

WAR-71 Truck Stop

Geotechnical Engineering Report

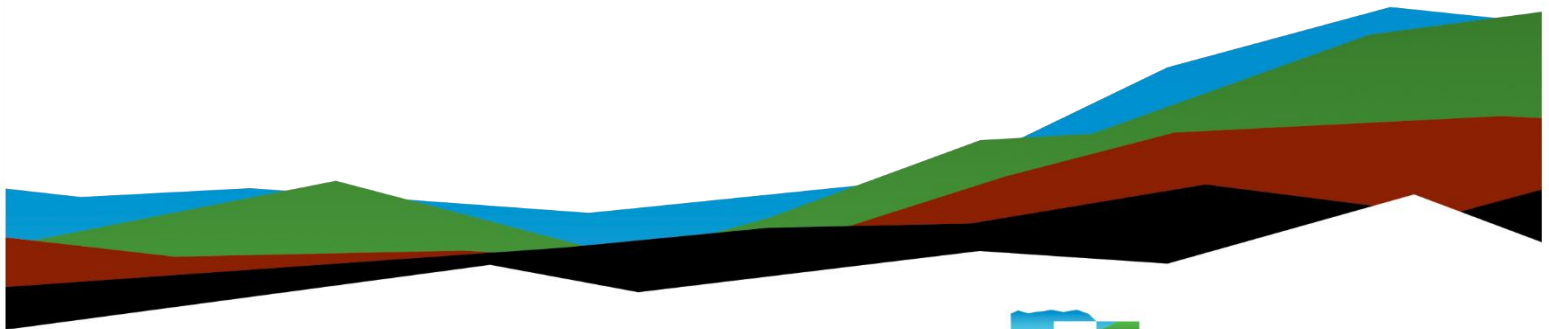
Lebanon, Ohio

ODOT PID No. 122865

July 6, 2026 | Terracon Project No. N1255001

Prepared for:

Woolpert, Inc.
4454 Idea Center Boulevard, Suite 100
Dayton, OH 45430



Nationwide
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
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July 6, 2026

Woolpert, Inc.
4454 Idea Center Boulevard, Suite 100
Dayton, OH 45430

Attn: Stefan Spinosa
P: (513) 571-5645
E: Stefan.Spinosa@woolpert.com

Re: Geotechnical Engineering Report
WAR-71 Truck Stop
Lebanon, Ohio
ODOT PID No. 122865
Terracon Project No. N1255001

Dear Mr. Spinosa:

We have completed the scope of Geotechnical Engineering services for the above-referenced project in general accordance with Terracon Proposal No. PN1255001 dated July 21, 2025. This report presents the findings of subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of pavement subgrade for the proposed truck stop project.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,
Terracon

A handwritten signature in blue ink, appearing to read "Munal Pandey".

Munal Pandey, P.E.
Project Engineer

A handwritten signature in blue ink, appearing to read "David W. Westendorf".

David W. Westendorf, P.E.
Principal/Senior Engineer



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- Site Location and Exploration Plans
- Exploration and Laboratory Results
- Supporting Information

Note: This report was originally delivered in a web-based format. **Blue Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks that direct the reader to that section, and clicking on the  logo will bring you back to this page. For more interactive features, please view your project online at client.terracon.com.

Refer to each individual Attachment for a listing of contents.

Executive Summary

For this geotechnical study, we performed 12 roadway borings for the proposed truck stop project around the existing rest area along I-71.

- The subsurface profile in the test borings consisted primarily of stiff to hard native cohesive soils of (A-4a, A-6a, A-6b, and A-7-6). Existing fill consisting of both cohesive and granular soil layers (A-7-6, A-1-a, and A-1-b) was encountered at Borings B-009-0-25 through B-012-0-25, located towards the eastern part of the existing northbound rest area. Interbedded shale and limestone bedrock was encountered at Borings B-003-0-25, B-006-0-25, and B-007-0-25 at a depth of 8.5 feet below the existing ground surface.
- Based on ODOT's guidance for determining CBR, an average CBR value of 5 is recommended for the pavement design. The recommended value assumes that the recommended subgrade stabilization/improvement is performed. The subgrade should be constructed following the current ODOT Construction and Materials Specifications (CMS).
- Based on the ODOT Subgrade Analysis Spreadsheet and input from ODOT, chemical stabilization with cement to a depth of 12 inches is considered as a preferred method for stabilization.
- Isolated deeper excavation and replacement to remediate soft or unsuitable soils at the subgrade should be anticipated as determined by the Project Engineer in the field.
- Terracon recommends that all earthwork and pavement subgrade construction be performed per the ODOT Construction and Materials Specifications (ODOT CMS)

Introduction

This report presents the results of our subsurface exploration and Geotechnical Engineering services performed for the proposed rest areas to be located around the existing rest area along WAR-71 in Lebanon, Ohio. The purpose of these services was to provide information and geotechnical engineering recommendations related to:

- Subsurface soil conditions
- Short-term groundwater conditions
- Site preparation and earthwork
- Pavement design and construction

The geotechnical engineering Scope of Services for this project included the advancement of seventeen (17) test borings, laboratory testing, engineering analysis, and preparation of this report.

Drawings showing the site and boring locations are shown on the [Site Location Plan](#) and [Exploration Plan](#), respectively. The results of the laboratory testing performed on select soil and rock samples obtained from the site during our field exploration are included on the boring logs and as separate graphs in the [Exploration Results](#) Section.

Geology and Observations

The project is located in the Illinoian Till Plain, which is generally characterized by rolling ground moraine of older till lacking ice-constructional features along with many buried valleys alternating between broad floodplains and bedrock gorges. According to USDA Soil Survey maps, the surficial soils at the site are primarily classified as Jonesboro-Rossmoyne Silt Loam, except for the southeastern corner, which is classified as Westboro-Schaffer Silt Loam. All these soil series consist of fine-silty soils formed in loess over underlying till on till plains. The Jonesboro-Rossmoyne series is moderately well-drained, while the Westboro-Schaffer Silt Loam is somewhat poorly-drained.

Based on mapping prepared by the Ohio Division of Geological Survey, the overburden soils are underlain by the Ordovician Age bedrock belonging to the Drakes, Whitewater, and Liberty formations, consisting of interbedded shale and limestone with some layers of dolomite. Bedrock topographic mapping indicated bedrock at elevations ranging between 900 and 950 feet MSL. Bedrock was encountered at a depth of 8.5 feet below the existing site grades at 3 of the 17 borings, which is consistent with this elevation range.

The site reconnaissance was performed by Terracon personnel on August 12, 2025. The existing rest area at the project site (both the northbound and southbound rest areas)

features asphalt parking lots designed for trucks and private vehicles, as well as visitor centers. The surrounding area where the additional truck parking spaces are being planned is primarily agricultural with open fields and wooded areas. The existing pavement appears to be in fair condition.

Exploration

A total of seventeen (17) test borings were performed by Terracon between August 20 to August 22, 2025. The ground surface elevations and coordinates were recorded by Terracon using an Emlid RX GPS unit.

The test borings were performed with a track-mounted drill rig that utilized continuous-flight hollow-stem augers to permit split-spoon sampling in overburden soils. Drilling and sampling procedures were performed in general accordance with the ODOT SGE. The average drill rig energy ratio (ER) for the CME-55 track-mounted drill rig was 88.8 percent (calibration date 12/06/2024).

Groundwater levels were observed during drilling and immediately at the completion of the drilling activities at each test boring location. Groundwater was encountered in the Boring B-006-0-25 and B-011-0-25 during and at completion of drilling activities and no long-term (24-hour) water level readings were obtained at the test boring locations. Upon completion of the drilling activities and following water level observations, the boreholes were backfilled with auger cuttings mixed with bentonite chips per SGE requirements.

The test boring logs were classified by the field geotechnical engineer based on the drill foreman's field notes, visual examination of the recovered samples, and the results of the laboratory tests.

Findings

Subsurface Profile

The subsurface profile in the test borings consisted primarily of stiff to hard native cohesive soils of (A-4a, A-6a, A-6b, and A-7-6). Existing fill consisting of both cohesive and granular soil layers (A-7-6, A-1-a, and A-1-b) was encountered at Borings B-009-0-25 through B-012-0-25, located towards the eastern part of the existing northbound rest area. Interbedded shale and limestone bedrock was encountered at Borings B-003-0-25, B-006-0-25, and B-007-0-25 at a depth of 8.5 feet below the existing ground surface.

Conditions encountered at each boring location are indicated in the individual boring logs shown in the [Exploration Results](#) section and are attached to this report. Stratification

boundaries on the boring logs represent the approximate location of changes in native soil types; in situ, the transition between materials may be gradual.

Groundwater Conditions

The boreholes were observed while drilling and after completion for the presence and level of groundwater. Groundwater was encountered at depths ranging from 5 to 8.5 feet below the existing site grades at two test borings (B-006-0-25 and B-011-0-25) during the observations. Groundwater not encountered in the remaining boring does not necessarily indicate the absence of groundwater seepage in the glacial till zone. Glacial till is a geologic material deposited directly by glacial ice, consisting of a heterogeneous mix of clay, silt, sand, gravel, and boulders. Due to its unsorted nature, the permeability of glacial till can vary significantly depending on its composition. In areas where the till is predominantly fine-grained (such as clay or silt), water seepage is generally limited due to low permeability, and the material may act as a barrier to groundwater flow. However, in zones where the till contains coarser materials like sand or gravel, localized seepage and groundwater movement can occur more readily. Additionally, groundwater may be present in permeable lenses within the till or along fractures and interfaces with underlying bedrock or overlying soils. Perched groundwater and seepage are often encountered at the existing fill/native soil interface or within the glacial till profile.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff, and other factors not evident at the time the borings were performed.

Groundwater levels during construction and at other times in the life of the pavement may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations or perched water should be considered when developing the design and construction plans for the project.

Analyses and Recommendations

Site Preparation and Earthwork

Prior to placing any new fill, all vegetation, topsoil, existing pavement, and any otherwise unsuitable material should be removed from the construction areas. Wet or dry material should either be removed or moisture-conditioned and recompacted. Soft, low-density soil should be removed or compacted in place prior to placing fill.

We recommend that all earthwork be performed per the ODOT Construction and Materials Specifications (ODOT CMS). Generally, the on-site soils appear suitable for re-use as fill following proper moisture conditioning. Some undercutting and removal of unsuitable soils should be anticipated, particularly where exposed near the subgrade.

In addition, the proposed truck stop will receive a sliver fill in some areas. In these sliver fill areas, special benching will be required prior to the placement of new fill on an existing slope that is steeper than 4H:1V. The temporary cut slope should be 1H:1V or flatter, and the new fill should be wide enough to accommodate the compaction equipment (≥ 8 feet). When the existing slope is steeper than the proposed slope, the upper benches may need to be cut further into the existing slope than the lower benches in order to maintain the minimum 8-foot width at the top of each bench. The final designed slope, after reconstruction with unreinforced compacted engineered fill, should never be steeper than 2H:1V.

Pavement Subgrade

The test borings performed for this study encountered topsoil ranging from approximately 1 to 10 inches in thickness, underlain primarily by native cohesive soils with granular/cohesive fill soils at 4 of the 17 test borings. Based on visual classification and laboratory testing, the subgrade soils at or near the anticipated subgrade elevation are generally classified as A-1-a, A-1-b, A-4a, A-6a, A-6b, and A-7-6. Moisture contents of these soils ranged from 1% to 28%, with an average of 19%, and plasticity indices ranged from 5 to 30, averaging 22. The N_{60} values for the anticipated subgrade soils ranged from 7 to 22 blows per foot, with an average of 13 bpf. These values are tabulated in the Subgrade Analysis Spreadsheet included in the [Supporting Information](#) section. Please note that the analyses performed for both northbound and southbound areas gave the same recommendations; hence, the analyses have been combined and presented together in this report.

Laboratory CBR testing was not performed; however, based on ODOT guidance and the Group Index method outlined in Table 600-2 of the GDM, the average Group Index of 13 corresponds to a design CBR of 5. This value assumes that the recommended subgrade stabilization is implemented. Sulfate testing was performed on the top samples from each boring, and all results were below detectable limits (< 100 ppm), confirming that chemical stabilization is permissible under current ODOT standards.

ODOT recognizes two primary methods for subgrade stabilization: chemical stabilization and excavate-and-replace. Based on the Subgrade Analysis Spreadsheet and field/lab data, 8 of the 17 boring locations (58%) require stabilization. Per GDM guidance, when 30% or more of the subgrade requires treatment, global stabilization should be considered. Therefore, global stabilization is recommended for this project.

Chemical stabilization with lime to a depth of 12 inches may be considered for soils with a PI of greater than 20, such as A-6b, and A-7-6. For soils with lower PI values, such as A-6a, A-4a, A-1-a, and A-1-b, cement stabilization may be more appropriate. Chemical stabilization is not recommended for soils with $N_{60L} < 4$ or sulfate content $> 5,000$ ppm. If excavation and replacement are preferred due to shallow utilities, phasing, or other reasons, the top 12 inches of subgrade should be removed and replaced with granular

material (Item 204), underlain by geotextile fabric. Actual depths and limits will be determined in the field by the Project Engineer based on proof rolling. Based on the input from ODOT, global stabilization with cement to a depth of 12 inches is considered as a preferred method of stabilization, mainly due to the high silt content of the subgrade soils and the versatility of cement to stabilize both high and low plasticity soils.

Proof rolling should be performed after stabilization to verify subgrade stability. For global stabilization, no proof or test rolling should occur prior to treatment. For spot stabilization, proof rolling is required both before and after stabilization. Adjustments to the stabilization limits based on field conditions are the responsibility of the Project Engineer.

Along with the pay items for chemical stabilization and the chemical, provide the following additional pay items for chemical stabilization:

- Item 206 Chemical Stabilization
- Item 206 Curing Coat
- Item 204 Proof Rolling

General Comments

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until, during, or after construction. Terracon should be retained as the Geotechnical Engineer, as noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials, or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices, with no third-party beneficiaries intended. Any third-party access to services or correspondence is

solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance on the information provided by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator, as there may be variations on the site that are not apparent in the data that could significantly affect excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety and cost estimating, including excavation support and dewatering requirements/design, are the responsibility of others. Construction and site development have the potential to affect adjacent properties. Such impacts can include damage due to vibration, modification of groundwater/surface water flow during construction, and foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties is commonly associated with contractor means and methods and is not addressed in this report. The Owner and Contractor should consider a preconstruction/precondition survey of the surrounding development. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

Attachments

Site Location and Exploration Plans

Contents:

Site Location Plan

Exploration Plan

Note: All attachments are one page unless noted above.

Site Location Plan

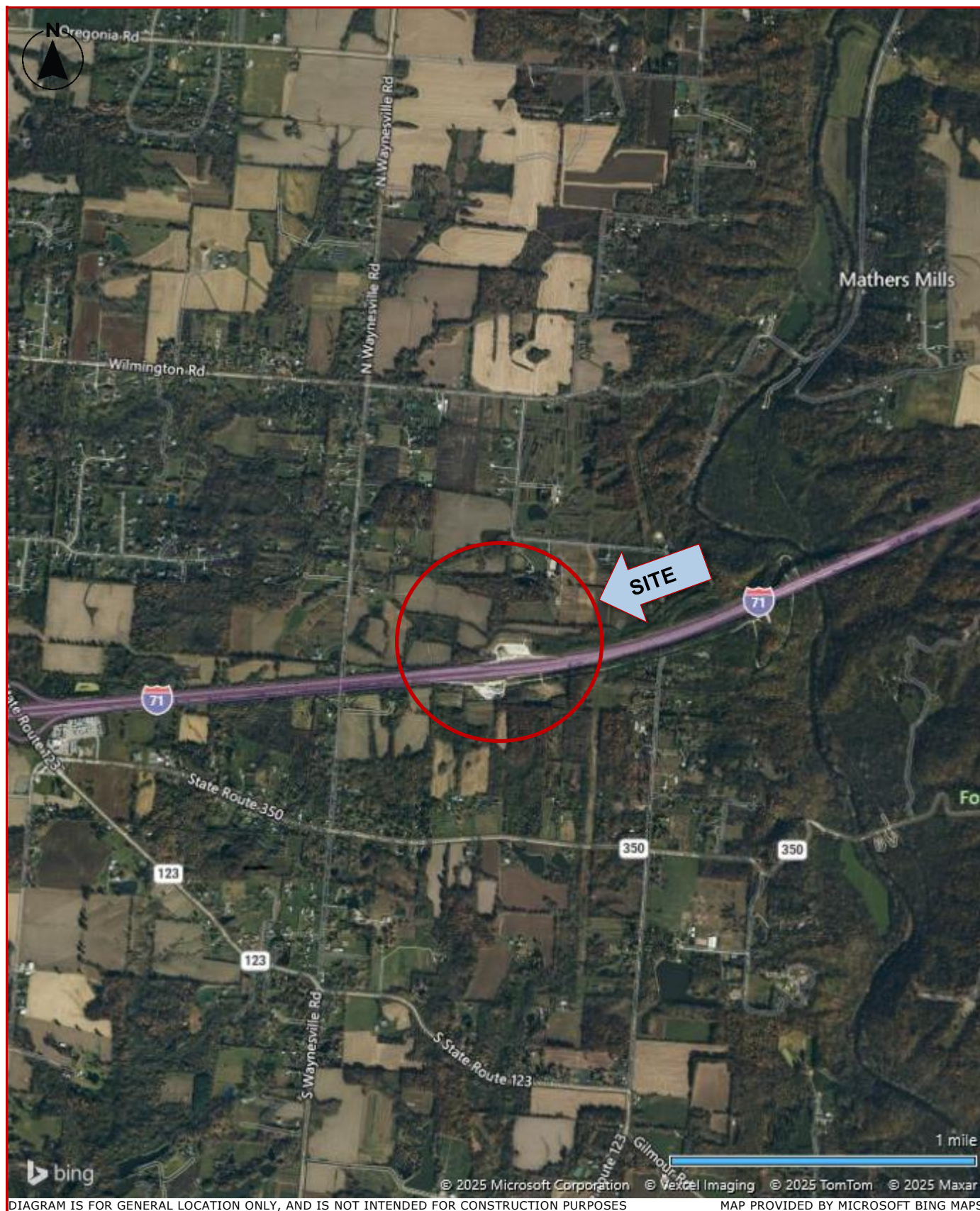


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS

Exploration Plan



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS

Exploration and Laboratory Results

Contents:

Boring Logs (B-001-0-25 through B-017-0-25)
Atterberg Limit Results (2 pages)
Grain Size Distributions (8 pages)
Soluble Sulfate Testing

Note: All attachments are one page unless noted above.

