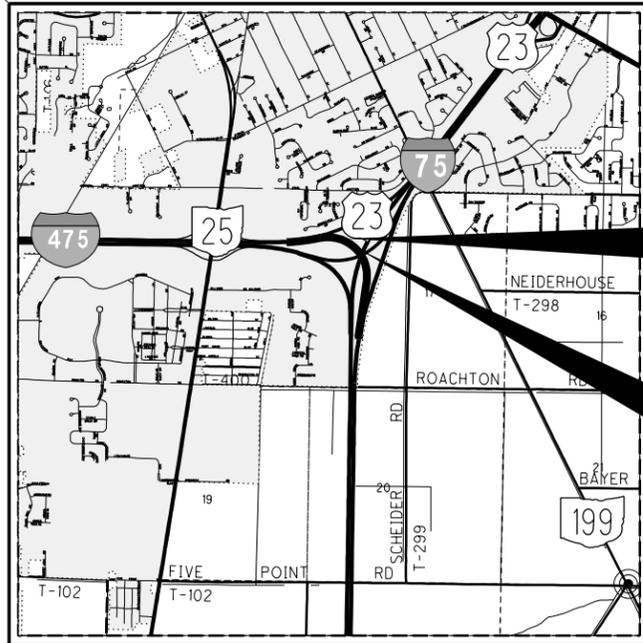


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## WOO-475-0.39

CITY OF PERRYSBURG  
WOOD COUNTY



**LOCATION MAP**

LATITUDE: 41°31'56.78" LONGITUDE: 83°37'16.80"



END PROJECT  
@ IR-475  
Sta. 2 + 66.00  
SLM 0.39

BEGIN PROJECT  
@ IR-475  
Sta. 0 + 05.00  
SLM 0.39

**INDEX OF SHEETS:**

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

**DESIGN DESIGNATION**

CURRENT ADT (2024)	12000
DESIGN YEAR ADT (2044)	17000
DESIGN HOURLY VOLUME (2044)	2000
DIRECTIONAL DISTRIBUTION	100%
TRUCKS (24 HOUR B&C)	20%
DESIGN SPEED	70 MPH
LEGAL SPEED	65 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN INTERSTATE	
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

OHIO 811, 8-1-1, or 1-800-362-2764  
(Non members must be called directly)

PLAN PREPARED BY:  
OHIO DEPT. OF TRANSPORTATION  
DISTRICT 2  
BOWLING GREEN, OHIO

**ENGINEER'S SEAL**

SIGNED: \_\_\_\_\_  
DATE: \_\_\_\_\_

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-4.3	1/15/16			800-2019 SEE PROPOSAL	
DM-4.4	1/15/16			832 7/15/22	
MGS-1.1	7/16/21				
MGS-2.1	1/19/18				
MGS-5.2	7/15/16				
MGS-5.3	7/15/16				
MT-95.45	1/17/20				
MT-101.90	7/17/20				
MT-103.10	1/21/22				
MT-105.10	1/17/20				

**FEDERAL PROJECT NUMBER**

E230201

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

A GSM FUNDED PROJECT TO REPAIR THE SLOPE ON IR-475 IN WOOD COUNTY NEAR THE IR-75 INTERCHANGE (SLM 0.39).

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	2.71 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	1.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	3.71 ACRES

