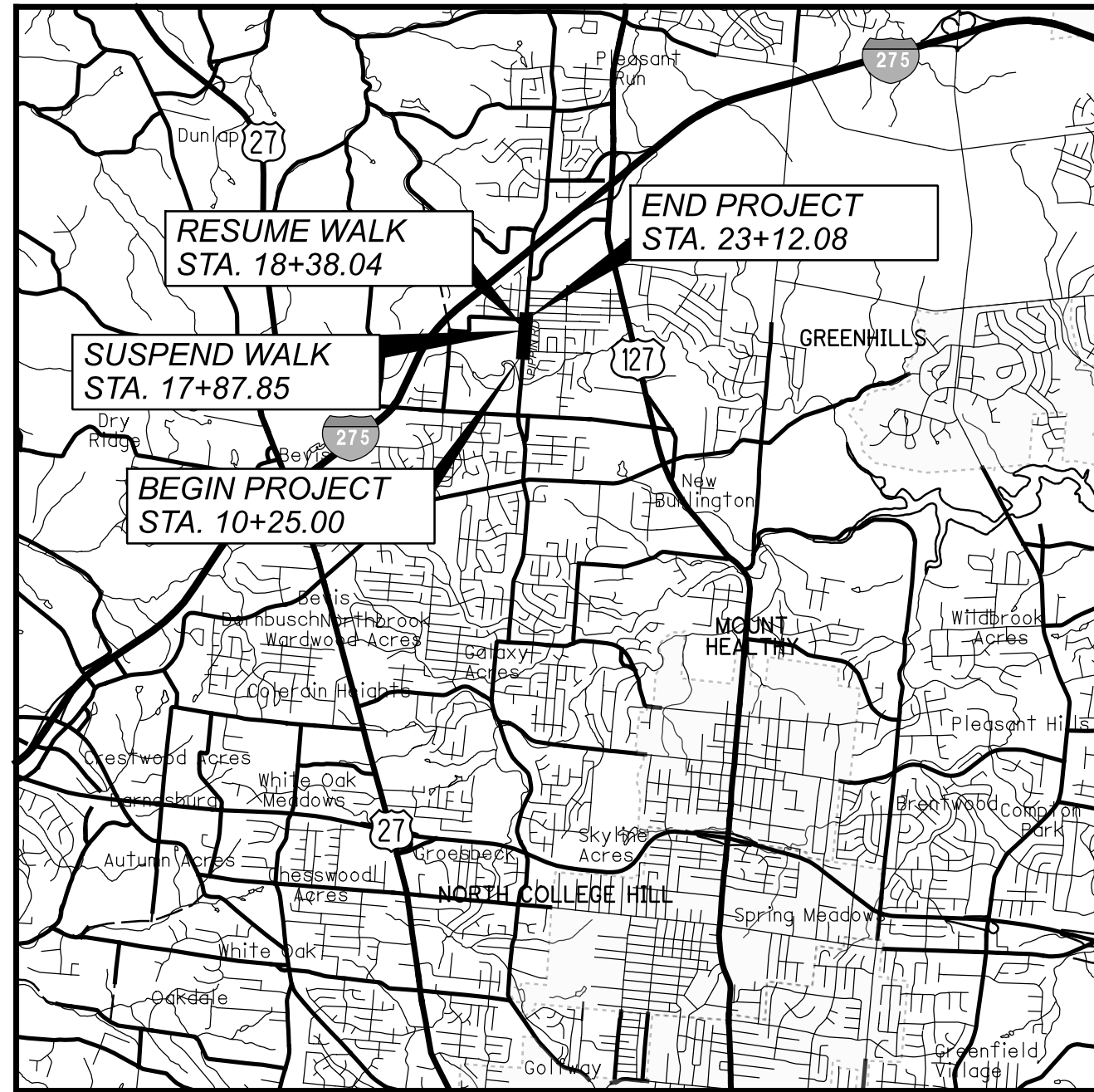


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

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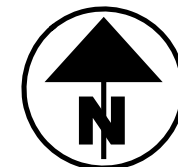
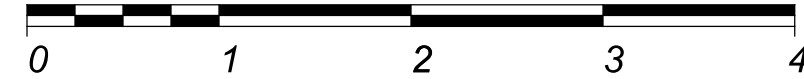
COLERAIN TOWNSHIP HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39° 16' 12" LONGITUDE: -84° 34' 26"

SCALE IN MILES



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

DESIGN DESIGNATION

CURRENT ADT (2020)	-----	13,077
DESIGN YEAR ADT (2040)	-----	15,692
DESIGN HOURLY VOLUME (2040)	-----	1,153
DIRECTIONAL DISTRIBUTION	-----	50%
TRUCKS (24 HOUR B&C)	-----	2%
DESIGN SPEED	-----	40 MPH

LEGAL SPEED ----- 35 MPH
DESIGN FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

NHS PROJECT ----- NO

DESIGN EXCEPTIONS ----- NONE

ADA DESIGN WAIVER

SEE SHEET 3 FOR ADA WAIVER INFORMATION

INDEX OF SHEETS:

TITLE SHEET	1
TYPICAL SECTIONS	2
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PLAN AND PROFILES	7 - 9
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DRIVEWAY SUBSUMMARY	23
SIGNING AND PAVEMENT MARKING PLAN	24
RIGHT OF WAY PLANS	25 - 32

FEDERAL PROJECT NUMBER

E201 (171)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

INSTALLING A NEW SIDEWALK ALONG THE WEST SIDE OF PIPPIN ROAD BETWEEN STRUBLE ROAD AND STOUT ROAD AND IMPROVING THE CROSSINGS AT THE INTERSECTIONS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.52 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A

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.

Tammy K. Campbell
Tammy K. Campbell, P.E.
District 08 Deputy Director

Jack Marchbanks
Jack Marchbanks, PhD
Director, Department of Transportation

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:



ENGINEER'S SEAL:



SIGNED: _____
DATE: _____

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	TC-41.20	10/18/13	832	7/15/22
BP-4.1	7/19/13	TC-52.10	10/18/13	800	7/21/23
BP-5.1	7/15/22	TC-52.20	1/15/21		
BP-7.1	1/20/23	TC-74.10	1/20/23		
CB-2-2A, 2B, 2C	1/20/23	DM-1.1	7/17/20		
		DM-4.3	1/15/16		
HW-2.2	7/20/18	DM-4.4	1/15/16		
MT-97.10	4/19/19				
MT-101.90	7/17/20	TC-42.20	10/18/13		
MT-105.10	1/17/20	TC-83.20	7/15/22		
MT-110.10	7/19/13				

1	9-29-23	REVISIONS
NO.	DATE	DESCRIPTION
REVISIONS		

TITLE SHEET

DESIGN AGENCY



DESIGNER

MDK

REVIEWER

JGW 07/10/23

PROJECT ID

113713

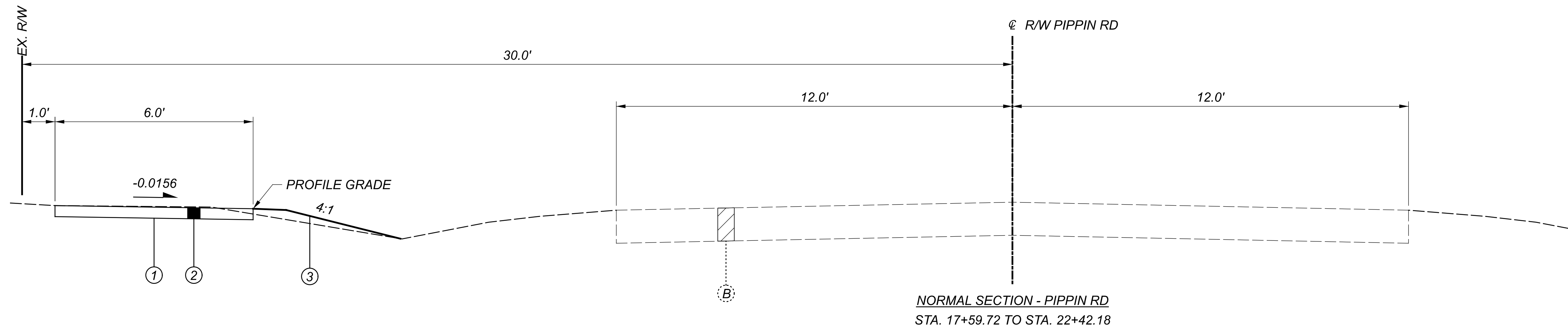
SHEET

TOTAL

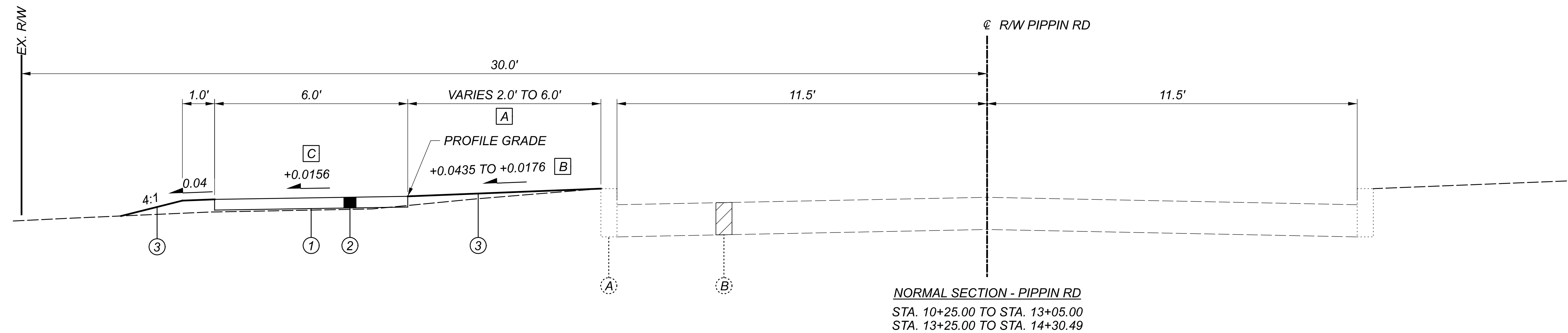
1 | 32

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MODEL: Untitled Sheet PAPER SIZE: 34x22 (in.) DATE: 9/29/2023 TIME: 4:14:01 PM USER: Ludwig G:\DEV\clients\ODOT\082003_HAM-CR90-3.89\113713\400-Engineering\Roadway\Sheets\113793_G_T01.dgn



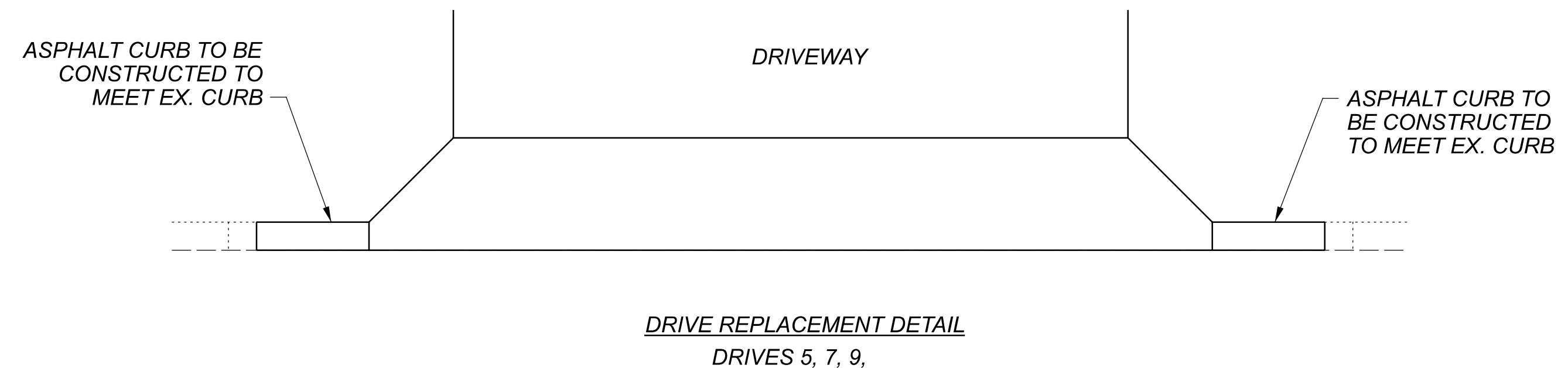
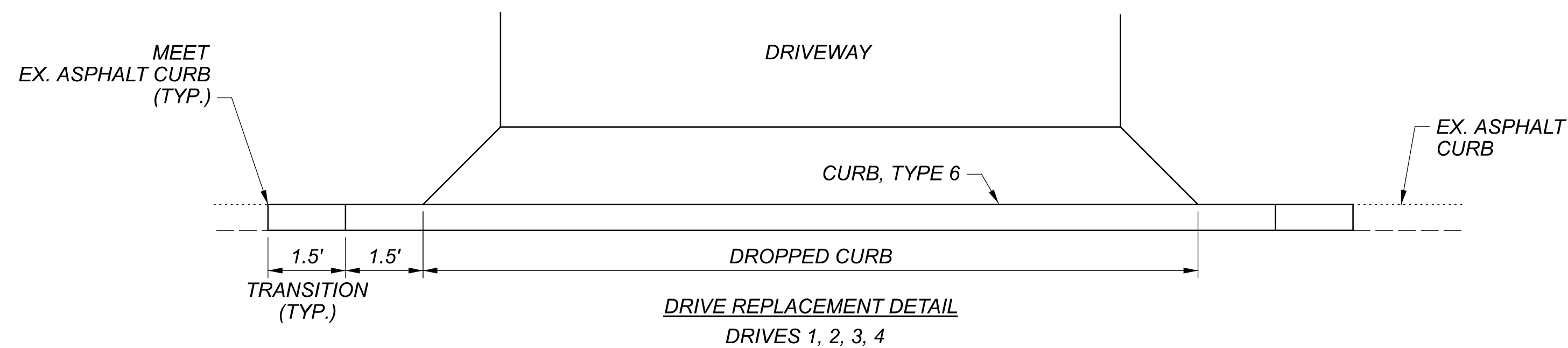
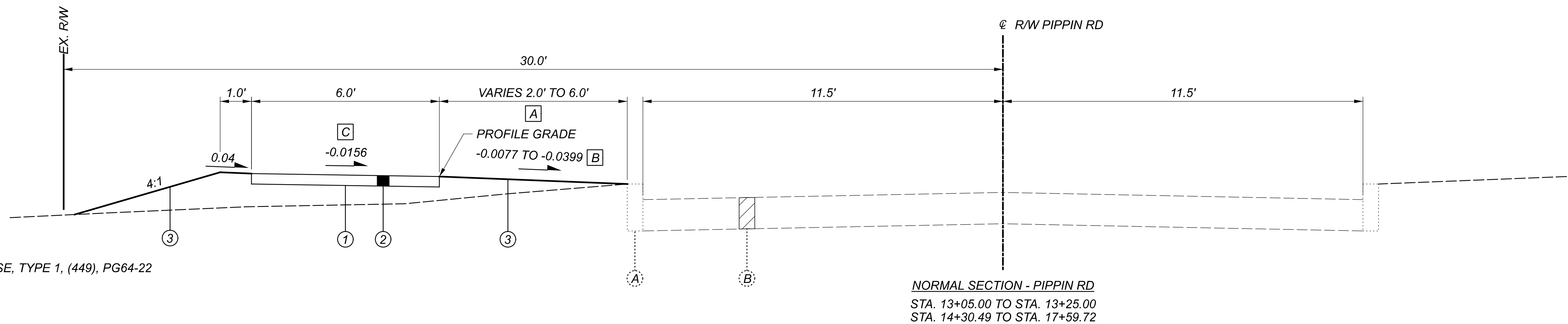
- [A] REFER TO PLAN SHEETS
- [B] REFER TO CROSS SECTIONS
- [C] CROSS SLOPE TRANSITION TO OCCUR OVER 15'.



