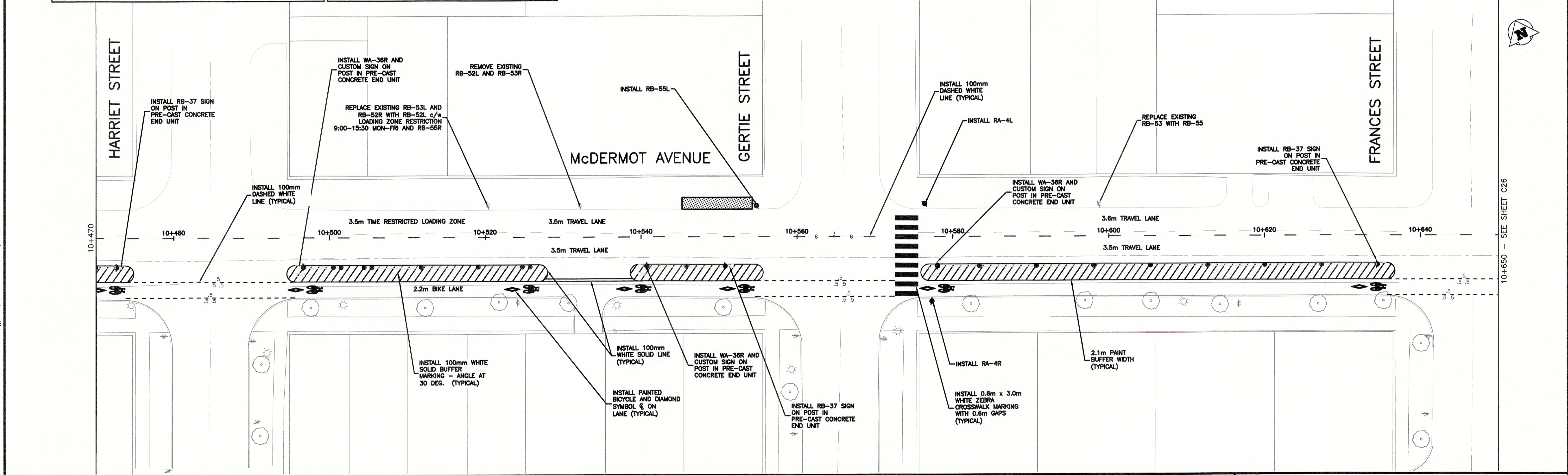


CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED

**ENGINEERS
 GEOSCIENTISTS
 MANITOBA**
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053



150 mm W.M.		150 mm W.M.		HYDRO		ADJUSTABLE CURB	
⊕	WATERMAIN	+	HYDRANT	---	M.T.S.	---	ADJUSTABLE END UNIT
○	VALVE	+	CONCRETE	---	CONCRETE	---	DECORATIVE LIGHT
⊕	LAND DRAINAGE SEWER	○	300mm L.D.S.	---	ASPHALT	---	POLYPOST
⊕	WASTEWATER SEWER	○	250mm W.W.S.	---	PROPERTY LINE	---	
○	MANHOLE	●	250mm W.W.S.	---	SURVEY BAR	---	
○	CATCH BASIN	○	235.750	---	ELEVATION	---	(35.750)
○	CURB INLET	▼	500	---	TREE	---	
○	JUNCTIONS	+	500	---	CEILING	---	
○	CULVERT	---		---	SIDEWALK DETECTABLE	---	
○	GAS	---		---	CONCRETE SIDEWALK	---	
---	FENCE	---		---	FENCE	---	
---	EXISTING	---	PROPOSED	---	EXISTING	---	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.
SUPV. U/G STRUCTURES	DATE	0
COMMITTEE		
NOTE:		
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.		

URBAN systems		
DESIGNED BY	M. Nikolich	CHECKED BY
DRAWN BY	M. Nikolich	APPROVED BY
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:
VERTICAL:		DATE
DATE	MAY 17, 2018	DATE

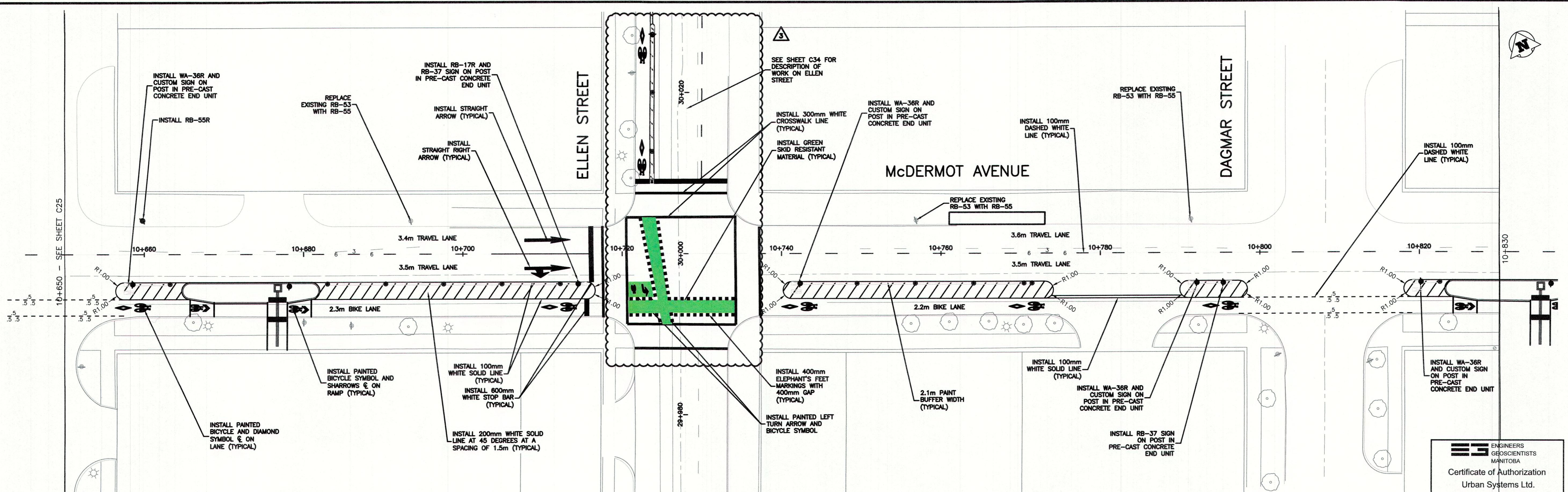
ENGINEER'S SEAL
PROFESSIONAL ENGINEER
 G.R. SMITH
 Member
 43035

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
 Winnipeg

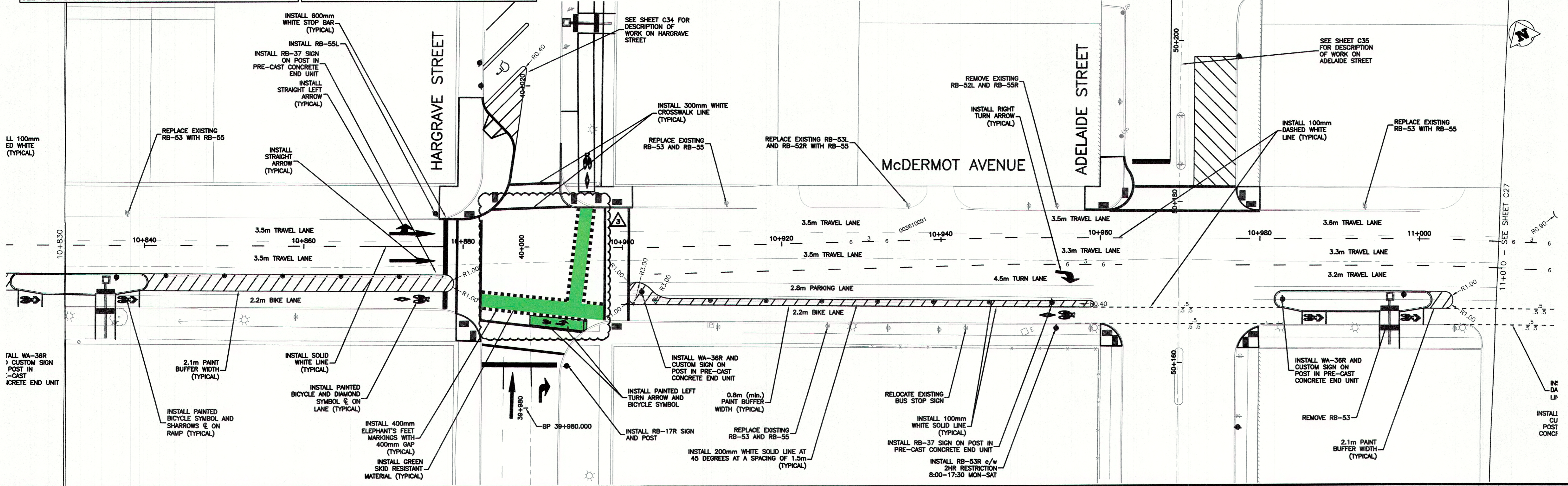
McDermot Bannatyne Adjustable Bike Lanes
 McDermot Avenue
 Signage & Pavement Markings
 Station 10+290 to 10+650