**LIMITED ACCESS**

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

**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.

Pat McColley, P.E., S.I.  
02

Jack Marchbanks, PhD  
Director, Department of Transportation

TITLE SHEET

DESIGN AGENCY

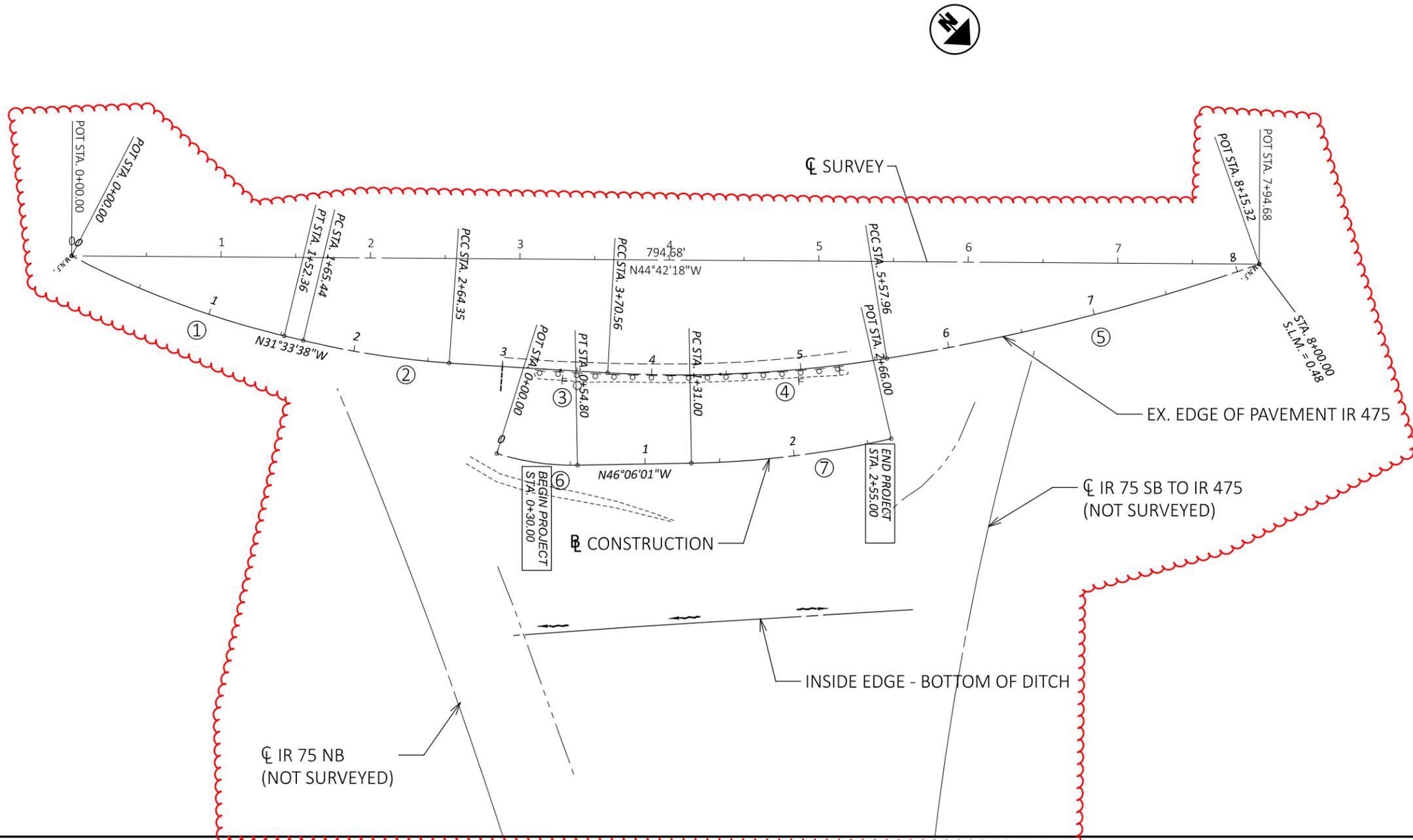


DESIGNER	DAR
REVIEWER	DG
PROJECT ID	115998
SHEET	P.1
TOTAL SHEETS	15

WOO-475-0.39

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CURVE NUMBER	ALIGNMENT	PI STATION	$\Delta$	Dc	R	T	L	E
		STA.		FT	FT	FT	FT	FT
1	475 RAMP	0+76.56	14°02'14" LT	09°12'47"	621.90	76.56	152.36	4.70
2	475 RAMP	2+15.01	09°34'36" LT	09°40'57"	591.74	49.57	98.90	2.07
3	475 RAMP	3+17.46	00°48'54" LT	00°46'03"	7466.44	53.11	106.22	0.19
4	475 RAMP	4+64.62	12°12'16" LT	06°30'46"	879.75	94.05	187.39	5.01
5	475 RAMP	6+86.98	10°13'53" LT	03°58'32"	1441.23	129.02	257.36	5.76
6	BL CONST.	0+27.63	18°20'38" LT	33°28'38"	171.15	27.63	54.80	2.22
7	BL CONST.	1+98.75	11°55'11" LT	08°49'44"	648.95	67.75	135.01	3.53



SCHEMATIC SHEET

DESIGN AGENCY



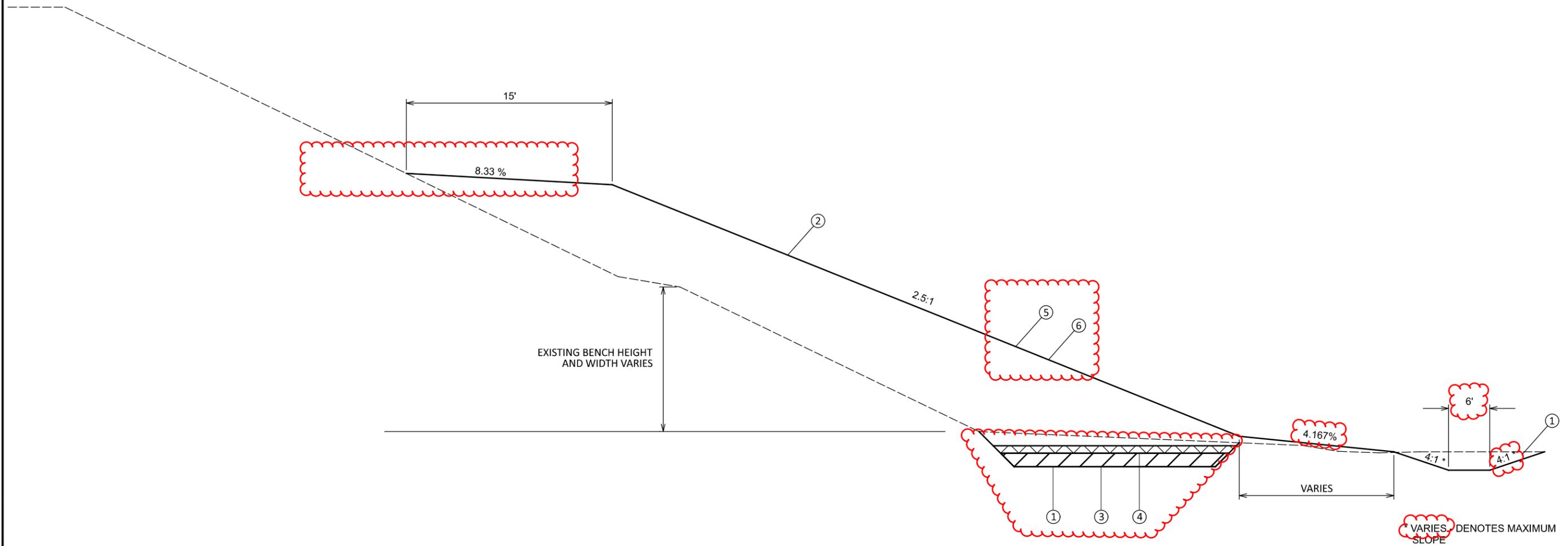
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 RN 9-13-23  
 PROJECT ID  
 115998  
 SHEET  
 P.2

**LEGEND**

- ① ITEM 202 EXCAVATION
- ② ITEM 203 EMBANKMENT
- ③ 6" ITEM 203 GRANULAR MATERIAL, TYPE B
- ④ 18" ITEM 203 GRANULAR MATERIAL, TYPE D
- ⑤ ITEM 659 TOPSOIL
- ⑥ ITEM 659 SEEDING AND MULCHING

**TYPICAL SECTION IR 475**

STATIONS APPLY  
STA 0+30 TO 2+55 = 225 FEET



**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

**UTILITIES**

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

**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: STATIC GNSS  
MONUMENT TYPE: A

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: 2018

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD83  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE - NORTH ZONE  
COMBINED SCALE FACTOR: 1.0000000  
ORIGIN OF COORDINATE SYSTEM: 0,0

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.

**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.

**BENCHING OF FOUNDATION SLOPES**

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS IN EXPECTED INFIELD AREAS OUTSIDE OF THE CONSTRUCTION LIMITS:

- 659, TOPSOIL 56 CU. YD.
- 659, SEEDING AND MULCHING 500 SQ. YD.
- 659, REPAIR SEEDING AND MULCHING 25 SQ. YD.
- 659, COMMERCIAL FERTILIZER 0.07 TON
- 659, LIME 0.10 ACRES
- 659, WATER 3 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.

**CONTRACTOR'S USE OF ODOT RIGHT-OF-WAY**

THE CONTRACTOR SHALL NOT BORROW FROM A SITE KNOWN, OR SUSPECTED OF HAVING, CONTAMINATED SOIL OR WATER. EXCEPT EXCAVATED SOILS FROM THE NEW DRAINAGE SWALE, PLANNED EMBANKMENT SOILS CANNOT BE BORROWED FROM ODOT RIGHT OF WAY.