- LEGEND**
- ① ITEM 204 - SUBGRADE COMPACTION
 - ② ITEM 608 - 4" CONCRETE WALK
 - ③ ITEM 659 - SEEDING AND MULCHING
 - Ⓐ EXISTING ASPHALT CURB
 - Ⓑ EXISTING ASPHALT PAVEMENT

ASPHALT DRIVE BUILDUP
 ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
 ITEM 304 - 6" AGGREGATE BASE
 ITEM 204 - SUBGRADE COMPACTION

CONCRETE DRIVE APRON AND CONCRETE DRIVE AT SIDEWALK
 ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT



TYPICAL SECTIONS

DESIGN AGENCY	
 WOOLPERT ARCHITECTURE ENGINEERING SCIENTISTS 1203 WALNUT STREET SECOND FLOOR CINCINNATI, OH 45202 T 513-272-8300	
DESIGNER	
MDK	
REVIEWER	
JGW 07/10/23	
PROJECT ID	
113713	
SHEET	TOTAL
2	32

UTILITIES

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

DUKE ENERGY – ELECTRIC (DISTRIBUTION)
2010 DANA AVE
CINCINNATI, OH 45207
513-514-8211 (AARON WRIGHT)
AARON.WRIGHT@DUKE-ENERGY.COM

DUKE ENERGY GAS
139 EAST 4TH ST., ROOM 460A
CINCINNATI, OH 45202
OH/KYHOUSEBILL@DUKE-ENERGY.COM
ANDREW.MCNICHOLS@DUKE-ENERGY.COM
ANDY.MCNICHOLS
DISTRIBUTION PROJECT SPECIALIST, GAS OPERATIONS
513-384-4731 (MOBILE)

ALTA FIBER
221 E. 4TH ST. BLDG. 121-900
CINCINNATI, OH 45201
513-566-8039 (NANCY MORRIS)
NANCY.MORRIS@ALTA FIBER.COM

ALTA FIBER – UNDERGROUND STRUCTURES
221 E 4TH STREET (BUILDING 121-900)
CINCINNATI, OH 45202
513-565-7187 (BRECK COWAN)
BRECK.COWAN@ALTA FIBER.COM

GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVENUE
CINCINNATI, OH 45232
513-352-3723 (DAN LOUIS)
DANIEL.LOUIS@GCWW.CINCINNATI-OH.GOV

EARL GREG BRATFISH JR.
SENIOR ENGINEERING TECHNICIAN
GREATER CINCINNATI WATER WORKS
(513)-591-6533
EARL.BRATFISH@GCWW.CINCINNATI-OH.GOV

CINCINNATI METROPOLITAN SEWER DISTRICT
1600 GEST STREET
CINCINNATI, OH 45204
513-557-7188 (ROB FRANKLIN)
MSDUTILITYREVIEW@CINCINNATI-OH.GOV

SOUTHWESTERN OHIO WATER COMPANY
600 SHEPHERD AVE., SUITE 1
CINCINNATI, OHIO 45215
513-489-4844 (MICHAEL FLAVIN)
MIKE.FLAVIN@FUSE.NET

HAMILTON CO ENGINEER'S OFFICE (STORM SEWER)
223 W. GALBRAITH
CINCINNATI, OH
TODD GADBURY, PE
TODD.GADBURY@HAMILTON-CO.ORG
(513) 946-8445

BP PIPELINE
930 TENNESSEE AVE
CINCINNATI, OH 45229
513-825-5250 (KIM MILLER)
KIMBLE.MILLER@BP.COM

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 8 P.M. AND 7 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.

ADA WAIVER

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA DESIGN WAIVER

ADA FEATURE	APPROVAL DATE	SHEET NUMBERS
RMP#####	07/13/2023	10, 23
RMP#####	07/13/2023	10, 23

SURVEYING PARAMETERS

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

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011) EPOCH: 2010.00
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONIC CONFORMAL
COORDINATE SYSTEM: OHIO SOUTH 3402
COMBINED SCALE FACTOR: 0.999903268 (GROUND TO GRID)
PROJECT SCALE FACTOR: 1.000096741 (GRID TO GROUND)

UNITS ARE IN U.S. SURVEY FEET.

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.

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.

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 386 CU. YD.
- 659, SEEDING AND MULCHING, CLASS 1 3,477 SQ. YD.
- 659, REPAIR SEEDING AND MULCHING 174 SQ. YD
- 659, COMMERCIAL FERTILIZER 0.49 TON
- 659, LIME 0.72 ACRES
- 659, WATER 19 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION 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.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE COUNTY, REPRESENTATIVES OF THE COUNTY AND THE CONTRACTOR, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE COUNTY.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE COUNTY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

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

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED.

THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVAL FOR RRFBs (IA-21).

GENERAL REQUIREMENTS -

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS -

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONTINUED)

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS
 - A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.
 - B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
 - C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.
 - D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.
 - E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.
 - F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
 - G. A SMALL LED CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.
 - H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL BE NO SMALLER THAN 2" IN DIAMETER AND CONTAIN A MINIMUM ILLUMINANCE OF 100 LUX MEASURED AT 30 CM.
2. SIGNS
 - A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
 - B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
 - C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
 - D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.
3. CONTROL CIRCUIT
 - A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.

CONTROL POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
100	IRON PIN	470224.662	1381094.291	882.32
101	IRON PIN	470241.619	1381373.249	875.11
102	IRON PIN	470229.214	1381586.851	873.83
103	IRON PIN	469846.497	1381556.126	889.26
104	IRON PIN	469608.149	1381550.129	888.15
105	IRON PIN	469186.611	1381554.244	882.58
106	IRON PIN	468928.472	1381532.809	878.22

NO.	DATE	DESCRIPTION
1	9-29-23	REVISIONS
REVISIONS		



DESIGNER	MDK
REVIEWER	JGW 07/10/23
PROJECT ID	113713
SHEET	TOTAL
3	32

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONTINUED)

- B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.
 - C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.
4. BATTERY AND SOLAR PANELS
- A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.
 - B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
 - C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
 - D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.
5. WIRELESS RADIO
- A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.
 - B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
 - C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.
6. PUSHBUTTON
- A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
 - B. PUSHBUTTON SHALL BE ADA COMPLIANT.
7. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST.

CONSTRUCTION -

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY -

WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT -

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT -

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".

GENERAL NOTES

DESIGN AGENCY



DESIGNER

MDK

REVIEWER

JGW 07/10/23

PROJECT ID

113713

SHEET TOTAL

3A | 32

ITEM 614 - MAINTAINING TRAFFIC

A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON ALL ROADS AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. EXCEPT AS PERMITTED BY SHORT TERM LANE CLOSURE BY FLAGGER BETWEEN THE HOURS OF 9AM -2PM.

CONSTRUCTION OF THE WALK AND INTERSECTIONS WILL REQUIRE THE TEMPORARY CLOSURE OF THE LANES AND/OR SHOULDER OF PIPPIN ROAD AND OF INTERSECTION ROADS, STOUT ROAD AND MERRIWAY LANE. THE CONTRACTOR SHALL ADHERE TO SCD MT-97.10 FOR LANE AND/OR SHOULDER RESTRICTIONS. REFER TO SCD MT-97.10 FOR PLACEMENT OF WORK ZONE SIGNS.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

SEQUENCE OF CONSTRUCTION

ALL WORK SHALL BE IN ACCORDANCE WITH SCD MT-97.10. ALL CONSTRUCTION SHALL BE PERFORMED IN ONE PHASE. BEGIN CONSTRUCTION AT STOUT ROAD AND CONTINUE FROM NORTH TO SOUTH. LANES WILL BE CLOSED TEMPORARILY TO ALLOW FOR CONSTRUCTION OF CURB RAMPS AND CROSSWALK LINES FOR THE INTERSECTION OF STOUT ROAD AND PIPPIN ROAD AND FOR THE INTERSECTION OF MERRIWAY LANE AND PIPPIN ROAD. LANE AND SHOULDER CLOSURES NECESSARY TO CONSTRUCT WALK AND DRIVES WHERE TRAFFIC CANNOT BYPASS CONSTRUCTION.

PERMITTED LANE CLOSURE TIMES

CONTRACTOR MAY CLOSE SINGLE LANE OF TRAFFIC ON PIPPIN ROAD, IN ACCORDANCE WITH SCD MT-97.10, DURING WORK HOURS. DURING NON-WORK HOURS, ALL ROADS SHALL BE OPENED TO 2 LANES OF TRAFFIC AND ALL EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM CLEAR ZONE.

LANE CLOSURES TO BE LIMITED TO THE HOURS OF 9AM - 2PM. SHORT TERM LANE CLOSURES SHALL ONLY BE IMPLEMENTED WHEN WORK IS BEING CONTINUOUSLY PERFORMED THAT REQUIRES WORKERS AND EQUIPMENT TO BE IN THE LANE. THE CLOSURE SHALL BE REMOVED AS SOON AS POSSIBLE AFTER WORK HAS STOPPED.

CRITICAL AREA TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
PIPPEN	6AM TO 9AM	1 MINUTE	\$75
PIPPEN	2PM TO 6PM	1 MINUTE	\$75

NO WORK WILL BE PERMITTED OVERNIGHT BETWEEN THE HOURS OF 8PM AND 6 AM.

OVERNIGHT TRENCH CLOSING

THE INTERSECTION WORK SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED INTERSECTION SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

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 EVENTS:

CHRISTMAS FOURTH OF JULY
NEW YEAR'S LABOR DAY
MEMORIAL DAY THANKSGIVING
TOTAL SOLAR ECLIPSE
GENERAL/REGULAR ELECTION DAY

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

DAY OF HOLIDAY TIME ALL LANES
OR EVENT MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY 12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY 12:00N MONDAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY 12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY 12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING ONLY)
 6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY 12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY 12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

ITEM 614, 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.

ITEM 614, NOTIFICATION OF TRAFFIC RESTRICTIONS (CONTINUED)

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & PRIOR	> 2 WEEKS	21 CALENDAR DAYS 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

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

DUST CONTROL

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

ITEM 616, WATER 1 M. GAL.

DRUM REQUIREMENTS

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

ITEM 625 - PULL BOX MISC.: ADJUST TO GRADE

THIS ITEM SHALL CONSIST OF ALL WORK, MATERIAL, AND LABOR FOR ADJUSTING THE PULL BOX AT STA. 20+14.11 TO MATCH THE PROPOSED SIDEWALK GRADE.

ITEM 638 - SPECIAL-VALVE BOX ADJUSTED TO GRADE

THIS ITEM SHALL CONSIST OF ALL WORK, MATERIAL, AND LABOR FOR ADJUSTING THE VALVE BOX AT STA. 11+22.83 TO MATCH THE PROPOSED GRADING.

ITEM 690 - SPECIAL-MAILBOX REMOVED AND RESET

THIS ITEM SHALL CONSIST OF ALL WORK, MATERIAL, AND LABOR FOR REMOVING AND RESETTING THE MAILBOXES AT STA. 10+47.60, STA. 11+63.55, STA. 12+60.90, STA. 13+44.68, STA. 14+22.85, AND STA. 15+18.90.

DESIGN AGENCY



DESIGNER
MDK

REVIEWER
JGW 07/10/23

PROJECT ID
113713


SHEET TOTAL
4 | 32

NO.	DATE	DESCRIPTION
1	9-29-23	REVISIONS

SHEET NO.	REF. NO.	STATION		SIDE	202	202	202	202		204		253		602		608	608		611	611		625	638	638		690
		WALK REMOVED	CATCH BASIN REMOVED		HEADWALL REMOVED	CURB REMOVED		SUBGRADE COMPACTION		PAVEMENT REPAIR		CONCRETE MASONRY		4" CONCRETE WALK	CURB RAMP		15" CONDUIT, TYPE B	CATCH BASIN, NO. 2-2B		PULL BOX, MISC.: ADJUST TO GRADE	VALVE BOX	SPECIAL - VALVE BOX ADJUSTED TO GRADE		SPECIAL - MAILBOX REMOVED AND RESET		
		FROM	TO		SF	EA	EA	FT		SY		SY		CY		SF	SF		FT	EA		EA	EA	EA		EA
7	P-1	10+25.00	15+25.00	LT						271						2435	69									6
7	P-2	11+20.52	11+39.98	RT	29					4						36	51									
8	P-3	15+25.00	17+87.85	LT	99					151						1354	99									
8	P-4	18+38.04	20+00.00	LT	626					93						833	129									
9	P-5	20+00.00	22+42.18	LT	977					145						1299	270					1				
9	P-6	22+86.18	23+12.06	LT	92					10						88	38									
7	RD-1	11+24.29	11+35.29	LT																						
7	RD-2	11+25.33	11+34.33	RT				12																		
8	RD-3	17+82.36	17+91.61	LT																						
8	RD-4	18+34.87	18+45.12	LT				4																		
9	RD-5	22+13.50	22+24.50	LT																						
9	RD-6	22+40.17	22+50.56	LT																						
9	RD-7	22+83.31	22+90.33	LT																						
8	D-1	17+82.75		LT										0.21												
9	D-1	22+04.74		RT															4		1					
9	D-3	22+12.54		LT															8		1					
TOTALS CARRIED TO GENERAL SUMMARY					1823	2	1	20		674		22		0.21		6045	656		12	2		1	1	1		6

ROADWAY SUBSUMMARY

NO.	DATE	REVISIONS
1	9-29-23	REVISIONS
		DESCRIPTION

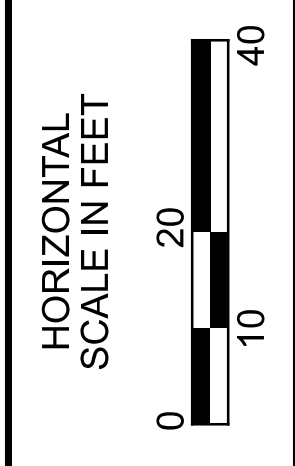
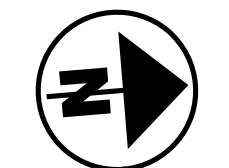
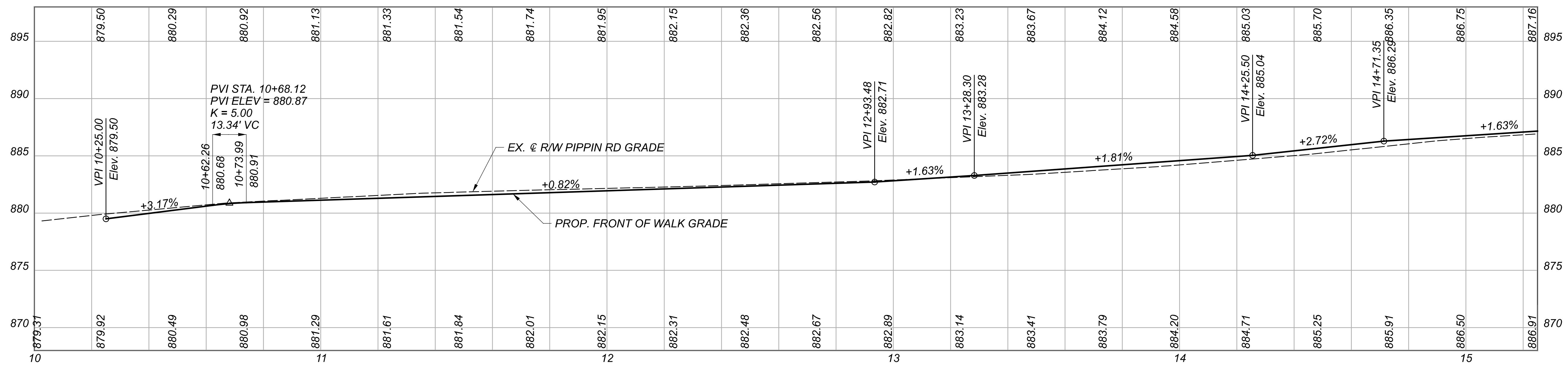
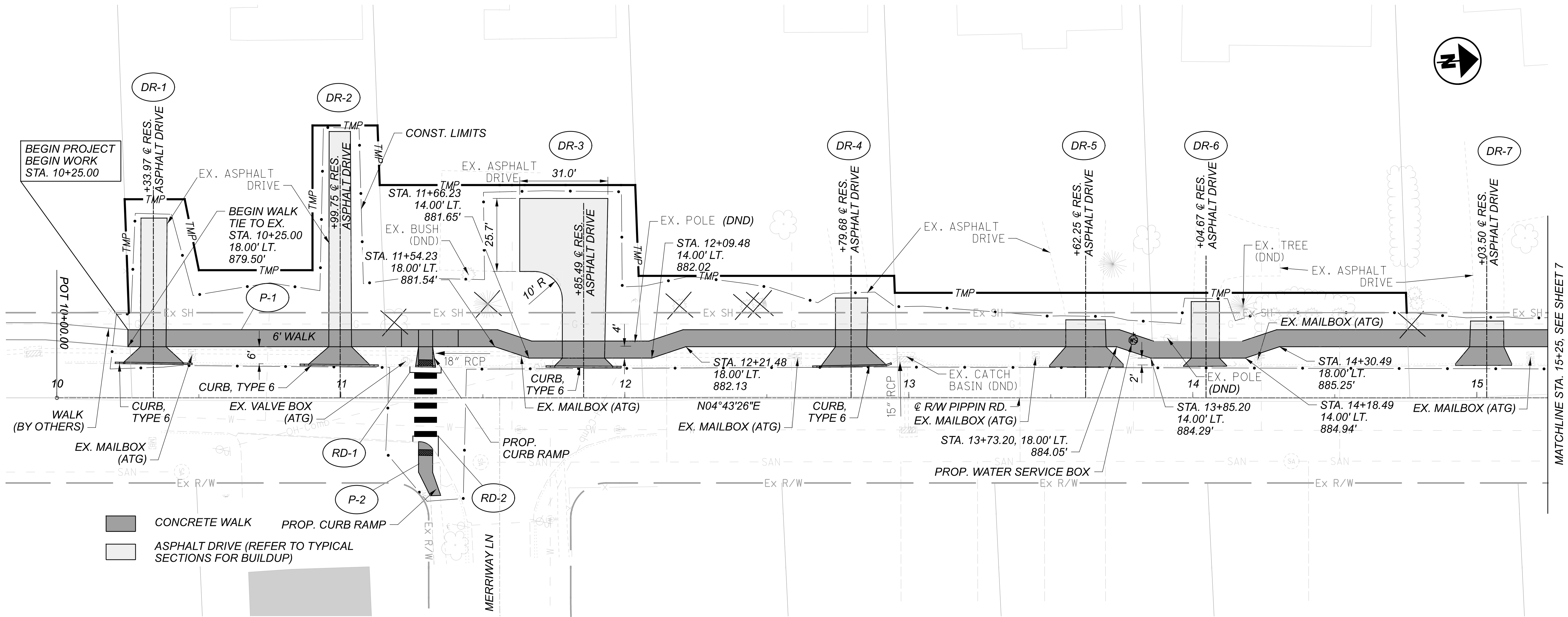
DESIGN AGENCY

