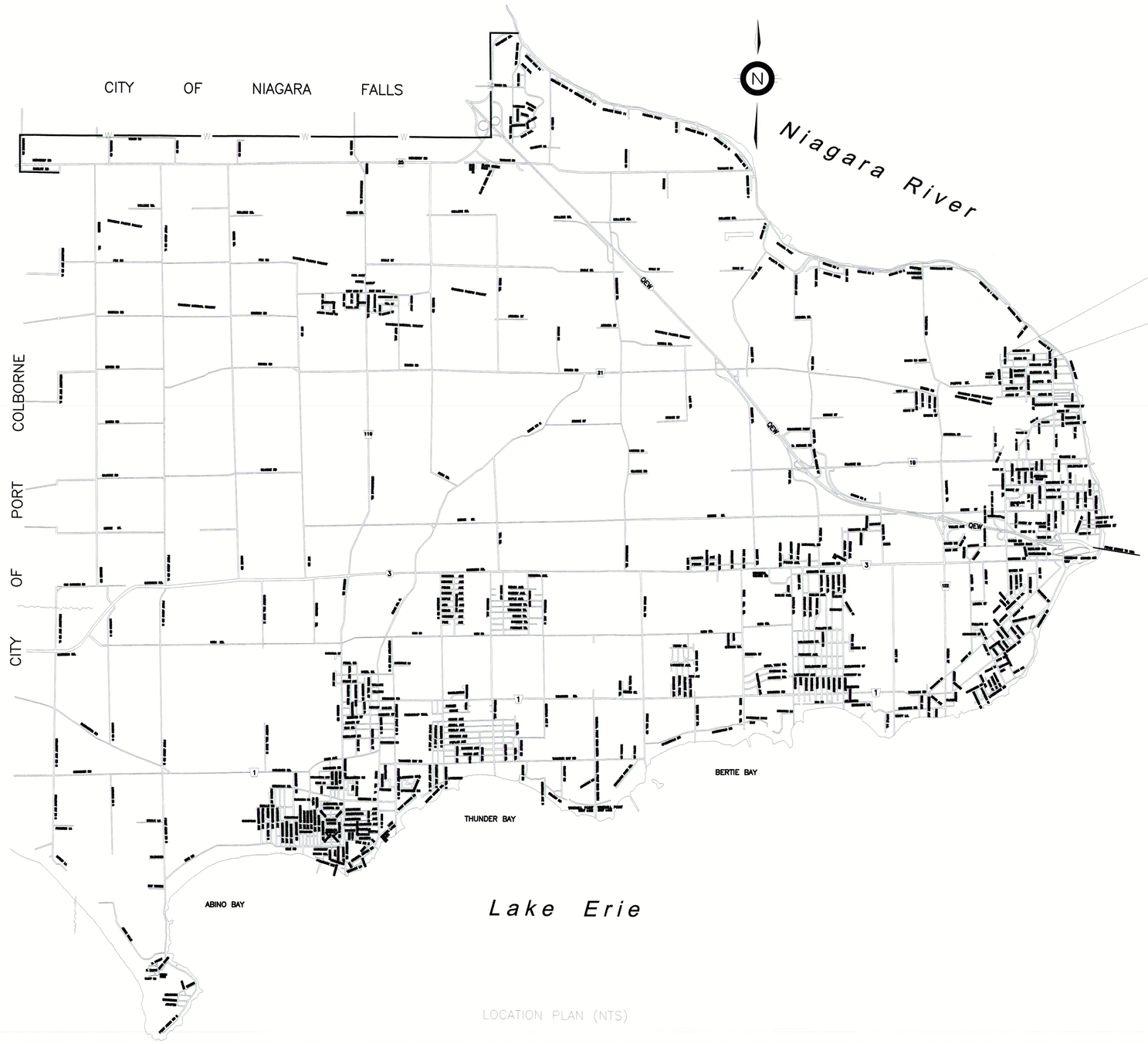
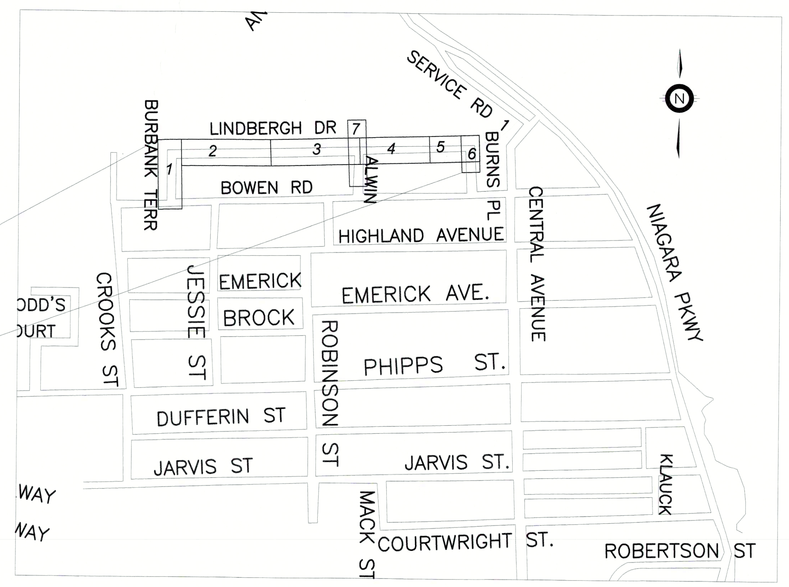


LOCATION PLAN (NTS)



LOCATION PLAN (NTS)

LINDBERGH DRIVE AND BURBANK TERRACE INFRASTRUCTURE IMPROVEMENTS CONTRACT NO.: ISE-23T-LIND20/BURB15

THE CORPORATION OF THE TOWN OF FORT ERIE
INFRASTRUCTURE SERVICES - ENGINEERING DIVISION

WAYNE REDEKOP
Mayor

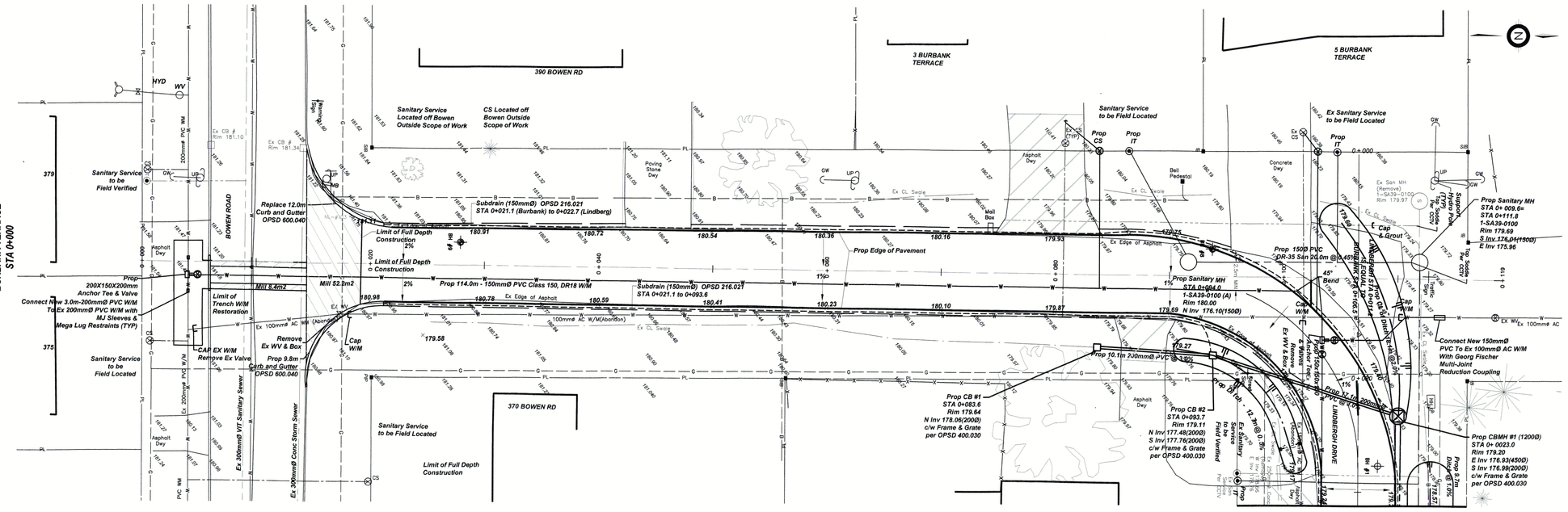
Kelly M. Walsh, P.Eng.
Director of Infrastructure Services

LIST OF DRAWINGS

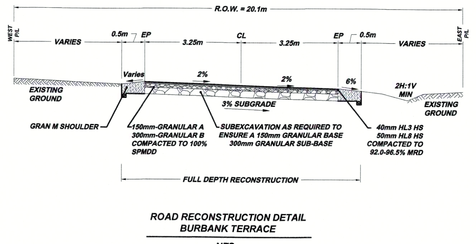
DRAWING #	LOCATION	STATIONS
PP-1	BURBANK TERRACE PLAN, PROFILE & SECTIONS	0+000 to 0+119
PP-2	LINDBERGH DR PLAN & PROFILE	0+000 to 0+200
PP-3	LINDBERGH DR PLAN & PROFILE	0+200 to 0+405
PP-4	LINDBERGH DR PLAN & PROFILE	0+405 to 0+600
PP-5	LINDBERGH DR PLAN & PROFILE	0+600 to 0+675
PP-6	BURNS PLACE PLAN, PROFILE,SECTIONS & DETAILS	0+000 to 0+087
PP-7	ALWIN PLACE PLAN, PROFILE, SECTIONS & DETAILS	0+000 to 0+079
PAGE 8	MECHANICAL RESTRAINTS	---
PAGE 9	LINDBERGH DRIVE - DRIVEWAY CROSS SECTIONS	0+000 to 0+448
PAGE 10	LINDBERGH DRIVE - DRIVEWAY CROSS SECTIONS	0+449 to 0+634
PAGE 11	LINDBERGH DRIVE - STATION CROSS SECTIONS	0+010 to 0+620
PAGE 12	LINDBERGH DRIVE - STATION CROSS SECTIONS	0+620 to 0+660

LINDBERGH DRIVE AND BURBANK TERRACE
INFRASTRUCTURE IMPROVEMENTS
CONTRACT NO.: ISE-23T-LIND20/BURB15

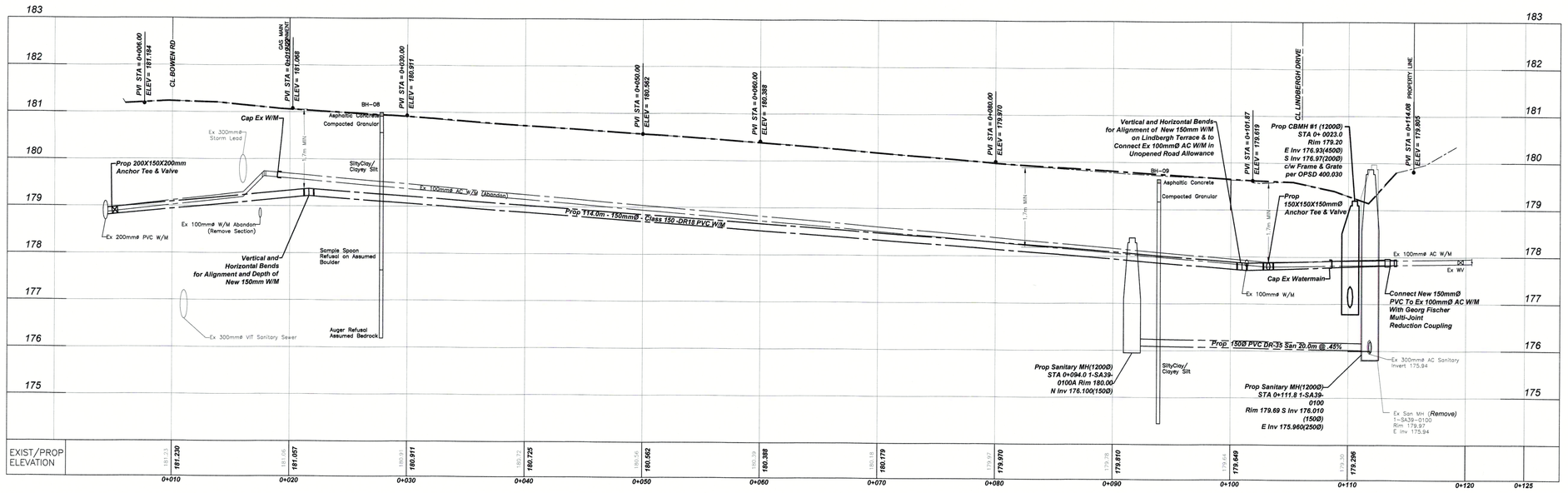
DRAWING FILE: C:\CAD HOME COVO\Lindbergh_Burbank\Current Working - cover to pp5 and page12 mech rest.dwg PLOTTED: Jul 28, 2023 - 3:19pm PLOTTED BY: SBoice



