STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

STA SR 241 14.58 (SRTS)

JACKSON TOWNSHIP

STARK COUNTY

LOCATION MAP

LATITUDE: N 40°47'55" LONGITUDE: W 81°30'50"

SCALE IN MILES

0 0.25 0.5 0.75 1

N

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

DESIGN DESIGNATION

	S.R. 241 (WALES RD NW)	MUDBROOK ST NW
CURRENT ADT (2024)	N/A	N/A
DESIGN YEAR ADT (2034)	N/A	N/A
DESIGN HOURLY VOLUME (2024)	N/A	N/A
DIRECTIONAL DISTRIBUTION	N/A	N/A
TRUCKS (24 HOUR B&C)	N/A	N/A
DESIGN SPEED	40 MPH	40 MPH
LEGAL SPEED	40 MPH	40 MPH

DESIGN FUNCTIONAL CLASSIFICATION:
WALES RD NW (S.R. 241) ARTERIAL, MUDBROOK ST NW: LOCAL
NHS PROJECT YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

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:
CIVPRO ENGINEERING, LLC
4450 Belden Village Street NW, Suite 800
Canton, Ohio 44718

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
TYPICAL SECTIONS	P.3
GENERAL NOTES	P.4-P.5
MAINTENACE OF TRAFFIC	P.6
GENERAL SUMMARY	P.7-P.7A
MISCELLANEOUS CALCALATIONS	P.8
PLAN AND PROFILE (MUDBROOK)	P.9-P.10
PLAN AND PROFILE (SCHOOL ENTRANCE)	P.11
PLAN AND PROFILE (SCHOOL PARKING)	P.12
PLAN AND PROFILE (BUS LOOP)	P.13
PLAN AND PROFILE (S.R. 241)	P.14-P.15
CROSS SECTIONS (MUDBROOK)	P.16-P.18
CROSS SECTIONS (SCHOOL ENTRANCE)	P.19-P.20
CROSS SECTIONS (SCHOOL PARKING)	P.21-P.23
CROSS SECTIONS (BUS LOOP)	P.24
CROSS SECTIONS (S.R. 241)	P.25-P.28
INTERSECTION AND CURB RAMP DETAILS	P.29-P.34
DRIVEWAY DETAILS	P.35-P.36
TRAFFIC CONTROL	P.37
STRUCTURE REPAIR (STA-241-14.676)	P.38-P.43

FEDERAL PROJECT NUMBER

E250424

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

CONSTRUCTION OF APPROXIMATELY 1312 LF OF CONCRETE WALK ALONG S.R. 241 (WALES RD NW) AND MUDBROOK RD NW. THIS INCLUDES THE MODIFICATION OF AN EXISTING BRIDGE TO ALLOW PEDESTRIAN TRAFFIC. INSTALLATION OF NECESSARY TRAFFIC CONTROL DEVICES.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.497 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)

2023 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Arthur G. Noirot Jr., P.E.
District 04 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS					SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1 1/19/2024	MT-95.31 7/18/25	TC-41.20 10/18/13			SS800 7/18/25	
BP-4.1 7/19/2013	MT-95.61 4/19/19	TC-42.20 10/18/13			SS821 4/20/12	
BP-5.1 7/18/2025		TC-52.10 10/18/13			SS832 7/18/25	
BP-7.1 7/18/2025	MT-97.10 7/18/25				SS921 7/19/24	
	MT-97.12 7/18/25	TC-74.10 7/21/23				
BR-2-15 7/19/2024						
DM-4.3 1/15/2016	MT-101.90 7/17/20					
DM-4.4 1/15/2016	MT-105.10 1/7/20					
	MT-110.10 7/19/13					
MGS-2.1 7/18/25						
MGS-3.1 7/18/25						
MGS-4.2 7/18/25						

ENGINEERS SEAL:

SIGNED:
DATE:

TITLE SHEET

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHEET P.1 SHEET 43

STA SR 241 14.58 (SRTS)

MODEL: SwFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
:\\Submittal-117553\CADFiles\Sheet Files\117553_GT001.dwg

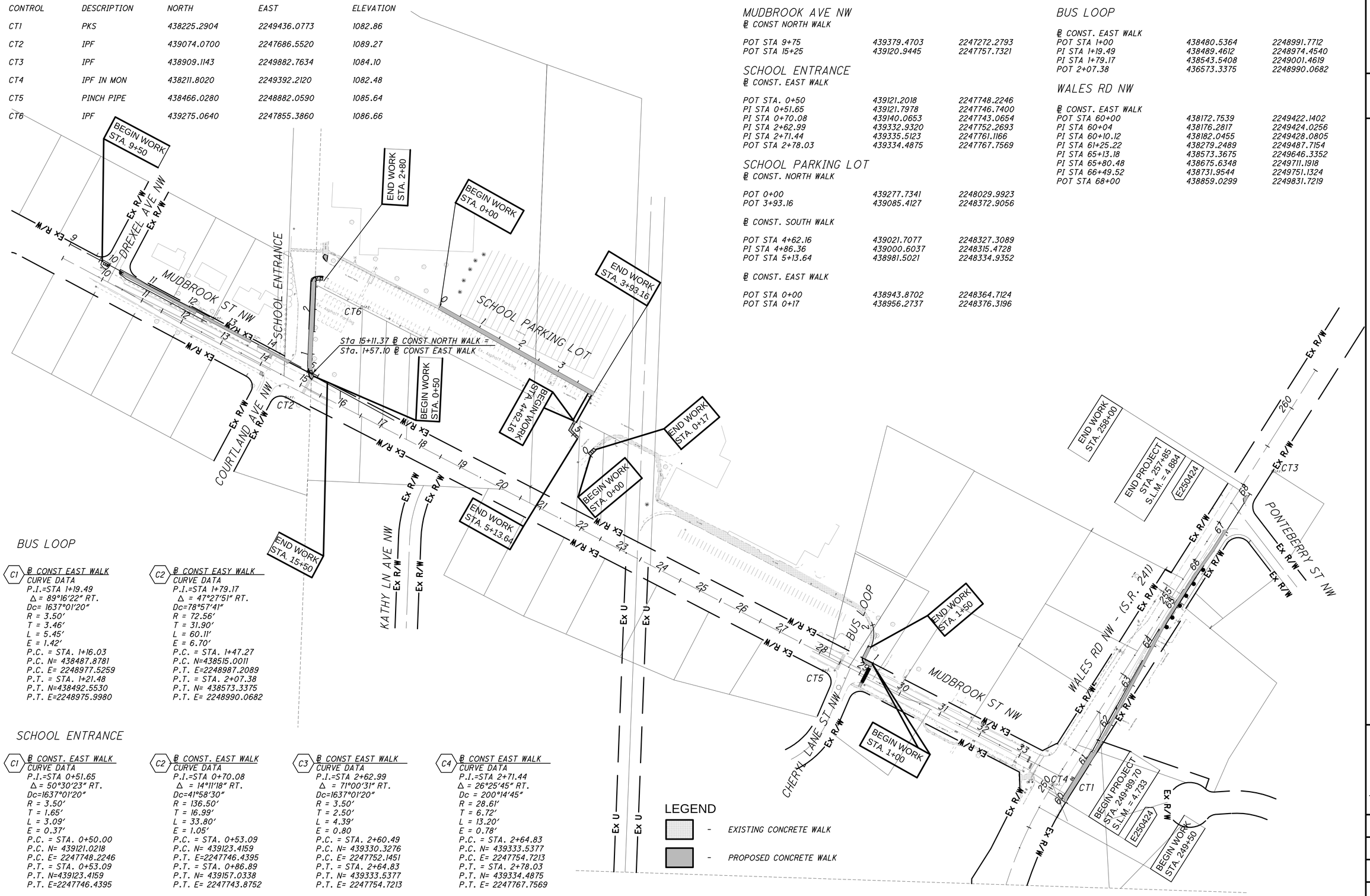
PROJECT CONTROL

CONTROL	DESCRIPTION	NORTH	EAST	ELEVATION
CT1	PKS	438225.2904	2249436.0773	1082.86
CT2	IPF	439074.0700	2247686.5520	1089.27
CT3	IPF	438909.1143	2249882.7634	1084.10
CT4	IPF IN MON	438211.8020	2249392.2120	1082.48
CT5	PINCH PIPE	438466.0280	2248882.0590	1085.64
CT6	IPF	439275.0640	2247855.3860	1086.66

BASELINE REFERENCE

LOCATION	NORTH	EAST
MUDBROOK AVE NW		
@ CONST NORTH WALK		
POT STA 9+75	439379.4703	2247272.2793
POT STA 15+25	439120.9445	2247757.7321
SCHOOL ENTRANCE		
@ CONST. EAST WALK		
POT STA. 0+50	439121.2018	2247748.2246
PI STA 0+51.65	439121.7978	2247746.7400
PI STA 0+70.08	439140.0653	2247743.0654
PI STA 2+62.99	439332.9320	2247752.2693
PI STA 2+71.44	439335.5123	2247761.1166
POT STA 2+78.03	439334.4875	2247767.7569
SCHOOL PARKING LOT		
@ CONST. NORTH WALK		
POT 0+00	439277.7341	2248029.9923
POT 3+93.16	439085.4127	2248372.9056
@ CONST. SOUTH WALK		
POT STA 4+62.16	439021.7077	2248327.3089
PI STA 4+86.36	439000.6037	2248315.4728
POT STA 5+13.64	438981.5021	2248334.9352
@ CONST. EAST WALK		
POT STA 0+00	438943.8702	2248364.7124
POT STA 0+17	438956.2737	2248376.3196

LOCATION	NORTH	EAST
BUS LOOP		
@ CONST. EAST WALK		
POT STA 1+00	438480.5364	2248991.7712
PI STA 1+19.49	438489.4612	2248974.4540
PI STA 1+79.17	438543.5408	2249001.4619
POT 2+07.38	436573.3375	2248990.0682
WALES RD NW		
@ CONST. EAST WALK		
POT STA 60+00	438172.7539	2249422.1402
PI STA 60+04	438176.2817	2249424.0256
PI STA 60+10.12	438182.0455	2249428.0805
PI STA 61+25.22	438279.2489	2249487.7154
PI STA 65+13.18	438573.3675	2249646.3352
PI STA 65+80.48	438675.6348	2249711.1918
PI STA 66+49.52	438731.9544	2249751.1324
POT STA 68+00	438859.0299	2249831.7219



BUS LOOP

C1 @ CONST EAST WALK
CURVE DATA
P.I.=STA 1+19.49
Δ = 89°16'22" RT.
Dc= 1637°01'20"
R = 3.50'
T = 3.46'
L = 5.45'
E = 1.42'
P.C. = STA. 1+16.03
P.C. N= 438487.8781
P.C. E= 2248977.5259
P.T. = STA. 1+21.48
P.T. N=438492.5530
P.T. E=2248975.9980

C2 @ CONST EASY WALK
CURVE DATA
P.I.=STA 1+79.17
Δ = 47°27'51" RT.
Dc=78°57'41"
R = 72.56'
T = 31.90'
L = 60.11'
E = 6.70'
P.C. = STA. 1+47.27
P.C. N=438515.0011
P.T. E=2248987.2089
P.T. = STA. 2+07.38
P.T. N= 438573.3375
P.T. E= 2248990.0682

SCHOOL ENTRANCE

C1 @ CONST. EAST WALK
CURVE DATA
P.I.=STA 0+51.65
Δ = 50°30'23" RT.
Dc=1637°01'20"
R = 3.50'
T = 1.65'
L = 3.09'
E = 0.37'
P.C. = STA. 0+50.00
P.C. N= 439121.0218
P.C. E= 2247748.2246
P.T. = STA. 0+53.09
P.T. N=439123.4159
P.T. E=2247746.4395

C2 @ CONST. EAST WALK
CURVE DATA
P.I.=STA 0+70.08
Δ = 14°11'18" RT.
Dc=41°58'30"
R = 136.50'
T = 16.99'
L = 33.80'
E = 1.05'
P.C. = STA. 0+53.09
P.C. N= 439123.4159
P.T. E=2247746.4395
P.T. = STA. 0+86.89
P.T. N= 439157.0338
P.T. E= 2247743.8752

C3 @ CONST EAST WALK
CURVE DATA
P.I.=STA 2+62.99
Δ = 71°00'31" RT.
Dc=1637°01'20"
R = 3.50'
T = 2.50'
L = 4.39'
E = 0.80
P.C. = STA. 2+60.49
P.C. N= 439330.3276
P.C. E= 2247752.1451
P.T. = STA. 2+64.83
P.T. N= 439333.5377
P.T. E= 2247754.7213

C4 @ CONST EAST WALK
CURVE DATA
P.I.=STA 2+71.44
Δ = 26°25'45" RT.
Dc = 200°14'45"
R = 28.61'
T = 6.72'
L = 13.20'
E = 0.78'
P.C. = STA. 2+64.83
P.C. N= 439333.5377
P.C. E= 2247754.7213
P.T. = STA. 2+78.03
P.T. N= 439334.4875
P.T. E= 2247767.7569

HORIZONTAL SCALE IN FEET
0 50 100 200

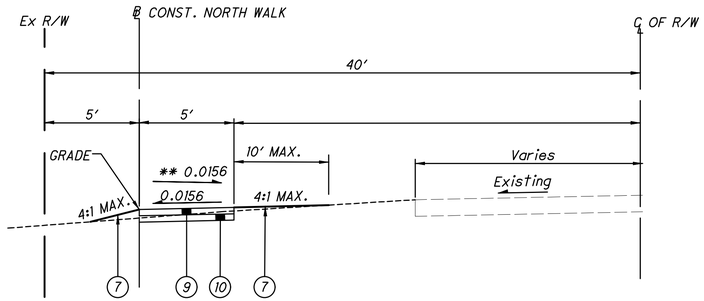
SCHEMATIC PLAN
STA. 20+00 TO STA. 23+50

STA SR 241 14.58 (SRTS)

MODEL: SwFL PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
\\Submittal-117553\CADDFiles\Sheet Files\117553_GB001.dwg

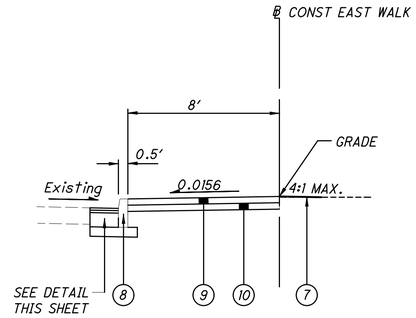
LOGO:
CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.2
SHEET	43



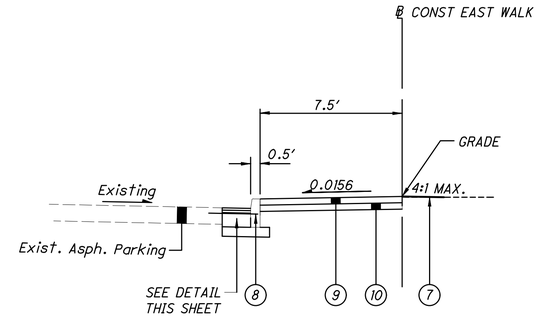
MUDBROOK ST NW
NORTH WALK - TYPICAL SECTION

STA. 9+85.87 TO STA. 9+90.87
STA. 10+35.77 TO STA. 12+00.00
** STA. 12+00.00 TO STA. 13+56.64
STA. 13+75.30 TO STA. 14+46.46



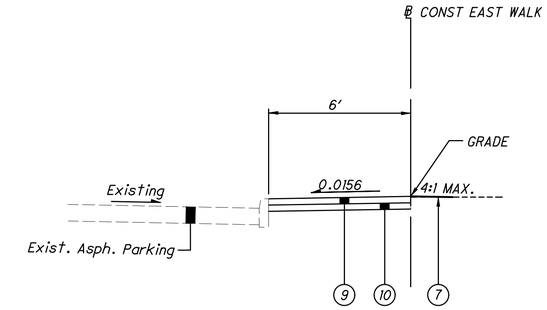
SCHOOL ENTRANCE
EAST WALK - TYPICAL SECTION

STA. 0+50.00 TO STA. 2+78.03



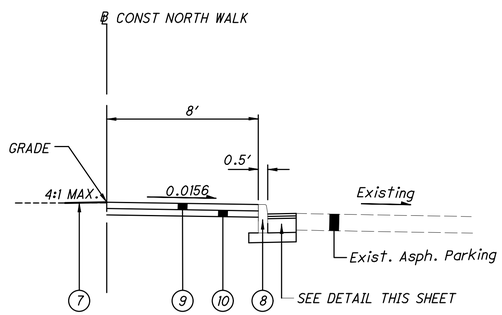
SCHOOL PARK
EAST WALK - TYPICAL SECTION

STA. 0+0.00 TO STA. 17+00.00



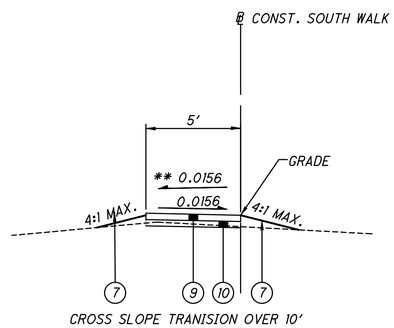
BUS LOOP
EAST WALK - TYPICAL SECTION

STA. 1+00.00 TO STA. 1+50.00



SCHOOL PARKING
NORTH WALK - TYPICAL SECTION

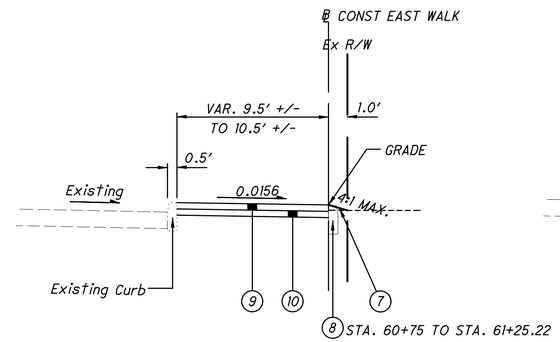
STA. 0+00.00 TO STA. 3+93.00



CROSS SLOPE TRANISION OVER 10'

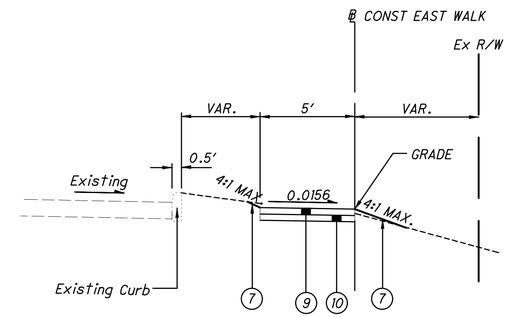
SCHOOL PARKING
SOUTH WALK - TYPICAL SECTION

STA. 4+62.16 TO STA. 5+13.64
STA. 10+35.77 TO STA. 12+00.00
** STA. 12+00.00 TO STA. 13+56.64
STA. 13+75.30 TO STA. 14+46.46



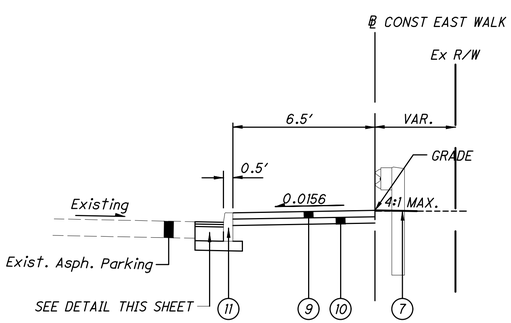
WALES RD NW (S.R. 241)
EAST WALK - TYPICAL SECTION

STA. 60+16.12 TO STA. 61+25.22



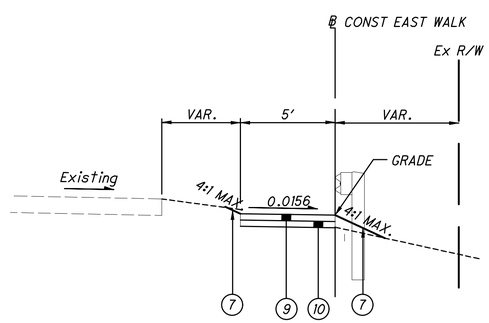
WALES RD NW (S.R. 241)
EAST WALK - TYPICAL SECTION

STA. 61+25.22 TO STA. 64+42.00



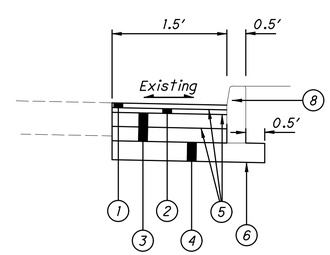
WALES RD NW (S.R. 241)
EAST WALK - TYPICAL SECTION

STA. 64+92.00 TO STA. 65+12.42
STA. 65+30.42 TO STA. 65+48.50



WALES RD NW (S.R. 241)
EAST WALK - TYPICAL SECTION

STA. 64+42.00 TO STA. 64+92.00
STA. 65+48.50 TO STA. 66+94.98
STA. 67+88.24 TO STA. 67+93.24



PAVEMENT REPAIR

PROPOSED LEGEND

1. ITEM 441-ASPHALT CONCRETE SURFACE COURSE TYPE 1, (449), PG64-22 [T=1 1/2"]
2. ITEM 441-ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 1, (449) [T=1 1/2"]
3. ITEM 301-9" ASPHALT CONCRETE BASE, PG64-22, (449) [T=9", TWO LIFTS]
4. ITEM 304-AGGREGATE BASE [T=6"]
5. ITEM 407-NON-TRACKING TACK COAT
6. ITEM 204-SUBGRADE COMPACTION
7. ITEM 659-SEEDING AND MULCHING
8. ITEM 609-CURB, TYPE 6
9. ITEM 608-4" CONCRETE WALK
10. ITEM 304-AGGREGATE BASE [T=4"]
11. ITEM 609-CURB, TYPE 7

TYPICAL SECTIONS

LOGO:
CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/18/2025
PROJECT ID: 117553
SHEET: P.3
SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: Sur-Ft; PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: twerner
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UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

OHIO EDISON STARK DIVISION 2600 S ERIE ST. JOSH TREGO (330) 830-7083	MASSILLON CABLE P.O. BOX 814 MASSILLON, OH 44646 JOE D-ONOFRIO (330) 809-6813 x133	AT&T 50 W. BOWERY, 6TH FLOOR AKRON, OH 44308 STEVE HYLTON (330) 631-7485	ENBRIDGE 320 SPRINGSIDE DR AKRON, OH 44333 NICK HARRISON (330)-592-6112
AQUA WATER P.O. BOX 584 MASSILLON, OH 44646 CHRIS HOSTETLER (330)832-5764 X50650	STARK COUNTY SANITARY 1701 MAHONING RD. NE CANTON, OH 44705 STEVE BELLANY (330) 451-2336	EVERSTREAM SOLUTIONS/ NORTHER LIGHTS 324 E. WISCONSIN AVE., SUITE 730 MILWAUKEE, WI 53202 MIKE HUANG (330) 340-9110	

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 P.M. AND 7:00 A.M. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS DATA COLLECTION PER 502.0H OF SURVEY MANUAL

MONUMENT TYPE: PROJECT CONTROL MONUMENT TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE NORTH ZONE (3401)

COMBINED SCALE FACTOR: 1.0000000000

ORIGIN OF COORDINATE SYSTEM: EASTING (X): 0, NORTHING (Y): 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

ITEM SPECIAL – SURVEY CONTROL VERIFICATION

THE CONTRACTOR SHALL PERFORM THIS WORK TO VERIFY THE PROVIDED SURVEY CONTROL. THE CONTRACTOR WILL PERFORM THE VERIFICATION USING ONE OF THE TWO METHODS BELOW
DEPENDENT UPON THE CONTRACTOR'S CHOSEN MEANS OFSURVEY CONTROL TO BE USED ON THE PROJECT. THE WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN OHIO LICENSED SURVEYOR.

1) IF USING GPS DEVICES TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL.
a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
b. PERFORM A SITE CALIBRATION UTILIZING THE AVAILABLE HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED IN THE PLAN.
c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

2) IF USING CONVENTIONAL SURVEY INSTRUMENTATION TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
b. LOCATE AND OBSERVE ANGLE AND DISTANCE TO ALL AVAILABLE HORIZONTAL CONTROL POINTS PROVIDE IN THE PLAN
c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM FOR ITEM SPECIAL – SURVEY CONTROL VERIFICATION.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA.. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

DRIVEWAY REMOVAL

THE CONTRACTOR SHALL EXERCISE CARE IN THE REMOVAL OF EXISTING DRIVES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING DRIVEWAY MATERIAL. INSTALL TOPSOIL AND SEED AND MULCH PER ODOT ITEM 659 AROUND EACH DRIVEWAY AS NEEDED. PAYMENT FOR ALL WORK NECESSARY TO PERFORM THE ABOVE RESTORATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE. DRIVEWAYS OR CONCRETE CURB TO BE REMOVED SHALL BE SAW CUT, FULL DEPTH, AT THE REMOVAL LIMITS TO PROVIDE A STRAIGHT, CLEAN LINE FOR RESTORATION AS DIRECTED BY ODOT CMS SECTION 202.05.

SIDEWALK NOTES:

1. ALL PROPOSED CONCRETE WALK SHALL BE 5'-0" WIDE UNLESS INDICATED OTHERWISE.

2. CONCRETE AND OR ASPHALT REMOVED IS TO BE HAULED OFFSITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR. EXCAVATED SOIL MATERIAL IS TO BE USED ONSITE AS DIRECTED BY THE ENGINEER. EXCESS MATERIAL NOT USED IS TO BE REMOVED OFFSITE AND DISPOSED OF BY THE CONTRACTOR.

3. IF CONTRACTOR CONSTRUCTS WALK DURING PERIODS OF COLD TEMPERATURES, THE WALK MUST BE PROTECTED FROM FROST AND COLD BY COVERING THE WALK WITH BLANKETS, ESPECIALLY AT NIGHT. THIS WORK SHALL BE DONE AT NO ADDITIONAL COST TO THE PROJECT.

REVIEW OF CURB RAMPS

PRIOR TO THE START OF WORK, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT AND CONTRACTOR OF ALL CURB RAMPS INCLUDED IN THE PROJECT LIMITS. PRIOR TO THE INSPECTION, THE CONTRACTOR SHALL MARK THE WORK LIMITS OF ALL CURB RAMPS AND ASSOCIATED WORK TO IDENTIFY ANY CONDITIONS THE CONTRACTOR CANNOT BRING INTO ADA COMPLIANCE PER BP-7.1. THE DEPARTMENT SHALL HAVE TEN (10) BUSINESS DAYS TO RESOLVE ANY SUCH ANTICIPATED NON-COMPLIANCE WITH AN ADA WAIVER, QUANTITY CHANGE OR DESIGN REVISION PRIOR TO THE START OF WORK.

IMMEDIATELY FOLLOWING INSTALLATION OF FORMWORK FOR CURB RAMP CONCRETE PLACEMENT AND PRIOR TO PLACEMENT OF CONCRETE, THE CONTRACTOR SHALL VERIFY ADA COMPLIANCE BASED UPON MEASUREMENT OF THE FORMS. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY NON-COMPLIANT ADA CONDITIONS MEASURED BY THE CONTRACTOR WITHIN THE WORK LIMITS. THE ENGINEER SHALL HAVE THREE (3) BUSINESS DAYS TO RESOLVE ANY SUCH NONCOMPLIANCE WITH A CORRECTIVE FORM LAYOUT, ADA WAIVER, QUANTITY CHANGE OR DESIGN CHANGE PRIOR TO THE PLACEMENT OF CONCRETE.

THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY ADA NON-COMPLIANCE FOR ALL ISSUES NOT REPORTED TO THE ENGINEER IN THE INITIAL INSPECTION AND/OR THE FORM INSTALLATION MEASUREMENT. MODIFICATION OF FORMS INTO A COMPLIANT CONFIGURATION AND/OR REMOVAL AND RECONSTRUCTION OF FINISHED WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 608 CURB RAMP ITEMS.

ITEM SPECIAL – AS-BUILT CONSTRUCTION PLANS

PRIOR TO FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL FURNISH THE DEPARTMENT FORMAL AS-BUILT ONSTRUCTION PLANS. THE FORMAL AS-BUILT CONSTRUCTION PLANS SHALL INCLUDE ALL RED-LINED CHANGES. RED-LINE CHANGE SHALL BE DENOTED UTILIZING CLOUDING IN MICROSTATION (OR OTHER CAD SOFTWARE) OR CLOUDING IN PDF EDITING SOFTWARE. THE AS-BUILT CONSTRUCTION PLANS SHALL HAVE A SIGNED VERIFICATION ON THE TITLE SHEET FROM THE CONTRACTOR INDICATING THAT ALL RED-LINED AND FIELD CHANGES HAVE BEEN INCORPORATED INTO AS-BUILT CONSTRUCTION PLANS.

THE CONTRACTOR'S VERIFICATION STATEMENT INDICATES ALL KNOWN FIELD MODIFICATIONS MADE HAVE BEEN INCLUDED IN THE FORMAL AS-BUILT CONSTRUCTION PLANS. THE CONTRACTOR'S VERIFICATION STATEMENT SHALL BE SIGNED BY THE CONTRACTOR'S PROJECT MANAGER (OR ACCEPTABLE REPRESENTATIVE).

IN ADDITION TO THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS, THE AS BUILT CONSTRUCTION PLANS SHALL SHOW THE FOLLOWING:

1. ALL DEVIATIONS FROM THE ORIGINAL APPROVED CONSTRUCTION PLANS WHICH RESULT IN A CHANGE OF LOCATION, MATERIAL, TYPE OR SIZE OF WORK
2. ANY UTILITIES, PIPES, WELLHEADS, ABANDONED PAVEMENTS, FOUNDATIONS OR OTHER MAJOR OBSTRUCTIONS DISCOVERED AND REMAINING IN PLACE WHICH ARE NOT SHOWN, OR DO NOT CONFORM TO LOCATIONS OR DEPTHS SHOWN IN THE PLANS. UNDERGROUND FEATURES SHALL BE SHOWN AND LABELED ON THE AS-BUILT CONSTRUCTION PLANS IN TERMS OF STATION, OFFSET AND ELEVATION.
3. THE FINAL OPTION AND SPECIFICATION NUMBER SELECTED FOR THOSE ITEMS WHICH ALLOW SEVERAL MATERIAL OPTIONS UNDER THE SPECIFICATION (E.G., CONDUIT).
4. CHANGES TO THE PAY ITEMS AND FINAL QUANTITIES AS PAID SHALL BE SHOWN ON THE GENERAL SUMMARY AND SUBSUMMARIES.
5. ADDITIONAL PLAN SHEETS MAY BE NEEDED IF NECESSARY TO SHOW WORK NOT INCLUDED IN THE CONSTRUCTION PLANS. IF ADDITIONAL PLAN SHEETS ARE NEEDED, THEY ARE REQUIRED TO BE PREPARED IN CONFORMANCE WITH THE LOCATION AND DESIGN MANUAL, VOLUME 3, SECTION 1200 – PLAN PREPARATION.

NOTATION SHALL ALSO BE MADE OF LOCATIONS AND THE EXTENT OF USE OF MATERIALS, OTHER THAN SOIL, FOR EMBANKMENT CONSTRUCTION (ROCK, BROKEN CONCRETE WITHOUT REINFORCING STEEL, ETC.).

THE PLAN INDEX SHALL SHOW THE PLAN SHEETS WHICH HAVE CHANGES APPEARING ON THEM.

TWO COPIES OF THE AS-BUILT CONSTRUCTION PLANS SHALL BE DELIVERED TO THE PROJECT ENGINEER FOR APPROVAL UPON COMPLETION OF THE PHYSICAL WORK BUT PRIOR TO THE REQUEST FOR FINAL PAYMENT. AFTER THE DEPARTMENT HAS APPROVED THE AS-BUILT CONSTRUCTION PLANS, THE ASSOCIATED ELECTRONIC FILES SHALL BE DELIVERED TO THE DISTRICT CAPITAL PROGRAMS ADMINISTRATOR. ACCEPTANCE OF THESE PLANS AND DELIVERY OF THE ASSOCIATED ELECTRONIC FILES IS REQUIRED PRIOR TO THE WORK BEING ACCEPTED AND THE FINAL ESTIMATE APPROVED.

PAYMENT FOR ALL THE ABOVE SHALL BE LUMP SUM UPON PROPER EXECUTION OF ALL WORK OF THIS ITEM AS DETERMINED BY THE PROJECT ENGINEER.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENTIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURE'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 60 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

Federal Aviation Administration
Southwest Regional Office
Obstruction Evualuation Group
10101 Hillwood Parkway
Fort Worth, TX 76177
Fax: (817) 222-5920
http://ceaaa.faa.gov

Ohio Department of Transportation
Office Aviation
2829 West Dublin-Granville Road
Columbus, Ohio 43235
Ohio.airport.protection@dot.ohio.gov

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	116 CY
659, SEEDING AND MULCHING	1040 SY
659, COMMERCIAL FERTILIZER	0.14 TONS
659, LIME	0.03 ACRES
659 WATER	6 M GAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCT/ON LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS

ITEM 608 - CURB RAMP, AS PER PLAN

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, INSTALLATION OF THE CURB RAMPS / DETECTABLE WARNINGS WILL BE PERFORMED PRIOR TO MAINLINE RESURFACING.

IN ADDITION TO THE CMS REQUIREMENTS OF ITEM 608 CURB RAMP, THIS ITEM SHALL INCLUDE THE RESTORATION OF THE ADJACENT AREAS DISTURBED FOR THE INSTALLATION OF CURB RAMPS AND IMMEDIATELY ADJACENT CONCRETE WALK. RESTORATION SHALL INCLUDE PLACEMENT OF ITEM 659 TOPSOIL, ITEM 659 COMMERCIAL FERTILIZER, ITEM 659 SEEDING AND MULCHING, AND ITEM 659 WATER, ALL PER CMS.

PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PERFORM THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PID PRICE FOR ITEM 608 - CURB RAMP, AS PER PLAN.

INTERIM COMPLETION DATE

ALL SIDEWALK, DRIVEWAYS AND CURB RAMPS MUST BE COMPLETE AND ACCESSIBLE FOR UNINTERRUPTED PUBLIC USE BY 8/17/2026.

ALL WORK PERFORMED AFTER 8/17/2026 MUST BE DONE BETWEEN THE HOURS LISTED BELOW.

*	SUNDAY	APPROVAL REQUIRED
*	MONDAY	9:00 AM TO 2:00 PM
*	TUESDAY	9:00 AM TO 2:00 PM
*	WEDNESDAY	9:00 AM TO 2:00 PM
*	THURSDAY	9:00 AM TO 2:00 PM
*	FRIDAY	9:00 AM TO 2:00 PM
*	SATURDAY	APPROVAL REQUIRED

ITEM 614, MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND AS FOLLOWS.

1. A MINIMUM OF ONE 10 FOOT LANE SHALL BE MAINTAINED IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.

2. IN THE EVENT THAT THE NORTHBOUND LANE OF WALES RD NW (S.R. 241) MUST BE CLOSED DURING WORKING HOURS TO RECONSTRUCT THE CURB AND SIDEWALK, THE LANE SHALL BE CLOSED UTILIZING MT-95.31, MT-97.10, MT-97.12 OR MT-95.61 AS APPLICABLE. ALL LANES SHALL BE OPEN TO TRAFFIC DURING NON- WORKING HOURS.

3. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.

4. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.

5. ALL FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SHALL BE COMPLETED THE SAME DAY THE EXCAVATION IS MADE. IF THE CONTRACTOR CANNOT COMPLETE THE WORK, THE EXCAVATION SHALL BE BACKFILLED OR PROTECTED AS PER STANDARD CONSTRUCTION DRAWING MT-101.90.

6. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.

7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEED TWO (2) MILES RURAL OR ONE (1) MILE URBAN.

8. THE FOLLOWING RESTRICTION APPLIES TO WORK PREFORMED BETWEEN 6/01/2026 AND 8/17/2026. FOR ROUTES NOT ON THE PERMITTED LANE CLOSURE CHART, ONLY DURING OFF-PEAK PERIODS (ie ANY PERIOD OTHER THAN 7-9AM AND 2-4PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.

9. THE FOLLOWING RESTRICTION APPLIES TO WORK PREFORMED AFTER 8/17/2026. THE CONTRACTOR SHALL INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE IN COMPLIANCE WITH RESTRICTIONS LISTED WITH THE SHEET 5 INTERIM COMPLETION DATE NOTE. ANY WEEKEND WORK PERFORMED AFTER 8/17/2026 SHALL REQUIRE PROJECT ENGINEER PRE-APPROVAL.

10. A QUANTITY OF 10 CU. YDS. OF (ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MARINATING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.

11. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE PASSABLE CONDITION ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHENEVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

MAINTAINING STREETS

ALL STREETS SHALL HAVE CONTINUOUS, 2 LANE, BI- DIRECTIONAL ACCESS TO WALES RD AND MUDBROOK ST, EXCEPT DURING CURB RAMP CONSTRUCTION WITHIN THE INTERSECTION. TRAFFIC MAY BE RESTRICTED TO A SINGLE, BI-DIRECTIONAL LANE. THIS REQUIRES FLAGGER OPERATION IN ACCORDANCE WITH STANDARD DRAWING MT-97.10.

LOCAL ACCESS

INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL RESIDENTIAL AND COMMERCIAL PROPERTIES. DRIVEWAY CLOSURE MAY BE NECESSARY TO ENABLE WORK ON OR IN FRONT OF A DRIVE AND THAT ACCESS MAY BE RESTRICTED FOR A LIMITED AMOUNT OF TIME TO COMPLETE THE DRIVE WORK WITH SUFFICIENT TIME FOR CONCRETE STRENGTH GAIN. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING OWNERS, RESIDENTS, OR BUSINESS OPERATORS IN WRITING AT LEAST 48 HOURS BUT NOT MORE THAN 72 HOURS PRIOR TO CLOSURE. THE ENGINEER SHALL BE GIVEN A LIST OF THE PERSONS THAT WERE GIVEN NOTICES WITH THE DATE OF NOTICE INCLUDED. PROPERTIES WITH MULTIPLE DRIVES MAY HAVE ONE DRIVE CLOSED AT A TIME, WHILE WORK IS PERFORMED IN THE AREA OF THE CLOSED DRIVE.