SHEET 25 OF 36
 CAD FILE DRAWING NUMBER
 C24-C36-3354001101-SPM.DWG
 CITY DRAWING NUMBER
 P-3496-25

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CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED



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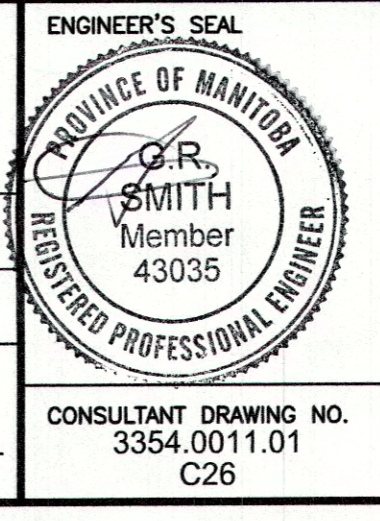
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WATERMAIN	HYDRANT	M.T.S.	ADJUSTABLE END UNIT
VALVE	CONCRETE	ASPHALT	DECORATIVE LIGHT
LAND DRAINAGE SEWER	300mm L.D.S.	PROPERTY LINE	POLYPOST
WASTEWATER SEWER	250mm W.W.S.	SURVEY BAR	
MANHOLE		ELEVATION	(35.750)
CATCH BASIN	235.750	TREE	
CURB INLET	5000	SIDEWALK DETECTABLE	
JUNCTIONS		CONCRETE SIDEWALK	
CULVERT		FENCE	
GAS			
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING
			LEGEND - PROFILE
			PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPV. U/G STRUCTURES DATE COMMITTEE
 NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	NO.	REVISIONS	DATE	BY
	0	ISSUED FOR CONSTRUCTION	2018-05-17	GS
	1	REVISION #1	2018-05-25	GS
	2	REVISION #2	2018-05-07	GS
	3	GREEN PAINT REALIGNMENT	2018-06-20	GS

URBAN systems

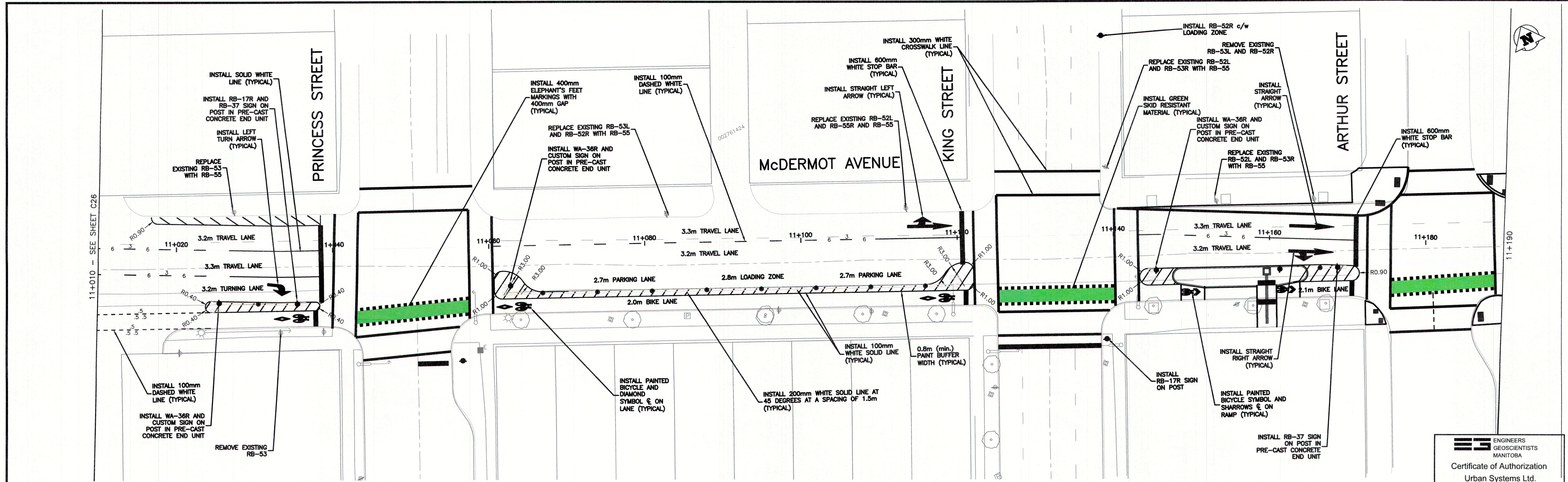
DESIGNED BY: M. Nikolich
 CHECKED BY: G. Smith
 DRAWN BY: M. Nikolich
 APPROVED BY: G. Propp
 HOR. SCALE: 1:250
 VERTICAL: 2018-06-22
 RELEASED FOR CONSTRUCTION BY: 2018-06-22
 DATE: JUNE 20, 2018



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

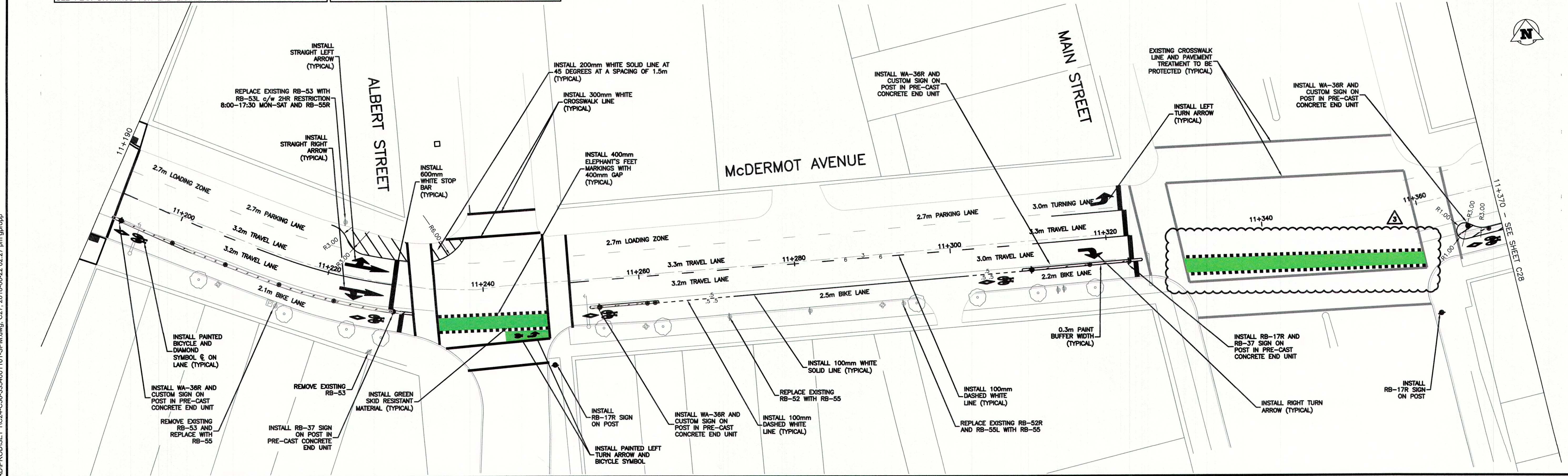
McDermot Bannatyne Adjustable Bike Lanes
 Station 10+650 to 11+010

SHEET 26 OF 36
 CAD FILE DRAWING NUMBER C24-C36-3354001-101-SPM.DWG
 CITY DRAWING NUMBER P-3496-26



CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED

ENGINEERS
GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053



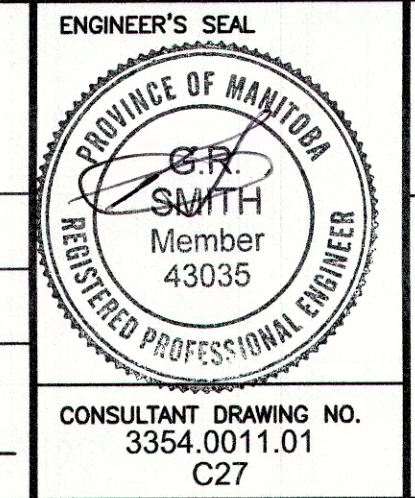
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300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	CONCRETE	ASPHALT	ADJUSTABLE END UNIT
230mm W.W.S.	WASTEWATER SEWER	230mm W.W.S.	PROPERTY LINE	SURVEY BAR	DECORATIVE LIGHT
	MANHOLE		ELEVATION	(35.750)	POLYPOST
	CATCH BASIN		TREE		
	CURB INLET		SIDEWALK DETECTABLE	CONCRETE SIDEWALK	
	JUNCTIONS		FENCE		
	CULVERT				
	GAS				
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED
			EXISTING	LEGEND - PROFILE	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPV. U/G STRUCTURES COMMITTEE
 NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	NO.	REVISIONS	DATE	BY
	0	ISSUED FOR CONSTRUCTION	2018-05-17	GS
	1	REVISION #1	2018-05-25	GS
	2	REVISION #2	2018-06-07	GS
	3	GREEN PAINT ADDED	2018-06-20	GS

