

NOTHNAGLE DRILLING, INC.
 1821 Scottsville-Mumford Road
 Scottsville, New York 14546
 Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. C-1/B-1
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 6/11/2012 Completed 6/11/2012 Driller N. Short
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
			1/.5							Bituminous concrete-top 0'1.5"
				8	16	8/6"	7"	1	0'11.5"-2'0"	Bituminous concrete-binder 0'3"
		9	7							Bituminous concrete-base 0'11.5"
				7	7	14	14"	2	2'0"-4'0"	
5		6	6							Crushed stone 5'8"
				5	4	11	17"	3	4'0"-6'0"	Firm brown-red moist medium to fine sand, some medium to fine gravel, little silt Loose brown-red moist Compact brown-red moist (some coarse to find gravel) 10'0"
		4	2							
				3	6	5	12"	4	6'0"-8'0"	
		9	19							
10				17	18	36	14"	5	8'0"-10'0"	
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Boring terminated at 10'0"
 Advanced test boring with hollow
 stem auger casing. Surface cored
 with 6" thin wall core barrel.
 Boring backfilled with concrete
 and surface patched with fast set
 concrete.

 Boring located 9 ft. East of
 original location due to utilities.

Test Boring No.	C-2/B-2
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 10'0"
Advanced test boring with hollow
stem auger casing. Surface cored
with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-3
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 4'0"
Advanced test boring with
2" split spoon sampler. Surface
cored with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.
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Test Boring No. C-4
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 6/12/2012 Completed 6/12/2012 Driller N. Short
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
		3/4.5"	3			5	18"	1	1'1.5"-3'0"	Bituminous concrete-top 0'2"
				2	1					Bituminous concrete-binder 0'4.5"
										Weathered and broken concrete 1'1.5"
5										Loose brown-red moist medium to fine sand, little silt, trace fine gravel 3'0"
10										
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Boring terminated at 3'0"
 Advanced test boring with
 2" split spoon sampler. Surface
 cored with 6" thin wall core barrel.
 Boring backfilled with concrete
 and surface patched with fast set
 concrete.

 Boring located 3 ft. West of
 original location due to traffic
 safety conditions.

Test Boring No.	C-4A
Page	1 of 1
ND Job #	123845

Elevation	Start	10/31/2012	Completed	10/31/2012	Driller	K. Busch
Water Level - During Drilling	None		Inspector			
Water Level - At Completion	None					

[illegible]

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

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Test Boring No. C-5/B-3
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 6/11/2012 Completed 6/11/2012 Driller N. Short
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
		12/1.5"	53							Bituminous concrete-top 0'1.5"
				44	9	97	14"	1	0'4.5"-2'0"	Bituminous concrete-binder 0'4.5"
		5	5							Crushed stone and medium to fine sand and silt 0'8"
				4	5	9	18"	2	2'0"-4'0"	Weathered concrete 1'2"
5		4	4							
				3	5	7	12"	3	4'0"-6'0"	Very dense brown-red moist medium to fine sand, little silt and fine gravel
		4	3							Loose brown-red moist (trace fine gravel)
				4	4	7	15"	4	6'0"-8'0"	Loose brown-red moist 6'0"
10		4	4							
				5	3	9	12"	5	8'0"-10'0"	Loose brown moist medium to fine sand, some fine gravel, trace silt
										Loose brown moist (little silt) 10'0"
15										
20										
25										
30										
35										
40										

Boring terminated at 10'0"
 Advanced test boring with hollow stem auger casing. Surface cored with 6" thin wall core barrel.
 Boring backfilled with concrete and surface patched with fast set concrete.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-6
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 3'0"
Advanced test boring with
2" split spoon sampler. Surface
cored with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.

Boring located 2.5 ft. West of
original location due to traffic
safety conditions.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.
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Test Boring No. C-6A
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 10/31/2012 Completed 10/31/2012 Driller K. Busch
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
			32/5.5							Bituminous concrete-top 0'2"
				20	3	52/11.5"	6"	1	0'6.5"-2'0"	Bituminous concrete-binder 0'6.5"
		3	2							
				2	1	4	18"	2	2'0"-4'0"	Weathered and broken concrete 1'1"
5		100/2				100/2"	0"	3	4'0"-4'2"	Loose red-brown moist medium to fine sand, little silt, trace fine gravel
										Loose red-brown moist
										No recovery sample No. 3-spoon refusal (metal filings on shoe) 4'2"
10										
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Boring terminated at 4'2"
 Advanced test boring with 2" split spoon sampler. Surface cored with 6" thin wall core barrel. Boring backfilled with concrete and surface patched with fast set concrete.
 Boring located adjacent to C-6.

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Test Boring No. C-7
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 6/11/2012 Completed 6/11/2012 Driller N. Short
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
		4	7	7	6	14	13"	1	1'0"-3'0"	Bituminous concrete-top 0'1.5"
										Bituminous concrete-binder 0'4.5"
										Concrete 1'0"
5										Firm brown-red moist medium to fine sand, little silt, trace fine gravel 3'0"
10										
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Boring terminated at 3'0"
 Advanced test boring with
 2" split spoon sampler. Surface
 cored with 6" thin wall core barrel.
 Boring backfilled with concrete
 and surface patched with fast set
 concrete.

 Boring located 1.5 ft. West of
 original location due to utilities.

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Test Boring No. C-8
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 6/12/2012 Completed 6/12/2012 Driller N. Short
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
		9/5"	13	5	5	18	14"	1	1'1"-3'0"	Bituminous concrete-top 0'2"
										Bituminous concrete-binder 0'4"
										Bituminous concrete-base 1'1"
5										Firm brown-red moist medium to fine sand, some medium to fine gravel, little silt 3'0"
10										
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

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Test Boring No. C-8A
 Page 1 of 1
 ND Job # 123845

Project Lake Avenue, Merrill Street to 600 feet South of Burley Road, City of Rochester, New York
 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 10/31/2012 Completed 10/31/2012 Driller K. Busch
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
				4/5	11	15/11"	7"	1	1'1"-2'0"	Bituminous concrete-top 0'2.5"
		6	5							Bituminous concrete-binder 0'4"
				6	6	11	12"	2	2'0"-4'0"	Bituminous concrete-base 1'1"
5		4	7							Firm brown-red moist medium to fine sand, some medium to fine gravel, little silt
				10	5	17	15"	3	4'0"-6'0"	Firm brown-red moist
										Firm brown-red moist (little fine gravel) (red stain noted 5'8"-6'0") 6'0"
10										Boring terminated at 6'0" Advanced test boring with 2" split spoon sampler. Surface cored with 6" thin wall core barrel. Boring backfilled with concrete and surface patched with fast set concrete. Boring located adjacent to C-8.
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-9
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 2'10"
Advanced test boring with
2" split spoon sampler. Surface
cored with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.