INDIVIDUAL DRIVE CLOSURES SHALL BE KEPT TO THE MINIMUM TIME NEEDED FOR CONSTRUCTION ACTIVITIES. EVERY EFFORT MUST BE MADE TO ACCOMMODATE THE OWNER'S NEED FOR ACCESS.

PEDESTRIAN SAFETY

THE SAFETY OF PEDESTRIAN TRAFFIC SHALL BE CONSIDERED AT ALL TIMES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LIGHTS, SIGNS, BARRICADES, AND OTHER DEVICES TO WARN AND PHYSICALLY SEPARATE THE PEDESTRIANS FROM HAZARDS INCIDENTAL TO THE CONSTRUCTION AND/OR INSTALLATION OF THE REQUIRED TRAFFIC CONTROL AND ROADWAY ITEMS SUCH AS ANCHOR BOLTS, OPEN EXCAVATIONS, ETC. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, SUCH PEDESTRIAN PROTECTION SHALL UTILIZE, BUT NOT BE LIMITED TO, DRUMS, TEMPORARY FENCE, TYPE 1, TYPE 2 OR TYPE 3 BARRICADES. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH STANDARD DRAWING MT-110.10.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 2 MG

COMPLETION OF PEDIESTRAIN FACILITIES

ALL SIDEWALK, DRIVEWAYS AND CURB RAMPS INCLUDED IN THIS PROJECT SHALL BE COMPLETE AND ACCESSIBLE FOR UNINTERRUPTED PUBLIC USE BY 8/17/2026. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF $2000 PER DAY THAT ANY PORTION OF THE PEDESTRAIN FACILITIES REMAIN INCLETE AND INACCESSABLE FOR PUBLIC USE.

TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP &	> 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE	> 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES & RESTRICTIONS	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED)	GENERAL/REGULAR ELECTION DAY (NOV)
MEMORIAL DAY	THANKSGIVING
FOURTH OF JULY (OBSERVED)	CHRISTMAS (OBSERVED)
LABOR DAY	(OTHER HOLIDAY OR SPECIAL EVENT)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

ASPHALT PAVING LIMITATION

THE CONTRACTOR SHALL NOT ANTICIPATE OR SCHEDULE PLACING ASPHALT (ASPHALT SURFACE COURSE, ASPHALT INTERMEDIATE COURSE, ASPHALT CONCRETE BASE, ETC.) BETWEEN NOVEMBER 1 AND APRIL 1 WHEN SUBMITTING THEIR INITIAL BAR CHART PROGRESS SCHEDULE TO THE DISTRICT CONSTRUCTION ENGINEER (DCE) AS SPECIFIED IN CMS SECTION 108.02A. THIS LIMITATION SHALL ALSO INCLUDE INITIAL BASE LINE SCHEDULES AND ALL UPDATES IF A CPM SCHEDULE IS REQUIRED.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

CRITERIA

ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,

AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,

AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS'DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE SHIFT DURATION SHALL NOT BE LESS THAN THE LEO'S MINIMUM SHOW-UP TIME REQUIRED BY THEIR LAW ENFORCEMENT AGENCY. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 80 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

TIME LIMITATION, CURB RAMP

THE MAXIMUM ALLOWABLE TIME FOR THE CONTRACTOR TO HAVE AN INDIVIDUAL CURB RAMP AND ASSOCIATED SIDEWALK LEADING INTO THE CURB RAMP OUT OF SERVICE FOR THE REMOVAL AND REPLACEMENT SHALL BE 14 CONSECUTIVE
CALENDAR DAYS (THE TIME PERIOD INCLUDES ALL WORK LISTED IN THE BASIS OF PAYMENT PER CMS 608.09, INCLUDING ALL REMOVAL, REPLACEMENT, AND BACKFILL ASSOCIATED WITH THE CURB RAMPS, AND CURING TIME PERIOD).

AT THE CONCLUSION OF CONSTRUCTING OF THE CURB RAMP AND PRIOR TO OPENING TO PEDESTRIAN TRAFFIC THE CONTRACTOR SHALL ENSURE THAT THE REQUIREMENTS OF STANDARD CONSTRUCTION DRAWING BP-7.1 ARE MET. THE CONTRACTOR SHALL USE ASPHALT AS A WEDGE, OR SUBMIT ANOTHER METHOD APPROVED BY THE ENGINEER, TO ENSURE THE TRANSITION FROM THE CURB RAMP TO THE ROADWAY ARE PER STANDARD CONSTRUCTION DRAWING BP-7.1. ALL COSTS TO PERFORM THIS WORK SHALL BE INCIDENTAL TO THE ASSOCIATED PAY ITEMS FOR THE INSTALLATION OF THE CURB RAMP.

SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF $1000 PER DAY PER AFFECTED RAMP THAT THE AFFECTED CURB RAMP REMAINS OUT OF SERVICE BEYOND 14 CONSECUTIVE CALENDAR DAYS..

SHEET NUMBER												PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	8	9	10	11	13	14	15	37	39		01/NFA/ JACK						
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
			128			57	6	89					280	202	30000	280	SF	WALK REMOVED	
			17		8	247		12	57				341	202	32000	341	FT	CURB REMOVED	
									166				166	202	38000	166	FT	GUARDRAIL REMOVED	
			322										322	203	10000	322	CY	EXCAVATION	
			70										70	203	20000	70	CY	EMBANKMENT	
			1459										1459	204	10000	1459	SY	SUBGRADE COMPACTION	
									75				75	606	15050	75	FT	GUARDRAIL, TYPE MGS	
									2				2	606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
									2				2	606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
			3196	938	949	1227	261	2267	1344				10182	608	10000	10182	SF	4" CONCRETE WALK	
			330	68	124	377	175	138	108				1320	608	52001	1320	SF	CURB RAMP, AS PER PLAN	P.5
LS													LS	SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	P.4
LS													LS	SPECIAL	69098400	LS		SURVEY CONTROL VERIFICATION	P.4
																		EROSION CONTROL	
	2												2	659	00100	2	EACH	SOIL ANALYSIS TEST	
	116												116	659	00300	116	CY	TOPSOIL	
	1040												1040	659	10000	1040	SY	SEEDING AND MULCHING	
	0.14												0.14	659	20000	0.14	TON	COMMERCIAL FERTILIZER	
	0.03												0.03	659	31000	0.03	ACRES	LIME	
	6												6	659	35000	6	MGAL	WATER	
	8500												8500	832	30000	8500	EACH	EROSION CONTROL	P.4
																		DRAINAGE	
								1					1	611	99660	1	EACH	MANHOLE RECONSTRUCTED TO GRADE	
																		PAVEMENT	
			33										33	301	56000	33	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			181										162	304	20000	181	CY	AGGREGATE BASE	
			44										44	407	20000	44	GAL	NON-TRACKING TACK COAT	
			6										6	441	70000	6	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
			6										6	441	70200	6	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	
			109										109	452	12050	109	SY	8" NON-REINFIRCED CONCRETE PAVEMENT, CLASS QC MS	
			379			206		126					711	609	26000	711	FT	CURB, TYPE 6	
									35				35	609	28000	35	FT	CURB, TYPE 7	
																		SANITARY SEWER	
								2					2	611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	
																		TRAFFIC CONTROL	
										4			4	614	13314	4	EACH	BARRIER REFLECTOR, TYPE 3 BIDIRECTIONAL	P.15
										56			56	630	02100	56	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	P.37
										4			4	630	08600	4	EACH	SIGN POST REFLECTOR	P.37
										33			33	630	80100	33	SF	SIGN, FLAT SHEET	P.37
										0.1			0.1	646	10010	0.10	MILE	EDGE LINE, 6"	
										390			390	646	10520	390	FT	CROSSWALK LINE 24"	
										244			244	646	50100	244	FT	REMOVAL OF PAVEMENT MARKING	
																		TRAFFIC SIGNALS	
							1						1	625	31507	1	EACH	PULL BOX REMOVED AND REPLACED, AS PER PLAN	P.14
																		STRUCTURE REPAIRS	
																		FOR STA-241-14.676 ESTIMATED QUANITIES	
																			P.40
																		MAINTENANCE OF TRAFFIC	
	80										80		80	614	11110	80	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	10										10		10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
	2										2		2	616	10000	2	MGAL	WATER	
											2		2	614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
											4		4	614	13350	4	EACH	OBJECT MARKER, ONE WAY	
											4		4	614	13310	4	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
											0.05		0.05	614	21100	0.05	MILE	WORK ZONE CENTER LINE, CLASS 1, 642 PAINT	
											0.05		0.05	614	22100	0.05	MILE	WORK ZONE EDGE LINE, CLASS 1, 4", 642 PAINT	
											150		150	622	41100	150	FT	PORTABLE BARRIER, UNANCHORED	

GENERAL SUMMARY

STA SR 241 14.58 (SRTS)

MODEL: SurFi, PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
:\Submittal-117553\CADFiles\Sheet Files\117553_GG001.dwg

LOGO:

CIVPRO ENGINEERING

DESIGNER: FPW

REVIEWER / DATE: KAD 12/17/2025

PROJECT ID: 117553

SHEET: P.7

SHEET: 43

SHEET NUMBER												PARTICIPATION	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	8	9	10	11	13	14	15		37		01/NFA/ JACK					
																	INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC
													6	619	16010	6	MNTH	FIELD OFFICE, TYPE B
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING
													LS	624	10000	LS		MOBILIZATION

GENERAL SUMMARY

STA SR 241 14.58 (SRTS)

MODEL: SuvFi, PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
:\Submittal-117553\CADFiles\Sheet Files\117553_GG001.dwg

LOGO:

CIVPRO ENGINEERING

DESIGNER: FPW

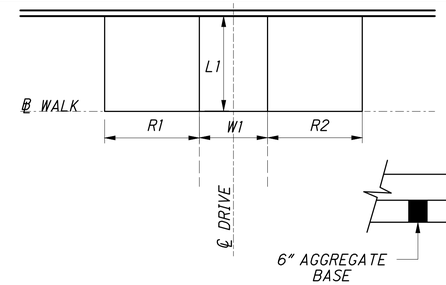
REVIEWER / DATE: KAD 12/17/2025

PROJECT ID: 117553

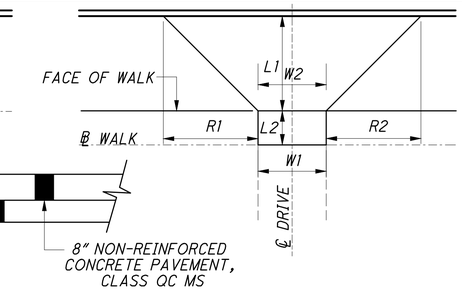
SHEET: P.7A

SHEET: 43

SHEET NO.	REFERENCE NO.	STATION	SIDE	DRIVE TYPE	DRIVE ANGLE	APRON LENGTH "L1"	DRIVEWAY LENGTH "L2"	WIDTH "W1"	WIDTH "W2"	R1	R2	SURFACE AREA	203 EXCAVATION	204 SUBGRADE COMPACTION	304 6" AGGREGATE BASE	452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS
					DEG.	FT.	FT.	FT.	FT.	FT.	FT.	SQ. FT.	CY	SY	CY	SY
P.35	DR-1	2+11.5	LT	1	APP	8	0	33	0	7	7	376	13.9	41.8	7.0	41.8
P.36	DR-2	62+20.12	RT	2	APP	10	5	22.08	28.58	9.96	8.47	317	11.73	35.2	5.9	35.2
P.36	DR-3	64+10.93	RT	2	APP	10	5	30.58	37.47	10.44	9.1	310	11.47	34.4	5.9	34.4
TOTALS CARRIED TO GENERAL SUMMARY													37	109	19	109



TYPE 1 DRIVEWAY PLAN VIEW (TYPICAL)



TYPE 2 DRIVEWAY PLAN VIEW (TYPICAL)

SUBSUMMARY FROM SHEET P.12

REF NO.	STATION FROM	STATION TO	SIDE	202 CURB REMOVED	202 WALK REMOVED	608 4" CONCRETE WALK	609 CURB, TYPE 6	608 CURB RAMP, AS PER PLAN		
				LF	SF	SF	LF	SF		
SW7	0+00.00	3+78.50	RT			3028				
SW9	04+68.90	5+06.32	LT			168				
R5	0+00.00	17+00.00	LT	17	128					
CR9	3+78.5	3+93.16	RT					125		
CR10	4+62.16	4+68.90	RT					34		
CR11	5+06.32	5+13.64	LT					35		
CR12	0+00	0+17	LT					136		
C2	0+00	3+78.5	LT				379			
TOTALS CARRIED TO GENERAL SUMMARY				17	128	3196	379	330		

SHEET NO.	LOCATION	203 EXCAVATION	203 EMBANKMENT	659 SEEDING AND MULCHING
		CY	CY	
P.16	MUDBROOK RD NW (STA 9+75 TO STA 11+75)	17	3	SEE SHEET 4
P.17	MUDBROOK RD NW (STA 11+75 TO STA 13+75.30)	24	5	
P.18	MUDBROOK RD NW (STA 13+75.30 TO STA 14+50)	8	1	
P.19	SCHOOL ENTRANCE (STA 0+25 TO STA 1+95)	38	7	
P.20	SCHOOL ENTRANCE (1+95 TO STA 2+75.03)	26	2	
P.21	SCHOOL PARKING (STA 0+00 TO STA 2+50)	58	24	
P.22	SCHOOL PARKING (STA 2+50 TO STA 3+93)	41	5	
P.23	SCHOOL PARKING (STA 4+62.16 TO STA 5+13.64)	5	1	
P.24	BUS LOOP (STA 1+00 TO STA. 1+75)	9	6	
P.25	WALES RD NW (SR 241) (STA 60+00 TO STA 61+75)	17	5	
P.26	WALES RD NW (SR 241) (STA 61+75 TO STA 63+97)	9	4	
P.27	WALES RD NW (SR 241) (STA 63+97 TO STA 65+80.48)	21	3	
P.28	WALES RD NW (SR 241) (STA 65+80.48 TO STA 68+00)	12	4	
	TOTALS CARRIED TO GENERAL SUMMARY	285	70	1040

ITEM 407-NON-TRACKING TACK COAT

ENTIRE PROJECT - 141 SY
(141) (0.1) (3) = 44 GAL

TOTAL = 44 GAL

ITEM 204-SUBGRADE COMPACTION

MUDBROOK ST NW
STA. 9+96.5 TO STA. 9+97.26
(5) (2.5) (1/9) = 1.39 SY
STA. 10+26.94 TO STA. 10+30.29
(6) (2.5) (1/9) = 1.67 SY
STA. 14+08 TO STA. 14+13
(10) (2.5) (1/9) = 2.78 SY
STA. 14+52.03 TO STA. 14+55.40
(8) (2.5) (1/9) = 2.22 SY
SCHOOL ENTRANCE
STA. 0+50 TO STA. 2+78.03
(252) (2.5) (1/9) = 70.00 SY
STA. 2+59 TO STA. 2+64.83
(11) (2.5) (1/9) = 3.06 SY
SCHOOL PARKING
NW
STA. 0+00 TO STA. 3+93.16
(401) (2.5) (1/9) = 111.39 SY
SW
STA. 4+62.16 TO STA. 4+62.16
(5) (2.5) (1/9) = 1.39 SY
STA. 5+13.64 TO STA. 5+12.72
(5) (2.5) (1/9) = 1.39 SY
SW
STA. 0+00 TO STA. 0+17
(17) (2.5) (1/9) = 4.72 SY
BUS LOOP
STA. 1+00 TO STA. 1+05
(6) (2.5) (1/9) = 1.67 SY
WALES RD NW
STA. 60+04.66 TO STA. 60+16.5
(12) (2.5) (1/9) = 3.33 SY
STA. 65+00 TO STA. 65+13.18
(13.18) (2.5) (1/9) = 3.66 SY
STA. 65+31.18 TO STA. 65+41
(9.82) (2.5) (1/9) = 2.73 SY
STA. 67+00.20 TO STA. 67+07.27
(11) (2.5) (1/9) = 3.06 SY
STA. 67+76.52 TO STA. 67+83.55
(11) (2.5) (1/9) = 3.06 SY
UNDER WALK AREA
COMPLETE PROJECT
(10196) (1/9) = 1132.89 SY

TOTAL = 1350 SY

ITEM 441-ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22

MUDBROOK ST NW
STA. 9+96.5 TO STA. 9+97.26
(5) (1.5) (0.125) (1/27) = 0.035 CY
STA. 10+26.94 TO STA. 10+30.29
(6) (1.5) (0.125) (1/27) = 0.417 CY
STA. 14+08 TO STA. 14+13
(10) (1.5) (0.125) (1/27) = 0.070 CY
STA. 14+52.03 TO STA. 14+55.40
(8) (1.5) (0.125) (1/27) = 0.056 CY
SCHOOL ENTRANCE
STA. 0+50 TO STA. 2+78.03
(252) (1.5) (0.125) (1/27) = 1.750 CY
STA. 2+59 TO STA. 2+64.83
(11) (1.5) (0.125) (1/27) = 0.077 CY
SCHOOL PARKING
NW
STA. 0+00 TO STA. 3+93.16
(401) (1.5) (0.125) (1/27) = 2.785 CY
SW
STA. 4+62.16 TO STA. 4+62.16
(5) (1.5) (0.125) (1/27) = 0.035 CY
STA. 5+13.64 TO STA. 5+12.72
(5) (1.5) (0.125) (1/27) = 0.035 CY
SW
STA. 0+00 TO STA. 0+17
(17) (1.5) (0.125) (1/27) = 0.118 CY
BUS LOOP
STA. 1+00 TO STA. 1+05
(6) (1.5) (0.125) (1/27) = 0.042 CY
WALES RD NW
STA. 60+04.66 TO STA. 60+16.5
(12) (1.5) (0.125) (1/27) = 0.084 CY
STA. 65+00 TO STA. 65+13.18
(13.18) (1.5) (0.125) (1/27) = 0.092 CY
STA. 65+31.18 TO STA. 65+41
(9.82) (1.5) (0.125) (1/27) = 0.069 CY
STA. 67+00.20 TO STA. 67+07.27
(11) (1.5) (0.125) (1/27) = 0.077 CY
STA. 67+76.52 TO STA. 67+83.55
(11) (1.5) (0.125) (1/27) = 0.077 CY

TOTAL = 6 CY

ITEM 441-ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)

MUDBROOK ST NW
STA. 9+96.5 TO STA. 9+97.26
(5) (1.5) (0.125) (1/27) = 0.035 CY
STA. 10+26.94 TO STA. 10+30.29
(6) (1.5) (0.125) (1/27) = 0.417 CY
STA. 14+08 TO STA. 14+13
(10) (1.5) (0.125) (1/27) = 0.070 CY
STA. 14+52.03 TO STA. 14+55.40
(8) (1.5) (0.125) (1/27) = 0.056 CY
SCHOOL ENTRANCE
STA. 0+50 TO STA. 2+78.03
(252) (1.5) (0.125) (1/27) = 1.750 CY
STA. 2+59 TO STA. 2+64.83
(11) (1.5) (0.125) (1/27) = 0.077 CY
SCHOOL PARKING
NW
STA. 0+00 TO STA. 3+93.16
(401) (1.5) (0.125) (1/27) = 2.785 CY
SW
STA. 4+62.16 TO STA. 4+62.16
(5) (1.5) (0.125) (1/27) = 0.035 CY
STA. 5+13.64 TO STA. 5+12.72
(5) (1.5) (0.125) (1/27) = 0.035 CY
SW
STA. 0+00 TO STA. 0+17
(17) (1.5) (0.125) (1/27) = 0.118 CY
BUS LOOP
STA. 1+00 TO STA. 1+05
(6) (1.5) (0.125) (1/27) = 0.042 CY
WALES RD NW
STA. 60+04.66 TO STA. 60+16.5
(12) (1.5) (0.125) (1/27) = 0.084 CY
STA. 65+00 TO STA. 65+13.18
(13.18) (1.5) (0.125) (1/27) = 0.092 CY
STA. 65+31.18 TO STA. 65+41
(9.82) (1.5) (0.125) (1/27) = 0.069 CY
STA. 67+00.20 TO STA. 67+07.27
(11) (1.5) (0.125) (1/27) = 0.077 CY
STA. 67+76.52 TO STA. 67+83.55
(11) (1.5) (0.125) (1/27) = 0.077 CY

TOTAL = 6 CY

ITEM 301 ASPHALT CONCRETE BASE, PG64-22, (449)

MUDBROOK ST NW
STA. 9+96.5 TO STA. 9+97.26
(5) (1.5) (0.75) (1/27) = 0.209 CY
STA. 10+26.94 TO STA. 10+30.29
(6) (1.5) (0.75) (1/27) = 0.250 CY
STA. 14+08 TO STA. 14+13
(10) (1.5) (0.75) (1/27) = 0.417 CY
STA. 14+52.03 TO STA. 14+55.40
(8) (1.5) (0.75) (1/27) = 0.334 CY
SCHOOL ENTRANCE
STA. 0+50 TO STA. 2+78.03
(252) (1.5) (0.75) (1/27) = 10.500 CY
STA. 2+59 TO STA. 2+64.83
(11) (1.5) (0.75) (1/27) = 0.459 CY
SCHOOL PARKING
NW
STA. 0+00 TO STA. 3+93.16
(401) (1.5) (0.75) (1/27) = 16.709 CY
SW
STA. 4+62.16 TO STA. 4+62.16
(5) (1.5) (0.75) (1/27) = 0.209 CY
STA. 5+13.64 TO STA. 5+12.72
(5) (1.5) (0.75) (1/27) = 0.209 CY
SW
STA. 0+00 TO STA. 0+17
(17) (1.5) (0.75) (1/27) = 0.709 CY
BUS LOOP
STA. 1+00 TO STA. 1+05
(6) (1.5) (0.75) (1/27) = 0.250 CY
WALES RD NW
STA. 60+04.66 TO STA. 60+16.5
(12) (1.5) (0.75) (1/27) = 0.500 CY
STA. 65+00 TO STA. 65+13.18
(13.18) (1.5) (0.75) (1/27) = 0.550 CY
STA. 65+31.18 TO STA. 65+41
(9.82) (1.5) (0.75) (1/27) = 0.410 CY
STA. 67+00.20 TO STA. 67+07.27
(11) (1.5) (0.75) (1/27) = 0.459 CY
STA. 67+76.52 TO STA. 67+83.55
(11) (1.5) (0.75) (1/27) = 0.459 CY

TOTAL = 33 CY

ITEM 304-AGGREGATE BASE

MUDBROOK ST NW
STA. 9+96.5 TO STA. 9+97.26
(5) (0.5) (2.5) (1/27) = 0.23 CY
STA. 10+26.94 TO STA. 10+30.29
(6) (0.5) (2.5) (1/27) = 0.28 CY
STA. 14+08 TO STA. 14+13
(10) (0.5) (2.5) (1/27) = 0.46 CY
STA. 14+52.03 TO STA. 14+55.40
(8) (0.5) (2.5) (1/27) = 0.37 CY
SCHOOL ENTRANCE
STA. 0+50 TO STA. 2+78.03
(252) (0.5) (2.5) (1/27) = 11.67 CY
STA. 2+59 TO STA. 2+64.83
(11) (0.5) (2.5) (1/27) = 0.51 CY
SCHOOL PARKING
NW
STA. 0+00 TO STA. 3+93.16
(401) (0.5) (2.5) (1/27) = 18.56 CY
SW
STA. 4+62.16 TO STA. 4+62.16
(5) (0.5) (2.5) (1/27) = 0.23 CY
STA. 5+13.64 TO STA. 5+12.72
(5) (0.5) (2.5) (1/27) = 0.23 CY
SW
STA. 0+00 TO STA. 0+17
(17) (0.5) (2.5) (1/27) = 0.79 CY
BUS LOOP
STA. 1+00 TO STA. 1+05
(6) (0.5) (2.5) (1/27) = 0.28 CY
WALES RD NW
STA. 60+04.66 TO STA. 60+16.5
(60) (0.5) (2.5) (1/27) = 0.56 CY
STA. 65+00 TO STA. 65+13.18
(13.18) (0.5) (2.5) (1/27) = 0.61 CY
STA. 65+31.18 TO STA. 65+41
(9.82) (0.5) (2.5) (1/27) = 0.45 CY
STA. 67+00.20 TO STA. 67+07.27
(11) (0.5) (2.5) (1/27) = 0.51 CY
STA. 67+76.52 TO STA. 67+83.55
(11) (0.5) (2.5) (1/27) = 0.51 CY
UNDERWALK AREA
COMPLETE PROJECT
(10196) (0.33) (1/27) = 124.62 CY

TOTAL = 162 CY

MISCELLANEOUS CALCULATIONS

LOGO:
CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/18/2025
PROJECT ID: 117553
SHEET: P.8
SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: SurFi. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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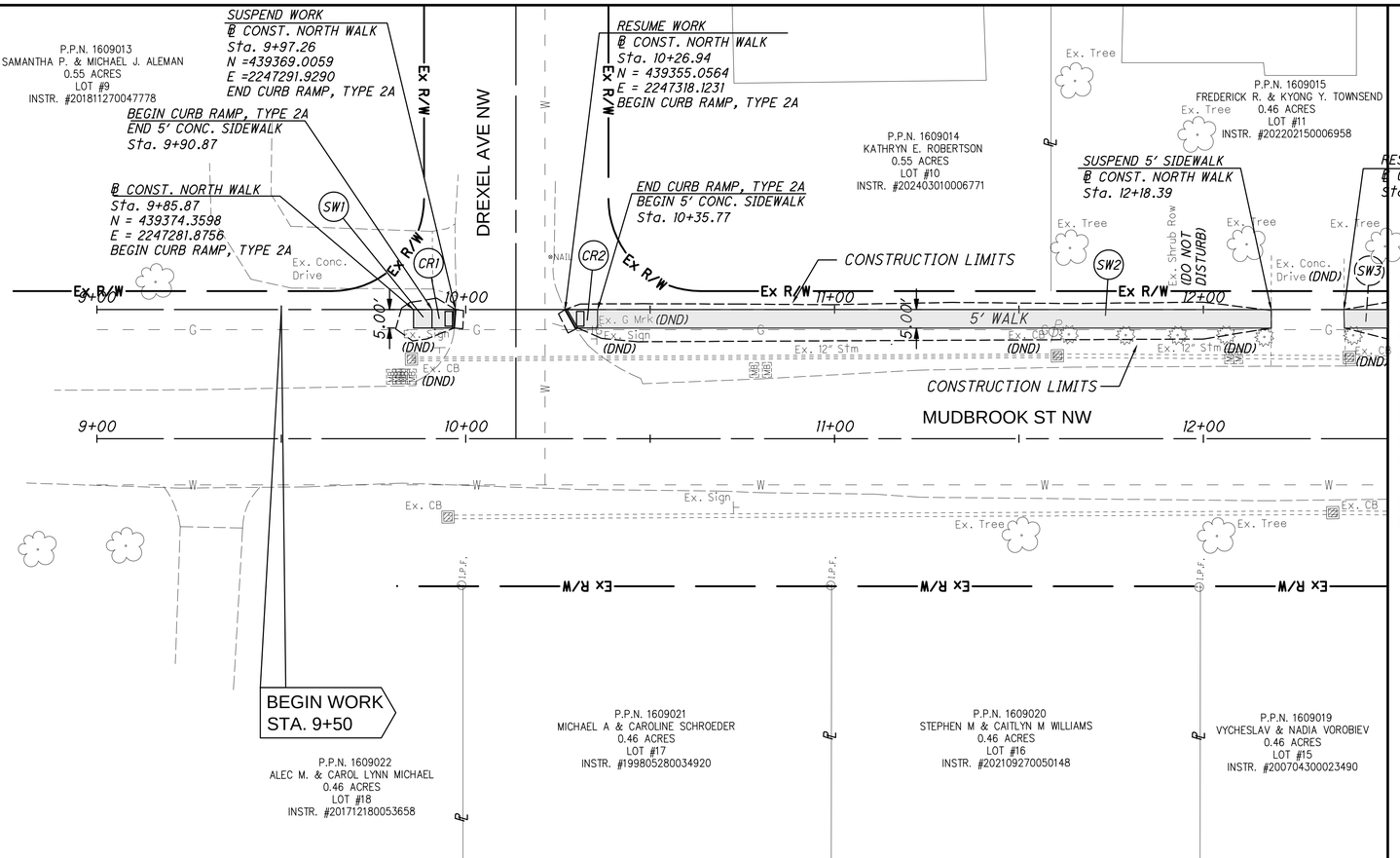

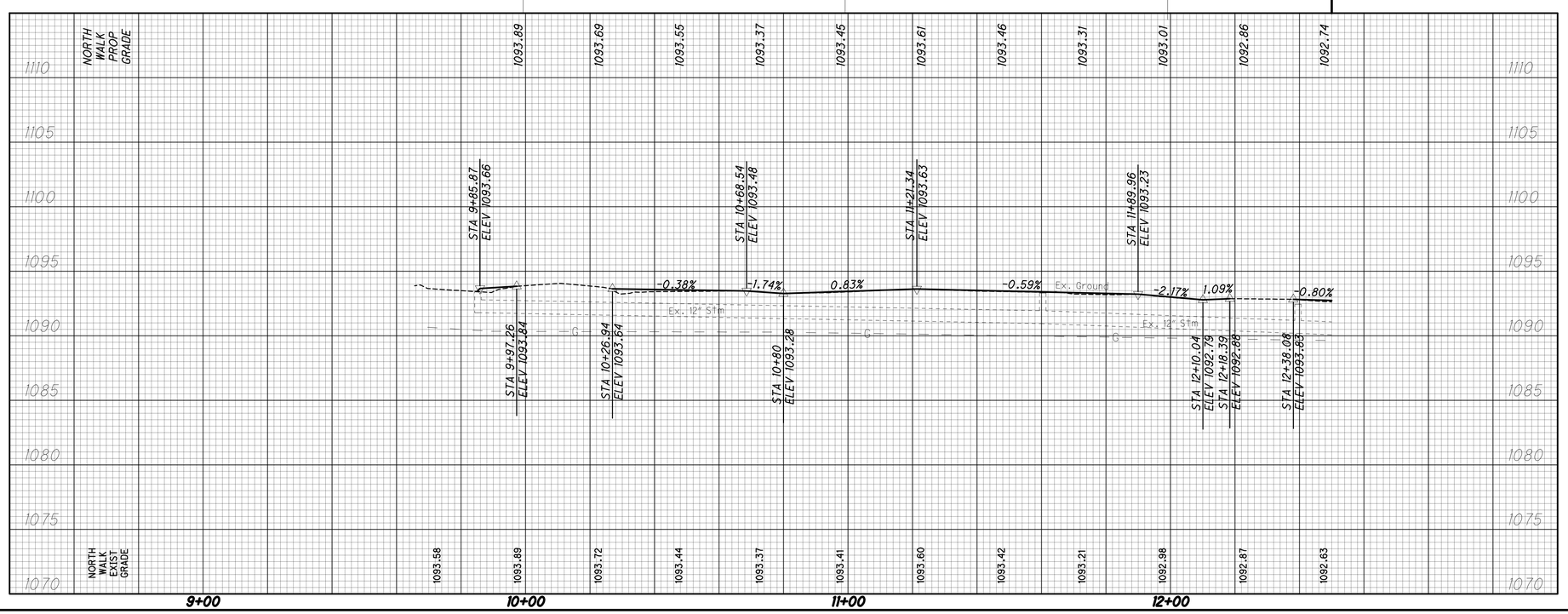

REF NO.	STATION FROM	STATION TO	SIDE	4" CONCRETE WALK 608 SF	CURB, TYPE 6 609 LF	CURB RAMP, AS PER PLAN 608 SF
SW1	9+85.87	9+90.87	LT	25		
SW2	10+35.77	12+18.39	LT	913		
CR1	9+90.87	9+97.26	LT			31
CR2	10+26.94	10+35.77	LT			37
TOTALS CARRIED TO GENERAL SUMMARY				938		68

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - MUDBROOK ST NW
STA. 9+00 TO STA. 12+50

LOGO: CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/17/2025
PROJECT ID: 117553
SHEET: P.9
SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: SixFL PAPERSIZE: 34x22 (In.) DATE: 12/17/2025 USER: fwerner
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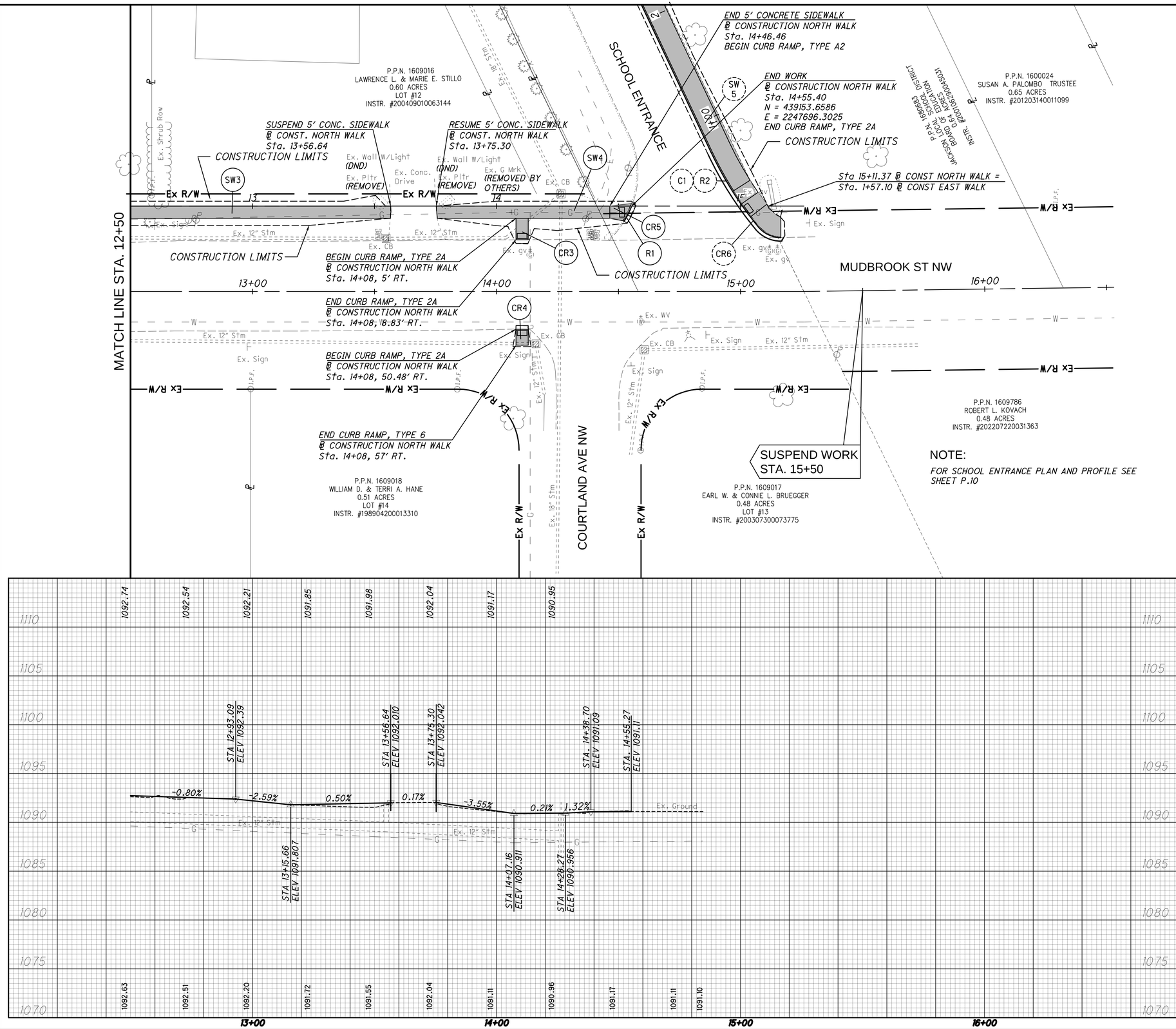

REF NO.	STATION FROM	STATION TO	SIDE	202 CURB REMOVED (SF)	608 4" CONCRETE WALK (SF)	609 CURB, TYPE 6 (LF)	608 CURB RAMP, AS PER PLAN (LF)
SW3	12+38.12	13+56.64	LT		593		
SW4	13+75.30	14+46.46	LT		356		
R1	14+53.03	14+55.72	LT	8			
CR3	14+08.00	14+13.00	LT				44
CR4	14+08	14+13	RT				33
CR5	14+46.46	14+55.40	LT				47
TOTALS CARRIED TO GENERAL SUMMARY				8	949		124

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - MUDBROOK ST NW
STA. 12+00 TO STA. 15+50