URBAN systems

DESIGNED BY: M. Nikolic
 CHECKED BY: G. Smith
 DRAWN BY: M. Nikolic
 APPROVED BY: G. Propp
 HOR. SCALE: 1:250
 VERTICAL: 2018-06-22
 RELEASED FOR CONSTRUCTION BY: 2018-06-22
 DATE: JUNE 20, 2018

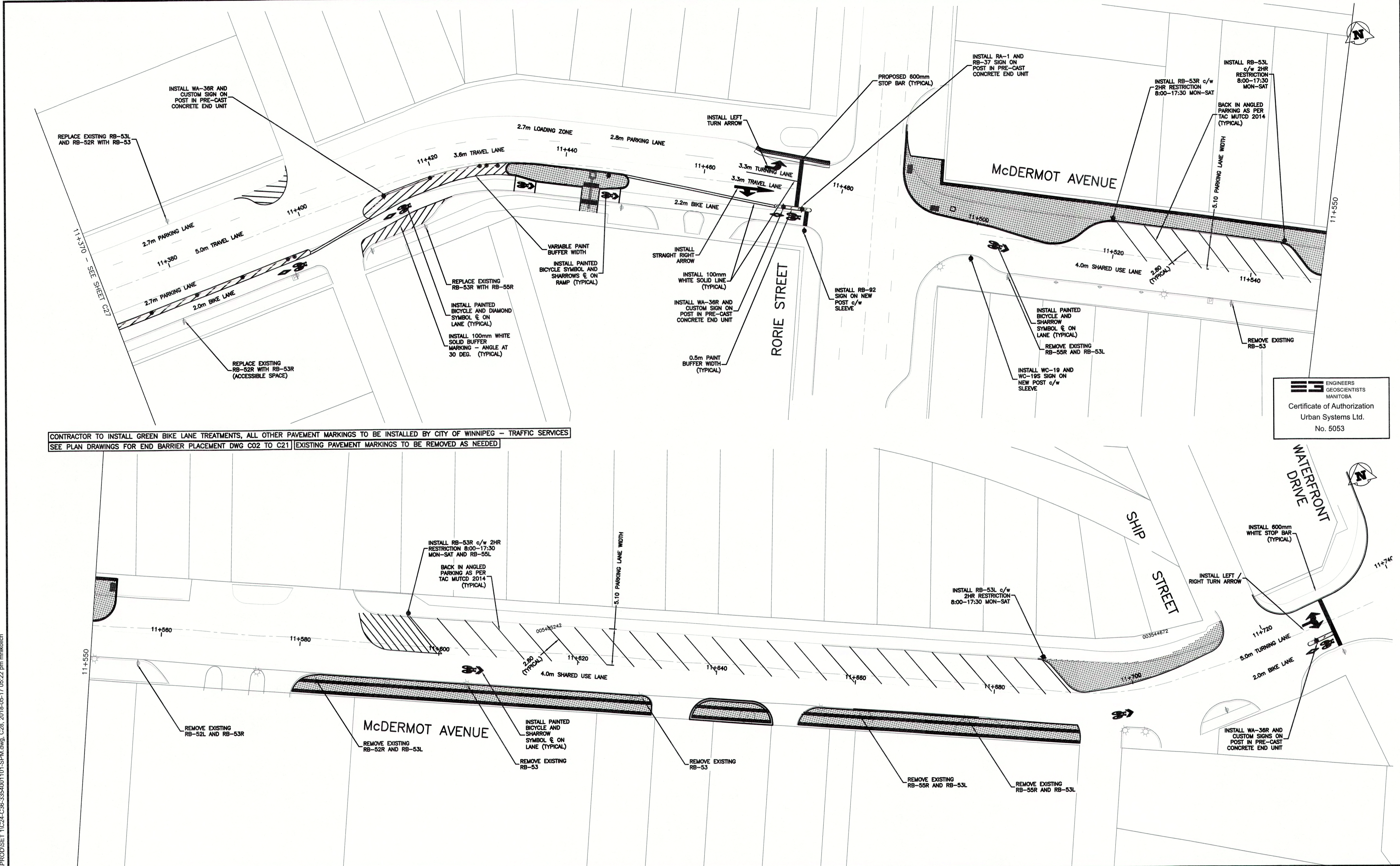


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

McDermot Bannatyne Adjustable Bike Lanes
 McDermot Avenue
 Signage & Pavement Markings
 Station 11+010 to 11+370

SHEET	27	OF	36
CAD FILE DRAWING NUMBER	C24-C36-3354001101-SPM.DWG		
CITY DRAWING NUMBER	P-3496-27		

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CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED

ES ENGINEERS
 GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053

	WATERMAIN		HYDRO		ADJUSTABLE CURB	LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. 0 ISSUED FOR CONSTRUCTION 2018-05-17 GS NO. REVISIONS DATE BY
	VALVE		CONCRETE		DECORATIVE LIGHT		
	LAND DRAINAGE SEWER		ASPHALT		POLYPOST	LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. 0 ISSUED FOR CONSTRUCTION 2018-05-17 GS NO. REVISIONS DATE BY
	WASTEWATER SEWER		PROPERTY LINE		SURVEY BAR		
	MANHOLE		ELEVATION (35.750)		TREE	LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. 0 ISSUED FOR CONSTRUCTION 2018-05-17 GS NO. REVISIONS DATE BY
	CATCH BASIN		SIDEWALK DETECTABLE		CONCRETE SIDEWALK		
	CURB INLET		FENCE		LEGEND - PLAN	LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. 0 ISSUED FOR CONSTRUCTION 2018-05-17 GS NO. REVISIONS DATE BY
	JUNCTIONS		PROPOSED		EXISTING		
	CULVERT					LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. 0 ISSUED FOR CONSTRUCTION 2018-05-17 GS NO. REVISIONS DATE BY
	GAS						
	EXISTING		LEGEND - PLAN		PROPOSED	LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. 0 ISSUED FOR CONSTRUCTION 2018-05-17 GS NO. REVISIONS DATE BY
	PROPOSED		EXISTING		LEGEND - PROFILE		

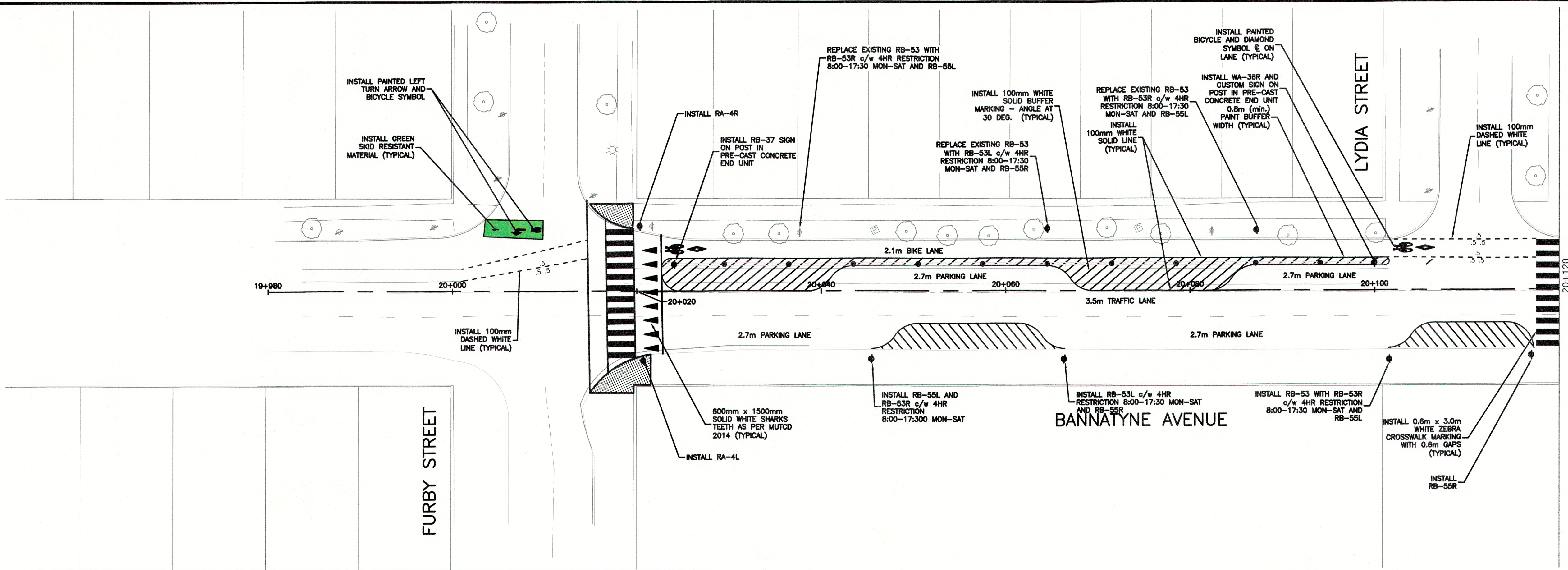
URBAN systems			
DESIGNED BY	M. Nikolich	CHECKED BY	G. Smith
DRAWN BY	M. Nikolich	APPROVED BY	G. Propp
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:			
CONSULTANT DRAWING NO. 3354.0011.01 C28		ENGINEER'S SEAL 	

