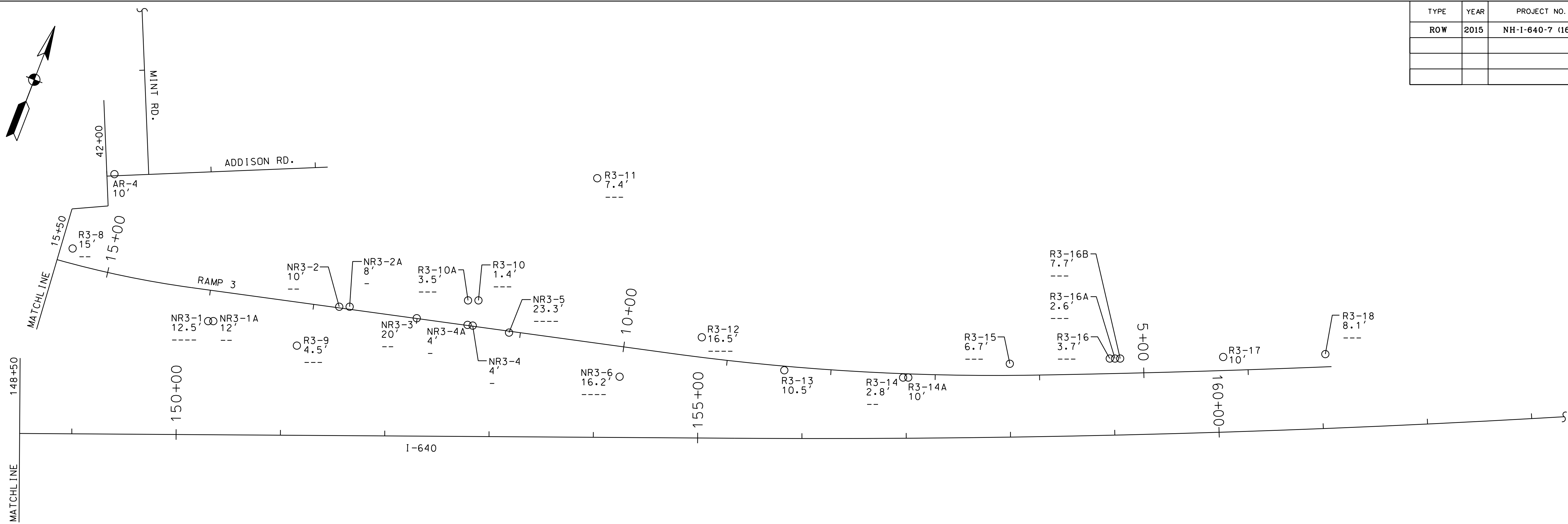


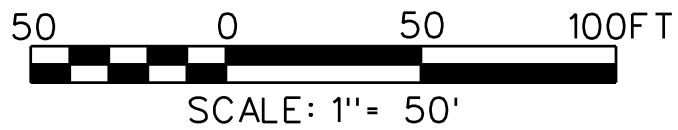
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	NH-1-640-7 (161)	28R



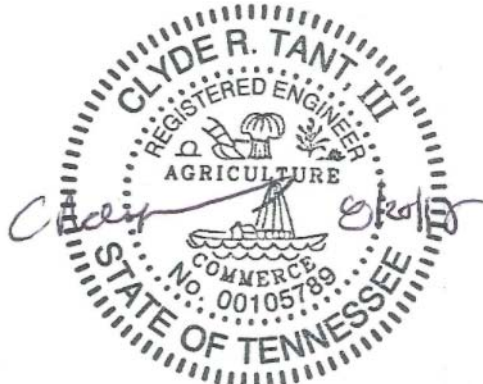
SOIL TEST BORING SAMPLE LOCATIONS AND TYPE				
SOIL TEST BORING	SAMPLE NUMBER	DEPTH (ft)	SAMPLE TYPE	SAMPLE TESTED
R3-8	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	
	3	6.0 - 7.5	SS	
	4	7.5 - 9.5	UD	X
	5	13.5 - 15.0	SS	
R3-9	1	1.0 - 2.5	SS	
R3-10A	1	0 - 3.5	Grab	
R3-11	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	
	3	6.0 - 7.0	SS	
	4	8.5 - 10.0	SS	
	5	13.5 - 15.0	SS	
R3-12	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	
	3	6.0 - 8.0	UD	X
	4	8.5 - 10.0	SS	
	5	13.5 - 15.0	SS	
R3-13	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	
	3	6.0 - 7.5	SS	
	4	8.5 - 10.5	UD	X
	5	13.5 - 15.0	SS	
R3-14A	1	3.5 - 5.0	SS	
	2	6.0 - 7.5	SS	
	3	8.5 - 10	SS	
R3-15	1	0 - 5.0	Grab	
	2	5.0 - 6.7	Grab	
R3-16B	1	1.0 - 2.5	SS	
	2	2.5 - 4.0	SS	
	3	6.0 - 7.5	SS	
	4	8.0 - 8.1	SS	
R3-17	1	0 - 5.0	Grab	
	2	5.0 - 10.0	Grab	
R3-18	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	
	3	6.0 - 7.5	SS	