**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.

**ITEM 832 EROSION CONTROL**

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO SUPPORT CONSTRUCTION STORMWATER QUALITY

ITEM 832 EROSION CONTROL 29,000 EACH

**VEGETATED BIOFILTER  
NOTE REMOVED**

DESIGN AGENCY



DESIGNER

DAR

REVIEWER

DG 1-13-23

PROJECT ID

115998

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P.4

15

**ITEM 614, MAINTAINING TRAFFIC (AT ALL TIMES), AS PER PLAN**

A MINIMUM OF 2 LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 502 STRUCTURE FOR MAINTAINING TRAFFIC, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

THE CONTRACTOR CAN ELECT TO PLACE A TEMPORARY PIPE OVER THE EXISTING DITCHES ALONG IR 75 FOR ACCESS. THE CONTRACTOR SHALL USE A MINIMUM PIPE DIAMETER OF 18 INCHES TO BRIDGE THE IR 75 DITCH. ALL LABOR AND MATERIAL COSTS REQUIRED FOR THE TEMPORARY CULVERT PLACEMENT, MAINTENANCE AND REMOVAL SHALL BE INCLUDED IN:  
ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN LUMP SUM

THE CONTRACTOR SHALL UTILIZE ODOT SCD MT-103.10 FOR ACCESS POINTS. THE DEPARTMENT WILL ALLOW THE USE OF DRUMS IN PLACE OF PORTABLE CONCRETE BARRIER SHOWN ON THE STANDARD DRAWING. ALL ACCESS TO/FROM THE CONSTRUCTION SITE SHALL BE PERFORMED BY CONSTRUCTION TRAFFIC REMAINING PARALLEL WITH THE NORMAL DIRECTION OF TRAFFIC AT ALL TIMES. (NO DIRECT TURNING OF CONSTRUCTION TRAFFIC INTO OR OUT OF THE TRAVEL LANES).

THE CONTRACTOR MUST SUBMIT A MAINTENANCE OF TRAFFIC PLAN A MINIMUM OF 14 DAYS PRIOR TO WORK FOR ODOT APPROVAL AND NOTIFICATION. THE MOT PLAN SHALL INCLUDE ACCESS POINTS, TYPES AND LOCATION OF ANY MATERIALS IN THE ODOT INFIELD OR ALONG THE ROADWAY, TYPE OF CULVERT PIPES, IF ELECTED FOR USE, AND SIGNS AND ANY OTHER TRAFFIC CONTROL SHALL ALSO BE SHOWN.

THE MAXIMUM NUMBER OF CALENDAR DAYS WHERE TRAFFIC CONTROL CAN BE PRESENT ALONG IR 75 & 475 IS 60 DAYS.

THE MAXIMUM NUMBER OF CALENDAR DAYS WHERE TRAFFIC CONTROL CAN BE PRESENT ALONG IR 75 & 475 IS 60 DAYS.

**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 RESTRICTIONS	NOTICE DUE TO PERMITS & PIO
LANE RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 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.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED FORWARD TO THE GENERAL SUMMARY FOR CONTRACTOR ACCESS POINTS.

ITEM 202 GUARDRAIL REMOVED FOR REUSE	105 FT
ITEM 202 GUARDRAIL POST REMOVED	14 EACH
ITEM 202 ANCHOR ASSEMBLY REMOVED FOR REUSE, TYPE E	1 EACH
ITEM 606 GUARDRAIL REBUILT, TYPE MGS	105 FT
ITEM 606 GUARDRAIL POST AS PER PLAN	14 EACH
ITEM 606 ANCHOR ASSEMBLY REBUILT, MGS, TYPE E	1 EACH

ITEM 606 GUARDRAIL POST AS PER PLAN INCLUDES ALL MATERIALS AND LABOR NEEDED TO REPLACE THE SAME TYPE AND LENGTH OF GUARDRAIL POST REMOVED FOR ACCESS. THIS ITEM INCLUDES METAL POSTS WHICH ARE IN PLACE AT THE TYPE E MGS ANCHOR ASSEMBLIES.

**ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN**

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PCMS LOCATIONS WILL BE PROVIDED BY THE ODOT DISTRICT WORK ZONE TRAFFIC MANAGER. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WHEN TRUCKS ARE ACTIVELY ENTERING AND EXITING THE WORK ZONE

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 4 SIGN MONTH ASSUMING 2 PCMS SIGN(S) FOR 2 MONTH(S)

**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 614, REPLACEMENT DRUM**

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

**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 5 M. GAL.

DESIGN AGENCY



DESIGNER

DAR

REVIEWER

JM 1-13-2023

PROJECT ID

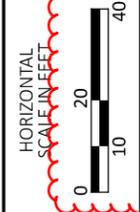
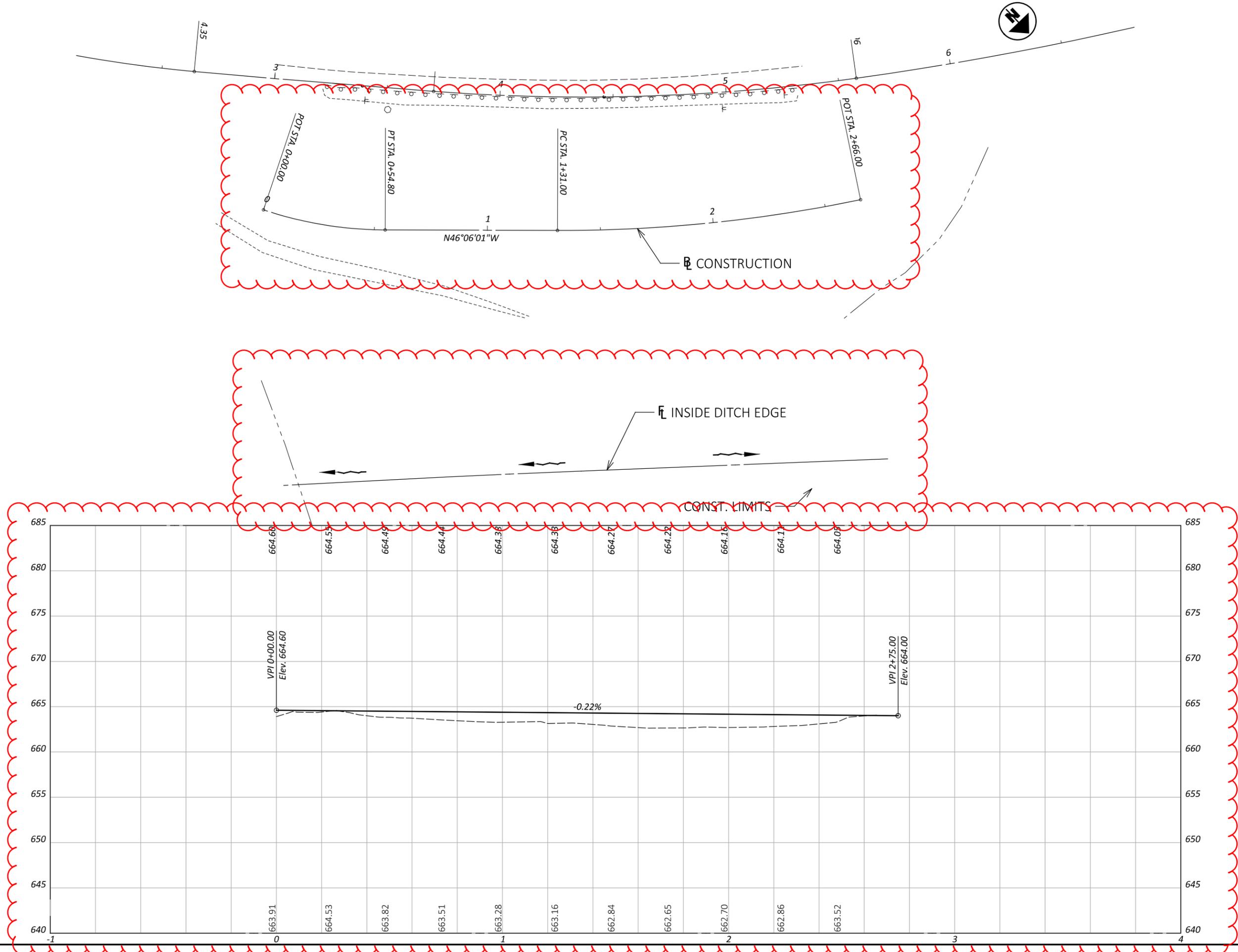
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SHEET TOTAL