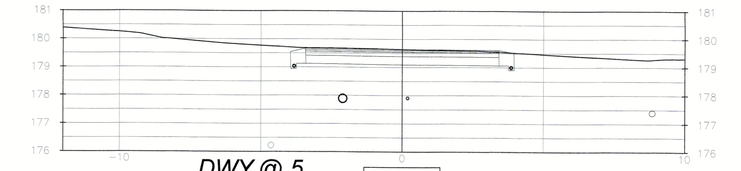
BURBANK TERRACE



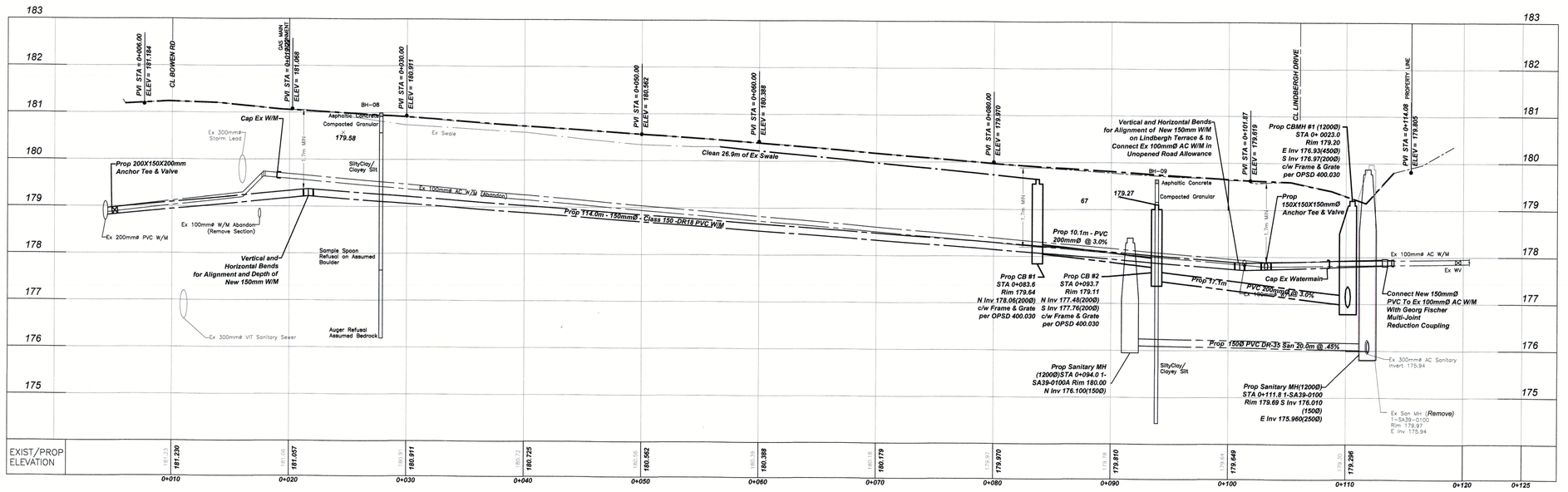
ROAD RECONSTRUCTION DETAIL
BURBANK TERRACE
NTS



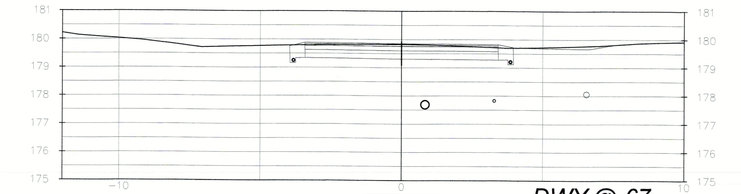
WEST DITCH VIEW



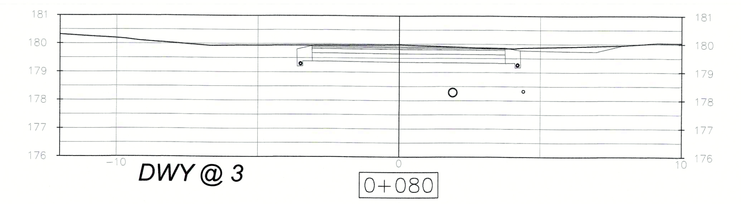
CROSS SECTION FOR DWY#5 BURBANK PLACE



EAST DITCH VIEW



CROSS SECTION FOR DWY#67 LINDBERGH DR



CROSS SECTION FOR DWY#3 BURBANK PLACE

NO.	REVISION	DATE	INIT.
0	ISSUED FOR CONSTRUCTION	07/28/2023	SLB
A	ISSUE FOR TENDER	06/27/2023	SLB
3	ISSUED FOR REVIEW	05/24/2023	SLB
2	ISSUED FOR REVIEW	01/27/2023	SLB
1	ISSUED TO UTILITIES	04/27/2022	SLB

LEGEND

EXISTING: Sanitary Sewer; Storm Sewer; Watermain (Plan); Watermain (Profile); Water Valve; Fire Hydrant; Curb Stop

PROPOSED: Sanitary Sewer; Storm Sewer; Watermain (Plan); Watermain (Profile); Water Valve; Fire Hydrant; Curb Stop; Cap

NOTES/LEGEND

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. THIS DRAWING IS ILLUSTRATIVE PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED AND ARE NOT FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAFTING: SLB
DESIGN: SLB
CHECKED BY: RL
APPROVED BY: KW

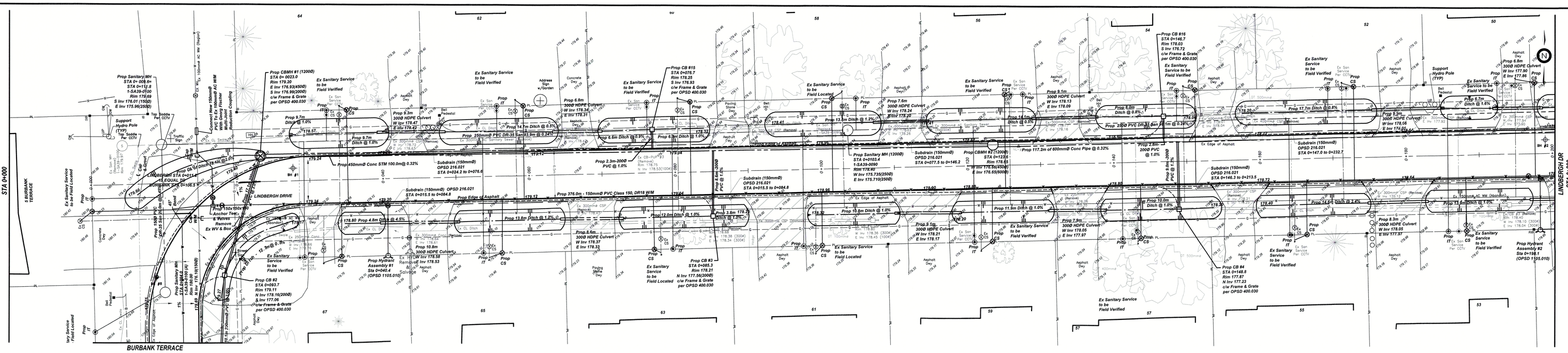
BENCHMARK:
SIB LOCATED AT THE NE PROPERTY LINE OF 5 BURBANK TERRACE
NORTHING = 4755778.544
EASTING = 660240.062
ELEVATION = 180.206

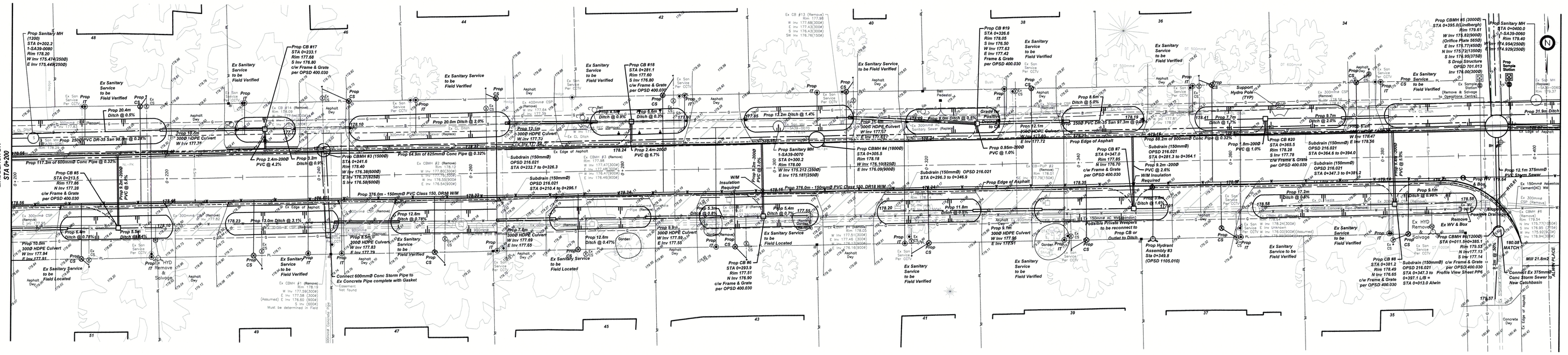
FORT ERIE ONTARIO Our Focus: Your Future

DECLARED PROFESSIONAL ENGINEER K. M. WALSH 2025-04-25 PROVINCE OF ONTARIO

ISE-23T-BURB15
BURBANK TERRACE
FROM BOWEN ROAD TO LINDBERGH DRIVE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

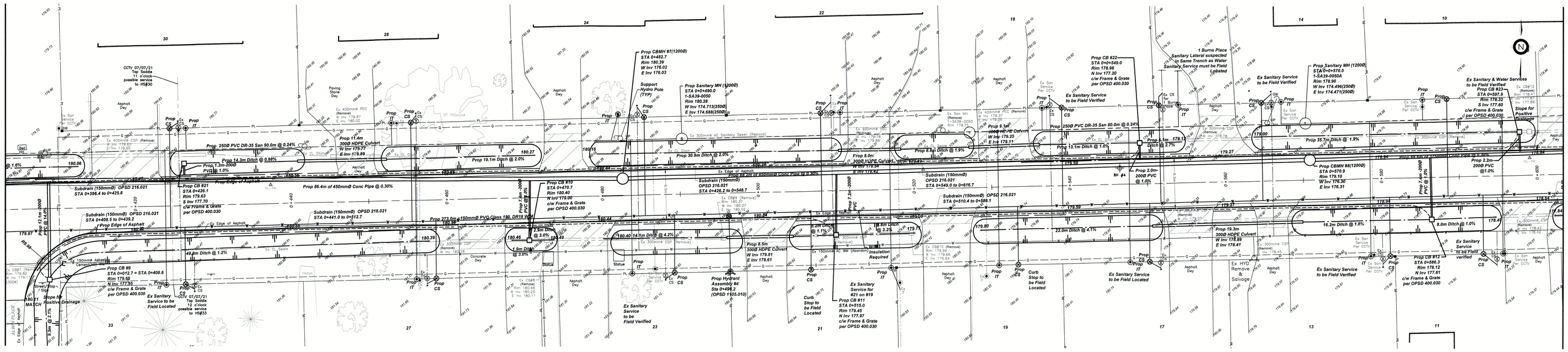
DATE: 2022-02-11
SCALE: H=1:200 V=1:50
REF. No.: ISE-23T-BURB15
DWG No.: BURBANK TERRACE - PP1
REV: 5

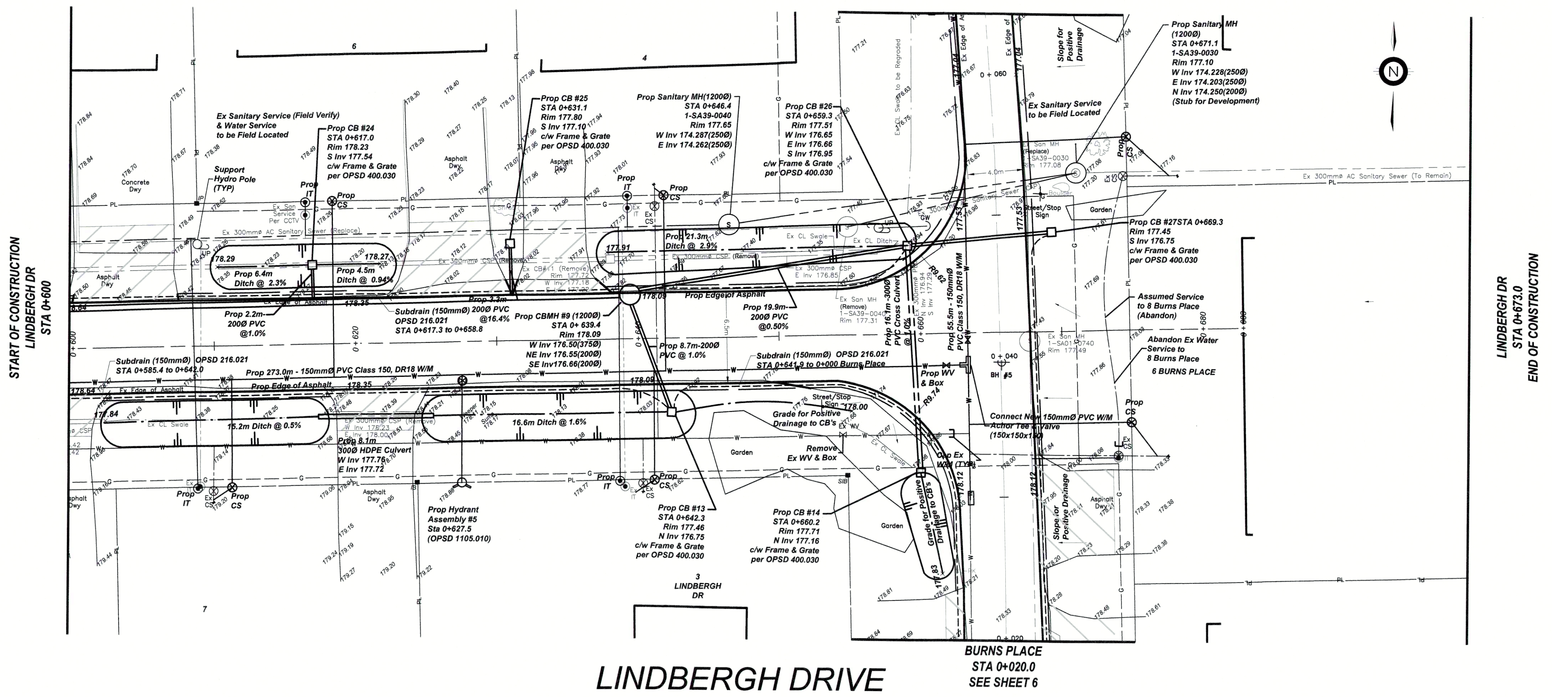

START OF CONSTRUCTION
LINDBERGH DR
STA 0+000
BURBANK TERRACE
STA 0+084.7
SHEET 1 OF 7
LINDBERGH DR
STA 0+200
SEE SHEET 3 OF 7
Prop Sanitary MH STA 0+ 008.6m 1-SA39-0100 Rim 179.69 S Inv 176.01 (1500) E Inv 175.96(2500)
Prop CBMH #1 (1200Ø) STA 0+ 0023.0 Rim 179.20 E Inv 176.93(450Ø) S Inv 176.99(200Ø) c/w Frame & Grate per OPSD 400.030
Ex Sanitary Service to be Field Verified
Prop 9.3m 300Ø HDPE Culvert W Inv 178.47 E Inv 178.42
Prop 9.7m Ditch @ 1.0%
Prop 14.7m Ditch @ 0.5%
Prop 6.6m Ditch @ 0.9%
Prop 6.9m Ditch @ 1.0%
Prop 250mmØ PVC DR-35 Sani 93.8m @ 0.24%
Prop 450mmØ Conc STM 100.0m@ 0.32%
Subdrain (150mmØ) OPSD 216.021 STA 0+034.2 to 0+076.6
Subdrain (150mmØ) OPSD 216.021 STA 0+015.5 to 0+084.8
Prop 2.3m-200Ø PVC @ 1.0%
Prop 6.6m 200Ø PVC @ 1.0%
Prop 376.0m - 150mmØ PVC Class 150, DR18 WM
Prop 12.0m Ditch @ 1.0%
Prop 13.6m Ditch @ 1.2%
Prop 4.8m Ditch @ 4.5%
Prop 10.8m 300Ø HDPE Culvert W Inv 178.58 E Inv 178.53
Prop Hydrant Assembly #1 Sta 0+040.4 (OPSD 1105.010)
Ex Hydrant & Valve (To Be Removed)
Prop CB #2 STA 0+093.7 Rim 179.11 N Inv 178.15(200Ø) S Inv 177.96 c/w Frame & Grate per OPSD 400.030
Prop CB #3 STA 0+085.3 Rim 178.21 N Inv 177.56(200Ø) c/w Frame & Grate per OPSD 400.030
Prop 8.6m 300Ø HDPE Culvert W Inv 178.37 E Inv 178.33
Prop CB #15 STA 0+076.7 Rim 178.25 S Inv 176.93 c/w Frame & Grate per OPSD 400.030
Prop 12.7m Ditch @ 0.5%
Prop 10.5m Ditch @ 1.0%
Prop 3.8m 175.2 Ditch @ 1.0%
Prop 9.1m 300Ø HDPE Culvert W Inv 178.21 E Inv 178.17
Prop 11.5m Ditch @ 1.0%
Prop 7.9m 300Ø HDPE Culvert W Inv 178.05 E Inv 177.97
Prop 14.5m Ditch @ 2.4%
Prop 13.4m Ditch @ 1.0%
Prop CB #4 STA 0+148.8 Rim 177.97 N Inv 177.23 c/w Frame & Grate per OPSD 400.030
Prop CB #16 STA 0+146.7 Rim 178.03 S Inv 176.72 c/w Frame & Grate per OPSD 400.030
Prop 9.1m 300Ø HDPE Culvert W Inv 178.13 E Inv 178.09
Prop 7.6m 300Ø HDPE Culvert W Inv 178.24 E Inv 178.20
Prop 4.0m Ditch @ 0.8%
Prop 17.7m Ditch @ 0.8%
Prop 250Ø PVC DR-35 San 98.1m @ 0.24%
Prop 117.2m of 600mmØ Conc Pipe @ 0.32%
Prop 2.8m 200Ø PVC @ 1.0%
Prop 8.3m 300Ø HDPE Culvert W Inv 178.05 E Inv 177.97
Prop 6.8m 300Ø HDPE Culvert W Inv 177.90 E Inv 177.86
Prop Hydrant Assembly #2 Sta 0+198.1 (OPSD 1105.010)
Subdrain (150mmØ) OPSD 216.021 STA 0+146.3 to 0+213.5
Subdrain (150mmØ) OPSD 216.021 STA 0+147.0 to 0+332.7
Support Hydro Pole (TYP)
Top Saddle Per CCTV
Ex Sanitary Service to be Field Located
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Located
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Verified


