

STORM WATER REHABILITATION 2016

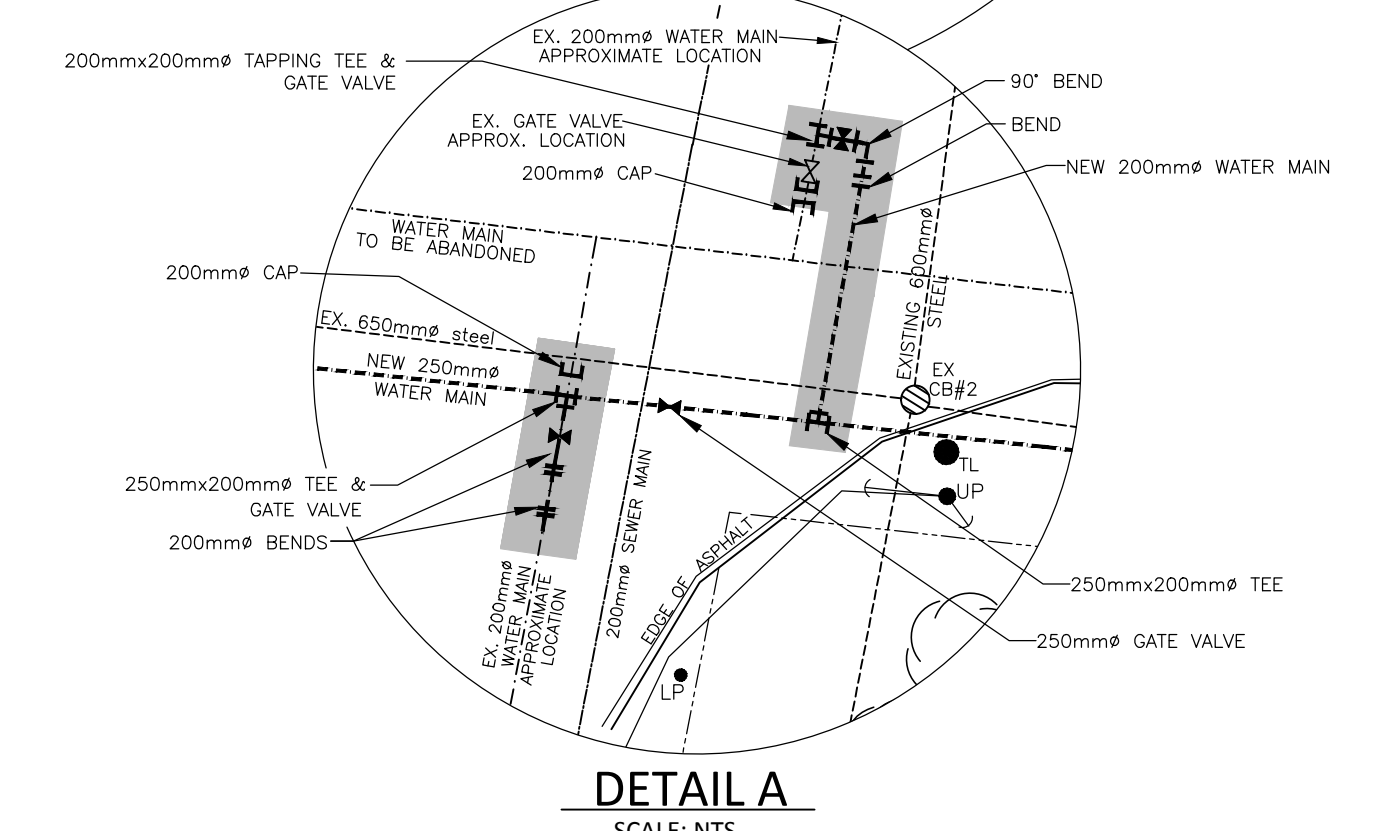
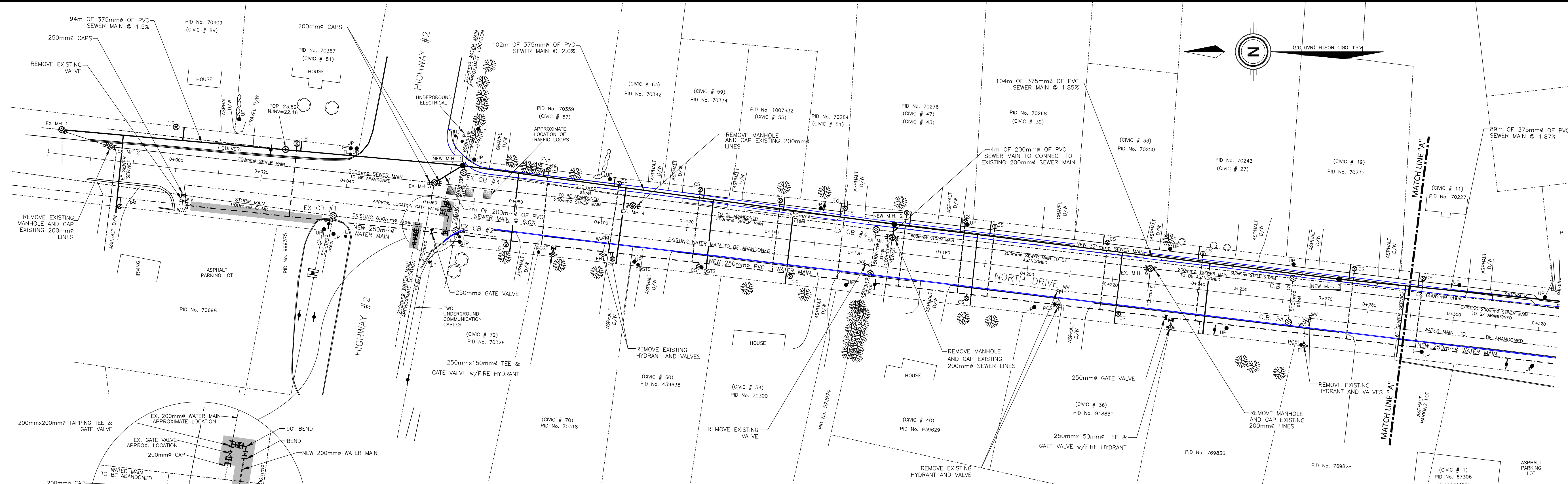
MARCH 2016

**CITY OF SUMMERSIDE
TECHNICAL SERVICES DEPARTMENT**

275 Fitzroy Street
SUMMERSIDE, PE
C1N 1H9

STORM WATER REHABILITATION 2016

SET No:



CATCHBASIN SCHEDULE

CATCH BASIN	ELEVATIONS				TYPE	DIAMETER
	TOP	N INV	E INV	W INV		
EX CB #1	24.26	22.74	22.78	22.86	C	1200
CB #2	24.57	22.81	23.42	23.57	C	1200
CB #3	27.92	22.84	22.84	23.23	C	1200
CB #4	26.59	24.89	24.96	24.96	C	1200
CB 4A	26.55	25.33	25.38	25.38	B	1050
CB 5	28.00	26.41	26.49	26.45	C	1200
CB 5A	28.09	26.67			B	1050

PLAN
SCALE: 1:500

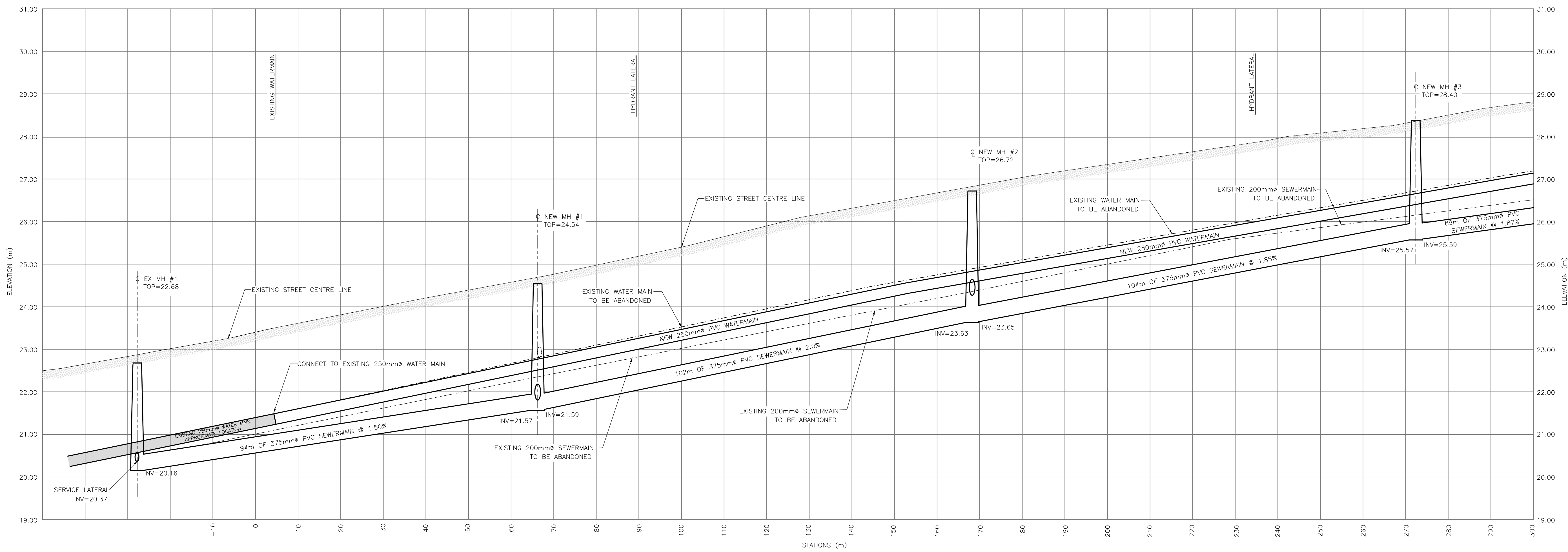
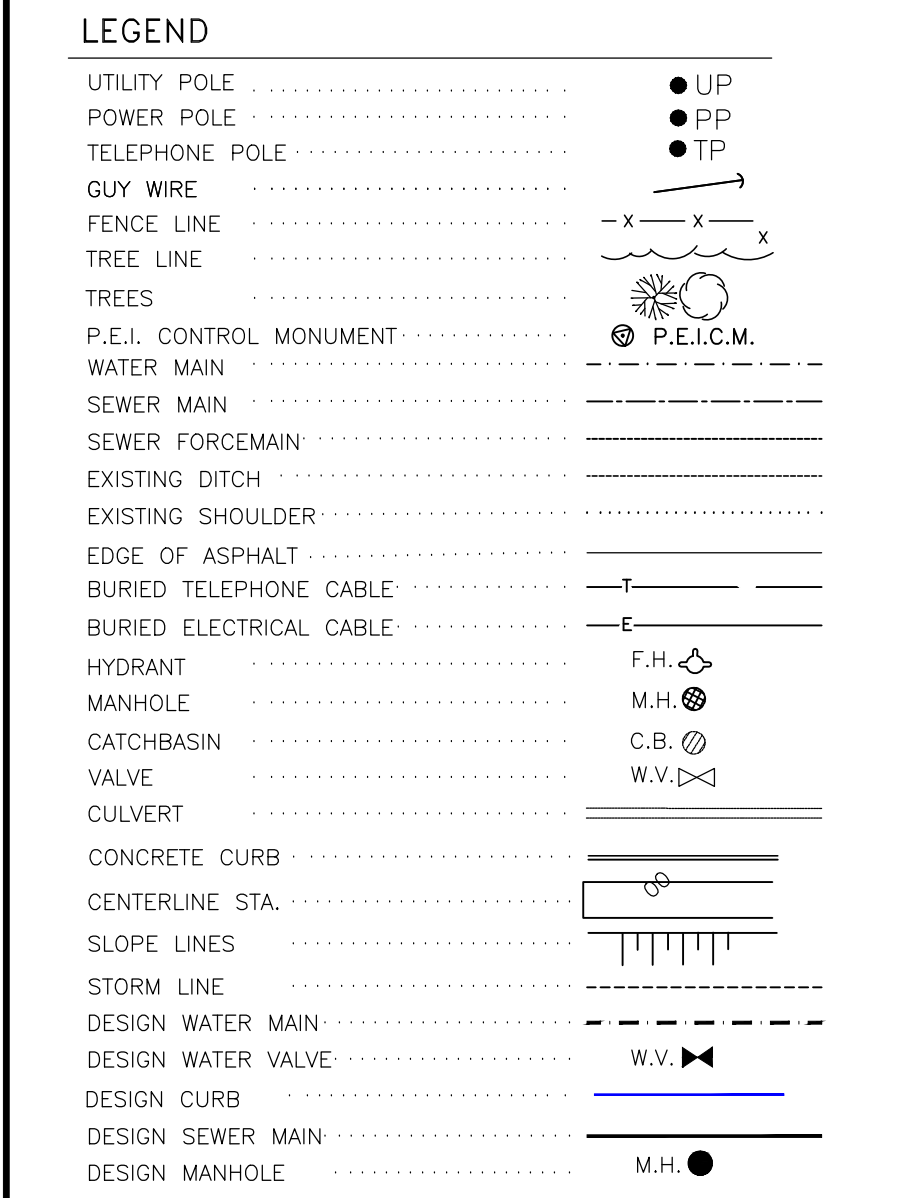
NEW MANHOLE SCHEDULE

MANHOLE	ELEVATIONS			
	TOP	N INV	S INV	W INV
NEW MH #1	24.54	21.57	21.59	21.81
NEW MH #2	26.72	23.71	23.73	24.30
NEW MH #3	28.40	25.57	25.59	

EXISTING MANHOLE SCHEDULE

MANHOLE	ELEVATIONS			
	TOP	N INV	S INV	W INV
EX MH #1	22.68	20.15	20.16	20.37
EX MH #2	20.73	20.73	20.74	21.23
EX MH #3	24.53	22.23	22.23	22.28
EX MH #4	25.44	23.16	23.16	
EX MH #5	26.72	24.34	24.36	24.36
EX MH #6	27.72	25.58	25.58	25.96

- NOTES**
- EXCAVATION WITHIN THREE METRES OF ANY POWER POLE WILL REQUIRE THE POLE TO BE RESTRAINED. THIS IS TO BE COORDINATED WITH THE SUMMERSIDE ELECTRIC UTILITY. ANY COSTS ASSOCIATED WITH RESTRAINING THE POLE AND REINSTALLING ANY ANCHORS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS TO PLAN THE WORK WITH THE UTILITY AND GIVE NOTICE OF AT LEAST THREE WORKING DAYS PRIOR TO THE UTILITY CREWS BEING REQUIRED. IF POLES ARE OWNED BY SOMEONE OTHER THAN THE SUMMERSIDE ELECTRIC UTILITY, THE SAME CONDITIONS WILL APPLY.
 - THE EXISTING INFORMATION GIVEN ON THE DRAWINGS IS TO BE CONSIDERED APPROXIMATE ONLY AND IS NOT TO BE CONSTRUED AS TOTALLY COMPLETE. PRIOR TO START OF WORK THE CONTRACTOR IS RESPONSIBLE TO CONFIRM THE LOCATION OF UNDERGROUND ELECTRICAL, TELEPHONE, COMMUNICATION OR CABLE TELEVISION WIRES AS DIRECTED BY THE APPROPRIATE AUTHORITY. THE CONTRACTOR IS ALSO RESPONSIBLE TO HAVE THE LOCATION OF WATER, SEWER AND STORM DRAINAGE SYSTEMS MARKED AND WHERE IT IS REQUIRED TO CONNECT TO OR CROSS EXISTING PIPES OR WIRES, EXCAVATE TO CONFIRM LOCATION AND SIZES OF PIPES. ALL COSTS ASSOCIATED WITH THIS WORK ARE TO BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO EXTRA COSTS WILL BE ALLOWED.
 - LOCATIONS OF PROPOSED MAINS, VALVES, FITTINGS, MANHOLES AND SERVICES INDICATED ON THE DRAWINGS ARE APPROXIMATE. THE FINAL LOCATION OF EACH SHALL BE APPROVED BY THE ENGINEER ON SITE.
 - ALL SERVICES ARE TO BE AUGERED.
 - ALL FITTINGS ARE TO BE 1m APART UNLESS NOTED OTHERWISE.
 - FOR MORE INFORMATION REFER TO THE SPECIFIC INSTRUCTIONS SECTION OF THE SPECIFICATIONS.



