

PROJECT DESCRIPTION

THE PROJECT INCLUDES REALIGNMENT OF THE CURVE OF THE ROAD AND PAVEMENT REPLACEMENT FOR APPROXIMATELY 1,000 FEET ALONG STATE ROUTE 650. IT ALSO INCLUDES THE REPLACEMENT OF THE EXISTING BRIDGE ALONG STATE ROUTE 650 OVER LITTLE PINE CREEK.

HISTORIC RECORDS

NO HISTORICAL BORING LOGS ARE AVAILABLE AROUND THE PROJECT SITE.

GEOLOGY

THE PROJECT IS LOCATED IN THE IRONTON PLATEAU OF OHIO WHICH IS GENERALLY CHARACTERIZED BY A MODERATELY HIGH RELIEF DISSECTED PLATEAU AND COMMON LACUSTRINE CLAY-FILLED TEAYS VALLEY REMNANTS. THESE LACUSTRINE SOILS WERE ENCOUNTERED DURING OUR FIELD EXPLORATION.

BEDROCK IN THE PROJECT AREA MAPS AS PENNSYLVANIAN AGE ALLEGHENY AND POTTSVILLE GROUPS FORMATION CONSISTING OF SHALE WITH INTERBEDDED LIMESTONE, SILTSTONE, AND UNDERCLAY. DURING OUR FIELD EXPLORATION, BEDROCK WAS ENCOUNTERED AT THE TWO BRIDGE BORINGS AT DEPTHS OF 74 AND 74½ FEET BELOW THE EXISTING ROAD SURFACE.

RECONNAISSANCE

THE PROJECT INCLUDES REALIGNMENT OF THE CURVE OF THE ROAD AND PAVEMENT REPLACEMENT FOR APPROXIMATELY 1,000 FEET. RECONNAISSANCE WAS PERFORMED BY TERRACON PERSONNEL ON DECEMBER 9, 2024. THE AREA SURROUNDING THE PROJECT IS GENERALLY AGRICULTURAL OR WOODED WITH A FEW RESIDENTIAL BUILDINGS LOCATED ON EITHER SIDE OF SR-650 AND A USED CAR BUSINESS LOCATED NORTHEAST OF SR-650 AT ABOUT STATION 387+00. THE EXISTING LITTLE PINE CREEK INTERSECTS SR-650 AT ABOUT STATION 383+00 AND IS APPROXIMATELY 16 FEET DEEP AT THE DEEPEST PART OF THE CHANNEL FROM THE EXISTING ROAD SURFACE. AN EXISTING LITTLE PINE CREEK ROAD HEADING EAST INTERSECTS SR-650 AT ABOUT STATION 386+00. THE EXISTING PAVEMENT APPEARED TO BE IN FAIR CONDITION. 0 FEET ALONG STATE ROUTE 650. IT ALSO INCLUDES THE REPLACEMENT OF THE EXISTING BRIDGE ALONG STATE ROUTE 650 OVER LITTLE PINE CREEK.

SUBSURFACE EXPLORATION

THE PROJECT INCLUDES REALIGNMENT OF THE CURVE OF THE ROAD AND PAVEMENT REPLACEMENT FOR APPROXIMATELY 1,000 FT TOTAL OF TWO (2) TEST BRIDGE BORINGS AND THREE (3) TEST ROADWAY BORINGS WERE PERFORMED BY TERRACON BETWEEN DECEMBER 17, 2024, AND DECEMBER 24, 2024. THE GROUND SURFACE ELEVATIONS AND COORDINATES WERE MEASURED BY TERRACON BY USING A SURVEY-GRADE EMLID FLOW GPS UNIT WITH AN APPROXIMATE HORIZONTAL AND VERTICAL ACCURACY OF +/- 1 FOOT AND PROVIDED ON THE TEST BORING LOGS.

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- 7/19/2024. 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 AT THE COMPLETION OF THE DRILLING ACTIVITIES AT EACH TEST BORING LOCATION. 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 SEALED WITH CEMENT GROUT, AND THE PAVEMENT SURFACE WAS PATCHED WITH CONCRETE PLUG AND ASPHALT PER SGE REQUIREMENTS. EET ALONG STATE ROUTE 650. IT ALSO INCLUDES THE REPLACEMENT OF THE EXISTING BRIDGE ALONG STATE ROUTE 650 OVER LITTLE PINE CREEK.

EXPLORATION FINDINGS

THE SUBSURFACE PROFILE IN THE TEST BRIDGE BORINGS GENERALLY CONSISTED OF SHALLOW MEDIUM STIFF TO STIFF COHESIVE FILL (A-6A AND A-4A) FOLLOWED BY SOME MEDIUM STIFF TO STIFF NATIVE COHESIVE SOILS (A-4A) UP TO ABOUT 11 FEET BELOW THE EXISTING ROAD SURFACE. THIS UPPER COHESIVE OVERBURDEN IS UNDERLAIN BY VERY LOOSE TO LOOSE COHESIONLESS SAND (A-3 AND A-3A) UP TO ABOUT 48.5 FEET BELOW THE EXISTING ROAD SURFACE FOLLOWED BY MEDIUM STIFF TO STIFF COHESIVE SOIL (A-6A) UP TO 68.5 FEET BELOW THE EXISTING ROAD SURFACE. THERE IS AN APPROXIMATELY 5-FOOT LAYER OF VERY DENSE COHESIONLESS SOIL (A-1-B) UNDERNEATH, FOLLOWED BY INTERBEDDED SHALE AND LIMESTONE BEDROCK. BEDROCK WAS ENCOUNTERED AT DEPTHS OF 74 AND 74½ FEET BELOW THE EXISTING ROAD SURFACE AT THE TWO BRIDGE BORINGS.

THE SUBSURFACE PROFILE IN THE TEST ROADWAY BORINGS GENERALLY CONSISTED OF VERY SOFT TO VERY STIFF COHESIVE SOILS (A-4A, A-6A, AND A-6B). VERY LOOSE TO MEDIUM DENSE COHESIONLESS SOILS (A-3A) WERE ENCOUNTERED ONLY AT BORING B-001-0-24.