START OF CONSTRUCTION
LINDBERGH DR
STA 0+260
LINDBERGH DR
STA 0+440
SEE SHEET 4 OF 7
Prop Sanitary MH (1200)
STA 0+202.2
1-SA39-0080
Rim 178.20
W Inv 175.474(250Ø)
E Inv 175.449(250Ø)
Prop 250Ø PVC DR-35 San 98.8m @ 0.24%
Prop 117.2m of 600mmØ Conc Pipe @ 0.32%
Prop CB #5
STA 0+213.5
Rim 177.86
N Inv 177.28
c/w Frame & Grate
per OPSD 400.030
Prop 10.0m
300Ø HDPE Culvert
W Inv 177.54
E Inv 177.51
Prop 3.2m 200Ø PVC @ 6.4%
Prop 6.4m Ditch @ 0.75%
Prop 5.5m Ditch @1.4%
Ex Sanitary Service to be Field Located
Ex Hydrant & Valve Remove & Salvage to Operations Centre
Prop 10.4m
300Ø HDPE Culvert
W Inv 177.76
E Inv 177.73
Prop 20.4m Ditch @ 0.5%
Prop 18.0m 300Ø HDPE Culvert W Inv 177.71
Prop 3.4m-200Ø PVC @ 4.2%
Prop 3.2m Ditch @ 0.9%
Prop CBMH #3 (1500Ø)
STA 0+241.6
Rim 178.40
W Inv 176.38(6000Ø)
E Inv 176.37(8250Ø)
S Inv 176.58(6000Ø)
Prop 64.5m of 825mmØ Conc Pipe @ 0.32%
Prop 12.8m Ditch @ 0.78%
Prop 13.0m Ditch @ 3.1%
Prop 2.5m 200Ø HDPE Culvert W Inv 177.61 E Inv 177.79
Connect 600mmØ Conc Storm Pipe to Ex Concrete Pipe complete with Gasket
Ex Sanitary Service to be Field Verified
Prop CB #17
STA 0+233.1
Rim 178.15
W Inv 177.71
S Inv 176.80
c/w Frame & Grate
per OPSD 400.030
Prop CB #15
STA 0+291.1
Rim 177.60
S Inv 176.80
c/w Frame & Grate
per OPSD 400.030
Prop 8.6m Ditch @ 0.5%
Prop 20.0m Ditch @ 2.0%
Prop 12.0m 300Ø HDPE Culvert W Inv 177.72 E Inv 177.69
Prop 2.4m-200Ø PVC @ 6.7%
Subdrain (150mmØ) OPSD 216.021
STA 0+232.7 to 0+326.3
Subdrain (150mmØ) OPSD 216.021
STA 0+216.4 to 0+296.1
Prop 7.8m 300Ø HDPE Culvert W Inv 177.69 E Inv 177.55
Prop 12.8m Ditch @ 0.47%
Prop 9.8m 300Ø HDPE Culvert W Inv 177.55 E Inv 177.55
Prop CB #6
STA 0+333.9
Rim 177.51
N Inv 176.90
c/w Frame & Grate
per OPSD 400.030
Prop Sanitary MH (1200Ø)
STA 0+300.2
1-SA39-0070
Rim 178.00
W Inv 175.212(250Ø)
E Inv 175.187(250Ø)
Prop CBMH #4 (1800Ø)
STA 0+305.5
Rim 178.18
E Inv 176.10(925Ø)
W Inv 176.09(9000)
Prop 13.2m Ditch @ 1.4%
Prop 11.8m 300Ø HDPE Culvert W Inv 177.57 E Inv 177.55
Prop Sanitary MH 1-SA39-0070
STA 0+300.2
Rim 178.00
W Inv 175.212(250Ø)
E Inv 175.187(250Ø)
W/M Insulation Required
Prop 376.0m - 150mmØ PVC Class 150, DR18 W/M
Prop 5.4m Ditch @ 0.7%
Prop 11.8m Ditch @ 0.4%
Subdrain (150mmØ) OPSD 216.021
STA 0+256.3 to 0+346.9
Prop Edge of Asphalt
Prop 9.1m 300Ø HDPE Culvert W Inv 177.86 E Inv 177.51
Prop 9.2m 300Ø HDPE Culvert W Inv 177.72 E Inv 177.72
Prop 0.95m-200Ø PVC @ 1.0%
Prop 8.6m Ditch @ 5.0%
Prop 350Ø PVC DR-35 San 97.3m @ 0.24%
Prop CB #19
STA 0+326.6
Rim 178.05
S Inv 176.50
W Inv 177.63
E Inv 177.42
Frame & Grate
per OPSD 400.030
Ex Sanitary Service to be Field Verified
Support Hydro Pole (TYP)
Prop 9.7m Ditch @ 2.0%
Prop 1.7m Ditch @ 1.7%
Prop 65.3m of 600mmØ Conc Pipe @ 0.32%
Prop 1.8m-200Ø PVC @ 1.0%
Prop CB #20
STA 0+365.5
Rim 178.38
S Inv 177.78
c/w Frame & Grate
per OPSD 400.030
Subdrain (150mmØ) OPSD 216.021
STA 0+364.6 to 0+394.0
Subdrain (150mmØ) OPSD 216.021
STA 0+347.3 to 0+381.2
Prop 9.2m -200Ø PVC @ 2.6%
W/M Insulation Required
Prop 12.1m 375mmØ Conc Storm Sewer
Prop 9.1m Ditch @ 0.9%
Prop 17.3m Ditch @ 3.6%
Prop 2.8m Ditch @ 1.6%
Prop CB #97
STA 0+347.0
Rim 177.85
N Inv 176.70
c/w Frame & Grate
per OPSD 400.030
Prop Hydrant Assembly #3 Sta 0+349.8 (OPSD 1105.010)
Ex Sanitary Service to be Field Verified
Prop CB #98
STA 0+381.2
Rim 178.49
N Inv 176.65
c/w Frame & Grate
per OPSD 400.030
Subdrain (150mmØ) OPSD 216.021
STA 0+347.3 to Profile View Sheet PP6
Prop CBMH #5 (3000Ø)
STA 0+395.0
Rim 178.61
W Inv 175.82(900Ø)
(Orifice Plate 565Ø)
E Inv 175.77(450Ø)
N Inv 175.72(1350Ø)
S Inv 176.95(375Ø)
S Drop Structure
OPSD 701.013
Inv 176.00(3000Ø)
Prop Sanitary MH
STA 0+400.0
1-SA39-0060
Rim 179.40
W Inv 174.954(250Ø)
E Inv 174.929(250Ø)
Prop Single Storm Station
Ex Sanitary Service to be Field Verified
Prop 31.9m Ditch
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Verified

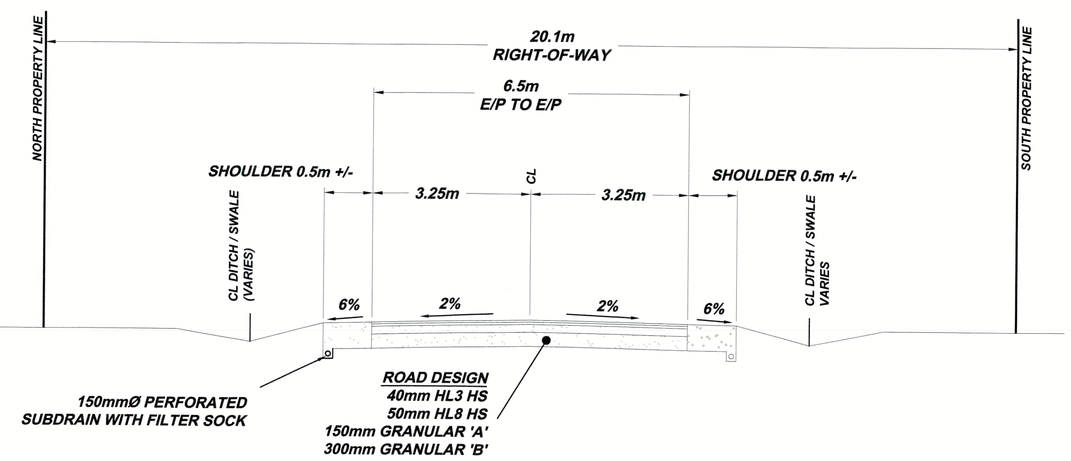
START OF CONSTRUCTION
LINDBERGH DR
STA 0+405

LINDBERGH DR
STA 0+600.0
SEE SHEET 5 OF 7

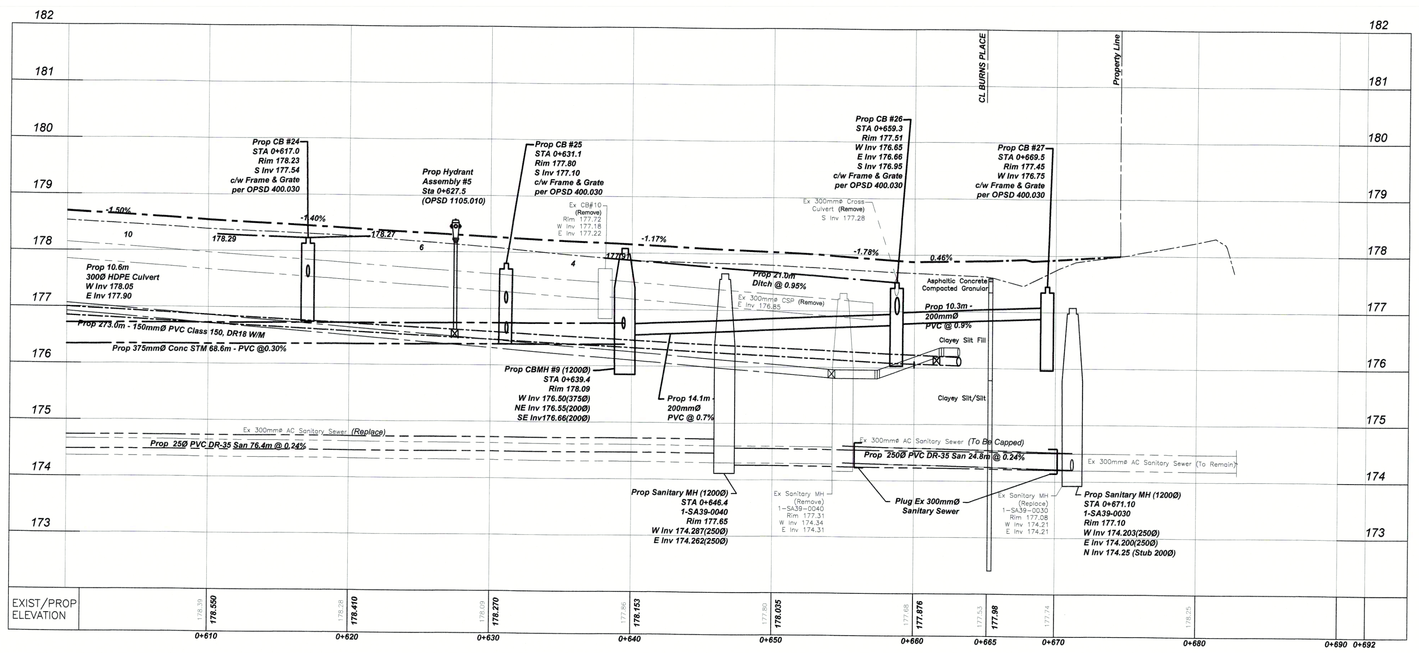

Prop 250Ø PVC DR-35 San 90.0m @ 0.24%
Prop 14.3m Ditch @ 0.88%
Prop 7.3m 200Ø PVC @ 1.0%
Prop 11.4m 300Ø HDPE Culvert W Inv 179.77 E Inv 179.89
Prop 19.1m Ditch @ 2.0%
Prop 30.9m Ditch @ 3.0%
Prop CBMH 97(1200Ø) STA 0+482.7 Rim 180.39 W Inv 176.02 E Inv 176.03
Support Hydro Pole (TYP)
Prop Sanitary MH (1200Ø) STA 0+490.0 1-SA39-0050 Rim 180.28 W Inv 174.713(250Ø) E Inv 174.688(250Ø)
Prop 8.0m 200Ø HDPE Culvert W Inv 179.54 E Inv 179.64
Prop 9.5m 300Ø HDPE Culvert W Inv 179.25 E Inv 179.11
Prop CB 922 STA 0+549.0 Rim 178.98 N Inv 177.30 c/w Frame & Grate per OPSD 400.030
1 Burns Place Sanitary Lateral suspected on Same Trench as Water Sanitary Service must be Field Located
Ex Sanitary Service to be Field Verified
Prop 2.0m 200Ø PVC @ 1.0%
Prop 13.1m Ditch @ 1.0%
Prop 35.7m Ditch @ 1.9%
Prop Sanitary MH (1200Ø) STA 0+570.9 1-SA39-0050A Rim 178.90 W Inv 174.496(250Ø) E Inv 174.471(250Ø)
Ex Sanitary & Water Services to be Field Verified
Prop CB 923 STA 0+597.9 Rim 178.32 S Inv 177.60 c/w Frame & Grate per OPSD 400.030
Slope for Positive Drainage
Prop 3.2m 200Ø PVC @1.0%
Prop CBMH 98(1200Ø) STA 0+570.9 Rim 179.10 W Inv 176.30 E Inv 176.31
Prop 7.4m 300Ø PVC @ 1.9%
8.0m Ditch @ 1.0%
Ex Sanitary Service to be Field Verified
Prop CB 812 STA 0+586.3 Rim 178.12 N Inv 177.61 c/w Frame & Grate per OPSD 400.030
Subdrain (150mmØ) OPSD 216.021 STA 0+396.4 to 0+425.8
Subdrain (150mmØ) OPSD 216.021 STA 0+409.5 to 0+439.2
Prop Edge of Asphalt
Prop CB 921 STA 0+426.1 Rim 179.63 S Inv 177.70 c/w Frame & Grate per OPSD 400.030
Prop 86.4m of 450mmØ Conc Pipe @ 0.30%
Subdrain (150mmØ) OPSD 216.021 STA 0+441.0 to 0+512.7
Prop 273.0m ø150mmØ PVC Class 150, DR18 WM
Prop CB 910 STA 0+470.7 Rim 180.40 N Inv 179.00 c/w Frame & Grate per OPSD 400.030
Subdrain (150mmØ) OPSD 216.021 STA 0+426.2 to 0+548.7
Prop 8.5m 300Ø HDPE Culvert W Inv 179.91 E Inv 179.61
Subdrain (150mmØ) OPSD 216.021 STA 0+549.0 to 0+616.7
Subdrain (150mmØ) OPSD 216.021 STA 0+510.4 to 0+586.1
Prop 49.8m Ditch @ 1.2%
Prop CB 9 STA 0+12.7+STA0+408.6 Rim 179.66 N Inv 177.95 c/w Frame & Grate per OPSD 400.030
Prop CB 811 STA 0+515.0 Rim 179.45 N Inv 177.97 c/w Frame & Grate per OPSD 400.030
Prop Hydrant Assembly #4 Sta 0+496.2 (OPSD 1105.010)
Ex Sanitary Service to be Field Located
Curb Stop to be Field Located
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Located
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Verified
Ex Sanitary Service to be Field Verified