P.5 15





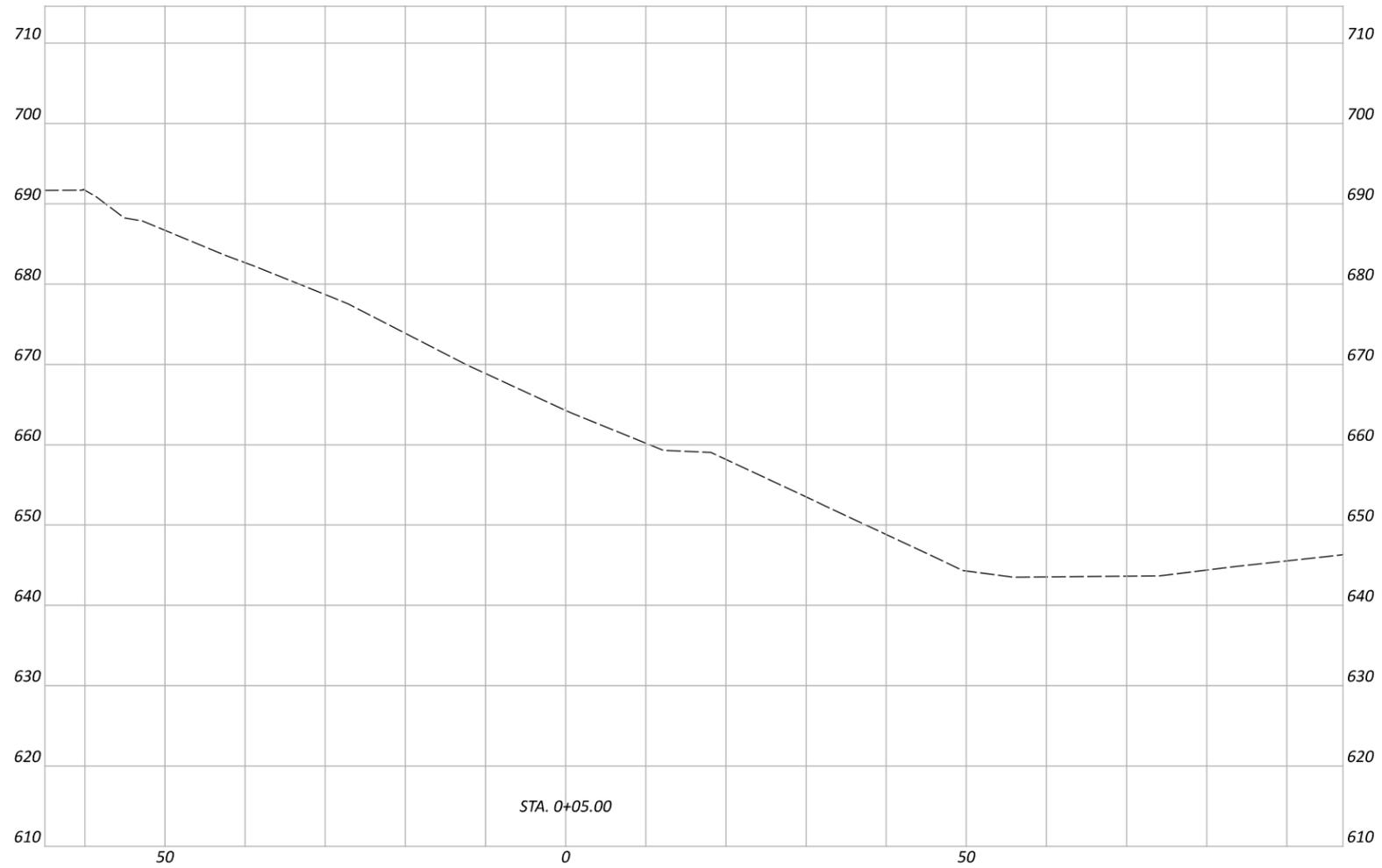


PLAN AND PROFILE  
 IR 475 STA. 0+00 TO STA. 2+75

DESIGN AGENCY	
DESIGNER	DAR
REVIEWER	RN
PROJECT ID	115998
SHEET	P.8
TOTAL SHEETS	15

WOO-475-0.39

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DESIGN AGENCY



DESIGNER  
DAR

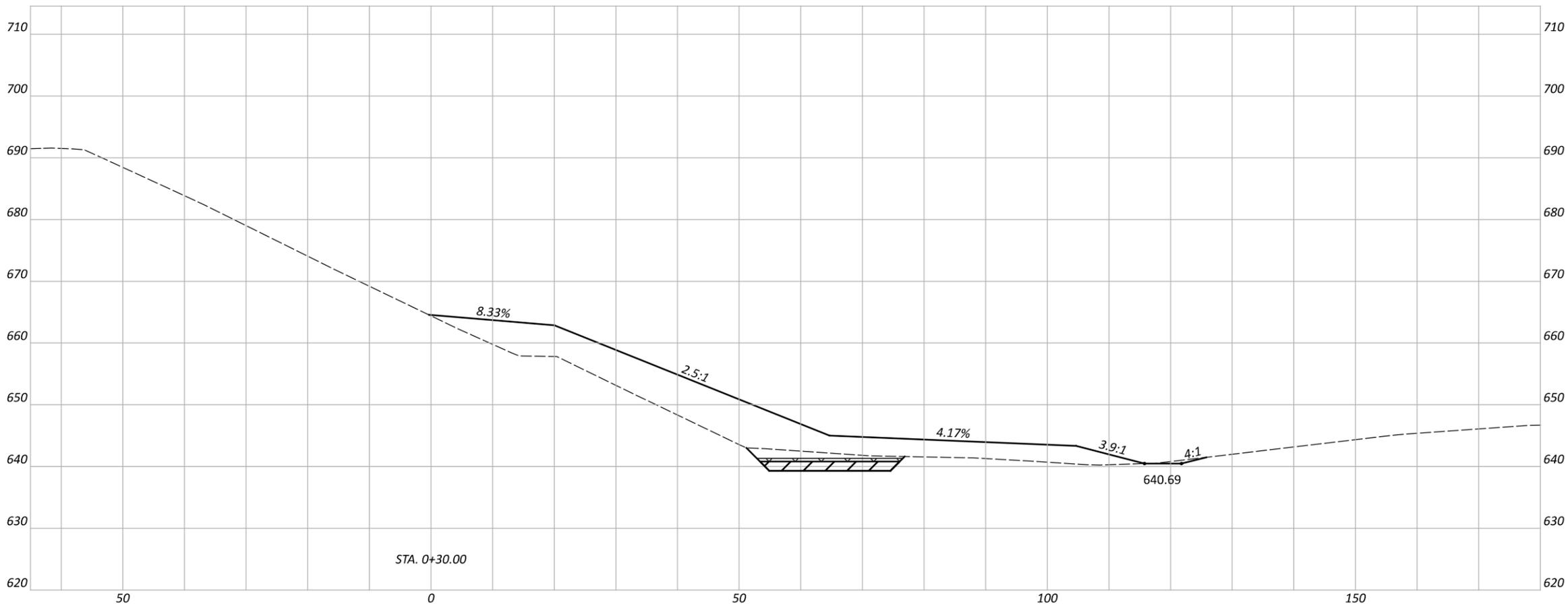
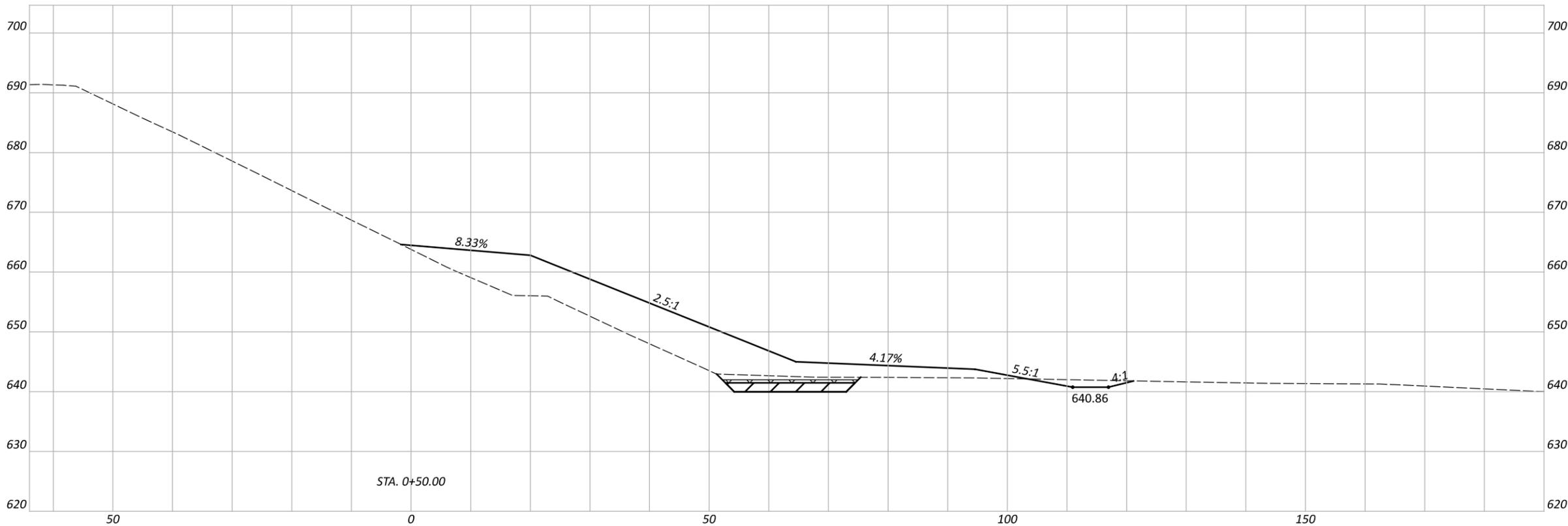
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DC 8-3-23