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 Engineering Division

McDermot Bannatyne Adjustable
 Bike Lanes
 McDermot Avenue
 Signage & Pavement Markings
 Station 11+370 to 11+740

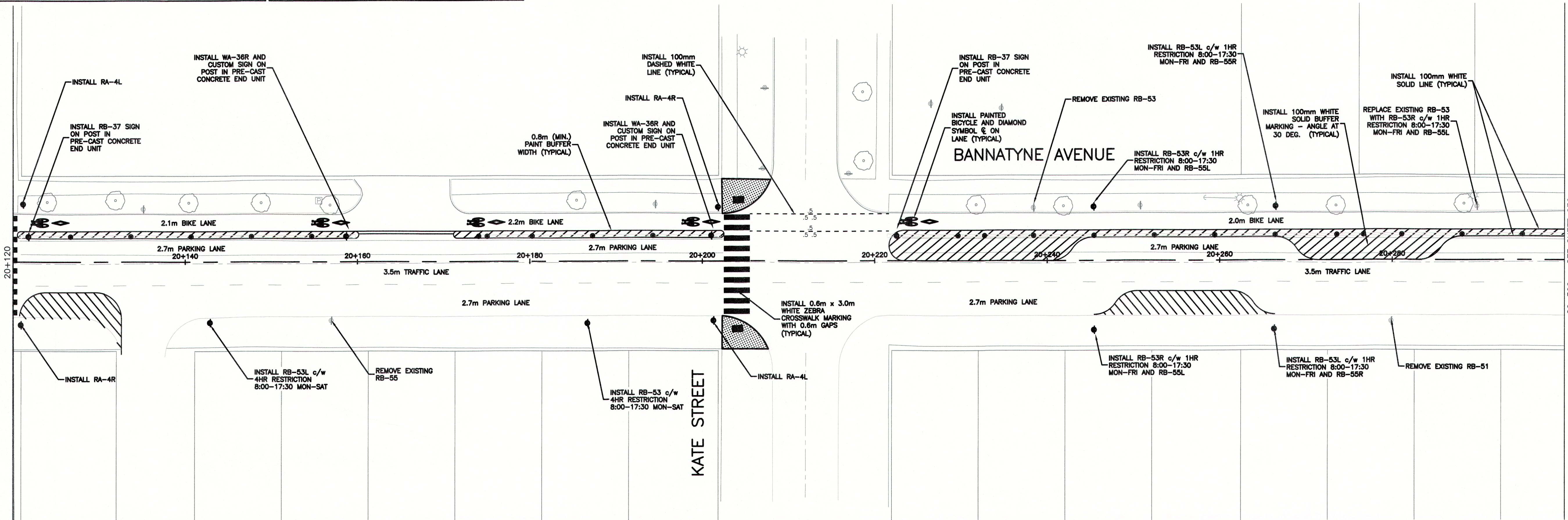
SHEET 28 OF 36
 CAD FILE DRAWING NUMBER C24-C36-3354001101-SPM.DWG
 CITY DRAWING NUMBER P-3496-28

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ES ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
Urban Systems Ltd.
No. 5053

CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED



20+300 - SEE SHEET C30

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
	WATERMAIN			HYDRO			ADJUSTABLE CURB	
	HYDRANT			M.T.S.			ADJUSTABLE END UNIT	
	VALVE			CONCRETE			DECORATIVE LIGHT	
	LAND DRAINAGE SEWER			ASPHALT			POLYPOST	
	WASTEWATER SEWER			PROPERTY LINE				
	MANHOLE			SURVEY BAR				
	CATCH BASIN			ELEVATION				
	CURB INLET			TREE				
	JUNCTIONS			SIDEWALK DETECTABLE				
	CULVERT			CONCRETE SIDEWALK				
	GAS			FENCE				

LOCATION APPROVED UNDERGROUND STRUCTURES
SUPV. U/G STRUCTURES COMMITTEE DATE
NOTE:
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NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2018-05-17	GS

URBAN
systems

DESIGNED BY: M. Nikolich
DRAWN BY: M. Nikolich
HOR. SCALE: 1:250
VERTICAL:

CHECKED BY: G. Smith
APPROVED BY: G. Propp
RELEASED FOR CONSTRUCTION BY:

DATE: MAY 17, 2018

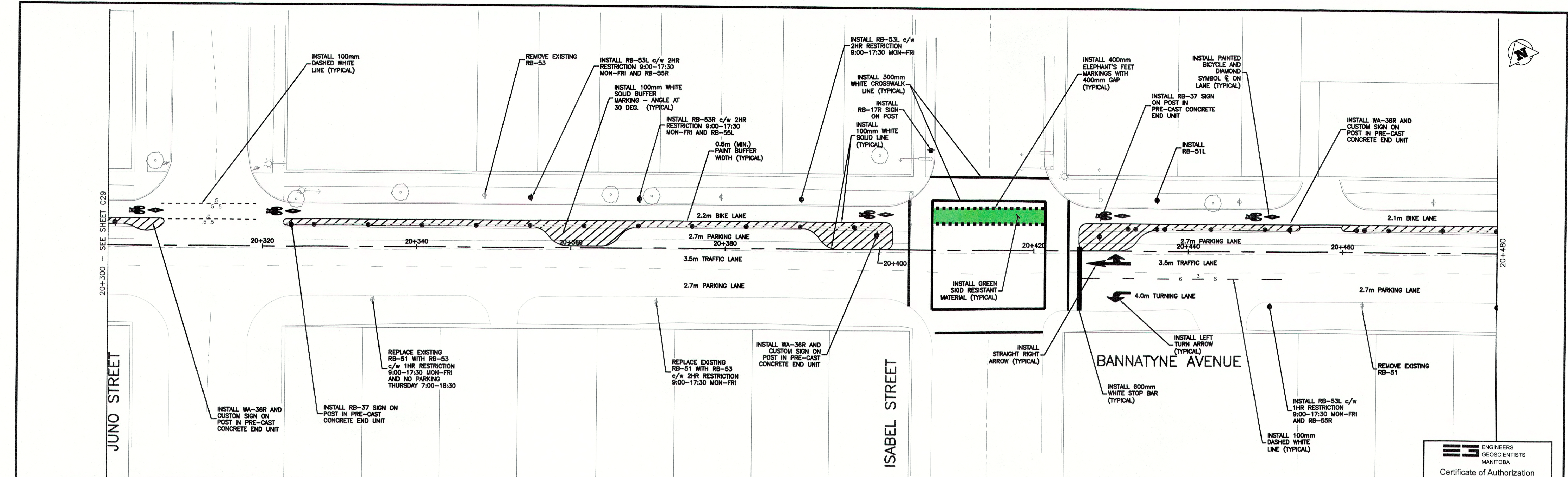
ENGINEER'S SEAL
PROFESSIONAL ENGINEER
SMITH
Member
43035
2018-05-18
CONSULTANT DRAWING NO.
3354.0011.01
C29

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
Winnipeg

McDermot Bannatyne Adjustable
Bike Lanes
Bannatyne Avenue
Signage & Pavement Markings
Station 20+000 to 20+300

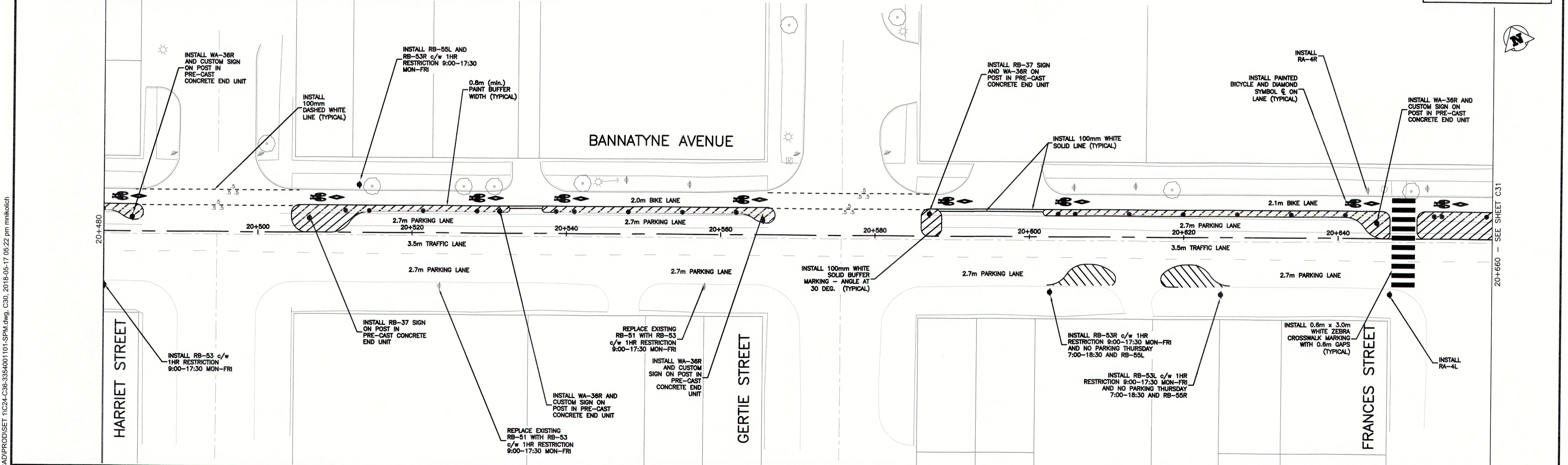
SHEET 29 OF 36
CAD FILE DRAWING NUMBER
C24-C36-3354001101-SPM.DWG
CITY DRAWING NUMBER
P-3496-29