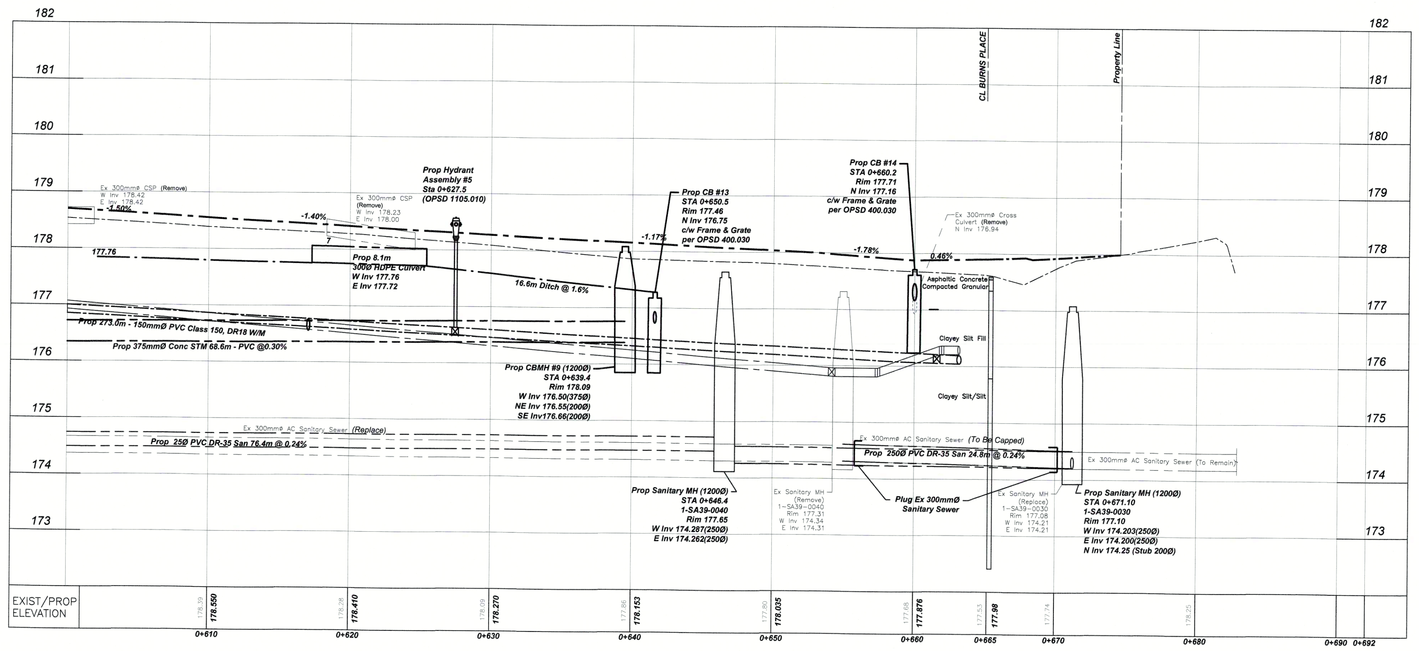
LINDBERGH DRIVE



LINDBERGH DRIVE
TYPICAL CROSS SECTION
STA 0+040.0 to 660.0
NTS



NORTH DITCH VIEW



SOUTH DITCH VIEW

NO.	REVISION	DATE	INIT.
5	ISSUED FOR CONSTRUCTION	07/28/2023	SLB
4	ISSUED FOR TENDER	06/27/2023	SLB
3	ISSUED FOR REVIEW	05/24/2023	SLB
2	ISSUED FOR REVIEW	01/27/2023	SLB
1	ISSUED TO UTILITIES	04/27/2023	SLB

LEGEND

EXISTING: Sanitary Sewer; Storm Sewer; Watermain (Plan); Watermain (Profile); Water Valve; Fire Hydrant; Curb Stop

PROPOSED: Sanitary Sewer; Storm Sewer; Watermain (Plan); Watermain (Profile); Water Valve; Fire Hydrant; Curb Stop; Cap

NOTES/REVISION

1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2 PROPERTY LINES ARE BASED ON EXISTING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAFTING: SLB
DESIGN: SLB
CHECKED BY: KL
APPROVED BY: KW

BENCHMARK:
SIB LOCATED AT THE NE PROPERTY LINE OF 5 BURBANK TERRACE
NORTHING = 4755778.544
EASTING = 660040.262
ELEVATION = 180.206

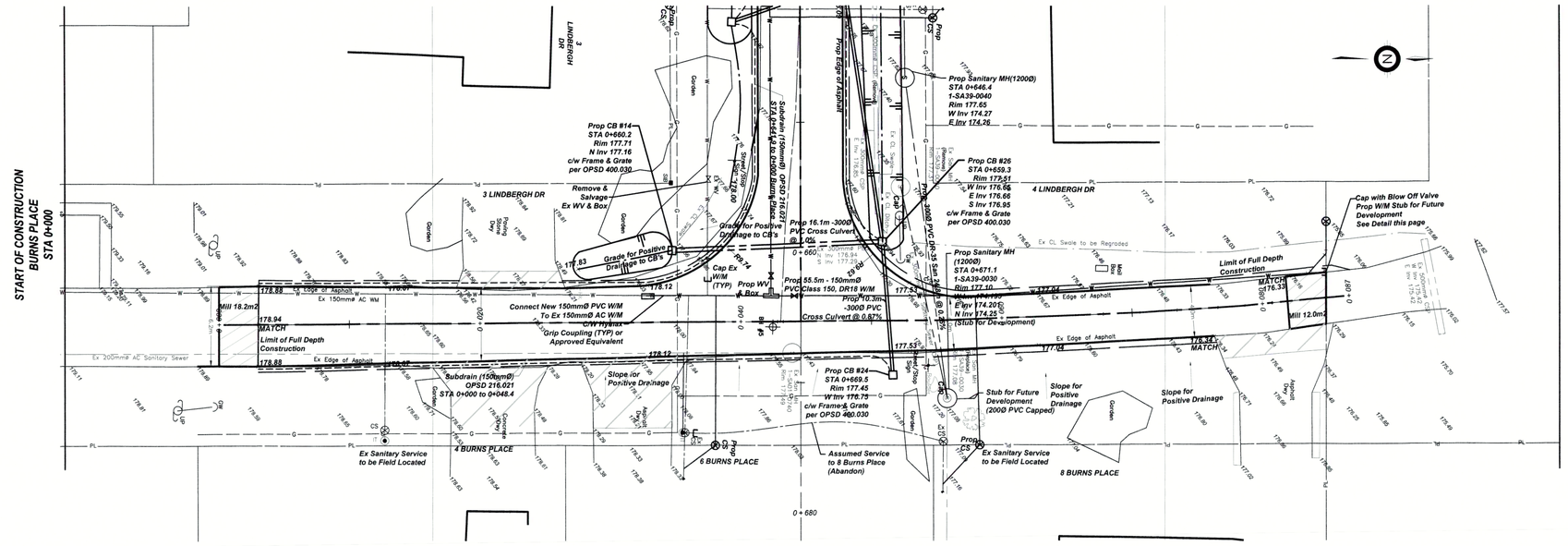
FORT ERIE ONTARIO
Our Focus: Your Future

LICENSED PROFESSIONAL ENGINEER
K. M. WALSH
PROVINCE OF ONTARIO

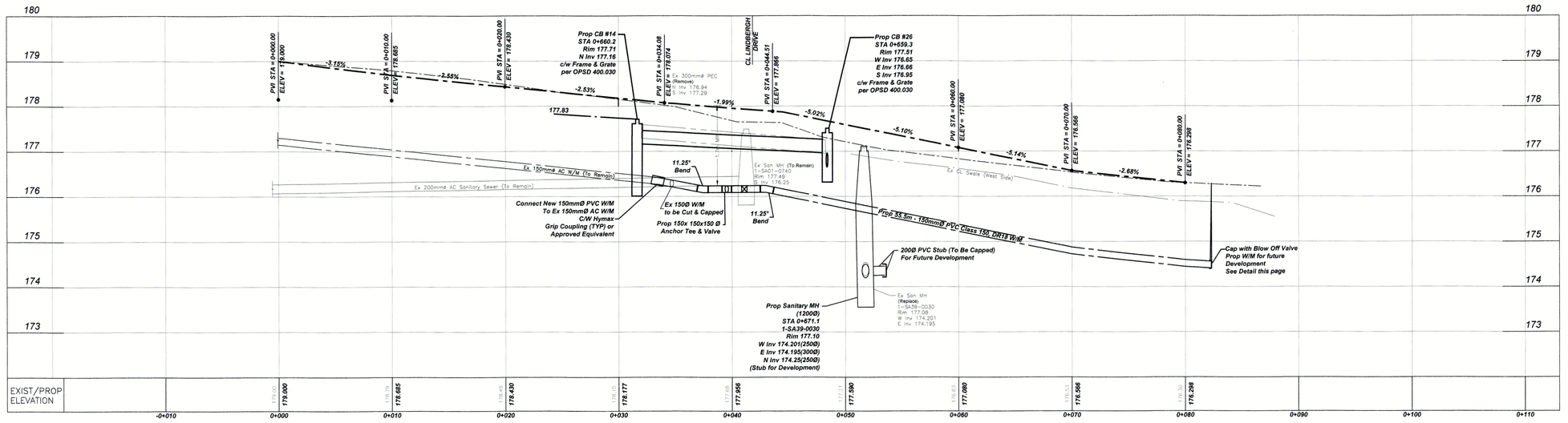
ISE-23T-LIND20
LINDBERGH DRIVE

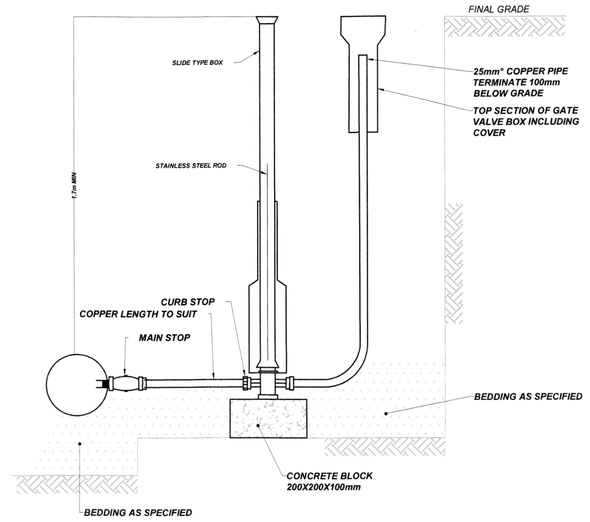
FROM BOWEN ROAD TO LINDBERGH DRIVE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

DATE: 2022-02-11
SCALE: H=1:200 V=1:50
SET NO.: ISE-23T-LIND20
DWG. NO.: LINDBERGH DR - PP5
SHT. NO.: 5

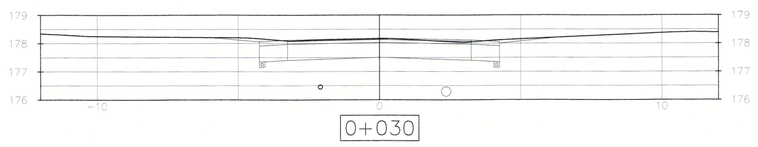


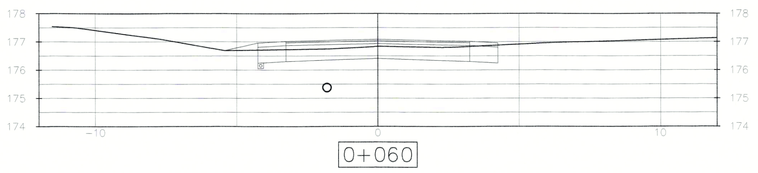
BURNS PLACE

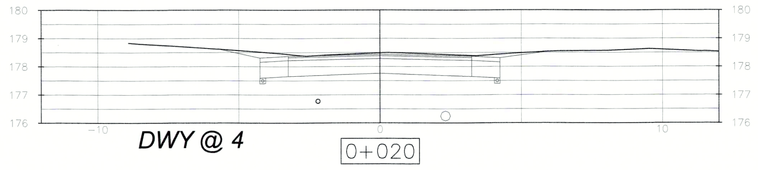


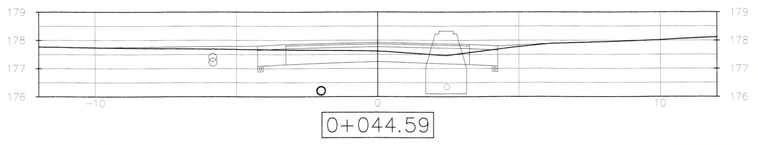


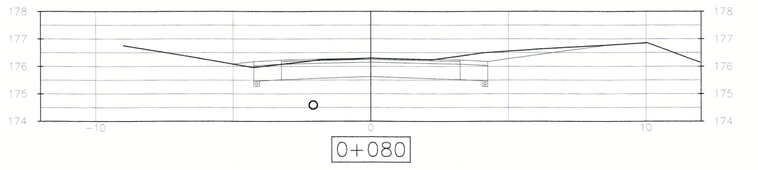
WATERMAIN BLOW OFF DETAIL
BURNS PLACE STA 0+082.0