Boring located 3 ft. East of
original location due to traffic
safety conditions.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-10
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 3'0"
Advanced test boring with
2" split spoon sampler. Surface
cored with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.

Boring located 3.5 ft. West of
original location due to traffic
safety conditions.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-10A
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 6'0"
Advanced test boring with 2" split
spoon sampler. Surface
cored with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.
Boring located adjacent to C-10.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-11
Page	1 of 1
ND Job #	123845

Elevation	Start	6/11/2012	Completed	6/11/2012	Driller	N. Short
Water Level - During Drilling	None	Inspector				
Water Level - At Completion	None					

[illegible]

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-12
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 3'0"
Advanced test boring with
2" split spoon sampler. Surface
cored with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

Test Boring No.	C-12A
Page	1 of 1
ND Job #	123845

Seasonal and climate changes may alter observed water levels.

Boring terminated at 6'0"
Advanced test boring with 2" split
spoon sampler. Surface cored
with 6" thin wall core barrel.
Boring backfilled with concrete
and surface patched with fast set
concrete.
Boring located adjacent to C-12.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
Transitional Depths are Estimated Based on Field Observations

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Test Boring No. C-13
 Page 1 of 1
 ND Job # 123845

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 Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Ave., Suite 1, Rochester, NY 14618
 Elevation _____ Start 10/31/2012 Completed 10/31/2012 Driller K. Busch
 Water Level - During Drilling None Inspector _____
 Water Level - At Completion None
 Seasonal and climate changes may alter observed water levels.

0	C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
		0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
		2	7							Topsoil and organic matter 0'6"
				7	6	14	11"	1	0'0"-2'0"	Firm red-brown moist coarse to fine sand, some silt and coarse to fine gravel, trace organics Loose red-brown moist Loose red-brown moist 6'0"
		4	3							
				3	2	6	10"	2	2'0"-4'0"	
5		3	3							
				2	1	5	17"	3	4'0"-6'0"	Boring terminated at 6'0" Advanced test boring with 2" split spoon sampler. Boring backfilled on completion.
10										
15										
20										
25										
30										
35										
40										

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

CORE/BORE LOCATION MAPS

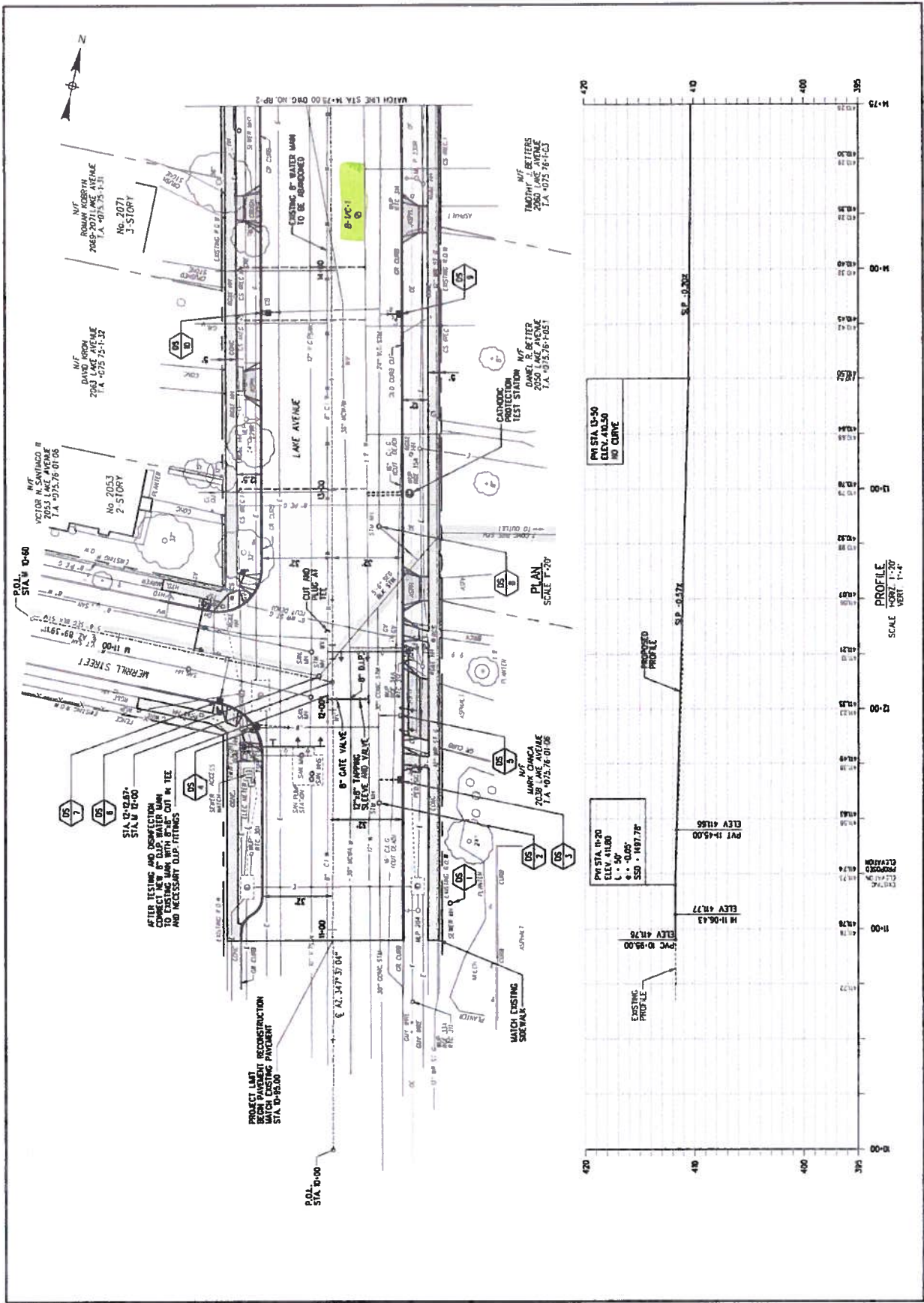
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BY	435433
CHECKED	
APPROVED	
PROJECT	
DESCRIPTION	
NOTES	