SOIL TEST BORING SAMPLE LOCATIONS AND TYPE				
SOIL TEST BORING	SAMPLE NUMBER	DEPTH (ft)	SAMPLE TYPE	SAMPLE TESTED
AR-4	1	0 - 5.0	Grab	
	2	5.0 - 10.0	Grab	
NR3-1	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	X
	3	6.0 - 7.5	SS	X
	4	8.5 - 10.0	SS	X
NR3-2	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	X
	3	6.0 - 7.5	SS	X
	4	8.5 - 10.0	SS	X
NR3-3	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	X
	3	6.0 - 7.5	SS	X
	4	8.5 - 10.0	SS	X
NR3-4	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	X
	3	6.0 - 7.5	SS	X
	4	8.5 - 10.0	SS	X
NR3-5	1	1.0 - 2.5	SS	X
	2	3.5 - 5.0	SS	
	3	6.0 - 7.5	SS	X
	4	8.5 - 10.0	SS	
NR3-6	1	1.0 - 2.5	SS	
	2	3.5 - 5.0	SS	X
	3	6.0 - 7.5	SS	
	4	8.5 - 10.0	SS	X

SUMMARY OF SOIL LABORTORY TESTING SOIL TEST BORINGS R3-8 THROUGH R3-18, AR-4, AND NR3-1 THROUGH NR3-6										
SOIL TEST BORING	SAMPLE NO.	SAMPLE DESCRIPTION	STANDARD PROCTOR DENSITY	OPTIMUM MOISTURE	MOISTURE CONTENT	LL	PI	Specific Gravity	AASHTO CLASS	USCS CLASS
R3-8	4	Brown and maroon clayey SILT	---	---	35.5	---	---	2.639	---	---
R3-12	3	Dark brown silty CLAY	---	---	87.7	---	---	2.832	---	---
R3-13	4	Light brown silty CLAY	---	---	13.7	---	---	2.757	---	---
NR3-1	2	Dark brown and bluish gray silty CLAY	---	---	15.8	---	---	---	---	---
	3	Light brown to brown silty CLAY	---	---	20.5	25	11	---	A-6(7)	CL
	4	Light brown to brown silty CLAY to CLAY	---	---	21.3	---	---	---	---	---
NR3-2	2	Brown silty CLAY to CLAY	---	---	22.4	---	---	---	---	---
	3	Brown silty CLAY to CLAY	---	---	22.4	36	21	---	A-6(8)	CL
	4	Bluish gray weathered SHALE	---	---	4	---	---	---	---	---
NR3-3	2	Light brown to brown silty CLAY to CLAY	---	---	21	---	---	---	---	---
	3	Light brown to brown silty CLAY to CLAY	---	---	22.5	26	11	---	A-2-6(0)	GC
	4	Bluish gray weathered SHALE	---	---	12.4	27	5	---	A-2-6(0)	ML
NR3-5	5	Bluish gray weathered SHALE	---	---	5.4	---	---	---	---	---
	1	Dark brown silty CLAY	---	---	35.6	---	---	---	---	---
	3	Light brown to brown bluish gray CLAY	---	---	21.2	37	17	---	A-6(12)	CL
NR3-6	6	Dark brown silty CLAY	---	---	77	64	42	---	A-7-6(47)	CH
	2	Light brown to dark brown silty CLAY to CLAY	---	---	14.1	---	---	---	---	---
	4	Light brown to dark brown silty CLAY to CLAY	---	---	20.8	32	15	---	A-6(5)	CL



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SOIL
STA. 148+50
TO
STA. 163+00
I-640
KNOX COUNTY
SCALE: 1" = 50'