THE BOREHOLES WERE OBSERVED WHILE DRILLING AND AFTER COMPLETION FOR THE PRESENCE AND LEVEL OF GROUNDWATER. GROUNDWATER WAS ENCOUNTERED AT DEPTHS RANGING FROM 6 TO 16 FEET BELOW EXISTING SITE GRADES AS INDICATED ON THE BORING LOGS

SPECIFICATIONS

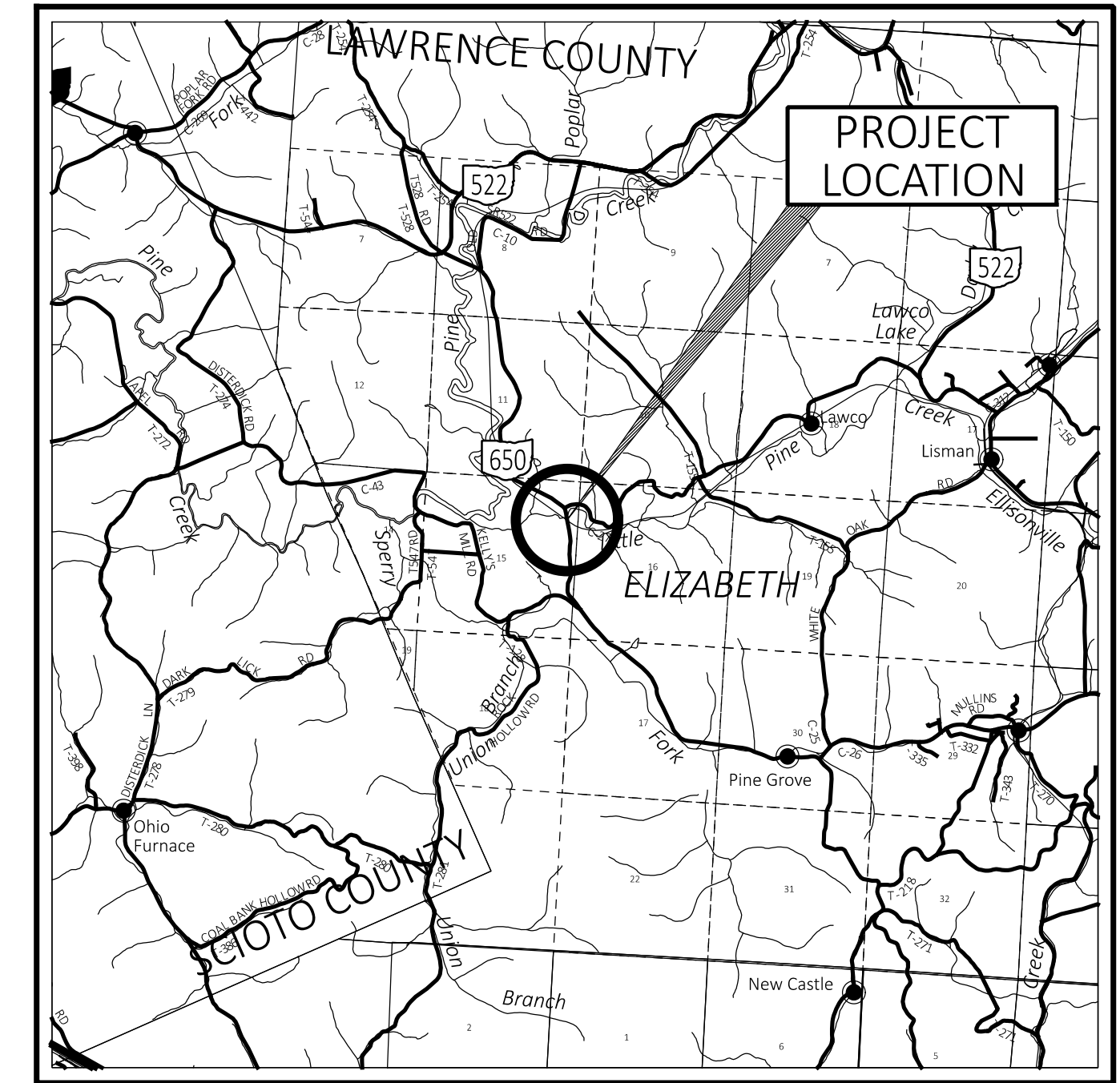
THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATION FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2024.

AVAILABLE INFORMATION

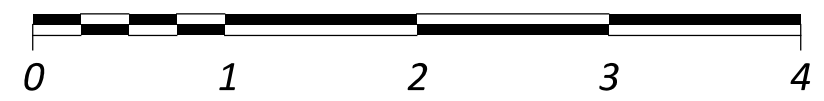
ALL AVAILABLE SOIL AND BEDROCK INFORMATION THAT CAN BE CONVENIENTLY SHOWN ON THE GEOTECHNICAL EXPLORATION SHEETS HAS BEEN SO REPORTED. ADDITIONAL EXPLORATIONS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECTS OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S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

LEGEND

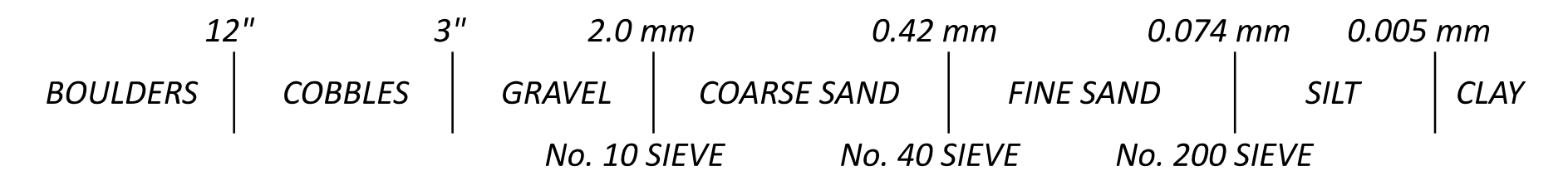
DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL
GRAVEL AND/OR STONE FRAGMENTS WITH SAND	A-1-b	1 3
FINE SAND	A-3	4 8
COARSE AND FINE SAND	A-3a	4 9
SANDY SILT	A-4a	4 5
SILT	A-4b	1 0
SILT AND CLAY	A-6a	5 11
SILTY CLAY	A-6b	1 2
	TOTAL	20 38
(ROCK)		
PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL	
SOD 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.	
●	INDICATES A PLASTIC MATERIAL WITH A MOISTURE CONTENT EQUAL TO OR GREATER THAN THE LIQUID LIMIT MINUS 3.	
⊕	INDICATES A NON-PLASTIC MATERIAL WITH A MOISTURE CONTENT GREATER THAN 25 % OR GREATER THAN 19 % WITH A WET APPEARANCE.	
*	INDICATES A SAMPLE TAKEN WITHIN 3 FT OF PROPOSED GRADE.	
SS	INDICATES A SPLIT SPOON SAMPLE.	
NP	INDICATES A NON-PLASTIC SAMPLE.	