LOGO:
CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/17/2025
PROJECT ID: 117553
SHEET: P.10
SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: SurvFt; PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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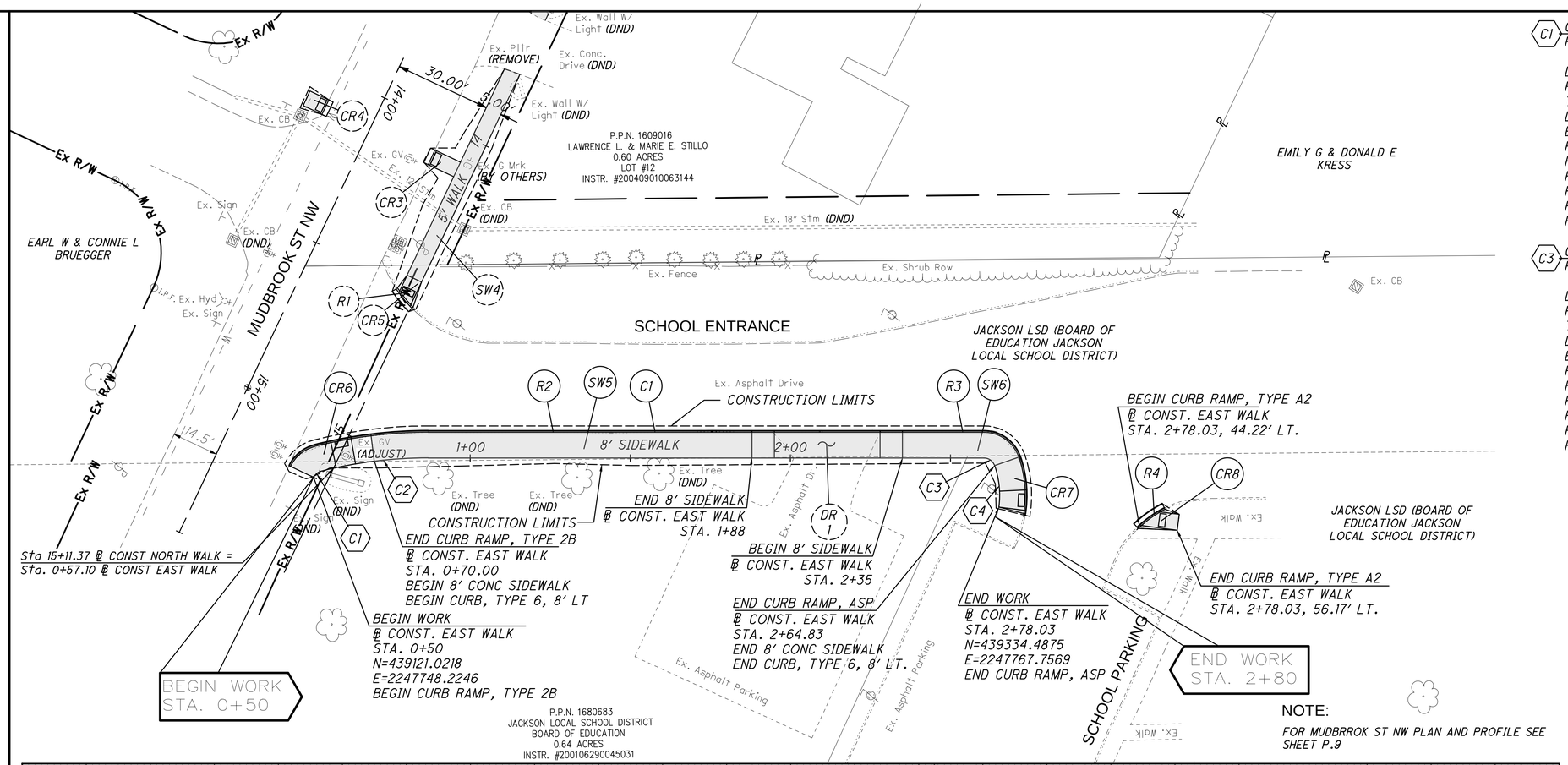


NOTE:

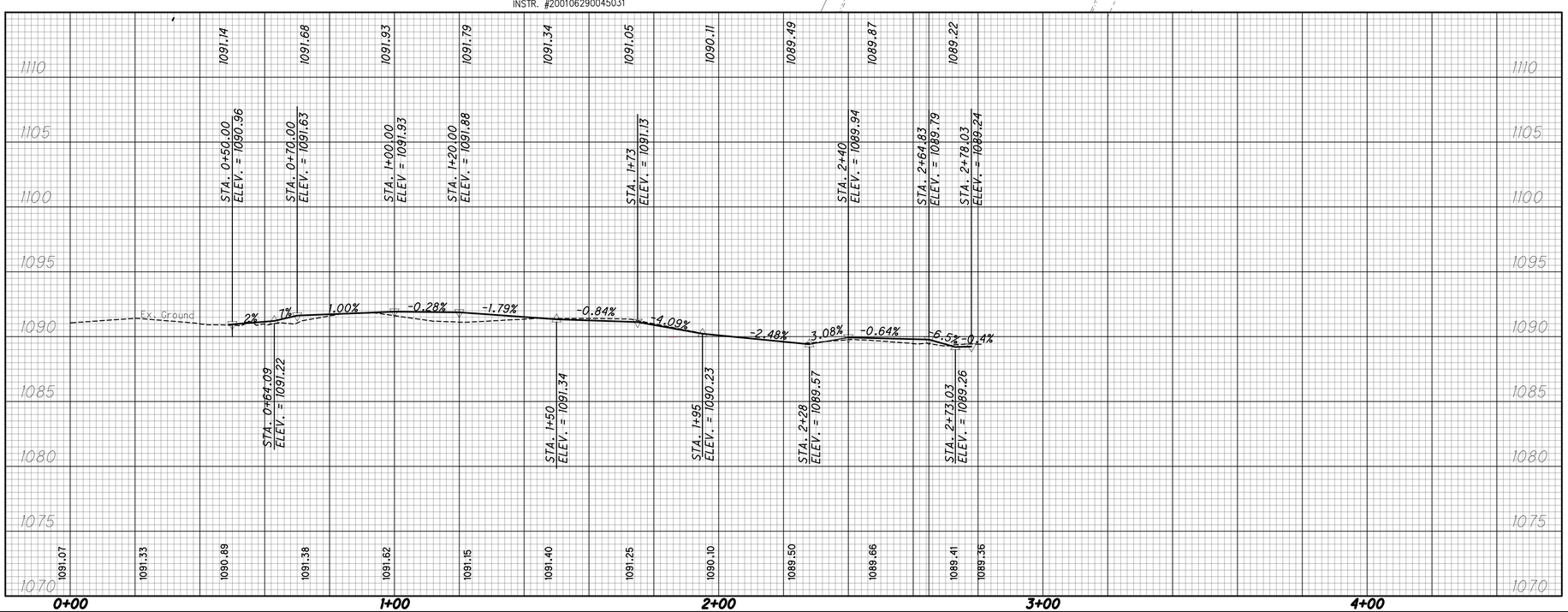
FOR MUDBRROK ST NW PLAN AND PROFILE SEE SHEET P.9

C1 CURVE DATA
P.I.=STA 0+51.65
= 50°30'23" RT.
Dc=1637°01'20"
R = 3.50'
T = 1.65'
L = 3.09'
E = 0.37'
P.C. = STA. 0+50.00
P.C. N= 439121.0218
P.C. E= 2247748.2246
P.T. = STA. 0+53.09
P.T. N=439123.4159
P.T. E=2247746.4395

C2 CURVE DATA
P.I.=STA 0+70.08
= 14°11'18" RT.
Dc=41°58'30"
R = 136.50'
T = 16.99'
L = 33.80'
E = 1.05'
P.C. = STA. 0+53.09
P.C. N= 439123.4159
P.T. E=2247746.4395
P.T. = STA. 0+86.89
P.T. N= 439157.0338
P.T. E= 2247743.8752

C3 CURVE DATA
P.I.=STA 2+62.99
= 71°00'31" RT.
Dc=1637°01'20"
R = 3.50'
T = 2.50'
L = 4.39'
E = 0.80
P.C. = STA. 2+60.49
P.C. N= 439330.3276
P.C. E= 2247752.1451
P.T. = STA. 2+64.83
P.T. N= 439333.5377
P.T. E= 2247754.7213

C4 CURVE DATA
P.I.=STA 2+71.44
= 26°25'45" RT.
Dc = 200°14'45"
R = 28.61'
T = 6.72'
L = 13.20'
E = 0.78'
P.C. = STA. 2+64.83
P.C. N= 439333.5377
P.C. E= 2247754.7213
P.T. = STA. 2+78.03
P.T. N= 439334.4875
P.T. E= 2247767.7569



REF NO.	STATION FROM	STATION TO	SIDE	202 CURB REMOVED	202 WALK REMOVED	608 4" CONCRETE WALK	609 CURB, TYPE 6	608 CURB RAMP, AS PER PLAN	
				LF	LF	SF	LF	SF	
SW5	0+70.00	1+88.00	LT			948			
SW6	2+35.00	2+94.83	LT			279			
R2	0+50.00	2+09.64	LT	170					
R3	2+28.18	2+09.64	LT	66					
R4	0+50.00	2+79.03	LT	11	57				
CR6	0+50.00	0+70	RT					193	
CR7	2+64.83	2+78.03	RT					127	
CR8	2+78.03	2+78.31	LT					57	
C1	0+70.00	2+64.83	LT				206		
TOTALS CARRIED TO GENERAL SUMMARY				247	57	1227	206	377	

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - SCHOOL ENTRANCE
STA. 0+00 TO STA. 3+00

LOGO:
CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/17/2025
PROJECT ID: 117553
SHEET: P.11
SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: SurvFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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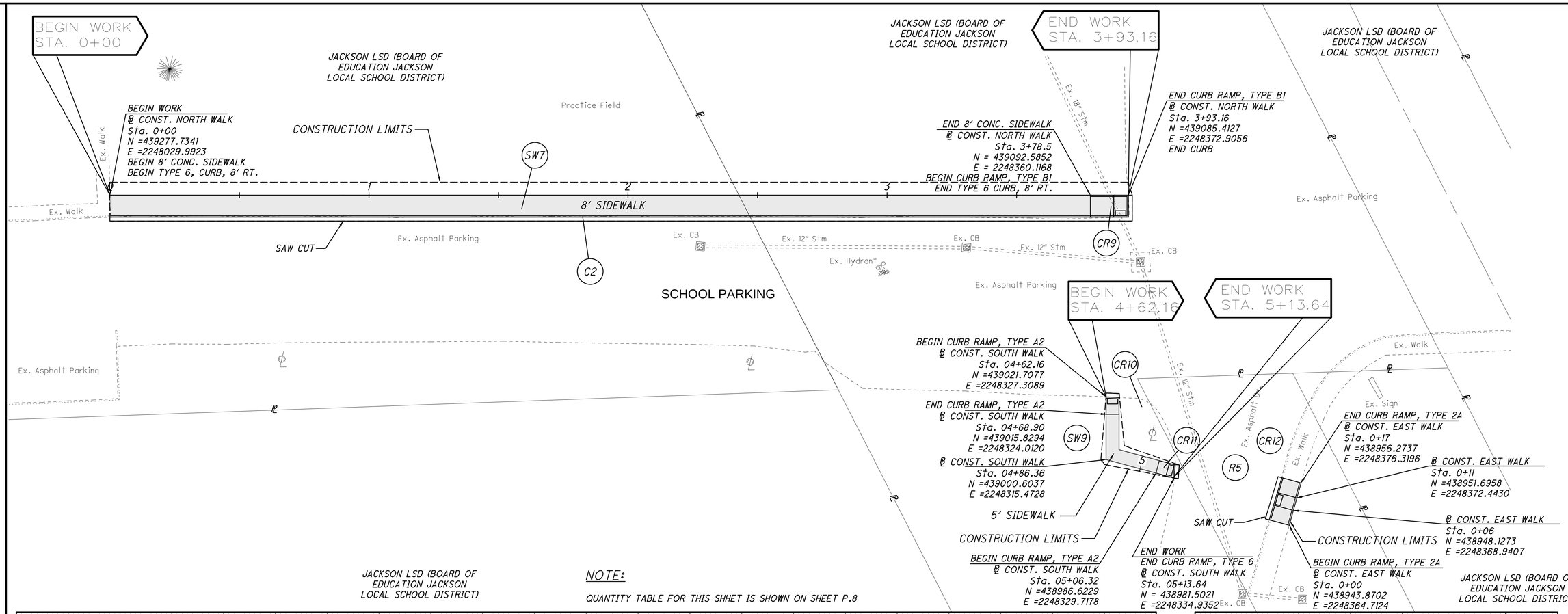
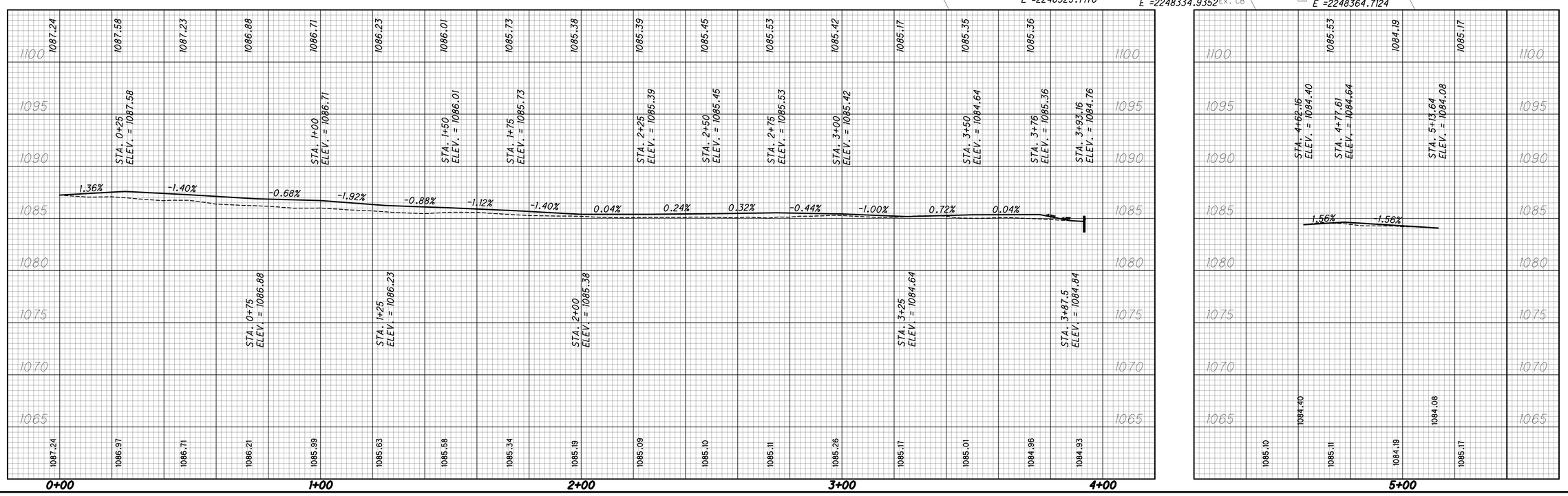


NOTE:

QUANTITY TABLE FOR THIS SHHET IS SHOWN ON SHEET P.8



HORIZONTAL SCALE IN FEET

0 10 20 40

PLAN AND PROFILE - SCHOOL PARKING
STA. 0+00 TO STA. 5+50

LOGO:

CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/17/2025
PROJECT ID	117553
SHEET	P.12
SHEET	43

STA SR 241 14.58 (SRTS)

MODEL: SurFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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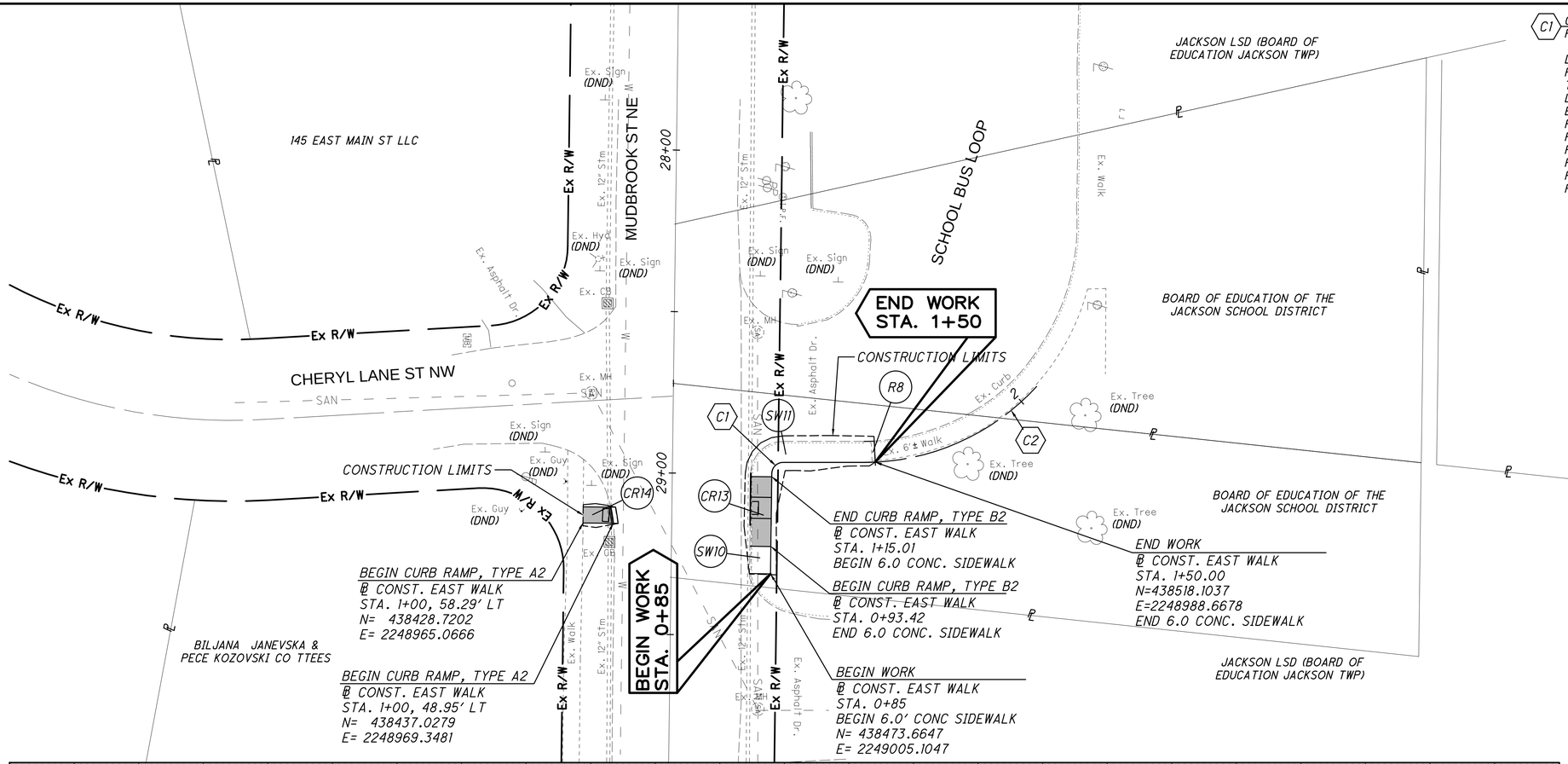

C1 CURVE DATA
P.I.=STA 1+19.49
Δ = 89°16'22" RT.
Dc= 1637°01'20"
R = 3.50'
T = 3.46'
L = 5.45'
E = 1.42'
P.C. = STA. 1+16.03
P.C. N= 438487.8781
P.C. E= 2248977.5259
P.T. = STA. 1+21.48
P.T. N=438492.5530
P.T. E=2248975.9980

C2 CURVE DATA
P.I.=STA 1+79.17
Δ = 47°27'51" RT.
Dc=78°57'41"
R = 72.56'
T = 31.90'
L = 60.11'
E = 6.70'
P.C. = STA. 1+47.27
P.C. N=438515.0011
P.T. E=2248987.2089
P.T. = STA. 2+07.38
P.T. N= 438573.3375
P.T. E= 2248990.0682

HORIZONTAL SCALE IN FEET
0 10 20 40

REF NO.	STATION FROM	STATION TO	SIDE	202 CURB REMOVED (LF)	202 WALK REMOVED (SY)	608 4" CONCRETE WALK (SF)	608 CURB RAMP, AS PER PLAN (SF)
SW10	0+85.00	0+93.42	LT			51	
SW11	1+15.10	1+50.00	LT			210	
R8	1+49	1+50	LT		6		
CR13	0+93.42	1+15.01	LT				130
CR14	4+62.16	4+68.90	LT				45
TOTALS CARRIED TO GENERAL SUMMARY					6	261	175

PLAN AND PROFILE - BUS LOOP
STA. 0+00 TO STA. 2+00

LOGO: CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/17/2025
PROJECT ID: 117553
SHEET: P.13 | SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: SurFi- PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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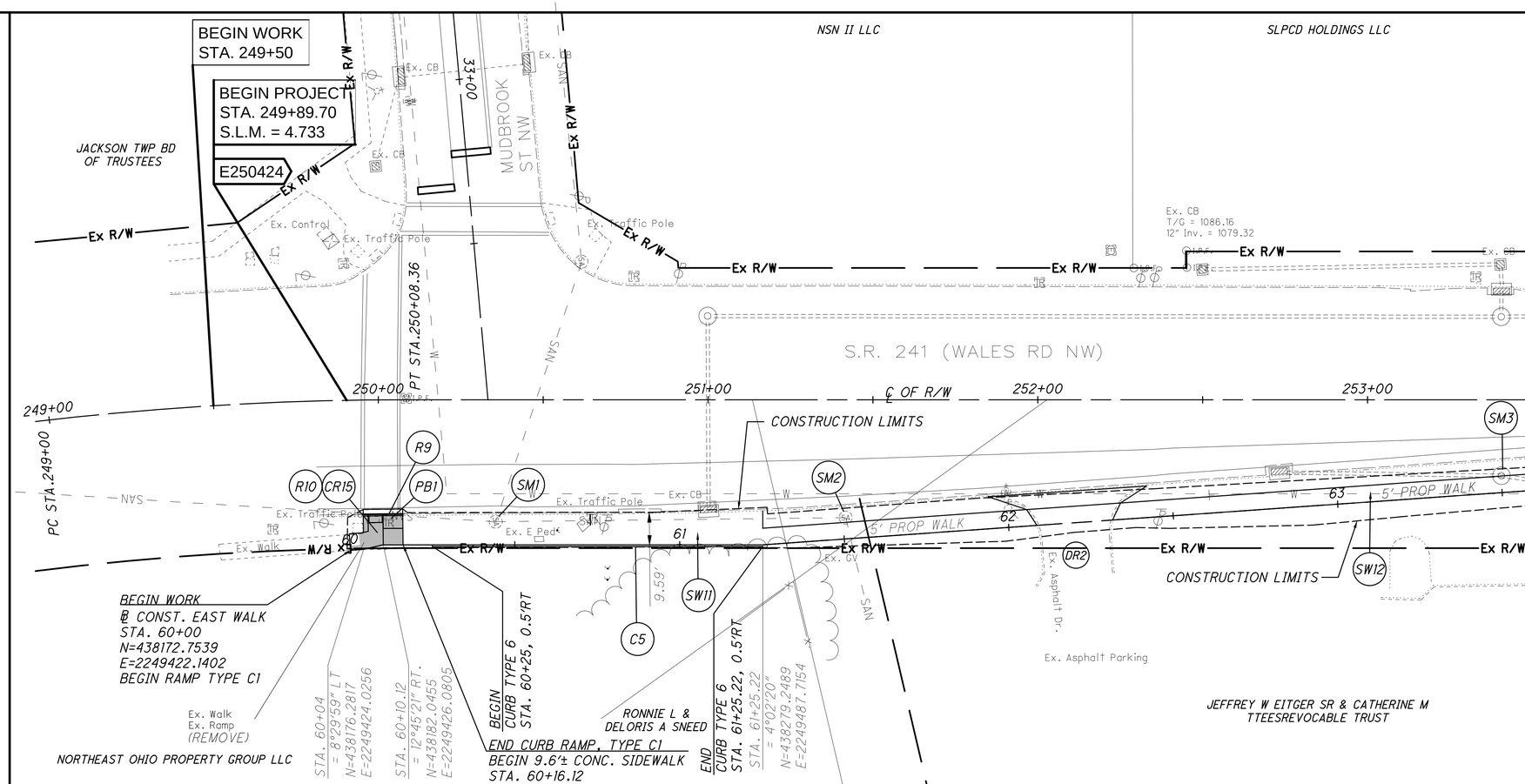

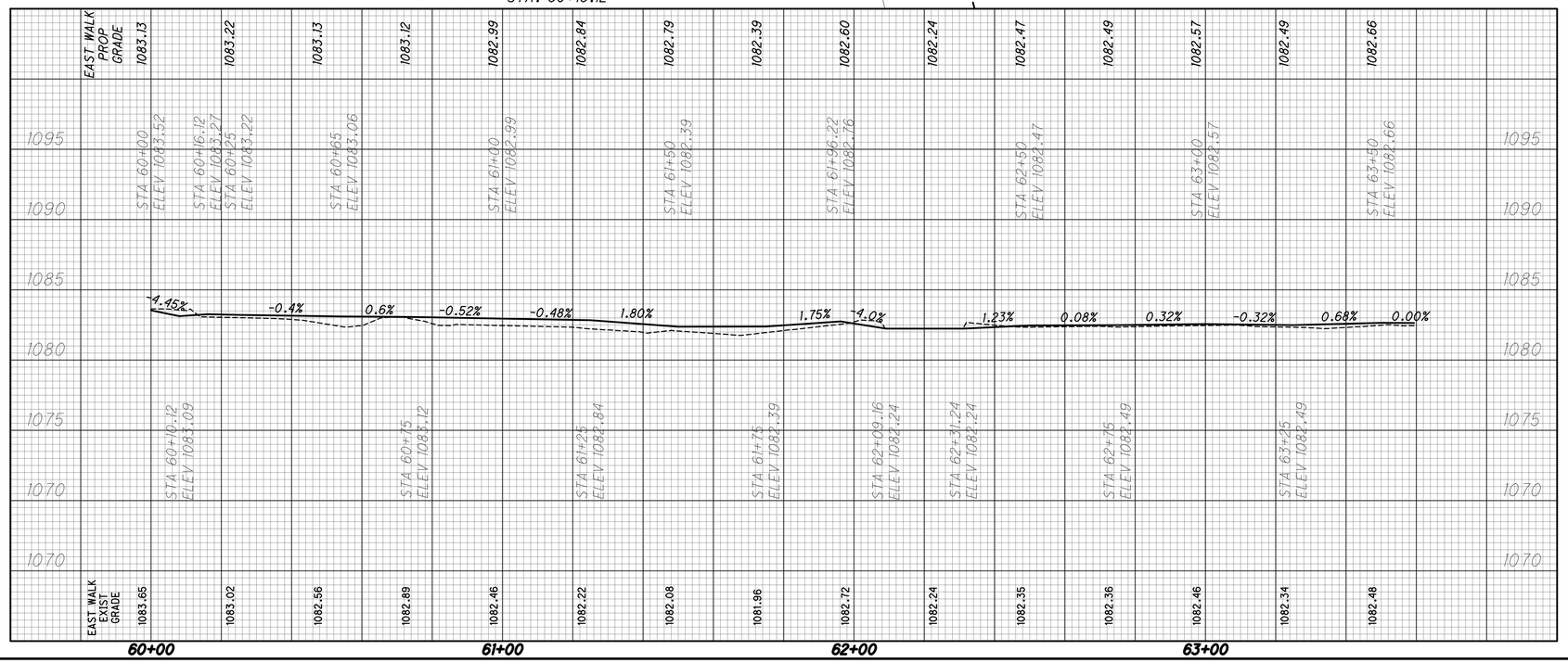

NOTE:

ALL WORK MUST BE PREFORMED WITHIN THE RIGHT OF WAY.

PULL BOX REMOVED AND REPLACED, AS PER PLAN
THE EXISTING PULLBOX IMPACTED BY THE PROPOSED CURB RAMP SHALL BE REMOVED AND REPLACED TO THE PROPOSED GRADE. ALL PROVISIONS OF SECTION 625 APPLY. CONTRACTOR SHALL NOT DAMAGE THE EXISTING WIRING OR CONDUIT WHEN REMOVING THE PULLBOX. EXISTING SLACK MAY BE UTILIZED BUT SPLICING SHALL NOT BE REPLACED. THE COST FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THIS ITEM.

MATCH LINE STA. 253+50

REF NO.	STATION FROM	STATION TO	SIDE	202 CURB REMOVED	202 WALK REMOVED	608 4" CONCRETE WALK	609 CURB, TYPE 6	608 CURB RAMP, AS PER PLAN	611 (SANITARY) MANHOLE RECONST. TO GRADE	611 (DRAINAGE) MANHOLE RECONST. TO GRADE	625 PULL BOX REMOVED AND REPLACED, AS PER PLAN
				LF	SF	SF	LF	SF	EACH	EACH	EACH
SW11	60+16.12	62+09.16	LT			1433					
SW12	62+31.24	64+03.14	LT			834					
R9	60+06.61	60+16.12	LT	12				138			
R10	60+00	60+10.5	LT		89						
CR15	60+60	60+16.12	LT						1		
C5	60+25	61+25.22	LT				126		1		
SM1	60+44.28		LT							1	
SM2	61+51		LT								1
SM3	63+50.14		LT								1
PB1	60+11.65		LT								1
TOTALS CARRIED TO GENERAL SUMMARY				12	89	2267	126	138	2	1	1

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - WALES RD NW (S.R. 241)
STA. 249+00 TO STA.253+50

LOGO:
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/17/2025

PROJECT ID
117553

SHEET P.14 SHEET 43

STA SR 241 14.58 (SRTS)

MODEL: SwFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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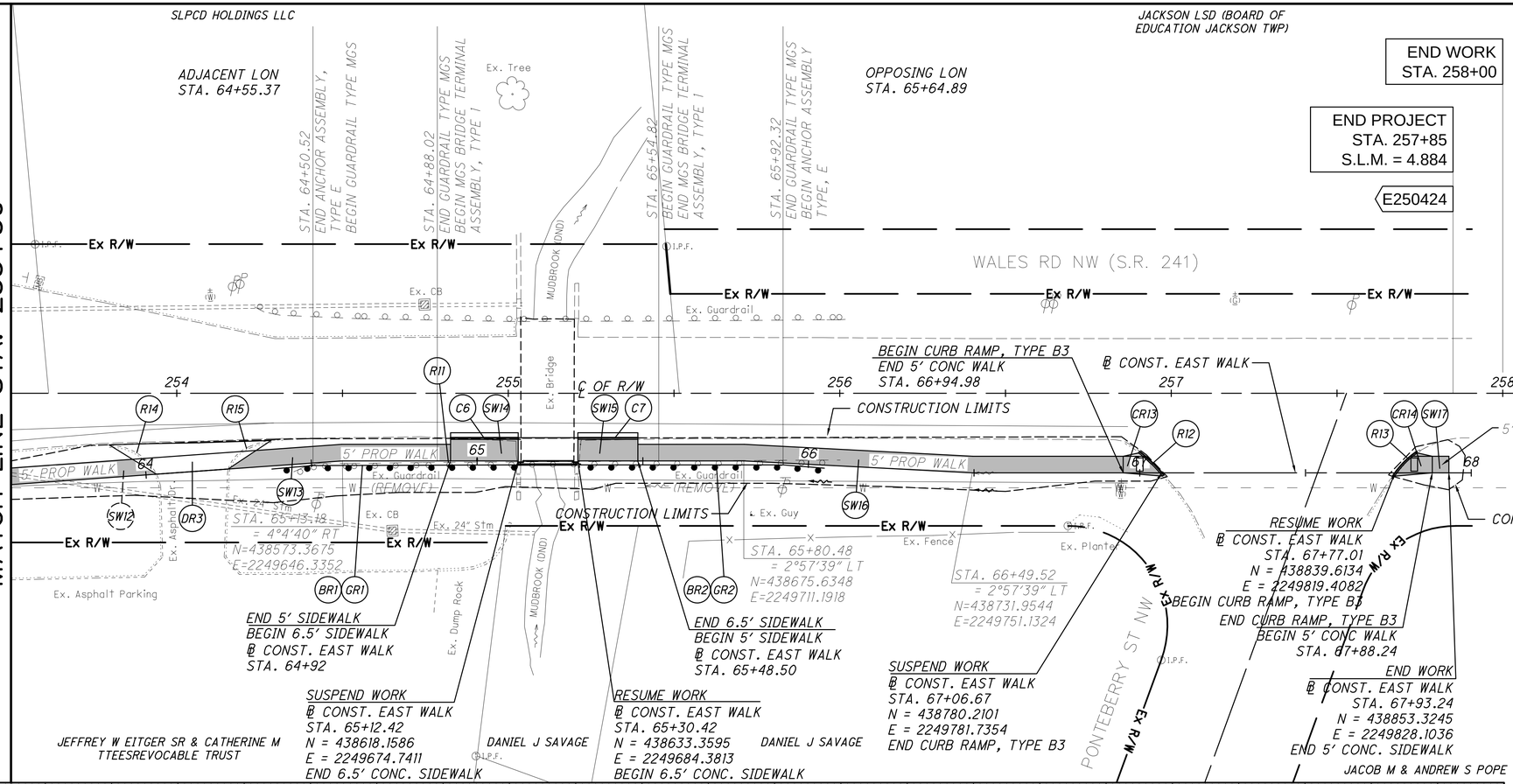
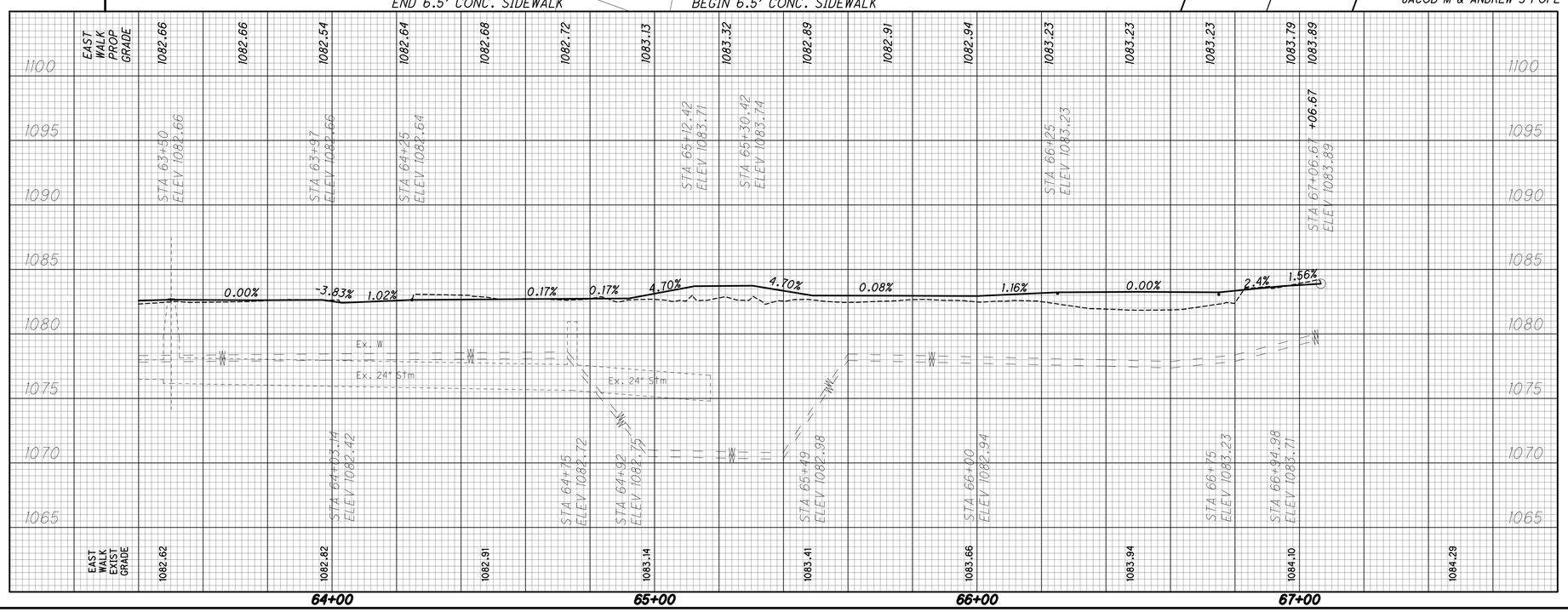
MATCH LINE STA. 253+50





REF NO.	STATION FROM	STATION TO	SIDE	202 CURB REMOVED LF	202 GUARDRAIL REMOVED LF
R11	64+44	66+10	LT		166
R12	67+00.20	67+07.27	LT	11	
R13	67+76.52	67+83.55	LT	11	
R14	63+90	64+03	LT	18	
R15	64+25	64+39	LT	17	
TOTALS CARRIED TO GENERAL SUMMARY				57	166

REF NO.	STATION FROM	STATION TO	SIDE	606 GUARDRAIL TYPE MGS LF	606 ANCHOR ASSEMBLY, TYPE E EACH	606 BRIDGE TERMINAL ASSEMBLY, TYPE 1 EACH	608 4" CONCRETE WALK SF	609 CURB, TYPE 7 LF	608 CURB RAMP, AS PER PLAN SF	608 BARRIER REFLECTOR, TYPE 3 WHITE/WHITE EACH
GR1	64+52.72	65+13.02	RT	37.5	1	1				
GR2	65+29.82	66+04.82	RT	37.5	1	1				
SW13	64+25	64+92	LT				335			
SW14	64+92	65+12.42	LT				133			
SW15	65+30.42	65+48.50	LT				118			
SW16	65+48.50	66+94.98	LT				733			
SW17	67+88.44	67+93.44	LT				25			
C6	65+00	65+13.18	LT					14		
C7	65+31.18	65+41	LT					11		
CR16	66+94.98	67+06.67	LT/RT						55	
CR-17	67+77.01	67+88.44	RT/LT						53	
BR1	64+63.02	64+88.02	RT							2
BR2	65+54.82	65+92.32	RT							2
TOTALS CARRIED TO GENERAL SUMMARY				75	2	2	1344	35	108	4

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - WALES RD NW (S.R. 241) STA. 253+50 TO STA. 258+00

LOGO: CIVPRO ENGINEERING

DESIGNER: FPW

REVIEWER / DATE: KAD 12/17/2025

PROJECT ID: 117553

SHEET P.15 SHEET 43

STA SR 241 14.58 (SRTS)

