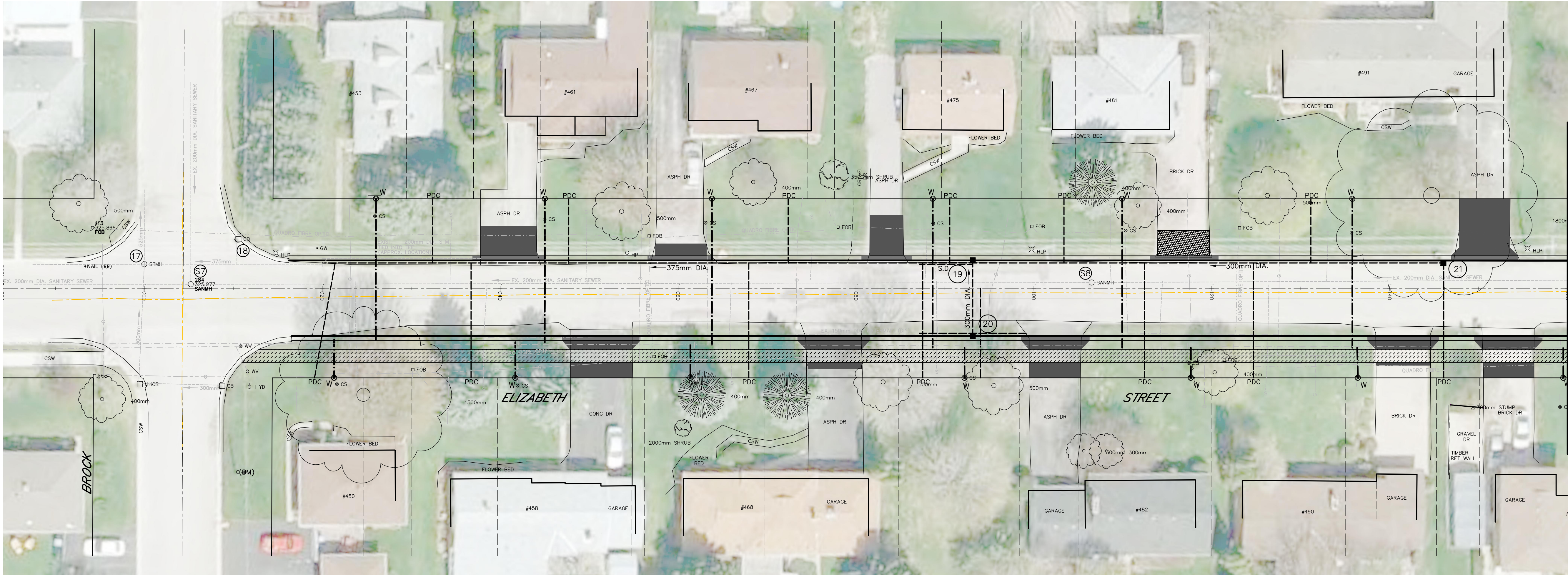
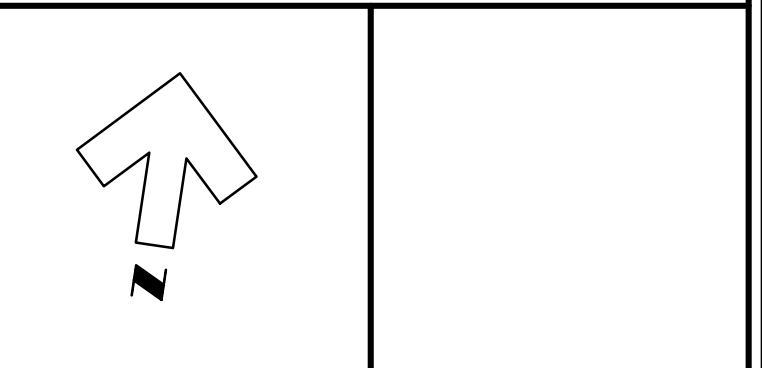
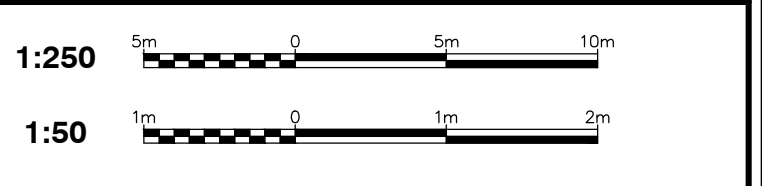