LOCATION MAP
SCALE IN MILES



PARTICLE SIZE DEFINITIONS

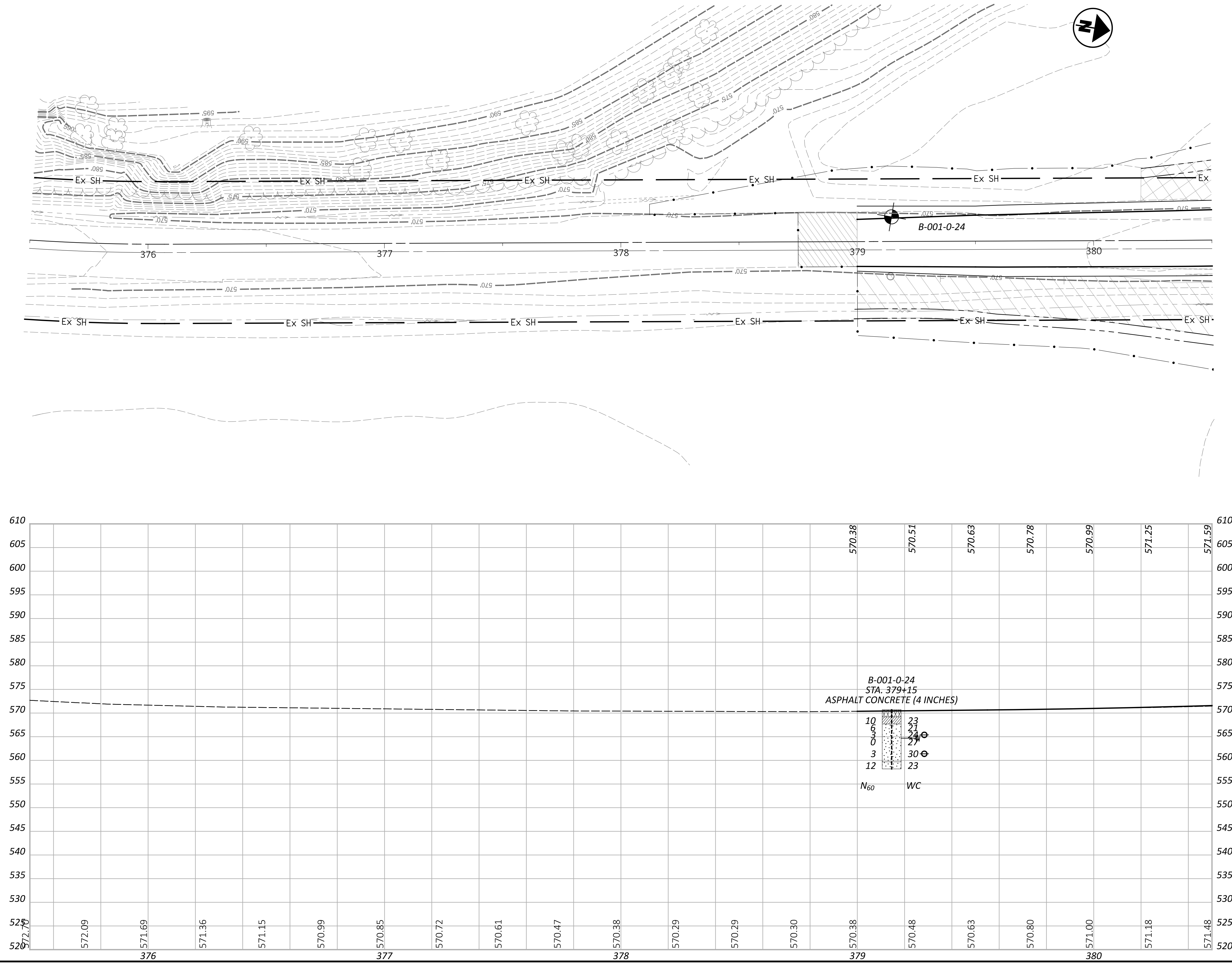


RECON. - MP 12/09/2024
DRILLING - CK/JF 12/17/2024 - 12/24/2024
DRAWN - BM 3/3/2025
REVIEWED - DWW 3/6/2024

SUMMARY OF SOIL TEST DATA

EXPLOR. ID	FROM - TO	SAMPLE ID	% REC	tsf	% HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	WC	ODOT CLASS (GI)	ppm SO4
B-001-0-24	1.50 - 03.00	SS-1	10	56	1.25	2	1	17	50	30	34	19	15	23	A-6a (10)	-
STA. 379+15, 10' LT.	3.00 - 04.50	SS-2	6	72	-	-	-	-	-	-	-	-	-	21	A-3a (VISUAL)	-
LATITUDE = 38.629534	4.50 - 06.00	SS-3	3	78	-	1	4	69	24	2	NP	NP	NP	24	A-3a (0)	-
LONGITUDE = -82.731377	6.00 - 07.50	SS-4	0	100	-	-	-	-	-	-	-	-	-	27	A-3a (VISUAL)	-
	8.50 - 10.00	SS-5	3	89	-	0	9	60	27	4	NP	NP	NP	30	A-3a (0)	-
	11.00 - 12.50	SS-6	12	89	-	-	-	-	-	-	-	-	-	23	A-3a (VISUAL)	-
REFER TO THE BORING LOGS IN SUBSET 7 THROUGH 9 FOR SUMMARY OF SOIL TEST DATA ON BRIDGE BORINGS B-002-0-24 AND B-003-0-24																
B-004-0-24	0.00 - 01.50	SS-1	7	100	2.00	-	-	-	-	-	-	-	-	27	A-6b (VISUAL)	-
STA. 385+80, 5' RT.	1.50 - 03.00	SS-2	6	89	1.25	0	0	9	62	29	37	21	16	27	A-6b (10)	-
LATITUDE = 38.631314	3.00 - 04.50	SS-3	4	78	0.50	-	-	-	-	-	-	-	-	34	A-6a (VISUAL)	-
LONGITUDE = -82.731888	4.50 - 06.00	SS-4	3	100	0.25	0	0	21	58	21	30	19	11	31	A-6a (8)	-
	6.00 - 07.50	SS-5	0	100	0.25	-	-	-	-	-	-	-	-	35	A-6a (VISUAL)	-
	8.50 - 10.00	SS-6	16	89	2.50	-	-	-	-	-	-	-	-	21	A-6b (VISUAL)	-
B-005-0-24	1.00 - 02.50	SS-1	19	17	4.00	-	-	-	-	-	-	-	-	10	A-6a (VISUAL)	-
STA. 389+04, 4' LT.	2.50 - 04.00	SS-2	12	61	1.50	11	5	22	39	23	32	19	13	23	A-6a (7)	-
LATITUDE = 38.631952	4.00 - 05.50	SS-3	7	56	1.00	-	-	-	-	-	-	-	-	22	A-6a (VISUAL)	-
LONGITUDE = -82.732661	5.50 - 07.00	SS-4	9	100	1.25	19	4	21	35	21	25	16	9	19	A-4a (4)	-
	8.50 - 10.00	SS-5	15	56	2.50	-	-	-	-	-	-	-	-	17	A-4a (VISUAL)	-

