

## RECONSTRUCTION OF WEST STREET - PHASE 2 BROOK STREET TO TALBOT STREET SOUTH SIMCOE, ON

**CONTRACT No. EIS-ENG-25-34**

SHEET	DESCRIPTION	DWG. No.
1	COVER PAGE	G.0
2	GENERAL NOTES AND SPECIFICATIONS	G.1
3	LEGEND	G.2
4	REMOVALS, GRADING & RESTORATION PLAN - STA. 0+000 TO STA. 0+130	RP.1.1
5	REMOVALS, GRADING & RESTORATION PLAN - STA. 0+130 TO STA. 0+260	RP.1.2
6	REMOVALS, GRADING & RESTORATION PLAN - STA. 0+260 TO STA. 0+380	RP.1.3
7	REMOVALS, GRADING & RESTORATION PLAN - STA. 0+380 TO STA. 0+510	RP.1.4
8	REMOVALS, GRADING & RESTORATION PLAN - STA. 0+510 TO STA. 0+620	RP.1.5
9	PLAN & PROFILE - STA. 0+000 TO STA. 0+130	PP.1.1
10	PLAN & PROFILE - STA. 0+130 TO STA. 0+260	PP.1.2
11	PLAN & PROFILE - STA. 0+260 TO STA. 0+380	PP.1.3
12	PLAN & PROFILE - STA. 0+380 TO STA. 0+510	PP.1.4
13	PLAN & PROFILE - STA. 0+510 TO STA. 0+620	PP.1.5
14	DETAILS	DS.1
15	WEST STREET - CROSS SECTIONS - STA. 0+010 TO STA. 0+170	CS.1
16	WEST STREET - CROSS SECTIONS - STA. 0+175 TO STA. 0+310	CS.2
17	WEST STREET - CROSS SECTIONS - STA. 0+331.15 TO STA. 0+415	CS.3
18	WEST STREET - CROSS SECTIONS - STA. 0+420 TO STA. 0+550	CS.4
19	WEST STREET - CROSS SECTIONS - STA. 0+557 TO STA. 0+590	CS.5
20	OPSDs	OPSD
21	QUEEN STREET INTERSECTION - ELECTRICAL DRAWING	E1



GENERAL NOTES

- 1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT NORFOLK COUNTY STANDARDS AND SPECIFICATIONS...

STORM AND SANITARY SEWER NOTES

- 1. SEWER INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS) AS AMENDED BY THE COUNTY AND AS PER THE CONTRACT DRAWINGS AND SPECIFICATIONS.

WATERMAIN NOTES

- 1. WATERMAIN INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS) AS AMENDED BY THE COUNTY AND AS PER THE CONTRACT DRAWINGS AND SPECIFICATIONS.

ROAD WORKS NOTES

- 1. NEW AND REPLACED CURB AND GUTTER TO BE IN ACCORDANCE WITH OPSD 600.040, AND 608.010, AS INDICATED OR AS REQUIRED TO MATCH EXISTING CONDITIONS.

EROSION CONTROL NOTES

- 1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING, THE CONSTRUCTION PART TO PREVENT ENTRY OF SEDIMENT INTO LOCAL STORM SEWERS OR THE NATURAL ENVIRONMENT.

THRUST RESTRAINT TABLE

Table with columns: DIAMETER, MINIMUM LENGTH (m) TO BE RESTRAINED EACH SIDE OF FITTING (Horizontal Bend, Vertical Bend, Tee, Valve)

NOTE: RESTRAINT DISTANCES WERE CALCULATED BASED ON THE USE OF EBAA SUPPLIED PRODUCTS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE DESIGN CALCULATION TO SUPPORT THE USE OF AN ALTERNATE SUPPLIER, AS PERMITTED BY THE COUNTY.

TRAFFIC MANAGEMENT NOTES

- 1. THE CONTRACTOR IS ADVISED OF HEAVY TRAFFIC VOLUMES DURING THE MORNING AND EVENING PEAK HOURS AND MUST IMPLEMENT ALL NECESSARY MEASURES SUCH AS ENGAGING ADDITIONAL CONSTRUCTION CREWS IN ORDER TO COMPLETE THE WORK IN THE SHORTEST POSSIBLE TIME.

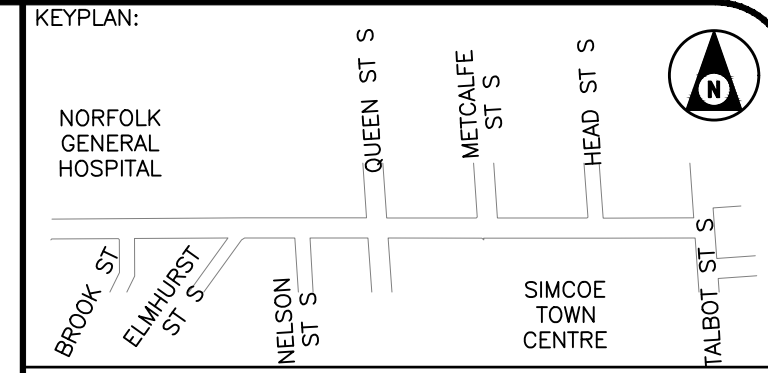
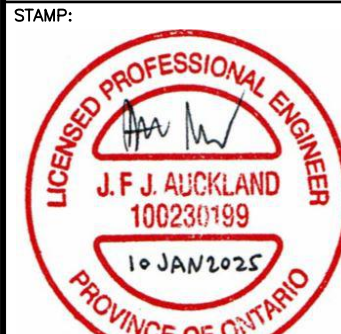


TABLE OF SANITARY MAINTENANCE STRUCTURES with columns: STRUCTURE NAME, LID ELEV., INV. ELEV., STRUCTURE HEIGHT

TABLE OF STORM CATCHBASIN STRUCTURES with columns: STRUCTURE NAME, LID ELEV., INV. ELEV., STRUCTURE HEIGHT, SUMP

TABLE OF STORM MAINTENANCE STRUCTURES with columns: STRUCTURE NAME, LID ELEV., INV. ELEV., STRUCTURE HEIGHT



BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. HORIZONTAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

CLIENT: WT INFRASTRUCTURE PRACTICAL INNOVATION. Logo for Norfolk COUNTY.

PROJECT NAME: RECONSTRUCTION OF WEST STREET - PHASE 2 BROOK STREET TO TALBOT STREET

GENERAL NOTES AND SPECIFICATIONS. PROJECT NO: 22-2016, SCALE: 1:250, DATE: 2025/01/15, DESIGNED BY: JA, DRAWN BY: AK, CHECKED BY: AT, SHEET #: 2 of 21



**EXISTING**

**SITE**

---	PROPERTY LINE
---	LOT LINE
---	EXTERIOR LOT LINE
---	CENTRELINE OF ROAD
---	EDGE OF PAVEMENT
---	EDGE OF GRAVEL
---	EDGE OF SHOULDER
---	PAVED DRIVEWAY
---	GRAVEL DRIVEWAY
---	CURB
---	SIDEWALK
---	BUILDING
---	CONCRETE
---	FENCE
---	TOP OF BANK
---	BOTTOM OF BANK
---	DITCH
---	SWALE
■	PROPERTY MARKER
—	EXISTING SIGN
○	EXISTING DECIDUOUS TREE
⊗	EXISTING CONIFEROUS TREE
MB	EXISTING MAILBOX
FP	EXISTING FLAG POST
BH	EXISTING BOREHOLE

**UTILITIES**

— B —	BELL
— C —	CABLE
— FO —	FIBER
— GAS —	GASMAIN
— HYD —	HYDRO
— O/H —	OVERHEAD WIRES
⊕	SURFACE MOUNTED HAND HOLD
⊕	EXISTING BELL PEDESTAL
⊕	EXISTING PEDESTAL
HP	EXISTING HYDRO POLE
LS	EXISTING LIGHT STANDARD
AN	EXISTING ANCHOR

**WATER**

— W —	EXISTING WATERMAIN
WV	EXISTING WATER VALVE
FH	EXISTING FIRE HYDRANT
CS	EXISTING SERVICE VALVE

**STORM**

— ST —	STORM SEWER
⊕	EXISTING CATCH BASIN
⊕	EXISTING CATCH BASIN MAINTENANCE HOLE
●	EXISTING STORM MAINTENANCE HOLE

**SANITARY**

— SA —	SANITARY SEWER
●	EXISTING SANITARY MAINTENANCE HOLE

**REMOVED**

**SITE**

---	ASPHALT TO BE REMOVED
---	GRAVEL TO BE REMOVED
---	SHOULDER TO BE REMOVED
---	ASPHALT DRIVEWAY TO BE REMOVED
---	GRAVEL DRIVEWAY TO BE REMOVED
---	CURB TO BE REMOVED
---	SIDEWALK TO BE REMOVED
---	CONCRETE TO BE REMOVED
---	FENCE TO BE REMOVED / REINSTATED
---	SIGN TO BE REMOVED / REINSTATED
⊗	DECIDUOUS TREE TO BE REMOVED
⊗	CONIFEROUS TREE TO BE REMOVED
---	VEGETATION TO BE REMOVED
---	ASPHALT DRIVEWAY TO BE REMOVED
---	ASPHALT ROADWAY TO BE REMOVED
---	ASPHALT ROADWAY TO BE MILLED
---	CONCRETE DRIVEWAY / SIDEWALK TO BE REMOVED
---	GRAVEL DRIVEWAY TO BE REMOVED

**WATER**

— W —	WATERMAIN TO BE REMOVED
WV	VALVE TO BE REMOVED
FH	FIRE HYDRANT TO BE REMOVED
CS	SERVICE VALVE TO BE REMOVED
90°	90° BEND TO BE REMOVED
R	REDUCER TO BE REMOVED
T	TEE TO BE REMOVED

**STORM**

— ST —	STORM SEWER TO BE REMOVED
⊕	STORM MAINTENANCE HOLE TO BE REMOVED

**SANITARY**

— SA —	SANITARY SEWER TO BE REMOVED
⊕	SANITARY MAINTENANCE HOLE TO BE REMOVED

**PROPOSED**

**SITE**

---	PROPOSED CENTRELINE OF ROAD
---	PROPOSED EDGE OF PAVEMENT
---	PROPOSED EDGE OF GRAVEL
---	PROPOSED EDGE OF SHOULDER
---	PROPOSED ASPHALT DRIVEWAY
---	PROPOSED GRAVEL DRIVEWAY
---	PROPOSED CURB
---	PROPOSED DROP CURB
---	PROPOSED SIDEWALK
---	PROPOSED CONCRETE
---	PROPOSED / REINSTATED FENCE
---	PROPOSED TOP OF SLOPE
---	PROPOSED BOTTOM OF SLOPE
---	PROPOSED DITCH
---	PROPOSED SWALE
---	PROPOSED RETAINING WALL
---	PROPOSED / REINSTATED SIGN
○	NEW DECIDUOUS TREE
⊗	NEW CONIFEROUS TREE
---	NEW VEGETATION
---	NEW ASPHALT DRIVEWAY / ROADWAY
---	NEW CONCRETE DRIVEWAY / SIDEWALK
---	NEW GRAVEL DRIVEWAY

**WATER**

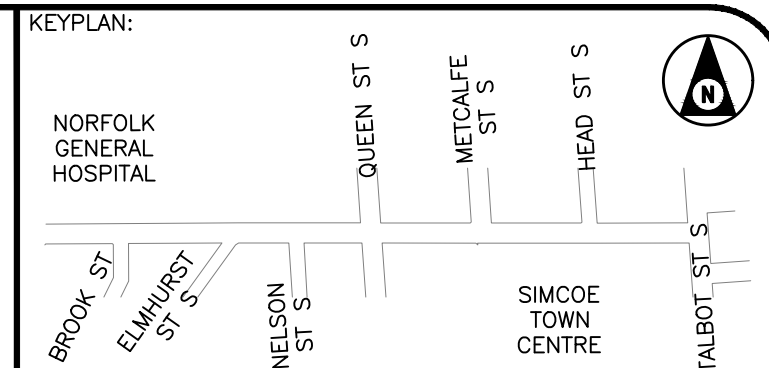
— W —	PROPOSED WATERMAIN
WV	PROPOSED VALVE
FH	PROPOSED FIRE HYDRANT
CS	PROPOSED SERVICE VALVE

**STORM**

— ST —	PROPOSED STORM SEWER PIPE
⊕	PROPOSED CATCH BASIN
●	PROPOSED CATCH BASIN MAINTENANCE HOLE

**SANITARY**

— SA —	PROPOSED SANITARY SEWER PIPE
⊕	PROPOSED SANITARY MAINTENANCE HOLE



BENCHMARK:  
THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS.  
VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.


NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2  
BROOK STREET TO TALBOT STREET**

CLIENT REF: EIS-ENG-25-34

TITLE:

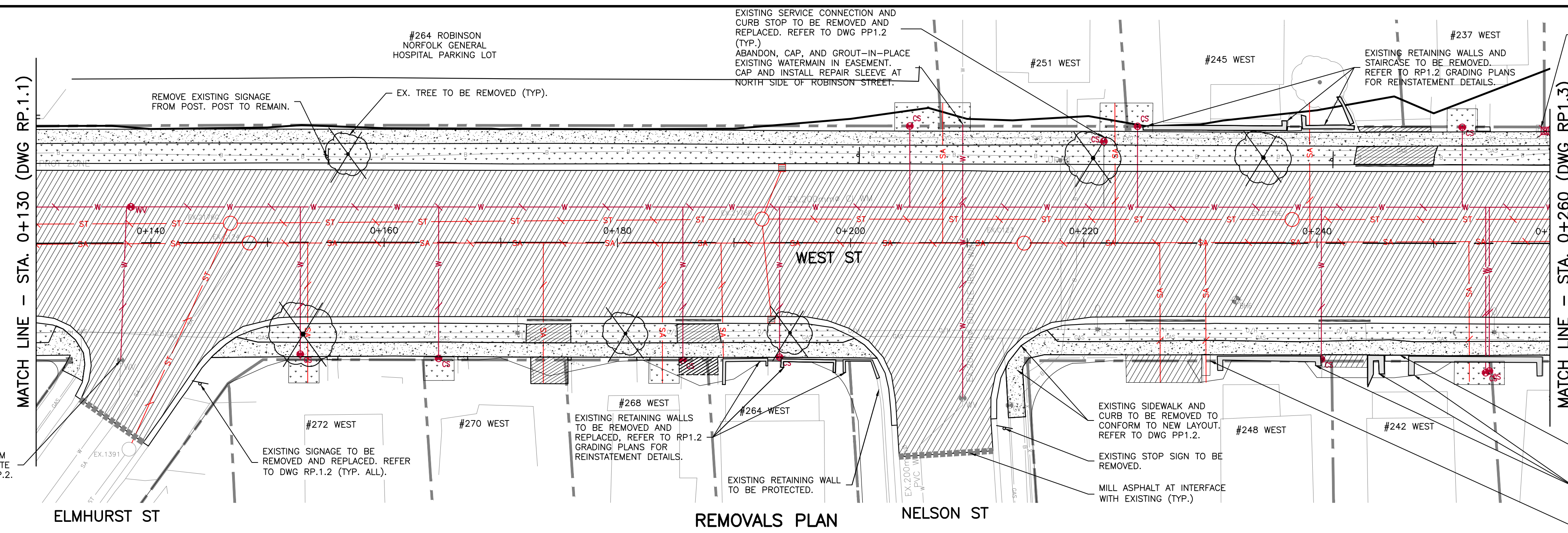
**LEGEND**

PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	25mm
DRAWING No: G2	SHEET #: 3 of 21		

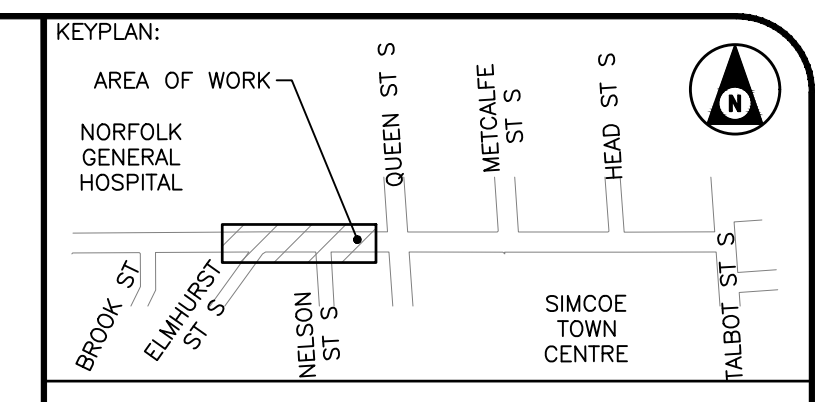




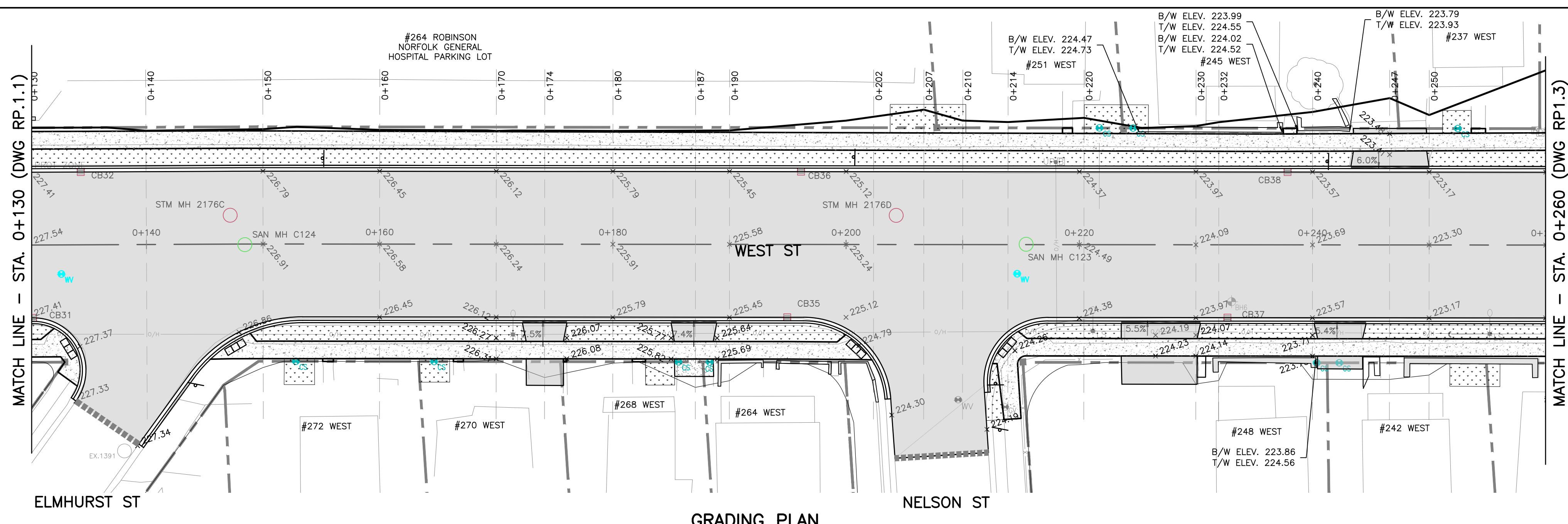




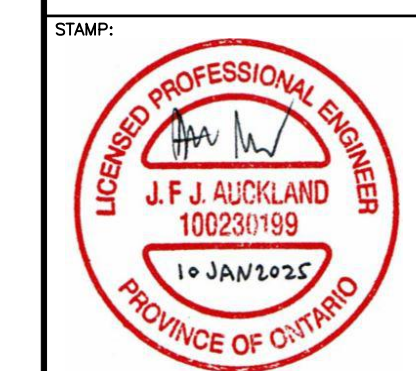
EXISTING SERVICE CONNECTION AND CURB STOP TO BE REMOVED AND REPLACED. REFER TO DWG PP.1.2 (TYP.)  
 ABANDON, CAP AND GROUT-IN-PLACE EXISTING WATERMAIN IN EASEMENT. CAP AND INSTALL REPAIR SLEEVE AT NORTH SIDE OF ROBINSON STREET.  
 EXISTING RETAINING WALLS AND STAIRCASE TO BE REMOVED. REFER TO RP.1.2 GRADING PLANS FOR REINSTATEMENT DETAILS.  
 REMOVE EXISTING SIGNAGE FROM POST. POST TO REMAIN.  
 EX. TREE TO BE REMOVED (TYP.)  
 RECONNECT TO EX. WM FROM ELMHURST ST AT APPROXIMATE LOCATION REFER TO DWG PP.2.  
 EXISTING SIGNAGE TO BE REMOVED AND REPLACED. REFER TO DWG RP.1.2 (TYP. ALL).  
 EXISTING RETAINING WALLS TO BE REMOVED AND REPLACED. REFER TO RP.1.2 GRADING PLANS FOR REINSTATEMENT DETAILS.  
 EXISTING RETAINING WALL TO BE PROTECTED.  
 EXISTING SIDEWALK AND CURB TO BE REMOVED TO CONFORM TO NEW LAYOUT. REFER TO DWG PP.1.2.  
 EXISTING STOP SIGN TO BE REMOVED.  
 MILL ASPHALT AT INTERFACE WITH EXISTING (TYP.)  
 COORDINATE RELOCATION OF UTILITY BOX WITH THIRD PARTY PROVIDER (TYP.).  
 ALL SANITARY LATERALS ARE TO BE INSPECTED BY CCTV PRIOR TO CONSTRUCTION TO CONFIRM IF LATERALS ARE ACTIVE/INACTIVE.  
 STAIRCASE AND HANDRAIL TO BE REMOVED AND REPLACED. REFER TO RP.1.2 GRADING PLANS FOR REINSTATEMENT DETAILS.  
 EXISTING RETAINING WALLS TO REMAIN, CONTRACTOR TO DISASSEMBLE AND REINSTATE RETAINING WALL AS REQUIRED TO FACILITATE SERVICE REPLACEMENTS.  
 STAIRCASE TO BE REMOVED AND REPLACED. REFER TO RP.1.2 GRADING PLANS FOR REINSTATEMENT DETAILS.



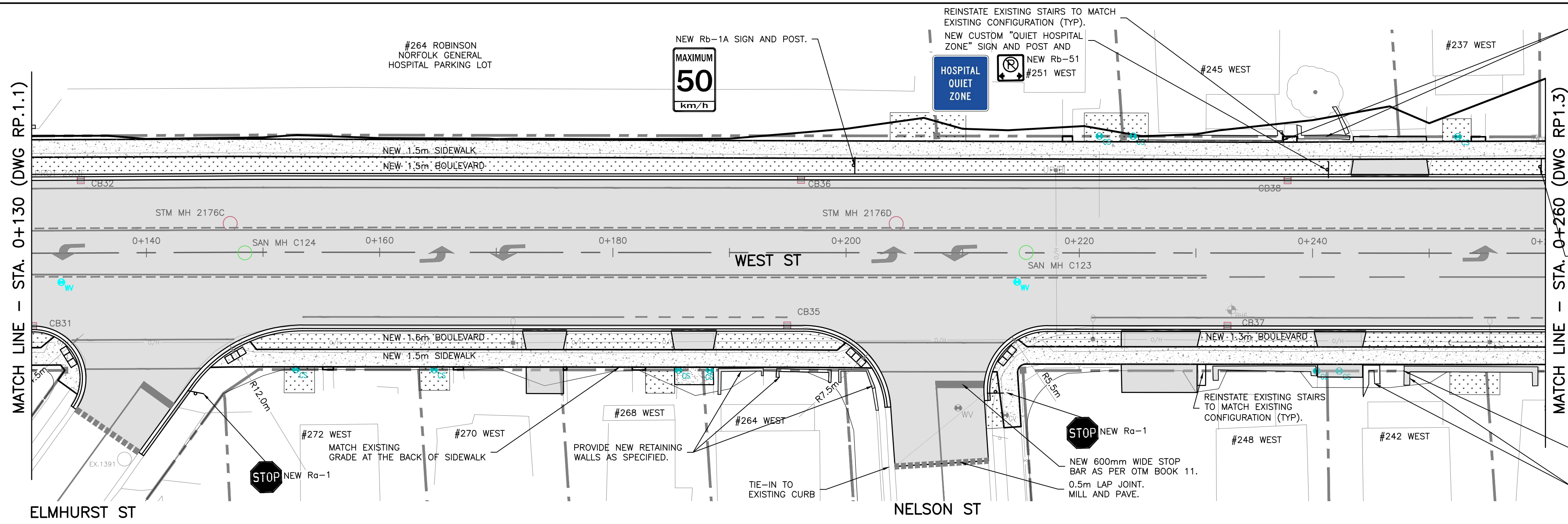
- NOTES**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS.
  - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
  - CURB STOPS FOR THE WATER SERVICE CONNECTIONS ARE TO BE LOCATED AT THE PROPERTY LINE UNLESS INDICATED OTHERWISE. EX. SERVICE CONNECTIONS ARE TO BE RECONFIGURED AS REQUIRED.
  - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
  - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.



B/W ELEV. 223.99  
 T/W ELEV. 224.55  
 B/W ELEV. 224.02  
 T/W ELEV. 224.52  
 B/W ELEV. 223.79  
 T/W ELEV. 223.93  
 B/W ELEV. 224.47  
 T/W ELEV. 224.73  
 B/W ELEV. 223.86  
 T/W ELEV. 224.56  
 B/W ELEV. 223.99  
 T/W ELEV. 224.55  
 B/W ELEV. 224.02  
 T/W ELEV. 224.52  
 B/W ELEV. 223.79  
 T/W ELEV. 223.93



BENCHMARK:  
 THIS SURVEYED ON JULY 2022, BY SMC GEOMATICS.  
 VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.



REINSTATE EXISTING STAIRS TO MATCH EXISTING CONFIGURATION (TYP.)  
 NEW CUSTOM "QUIET HOSPITAL ZONE" SIGN AND POST AND NEW Rb-51  
 PROVIDE NEW SEGMENTAL RETAINING WALL AS SPECIFIED, MATCH GRADES AND TOP OF WALL AT INTERFACE WITH EXISTING.  
 REINSTATE EXISTING STAIRS TO MATCH EXISTING CONFIGURATION (TYP.)  
 REINSTATE STAIRS TO MATCH EXISTING CONFIGURATION +/- NEW HANDRAIL BOTH SIDES (TYP.).  
 EXISTING RETAINING WALLS TO REMAIN, CONTRACTOR TO DISASSEMBLE AND REINSTATE RETAINING WALL AS REQUIRED TO FACILITATE SERVICE REPLACEMENTS.  
 INSTALL NEW METAL Rb-48a SIGN ON A 150mm BY 150mm WOOD POST 2.5m HIGH.  
 NEW 600mm WIDE STOP BAR AS PER OTM BOOK 11. 0.5m LAP JOINT. MILL AND PAVE.  
 TIE-IN TO EXISTING CURB  
 PROVIDE NEW RETAINING WALLS AS SPECIFIED.  
 MATCH EXISTING GRADE AT THE BACK OF SIDEWALK  
 STOP NEW Rb-1

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.  
 THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.  
 THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER

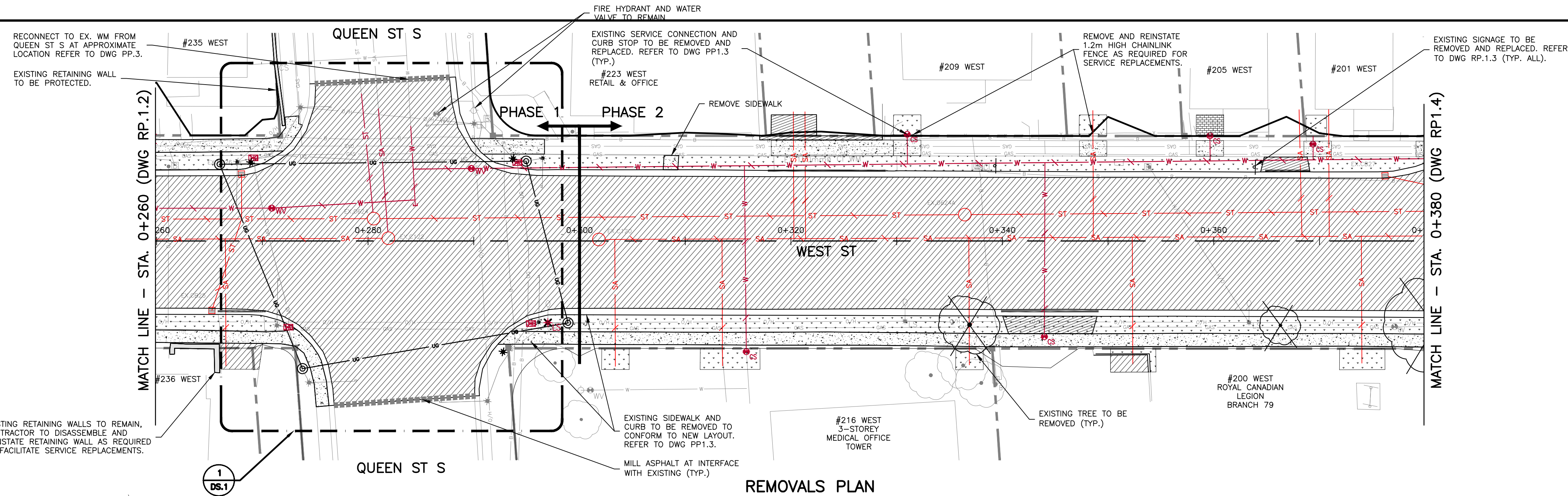


PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2**  
**BROOK STREET TO TALBOT STREET**  
 CLIENT REF: EIS-ENG-25-34  
 TITLE:

PROJECT NO.	SCALE	DATE	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
22-2016	1:250	2025/01/15	