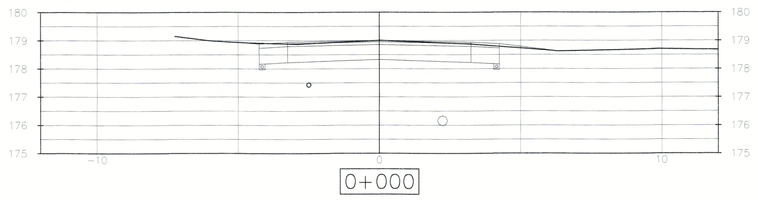


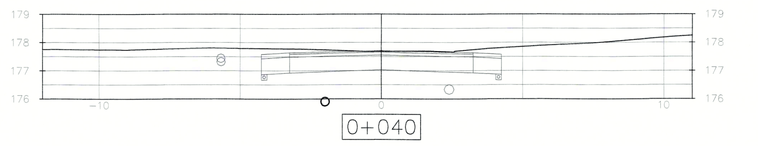


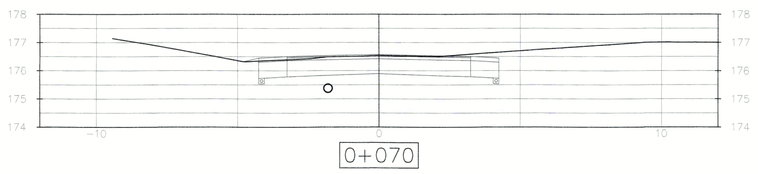












ISSUED FOR CONSTRUCTION		2023/11/28	LB
ISSUED FOR TENDER		2023/11/07	LB
ISSUED FOR REVIEW		2023/10/24	LB
ISSUED AS NOTED		2023/09/26	LB
REVISION		DATE	BY

LEGEND

EXISTING: Sanitary Sewer; Storm Sewer; Watermain (Plan); Watermain (Profile); Water Valve; Fire Hydrant; Curb Stop

PROPOSED: Sanitary Sewer; Storm Sewer; Watermain (Plan); Watermain (Profile); Water Valve; Fire Hydrant; Curb Stop; Cap

NOTES/LEGEND

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. PROPERTY LINES WERE DERIVED FROM REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT IDENTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAWN: SLB
DESIGN: SLB
CHECKED BY: RL
APPROVED BY: KW

BENCHMARK:

SIB LOCATED AT THE NE PROPERTY LINE OF 5 BURBANK TERRACE

NORTHING = 4755778.544
EASTING = 668040.252
ELEVATION = 180.206

FORT ERIE ONTARIO
Our Focus: Your Future

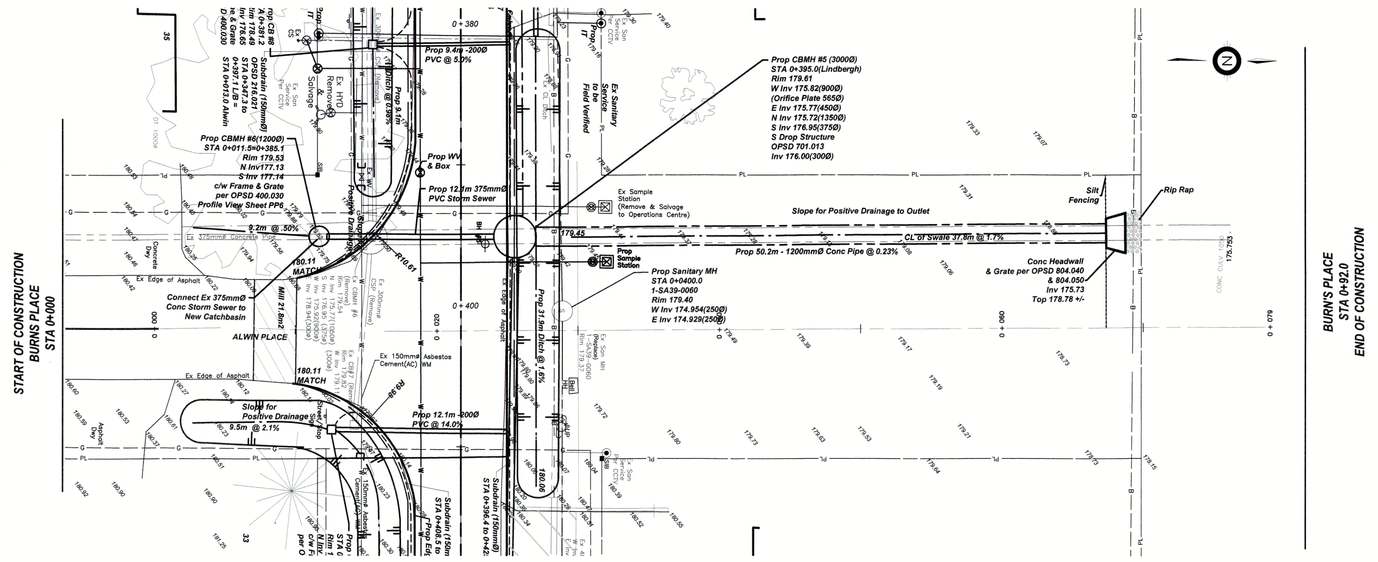
LICENSED PROFESSIONAL ENGINEER
KYLE WILSON
100212611
2023-09-26
PROVINCE OF ONTARIO

ISE-23T-LIND20
LINDBERGH DRIVE

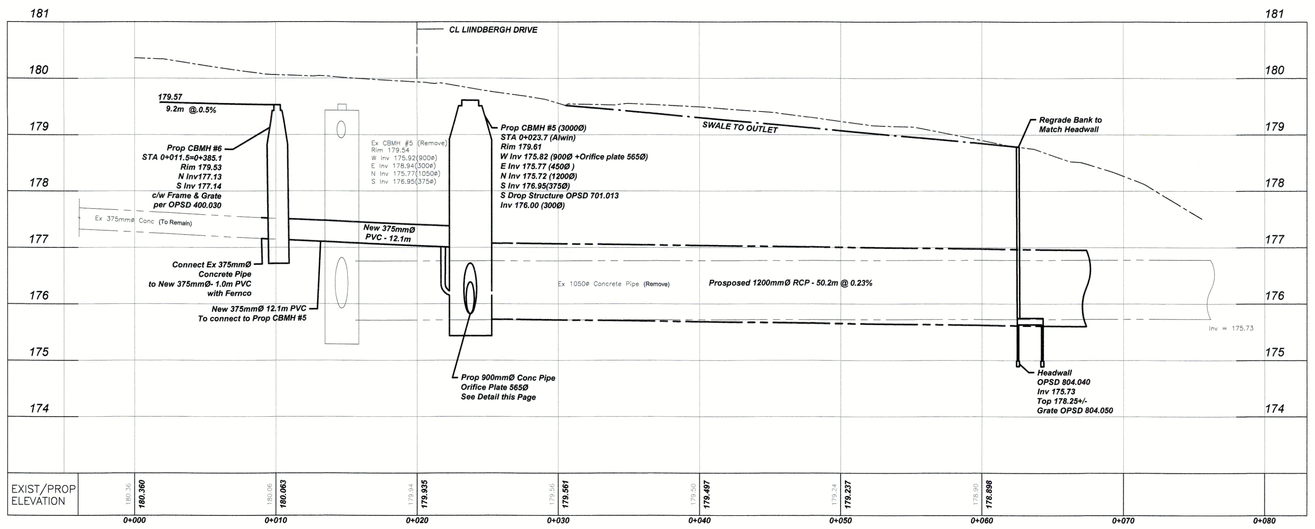
FROM BURBANK TERRACE TO BURNS PLACE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

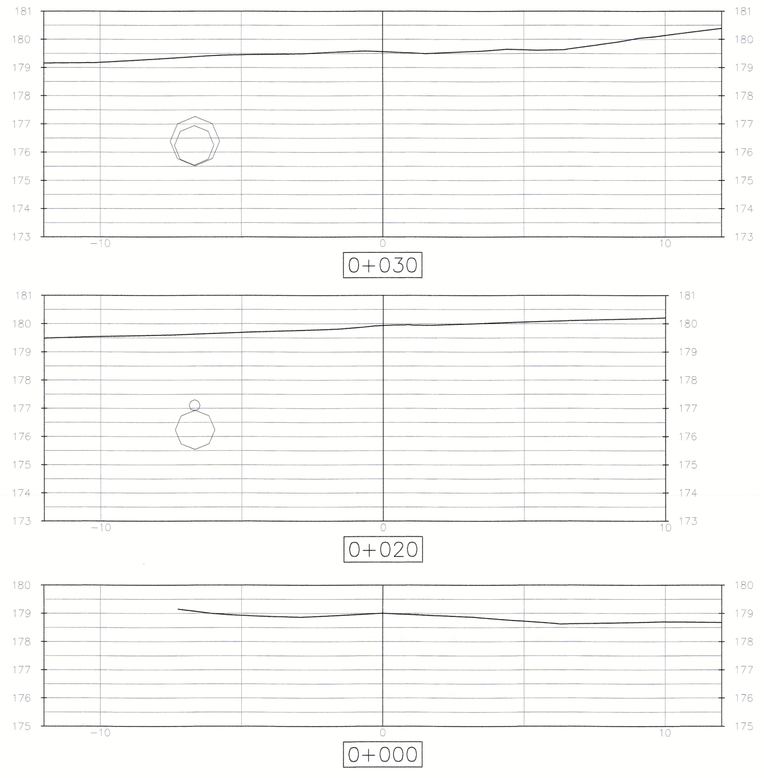
DATE: 2022-02-11
SCALE: H=1:200 V=1:50
REF. NO.: ISE-23T-LIND20
DWG. NO.: PP6-Burns Place - Sections & Detail
5

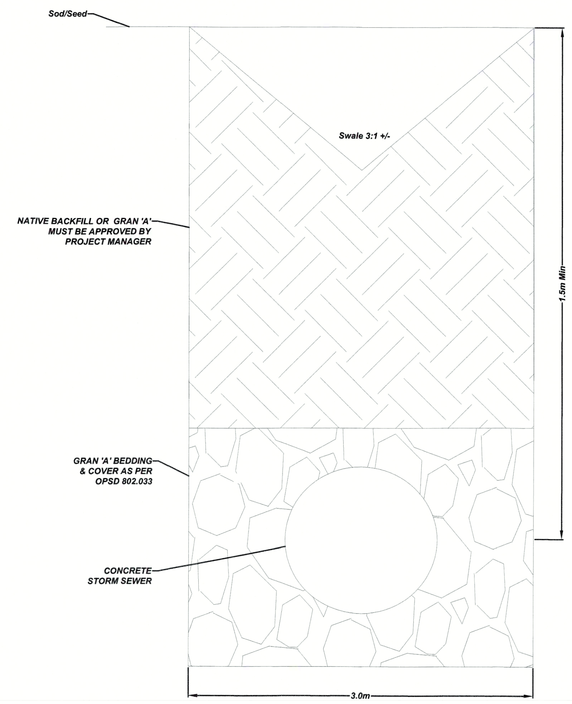
DRAWING FILE: G:\PROJECTS\Projects 2020\LIND20 – Lindbergh-Burgess\4 CAD\PP 6 Burns Place with sections.dwg PLOTTED: Aug 02, 2023 - 3:53pm PLOTTED BY: SBrink



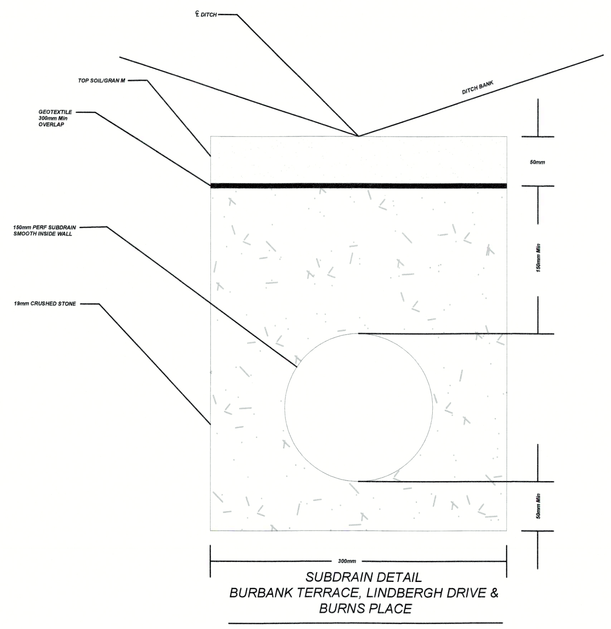
ALWIN PLACE





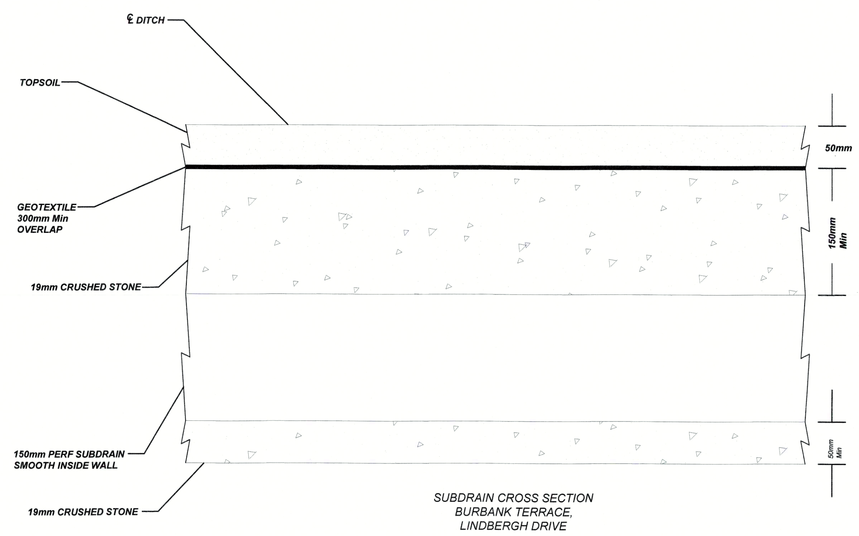


TRENCH DETAILS FOR UNOPENED R/A
ALWIN PLACE STA 0+026 to 0+079
NTS



SUBDRAIN DETAIL
BURBANK TERRACE, LINDBERGH DRIVE &
BURNS PLACE

NTS



SUBDRAIN CROSS SECTION
BURBANK TERRACE,
LINDBERGH DRIVE

NTS

REVISION	DATE	BY
ISSUED FOR CONSTRUCTION	07/29/2022	SLB
ISSUED FOR TENDER	06/27/2022	SLB
ISSUED FOR REVIEW	05/24/2022	SLB
ISSUED FOR REVIEW	01/27/2022	SLB
ISSUED TO MTMTES	04/27/2022	SLB

LEGEND

EXISTING	PROPOSED
Sanitary Sewer	Sanitary Sewer
Storm Sewer	Storm Sewer
Watermain (Plan)	Watermain (Plan)
Watermain (Profile)	Watermain (Profile)
Water Valve	Water Valve
Fire Hydrant	Fire Hydrant
Curb Stop	Curb Stop
	Cap

NOTES/LEGEND

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE LOCATION ON THE DRAWINGS IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. THE DIGITAL DATA, (COMPUTER FILE) OF THIS DRAWING, THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAFTING: SLB
DESIGN: SLB
CHECKED BY: RL
APPROVED BY: KW

BENCHMARK:

SIB LOCATED AT THE NE PROPERTY LINE OF 5 BURBANK TERRACE

NORTHING = 4755778.544
EASTING = 669045.222
ELEVATION = 180.206

FORT ERIE ONTARIO
Our Focus: Your Future

LICENSED PROFESSIONAL ENGINEER
K W WALSH
2023 08 14
PROVINCE OF ONTARIO

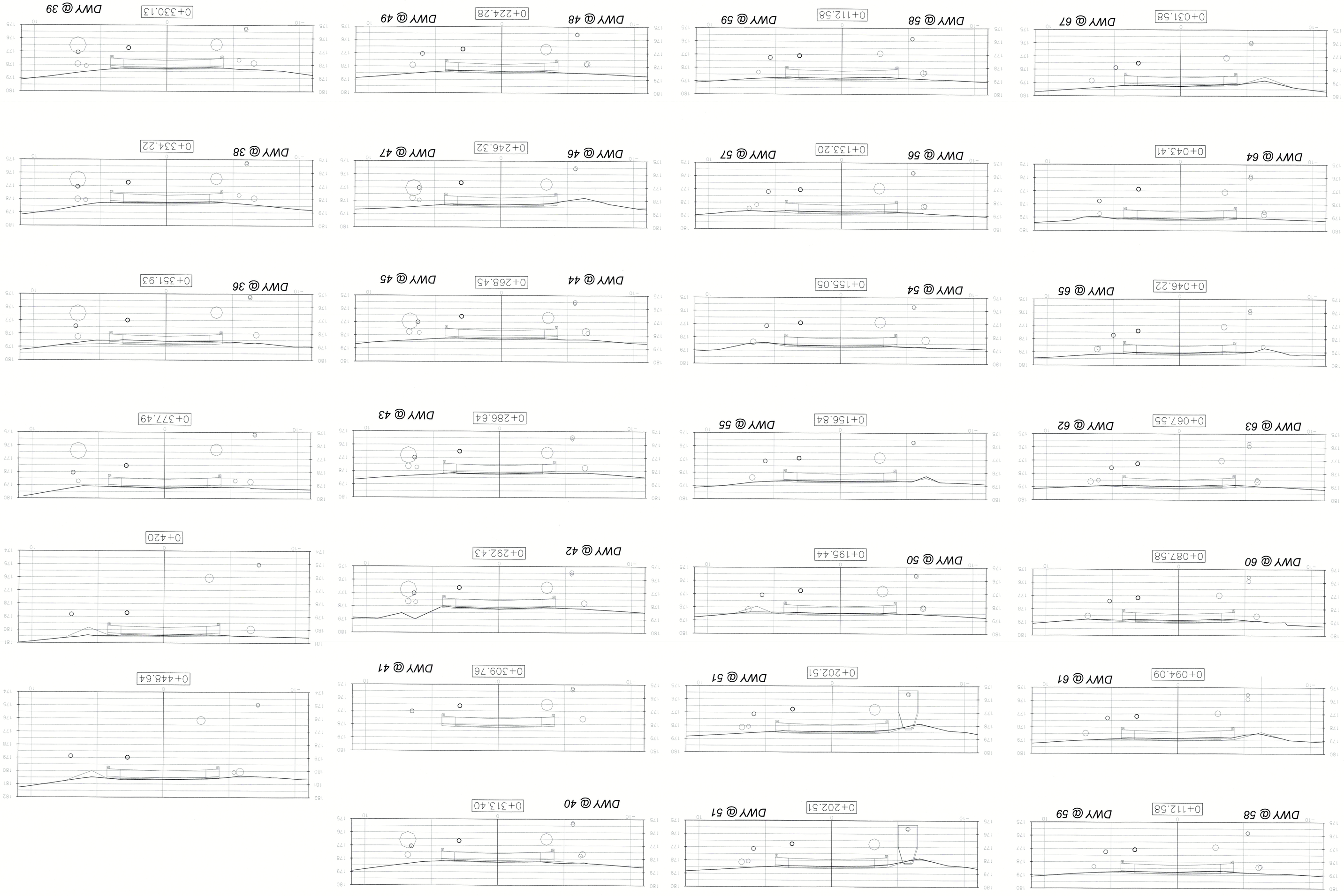
ISE-23T-LIND20
LINDBERGH DRIVE

FROM BURBANK TERRACE TO BURNS PLACE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

DATE: 2022-02-11
SCALE: H=1:200 V=1:50
REF. NO.: ISE-23T-LIND20
DWG. No.: PP7-Alwin Place - Sections & Detail
5

DRAWING FILE: G:\PROJECTS\Projects 2020\LIND20 - Lindbergh-Burbank\4. CAD\plotpp 7 Alwin Place w_ no_section_detail.dwg PLOTTED: Aug 02, 2023 - 3:50pm PLOTTED BY: SBruce

DRIVEWAY CROSS SECTIONS
STA 0+031.58 TO STA 0+448.64



NO.	REVISION	DATE	BY
1	ISSUED FOR CONSTRUCTION	2022-12-21	KLM
2	ISSUED FOR REVIEW	2022-12-07	KLM
3	ISSUED FOR REVIEW	2022-11-23	KLM
4	ISSUED FOR REVIEW	2022-11-02	KLM
5	ISSUED FOR REVIEW	2022-10-24	KLM
6			
7			
8			
9			
10			

LEGEND

EXISTING
- Entry Sewer
- Storm Sewer
- Storm Maintenance Hole
- Sanitary Sewer
- Sanitary Maintenance Hole
- Water Valve
- Water Maintenance Hole
- Fire Hydrant
- Catch Basin
- Curb Stop

PROPOSED
- Sanitary Sewer
- Sanitary Maintenance Hole
- Water Valve
- Fire Hydrant
- Curb Stop

NOTES/LEGEND

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY ACCURATE OR COMPLETE. DRAWINGS ARE NOT TO BE SCALED. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
2. SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION PRIOR AND DURING THE USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION PRIOR AND DURING THE USE BY OTHERS.

DRAWN BY: KLM
CHECKED BY: PL
DESIGN: KLM
SCALE: AS NOTED

SURVEY MONUMENT
SIB LOCATED AT THE NE PROPERTY LINE OF
5 BURBANK TERRACE
EASTING - 790,020.262
NORTHING - 4,759,778.544
ELEVATION - 180.638

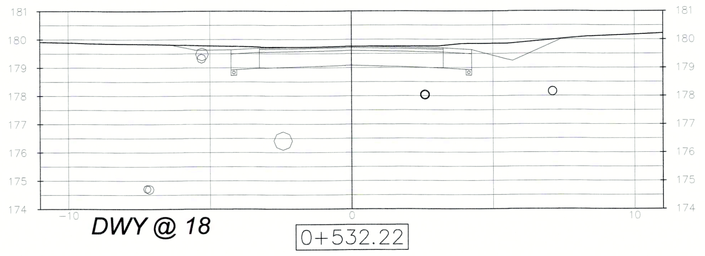
Our Focus: Your Future
FORT ERIE ONTARIO

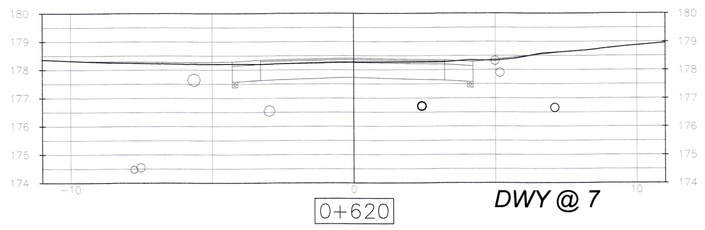
LICENSED PROFESSIONAL ENGINEER
K. M. WALSH
2023 04 06
PROVINCE OF ONTARIO

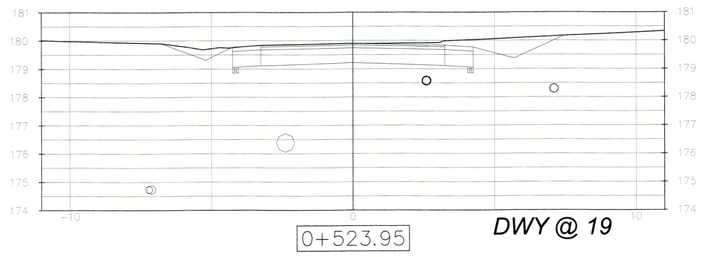
ISE-23T-LIND20
LINDBERGH DRIVE
FROM BURBANK TERRACE TO BURNS PLACE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

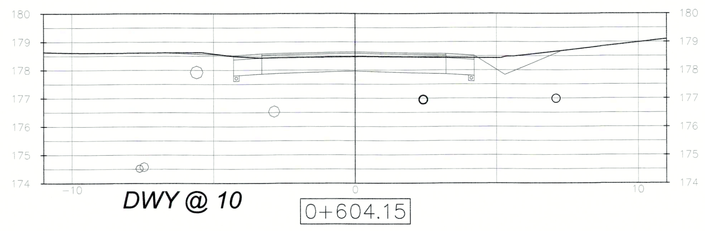
DATE	2022-02-11
SCALE	H=1:200 V=1:50
DWG No.	ISE-23T-LIND20
REV	5
SHEET	SHEETS 8 DWY SECTIONS -1

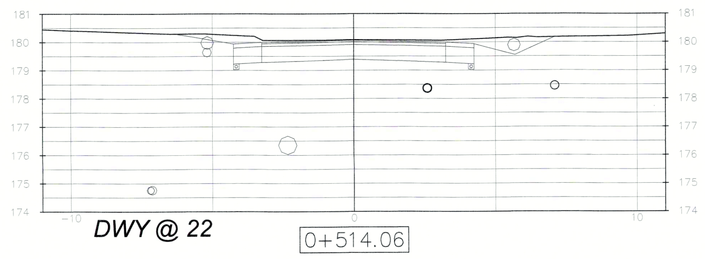
DRAWING FILE: O:\PROJECTS\PLANNING 2020\LIND20 - LINDBERGH-BURBANK\ 2020\LIND20 - 2022-02-11 ISSUED FOR REVIEW.dwg 02 2023 - 7:52pm AUTOCAD BY: Walsh

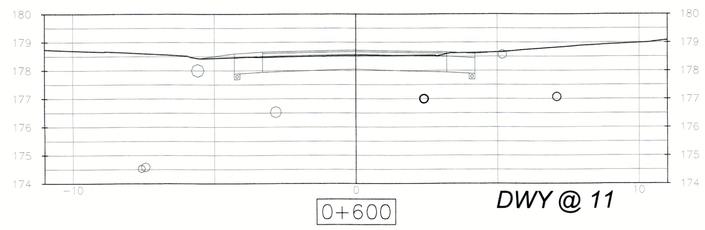


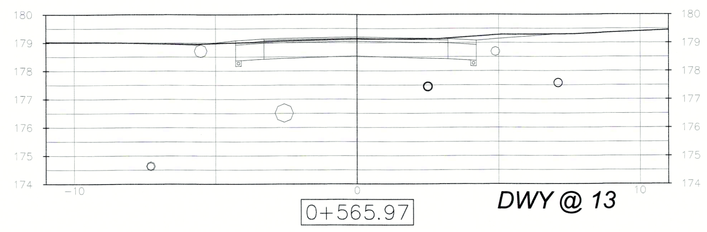


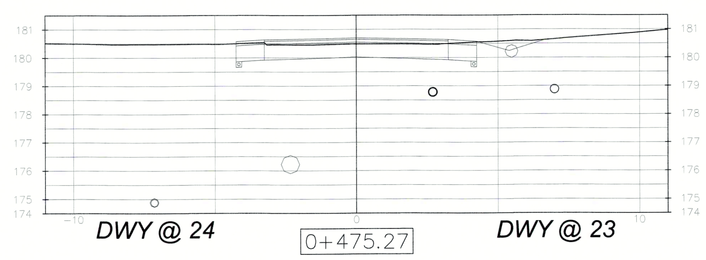


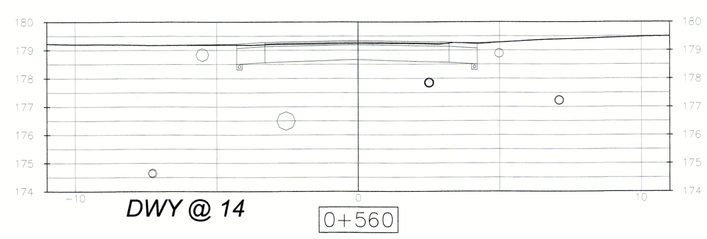


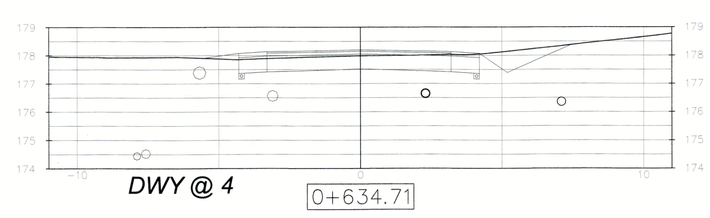


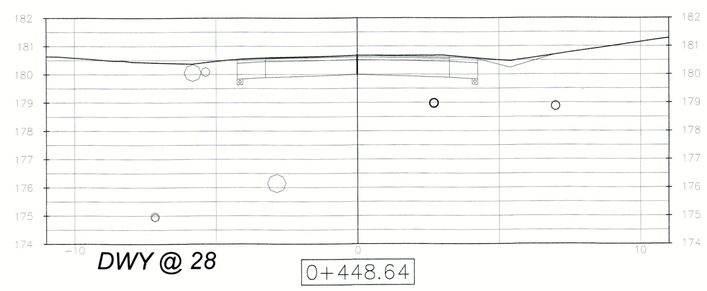


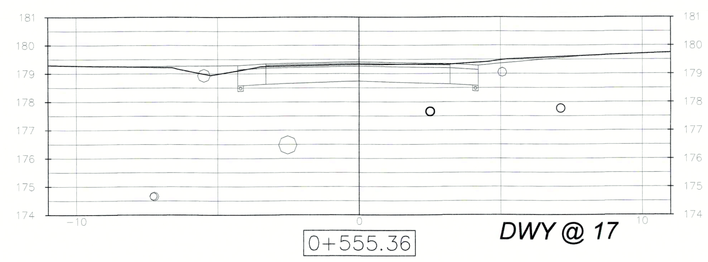


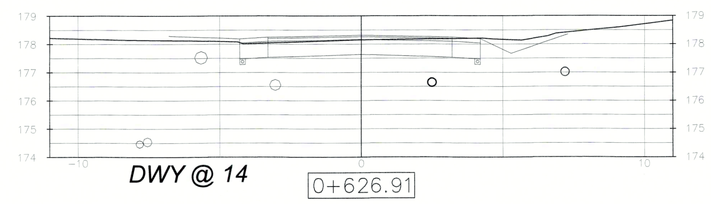












DRIVEWAY CROSS SECTIONS
STA 0+448.64 TO STA 0+626.91

NO.	REVISION	DATE	BY
6			
5	ISSUED FOR CONSTRUCTION	07/28/2023	SLB
4	ISSUED FOR TENDER	06/27/2023	SLB
3	ISSUED FOR REVIEW	05/24/2023	SLB
2	ISSUED FOR REVIEW	01/27/2023	SLB
1	ISSUED TO UTILITIES	04/27/2022	SLB