WOOLPERT
 ARCHITECTURE ENGINEERING SCIENTISTS
 1203 WALNUT STREET
 SECOND FLOOR
 CINCINNATI, OH 45202
 T 513-272-8300

DESIGNER
 MDK

REVIEWER
 JGW 07/10/23

PROJECT ID
 113713

SHEET TOTAL
 6 32

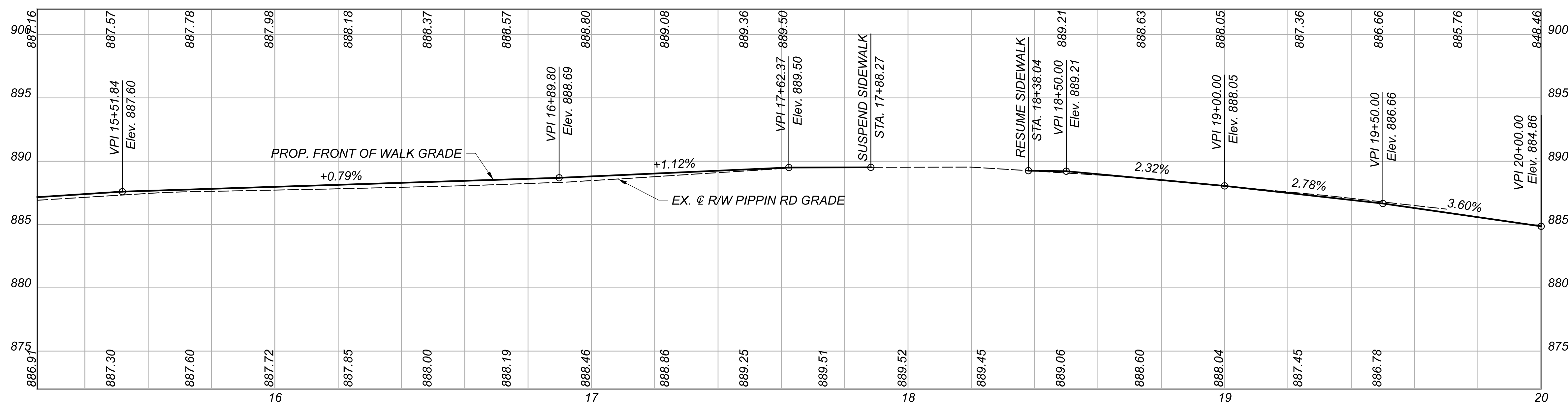
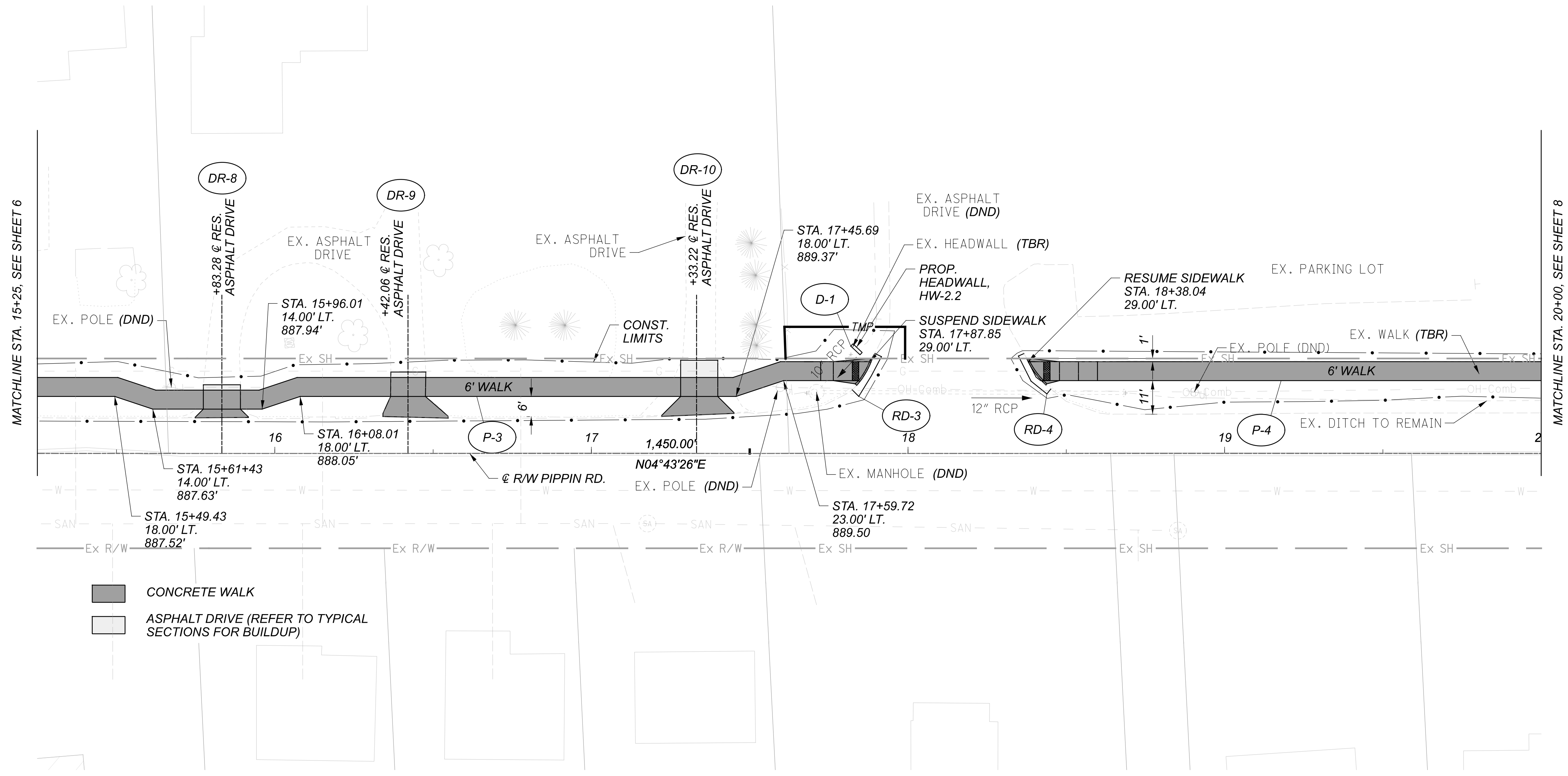


PLAN AND PROFILE
 STA. 10+00 TO STA. 15+25

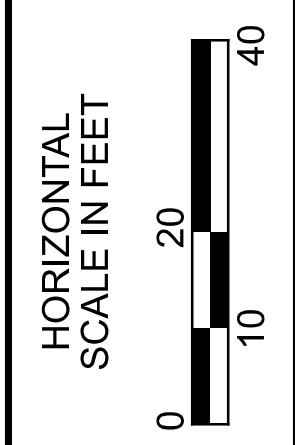
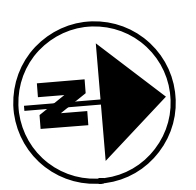
DESIGN AGENCY



DESIGNER	MDK
REVIEWER	JGW 07/10/23
PROJECT ID	113713
SHEET	TOTAL
7	32



CONCRETE WALK
 ASPHALT DRIVE (REFER TO TYPICAL SECTIONS FOR BUILDUP)



PLAN AND PROFILE
 STA. 15+25 TO STA. 20+00

DESIGN AGENCY

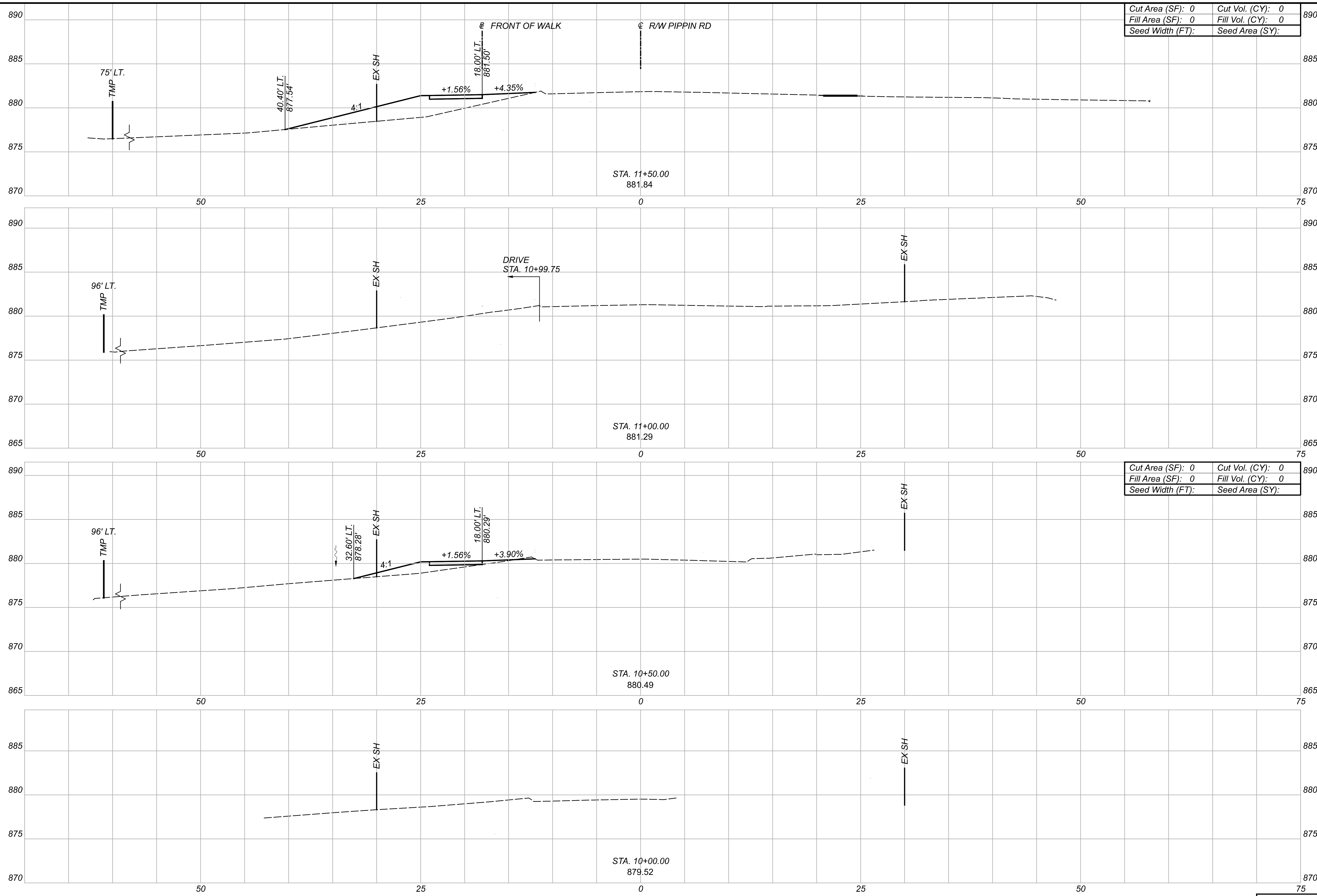


DESIGNER
MDK

REVIEWER
JGW 07/10/23

PROJECT ID
113713

SHEET TOTAL
8 32



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CROSS SECTIONS
STA 10+50.00 TO STA 11+50.00

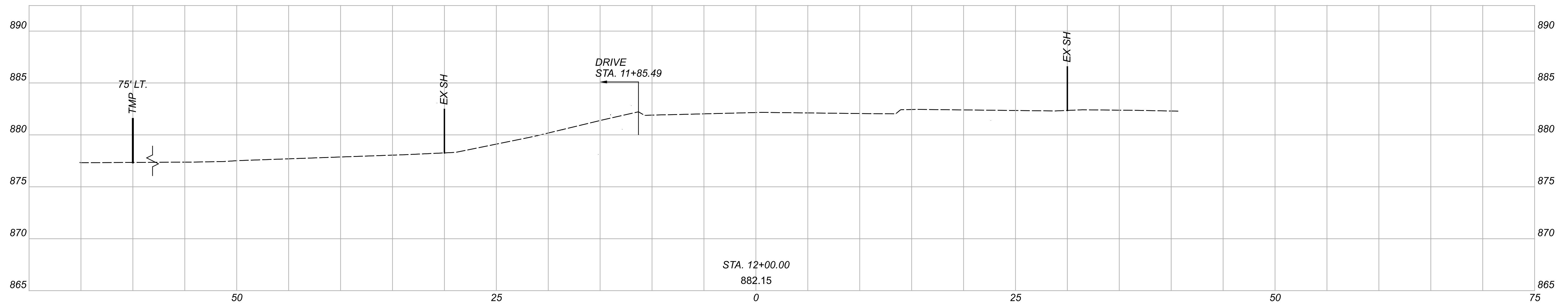
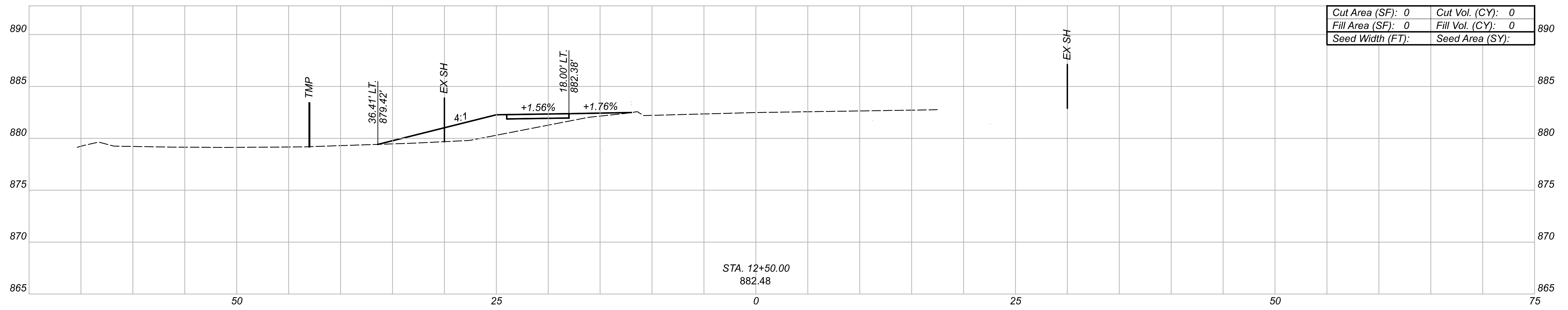
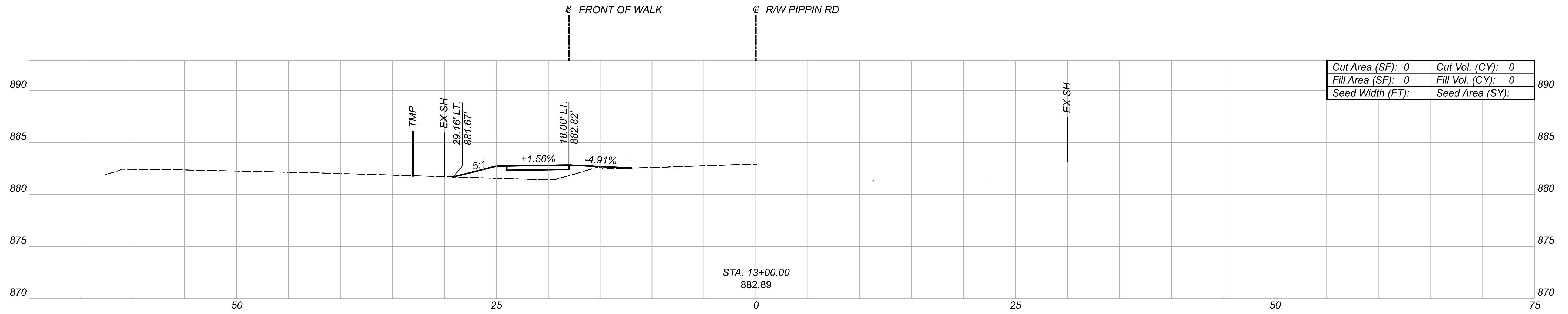
DESIGN AGENCY
WOOLPERT
 ARCHITECTURE ENGINEERING & CONSULTANTS
 1203 WALNUT STREET
 SECOND FLOOR
 CINCINNATI, OH 45202
 T 513-272-8300