MODEL: SurFt. PAPERSIZE: 34x22 (In.) DATE: 12/17/2025 USER: hvierner
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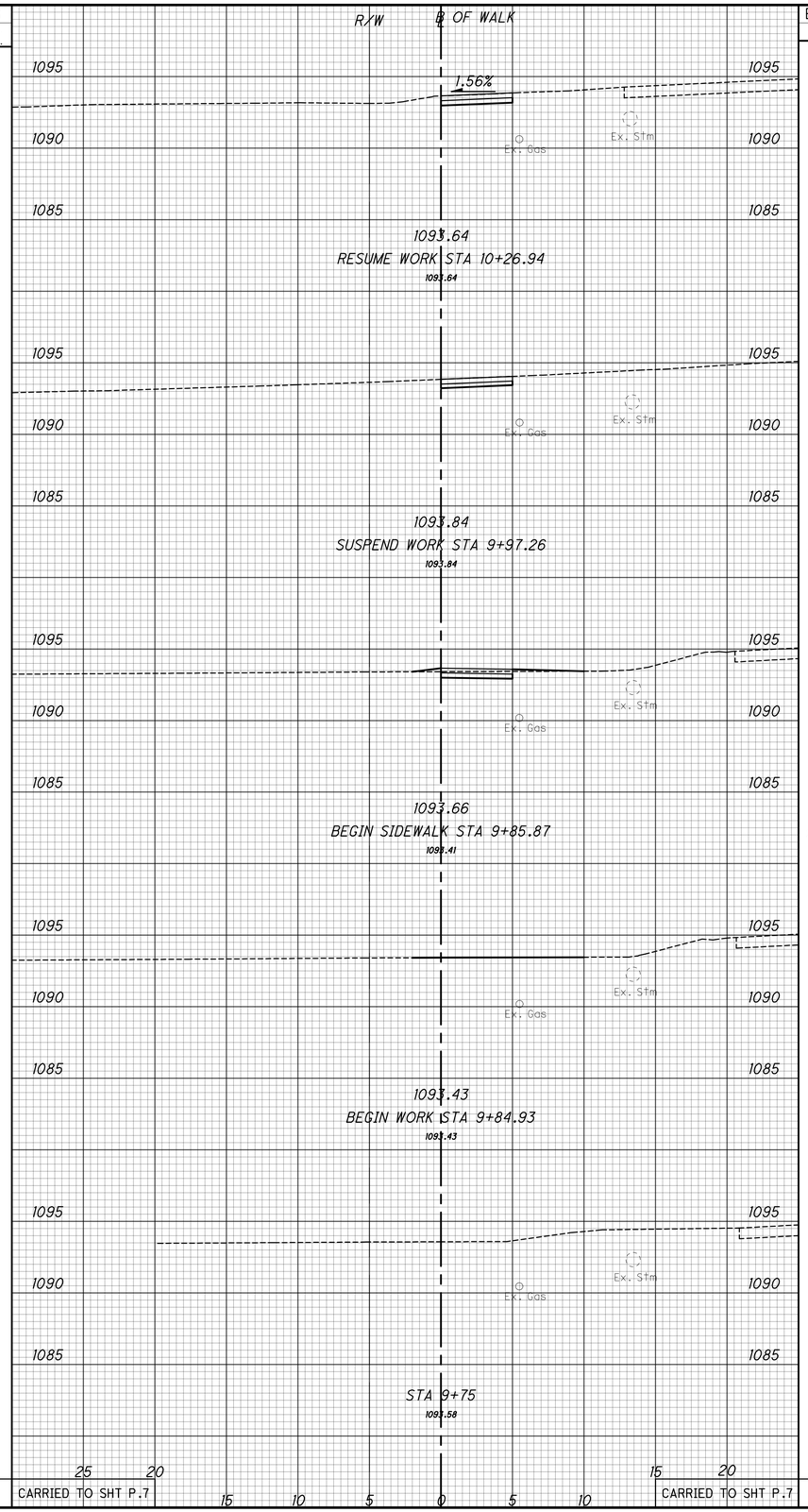
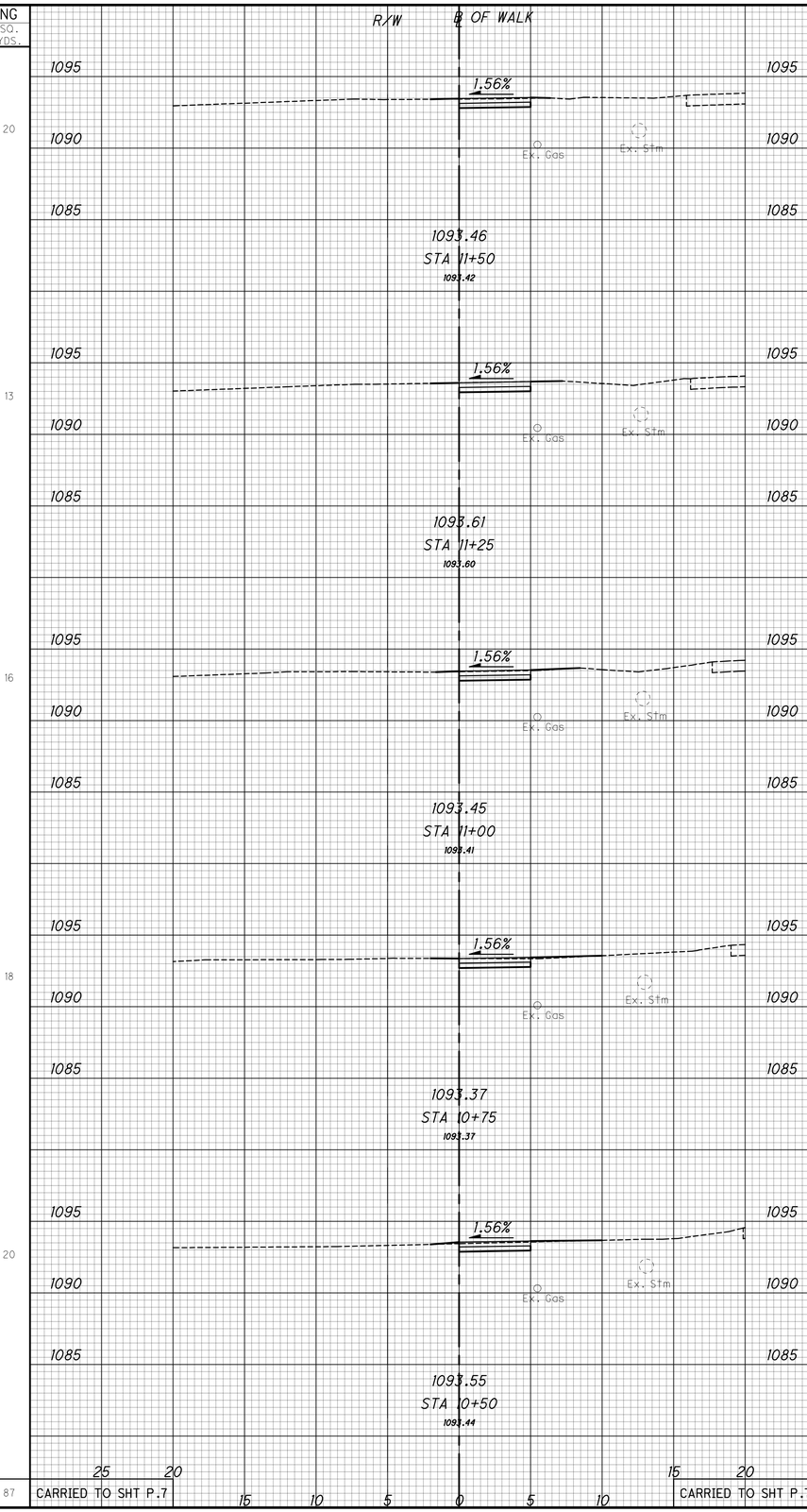
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	18			1.3	0.1
7		3.37	0.0		
7		3.37	0		
	9			1.21	0.1
7		2.37	0.7		
	1			0.1	0.1
12		0	0		
	28			5	1



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	20			1.1	0.9
4		3.17	0.3		
	13			3.1	0.1
5		3.37	0		
	16			3.0	0.1
6		3.07	0.3		
	18			2.9	0.3
7		3.07	0.3		
	20			2.8	0.3
7		2.97	0.3		
	87			12	2



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)
Mudbrook St NW – Cross Sections – Sta. 9+75 to Sta. 11+50
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.16 TOTAL 43

STA SR 241 14.58 (SRTS)

MODEL: SurPt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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STA SR 241 14.58 (SRTS)

MODEL: Surf1; PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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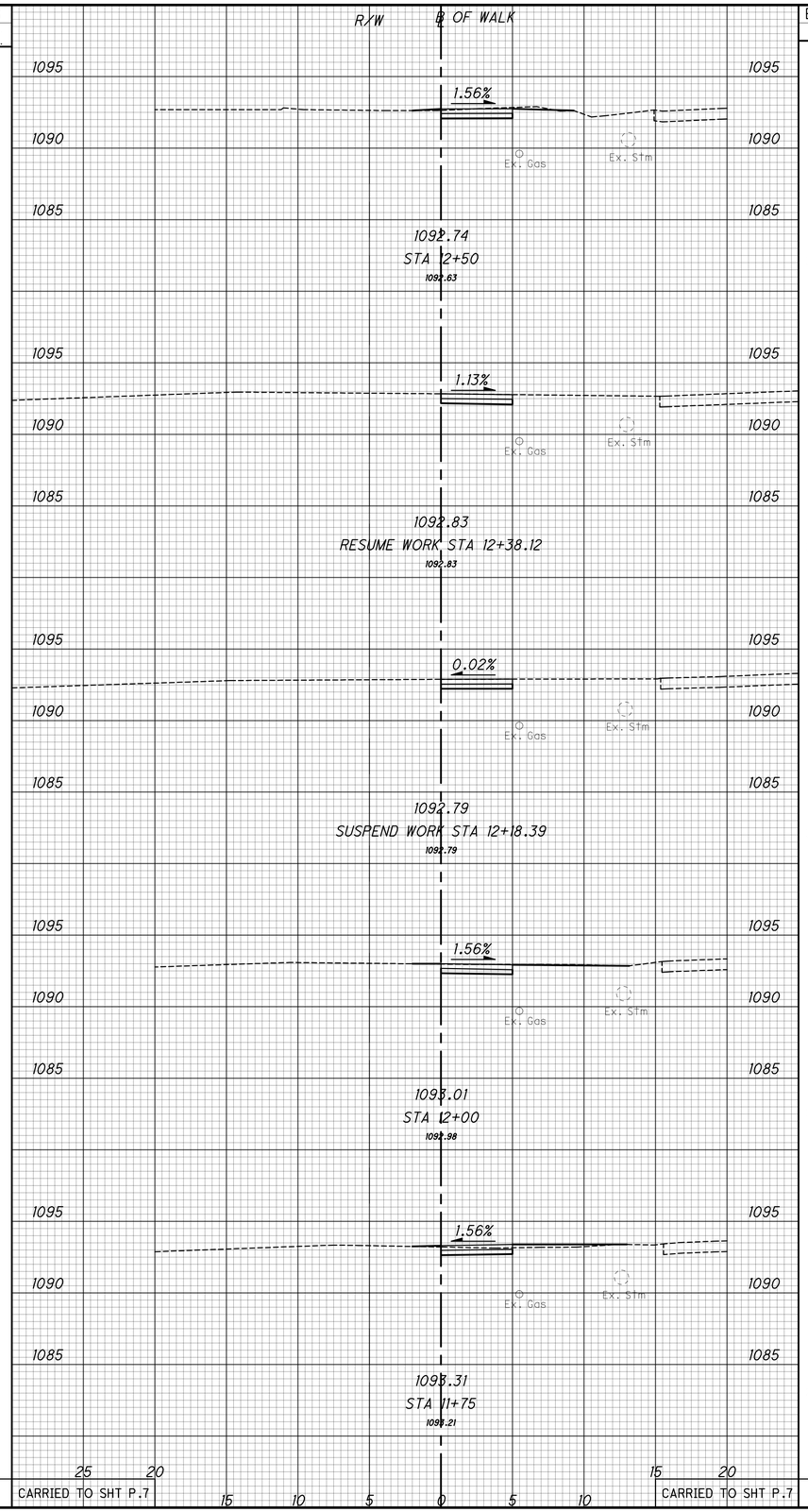
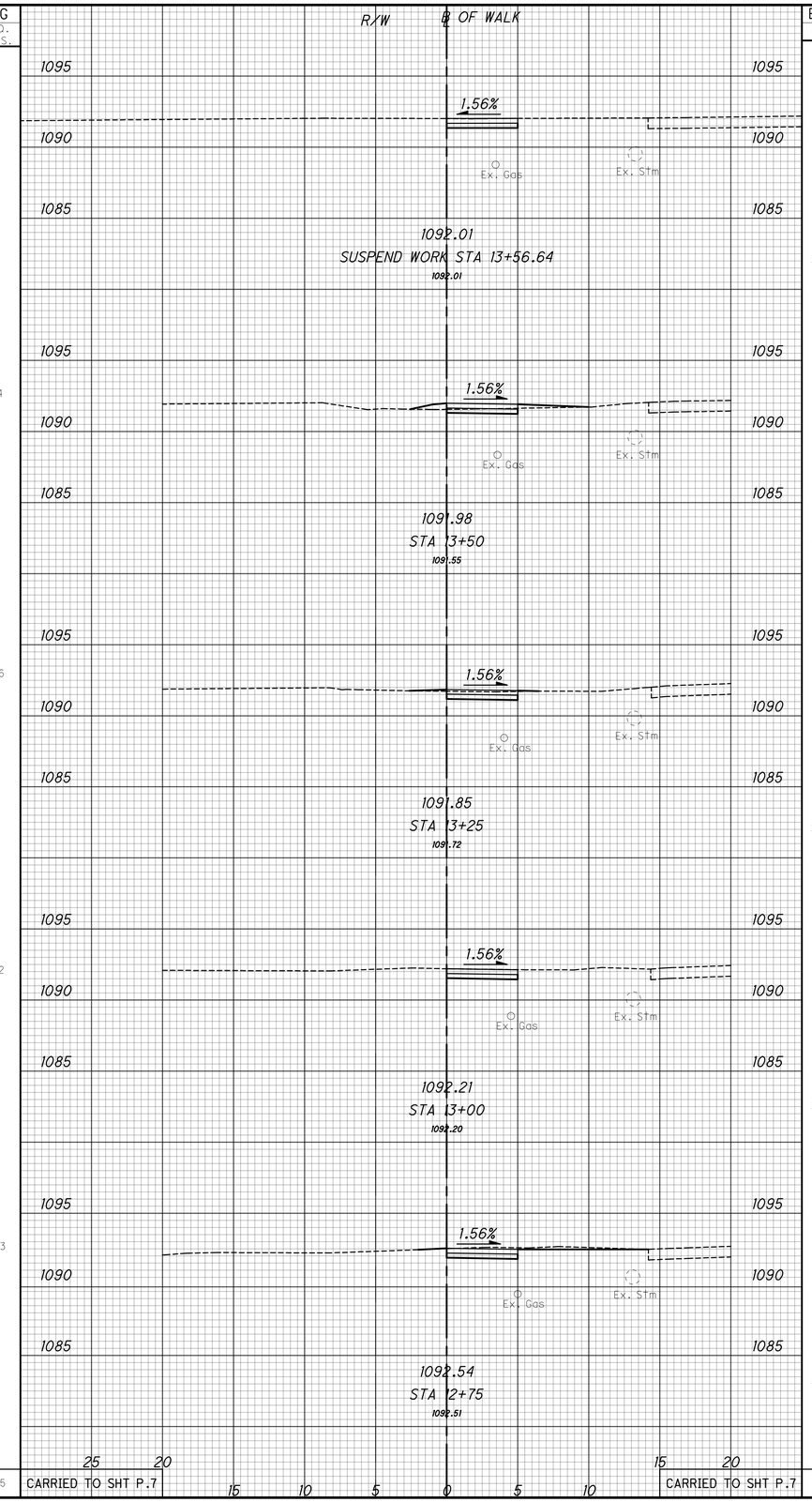
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	27			3.8	0.2
7		3.37	0.4		
	13			1.8	0.1
12		3.37	0.0		
4		3.37	0.0		
	20			2.4	0.1
10		3.57	0.3		
	28			2.9	0.9
10		2.57	1.6	2.7	1.3
	88			14	3



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
4		3.37	0.0		
	4			0.7	0.2
7		1.65	1.4		
	16			2.1	0.8
4		2.87	0.3		
	12			2.9	0.1
4		3.37	0.0		
	23			3.8	0.1
12		4.77	0.1		
	55			10	2



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)
Mudbrook St NW – Cross Sections – Sta. 11+75 TO Sta. 13+56.64
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

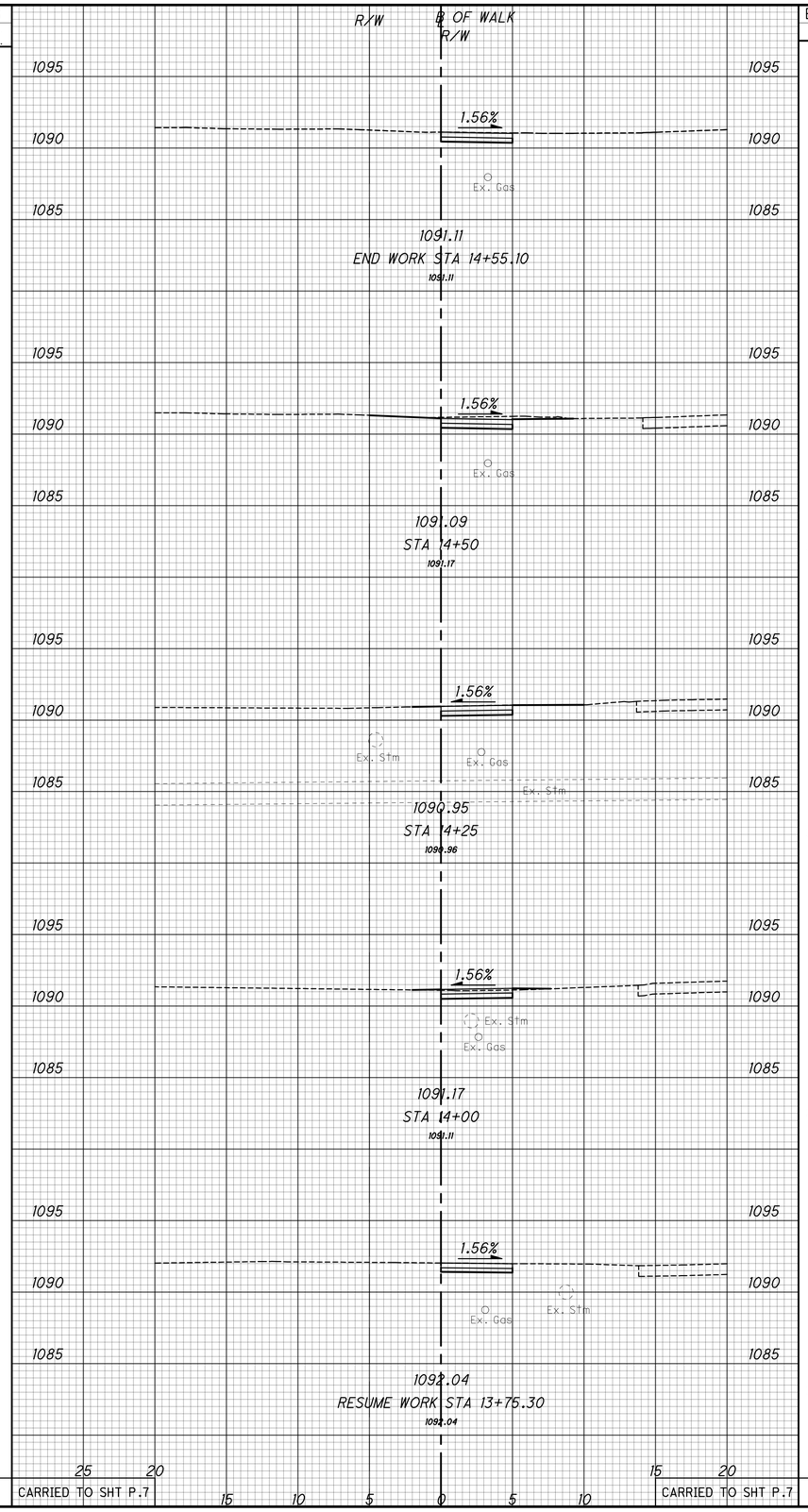
DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

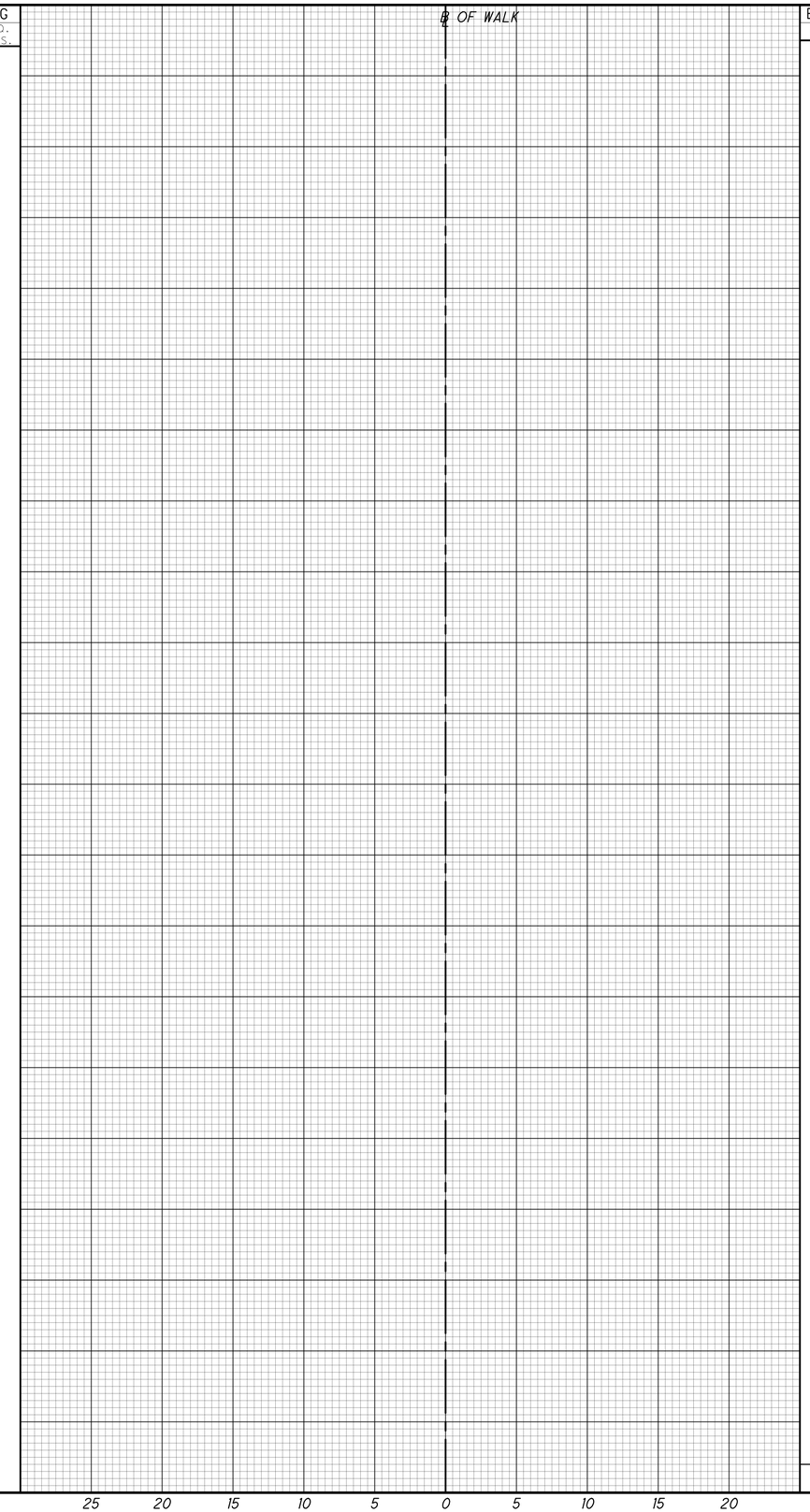
PROJECT ID
117553

SHT NO. P.17 TOTAL 43

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
4		3.37	0.0		
	9			1.7	0.0
7		3.37	0.0		
	20			2.9	0.1
7		2.77	0.3		
	16			2.8	0.1
4		3.37	0.0		
	45			8	1



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)
Mudbrook St NW – Cross Sections – Sta. 13+75.30 to Sta. 14+50
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.18 TOTAL 43

STA SR 241 14.58 (SRTS)

MODEL: SurFi- PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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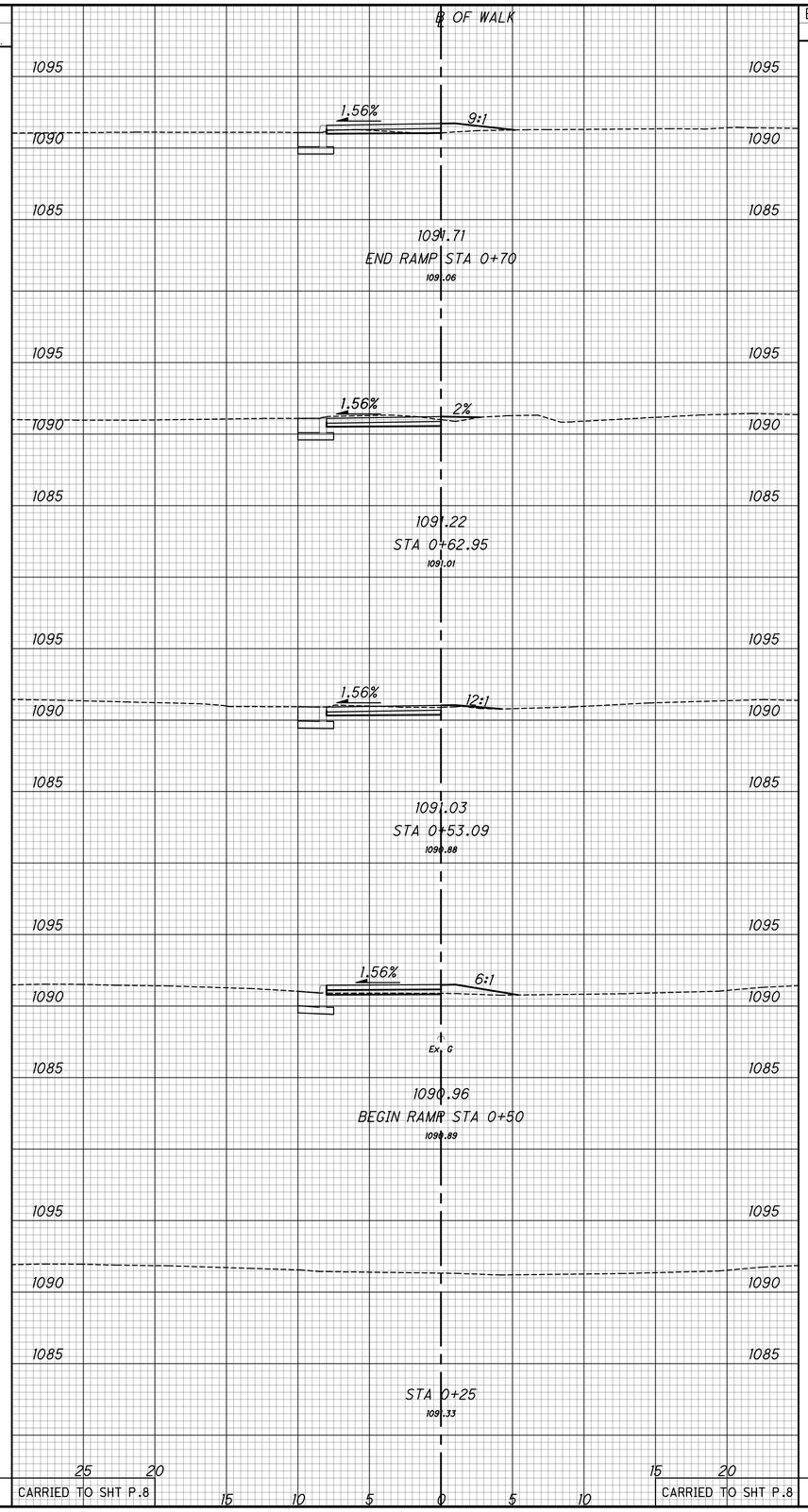
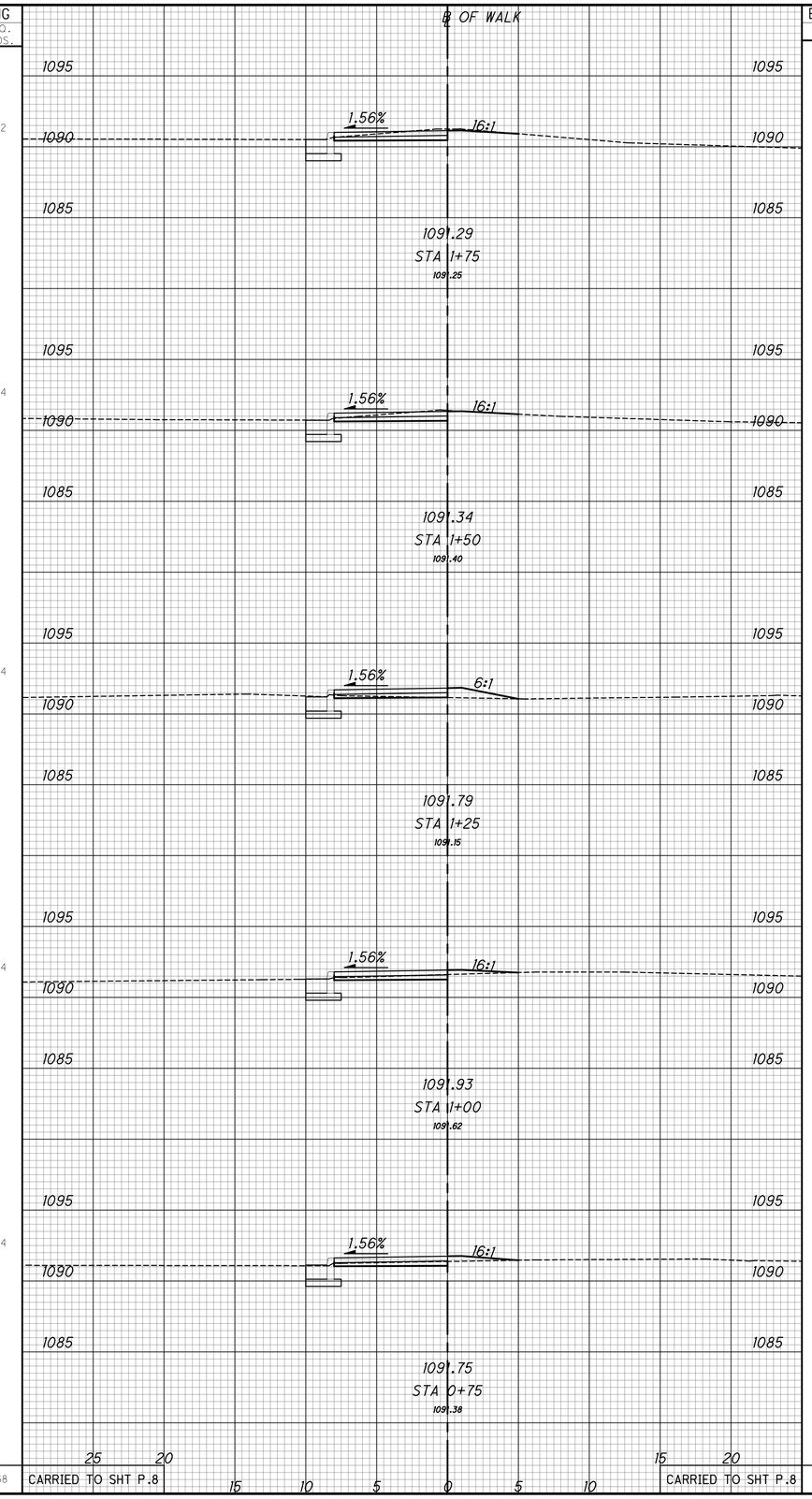


SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	3			1.2	0.5
5		6.0	2.7		
	3			2.0	0.4
1		9.3	0.1		
	4			3.4	0.1
5		9.4	0.2		
	2			0.8	0.4
5		3.6	6.5		
	12			8	2

CARRIED TO SHT P.8 — CARRIED TO SHT P.8



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	12			6.5	0.2
5		8.7	0		
	14			7.7	0
5		7.8	0		
	14			5.2	1.5
5		3.4	3.2		
	14			4.4	2.1
5		6.0	1.3		
	14			5.6	1.2
5		6.1	1.3		
	68			30	5

CARRIED TO SHT P.8 — CARRIED TO SHT P.8

0 2.5 5 10
HORIZONTAL SCALE IN FEET

STA SR 02.41 14.58 (SRTS)
School Entrance – Cross Sections – Sta. 0+25 to Sta. 1+75
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.19 | TOTAL 43

STA SR 241 14.58 (SRTS)

MODEL: SuvFL PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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STA SR 241 14.58 (SRTS)

MODEL: SuvFt. PAPERSIZE: 34x22 (In.) DATE: 12/17/2025 USER: fwerner
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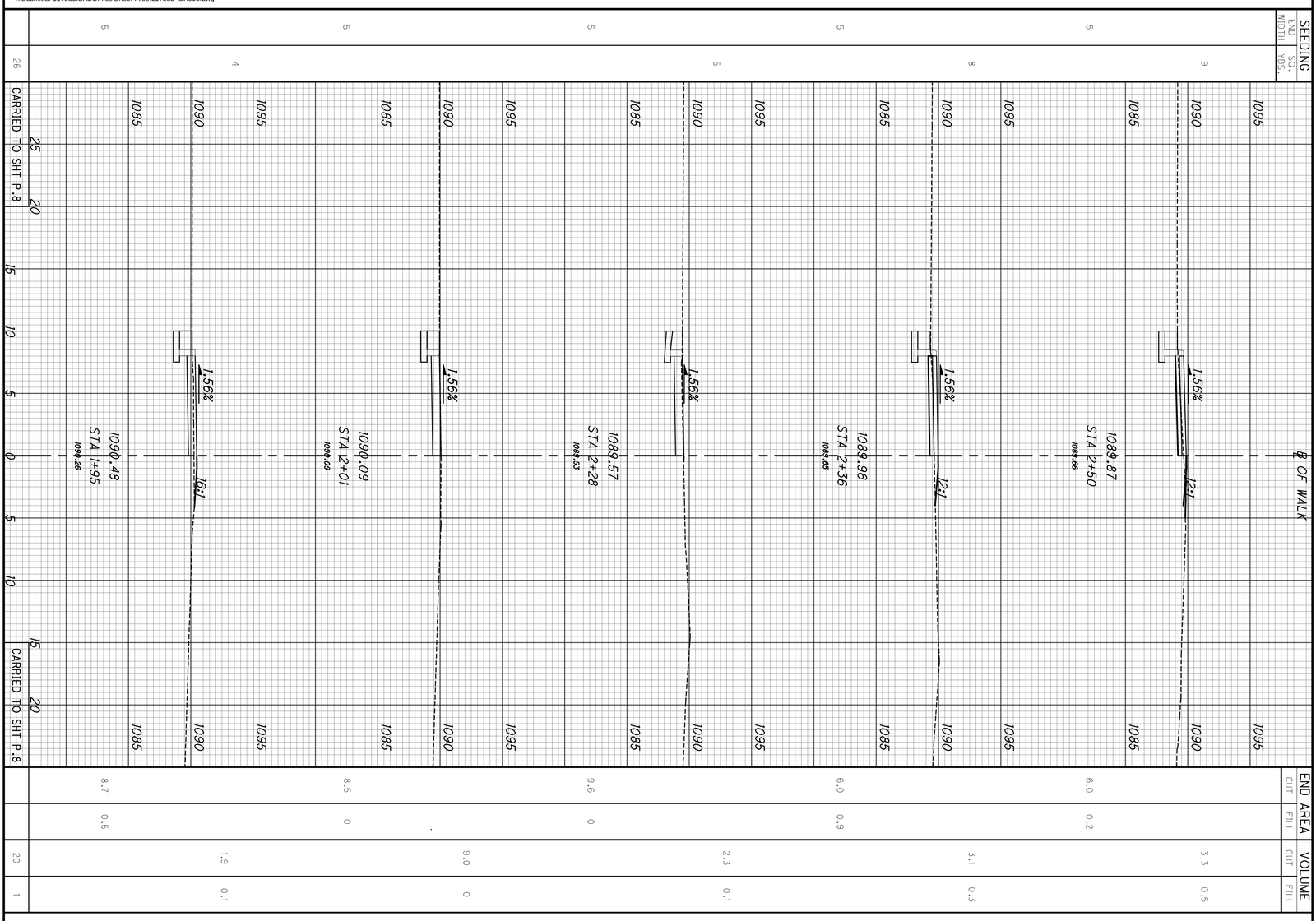