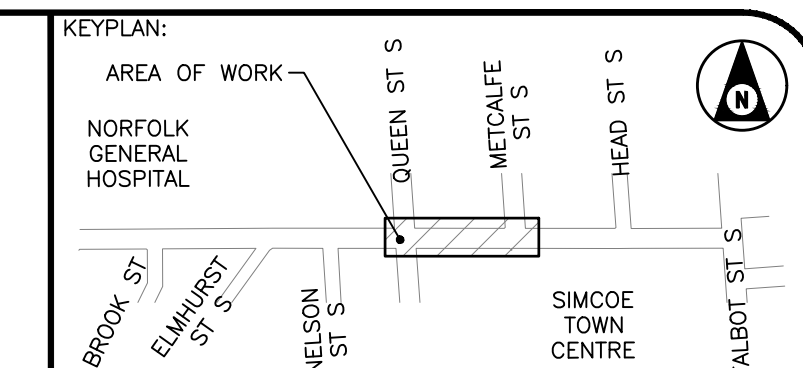
DRAWING NO: RP.2 SHEET #: 5 of 21



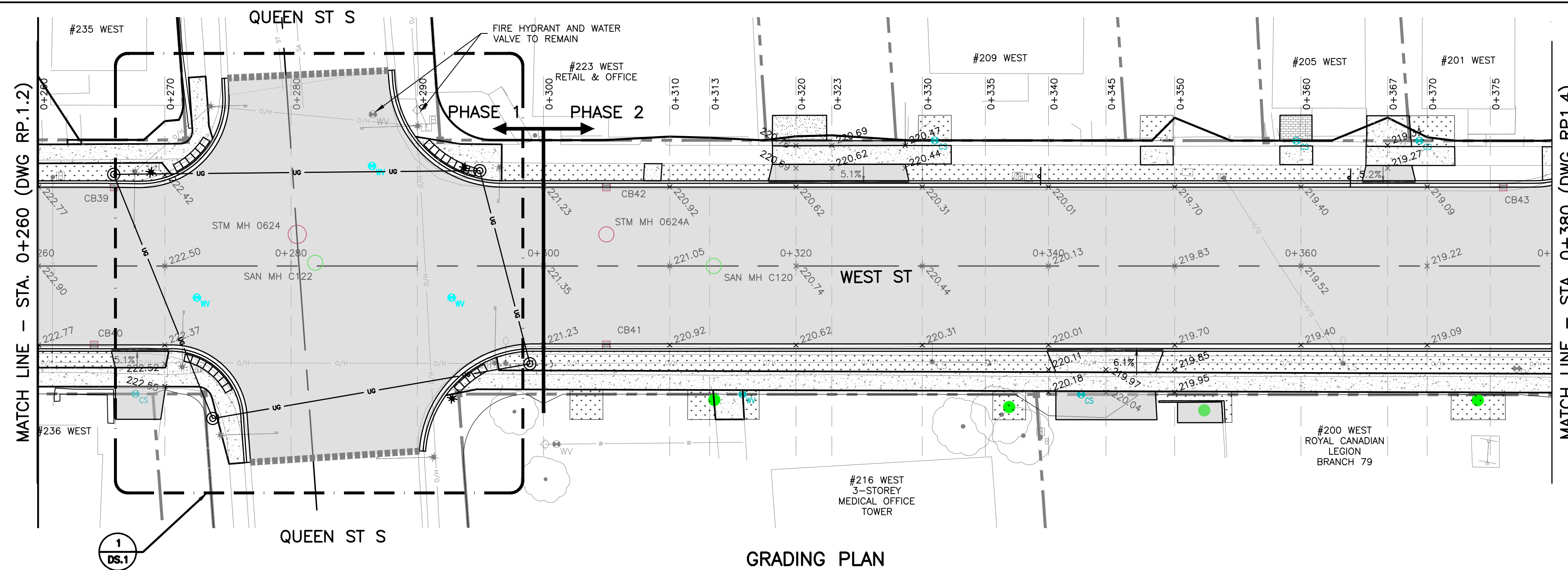


REMOVALS PLAN

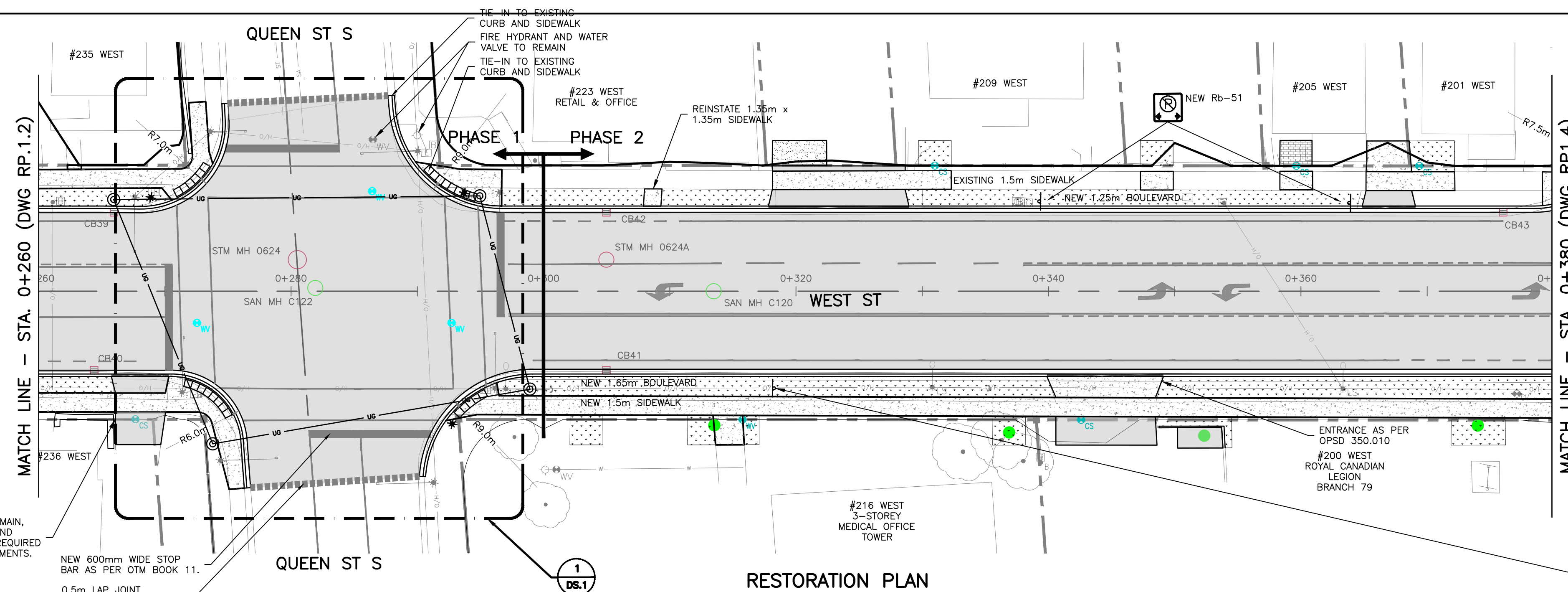
ALL SANITARY LATERALS ARE TO BE INSPECTED BY CCTV PRIOR TO CONSTRUCTION TO CONFIRM IF LATERALS ARE ACTIVE/INACTIVE



- NOTES**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS
  - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
  - CURB STOPS FOR THE WATER SERVICE CONNECTIONS ARE TO BE LOCATED AT THE PROPERTY LINE UNLESS INDICATED OTHERWISE. EX SERVICE CONNECTIONS ARE TO BE RECONFIGURED AS REQUIRED.
  - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
  - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.



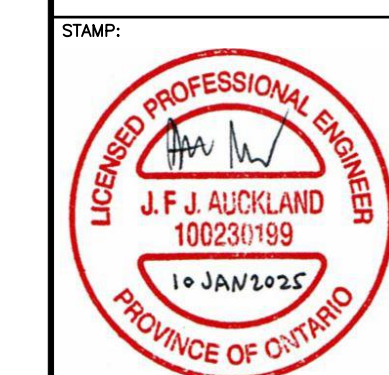
GRADING PLAN



RESTORATION PLAN



INSTALL NEW METAL R8-480 SIGN ON A 150mm BY 150mm WOOD POST 2.5m HIGH.



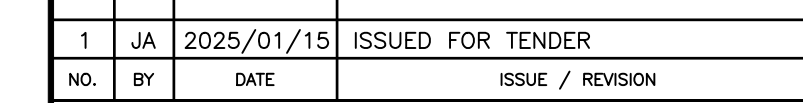
BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



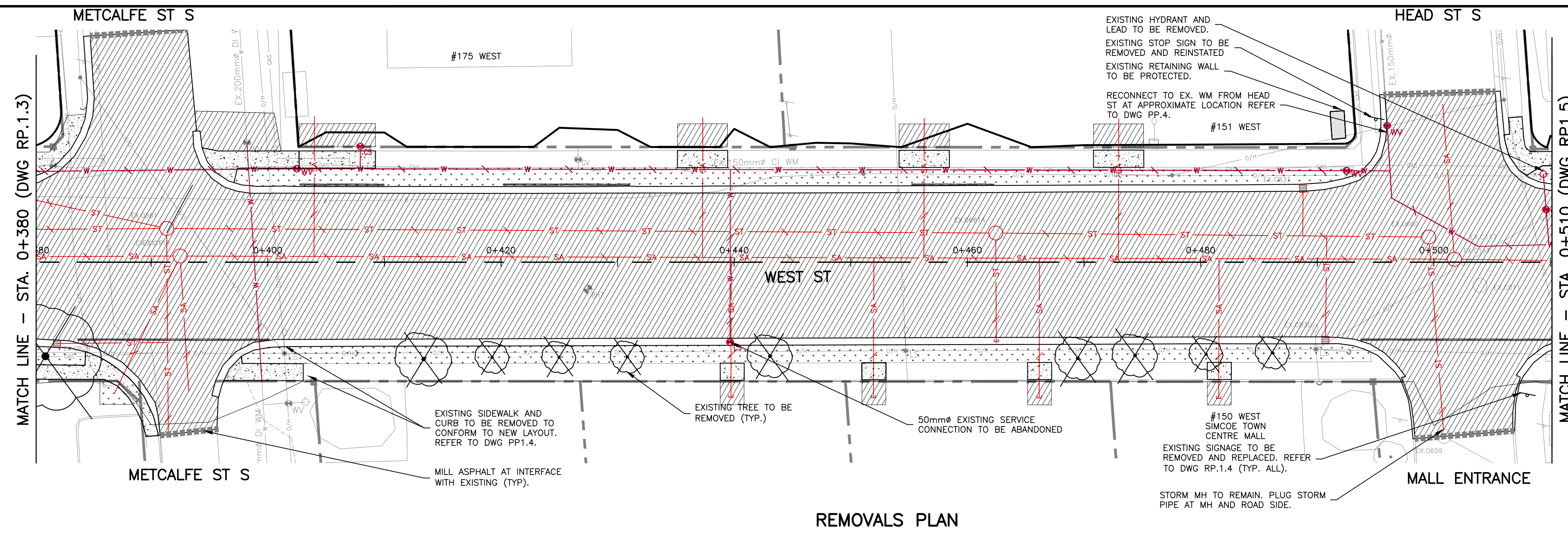
PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2  
BROOK STREET TO TALBOT STREET**

CLIENT REF: EIS-ENG-25-34

TITLE:  
**REMOVALS AND RECONSTRUCTION PLANS  
STA. 0+260 TO STA. 0+380**

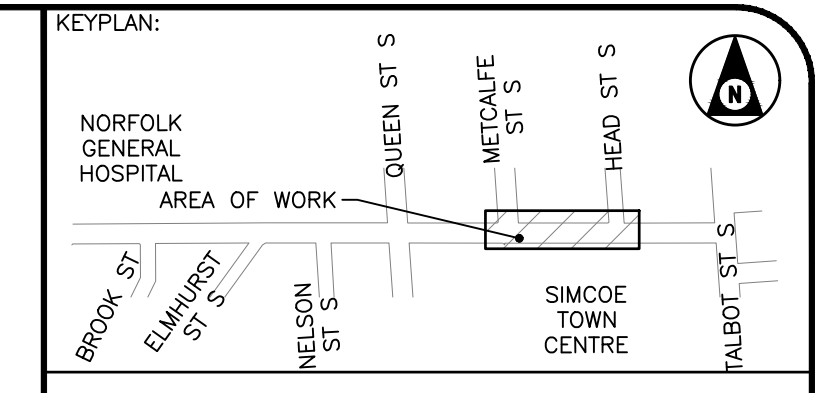
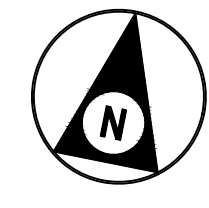
PROJECT NO:	SCALE:	DATE:	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
22-2016	1:250	2025/01/15	
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	
DRAWING No:	RP.3	SHEET #:	6 of 21



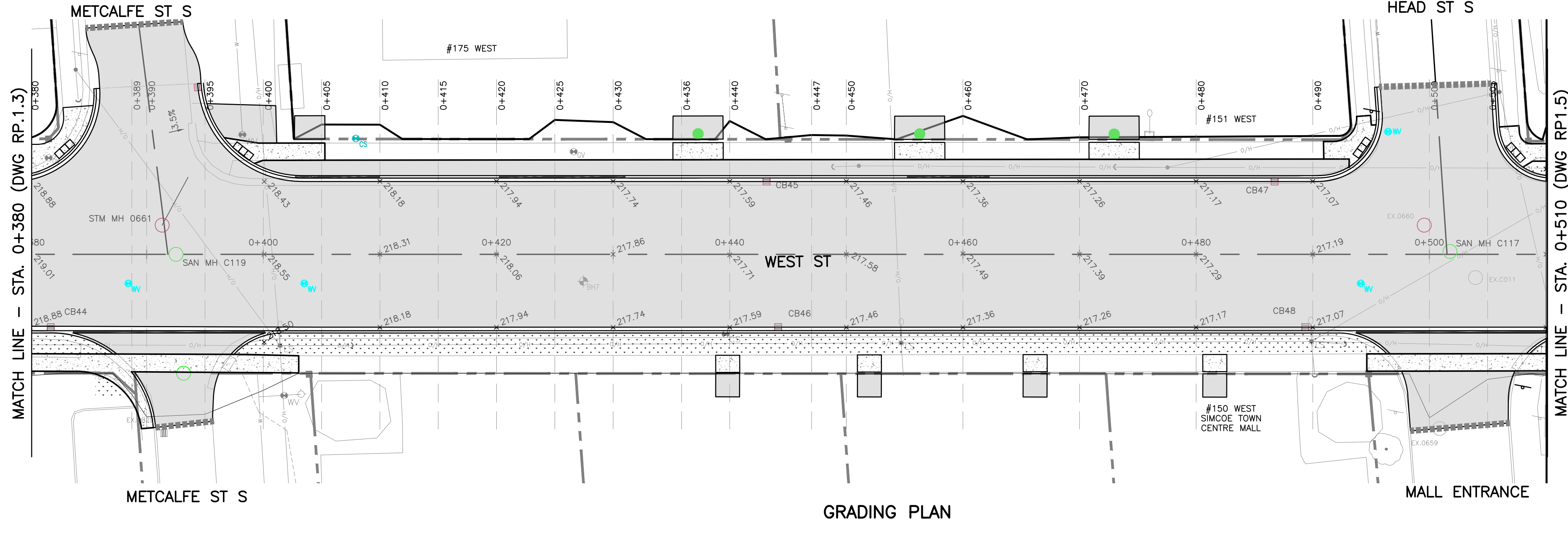


REMOVALS PLAN

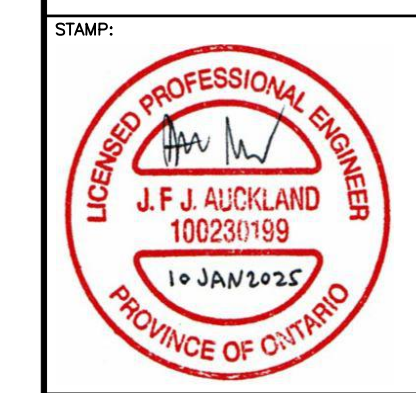
ALL SANITARY LATERALS ARE TO BE INSPECTED BY CCTV PRIOR TO CONSTRUCTION TO CONFIRM IF LATERALS ARE ACTIVE/INACTIVE



- NOTES**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS.
  - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
  - CURB STOPS FOR THE WATER SERVICE CONNECTIONS ARE TO BE LOCATED AT THE PROPERTY LINE UNLESS INDICATED OTHERWISE. EX. SERVICE CONNECTIONS ARE TO BE RECONFIGURED AS REQUIRED.
  - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
  - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.

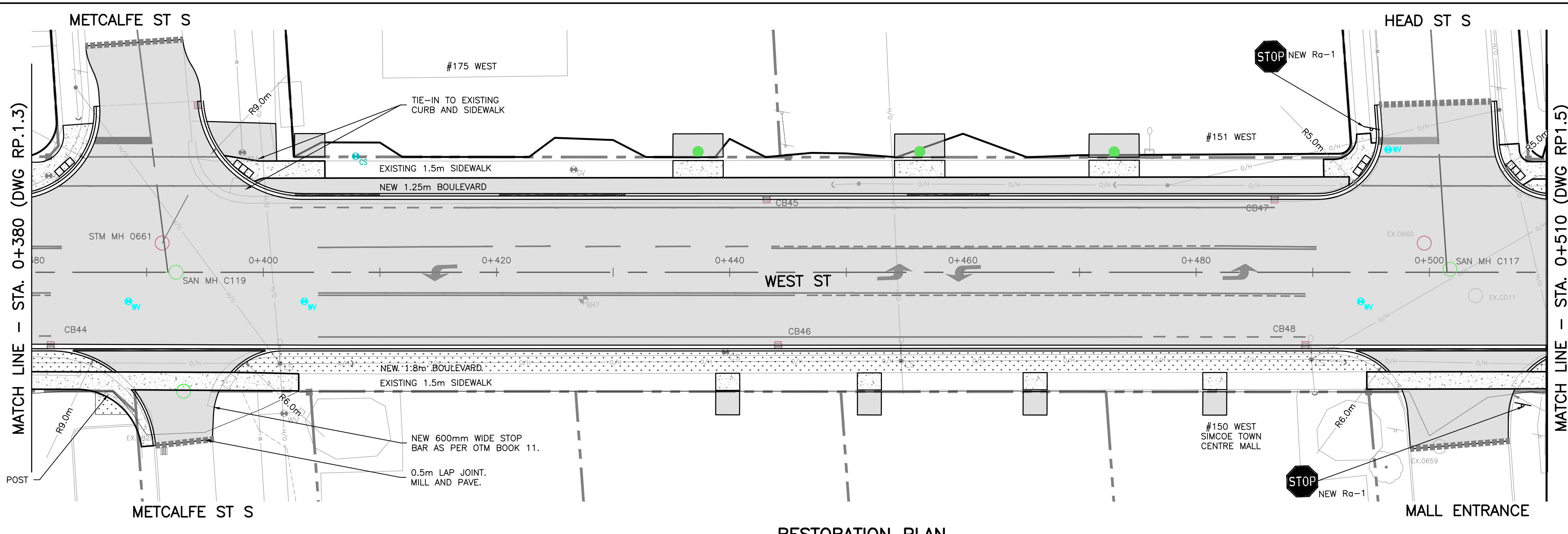


GRADING PLAN



BENCHMARK: THIS SURVEYED ON JULY 2022, BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934. HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. THIS DRAWING IS NOT TO BE SCALED.



RESTORATION PLAN

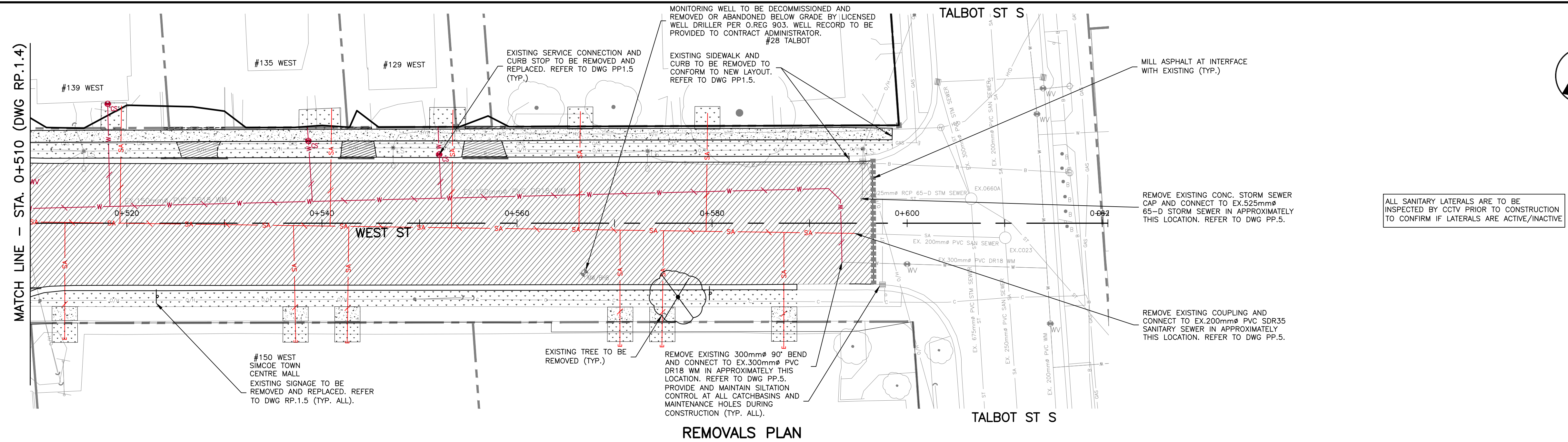
NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



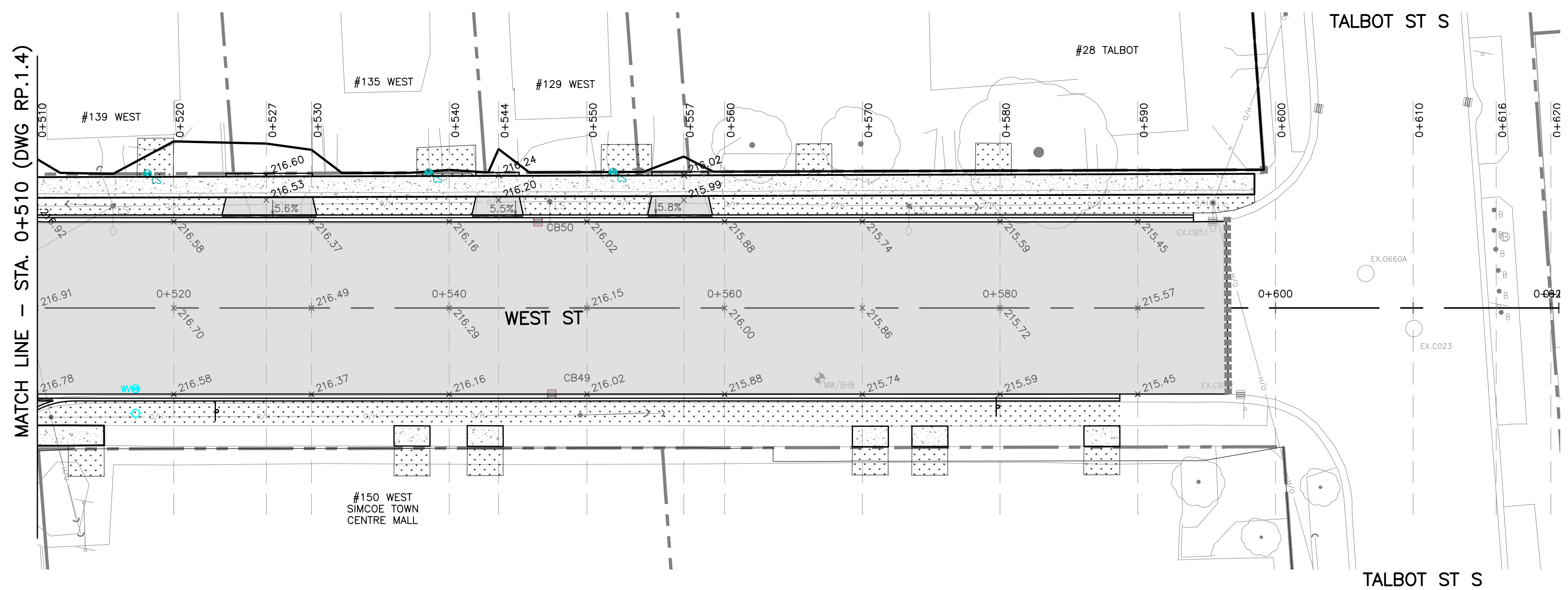
PROJECT NAME:  
RECONSTRUCTION OF WEST STREET – PHASE 2  
BROOK STREET TO TALBOT STREET  
CLIENT REF: EIS-ENG-25-34  
TITLE:  
REMOVALS AND RECONSTRUCTION PLANS  
STA. 0+380 TO STA. 0+510

PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	
DRAWING NO: RP.4	SHEET #: 7 of 21		

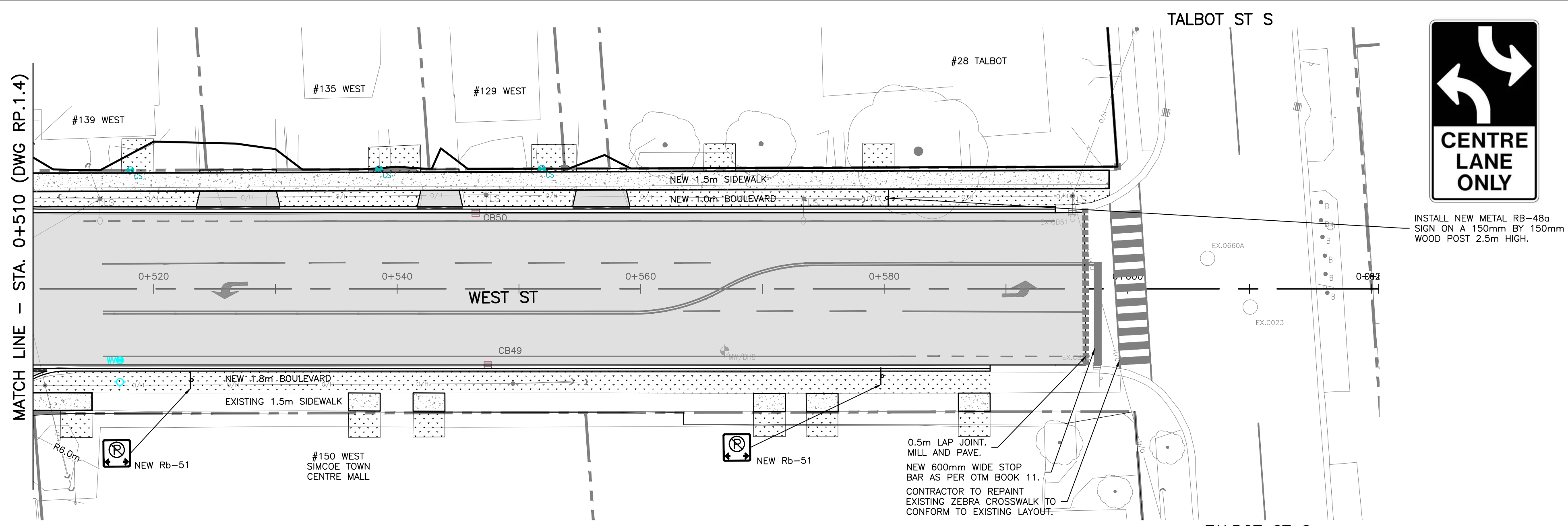




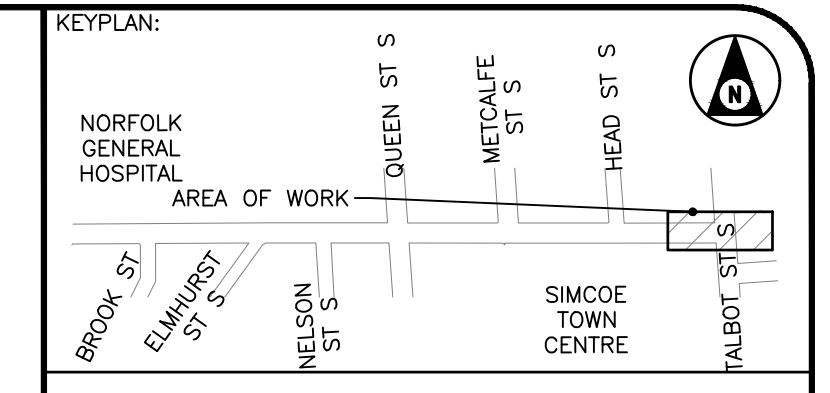
REMOVALS PLAN



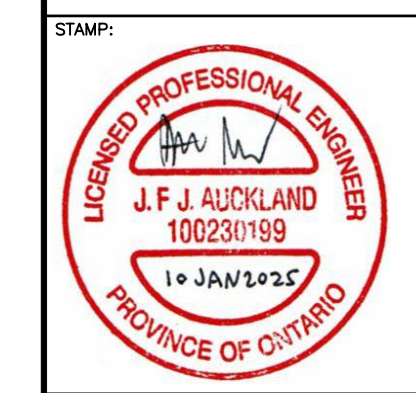
GRADING PLAN



RESTORATION PLAN



- NOTES**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS.
  - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
  - CURB STOPS FOR THE WATER SERVICE CONNECTIONS ARE TO BE LOCATED AT THE PROPERTY LINE UNLESS INDICATED OTHERWISE. EX. SERVICE CONNECTIONS ARE TO BE RECONFIGURED AS REQUIRED.
  - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
  - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.



BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934. HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

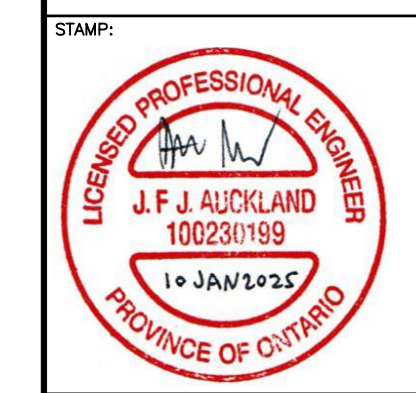
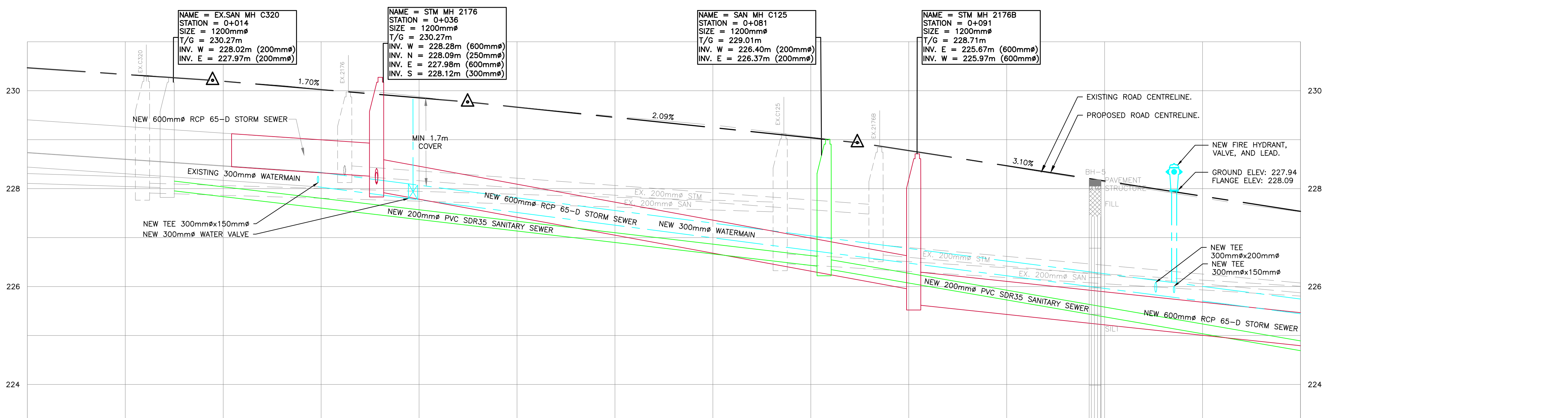
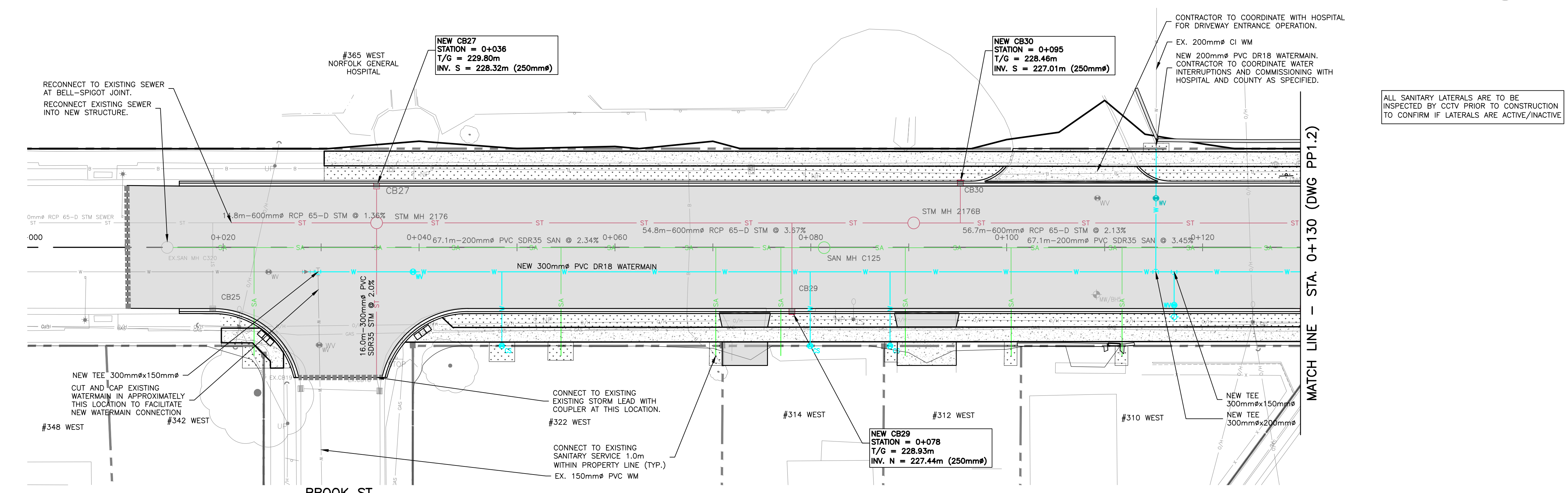
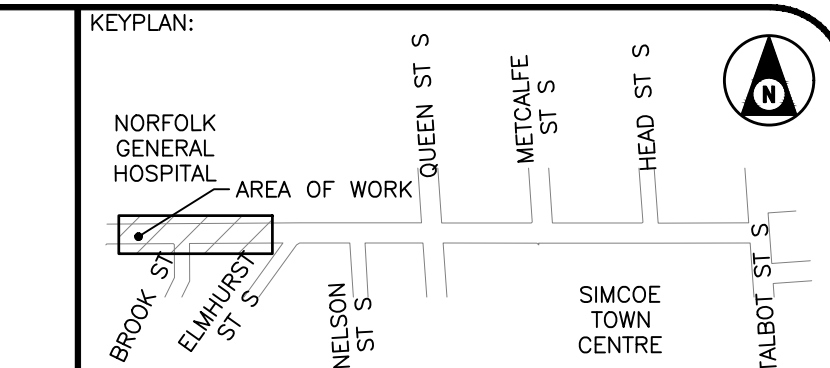
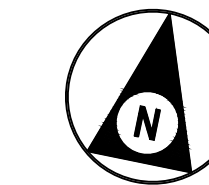
NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



PROJECT NAME: RECONSTRUCTION OF WEST STREET – PHASE 2 BROOK STREET TO TALBOT STREET  
 CLIENT: NORFOLK COUNTY  
 PROJECT REF: EIS-ENG-25-34  
 TITLE: REMOVALS AND RECONSTRUCTION PLANS STA. 0+510 TO STA. 0+620

PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	25mm
DRAWING No: RP.5	SHEET #: 8 of 21		





BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



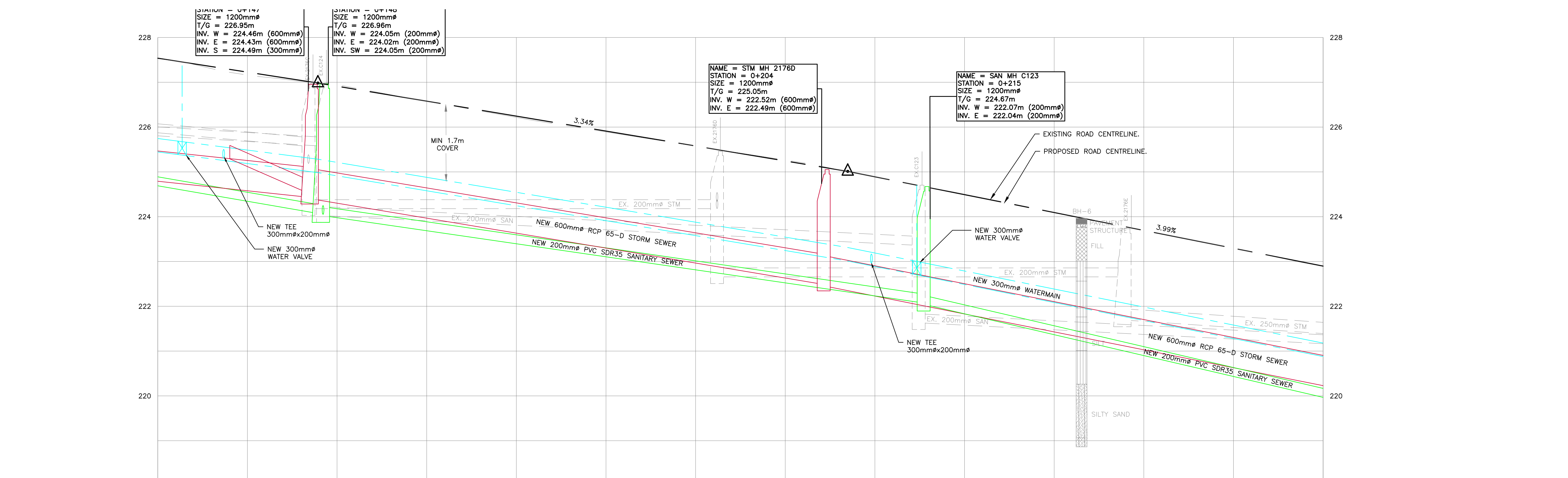
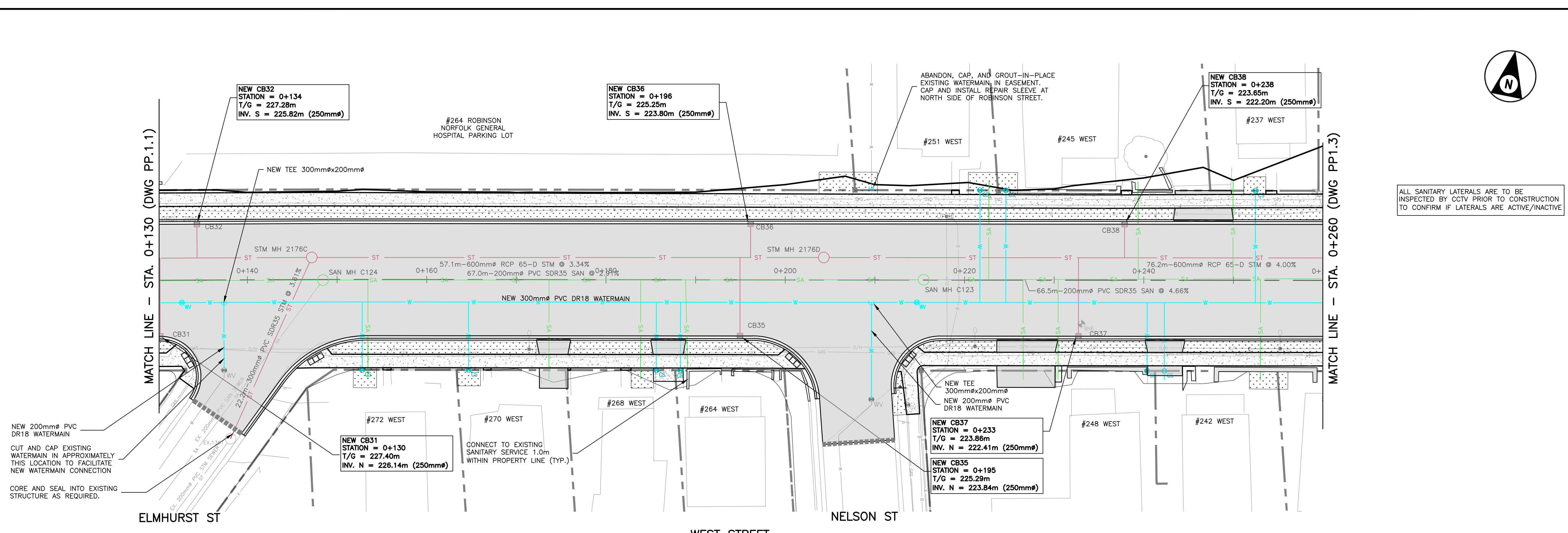
PROJECT NAME: RECONSTRUCTION OF WEST STREET – PHASE 2 BROOK STREET TO TALBOT STREET

CLIENT REF: EIS-ENG-25-34

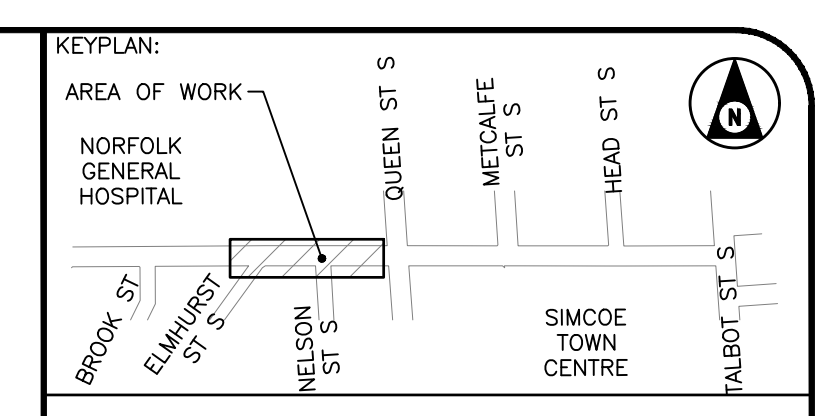
TITLE: PLAN AND PROFILE STA. 0+000 TO STA. 0+130

PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	
DRAWING NO: PP.1	SHEET #: 9 of 21		





STATION	0+140	0+160	0+180	0+200	0+220	0+240	0+260	STATION
CENTERLINE GRADE	227.54	227.23	226.56	225.91	225.24	224.49	223.69	222.90
TOP OF WATERMAIN	226.95	226.95	226.95	226.95	226.95	226.95	226.95	226.95
EXISTING STORM SEWER INVERT	226.16	226.16	226.16	226.16	226.16	226.16	226.16	226.16
STORM SEWER INVERT	225.87	225.87	225.87	225.87	225.87	225.87	225.87	225.87
EXISTING SANITARY SEWER INVERT	226.97	226.97	226.97	226.97	226.97	226.97	226.97	226.97
SANITARY SEWER INVERT	226.37	226.37	226.37	226.37	226.37	226.37	226.37	226.37



STAMP:

BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER

WT INFRASTRUCTURE  
PRACTICAL INNOVATION

CUSTOMER:

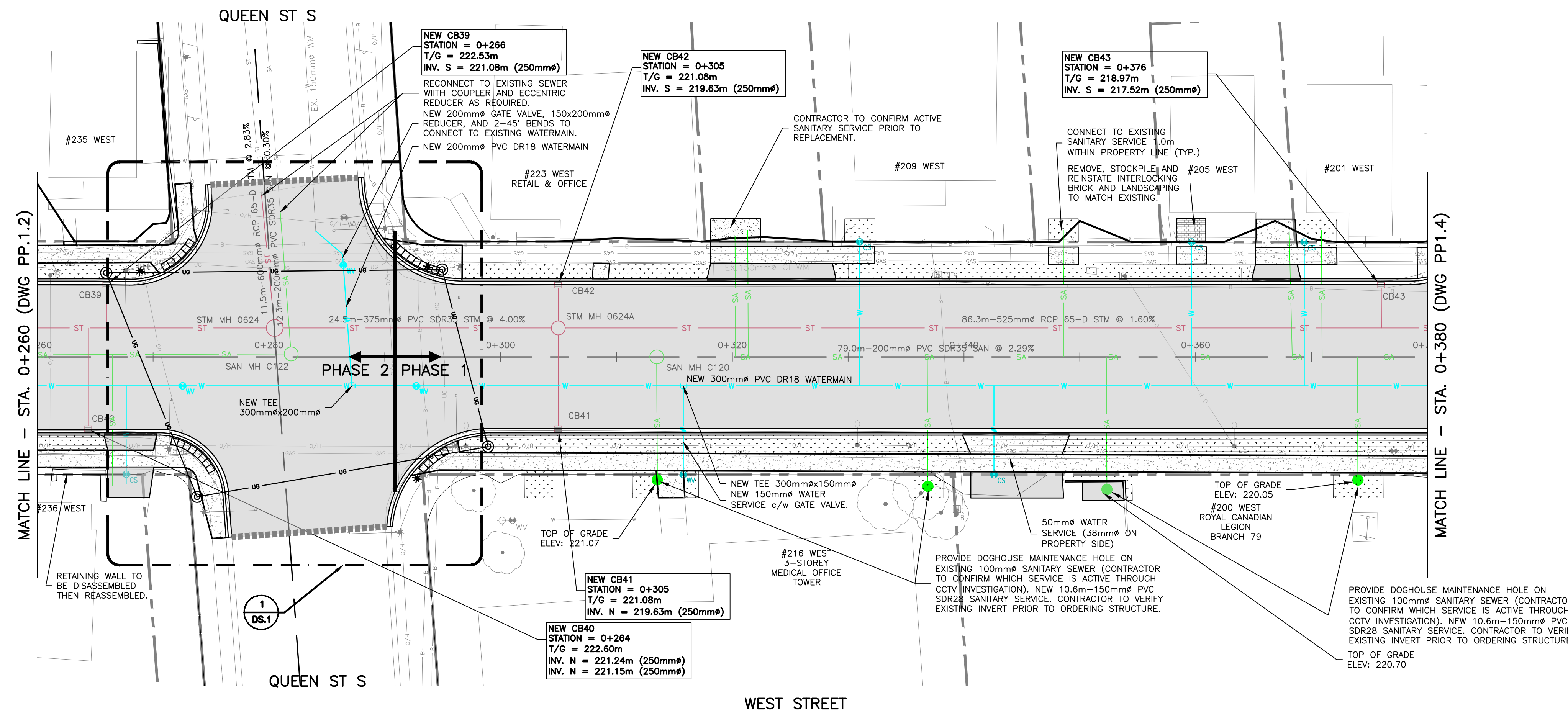
PROJECT NAME: RECONSTRUCTION OF WEST STREET – PHASE 2  
BROOK STREET TO TALBOT STREET

CUSTOMER REF: EIS-ENG-25-34

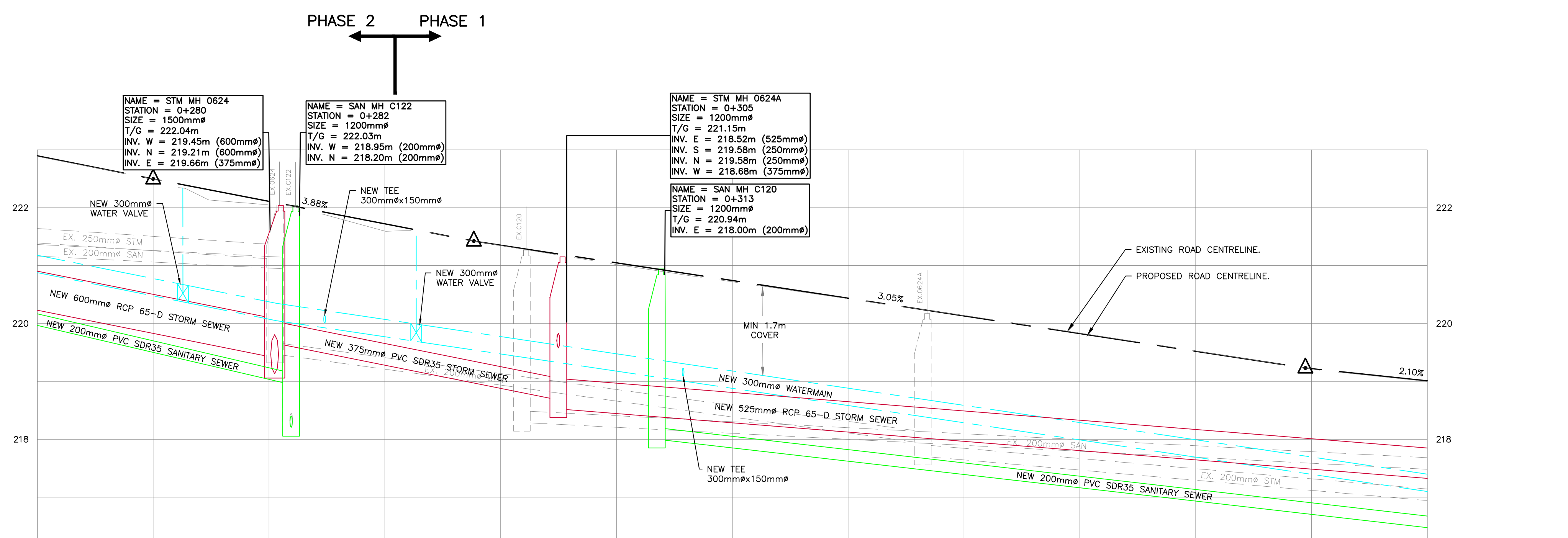
TITLE: PLAN AND PROFILE  
STA. 0+130 TO STA. 0+260

PROJECT NO:	SCALE:	DATE:	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
22-2016	1:250	2025/01/15	
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
JA	AK	AT	
DRAWING NO:	PP.2	SHEET #:	10 OF 21





ALL SANITARY LATERALS ARE TO BE INSPECTED BY CCTV PRIOR TO CONSTRUCTION TO CONFIRM IF LATERALS ARE ACTIVE/INACTIVE



STATION	0+260	0+280	0+300	0+320	0+340	0+360	0+380	STATION
CENTERLINE GRADE	222.90	222.01	221.35	220.74	220.13	219.52	218.01	CENTERLINE GRADE
TOP OF WATERMAIN								TOP OF WATERMAIN
EXISTING STORM SEWER INVERT	221.69	219.47	218.24	217.03	216.24	215.74	214.74	EXISTING STORM SEWER INVERT
STORM SEWER INVERT	222.49	219.45	218.68	218.52	218.14	217.14	217.14	STORM SEWER INVERT
EXISTING SANITARY SEWER INVERT	221.83	219.24	218.02	217.03	216.53	216.03	215.03	EXISTING SANITARY SEWER INVERT
SANITARY SEWER INVERT	222.04	218.95	218.00	218.00	218.00	218.00	218.00	SANITARY SEWER INVERT

KEYPLAN:  
 AREA OF WORK  
 NORFOLK GENERAL HOSPITAL  
 BROOK ST  
 ELMHURST ST S  
 NELSON ST S  
 QUEEN ST S  
 METCALFE ST S  
 HEAD ST S  
 SIMCOE TOWN CENTRE  
 TALBOT ST S

STAMP:  
  
 LICENSED PROFESSIONAL ENGINEER  
 J.F. J. AUCKLAND  
 100231199  
 10 JAN 2025  
 PROVINCE OF ONTARIO

BENCHMARK:  
 THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS.  
 VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER

WT INFRASTRUCTURE  
 PRACTICAL INNOVATION

CUSTOMER:  
  
 NORFOLK COUNTY

PROJECT NAME:  
 RECONSTRUCTION OF WEST STREET – PHASE 2  
 BROOK STREET TO TALBOT STREET

CUSTOMER REF: EIS-ENG-25-34

TITLE:  
 PLAN AND PROFILE  
 STA. 0+260 TO STA. 0+380

PROJECT NO:  
 22-2016

SCALE:  
 1:250

DATE:  
 2025/01/15

DESIGNED BY:  
 JA

DRAWN BY:  
 AK

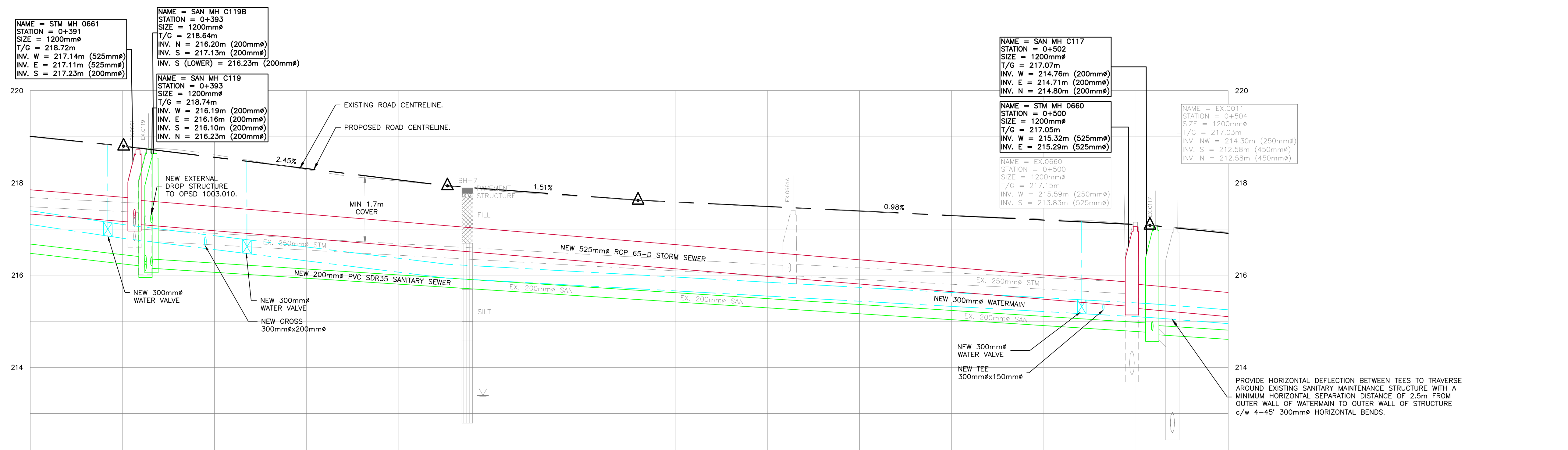
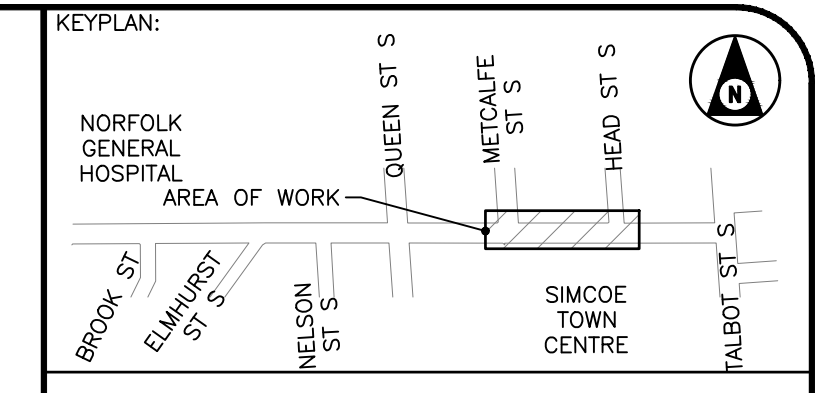
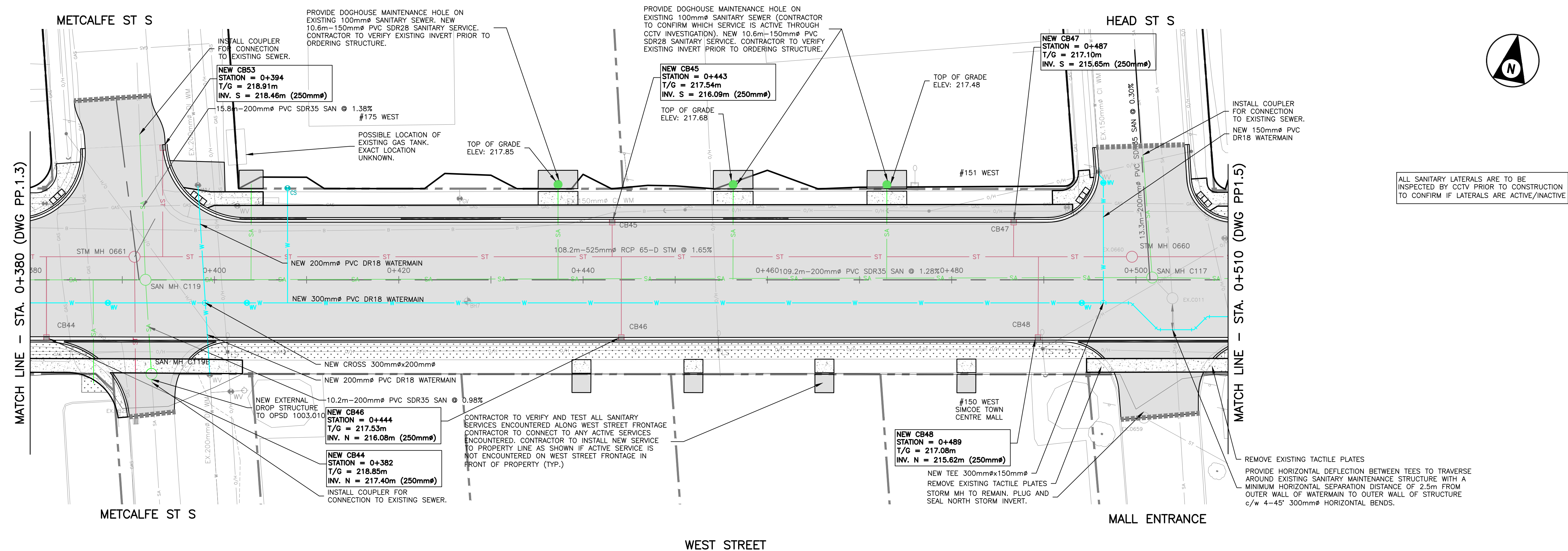
CHECKED BY:  
 AT

DRAWING NO:  
 PP.3

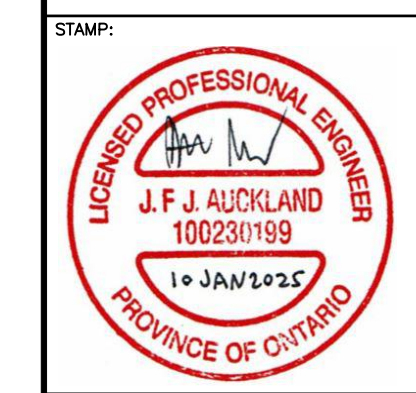
SHEET #:  
 11 of 21

IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.





STATION	0+400	0+420	0+440	0+460	0+480	0+500	0+510	STATION
CENTERLINE GRADE	218.01	218.55	217.70	217.71	217.49	217.29	217.10	216.91
TOP OF WATERMAIN	216.00	216.61	216.04	217.70	217.48	217.30	217.10	216.93
EXISTING STORM SEWER INVERT			EXISTING 71.10m 250mm $\phi$ STORM SEWER @ 1.1%			EXISTING 37.14m 250mm $\phi$ STORM SEWER @ 1.1%		EXISTING STORM SEWER INVERT
STORM SEWER INVERT	NEW 86.3m 525mm $\phi$ RCP 65-D STORM SEWER @ 1.03%			NEW 108.2m 525mm $\phi$ RCP 65-D STORM SEWER @ 1.65%		NEW 95.7m 525mm $\phi$ RCP 65-D STORM SEWER @ 2.79%		STORM SEWER INVERT
EXISTING SANITARY SEWER INVERT	EXISTING 90.65m 200mm $\phi$ SANITARY SEWER @ 1.03%			EXISTING 109.28m 200mm $\phi$ SANITARY SEWER @ 1.28%		EXISTING 3.14m 250mm $\phi$ SANITARY SEWER @ 13.80%		EXISTING SANITARY SEWER INVERT
SANITARY SEWER INVERT	NEW 79.0m-200mm $\phi$ PVC SDR35 SANITARY SEWER @ 2.29%			NEW 109.2m-200mm $\phi$ PVC SDR35 SANITARY SEWER @ 1.28%		NEW 92.9m-200mm $\phi$ PVC SDR35 SANITARY SEWER @ 1.29%		SANITARY SEWER INVERT



BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



PROJECT NAME: RECONSTRUCTION OF WEST STREET - PHASE 2 BROOK STREET TO TALBOT STREET

CLIENT REF: EIS-ENG-25-34

TITLE: PLAN AND PROFILE STA. 0+380 TO STA. 0+510

PROJECT NO: 22-2016

SCALE: 1:250

DATE: 2025/01/15

DESIGNED BY: JA

DRAWN BY: AK

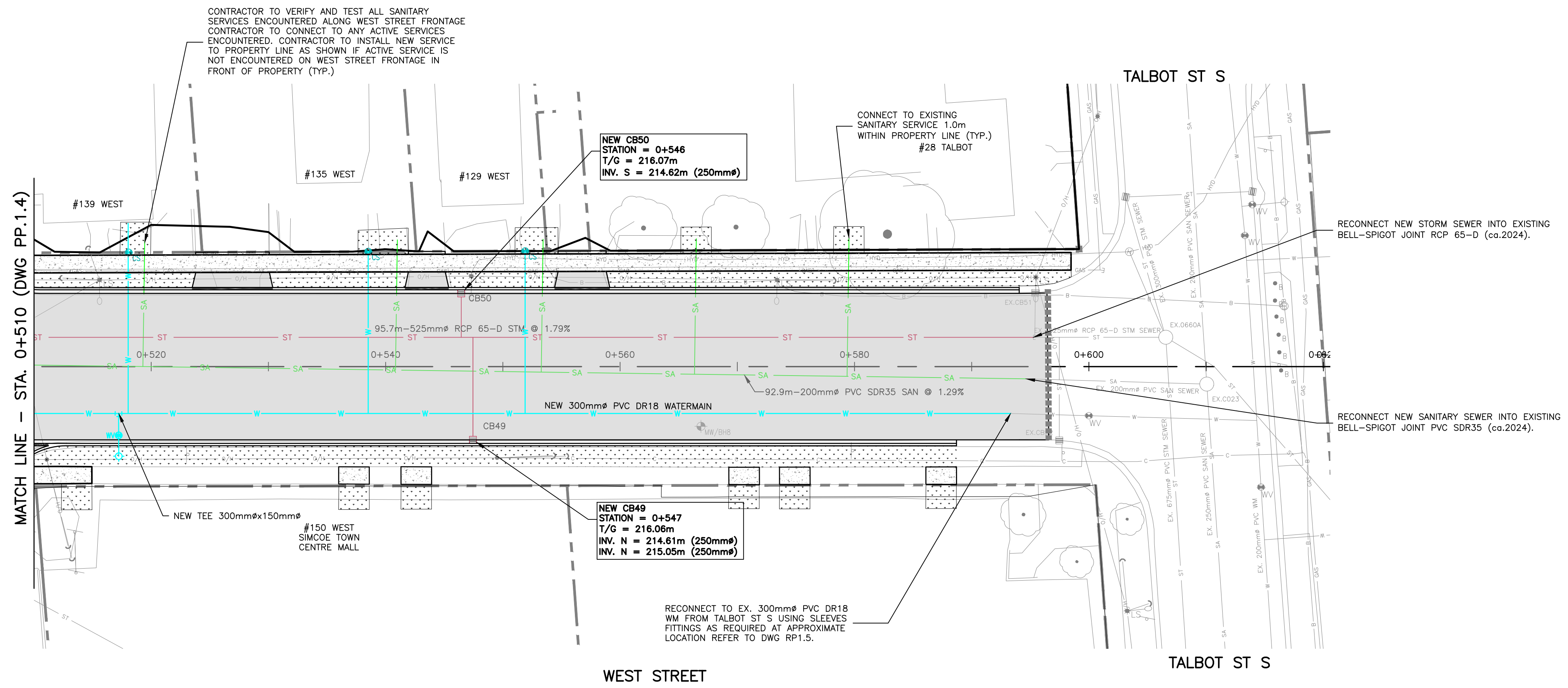
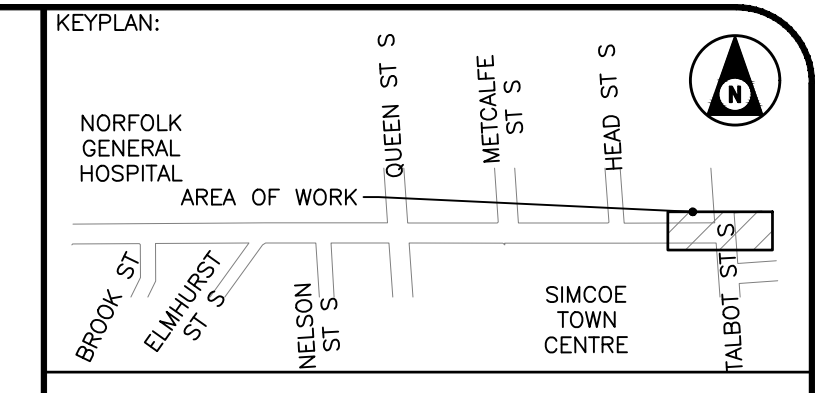
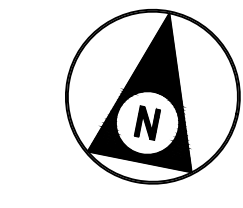
CHECKED BY: AT

DRAWING NO: PP.4

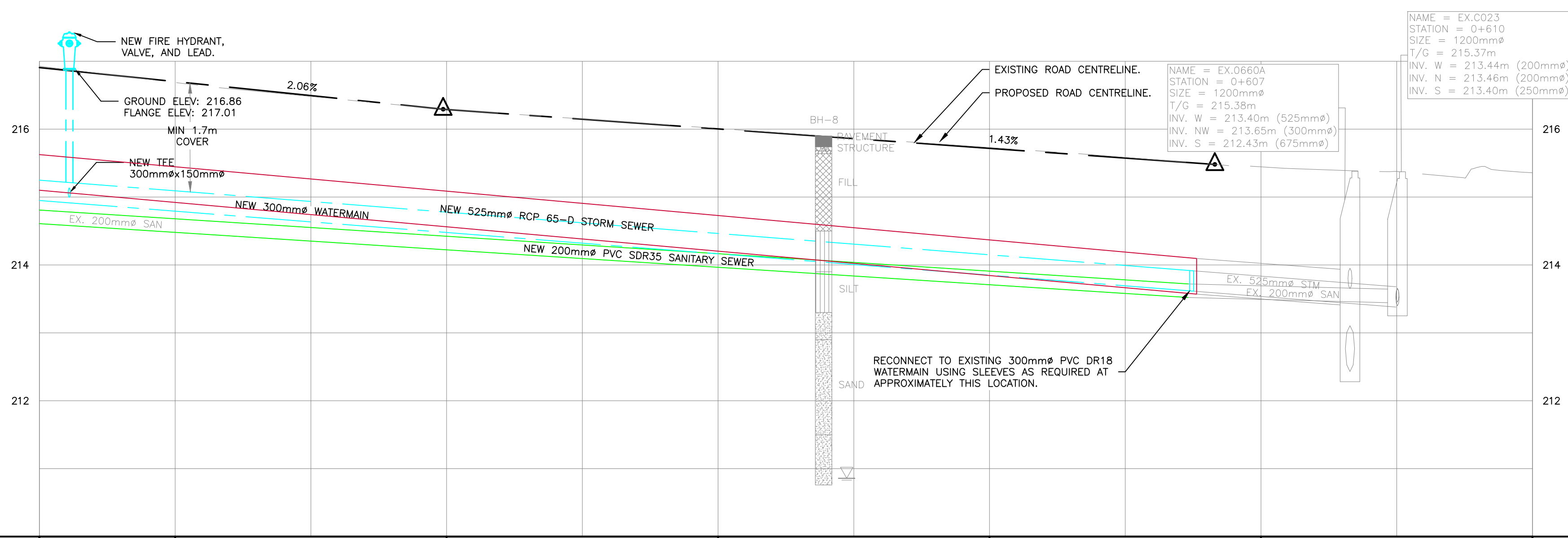
IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.