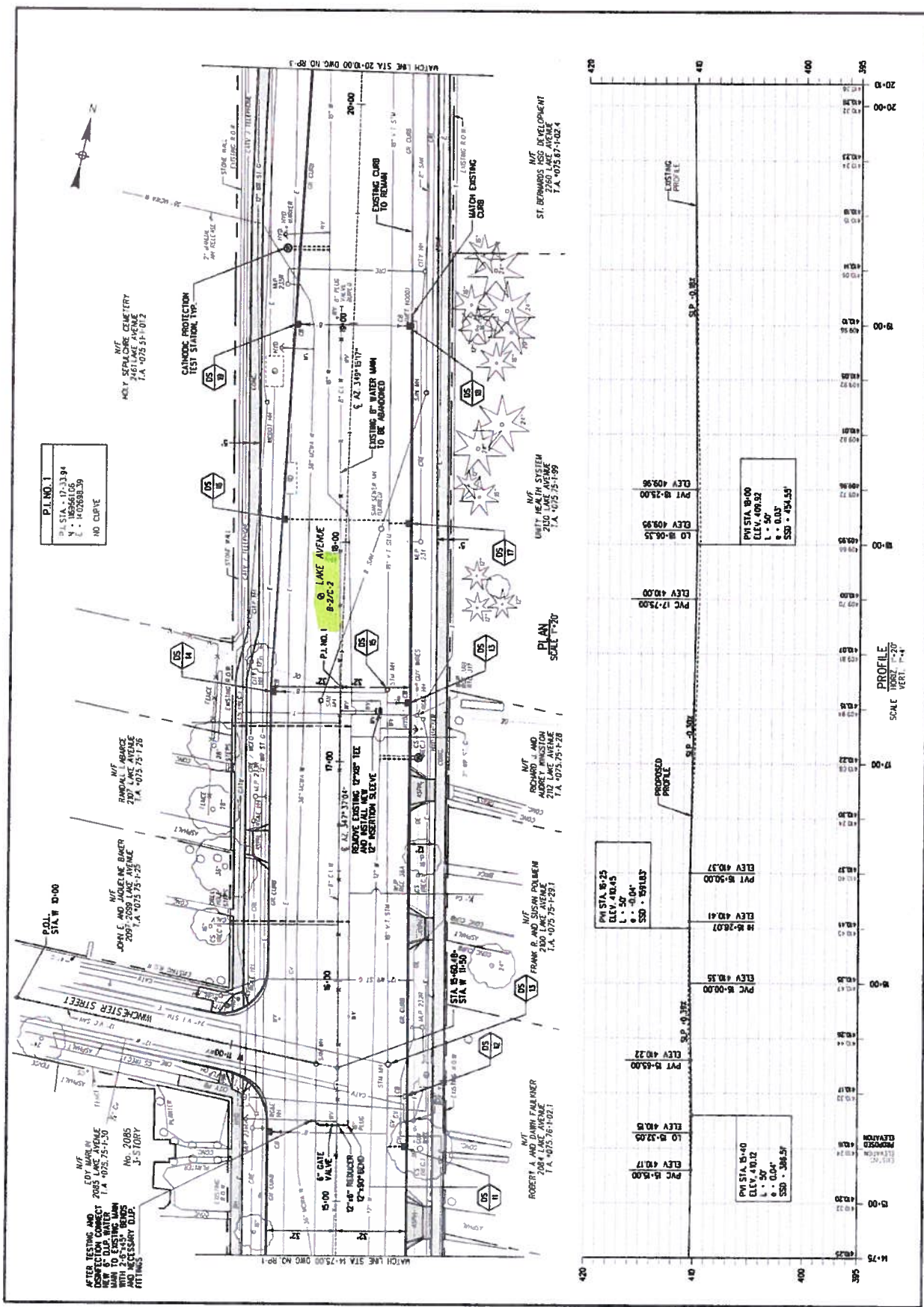
DATE	NOV. 2012
BY	435433
CHECKED	
APPROVED	
PROJECT	
DESCRIPTION	
NOTES	