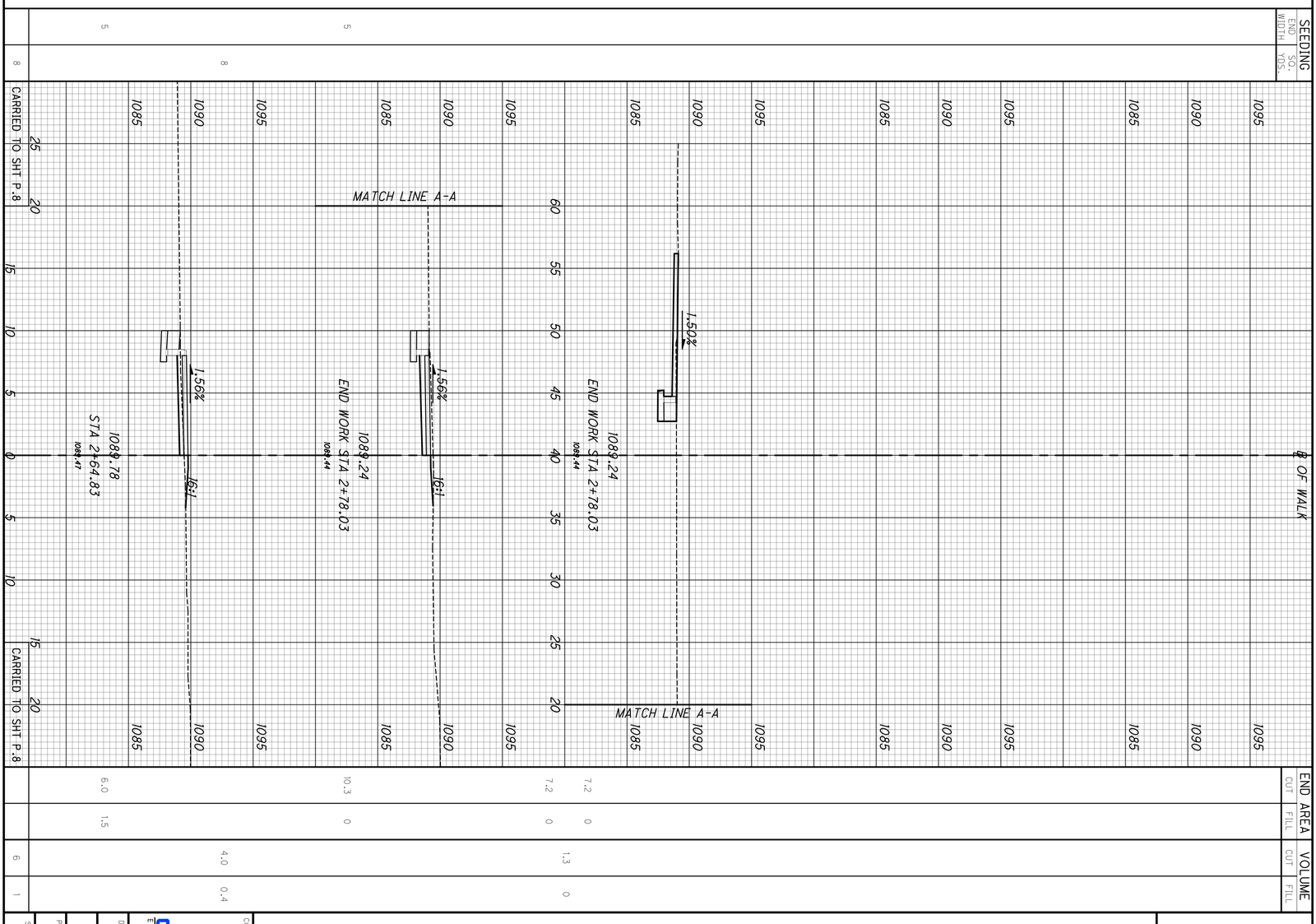

STA SR 02.41 14.58 (SRTS)

School Entrance – Cross Sections – Sta. 1+95 to Sta. 2+78.03

Jackson Township

Stark County, Ohio

HORIZONTAL SCALE IN FEET

0 2.5 5 10

COMPANY: CVPRO ENGINEERING

DESIGNER: FPW

REVIEWER / DATE: KAD 12/18/2025

PROJECT ID: 117553

SHT NO.: P.20

TOTAL: 43

STA SR 241 14.58 (SRTS)

MODEL: Surf1; PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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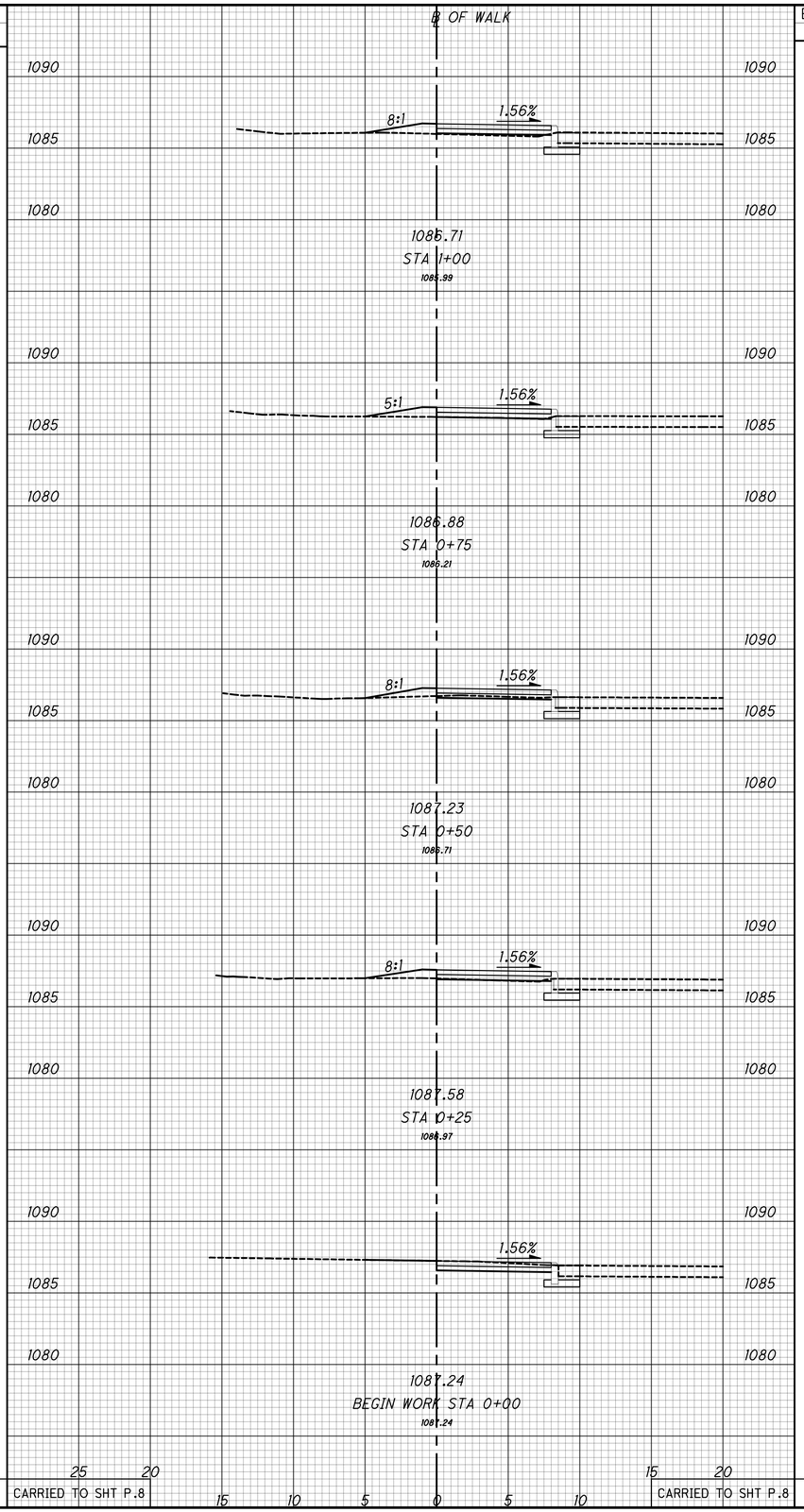
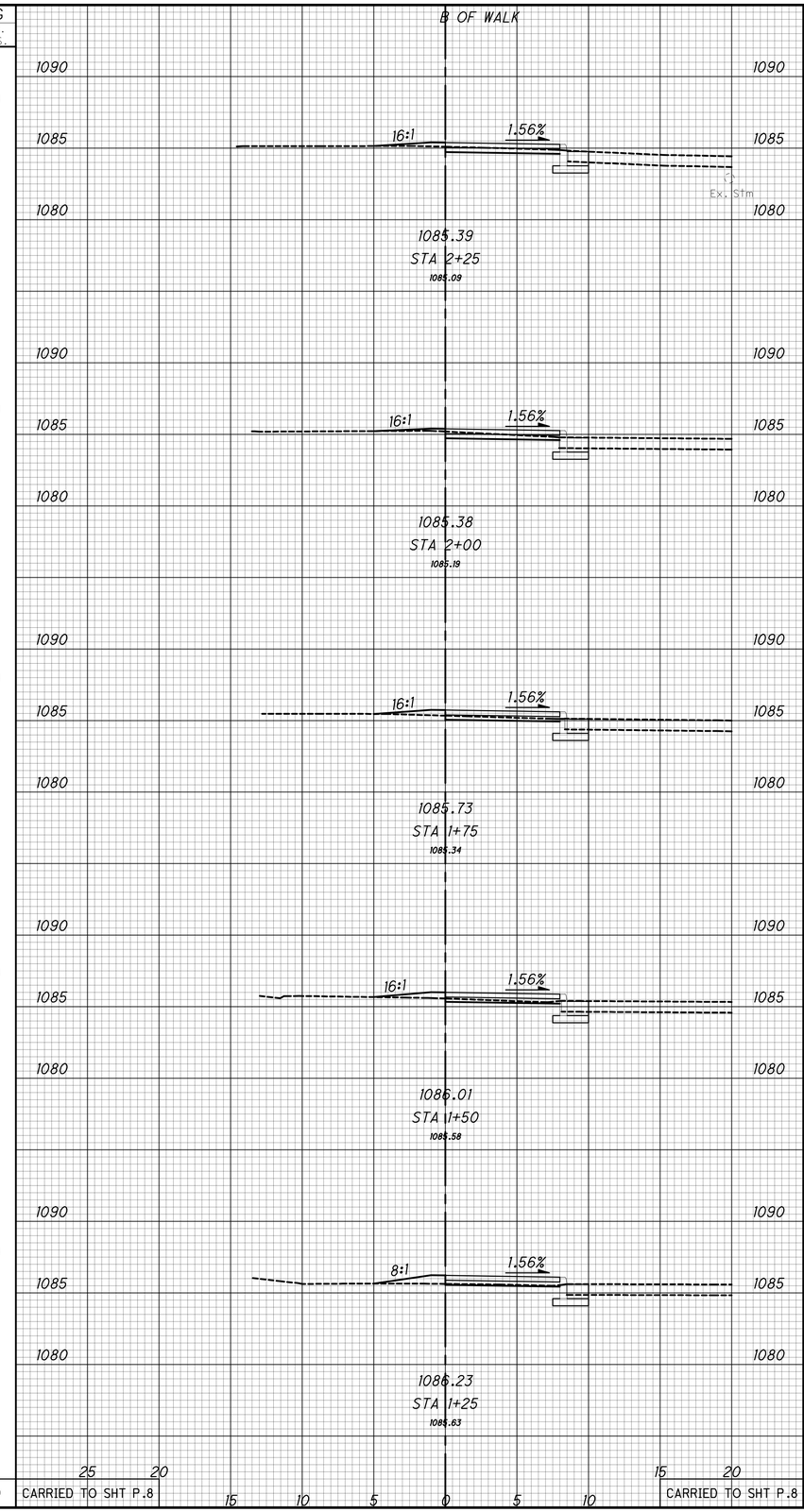
SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	14	8:1, 1.56%			5.6	3.8
5		1086.71 STA 1+00 (1085.99)	6.0	5.0		
	14	5:1, 1.56%			6.0	3.8
5		1086.88 STA 0+75 (1086.21)	7.0	3.3		
	14	8:1, 1.56%			6.0	2.9
5		1087.23 STA 0+50 (1086.71)	6.0	2.9		
	14	8:1, 1.56%			5.6	3.2
5		1087.58 STA 0+25 (1088.97)	6.0	4.1		
	14	1.56%			6.1	1.9
5		1087.24 BEGIN WORK STA 0+00 (1087.24)	7.2	0		
70		CARRIED TO SHT P.8			30	16



SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	14	16:1, 1.56%, Ex. STm			5.6	0.8
5		1085.39 STA 2+25 (1085.09)	6.1	0.8		
	14	16:1, 1.56%			5.6	0.7
5		1085.38 STA 2+00 (1085.19)	6.0	0.8		
	14	16:1, 1.56%			5.6	1.5
5		1085.73 STA 1+75 (1085.34)	6.0	2.5		
	14	16:1, 1.56%			5.6	2.3
5		1086.01 STA 1+50 (1085.58)	6.0	2.5		
	14	8:1, 1.56%			5.6	2.7
5		1086.23 STA 1+25 (1085.63)	6.2	3.3		
70		CARRIED TO SHT P.8			28	8



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)
School Parking – Cross Sections – Sta. 0+00 to Sta. 2+25
Jackson Township
Stark County, Ohio

COMPANY: CIVPRO ENGINEERING

DESIGNER: FPW
REVIEWER / DATE: KAD 12/18/2025
PROJECT ID: 117553
SHT NO. P.21 | TOTAL 43

STA SR 241 14.58 (SRTS)

MODEL: SurFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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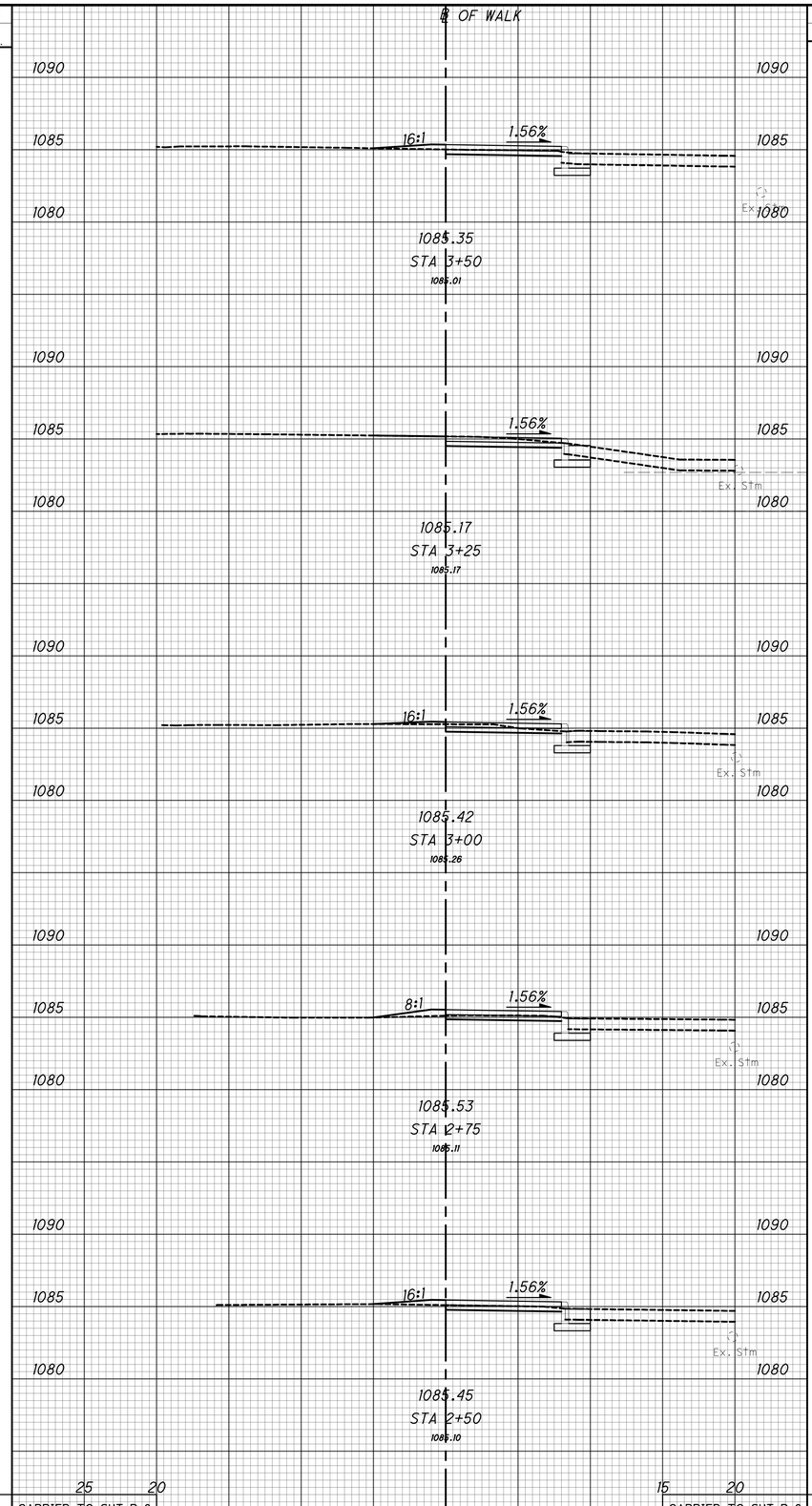
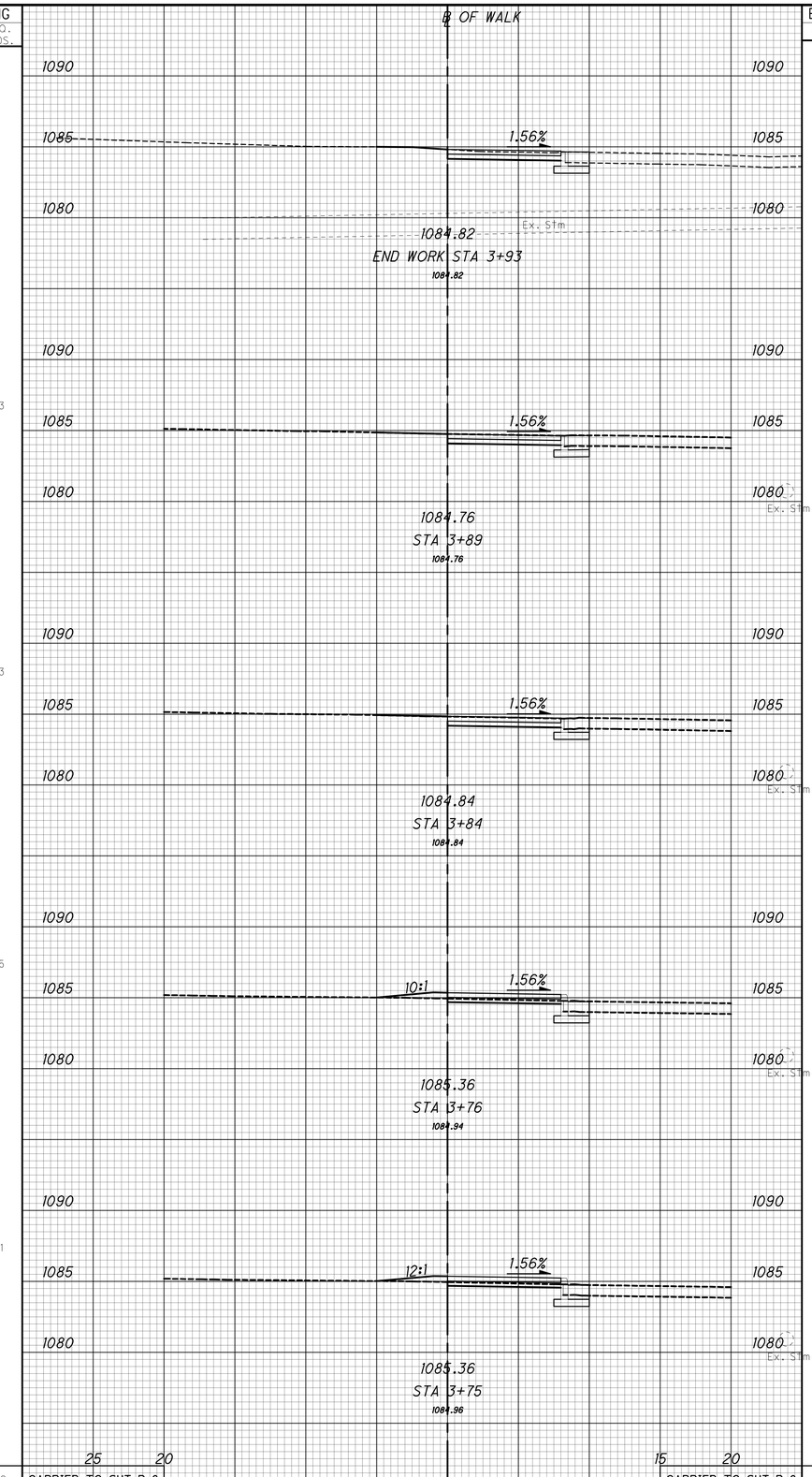
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	14			5.6	1.2
5		6.0	0.9		
	14			5.6	0.4
5		6.0	0.0		
	14			5.6	0.4
5		6.0	0.8		
	14			5.6	0.9
5		6.0	1.2		
	14			5.6	1.0
5		3.3	0.9		
	70			28	4



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
5		8.1	0		
	3			4.1	0
5		8.6	0		
	3			4.2	0
5		8.5	0		
	5			3.5	0
5		6.0	1.8		
	1			0.3	0.1
5		6.0	1.7		
	12			13	1



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)

School Parking – Cross Sections – Sta. 2+50 to Sta. 3+93

Jackson Township
Stark County, Ohio

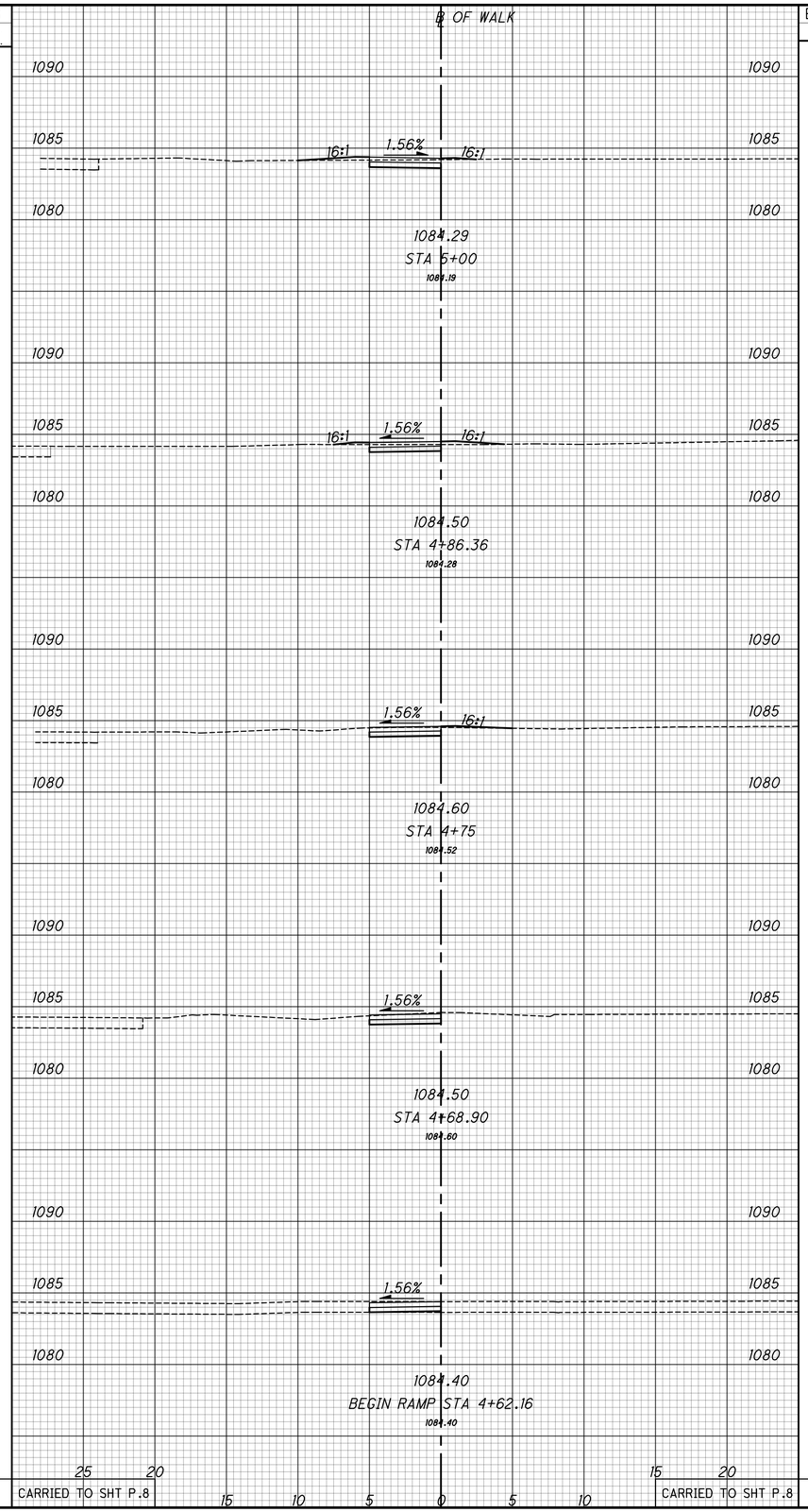
COMPANY
CIVPRO ENGINEERING

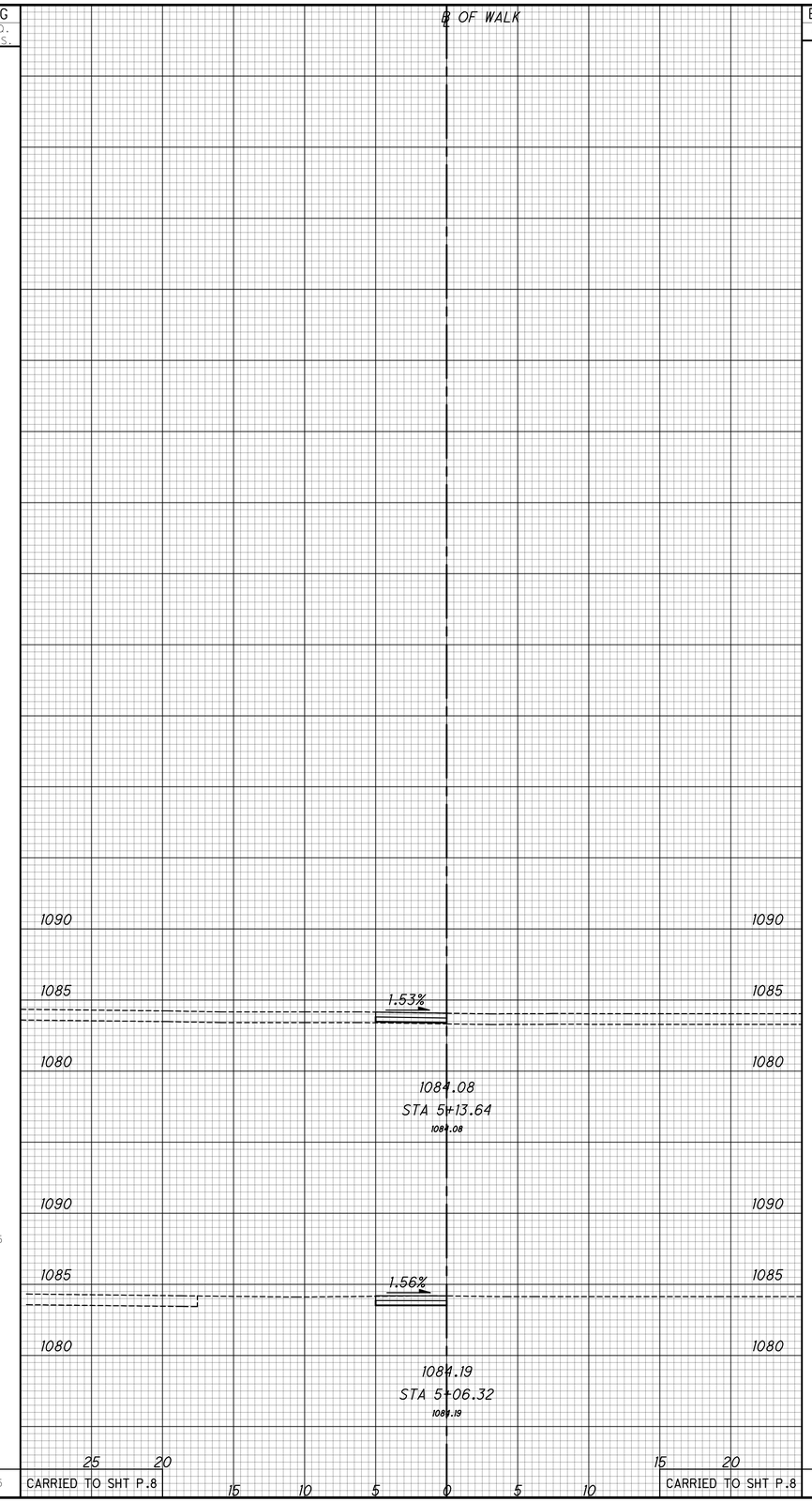
DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.22 | TOTAL 43





SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	4			0.6	0.1
5		2.4	0.1		
	8			1.2	0.1
5		2.4	0.1		
	7			1.0	0.1
5		2.4	0.1		
	4			0.6	0
5		2.4	0		
	4			0.6	0
5		2.4	0		
	27			4	1

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
5		2.4	0		
5				0.7	0
5		2.4	0		
	5			1	0

CARRIED TO SHT P.8

CARRIED TO SHT P.8

CARRIED TO SHT P.8

CARRIED TO SHT P.8

HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)

School Parking – Cross Sections – Sta. 4+62.16 to Sta. 5+13.64
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.23 TOTAL 43

STA SR 241 14.58 (SRTS)

MODEL: SwPt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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STA SR 241 14.58 (SRTS)

MODEL: SurFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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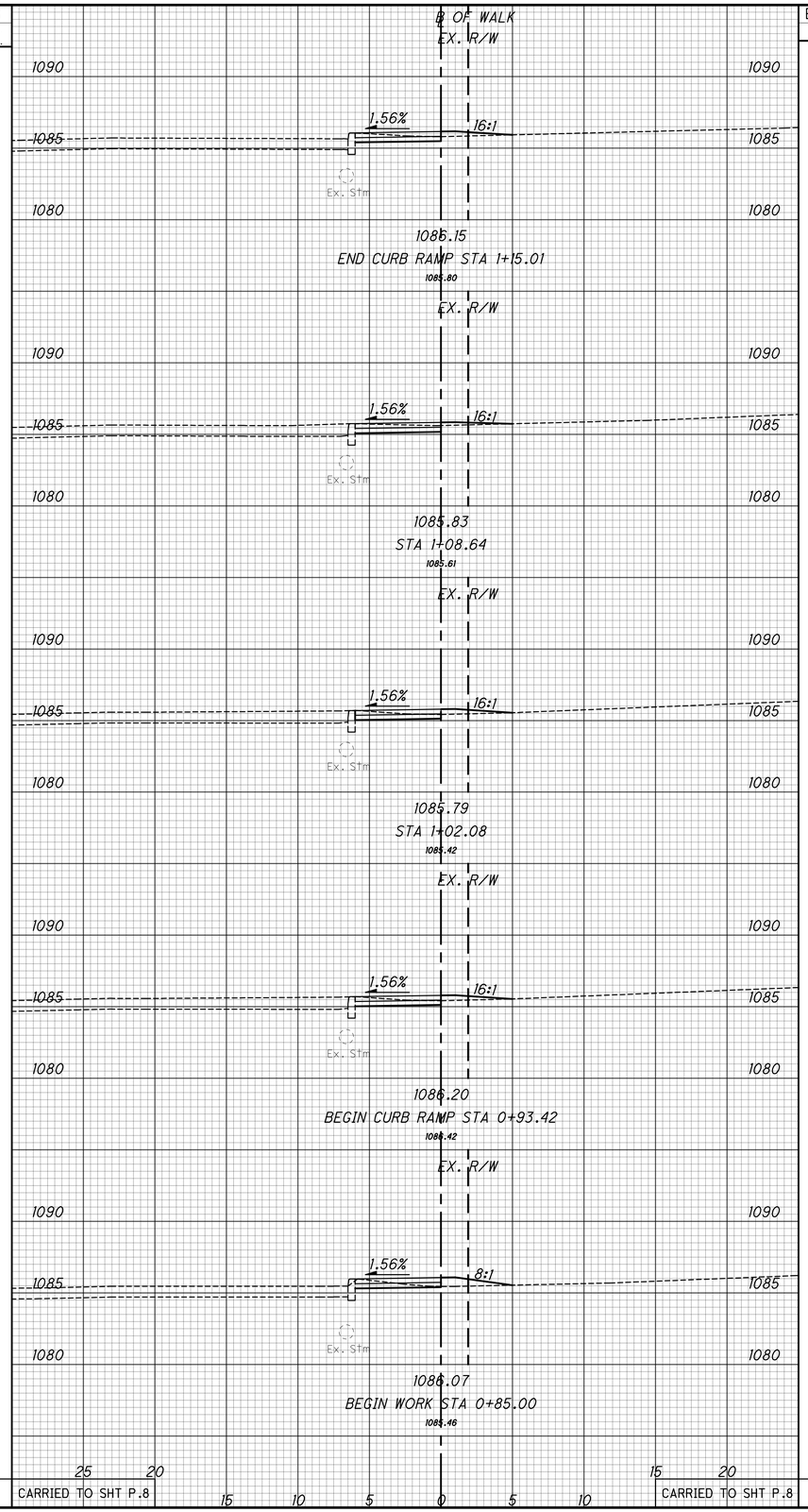
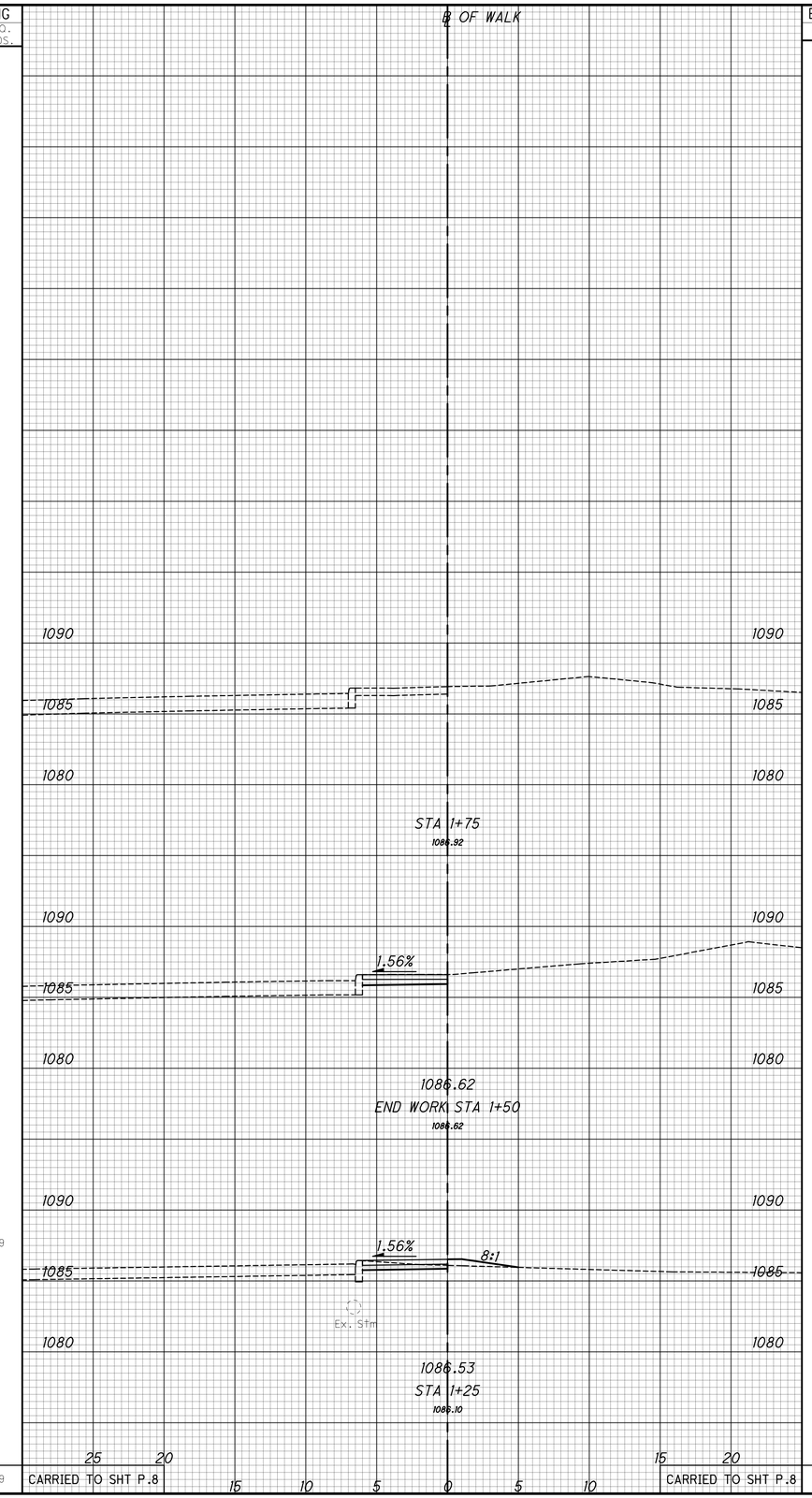
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	6			1	1
5		2.8	1.1		
	4			1	1
5		3.3	0.7		
	4			1	1
5		2.4	1.1		
	5			1	1
5		3.1	1.1		
	8			1	1
5		1.9	1.7		
27	CARRIED TO SHT P.8			5	5



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
1		4.3	0.0		
	9			4	1
5		2.6	1.4		
9	CARRIED TO SHT P.8			4	1



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)
Bus Loop – Cross Sections – Sta. 1+00 to Sta. 1+75
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.24 TOTAL 43

STA SR 241 14.58 (SRTS)