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PROJECT ID
113713

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	10	32
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CROSS SECTIONS
 STA 12+00.00 TO STA 13+00.00

DESIGN AGENCY



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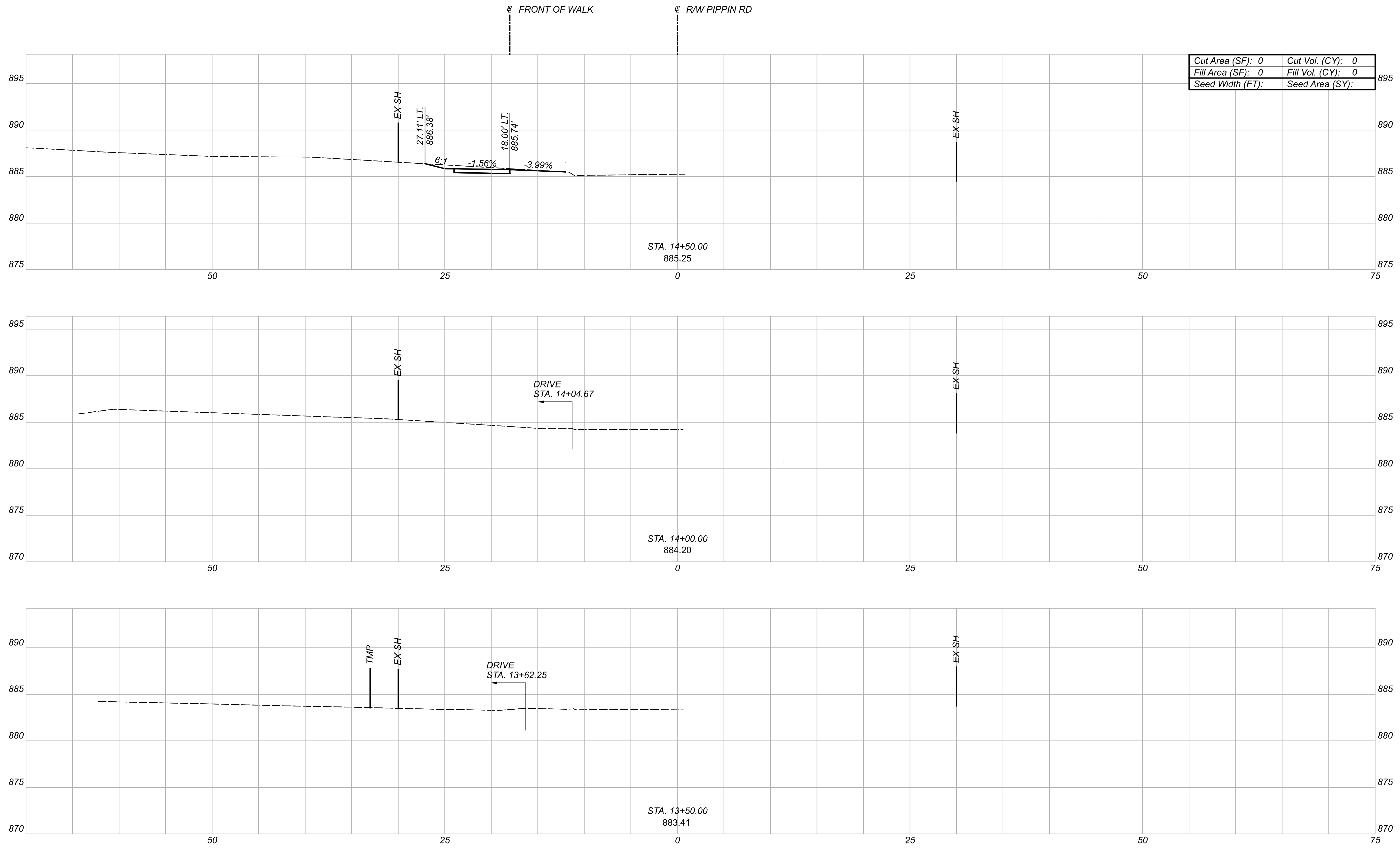
JGW 07/10/23

PROJECT ID

113713


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SHEET	TOTAL
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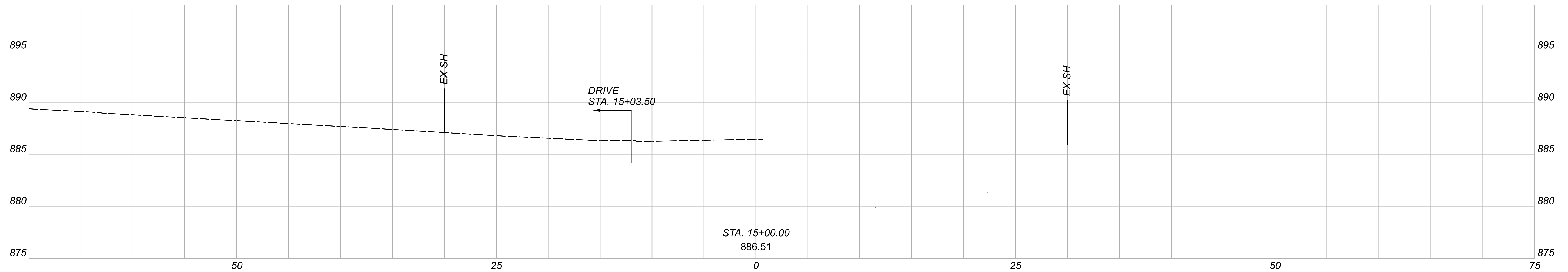
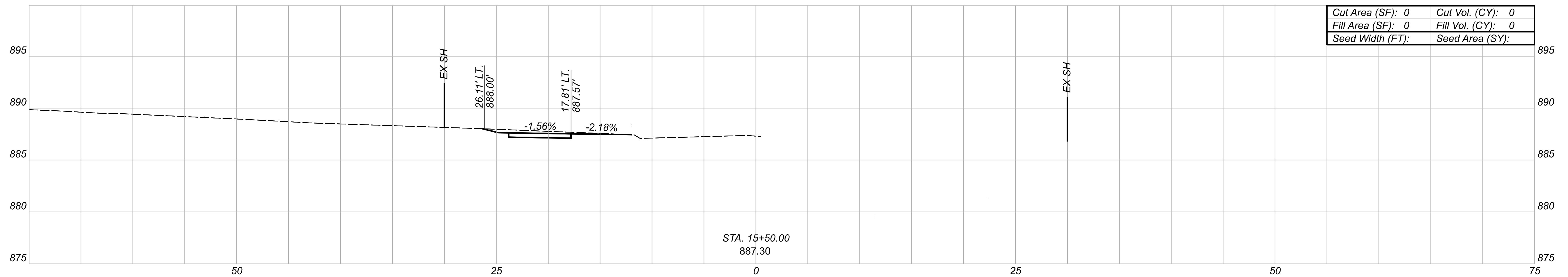
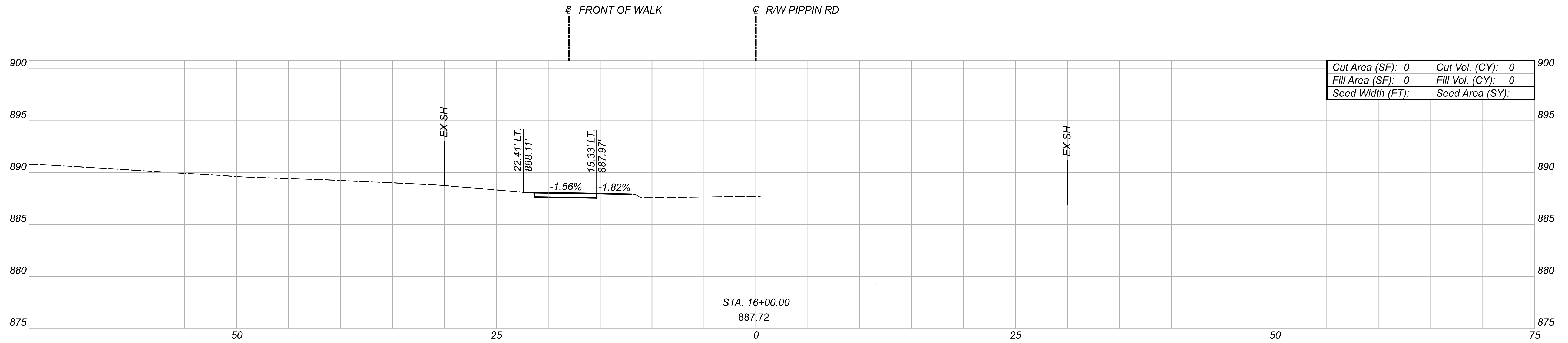
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Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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CROSS SECTIONS
 STA 15+00.00 TO STA 16+00.00

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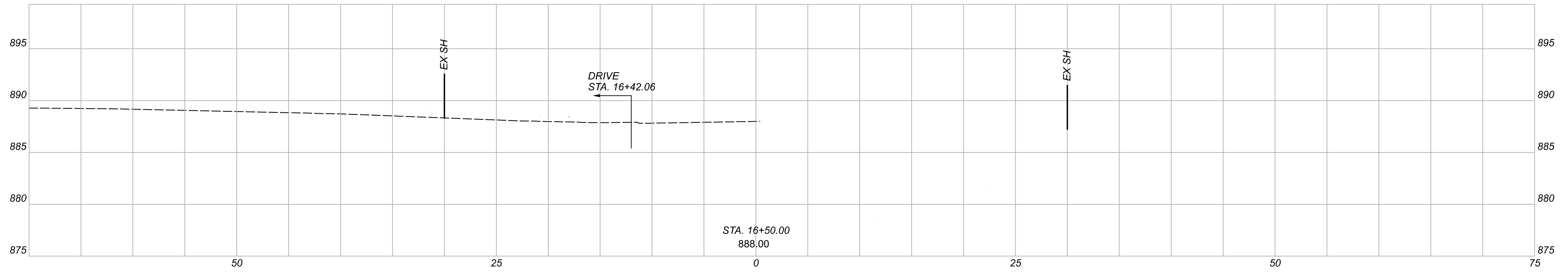
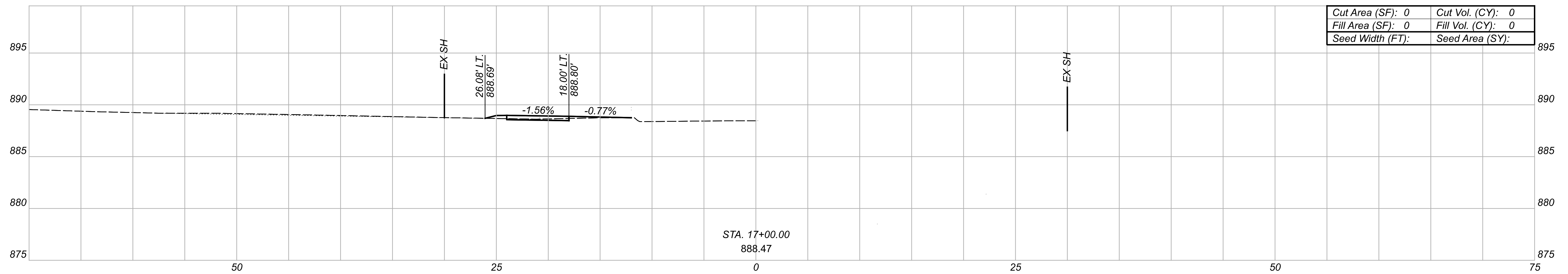
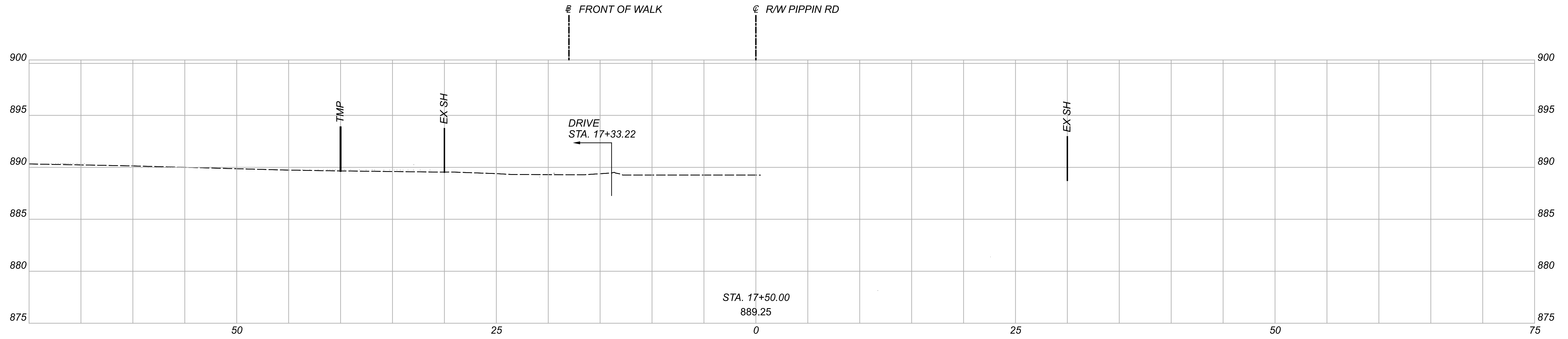
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SHEET	TOTAL
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CROSS SECTIONS
 STA 16+50.00 TO STA 17+50.00