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\IMPADEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 210+48, 2'		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-001-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 931.7 (MSL) EOB: 10.0 ft.		PAGE													
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.418400, -84.126296		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			931.7								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (4 INCHES)			931.4																		
VERY STIFF TO HARD, BROWN AND GRAY, CLAY, AND SILT, TRACE TO LITTLE SAND, MOIST				1	3																
				2	4 5	13	72	SS-1	4.50	0	2	4	50	44	50	20	30	22	A-7-6 (18)		
				3																	
				4	4 6 5	16	94	SS-2	4.50	0	3	13	38	46	47	18	29	21	A-7-6 (17)		
				5																	
VERY STIFF, BROWN AND GRAY, SILTY CLAY, SOME SAND, TRACE GRAVEL, DAMP				6	4																
				7	7 8	22	94	SS-3	4.50	-	-	-	-	-	-	-	-	23	A-7-6 (V)		
				8																	
				9	3 5	18	100	SS-4	3.00	-	-	-	-	-	-	-	-	16	A-6b (V)		
				10																	
			923.2																		
			921.7	EOB																	
NOTES: NONE																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 206+94, 28' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-002-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 941.4 (MSL) EOB: 10.0 ft.		PAGE													
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.418164, -84.125126		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			941.4								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (2 INCHES)			941.2																		
VERY STIFF TO HARD, BROWN AND GRAY, CLAY, AND SILT, TRACE SAND, MOIST				1		3															
				2		4	13	83	SS-1	4.25	0	1	3	59	37	45	22	23	24	A-7-6 (14)	
				3																	
				4		4															
				5		5	19	100	SS-2	3.75	-	-	-	-	-	-	-	-	19	A-7-6 (V)	
				6																	
VERY STIFF TO HARD, BROWN, SILTY CLAY, SOME SAND, TRACE GRAVEL, MOIST			935.4	7		4	19	100	SS-3	2.25	1	5	19	39	36	36	15	21	19	A-6b (12)	
				8																	
				9		4															
			931.4	10		7	24	100	SS-4	4.50	-	-	-	-	-	-	-	-	25	A-6b (V)	
				EOB		9															
NOTES: DRY CAVE-IN OBSERVED AT A DEPTH OF 7.8 FEET																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT GDT - 7/2/26 11:23 - C:\USERS\IMPADEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 203+26, 25' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-003-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 953.3 (MSL) EOB: 9.4 ft.		PAGE													
START: 8/22/25 END: 8/22/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.417854, -84.124031		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			953.3								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (4 INCHES)			953.0																		
VERY STIFF TO HARD, BROWN WITH GRAY, CLAY, AND SILT, SOME SAND, TRACE GRAVEL, DAMP				1	5																
				2	6 7	19	83	SS-1	4.50	2	5	16	36	41	42	19	23	15	A-7-6 (14)		
				3																	
				4	5 6 7	19	78	SS-2	4.50	-	-	-	-	-	-	-	-	18	A-7-6 (V)		
				5																	
				6	6 7 12	28	67	SS-3	4.50	6	1	8	34	51	41	20	21	20	A-7-6 (13)		
				7																	
				8																	
				9	29 50/5"	-	100	SS-4	-	-	-	-	-	-	-	-	-	1	Rock (V)		
SHALE WITH INTERBEDDED LIMESTONE, BROWNISH GRAY, HIGHLY WEATHERED, VERY WEAK.			944.8	TR																	
			943.9	EOB																	
NOTES: DRY CAVE-IN OBSERVED AT A DEPTH OF 6.4 FEET																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 212+89, 12' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-004-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 933.0 (MSL) EOB: 10.0 ft.		PAGE													
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.417770, -84.126486		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			933.0								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (1 INCH)			932.9																		
VERY STIFF, BROWN AND GRAY, SILTY CLAY, TRACE SAND, DAMP				1		3															
				2		5	15	89	SS-1	4.00	0	1	3	67	29	39	22	17	20	A-6b (11)	
				3		5															
			929.5																		
VERY STIFF TO HARD, BROWN WITH GRAY, CLAY, AND SILT, SOME SAND, TRACE GRAVEL, DAMP TO MOIST				4		3	16	100	SS-2	2.50	1	6	18	38	37	45	19	26	21	A-7-6 (15)	
				5		6															
				6		6															
				7		6	24	100	SS-3	4.50	-	-	-	-	-	-	-	-	17	A-7-6 (V)	
				8		10															
			924.5																		
VERY STIFF, LIGHT BROWN, SILTY CLAY, SOME SAND, TRACE GRAVEL, DAMP				9		2															
				10		3	13	100	SS-4	4.00	-	-	-	-	-	-	-	-	15	A-6b (V)	
			923.0	EOB		6															
NOTES: DRY CAVE-IN OBSERVED AT A DEPTH OF 7.1 FEET																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 217+11, 110' LT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-005-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 944.7 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.417545, -84.125294		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			944.7								GR	CS	FS	SI	CL	LL	PL	PI	WC			
TOPSOIL (3 INCHES)			944.5																			
VERY STIFF, BROWN, CLAY, AND SILT, TRACE SAND, DAMP				1		4																
				2		5	15	100	SS-1	4.00	0	4	6	55	35	41	21	20	17	A-7-6 (12)		
				3																		
			941.2	4		5																
VERY STIFF TO HARD, BROWN, SILTY CLAY, LITTLE SAND, TRACE GRAVEL, DAMP TO MOIST				5		7	24	78	SS-2	3.25	1	3	11	42	43	39	16	23	18	A-6b (13)		
				6																		
				7		3	10	72	SS-3	4.00	-	-	-	-	-	-	-	-	21	A-6b (V)		
				8		4																
				9		6	24	72	SS-4	4.50	-	-	-	-	-	-	-	-	12	A-6b (V)		
			934.7	EOB		10	10															
NOTES: DRY CAVE-IN OBSERVED AT A DEPTH OF 7.1 FEET																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 219+98, 32' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-006-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 948.0 (MSL) EOB: 9.4 ft.		PAGE													
START: 8/22/25 END: 8/22/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.417128, -84.124390		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			948.0								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (4 INCHES)			947.7																		
VERY STIFF, BROWN, CLAY, AND SILT, DAMP				1		3															
				2		4	13	89	SS-1	3.25	0	0	1	61	38	52	25	27	24	A-7-6 (17)	
				3		5															
			944.5	4		2															
STIFF TO VERY STIFF, BROWN AND GRAY, SILTY CLAY, LITTLE SAND, MOIST				5		3	12	94	SS-2	4.75	0	3	9	54	34	34	17	17	24	A-6b (11)	
				6																	
				7		3															
				8		5	24	89	SS-3	2.00	-	-	-	-	-	-	-	-	20	A-6b (V)	
				9		11															
			939.5	W 239.5																	
SHALE WITH INTERBEDDED LIMESTONE, BROWNISH GRAY, HIGHLY WEATHERED, VERY WEAK.			938.6	EOB		44															
						50/5"	-	100	SS-4	-	-	-	-	-	-	-	-	-	7	Rock (V)	
NOTES: DRY CAVE-IN OBSERVED AT A DEPTH OF 7.8 FEET																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT GDT - 7/2/26 11:23 - C:\USERS\IMPADEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 102+30, 25' RT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-007-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 957.9 (MSL) EOB: 9.4 ft.		PAGE														
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.416290, -84.124117		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			957.9								GR	CS	FS	SI	CL	LL	PL	PI	WC			
HARD, BROWN WITH GRAY, CLAY , AND SILT, SOME SAND, DRY				1		8																
				2		10 11	31	78	SS-1	4.50	1	6	15	35	43	44	19	25	16	A-7-6 (15)		
			954.4	3																		
HARD, BROWN AND LIGHT BROWN, SILTY CLAY , LITTLE SAND, LITTLE GRAVEL, DRY				4		5																
				5		7 8	22	50	SS-2	4.50	12	7	8	32	41	39	17	22	21	A-6b (12)		
			951.9	6																		
HARD, OLIVE GRAY, SANDY SILT , AND GRAVEL, LITTLE CLAY, DRY				7		29 18 17	52	100	SS-3	4.50	39	11	4	27	19	27	18	9	12	A-4a (2)		
			949.4	8																		
SHALE WITH INTERBEDDED LIMESTONE , BROWNISH GRAY, HIGHLY WEATHERED, VERY WEAK.			948.5	9		37 50/5"	-	100	SS-4	-	-	-	-	-	-	-	-	-	10	Rock (V)		
				EOB																		
NOTES: DRY CAVE-IN OBSERVED AT A DEPTH OF 6.5 FEET																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\IMPADEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 809+90, 98' LT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-008-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 977.8 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.414078, -84.119376		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			977.8								GR	CS	FS	SI	CL	LL	PL	PI	WC			
TOPSOIL (3 INCHES)			977.6																			
STIFF TO VERY STIFF, BROWN AND GRAY, CLAY, AND SILT, TRACE SAND, TRACE GRAVEL, MOIST				1	2																	
				2	3	7	67	SS-1	1.50	1	3	3	55	38	47	20	27	28	A-7-6 (16)			
				3																		
				4	5	12	100	SS-2	2.00	0	1	1	57	41	48	23	25	28	A-7-6 (16)			
				5																		
				6	4																	
				7	5	16	100	SS-3	2.50	-	-	-	-	-	-	-	-	21	A-7-6 (V)			
				8																		
				9	3																	
				10	6	21	100	SS-4	3.75	-	-	-	-	-	-	-	-	22	A-7-6 (V)			
			967.8	EOB																		
NOTES: NONE																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 807+00, 28' RT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-009-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 977.6 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.414259, -84.120596		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			977.6								GR	CS	FS	SI	CL	LL	PL	PI	WC			
TOPSOIL (2 INCHES)			977.4																			
DENSE, DARK GRAY AND LIGHT BROWN, GRAVEL WITH SAND, LITTLE SILT, TRACE CLAY, DAMP (FILL)				1		8																
				2		10	44	100	SS-1	-	49	28	7	13	3	20	15	5	7	A-1-b (0)		
				3		20																
			974.1	4		3	10	94	SS-2	1.50	0	1	1	62	36	46	22	24	26	A-7-6 (15)		
STIFF TO VERY STIFF, BROWN AND GRAY, CLAY, AND SILT, TRACE SAND, MOIST				5		4																
				6		5																
				7		4	16	100	SS-3	2.75	-	-	-	-	-	-	-	-	20	A-7-6 (V)		
				8		5																
				9		4																
			967.6	10		5	25	100	SS-4	3.75	-	-	-	-	-	-	-	-	20	A-7-6 (V)		
				EOB		12																
NOTES: NONE																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 812+04, 46' LT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-010-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 977.6 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.413730, -84.120326		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			977.6								GR	CS	FS	SI	CL	LL	PL	PI	WC			
MEDIUM DENSE, DARK GRAYISH BROWN, GRAVEL WITH SAND, LITTLE SILT, TRACE CLAY, TRACE ASPHALT FRAGMENTS, DAMP (FILL)				1		7																
				2		6	16	50	SS-1	-	60	16	6	12	6	NP	NP	NP	6	A-1-b (0)		
				3		5																
VERY STIFF, DARK BROWNISH GRAY, SILT AND CLAY, LITTLE SAND, TRACE GRAVEL, MOIST (FILL)			974.1	4		3																
				5		4	13	89	SS-2	3.25	7	7	6	53	27	38	23	15	24	A-6a (10)		
				6		5																
STIFF TO VERY STIFF, GRAY AND BROWN, CLAY, AND SILT, TRACE SAND, MOIST			971.6	7		1																
				8		3																
				9		4	10	100	SS-3	1.50	0	1	3	57	39	47	22	25	26	A-7-6 (15)		
				10		5																
			967.6	EOB		4	13	100	SS-4	3.50	-	-	-	-	-	-	-	-	22	A-7-6 (V)		
NOTES: NONE																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 815+17, 12' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-011-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 980.6 (MSL) EOB: 10.0 ft.		PAGE													
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.413711, -84.121439		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			980.6								GR	CS	FS	SI	CL	LL	PL	PI	WC		
VERY STIFF, BROWN AND GRAY, CLAY, AND SILT, LITTLE SAND, TRACE GRAVEL, DAMP (FILL)				1		4															
				2		4	13	61	SS-1	4.00	3	4	6	44	43	46	20	26	16	A-7-6 (16)	
				3		5															
			977.1	4		19	-	80	SS-2	-	51	25	10	11	3	NP	NP	NP	10	A-1-a (0)	
DENSE TO VERY DENSE, DARK BROWN WITH GRAY, GRAVEL, AND SAND, LITTLE SILT, TRACE CLAY, DAMP (FILL)				5		50/4"															
				6		40															
				7		19	102	67	SS-3	-	-	-	-	-	-	-	-	-	12	A-1-a (V)	
				8		50															
				9		7															
			970.6	10		4	18	44	SS-4	-	-	-	-	-	-	-	-	-	15	A-1-a (V)	
				EOB		8															
NOTES: NONE																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 804+15, 68' RT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-012-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 975.4 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/21/25 END: 8/21/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.414048, -84.121580		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			975.4								GR	CS	FS	SI	CL	LL	PL	PI	WC			
TOPSOIL (1 INCH)			975.3																			
VERY STIFF, GRAY WITH BROWN, SILTY CLAY, TRACE SAND, TRACE GRAVEL, NOTED ROOT HAIRS, MOIST (FILL)				1		4	13	89	SS-1	3.75	2	2	3	62	31	39	23	16	24	A-6b (10)		
				2		5																
			971.9	3																		
STIFF TO VERY STIFF, BROWN AND GRAY, CLAY, AND SILT, TRACE SAND, MOIST				4		2	12	83	SS-2	2.50	0	0	2	57	41	47	22	25	23	A-7-6 (15)		
				5		3																
				6		5																
				7		6	19	100	SS-3	3.00	-	-	-	-	-	-	-	-	20	A-7-6 (V)		
				8		7																
				9		6	21	11	SS-4	1.75	-	-	-	-	-	-	-	-	24	A-7-6 (V)		
			965.4	10		8																
				EOB																		
NOTES: NONE																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 800+48, 8' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-013-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 971.6 (MSL) EOB: 9.4 ft.		PAGE													
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.414126, -84.122903		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			971.6								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (4 INCHES)			971.3																		
VERY STIFF, BROWN WITH DARK BROWN, CLAY, AND SILT, TRACE SAND, MOIST				1		3															
				2		4	10	89	SS-1	3.50	0	1	2	62	35	44	21	23	27	A-7-6 (14)	
				3																	
			968.1	4		4															
VERY STIFF TO HARD, BROWN, SILTY CLAY, SOME SAND, TRACE GRAVEL, MOIST				5		5	18	94	SS-2	4.50	1	11	12	39	37	36	16	20	20	A-6b (12)	
				6																	
				7		5															
				8		7	24	100	SS-3	3.50	-	-	-	-	-	-	-	-	23	A-6b (V)	
			963.1	9																	
HARD, OLIVE BROWN, SANDY SILT, SOME CLAY, LITTLE GRAVEL, DAMP			962.2	EOB		21															
						50/5"	-	100	SS-4	4.50	-	-	-	-	-	-	-	-	13	A-4a (V)	
NOTES: NONE																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\IMPADEY\ONE\DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 601+13, 9' LT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-014-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 967.2 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.413658, -84.124779		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			967.2								GR	CS	FS	SI	CL	LL	PL	PI	WC			
TOPSOIL (3 INCHES)			967.0																			
VERY STIFF, GRAYISH BROWN, CLAY, AND SILT, TRACE SAND, MOIST				1		3	5	13	78	SS-1	3.75	0	1	2	62	35	47	21	26	24	A-7-6 (16)	
				2			4															
			963.7	3																		
HARD, BROWN TO GRAYISH BROWN, SILTY CLAY, SOME SAND, TRACE TO LITTLE GRAVEL, MOIST				4		5	5	19	100	SS-2	4.50	1	6	17	47	29	32	14	18	16	A-6b (11)	
				5			8															
				6		5																
				7		6	9	22	100	SS-3	4.50	-	-	-	-	-	-	-	21	A-6b (V)		
				8																		
				9		6	18	81	100	SS-4	4.50	-	-	-	-	-	-	-	25	A-6b (V)		
			957.2	EOB 10			37															
NOTES: NONE																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 7/2/26 11:23 - C:\USERS\IMPADEY\ONE\DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENER

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 603+88, 37' LT.		EXPLORATION ID														
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-015-0-25														
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 965.4 (MSL) EOB: 10.0 ft.		PAGE														
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.413898, -84.125581		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL	
			965.4								GR	CS	FS	SI	CL	LL	PL	PI	WC			
TOPSOIL (2 INCHES)			965.2																			
VERY STIFF, BROWN, CLAY, AND SILT, TRACE SAND, NOTED ROOT HAIRS, DAMP				1		4																
				2		3	10	78	SS-1	3.25	0	2	1	64	33	41	22	19	22	A-7-6 (12)		
				3		4																
			961.9	4		2																
VERY STIFF TO HARD, LIGHT BROWN, SILTY CLAY, LITTLE SAND, TRACE GRAVEL, DAMP				5		3	10	56	SS-2	4.50	1	4	11	41	43	36	19	17	18	A-6b (11)		
				6		4																
				7		6																
				8		8	27	78	SS-3	4.50	-	-	-	-	-	-	-	-	19	A-6b (V)		
				9		10																
HARD, OLIVE GRAY, SANDY SILT, SOME GRAVEL, LITTLE CLAY, DAMP			956.9	10		27																
			955.4	EOB		14	92	94	SS-4	4.50	-	-	-	-	-	-	-	-	15	A-4a (V)		
						48																
NOTES: NONE																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																						

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 612+61, 8' LT.		EXPLORATION ID															
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-016-0-25															
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 964.4 (MSL) EOB: 9.6 ft.		PAGE															
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.413501, -84.126112		1 OF 1															
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL		
			964.4								GR	CS	FS	SI	CL	LL	PL	PI	WC				
TOPSOIL (10 INCHES)			963.6																				
VERY STIFF TO HARD, BROWN AND GRAY, CLAY, AND SILT, TRACE SAND, DAMP TO MOIST				1	3																		
				2	3 4	10	83	SS-1	3.75	0	1	1	60	38	47	24	23	24	A-7-6 (15)				
				3																			
				4	4 5	18	94	SS-2	3.75	0	0	2	56	42	50	20	30	21	A-7-6 (18)				
				5																			
				6	6 8	27	100	SS-3	4.50	-	-	-	-	-	-	-	-	-	21	A-7-6 (V)			
				7	10																		
				8																			
HARD, OLIVE GRAY, SANDY SILT, SOME GRAVEL, LITTLE CLAY, DAMP			955.9 954.8	EOB		11 25 50/1"	-	85	SS-4	4.50	-	-	-	-	-	-	-	-	13	A-4a (V)			
NOTES: NONE																							
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																							

PROJECT: WAR-71 REST AREA		DRILLING FIRM / OPERATOR: TERRACON / C.K.		DRILL RIG: CME-55 DR595		STATION / OFFSET: 609+03, 63' LT.		EXPLORATION ID													
TYPE: ROADWAY		SAMPLING FIRM / LOGGER: TERRACON / J.F.		HAMMER: CME AUTOMATIC		ALIGNMENT: I-71		B-017-0-25													
PID: 122893 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/10/24		ELEVATION: 963.3 (MSL) EOB: 10.0 ft.		PAGE													
START: 8/20/25 END: 8/20/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 88.8		LAT / LONG: 39.413693, -84.126955		1 OF 1													
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL
			963.3								GR	CS	FS	SI	CL	LL	PL	PI	WC		
TOPSOIL (8 INCHES)			962.6																		
VERY STIFF TO HARD, BROWN WITH GRAY, CLAY, AND SILT, TRACE SAND, TRACE GRAVEL, DAMP TO MOIST				1	5																
				2	5	15	89	SS-1	4.00	0	2	2	62	34	42	23	19	25	A-7-6 (12)		
				3																	
				4	8	27	94	SS-2	2.75	-	-	-	-	-	-	-	-	17	A-7-6 (V)		
				5	10																
				6	6	25	100	SS-3	4.50	-	-	-	-	-	-	-	-	28	A-7-6 (V)		
				7	7	10															
				8																	
				9	6	24	100	SS-4	3.25	7	4	5	35	49	41	20	21	16	A-7-6 (13)		
				10	9																
			953.3	EOB																	
NOTES: NONE																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS																					



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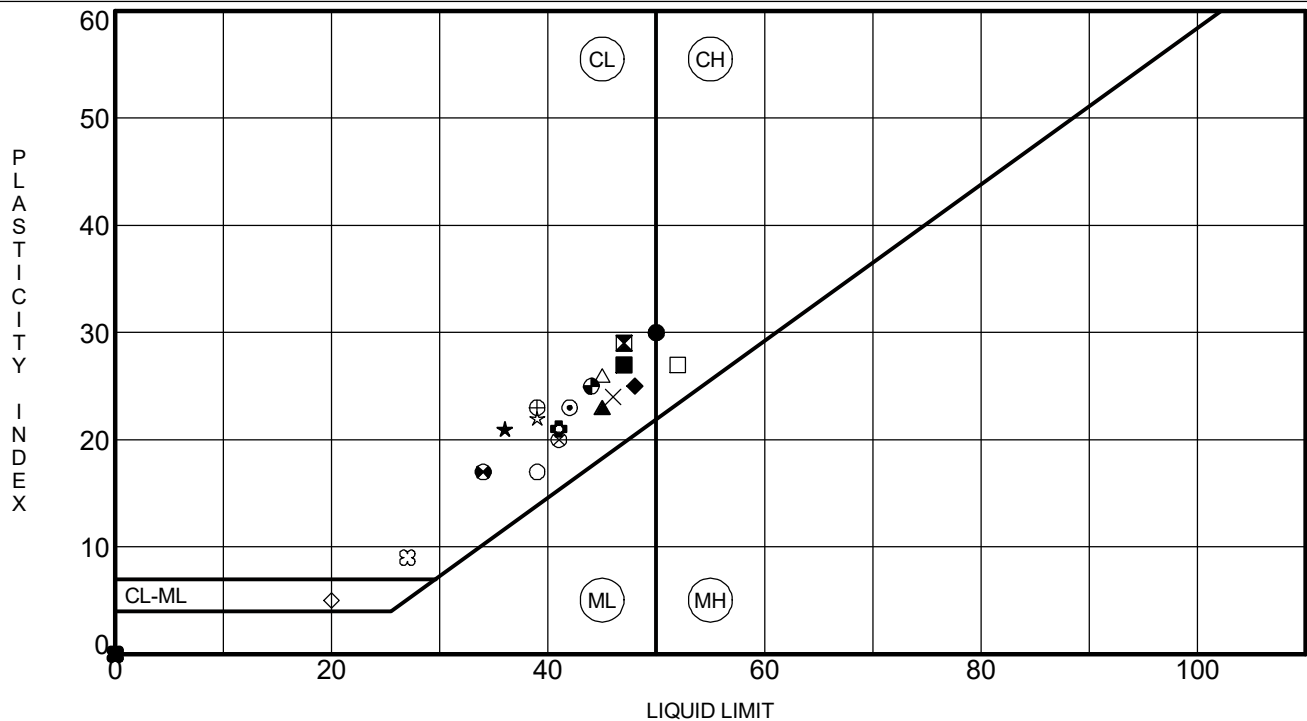
ATTERBERG LIMITS' RESULTS

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



	Specimen Identification		LL	PL	PI	Fines	Classification
●	B-001-0-25	1.0	50	20	30	94	FAT CLAY(CH)
⊠	B-001-0-25	3.5	47	18	29	84	LEAN CLAY with SAND(CL)
▲	B-002-0-25	1.0	45	22	23	96	LEAN CLAY(CL)
★	B-002-0-25	6.0	36	15	21	75	LEAN CLAY with SAND(CL)
⊙	B-003-0-25	1.0	42	19	23	77	LEAN CLAY with SAND(CL)
⊕	B-003-0-25	6.0	41	20	21	85	LEAN CLAY(CL)
○	B-004-0-25	1.0	39	22	17	96	LEAN CLAY(CL)
△	B-004-0-25	3.5	45	19	26	75	LEAN CLAY with SAND(CL)
⊗	B-005-0-25	1.0	41	21	20	90	LEAN CLAY(CL)
⊕	B-005-0-25	3.5	39	16	23	85	LEAN CLAY(CL)
□	B-006-0-25	1.0	52	25	27	99	FAT CLAY(CH)
⊕	B-006-0-25	3.5	34	17	17	88	LEAN CLAY(CL)
⬤	B-007-0-25	1.0	44	19	25	78	LEAN CLAY with SAND(CL)
☆	B-007-0-25	3.5	39	17	22	73	LEAN CLAY with SAND(CL)
⊗	B-007-0-25	6.0	27	18	9	46	CLAYEY GRAVEL with SAND(GC)
■	B-008-0-25	1.0	47	20	27	93	LEAN CLAY(CL)
◆	B-008-0-25	3.5	48	23	25	98	LEAN CLAY(CL)
◇	B-009-0-25	1.0	20	15	5	16	SILTY, CLAYEY SAND with GRAVEL(SC-SM)
×	B-009-0-25	3.5	46	22	24	98	LEAN CLAY(CL)
■	B-010-0-25	1.0	NP	NP	NP	18	SILTY GRAVEL with SAND(GM)