MODEL: SurFi. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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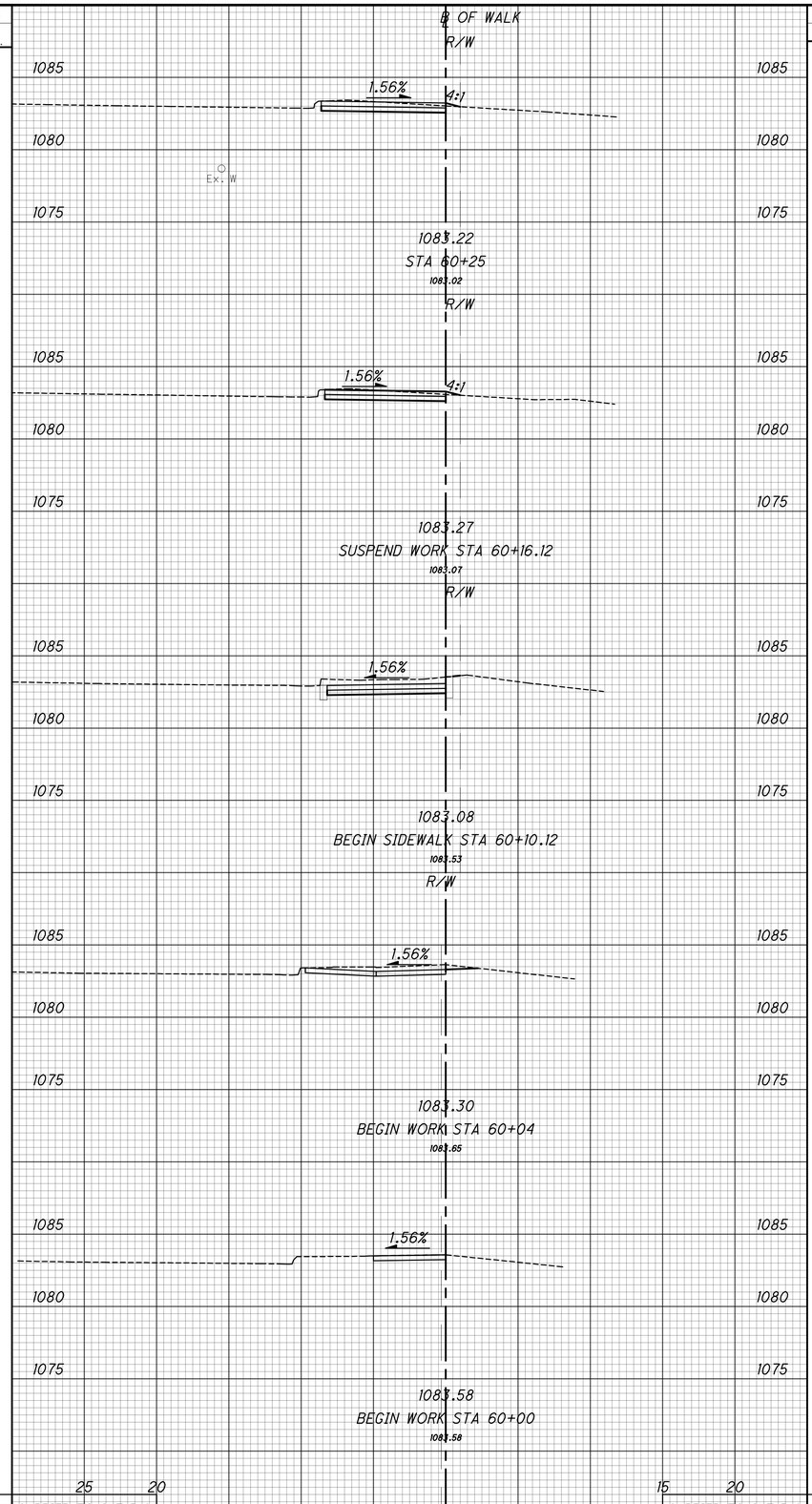
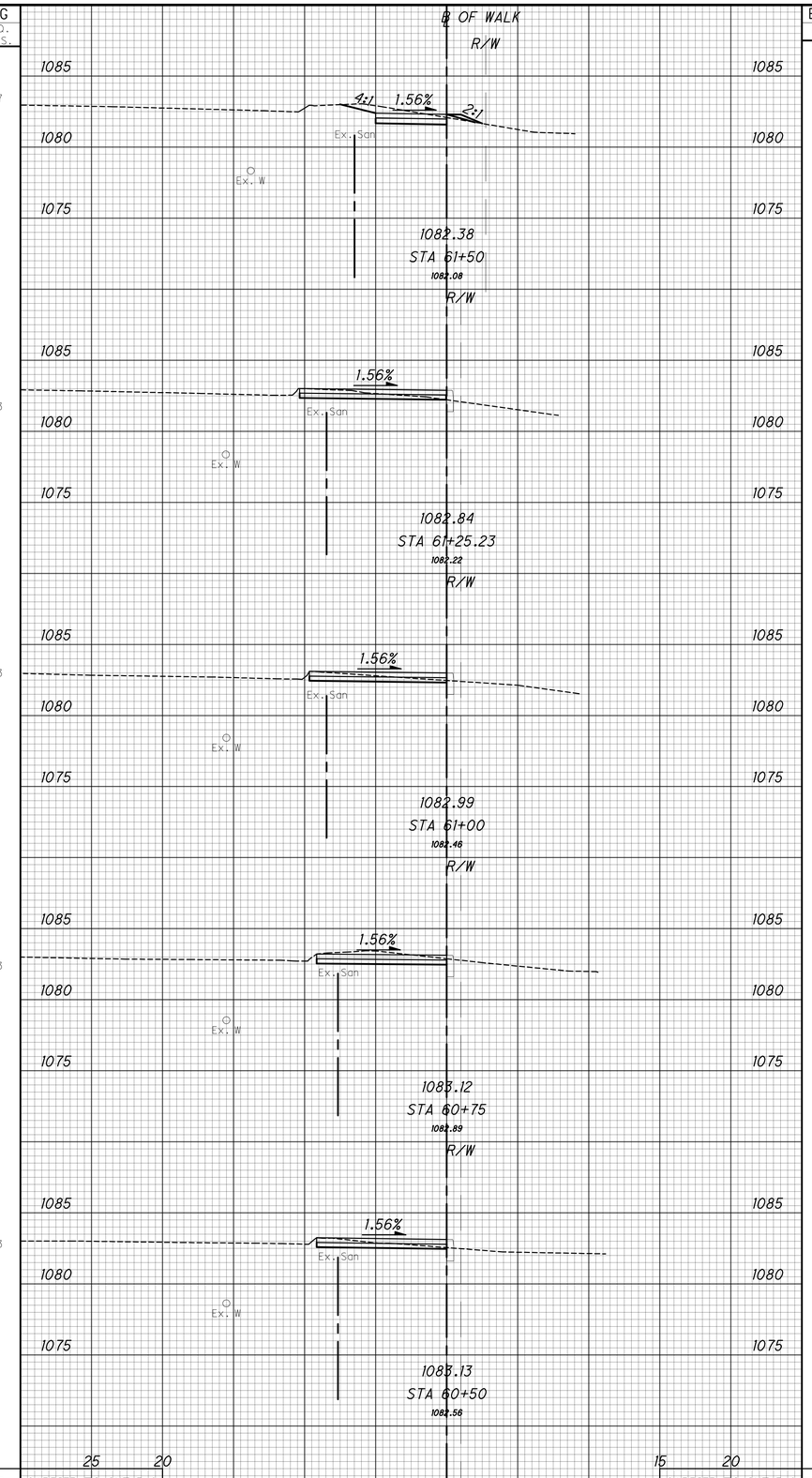


SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	3			2.2	0.4
1		2.6	0.1		
	1			0.8	0.1
1		2.5	0.1		
	1			1.0	0.1
1		6.5	0		
	1			1.3	0
2		4.7	0		
	1			0.5	0
1		1.7	0		
	7			6	1

CARRIED TO SHT P.8 CARRIED TO SHT P.8



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	7			1.6	0.7
1		3.0	1.1		
	3			2.0	1.6
1		1.3	2.3		
	3			1.1	1.1
1		1.1	0.1		
	3			2.3	0.1
1		3.8	0.1		
	3			2.2	0.4
1		0.9	0.7		
	19			11	4

CARRIED TO SHT P.8 CARRIED TO SHT P.8

HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)

Wales Rd NW (S.R. 241) – Cross Sections – Sta. 60+00 to Sta. 61+50
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

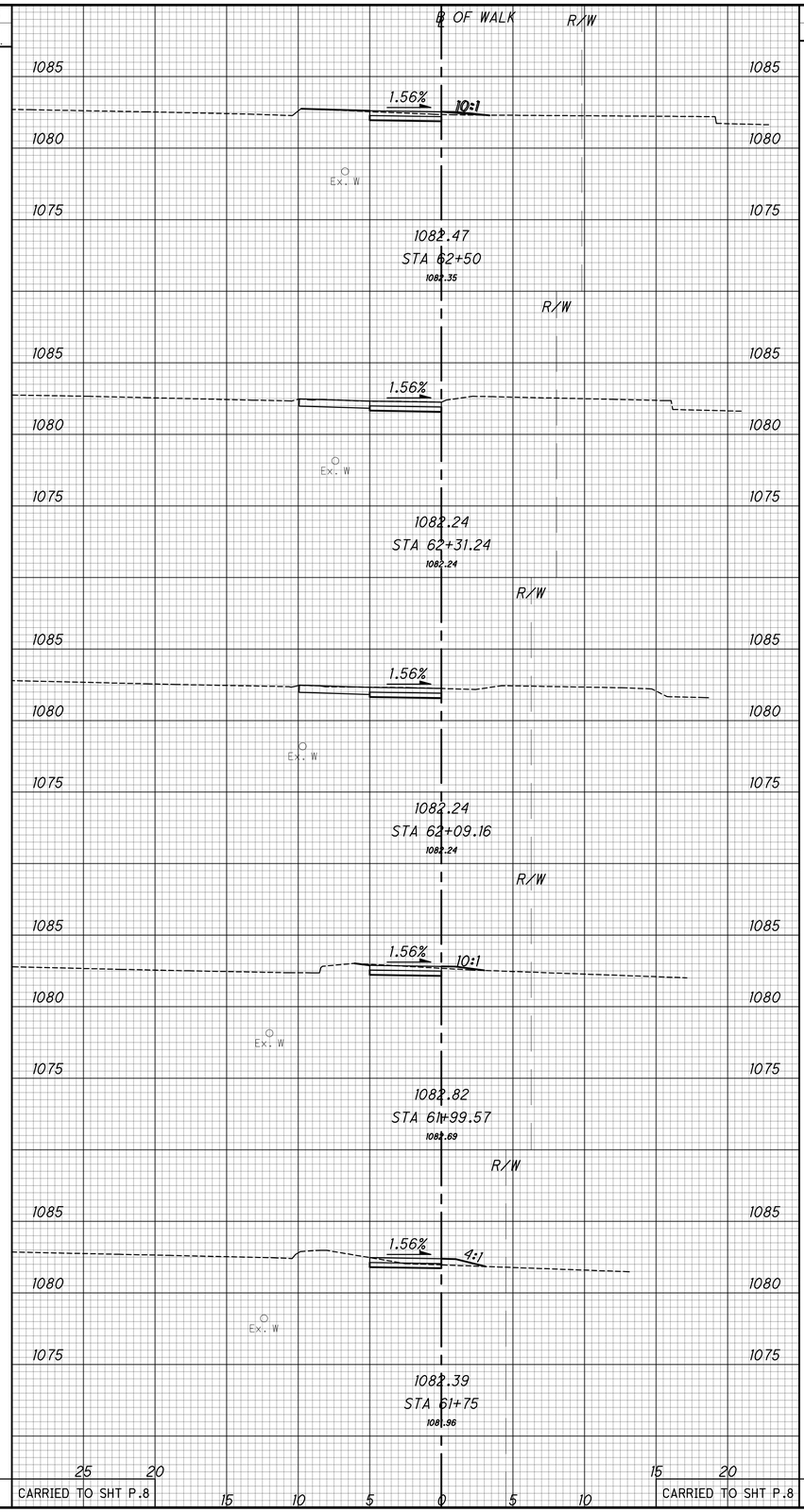
DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

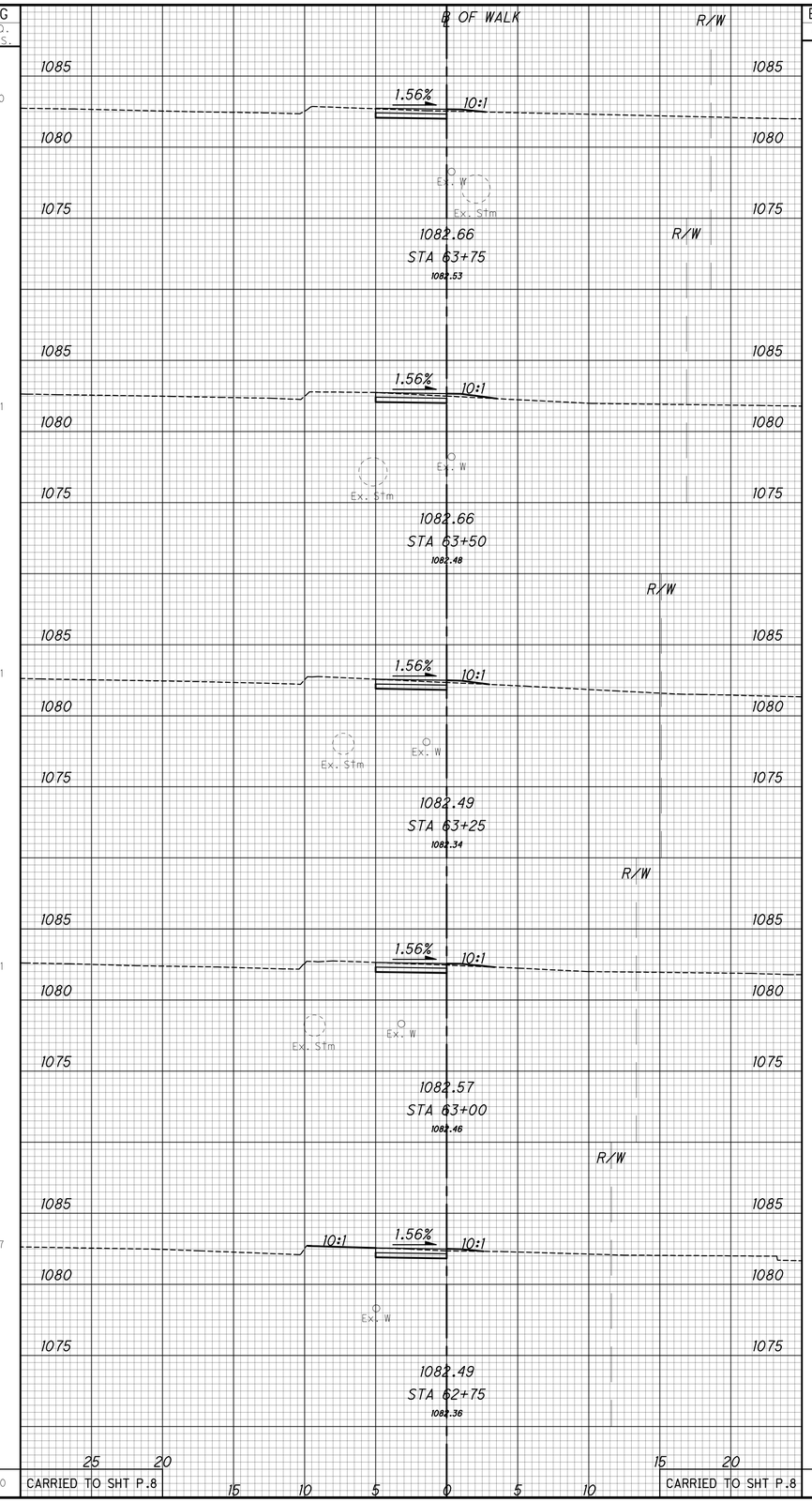
PROJECT ID
117553

SHT NO. P.25 TOTAL 43

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	23			1.2	0.7
8		1.1	1.1		
	10			1.9	0.4
1		4.3	0		
	4			3.5	0
2		4.3	0		
	4			1.0	0.1
5		1.6	0.2		
	13			0.1	0.5
4		0.4	0.8		
	54			8	2



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	10			1.2	0.3
4		1.3	0.5		
	11			1.3	0.5
4		1.4	0.5		
	11			1.3	0.4
4		1.4	0.3		
	11			1.3	0.2
4		1.4	0.2		
	17			1.3	0.3
8		1.5	0.5		
	60			7	2



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 02.41 14.58 (SRTS)
Wales Rd NW (S.R. 241) – Cross Sections – Sta. 61+75 to Sta. 63+75
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

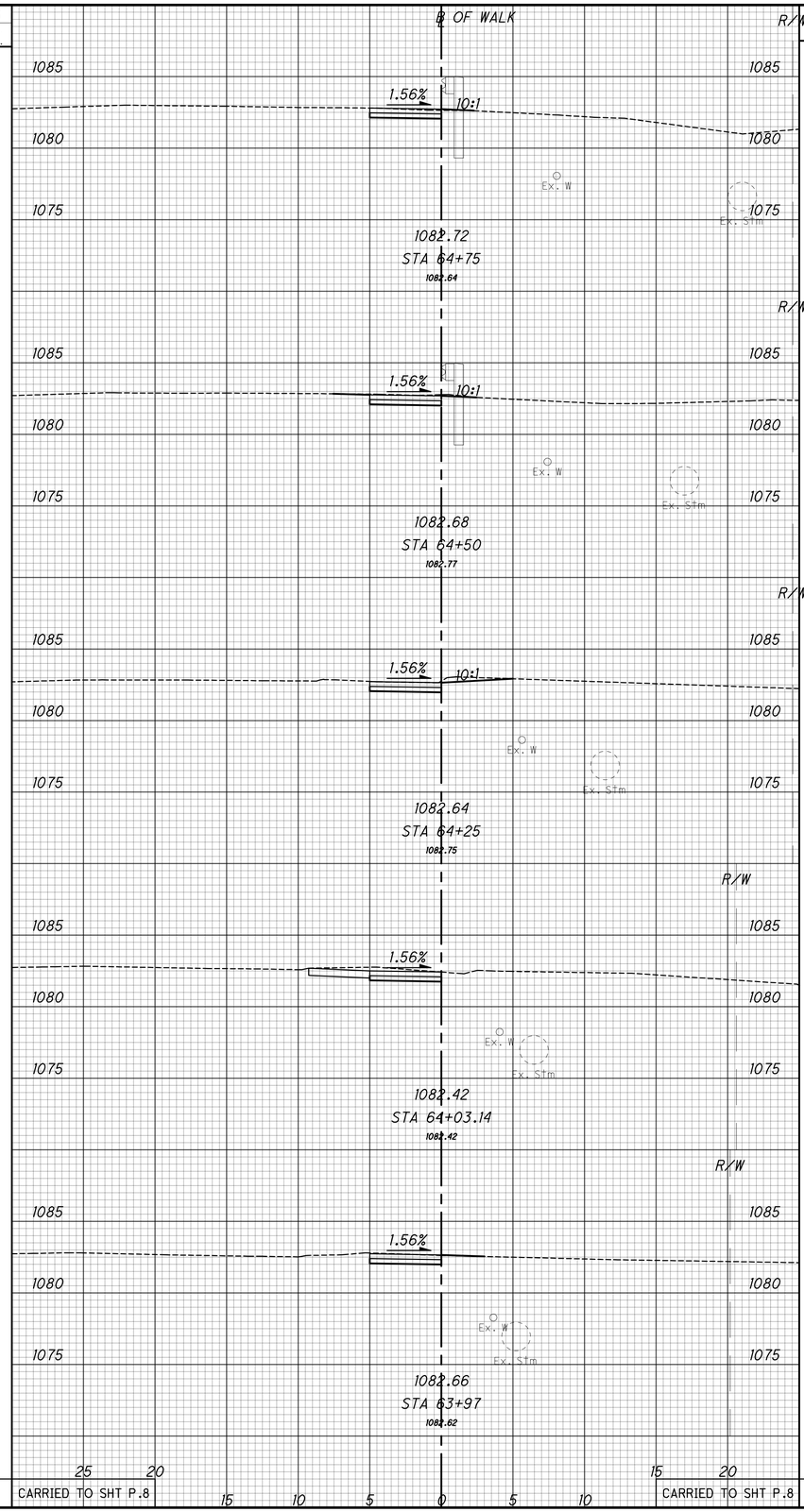
PROJECT ID
117553

SHT NO. P.26 TOTAL 43

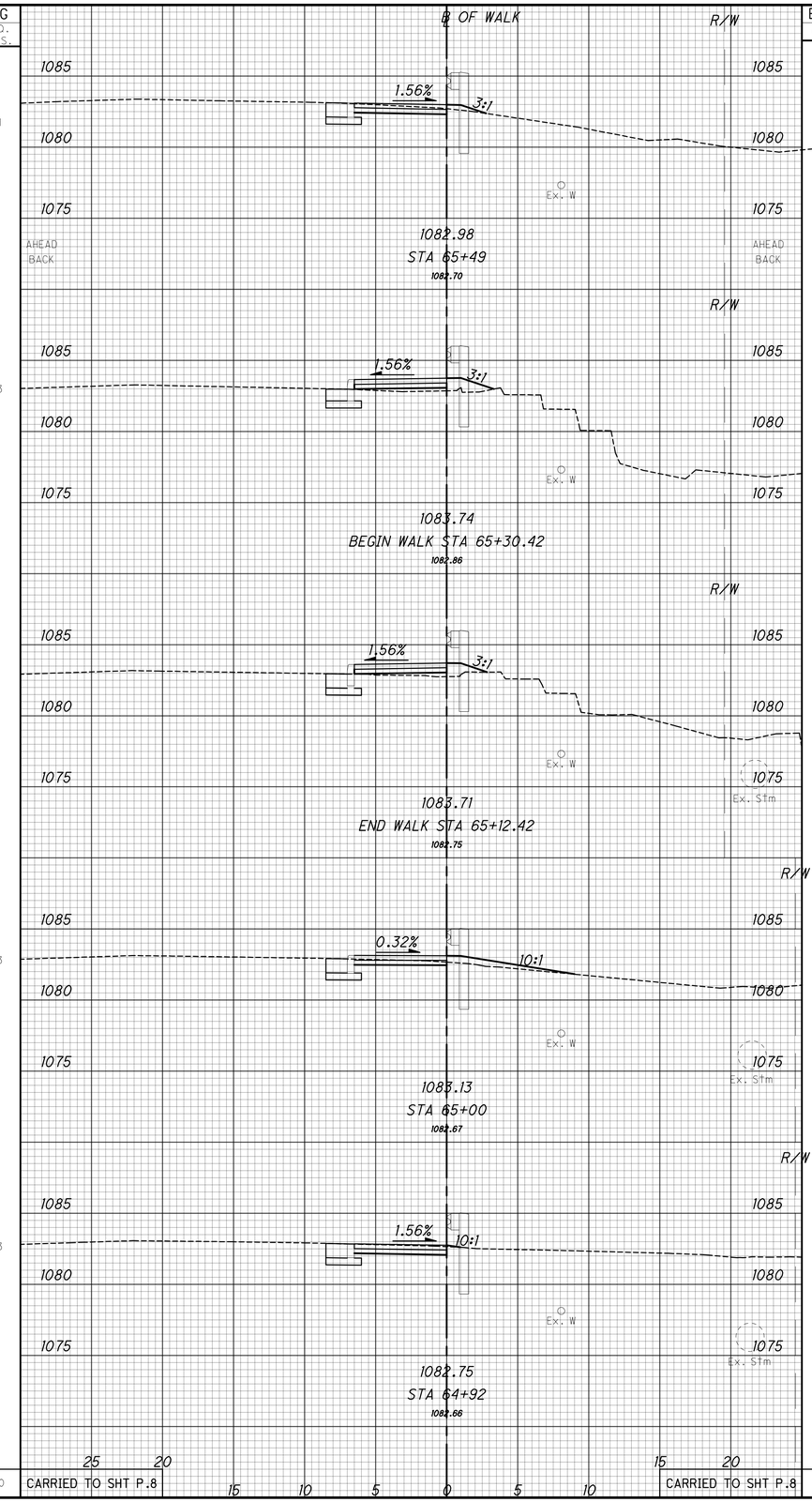
STA SR 241 14.58 (SRTS)

MODEL: SurFt; PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
:\!Submittal-117553\CADFiles\Sheet Files\117553_GX011.dwg

SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	14	1082.72 STA 64+75 (1082.64)			2.0	0.1
6			1.5	0.1		
	17	1082.68 STA 64+50 (1082.77)			3.5	0.1
6			2.3	0		
	17	1082.64 STA 64+25 (1082.75)			2.3	0
6			2.7	0		
	10	1082.42 STA 64+03.14 (1082.42)			3.2	0
2			5.1	0		
	2	1082.66 STA 63+97 (1082.62)			0.8	0.1
4			1.7	0.1		
	60	CARRIED TO SHT P.8			12	1



SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	1	1082.98 STA 65+49 (1082.70)			0.1	0.1
3	AHEAD		AHEAD	2.8	0.1	
3	BACK		BACK	6.7	0.4	
	3	1083.74 BEGIN WALK STA 65+30.42 (1082.86)			3.6	0.7
1			3.7	1.6		
	1	1083.71 END WALK STA 65+12.42 (1082.75)				
1			3.7	1.6		
	3	1083.13 STA 65+00 (1082.67)			2.6	0.4
3			7.5	0.1		
	3	1082.75 STA 64+92 (1082.66)			2.2	0.1
3			7.4	0.1		
	10	CARRIED TO SHT P.8			9	2



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 241 14.58 (SRTS)

MODEL: SurFt PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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STA SR 02.41 14.58 (SRTS)
Wales Rd NW (S.R. 241) – Cross Sections – Sta. 63+97 to Sta. 65+50
Jackson Township
Stark County, Ohio

COMPANY: CIVPRO ENGINEERING

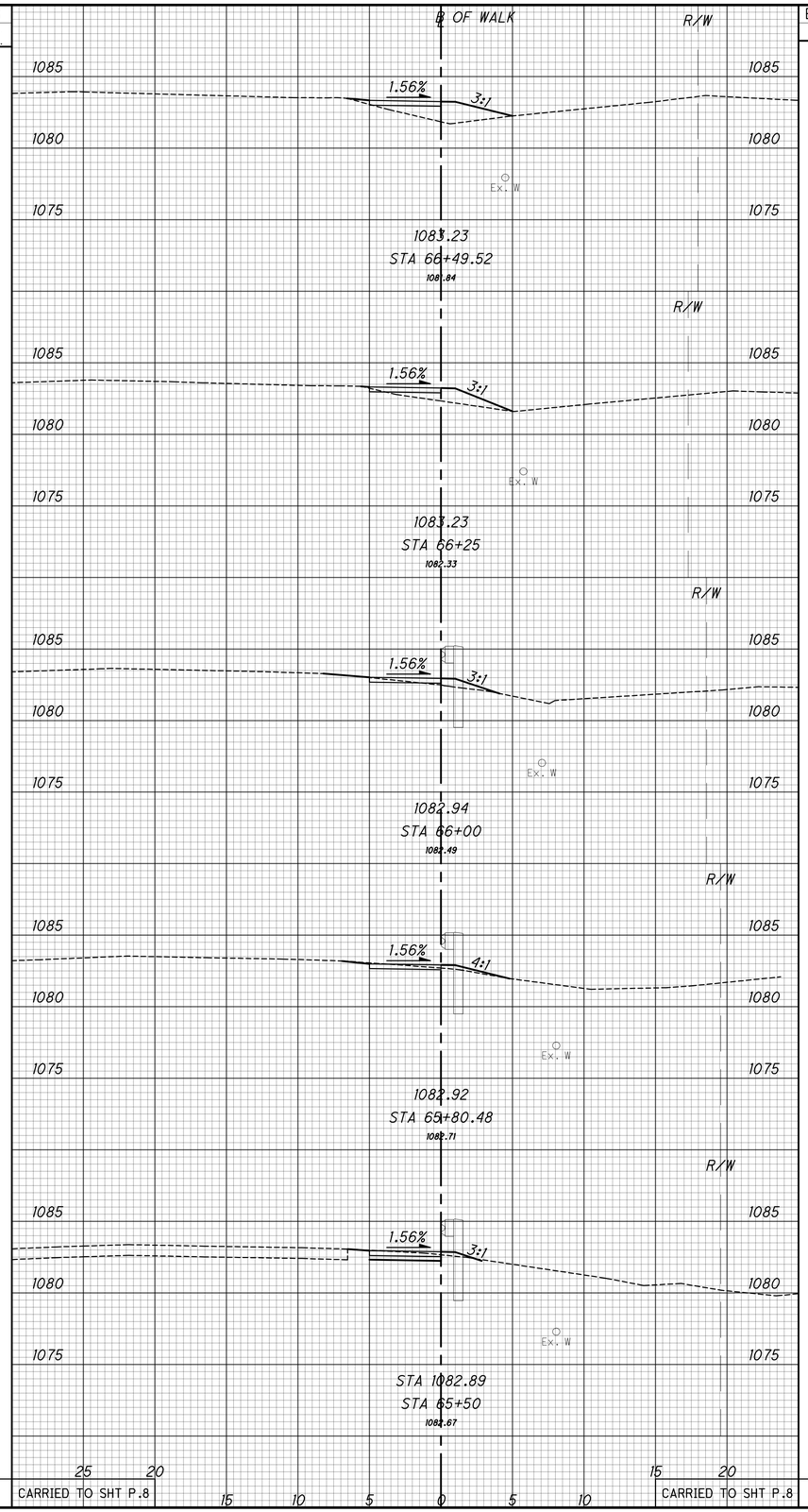
DESIGNER: FPW

REVIEWER / DATE: KAD 12/18/2025

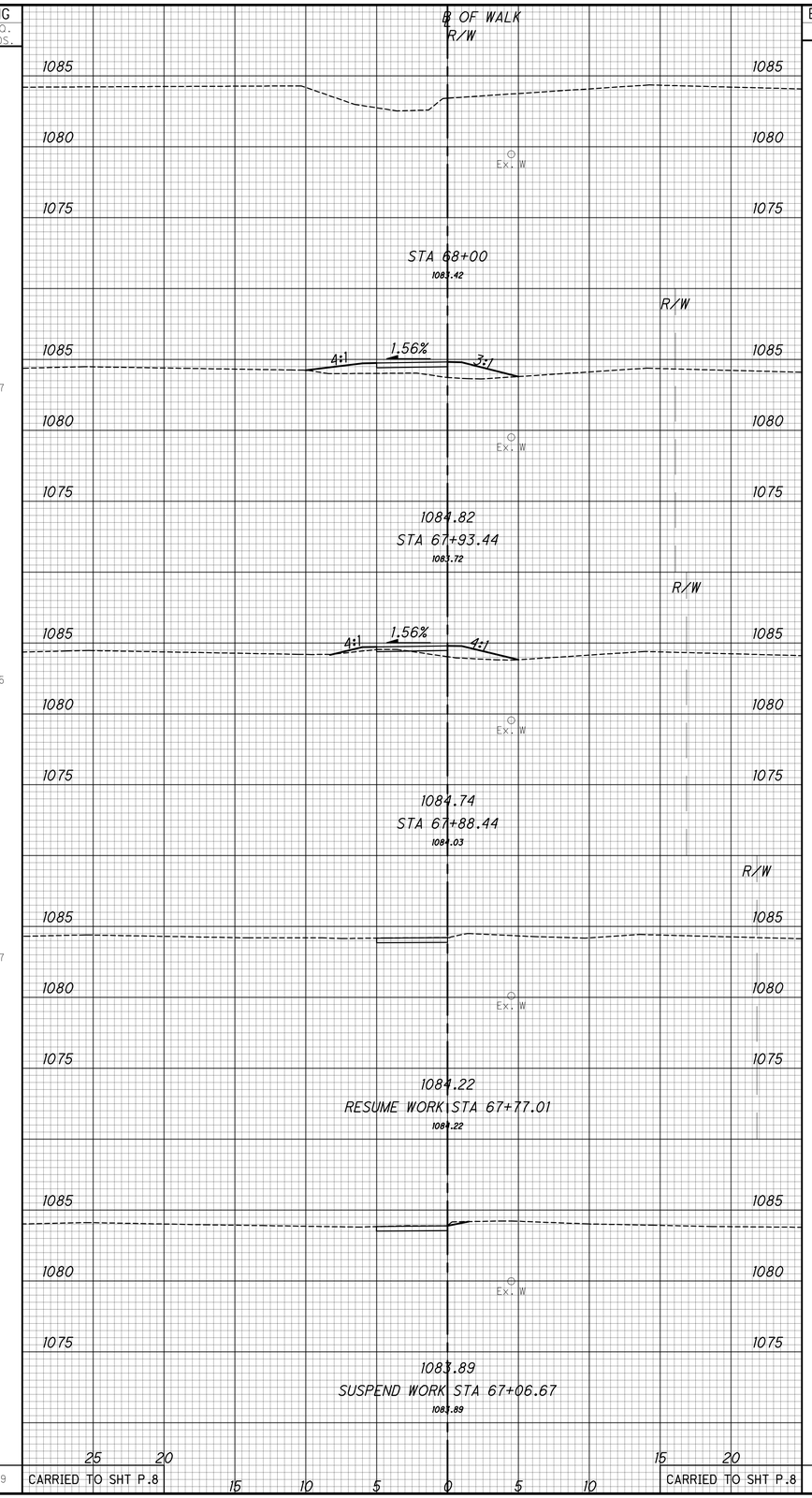
PROJECT ID: 117553

SHT NO. P.27 TOTAL 43

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	32			3.7	0
7		7.6	0		
	18			5.1	0
6		3.5	0		
	20			1.9	0.4
8		0.6	0.9		
	17			0.1	0.5
7		1.4	0.4		
	17			2.5	0.2
3		2.8	0.1		
	104			11	1



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0		0	0		
	7			0	1.1
10		0	6.4		
	5			0.1	0.8
8		0.5	2.7		
	7			0.5	0.6
2		1.7	0		
3		1.9	0		
	19			1	3



HORIZONTAL SCALE IN FEET
0 2.5 5 10

STA SR 241 14.58 (SRTS)

STA SR 02.41 14.58 (SRTS)
Wales Rd NW (S.R. 241) – Cross Sections – Sta. 65+80.48 to Sta. 68+00
Jackson Township
Stark County, Ohio

COMPANY
CIVPRO ENGINEERING

DESIGNER
FPW

REVIEWER / DATE
KAD 12/18/2025

PROJECT ID
117553

SHT NO. P.28 TOTAL 43

MODEL: SurFt PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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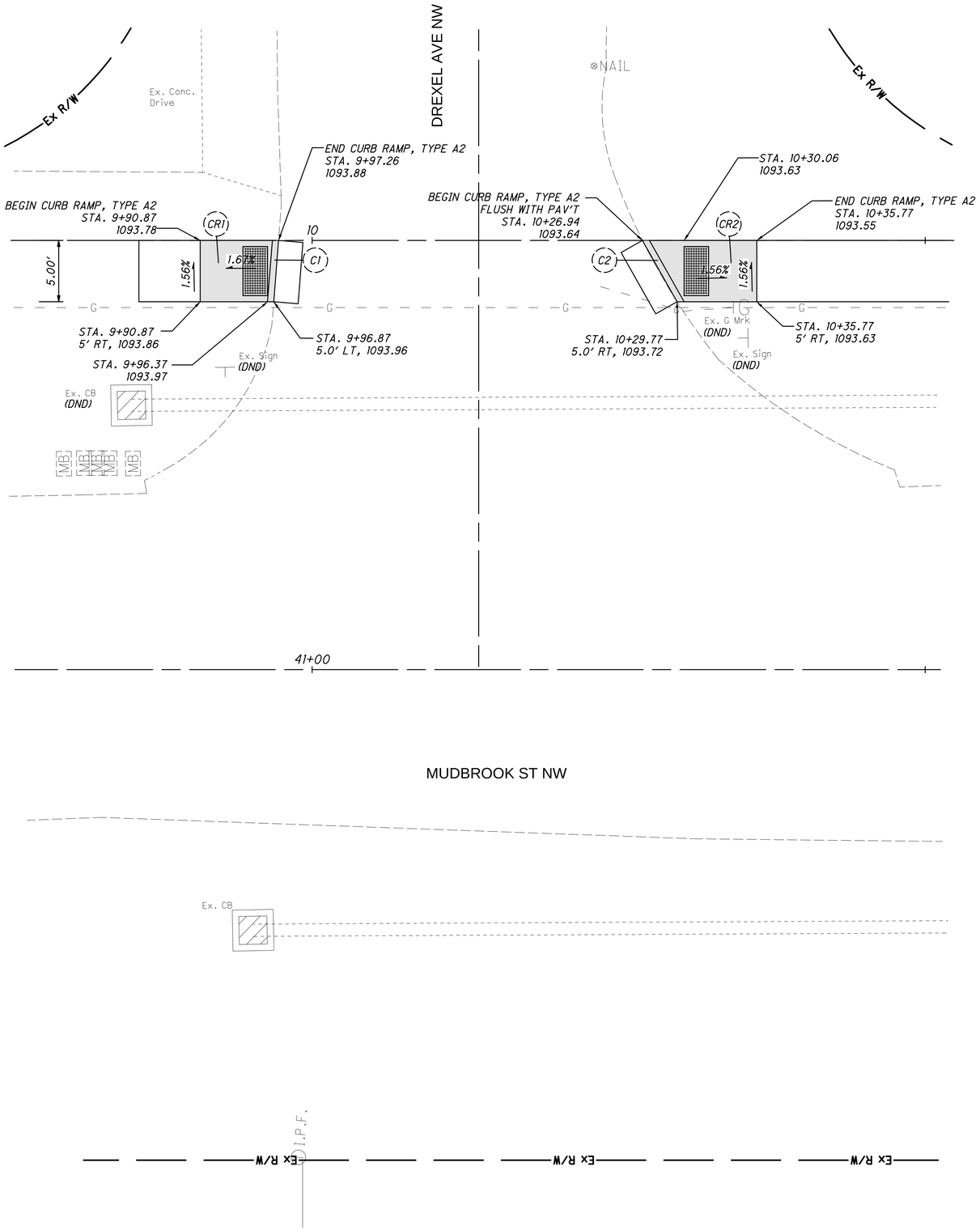