DATE	NOV. 2012
BY	435433
CHECKED	
APPROVED	
PROJECT	
DESCRIPTION	
NOTES	

DATE	NOV. 2012
BY	435433
CHECKED	
APPROVED	
PROJECT	
DESCRIPTION	
NOTES	

DATE	NOV. 2012
BY	435433
CHECKED	
APPROVED	
PROJECT	
DESCRIPTION	
NOTES	



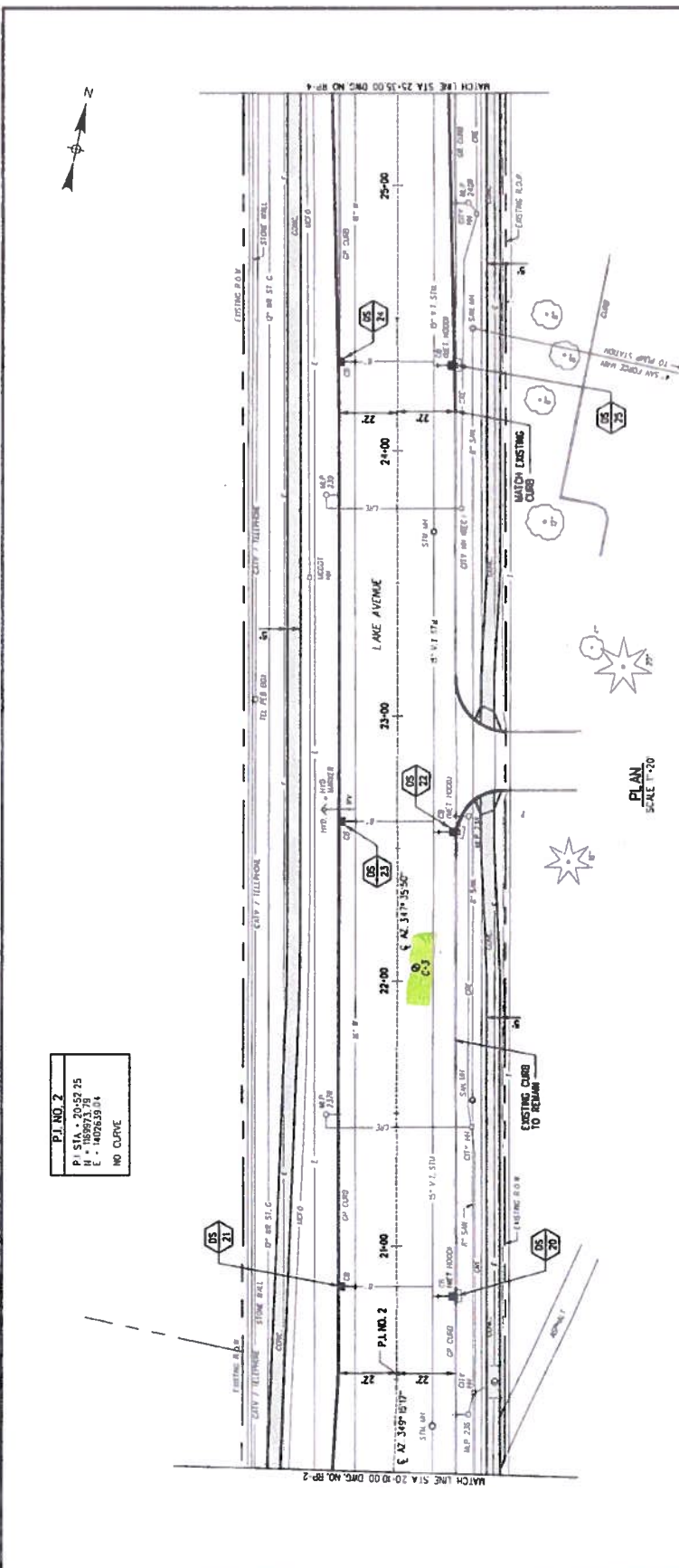
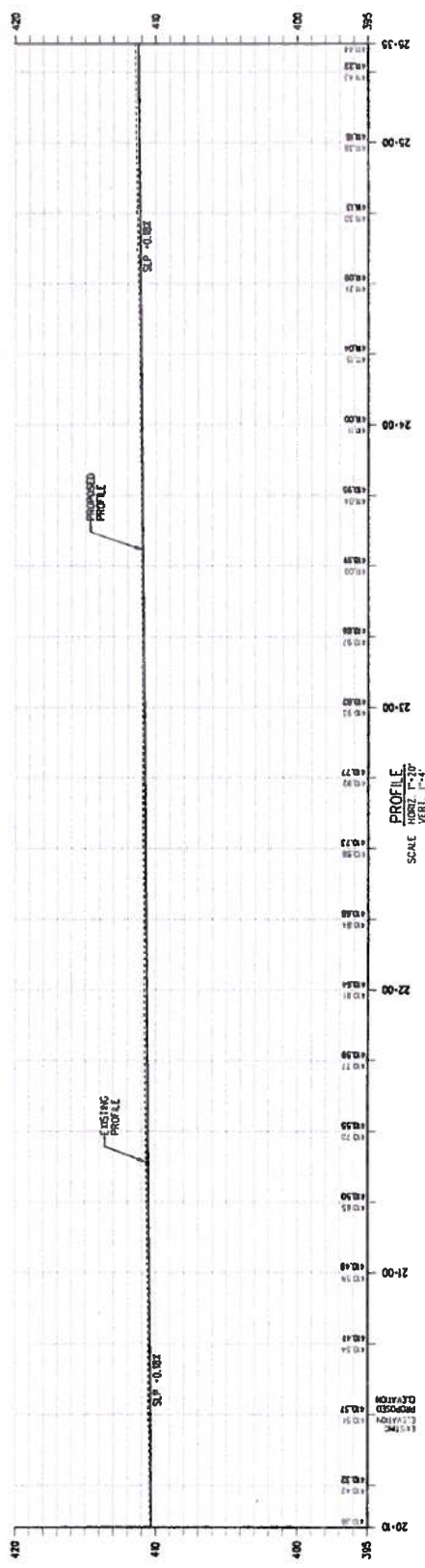


DATE	NOV 2012
BY	NOV 2012
CHECKED BY	NOV 2012
SCALE	1"=20'
PROJECT NO.	RP-3
DATE	NOV 2012

CITY OF ROCHESTER, NEW YORK
DEPARTMENT OF LANDMARKS SERVICES
LAKE AVENUE
ROADWAY PLAN AND PROFILE - 3

TYLINTNINTERNATIONAL
300 EAST AVENUE
ROCHESTER, NY 14604
(716) 412-2000

NO.	DATE	REVISION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



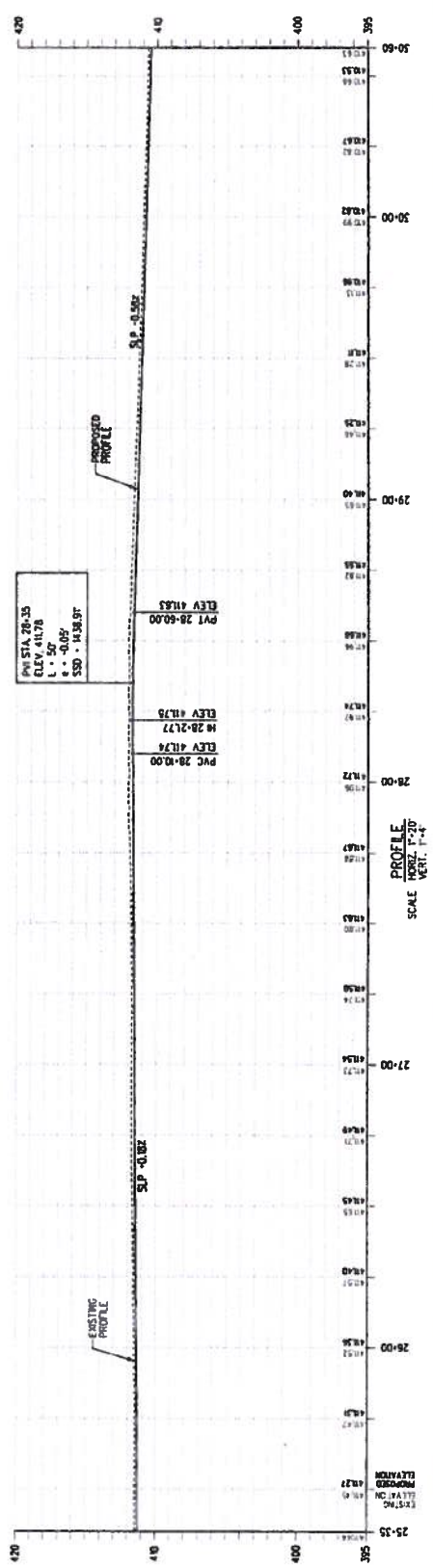
P.I. NO. 2
P.A. STA. 20+52.75
H = 10.00
E = 14075.50
NO. CURVE

