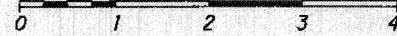


LOCATION MAP

LATITUDE: N40°35'05" LONGITUDE: W81°53'10"

SCALE IN MILES



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

DESIGN DESIGNATION

CURRENT ADT (2020)	-----	2,400
DESIGN YEAR ADT (2040)	-----	2,800
DESIGN HOURLY VOLUME (2040)	-----	350
DIRECTIONAL DISTRIBUTION	-----	56%
TRUCKS (24 HOUR B&C)	-----	7%
DESIGN SPEED	-----	55 MPH
LEGAL SPEED	-----	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
06-MAJOR COLLECTOR (RURAL)	-----	
NHS PROJECT	-----	NO

DESIGN EXCEPTIONS

NONE

**UNDERGROUND UTILITIES**  
 Contact Two Working Days  
 Before You Dig

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

PLAN PREPARED BY:  
 ODOT DISTRICT II  
 ENGINEERING DEPT.  
 NEW PHILADELPHIA, OH

ENGINEERS SEAL:

SIGNED: *Timothy Earl Stillion*  
 DATE: 6-1-2020

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	01/17/20	MT-101.70	1/17/20	800-2019	7/17/20
		MT-101.75	1/17/20		
DM-4.3	1/15/16	MT-101.90	7/21/17	832	10/19/18
DM-4.4	1/15/16	MT-105.10	1/17/20		
		TC-41.20	10/18/13		
		TC-42.20	10/18/13		
		TC-52.10	10/18/13		
		TC-52.20	7/20/18		
RM-4.2	4/17/20				
		TC-61.30	7/19/19		
MT-96.11	4/17/20	TC-65.10	1/17/14		
MT-96.20	7/15/16	TC-65.11	7/21/17		
MT-96.26	1/18/19				
MT-97.10	4/19/19				
MT-101.60	1/17/20				

ATTENTION  
 Contact the Ohio Department  
 of Transportation for current  
 Plans of Record

STATE OF OHIO  
 DEPARTMENT OF TRANSPORTATION  
**HOL-241-2.65**  
**PART 1**  
 HARDY TOWNSHIP  
 HOLMES COUNTY  
 FOR PART 2, SEE HOL-241-2.85

INDEX OF SHEETS:

TITLE SHEET	1
TYPICAL SECTION	2
GENERAL NOTES	3
MAINTENANCE OF TRAFFIC	4
GENERAL SUMMARY	5
PLAN AND PROFILE	6
CROSS SECTIONS	7-13
RIGHT OF WAY	14-18

PROJECT DESCRIPTION

HOL-241-2.65 OH-18-01 HOL-001  
 THE REPAIR OF 0.05 MILES ON S.R. 241 FOR AN ENCROACHMENT  
 SLIDE ALONG THE NORTHERN SLOPE

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A MAINTENANCE  
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A MAINTENANCE  
 NOTICE OF INTENT EARTH DISTURBED AREA: N/A MAINTENANCE

2019 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.

APPROVED: *Thomas R. Corey*  
 DATE: 6-2-2020 DISTRICT DEPUTY DIRECTOR

APPROVED: *Shelley M. ...*  
 DATE: 7/22/2020 DIRECTOR, DEPARTMENT OF  
 TRANSPORTATION

FEDERAL PROJECT NO.  
**E180629**

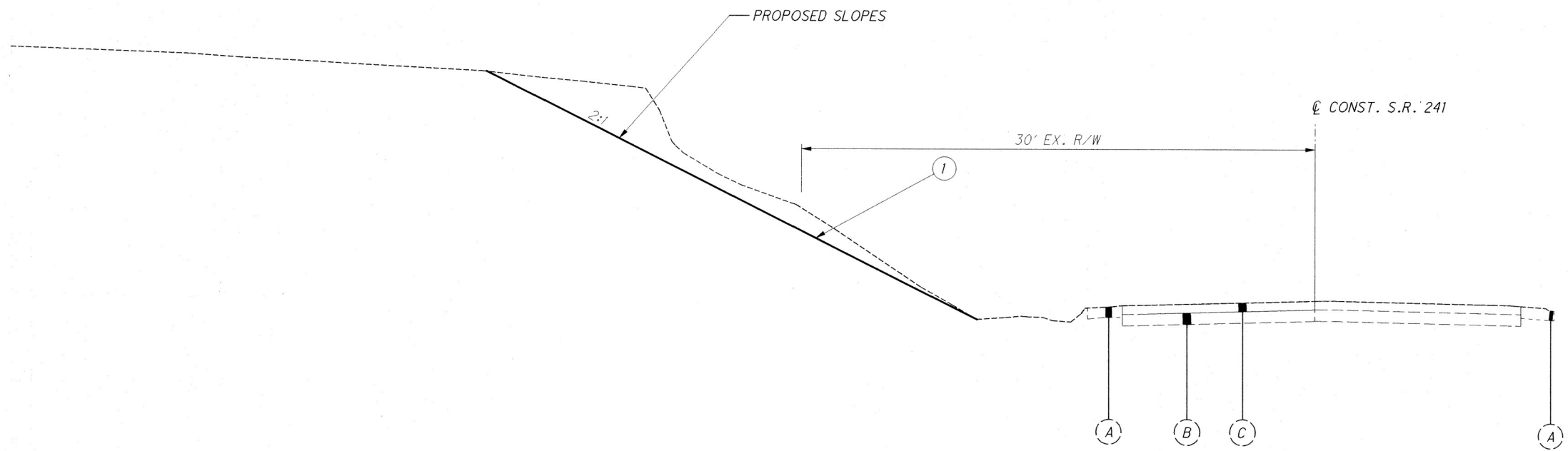
PID NO.  
**108406**

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT  
**NONE**

HOL-241-2.65  
**PART 1**

1  
 18



PROPOSED  
NORMAL TYPICAL SECTION  
STA. 141+25 TO STA. 144+00

LEGEND

- (1) ITEM 659 - SEEDING AND MULCHING
- (A) AGGREGATE SHOULDER
- (B) EXISTING AGGREGATE BASE
- (C) EXISTING PAVEMENT

**UTILITIES**

THERE ARE POTENTIAL CONFLICT WITHIN THE PROJECT LIMITS. THE CONTRACTOR AND ODOT ARE REQUIRED TO WORK WITH THE UTILITY(IES) TO MITIGATE IMPACTS TO THE PROJECT.