DESIGN AGENCY	Terracon
DESIGNER	MP
REVIEWER	DWW 3-6-25
PROJECT ID	119775
SUBSET TOTAL	1 10
SHEET TOTAL	P.63 72



GEOTECHNICAL PROFILE - ROADWAY
 LAW-650-7.16
 STA. 375+50 TO STA. 380+50

DESIGN AGENCY



DESIGNER

MP

REVIEWER

DWW 3-6-25

PROJECT ID

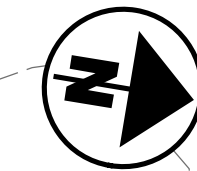
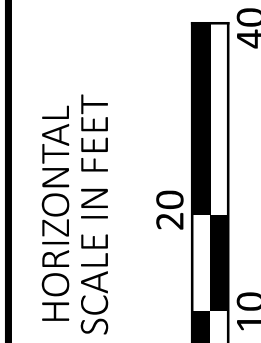
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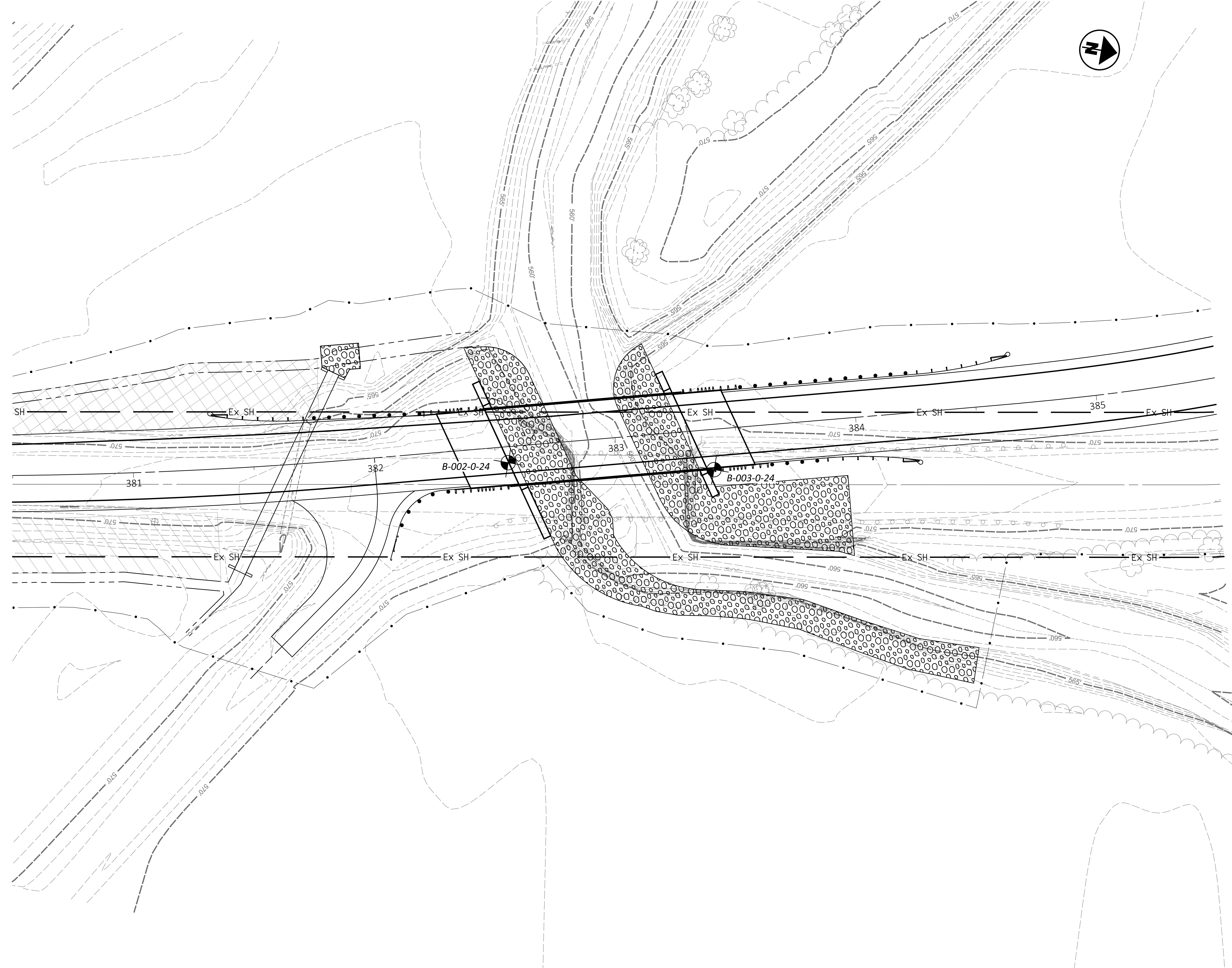
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2 10