LEGEND

---	SAN. or STM.	---	EXISTING SEWERS, SANITARY or STORM
○	M.H. CS.	○	MANHOLE and CATCHBASIN
---	W	---	WATERMAIN
---	G	---	GASMAIN
---	T	---	UNDERGROUND TELEPHONE
---	H	---	UNDERGROUND HYDRO
---	TV	---	UNDERGROUND T.V. CABLE
H, B, T, H-B, LP	○	---	UTILITY POLES
---	GRUBBING	---	GRUBBING
---	REMOVE EXISTING CONC. SIDEWALK AND DRIVES	---	REMOVE EXISTING CONC. SIDEWALK AND DRIVES
---	REMOVE AND PLACE CONC. SIDEWALK AND DRIVES	---	REMOVE AND PLACE CONC. SIDEWALK AND DRIVES
---	PLACE CONC. SIDEWALK AND DRIVES	---	PLACE CONC. SIDEWALK AND DRIVES
---	REMOVE EXISTING ASPHALT PAVT	---	REMOVE EXISTING ASPHALT PAVT
---	PLACE HOT MIX ASPHALT (DRIVES 300mm DIA. HOT MIX MISC.)	---	PLACE HOT MIX ASPHALT (DRIVES 300mm DIA. HOT MIX MISC.)
---	REMOVE EXISTING CONC. CURB	---	REMOVE EXISTING CONC. CURB



NOTE
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BENCHMARK INFORMATION
BM Elev. 327.034
Mag Nail and Flag in N. Face of HP at SE. Cor of Elizabeth Street and Brock Street