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

CENTURY CORPORATION  
ATTN: JEFFREY SCHOONOVER  
2025 AKRON ROAD  
WOOSTER, OHIO 44691  
330-262-1128

HOLMES-WAYNE ELECTRIC COOPERATIVE  
ATTN: TIM VICKERS  
6060 STATE ROUTE 83  
MILLERSBURG, OHIO 44654  
330-674-1055

NORTHEAST OHIO NATURAL GAS  
ATTN: MARK L. WETZEL  
9081 STATE ROUTE 250  
STRASBURG, OHIO 44680  
330-878-5589

DIVERSIFIED OIL AND GAS  
ATTN: JUSTIN WEAVER  
1026 COOKSON AVENUE SE  
NEW PHILADELPHIA, OHIO 44663  
724-323-5641

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.

**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.

**SURVEYING PARAMETERS**

SEE SHEET 6 FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING HORIZONTAL AND VERTICAL POSITIONING PARAMETERS FOR ALL SURVEYING

POSITIONING METHOD: ODOT VRS VRS  
MONUMENT TYPE: TYPE A

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD 88  
GEOID: GEOID 12B

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD 83 (2011)  
ELLIPSOID: GRS 1980  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE  
COMBINED SCALE FACTOR: 1.00006947505758  
ORIGIN OF COORDINATE SYSTEM: N 335359.059, E 2139151.632

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.

**FENCE REMOVED**

THE FENCE LOCATED ALONG THE LEFT SIDE SHALL BE REMOVED WITHIN THE WORK LIMITS FROM STATION 141+00 TO STATION 144+20.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 202, FENCE REMOVED      320 FT

**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	130 CU. YD.
659, REPAIR SEEDING AND MULCHING	58 SQ. YD.
659, COMMERCIAL FERTILIZER	0.16 TON
659, LIME	0.24 ACRES
659, WATER	10 MGAL.

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.

**FENCE LENGTHS**

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

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<b>GENERAL NOTES</b>	CALCULATED DAB CHECKED ANS
<b>HOL-241-2.65 PART 1</b>	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 10px;">3 18</span> </div>

**ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN**

MAINTAIN A MINIMUM OF 1 LANE OF TRAFFIC AT ALL TIMES DURING CONSTRUCTION USING FLAGGERS AS PER STANDARD DRAWING MT-97.10.

DRIVE ACCESS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

THE MAINTENANCE OF TRAFFIC SHALL BE IN CONFORMANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION; THE REFERENCED STANDARD CONSTRUCTION DRAWINGS INCLUDING DESIGNER NOTES; THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS); POLICY NO. 516-003(P) TRAFFIC MANAGEMENT IN WORK ZONES INTERSTATE AND OTHER FREEWAYS; ODOT LOCATION AND DESIGN MANUAL, VOLUME 1; ODOT TRAFFIC ENGINEERING MANUAL; AND ALL REQUIREMENTS DETAILED IN THESE PLANS.

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.

PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN.

**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.

**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 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 TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO OFFICE OF COMMUNICATIONS
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & 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.

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CALCULATED  
DAB  
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MAINTENANCE OF TRAFFIC GENERAL NOTES

HOL-241-2.65  
PART 1

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18

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	7	8	9	10	11	12	13				01/STR/OT	EXT	TOTAL					
<b>ROADWAY</b>																			
LS													LS	201	11000	LS	CLEARING AND GRUBBING		
320													320	202	75000	320	FT	FENCE REMOVED	
		44	66	186	167	101	109	20					693	203	10000	693	CY	EXCAVATION	
<b>EROSION CONTROL</b>																			
2													2	659	00100	2	EACH	SOIL ANALYSIS TEST	
130													130	659	00300	130	CY	TOPSOIL	
		119	175	229	229	195	175	44					1,166	659	10000	1,166	SY	SEEDING AND MULCHING	
58													58	659	14000	58	SY	REPAIR SEEDING AND MULCHING	
0.16													0.16	659	20000	0.16	TON	COMMERCIAL FERTILIZER	
0.24													0.24	659	31000	0.24	ACRE	LIME	
10													10	659	35000	10	MGAL	WATER	
													1,000	832	30000	1,000	EACH	EROSION CONTROL	
<b>MAINTENANCE OF TRAFFIC</b>																			
	5												5	616	10000	5	MGAL	WATER	
<b>INCIDENTALS</b>																			
	LS												LS	614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