SHEET TOTAL

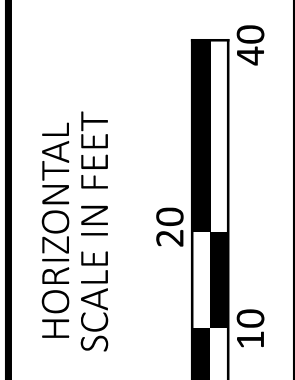
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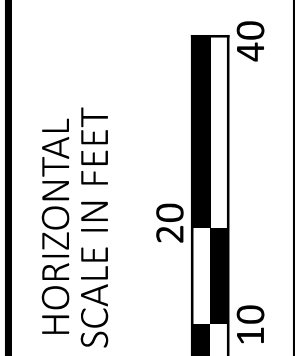
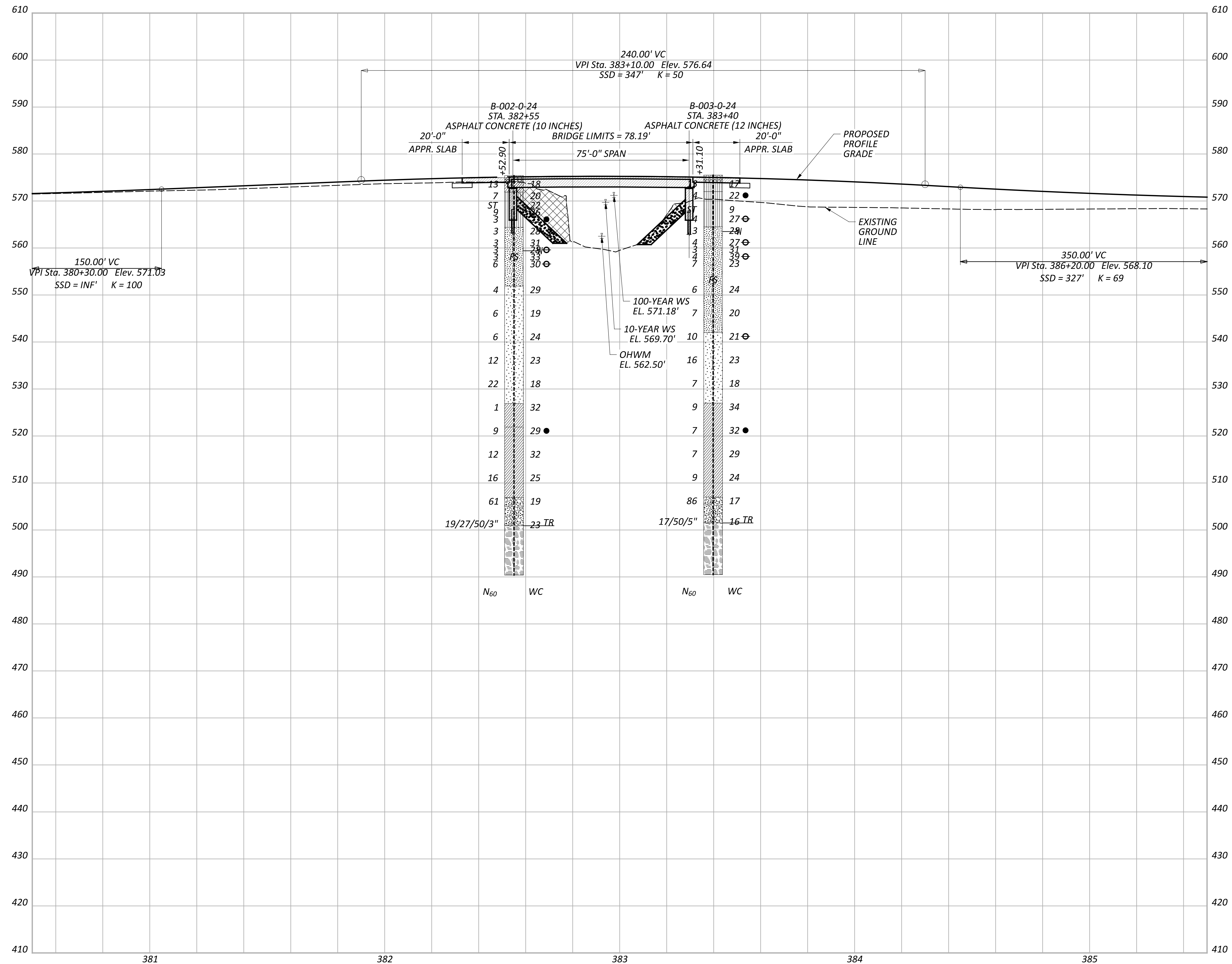