BENCHMARK INFORMATION

Design By: DLA Checked By: DLA

PRELIMINARY

No.	DATE	REVISION
1	Oct. 29/20	Prepared for open house

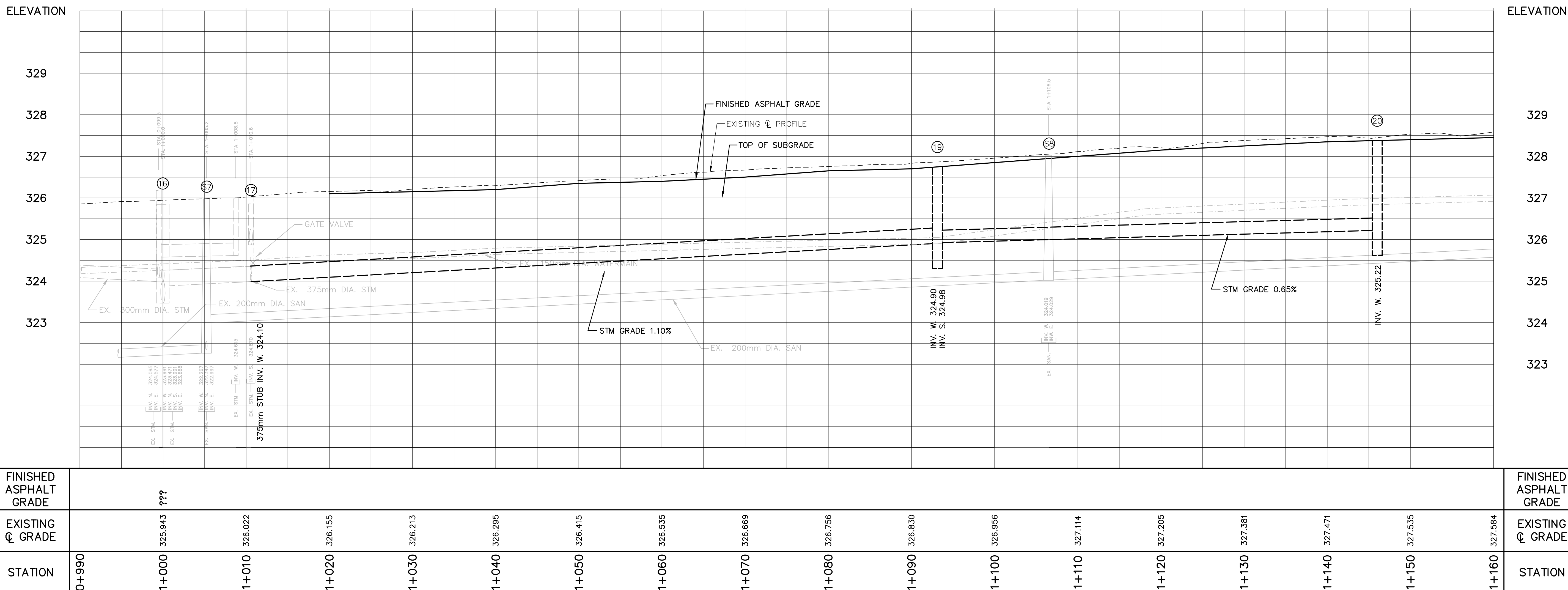


Goderich Mount Forest Sarnia

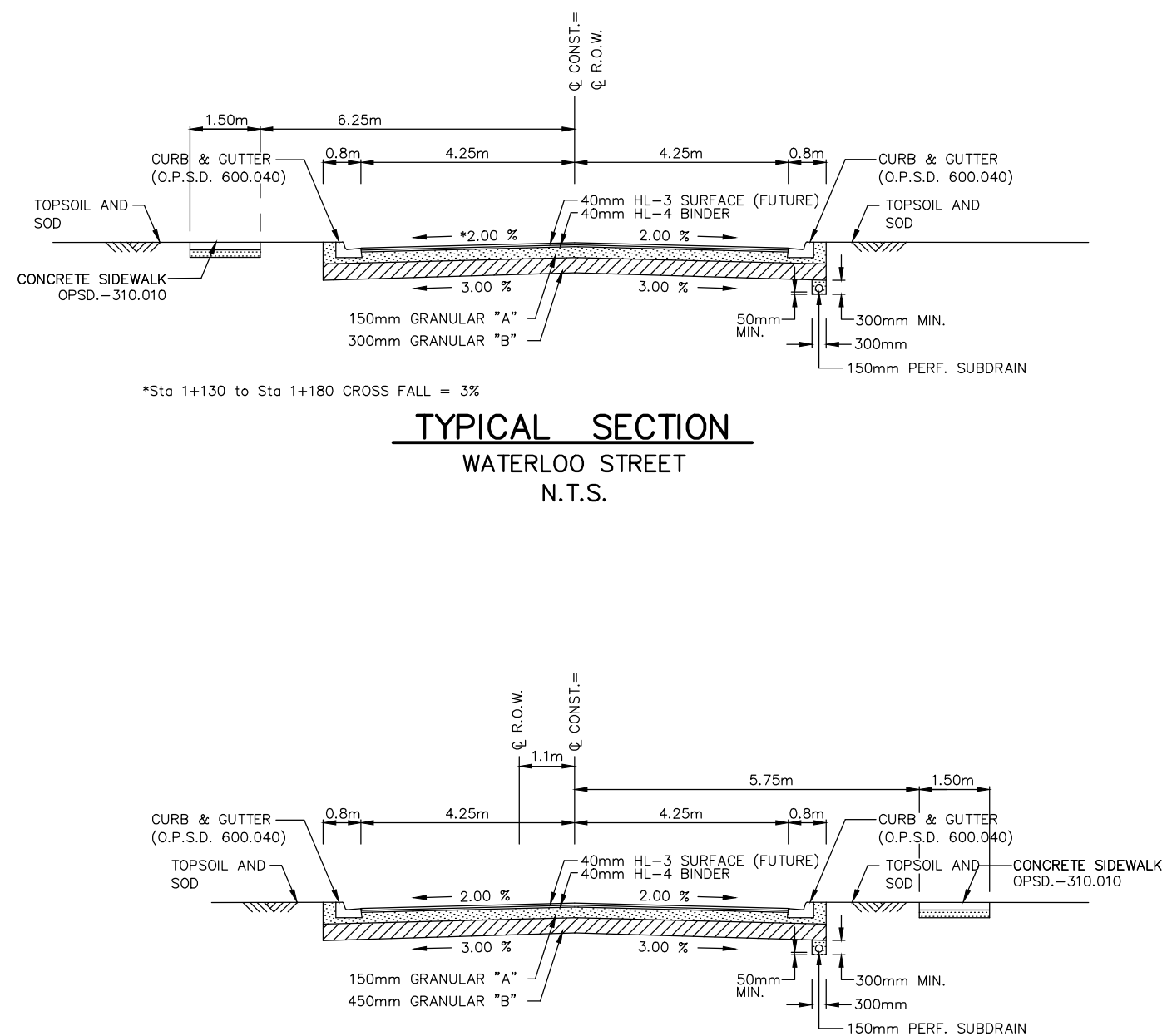
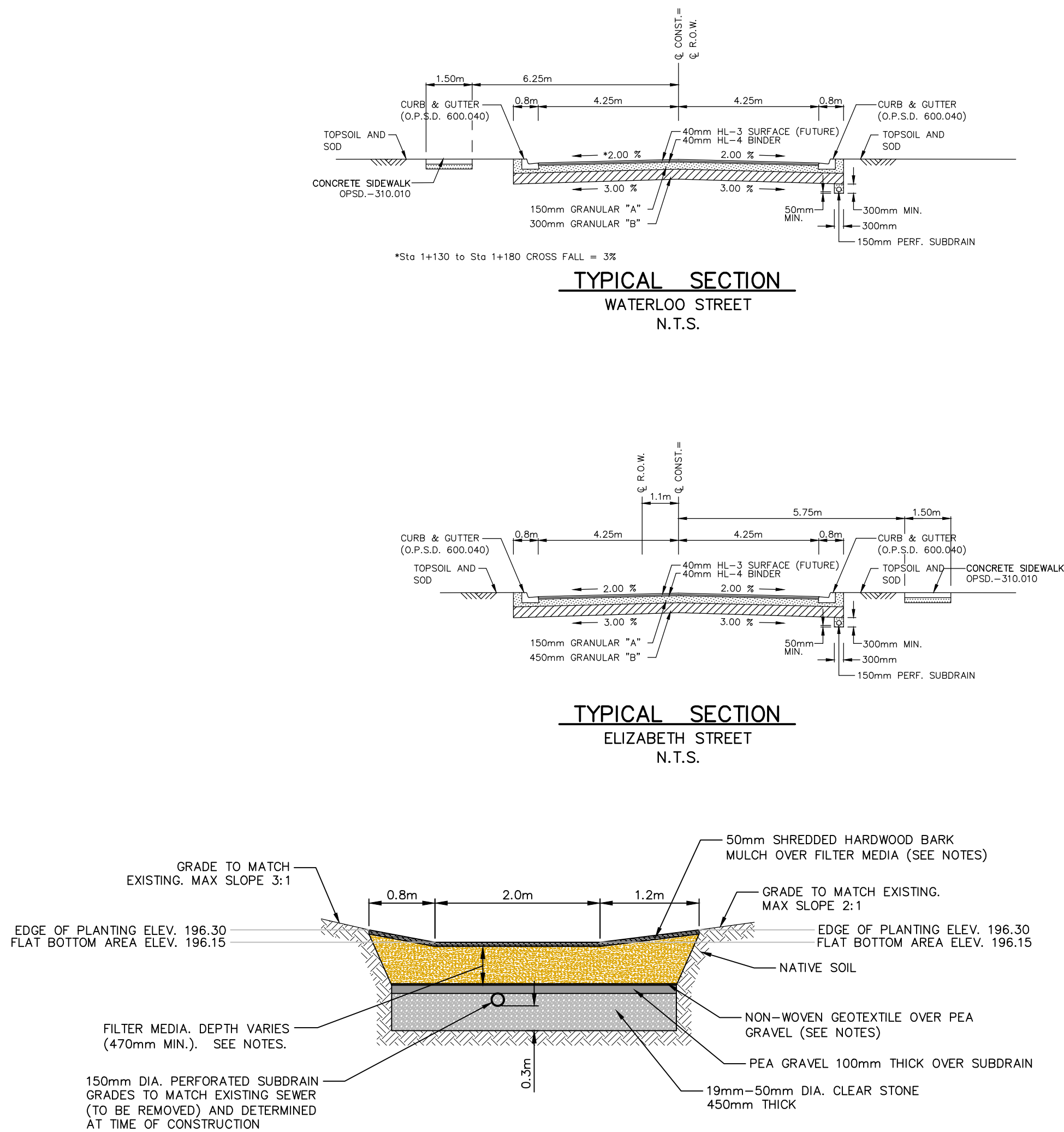