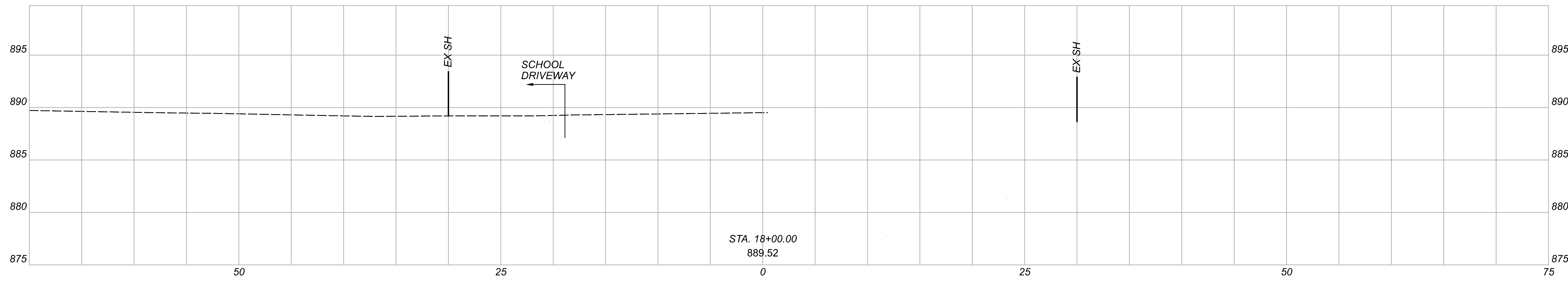
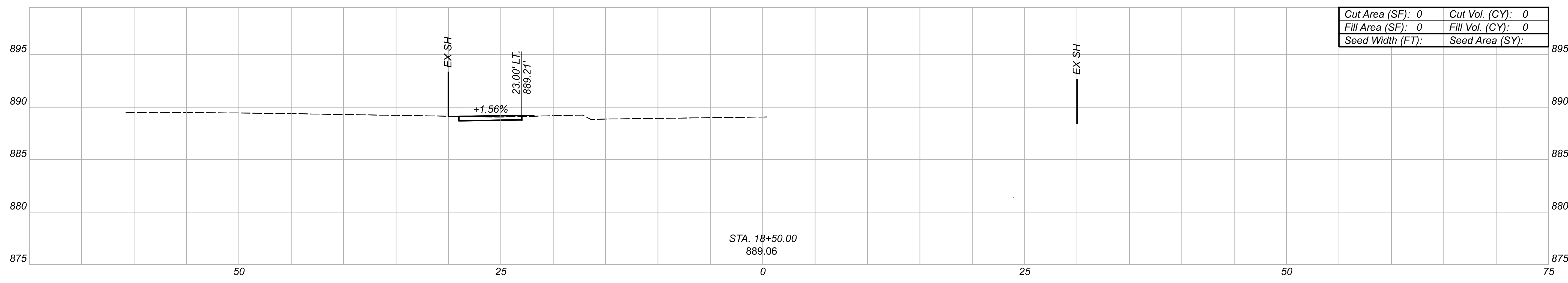
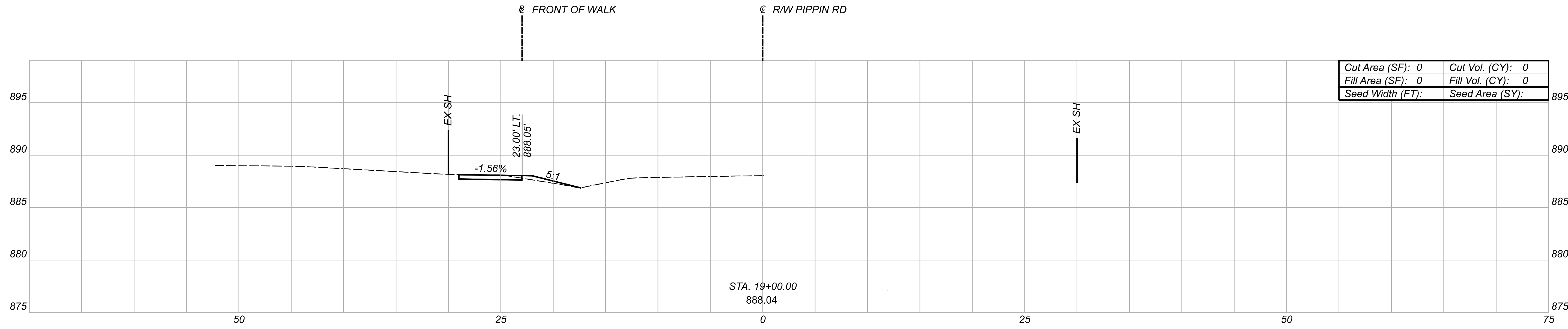
DESIGN AGENCY
WOOLPERT
 ARCHITECTURE ENGINEERING & CONSULTANTS
 1203 WALNUT STREET
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 T 513-272-8300

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PROJECT ID
 113713

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
14	32



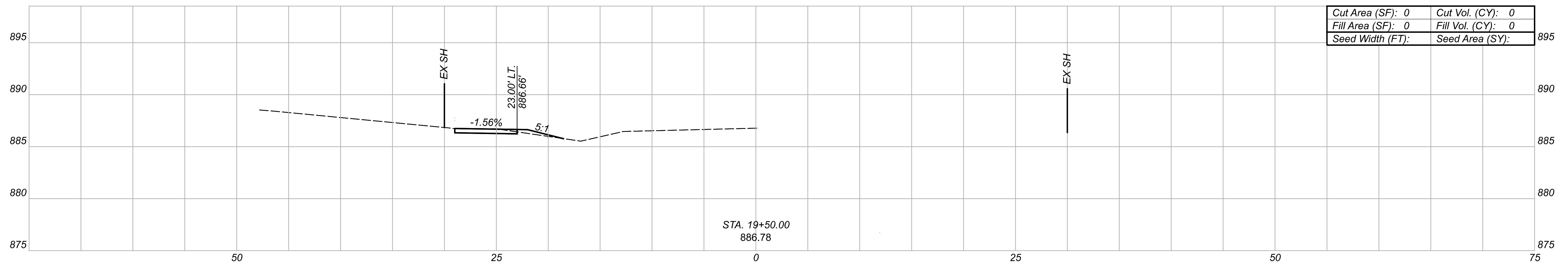
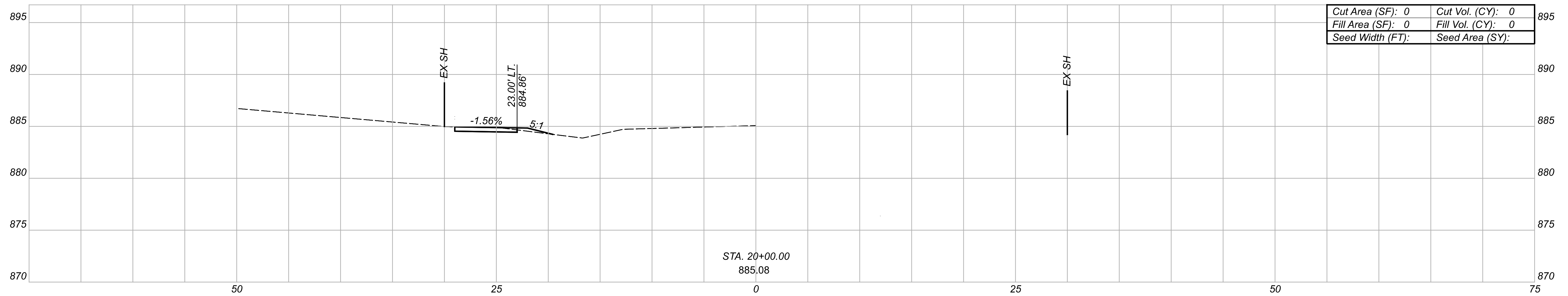
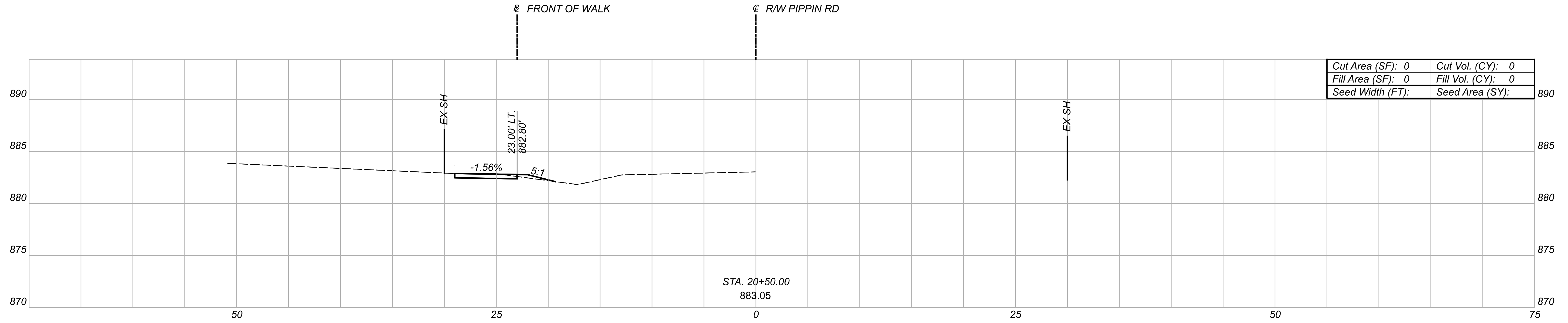
CROSS SECTIONS
 STA 18+00.00 TO STA 19+00.00

DESIGN AGENCY
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JGW 07/10/23

PROJECT ID
113713

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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CROSS SECTIONS
 STA 19+50.00 TO STA 20+50.00

DESIGN AGENCY



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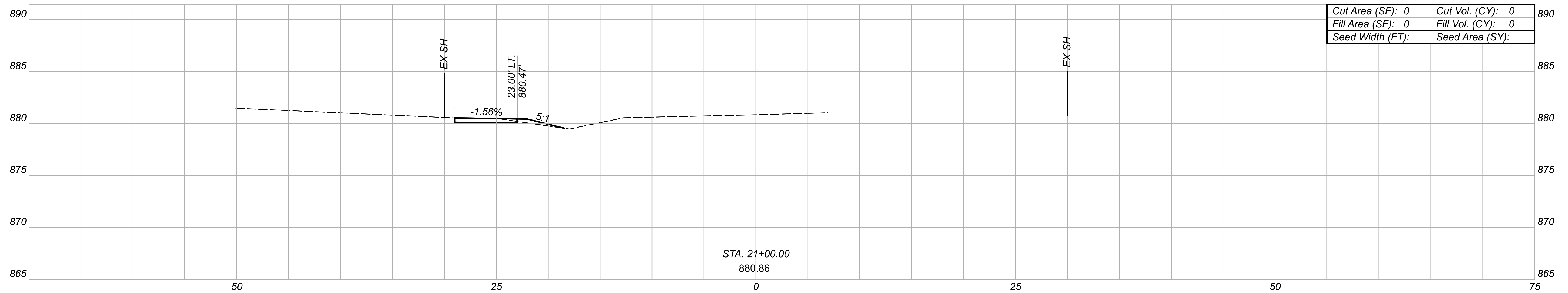
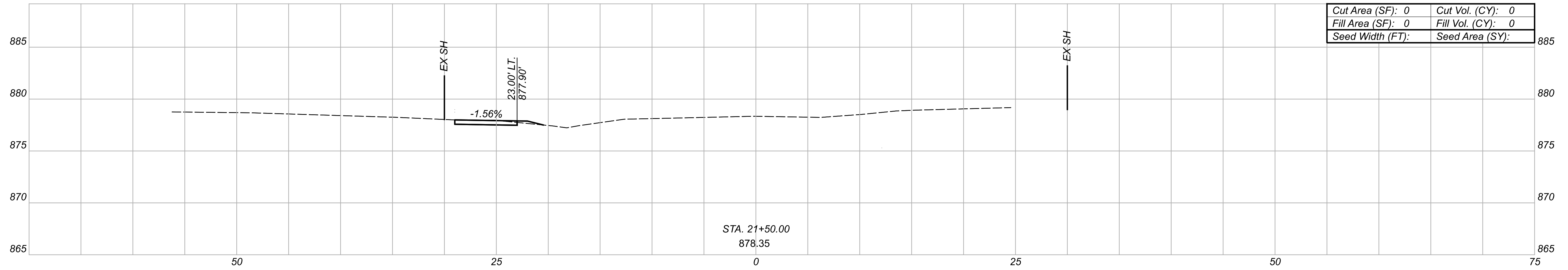
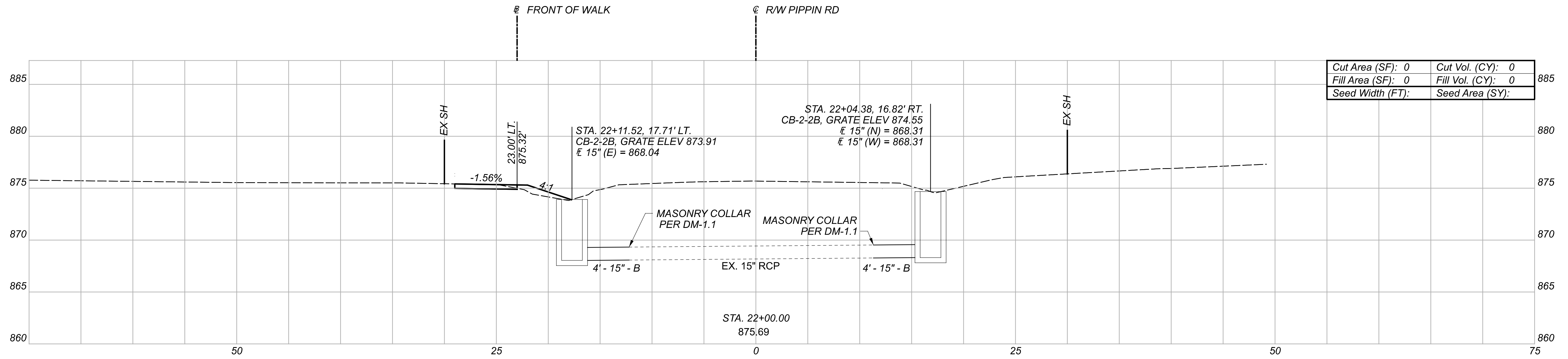
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PROJECT ID

113713

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
16	32



CROSS SECTIONS
 STA 21+00.00 TO STA 22+00.00

DESIGN AGENCY



DESIGNER

MDK

REVIEWER

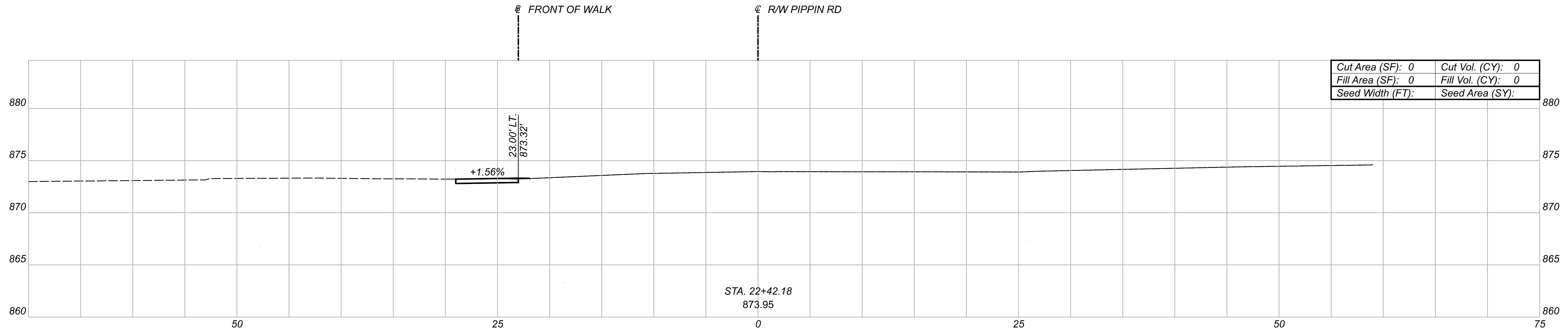
JGW 07/10/23

PROJECT ID

113713

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CROSS SECTIONS
 STA 22+42.18