PROFILE
SCALE: HORZ 1:500 VERT. 1:50
(PER CONTRACT PLANS)

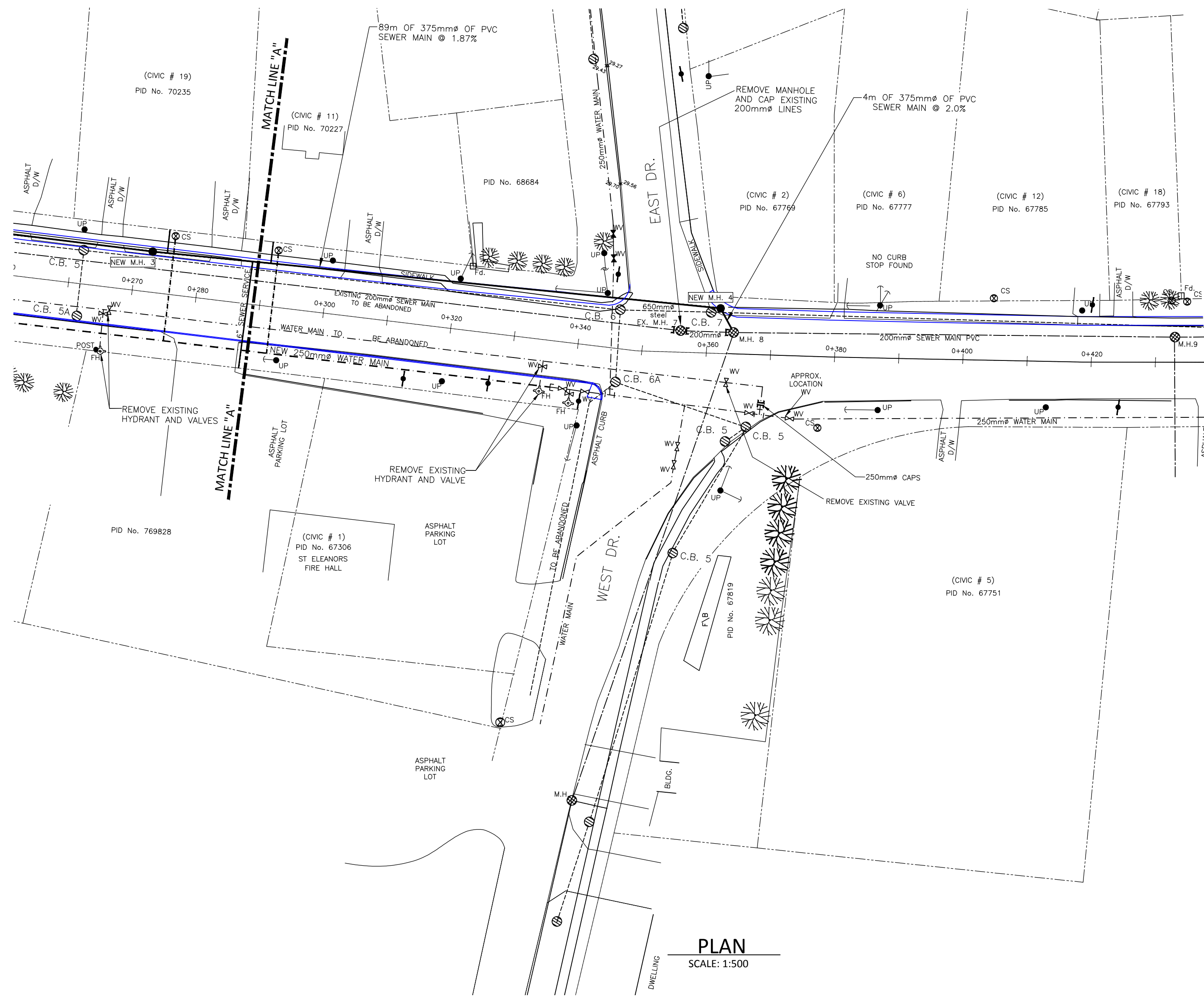
revisions	description	date

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

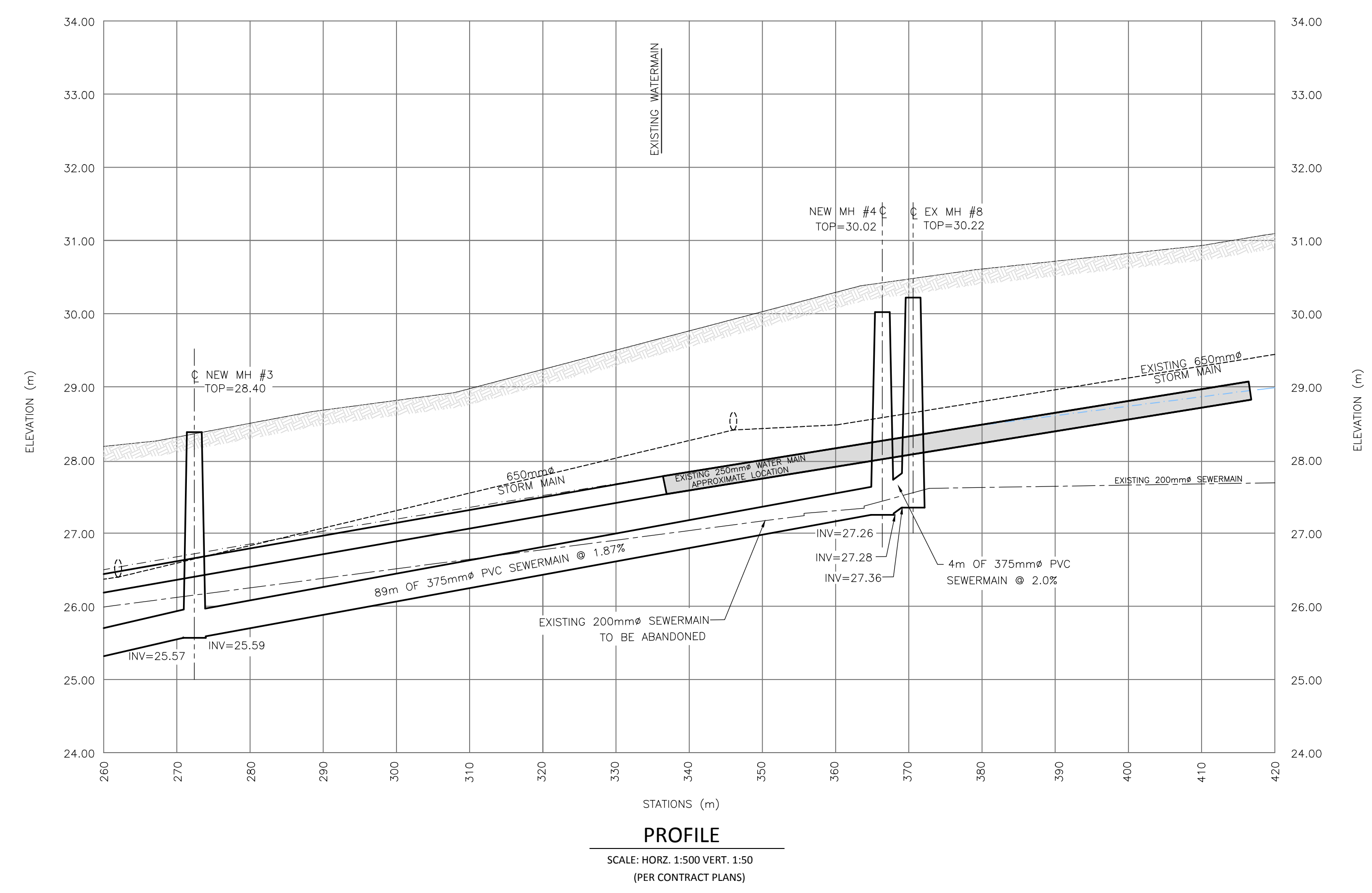
drawing
**NORTH AND SOUTH DRIVE
WATER AND SEWER
PLAN AND PROFILE**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

drawn J.E.C.	date MARCH 2, 2016
scale AS NOTED	
approved T. GALLANT	
project no. 2015-SCF-027	
dwg no. 1 of 14	



PLAN
SCALE: 1:500



PROFILE
SCALE: HORIZ. 1:500 VERT. 1:50
(PER CONTRACT PLANS)

EXISTING MANHOLE SCHEDULE				
MANHOLE	ELEVATIONS			
	EX MH 7	TOP=30.07	N INV=27.24	S INV=27.27	W INV=27.23
EX MH 8	TOP=30.22	N INV=27.34	S INV=27.37	W INV=27.37
EX MH 9	TOP=31.18	N INV=27.71	S INV=27.64	W INV=27.79
EX MH 10	TOP=32.65	N INV=29.94	S INV=29.98	

NEW MANHOLE SCHEDULE				
MANHOLE	ELEVATIONS			
	NEW MH 3	TOP=28.40	N INV=25.57	S INV=25.59
NEW MH 4	TOP=30.02	N INV=27.26	SW INV=27.28	

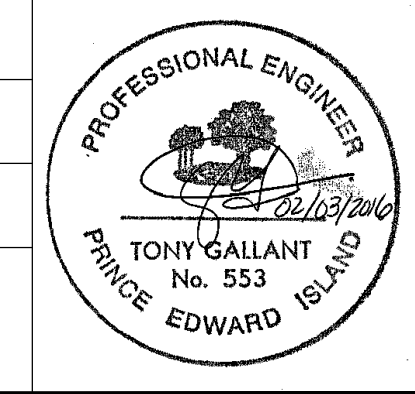
EXISTING CATCHBASIN SCHEDULE				
CATCH BASIN	ELEVATIONS			
	CB 5	TOP=20.56		S INV=19.76
CB 6	TOP=22.47		E INV=N/A	
CB 7	TOP=21.57		S INV=20.70	
CB 8	TOP=20.56		S INV=19.76	
CB 10A	TOP=19.65		SW INV=18.99	
CB 10	TOP=19.78	N INV=18.20	E INV=18.18	S INV=18.21
CB 11	TOP=19.42		E INV=N/A	W INV=N/A
CB 12	TOP=19.17	N INV=17.61	S INV=17.61	
CB 13	TOP=19.49	N INV=17.63	E INV=17.57	W INV=17.57

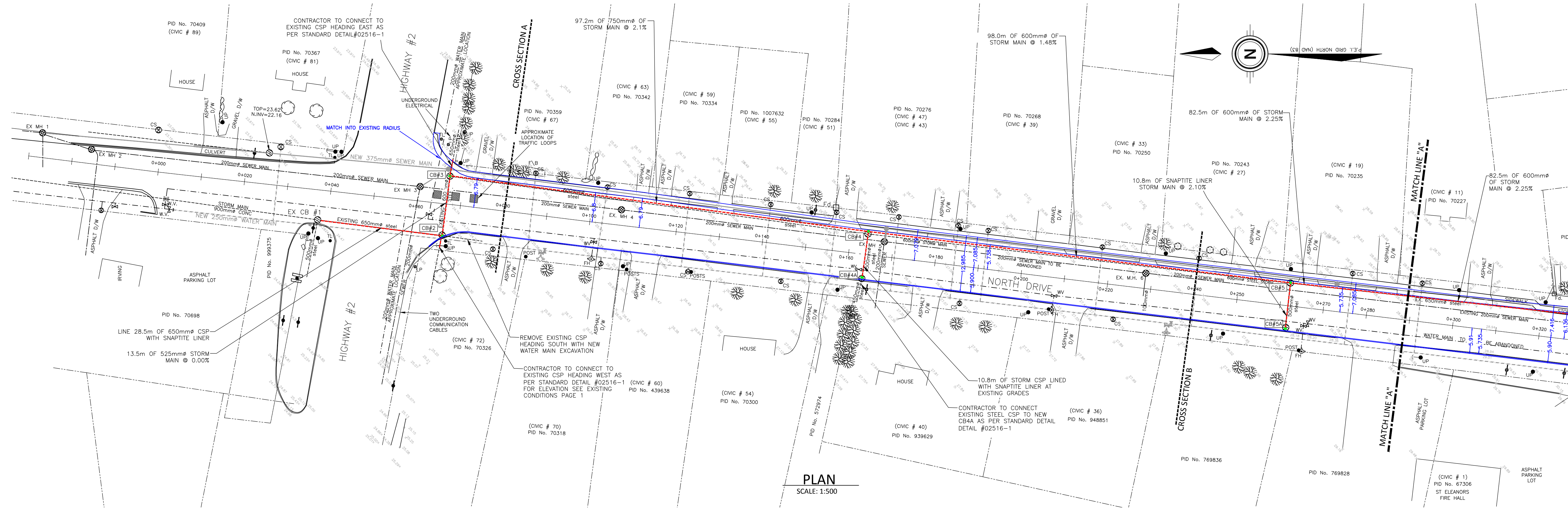
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LEGEND

UTILITY POLE	UP
POWER POLE	PP
TELEPHONE POLE	TP
GUY WIRE	
FENCE LINE	
TREE LINE	.....
TREES	.....
P.E.I. CONTROL MONUMENT	.....	P.E.I.C.M.
WATER MAIN	.....
SEWER MAIN	.....
SEWER FORCEMAIN	.....
EXISTING DITCH	.....
EXISTING SHOULDER	.....
EDGE OF ASPHALT	.....
BURIED TELEPHONE CABLE	.....
BURIED ELECTRICAL CABLE	.....
HYDRANT	.....	F.H.
MANHOLE	.....	M.H.
CATCHBASIN	.....	C.B.
VALVE	.....	W.V.
CULVERT	.....
CONCRETE CURB	.....
CENTERLINE STA.	.....
SLOPE LINES	.....
STORM LINE	.....
DESIGN WATER MAIN	.....
DESIGN WATER VALVE	.....	W.V.
DESIGN STORM MAIN	.....
DESIGN CATCHBASIN	.....	C.B.
DESIGN CURB	.....
DESIGN SEWER MAIN	.....
DESIGN MANHOLE	.....	M.H.