PROJECT ID  
115998

SHEET  
P.9

15

CROSS SECTIONS  
STA. 0+05 TO STA. 0+30



LEGEND

-  6" ITEM 203 TYPE B GRANULAR
-  18" ITEM 203 TYPE D GRANULAR

CROSS SECTIONS  
STA. 0+30 TO STA. 0+50

DESIGN AGENCY



DESIGNER  
DAR

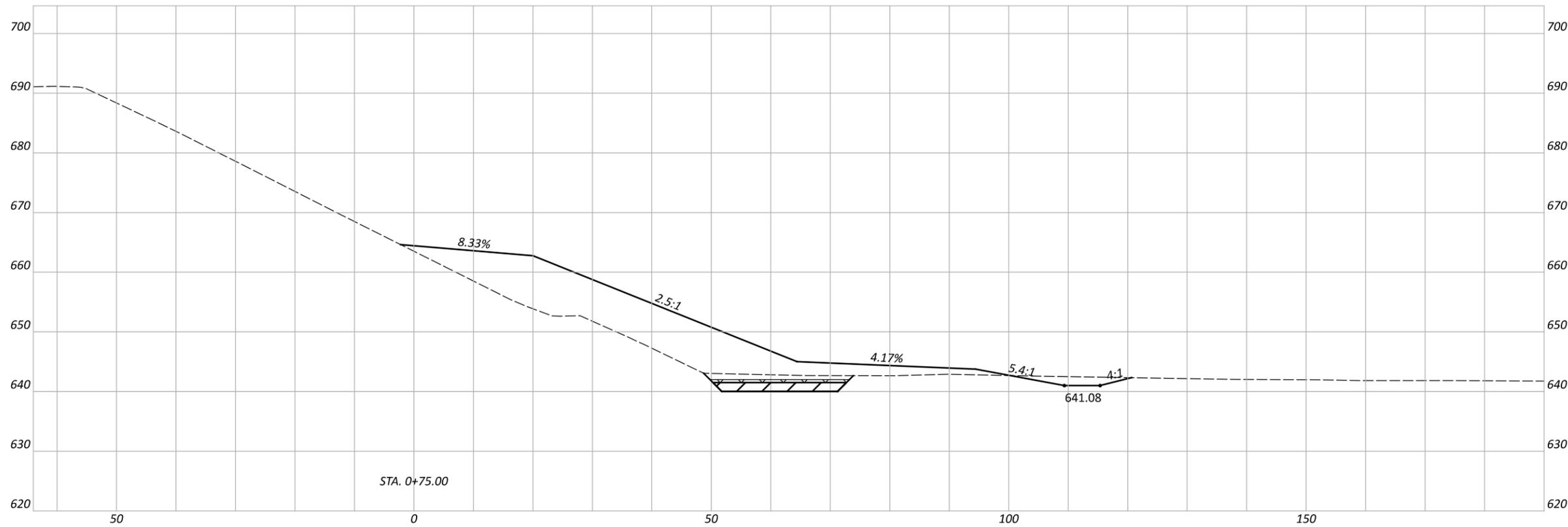
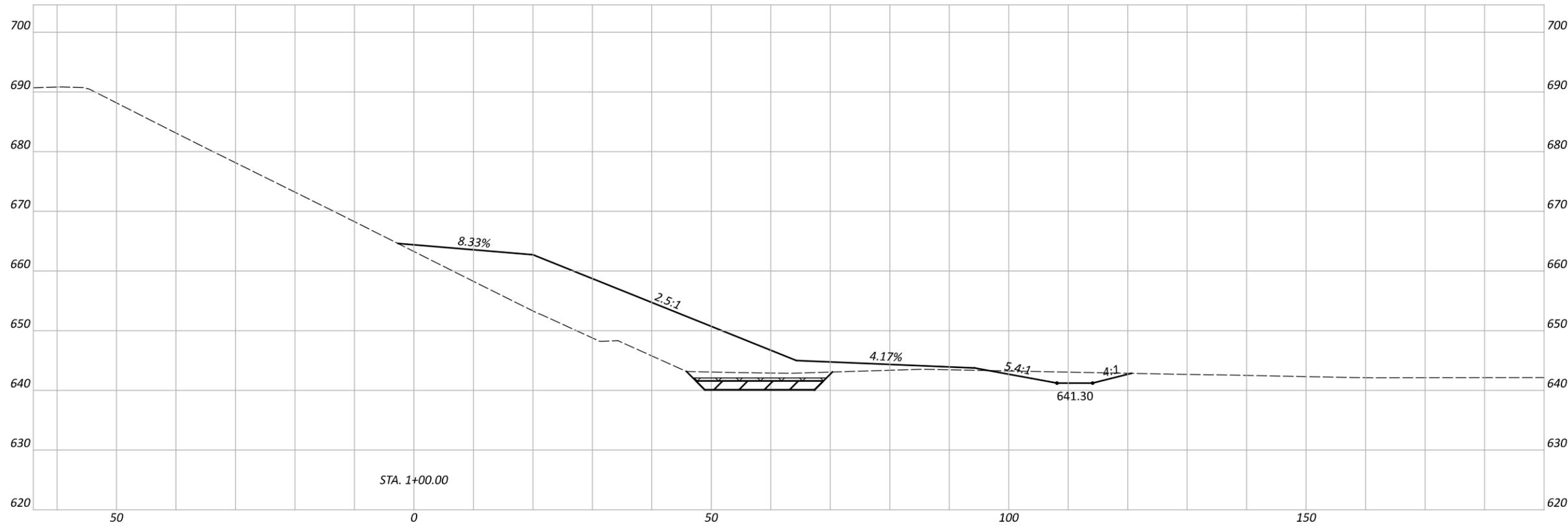
REVIEWER  