PROJECT NO.	435433
DATE	NOV. 2012
BY	11-20
CHECKED BY	DJK
SCALE	1"=20'
SHEET NO.	RP-4

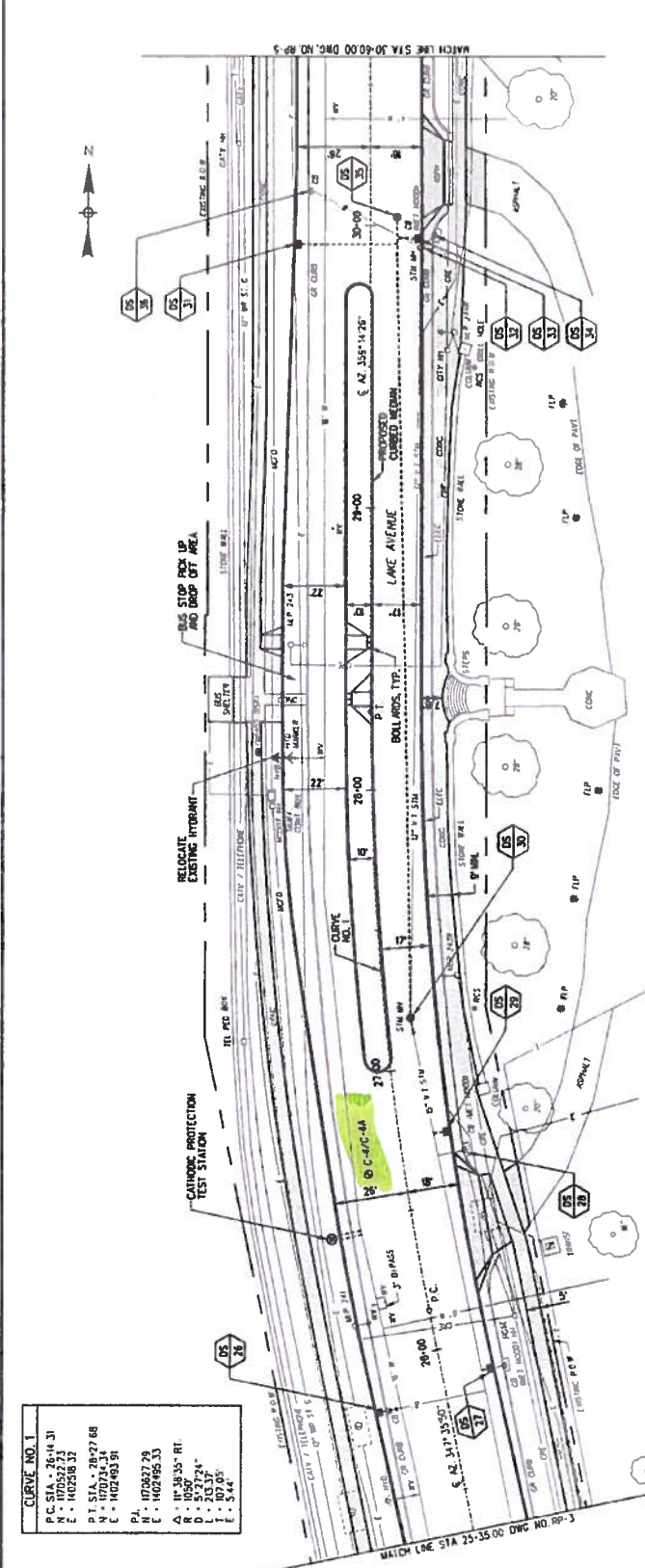
CITY OF ROCHESTER, NEW YORK
 DEPARTMENT OF HIGHWAY SERVICES
 LAKE AVENUE
 FROM STATION 28+00 TO 30+00
 ROADWAY PLAN AND PROFILE - 4