GEOTECHNICAL PROFILE - BRIDGE
 LAW-650-7.16
 STA. 380+50 TO STA. 385+50

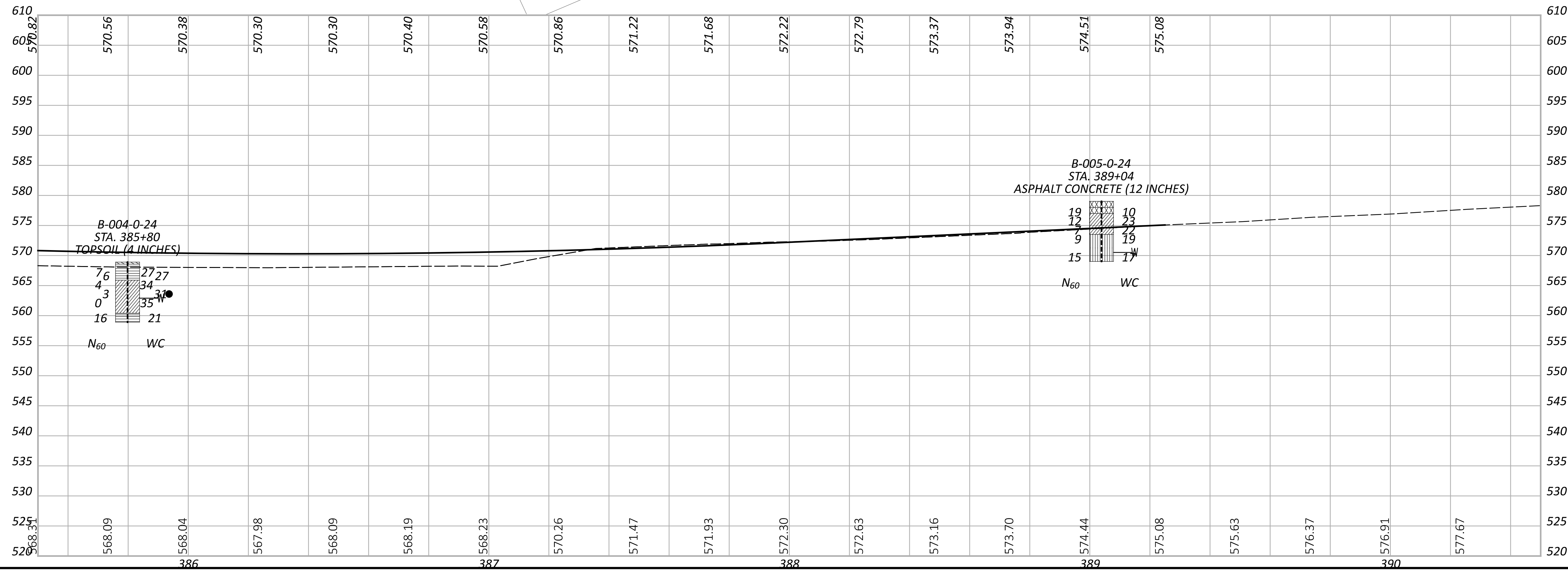
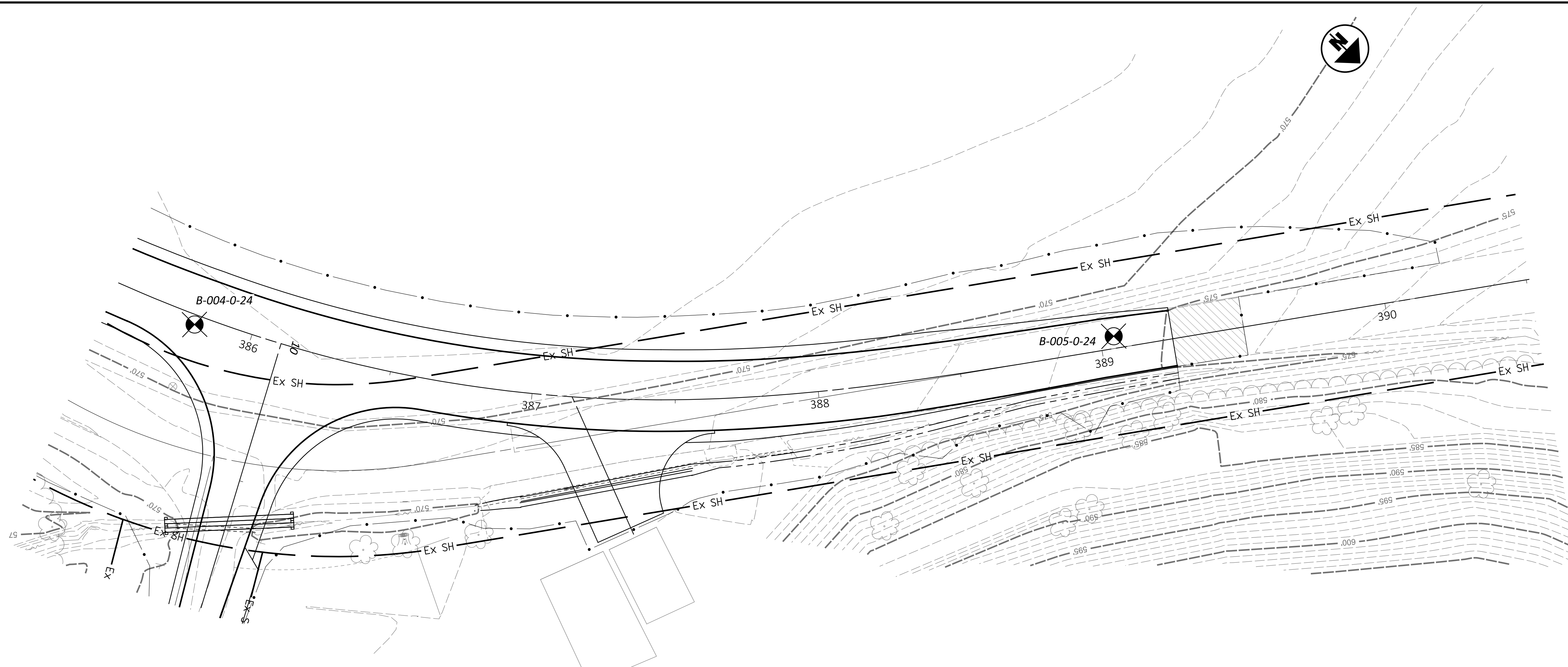
DESIGN AGENCY	
DESIGNER	
MP	
REVIEWER	
DWW 3-6-25	
PROJECT ID	
119775	
SUBSET	TOTAL
3	10
SHEET	TOTAL
P.65	72