Town of St. Marys
Elizabeth Street Reconstruction
Plan and Profile
From Brock St to Sta. 1+160

Contract No. ?	Project No. 20012
Scale (24x36) Horizontal : 1 : 250 Vertical : 1 : 50	Drawing No. 3 of 4



FINISHED ASPHALT GRADE	???	FINISHED ASPHALT GRADE
EXISTING C. GRADE	325.943	326.022
STATION	1+000	1+010
	1+020	1+030
	1+040	1+050
	1+060	1+070
	1+080	1+090
	1+100	1+110
	1+120	1+130
	1+140	1+150
	1+160	327.584
STATION	1+000	1+160

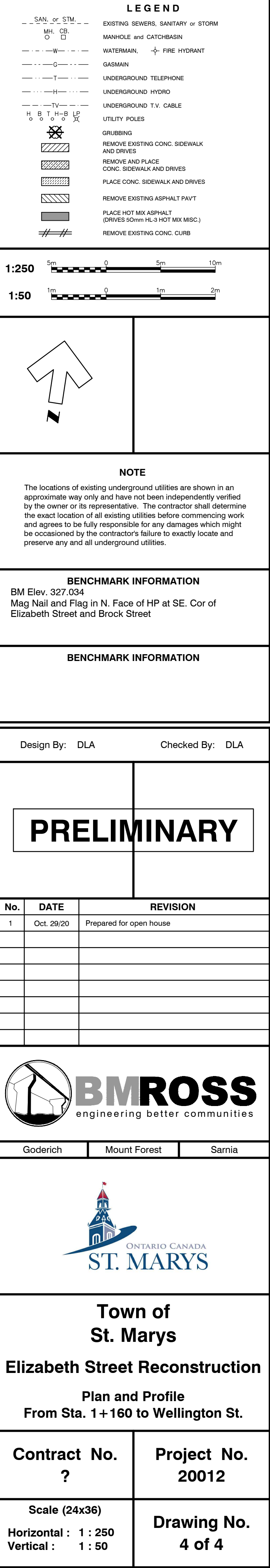


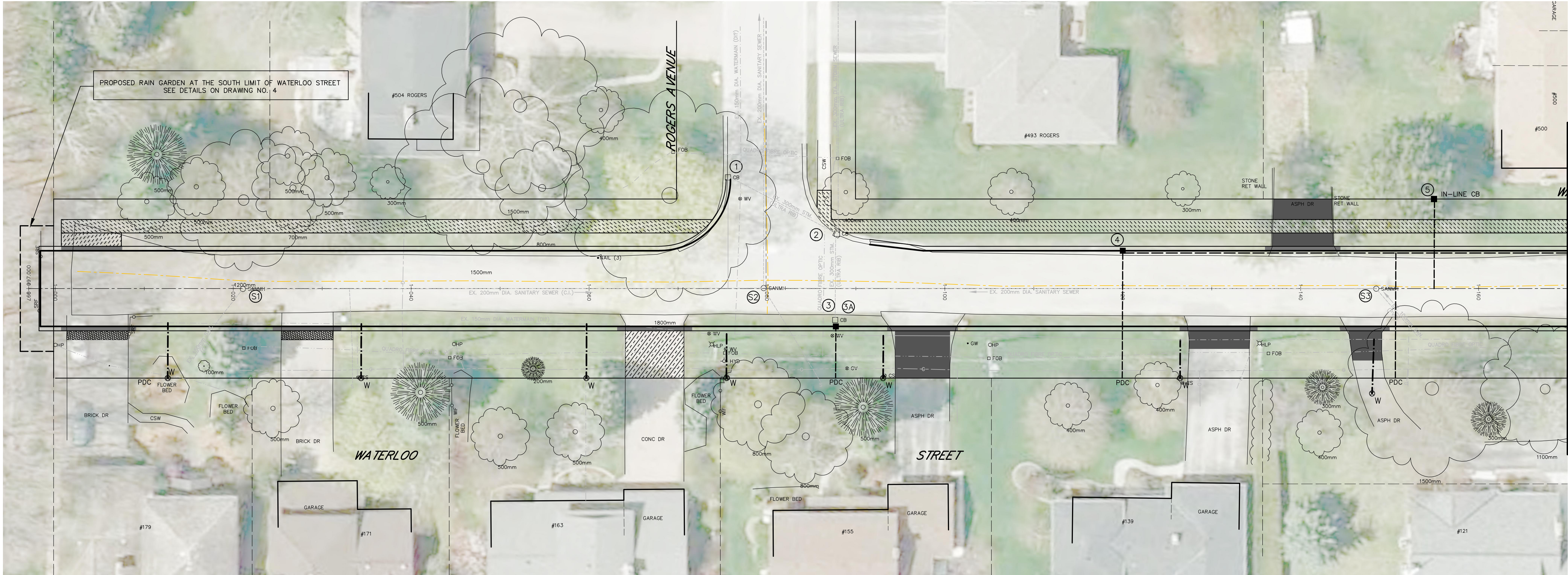
M.H. & C.B. DATA			
No	Station	O/S	Desc.
1	1+075.6	LT	EX
2	1+087.7	LT	ADJUST
2A			705.010
3	1+087.9	RT	RELOCATE
3A			705.010
4	1+120	LT	705.010
5	1+155	LT	IN—LINE
6	1+192.5	RT	705.020
7	1+192.5	LT	705.010