LEGEND

EXISTING		PROPOSED	
Sanitary Sewer		Sanitary Sewer	
Storm Sewer		Storm Sewer	
Watermain (Plan)		Watermain (Plan)	
Watermain (Profile)		Watermain (Profile)	
Water Valve		Water Valve	
Fire Hydrant		Fire Hydrant	
Curb Stop		Curb Stop	
		Cap	

NOTES/CLEARANCE

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN CORRECTLY ON CONTRACT DRAWINGS AND WHERE SHOWN THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE UNDERTAKEN.
3. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAWN: SLB
DESIGN: SLB
CHECKED BY: RL
APPROVED BY: KW

BENCHMARK:
SIB LOCATED AT THE NE PROPERTY LINE OF 3 BURBANK TERRACE.
NORTHING = 4755778.544
EASTING = 690645.950
ELEVATION = 180.206

FORT ERIE ONTARIO Our Focus: Your Future

KEVIN WILLIAM WOODLAND LICENSED PROFESSIONAL ENGINEER K. W. WOODLAND 100139 2023/08/08 PROVINCE OF ONTARIO

ISE-23T-LIND20
LINDBERGH DRIVE

FROM BURBANK TERRACE TO BURNS PLACE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

DATE: 2022-02-11
SCALE: H=1:200 V=1:50
REF. No.: ISE-23T-LIND20
DWG. No.: PAGE 9 DWY SECTIONS - 2
5

DRAWING FILE: G:\PROJECTS\Projects 2020\LIND20 - Lindbergh-Burbank\4 CAD\Page 9 SECTIONS DWYS 448.64 TO.dwg PLOTTED: Aug 02, 2023 - 3:56pm PLOTTED BY: Stevie

5	ISSUED FOR CONSTRUCTION	22/12/2022	SLB
4	ISSUED FOR REVIEW	22/12/2022	SLB
3	ISSUED FOR REVIEW	22/12/2022	SLB
2	ISSUED TO UTILITIES	22/12/2022	SLB
1	ISSUED FOR REVIEW	22/12/2022	SLB
REVISION		DATE	BY

LEGEND

EXISTING

PROPOSED

- Boundary Tower
- Bollard
- Retaining Wall (Height)
- Retaining Wall (Type)
- Fire Hydrant
- Curb Stop
- Sanitary Sewer
- Storm Sewer
- Water Main
- Fire Hydrant
- Curb Stop

NOTES/LEGEND

1. THE POSITION OF ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS SHOWN ARE APPROXIMATE AND NOT GUARANTEED TO BE COMPLETE. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND OBSTRUCTIONS BEFORE COMMENCING ANY WORK. NOTIFY ALL UTILITIES AND OWNERS OF UTILITIES AND OBSTRUCTIONS WHICH MAY BE AFFECTED BY THE WORK AND ARRANGE FOR THEIR PROTECTION OR REMOVAL AND RESTORATION. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RELEVANT ITEMS.
2. EXISTING TREES TO BE PROTECTED AS PER CONSERVATION AUTHORITY REQUIREMENTS. ALL TREES TO BE PROTECTED SHALL BE MARKED AND FENCED OFF AT THE DRIP LINE OR AS DIRECTED BY THE CONSERVATION AUTHORITY REPRESENTATIVE. NO EXCAVATION, GRADING, STORAGE OF MATERIALS OR PARKING OF VEHICLES SHALL BE PERMITTED WITHIN THE FENCED AREA. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE CONSERVATION AUTHORITY REPRESENTATIVE.
3. ALL WORK SHALL CONFORM TO THE CITY OF PORT ERIE STANDARDS AND SPECIFICATIONS AND THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
4. ALL EXISTING ROAD SURFACES, CURBS, SIDEWALKS, ETC. DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY OF PORT ERIE.
5. ALL EXISTING SERVICES SHALL BE LOCATED PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING SERVICES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. ALL EXISTING MANHOLES, CATCHBASINS AND VALVE BOXES SHALL BE ADJUSTED TO GRADE AS REQUIRED.
7. ALL DISTURBED AREAS SHALL BE TOPSOILED AND SODDED.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
9. ALL EXISTING UTILITIES SHALL BE LOCATED PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
10. ALL EXISTING MANHOLES, CATCHBASINS AND VALVE BOXES SHALL BE ADJUSTED TO GRADE AS REQUIRED.
11. ALL DISTURBED AREAS SHALL BE TOPSOILED AND SODDED.
12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.

THIS DRAWING IS THE PROPERTY OF THE CORPORATION OF THE CITY OF PORT ERIE AND MAY NOT BE REPRODUCED OR USED WITHOUT THE PERMISSION OF THE CITY OF PORT ERIE.

DRAWING NO. 1

DESIGN: SLB

DRAWN: ELB

CHECKED: BH

APPROVED: BH

SITE

BENCHMARK

SW CORNER OF THE PROPERTY LINE OF
LINDBERGH DRIVE AND
EASTING - 1755778.544
NORTHING - 4655967.282
ELEVATION - 180.206

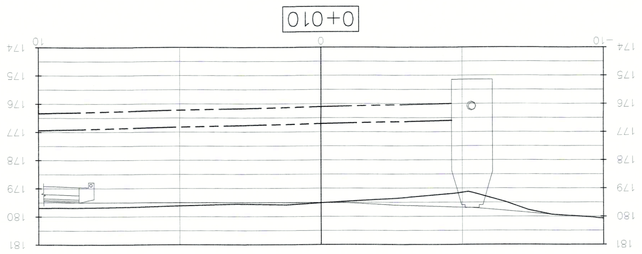
FORT ERIE
ONTARIO
Our Focus: Your Future

M. WALSH
2022-12-11
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

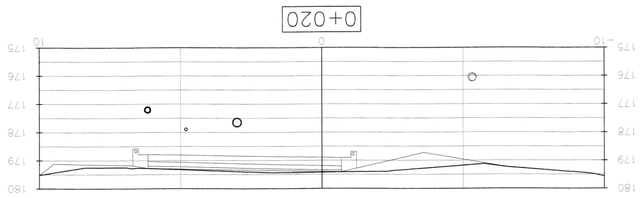
ISE-23T-LIND20
LINDBERGH DRIVE
FROM BOWEN ROAD TO LINDBERGH DRIVE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