ATTERBERG LIMITS - OH DOT.GDT - 9/30/25 00:10 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INC\1255001\ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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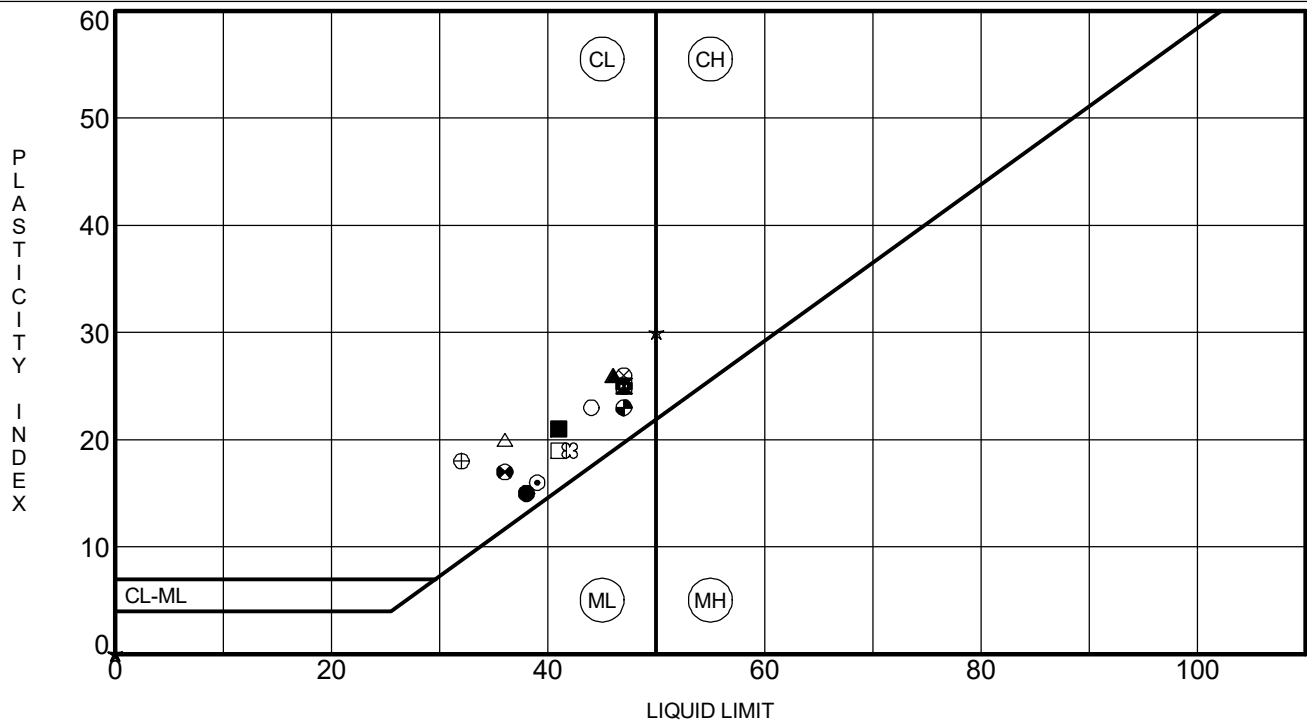
ATTERBERG LIMITS' RESULTS

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



Specimen Identification			LL	PL	PI	Fines	Classification
●	B-010-0-25	3.5	38	23	15	80	LEAN CLAY with SAND(CL)
⊠	B-010-0-25	6.0	47	22	25	96	LEAN CLAY(CL)
▲	B-011-0-25	1.0	46	20	26	87	LEAN CLAY(CL)
★	B-011-0-25	3.5	NP	NP	NP	14	SILTY SAND with GRAVEL(SM)
⊙	B-012-0-25	1.0	39	23	16	93	LEAN CLAY(CL)
⊕	B-012-0-25	3.5	47	22	25	98	LEAN CLAY(CL)
○	B-013-0-25	1.0	44	21	23	97	LEAN CLAY(CL)
△	B-013-0-25	3.5	36	16	20	76	LEAN CLAY with SAND(CL)
⊗	B-014-0-25	1.0	47	21	26	97	LEAN CLAY(CL)
⊕	B-014-0-25	3.5	32	14	18	76	LEAN CLAY with SAND(CL)
□	B-015-0-25	1.0	41	22	19	97	LEAN CLAY(CL)
⊕	B-015-0-25	3.5	36	19	17	84	LEAN CLAY with SAND(CL)
⊕	B-016-0-25	1.0	47	24	23	98	LEAN CLAY(CL)
☆	B-016-0-25	3.5	50	20	30	98	FAT CLAY(CH)
⊗	B-017-0-25	1.0	42	23	19	96	LEAN CLAY(CL)
■	B-017-0-25	8.5	41	20	21	84	LEAN CLAY with SAND(CL)

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:10 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INCIN1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\IN1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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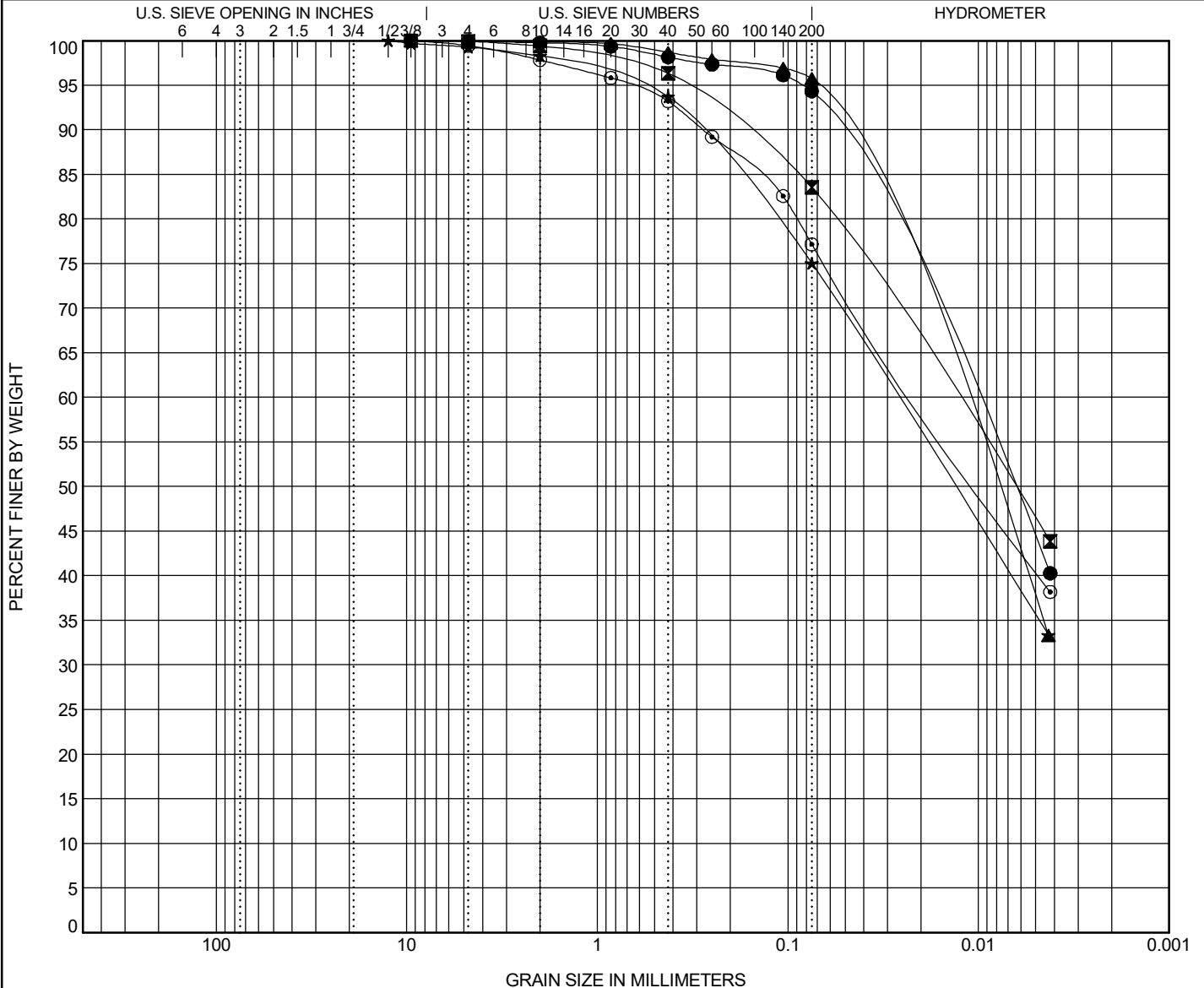
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification		ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-001-0-25 1.0	A-7-6 ~ FAT CLAY(CH)								50	20	30
■	B-001-0-25 3.5	A-7-6 ~ LEAN CLAY with SAND(CL)								47	18	29
▲	B-002-0-25 1.0	A-7-6 ~ LEAN CLAY(CL)								45	22	23
★	B-002-0-25 6.0	A-6b ~ LEAN CLAY with SAND(CL)								36	15	21
◎	B-003-0-25 1.0	A-7-6 ~ LEAN CLAY with SAND(CL)								42	19	23
Specimen Identification		D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-001-0-25 1.0	0.06	0.007			0	2	4	50	44		
■	B-001-0-25 3.5	0.18	0.007			0	3	13	38	46		
▲	B-002-0-25 1.0	0.058	0.009			0	1	3	59	37		
★	B-002-0-25 6.0	0.301	0.013			1	5	19	39	36		
◎	B-003-0-25 1.0	0.278	0.01			2	5	16	36	41		

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:10 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INCIN1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\N1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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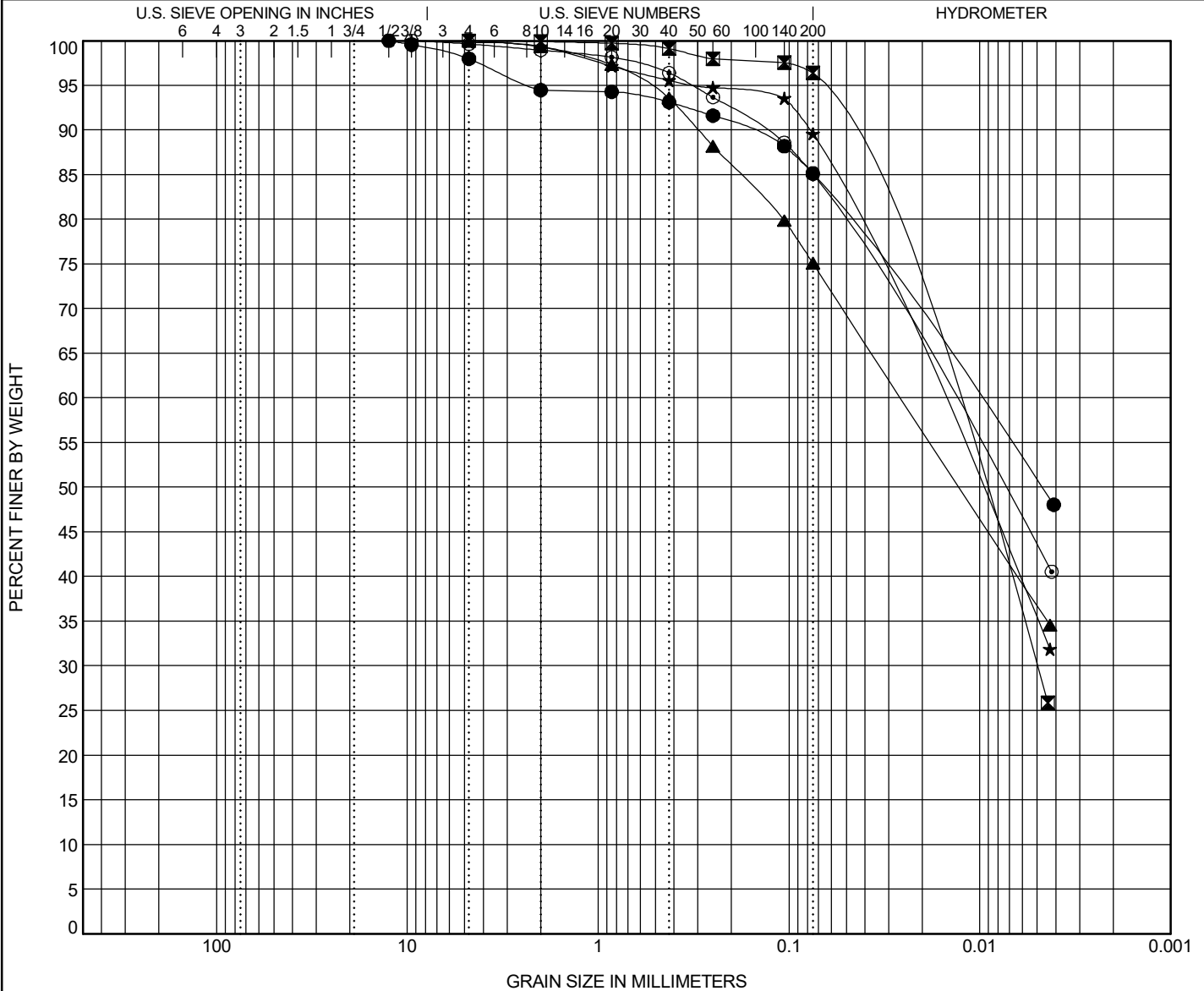
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification			ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-003-0-25	6.0	A-7-6 ~ LEAN CLAY(CL)								41	20	21
☒	B-004-0-25	1.0	A-6b ~ LEAN CLAY(CL)								39	22	17
▲	B-004-0-25	3.5	A-7-6 ~ LEAN CLAY with SAND(CL)								45	19	26
★	B-005-0-25	1.0	A-7-6 ~ LEAN CLAY(CL)								41	21	20
◎	B-005-0-25	3.5	A-6b ~ LEAN CLAY(CL)								39	16	23
Specimen Identification			D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-003-0-25	6.0	0.167	0.005			6	1	8	34	51		
☒	B-004-0-25	1.0	0.058	0.012	0.005		0	1	3	67	29		
▲	B-004-0-25	3.5	0.299	0.013			1	6	18	38	37		
★	B-005-0-25	1.0	0.078	0.011			0	4	6	55	35		
◎	B-005-0-25	3.5	0.135	0.008			1	3	11	42	43		

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:10 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INCIN1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\N1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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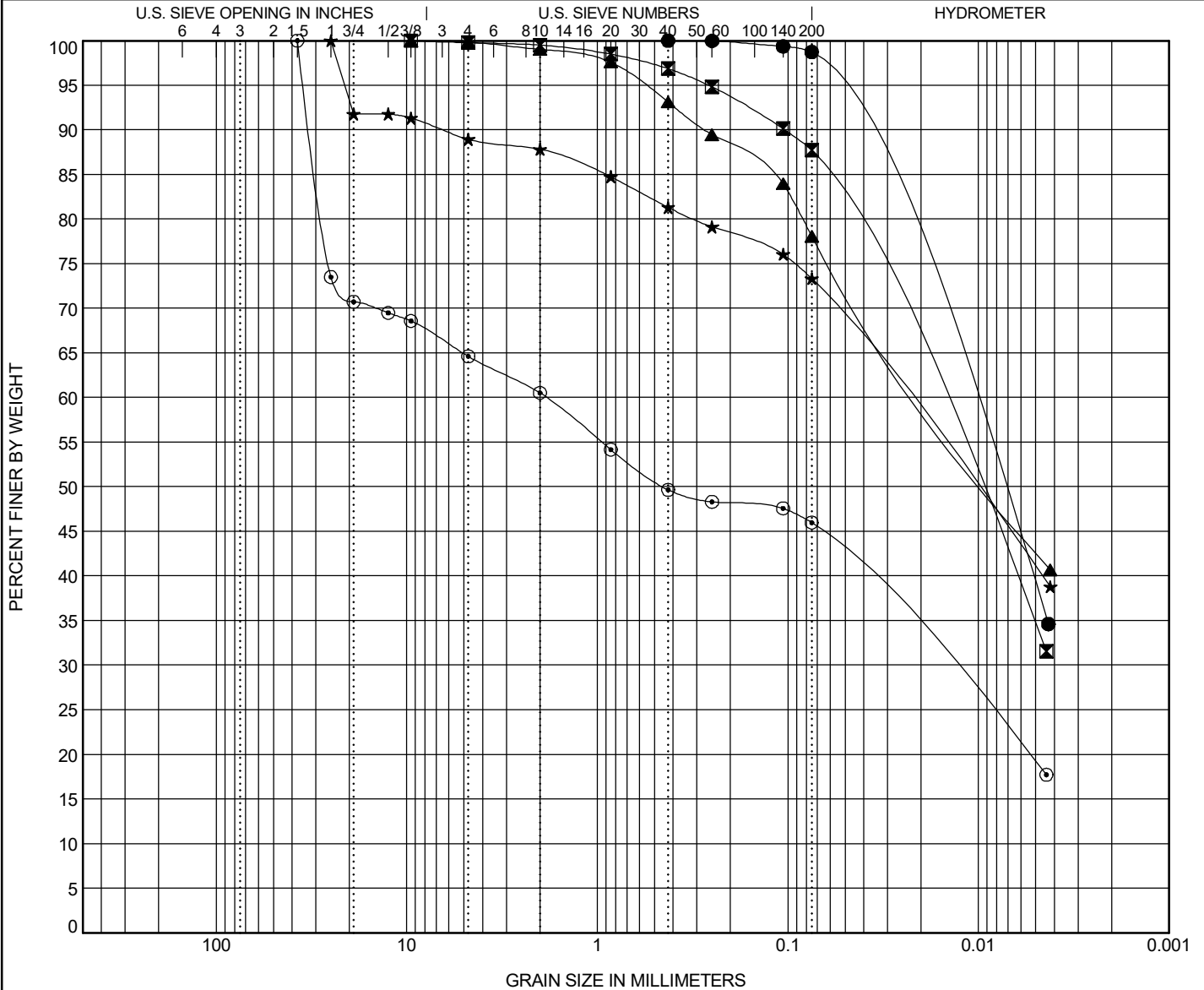
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification		ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-006-0-25 1.0	A-7-6 ~ FAT CLAY(CH)								52	25	27
☒	B-006-0-25 3.5	A-6b ~ LEAN CLAY(CL)								34	17	17
▲	B-007-0-25 1.0	A-7-6 ~ LEAN CLAY with SAND(CL)								44	19	25
★	B-007-0-25 3.5	A-6b ~ LEAN CLAY with SAND(CL)								39	17	22
◎	B-007-0-25 6.0	A-4a ~ CLAYEY GRAVEL with SAND(GC)								27	18	9
Specimen Identification		D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-006-0-25 1.0	0.051	0.009			0	0	1	61	38		
☒	B-006-0-25 3.5	0.104	0.011			0	3	9	54	34		
▲	B-007-0-25 1.0	0.27	0.009			1	6	15	35	43		
★	B-007-0-25 3.5	6.462	0.011			12	7	8	32	41		
◎	B-007-0-25 6.0	32.179	0.449	0.015		39	11	4	27	19		

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:10 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS INC\1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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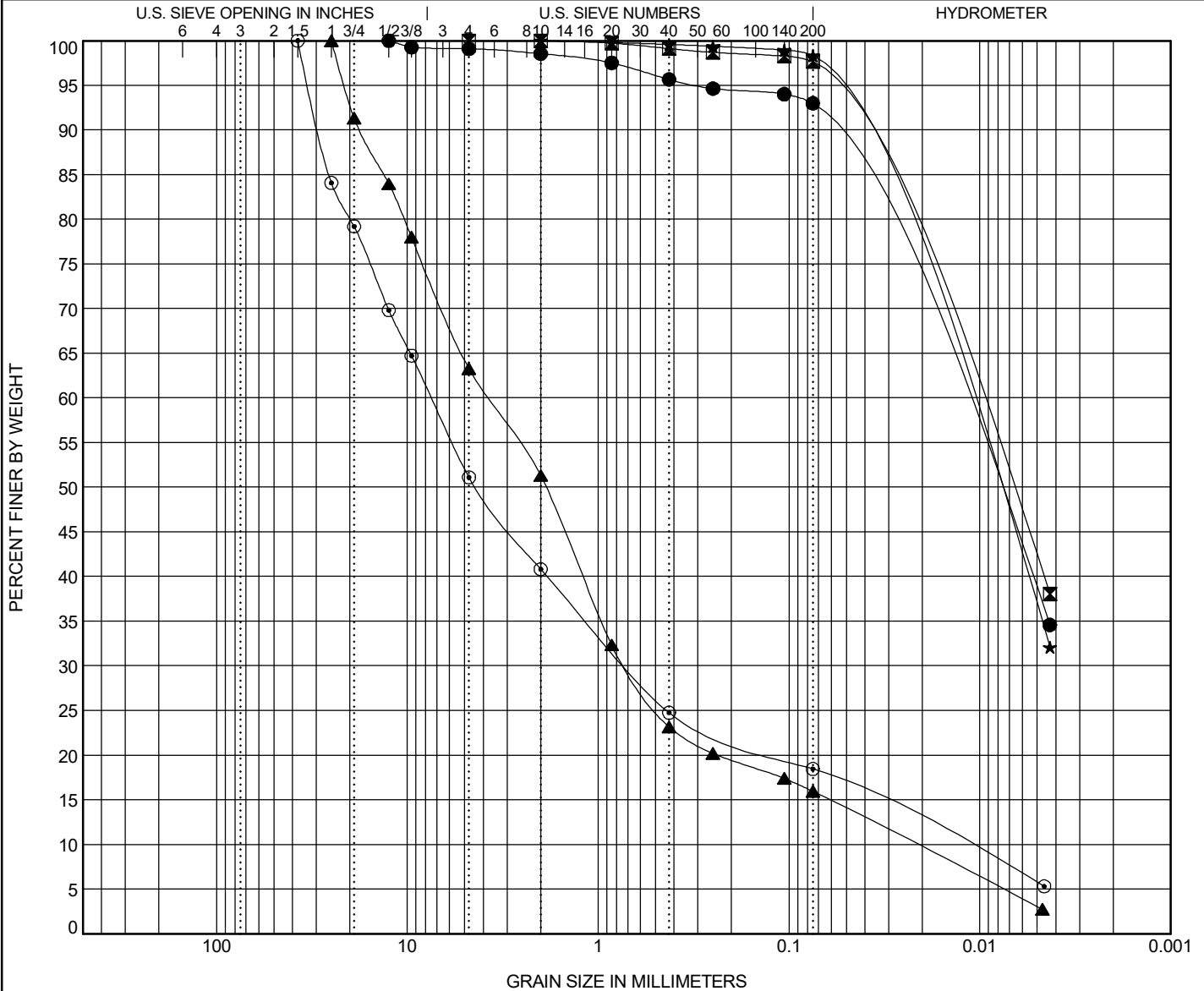
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