DC 8-3-23

PROJECT ID  
115998

SHEET  
P.10 15

LEGEND

-  6" ITEM 203 TYPE B GRANULAR
-  18" ITEM 203 TYPE D GRANULAR



CROSS SECTIONS  
STA. 0+75 TO STA. 1+00

DESIGN AGENCY



DESIGNER  
DAR

REVIEWER  
DC 8-3-23

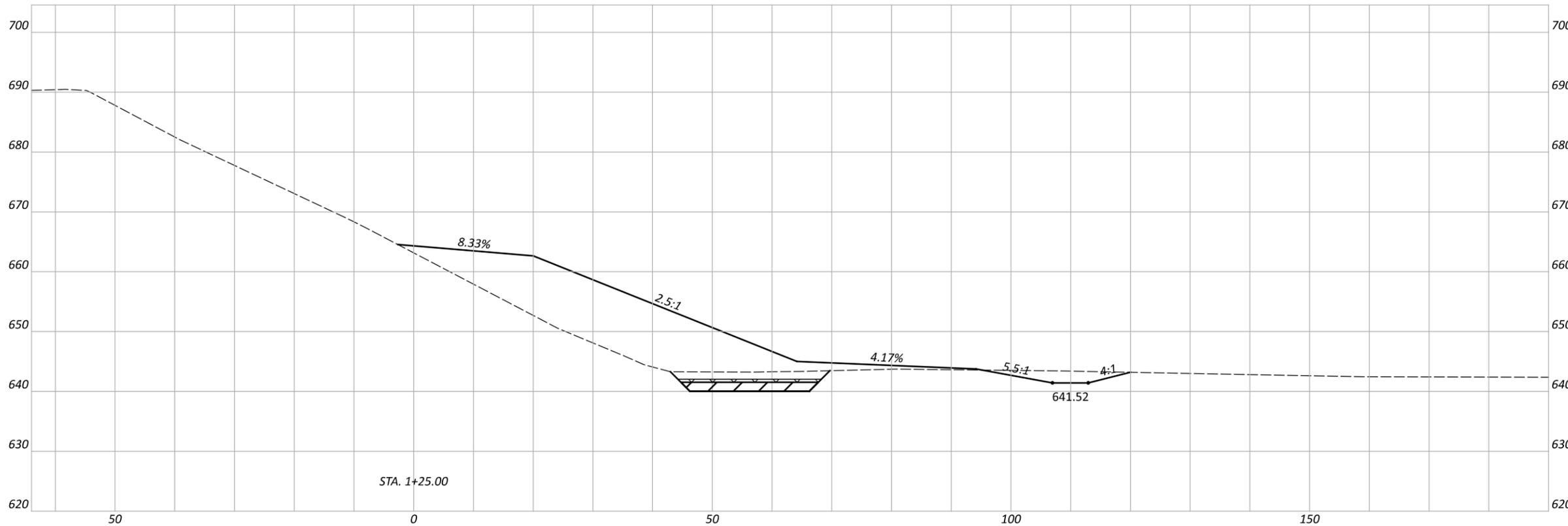
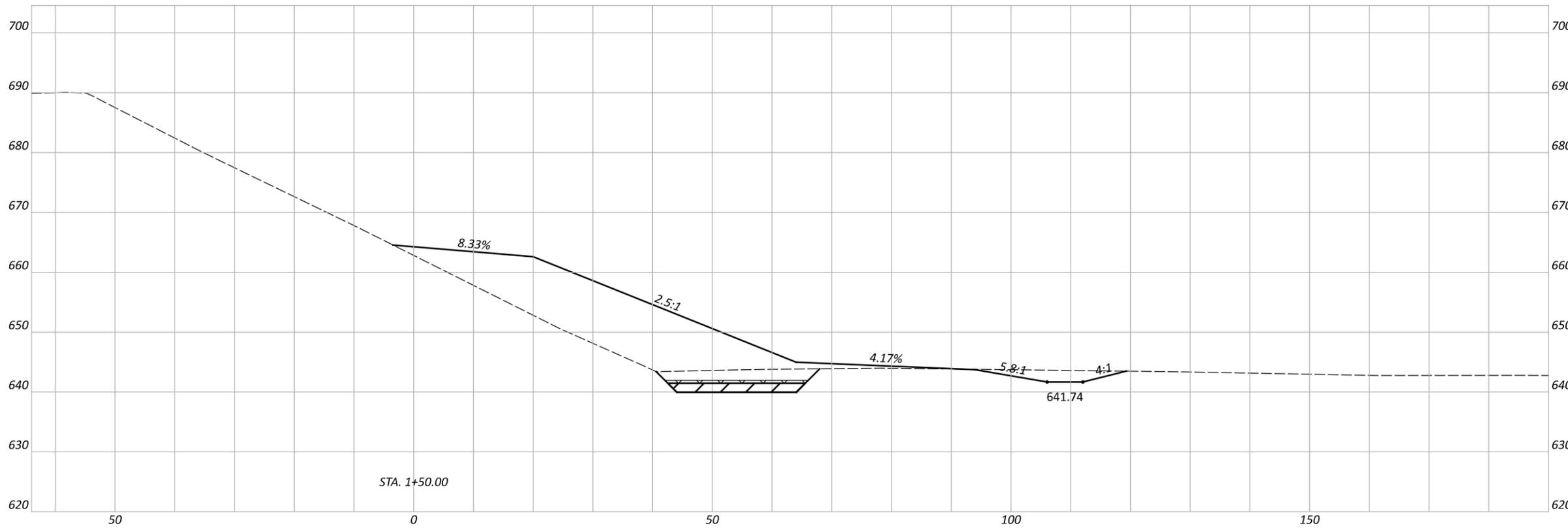
PROJECT ID  
115998