HORIZONTAL SCALE IN FEET
0 2.5 5 10

INTERSECTION AND CURB RAMP DETAIL SHEET

LOGO:

OVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.29
SHEET	43

STA SR 241 14.58 (SRTS)

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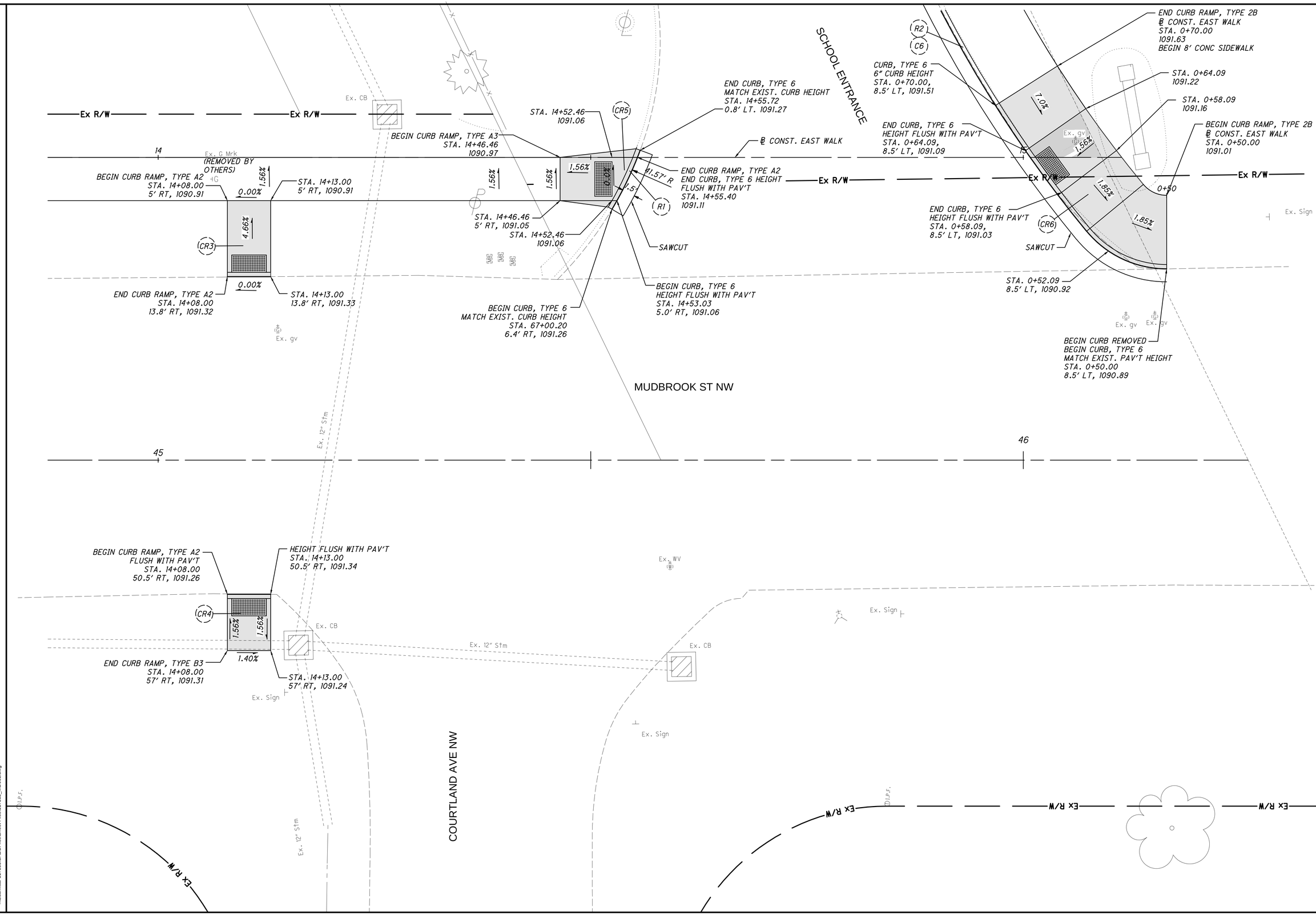

HORIZONTAL SCALE IN FEET
0 2.5 5 10

INTERSECTION AND CURB RAMP DETAIL SHEET

STA SR 241 14.58 (SRTS)

MODEL: SwFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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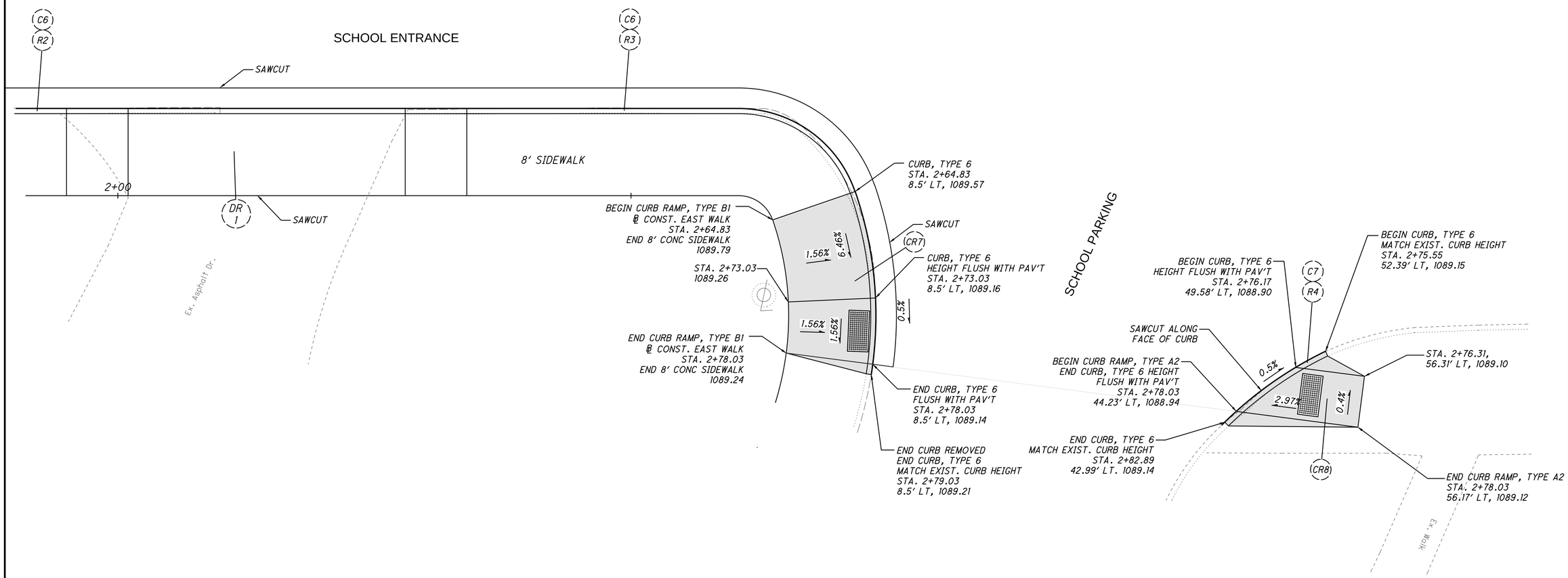
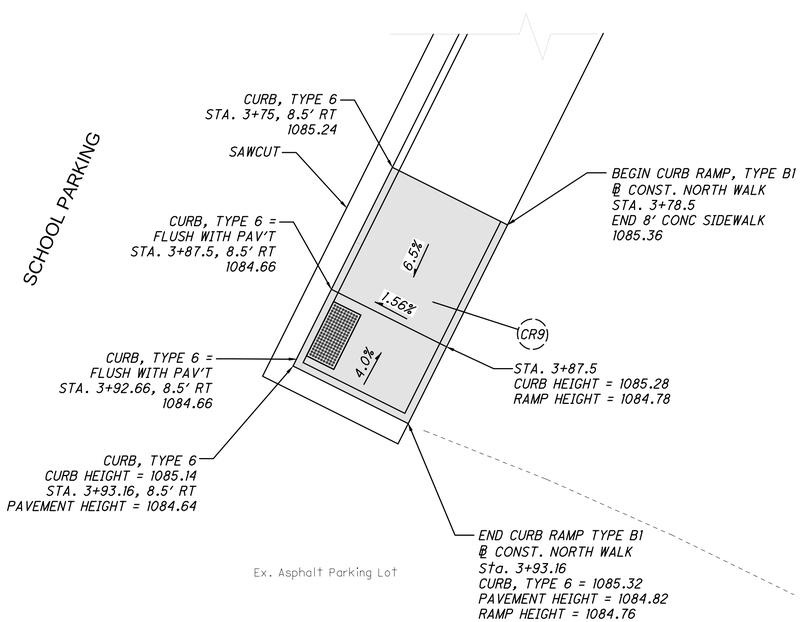
LOGO:

CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.30
SHEET	43





HORIZONTAL SCALE IN FEET
0 2.5 5 10

N

INTERSECTION AND CURB RAMP DETAIL SHEET

LOGO:

CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET P.31	SHEET 43

STA SR 241 14.58 (SRTS)

MODEL: SivrFL PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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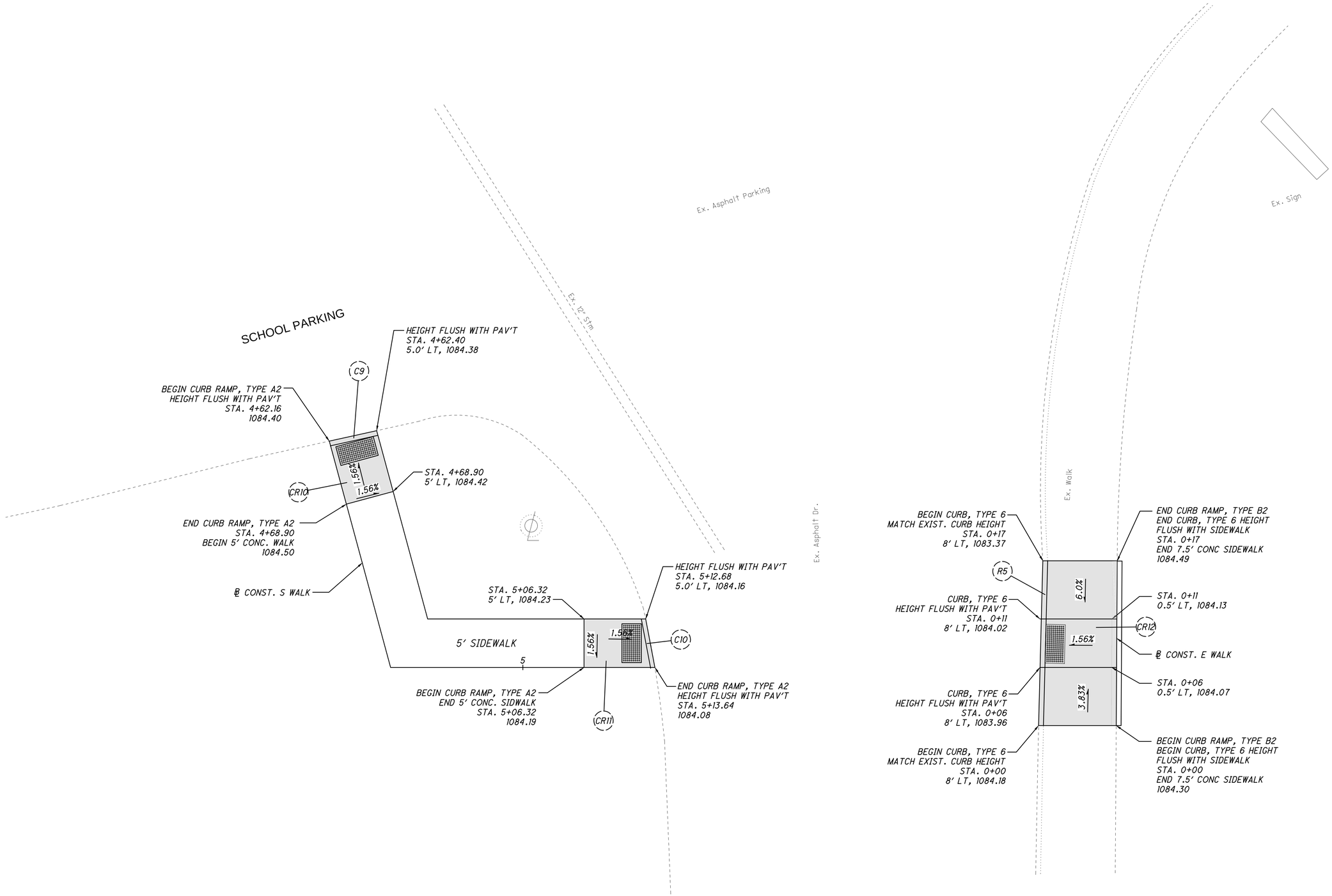

HORIZONTAL SCALE IN FEET
0 2.5 5 10

INTERSECTION AND CURB RAMP DETAIL SHEET

STA SR 241 14.58 (SRTS)

MODEL: SurvFt. PAPERSIZE: 34x22 (In.) DATE: 12/17/2025 USER: fwerner
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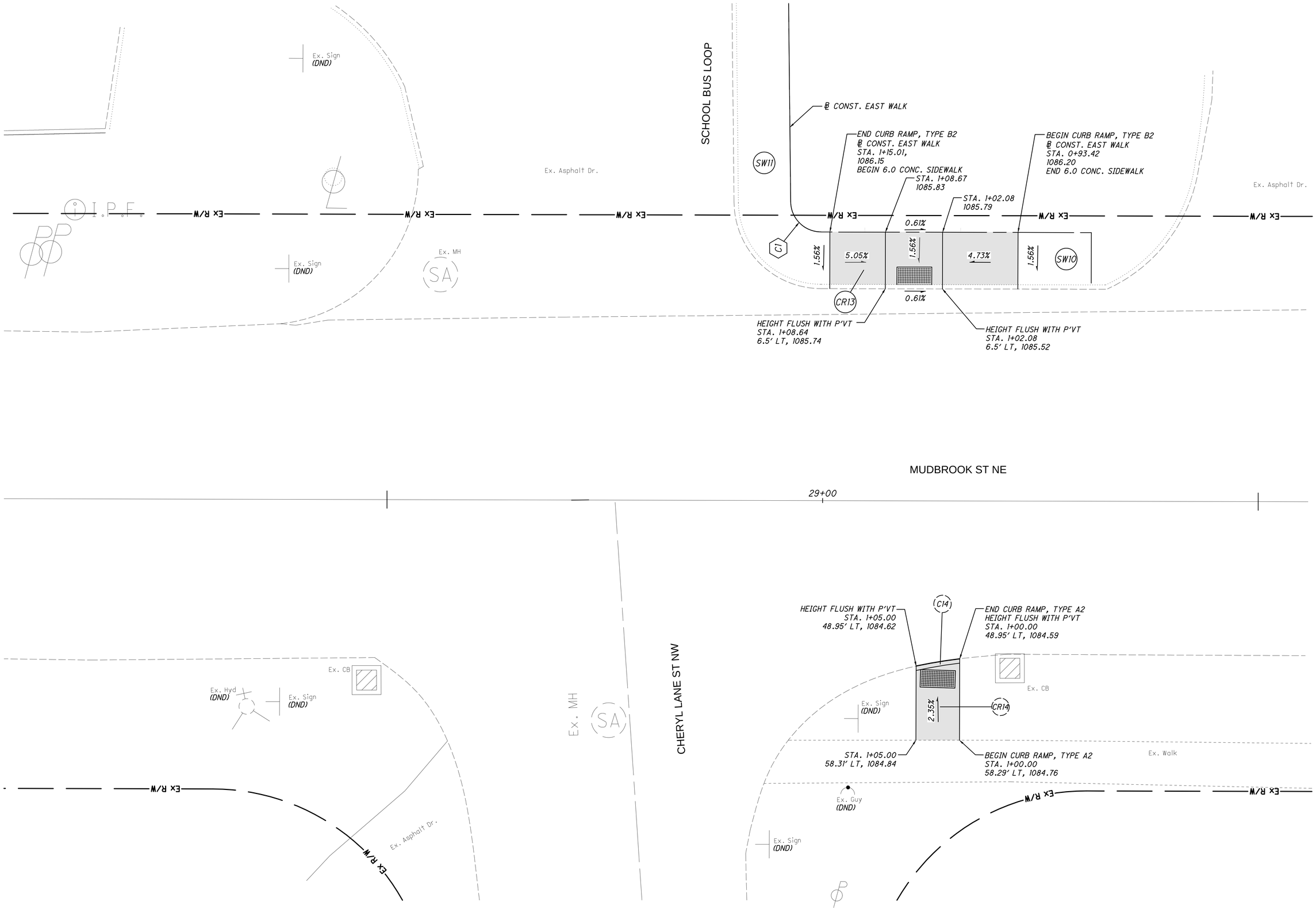
LOGO:

CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.32
SHEET	43



HORIZONTAL SCALE IN FEET
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INTERSECTION AND CURB RAMP DETAIL SHEET

STA SR 241 14.58 (SRTS)

MODEL: SivrFL PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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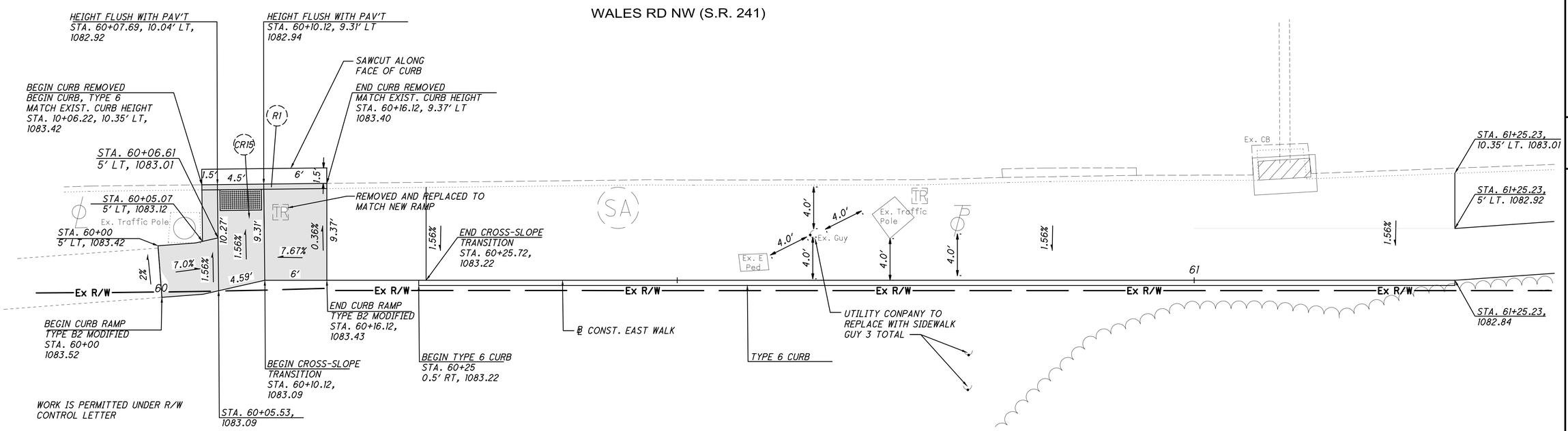
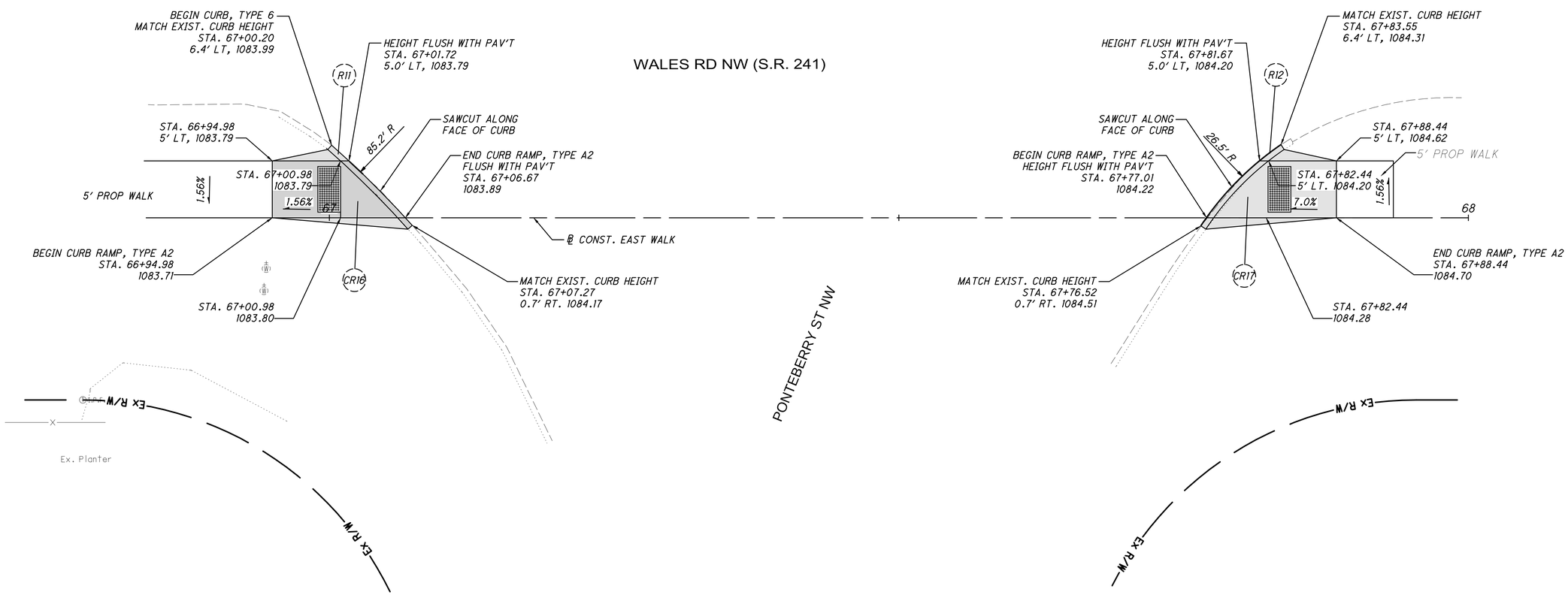
LOGO:
CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.33
SHEET	43





HORIZONTAL SCALE IN FEET
0 2.5 5 10

INTERSECTION AND CURB RAMP DETAIL SHEET

STA SR 241 14.58 (SRTS)

MODEL: SivrFL PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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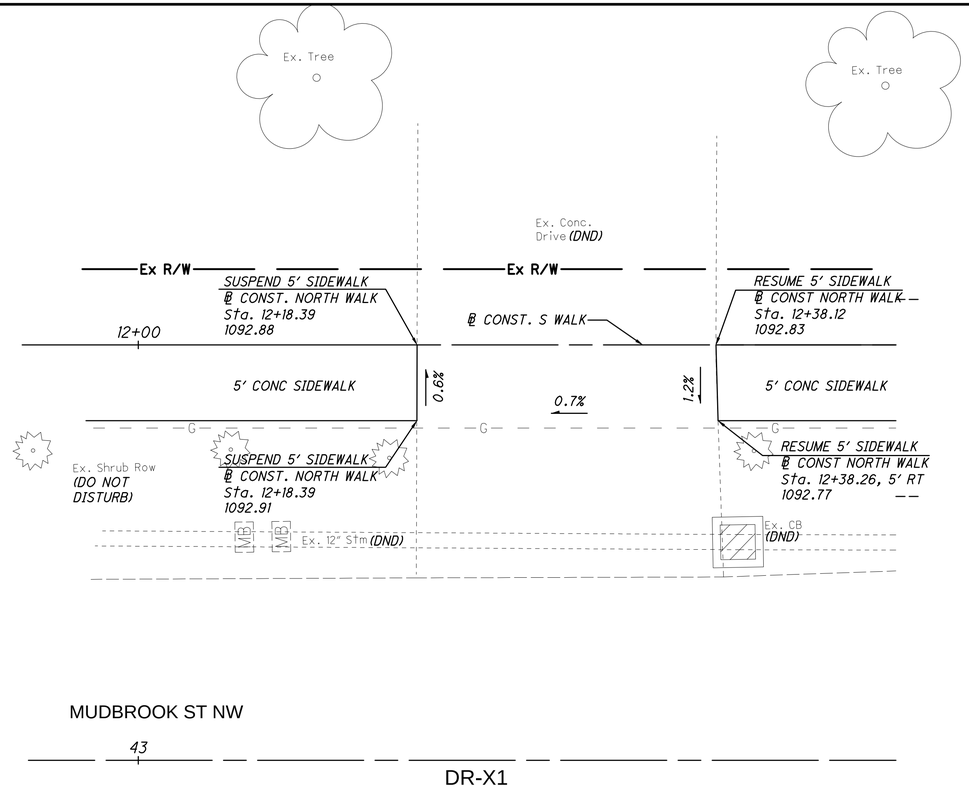
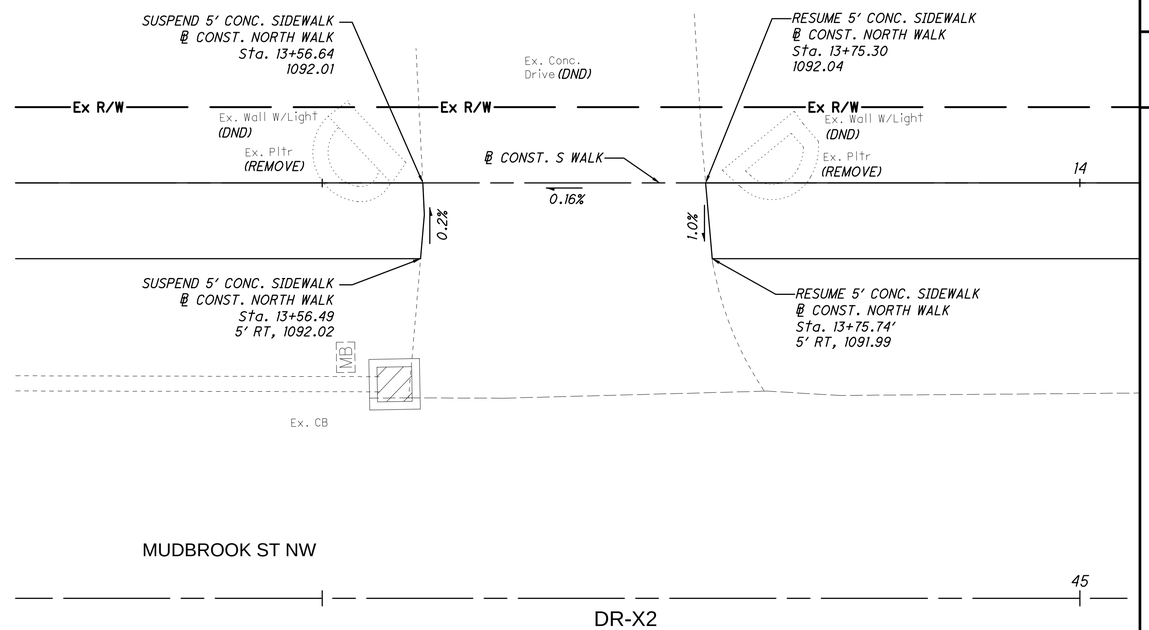
LOGO:
CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.34
SHEET	43



DR-X1



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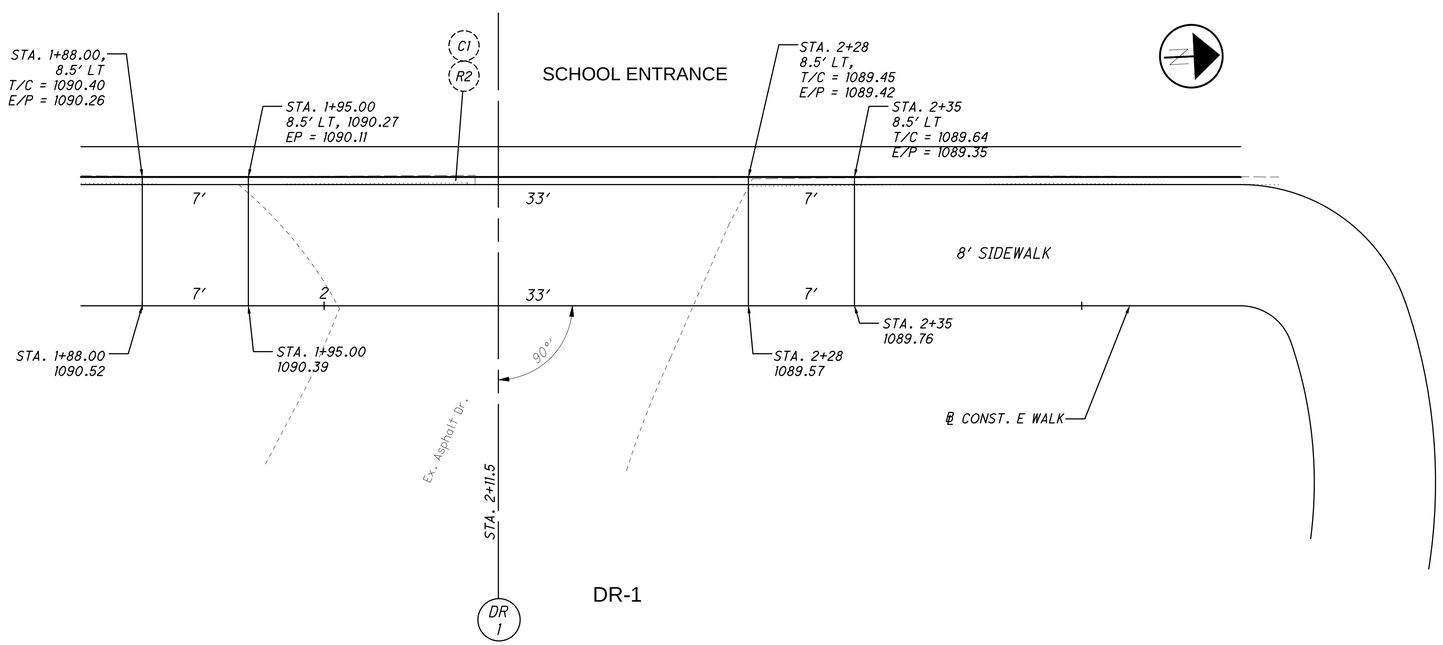

DR-1

HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVEWAY DETAIL SHEET

LOGO:
CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET	P.35
SHEET	43

STA SR 241 14.58 (SRTS)

MODEL: SurFt. PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: lwerner
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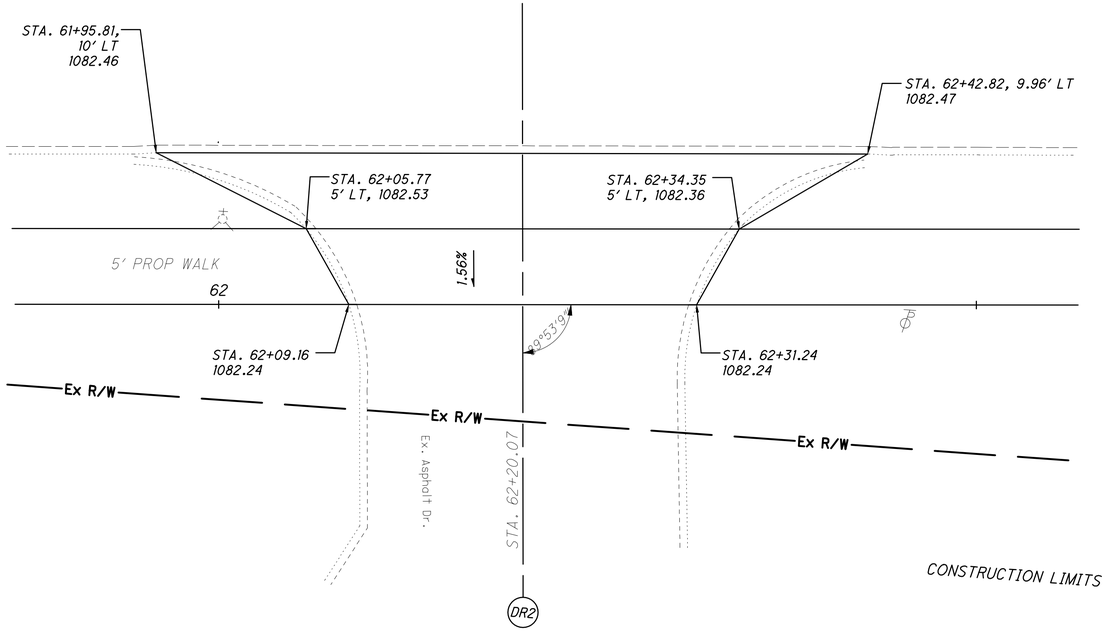
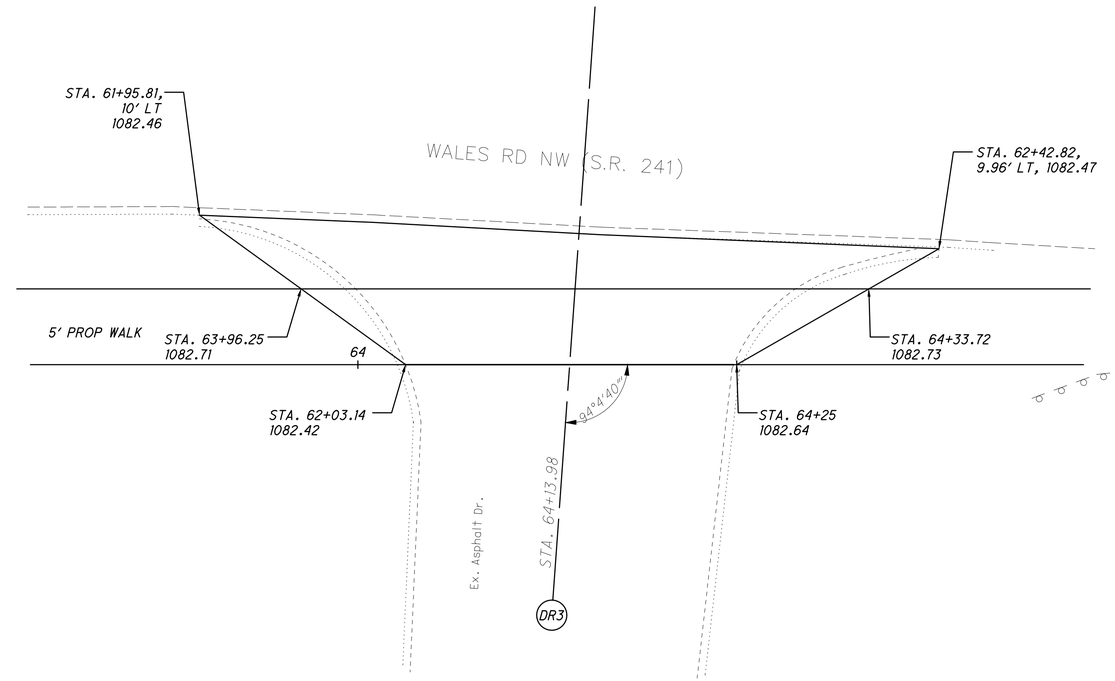
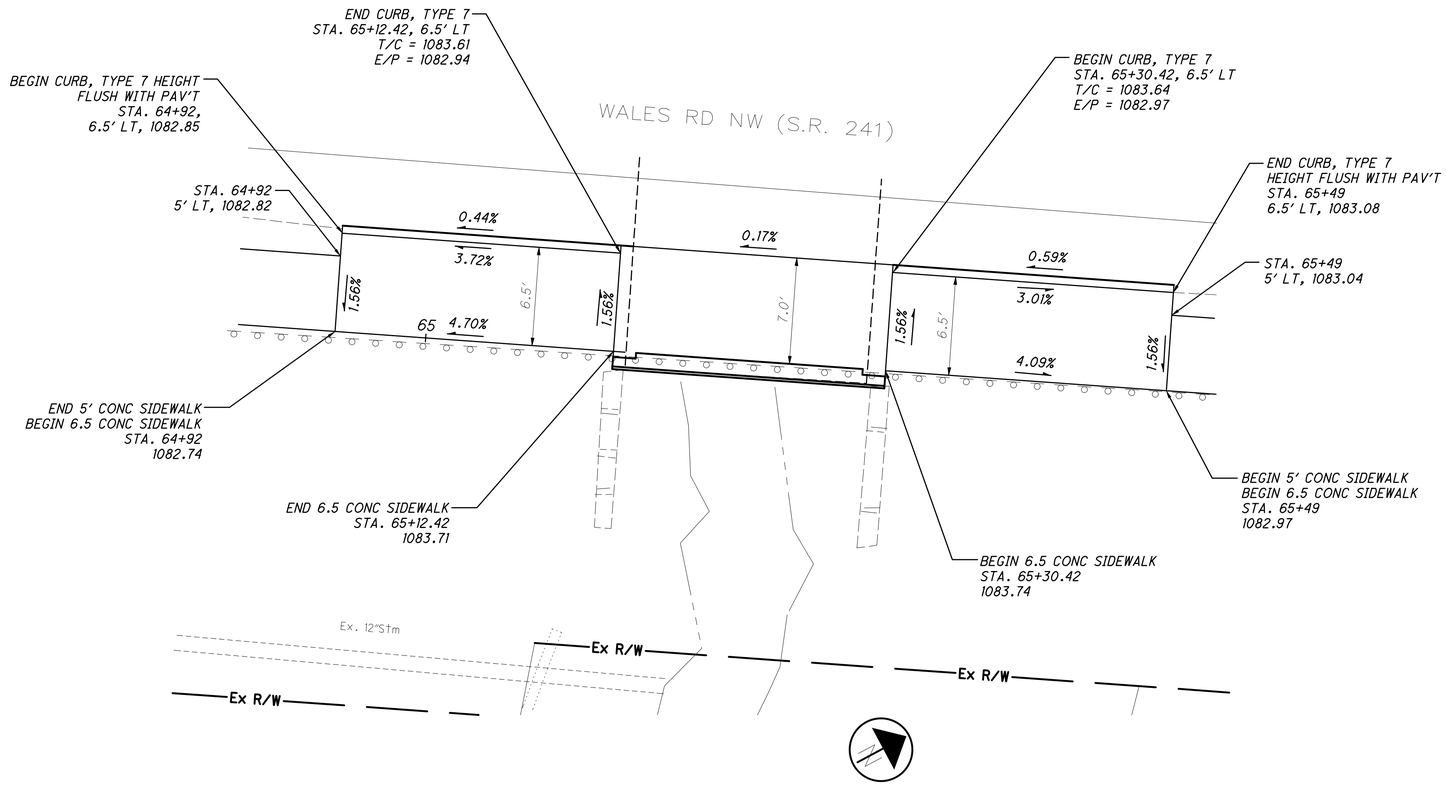