Specimen Identification			ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-008-0-25	1.0	A-7-6 ~ LEAN CLAY(CL)								47	20	27
☒	B-008-0-25	3.5	A-7-6 ~ LEAN CLAY(CL)								48	23	25
▲	B-009-0-25	1.0	A-1-b ~ SILTY, CLAYEY SAND with GRAVEL(SC-SM)								20	15	5
★	B-009-0-25	3.5	A-7-6 ~ LEAN CLAY(CL)								46	22	24
◎	B-010-0-25	1.0	A-1-b ~ SILTY GRAVEL with SAND(GM)								NP	NP	NP
Specimen Identification			D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-008-0-25	1.0	0.065	0.009			1	3	3	55	38		
☒	B-008-0-25	3.5	0.052	0.008			0	1	1	57	41		
▲	B-009-0-25	1.0	17.598	1.885	0.713	0.022	49	28	7	13	3	6.26	173.29
★	B-009-0-25	3.5	0.052	0.009			0	1	1	62	36		
◎	B-010-0-25	1.0	29.071	4.331	0.706	0.013	60	16	6	12	6	5.33	597.65

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:10 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INCIN1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\N1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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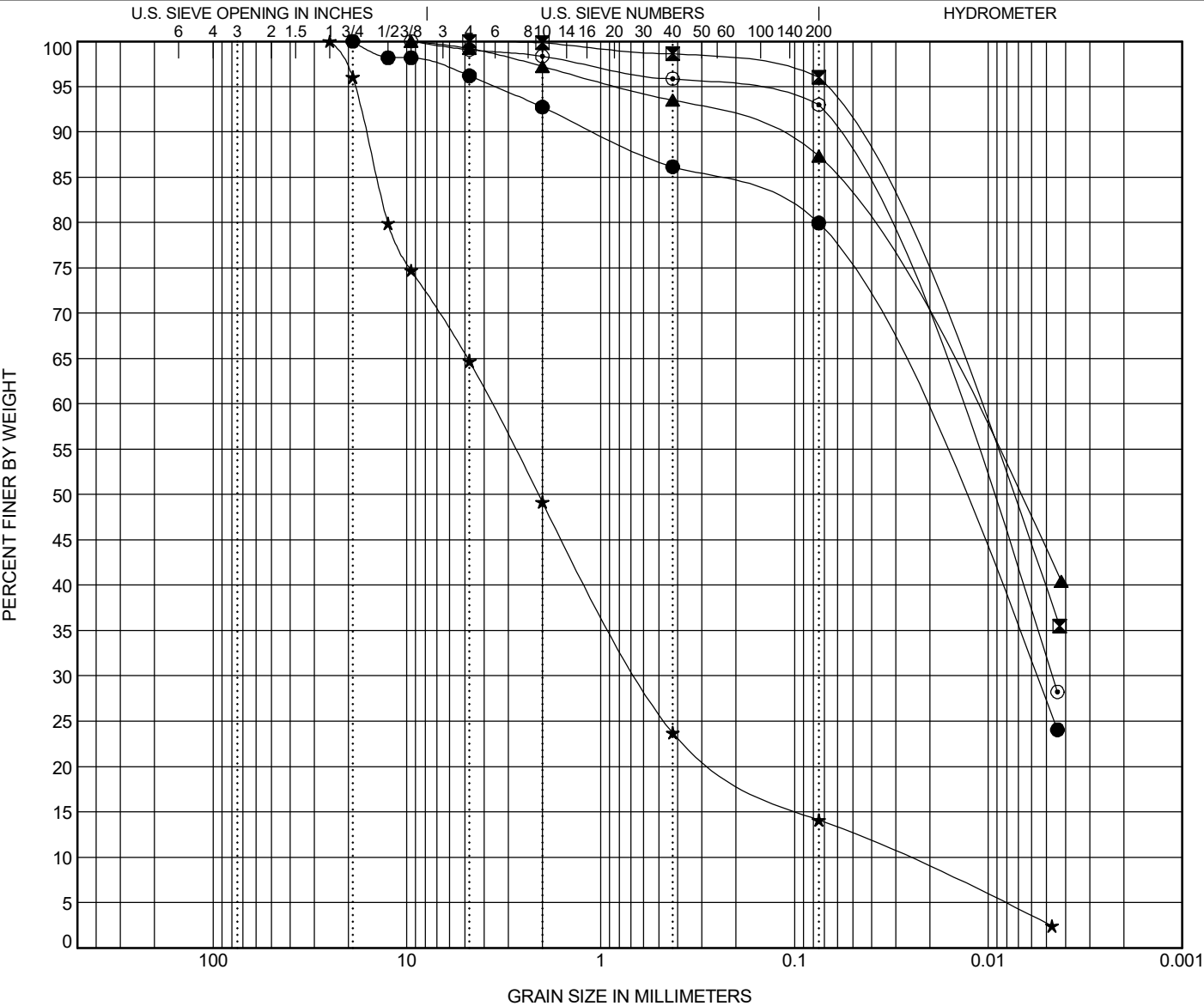
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification			ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-010-0-25	3.5	A-6a ~ LEAN CLAY with SAND(CL)								38	23	15
☒	B-010-0-25	6.0	A-7-6 ~ LEAN CLAY(CL)								47	22	25
▲	B-011-0-25	1.0	A-7-6 ~ LEAN CLAY(CL)								46	20	26
★	B-011-0-25	3.5	A-1-a ~ SILTY SAND with GRAVEL(SM)								NP	NP	NP
◎	B-012-0-25	1.0	A-6b ~ LEAN CLAY(CL)								39	23	16
Specimen Identification			D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-010-0-25	3.5	1.048	0.016	0.006		7	7	6	53	27		
☒	B-010-0-25	6.0	0.056	0.009			0	1	3	57	39		
▲	B-011-0-25	1.0	0.159	0.008			3	4	6	44	43		
★	B-011-0-25	3.5	16.24	2.095	0.623	0.028	51	25	10	11	3	3.73	128.45
◎	B-012-0-25	1.0	0.066	0.011	0.005		2	2	3	62	31		

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:11 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INCIN1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\IN1255001 ODOT TRUCK PARKING-WAR-71.GPJ



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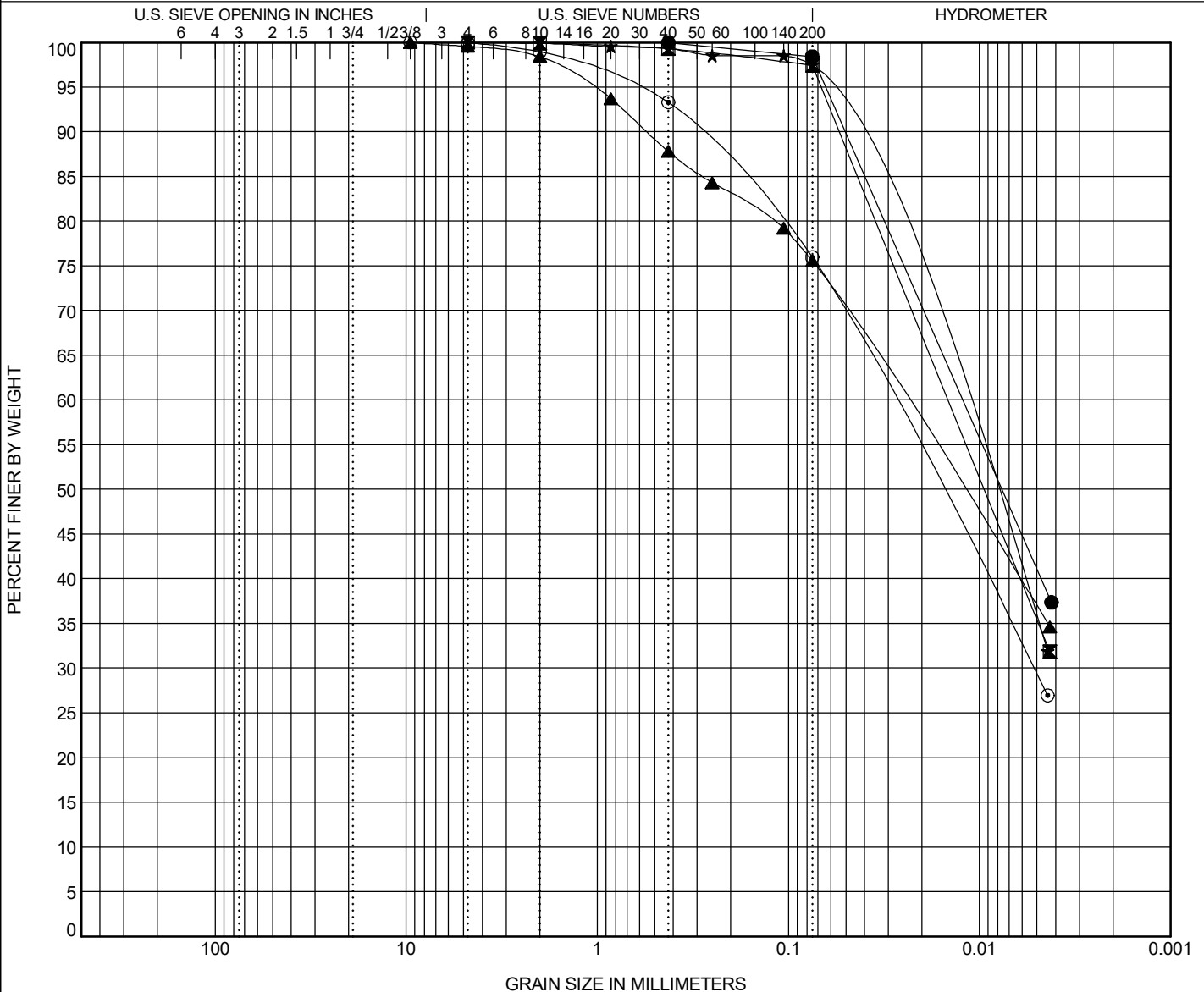
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification		ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-012-0-25 3.5	A-7-6 ~ LEAN CLAY(CL)								47	22	25
☒	B-013-0-25 1.0	A-7-6 ~ LEAN CLAY(CL)								44	21	23
▲	B-013-0-25 3.5	A-6b ~ LEAN CLAY with SAND(CL)								36	16	20
★	B-014-0-25 1.0	A-7-6 ~ LEAN CLAY(CL)								47	21	26
◎	B-014-0-25 3.5	A-6b ~ LEAN CLAY with SAND(CL)								32	14	18
Specimen Identification		D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-012-0-25 3.5	0.05	0.008			0	0	2	57	41		
☒	B-013-0-25 1.0	0.054	0.009			0	1	2	62	35		
▲	B-013-0-25 3.5	0.55	0.013			1	11	12	39	37		
★	B-014-0-25 1.0	0.054	0.01			0	1	2	62	35		
◎	B-014-0-25 3.5	0.305	0.017	0.005		1	6	17	47	29		

GRAIN SIZE - OH DOT.GDT - 9/30/25 00:11 - C:\USERS\MPANDEY\ONE DRIVE - TERRACON CONSULTANTS\INC\1255001 ODOT TRUCK PARKING 2026 - GENERAL\07 WORKING FILES\03 MODELS\WAR-71\1255001 ODOT TRUCK PARKING-WAR-71.GPJ



OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL ENGINEERING

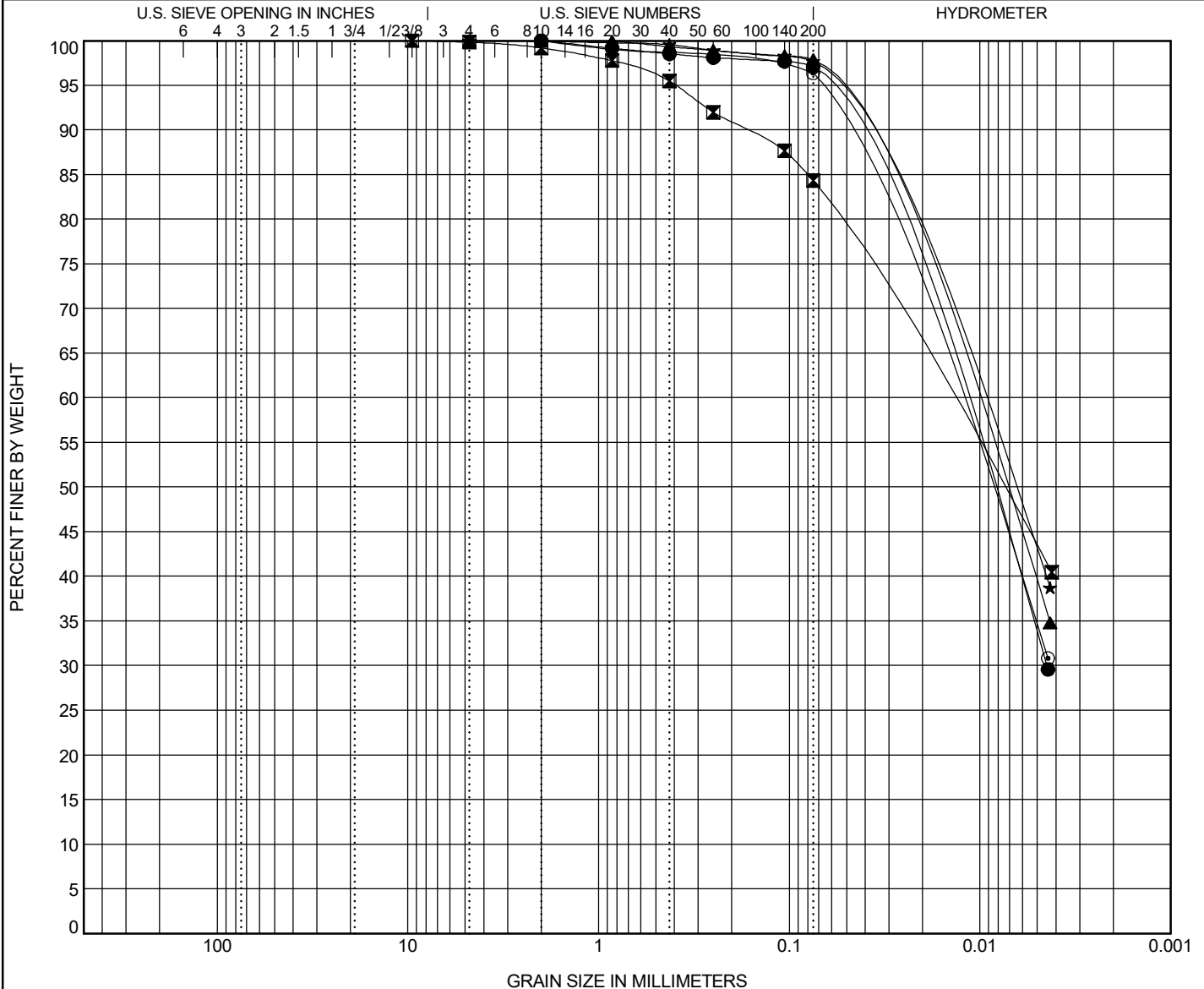
GRAIN SIZE DISTRIBUTION

PROJECT WAR-71 REST AREA

PID 122893

OGE NUMBER N1255001

PROJECT TYPE ROADWAY



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification		ODOT (Modified AASHTO) ~ USCS Classification								LL	PL	PI
●	B-015-0-25 1.0	A-7-6 ~ LEAN CLAY(CL)								41	22	19
☒	B-015-0-25 3.5	A-6b ~ LEAN CLAY with SAND(CL)								36	19	17
▲	B-016-0-25 1.0	A-7-6 ~ LEAN CLAY(CL)								47	24	23
★	B-016-0-25 3.5	A-7-6 ~ FAT CLAY(CH)								50	20	30
◎	B-017-0-25 1.0	A-7-6 ~ LEAN CLAY(CL)								42	23	19
Specimen Identification		D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-015-0-25 1.0	0.056	0.01	0.004		0	2	1	64	33		
☒	B-015-0-25 3.5	0.169	0.008			1	4	11	41	43		
▲	B-016-0-25 1.0	0.052	0.009			0	1	1	60	38		
★	B-016-0-25 3.5	0.052	0.007			0	0	2	56	42		
◎	B-017-0-25 1.0	0.057	0.01			0	2	2	62	34		



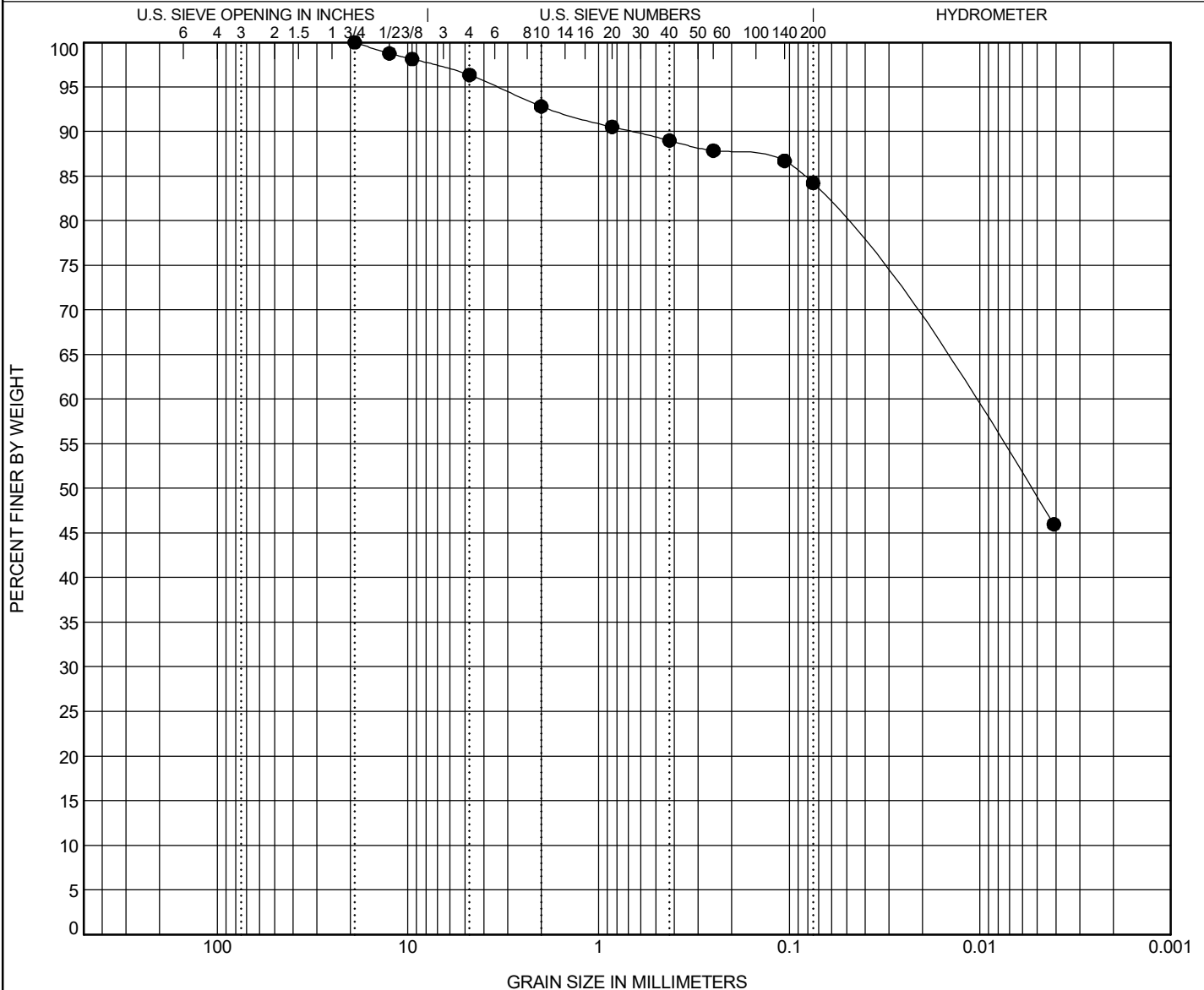
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PROJECT WAR-71 REST AREA

PID 122893

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PROJECT TYPE ROADWAY

COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

[illegible]

Client

Woolpert Inc.
1203 Walnut Street Second Floor
Cincinnati, OH 45202

Project

ODOT Truck Parking 2026
WAR-71 RA
Union Township, OH 45244

Project No. N1255001

SUPPLEMENT 1122
DETERMINING SULFATE CONTENT IN SOILS

SAMPLE INFORMATION

Sample Type:

Bag

Lab Number	Hole Number	Sample Number	Sample Depth	Sulfate Concentration, ppm
6042	B-1	2	3.5-5.0	< 100
6046	B-2	2	3.5-5.0	< 100
6050	B-3	2	3.5-5.0	< 100
6054	B-4	2	3.5-5.0	< 100
6058	B-5	2	3.5-5.0	<100
6062	B-6	2	3.5-5.0	<100
6066	B-7	2	3.5-5.0	<100
6070	B-8	2	3.5-5.0	<100
6074	B-9	2	3.5-5.0	<100
6078	B-10	2	3.5-5.0	<100
6082	B-11	2	3.5-4.3	<100
6086	B-12	2	3.5-5.0	<100
6090	B-13	2	3.5-5.0	<100
6094	B-14	2	3.5-5.0	<100
6098	B-15	2	3.5-5.0	<100
6102	B-16	2	3.5-5.0	<100
6106	B-17	2	3.5-5.0	<100

Supporting Information

Contents:

ODOT Soil Classification (3 pages)
ODOT Subgrade Analysis (6 pages)
Geotechnical Profile Sheets (9 pages)

Note: All attachments are one page unless noted above.



CLASSIFICATION OF SOILS

Ohio Department of Transportation

(The classification of a soil is found by proceeding from top to bottom of the chart.
The first classification that the test data fits is the correct classification.)