DESIGN AGENCY

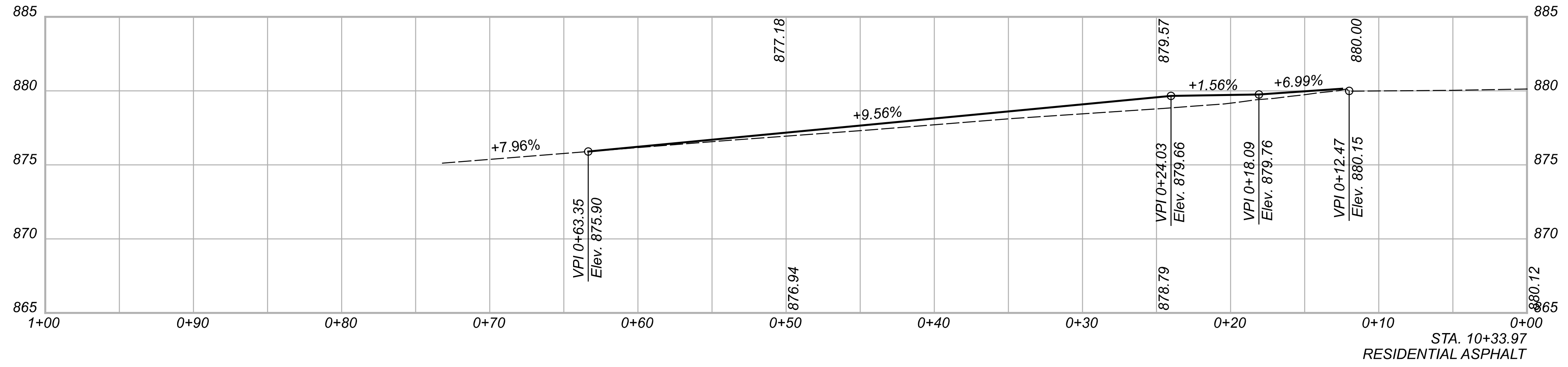
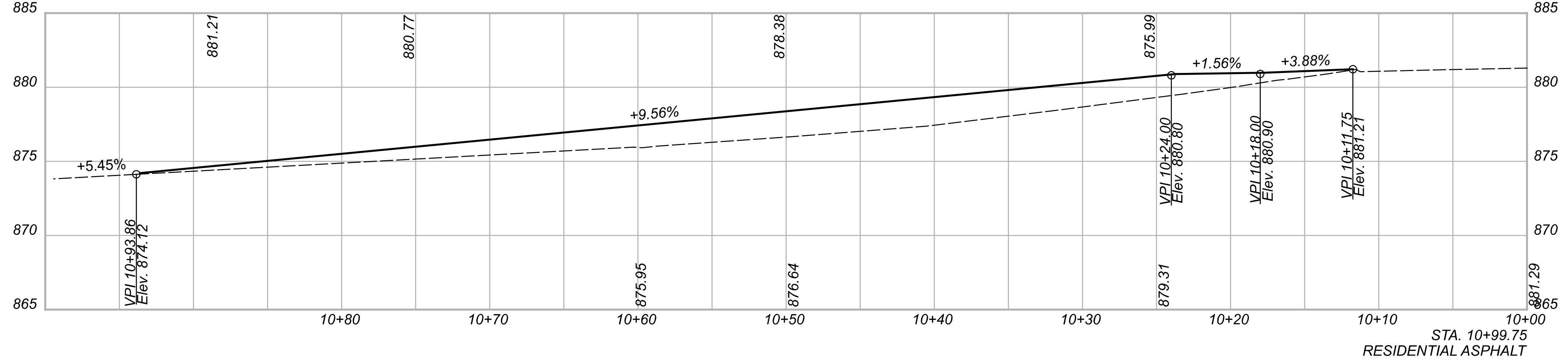
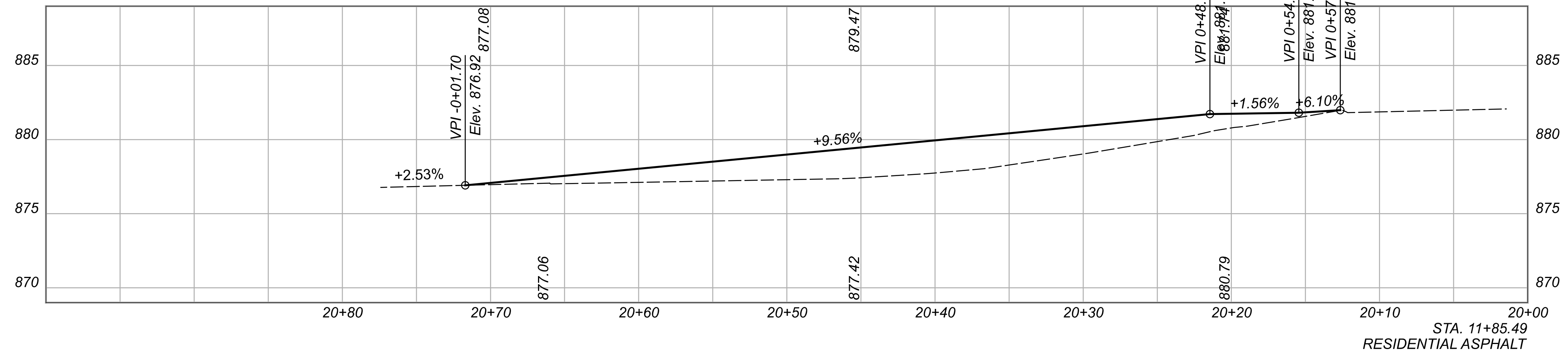
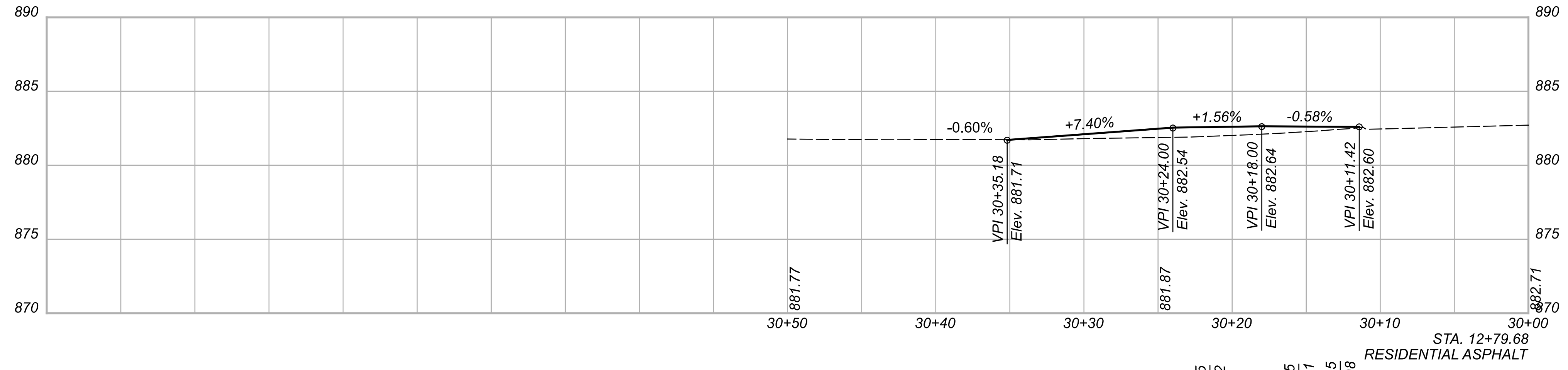


DESIGNER
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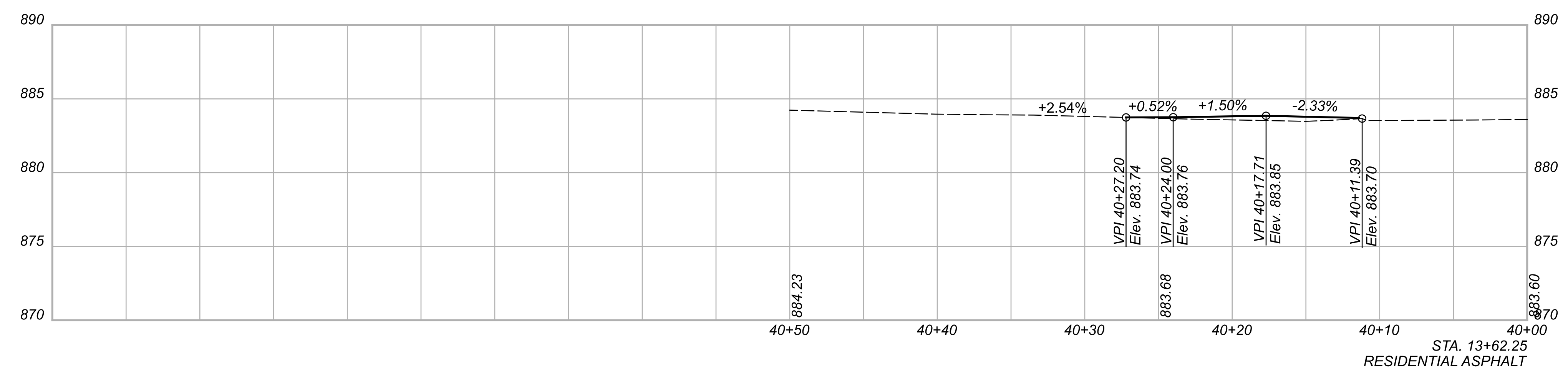
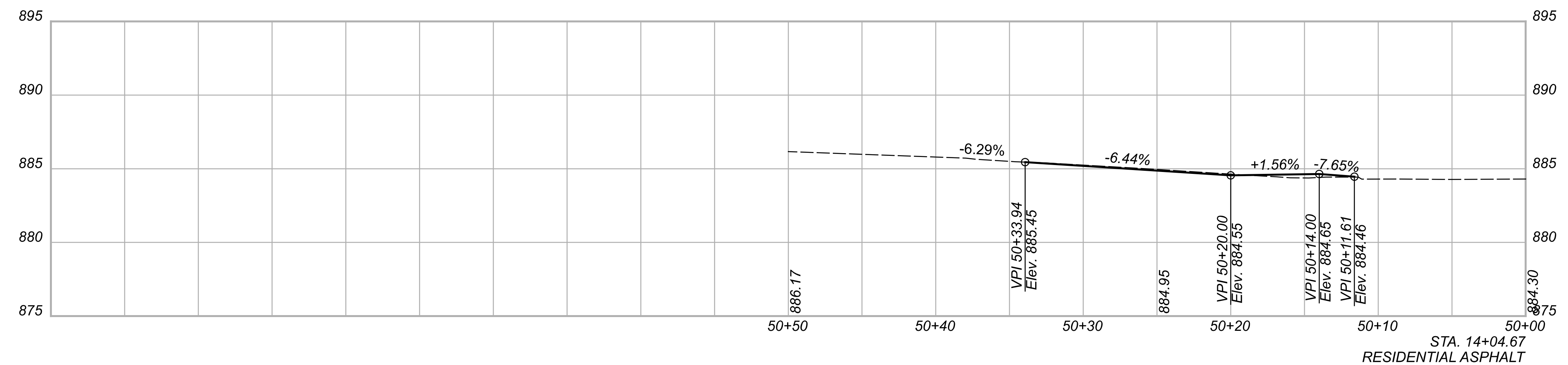
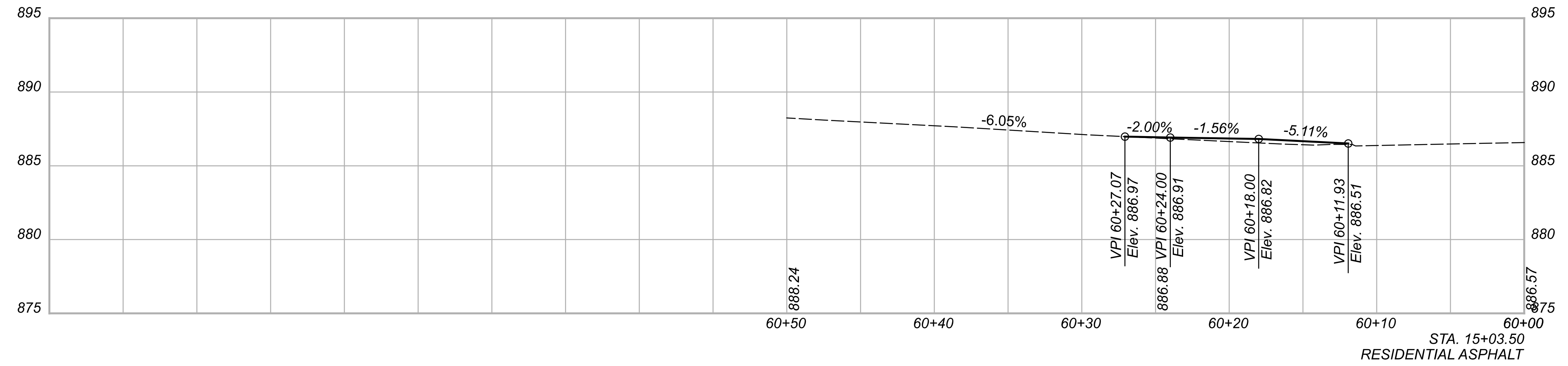
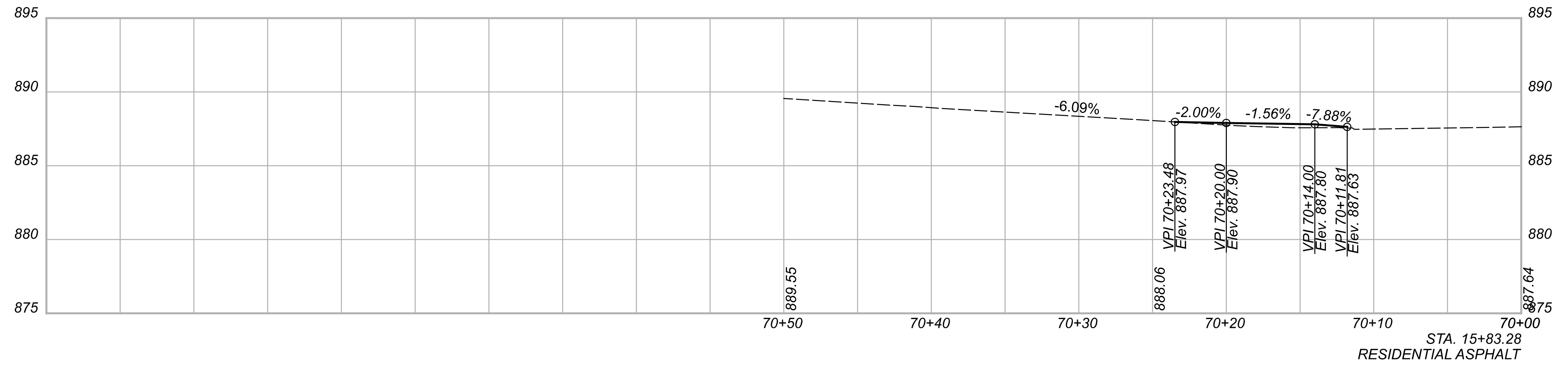
REVIEWER
 JGW 07/10/23