**GENERAL SUMMARY**

**HOL-241-2.65  
PART 1**

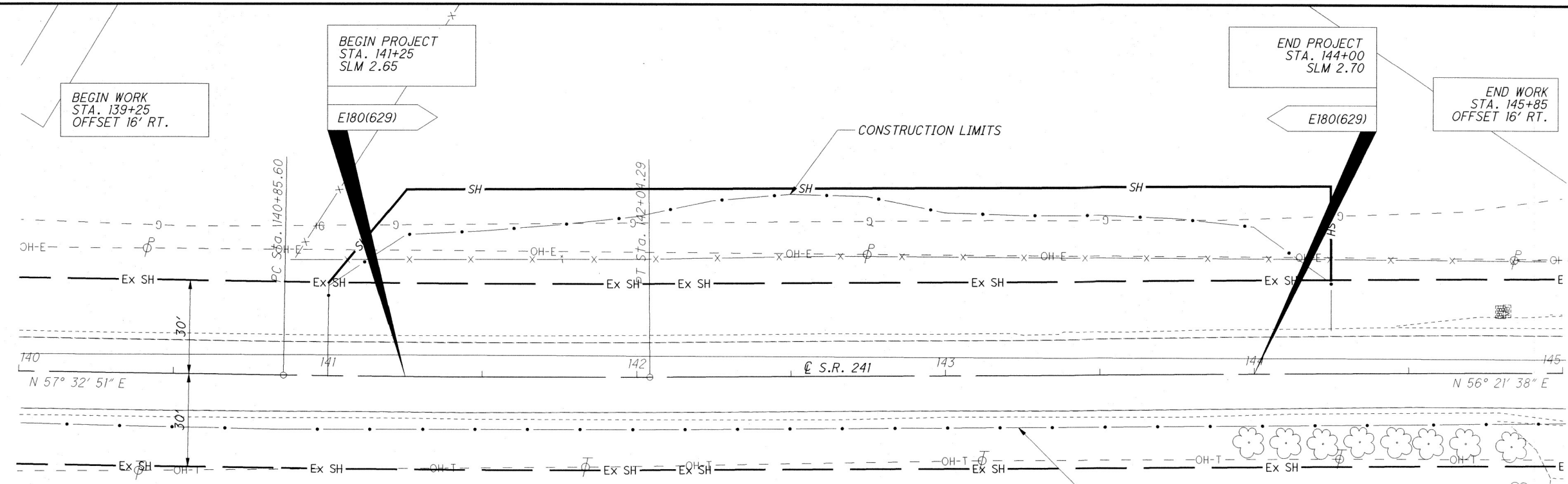


CALCULATED  
DAB  
CHECKED  
ANS

**PLAN AND PROFILE**  
**STA. 140+00 TO STA. 145+00**

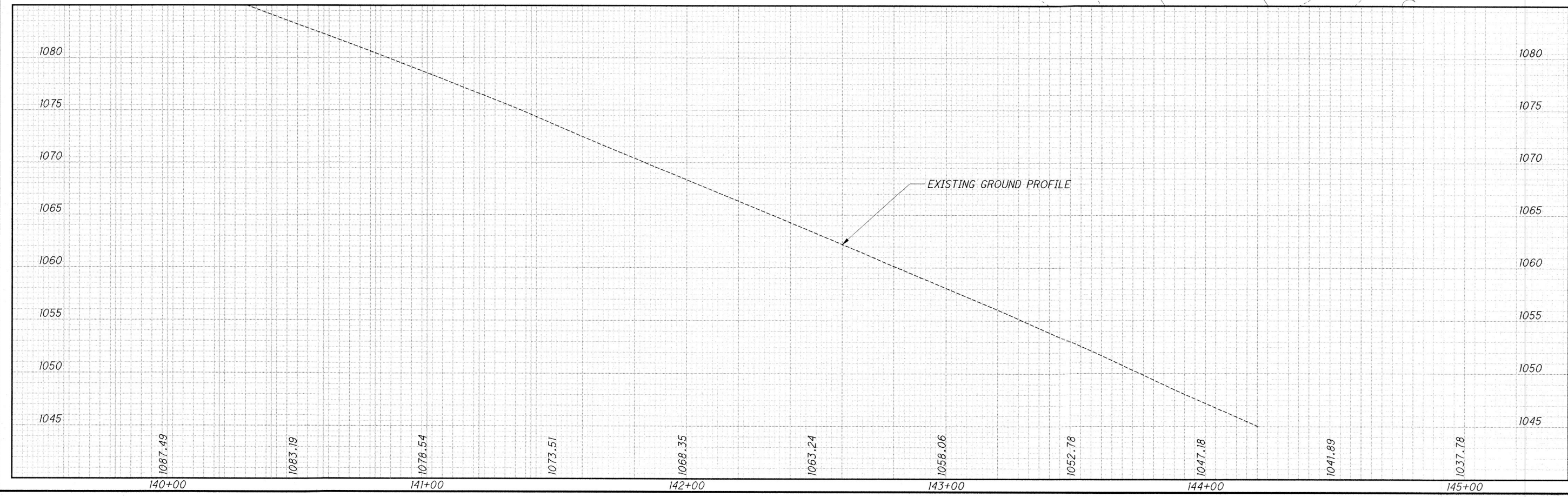
**HOL-241-2.65**  
**PART 1**

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18



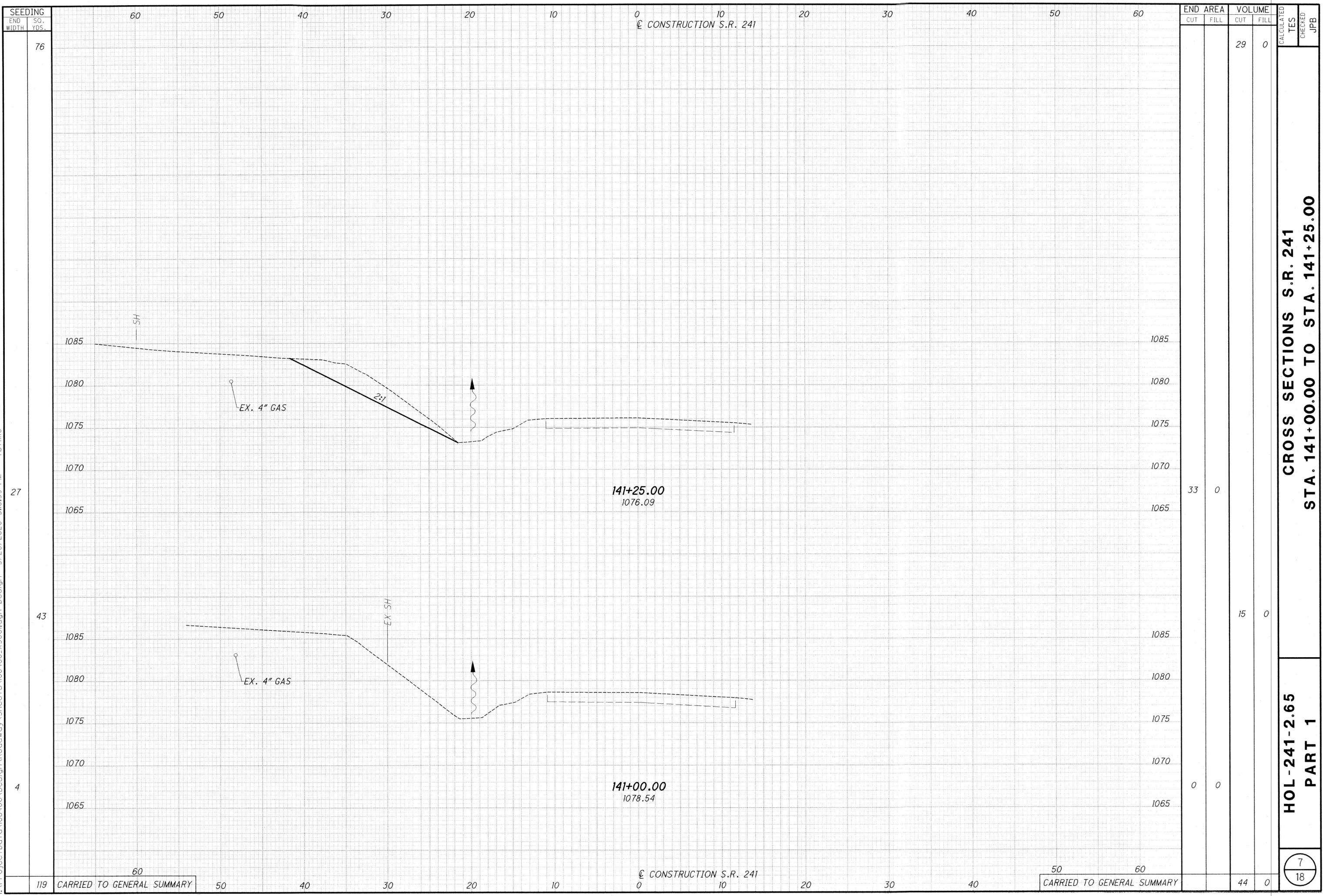
**CURVE DATA**  
 P.I. Sta. 141+44.95  
 $\Delta = 1^\circ 11' 13''$  (LT)  
 $D_c = 1^\circ 00' 00''$   
 $R = 5,729.58'$   
 $T = 59.35'$   