SYMBOL	DESCRIPTION	Classification		LL _O /LL × 100*	% Pass #40	% Pass #200	Liquid Limit (LL)	Plastic Index (PI)	Group Index Max.	REMARKS
		AASHTO	OHIO							
	Gravel and/or Stone Fragments	A-1-a			30 Max.	15 Max.		6 Max.	0	Min. of 50% combined gravel, cobble and boulder sizes
	Gravel and/or Stone Fragments with Sand	A-1-b			50 Max.	25 Max.		6 Max.	0	
	Fine Sand	A-3			51 Min.	10 Max.	NON-PLASTIC		0	
	Coarse and Fine Sand	--	A-3a			35 Max.		6 Max.	0	Min. of 50% combined coarse and fine sand sizes
	Gravel and/or Stone Fragments with Sand and Silt	A-2-4				35 Max.	40 Max.	10 Max.	0	
		A-2-5					41 Min.			
	Gravel and/or Stone Fragments with Sand, Silt and Clay	A-2-6				35 Max.	40 Max.	11 Min.	4	
		A-2-7					41 Min.			
	Sandy Silt	A-4	A-4a	76 Min.		36 Min.	40 Max.	10 Max.	8	Less than 50% silt sizes
	Silt	A-4	A-4b	76 Min.		50 Min.	40 Max.	10 Max.	8	50% or more silt sizes
	Elastic Silt and Clay	A-5		76 Min.		36 Min.	41 Min.	10 Max.	12	
	Silt and Clay	A-6	A-6a	76 Min.		36 Min.	40 Max.	11 - 15	10	
	Silty Clay	A-6	A-6b	76 Min.		36 Min.	40 Max.	16 Min.	16	
	Elastic Clay	A-7-5		76 Min.		36 Min.	41 Min.	≤ LL-30	20	
	Clay	A-7-6		76 Min.		36 Min.	41 Min.	> LL-30	20	
	Organic Silt	A-8	A-8a	75 Max.		36 Min.				W/o organics would classify as A-4a or A-4b
	Organic Clay	A-8	A-8b	75 Max.		36 Min.				W/o organics would classify as A-5, A-6a, A-6b, A-7-5 or A-7-6
MATERIAL CLASSIFIED BY VISUAL INSPECTION										
	Sod and Topsoil									
	Pavement or Base	Uncontrolled Fill (Describe)		Bouldery Zone		Peat				

* Only perform the oven-dried liquid limit test and this calculation if organic material is present in the sample.

APPENDIX A.1 - ODOT Quick Reference for Visual Description of Soils

1) STRENGTH OF SOIL:

Non-Cohesive (granular) Soils - Compactness	
Description	Blows Per Ft.
Very Loose	≤ 4
Loose	5 – 10
Medium Dense	11 – 30
Dense	31 – 50
Very Dense	> 50

2) COLOR :

If a color is a uniform color throughout, the term is single, modified by an adjective such as light or dark. If the predominate color is shaded by a secondary color, the secondary color precedes the primary color. If two major and distinct colors are swirled throughout the soil, the colors are modified by the term “mottled”

3) PRIMARY COMPONENT

Use **DESCRIPTION** from ODOT Soil Classification Chart on Back

Cohesive (fine grained) Soils - Consistency

Description	Qu (TSF)	Blows Per Ft.	Hand Manipulation
Very Soft	<0.25	<2	Easily penetrates 2” by fist
Soft	0.25-0.5	2 - 4	Easily penetrates 2” by thumb
Medium Stiff	0.5-1.0	5 - 8	Penetrates by thumb with moderate effort
Stiff	1.0-2.0	9 - 15	Readily indents by thumb, but not penetrate
Very Stiff	2.0-4.0	16 - 30	Readily indents by thumbnail
Hard	>4.0	>30	Indent with difficulty by thumbnail

4) COMPONENT MODIFIERS:

Description	Percentage By Weight
Trace	0% - 10%
Little	$>10\%$ - 20%
Some	$>20\%$ - 35%
“And”	$>35\%$

5) Soil Organic Content

Description	% by Weight
Slightly Organic	2% - 4%
Moderately Organic	4% - 10%
Highly Organic	$> 10\%$

6) Relative Visual Moisture

Description	Criteria	
	Cohesive Soil	Non-cohesive Soils
Dry	Powdery; Cannot be rolled; Water content well below the plastic limit	No moisture present
Damp	Leaves very little moisture when pressed between fingers; Crumbles at or before rolled to $\frac{1}{8}$ ”; Water content below plastic limit	Internal moisture, but no to little surface moisture
Moist	Leaves small amounts of moisture when pressed between fingers; Rolled to $\frac{1}{8}$ ” or smaller before crumbling; Water content above plastic limit to -3% of the liquid limit	Free water on surface, moist (shiny) appearance
Wet	Very mushy; Rolled multiple times to $\frac{1}{8}$ ” or smaller before crumbles; Near or above the liquid limit	Voids filled with free water, can be poured from split spoon.

APPENDIX A.2 – ODOT Quick Reference Guide for Rock Description

1: ROCK TYPE: Common rock types are: Claystone; Coal; Dolomite; Limestone; Sandstone; Siltstone; & Shale.

2: COLOR: To be determined when rock is wet. When using the GSA Color charts use only Name, not code.

3: WEATHERING

Description	Field Parameter
Unweathered	No evidence of any chemical or mechanical alternation of the rock mass. Mineral crystals have a bright appearance with no discoloration. Fractures show little or no staining on surfaces.
Slightly weathered	Slight discoloration of the rock surface with minor alterations along discontinuities. Less than 10% of the rock volume presents alteration.
Moderately weathered	Portions of the rock mass are discolored as evident by a dull appearance. Surfaces may have a pitted appearance with weathering “halos” evident. Isolated zones of varying rock strengths due to alteration may be present. 10 to 15% of the rock volume presents alterations.
Highly weathered	Entire rock mass appears discolored and dull. Some pockets of slightly too moderately weathered rock may be present and some areas of severely weathered materials may be present.
Severely weathered	Majority of the rock mass reduced to a soil-like state with relic rock structure discernable. Zones of more resistant rock may be present, but the material can generally be molded and crumbled by hand pressures.

5: RELATIVE STRENGTH

Description	Field Parameter
Very Weak	Core can be carved with a knife and scratched by fingernail. Can be excavated readily with a point of a pick. Pieces 1 inch or more in thickness can be broken by finger pressure.
Weak	Core can be grooved or gouged readily by a knife or pick. Can be excavated in small fragments by moderate blows of a pick point. Small, thin pieces can be broken by finger pressure.
Slightly Strong	Core can be grooved or gouged 0.05 inch deep by firm pressure of a knife or pick point. Can be excavated in small chips to pieces about 1-inch maximum size by hard blows of the point of a geologist’s pick.
Moderately Strong	Core can be scratched with a knife or pick. Grooves or gouges to ¼” deep can be excavated by hand blows of a geologist’s pick. Requires moderate hammer blows to detach hand specimen.
Strong	Core can be scratched with a knife or pick only with difficulty. Requires hard hammer blows to detach hand specimen. Sharp and resistant edges are present on hand specimen.
Very Strong	Core cannot be scratched by a knife or sharp pick. Breaking of hand specimens requires hard repeated blows of the geologist hammer.
Extremely strong	Core cannot be scratched by a knife or sharp pick. Chipping of hand specimens requires hard repeated blows of the geologist hammer.

7: DESCRIPTORS

Arenaceous – sandy
Calcareous - contains calcium carbonate
Conglomeritic - contains rounded to subrounded gravel
Ferriferous – contains iron
Friable – easily broken down
Siliceous – contains silica

Argillaceous - clayey
Carbonaceous - contains carbon
Crystalline – contains crystalline structure
Fissile – thin planner partings
Micaceous – contains mica
Stylolitic – contain stylotites (suture like structure)

4: TEXTURE

Component		Grain Diameter
Boulder		>12”
Cobble		3”-12”
Gravel		0.08”-3”
Sand	Coarse	0.02”-0.08”
	Medium	0.01”-0.02”
	Fine	0.005”-0.01”
	Very Fine	0.003”-0.005”

6: BEDDING

Description	Thickness
Very Thick	>36”
Thick	18” – 36”
Medium	10” – 18”
Thin	2” – 10”
Very Thin	0.4” – 2”
Laminated	0.1” – 0.4”
Thinly Laminated	<0.1”

Brecciated – contains angular to subangular gravel
Cherty- contains chert fragments
Dolomitic- contains calcium/magnesium carbonate
Fossiliferous – contains fossils
Pyritic – contains pyrite
Vuggy – contains openings



OHIO DEPARTMENT OF TRANSPORTATION

OFFICE OF GEOTECHNICAL ENGINEERING

PLAN SUBGRADES
Geotechnical Design Manual Section 600

WAR-71
122893

Rest Area

Terracon

Prepared By: Munal Pandey, P.E.
Date prepared: Tuesday, September 30, 2025

611 Lunken Park Drive
(513) 612-9028
munal.pandey@terracon.com

NO. OF BORINGS: 17

NO. OF DCPS: 0

#	Boring ID	Alignment	Station	Add DCP Test Data Worksheets				Boring EL.	Proposed Subgrade EL.	Cut Fill
				Offset	Dir	Drill Rig	ER			
1	B-001-0-25	WAR-71	210+48	2	Left	CME-55 DR595	89	931.7	930.7	1.0 C
2	B-002-0-25	WAR-71	206+94	28	Left	CME-55 DR595	89	941.4	940.4	1.0 C
3	B-003-0-25	WAR-71	203+26	25	Left	CME-55 DR595	89	953.3	952.3	1.0 C
4	B-004-0-25	WAR-71	212+89	12	Left	CME-55 DR595	89	933.0	932.0	1.0 C
5	B-005-0-25	WAR-71	217+11	110	Left	CME-55 DR595	89	944.7	943.7	1.0 C
6	B-006-0-25	WAR-71	219+98	32	Left	CME-55 DR595	89	948.0	947.0	1.0 C
7	B-007-0-25	WAR-71	102+30	25	Right	CME-55 DR595	89	957.9	956.9	1.0 C
8	B-008-0-25	WAR-71	809+90	98	Left	CME-55 DR595	89	977.8	976.8	1.0 C
9	B-009-0-25	WAR-71	807+00	28	Right	CME-55 DR595	89	977.6	976.6	1.0 C
10	B-010-0-25	WAR-71	812+04	46	Left	CME-55 DR595	89	977.6	976.6	1.0 C
11	B-011-0-25	WAR-71	81517	12	Left	CME-55 DR595	89	980.6	979.6	1.0 C
12	B-012-0-25	WAR-71	80415	68	Right	CME-55 DR595	89	975.4	974.4	1.0 C
13	B-013-0-25	WAR-71	80048	8	Left	CME-55 DR595	89	971.6	970.6	1.0 C
14	B-014-0-25	WAR-71	60113	9	Left	CME-55 DR595	89	967.2	966.2	1.0 C
15	B-015-0-25	WAR-71	60388	37	Left	CME-55 DR595	89	965.4	964.4	1.0 C
16	B-016-0-25	WAR-71	61261	8	Left	CME-55 DR595	89	964.4	963.4	1.0 C
17	B-017-0-25	WAR-71	60903	63	Left	CME-55 DR595	89	963.3	962.3	1.0 C

#	Boring	Sample	Sample Depth		Subgrade Depth		Standard Penetration		HP (tsf)	Physical Characteristics					Moisture		Ohio DOT		Sulfate Content (ppm)	Problem		Excavate and Replace (Item 204)		Recommendation (Enter depth in inches)	
			From	To	From	To	N ₆₀	N _{60L}		LL	PL	PI	% Silt	% Clay	P200	M _C	M _{OPT}	Class		GI	Unsuitable	Unstable	Unsuitable		Unstable
1	B 001-0 25	SS-1	1.0	2.5	0.0	1.5	13	13	4.5	50	20	30	50	44	94	22	18	A-7-6	18	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	16		4.5	47	18	29	38	46	84	21	18	A-7-6	17						
		SS-3	6.0	7.5	5.0	6.5	22		4.5							23	18	A-7-6	16						
		SS-4	8.5	10.0	7.5	9.0	18		3							16	16	A-6b							
2	B 002-0 25	SS-1	1.0	2.5	0.0	1.5	13	13	4.25	45	22	23	59	37	96	24	19	A-7-6	14	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	19		3.75							19	18	A-7-6	16						
		SS-3	6.0	7.5	5.0	6.5	19		2.25	36	15	21	39	36	75	19	16	A-6b	12						
		SS-4	8.5	10.0	7.5	9.0	24		4.5							25	16	A-6b							
3	B 003-0 25	SS-1	1.0	2.5	0.0	1.5	19	19	4.5	42	19	23	36	41	77	15	18	A-7-6	14	100					
		SS-2	3.5	5.0	2.5	4.0	19		4.5							18	18	A-7-6	16						
		SS-3	6.0	7.5	5.0	6.5	28		4.5	41	20	21	34	51	85	20	18	A-7-6	13						
		SS-4	8.5	10.0	7.5	9.0	9/50/5									1	0	Rock							
4	B 004-0 25	SS-1	1.0	2.5	0.0	1.5	15	15	4	39	22	17	67	29	96	20	17	A-6b	11	100		Mc			
		SS-2	3.5	5.0	2.5	4.0	16		2.5	45	19	26	38	37	75	21	18	A-7-6	15						
		SS-3	6.0	7.5	5.0	6.5	24		4.5							17	18	A-7-6	16						
		SS-4	8.5	10.0	7.5	9.0	13		4							15	16	A-6b							
5	B 005-0 25	SS-1	1.0	2.5	0.0	1.5	15	10	4	41	21	20	55	35	90	17	18	A-7-6	12	100					
		SS-2	3.5	5.0	2.5	4.0	24		3.25	39	16	23	42	43	85	18	16	A-6b	13						
		SS-3	6.0	7.5	5.0	6.5	10		4							21	16	A-6b	16						
		SS-4	8.5	10.0	7.5	9.0	24		4.5							12	16	A-6b							
6	B 006-0 25	SS-1	1.0	2.5	0.0	1.5	13	12	3.25	52	25	27	61	38	99	24	22	A-7-6	17	100					
		SS-2	3.5	5.0	2.5	4.0	12		4.75	34	17	17	54	34	88	24	16	A-6b	11						
		SS-3	6.0	7.5	5.0	6.5	24		2							20	16	A-6b	16						
		SS-4	8.5	9.4	7.5	8.4	4/50/5									7	0	Rock							
7	B 007-0 25	SS-1	1.0	2.5	0.0	1.5	31	22	4.5	44	19	25	35	43	78	16	18	A-7-6	15	100					
		SS-2	3.5	5.0	2.5	4.0	22		4.5	39	17	22	32	41	73	21	16	A-6b	12						
		SS-3	6.0	7.5	5.0	6.5	52		4.5	27	18	9	27	19	46	12	13	A-4a	2						
		SS-4	8.5	9.4	7.5	8.4	7/50/5									10	0	Rock							
8	B 008-0 25	SS-1	1.0	2.5	0.0	1.5	7	7	1.5	47	20	27	55	38	93	28	18	A-7-6	16	100		HP & Mc		15"	
		SS-2	3.5	5.0	2.5	4.0	12		2	48	23	25	57	41	98	28	20	A-7-6	16						
		SS-3	6.0	7.5	5.0	6.5	16		2.5							21	18	A-7-6	16						
		SS-4	8.5	10.0	7.5	9.0	21		3.75							22	18	A-7-6							
9	B 009-0 25	SS-1	1.0	2.5	0.0	1.5	44			20	15	5	13	3	16	7	6	A-1-b	0	100					
		SS-2	3.5	5.0	2.5	4.0	10		1.5	46	22	24	62	36	98	26	19	A-7-6	15						
		SS-3	6.0	7.5	5.0	6.5	16		2.75							20	18	A-7-6	16						

#	Boring	Sample	Sample Depth		Subgrade Depth		Standard Penetration		HP (tsf)	Physical Characteristics						Moisture		Ohio DOT		Sulfate Content (ppm)	Problem		Excavate and Replace (Item 204)		Recommendation (Enter depth in inches)
			From	To	From	To	N ₆₀	N _{60L}		LL	PL	PI	% Silt	% Clay	P200	M _C	M _{OPT}	Class	GI		Unsuitable	Unstable	Unsuitable	Unstable	
		SS-4	8.5	10.0	7.5	9.0	25	10	3.75							20	18	A-7-6							
10	B 010-0 25	SS-1	1.0	2.5	0.0	1.5	16	10		NP	NP	NP	12	6	18	6	6	A-1-b	0	100					
		SS-2	3.5	5.0	2.5	4.0	13		3.25	38	23	15	53	27	80	24	18	A-6a	10						
		SS-3	6.0	7.5	5.0	6.5	10		1.5	47	22	25	57	39	96	26	19	A-7-6	15						
		SS-4	8.5	10.0	7.5	9.0	13		3.5							22	18	A-7-6							
11	B 011-0 25	SS-1	1.0	2.5	0.0	1.5	13	13	4	46	20	26	44	43	87	16	18	A-7-6	16	100					
		SS-2	3.5	5.0	2.5	4.0	9/50/4"			NP	NP	NP	11	3	14	10	6	A-1-a	0						
		SS-3	6.0	7.5	5.0	6.5	102								12	6	A-1-a	0							
		SS-4	8.5	10.0	7.5	9.0	18								15	6	A-1-a								
12	B 012-0 25	SS-1	1.0	2.5	0.0	1.5	13	12	3.75	39	23	16	62	31	93	24	18	A-6b	10	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	12		2.5	47	22	25	57	41	98	23	19	A-7-6	15						
		SS-3	6.0	7.5	5.0	6.5	19		3							20	18	A-7-6	16						
		SS-4	8.5	10.0	7.5	9.0	21		1.75							24	18	A-7-6							
13	B 013-0 25	SS-1	1.0	2.5	0.0	1.5	10	10	3.5	44	21	23	62	35	97	27	18	A-7-6	14	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	18		4.5	36	16	20	39	37	76	20	16	A-6b	12						
		SS-3	6.0	7.5	5.0	6.5	24		3.5							23	16	A-6b	16						
		SS-4	8.5	10.0	7.5	9.0	1/50/5		4.5							13	10	A-4a							
14	B 014-0 25	SS-1	1.0	2.5	0.0	1.5	13	13	3.75	47	21	26	62	35	97	24	18	A-7-6	16	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	19		4.5	32	14	18	47	29	76	16	16	A-6b	11						
		SS-3	6.0	7.5	5.0	6.5	22		4.5							21	16	A-6b	16						
		SS-4	8.5	10.0	7.5	9.0	81		4.5							25	16	A-6b							
15	B 015-0 25	SS-1	1.0	2.5	0.0	1.5	10	10	3.25	41	22	19	64	33	97	22	19	A-7-6	12	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	10		4.5	36	19	17	41	43	84	18	16	A-6b	11						
		SS-3	6.0	7.5	5.0	6.5	27		4.5							19	16	A-6b	16						
		SS-4	8.5	10.0	7.5	9.0	92		4.5							15	10	A-4a							
16	B 016-0 25	SS-1	1.0	2.5	0.0	1.5	10	10	3.75	47	24	23	60	38	98	24	21	A-7-6	15	100		N ₆₀ & Mc		12"	
		SS-2	3.5	5.0	2.5	4.0	18		3.75	50	20	30	56	42	98	21	18	A-7-6	18						
		SS-3	6.0	7.5	5.0	6.5	27		4.5							21	18	A-7-6	16						
		SS-4	8.5	10.0	7.5	9.0	25/50		4.5							13	10	A-4a							
17	B 017-0 25	SS-1	1.0	2.5	0.0	1.5	15	15	4	42	23	19	62	34	96	25	20	A-7-6	12	100		Mc			
		SS-2	3.5	5.0	2.5	4.0	27		2.75							17	18	A-7-6	16						
		SS-3	6.0	7.5	5.0	6.5	25		4.5							28	18	A-7-6	16						
		SS-4	8.5	10.0	7.5	9.0	24		3.25	41	20	21	35	49	84	16	18	A-7-6							

PID: 122893

County-Route-Section: WAR-71

No. of Borings: 17

Geotechnical Consultant: Terracon

Prepared By: Munal Pandey, P.E.

