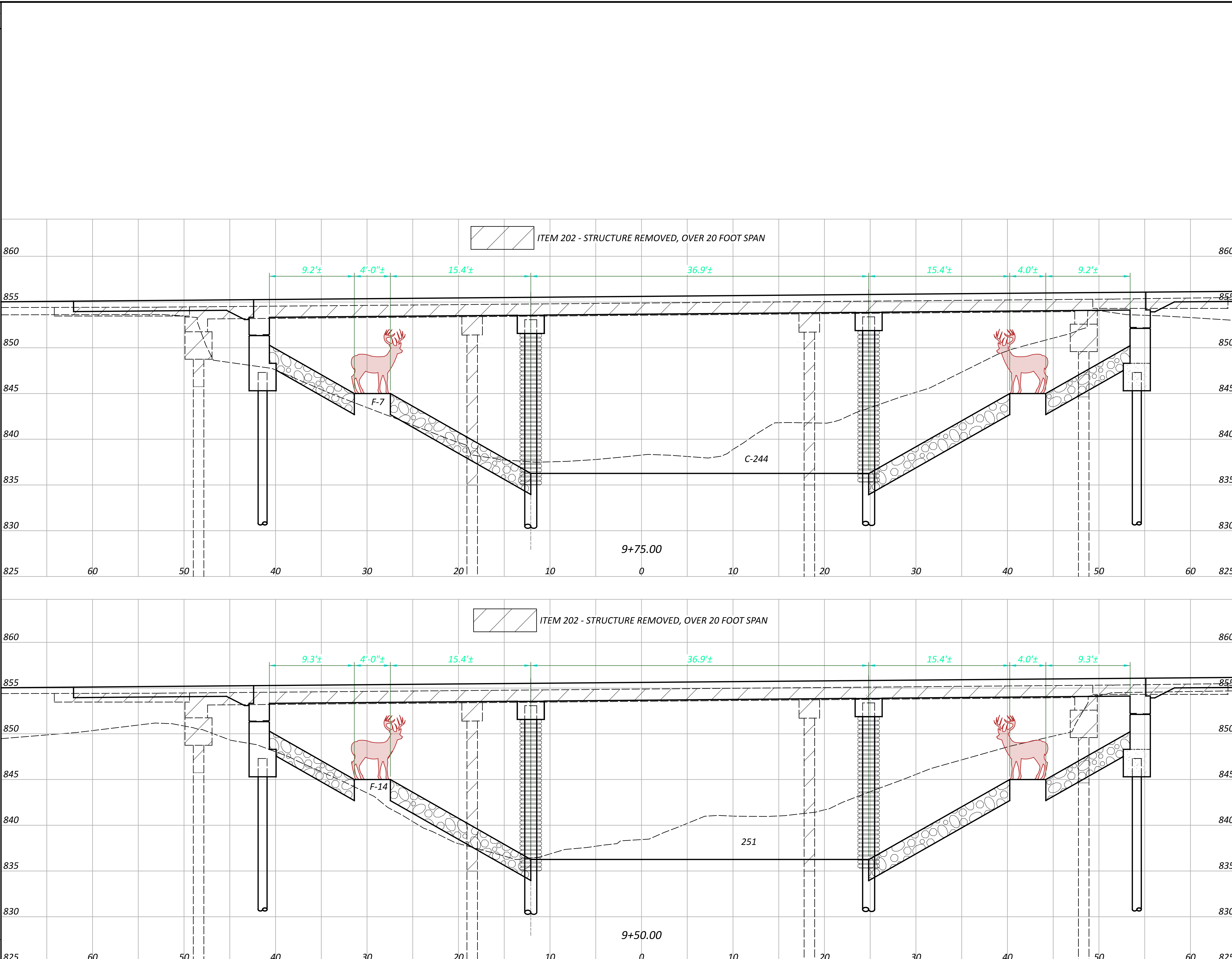


DESIGNER	TAG
REVIEWER	3/06/26
PROJECT ID	115365
SHEET	TOTAL
P.17	57

COS-93-19.20

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SEEDING	
END WIDTH	SQ. YDS.
SHEET TOTAL	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
SHEET TOTALS			