 $L = 118.69'$   
 $E = 0.31'$   
 $C = 118.69'$   
 C.B. =  $N 56^\circ 57' 14'' E$

HORIZONTAL CONTROL POINTS AND BENCHMARKS					
STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
139+80.20	-19.0787	334924.6706	2138426.0049	1088.3210	SIZE:5/8" NAME:ODOT
148+25.38	17.8404	335359.0593	2139151.6323	1026.5492	SIZE:5/8" NAME:ODOT
152+09.73	-20.8255	335604.1701	2139450.2033	1027.9980	SIZE:5/8" NAME:ODOT



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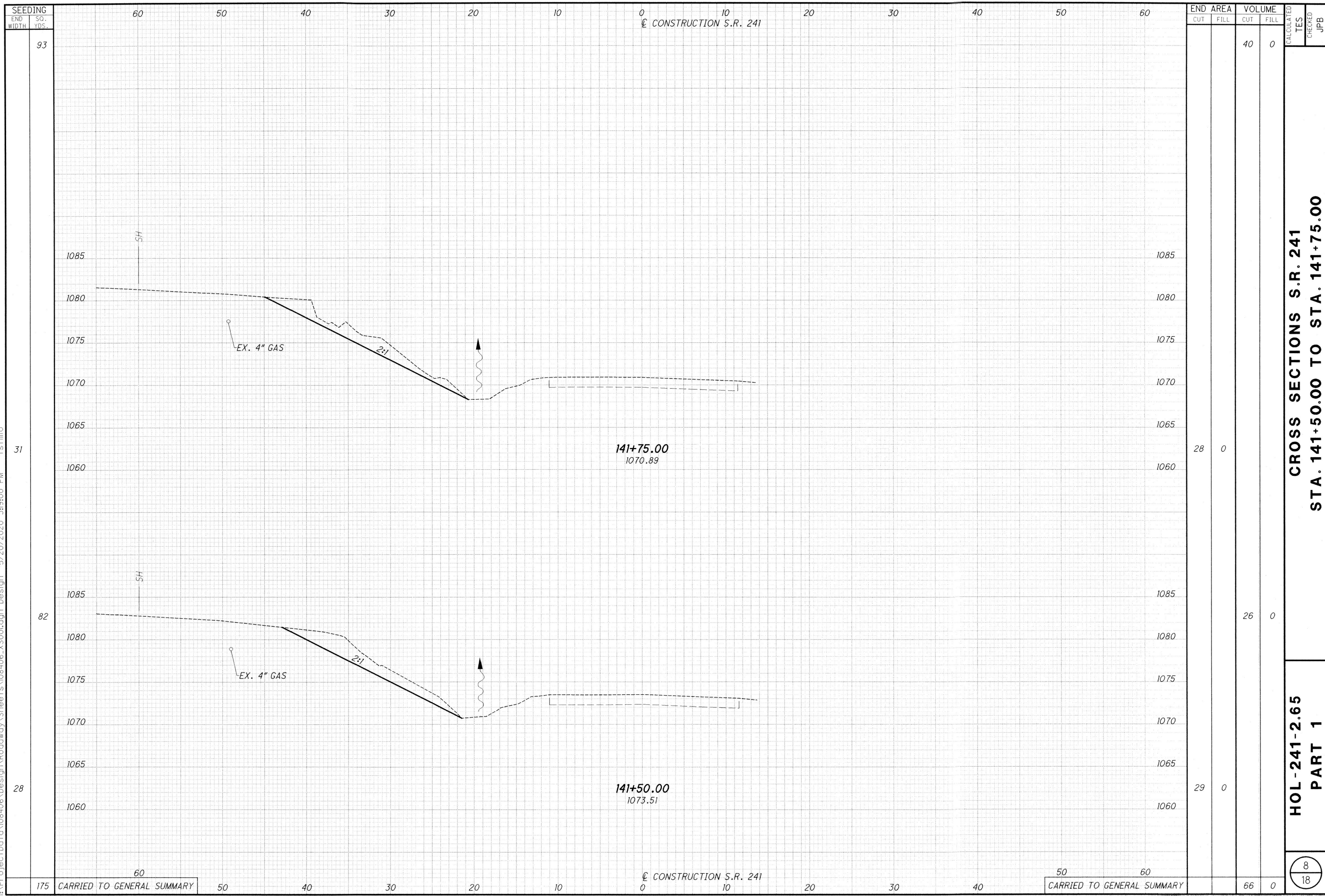