PROJECT ID
 113713

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Seeding	Cut	Fill		
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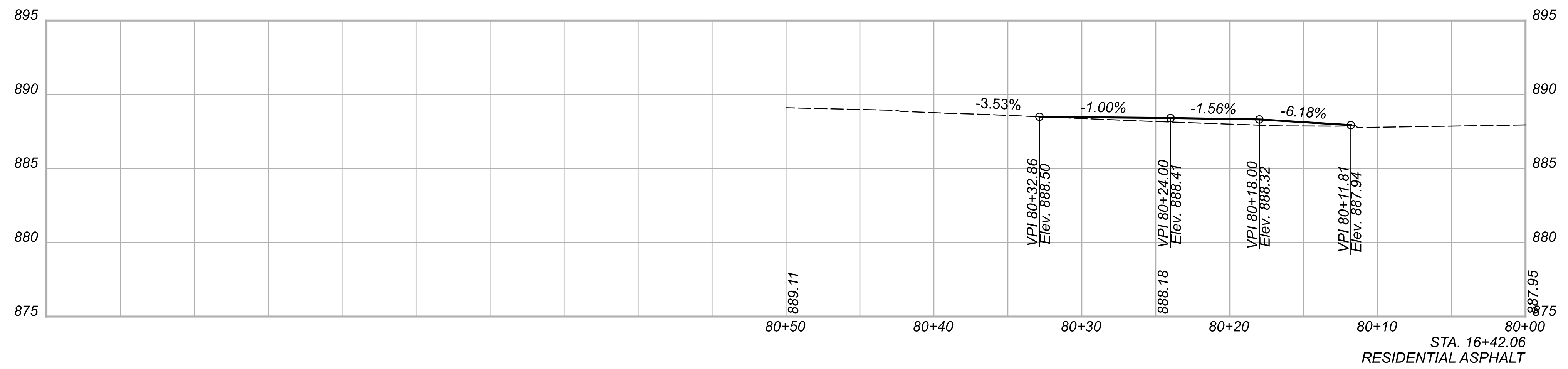
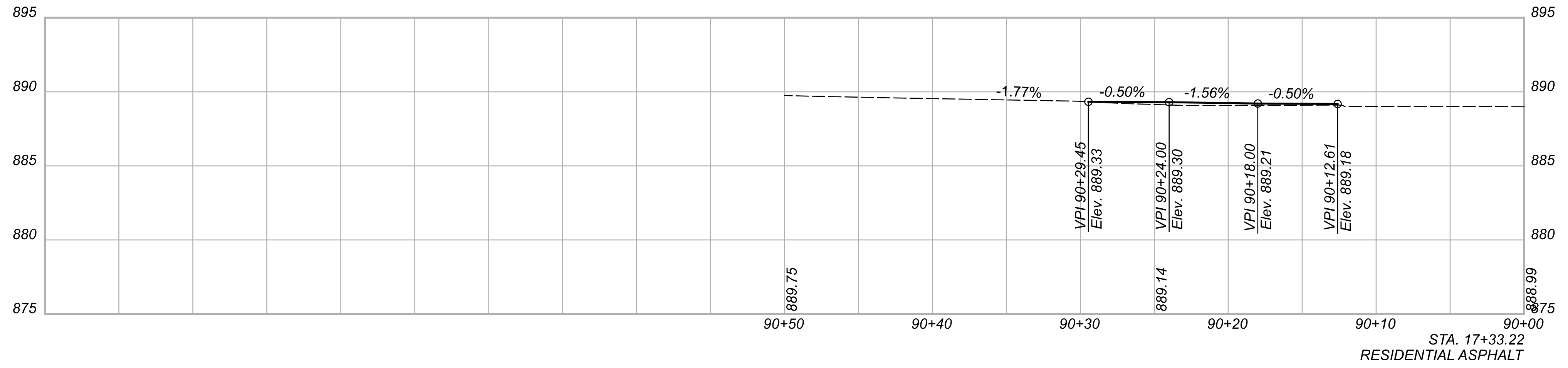


DRIVE PROFILES



DRIVE PROFILES

DESIGN AGENCY	
 WOOLPERT ARCHITECTURE ENGINEERING SCIENTISTS 1203 WALNUT STREET SECOND FLOOR CINCINNATI, OH 45202 T 513-272-8300	
DESIGNER	
MDK	
REVIEWER	
JGW 07/10/23	
PROJECT ID	
113713	
SHEET	TOTAL
20	32



DESIGN AGENCY



DESIGNER

MDK

REVIEWER

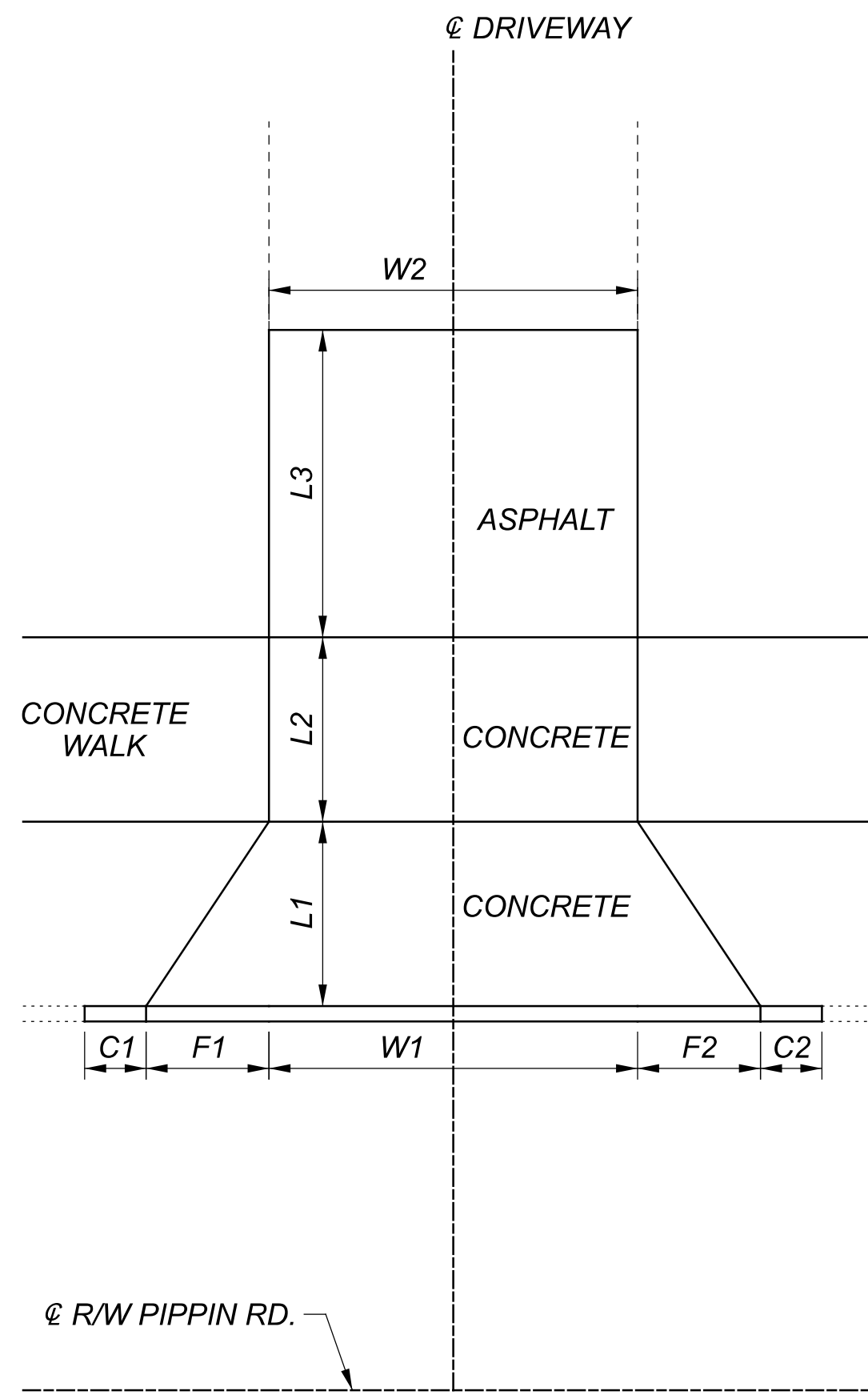
JGW 07/10/23

PROJECT ID

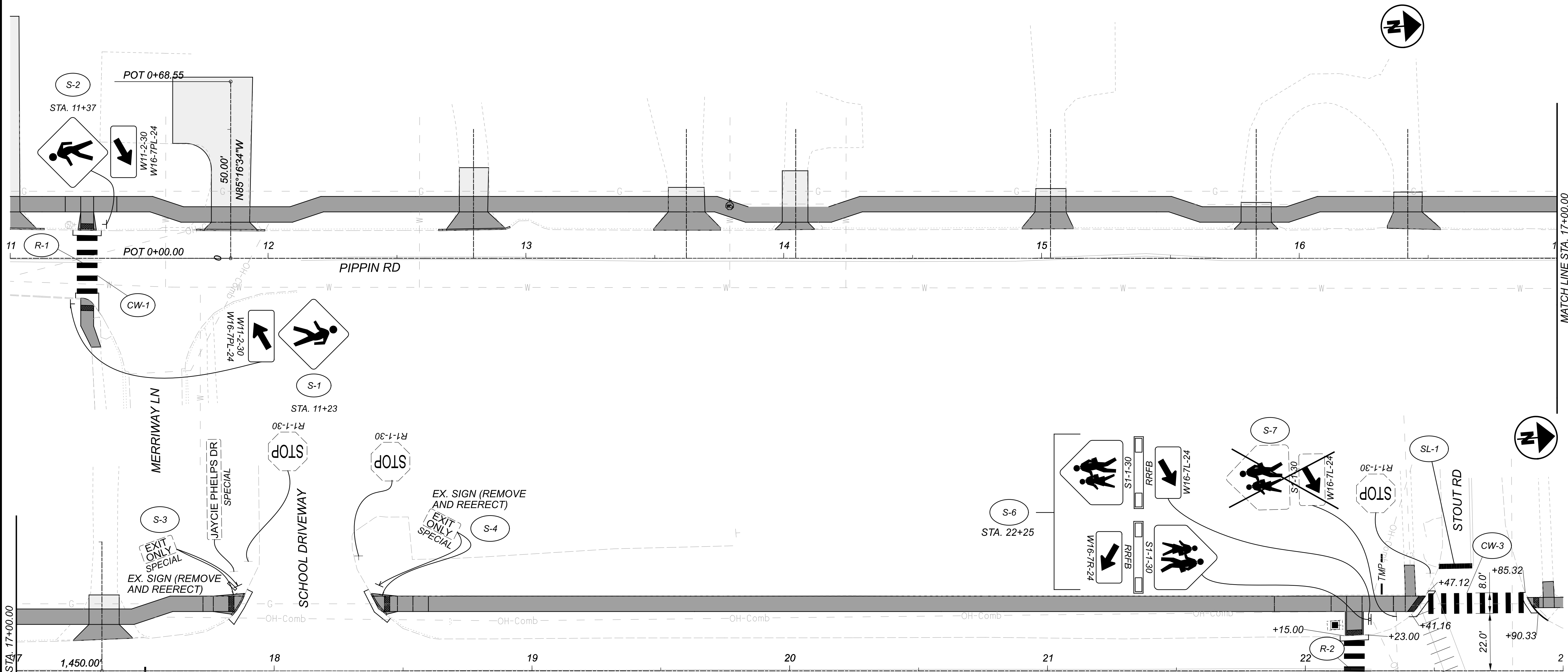
113713

SHEET TOTAL

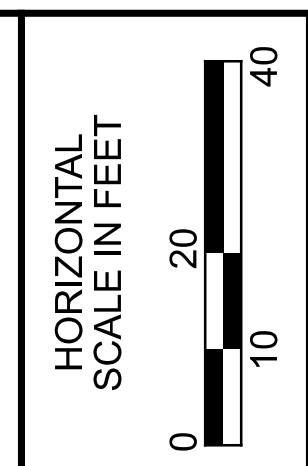
21 32



SHEET NO.	REF. NO.	STATION	SIDE	DRIVE TYPE	PAVEMENT TYPE	FLARE 1 WIDTH "F1"	FLARE 2 WIDTH "F2"	DRIVE WIDTH "W1"	APRON LENGTH "L1"	WALK LENGTH "L2"	TIE IN WIDTH "W2"	TIE IN LENGTH "L3"	CURB 1 LENGTH "C1"	CURB 2 LENGTH "C2"	APRON AREA	WALK AREA	DRIVE AREA	202	204	304	441	452	609	609
																		PAVEMENT REMOVED	SUBGRADE COMPACTION	6" AGGREGATE BASE	2" ASPHALT CONCRETE SURFACE COURSE TYPE 1, (449), PG64-22	6" NON-REINFORCED CONCRETE PAVEMENT	ASPHALT CURB, TYPE 1	CURB, TYPE 6
																		SY	SY	CY	CY	SY	FT	FT
7	DR-1	10+33.97	LT	RES.	ASPH.	5.5	5.8	9.0	6.0	6	9.2	39.4	3	3	91	54	359	59	40	7	3	17		26
7	DR-2	10+99.75	LT	RES.	ASPH.	6.5	6.3	8.0	6.8	6	7.5	69.9	3	3	102	48	542	77	61	11	4	17		27
7	DR-3	11+85.49	LT	RES.	ASPH.	2.9	2.9	14.9	3.3	6	26.0	50.3	3	3	61	90	1058	139	118	20	7	17		27
7	DR-4	12+79.68	LT	RES.	ASPH.	4.8	6.9	11.0	7.0	6	11.4	11.2	3	3	121	66	126	37	14	3	1	21		29
7	DR-5	13+62.25	LT	RES.	ASPH.	5.7	6.0	14.2	7.1	6	13.9	3.5			146	86	50	31	6	1	1	26		
7	DR-6	14+04.67	LT	RES.	ASPH.	2.7	2.5	9.9	2.9	6	9.9	13.9	1	4	38	60	138	29	16	3	1	11		5
7	DR-7	15+03.50	LT	RES.	ASPH.	4.9	2.7	12.0	6.6	6	11.7	3.1			107	72	37	24	5	1	1	20		
8	DR-8	15+83.28	LT	RES.	ASPH.	2.6	2.5	11.7	2.7	6	11.7	1.7	4	4	40	71	20	17	3	1	1	13		8
8	DR-9	16+42.06	LT	RES.	ASPH.	2.4	7.2	11.0	6.6	6	11.1	1.7			107	66	19	22	3	1	1	20		
8	DR-10	17+33.22	LT	RES.	ASPH.	6.0	5.1	11.7	5.8	6	11.7	5.5	7	5	103	71	65	39	8	2	1	20		12
TOTALS CARRIED TO GENERAL SUMMARY																		474	274	50	21	182	25	109



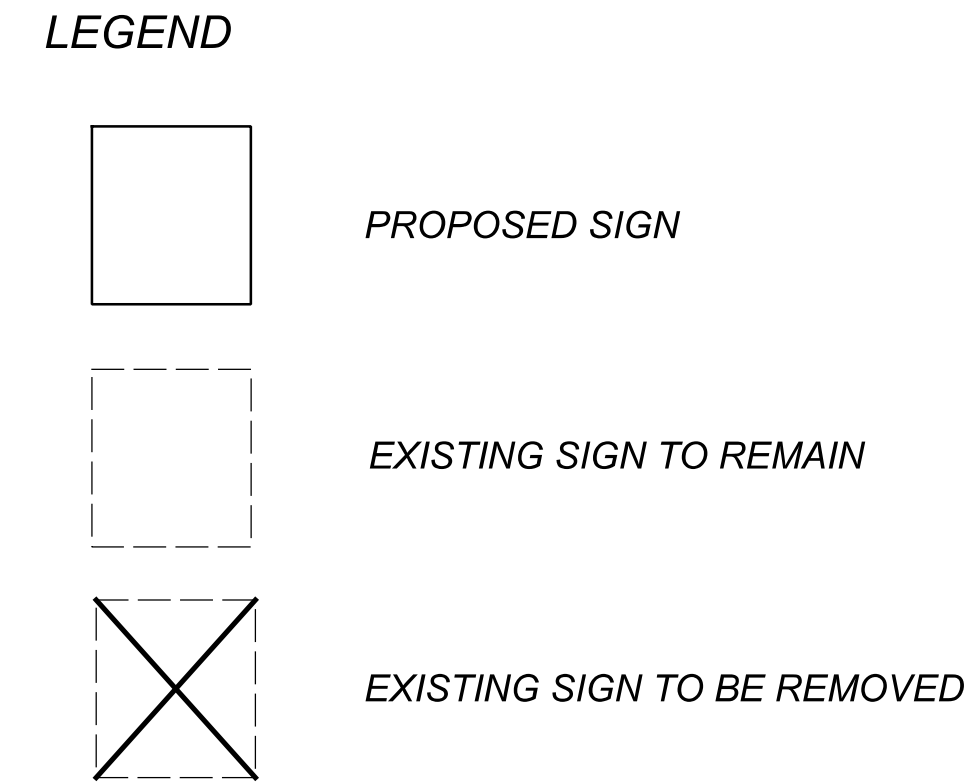
MATCH LINE STA. 17+00.00



SIGNING AND PAVEMENT MARKING PLAN

- NOTES**
1. ALL SIGNS AND MARKINGS SHALL CONFORM TO THE OMUTCD STANDARD UNLESS OTHERWISE NOTED.
 2. THE FOLLOWING SIGNS SHALL BE MADE WITH FLUORESCENT YELLOW SHEETING: S1-1 AND W16-7R&L.