8	1+194.4	LT	701.010
9	1+194.4	RT	705.020
10	1+255	LT	701.010
11	1+255	RT	705.010
12	1+312.2	LT	REMOVE
13	1+314.2	LT	REMOVE
14	1+317.5	LT	701.010
15	1+317.5	LT	705.010
16	1+324.9	LT	EX
17	1+000	LT	EX
18	1+010.3	LT	EX
19	1+093	LT	701.010
20	1+093	RT	705.010
21	1+146	LT	705.010

SEWER		DATA		
No to No	Size	Type	Class	Length
4 - 8	300	PVC	SDR-35	74.4
6 - 7	300	PVC	SDR-35	8.5
7 - 8	300	PVC	SDR-35	8.7
8 - 9	300	PVC	SDR-35	8.2
8 - 10	375	PVC	SDR-35	60.6
10 - 11	300	PVC	SDR-35	8.5
10 - 14	375	PVC	SDR-35	62.5
14 - 15	300	PVC	SDR-35	8.5
14 - 16	450	PVC	SDR-35	7.4
STUB-19	375	PVC	SDR-35	73.1
19 - 20	300	PVC	SDR-35	8.5
19 - 21	300	PVC	SDR-35	53.3

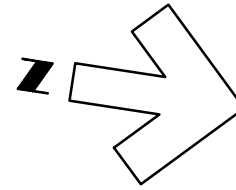
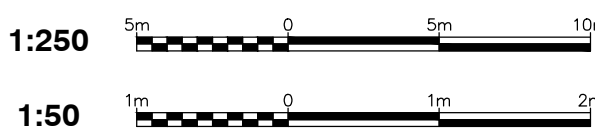