Date prepared: 9/30/2025

Chemical Stabilization Options		
320	Rubblize & Roll	Option
206	Cement Stabilization	No
	Lime Stabilization	Option
206	Depth	12"

Excavate and Replace Stabilization Options	
Global Geotextile Average(N60L): Average(HP):	12" 0"
Global Geogrid Average(N60L): Average(HP):	0" 0"

Design CBR	5
---------------	---

% Samples within 3 feet of subgrade			
$N_{60} \leq 5$	0%	$HP \leq 0.5$	0%
$N_{60} < 12$	12%	$0.5 < HP \leq 1$	0%
$12 \leq N_{60} < 15$	20%	$1 < HP \leq 2$	6%
$N_{60} \geq 20$	10%	$HP > 2$	55%
M+	20%		
Rock	0%		
Unsuitable Soil	0%		

Excavate and Replace at Surface	
Average	0"
Maximum	0"
Minimum	0"

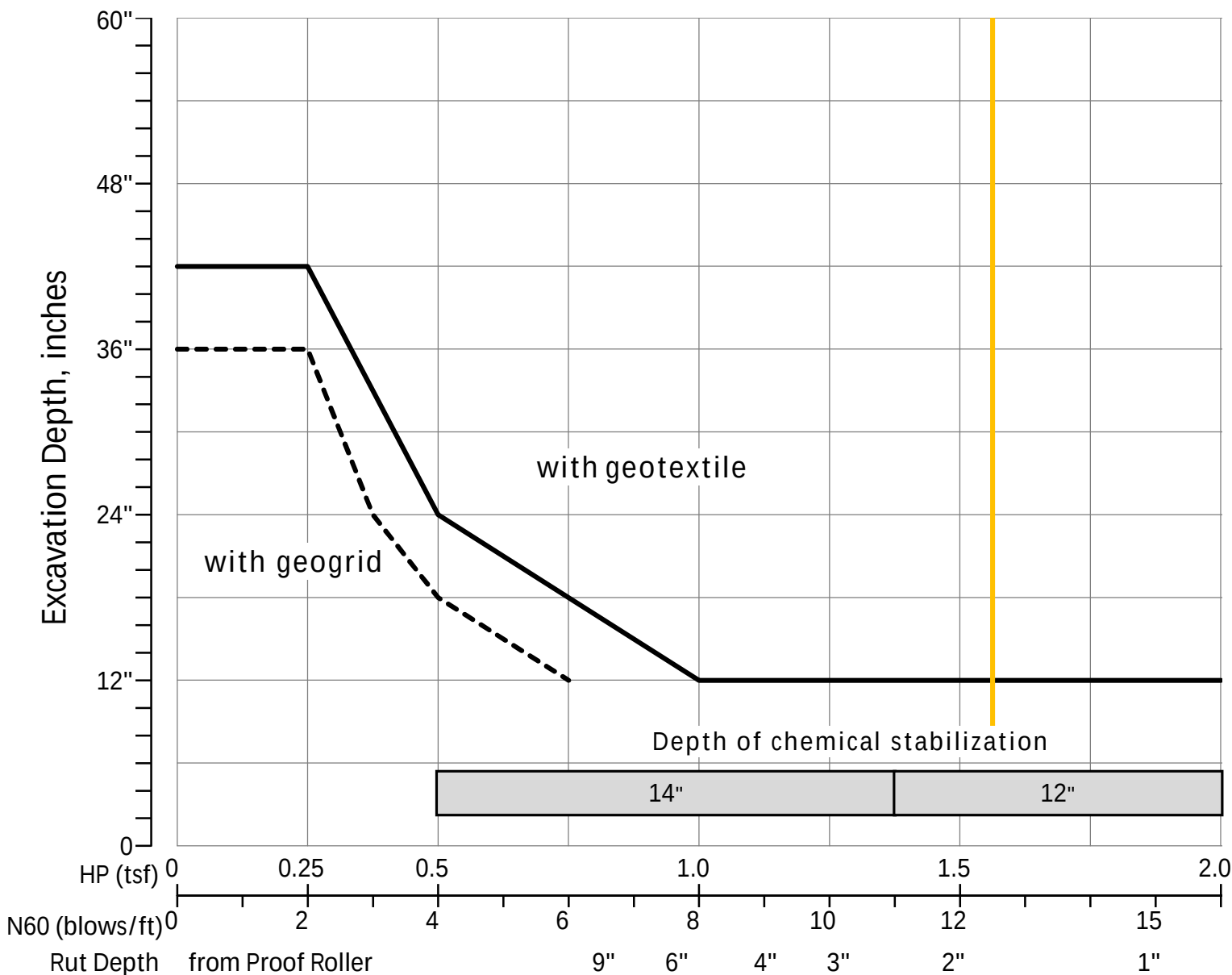
% Proposed Subgrade Surface	
Unstable & Unsuitable	29%
Unstable	29%
Unsuitable (Soil & Rock)	0%

	N ₆₀	N _{60L}	HP	LL	PL	PI	Silt	Clay	P 200	M _C	M _{OPT}	GI
Average	22	13	3.68	42	20	22	47	35	82	19	16	13
Maximum	102	22	4.75	52	25	30	67	51	99	28	22	18
Minimum	7	7	1.50	20	14	5	11	3	14	1	0	0

Classification Counts by Sample																					
ODOT Class	UCF	Rock	A-1-a	A-1-b	A-2-4	A-2-5	A-2-6	A-2-7	A-3	A-3a	A-4a	A-4b	A-5	A-6a	A-6b	A-7-5	A-7-6	A-8a	A-8b	Totals	
Count	0	3	3	2	0	0	0	0	0	0	4	0	0	1	19	0	36	0	0	68	
Percent	0%	4%	4%	3%	0%	0%	0%	0%	0%	0%	6%	0%	0%	1%	28%	0%	53%	0%	0%	100%	
% Rock Granular Cohesive	0%	4%	13%									82%									100%
Surface Class Count	0	0	1	2	0	0	0	0	0	0	0	0	0	1	8	0	22	0	0	34	
Surface Class Percent	0%	0%	3%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	24%	0%	65%	0%	0%	100%	



Fig. 600-1 – Subgrade Stabilization



VERRIDE TABLE

Calculated Average	New Values	Check to Override
3.68	0.50	☐ HP
12.59	6.00	☐ N60L

Average HP



Average N_{60L}



PROJECT DESCRIPTION

THIS PROJECT INCLUDES A PROPOSED TRUCK STOP TO BE LOCATED ADJACENT TO THE EXISTING REST AREA ALONG I-71 IN LEBANON, OHIO.

HISTORIC RECORDS

HISTORICAL GEOTECHNICAL PROFILES FOR THE EXISTING REST AREA WERE OBTAINED FROM ODOT'S TRANSPORTATION INFORMATION MAPPING SYSTEM (TIMS); HOWEVER, THESE BORINGS WERE PRIMARILY OUTSIDE THE LIMITS OF THE PROPOSED TRUCK STOP, AND THEREFORE ARE NOT SHOWN ON THE PLANS. RESULTS FOR THE EXPLORATION INDICATED SIMILAR SUBSURFACE CONDITIONS TO THOSE SHOWN IN THE HISTORICAL GEOTECHNICAL BORINGS.

GEOLOGY

THE PROJECT IS LOCATED IN THE ILLINOIAN TILL PLAIN, WHICH IS GENERALLY CHARACTERIZED BY ROLLING GROUND MORAINE OF OLDER TILL LACKING ICE-CONSTRUCTIONAL FEATURES, ALONG WITH MANY BURIED VALLEYS ALTERNATING BETWEEN BROAD FLOODPLAINS AND BEDROCK GORGES. ACCORDING TO USDA SOIL SURVEY MAPS, THE SURFICIAL SOILS AT THE SITE ARE PRIMARILY CLASSIFIED AS JONESBORO-ROSSMOYNE SILT LOAM, EXCEPT FOR THE SOUTHEASTERN CORNER, WHICH IS CLASSIFIED AS WESTBORO-SCHAFFER SILT LOAM. ALL THESE SOIL SERIES CONSIST OF FINE-SILTY SOILS FORMED IN LOESS OVER UNDERLYING TILL ON TILL PLAINS. THE JONESBORO-ROSSMOYNE SERIES IS MODERATELY WELL-DRAINED, WHILE THE WESTBORO-SCHAFFER SILT LOAM IS SOMEWHAT POORLY-DRAINED.

BEDROCK IN THE SOUTHERN HALF IS MAPPED AS THE ORDOVICIAN AGE BEDROCK BELONGING TO THE DRAKES, WHITEWATER, AND LIBERTY FORMATIONS, CONSISTING OF INTERBEDDED SHALE AND LIMESTONE. BEDROCK TOPOGRAPHIC MAPPING INDICATED BEDROCK AT ELEVATIONS RANGING BETWEEN 900 AND 950 FEET MSL. BEDROCK WAS ENCOUNTERED AT A DEPTH OF 8.5 FEET BELOW THE EXISTING SITE GRADES AT 3 OF THE 17 BORINGS, WHICH IS CONSISTENT WITH THIS ELEVATION RANGE.

RECONNAISSANCE

FIELD RECONNAISSANCE WAS PERFORMED BY TERRACON PERSONNEL ON AUGUST 12, 2025. THE EXISTING REST AREA AT THE PROJECT SITE (BOTH THE NORTHBOUND AND SOUTHBOUND REST AREAS) FEATURES ASPHALT PARKING LOTS DESIGNED FOR TRUCKS AND PRIVATE VEHICLES, AS WELL AS VISITOR CENTERS. THE SURROUNDING AREA WHERE THE ADDITIONAL TRUCK PARKING SPACES ARE BEING PLANNED IS PRIMARILY AGRICULTURAL WITH OPEN FIELDS AND WOODED AREAS. THE EXISTING PAVEMENT APPEARS TO BE IN FAIR CONDITION.

SUBSURFACE EXPLORATION

A TOTAL OF SEVENTEEN (17) TEST BORINGS WERE PERFORMED BY TERRACON BETWEEN AUGUST 20 TO AUGUST 22, 2025. THE GROUND SURFACE ELEVATIONS AND COORDINATES WERE RECORDED BY TERRACON USING AN EMLID RX GPS UNIT.

THE TEST BORINGS WERE PERFORMED WITH A TRACK-MOUNTED DRILL RIG. THE DRILL RIG UTILIZED HOLLOW-STEM AUGERS TO PERMIT SPLIT-SPOON SAMPLING IN OVERBURDEN SOILS. DRILLING AND SAMPLING PROCEDURES WERE PERFORMED IN GENERAL ACCORDANCE WITH THE ODOT SGE (7/18/2025). THE AVERAGE DRILL RIG ENERGY RATIO (ER) FOR THE CME-55 DRILL RIG WAS 88.8 PERCENT (CALIBRATION DATE 12/6/2024).

GROUNDWATER LEVELS WERE OBSERVED DURING DRILLING AND IMMEDIATELY AT THE COMPLETION OF THE DRILLING ACTIVITIES AT EACH TEST BORING LOCATION. GROUNDWATER WAS ENCOUNTERED IN THE BORING B-006-0-25 AND B-011-0-25 DURING AND AT COMPLETION OF DRILLING ACTIVITIES, AND NO LONG-TERM (24-HOUR) WATER LEVEL READINGS WERE OBTAINED AT THE TEST BORING LOCATIONS. UPON COMPLETION OF THE DRILLING ACTIVITIES AND FOLLOWING WATER LEVEL OBSERVATIONS, THE BOREHOLES WERE BACKFILLED WITH AUGER CUTTINGS MIXED WITH BENTONITE CHIPS PER SGE REQUIREMENTS.

EXPLORATION FINDINGS

THE SUBSURFACE PROFILE IN THE TEST BORINGS CONSISTED PRIMARILY OF STIFF TO HARD NATIVE COHESIVE SOILS OF (A-4A, A-6A, A-6B, AND A-7-6). EXISTING FILL CONSISTING OF BOTH COHESIVE AND GRANULAR SOIL LAYERS (A-7-6, A-1-A, AND A-1-B) WAS ENCOUNTERED AT BORINGS B-009-0-25 THROUGH B-012-0-25, LOCATED TOWARDS THE EASTERN PART OF THE EXISTING NORTHBOUND REST AREA. INTERBEDDED SHALE AND LIMESTONE BEDROCK WAS ENCOUNTERED AT BORINGS B-003-0-25, B-006-0-25, AND B-007-0-25 AT A DEPTH OF 8.5 FEET BELOW THE EXISTING GROUND SURFACE.

THE BOREHOLES WERE OBSERVED WHILE DRILLING AND AFTER COMPLETION FOR THE PRESENCE AND LEVEL OF GROUNDWATER. GROUNDWATER WAS ENCOUNTERED AT DEPTHS RANGING FROM 5 TO 8.5 FEET BELOW THE EXISTING SITE GRADES AT TWO TEST BORINGS (B-006-0-25 AND B-011-0-25) DURING THE OBSERVATIONS.

SPECIFICATIONS

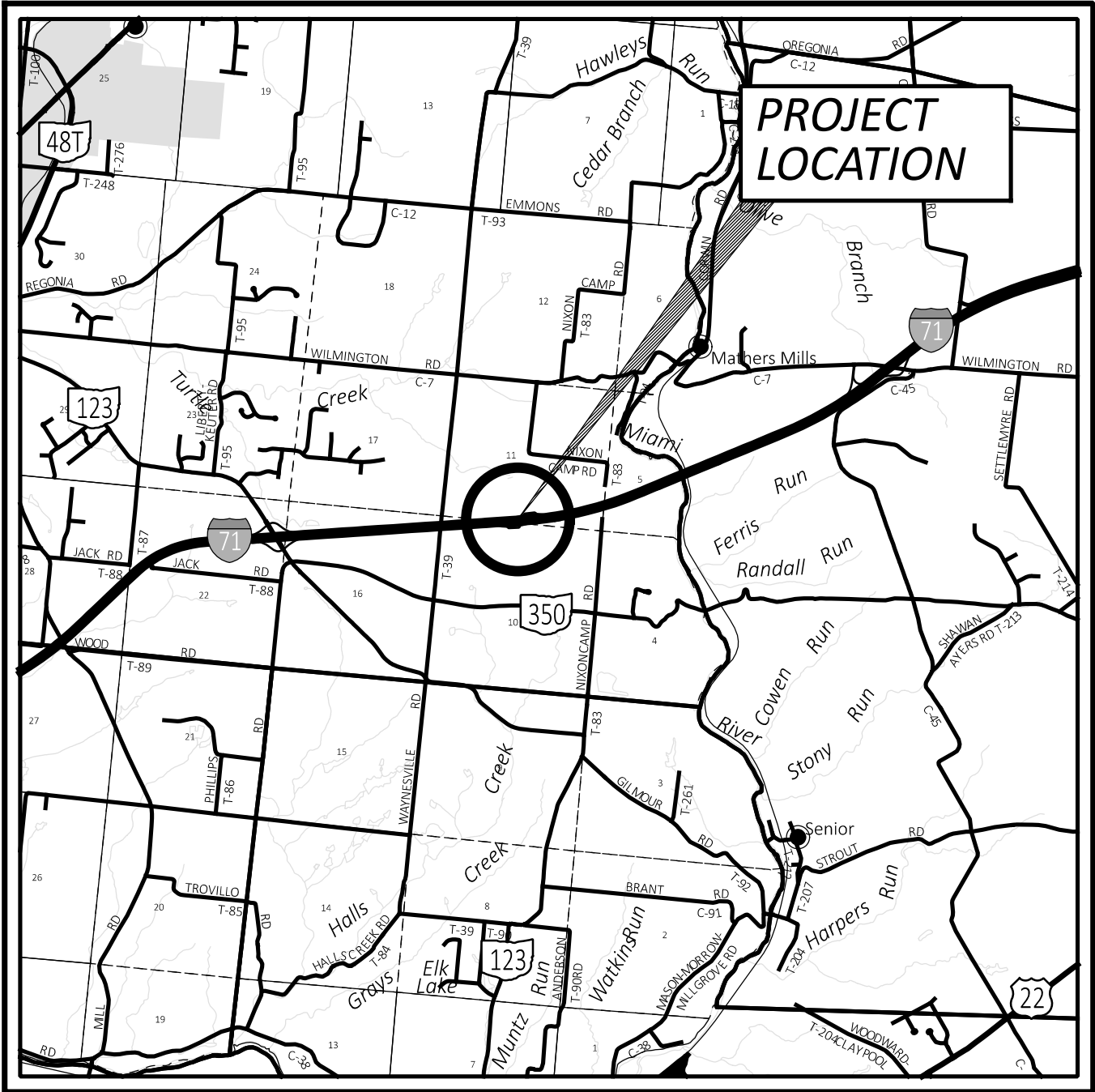
THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATION FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2025.

AVAILABLE INFORMATION

ALL AVAILABLE SOIL AND BEDROCK INFORMATION THAT CAN BE CONVENIENTLY SHOWN ON THE GEOTECHNICAL EXPLORATION SHEETS HAS BEEN SO REPORTED. ADDITIONAL EXPLORATIONS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECTS OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE OR THE OFFICE OF GEOTECHNICAL ENGINEERING.

LEGEND

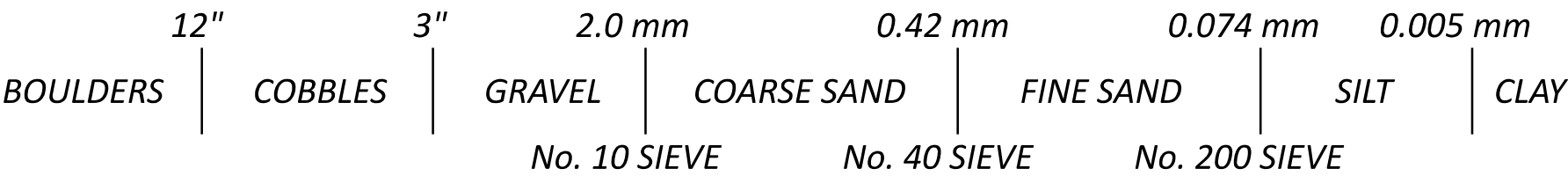
DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
GRAVEL AND/OR STONE FRAGMENTS	A-1-A	1	2
GRAVEL AND/OR STONE FRAGMENTS WITH SAND	A-1-B	2	0
SANDY SILT	A-4A	1	3
SILT AND CLAY	A-6A	1	0
SILTY CLAY	A-6B	9	10
CLAY	A-7-6	22	14
	TOTAL	39	29
INTERBEDDED SHALE AND LIMESTONE			
PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL		
SOD AND TOPSOIL = X = APPROXIMATE THICKNESS	VISUAL		
BORING LOCATION - PLAN VIEW.			
DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.			
WC	INDICATES WATER CONTENT IN PERCENT.		
N ₆₀	INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.		
X/Y/Z	NUMBER OF BLOWS FOR STANDARD PENETRATION TEST (SPT): X= NUMBER OF BLOWS FOR FIRST 6 INCHES. Y= NUMBER OF BLOWS FOR SECOND 6 INCHES. Z= NUMBER OF BLOWS FOR THIRD 6 INCHES.		
W	INDICATES FREE WATER ELEVATION.		
SS	INDICATES A SPLIT SPOON SAMPLE.		



LOCATION MAP

SCALE IN MILES

PARTICLE SIZE DEFINITIONS



RECON. - DA - 8/12/2025
DRILLING - CK/JF 8/20/2025 - 8/22/2025
DRAWN - BM 5/12/2026
REVIEWED - DWW 1/15/2026

WAR-IR 71 REST AREAS TP

MODEL: Sheet PAPER:SIZE: 34x22 (in.) DATE: 7/1/2026 TIME: 10:14:28 PM PLTDRV: OHDOT_PDF.pltctg PENTBL: OHDOT_Pen.tbl USER: Noah.Ballard@woolpert.com WORKSPACE: OHDOTCEV02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25

pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 08\Warren\122893\401-Engineering_Woolpert\Geotechnical\Sheets\122893_ID001.dgn