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CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED

ENGINEERS
 GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053



EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
	WATERMAIN HYDRANT VALVE			HYDRO M.T.S.			ADJUSTABLE CURB	
	LAND DRAINAGE SEWER			CONCRETE ASPHALT			ADJUSTABLE END UNIT	
	WASTEWATER SEWER			PROPERTY LINE			DECORATIVE LIGHT	
	MANHOLE			SURVEY BAR			POLYPOST	
	CATCH BASIN			ELEVATION				
	CURB INLET			TREE				
	JUNCTIONS			SIDEWALK DETECTABLE				
	CULVERT GAS			CONCRETE SIDEWALK FENCE				

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPV. U/G STRUCTURES COMMITTEE DATE
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NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2018-05-17	GS

URBAN
 systems

DESIGNED BY: M. Nikolich
 DRAWN BY: M. Nikolich
 HOR. SCALE: 1:250
 VERTICAL:

CHECKED BY: G. Smith
 APPROVED BY: G. Propp
 RELEASED FOR CONSTRUCTION BY:

DATE: MAY 17, 2018

ENGINEER'S SEAL

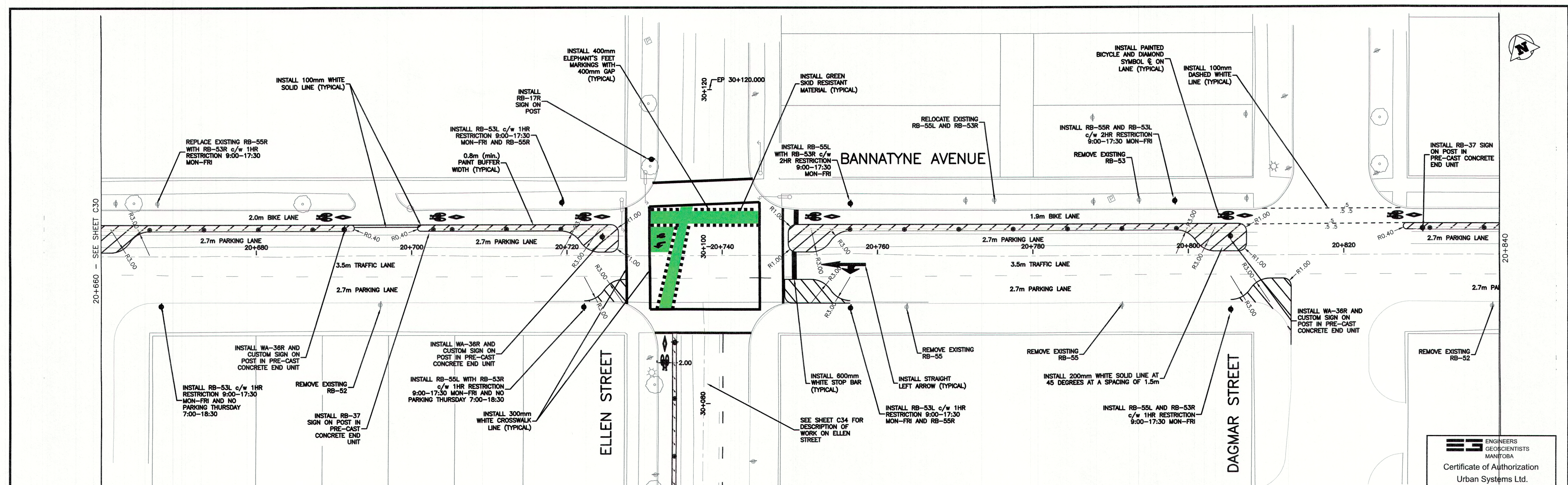
 CONSULTANT DRAWING NO. 3354.0011.01 C30

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

McDermot Bannatyne Adjustable Bike Lanes
 Bannatyne Avenue
 Signage & Pavement Markings
 Station 20+300 to 20+660

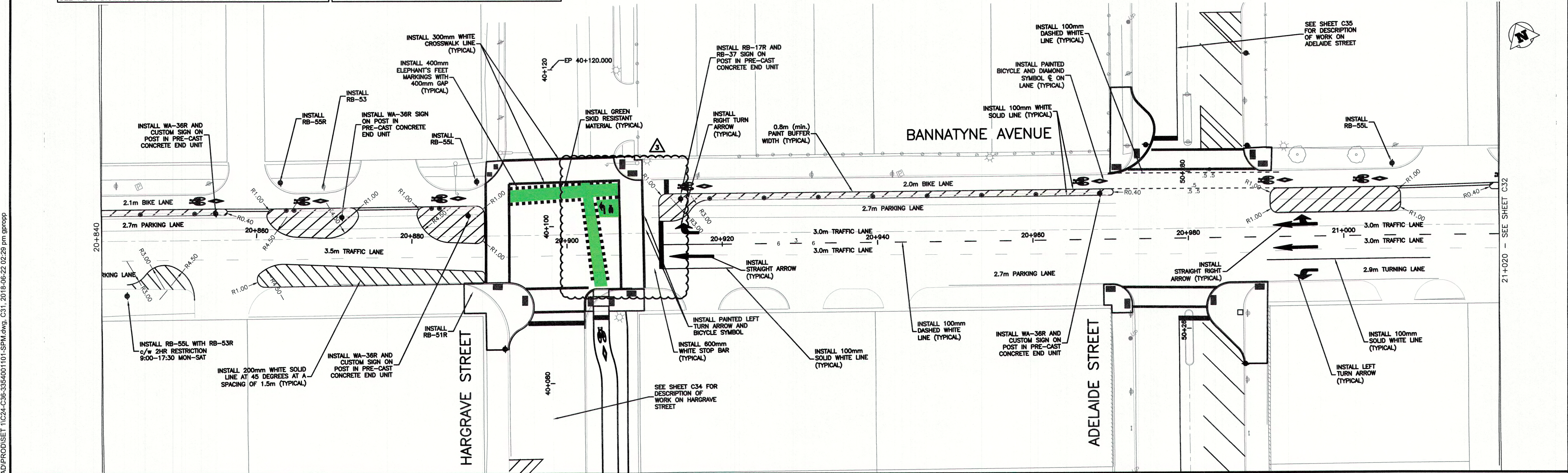
SHEET 30 OF 36
 CAD FILE DRAWING NUMBER C24-C36-3354001101-SPM.DWG
 CITY DRAWING NUMBER P-3496-30

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CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 [EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED]

ES ENGINEERS
 GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053



150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	ADJUSTABLE CURB
	HYDRANT		M.T.S.	ADJUSTABLE END UNIT
	VALVE		CONCRETE	DECORATIVE LIGHT
	LAND DRAINAGE SEWER		ASPHALT	POLYPOST
	WASTEWATER SEWER		PROPERTY LINE	
	MANHOLE		SURVEY BAR	
	CATCH BASIN		ELEVATION (35.750)	
	CURB INLET		TREE	
	JUNCTIONS		SIDEWALK DETECTABLE	
	CULVERT		CONCRETE SIDEWALK	
	GAS		FENCE	
EXISTING	LEGEND - PLAN	PROPOSED	LEGEND - PLAN	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPV. U/G STRUCTURES COMMITTEE DATE
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B.M. ELEV.	NO.	REVISIONS	DATE	BY
	0	ISSUED FOR CONSTRUCTION	2018-05-17	GS
	1	REVISION #1	2018-05-25	GS
	2	REVISION #2	2018-06-07	GS
	3	GREEN PAINT REALIGNMENT	2018-06-22	GS

URBAN
 systems

DESIGNED BY: M. Nikolich
 CHECKED BY: G. Smith
 DRAWN BY: M. Nikolich
 APPROVED BY: G. Propp
 HOR. SCALE: 1:250
 VERTICAL: 1:10
 RELEASED FOR CONSTRUCTION BY: 2018-06-22
 DATE: JUNE 20, 2018