SHEET  
P.11

TOTAL  
15

LEGEND

-  6" ITEM 203 TYPE B GRANULAR
-  18" ITEM 203 TYPE D GRANULAR



CROSS SECTIONS  
 STA. 1+25 TO STA. 1+50

DESIGN AGENCY



DESIGNER  
 DAR

REVIEWER  
 DC 8-3-23

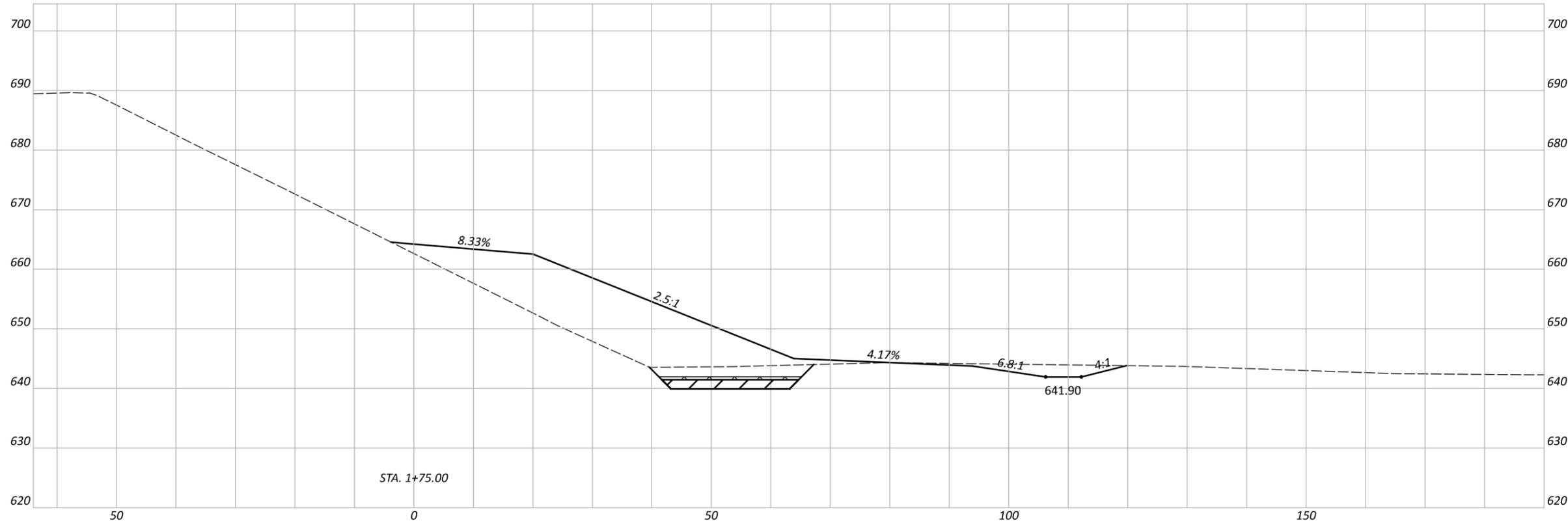
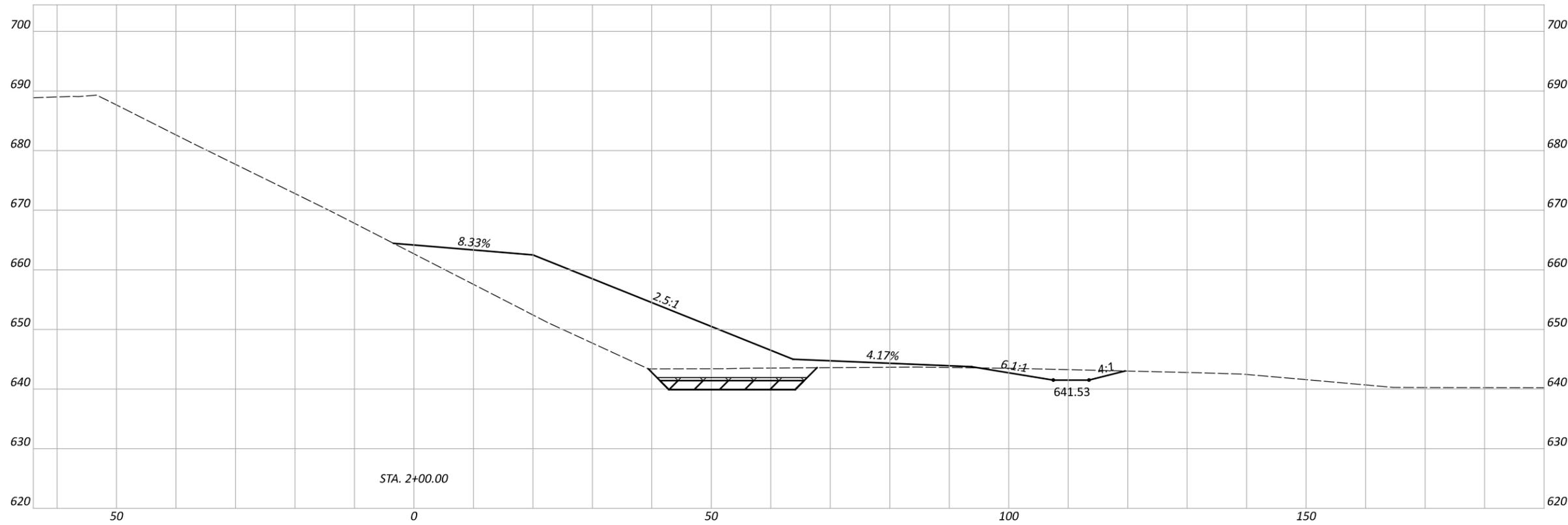
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SHEET  
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LEGEND