SHEET #: 12 of 21

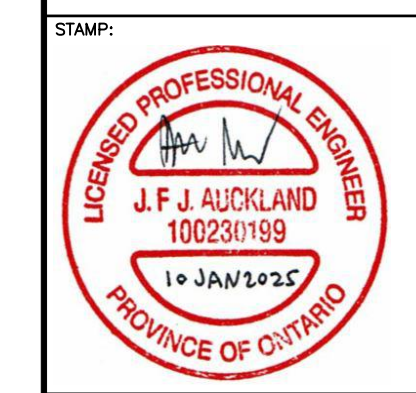




ALL SANITARY LATERALS ARE TO BE INSPECTED BY CCTV PRIOR TO CONSTRUCTION TO CONFIRM IF LATERALS ARE ACTIVE/INACTIVE



STATION		0+520	0+540	0+560	0+580	0+600	0+620	STATION	
CENTERLINE GRADE	FINISHED	216.91	216.70	216.01	215.72	215.44	215.35	EXISTING FINISHED CENTERLINE GRADE	
TOP OF WATERMAIN	NEW	216.93	216.69	216.01	215.73	215.44	215.36	NEW TOP OF WATERMAIN	
EXISTING STORM SEWER INVERT								EXISTING STORM SEWER INVERT	
STORM SEWER INVERT		215.29	NEW 95.7m 525mmØ RCP 65-D STORM SEWER @ 1.79%				213.57	213.41	EXISTING 11.30m 525mmØ STORM SEWER @ 1.5%
EXISTING SANITARY SEWER INVERT		214.71	EXISTING 92.89m 200mmØ SANITARY SEWER @ 1.29%				213.52	213.44	EXISTING 15.42m 200mmØ SANITARY SEWER @ 0.52%
SANITARY SEWER INVERT		214.71	NEW 92.9m-200mmØ PVC SDR35 SANITARY SEWER @ 1.29%				213.52	213.44	SANITARY SEWER INVERT



BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



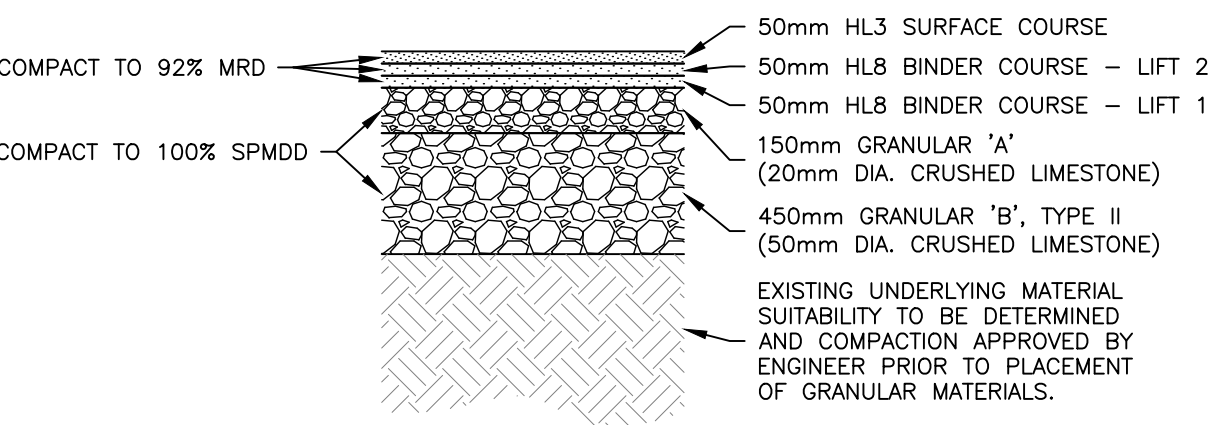
PROJECT NAME: RECONSTRUCTION OF WEST STREET – PHASE 2 BROOK STREET TO TALBOT STREET

CLIENT REF: EIS-ENG-25-34

TITLE: PLAN AND PROFILE STA. 0+510 TO STA. 0+620

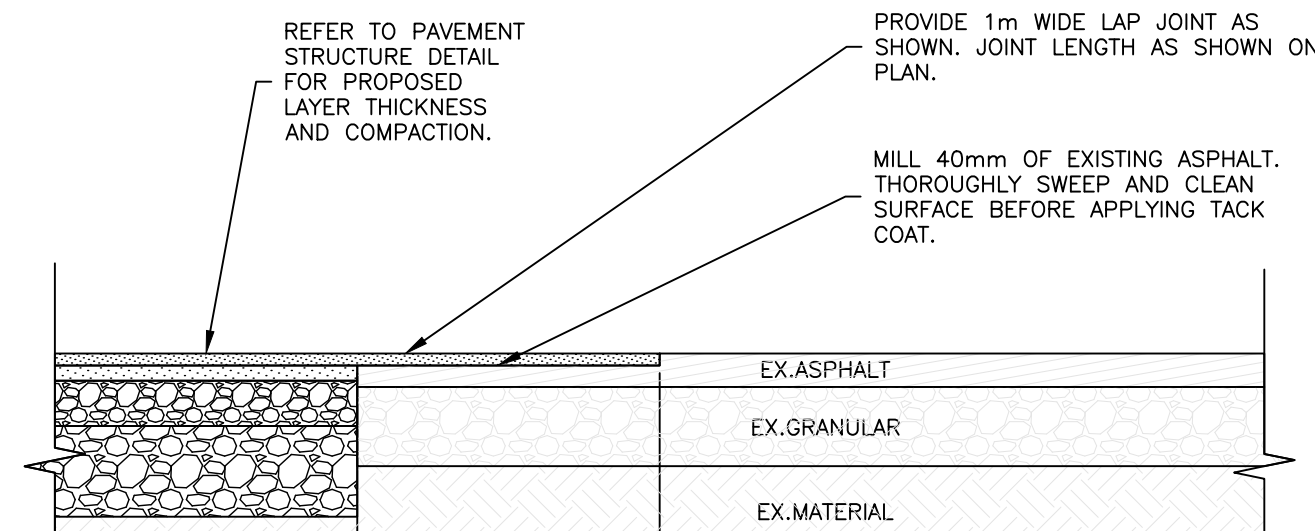
PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	
DRAWING NO: PP.5	SHEET #: 13 OF 21		





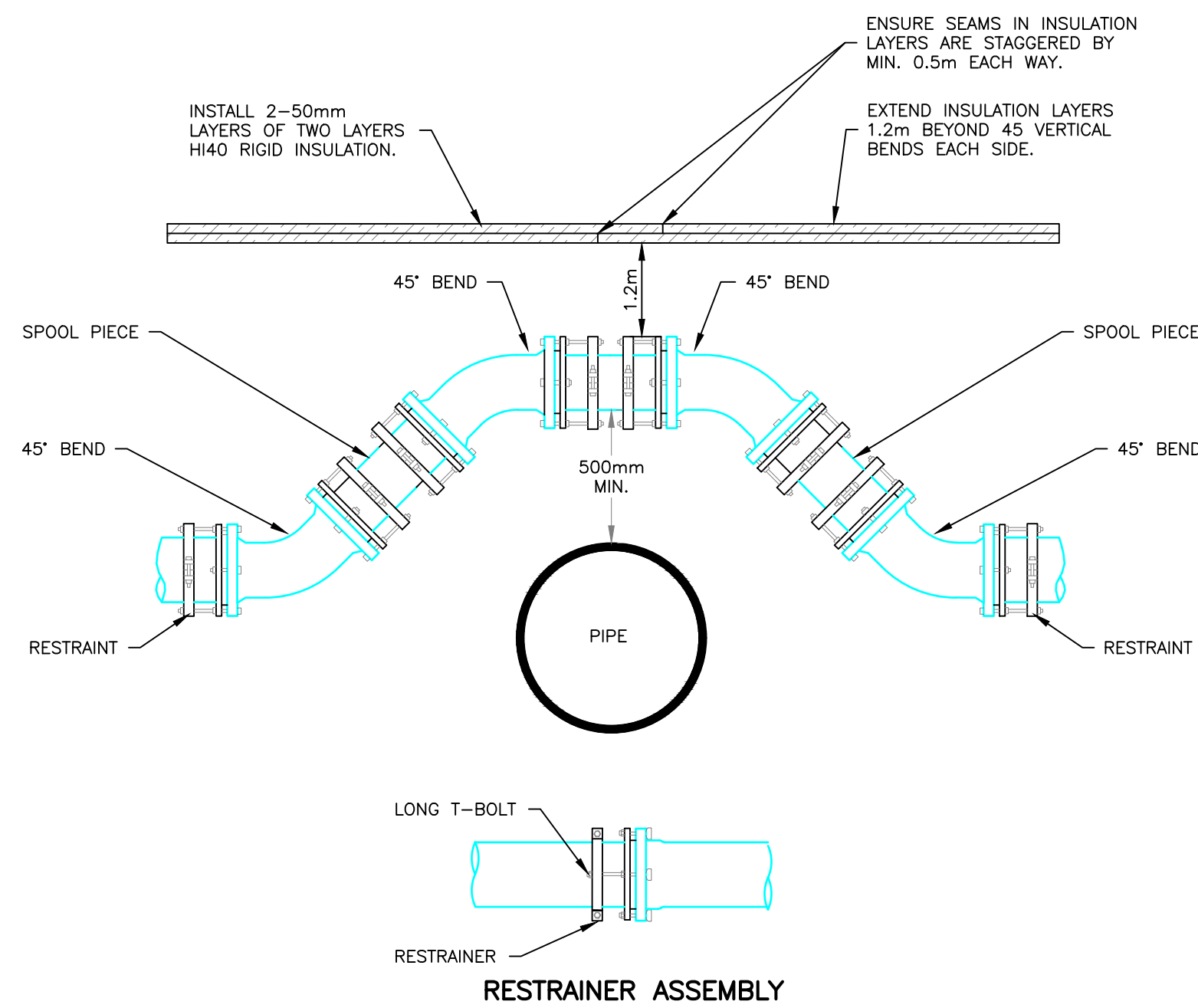
**FULL DEPTH RECONSTRUCTION PAVEMENT STRUCTURE DETAIL**

SCALE: NTS



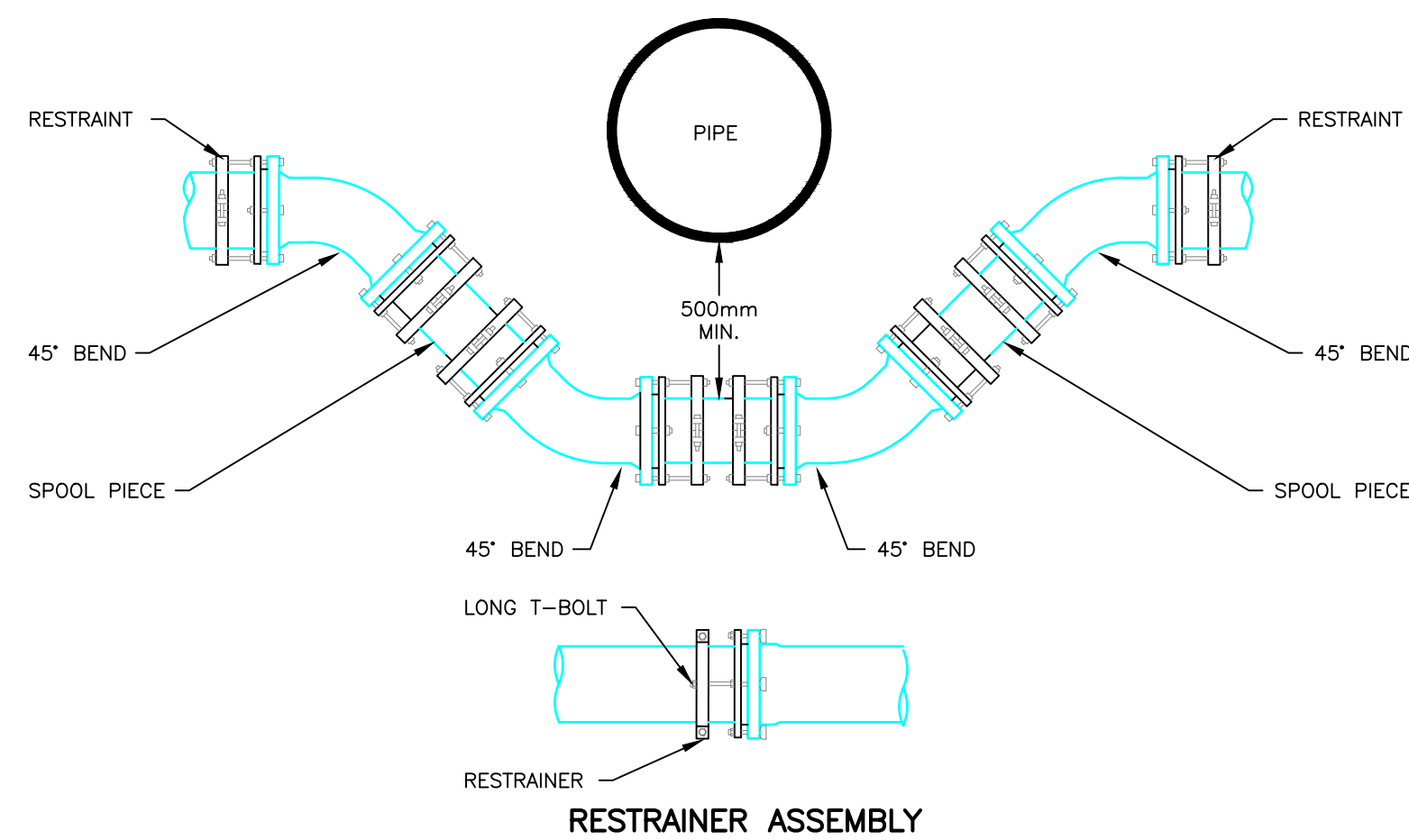
**LAP JOINT DETAIL**

SCALE: NTS



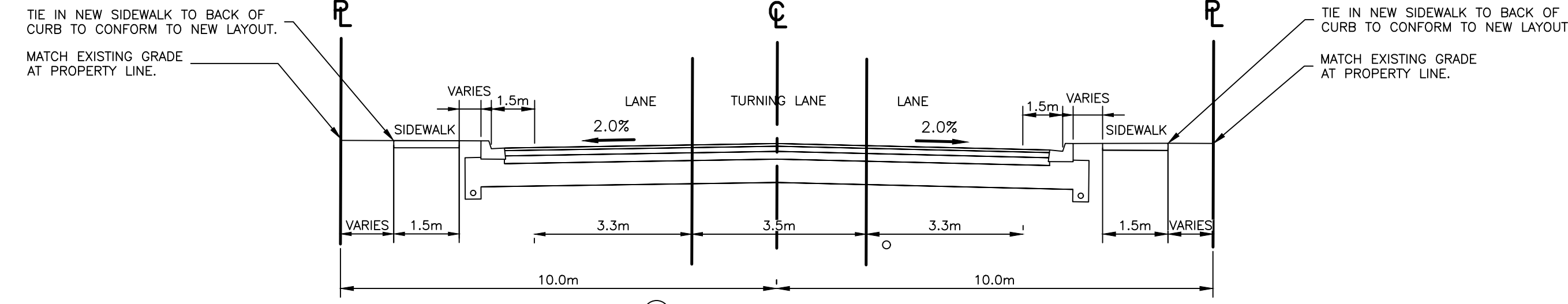
**WATERMAIN OVERCROSSING DETAIL**

SCALE: NTS



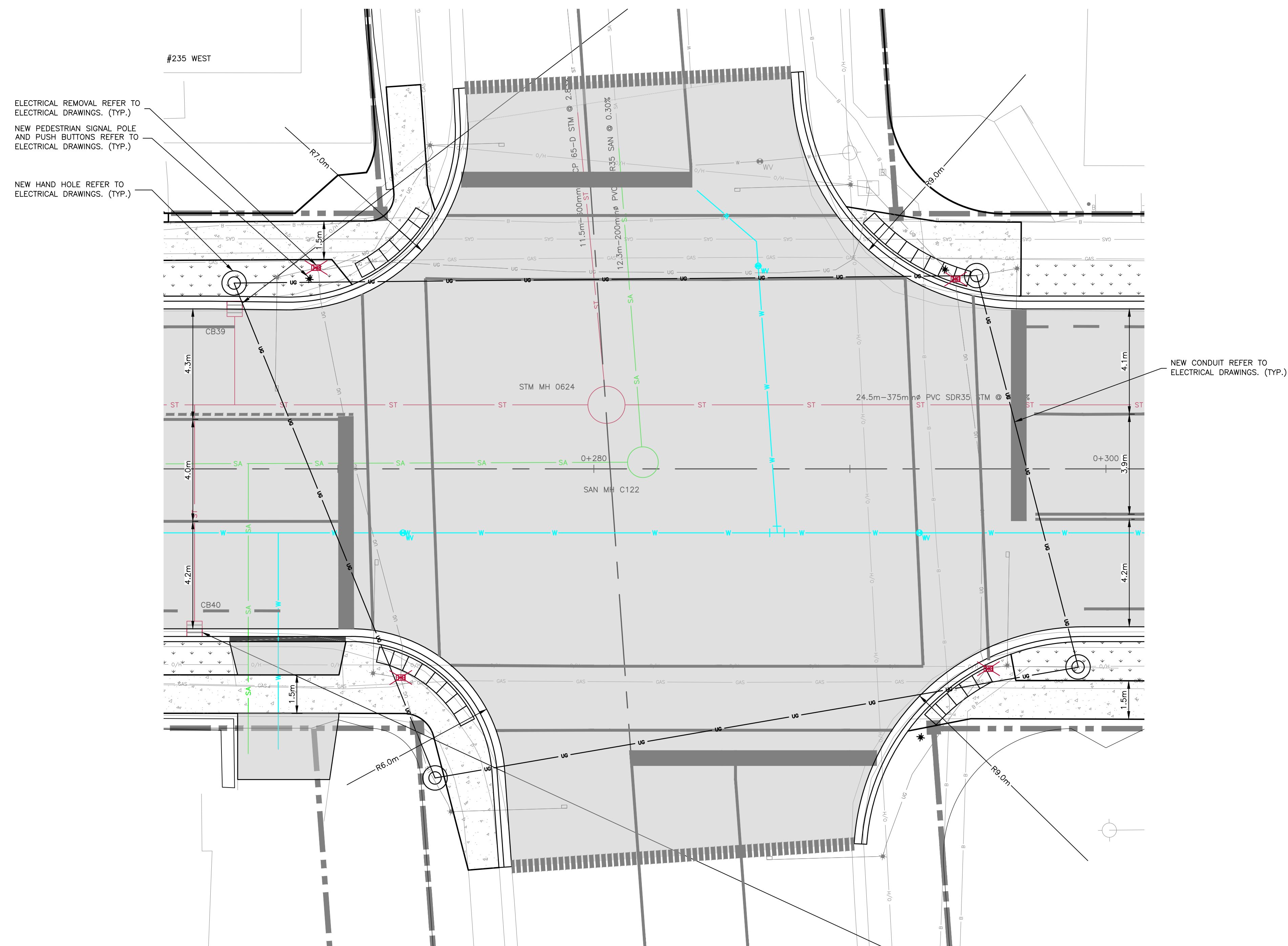
**WATERMAIN UNDERCROSSING DETAIL**

SCALE: NTS



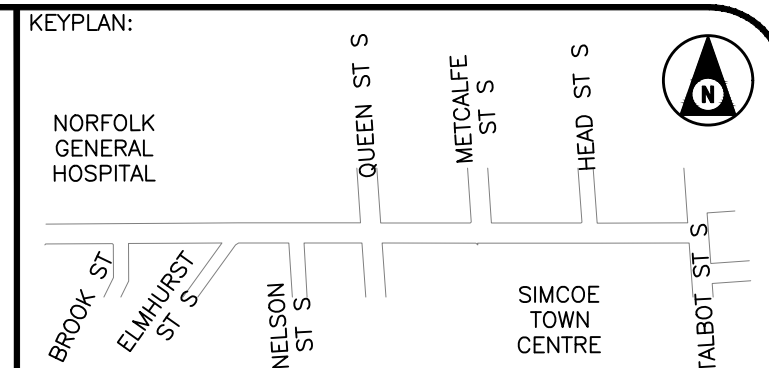
**TYPICAL CROSS-SECTION**

SCALE: 1:100



**QUEEN STREET INTERSECTION DETAIL 1**

SCALE: 1:100



BENCHMARK: THIS SURVEYED ON JULY 2022, BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



PROJECT NAME: RECONSTRUCTION OF WEST STREET - PHASE 2 BROOK STREET TO TALBOT STREET

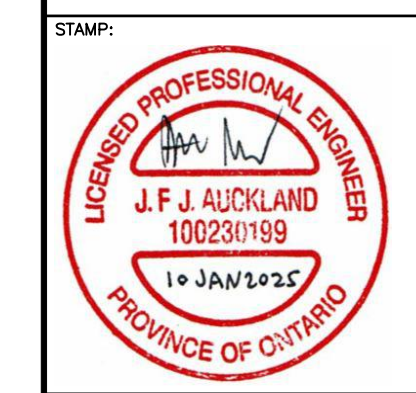
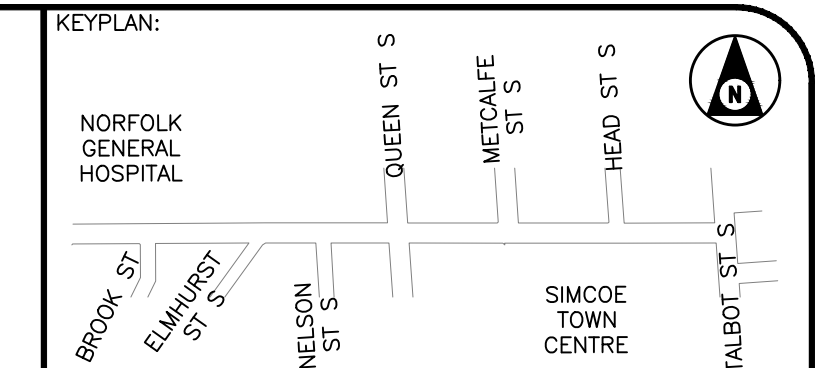
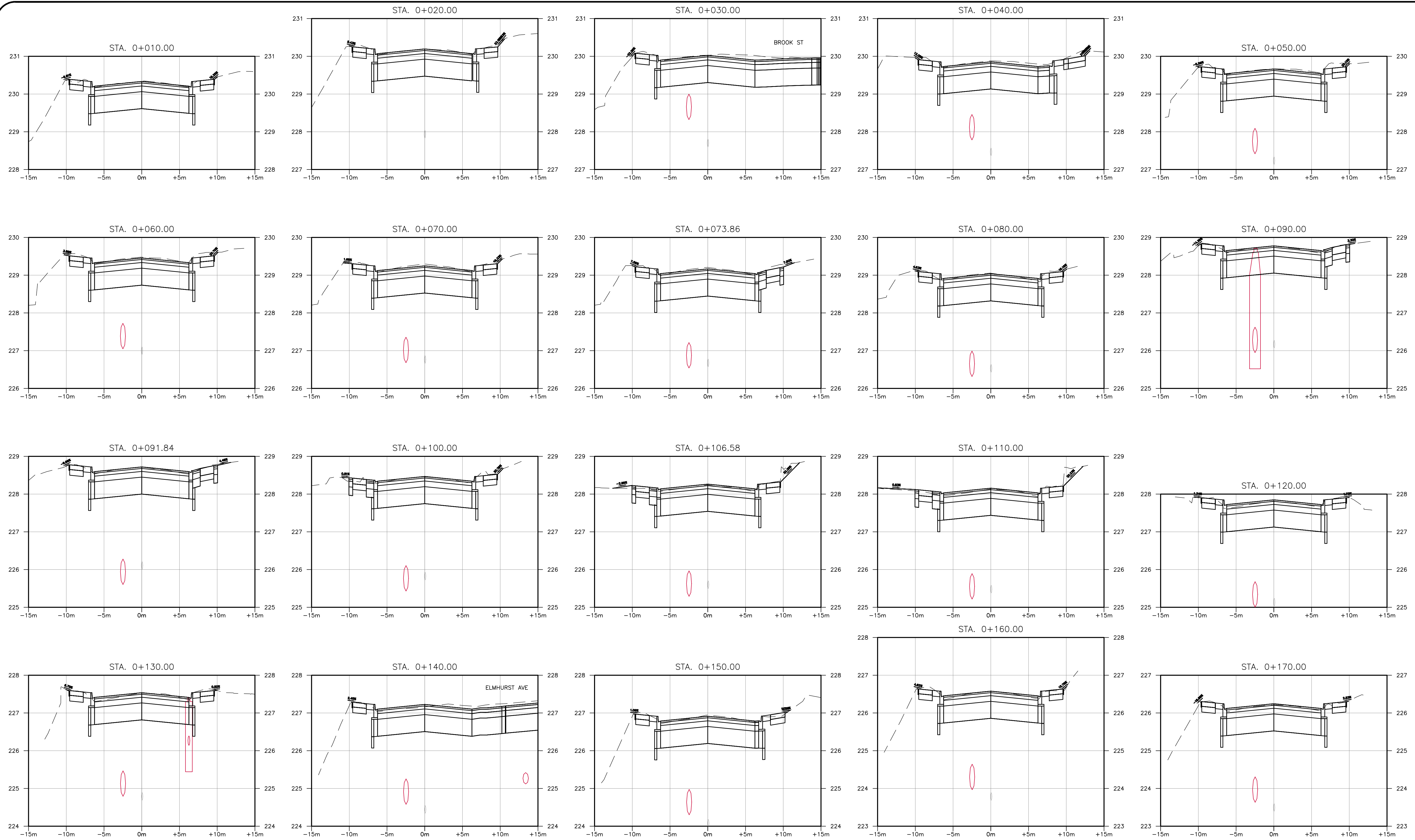
CLIENT REF: EIS-ENG-25-34

TITLE: DETAILS

PROJECT NO:	SCALE:	DATE:	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
22-2016	1:250	2025/01/15	
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	SHEET #: 14 of 21

DS.1





BENCHMARK:  
 THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS.  
 VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.  
 THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.  
 THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.  
 THIS DRAWING IS NOT TO BE SCALED.