CROSS SECTIONS S.R. 241  
STA. 141+00.00 TO STA. 141+25.00

HOL-241-2.65  
PART 1

7  
18

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SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED TES	CHECKED JPB
		CUT	FILL	CUT	FILL		
93				40	0		
31				28	0		
82				26	0		
28				29	0		
175				66	0		

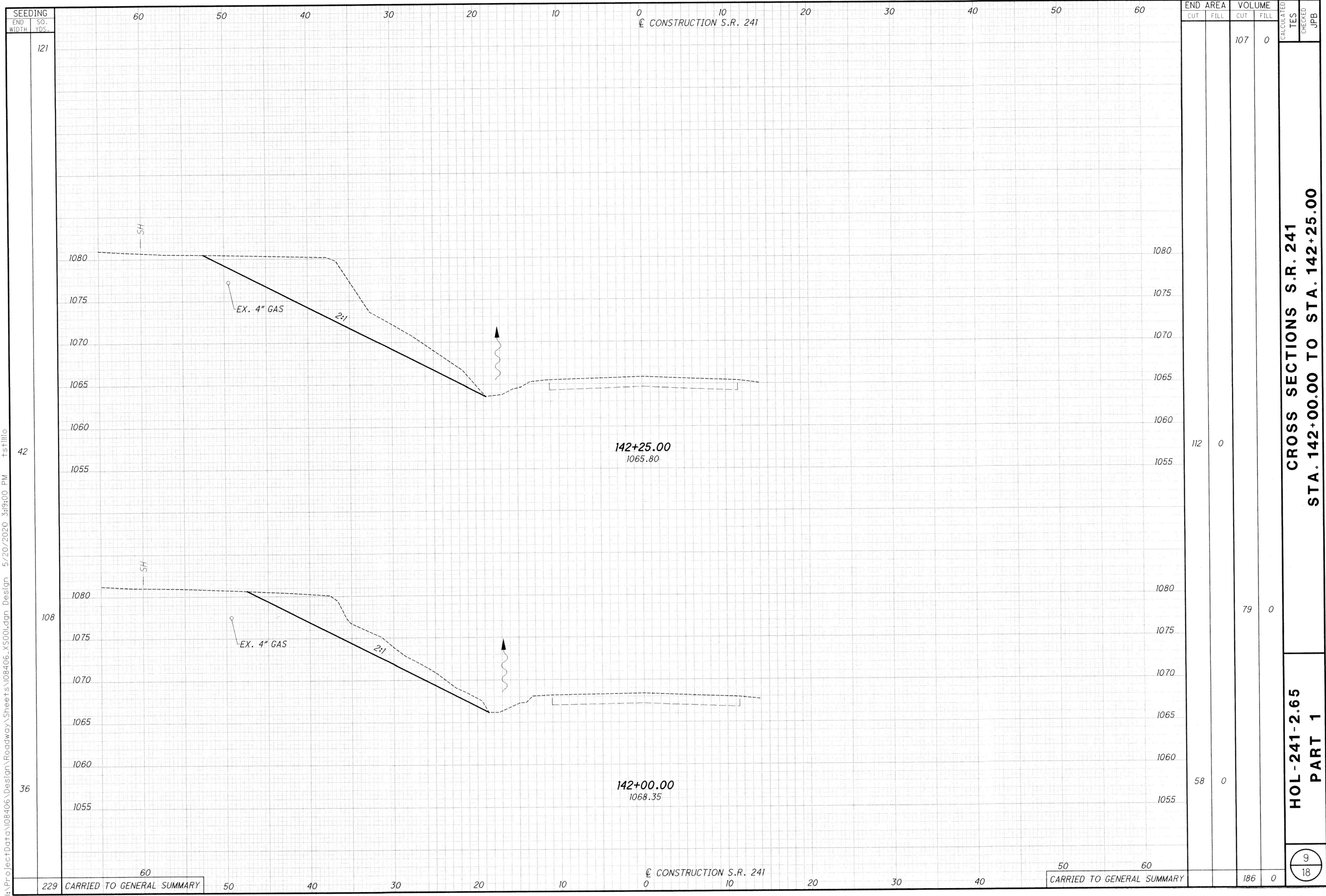
**CROSS SECTIONS S.R. 241  
STA. 141+50.00 TO STA. 141+75.00**

**HOL-241-2.65  
PART 1**

8  
18

60 50 40 30 20 10 0 CONSTRUCTION S.R. 241 0 10 20 30 40 50 60  
175 CARRIED TO GENERAL SUMMARY 50 40 30 20 10 0 CONSTRUCTION S.R. 241 0 10 20 30 40 50 60 CARRIED TO GENERAL SUMMARY





SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED TES	CHECKED JPB
		CUT	FILL	CUT	FILL		
121				107	0		
42		112	0				
108			79	0			
36		58	0				
229	60			186	0		

CROSS SECTIONS S.R. 241  
 STA. 142+00.00 TO STA. 142+25.00

HOL-241-2.65  
 PART 1

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 18

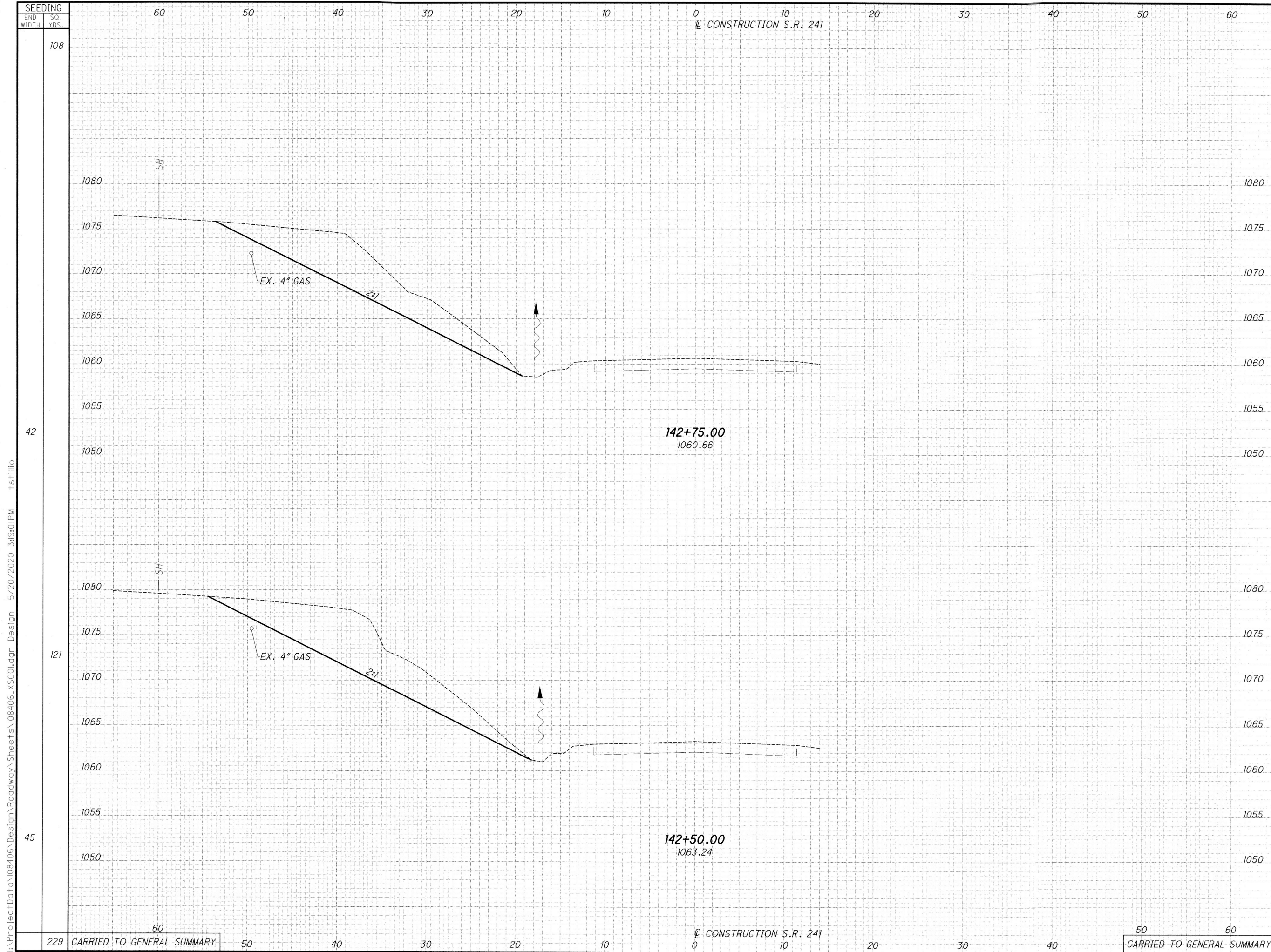
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CONSTRUCTION S.R. 241

CONSTRUCTION S.R. 241

CARRIED TO GENERAL SUMMARY

CARRIED TO GENERAL SUMMARY



CONSTRUCTION S.R. 241

142+75.00  
1060.66

142+50.00  
1063.24

CONSTRUCTION S.R. 241

SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED TES	CHECKED JPB
		CUT	FILL	CUT	FILL		
108				64	0		
42				104	0		
121				103	0		
45				119	0		
229				167	0		