- NOTES: (APPLICABLE FOR ALL DRAWINGS)
1. WATER SERVICE REPLACEMENTS:
 - MAIN STOPS TO BE RE-USED
 - ADAPTERS MAY BE REQUIRED
 - UNEXCISED SERVICE PIPE TO BE USED
 - ANODES TO BE INSTALLED ON MAIN STOP
 - IF EXISTING SERVICE IS 1516MM (6"), SERVICE TO BE REPLACED
 - IF MAIN STOP IS NOT OPERATIONAL, MAIN STOP TO BE ABANDONED AND A NEW MAIN STOP TAPPED
 2. WATERMAIN AND SEWERS INSTALLED IN PARALLEL SHALL HAVE A MINIMUM SEPARATION OF 2.5m HORIZONTAL FROM PIPE EDGE TO PIPE EDGE.
- AT CROSSINGS, WATERMANS SHALL PASS OVER SEWERS UNLESS SHOWN OR NOTED OTHERWISE. WHERE THE WATERMAIN AND SEWER CROSS, SUFFICIENT VERTICAL SEPARATION SHALL BE PROVIDED FOR THE STRUCTURAL SUPPORT OF EACH PIPE. WHERE THE WATERMAIN IS NOTED OR SHOWN TO PASS UNDER A SEWER, 500mm OF VERTICAL SEPARATION IS REQUIRED BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATERMAIN. ADDITIONALLY, A LENGTH OF WATERMAIN PIPE SHALL BE CENTRED AT THE POINT OF CROSSING SUCH THAT THE WATERMAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING.
3. NO WATER SERVICE COUPLERS WILL BE PERMITTED UNDER THE ROADWAY. DAMAGED WATER SERVICES SHALL BE REPLACED BY THE CONTRACTOR FROM THE MAIN STOP TO THE CURB STOP WITH NO JOINTS IN THE SERVICE PIPING.
 4. PROPOSED SERVICE LOCATIONS TO BE CONFIRMED WITH THE PROPERTY OWNER AT THE TIME OF CONSTRUCTION. SERVICE LOCATIONS HAVE NOT BEEN CONFIRMED DURING DESIGN. EXISTING SERVICES TO BE RECONNECTED AT THE PROPERTY LINE.
 5. EXISTING DRAINS ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED TO THE PROPOSED STORM SEWER USING MANUFACTURED FITTINGS.
 6. ALL EXISTING SEWERS, DRAINS, MAINS AND STRUCTURES WHICH WILL BE REPLACED / DECOMMISSIONED SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, AT AN APPROPRIATE DISPOSAL SITE OUTSIDE THE CONTRACT LIMITS.
 7. MINIMUM 1X CATCHBASIN LATERAL GRADE UNLESS OTHERWISE APPROVED BY THE CONTRACT ADMINISTRATOR.
 8. CATCHBASINS AND MAINTENANCE HOLES IN ROADWAY AND CURB LINES TO BE SET TO BASE ASPHALT GRADE IN FIRST YEAR OF CONSTRUCTION AND ADJUSTED TO FINISHED GRADE AT A LATER DATE. STRUCTURE TO BE RAMMED WITH ASPHALT AND TEMPORARY DRAINS PROVIDED.
 9. THE CONTRACTOR SHALL PROTECT AND SUPPORT EXISTING SEWERS, WATERMANS, STRUCTURES, UTILITIES, PIPES AND CONDUITS DURING CONSTRUCTION TO THE SATISFACTION OF THE UTILITY OWNER. ANY EXCAVATION NEAR GASMAINS REQUIRES AN ENBRIDGE GAS OBSERVER ON SITE. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS FOR INDIVIDUAL REQUIREMENTS.
 10. MINIMUM CONCRETE GUTTER GRADE TO BE 0.5% AND OUTLET TO A CB/CBMH, INCLUDING ALL CURBED INTERSECTION RADII.
 11. HOT MIX MISCELLANEOUS GRADE BE 50mm HL-3, PLACED AT A DEPTH OF 50mm UNLESS OTHERWISE STATED.
 12. ALL DISTURBED PROPERTY BARS SHALL BE REINSTATE BY AN ONTARIO LAND SURVEYOR (O.L.S.).
 13. PRIVATE DRIVE CONNECTIONS (PDC) TO BE LOCATED IN LAWN AREAS. PDC TO BE MIN. 1.5m FROM LOT LINE, WHERE POSSIBLE AND MINIMUM 2.5m FROM WATER LINES.
 14. THE CONTRACTOR SHALL MAINTAIN FLOWS FROM THE EXISTING STORM SEWER AT ALL TIMES.
 15. NO TRACKED EQUIPMENT ARE ALLOWED ON UPPER BINDER OR SURFACE COURSE ASPHALT.