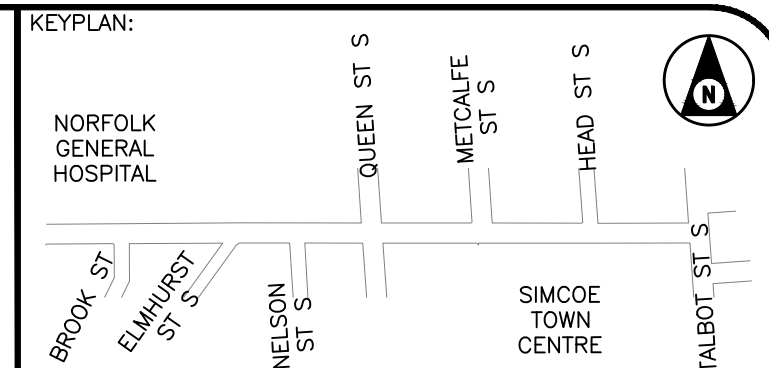
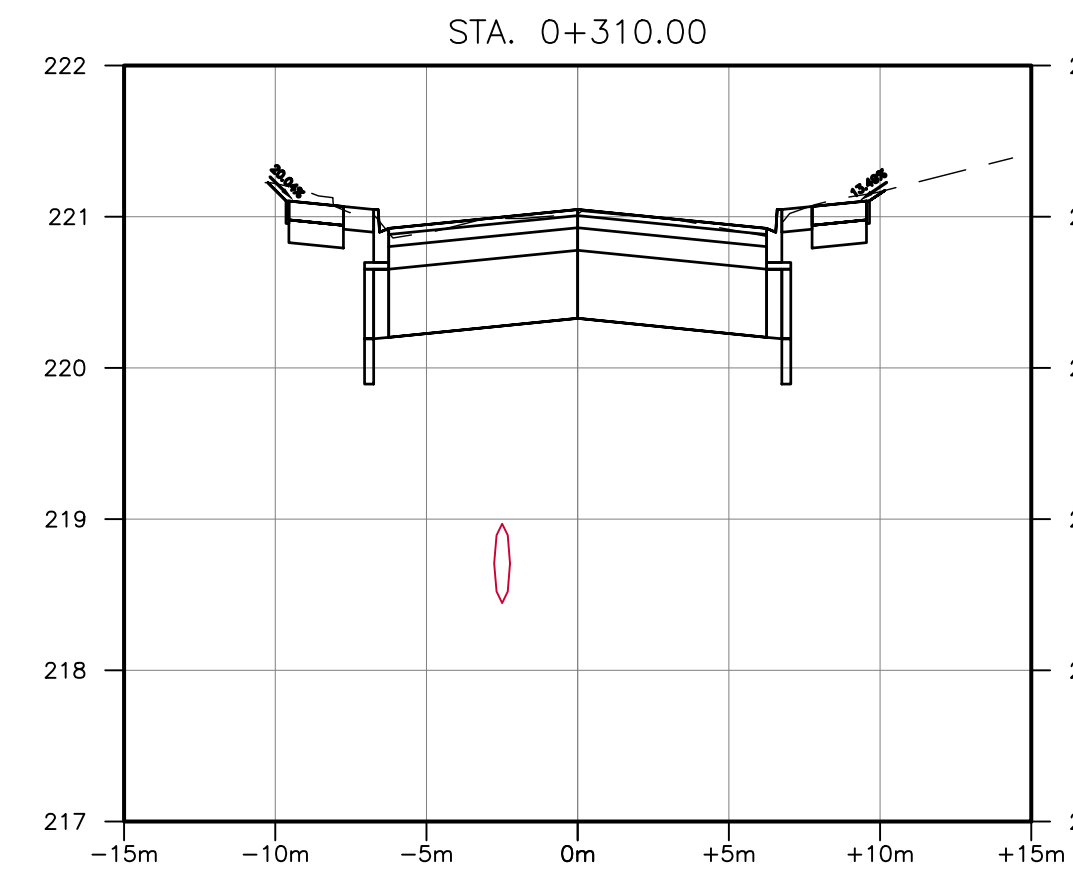
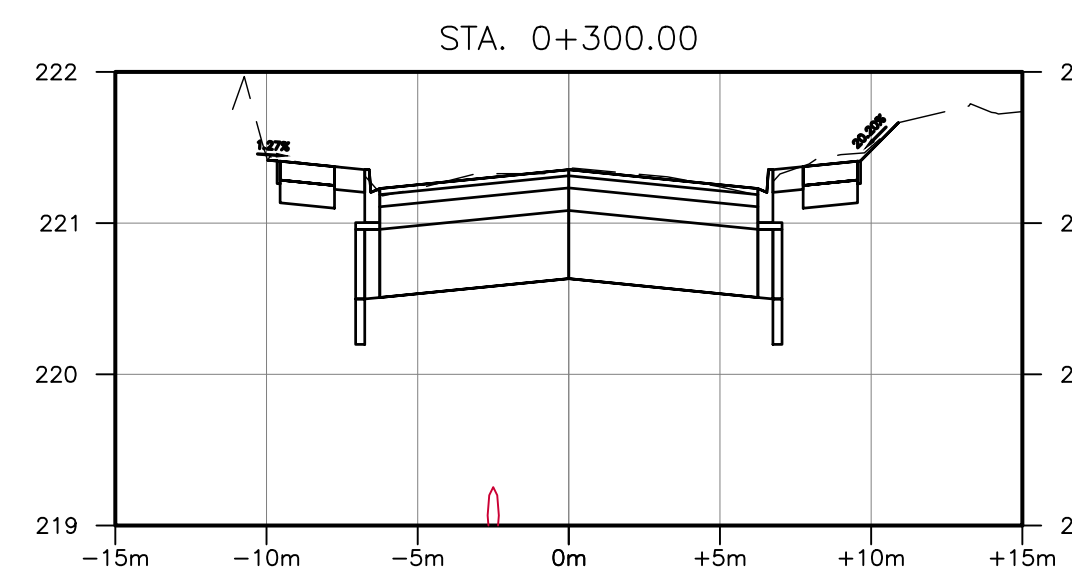
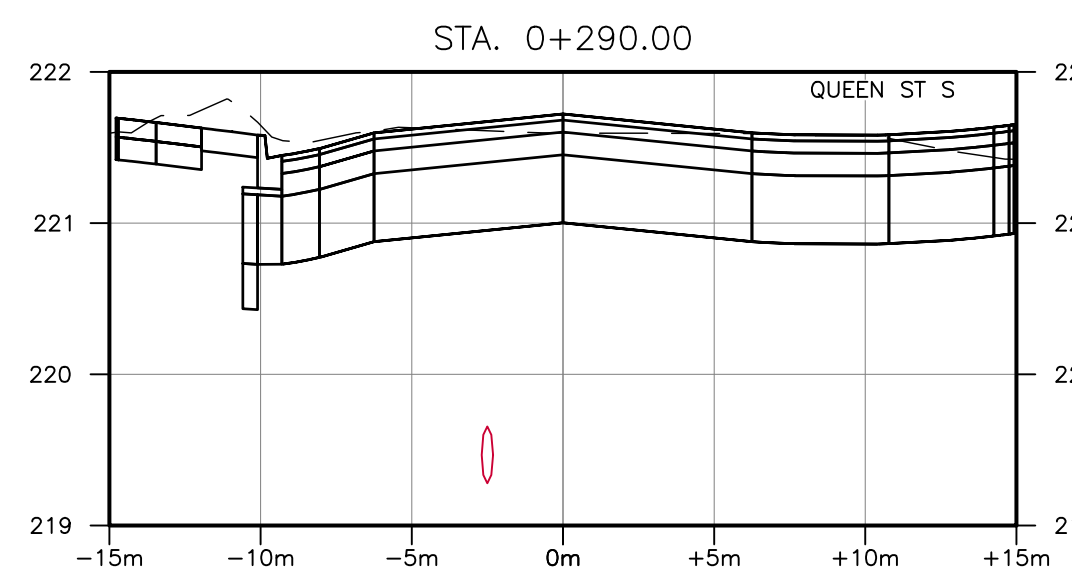
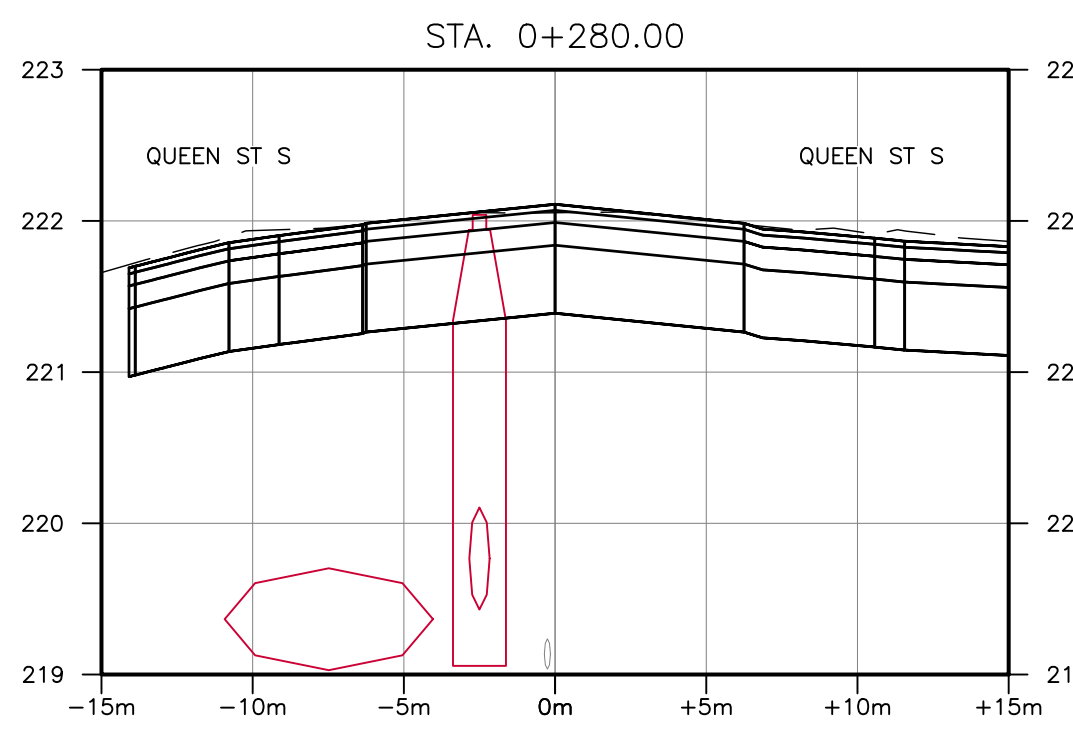
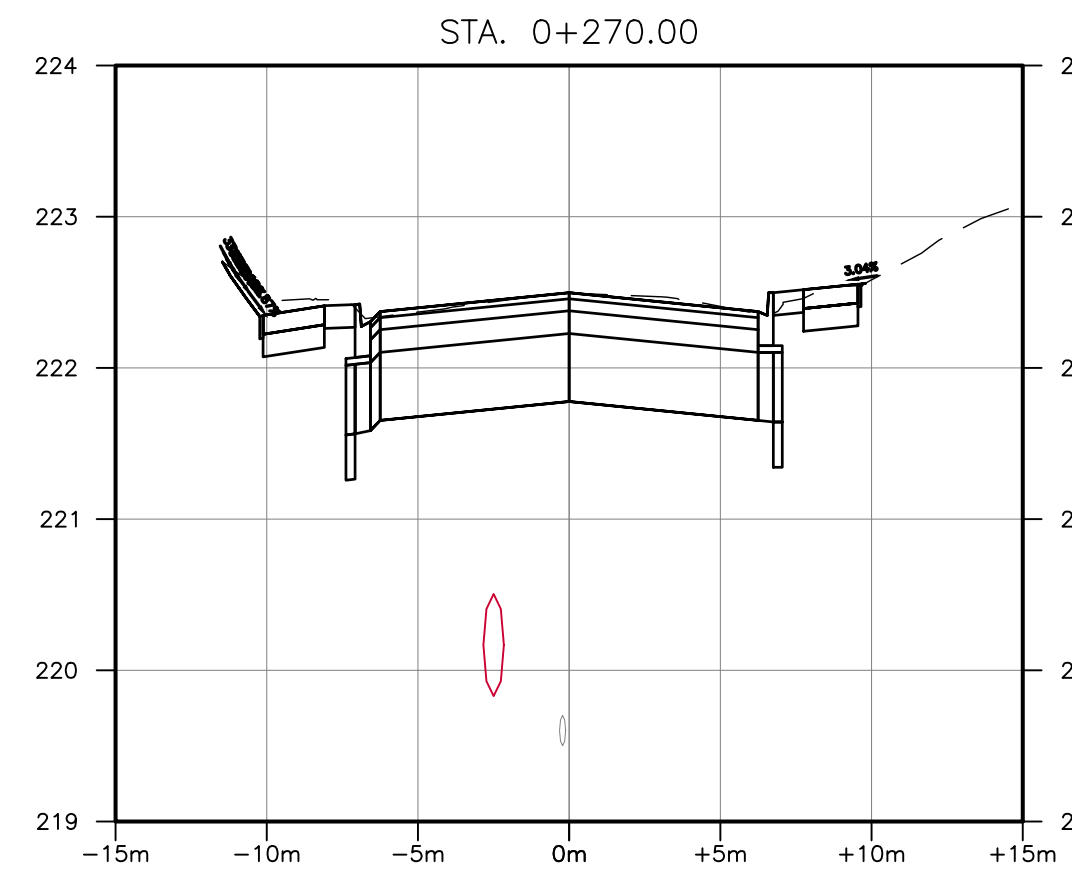
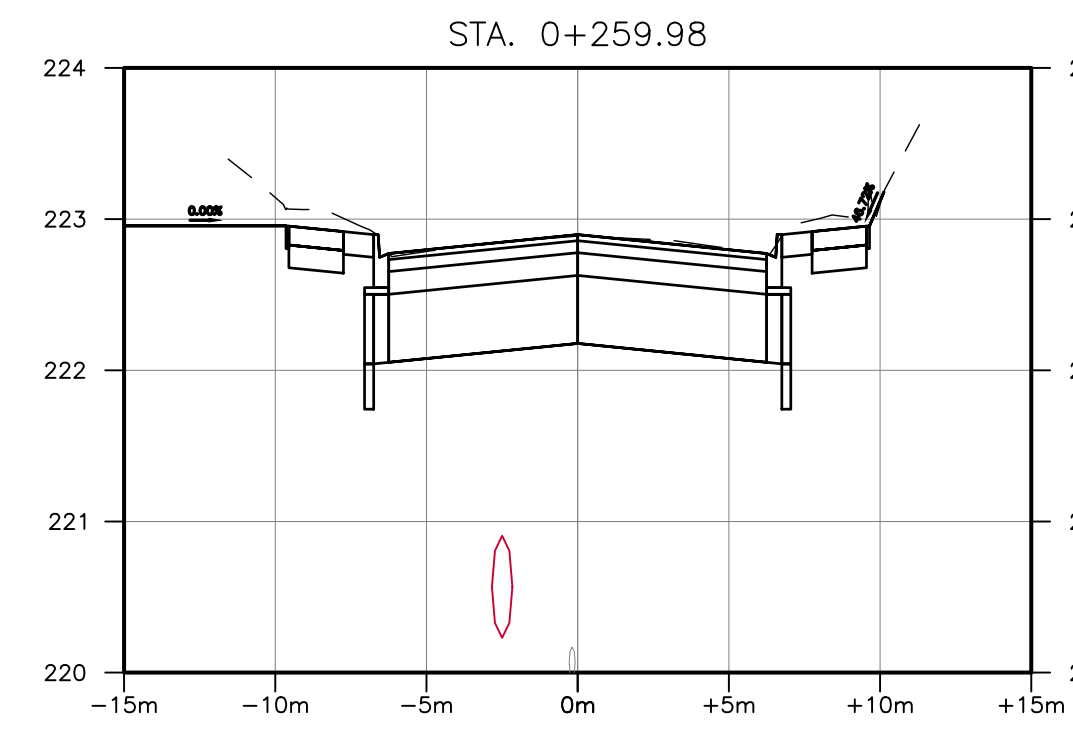
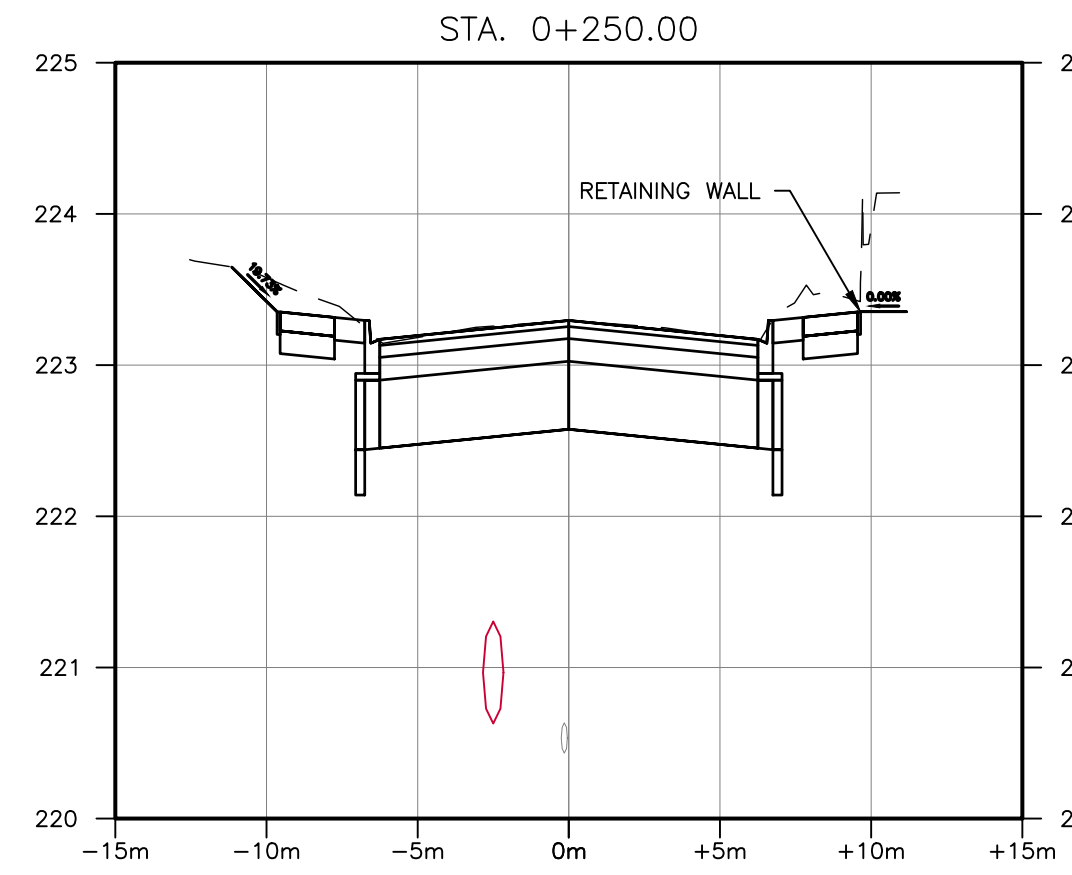
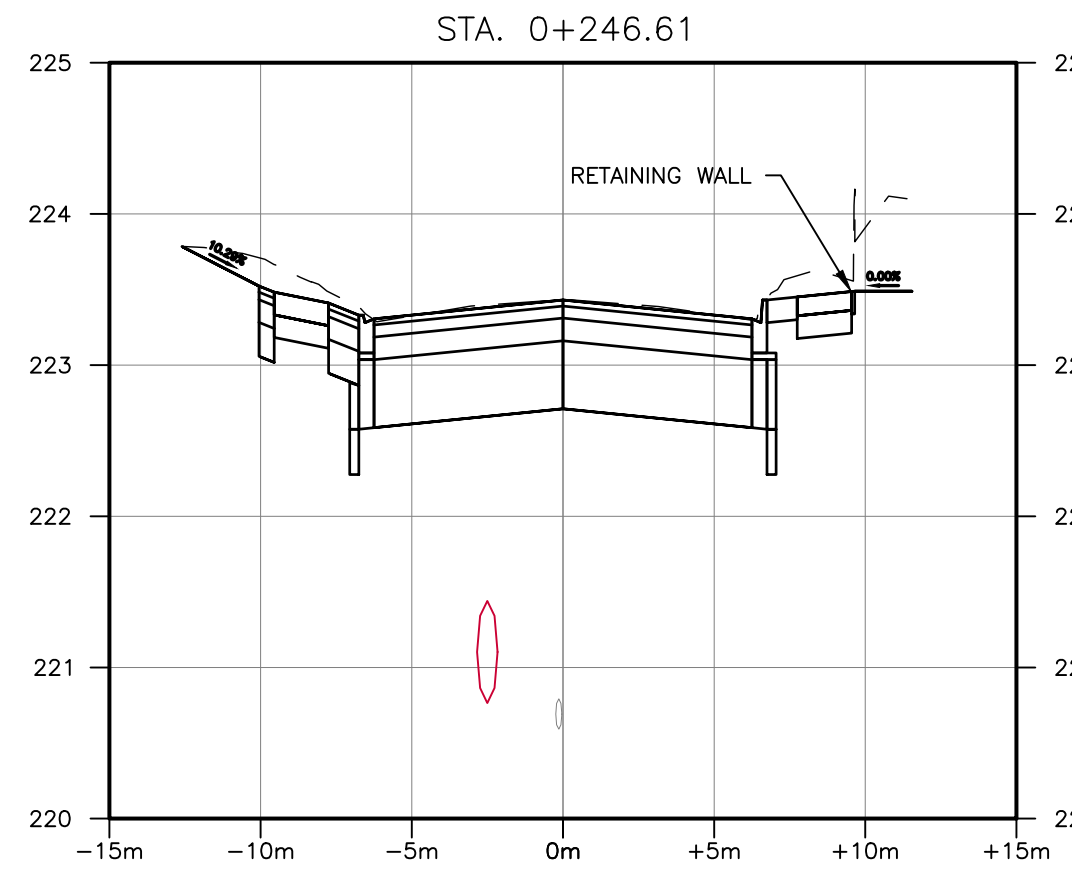
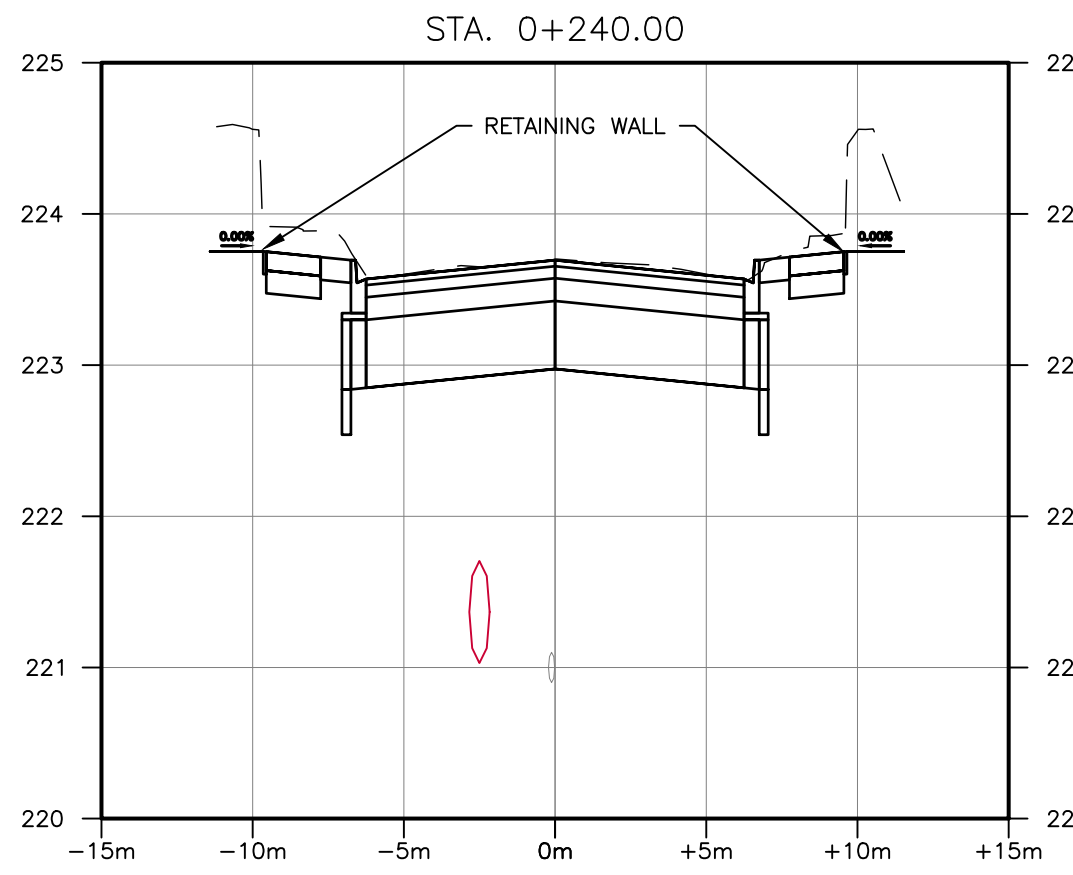
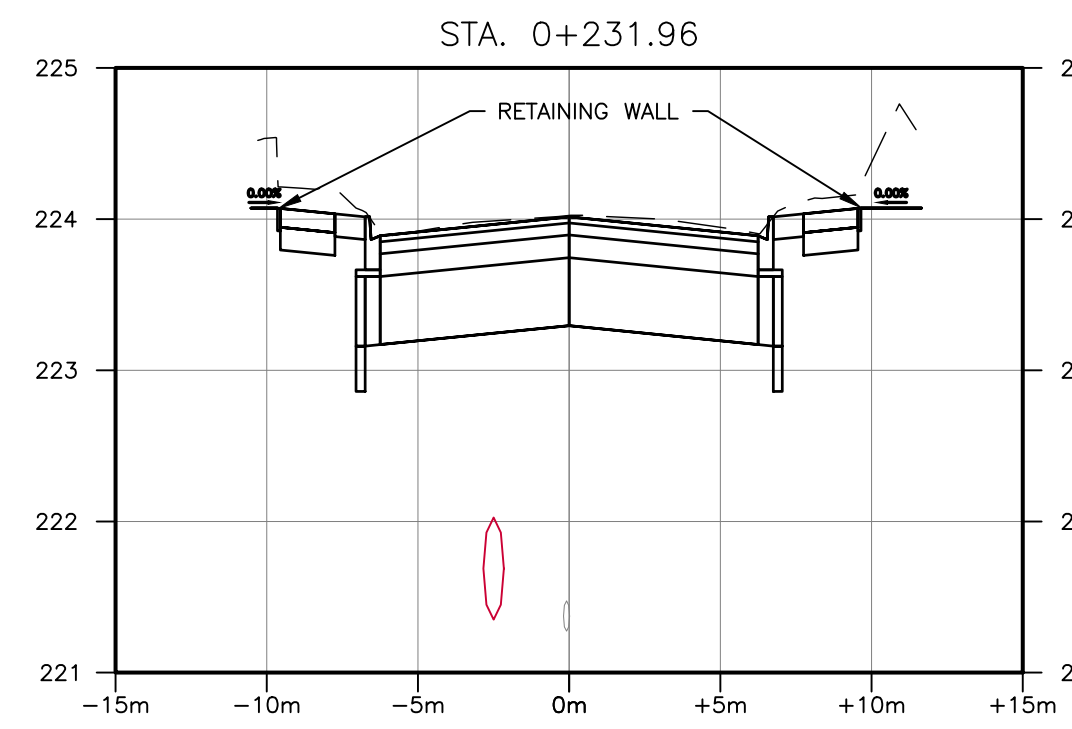
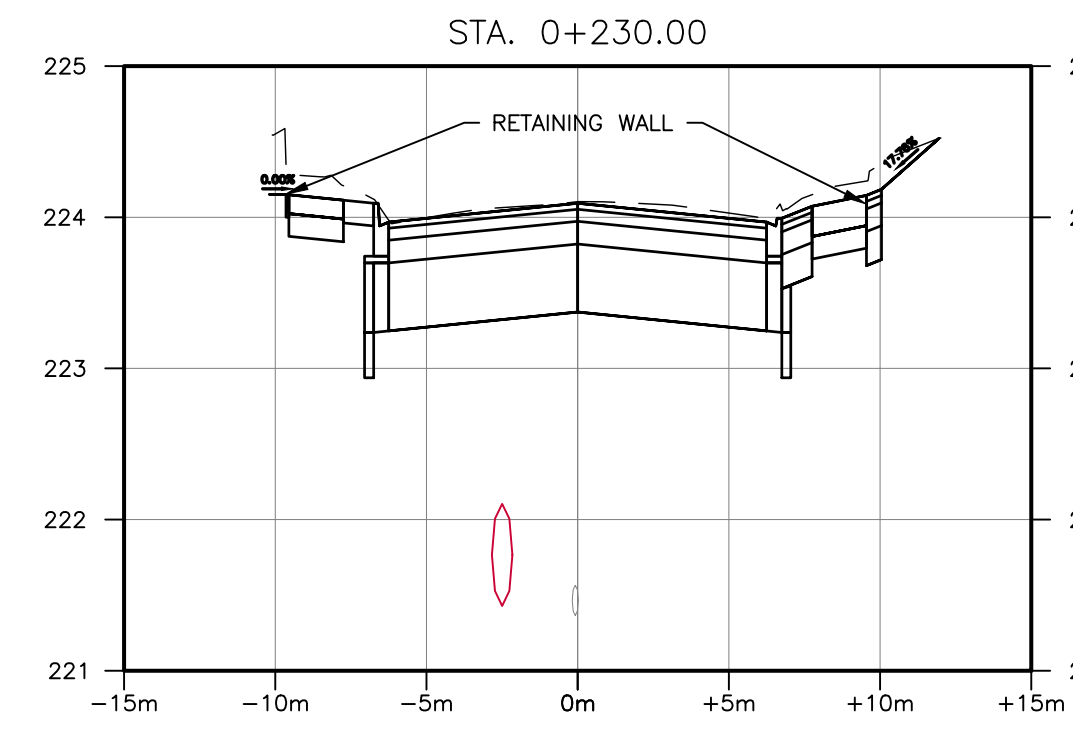
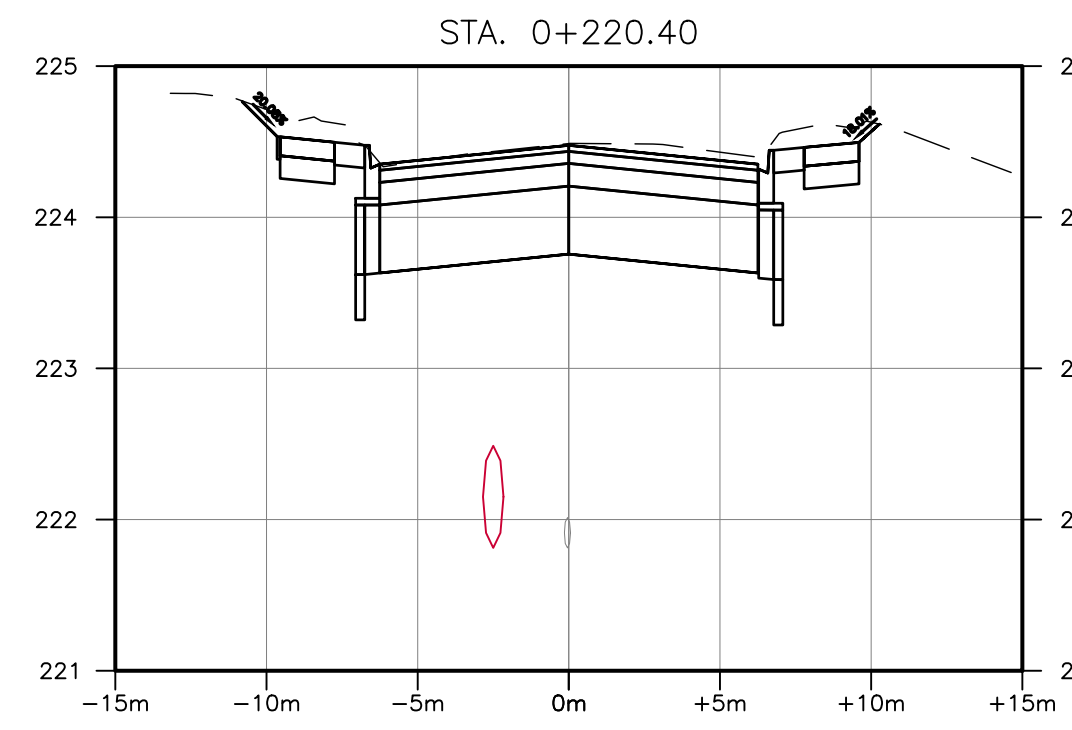
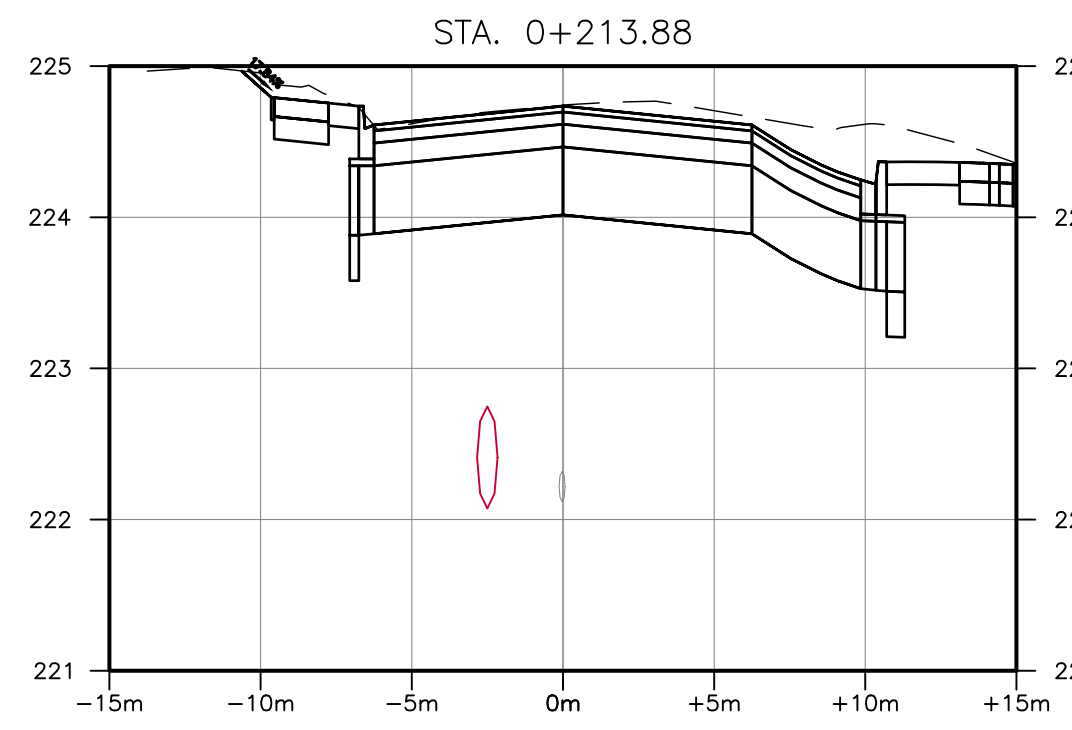
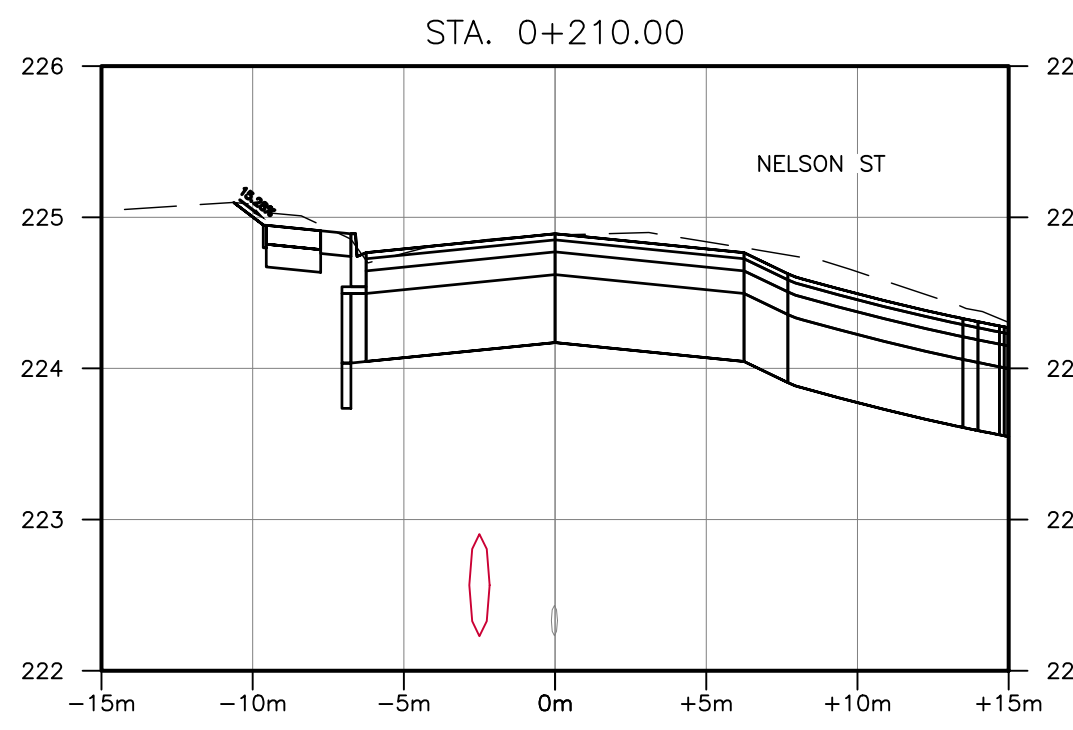
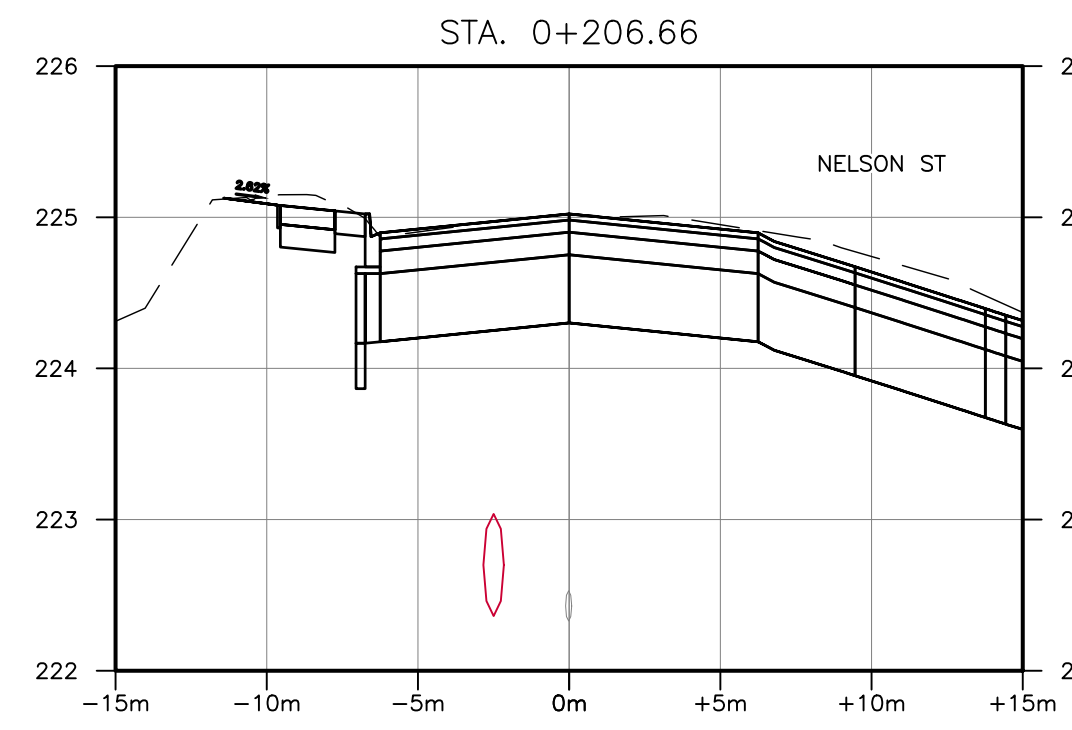
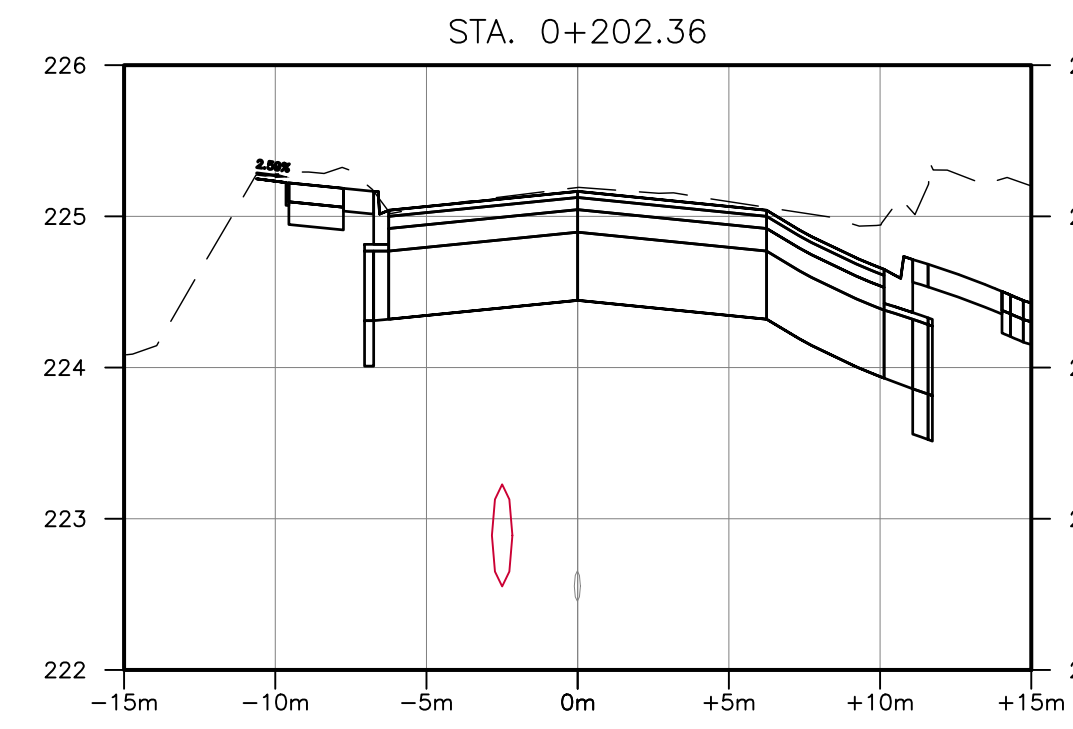
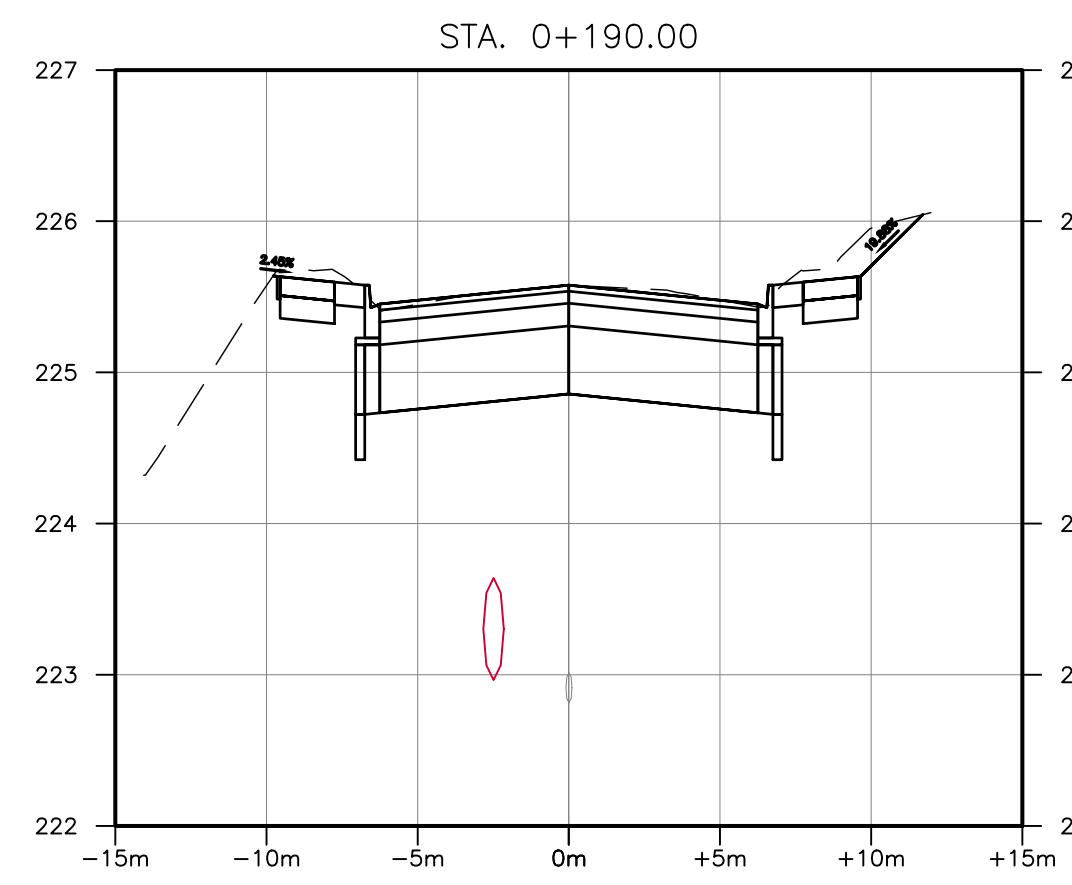
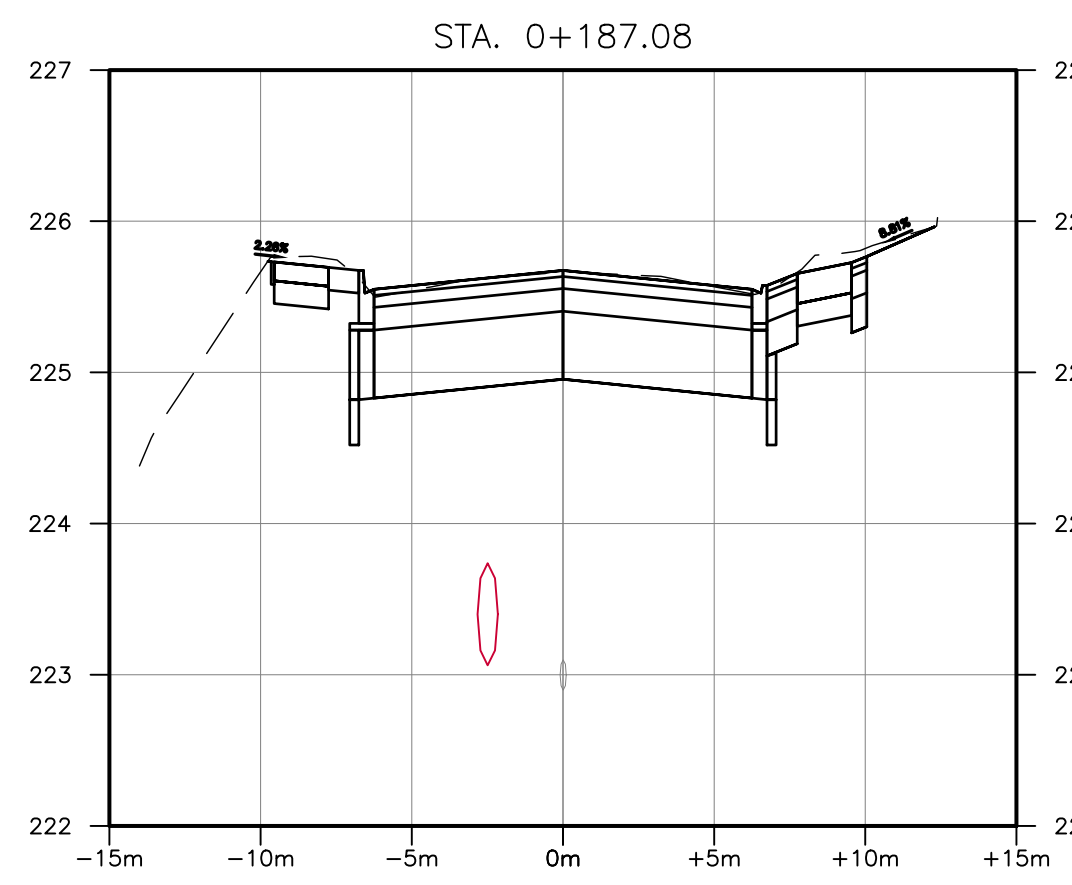
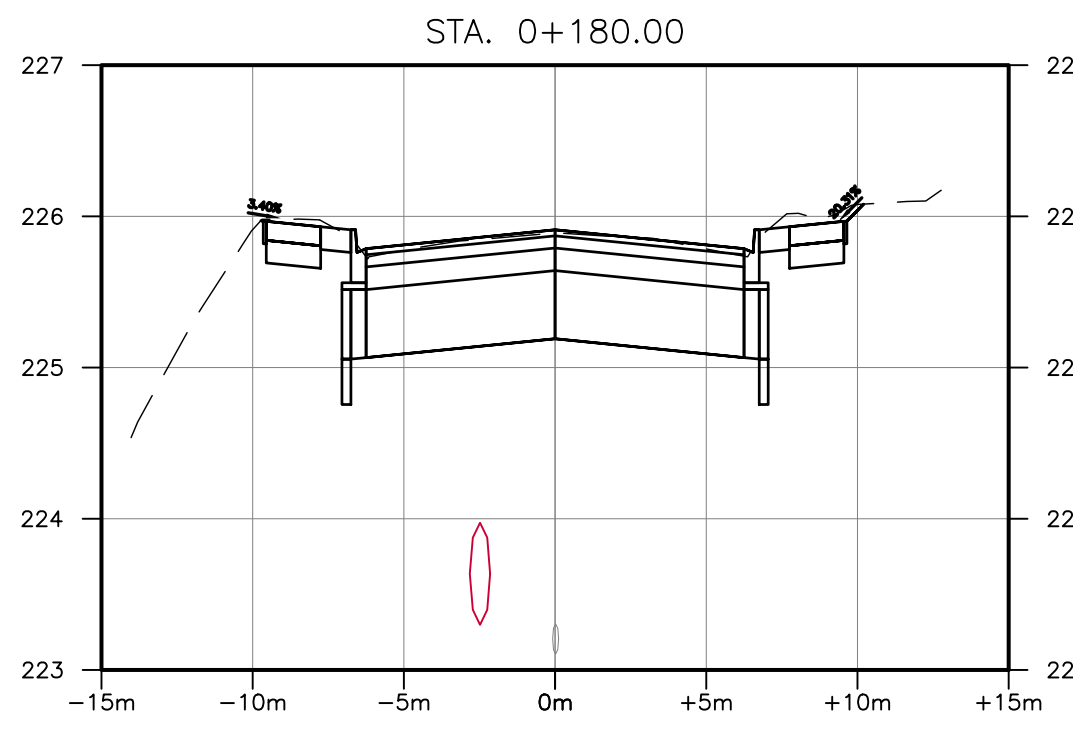
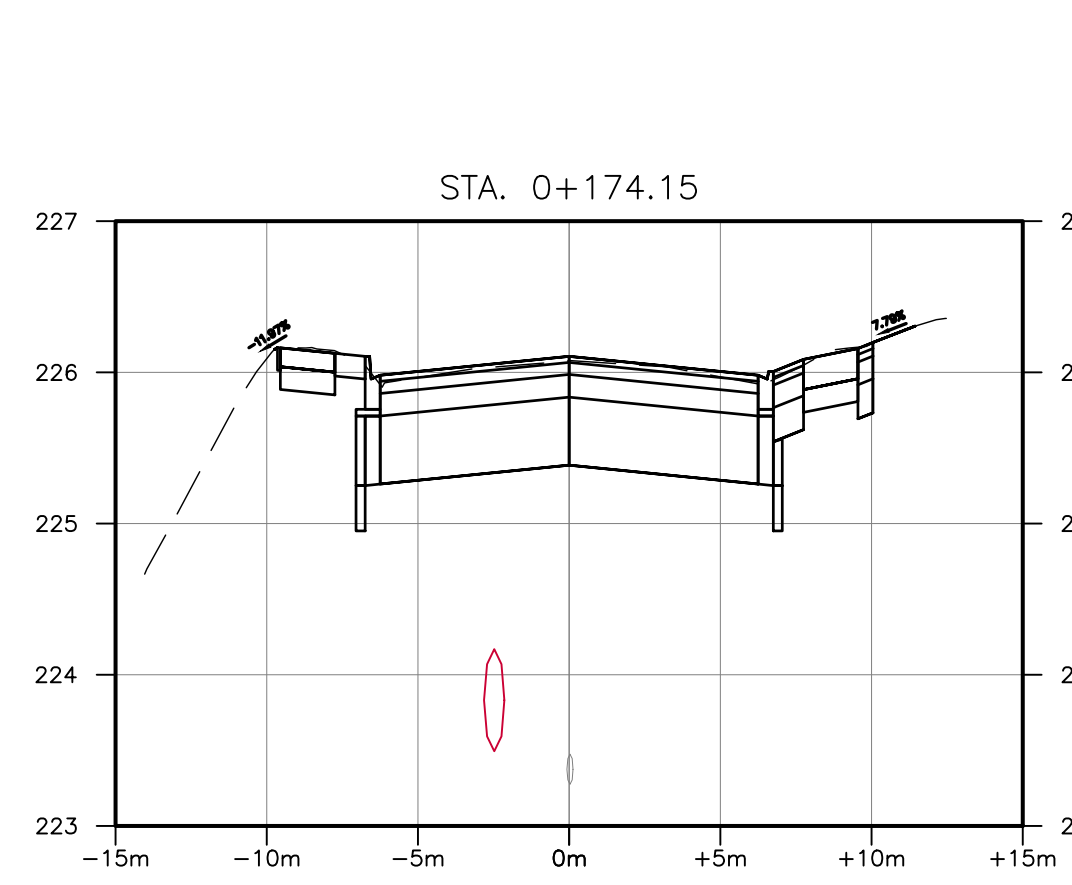
NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2  
 BROOK STREET TO TALBOT STREET**  
 CLIENT REF: EIS-ENG-25-34  
 TITLE:  
**SECTIONS  
 STA. 0+010 TO STA. 0+170**

PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	
DRAWING No: CS.1			SHEET #: 15 of 21





BENCHMARK:  
 THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS.  
 VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.  
 THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.  
 THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.  
 THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER

WT INFRASTRUCTURE  
 PRACTICAL INNOVATION

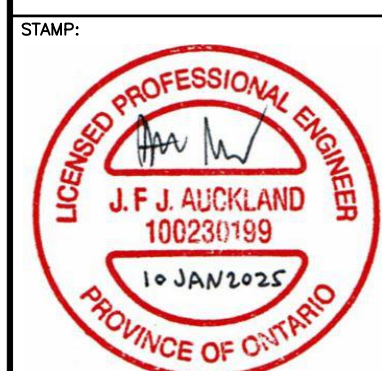
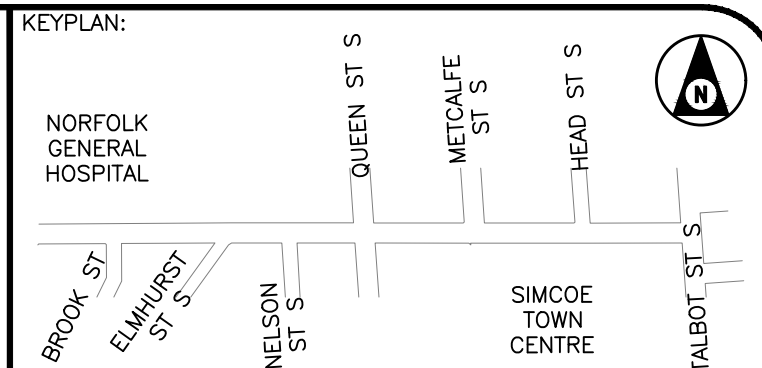
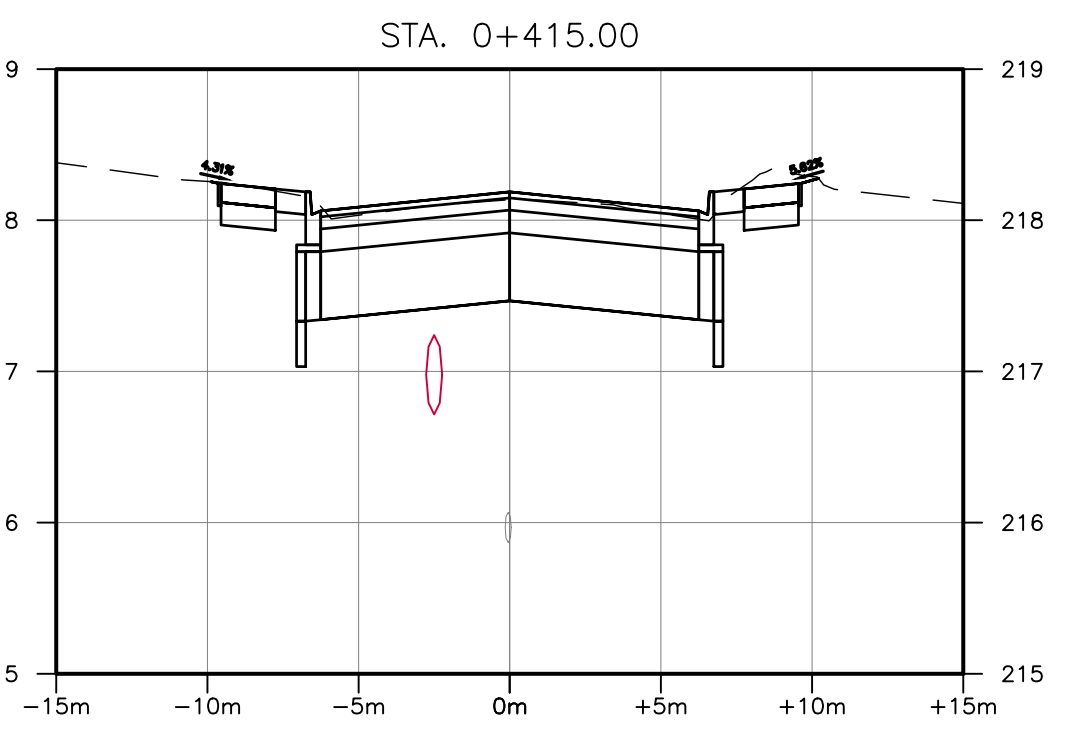
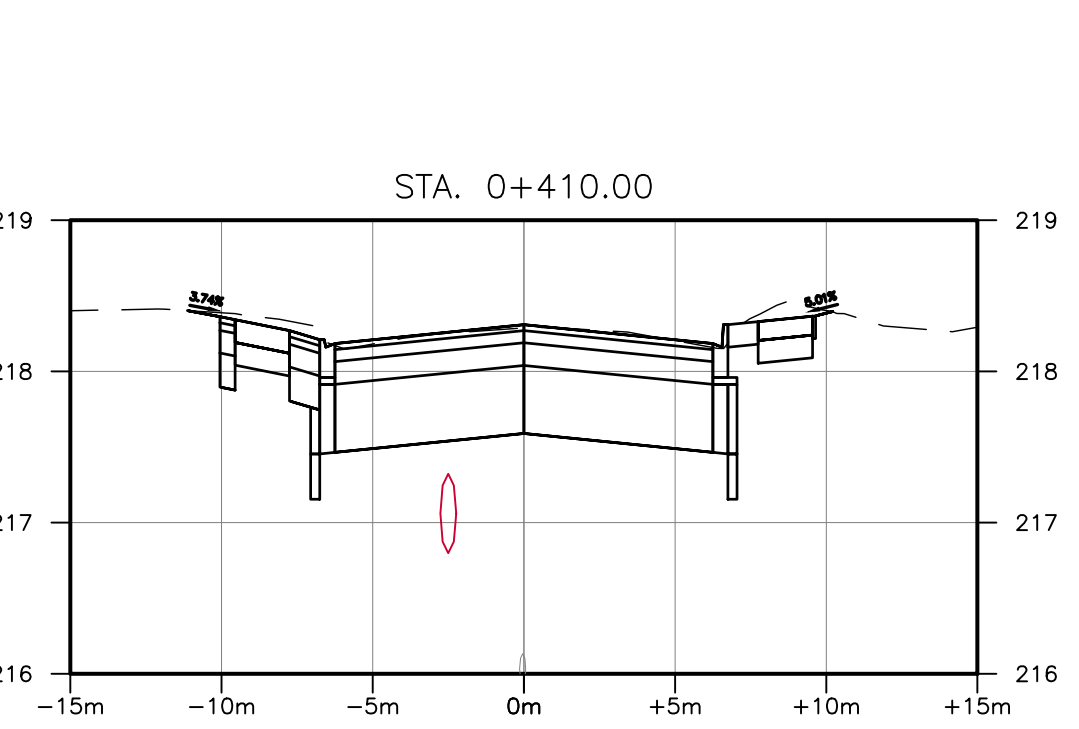
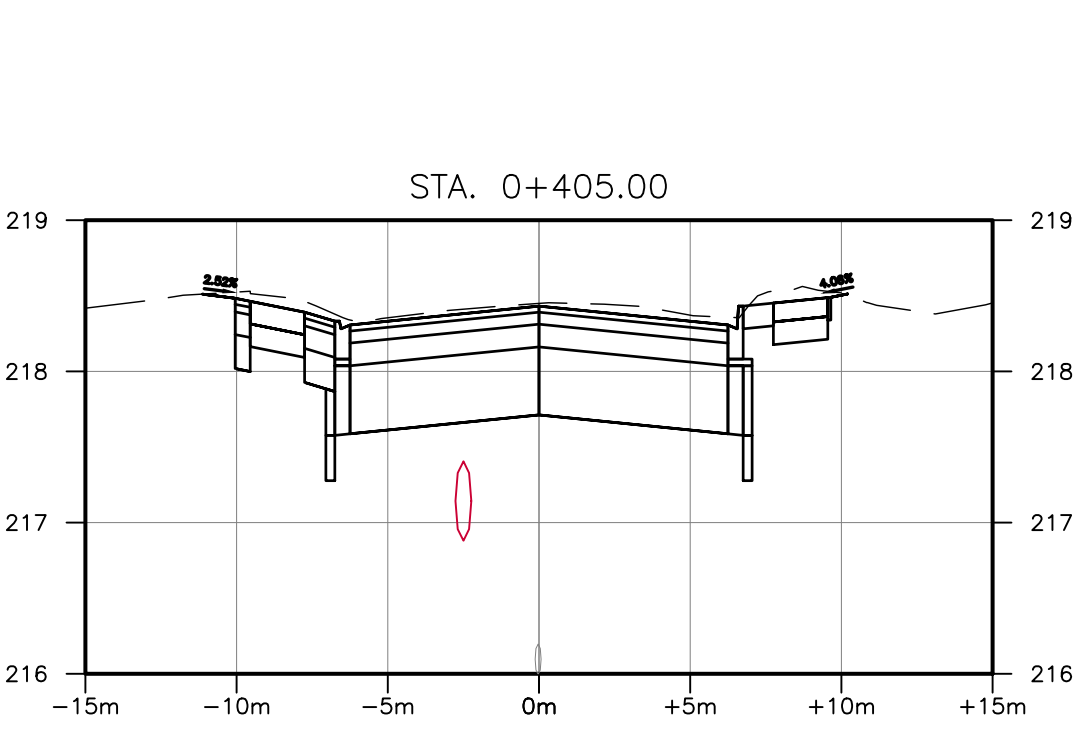
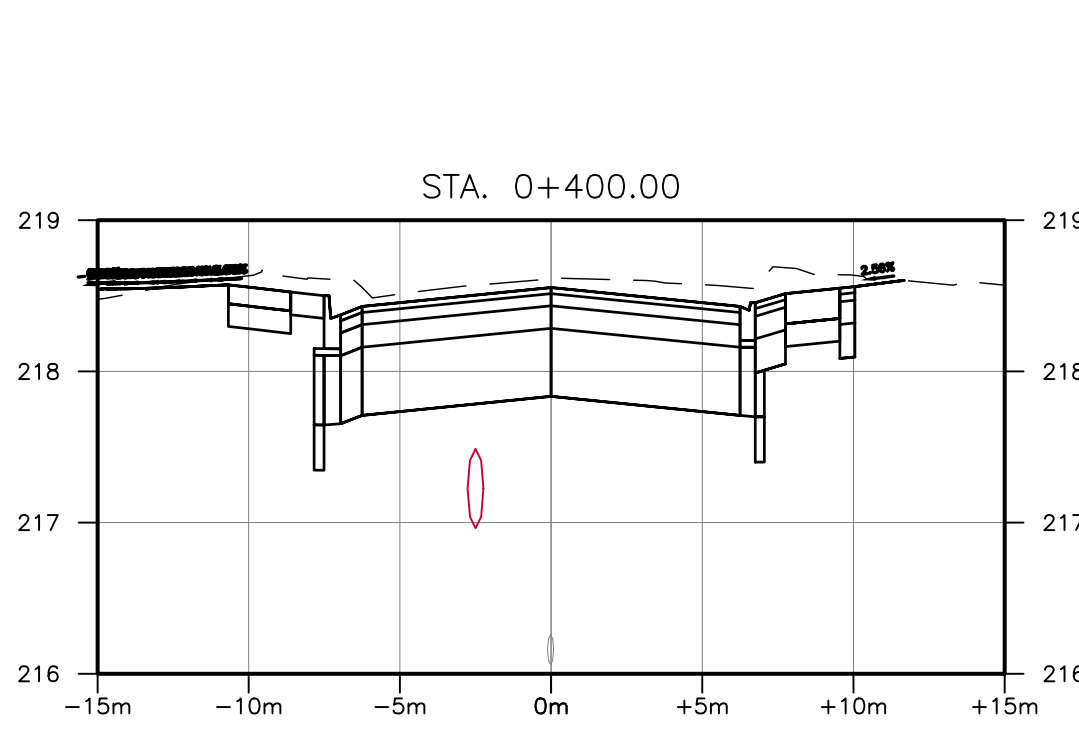