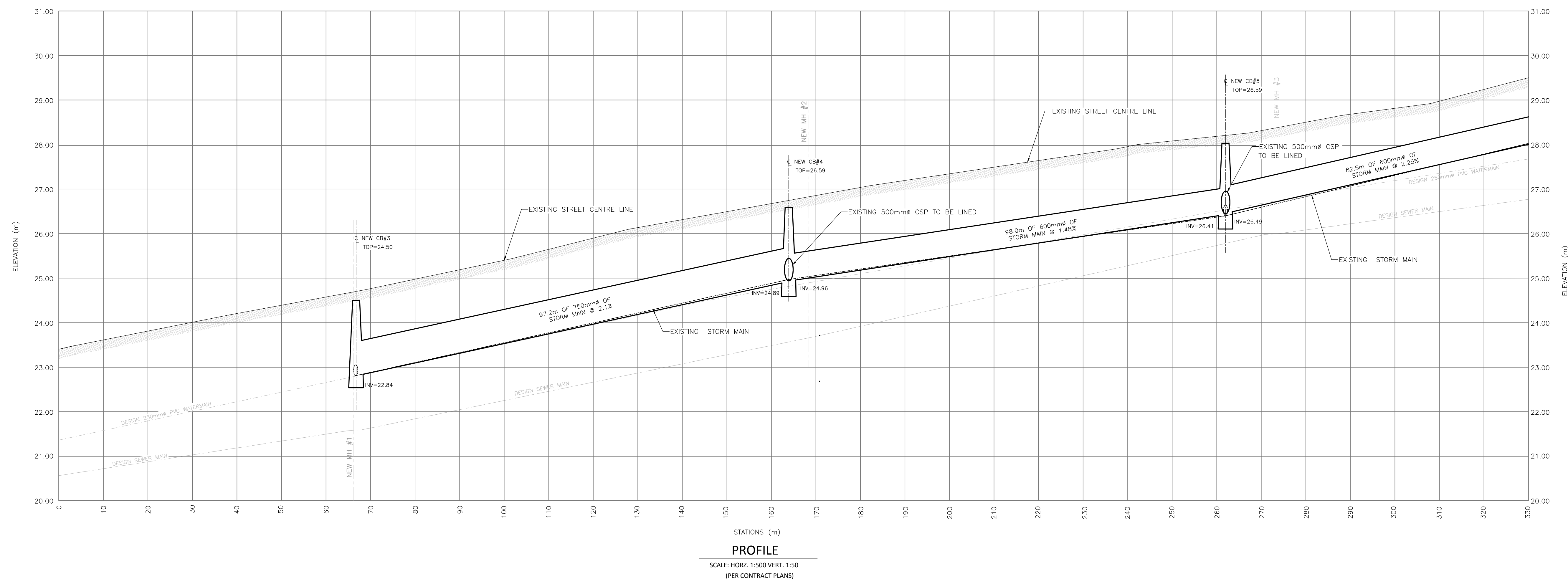
revisions	description	date
project	STORM WATER REHABILITATION NORTH AND SOUTH DRIVE	
drawing	NORTH AND SOUTH DRIVE WATER AND SEWER PLAN AND PROFILE	
	CITY OF SUMMERSIDE	
	275 FITZROY STREET SUMMERSIDE, PE C1N 1H9	
drawn	J.E.C.	date MARCH 2, 2016
scale	AS NOTED	
approved	T. GALLANT	
project no.	2015-SCF-027	
dwg no.	2 of 14	





EXISTING MANHOLE SCHEDULE					
MANHOLE	ELEVATIONS				
MH 1	TOP=22.68	N INV=20.15	S INV=20.16	W INV=20.37	
MH 2	TOP=20.73		S INV=20.74	W INV=21.23	
MH 3	TOP=24.53	N INV=22.23	S INV=22.23	W INV=22.28	
MH 4	TOP=25.44	N INV=23.16	S INV=23.16		
MH 5	TOP=26.72	N INV=24.34	S INV=24.36	W INV=24.36	
MH 6	TOP=27.72	N INV=25.58	S INV=25.58	W INV=25.96	

CATCHBASIN SCHEDULE								
CATCH BASIN	ELEVATIONS				TYPE	DIAMETER	NOTE	
	TOP	N INV	S INV	W INV				
EX CB 1	TOP=24.26	N INV=22.74	S INV=22.78	W INV=22.86			EXISTING	
CB 2	TOP=24.57	N INV=22.81	E INV=22.84	W INV=22.84	D	1500	REPLACEMENT	
CB 3	TOP=24.50		E INV=22.84	S INV=22.84	W INV=22.84	D	1500	REPLACEMENT
CB 4	TOP=26.59	N INV=24.89	S INV=24.96	W INV=24.96	C	1200	REPLACEMENT	
CB 4A	TOP=26.55		E INV=25.33	W INV=25.38	B	1050	REPLACEMENT	
CB 5	TOP=28.00	N INV=26.41	S INV=26.49	W INV=26.45	C	1200	REPLACEMENT	
CB 5A	TOP=29.79		E INV=26.67		B	1050	REPLACEMENT	



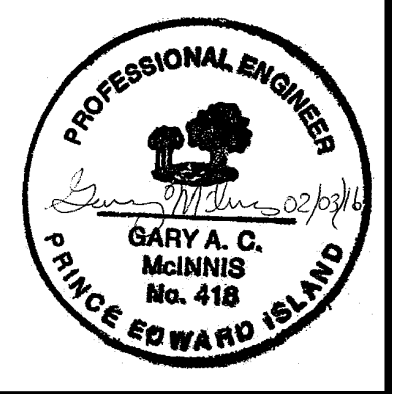
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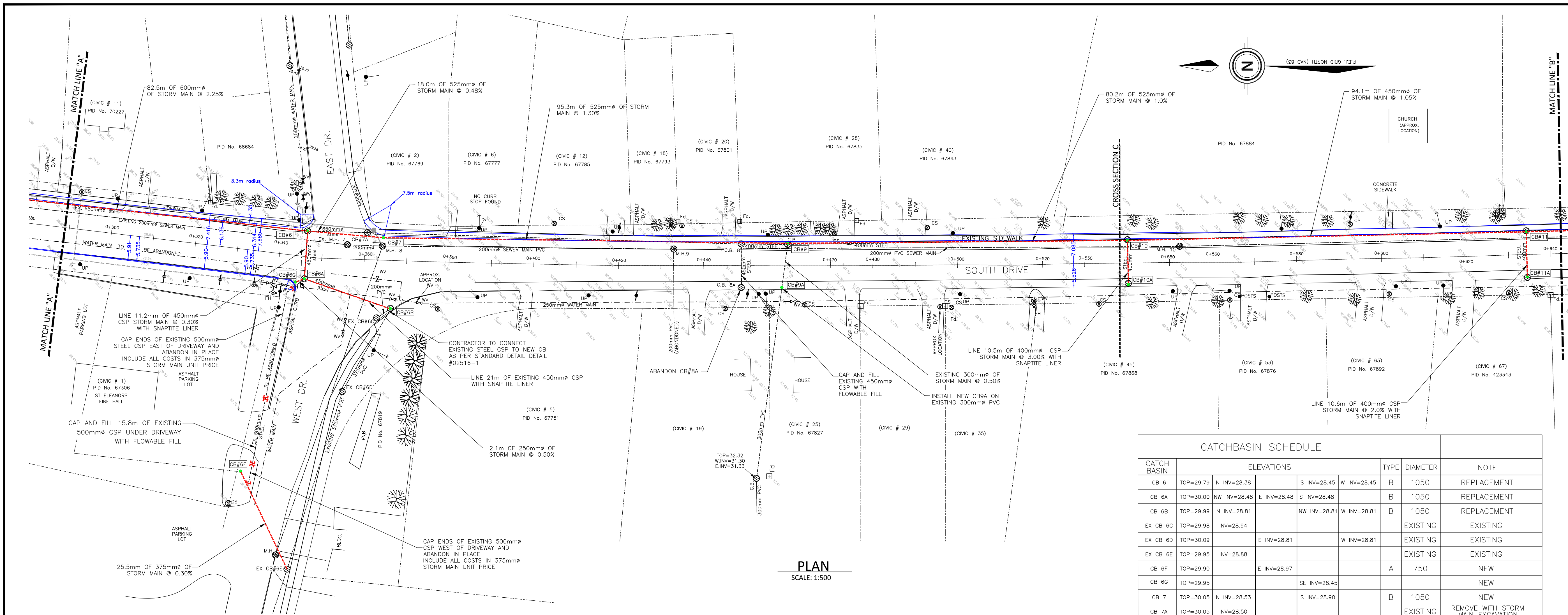
- AT LOCATIONS WHERE NEW PAVED SURFACE MEET EXISTING PAVED STREET, CONNECT AS FOLLOWS:
 - SAW CUT FULL DEPTH ALONG EDGE OF EXISTING PAVED AREA
 - CONSTRUCT STREET AS PER CROSS SECTION AND DETAILS.
 - PLANE 40mm DEPTH OF EXISTING ASPHALT FROM EXISTING PAVED AREA. IF SAWCUT IS NOT CONTINUOUS STRAIGHT CUT CONTRACTOR IS TO PLANE MATCH IN SEAL JOINT TO HAVE CONTINUOUS STRAIGHT EDGE.
 - ADJUST TOP OF ALL SEWER MANHOLES AND WATER VALVES
 - PLACE SEAL AS REQUIRED AFTER TOPSOIL AND SOD PLACEMENT.
- PRIOR TO PLACEMENT OF ASPHALTIC SEAL MATERIALS, THE CONTRACTOR SHALL BE REQUIRED TO PLACE 100mm OF TOPSOIL, SOD AND LANDSCAPE ALL AREAS AFFECTED BY CONSTRUCTION.
- ALL COSTS ASSOCIATED WITH CONNECTIONS TO THE EXISTING OR NEW CATCHBASINS, INCLUDING JACK-HAMMERING, GROUTING AND REPAIRS TO EXISTING OPENINGS (AS PER SPECIAL PROVISIONS), ARE TO BE INCLUDED IN THE PER UNIT BID FOR NEW STORM MAIN BEING INSTALLED. NO EXTRA WILL BE ALLOWED.
- ALL EXISTING INFORMATION GIVEN ON DRAWINGS IS TO BE CONSIDERED APPROXIMATE ONLY, AND IS NOT TO BE CONSTRUED AS TOTALLY COMPLETE. PRIOR TO ANY CONSTRUCTION ACTIVITY IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM ALL REQUIRED INFORMATION REGARDING EXISTING CONDITIONS. (IE. TELEPHONE, ELECTRIC, CABLE, WATER MAINS, SEWER MAINS, STORM MAINS)
- THE CONTRACTOR WILL NOT BE PERMITTED TO REMOVE ANY EXISTING TREES OR FLOWER BEDS LOCATED WITHIN THE CONSTRUCTION ZONE UNLESS WRITTEN AUTHORIZATION IS PRESENTED FROM THE CITY OF SUMMERSIDE.
- ASPHALT CUTTING AND REPLACEMENT FOR INSTALLATION OF CATCHBASINS IS TO BE INCLUDED IN THE PER UNIT COST OF SIZE OF CATCHBASIN IN QUESTION.
- ALL LANDSCAPING LIMITS ARE TO BE A MINIMUM OF THE PROPERTY THE CONTRACTOR WILL BE REQUIRED TO EXTEND SLOPES AS LINE NECESSARY TO ENSURE POSITIVE DRAINAGE.
- ALL EXISTING CATCHBASINS (FRAME AND COVER) TO BE DELIVERED TO CITY OF SUMMERSIDE MUNICIPAL WORKS - 95 OTTAWA STREET.
- FOLLOWING PLACEMENT OF CATCHBASINS LOCATED IN GRASSED AREAS, SUPPLY AND PLACE STRAW BALES TO FORM A PERIMETER AROUND CATCHBASINS UNTIL GRASS IS PRESENT. INCLUDE ALL COSTS IN UNIT BID PRICE FOR EACH CATCHBASIN.
- FOLLOWING PLACEMENT OF ASPHALTIC CONCRETE SEAL "B" MIX ALL CATCHBASINS ARE TO BE MARKED WITH A 100mm WIDE BY 1000mm LONG BLUE LINE PAINTED ON THE STREET MARKING ALL CATCHBASIN LOCATIONS.

LEGEND

UTILITY POLE	.....	●	UP
POWER POLE	.....	●	PP
TELEPHONE POLE	.....	●	TP
GUY WIRE	.....	—	GW
FENCE LINE	.....	—	F.L.
TREE LINE	.....	—	T.L.
TREES	.....	⊗	T
P.E.I. CONTROL MONUMENT	.....	⊗	P.E.I.C.M.
WATER MAIN	.....	—	W.M.
SEWER MAIN	.....	—	S.M.
SEWER FORCEMAIN	.....	—	S.F.M.
EXISTING DITCH	.....	—	E.D.
EXISTING SHOULDER	.....	—	E.S.
EDGE OF ASPHALT	.....	—	E.A.
BURIED TELEPHONE CABLE	.....	—	B.T.C.
BURIED ELECTRICAL CABLE	.....	—	B.E.C.
HYDRANT	.....	F.H.	⊗
MANHOLE	.....	M.H.	⊗
CATCHBASIN	.....	C.B.	⊗
VALVE	.....	V.	⊗
CULVERT	.....	C.V.	⊗
CONCRETE CURB	.....	—	C.C.
CENTERLINE STA.	.....	—	C.S.
SLOPE LINES	.....	—	S.L.
STORM LINE	.....	—	S.L.
DESIGN WATER MAIN	.....	—	D.W.M.
DESIGN WATER VALVE	.....	W.V.	⊗
DESIGN STORM MAIN	.....	—	D.S.M.
DESIGN CATCHBASIN	.....	C.B.	⊗
DESIGN CURB/SIDEWALK	.....	—	D.C.S.
DESIGN SEWER MAIN	.....	—	D.S.M.
DESIGN MANHOLE	.....	M.H.	⊗

revisions	description	date
project		
STORM WATER REHABILITATION NORTH AND SOUTH DRIVE		
drawing		
NORTH AND SOUTH DRIVE STORM SEWER PLAN AND PROFILE		
CITY OF SUMMERSIDE		
275 FITZROY STREET SUMMERSIDE, PE C1N 1H9		
drawn	J.E.C.	date
scale	AS NOTED	MARCH 2, 2016
approved	G. McINNIS	
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dwg no.	3 of 14	