- LEGEND**
- SAN. or STM. --- EXISTING SEWERS, SANITARY or STORM
 - MANH. CB. --- MANHOLE and CATCHBASIN
 - WATERMAIN --- WATERMAIN
 - GASMAIN --- GASMAIN
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Mag Nail and Flag in N. Face of HP at SE. Cor of Elizabeth Street and Brock Street

BENCHMARK INFORMATION

Design By: DLA Checked By: DLA

PRELIMINARY

No.	DATE	REVISION
1	Oct. 29/20	Prepared for open house



Goderich Mount Forest Sarnia



Town of St. Marys

Waterloo Street Reconstruction

Plan and Profile
from Sta. 1+000 to Sta. 1+170

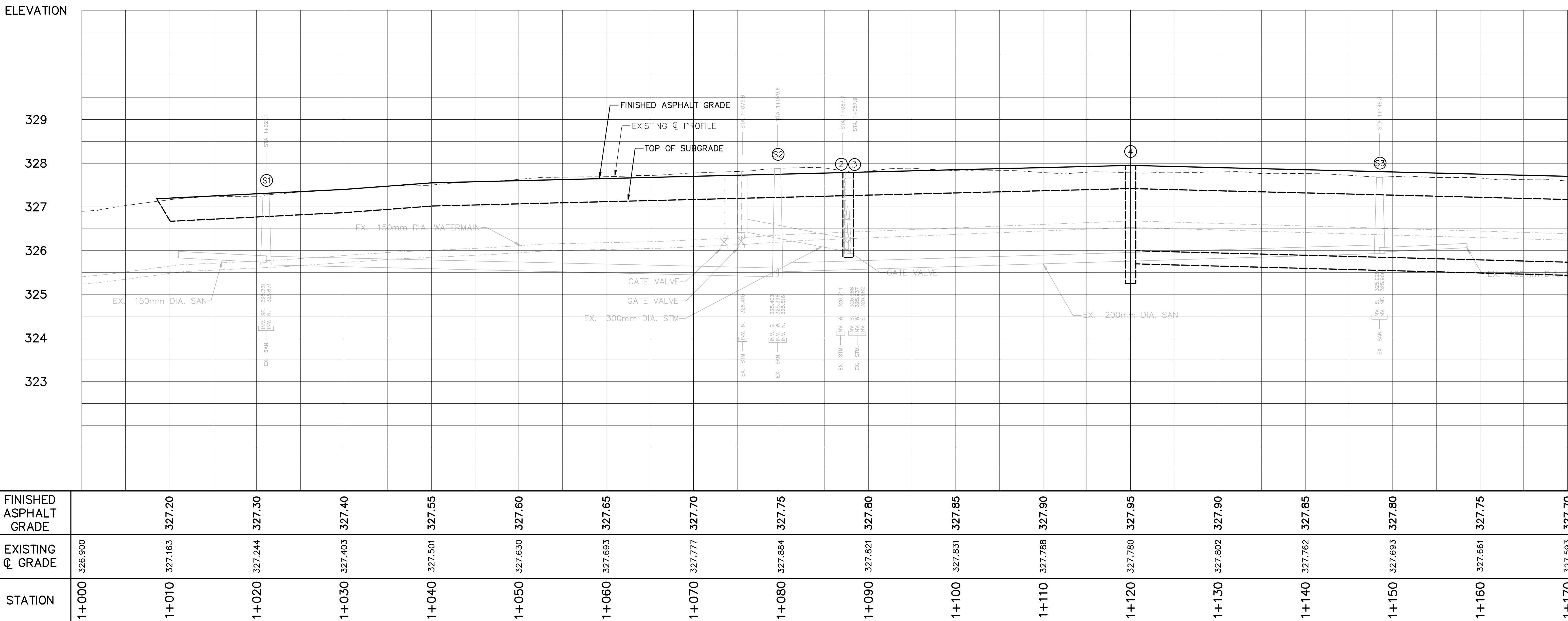
Contract No.
?

Project No.
20012

Scale (24x36)
Horizontal : 1 : 250
Vertical : 1 : 50

Drawing No.
1 of 4

ELEVATION



ELEVATION

FINISHED ASPHALT GRADE		327.20	327.30	327.40	327.55	327.60	327.65	327.70	327.75	327.80	327.85	327.90	327.95	327.90	327.85	327.80	327.75	327.70
EXISTING C GRADE	326.900	327.163	327.244	327.403	327.501	327.630	327.693	327.777	327.884	327.821	327.831	327.788	327.780	327.802	327.762	327.693	327.661	327.593
STATION	1+000	1+010	1+020	1+030	1+040	1+050	1+060	1+070	1+080	1+090	1+100	1+110	1+120	1+130	1+140	1+150	1+160	1+170