DR-2



DR-3



HORIZONTAL SCALE IN FEET

0 2.5 5 10

DRIVEWAY DETAIL SHEET

LOGO:

CIVPRO ENGINEERING

DESIGNER	FPW
REVIEWER / DATE	KAD 12/18/2025
PROJECT ID	117553
SHEET P.36	SHEET 43

STA SR 241 14.58 (SRTS)

MODEL: SlovFL PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 USER: fwerner
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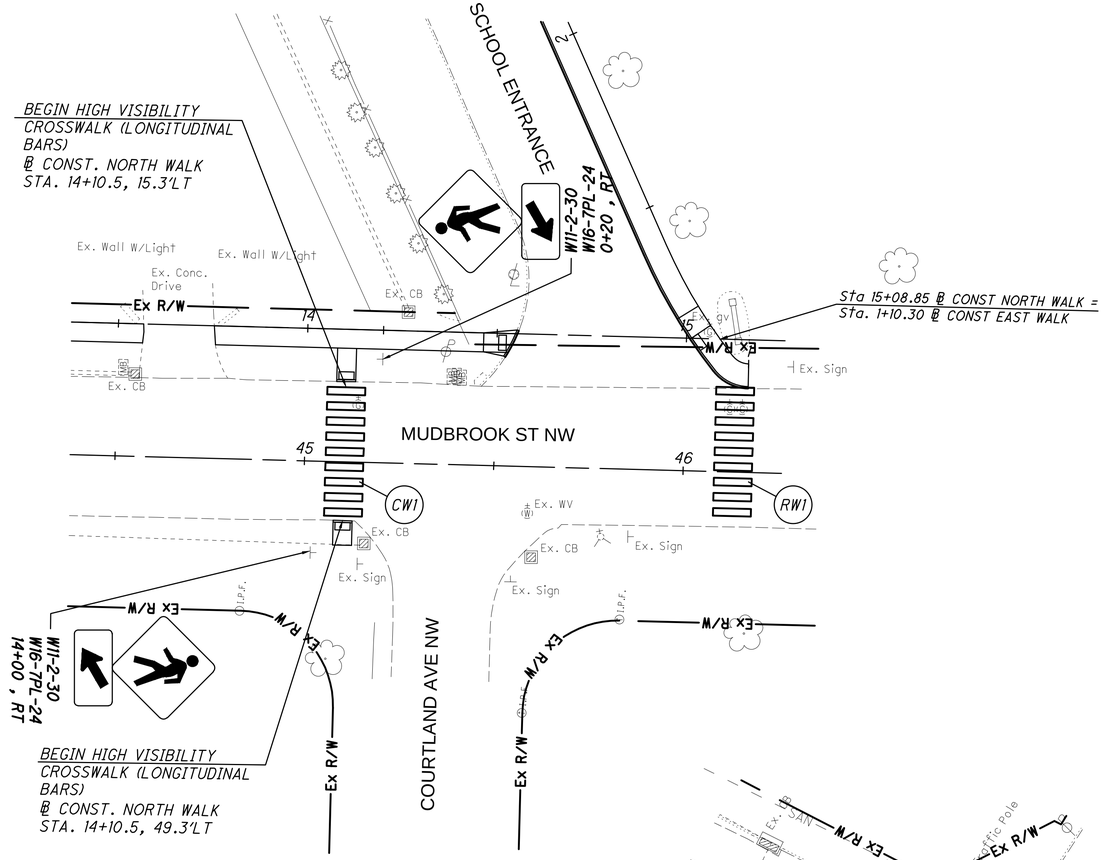
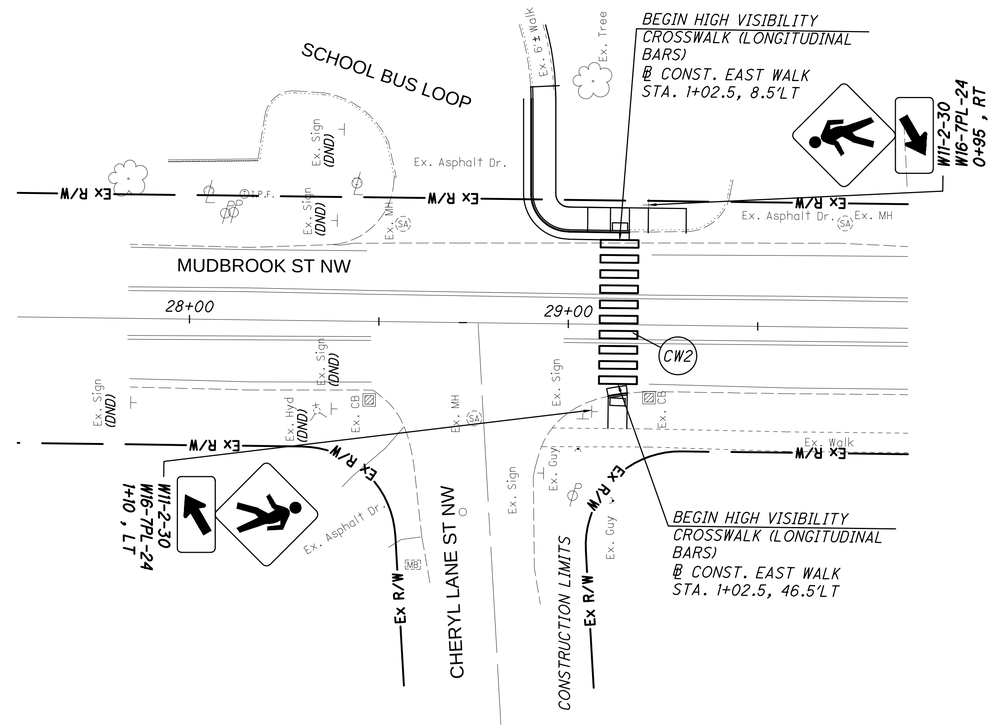
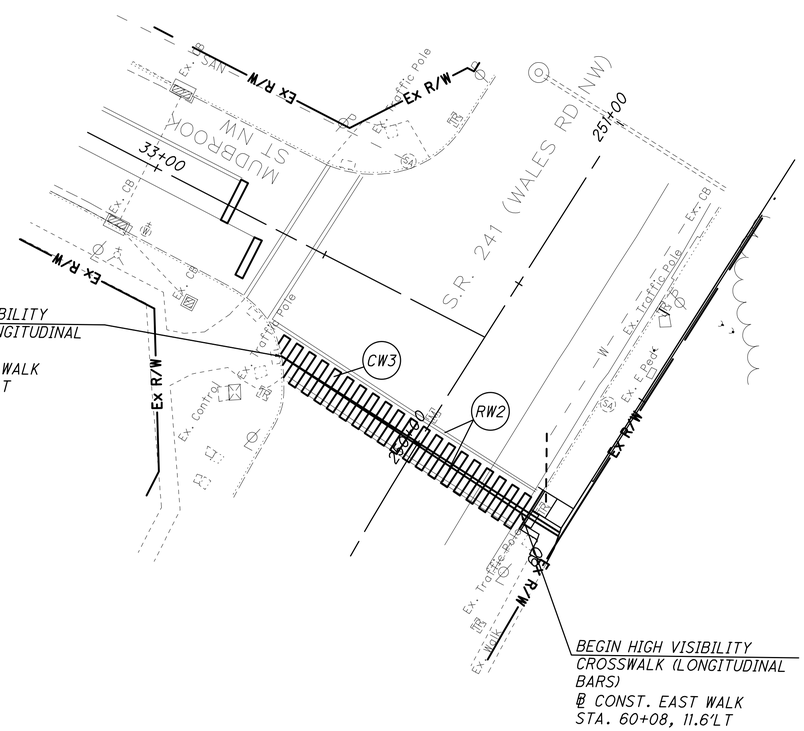
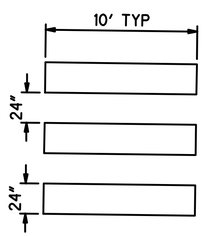


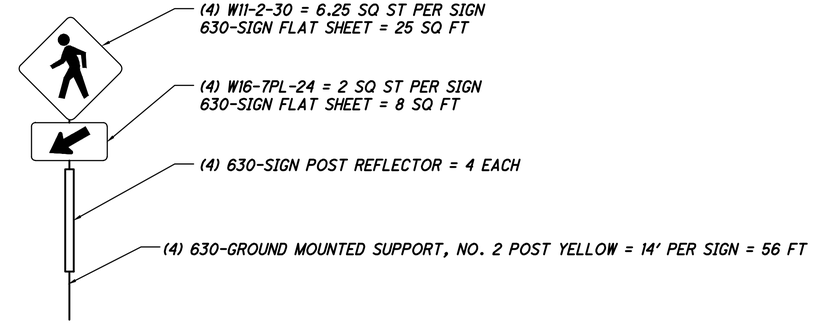






HIGH VISIBILITY CROSSWALK DETAIL (LONGITUDINAL BARS)

REFER TO SCD TC-74.10



CW1	ITEM 646 CROSSWALK LINE 24" - 90 LF
CW2	ITEM 646 CROSSWALK LINE 24" - 100 LF
CW3	ITEM 646 CROSSWALK LINE 24" - 200 LF
EW	* ITEM 646 6" EDGE LINE - 0.1 MILES
RW1	ITEM 646 REMOVAL OF PAVEMENT MARKING - 90 LF
RW2	ITEM 646 REMOVAL OF PAVEMENT MARKING - 154 LF

NOTE:

* - ITEM TO BE USED AS DIRECTED BY ENGINEER TO REPAIR EXISTING EDGE LINE DISTURB DURING CONSTRUCTION

HORIZONTAL SCALE IN FEET 0 10 20 40

TRAFFIC CONTROL PLAN

LOGO: CIVPRO ENGINEERING

DESIGNER: FPW

REVIEWER / DATE: KAD 12/18/2025

PROJECT ID: 117553

SHEET: P.37 | SHEET: 43

STA SR 241 14.58 (SRTS)

MODEL: SurFt. PAPERSIZE: 34x22 (In.) DATE: 12/17/2025 USER: fwerner
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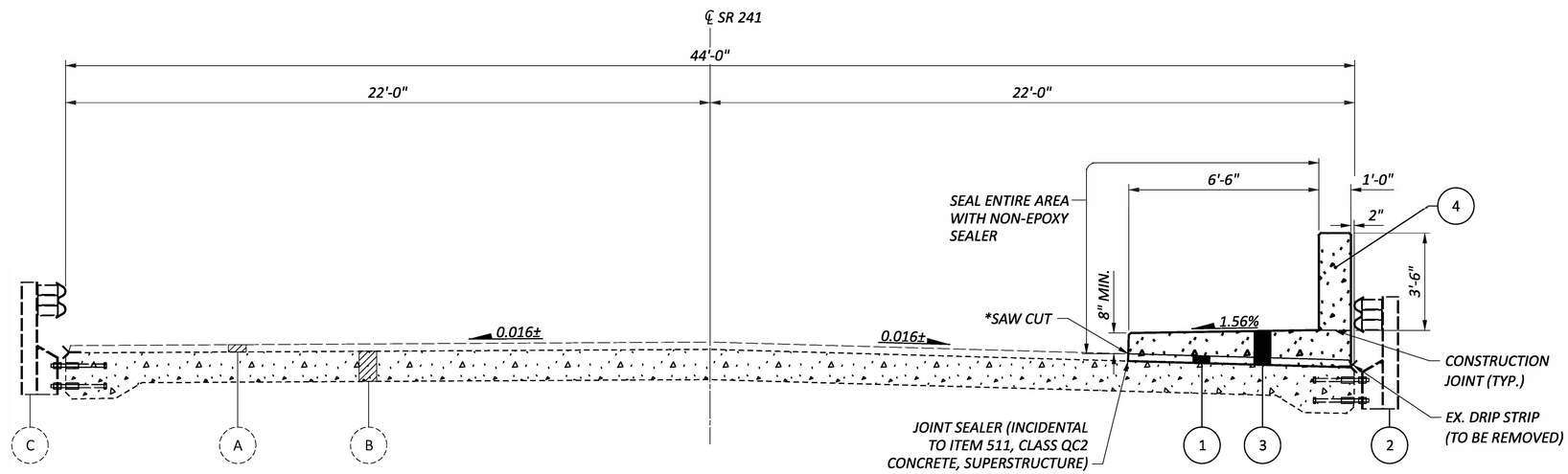
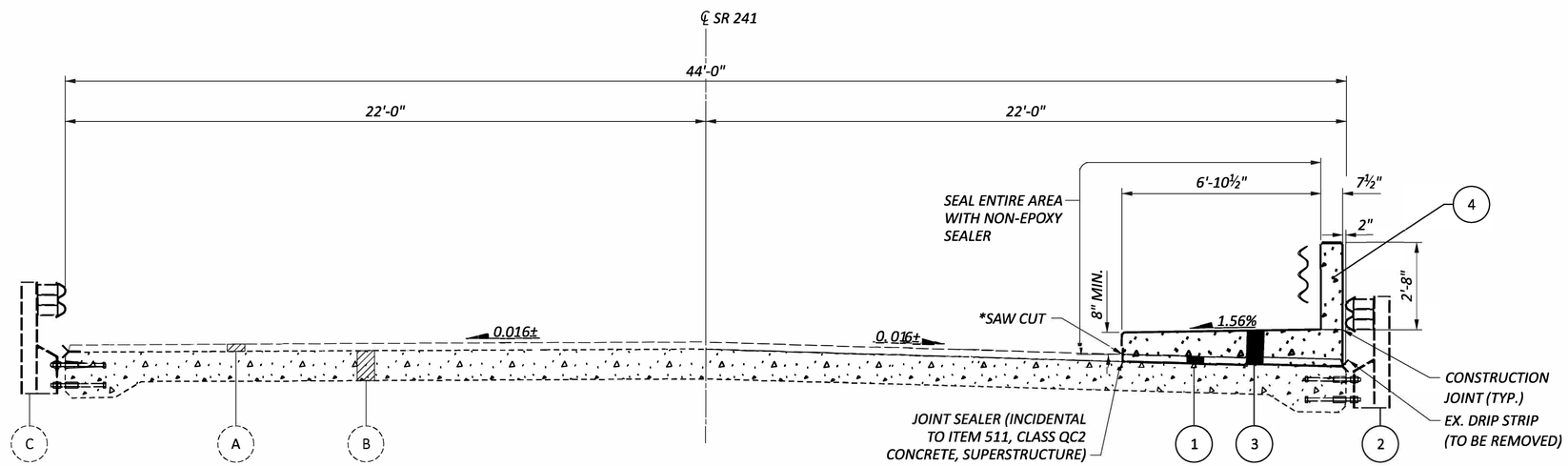


TYPICAL SECTION 1

STA. 65+13.92 TO STA. 65+28.92



TYPICAL SECTION 2

STA. 65+12.42 TO STA. 65+13.92

STA. 65+28.92 TO STA. 65+30.42

LEGEND

1. ITEM 202 - WEARING COURSE REMOVED (T=3"± UP TO CONCRETE SLAB)
   *SAW CUTTING SHALL BE INCIDENTAL TO ITEM 202 - WEARING COURSE REMOVED
2. ITEM 202 - BRIDGE RAILING REMOVED
3. ITEM 511 - CLASS QC2 CONCRETE, SUPERSTRUCTURE
4. ITEM 517 - RAILING, CONCRETE (AS PER SCD BR-2-15)

- A EXISTING ASPHALT CONCRETE (T=3"±)
- B EXISTING CONCRETE SLAB (T=12¼"±)
- C EXISTING BRIDGE RAILING

TYPICAL SECTIONS -- STA-241-14.676

DESIGN AGENCY

DESIGNER JF

REVIEWER TJP 06-01-25

PROJECT ID 117553

SHEET P.38 TOTAL 43

STA-241-14.58 (SRTS)

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 12/11/2025 TIME: 6:34:21 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117553 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 04\Stark\117553\400-Engineering\Roadway\Sheets\117553_GY001.dgn

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

BR-2-15 REVISED 7/19/2024

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 17TH EDITION, INCLUDING THE 2012 INTERIM SPECIFICATIONS, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA

QC2 CONCRETE:
COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04*. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

PROPOSED WORK

STA-241-14.676, OVER RUDY FREIDMAN DITCH
-INSTALL NEW CONCRETE RAILING AND SIDEWALK

ITEM 202 - BRIDGE RAILING REMOVED

AFTER THE REMOVAL OF THE EXISTING RAILING POSTS THE CONTRACTOR SHALL FILL ALL HOLES LEFT IN THE DECK EDGE WITH NON-SHRINK, NON-METALLIC GROUT CONFORMING TO CMS 705.20. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 202, BRIDGE RAILING REMOVED.

MAINTENANCE OF TRAFFIC AT STRUCTURE STA-241-14.676

THE FOLLOWING INFORMATION AND QUANTITIES ARE PROVIDED FOR THE SUGGESTED MAINTENANCE OF TRAFFIC WHEN CONSTRUCTING IMPROVEMENTS TO THE STA-241 STRUCTURE CROSSING RUDY FREIDMAN DITCH.

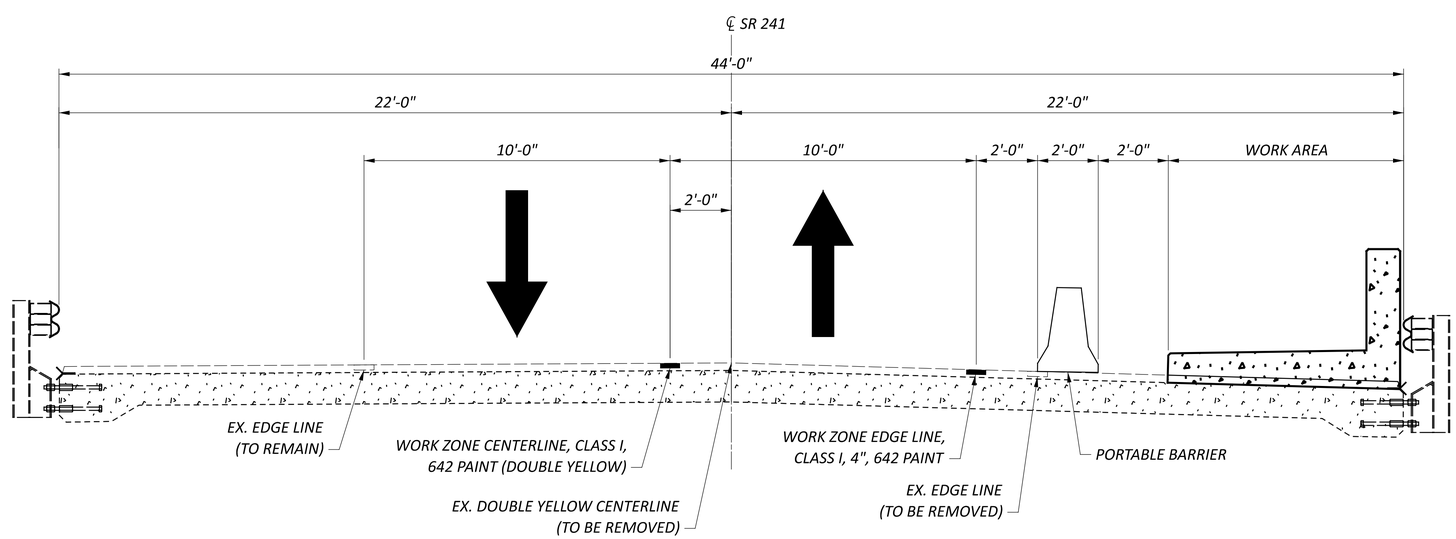
FROM STA. 254+25 THROUGH STA. 254+80, TAPER A 10-FOOT NORTHBOUND LANE 2' INTO THE SOUTHBOUND LANE AS ILLUSTRATED ON THE DETAIL BELOW. THE EXISTING SOUTHBOUND EDGE LINE WILL REMAIN IN PLACE WHEN NARROWING THE SOUTHBOUND LANE. MAINTAIN THE LANE ASSIGNMENTS AS SHOWN BETWEEN STA. 254+80 AND STA. 256+25. BEGINNING AT STA. 256+25, TAPER THE WORK ZONE PAVEMENT MARKINGS TO MEET THE EXISTING PAVEMENT MARKINGS AT STA. 256+80. REMOVE EXISTING MARKINGS THAT CONFLICT WITH THE PROPOSED MAINTENANCE OF TRAFFIC STRIPING.

PROVIDE PORTABLE BARRIER TO PROTECT THE DROP-OFF WHEN WORKING ON THE STRUCTURE. BEGINNING AT APPROXIMATE STA. 254+50 WITH AT LEAST A 4' OFFSET FROM THE NORTHBOUND EDGE LINE, INSTALL AN IMPACT ATTENUATOR AND BEGIN THE PLACEMENT OF PORTABLE BARRIER. TAPER THE EDGE OF THE PORTABLE BARRIER TO WITHIN 2' OF THE NORTHBOUND WORK ZONE EDGE LINE BY STA. 254+80 AS SHOWN BELOW. CONTINUE THE PORTABLE BARRIER THROUGH STA. 256+00 AND END THE BARRIER WITH THE INSTALLATION OF AN IMPACT ATTENUATOR. MAINTAIN ACCESS TO THE NEARBY INTERSECTION AND DRIVE ENTRANCES.

WITH THIS WORK ZONE IN PLACE, THE CONTRACTOR IS ALSO PERMITTED TO MAINTAIN A SINGLE LANE USING FLAGGER CONTROL AS DESCRIBED WITH THE ITEM 614, MAINTAINING TRAFFIC NOTE.

THE FOLLOWING QUANTITIES ARE PROVIDED FOR THE SUGGESTED MOT:

614, WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL),	2 EACH
614, OBJECT MARKER, ONE-WAY,	4 EACH
614, BARRIER REFLECTOR, TYPE 1, ONE-WAY,	4 EACH
614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT,	0.05 MILE
614, WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT,	0.05 MILE
622, PORTABLE BARRIER, UNANCHORED,	150 FT



MAINTENANCE OF TRAFFIC - TYPICAL SECTION

STA. 254+80.00 TO STA. 256+00.00

STRUCTURE NOTES
STA-241-14.676
RUDY FREIDMAN DITCH

SFN 7606206
DESIGN AGENCY

DESIGNER	CHECKER
JF	MP

REVIEWER TJP 06-01-25
PROJECT ID 117553
SUBSET 1 TOTAL 5
SHEET P.39 TOTAL 43

STA-241-14.58 (SRTS)

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/6/2026 TIME: 1:19:48 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117553 PRODUCT: OpenRoadsDesigner 24.00.00.205
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CALC:	JF	DATE:	5/5/2025
CHECKED:	TJP	DATE:	

ESTIMATED QUANTITIES (01/NFA/JACK)

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET
202	38500	18	FT	BRIDGE RAILING REMOVED				18	
202	23500	14	SY	WEARING COURSE REMOVED				14	
509	10000	1269	LB	EPOXY COATED REINFORCING STEEL				1269	
510	10000	80	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT				80	
511	31610	6	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE				6	
512	10050	13	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				13	
512	10100	18	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				18	
516	13600	9	SF	1" PREFORMED EXPANSION JOINT FILLER				9	
517	74500	18	FT	RAILING, CONCRETE				18	

STRUCTURE ESTIMATED QUANTITIES
STA-241-14.676
RUDY FREIDMAN DITCH

SFN 7606206

DESIGN AGENCY

DESIGNER	CHECKER
JF	MP

REVIEWER TJP 06-01-25

PROJECT ID 117553

SUBSET	TOTAL
2	5

SHEET	TOTAL
P.40	43

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 12/11/2025 TIME: 6:34:33 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117553 PRODUCT: OpenRoadsDesigner 24.00.00.205
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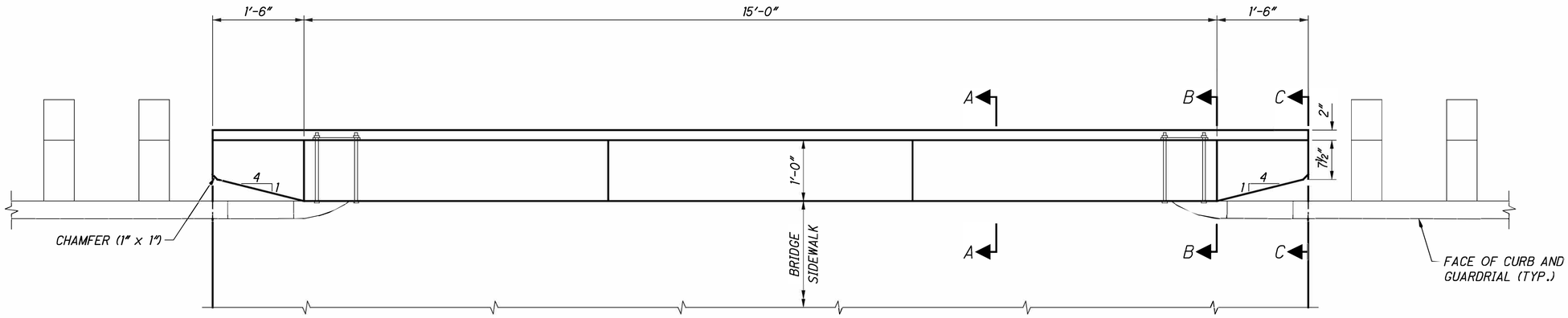
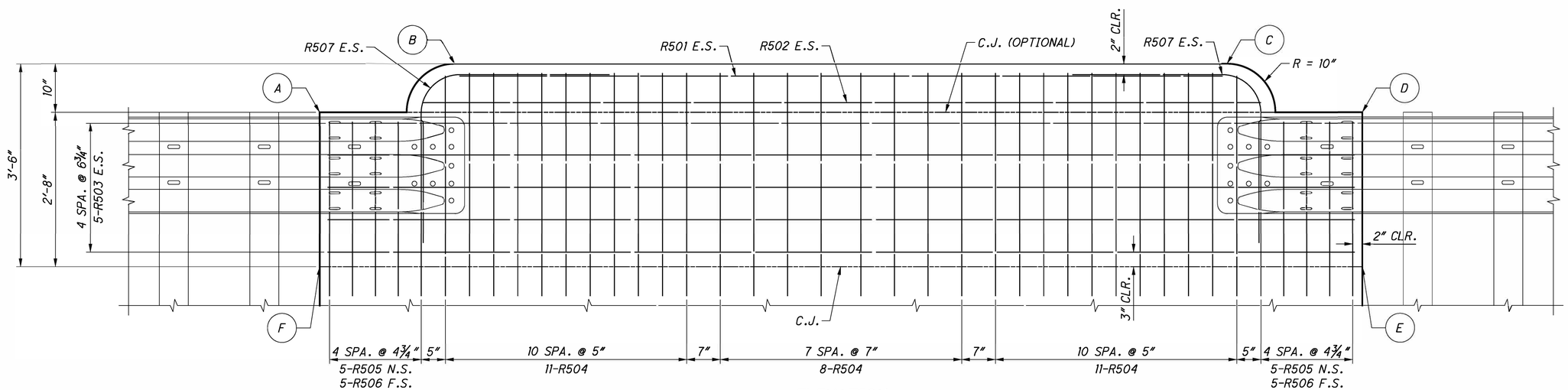


PLAN

BRIDGE SIDEWALK RAILING WITH APPROACH RAILING



ELEVATION

BRIDGE SIDEWALK RAILING WITH APPROACH RAILING

ELEVATIONS	
A	1086.41
B	1087.24
C	1087.21
D	1086.38
E	1083.74
F	1083.71

LEGEND:

CLR. = CLEARANCE
E.S. = EACH SIDE
F.S. = FAR SIDE
C.J. = CONSTRUCTION JOINT
N.S. = NEAR SIDE
R = RADIUS
SPA. = SPACES

RAILING DETAILS
STA-241-14.676
RUDY FREIDMAN DITCH

SFN	7606206
DESIGN AGENCY	
DESIGNER JF	CHECKER MP
REVIEWER TJP	06-01-25
PROJECT ID	117553
SUBSET 3	TOTAL 5
SHEET P.41	TOTAL 43

S_A-241-14.58 (SRTS)

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 12/11/2025 TIME: 6:34:38 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117553 PRODUCT: OpenRoadsDesigner 24.00.00.205
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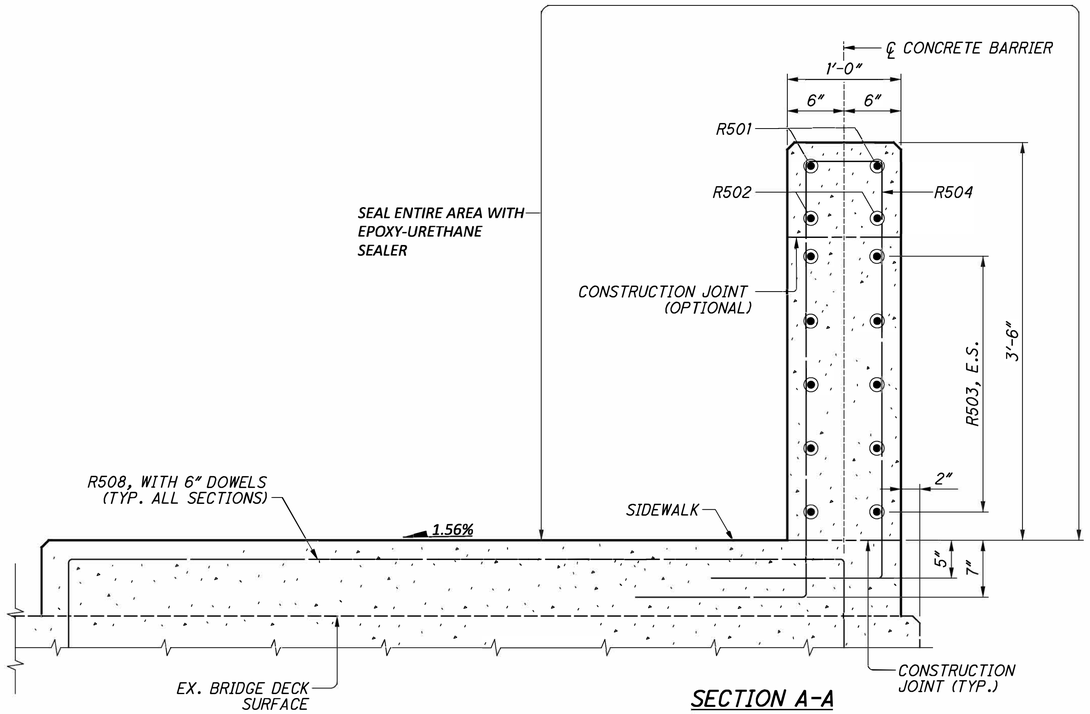
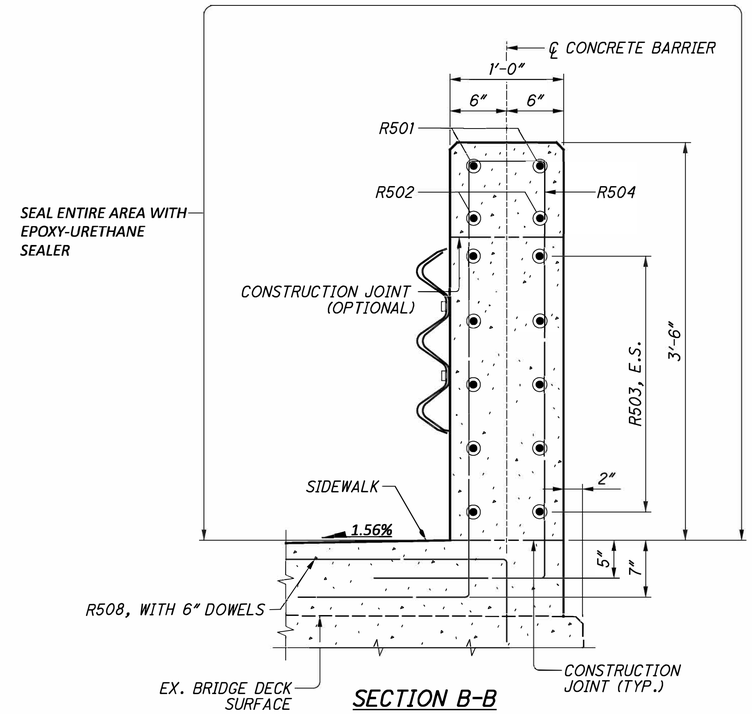


SECTION A-A



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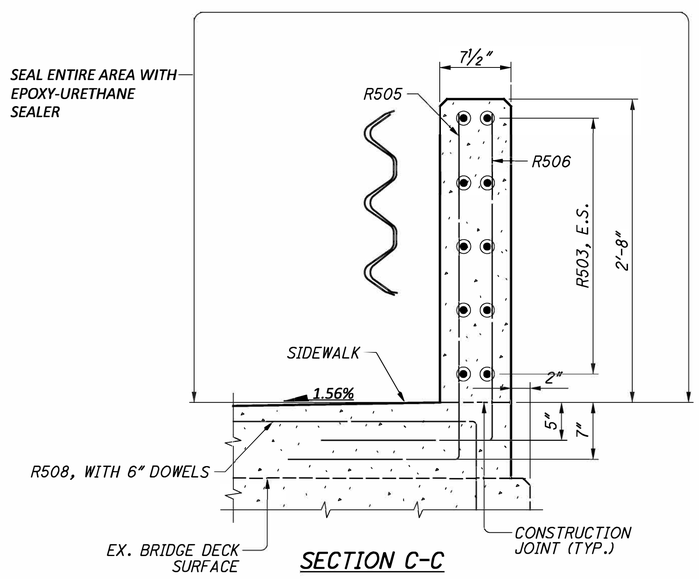

SECTION C-C

LEGEND:

CLR. = CLEARANCE
E.S. = EACH SIDE
F.S. = FAR SIDE
C.J. = CONSTRUCTION JOINT
N.S. = NEAR SIDE
R = RADIUS
SPA. = SPACES

RAILING DETAILS
STA-241-14.676
RUDY FREIDMAN DITCH

SFN	7606206
DESIGN AGENCY	
DESIGNER	JF
CHECKER	MP
REVIEWER	TJP 06-01-25
PROJECT ID	117553
SUBSET	4
TOTAL	5
SHEET	P.42
TOTAL	43

STA-241-14.58 (SRTS)

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 12/11/2025 TIME: 6:34:38 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117553 PRODUCT: OpenRoadsDesigner 24.00.00.205
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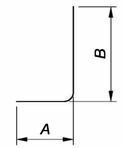
MARK	NUMBER				LENGTH	WEIGHT	TYPE	DIMENSIONS				
	REAR ABUT	FWD ABUT	SUPER	TOTAL		(LBS)		A	B	C	D	E
SUM-241-14.676												
R501			2	2	13'-11"	30	STR					
R502			2	2	14'-6"	31	STR					
R503			10	10	17'-8"	185	STR					
R504			30	30	14'-2"	444	30	0'-8"	3'-11"	3'-9"	1'-6"	1'-6"
R505			10	10	5'-4"	56	1	1'-6"	3'-1"			
R506			10	10	5'-2"	54	1	1'-6"	2'-11"			
R507			4	4	7'-6"	30	1	2'-11"	3'-5"			
*R508			40	40	10'-6"	439	2	1'-2"	6'-9"	1'-2"		
SUPERSTRUCTURE SUB-TOTAL						1269						
ABUTMENT SUB-TOTAL						0						
GRAND TOTAL						1269						

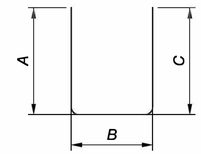
THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, THE FIRST TWO DIGITS WHERE FOUR ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, P601 IS A NO. 6 BAR. BAR DIMENSIONS SHOWN ARE OUT TOOUT UNLESS OTHERWISE INDICATED. R INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED. "STD." WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF THE BAR.

ALL REINFORNCING STEEL TO BE EPOXY COATED

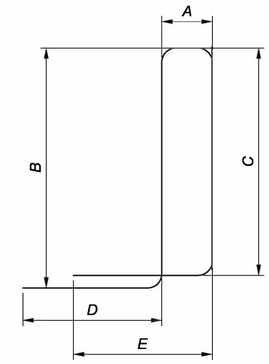
* BARS TO BE DOWELED 6"



TYPE-1



TYPE-2



TYPE-30

REINFORCING SCHEDULE
STA-241-14.676
RUDY FREIDMAN DITCH

SFN 7606206

DESIGN AGENCY

DESIGNER	CHECKER
JF	MP

REVIEWER TJP 06-01-25

PROJECT ID 117553

SUBSET	TOTAL
5	5

SHEET	TOTAL
P.43	43

STA-241-14.58 (SRTS)

MODEL: Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 12/11/2025 TIME: 6:34:38 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Joel.Fitzsimmons@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117553 PRODUCT: OpenRoadsDesigner 24.00.00.205
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