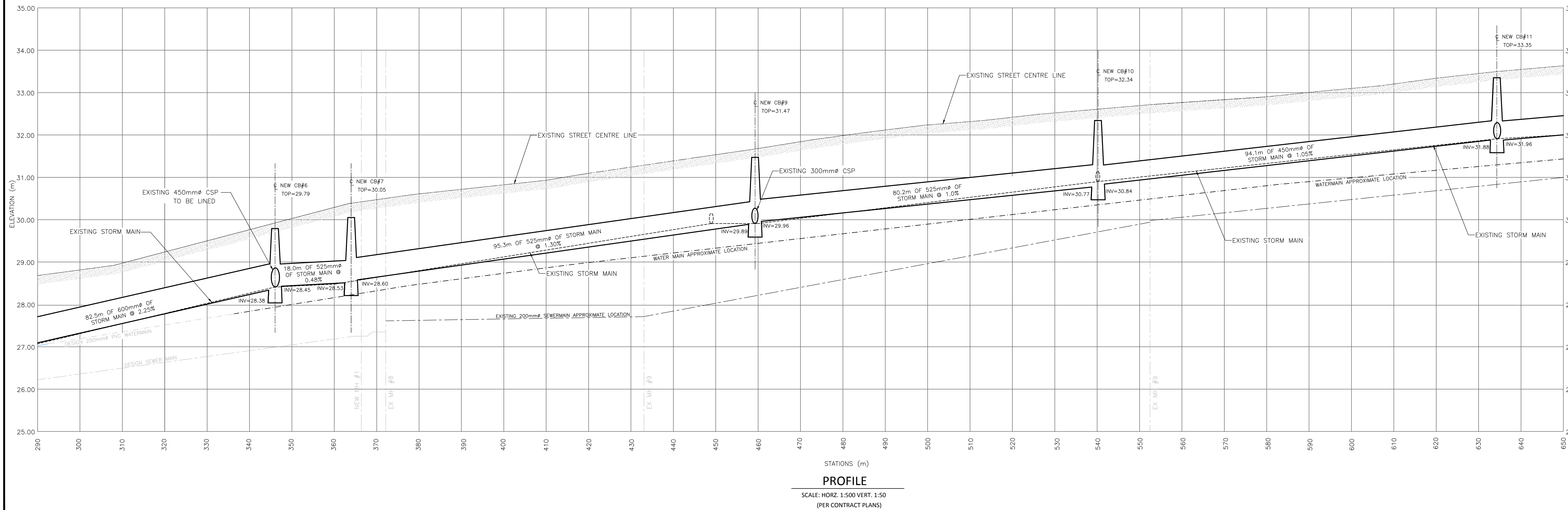
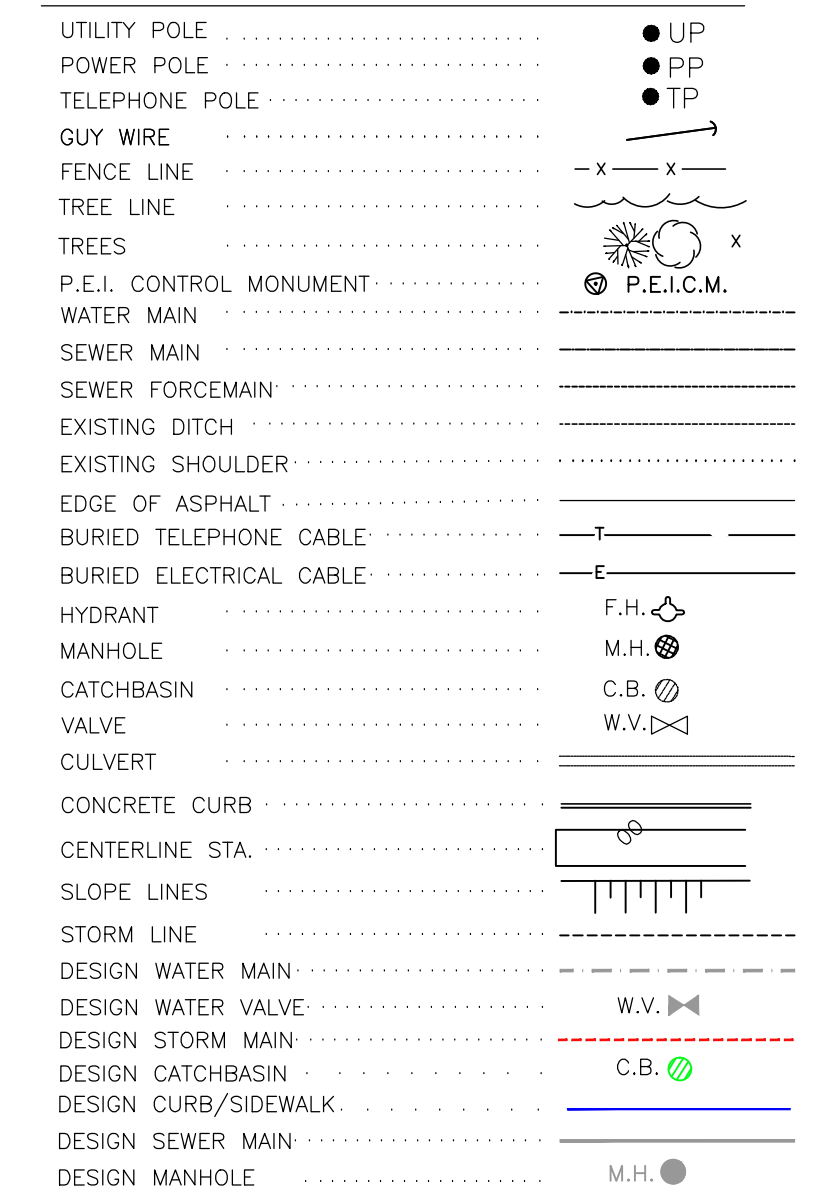


PLAN
SCALE: 1:500

EXISTING MANHOLE SCHEDULE				
MANHOLE	ELEVATIONS			
MH 7	TOP=30.07	N INV=27.24	S INV=27.27	W INV=27.23
MH 8	TOP=30.22	N INV=27.34	S INV=27.37	W INV=27.37
MH 9	TOP=31.18	N INV=27.71	S INV=27.64	W INV=27.79
MH 10	TOP=32.65	N INV=29.94	S INV=29.98	

CATCH BASIN	ELEVATIONS				TYPE	DIAMETER	NOTE
	TOP	N INV	S INV	W INV			
CB 6	29.79	28.38	28.45	28.45	B	1050	REPLACEMENT
CB 6A	30.00	28.48	28.48	28.48	B	1050	REPLACEMENT
CB 6B	29.99	28.81	28.81	28.81	B	1050	REPLACEMENT
EX CB 6C	29.98						EXISTING
EX CB 6D	30.09						EXISTING
EX CB 6E	29.95						EXISTING
CB 6F	29.90				A	750	NEW
CB 6G	29.95						NEW
CB 7	30.05	28.53	28.90		B	1050	NEW
CB 7A	30.05						EXISTING
CB 8	31.37	29.91					EXISTING
CB 8A	31.32	30.32					EXISTING
CB 9	31.47	29.89	29.96	29.96	B	1050	REPLACEMENT
CB 9A	31.47				A	750	NEW
CB 10	32.34	30.77	30.84	30.84	B	1050	REPLACEMENT
CB 10A	32.40				A	750	REPLACEMENT
CB 11	33.35	31.88	31.96	31.96	B	1050	REPLACEMENT
CB 11A	33.32				A	750	REPLACEMENT

LEGEND



PROFILE
SCALE: HORZ. 1:500 VERT. 1:50
(PER CONTRACT PLANS)

revisions	description	date

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
STORM SEWER
PLAN AND PROFILE**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

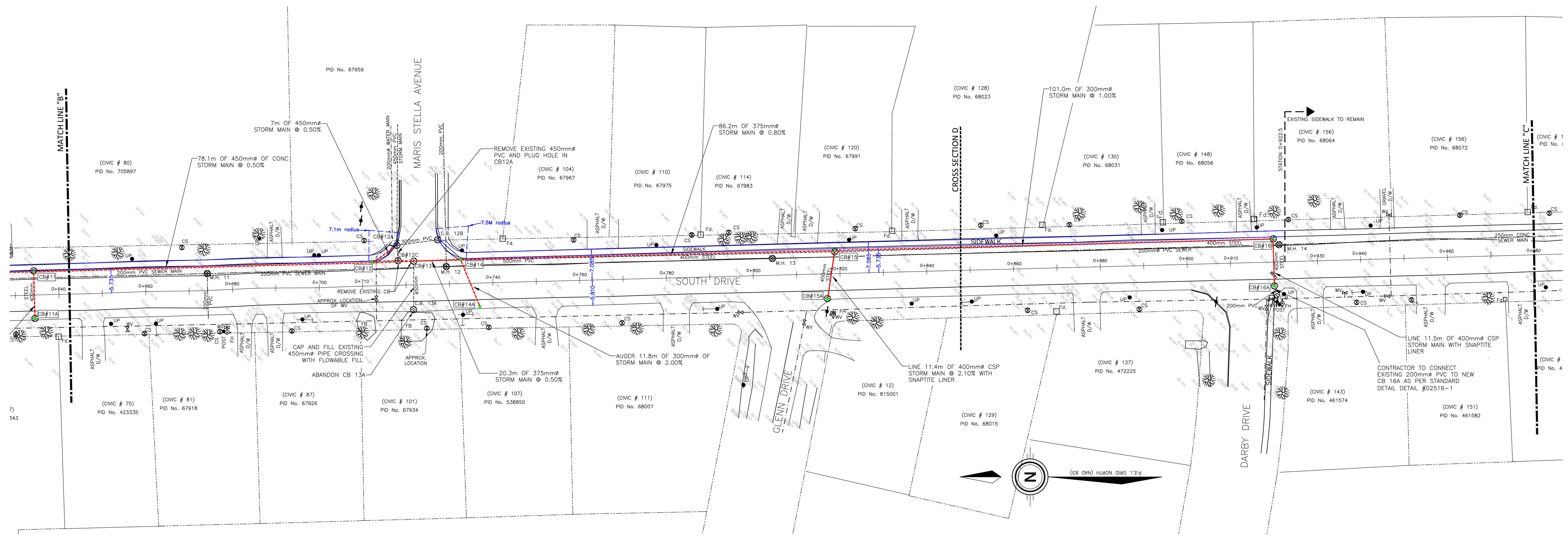
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scale AS NOTED

approved G. McINNIS

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dwg no. 4 of 14

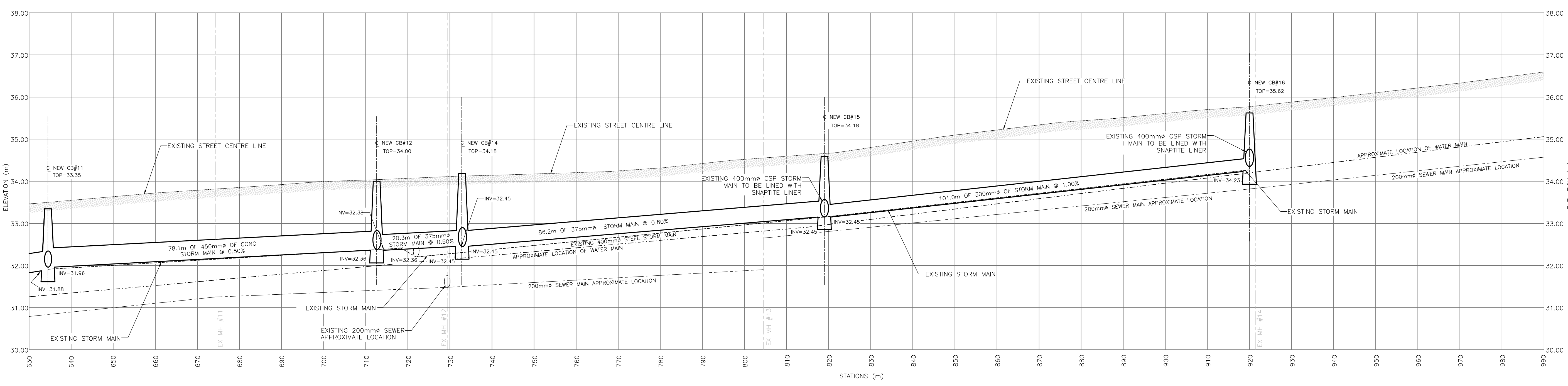


PLAN
SCALE: 1:500

CATCHBASIN SCHEDULE							
CATCH BASIN	ELEVATIONS				TYPE	DIAMETER	NOTE
CB 11	TOP=33.35	N INV=31.88	S INV=31.96	W INV=31.96	B	1050	REPLACEMENT
CB 11A	TOP=33.32	E INV=32.16			A	750	REPLACEMENT
CB 12	TOP=34.00	N INV=32.36	SE INV=32.38	S INV=32.36	D	1500	NEW
CB 12A	TOP=33.79	E INV=32.33	S INV=32.39	W INV=32.36			EXISTING
EX CB 12B	TOP=33.67	N INV=32.41					EXISTING
EX CB 12C	TOP=33.91	N INV=32.41	E INV=32.38	S INV=32.41			EXISTING REMOVE WITH STORM MAIN EXCAVATION
EX CB 13	TOP=33.92	N INV=32.29	S INV=N/A	W INV=32.68			EXISTING REMOVE WITH STORM MAIN EXCAVATION
EX CB 13A	TOP=33.87	INV=N/A					EXISTING ABANDON
CB 14	TOP=34.18	N INV=32.45	S INV=32.45	W INV=32.45	B	1050	NEW
CB 14A	TOP=34.00	E INV=32.67			A	750	NEW
CB 15	TOP=34.18	N INV=33.15	S INV=33.15	W INV=33.23	B	1050	REPLACEMENT
CB 15A	TOP=34.00	E INV=33.44			A	750	REPLACEMENT
CB 16	TOP=35.62	N INV=34.23	W INV=34.35		B	1050	REPLACEMENT
CB 16A	TOP=35.62	E INV=34.47			A	750	REPLACEMENT

EXISTING MANHOLE SCHEDULE				
MANHOLE	ELEVATIONS			
MH 11	TOP=33.71	N INV=31.25	S INV=31.25	W INV=31.26
MH 12	TOP=33.99	N INV=32.41	E INV=31.57	S INV=31.48
MH 13	TOP=34.50	N INV=31.90		S INV=32.65
MH 14	TOP=35.76	N INV=33.84		S INV=33.83
MH 15	TOP=36.79	N INV=34.64		S INV=34.74

LEGEND	
UTILITY POLE	● UP
POWER POLE	● PP
TELEPHONE POLE	● TP
GUY WIRE	—X—X—
FENCE LINE	—X—X—
TREE LINE	—X—X—
TREES	⊗
P.E.I. CONTROL MONUMENT	⊗ P.E.I.C.M.
WATER MAIN	—W.V.—
SEWER MAIN	—S.—
SEWER FORCEMAIN	—S.F.—
EXISTING DITCH	—D.—
EXISTING SHOULDER	—S.—
EDGE OF ASPHALT	—E.—
BURIED TELEPHONE CABLE	—T.—
BURIED ELECTRICAL CABLE	—E.—
HYDRANT	F.H. ⬢
MANHOLE	M.H. ⊙
CATCHBASIN	C.B. ⊙
VALVE	W.V. ⊙
CULVERT	—C.—
CONCRETE CURB	—C.—
CENTERLINE STA.	—C.S.—
SLOPE LINES	—S.—
STORM LINE	—S.—
DESIGN WATER MAIN	—W.V.—
DESIGN WATER VALVE	—W.V.—
DESIGN STORM MAIN	—S.—
DESIGN CATCHBASIN	C.B. ⊙
DESIGN CURB/SIDEWALK	—C.—
DESIGN SEWER MAIN	—S.—
DESIGN MANHOLE	M.H. ⊙