SHEET NO.	REF. NO.	STATION		SIDE	GROUND MOUNTED SUPPORT, NO. 3		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID-FLASHING BEACON (RRFB) SIGN ASSEMBLY		PEDESTAL FOUNDATION	STOP LINE, TYPE 1		CROSSWALK LINE, 24", TYPE 1		REMOVAL OF EXISTING PAVEMENT MARKING	
		FROM	TO		FT	SF	EA	EA	EA	EA		EA	EA	EA	EA		
24	S-1	11+23		RT	16	9											
24	S-2	11+37		LT	16	9											
24	S-3	17+84		LT	13	9											
24	S-4	18+41		LT	13			1									
24	S-5	22+12		RT				1			1						
24	S-6	22+25		LT					1		1						
24	S-7	22+39		LT				2	1								
24	S-8	22+64		RT				2	1								
24	CW-1	11+26	11+34	LT/RT									40				
24	CW-2	22+15	22+23	LT/RT									48				
24	CW-3	22+41	22+90	LT									64				
24	SL-1	22+51.76	22+64.72	LT								40					
24	R-1	11+23	11+38	CL												15	
24	R-2	22+10	22+25	CL												15	
24	R-3	22+44	22+81.00	LT/RT												88	
TOTALS CARRIED TO GENERAL SUMMARY					58	18	4	4	2	2	40	152	118				



DESIGN AGENCY

WOOLPERT
 ARCHITECTURE ENGINEERING & CONSULTANTS
 1203 WALNUT STREET
 SECOND FLOOR
 CINCINNATI, OH 45202
 T 513-272-8300

DESIGNER
MDK

REVIEWER
JGW 07/10/23

PROJECT ID
113713

SHEET TOTAL
 24 32

RIGHT OF WAY LEGEND SHEET HAM-CR90-3.89

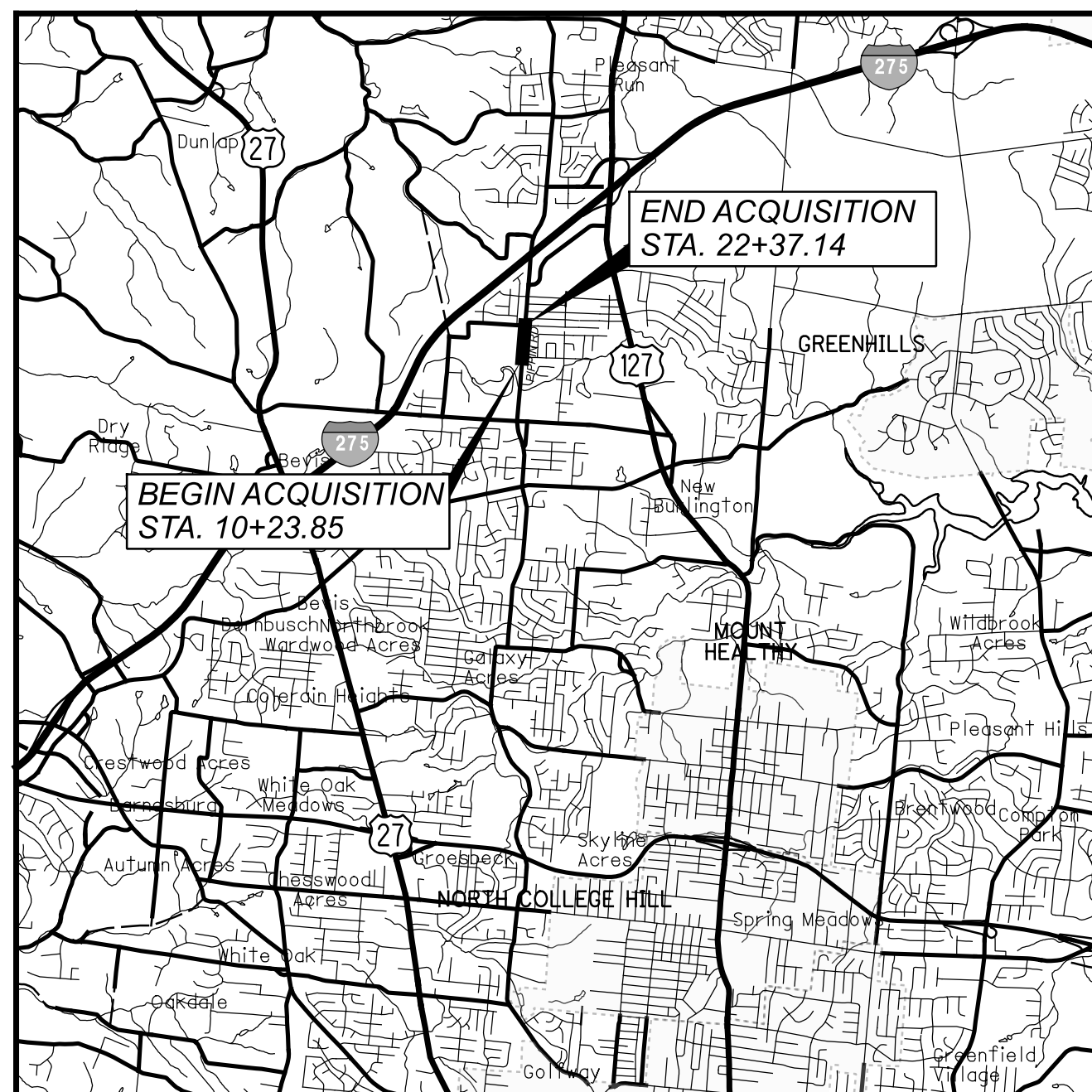
HAMILTON COUNTY
COLERAIN TOWNSHIP
SEC. 5, T. 2 E., R. 1 N.

PROJECT DESCRIPTION

INSTALLING A NEW SIDEWALK ALONG THE WEST SIDE OF PIPPIN ROAD BETWEEN STRUBLE ROAD AND STOUT ROAD AND IMPROVING THE CROSSINGS AT THE INTERSECTIONS.

PLANS PREPARED BY:

FIRM NAME : WOOLPERT, INC.
 R/W DESIGNER: TIM CHRISMER
 R/W REVIEWER: MICHAEL JAY WILSON
 FIELD REVIEWER: MARK ZARA
 PRELIMINARY FIELD REVIEW DATE: 09/17/2021
 TRACINGS FIELD REVIEW DATE: _____
 OWNERSHIP UPDATED BY: TIM CHRISMER
 DATE COMPLETED: 10/06/2022
 PLAN COMPLETION DATE: 10/06/2022



LOCATION MAP

LATITUDE: 39° 16' 12" LONGITUDE: -84° 34' 26"



UTILITY OWNERS			
TYPE	NAME AND ADDRESS	TYPE	NAME AND ADDRESS
TELEPHONE	ALTA FIBER/CINCINNATI BELL	ELECTRIC	DUKE ENERGY
	CITY OF CINCINNATI		DUKE ENERGY
STORM SEWER	CITY OF CINCINNATI	NATURAL GAS	DUKE ENERGY
WATER	CITY OF CINCINNATI	WATER	SOUTHWESTERN OHIO WATER
	CITY OF CINCINNATI		BP OIL CINCINNATI
SANITARY SEWER	CITY OF CINCINNATI	GAS	BP OIL CINCINNATI

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

INDEX OF SHEETS:

LEGEND SHEET	1
CENTERLINE PLAT	2
PROPERTY MAP	3
SUMMARY OF ADDITIONAL R/W	4-5
R/W DETAIL	6-8

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

CONVENTIONAL SYMBOLS

- County Line
- Township Line
- Section Line
- Corporation Line
- Fence Line (Ex)
- Center Line
- Right of Way (Ex)
- Right of Way (Pr)
- Standard Highway Ease.(Ex)
- Standard Highway Ease.(Pr)
- Temporary Right of Way
- Channel Ease. (Pr)
- Utility Ease. (Ex)
- Railroad
- Guardrail (Ex)
- Construction Limits
- Edge of Pavement (Ex)
- Edge of Pavement (Pr)
- Edge of Shoulder (Ex)
- Edge of Shoulder (Pr)
- Ditch / Creek (Ex)
- Ditch / Creek (Pr)
- Tree Line (Ex)
- Ownership Hook Symbol
- Property Line Symbol
- Break Line Symbol
- Tree (Pr)
- Tree (Ex)
- Shrub (Ex)
- Tree (Remove)
- Shrub (Remove)
- Evergreen (Ex)
- Stump
- Evergreen (Remove)
- Stump (Remove)
- Wetland (Pr)
- Grass (Pr)
- Aerial Target
- Post (Ex)
- Mailbox (Ex)
- Mailbox (Pr)
- Light (Ex)
- Telephone Marker (Ex)
- Fire Hydrant (Ex)
- Water Meter (Ex)
- Water Valve (Ex)
- Utility Valve Unknown (Ex.)
- Telephone Pole (Ex)
- Power Pole (Ex)
- Light Pole (Ex)

RIGHT OF WAY
LEGEND SHEET

SURVEYORS SEAL

DESIGN AGENCY

WOOLPERT
STRUCTURE ENGINEERS
1203 WALNUT STREET
SECOND FLOOR
CINCINNATI, OH 45202
T 513-272-8300

DESIGNER

TMC

REVIEWER

MJW MM-DD-YY

PROJECT ID

113713

SUBSET TOTAL

1 8

SHEET TOTAL

25 32

Michael Jay Wilson, Professional Land Surveyor 8281

Date:

I, Michael Jay Wilson, P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation in June, 2021. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates System South Zone on NAD 83 2011 datum. The Project Coordinates (US Survey Feet) are relative to State Plane Grid Coordinates (US Survey Feet) by a Project Adjustment Factor of 1.00009896. As a part of this project I have reestablished the locations of the existing property lines and the existing centerline of Right of Way for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersection, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

HAM-CR90-3.89

MODEL Sheet PAPER SIZE: 34x22 (in.) DATE: 9/29/2023 TIME: 4:44:59 PM USER: Ludwig
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TOTAL NUMBER OF :

6 OWNERSHIPS 0 TOTAL TAKES
 7 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET TAKE = GROSS TAKE - PRO IN TAKE
 NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

GRANTEE:
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF
 COLERAIN TOWNSHIP
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC- TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			O.R.	PAGE								LEFT	RIGHT			BOOK	PAGE
1-9	NOT USED																
10	REDWOOD CINCINNATI PIPPIN ROAD OH P1 LLC	6	14423	2260	510-33-23	45.614	0.713								NO ADDITIONAL R/W REQUIRED		
11-T	CHERYL D. WALKER	6	14493	2524	510-33-15	1.071	0.062	0.072	0.000	0.072					FOR DRIVEWAY RECONSTRUCTION		
12	MANIBA, INC.	6	13442	1742	510-32-114	0.252	0.000								NO ADDITIONAL R/W REQUIRED		
13-T	STANLEY A. WALTON & CYNTHIA WALTON	6	8596	447	510-33-14	1.063	0.062	0.093	0.000	0.093					FOR DRIVEWAY RECONSTRUCTION 1 TREE TBR, *1 TREE TBR		
14	THERESA A. SPATH	6	13849	944	510-32-134	0.221	0.000								NO ADDITIONAL R/W REQUIRED		
15-T	KHEMARA DINH & SOPHEAP DINH	6	12156	1142	510-33-13	0.983	0.062	0.027	0.000	0.027					FOR DRIVEWAY RECONSTRUCTION 1 STUMP TBR, 2 BUSHES TBR		
16	STEVEN K. TUCKER & MICHELLE D. TUCKER	6	RL 131677		510-32-135	0.2320	0.000								NO ADDITIONAL R/W REQUIRED		
17-T	JOHNNETTA MUIR	6	13276	171	510-33-12	1.028	0.062	0.014	0.000	0.014					FOR GRADING		
18	LINDA KAY POINDEXTER	6	RL 237505		510-32-136	0.232	0.000								NO ADDITIONAL R/W REQUIRED		
19-T	SARAH DENNIS	6	14180	921	510-33-11	1.043	0.062	0.014	0.000	0.014					FOR DRIVEWAY RECONSTRUCTION 4 BUSHES TBR		
20	BRADLEY LINVILLE & BETTY SUE LINVILLE	6,7	RL 112236		510-32-137 510-32-138	0.338 0.186	0.000 0.000								NO ADDITIONAL R/W REQUIRED		
21	BRENT W. ROLFERT & REBECCA A. ROLFERT	6,7	9150	80	510-33-10	1.027	0.062								NO ADDITIONAL R/W REQUIRED *1 BUSH TBR		
22	NORTHWEST LOCAL SCHOOL DISTRICT BOARD OF EDUCATION	7	9407	6292	510-33-8	2.178	0.135								NO ADDITIONAL R/W REQUIRED		
23	BROOKE LINVILLE	7	10856	908	510-32-139	0.186	0.000								NO ADDITIONAL R/W REQUIRED		
24	TANYA L. RUSHING	7	13806	1394	510-32-140	0.186	0.000								NO ADDITIONAL R/W REQUIRED		
25	EARL M. FISCHER	7	10958	1335	510-32-141	0.186	0.000								NO ADDITIONAL R/W REQUIRED		

SUMMARY OF ADDITIONAL R/W

TYPES OF TITLE LEGEND:
 T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO
 BE OF 24 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY
 EASEMENTS TO BE USED FOR STORAGE OF
 MATERIAL OR EQUIPMENT BY THE CONTRACTOR
 UNLESS NOTED OTHERWISE.

* DENOTES RIGHT OF WAY ENCROACHMENT

DESIGNER	TMC
REVIEWER	MJW MM-DD-YY
PROJECT ID	113713
REV. BY	DATE
DESCRIPTION	
FIELD REVIEW BY	DATE:
OWNERSHIP VERIFIED BY	DATE:
DATE COMPLETED	
SUBSET	TOTAL
4	8
SHEET	TOTAL
28	32

DESIGN AGENCY

 1203 WALNUT STREET
 SECOND FLOOR
 CINCINNATI, OH 45202
 T 513-272-8300

HAM-CR90-3.89

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NET TAKE = GROSS TAKE - PRO IN TAKE
 NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

GRANTEE:
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF
 COLERAIN TOWNSHIP
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC- TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			O.R.	PAGE								LEFT	RIGHT			BOOK	PAGE
26	PROSKILL PAINTING & RESTORATION LLC	7	14432	2132	510-32-142	0.756	0.000								NO ADDITIONAL R/W REQUIRED		
27-T1	BOARD OF EDUCATION OF THE NORTHWEST LOCAL	7,8	12116	1547	510-34-22	13.683	1.060	0.008	0.000	0.008					FOR GRADING		
27-T2	SCHOOL DISTRICT							0.002	0.000	0.002					FOR GRADING		
28	JASON B. HARPER & GINA L. HARPER	7	10395	1808	510-32-457	0.354	0.000								NO ADDITIONAL R/W REQUIRED		
29	LAMIN TRAWALLY	7	10093	2839	510-32-478	0.309	0.000								NO ADDITIONAL R/W REQUIRED		
30	LUANA JACKSON	7,8	5715	1425	510-32-143	0.532	0.000								NO ADDITIONAL R/W REQUIRED		
31	DANIEL WESLEY & JONATHAN BAEHR	8	13212	1143	510-32-144	0.549	0.000								NO ADDITIONAL R/W REQUIRED		
32	SHIELA M. SIMPSON & HARRY E. MCCANE	8	8161	1175	510-31-652	0.158	0.000								NO ADDITIONAL R/W REQUIRED		
33	DENISE J. MILLER AS TRUSTEE, OF THE DENISE K. MILLER FAMILY TRUST	8	9304	3168	510-31-653	0.157	0.000								NO ADDITIONAL R/W REQUIRED		
34	GEORGE ANTHONY CONLEY	8	11178	1953	510-31-654	0.154	0.000								NO ADDITIONAL R/W REQUIRED		
					510-31-655	0.122	0.000										
35	ROSS W. PETERS & DOROTHY PETERS	8	14566	2763	510-34-48	0.227	0.000								NO ADDITIONAL R/W REQUIRED		

SUMMARY OF ADDITIONAL R/W

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 BE OF 24 MONTH DURATION.

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* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

DESIGN AGENCY

 1203 WALNUT STREET
 SECOND FLOOR
 CINCINNATI, OH 45202
 T 513-272-8300

DESIGNER	TMC
REVIEWER	MJW MM-DD-YY
PROJECT ID	113713
SUBSET	TOTAL
5	8
SHEET	TOTAL
29	32