TYLINTINTERNATIONAL
 295 EAST AVENUE
 ROCHESTER, NY 14604
 (585) 512-2000

NO.	DATE	REVISION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

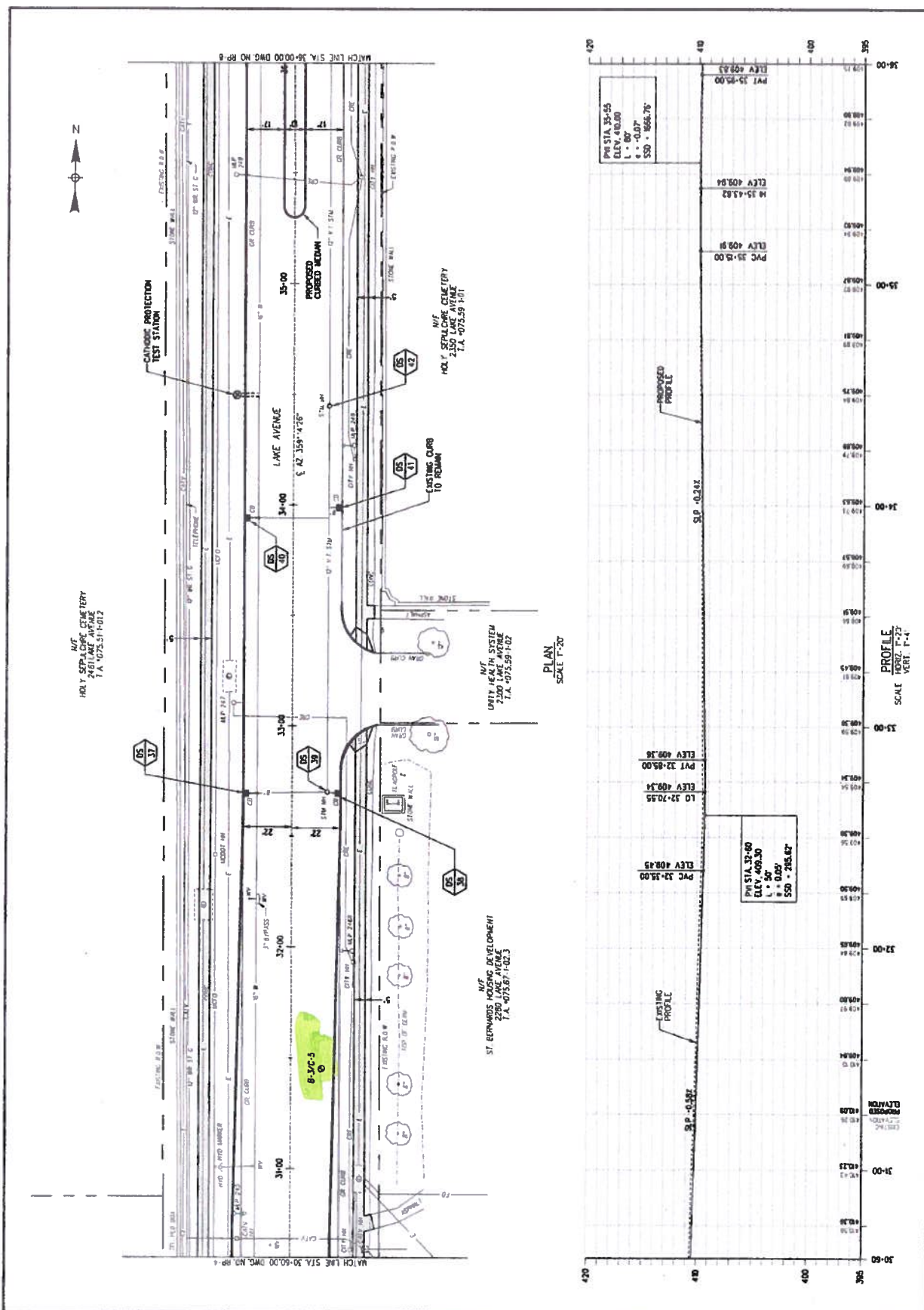


20'-1" SCALE
 PLAN



CURVE NO. 1

PVI STA.	28+50.00
PCH STA.	28+21.77
PTC STA.	28+10.00
PVI ELEV.	411.83
PCH ELEV.	411.74
PTC ELEV.	411.74
PROPOSED GRADE	0.50%
VERTICAL CURVE LENGTH	100 FEET

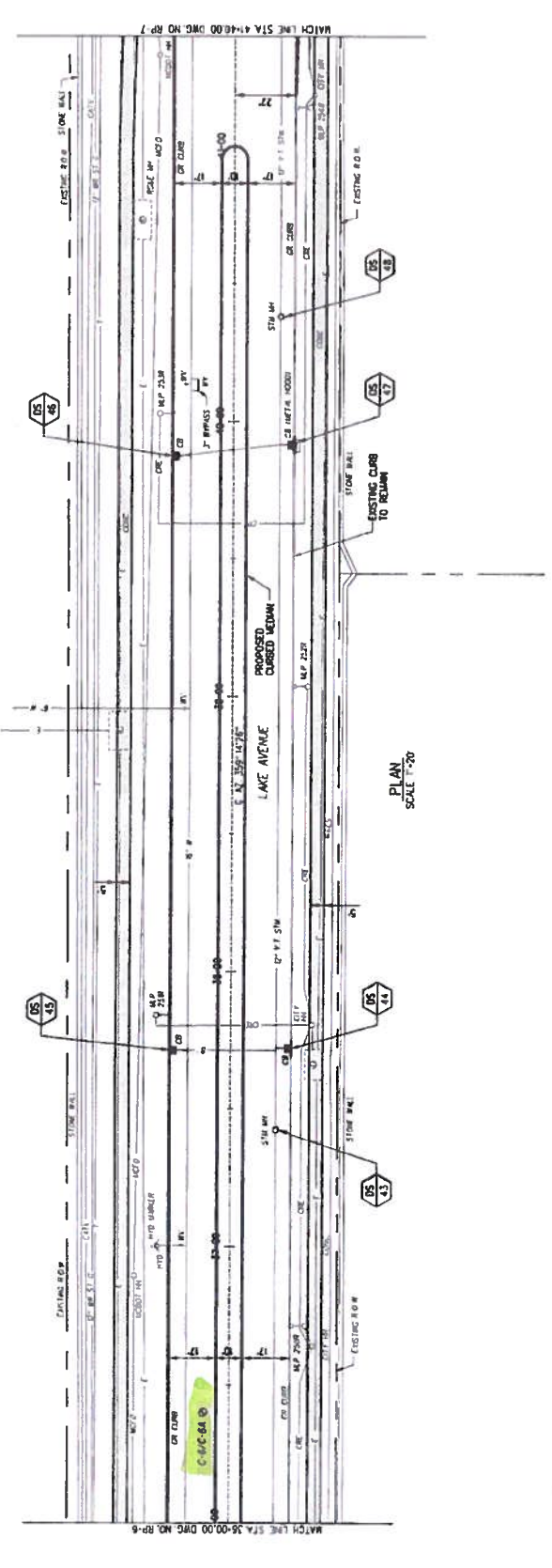
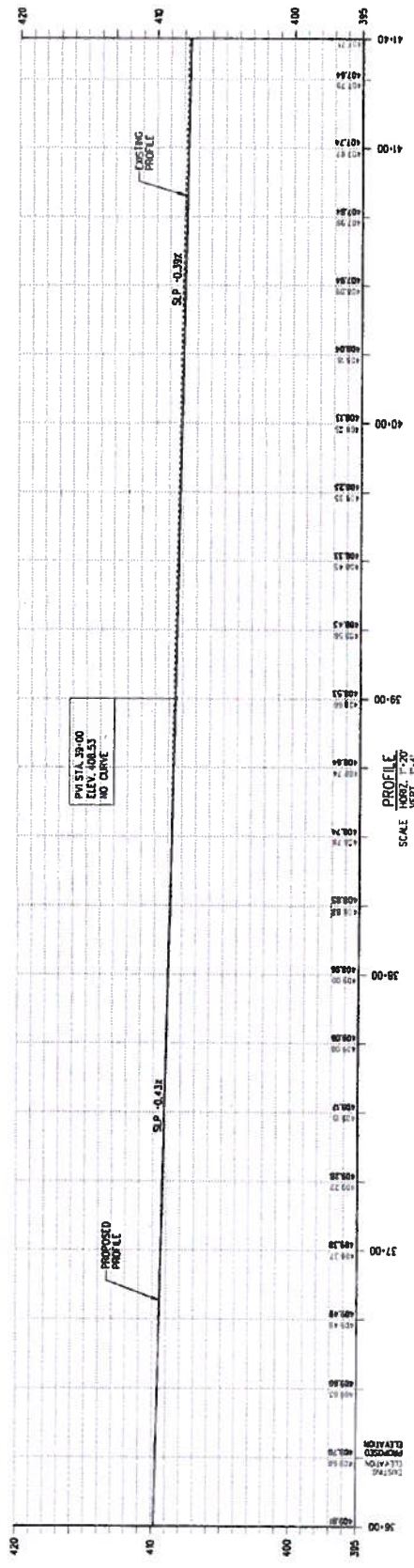