PROFILE
SCALE: HORZ 1:500 VERT. 1:50
(PER CONTRACT PLANS)

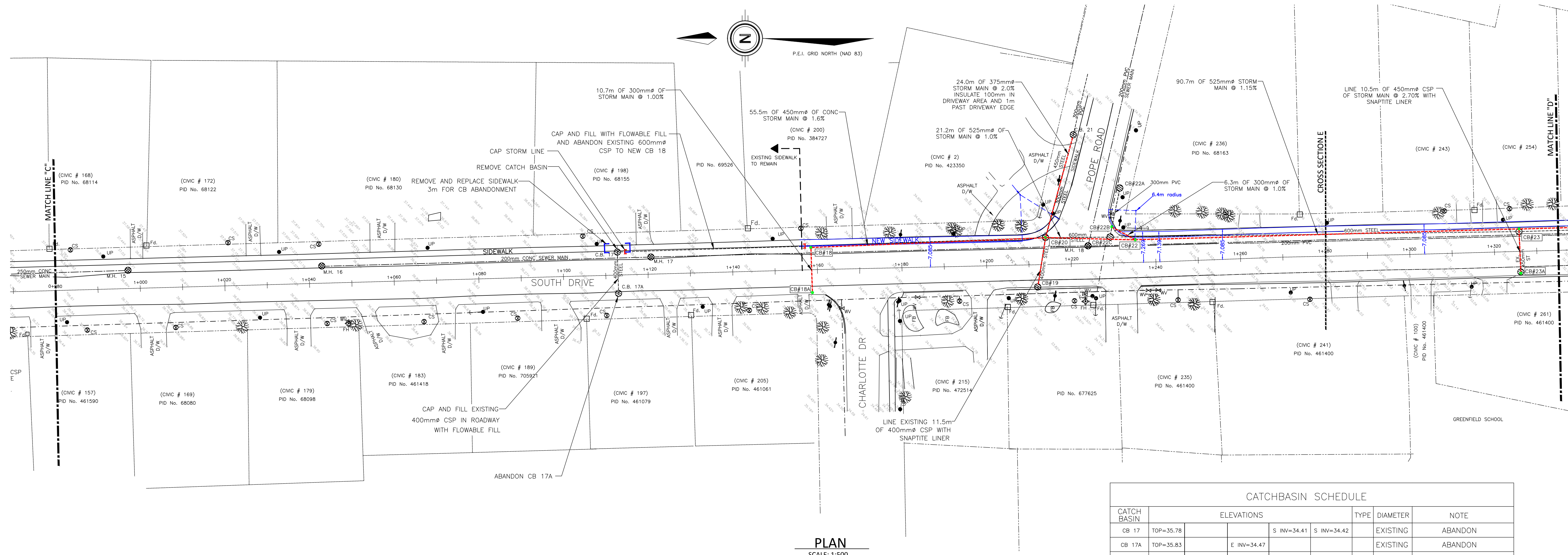
revisions	description	date

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
STORM SEWER
PLAN AND PROFILE**

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275 FITZROY STREET
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approved	G. McINNIS		
project no.	2015-SCF-027		
dwg no.	5 of 14		



EXISTING MANHOLE SCHEDULE

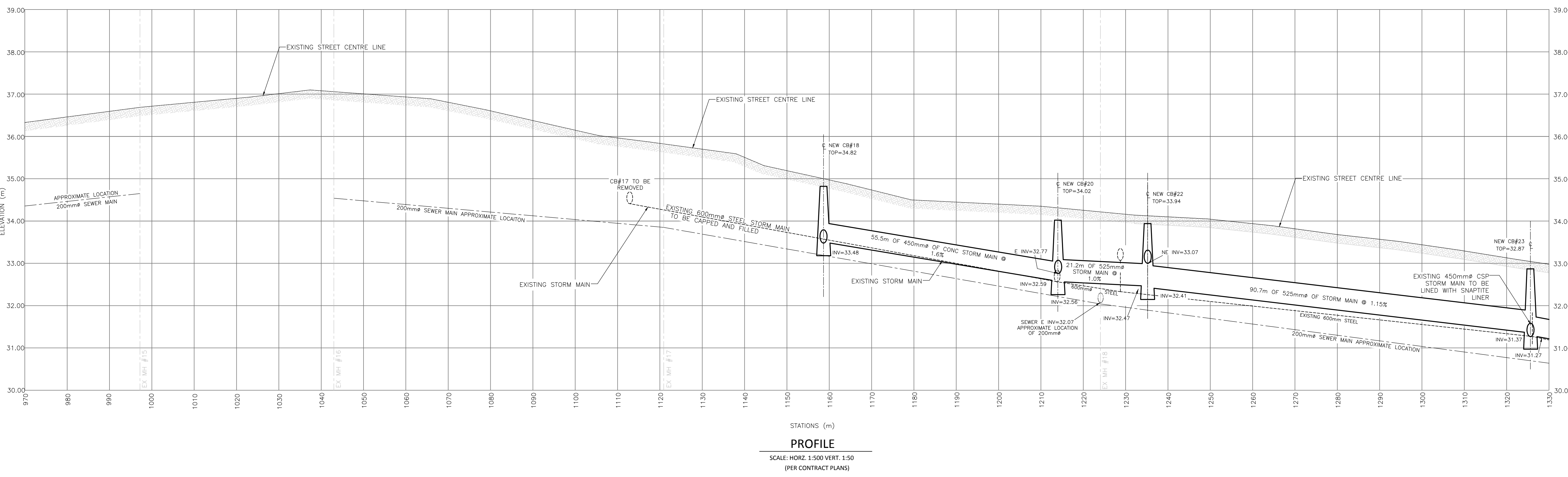
MANHOLE	ELEVATIONS			
MH 15	TOP=36.79	N INV=34.64		S INV=34.74
MH 16	TOP=37.09			S INV=34.54
MH 17	TOP=35.72	N INV=33.82		S INV=33.85
MH 18	TOP=34.14	N INV=32.04	E INV=32.07	S INV=32.04
MH 19	TOP=32.49	N INV=30.29		S INV=30.29

CATCHBASIN SCHEDULE

CATCH BASIN	ELEVATIONS				TYPE	DIAMETER	NOTE	
	TOP	N INV	S INV	W INV				
CB 17	TOP=35.78		S INV=34.41	S INV=34.42	EXISTING		ABANDON	
CB 17A	TOP=35.83		E INV=34.47		EXISTING		ABANDON	
CB 18	TOP=34.82		S INV=33.48	W INV=33.48	B	1050	NEW	
CB 18A	TOP=34.84		E INV=33.58		A	750	NEW	
EX CB 19	TOP=34.22	N INV=32.78		W INV=32.78	EXISTING		EXISTING	
CB 20	TOP=34.02	N INV=32.59	E INV=32.77	S INV=32.56	W INV=32.68	C	1200	REPLACEMENT
EX CB 21	TOP=34.20		E INV=33.40		W INV=33.25	EXISTING		EXISTING
CB 22	TOP=32.47	N INV=32.47	NE INV=33.07	S INV=32.41	C	1200	NEW	
EX CB 22A	TOP=34.17			W INV=33.44	EXISTING		EXISTING	
CB 22B	TOP=33.93			W INV=33.13	A	750	NEW	
CB 22C	TOP=34.17				EXISTING		REMOVE WITH STORM MAIN EXCAVATION	
CB 23	TOP=32.87	N INV=31.37	S INV=31.27	W INV=31.27	C	1200	REPLACEMENT	
CB 23A	TOP=34.17		E INV=33.44		A	750	REPLACEMENT	

LEGEND

- UTILITY POLE
- POWER POLE
- TELEPHONE POLE
- GUY WIRE
- FENCE LINE
- TREE LINE
- TREES
- P.E.I. CONTROL MONUMENT
- SEWER MAIN
- SEWER FORCEMAIN
- EXISTING DITCH
- EXISTING SHOULDER
- EDGE OF ASPHALT
- BURIED TELEPHONE CABLE
- BURIED ELECTRICAL CABLE
- HYDRANT
- MANHOLE
- CATCHBASIN
- VALVE
- CULVERT
- CONCRETE CURB
- CENTERLINE STA.
- SLOPE LINES
- STORM LINE
- DESIGN WATER MAIN
- DESIGN WATER VALVE
- DESIGN STORM MAIN
- DESIGN CATCHBASIN
- DESIGN CURB/SIDEWALK
- DESIGN SEWER MAIN
- DESIGN MANHOLE



revisions	description	date

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
STORM SEWER
PLAN AND PROFILE**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

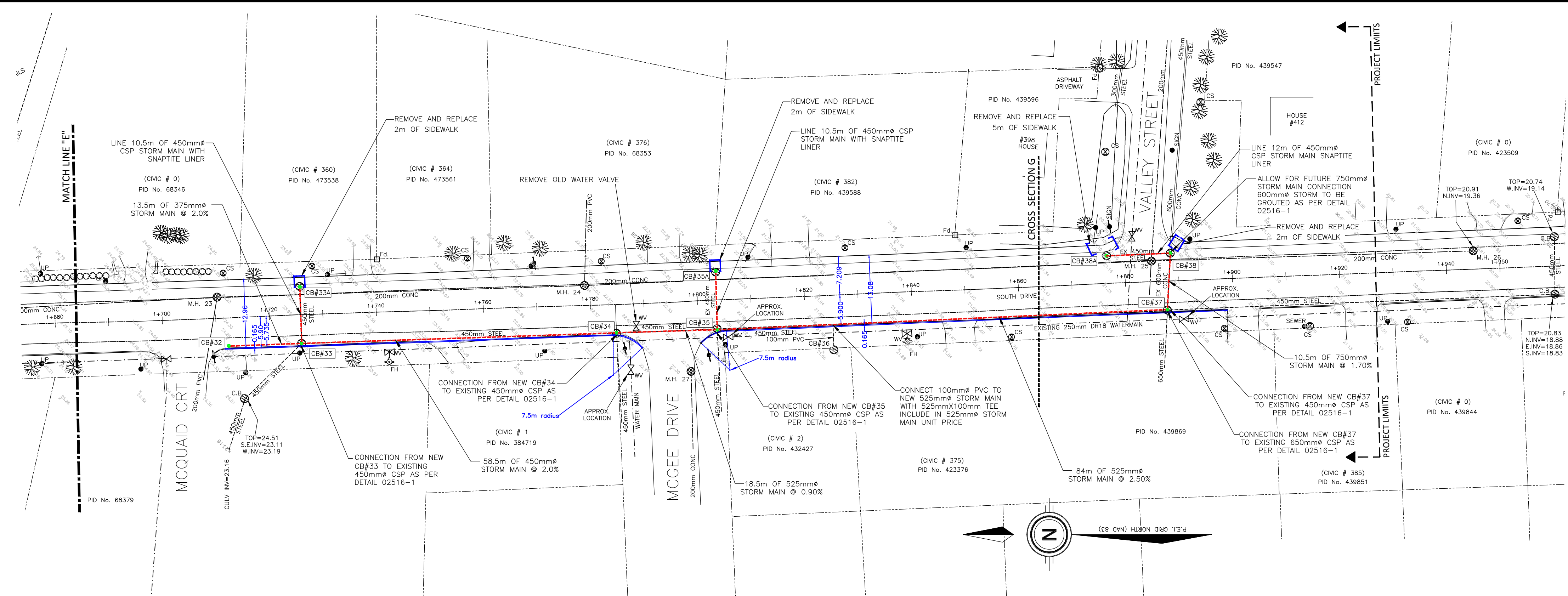
drawn J.E.C. date MARCH 2, 2016

scale AS NOTED

approved G. McINNIS

project no. 2015-SCF-027

dwg no. 6 of 14



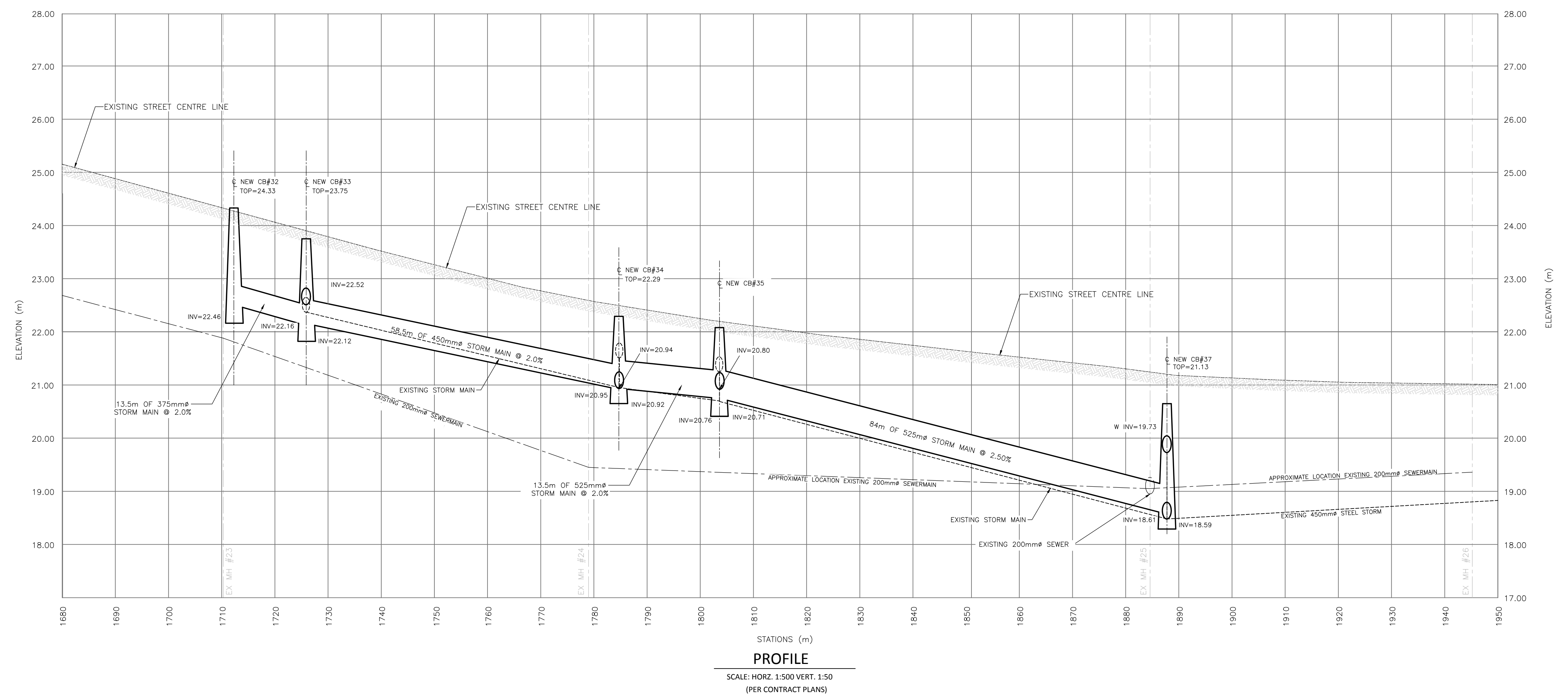
PLAN
SCALE: 1:500

EXISTING MANHOLE SCHEDULE

MANHOLE	ELEVATIONS			
MH 23	TOP=24.23	N INV=21.88	S INV=21.88	S INV=22.23
MH 24	TOP=22.54	N INV=20.45	E INV=20.62	S INV=20.45
MH 25	TOP=21.10	N INV=19.02	E INV=18.95	S INV=19.05
MH 26	TOP=20.91	N INV=19.36		
MH 27	TOP=22.21			W INV=20.28