CROSS SECTIONS S.R. 241  
STA. 142+50.00 TO STA. 142+75.00

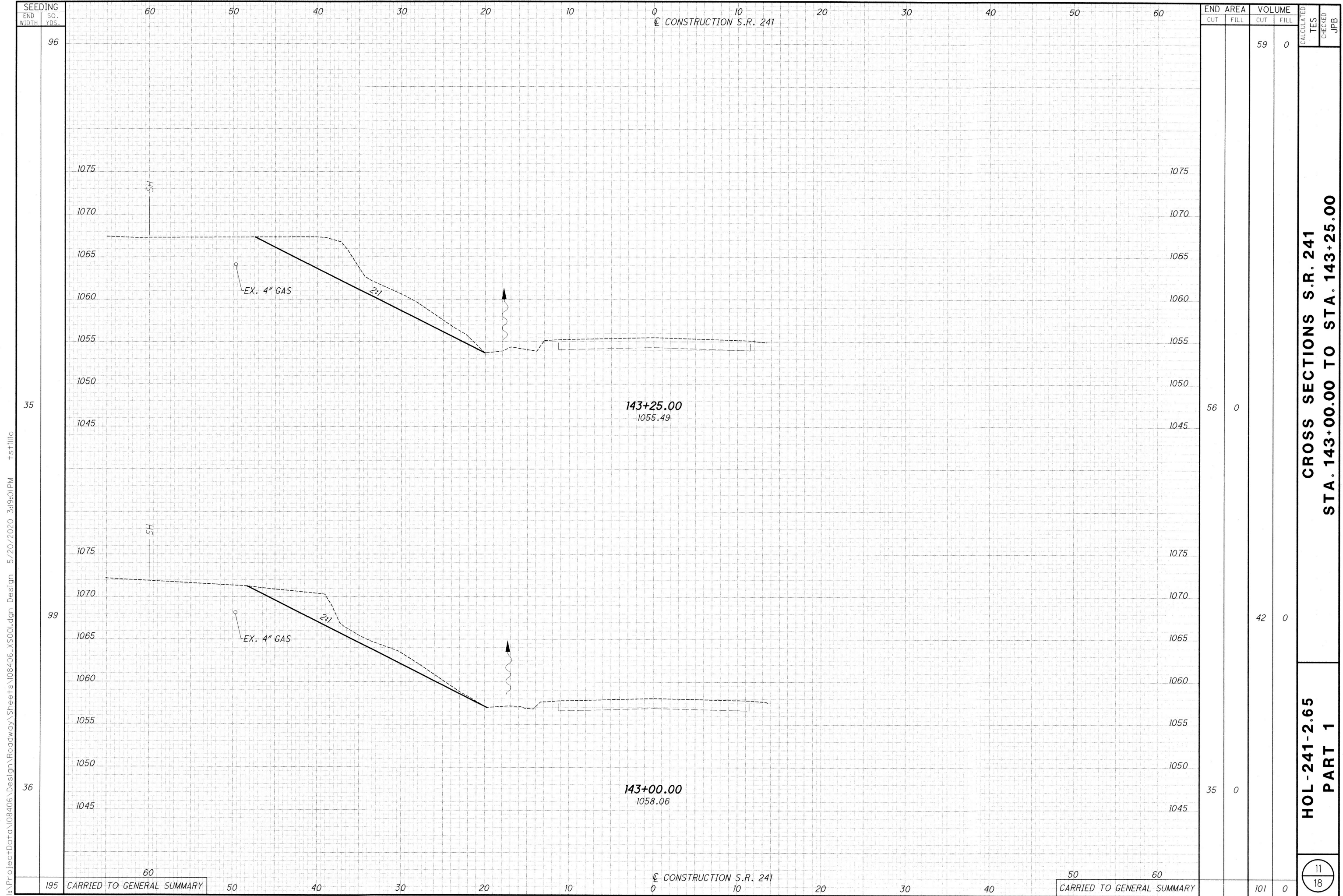
HOL-241-2.65  
PART 1

10  
18

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229 CARRIED TO GENERAL SUMMARY

50 60  
CARRIED TO GENERAL SUMMARY



CONSTRUCTION S.R. 241

143+25.00  
1055.49

143+00.00  
1058.06

CONSTRUCTION S.R. 241

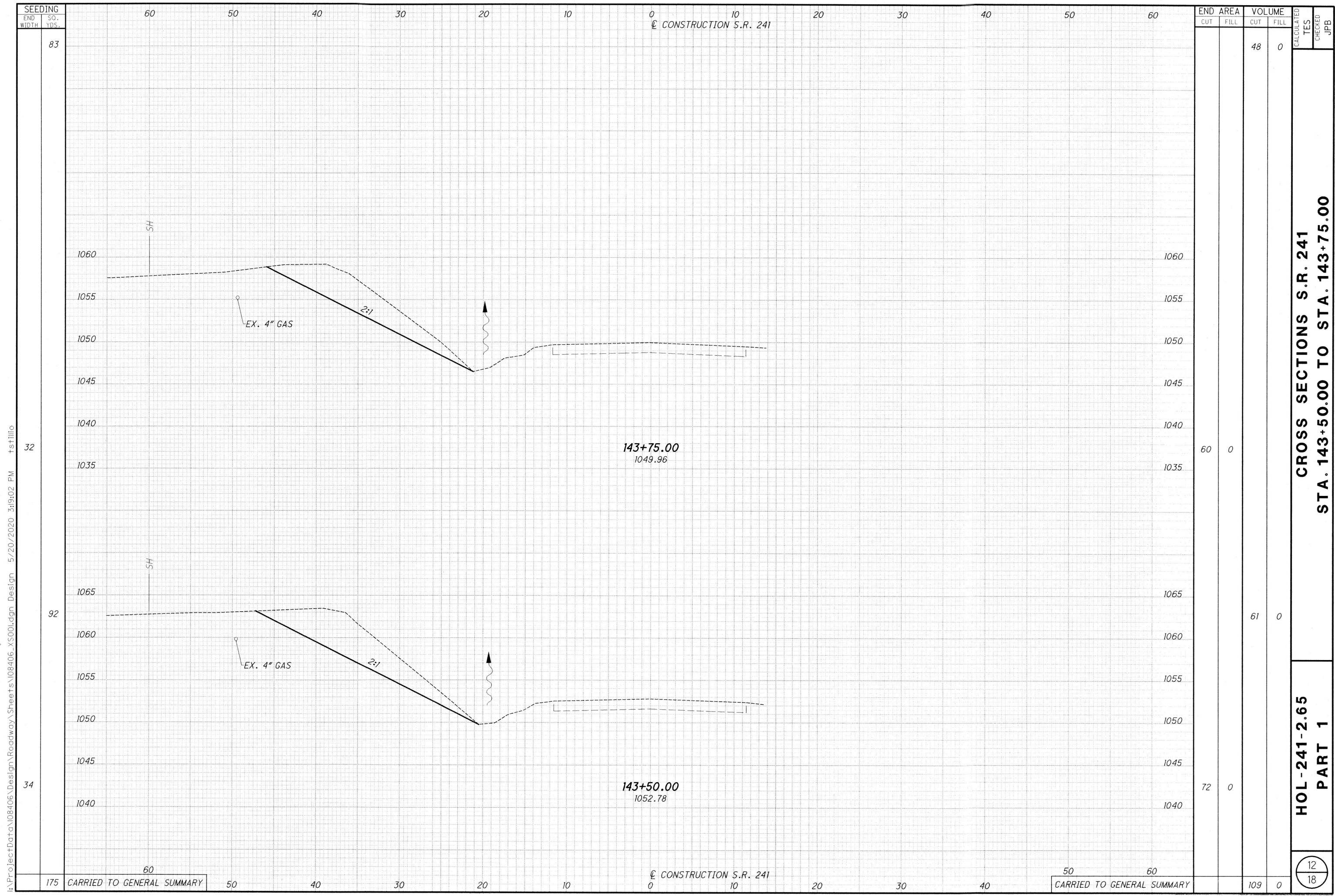
SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED TES	CHECKED JPB
		CUT	FILL	CUT	FILL		
96				59	0		
35		56	0				
36		35	0	42	0		
195				101	0		