PROJECT NO.	43-5433
DIST.	WYOMING
SECTION	2015
DATE	1-20
BY	D.K.
CHECKED BY	D.K.
DATE	
SCALE	1"=20'
PROJECT	RP-6
SHEET NO.	2 OF 2

ROADWAY PLAN AND PROFILE - 6
LAKE AVENUE
CITY OF ROCHESTER, NEW YORK
DEPT. OF PUBLIC WORKS
100 W. STATE ST. ROCHESTER, NY 14604
(585) 512-2000

TYLINTNATIONAL
200 EAST AVENUE
ROCHESTER, NY 14604
(585) 512-2000

NO.	1
DATE	
DESCRIPTION	
APPROVED	



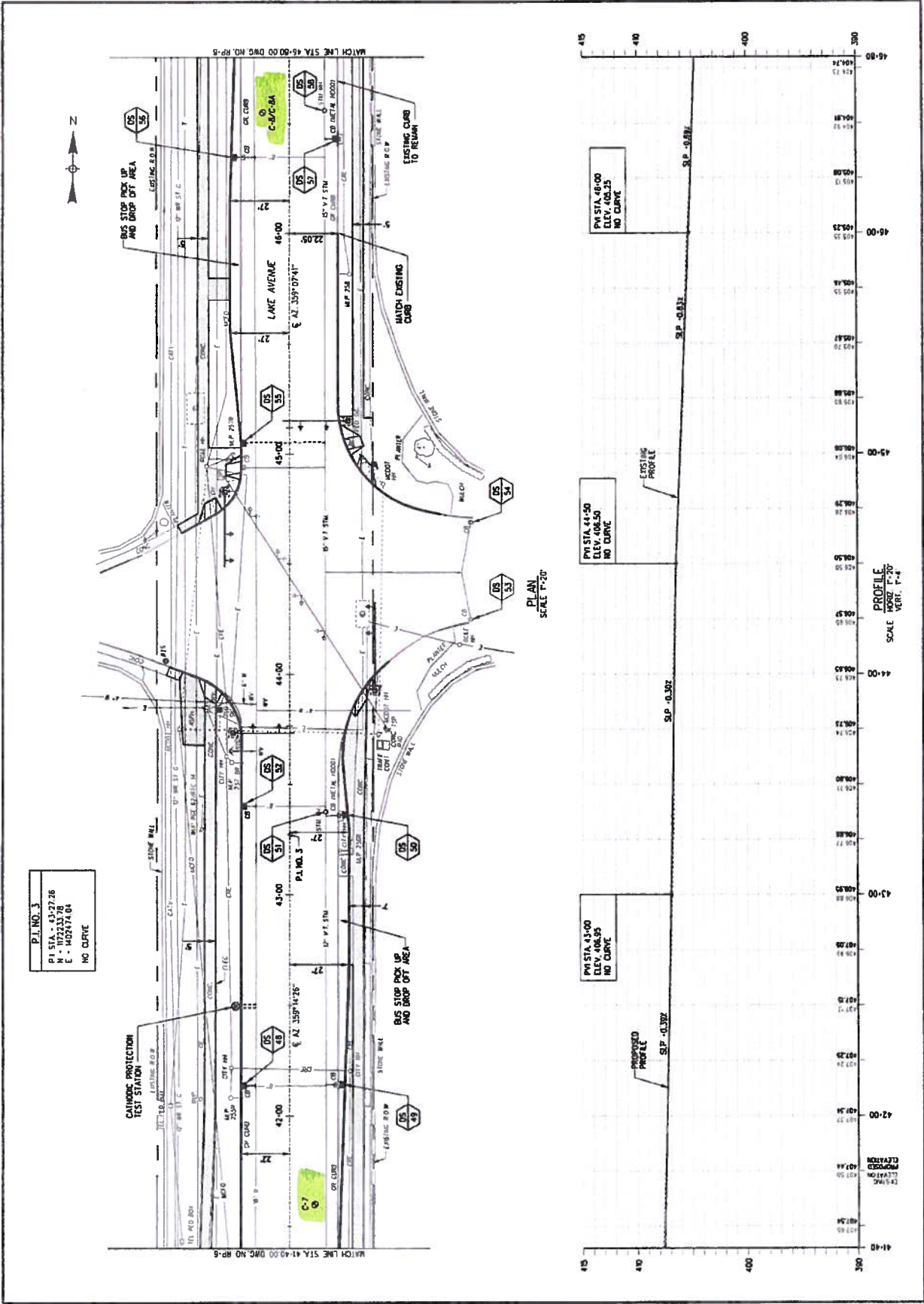
DATE	NOV 2012
BY	NOV 2012
CHECKED	NOV 2012
APPROVED	NOV 2012
REVISIONS	

DATE	NOV 2012
BY	NOV 2012
CHECKED	NOV 2012
APPROVED	NOV 2012
REVISIONS	

TYLINT INTERNATIONAL
 355 EAST AVENUE
 ROCHESTER, NY 14604
 (585) 912-2000

CITY OF ROCHESTER, NEW YORK
 DEPARTMENT OF PUBLIC WORKS
LAKE AVENUE
 FROM 11TH STREET TO 44TH STREET
ROADWAY PLAN AND PROFILE - 7