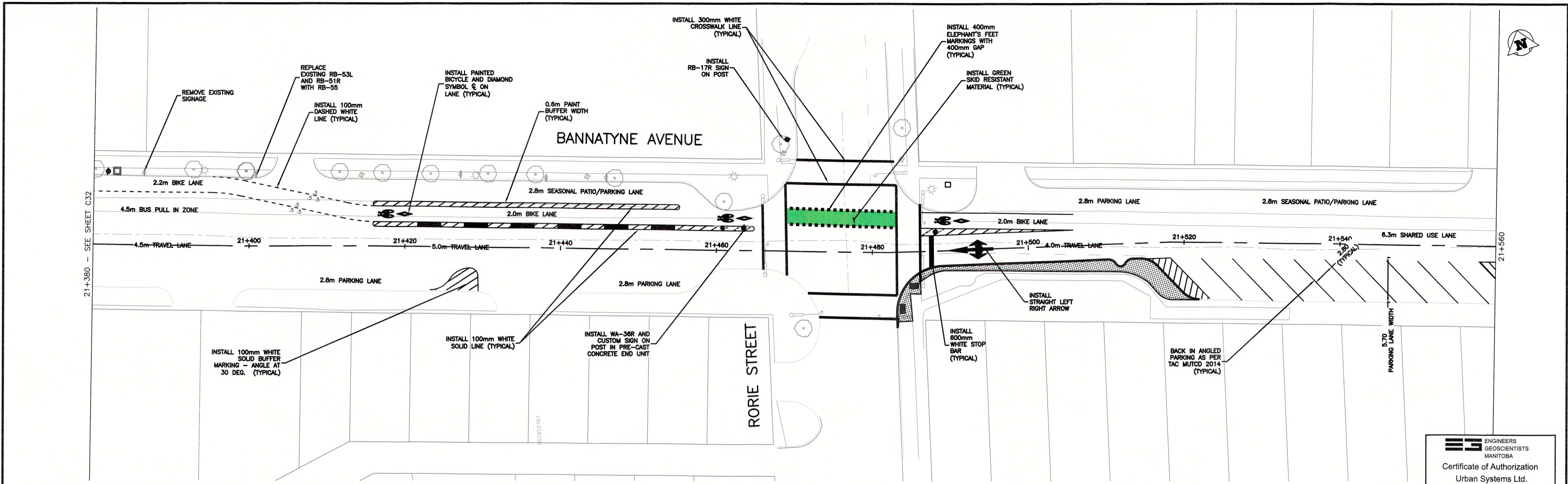
ENGINEER'S SEAL
 PROVINCE OF MANITOBA
 REGISTERED PROFESSIONAL ENGINEER
 G. SMITH
 Member 43035
 CONSULTANT DRAWING NO. 3354.0011.01
 C31

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

McDermot Bannatyne Adjustable
 Bike Lanes
 Bannatyne Avenue
 Signage & Pavement Markings
 Station 20+660 to 21+020

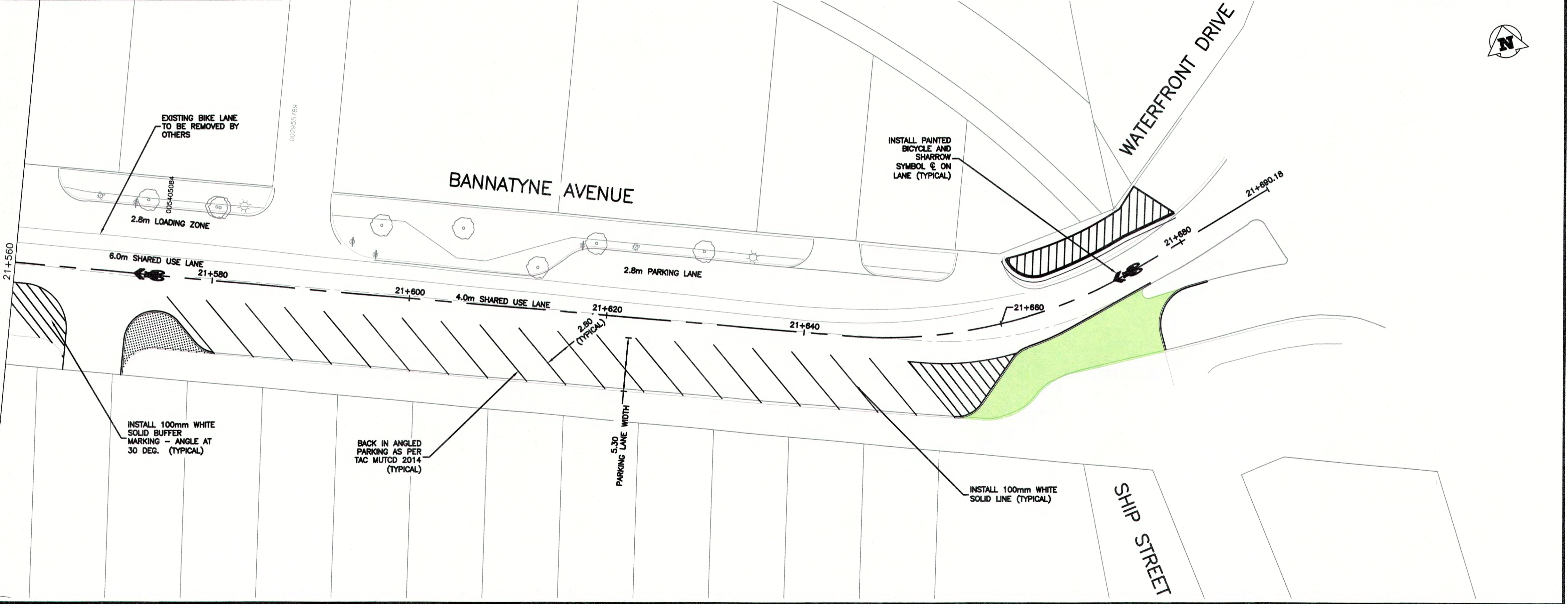
SHEET 31 OF 36
 CAD FILE DRAWING NUMBER C24-C36-3354001101-SPM.DWG
 CITY DRAWING NUMBER P-3496-31

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CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG CO2 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED

ENGINEERS
 GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053



EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	ADJUSTABLE CURB				
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	M.T.S.	ADJUSTABLE END UNIT				
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	CONCRETE	DECORATIVE LIGHT				
	MANHOLE		ASPHALT	POLYPOST				
	CATCH BASIN	235.750	PROPERTY LINE					
	CURB INLET		SURVEY BAR					
	JUNCTIONS		ELEVATION					
	CULVERT		TREE					
	GAS		SIDEWALK DETECTABLE					
			CONCRETE SIDEWALK					
			FENCE					

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPV. U/G STRUCTURES COMMITTEE DATE
 NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2018-05-17	GS

URBAN systems

DESIGNED BY: M. Nikolich
 DRAWN BY: M. Nikolich
 HOR. SCALE: 1:250
 VERTICAL: 1:250

CHECKED BY: G. Smith
 APPROVED BY: G. Propp
 RELEASED FOR CONSTRUCTION BY:

DATE: MAY 17, 2018

ENGINEER'S SEAL

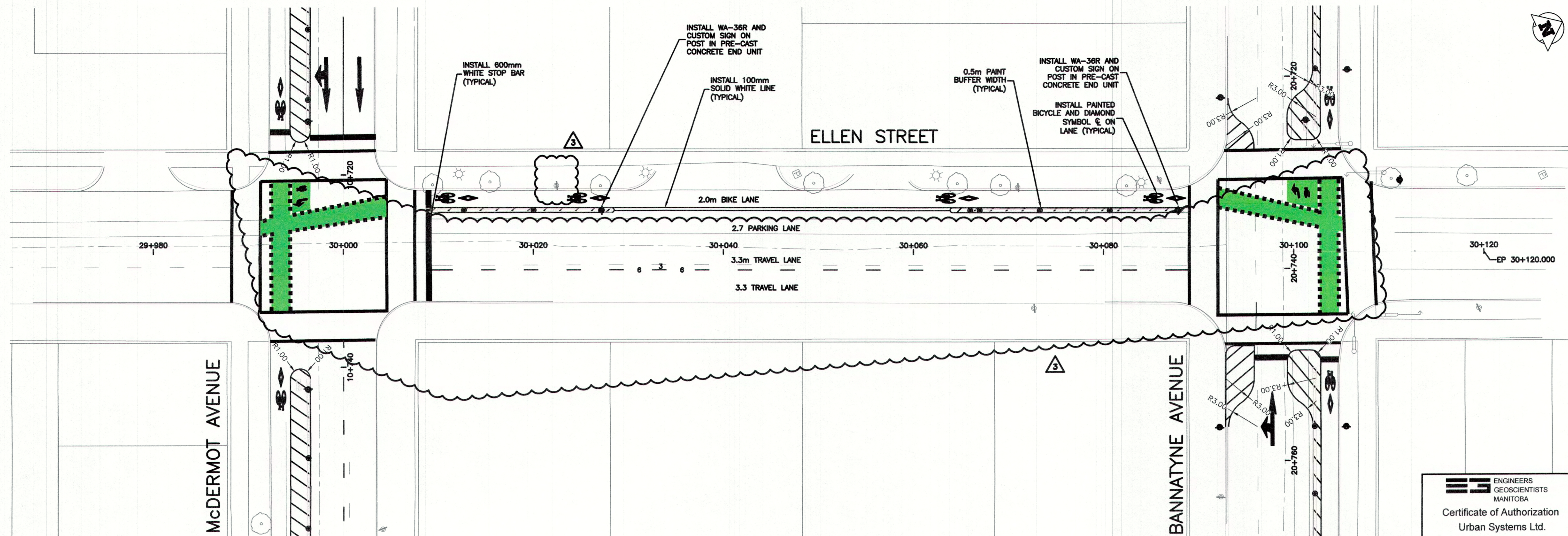
 CONSULTANT DRAWING NO. 3354.0011.01 C33