CHANNEL CROSS SECTIONS
 STA. 9+50 TO STA. 9+75

DESIGN AGENCY

DESIGNER
 TAG

REVIEWER
 XXX 6/16/26

PROJECT ID
 115365

SHEET TOTAL
 P.28C 57

COS-93-19.20

MODEL: Sheet PAPER: 34x22 (in.) DATE: 6/17/2026 TIME: 2:36:38 PM USER: lgreenwa
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COS-93-19.20						
SEEDING		STATION	END AREA		VOLUME	
END WIDTH	SQ. YDS.		CUT	FILL	CUT	FILL
AHEAD						
BEGIN SLOPE FEATHER						
20		21+75.00	0	0		
	146				0	20
85		22+00.00	0	44		
BACK						
BEGIN PAVEMENT WIDENING						
AHEAD						
85		22+00.00	22	44		
	242				22	48
89		22+25.00	25	59		
	213				30	52
64		22+50.00	39	53		
	182				34	53
67		22+75.00	34	62		
	192				30	63
71		23+00.00	31	73		
	213				28	77
82		23+25.00	29	93		
	226				27	98
81		23+50.00	29	119		
	106				13	52
81		23+61.82	29	119		
BACK						
SUSPEND PAVEMENT WIDENING / BEGIN EXCAVATION FOR REAR APPROACH SLAB						
AHEAD						
81		23+61.82	79	119		
	33				11	16
81		23+65.52	79	119		
BACK						
BEGIN EXCAVATION FOR REAR APPROACH SLAB/REMOVAL OF EXISTING APPROACH SLAB						
AHEAD						
81		23+65.52	28	119		
	87				10	42
85		23+75.00	28	119		
	107				12	50
85		23+86.32	28	119		
BACK						
END EXCAVATION FOR REAR APPROACH SLAB / BRIDGE LIMITS / BEGIN EXCAVATION FOR FORWARD APPROACH SLAB/REMOVAL OF EXISTING APPROACH SLAB						
AHEAD						
85		24+86.35	40	117		
	144				12	35
85		24+94.50	40	117		
BACK						
END REMOVAL OF FORWARD APPROACH SLAB						

COS-93-19.20						
SEEDING		STATION	END AREA		VOLUME	
END WIDTH	SQ. YDS.		CUT	FILL	CUT	FILL
CONTINUE EXCAVATION FOR FORWARD APPROACH SLAB						
AHEAD						
85		24+94.50	87	117		
	58				18	24
105		25+00.00	87	117		
	127				35	47
105		25+10.85	87	117		
BACK						
END EXCAVATION FOR FORWARD APPROACH SLAB / RESUME PAVEMENT WIDENING						
AHEAD						
105		25+10.85	33	94		
	159				17	49
97		25+25.00	33	94		
	265				31	87
94		25+50.00	35	93		
	247				31	90
84		25+75.00	33	101		
	246				30	92
93		26+00.00	32	97		
	260				28	84
94		26+25.00	29	85		
	261				27	79
94		26+50.00	29	85		
BACK						
END PAVEMENT WIDENING						
AHEAD						
94		26+50.00	0	85		
	158				0	39
20		26+75.00	0	0		
END SLOPE FEATHER						
BACK						
TOTAL						
AREA (SQ. YARDS)					VOLUME (CUBIC YARDS)	
SEEDING AND MULCHING					CUT	FILL
3672					446	1197

COS-93-19.20 CHANNEL CROSS SECTIONS						
SEEDING		STATION	END AREA		VOLUME	
END WIDTH	SQ. YDS.		CUT	FILL	CUT	FILL
BEGIN CHANNEL EXCAVATION						
AHEAD						
		8+25.00	0	0		
					19	0
		8+50.00	40	0		
					58	0
		8+75.00	86	0		
					99	0
		9+00.00	128	0		
					181	1
		9+25.00	263	2		
					238	7
		9+50.00	251	14		
					229	10
		9+75.00	244	7		
					157	3
		10+00.00	96	0		
					70	0
		10+25.00	56	0		
					26	0
		10+50.00	0	0		
BACK						
TOTAL						
AREA (SQ. YARDS)					VOLUME (CUBIC YARDS)	
SEEDING AND MULCHING					CUT	FILL
0					1077	21

ITEM 203 - EXCAVATION = 1077 CU.YD.
 ITEM 203 - EXCAVATION, AS PER PLAN = 446 CU.YD.
 ITEM 203 - EMBANKMENT = 1197 + 21 = 1210 CU.YD.

EARTHWORK CALCULATIONS

DESIGN AGENCY	
DESIGNER	TAG
REVIEWER	3/06/26
PROJECT ID	115365
SHEET TOTAL	P 29 57