SUMMARY OF SOIL TEST DATA

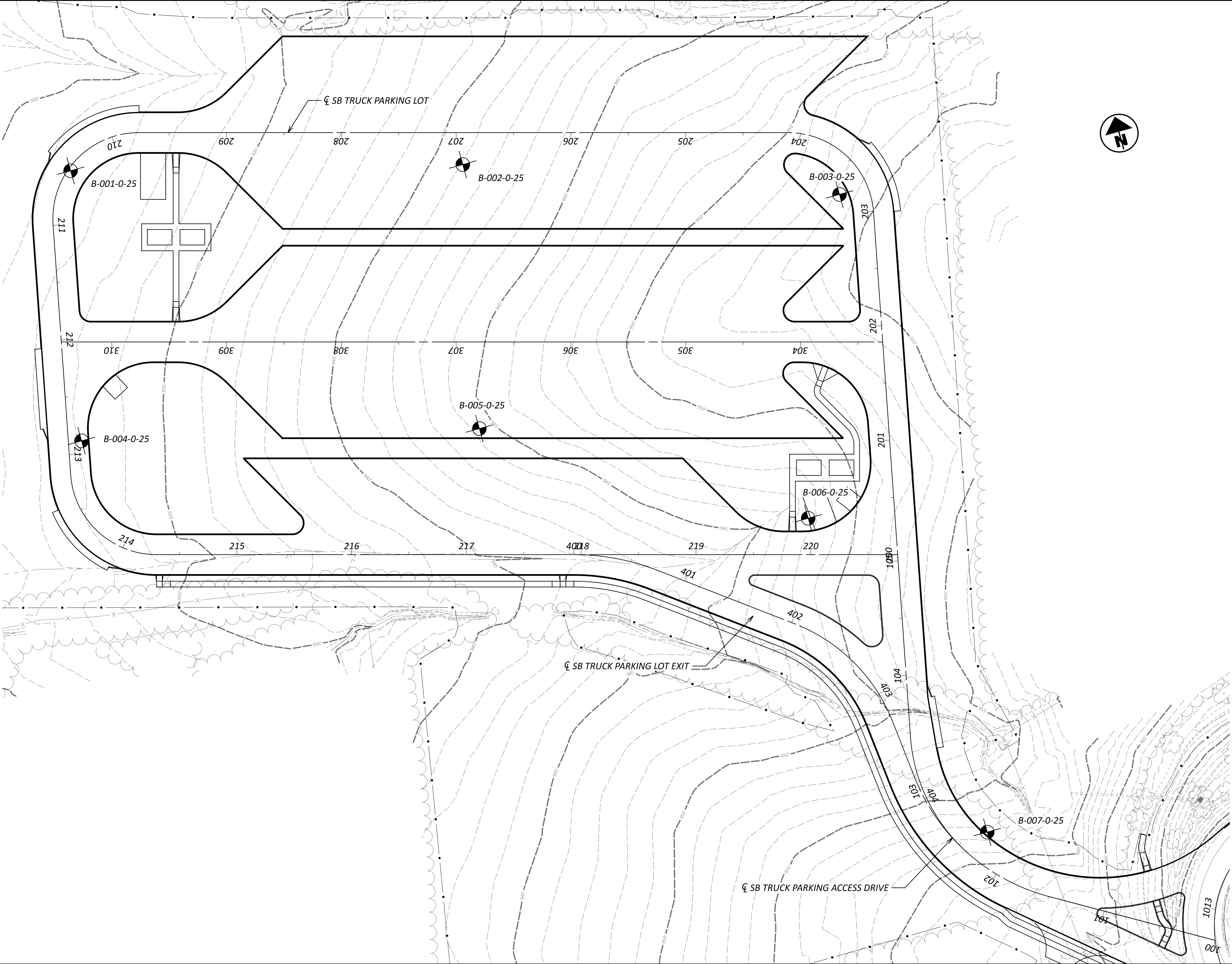
EXPLOR. ID	FROM	TO	SAMPLE ID	N60	% REC	tsf	GR	CS	FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-001-0-25 STA. 210+48, 2' LT. LATITUDE = 39.418403 LONGITUDE = -84.126285	1.00	- 02.50	SS-1	13	72	4.50	0	2	4	50	44	50	20	30	22	A-7-6 (18)	-
	3.50	- 05.00	SS-2	16	94	4.50	0	3	13	38	46	47	18	29	21	A-7-6 (17)	<100
	6.00	- 07.50	SS-3	22	94	4.50				SAME AS SS-2					23	A-7-6 (VISUAL)	-
	8.50	- 10.00	SS-4	18	100	3.00				SAME AS B-002-0-25 SS-3					16	A-6b (VISUAL)	-
B-002-0-25 STA. 206+94, 28' LT. LATITUDE = 39.418167 LONGITUDE = -84.125115	1.00	- 02.50	SS-1	13	83	4.25	0	1	3	59	37	45	22	23	24	A-7-6 (14)	-
	3.50	- 05.00	SS-2	19	100	3.75				SAME AS SS-1					19	A-7-6 (VISUAL)	<100
	6.00	- 07.50	SS-3	19	100	2.25	1	5	19	39	36	36	15	21	19	A-6b (12)	-
	8.50	- 10.00	SS-4	24	100	4.50				SAME AS SS-3					25	A-6b (VISUAL)	-
B-003-0-25 STA. 203+26, 25' LT. LATITUDE = 39.417857 LONGITUDE = -84.124020	1.00	- 02.50	SS-1	19	83	4.50	2	5	16	36	41	42	19	23	15	A-7-6 (14)	-
	3.50	- 05.00	SS-2	19	78	4.50				SAME AS SS-1					18	A-7-6 (VISUAL)	<100
	6.00	- 07.50	SS-3	28	67	4.50	6	1	8	34	51	41	20	21	20	A-7-6 (13)	-
	8.50	- 09.40	SS-4	29/50/5"	100	-				SAME AS SS-3					1	Rock (VISUAL)	-
B-004-0-25 STA. 212+89, 12' LT. LATITUDE = 39.417773 LONGITUDE = -84.126475	1.00	- 02.50	SS-1	15	89	4.00	0	1	3	67	29	39	22	17	20	A-6b (11)	-
	3.50	- 05.00	SS-2	16	100	2.50	1	6	18	38	37	45	19	26	21	A-7-6 (15)	<100
	6.00	- 07.50	SS-3	24	100	4.50				SAME AS SS-2					17	A-7-6 (VISUAL)	-
	8.50	- 10.00	SS-4	13	100	4.00				SAME AS SS-3					15	A-6b (VISUAL)	-
B-005-0-25 STA. 217+11, 110' LT. LATITUDE = 39.417548 LONGITUDE = -84.125283	1.00	- 02.50	SS-1	15	100	4.00	0	4	6	55	35	41	21	20	17	A-7-6 (12)	-
	3.50	- 05.00	SS-2	24	78	3.25	1	3	11	42	43	39	16	23	18	A-6b (13)	<100
	6.00	- 07.50	SS-3	10	72	4.00				SAME AS SS-2					21	A-6b (VISUAL)	-
	8.50	- 10.00	SS-4	24	72	4.50	-	-	-	-	-	-	-	-	12	A-6b (VISUAL)	-
B-006-0-25 STA. 219+98, 37' LT. LATITUDE = 39.417131 LONGITUDE = -84.124380	1.00	- 02.50	SS-1	13	89	3.25	0	0	1	61	38	52	25	27	24	A-7-6 (17)	-
	3.50	- 05.00	SS-2	12	94	4.75	0	3	9	54	34	34	17	17	24	A-6b (11)	<100
	6.00	- 07.50	SS-3	24	89	2.00				SAME AS SS-2					20	A-6b (VISUAL)	-
	8.50	- 09.40	SS-4	44/50/5"	100	-				SHALE WITH INTERBEDDED LIMESTONE					7	Rock (VISUAL)	-
B-007-0-25 STA. 102+30, 25' RT. LATITUDE = 39.416293 LONGITUDE = -84.124106	1.00	- 02.50	SS-1	31	78	4.50	1	6	15	35	43	44	19	25	16	A-7-6 (15)	-
	3.50	- 05.00	SS-2	22	50	4.50	12	7	8	32	41	39	17	22	21	A-6b (12)	<100
	6.00	- 07.50	SS-3	52	100	4.50	39	11	4	27	19	27	18	9	12	A-4a (2)	-
	8.50	- 09.40	SS-4	37/50/5"	100	-				SHALE WITH INTERBEDDED LIMESTONE					10	Rock (VISUAL)	-
B-008-0-25 STA. 809+90, 98' LT. LATITUDE = 39.414081 LONGITUDE = -84.119365	1.00	- 02.50	SS-1	7	67	1.50	1	3	3	55	38	47	20	27	28	A-7-6 (16)	-
	3.50	- 05.00	SS-2	12	100	2.00	0	1	1	57	41	48	23	25	28	A-7-6 (16)	<100
	6.00	- 07.50	SS-3	16	100	2.50				SAME AS SS-2					21	A-7-6 (VISUAL)	-
	8.50	- 10.00	SS-4	21	100	3.75				SAME AS SS-3					22	A-7-6 (VISUAL)	-
B-009-0-25 STA. 807+00, 38' RT. LATITUDE = 39.414262 LONGITUDE = -84.120586	1.00	- 02.50	SS-1	44	100	-	49	28	7	13	3	20	15	5	7	A-1-b (0)	-
	3.50	- 05.00	SS-2	10	94	1.50	0	1	1	62	36	46	22	24	26	A-7-6 (15)	<100
	6.00	- 07.50	SS-3	16	100	2.75				SAME AS SS-3					20	A-7-6 (VISUAL)	-
	8.50	- 10.00	SS-4	25	100	3.75				SAME AS SS-3					20	A-7-6 (VISUAL)	-
B-010-0-25 STA. 812+04, 46' LT. LATITUDE = 39.413733 LONGITUDE = -84.120315	1.00	- 02.50	SS-1	16	50	-	60	16	6	12	6	NP	NP	NP	6	A-1-b (0)	-
	3.50	- 05.00	SS-2	13	89	3.25	7	7	6	53	27	38	23	15	24	A-6b (10)	<100
	6.00	- 07.50	SS-3	10	100	1.50	0	1	3	57	39	47	22	25	26	A-7-6 (15)	-
	8.50	- 10.00	SS-4	13	100	3.50				SAME AS SS-3					22	A-7-6 (VISUAL)	-
B-011-0-25 STA. 815+17, 12' LT. LATITUDE = 39.413714 LONGITUDE = -84.121428	1.00	- 02.50	SS-1	13	61	4.00	3	4	6	44	43	46	20	26	16	A-7-6 (16)	-
	3.50	- 04.30	SS-2	19/50/4"	80	-	51	25	10	11	3	NP	NP	NP	10	A-1-a (0)	<100
	6.00	- 07.50	SS-3	102	67	-				SAME AS					12	A-1-a (VISUAL)	-
	8.50	- 10.00	SS-4	18	44	-				SAME AS					15	A-1-a (VISUAL)	-
B-012-0-25 STA. 804+15, 68' RT. LATITUDE = 39.414051 LONGITUDE = -84.121569	1.00	- 02.50	SS-1	13	89	3.75	2	2	3	62	31	39	23	16	24	A-6b (10)	-
	3.50	- 05.00	SS-2	12	83	2.50	0	0	2	57	41	47	22	25	23	A-7-6 (15)	<100
	6.00	- 07.50	SS-3	19	100	3.00				SAME AS SS-2					20	A-7-6 (VISUAL)	-
	8.50	- 10.00	SS-4	21	11	1.75				SAME AS SS-3					24	A-7-6 (VISUAL)	-
B-013-0-25 STA. 800+48, 8' LT. LATITUDE = 39.414129 LONGITUDE = -84.122893	1.00	- 02.50	SS-1	10	89	3.50	0	1	2	62	35	44	21	23	27	A-7-6 (14)	-
	3.50	- 05.00	SS-2	18	94	4.50	1	11	12	39	37	36	16	20	20	A-6b (12)	<100
	6.00	- 07.50	SS-3	24	100	3.50				SAME AS SS-2					23	A-6b (VISUAL)	-
	8.50	- 09.40	SS-4	21/50/5"	100	4.50				SAME AS B-007-0-25 SS-3					13	A-4a (VISUAL)	-
B-014-0-25 STA. 601+13, 9' LT. LATITUDE = 39.413661 LONGITUDE = -84.121769	1.00	- 02.50	SS-1	13	78	3.75	0	1	2	62	35	47	21	26	24	A-7-6 (16)	-
	3.50	- 05.00	SS-2	19	100	4.50	1	6	17	47	29	32	14	18	16	A-6b (11)	<100
	6.00	- 07.50	SS-3	22	100	4.50				SAME AS SS-2					21	A-6b (VISUAL)	-
	8.50	- 10.00	SS-4	81	100	4.50				SAME AS SS-3					25	A-6b (VISUAL)	-
B-015-0-25 STA. 603+88, 37' LT. LATITUDE = 39.413901 LONGITUDE = -84.125570	1.00	- 02.50	SS-1	10	78	3.25	0	2	1	64	33	41	22	19	22	A-7-6 (12)	-
	3.50	- 05.00	SS-2	10	56	4.50	1	4	11	41	43	36	19	17	18	A-6b (11)	<100
	6.00	- 07.50	SS-3	27	78	4.50				SAME AS SS-2					19	A-6b (VISUAL)	-
	8.50	- 10.00	SS-4	92	94	4.50				SAME AS B-007-0-25 SS-3					15	A-4a (VISUAL)	-
B-016-0-25 STA. 612+61, 8' LT. LATITUDE = 39.413504 LONGITUDE = -84.126102	1.00	- 02.50	SS-1	10	83	3.75	0	1	1	60	38	47	24	23	24	A-7-6 (15)	-
	3.50	- 05.00	SS-2	18	94	3.75	0	0	2	56	42	50	20	30	21	A-7-6 (18)	<100
	6.00	- 07.50	SS-3	27	100	4.50				SAME AS SS-3					21	A-7-6 (VISUAL)	-
	8.50	- 09.60	SS-4	11/25/50/1"	85	4.50				SAME AS B-007-0-25 SS-3					13	A-4a (VISUAL)	-
B-017-0-25 STA. 609+03, 63' LT. LATITUDE = 39.413696 LONGITUDE = -84.126945	1.00	- 02.50	SS-1	15	89	4.00	0	2	2	62	34	42	23	19	25	A-7-6 (12)	-
	3.50	- 05.00	SS-2	27	94	2.75				SAME AS SS-1					17	A-7-6 (VISUAL)	<100
	6.00	- 07.50	SS-3	25	100	4.50				SAME AS SS-2					28	A-7-6 (VISUAL)	-
	8.50	- 10.00	SS-4	24	100	3.25	7	4	5	35	49	41	20	21	16	A-7-6 (13)	-

SUMMARY OF SOIL TEST DATA
WAR-IR 71 REST AREAS TP

WAR-IR 71 REST AREAS TP

MODEL: SB Lot - Plan [Sheet] PAPER:SIZE: 34x22 (in.) DATE: 7/1/2026 TIME: 10:15:24 PM PLTDRV: OHDOT_PDF.plt PENTBL: OHDOT_Pen.tbl USER: Noah.Ballard@woolpert.com WORKSPACE: OHDOTCEV02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25

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SOUTHBOUND TRUCK PARKING LOT - PLAN
WAR-IR 71 REST AREAS TP

DESIGN AGENCY



DESIGNER

MP

REVIEWER

DWW 01/15/26

PROJECT ID

122893

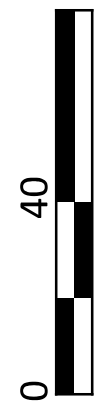
SUBSET TOTAL

3 9

SHEET TOTAL

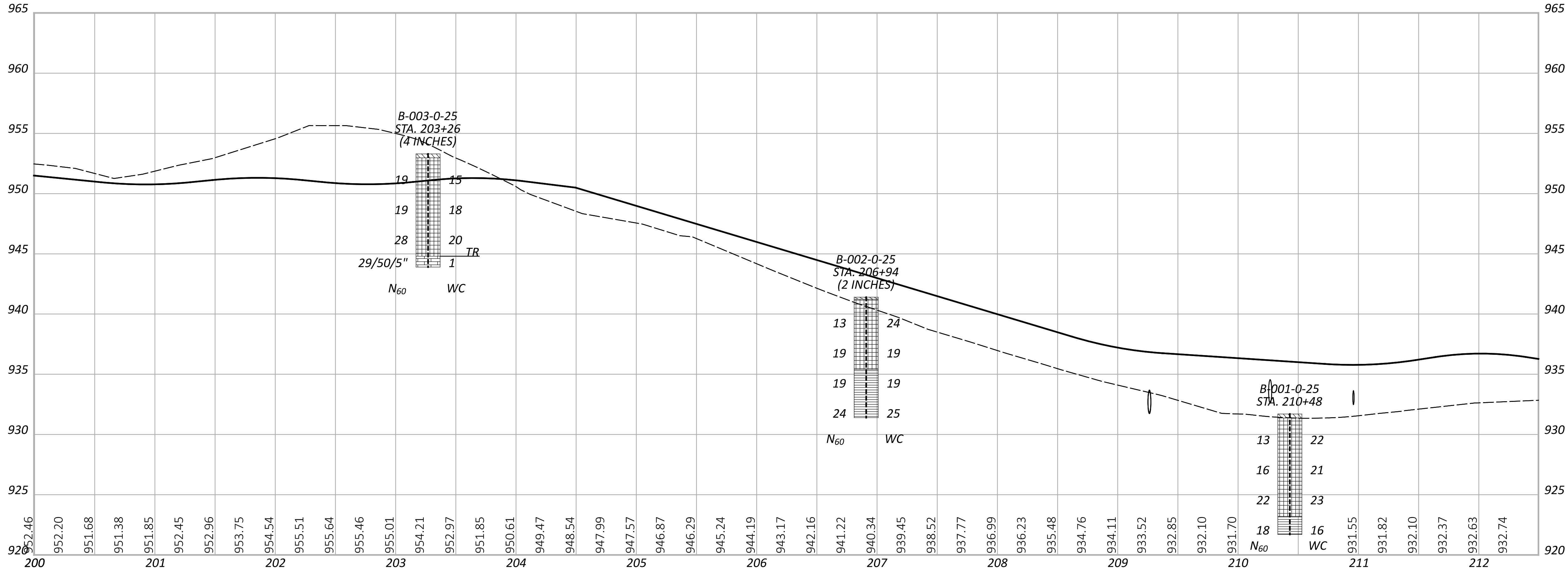
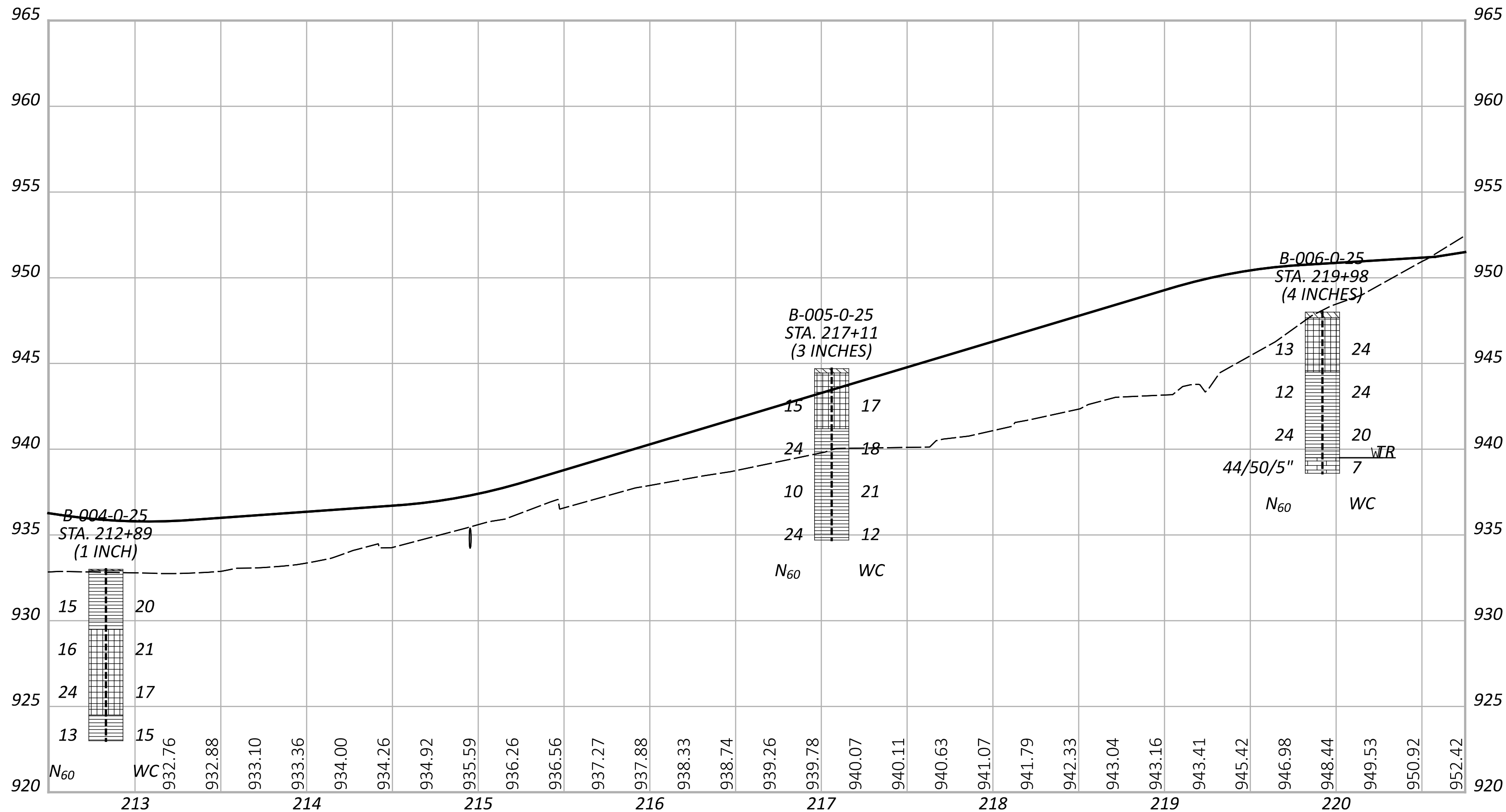
P.199 205

HORIZONTAL
SCALE IN FEET



WAR-IR 71 REST AREAS TP

MODEL: SB Lot - Profile [Sheet] PAPER: 34x22 (in.) DATE: 7/1/2026 TIME: 10:15:32 PM PLTDRY: OHDOT_PDF.plt PENTBL: OHDOT_Pen.tbl USER: Noah.Ballard@woolpert.com WORKSPACE: OHDOTCEV02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
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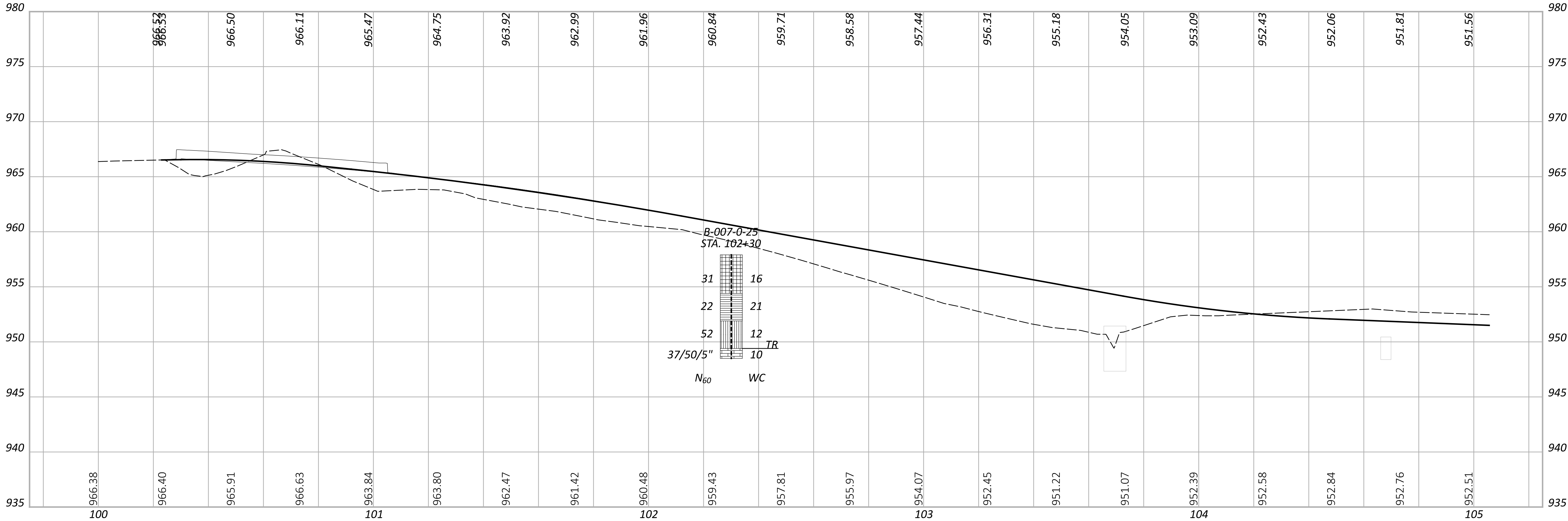
SOUTHBOUND TRUCK PARKING LOT - PROFILE
WAR-IR 71 REST AREAS TP