PROJECT NO.	435433
DATE	NOV 2012
SCALE	1" = 20'
BY	NOV 2012
CHECKED	NOV 2012
APPROVED	NOV 2012
REVISIONS	

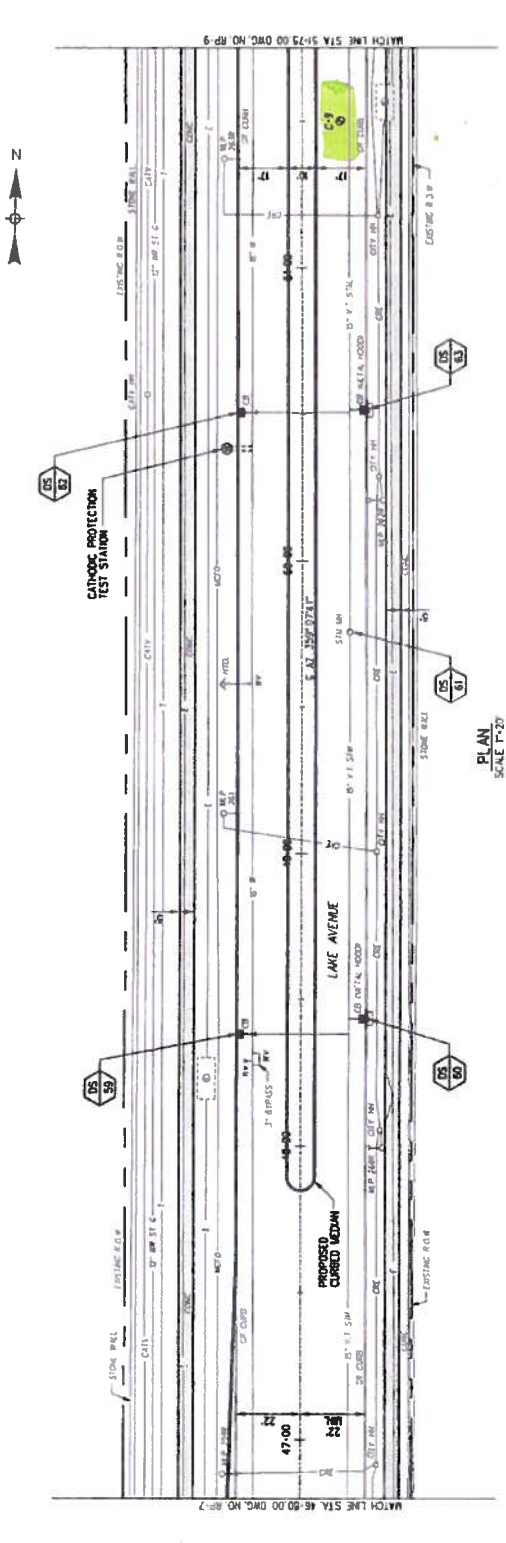
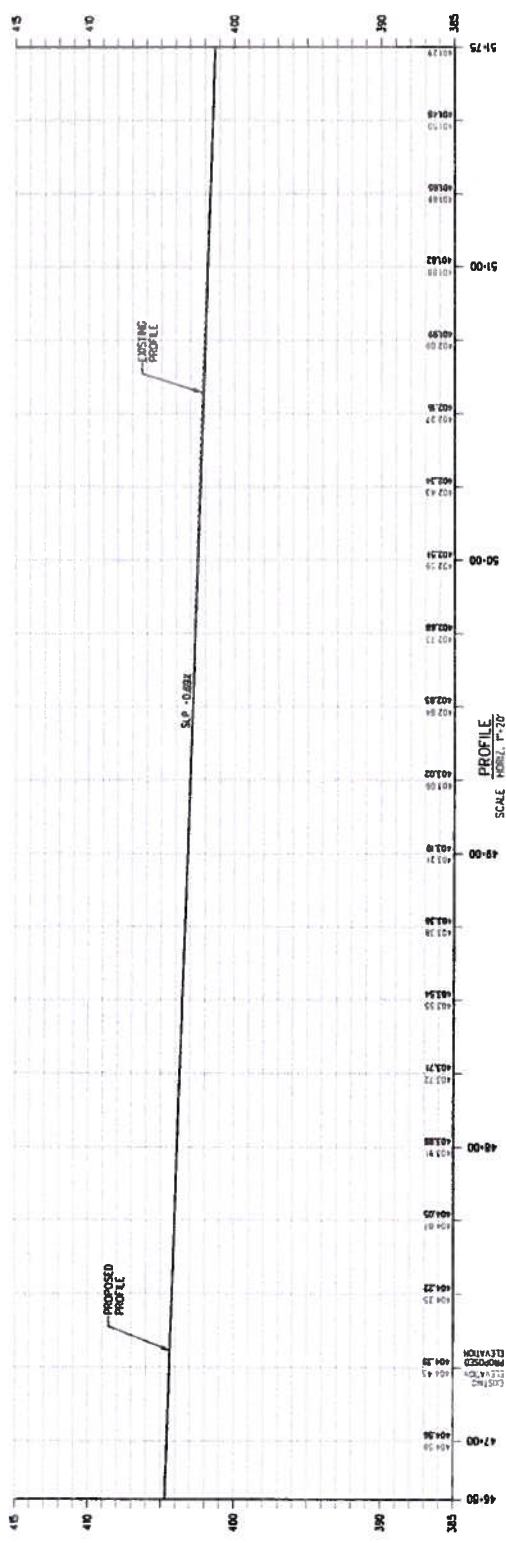


PROJECT NO.	43-5433
DATE	NOV. 2012
SCALE	1"=20'
DRWING NO.	RP-8

CITY OF ROCHESTER, NEW YORK
 LAKES AVENUE
 ROADWAY PLAN AND PROFILE - B

TYLINT INTERNATIONAL
 255 EAST AVENUE
 ROCHESTER, NY 14604
 (585) 312-3000

DATE	NOV. 2012
SCALE	1"=20'
DRWING NO.	RP-8



CURVE NO. 2	P. C. STA. = 52+68.57
	N = 173174.98
	E = 1402458.71
	P. I. STA. = 55+05.18
	N = 173411.36
	E = 1402470.83
	P. I.
	N = 173293.43
	E = 1402457.91
	Δ = 7° 08' 07" RT
	R = 1800'
	D = 31° 00' 55"
	L = 236.61'
	T = 118.46'
	E = 3.66'