CATCHBASIN SCHEDULE

CATCH BASIN	ELEVATIONS				TYPE	DIAMETER	NOTE	
CB 32	TOP=24.33			S INV=22.46	C	1200		
CB 33	TOP=23.75	N INV=22.16	E INV=22.12	S INV=22.38	B	1050	REPLACEMENT	
CB 33A	TOP=23.68			E INV=22.48	B	1050	REPLACEMENT	
CB 34	TOP=22.29	N INV=20.95	S INV=20.92	W INV=20.94	C	1200	REPLACEMENT	
CB 35	TOP=22.08	N INV=20.76	E INV=20.80	S INV=20.71	W INV=20.80	C	1200	REPLACEMENT
CB 35A	TOP=21.99			W INV=20.84	B	1050	REPLACEMENT	
EX CB 36	TOP=21.54			E INV=20.34			EXISTING	
CB 37	TOP=21.13	N INV=18.61	E INV=18.48	S INV=18.59	W INV=19.73	D	1500	REPLACEMENT
CB 38	TOP=20.90	N INV=19.38	E INV=18.30	W INV=18.31	D	1500	REPLACEMENT	
CB 38A	TOP=21.08			S INV=19.92	B	1050	REPLACEMENT	



PROFILE
SCALE: HORZ. 1:500 VERT. 1:50
(PER CONTRACT PLANS)

NOTES

LEGEND

- UTILITY POLE
- POWER POLE
- TELEPHONE POLE
- GUY WIRE
- FENCE LINE
- TREE LINE
- TREES
- P.E.I. CONTROL MONUMENT
- WATER MAIN
- SEWER MAIN
- SEWER FORCEMAIN
- EXISTING DITCH
- EXISTING SHOULDER
- EDGE OF ASPHALT
- BURIED TELEPHONE CABLE
- BURIED ELECTRICAL CABLE
- HYDRANT
- MANHOLE
- CATCHBASIN
- VALVE
- CULVERT
- CONCRETE CURB
- CENTERLINE STA.
- SLOPE LINES
- STORM LINE
- DESIGN WATER MAIN
- DESIGN WATER VALVE
- DESIGN STORM MAIN
- DESIGN STORM MAIN
- DESIGN CATCHBASIN
- DESIGN CURB/SIDEWALK
- DESIGN SEWER MAIN
- DESIGN MANHOLE

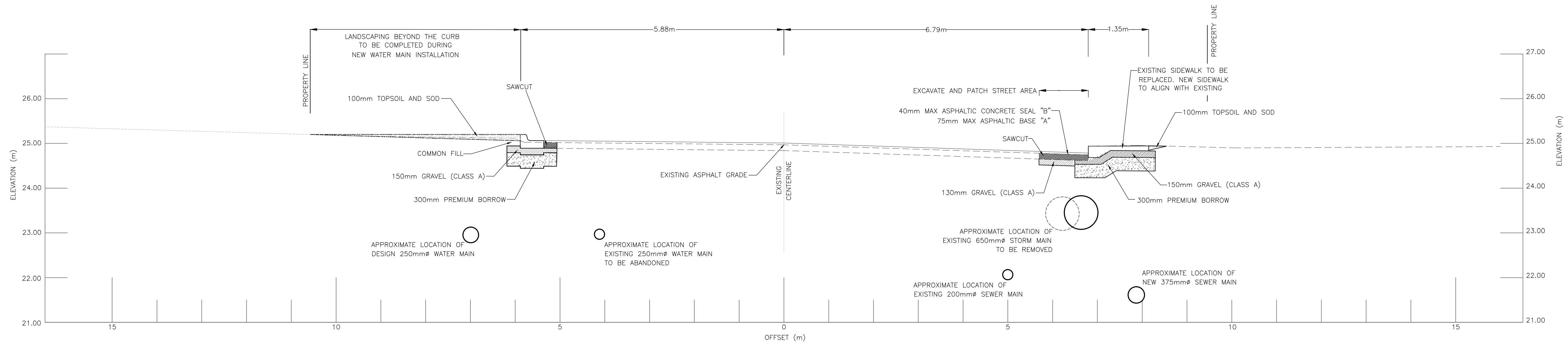
revisions	description	date

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

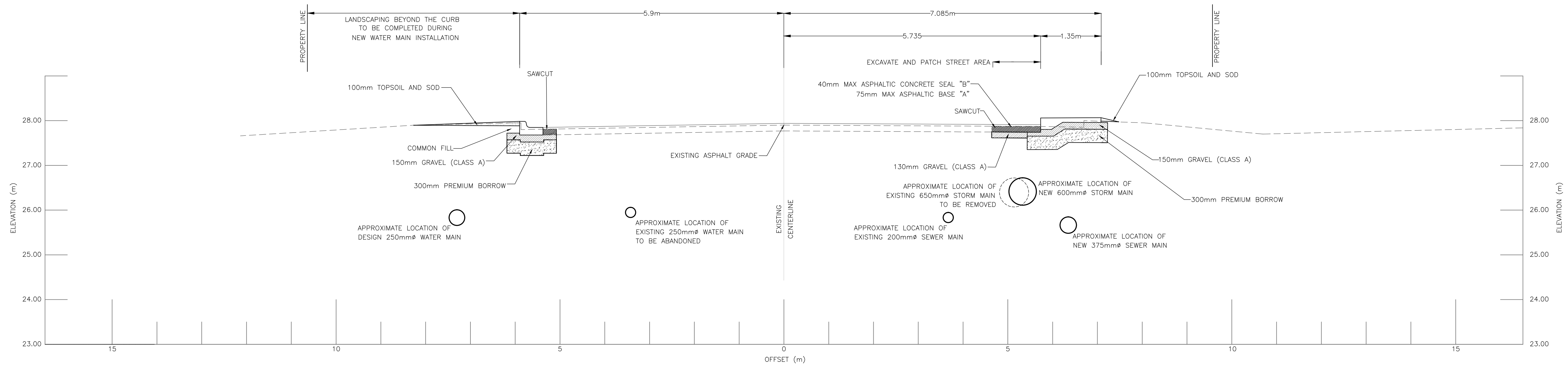
drawing
**SOUTH DRIVE
STORM SEWER
PLAN AND PROFILE**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

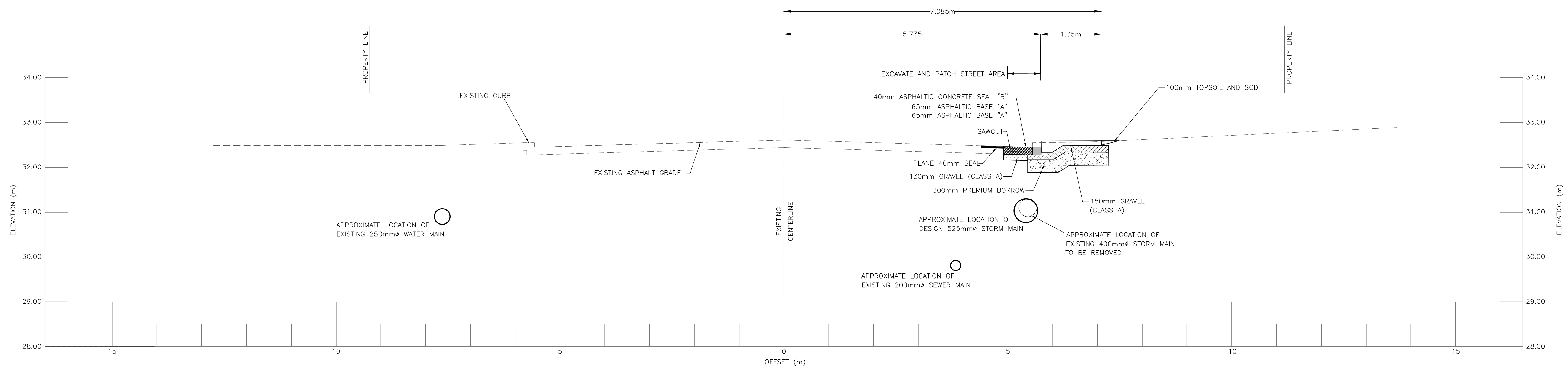
drawn	J.E.C.	date	MARCH 2, 2016
scale	AS NOTED		
approved	G. McINNIS		
project no.	2015-SCF-027		
dwg no.	8 of 14		



CROSS SECTION "A" 0+080 NORTH DRIVE
SCALE: HORZ: 1:50
VERT: 1:50



CROSS SECTION "B" 0+240 -NORTH DRIVE
SCALE: HORZ: 1:50
VERT: 1:50



CROSS SECTION "C" 0+540 -SOUTH DRIVE
SCALE: HORZ: 1:50
VERT: 1:50

NOTES

LEGEND

UTILITY POLE	UP
POWER POLE	PP
TELEPHONE POLE	TP
GUY WIRE	
FENCE LINE	X-X
TREE LINE	X
TREES	X
P.E.I. CONTROL MONUMENT	P.E.I.C.M.
WATER MAIN	
SEWER MAIN	
SEWER FORCEMAIN	
EXISTING DITCH	
EXISTING SHOULDER	
EDGE OF ASPHALT	
BURIED TELEPHONE CABLE	
BURIED ELECTRICAL CABLE	
HYDRANT	F.H.
MANHOLE	M.H.
CATCHBASIN	C.B.
VALVE	W.V.
CULVERT	
CONCRETE CURB	
CENTERLINE STA.	
SLOPE LINES	
STORM LINE	
DESIGN WATER MAIN	
DESIGN WATER VALVE	W.V.
DESIGN STORM MAIN	
DESIGN CATCHBASIN	C.B.
DESIGN CURB/SIDEWALK	
DESIGN SEWER MAIN	
DESIGN MANHOLE	M.H.

revisions	description	date
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project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**NORTH AND SOUTH DRIVE
STORM SEWER
CROSS SECTIONS**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