DESIGN AGENCY
terracon
DESIGNER
MP
REVIEWER
DWW 01/15/26
PROJECT ID
122893
SUBSET TOTAL
4 9
SHEET TOTAL
P.200 205

WAR-IR 71 REST AREAS TP

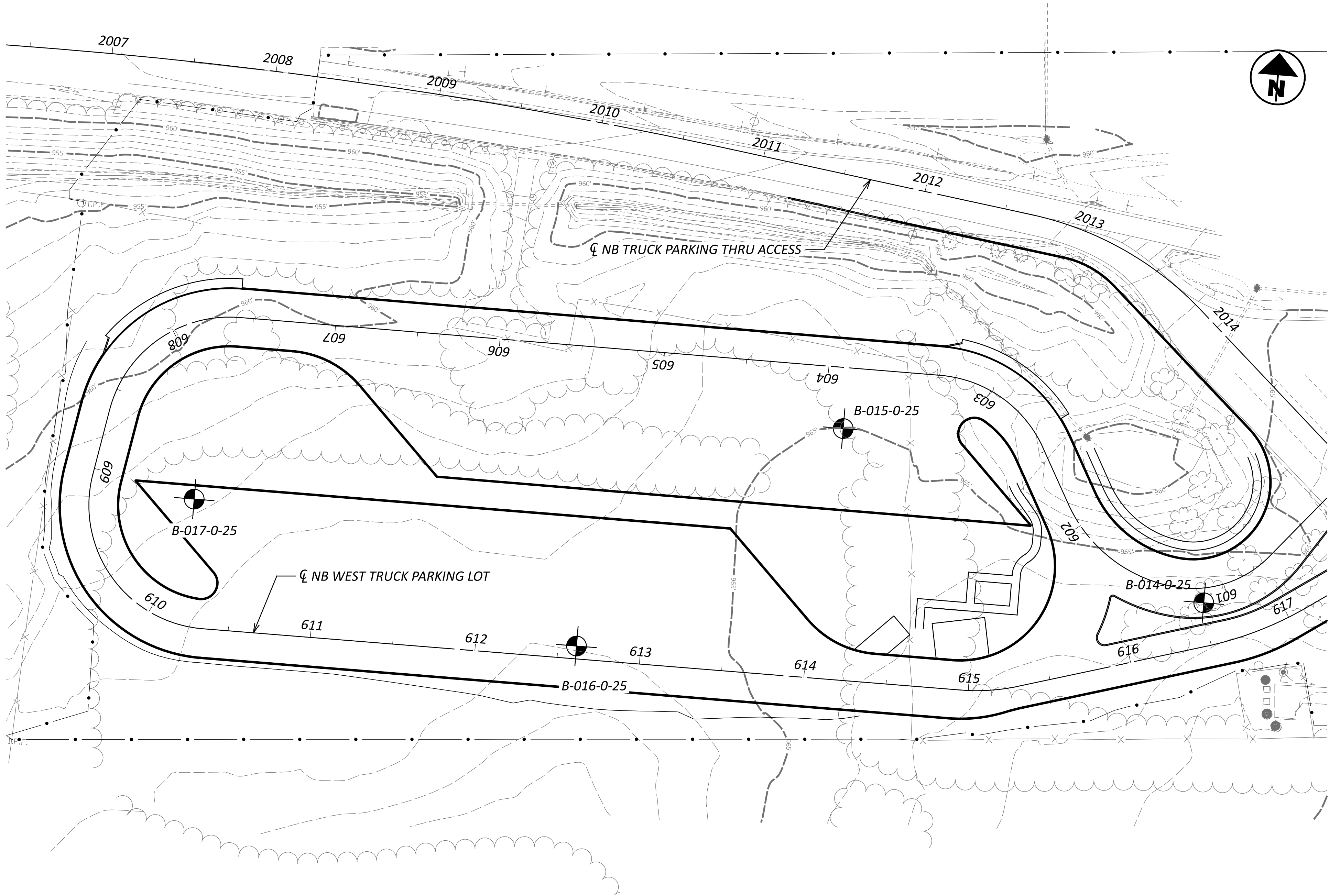
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SOUTHBOUND TRUCK PARKING ACCESS DRIVE - PROFILE
WAR-IR 71 REST AREAS TP

DESIGN AGENCY	
	
DESIGNER	
MP	
REVIEWER	
DWW 01/15/26	
PROJECT ID	
122893	
SUBSET	TOTAL
5	9
SHEET	TOTAL
P.201	205



NORTHBOUND WEST TRUCK PARKING LOT - PLAN
WAR-IR 71 REST AREAS TP



DESIGNER

MP

REVIEWER

DWW 01/15/26

PROJECT ID

122893

SUBSET TOTAL

6 9

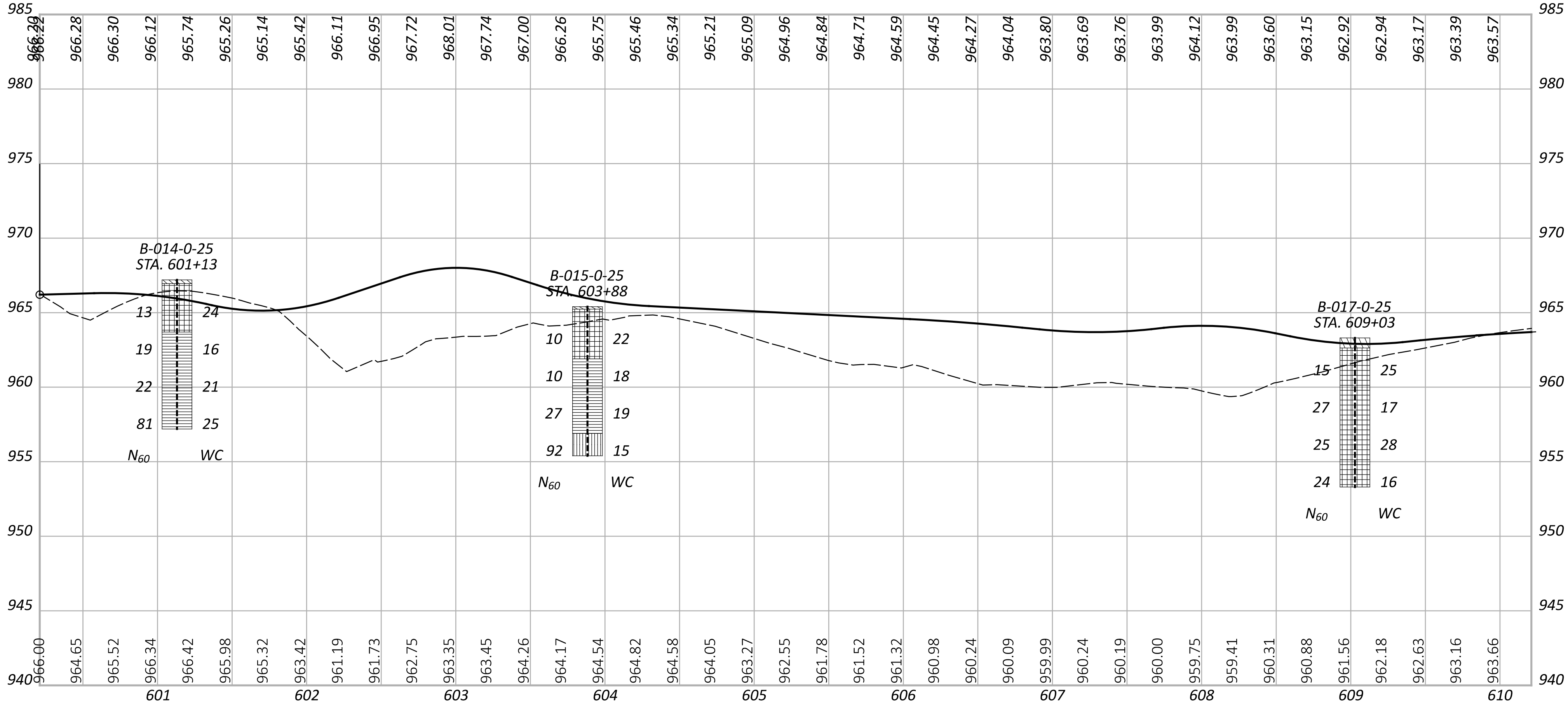
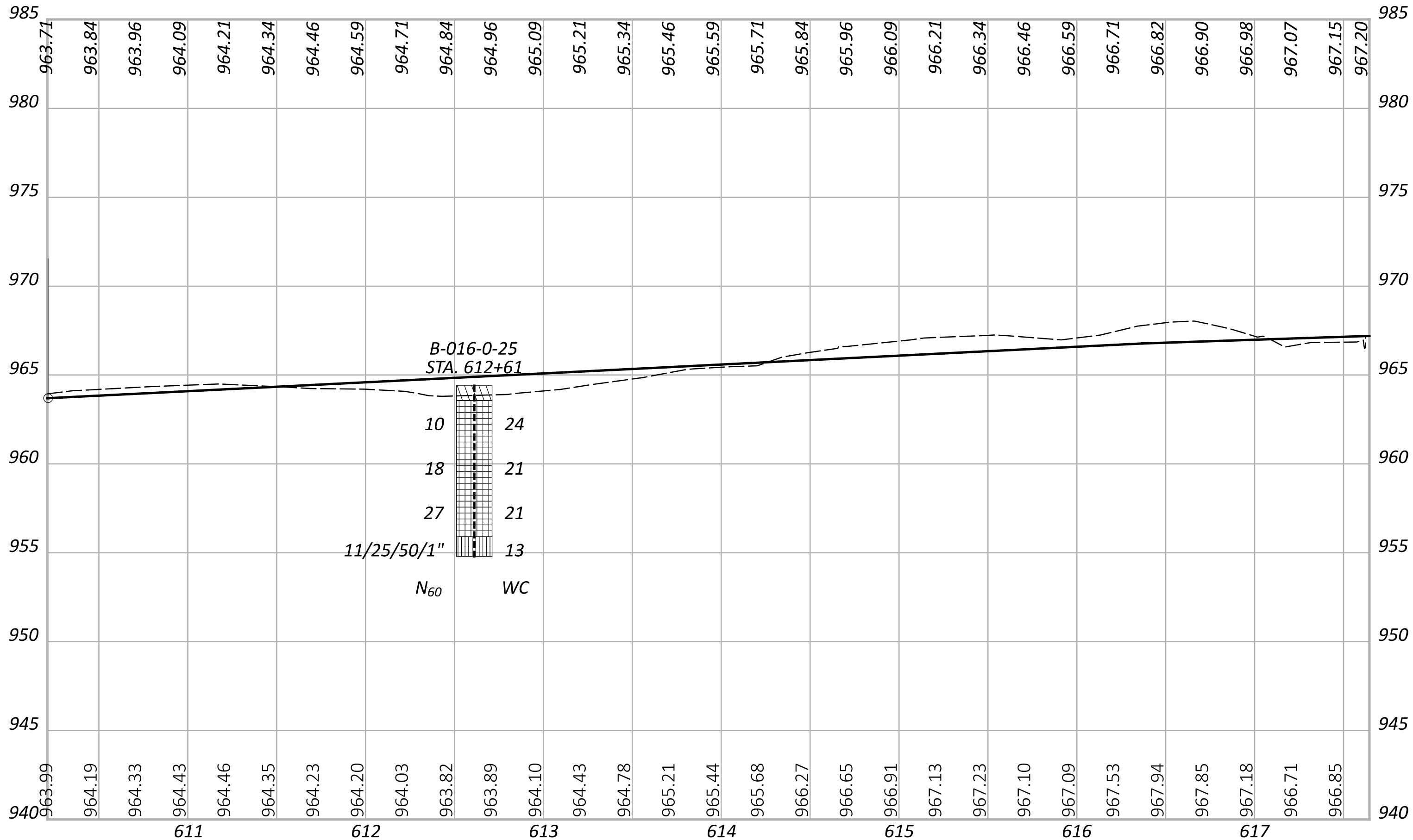
SHEET TOTAL

P.202 205

WAR-IR 71 REST AREAS TP

MODEL: NB W Lot Profile - Profile [Sheet] PAPER: 34x22 (in.) DATE: 7/1/2026 TIME: 10:15:45 PM PLTDRV: OHDOT_PDF-plotfig PENTBL: OHDOT Pen.tbl USER: Noah.Ballard@woolpert.com WORKSPACE: OHDOTCv02 WORKSET: 122893 PRODUCT: OpenRoadDesigner 24.00.02.25

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NORTHBOUND WEST TRUCK PARKING LOT - PROFILE
WAR-IR 71 REST AREAS TP

DESIGN AGENCY

**Ierracon**
CORPORATION

DESIGNER

MP

REVIEWER

DWW 01/15/26

PROJECT ID

122893

SUBSET

7

TOTAL

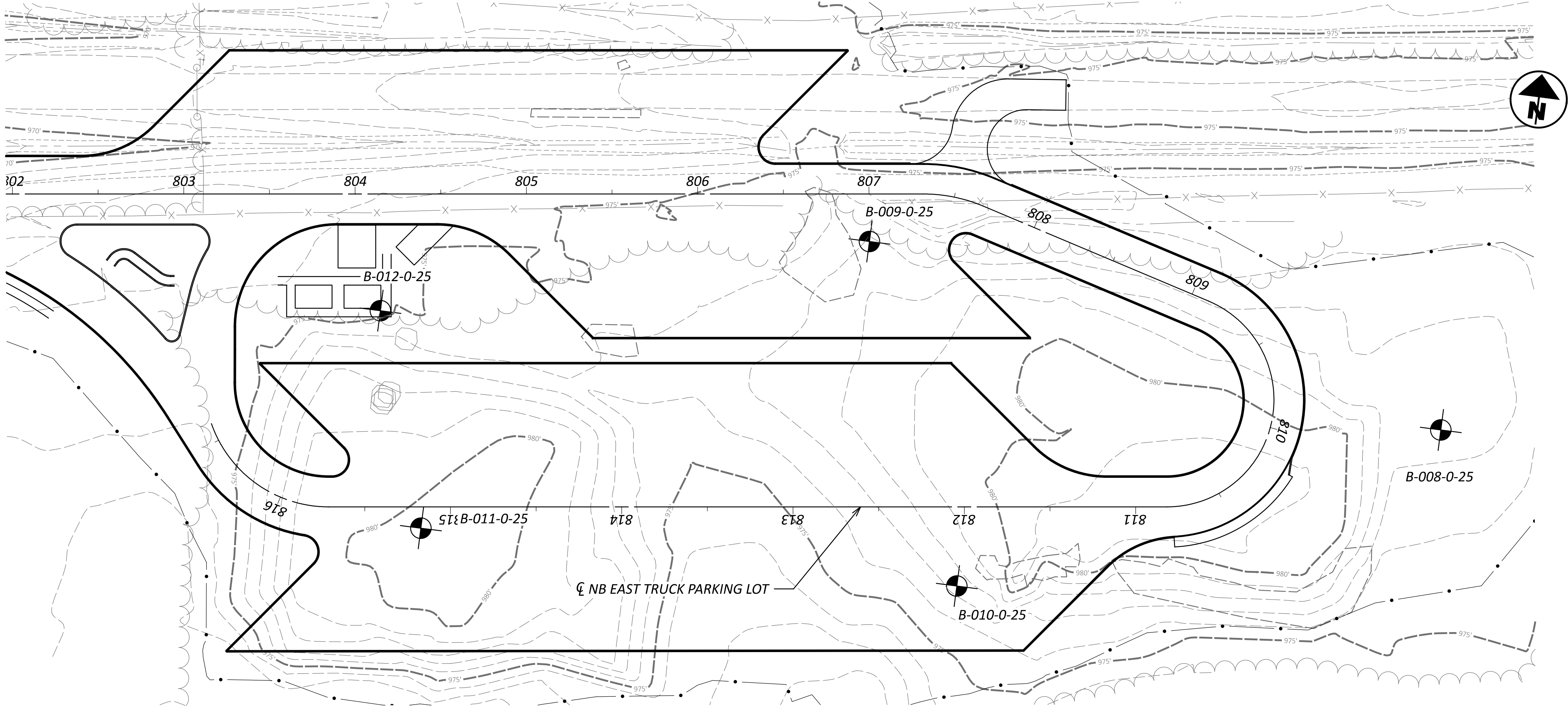
9

SHEET

P.203

TOTAL

205



NORTHBOUND EAST TRUCK PARKING LOT - PLAN
WAR-IR 71 REST AREAS TP



DESIGNER
MP

REVIEWER
DWW 01/15/26

PROJECT ID
122893

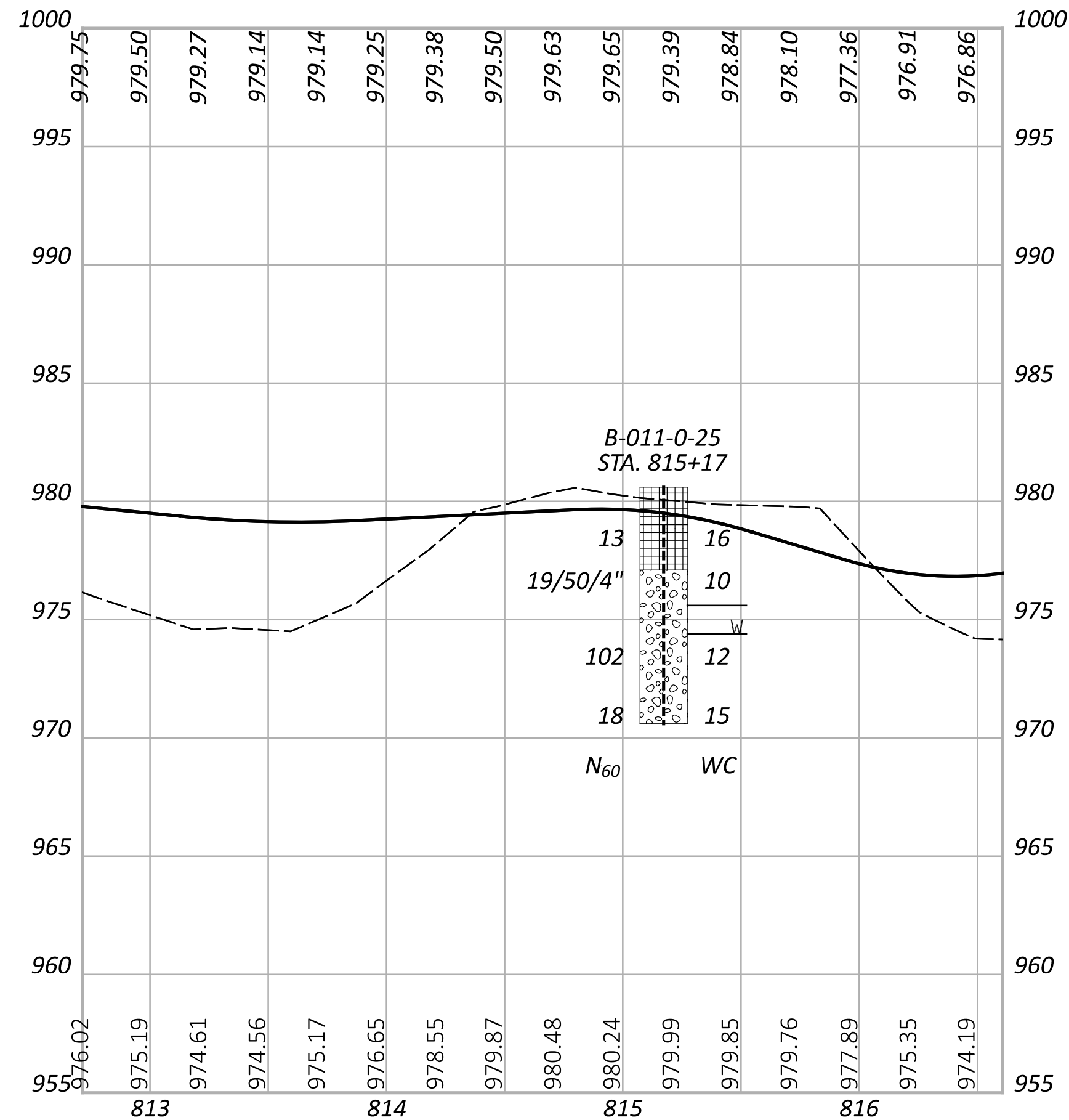
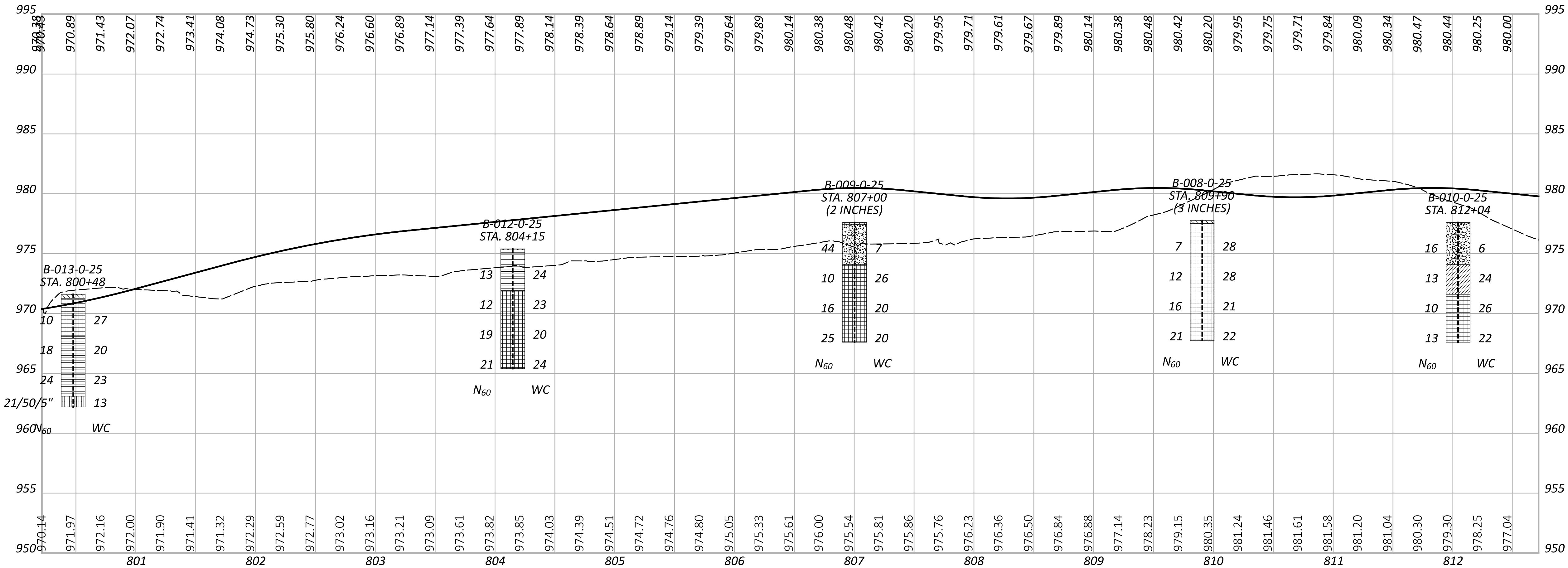
SUBSET	TOTAL
8	9

SHEET	TOTAL
P.204	205



WAR-IR 71 REST AREAS TP

MODEL: PGL_NB_E_TP_LOT-1 - Profile 3 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 7/1/2026 TIME: 10:15:54 PM PLTDRV: OHDOT_PDF.plt PENTBL: OHDOT_Pen.tbl USER: Noah.Ballard@woolpert.com WORKSPACE: OHDOT\CE\02 WORKSET: 122893 PRODUCT: OpenRoadsDesigner 24.00.02.25
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NORTHBOUND EAST TRUCK PARKING LOT - PROFILE
WAR-IR 71 REST AREAS TP

DESIGN AGENCY	
	
DESIGNER	
MP	
REVIEWER	
DWW 01/15/26	
PROJECT ID	
122893	
SUBSET	TOTAL
9	9
SHEET	TOTAL
P.205	205