CROSS SECTIONS S.R. 241  
STA. 143+00.00 TO STA. 143+25.00

HOL-241-2.65  
PART 1

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SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED TES	CHECKED JPB
		CUT	FILL	CUT	FILL		
83				48	0		
32		60	0				
92				61	0		
34		72	0				
175				109	0		

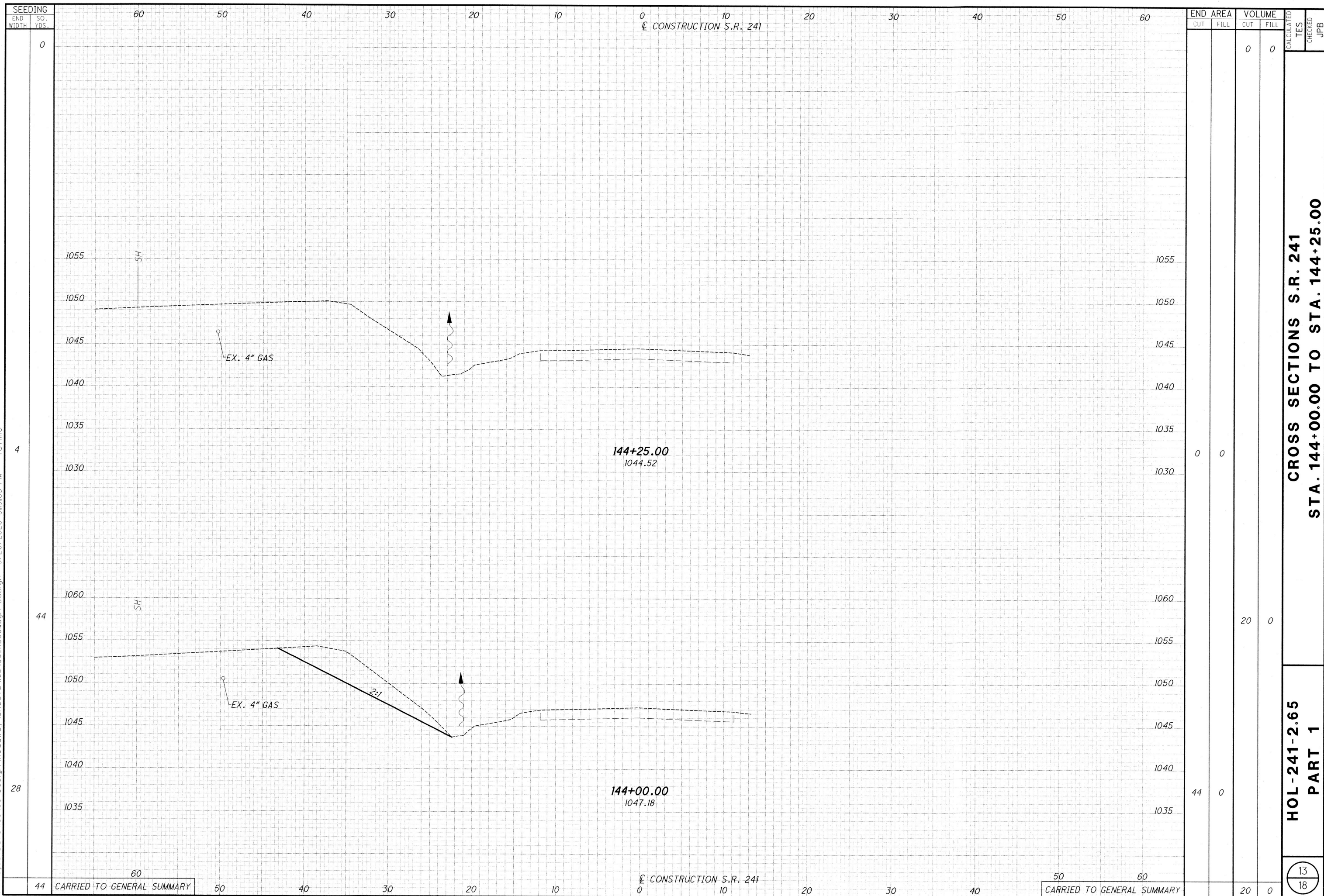
**CROSS SECTIONS S.R. 241  
 STA. 143+50.00 TO STA. 143+75.00**

**HOL-241-2.65  
 PART 1**

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 18

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SEEDING		END AREA		VOLUME		CALCULATED TES	CHECKED JPB
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		
0				0	0		
4				0	0		
44				20	0		
28		44	0				
44				20	0		

**CROSS SECTIONS S.R. 241  
STA. 144+00.00 TO STA. 144+25.00**

**HOL - 241-2.65  
PART 1**

13  
18