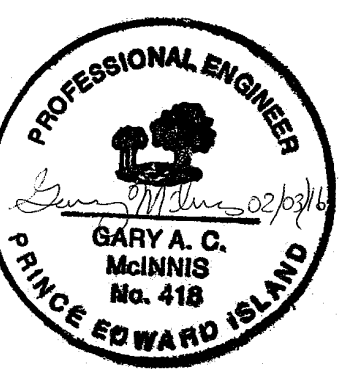
drawn J.E.C. date MARCH 2, 2016

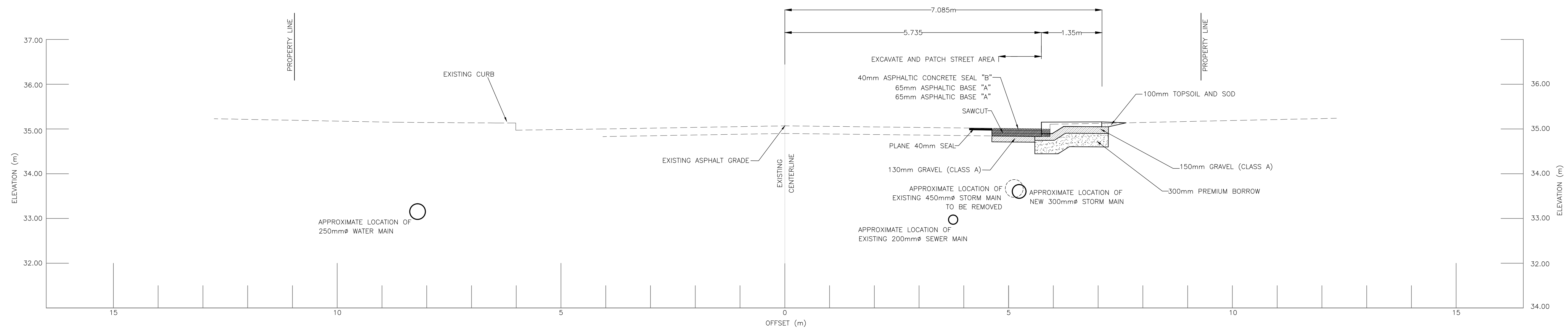
scale AS NOTED

approved G. McINNIS

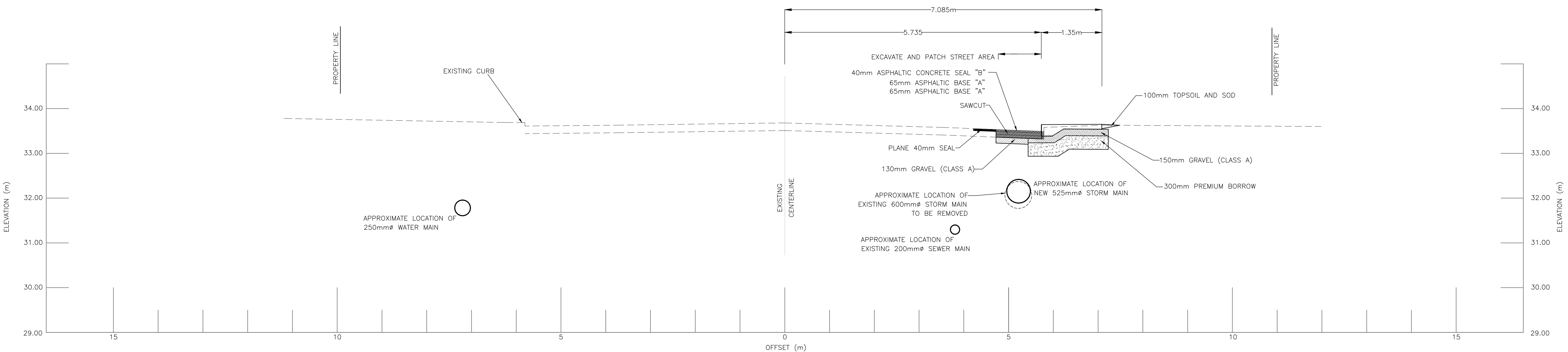
project no. 2015-SCF-027

dwg no. 9 of 14

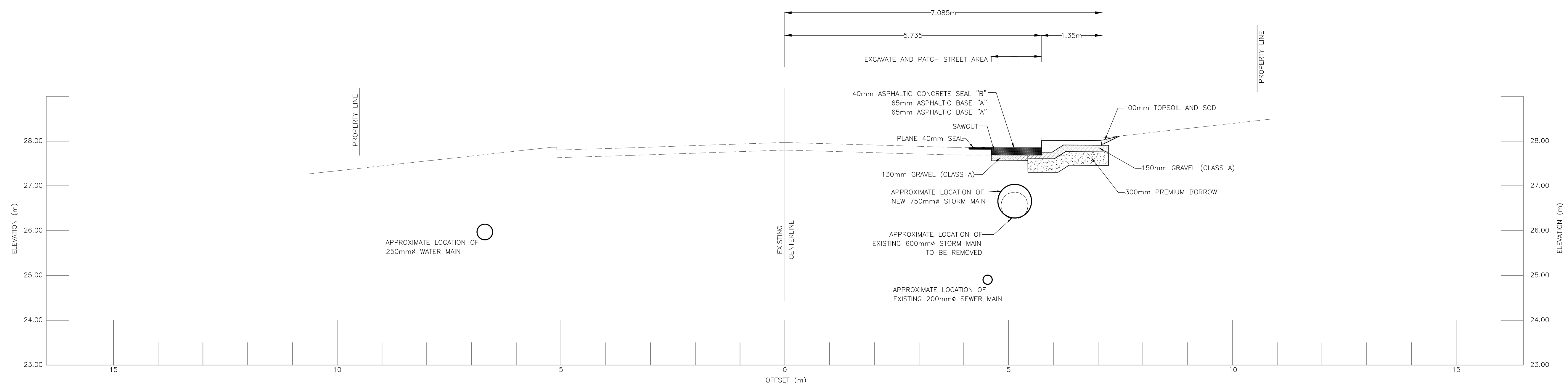




CROSS SECTION "D" 0+848 SOUTH DRIVE
SCALE: HORZ. 1:50
VERT. 1:50



CROSS SECTION "E" 1+280 - SOUTH DRIVE
SCALE: HORZ. 1:50
VERT. 1:50



CROSS SECTION "F" 1+555 - SOUTH DRIVE
SCALE: HORZ. 1:50
VERT. 1:50

NOTES

LEGEND

UTILITY POLE	● UP
POWER POLE	● PP
TELEPHONE POLE	● TP
GUY WIRE	— x —
FENCE LINE	— x — x —
TREE LINE	— x — x — x —
TREES	⊗
P.E.I. CONTROL MONUMENT	⊗ P.E.I.C.M.
WATER MAIN	—
SEWER MAIN	—
SEWER FORCEMAIN	—
EXISTING DITCH	—
EXISTING SHOULDER	—
EDGE OF ASPHALT	—
BURIED TELEPHONE CABLE	—
BURIED ELECTRICAL CABLE	—
HYDRANT	F.H.
MANHOLE	M.H.
CATCHBASIN	C.B.
VALVE	W.V.
CULVERT	—
CONCRETE CURB	—
CENTERLINE STA.	—
SLOPE LINES	—
STORM LINE	—
DESIGN WATER MAIN	—
DESIGN WATER VALVE	W.V.
DESIGN STORM MAIN	—
DESIGN CATCHBASIN	C.B.
DESIGN CURB/SIDEWALK	—
DESIGN SEWER MAIN	—
DESIGN MANHOLE	M.H.

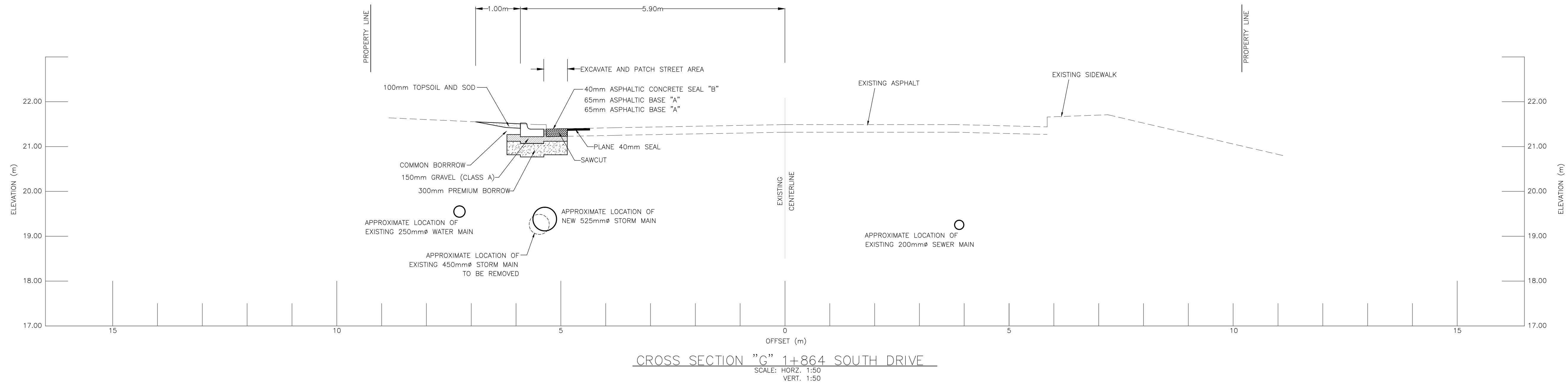
revisions	description	date

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
STORM SEWER
CROSS SECTIONS**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

drawn	J.E.C.	date	MARCH 2, 2016
scale	AS NOTED		
approved	G. McINNIS		
project no.	2015-SCF-027		
dwg no.	10 of 14		



NOTES

LEGEND

UTILITY POLE	.....	● UP
POWER POLE	.....	● PP
TELEPHONE POLE	.....	● TP
GUY WIRE	.....	— x —
FENCE LINE	.....	— x —
TREE LINE	.....	— x —
TREES	.....	⊗
P.E.I. CONTROL MONUMENT	.....	⊗ P.E.I.C.M.
WATER MAIN	.....	.....
SEWER MAIN	.....	.....
SEWER FORCEMAIN	.....	.....
EXISTING DITCH	.....	.....
EXISTING SHOULDER	.....	.....
EDGE OF ASPHALT	.....	.....
BURIED TELEPHONE CABLE	.....	.....
BURIED ELECTRICAL CABLE	.....	.....
HYDRANT	.....	F.H. ⚡
MANHOLE	.....	M.H. ⊗
CATCHBASIN	.....	C.B. ⊗
VALVE	.....	W.V. ▷
CULVERT	.....	.....
CONCRETE CURB	.....	.....
CENTERLINE STA.	.....	.....
SLOPE LINES	.....	.....
STORM LINE	.....	.....
DESIGN WATER MAIN	.....	.....
DESIGN WATER VALVE	.....	W.V. ▷
DESIGN STORM MAIN	.....	.....
DESIGN CATCHBASIN	.....	C.B. ⊗
DESIGN CURB/SIDEWALK
DESIGN SEWER MAIN
DESIGN MANHOLE	M.H. ●

revisions	description	date
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project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
STORM SEWER
CROSS SECTIONS**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

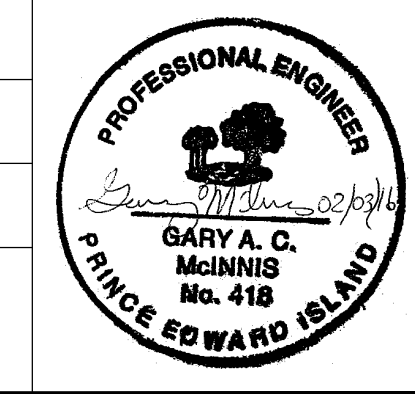
drawn	J.E.C.	date	MARCH 2, 2016
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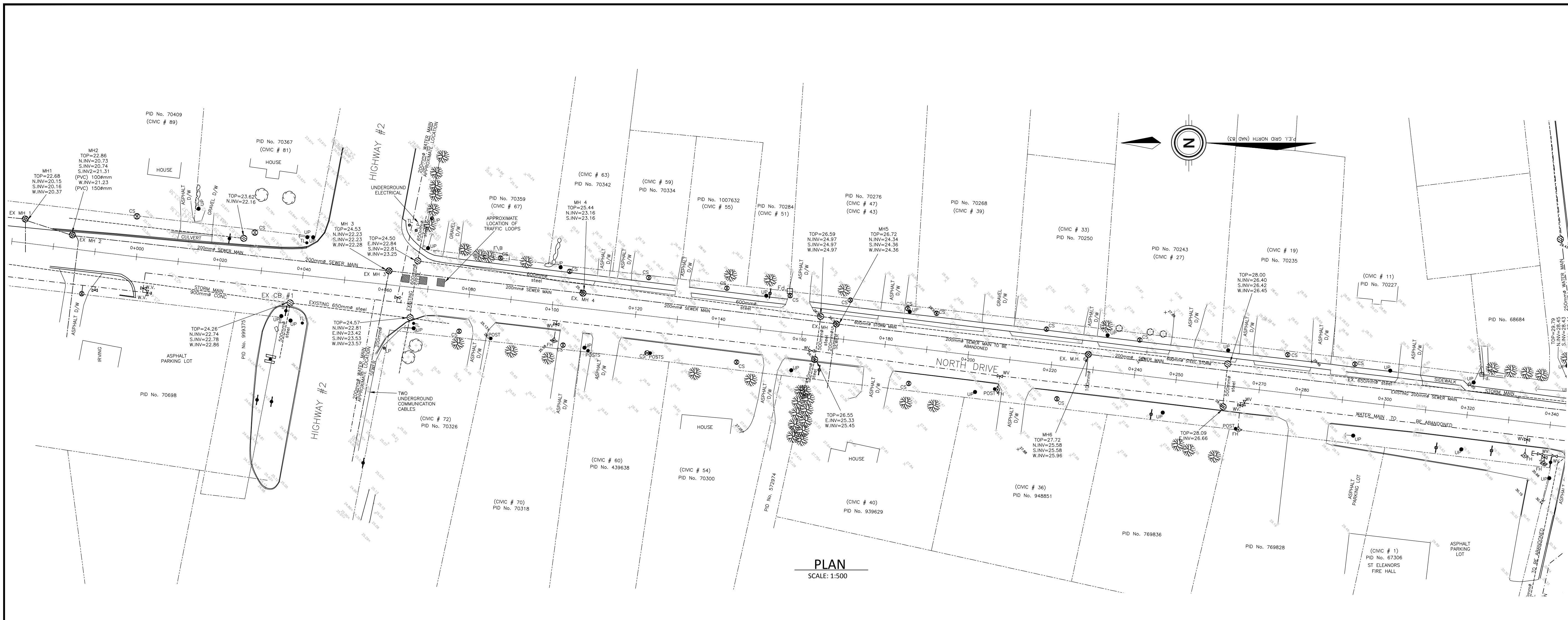
scale	AS NOTED
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approved	G. McINNIS
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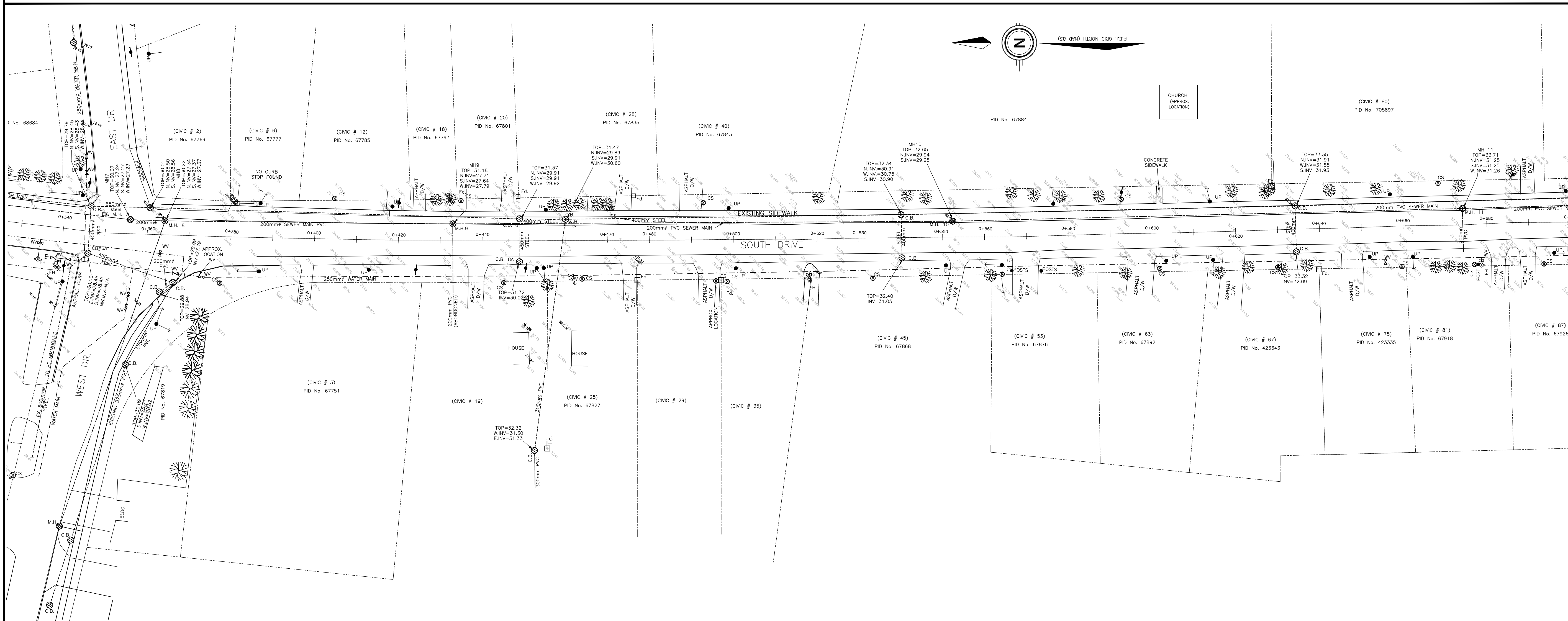
project no.	2015-SCF-027
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dwg no.	11 of 14
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PLAN
SCALE: 1:500



NOTES
1. THE EXISTING INFORMATION GIVEN ON THE DRAWINGS IS TO BE CONSIDERED APPROXIMATE ONLY AND IS NOT TO BE CONSTRUED AS TOTALLY COMPLETE.