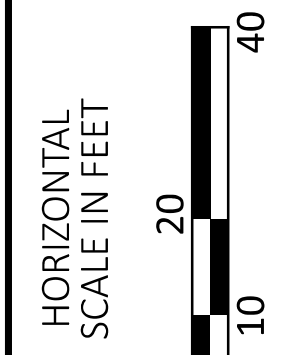


GEOTECHNICAL PROFILE - BRIDGE
 LAW-650-7.16
 STA. 380+50 TO STA. 385+50

DESIGN AGENCY	
terracon	
DESIGNER	
MP	
REVIEWER	
DWW 3-6-25	
PROJECT ID	
119775	
SUBSET	TOTAL
4	10
SHEET	TOTAL
P.66	72



GEOTECHNICAL PROFILE - ROADWAY
 LAW-650-7.16
 STA. 385+50 TO STA. 390+50



DESIGN AGENCY



DESIGNER

MP

REVIEWER

DWW 3-6-25

PROJECT ID

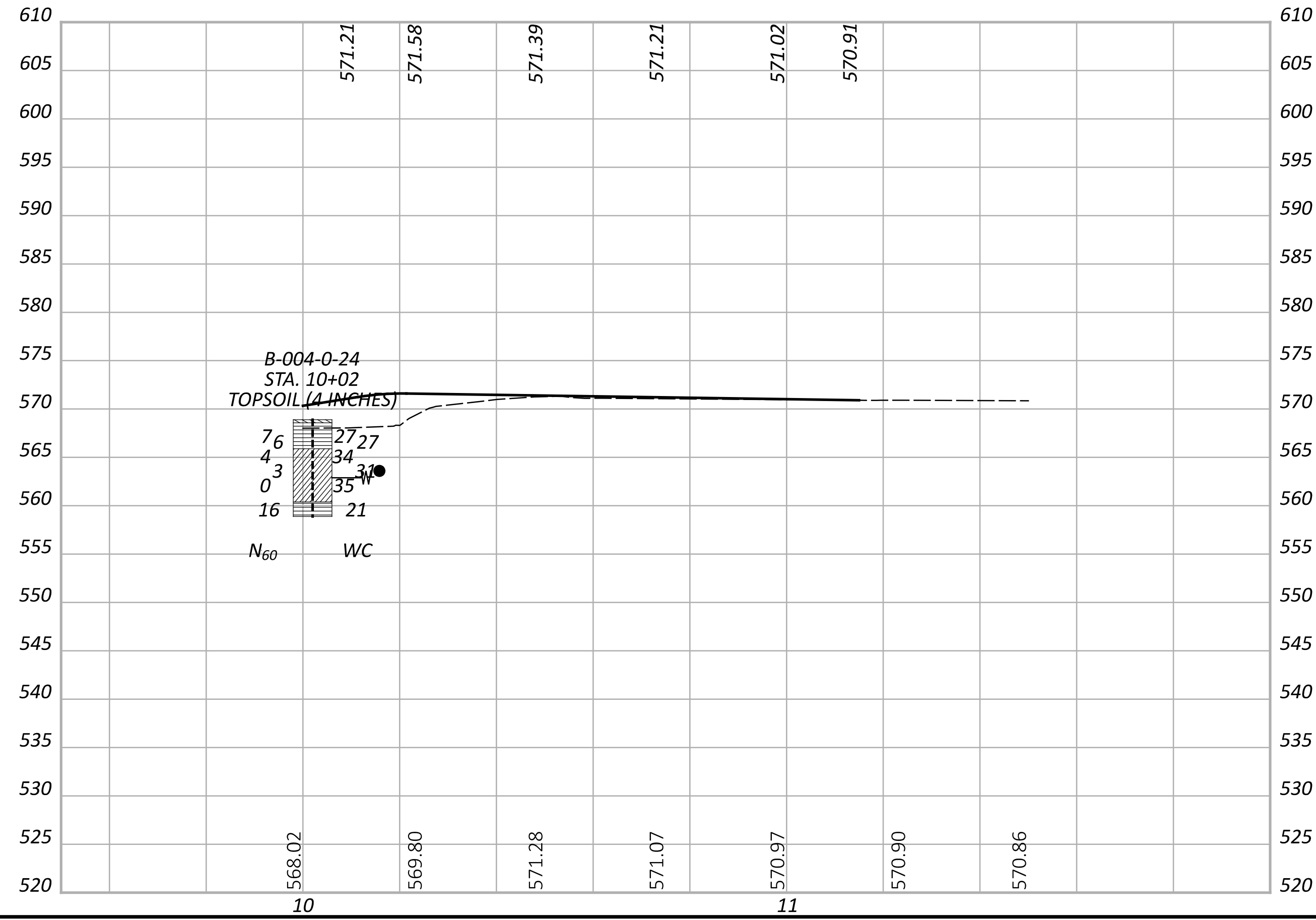
119775

SUBSET TOTAL

5 10

SHEET TOTAL

P.67 72



GEOTECHNICAL PROFILE - ROADWAY
 LAW-650-7.16
 STA. 10+50 TO STA. 11+50

DESIGN AGENCY



DESIGNER

MP

REVIEWER

DWW 3-6-25

PROJECT ID

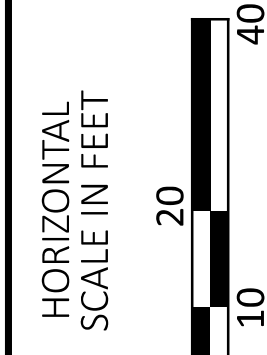
119775

SUBSET TOTAL

6 10

SHEET TOTAL

P.68 72



LAW-650-7.16

MODEL: LOG 2 PAPER SIZE: 34x22 (in.) DATE: 8/7/2025 TIME: 1:26:33 PM USER: bcmilner
 \\Pordwof601\00n1\Data\CAD\2024\11245336\119775_ZL001.dgn

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT GDT - 3/4/25 08:28 - E:\PROJECTS\2024\1245336\WORKING FILES\LABORATORY-FIELD DATA-BORING LOGS\ODOT-N1245336.GPJ

PID:	SFN:	PROJECT:	LAW-SR-650-07.16	STATION / OFFSET:	382+55.7 RT.	START:	12/23/24	END:	12/23/24	PG 3 OF 3	B-002-0-24									
MATERIAL DESCRIPTION AND NOTES		ELEV.	513.3	DEPTHS	SPT / RQD	N ₆₀	REC SAMPLE (%)	HP (lbf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (G)	SEALED	
MEDIUM STIFF TO STIFF, GRAY, SILT AND CLAY, TRACE SAND, MOIST TO WET (continued)				63	4	16	100	SS-19	1.75	-	-	-	-	-	-	-	25	A-6a (V)		
VERY DENSE GRAY, GRAVEL WITH SAND, TRACE SILT, TRACE CLAY, WET		506.9		64	5	6														
INTERBEDDED SHALE (75%) AND LIMESTONE (25%), RQD 63%, REC 100%; SHALE GRAY TO DARK GRAY, UNWEATHERED TO SLIGHTLY WEATHERED, VERY WEAK TO WEAK, THIN TO THICK BEDDED, FISSILE; LIMESTONE LIGHT GRAY TO GRAY, UNWEATHERED TO SLIGHTLY WEATHERED, MODERATELY STRONG TO STRONG, THIN BEDDED; @76'-76.5': Qu= 232 psi, Density= 148 pcf		500.9		65	8	18	100	SS-20	-	-	-	-	-	-	-	-	-	19	A-1-b (V)	
				66																
				67																
				68																
				69	18	61	100	SS-20	-	-	-	-	-	-	-	-	-	-	-	
				70	23															
				71																
				72																
				73																
				74	19		100	SS-21	-	-	-	-	-	-	-	-	-	23	A-1-b (V)	
				75	27															
				76	50															
				77	72		100	NQ2-1											CORE	
				78																
				79																
				80																
				81																
				82			100	NQ2-2											CORE	
				83																
				84																
				85																

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: POURED CEMENT-BENTONITE GROUT

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT GDT - 3/4/25 08:28 - E:\PROJECTS\2024\1245336\WORKING FILES\LABORATORY-FIELD DATA-BORING LOGS\ODOT-N1245336.GPJ