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

McDermot Bannatyne Adjustable Bike Lanes
 Bannatyne Avenue
 Signage & Pavement Markings
 Station 21+380 to 21+690

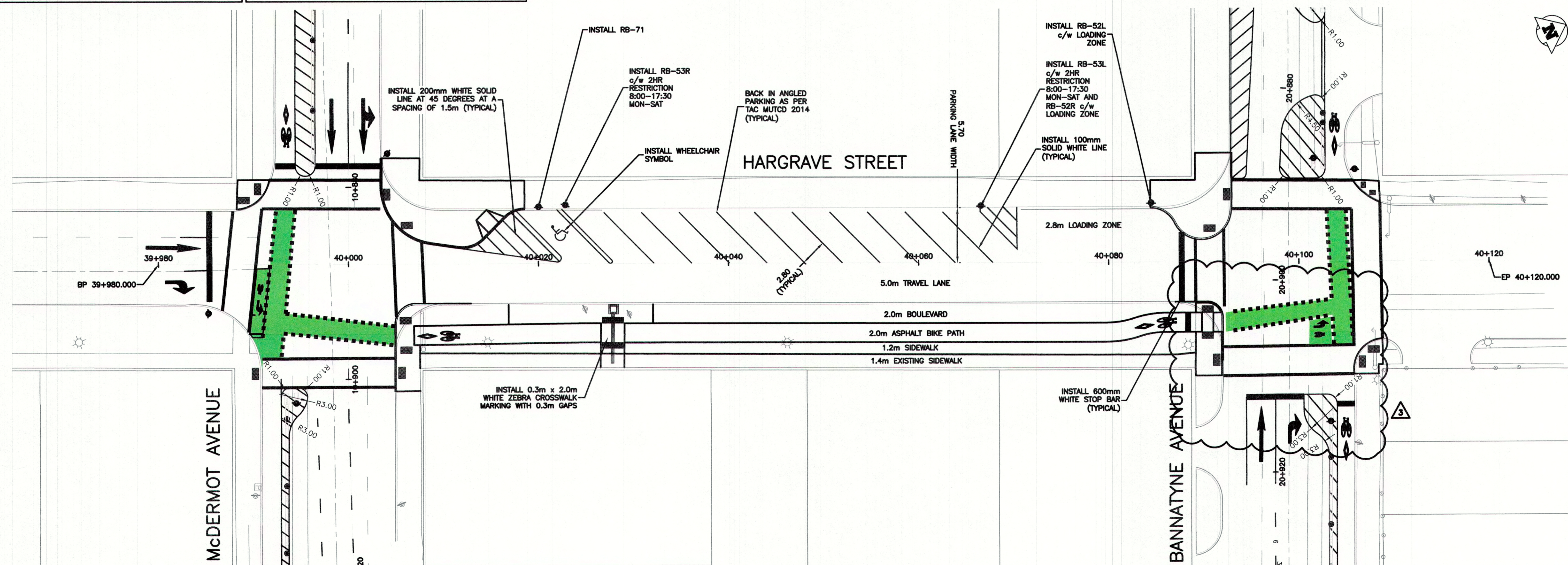
SHEET 33 OF 36
 CAD FILE DRAWING NUMBER C24-C36-3354001101-SPM.DWG
 CITY DRAWING NUMBER P-3496-33

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ES ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
Urban Systems Ltd.
No. 5053

CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED



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150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	ADJUSTABLE CURB
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	M.T.S.	ADJUSTABLE END UNIT
200mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	CONCRETE	DECORATIVE LIGHT
	MANHOLE		ASPHALT	POLYPOST
	CATCH BASIN	235.750	PROPERTY LINE	
	CURB INLET	5008	SURVEY BAR	
	JUNCTIONS		ELEVATION	(35.750)
	CULVERT		TREE	
	GAS		SIDEWALK DETECTABLE	
EXISTING	LEGEND - PLAN	PROPOSED	CONCRETE SIDEWALK	
			FENCE	
			EXISTING	LEGEND - PROFILE
			PROPOSED	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES
SUPV. U/G STRUCTURES COMMITTEE DATE
NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2018-05-17	GS
1	REVISION #1	2018-05-25	GS
2	REVISION #2	2018-06-07	GS
3	SIGNAGE/GREEN PAINT	2018-06-19	GS

URBAN systems

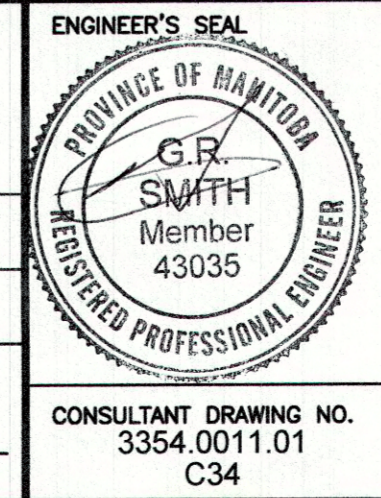
DESIGNED BY: M. Nikolich
DRAWN BY: M. Nikolich

CHECKED BY: G. Smith
APPROVED BY: G. Propp

HOR. SCALE: 1:250
VERTICAL: 2018-06-22

RELEASED FOR CONSTRUCTION BY: 2018-06-22

DATE: JUNE 20, 2018

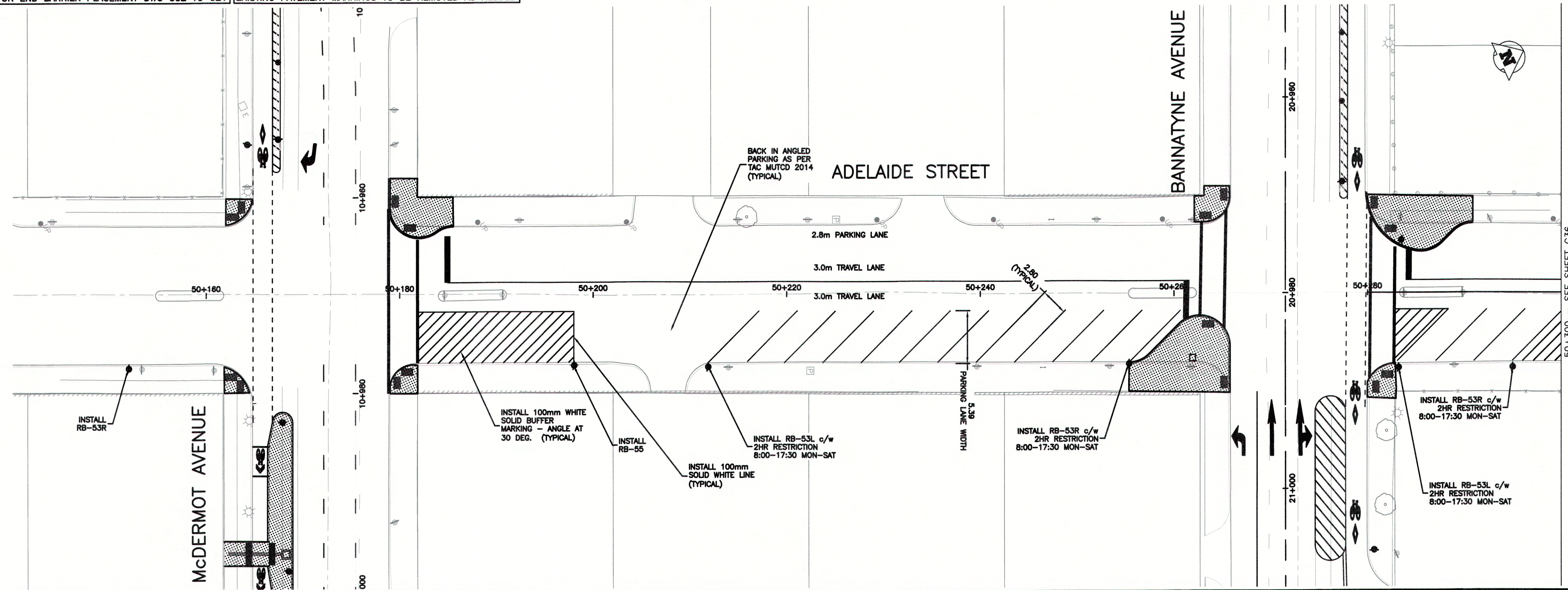


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

McDermot Bannatyne Adjustable Bike Lanes
Ellen Street & Hargrave Street
Signage & Pavement Markings