-  6" ITEM 203 TYPE B GRANULAR
-  18" ITEM 203 TYPE D GRANULAR



CROSS SECTIONS  
STA. 1+75 TO STA. 2+00

DESIGN AGENCY

DESIGNER DAR
REVIEWER DCWOO-475-0.39
PROJECT ID 115998
SHEET P.13
TOTAL SHEETS 15

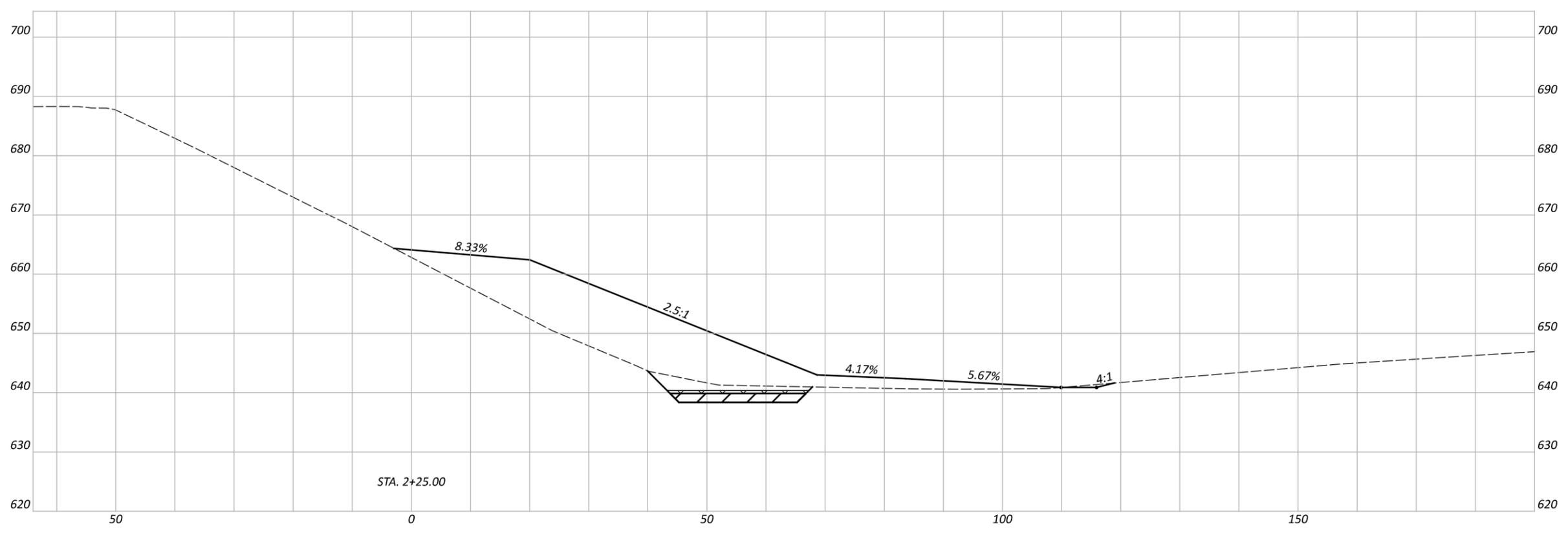
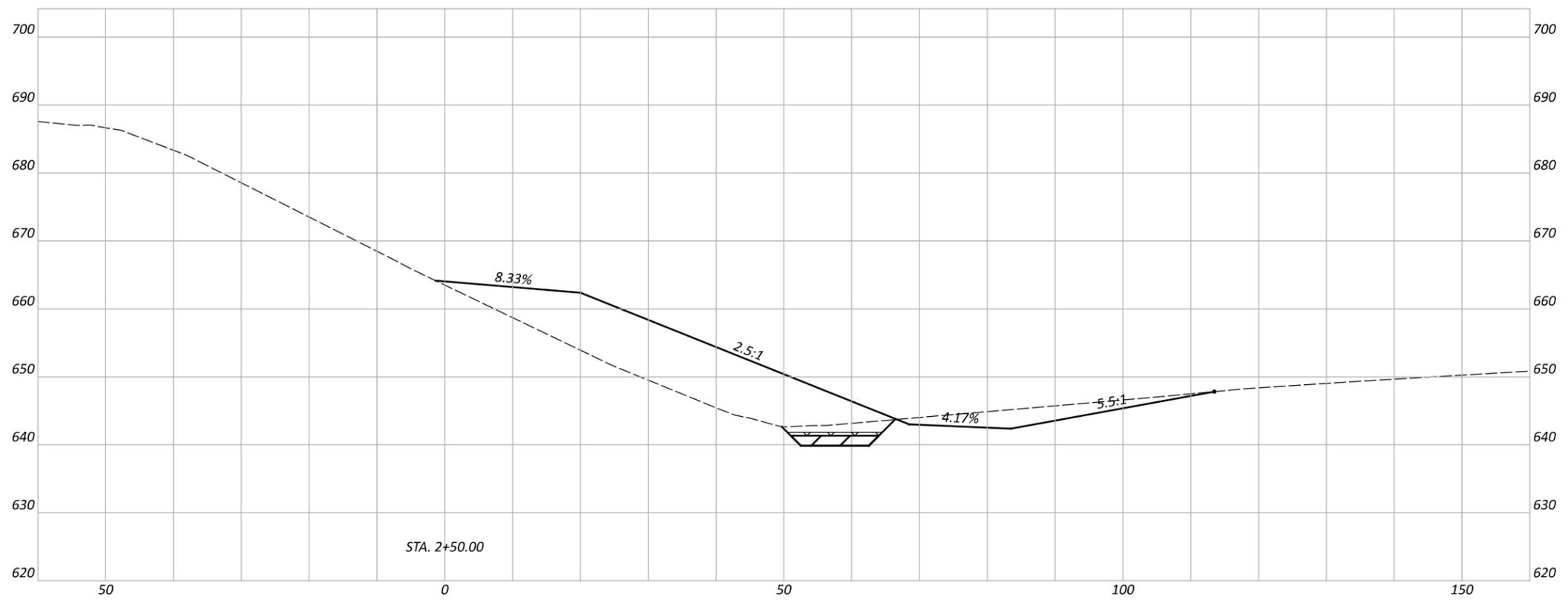
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LEGEND

 6" ITEM 203  
TYPE B GRANULAR

 18" ITEM 203  
TYPE D GRANULAR



CROSS SECTIONS  
STA. 2+25 TO STA. 2+50

DESIGN AGENCY



DESIGNER  
DAR

REVIEWER  
DC 8-3-23

PROJECT ID  
115998

SHEET  
P.14

15