LEGEND

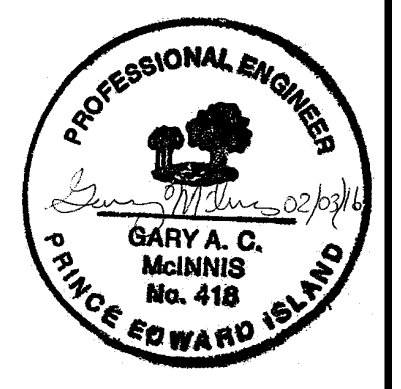
UTILITY POLE	UP
POWER POLE	PP
TELEPHONE POLE	TP
GUY WIRE	— X — X —
FENCE LINE	— X — X —
TREE LINE	— X — X —
TREES	(Tree symbol)
P.E.I. CONTROL MONUMENT	(P.E.I.C.M. symbol)
WATER MAIN	— W —
SEWER MAIN	— S —
SEWER FORCEMAIN	— SF —
EXISTING DITCH	— D —
EXISTING SHOULDER	— SH —
EDGE OF ASPHALT	— EA —
BURIED TELEPHONE CABLE	— T —
BURIED ELECTRICAL CABLE	— E —
HYDRANT	F.H.
MANHOLE	M.H.
CATCHBASIN	C.B.
VALVE	W.V.
CULVERT	— C —
CONCRETE CURB	— C —
CENTERLINE STA.	— CL —
SLOPE LINES	— S —
STORM LINE	— SL —

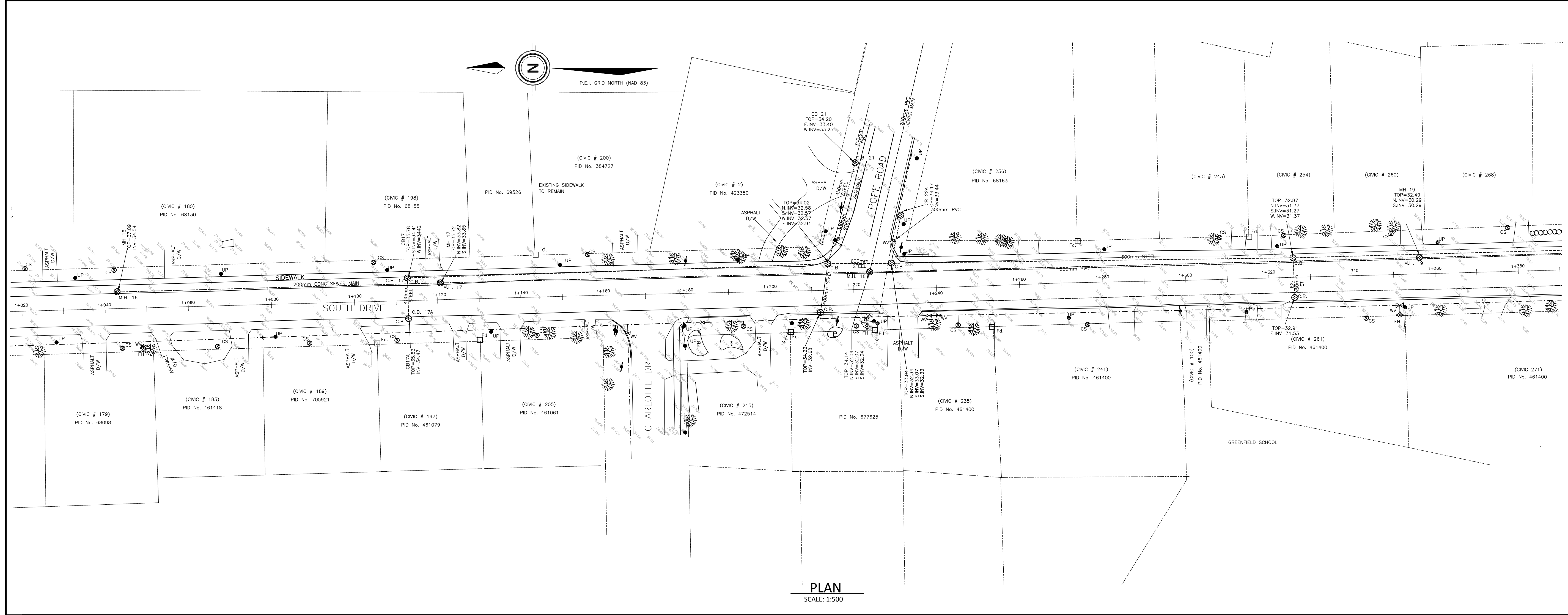
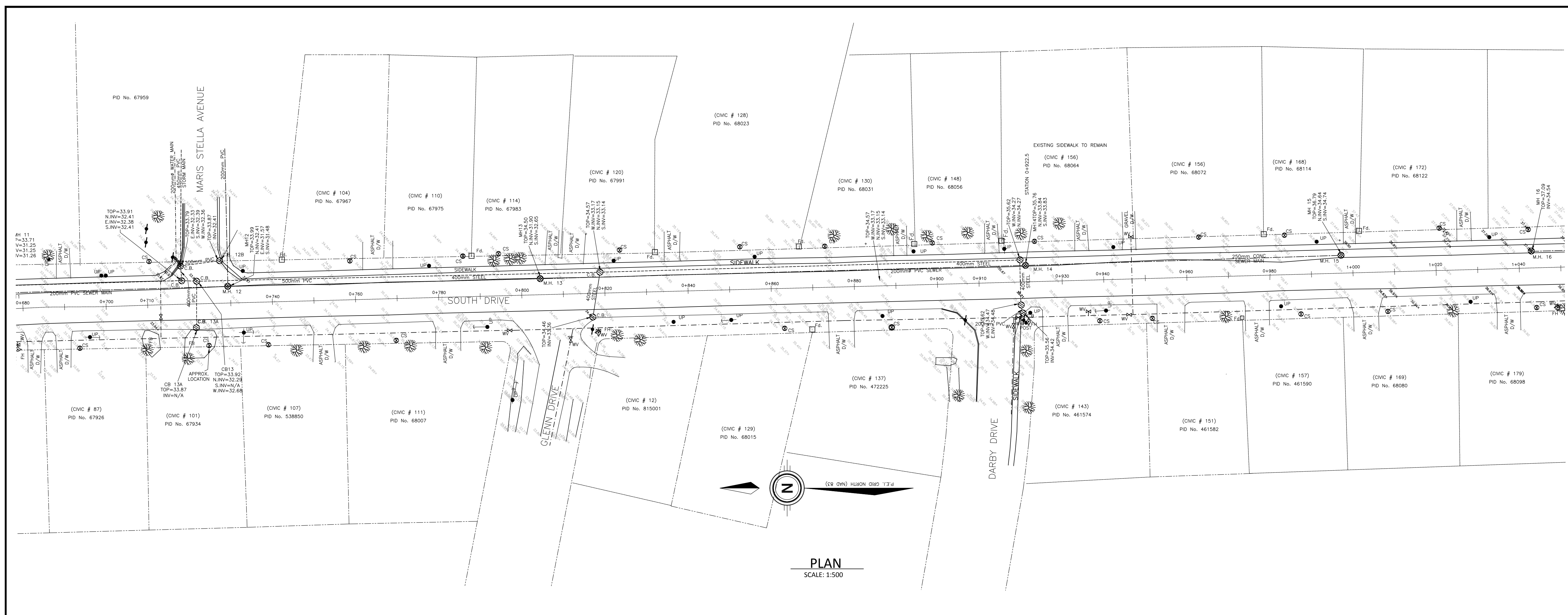
project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
EXISTING CONDITIONS
PLAN**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

drawn	J.E.C.	date	MARCH 2, 2016
scale	AS NOTED		
approved	G. McINNIS		
project no.	2015-SCF-027		
dwg no.	12 of 14		





LEGEND

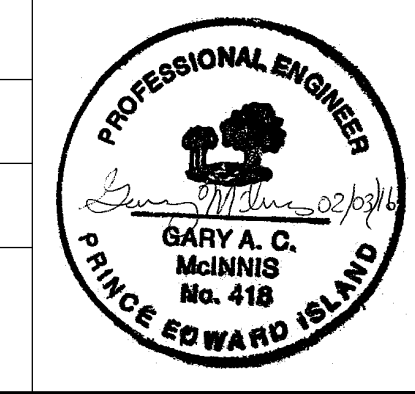
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POWER POLE	PP
TELEPHONE POLE	TP
GUY WIRE	X
FENCE LINE	-X-X-
TREE LINE	~ ~ ~
TREES	(Tree symbol)
P.E.I. CONTROL MONUMENT	(Circle with cross)
WATER MAIN	(Dashed line)
SEWER MAIN	(Dashed line)
SEWER FORCEMAIN	(Dashed line)
EXISTING DITCH	(Dashed line)
EXISTING SHOULDER	(Dashed line)
EDGE OF ASPHALT	(Dashed line)
BURIED TELEPHONE CABLE	(Dashed line)
BURIED ELECTRICAL CABLE	(Dashed line)
HYDRANT	F.H.
MANHOLE	M.H.
CATCHBASIN	C.B.
VALVE	W.V.
CULVERT	(Symbol)
CONCRETE CURB	(Symbol)
CENTERLINE STA.	(Symbol)
SLOPE LINES	(Symbol)
STORM LINE	(Symbol)

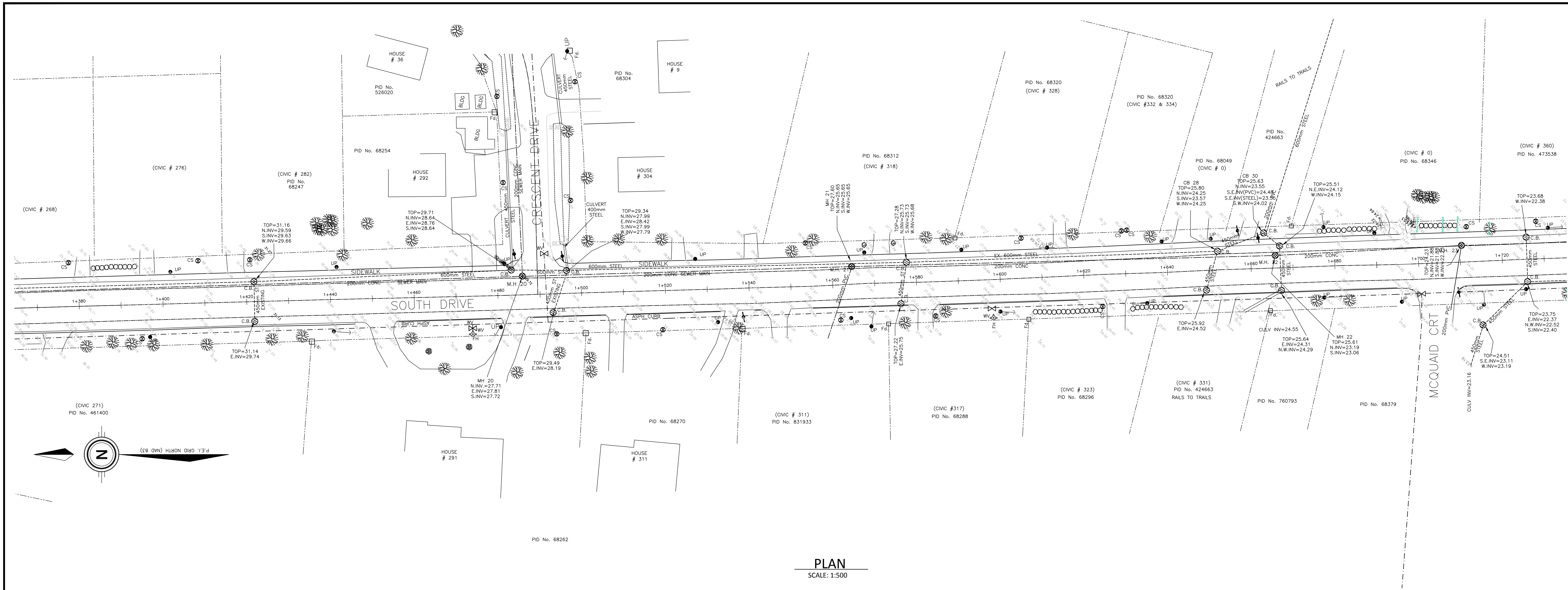
project
**STORM WATER REHABILITATION
 NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
 EXISTING CONDITIONS**

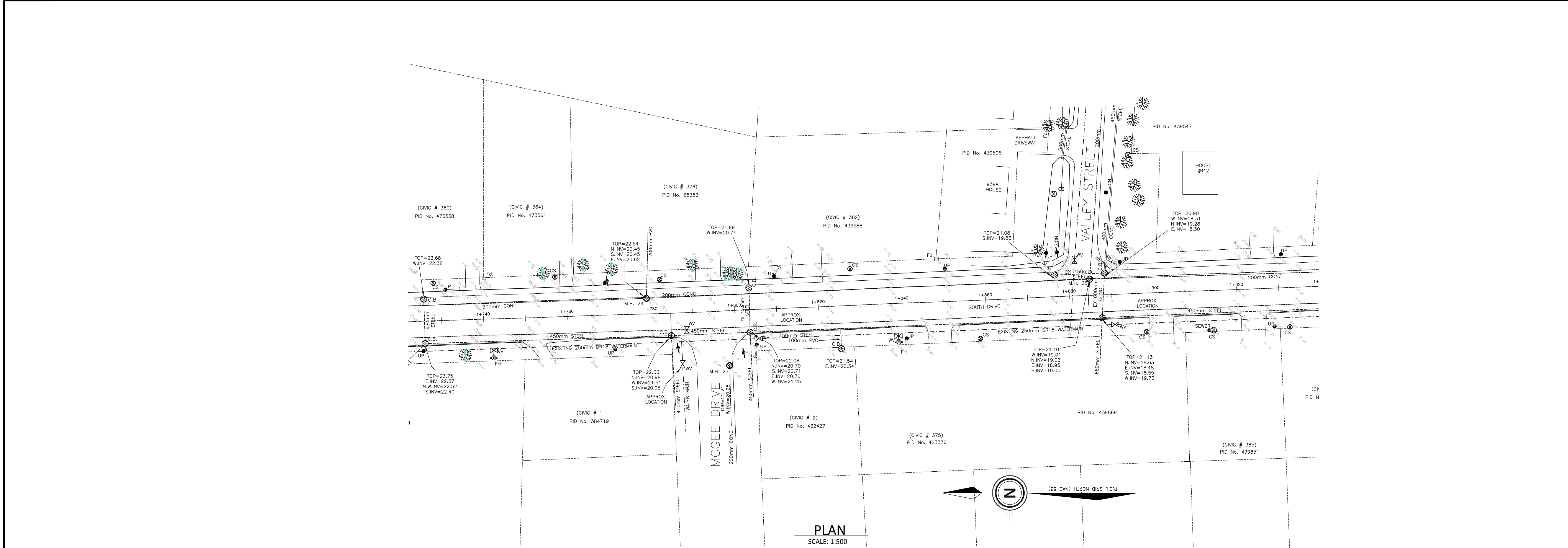
CITY OF SUMMERSIDE
 275 FITZROY STREET
 SUMMERSIDE, PE
 C1N 1H9

drawn	J.E.C.	date	MARCH 2, 2016
scale	AS NOTED		
approved	G. McINNIS		
project no.	2015-SCF-027		
dwg no.	13 of 14		





PLAN
SCALE: 1:500



PLAN
SCALE: 1:500

NOTES

LEGEND

UTILITY POLE	● UP
POWER POLE	● PP
TELEPHONE POLE	● TP
GUY WIRE	— X — X —
FENCE LINE	— X — X —
TREE LINE	— X — X —
TREES	●
P.E.I. CONTROL MONUMENT	⊙ P.E.I.C.M.
WATER MAIN	—
SEWER MAIN	—
SEWER FORCEMAIN	—
EXISTING DITCH	—
EXISTING SHOULDER	—
EDGE OF ASPHALT	—
BURIED TELEPHONE CABLE	—
BURIED ELECTRICAL CABLE	—
HYDRANT	F.H.
MANHOLE	M.H.
CATCHHOLE	C.B.
VALVE	W.V.
CULVERT	—
CONCRETE CURB	—
CENTERLINE STA.	—
SLOPE LINES	—
STORM LINE	—

project
**STORM WATER REHABILITATION
NORTH AND SOUTH DRIVE**

drawing
**SOUTH DRIVE
EXISTING CONDITIONS**

CITY OF SUMMERSIDE
275 FITZROY STREET
SUMMERSIDE, PE
C1N 1H9

drawn J.E.C. date MARCH 2, 2016

scale AS NOTED

approved G. McINNIS

project no. 2015-SCF-027

dwg no. 14 of 14