SHEET 34 OF 36
CAD FILE DRAWING NUMBER C24-C36-3354001101-SPM.DWG
CITY DRAWING NUMBER P-3496-34

CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED



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150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	ADJUSTABLE CURB	LOCATION APPROVED	B.M.
Hydrant	HYDRANT	M.T.S.	ADJUSTABLE END UNIT	UNDERGROUND STRUCTURES	ISSUED FOR CONSTRUCTION	2018-05-17
Valve	VALVE	CONCRETE	DECORATIVE LIGHT	POLYPOST	DATE	GS
300mm L.D.S.	LAND DRAINAGE SEWER	ASPHALT	PROPERTY LINE	SUPV. U/G STRUCTURES	DATE	
250mm W.W.S.	WASTEWATER SEWER	PROPERTY LINE	SURVEY BAR	NOTE:		
Manhole	MANHOLE	ELEVATION	TREE	LOCATION OF UNDERGROUND STRUCTURES		
Catch Basin	CATCH BASIN	(35.750)	CONCRETE SIDEWALK	AS SHOWN ARE BASED ON THE BEST		
Curb Inlet	CURB INLET	235.750	FENCE	INFORMATION AVAILABLE, BUT NO		
Junctions	JUNCTIONS	235.750		GUARANTEE IS GIVEN THAT ALL EXISTING		
Culvert	CULVERT	235.750		UTILITIES ARE SHOWN OR THAT THE GIVEN		
Gas	GAS			LOCATIONS ARE EXACT. CONFIRMATION OF		
Existing	LEGEND - PLAN	Proposed	Existing	LEGEND - PROFILE	Proposed	Existing

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2018-05-17	GS

URBAN
systems

DESIGNED BY: M. Nikolich
DRAWN BY: M. Nikolich
HOR. SCALE: 1:250
VERTICAL:

CHECKED BY: G. Smith
APPROVED BY: G. Propp
RELEASED FOR CONSTRUCTION BY:

DATE: MAY 17, 2018

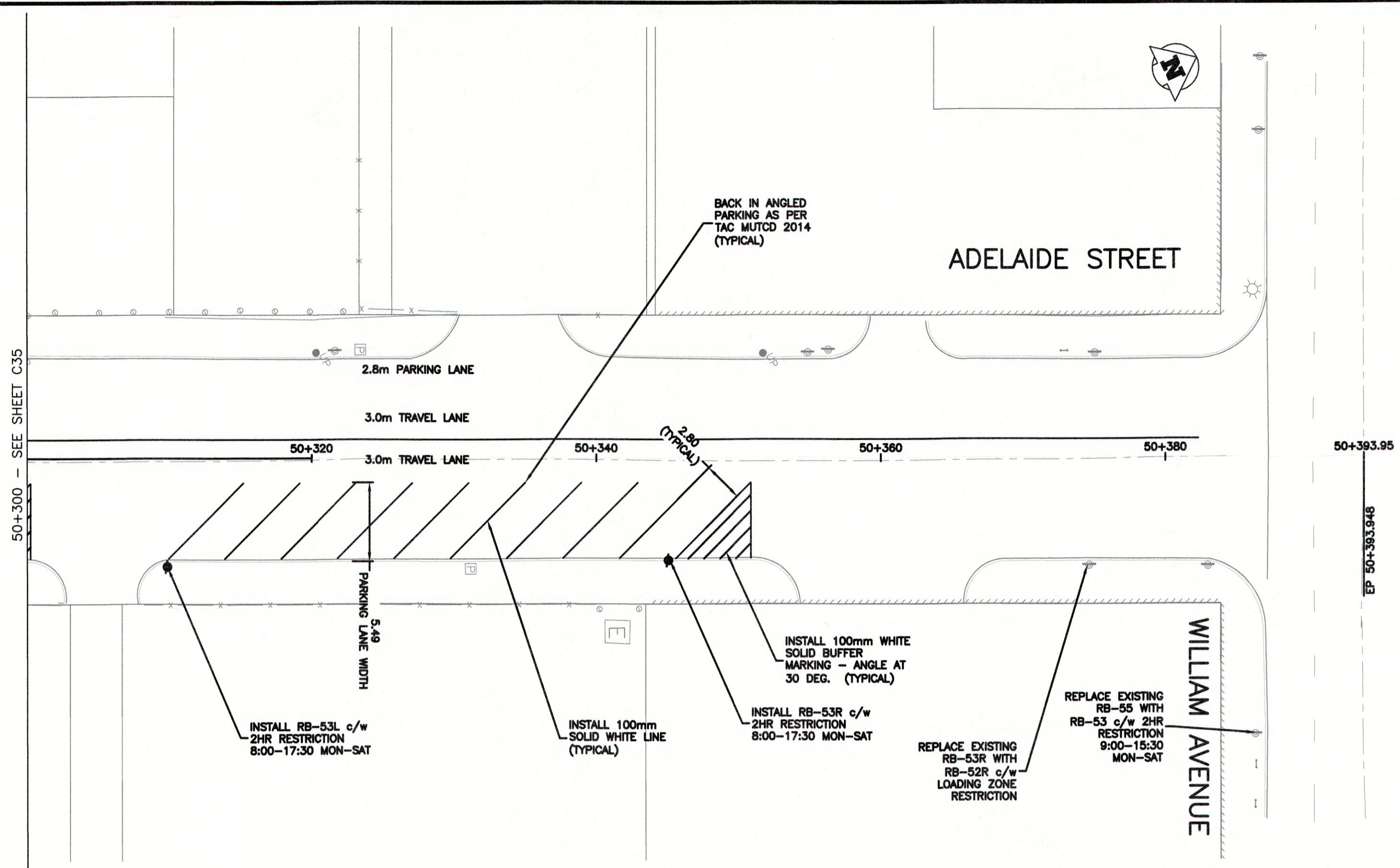
ENGINEER'S SEAL
PROVINCE OF MANITOBA
G.F. SMITH
Member
43035
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
3354.0011.01
C35

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

McDermot Bannatyne Adjustable
Bike Lanes
Adelaide Street
Signage & Pavement Markings
Station 50+000 to 50+300

SHEET 35 OF 36
CAD FILE DRAWING NUMBER
C24-C36-3354001101-SPM.DWG
CITY DRAWING NUMBER
P-3496-35



CONTRACTOR TO INSTALL GREEN BIKE LANE TREATMENTS, ALL OTHER PAVEMENT MARKINGS TO BE INSTALLED BY CITY OF WINNIPEG - TRAFFIC SERVICES
 SEE PLAN DRAWINGS FOR END BARRIER PLACEMENT DWG C02 TO C21 | EXISTING PAVEMENT MARKINGS TO BE REMOVED AS NEEDED

**ENGINEERS
 GEOSCIENTISTS
 MANITOBA**
 Certificate of Authorization
 Urban Systems Ltd.
 No. 5053

U:\Projects_VAN\35454001101\101D-Design\CAD\PROJ\SET 1\C24-C36-3354001101-SPM.dwg, C36, 2016-05-17 09:23 pm mmnikolich

150 mm W.M.	150 mm W.M.	150 mm W.M.	HYDRO	ADJUSTABLE CURB
WATERMAIN	HYDRANT	VALVE	M.T.S.	ADJUSTABLE END UNIT
LAND DRAINAGE SEWER	WASTEWATER SEWER	MANHOLE	CONCRETE	DECORATIVE LIGHT
CATCH BASIN	CURB INLET	JUNCTIONS	ASPHALT	POLYPOST
CULVERT	GAS		PROPERTY LINE	
			SURVEY BAR	
			ELEVATION	
			TREE	
			SIDEWALK DETECTABLE	
			CONCRETE SIDEWALK	
			FENCE	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE

LOCATION APPROVED UNDERGROUND STRUCTURES
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B.M. ELEV.	NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION		2016-05-17	GS

URBAN systems

DESIGNED BY M. Nikolich	CHECKED BY G. Smith
DRAWN BY M. Nikolich	APPROVED BY G. Propp
HOR. SCALE: 1:250	RELEASED FOR CONSTRUCTION BY:
VERTICAL:	
DATE MAY 17, 2018	DATE

ENGINEER'S SEAL

 CONSULTANT DRAWING NO. 3354.0011.01 C36

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

McDermot Bannatyne Adjustable
 Bike Lanes
 Adelaide Street
 Signage & Pavement Markings
 Station 50+300 to 50+393.95

SHEET 36 OF 36
 CAD FILE DRAWING NUMBER C24-C36-3354001101-SPM.DWG
 CITY DRAWING NUMBER P-3496-36