PROJECT:	LAW-SR-650-07.16	DRILLING FIRM / OPERATOR:	TERRACON / CK	DRILL RIG:	CME 55 TRACK	STATION / OFFSET:	383+40, 17 RT.	EXPLORATION ID	B-003-0-24										
TYPE:	BRIDGE	SAMPLING FIRM / LOGGER:	TERRACON / JF	HAMMER:	CME AUTOMATIC	ALIGNMENT:	SR-650												
PID:	119775	SFN:	12/24/24	DRILLING METHOD:	3.25" HSA / NQ2	ELEVATION:	575.5 (MSL)	EOB:	85.0 ft.										
START:	12/24/24	END:	12/24/24	SAMPLING METHOD:	SPT / ST / NQ2	LAT / LONG:	38.630690, -82.731604		1 OF 3										
MATERIAL DESCRIPTION AND NOTES		ELEV.	575.5	DEPTHS	SPT / RQD	N ₆₀	REC SAMPLE (%)	HP (lbf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (G)	SEALED
ASPHALT CONCRETE (12 INCHES)				1	6	13	100	SS-1	1.75	-	-	-	-	-	-	-	-	17	A-4a (V)
AGGREGATE BASE COURSE (6 INCHES) STIFF, DARK GRAYISH BROWN, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, WET (FILL)		574.5		2	5	4													
		574.0		3															
MEDIUM STIFF, BROWN, SANDY SILT, LITTLE CLAY, WET		572.0		4	2	4	33	SS-2	0.75	0	22	24	41	13	20	16	4	22	A-4a (4)
				5	1														
				6															
				7															
				8															
				9	1	4	83	SS-4	0.50	0	2	43	42	13	NP	NP	27	A-4a (4)	
				10	2														
VERY LOOSE TO LOOSE, BROWN TO GRAY, FINE SAND, TRACE SILT, TRACE GRAVEL, WET		564.5		11	0	3	100	SS-5	-	-	-	-	-	-	-	-	-	28	A-3 (V)
				12	1														
				13															
				14	2	1	4	SS-6	-	1	37	61	1	0	NP	NP	27	A-3 (0)	
				15	2														
				16	1	3	89	SS-7	-	-	-	-	-	-	-	-	-	31	A-3 (V)
				17	2	1	4	100	SS-8	-	1	38	55	6	0	NP	NP	39	A-3 (0)
				18	1	2													
				19	2	7	100	SS-9	-	-	-	-	-	-	-	-	-	23	A-3 (V)
				20															
				21															
				22															
				23															
				24	2	2	6	100	SS-10	-	-	-	-	-	-	-	-	24	A-3 (V)
				25															
				26															
				27															
				28															
				29	3	3	7	100	SS-11	-	-	-	-	-	-	-	-	20	A-3 (V)

LAW-650-7.16

MODEL: LOG 3 PAPER SIZE: 34x22 (in.) DATE: 8/7/2025 TIME: 1:10:50 PM USER: bcmfliner
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PID: 119775	SFN:	PROJECT: LAW-SR-650-07.16	STATION / OFFSET:	383+40.17 RT.	START: 12/24/24			END: 12/24/24			PG 2 OF 3	B-003-0-24	
					GR	CS	FS	SI	CL	LL			PL
MATERIAL DESCRIPTION AND NOTES		ELEV.	DEPTHS	SPT / RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)			HOLE CLASS (G)	HOLE SEALED
VERY LOOSE TO LOOSE, BROWN TO GRAY, FINE SAND, TRACE SILT, TRACE GRAVEL, WET (continued)		545.5	31-33										
LOOSE TO MEDIUM DENSE, GRAY, COARSE AND FINE SAND, LITTLE SILT, WET		542.0	34-35	2 3 4	10 33	SS-12	-	0 43 45 12	0	NP NP NP	21	A-3a (0)	
MEDIUM STIFF, GRAY, SILT AND CLAY, LITTLE SAND, MOIST TO WET		527.0	36-48	3 5 6	16 100	SS-13	-	- - - -	-	- - - -	23	A-3a (V)	
			49-51	1 2 3	7 100	SS-14	-	- - - -	-	- - - -	18	A-3a (V)	
			52-53	2 3 3	9 100	SS-15	0.50	- - - -	-	- - - -	34	A-6a (V)	
			54-55	2 2 3	7 100	SS-16	0.75	0 11 5 52 32	5 21 14	32	A-6a (10)		
			56-57										
			58-59	2 2 3	7 100	SS-17	0.50	- - - -	-	- - - -	29	A-6a (V)	
			60-61										

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT GDT - 3/4/25 08:28 - E:\PROJECTS\2024\1245336\WORKING FILES\LABORATORY-FIELD DATA-BORING LOGS\ODOT-N1245336.GPJ

PID: 119775	SFN:	PROJECT: LAW-SR-650-07.16	STATION / OFFSET:	383+40.17 RT.	START: 12/24/24			END: 12/24/24			PG 3 OF 3	B-003-0-24	
					GR	CS	FS	SI	CL	LL			PL
MATERIAL DESCRIPTION AND NOTES		ELEV.	DEPTHS	SPT / RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)			HOLE CLASS (G)	HOLE SEALED
MEDIUM STIFF, GRAY, SILT AND CLAY, LITTLE SAND, MOIST TO WET (continued)		513.4	63-65	0 3 3	9 100	SS-18	0.50	- - - -	-	- - - -	24	A-6a (V)	
VERY DENSE, GRAY, GRAVEL WITH SAND, TRACE SILT, WET		507.0	66-70	12 23 35	86 100	SS-19	-	34 39 18 9	0	NP NP NP	17	A-1-b (0)	
INTERBEDDED SHALE (70%) AND LIMESTONE (30%); RQD 60%; REC: 100%; SHALE, GRAY TO DARK GRAY, UNWEATHERED TO SLIGHTLY WEATHERED, VERY WEAK TO WEAK, THIN TO THICK BEDDED, FISSILE; LIMESTONE, LIGHT GRAY, UNWEATHERED TO SLIGHTLY WEATHERED, MODERATELY STRONG TO STRONG, THIN BEDDED.		501.5	71-74	17 50/5*	136	SS-20	-	- - - -	-	- - - -	16	A-1-b (V)	
			75-77	60	100	NO2						CORE	
			78-84	60	100	NO2						CORE	

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT GDT - 3/4/25 08:28 - E:\PROJECTS\2024\1245336\WORKING FILES\LABORATORY-FIELD DATA-BORING LOGS\ODOT-N1245336.GPJ

NOTES: NONE
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: POURED CEMENT-BENTONITE GROUT

DESIGN AGENCY

 DESIGNER
 MP
 REVIEWER
 DWW 3-6-25
 PROJECT ID
 119775
 SUBSET TOTAL
 9 10
 SHEET TOTAL
 P.71 72

**BORING LOG B-003-0-24
 LAW-650-7.16**



Office of Geotechnical Engineering

B-002-0-24



Run #:	Depth	Recovery	RQD
NQ2-1	75.0'	60/60	43/60
NQ2-2	80.0'	60/60	33/60
LAW-650-7.16 PID 119775			
		100%	72%
		100%	55%



Office of Geotechnical Engineering

B-003-0-24



Run #:	Depth	Recovery	RQD
NQ2-1	16.5'	60/60	36/60
NQ2-2	21.5'	60/60	36/60
LAW-650-7.16 PID 119775			
	21.5'	100%	60%
	26.5'	100%	60%