DATE:	2022-02-11
SCALE:	H=1:200 V=1:50
DWG No.:	ISE-23T-LIND20
PAGE - 10 STATION SECTIONS	5

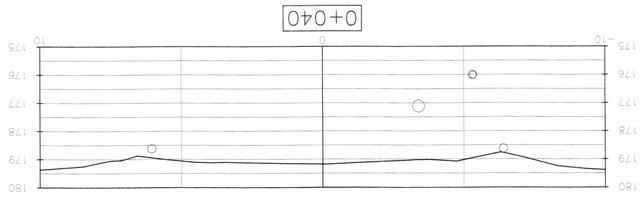
0+010



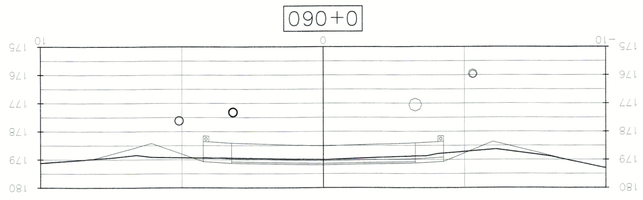
0+020



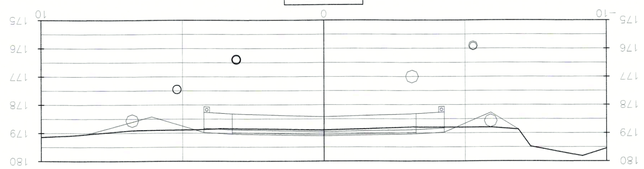
0+040



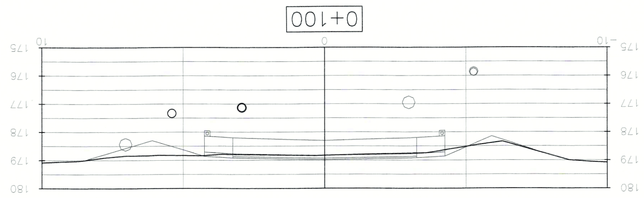
0+060



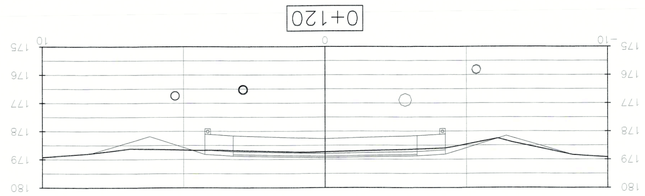
0+080



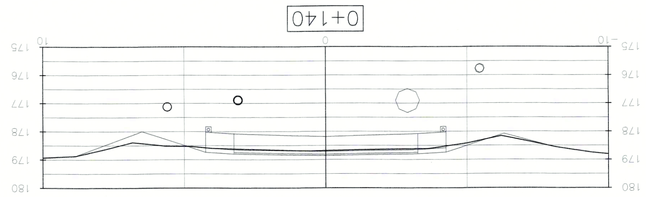
0+100



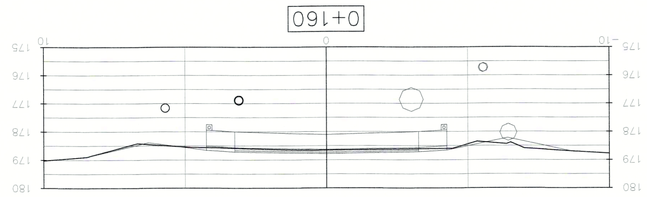
0+120



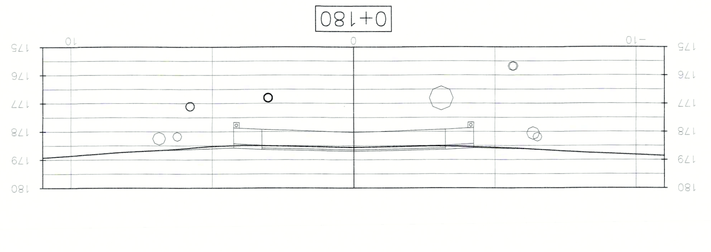
0+140



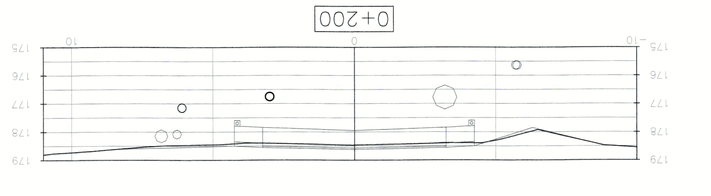
0+160



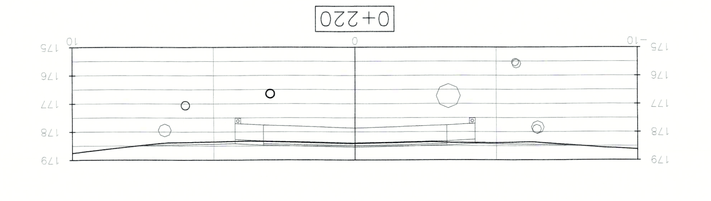
0+180



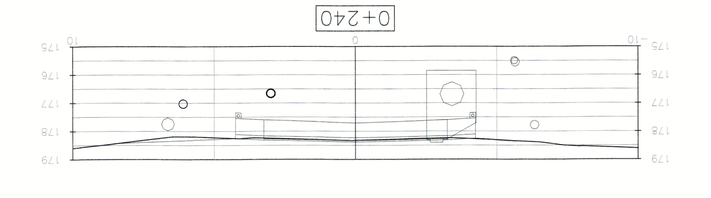
0+200



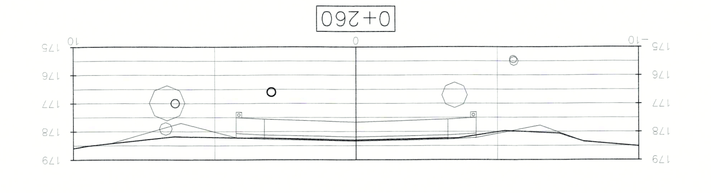
0+220



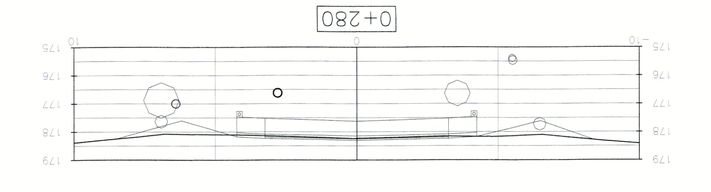
0+240



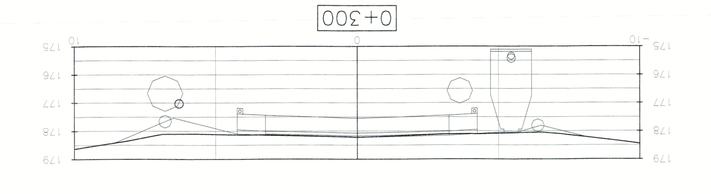
0+260



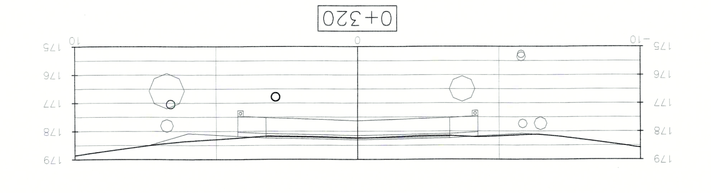
0+280



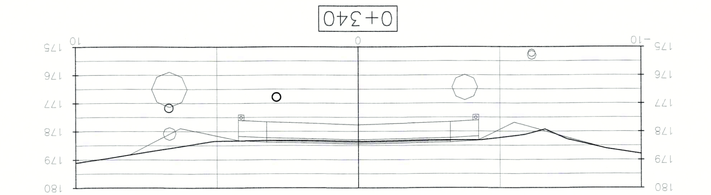
0+300



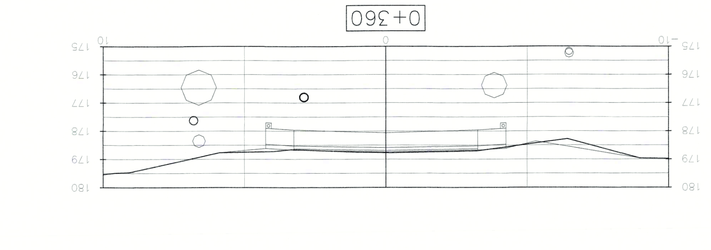
0+320



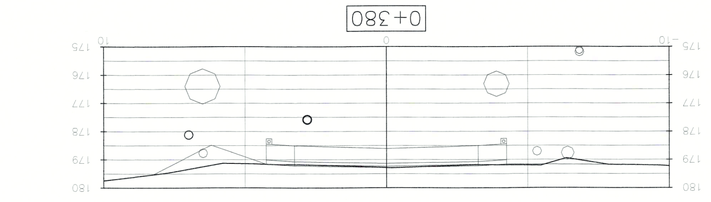
0+340



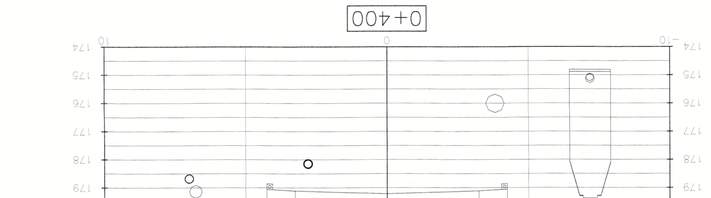
0+360



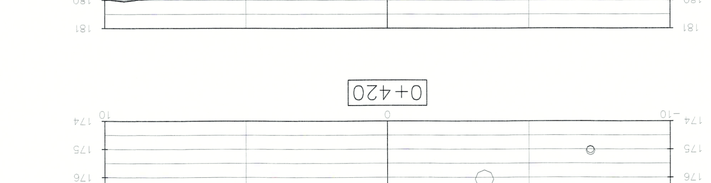
0+380



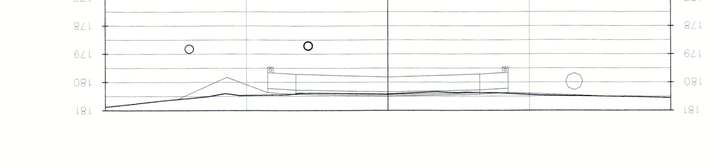
0+400



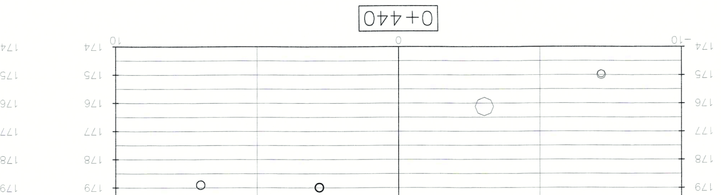
0+420



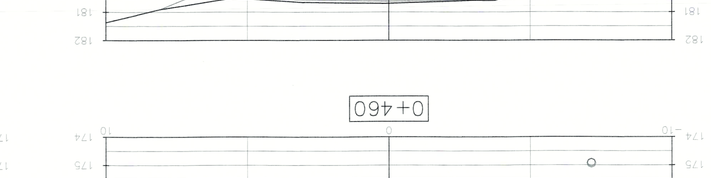
0+440



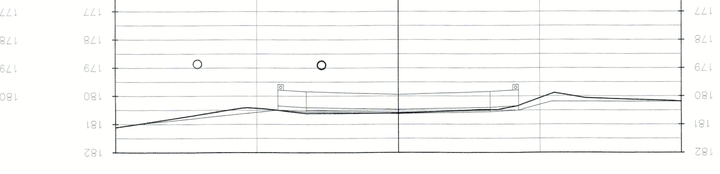
0+460



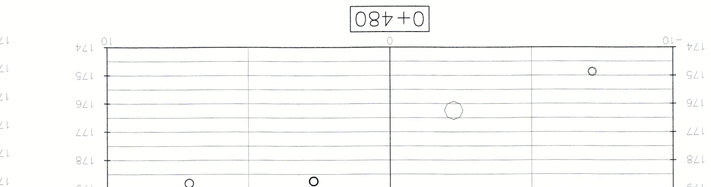
0+480



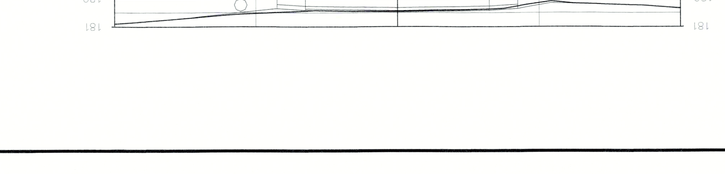
0+500



0+520



0+540

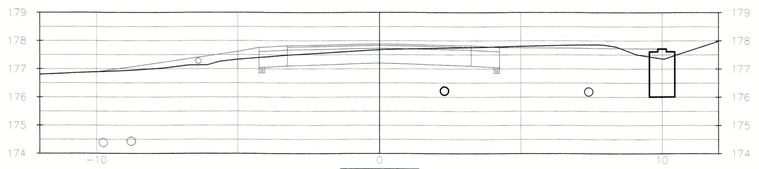


0+560

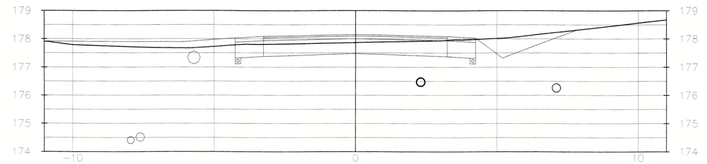
0+580

0+600

0+620



0+660



0+640

NO.	REVISION	DATE	INIT.
5	ISSUED FOR CONSTRUCTION	07/28/2023	SLB
4	ISSUED FOR TENDER	06/27/2023	SLB
3	ISSUED FOR REVIEW	06/24/2023	SLB
2	ISSUED FOR REVIEW	01/27/2023	SLB
1	ISSUED TO UTILITIES	04/27/2022	SLB

LEGEND

EXISTING		PROPOSED	
	Sanitary Sewer		Sanitary Sewer
	Storm Sewer		Storm Sewer
W	Watermain (Plan)	W	Watermain (Plan)
W	Watermain (Profile)	W	Watermain (Profile)
W	Water Valve	W	Water Valve
	Fire Hydrant		Fire Hydrant
	Curb Stop	C	Curb Stop
			Cap

NOTES/LEGEND

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR SHALL SATISFY HIMSELF/HERSELF AS TO THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT GUARANTEED AND MAY BE ALTERED OR LOST BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAFTING: SLB
DESIGN: SLB
CHECKED BY: RL
APPROVED BY: KW

BENCHMARK:

SIB LOCATED AT THE NE PROPERTY LINE OF
5 BURBANK TERRACE

NORTHING = 4755729.544
EASTING = 660940.062
ELEVATION = 180.205

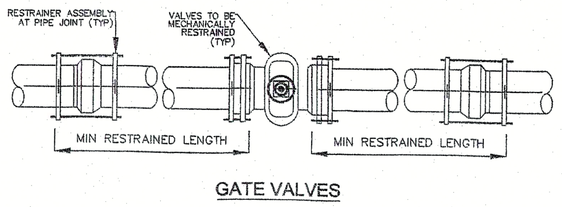
FORT ERIE ONTARIO
Our Focus: Your Future

PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO
LICENSED
2023 08 14

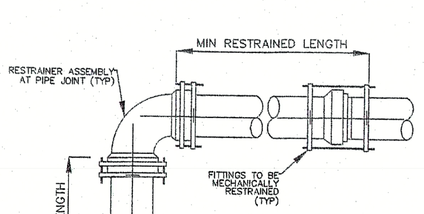
ISE-23T-LIND20
LINDBERGH DRIVE

FROM BOWEN ROAD TO LINDBERGH DRIVE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

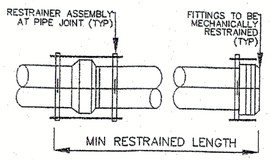
DATE: 2022-02-11
SCALE: H=1:200 V=1:50
REF. No.: ISE-23T-LIND20
DWG. No.: P11 - STATION SECTIONS
5



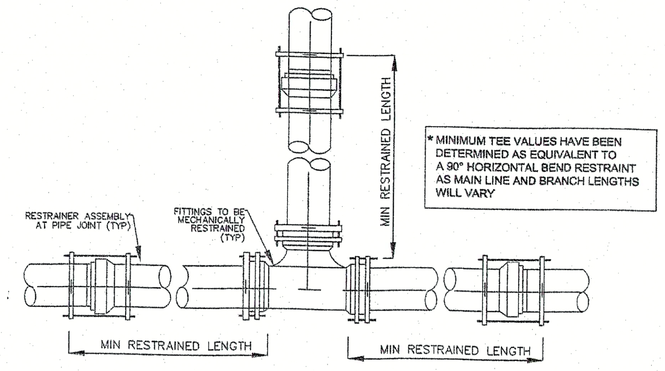
GATE VALVES



90° /BENDS

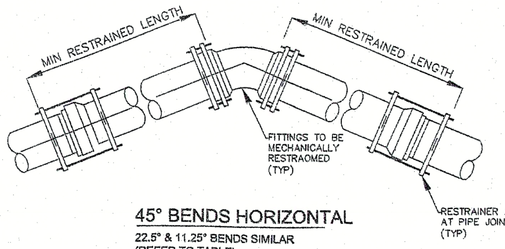


PLUGS OR CAPS (DEAD END)



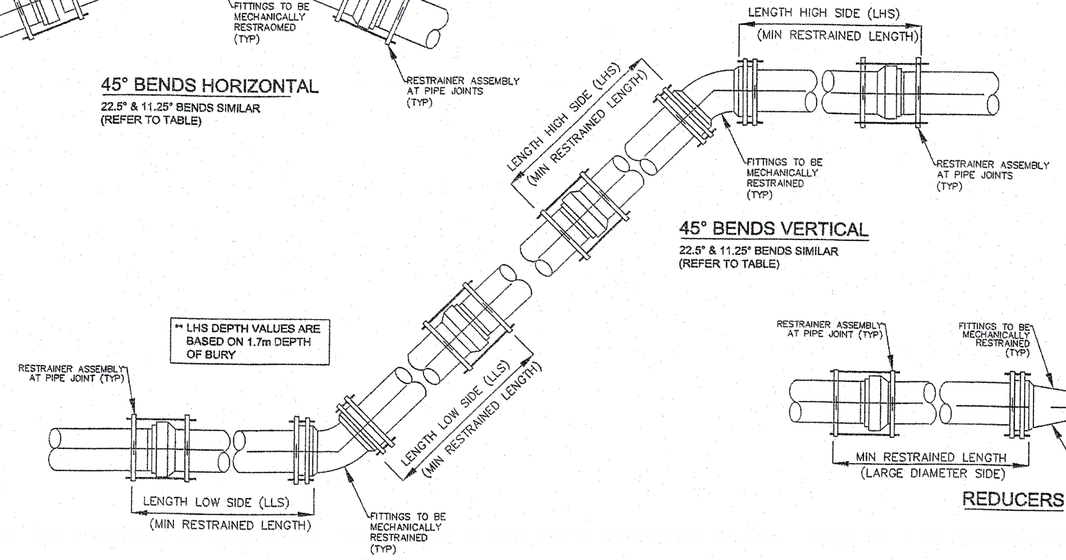
TEES

* MINIMUM TEE VALUES HAVE BEEN DETERMINED AS EQUIVALENT TO A 90° HORIZONTAL BEND RESTRAINT AS MAIN LINE AND BRANCH LENGTHS WILL VARY



45° BENDS HORIZONTAL

22.5° & 11.25° BENDS SIMILAR
(REFER TO TABLE)



45° BENDS VERTICAL

22.5° & 11.25° BENDS SIMILAR
(REFER TO TABLE)

REDUCERS

MINIMUM RESTRAINING LENGTH (m) TABLE	PIPE DIAMETER (mm)					
DESCRIPTION	100mmø	150mmø	200mmø	250mmø	300mmø	400mmø
VALVES, DEAD ENDS, CAPS, PLUGS Either side of valves and before caps or plugs	7.5	10.5	13.5	16.0	19.0	7.5
TEES* Size on Size or reducing tees	3.0	3.5	4.5	5.5	12.5a	3.0
HORIZONTAL BENDS 11.25° bends 22.5° bends 45° bends 90° bends	 0.5 1.0 1.5 3.0	 0.5 1.0 1.5 3.5	 1.0 1.5 2.0 4.5	 1.0 1.5 2.5 5.5	 1.0 1.5 3.0 12.5a	 0.5 1.0 1.5 3.0
45° VERTICAL BENDS** Length High Side – LHS (Based on 1.7m cover) Length Low Side – LLS (Depth greater than or equal to 1.7m)	 3.5 1.5	 4.5 1.5	 6.0 2.0	 7.0 2.5	 8.0 3.0	 3.5 1.5
22.5° & 11.25° VERTICAL BENDS Length High Side – LHS (Based on 1.7m cover) Length Low Side – LLS (Depth greater than or equal to 1.7m)	1.5 1.0	2.5 1.0	3.0 1.5	3.5 1.5	4.0 1.5	1.5 1.0

REDUCERS	LARGE DIAMETER SIDE (mm)					
SMALL DIAMETER SIDE (mm)	100°	150°	200°	250°	300°	400°
100ø	N/A	5.5	10.0	13.0	16.5	23.0
150ø	N/A	N/A	6.0	10.0	14.0	21.0
200ø	N/A	N/A	N/A	5.5	10.5	18.0
250ø	N/A	N/A	N/A	N/A	6.0	15.0
300ø	N/A	N/A	N/A	N/A	N/A	10.5
400ø	N/A	N/A	N/A	N/A	N/A	N/A

TABLE VALUES BASED UPON EBAA "CL Granular)" SOIL TYPES
(Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, leans clays–backfilled with granular material)

a) 300ø and 400ø pipe diameter table values for 90° bends and tees have been increased to 12.5m MINIMUM LENGTHS.

NOTE:
1. Restraint assembly at pipe joints to be EBBA Iron 1900 Split Serrated Restraint Harness or approved equivalent.
2. Mechanical joint restraint to be EBBA Iron 2000PV Megalug Mechanical Joint Restraint of approved equivalent.

NO.	REVISION	DATE	INIT.
5	ISSUED FOR CONSTRUCTION	01/28/2023	SLB
4	ISSUED FOR TENDER	08/27/2022	SLB
3	ISSUED FOR REVIEW	05/24/2022	SLB
2	ISSUED FOR REVIEW	01/27/2022	SLB
1	ISSUED TO UTILITIES	04/27/2021	SLB

LEGEND

EXISTING: Sanitary Sewer; Storm Sewer; Watermain (Main); Watermain (Hydrants); Water Valve; Fire Hydrant; Curb Stop

PROPOSED: Sanitary Sewer; Storm Sewer; Watermain (Main); Watermain (Hydrants); Water Valve; Fire Hydrant; Curb Stop; Cap

NOTES/LEGEND

1. THE POSITION OF ROAD LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND THEIR EXACT LOCATION OR THE EXACT POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. THIS DRAWING IS FOR CONSTRUCTION PURPOSES ONLY. THE TOWN OF FORT ERIE ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

DRAFTING	SLB
DESIGN	SLB
CHECKED BY	RL
APPROVED BY	KW

BENCHMARK:

SIB LOCATED AT THE NE PROPERTY LINE OF 5 BURGANDY TERRACE

NORTHING = 4739278.544
EASTING = 665045.262
ELEVATION = 190.206

FORT ERIE ONTARIO — Our Focus: Your Future

LICENCED PROFESSIONAL ENGINEER — K. M. WILSON — PROVINCE OF ONTARIO

ISE-23T-LIND20
LINDBERGH DRIVE

FROM BOWEN ROAD TO LINDBERGH DRIVE
TOWN OF FORT ERIE
INFRASTRUCTURE IMPROVEMENTS

DATE	2022-02-11
SCALE	H=1:200 V=1:50
REF. No.	ISE-23T-LIND20
DWG No.	MECHANICAL RESTRAINTS PG-12
REV.	5

DRAWING FILE: C:\CAD HOME CONS\Lindberg_Burbank\Burbank_Lindbergh_Alvin_Buma Gutteri working.dwg PLOTTED: Jul 25, 2022 - 7:43am PLOTTED BY: Stacco