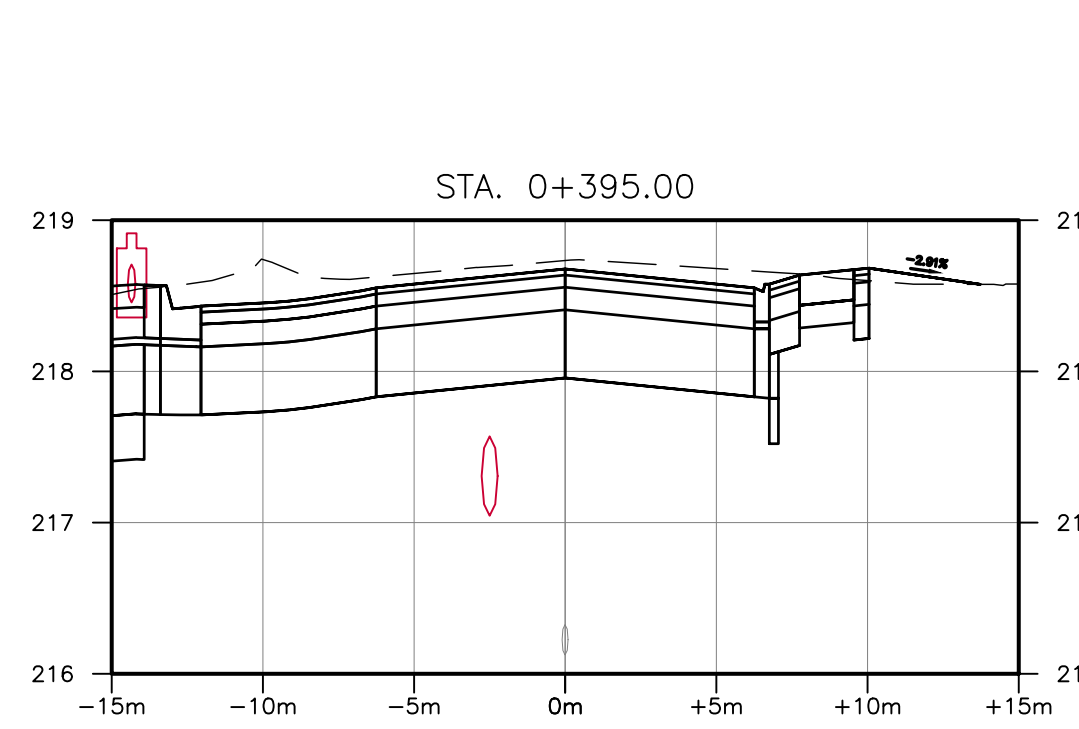
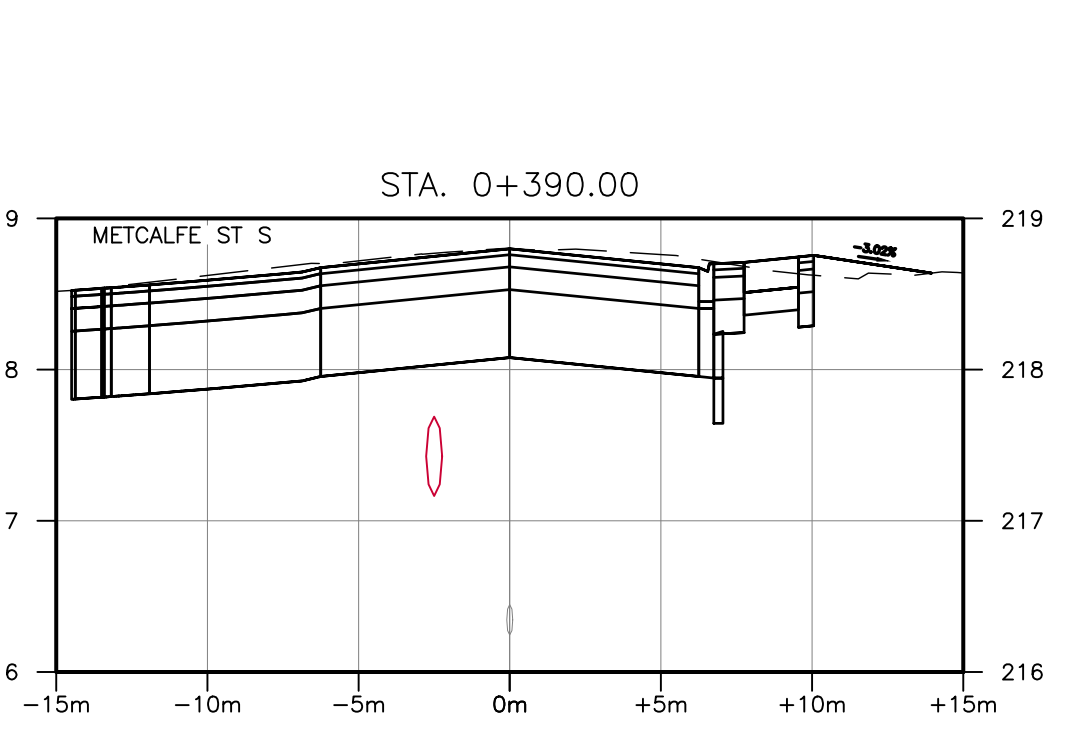
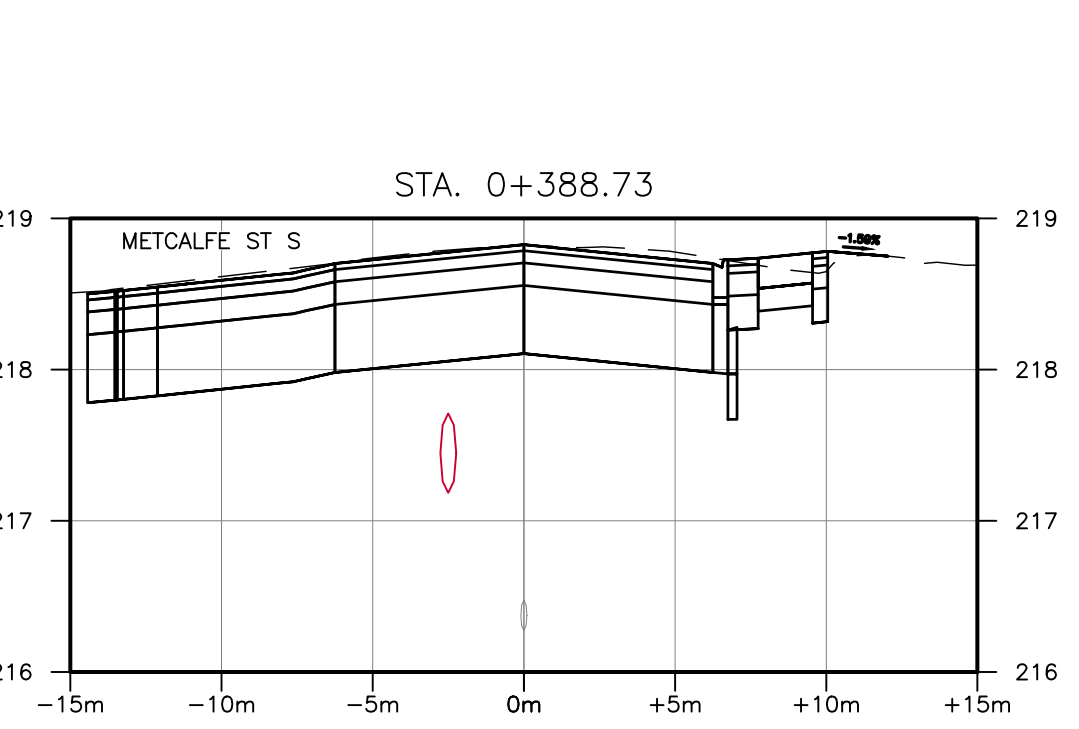
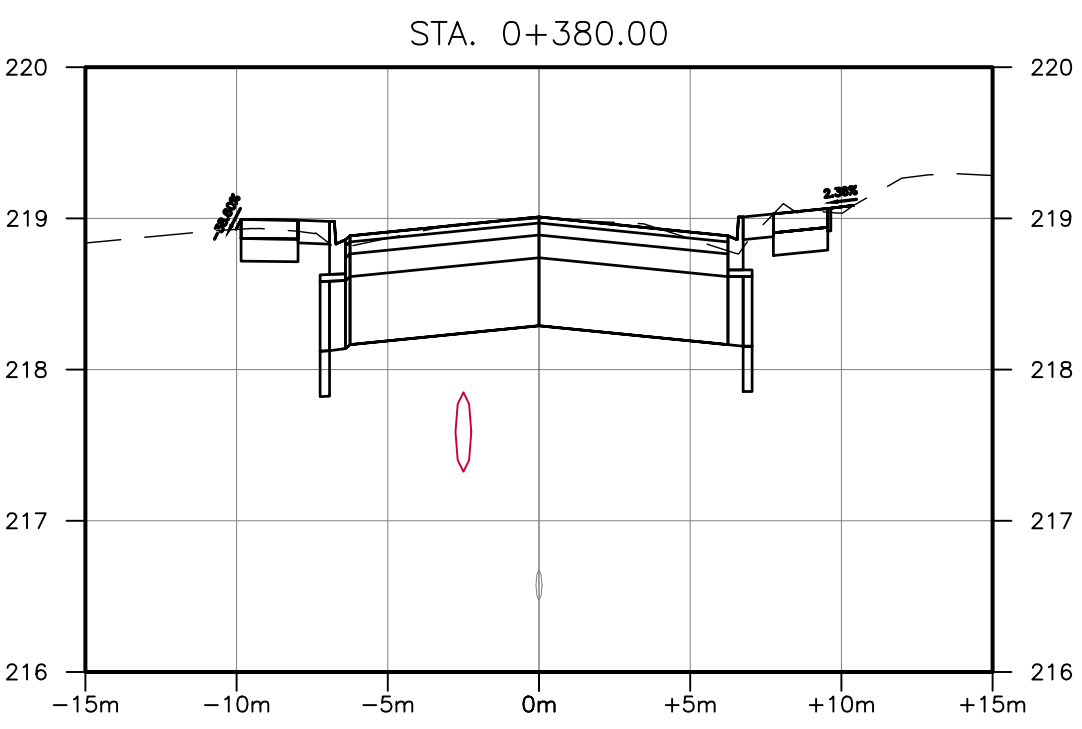
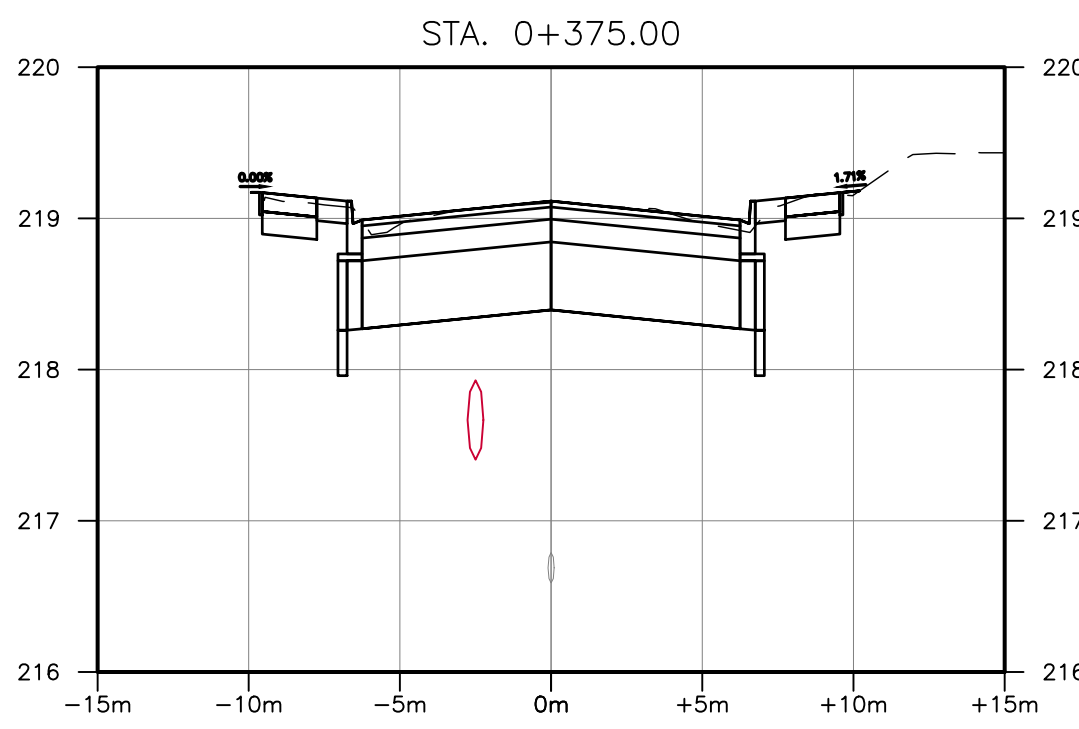
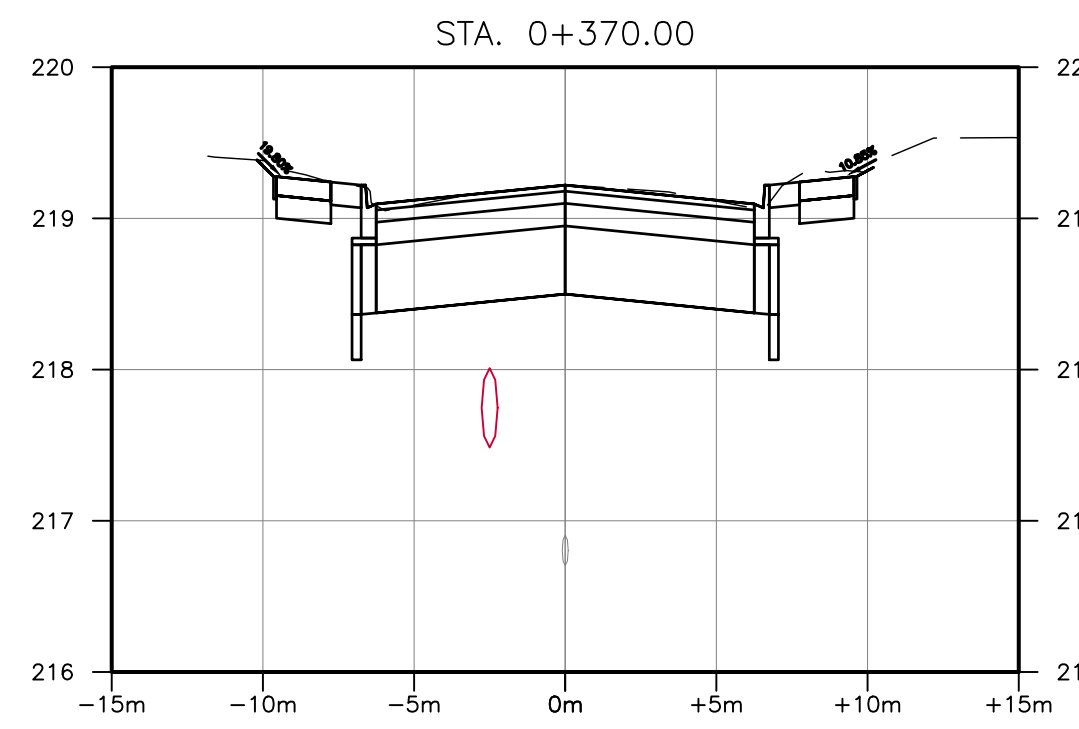
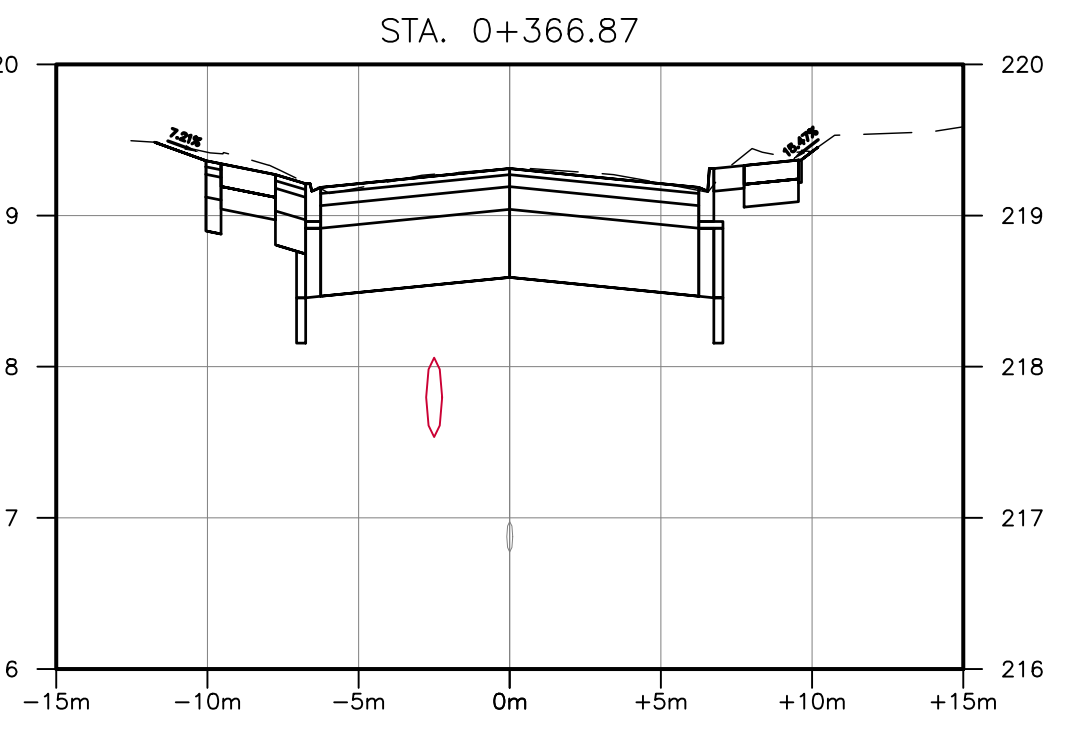
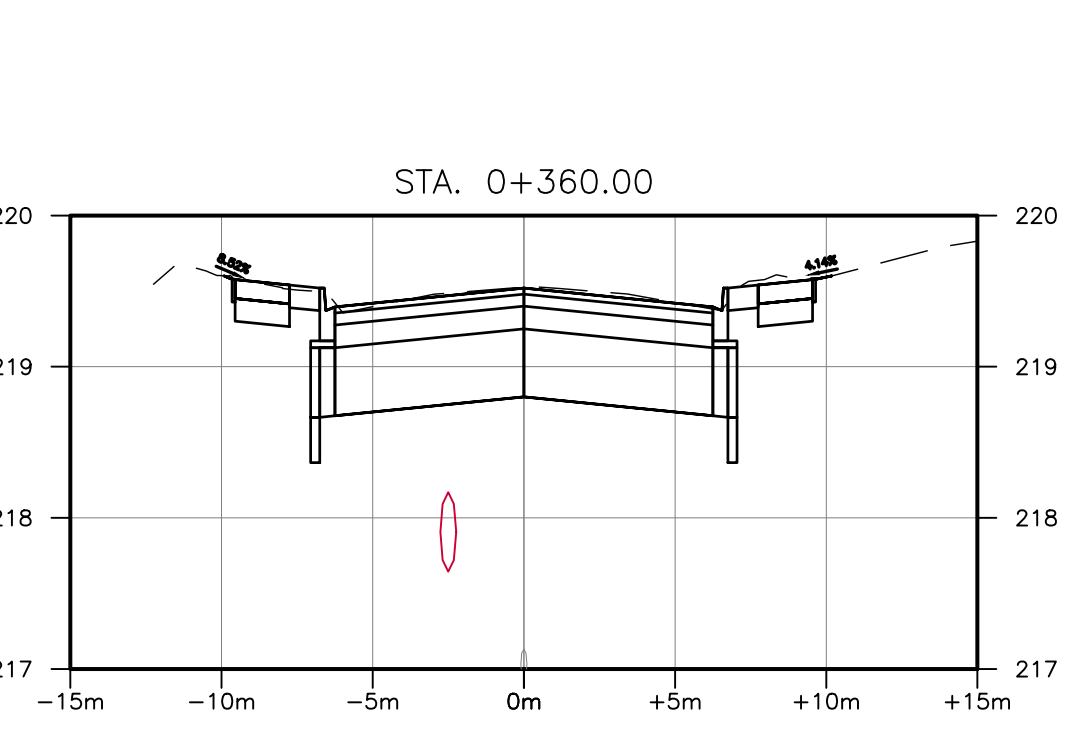
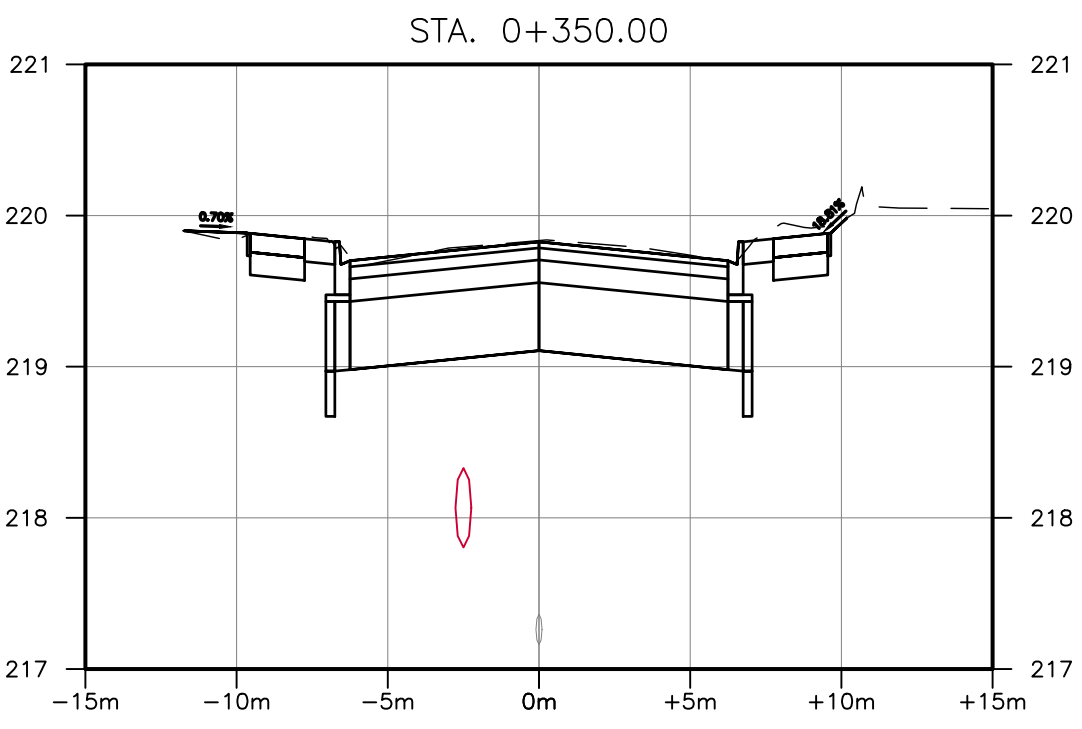
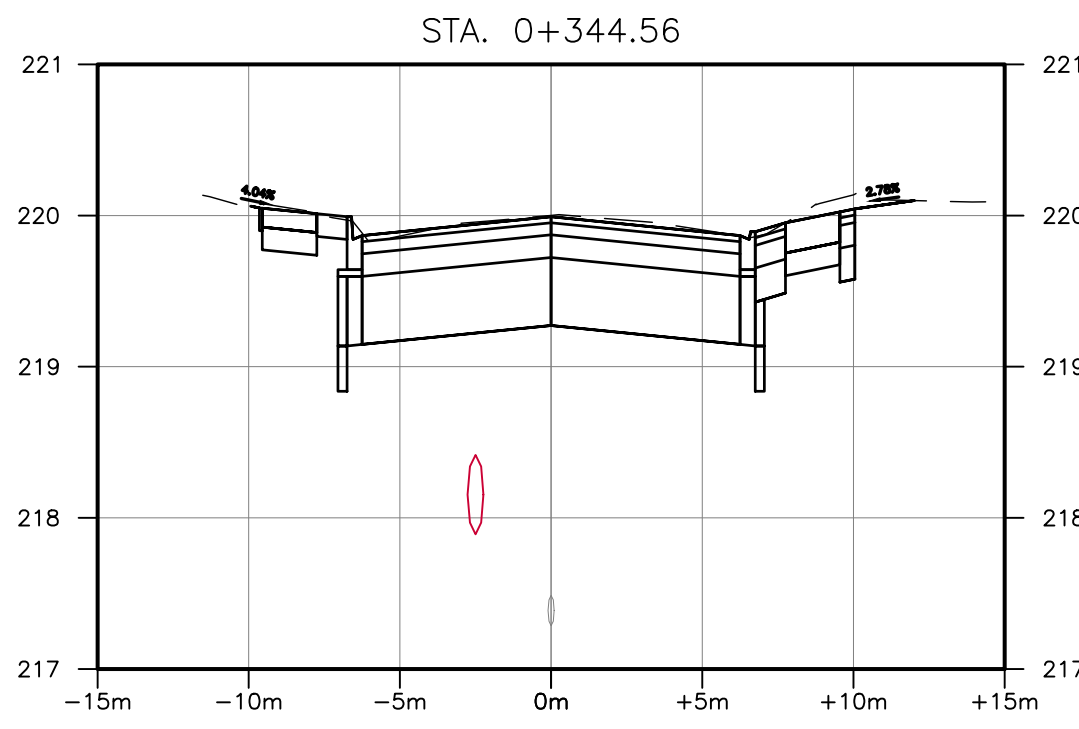
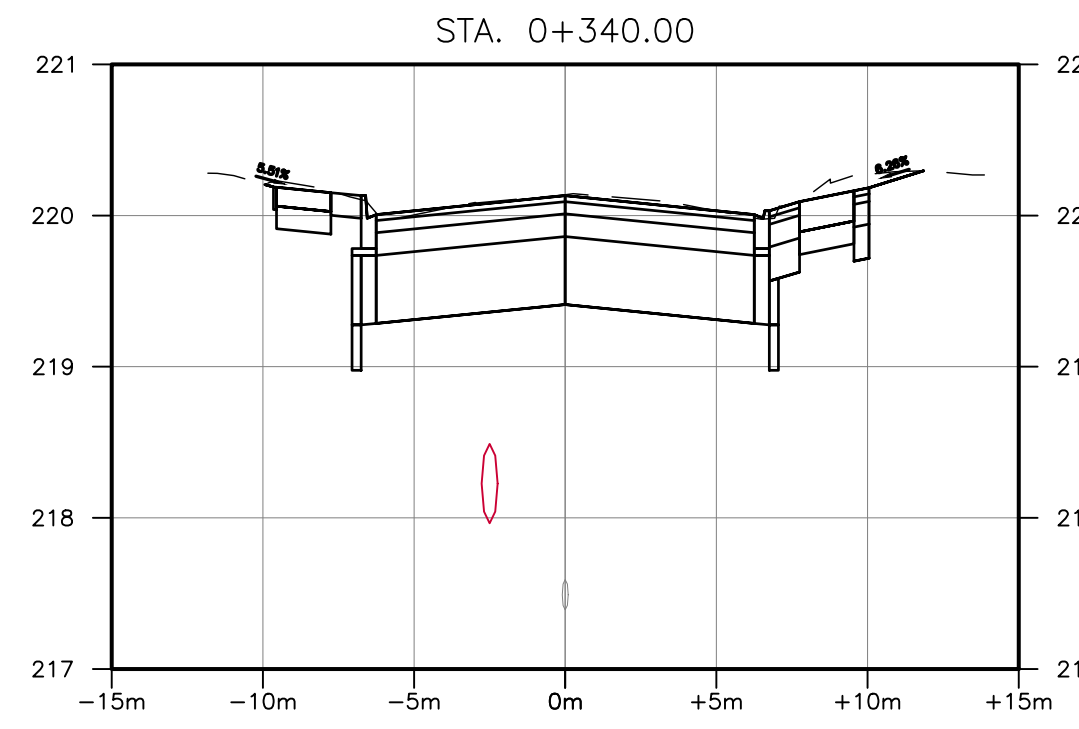
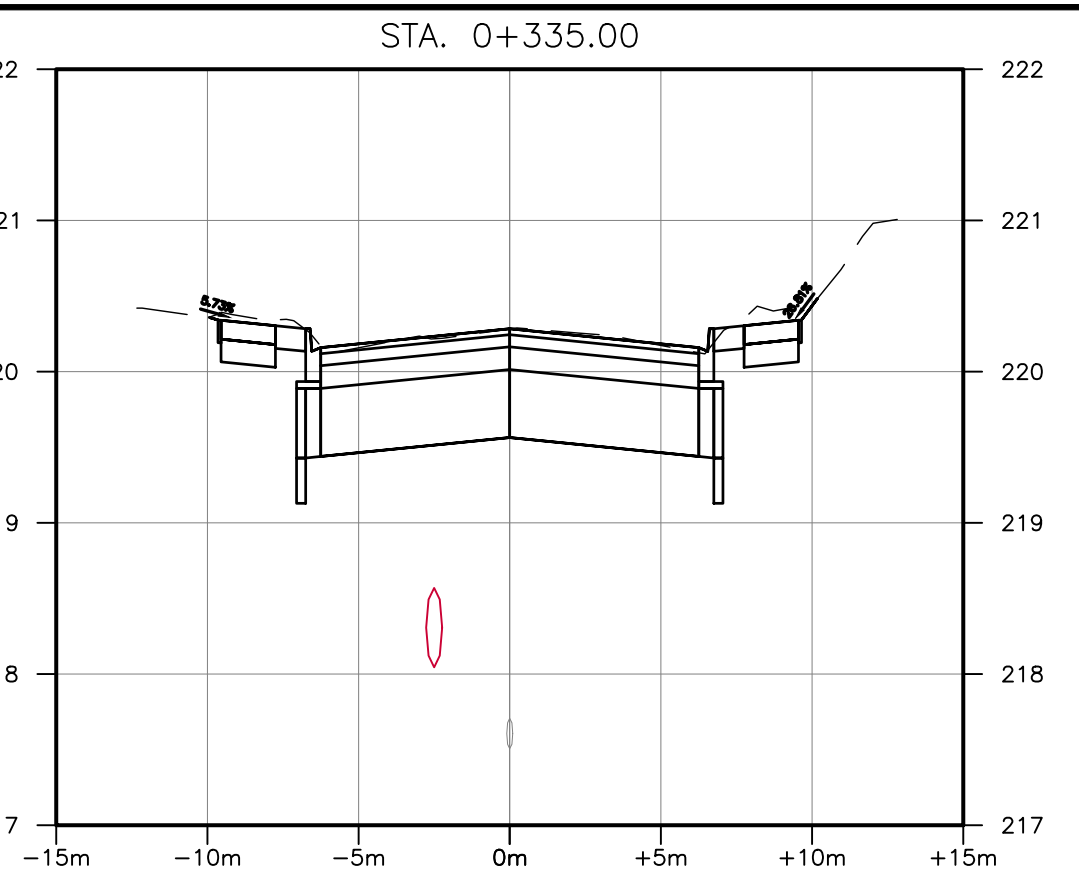
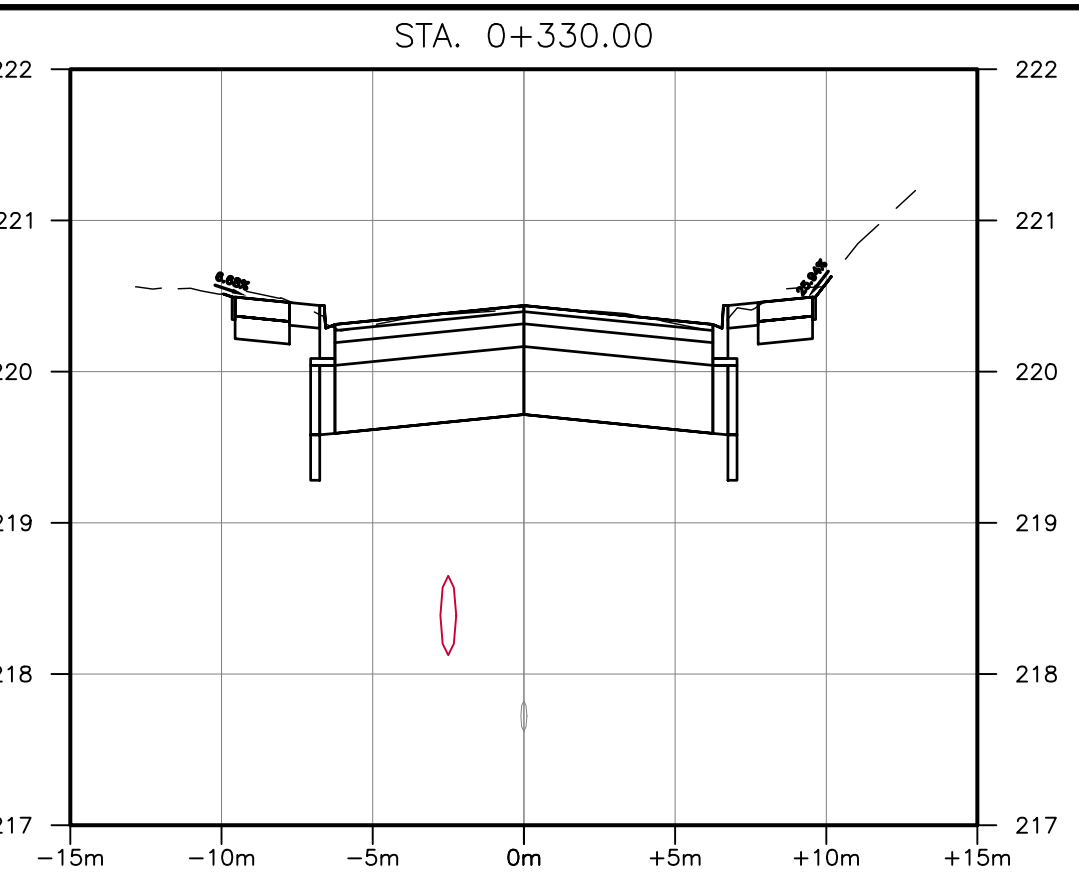
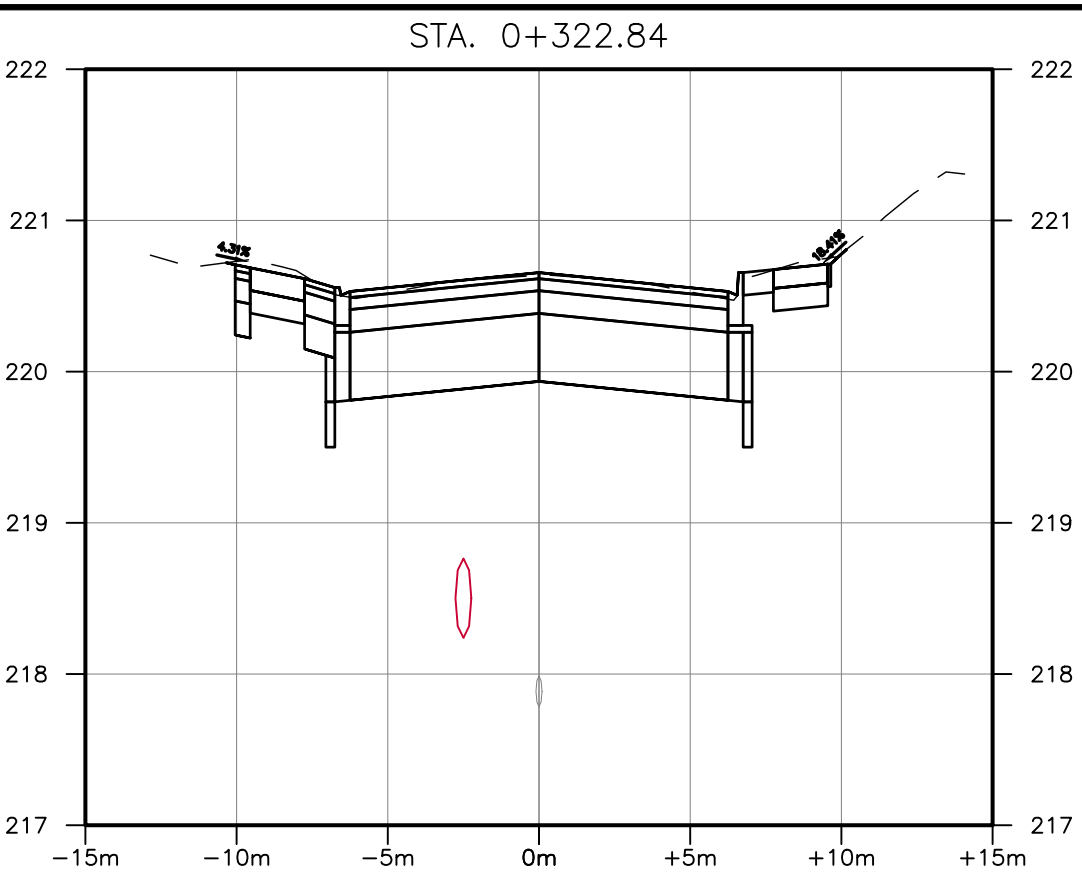
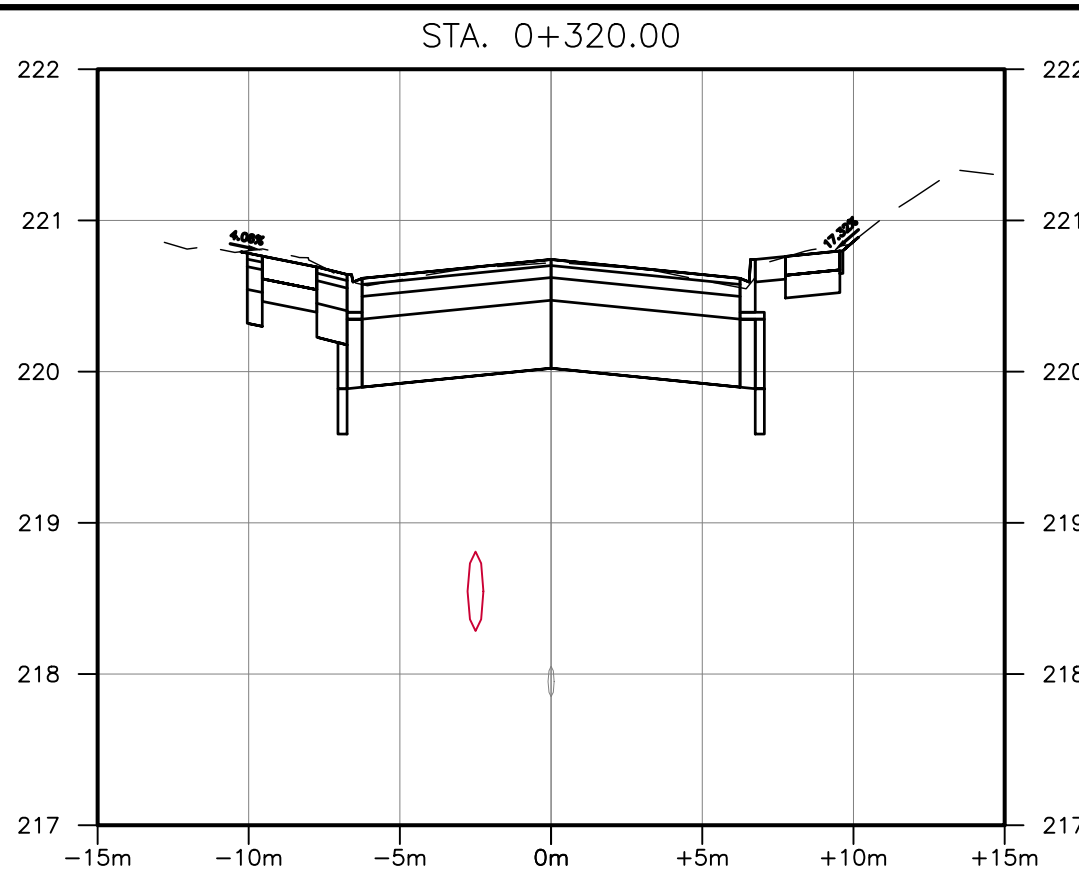
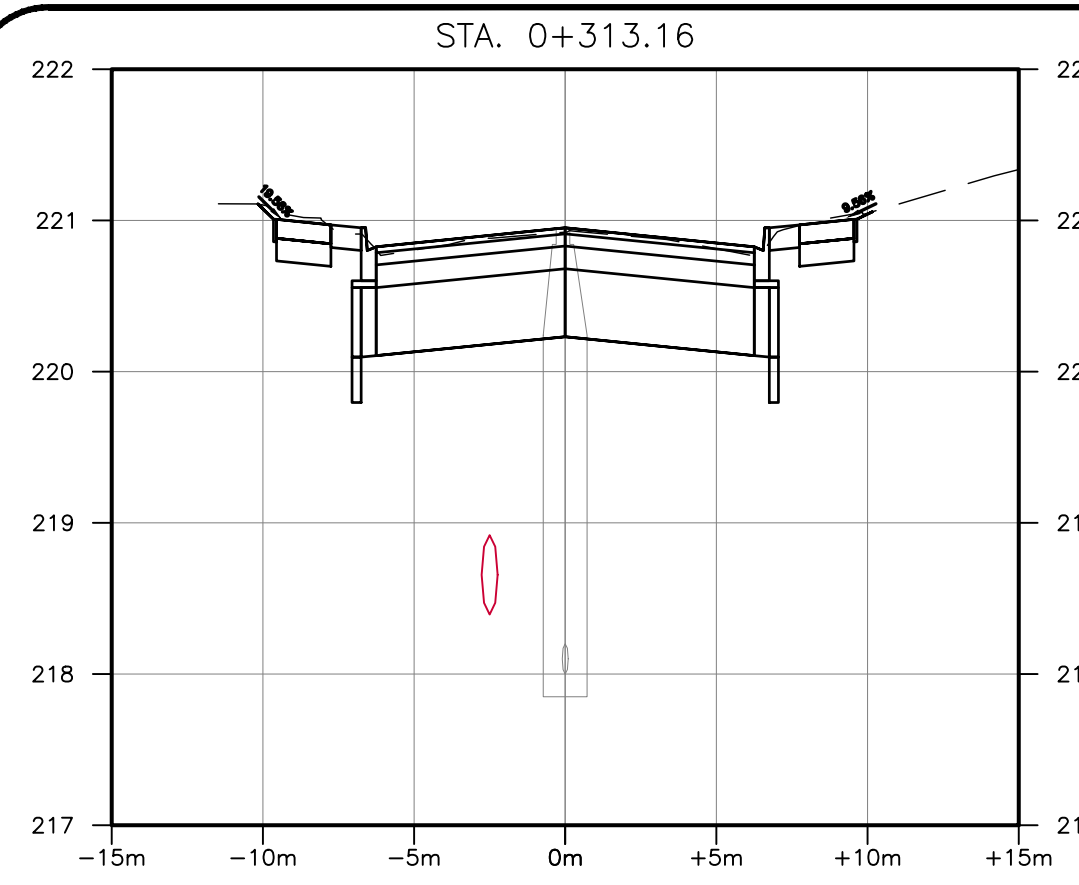
CLIENT:  
**Norfolk COUNTY**

PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2  
 BROOK STREET TO TALBOT STREET**

CLIENT REF: EIS-ENG-25-34  
 TITLE:

PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	25mm
DRAWING No: CS.2			SHEET #: 16 of 21





BENCHMARK:  
 THIS SURVEYED ON JULY 2022, BY SMC GEOMATICS.  
 VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



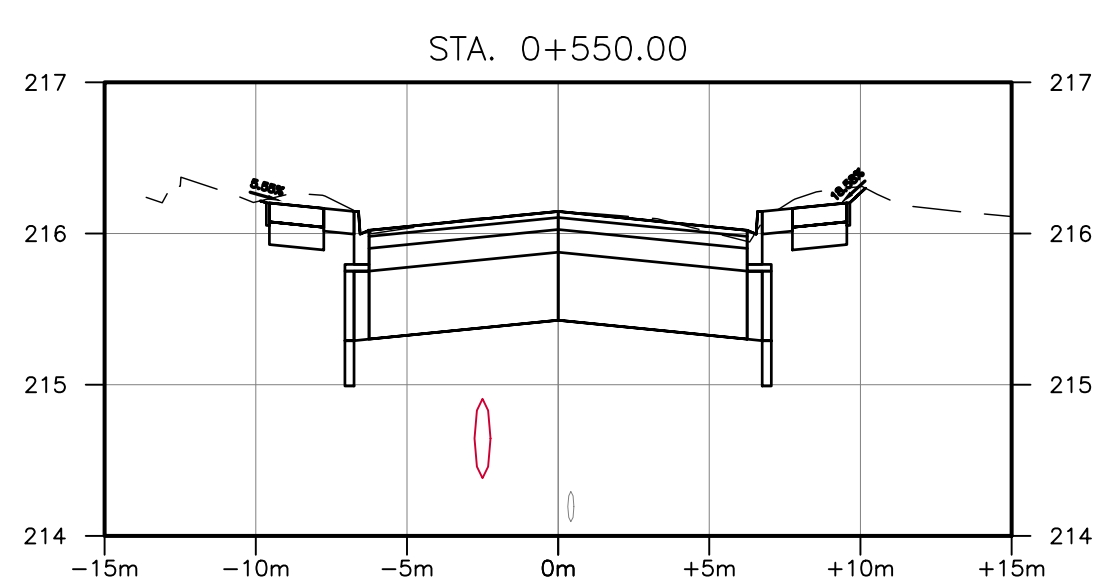
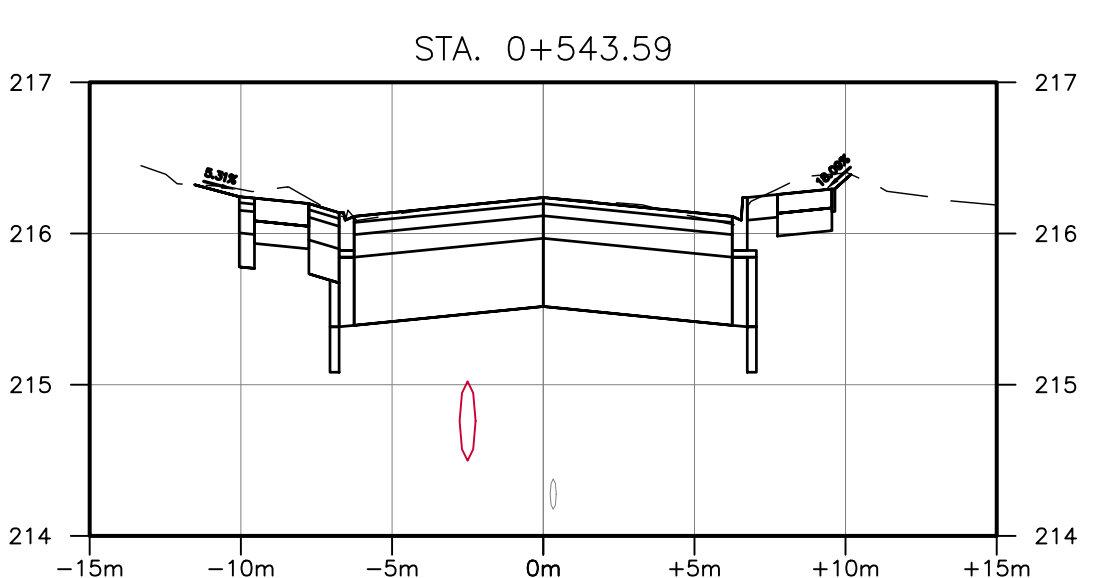
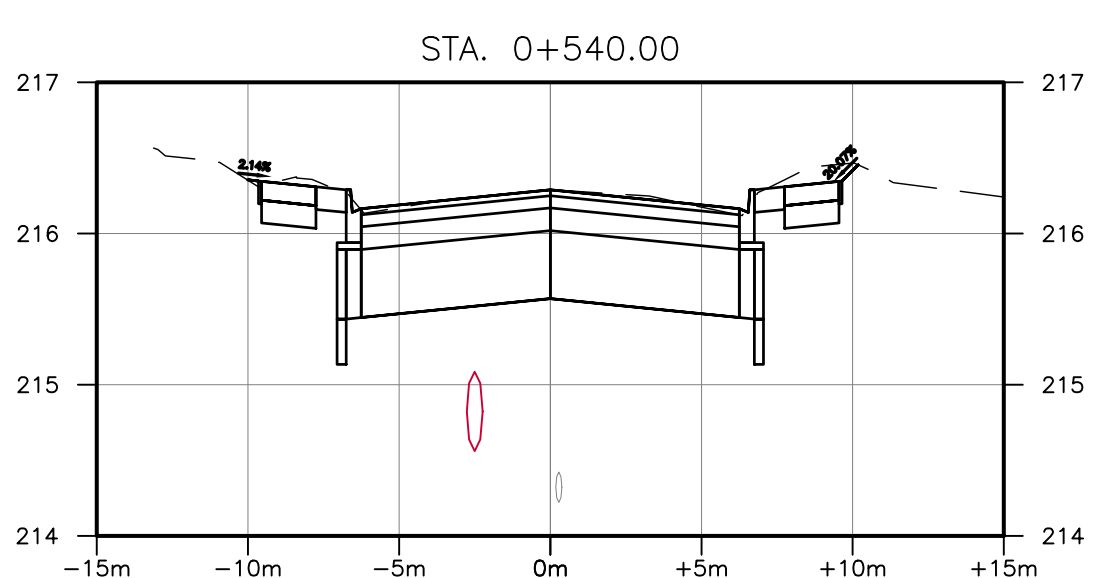
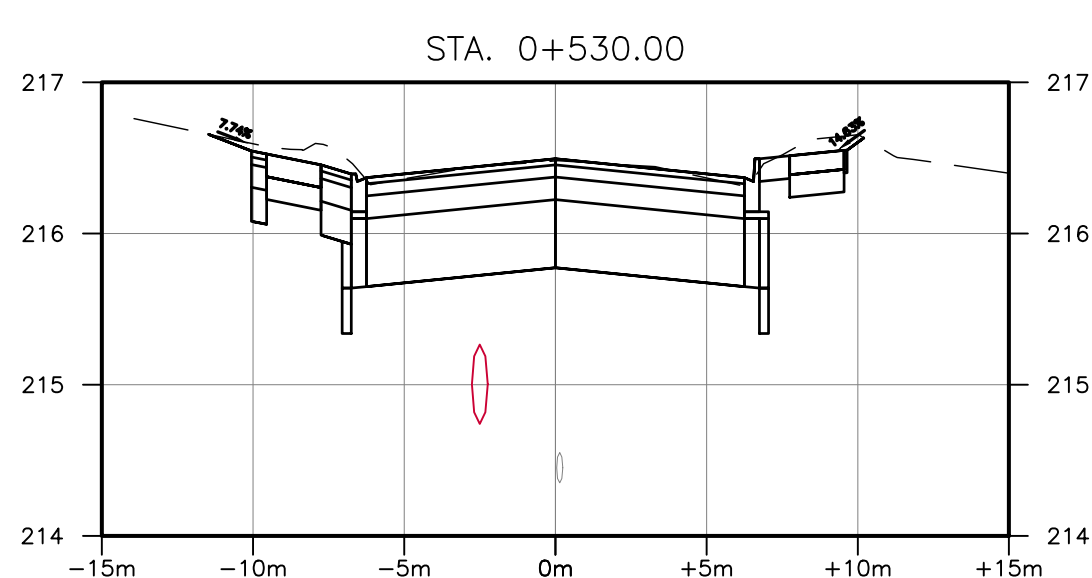
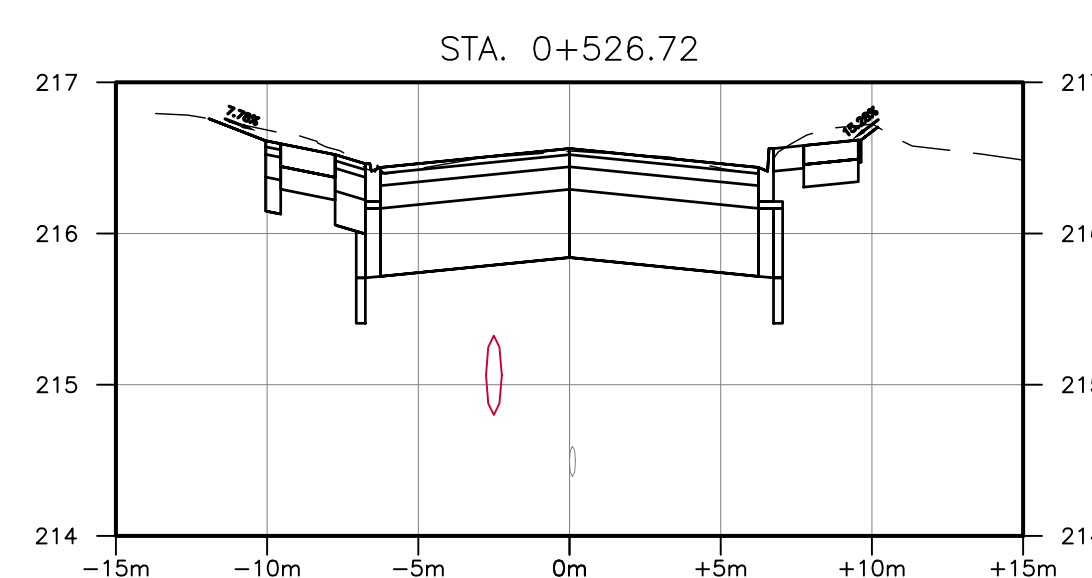
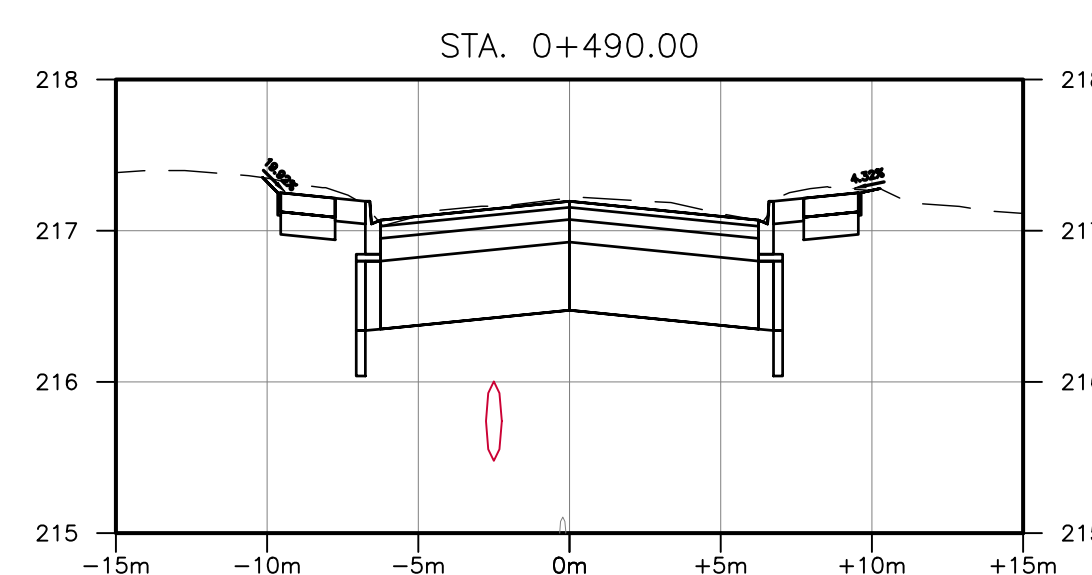
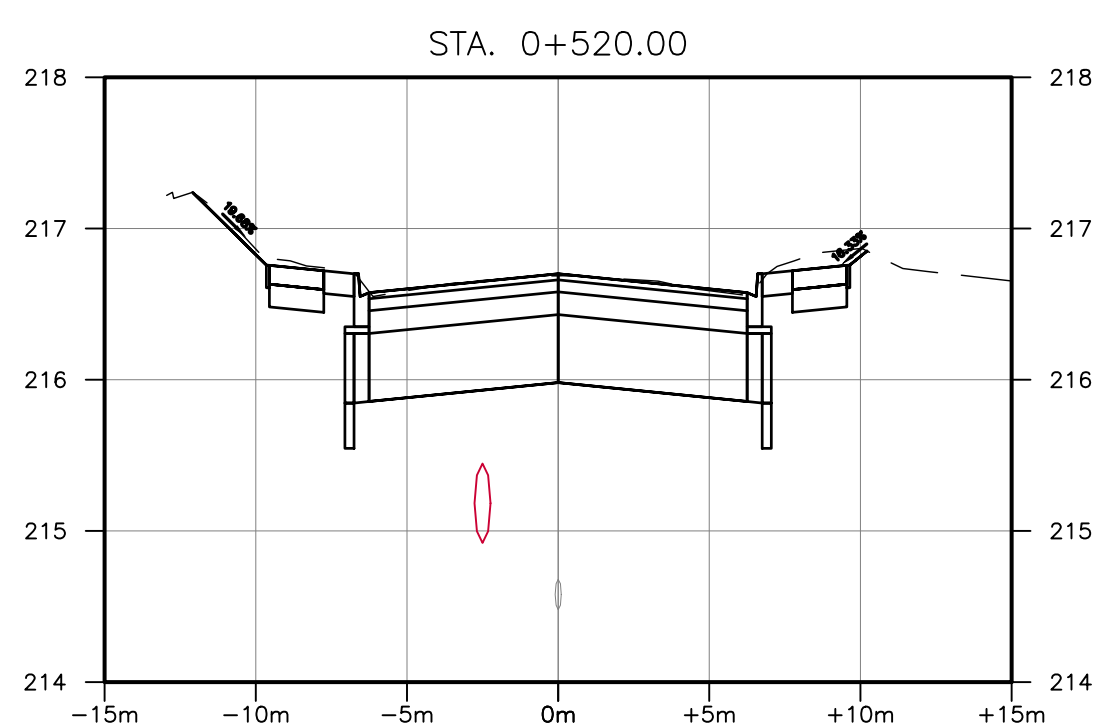
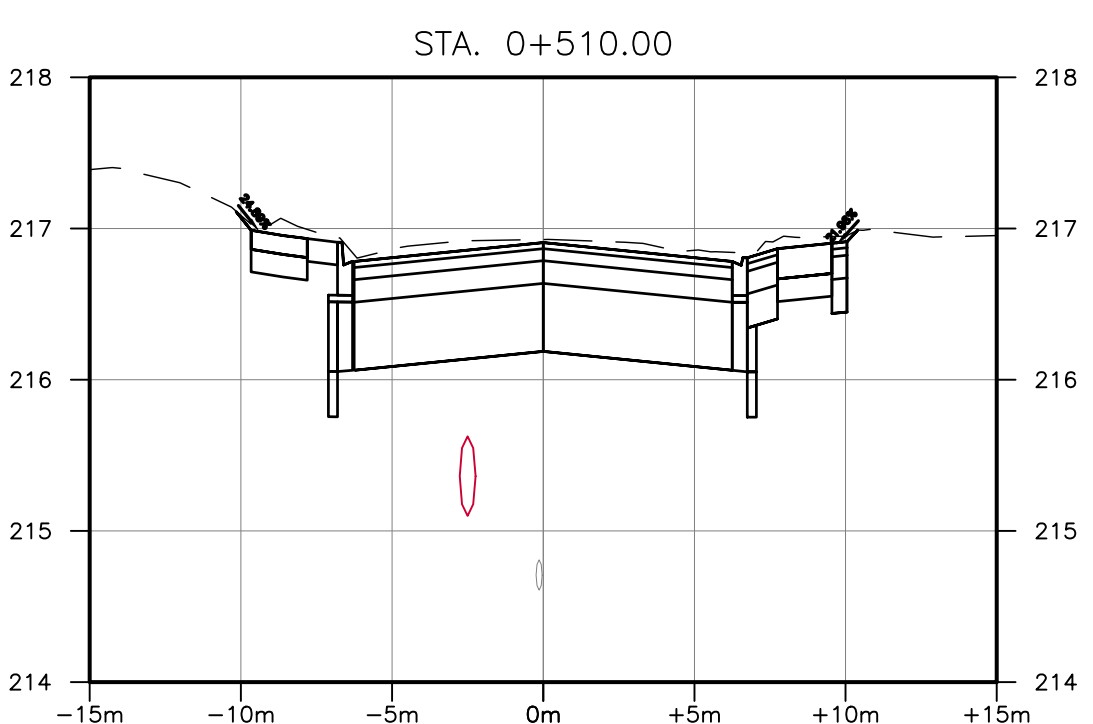
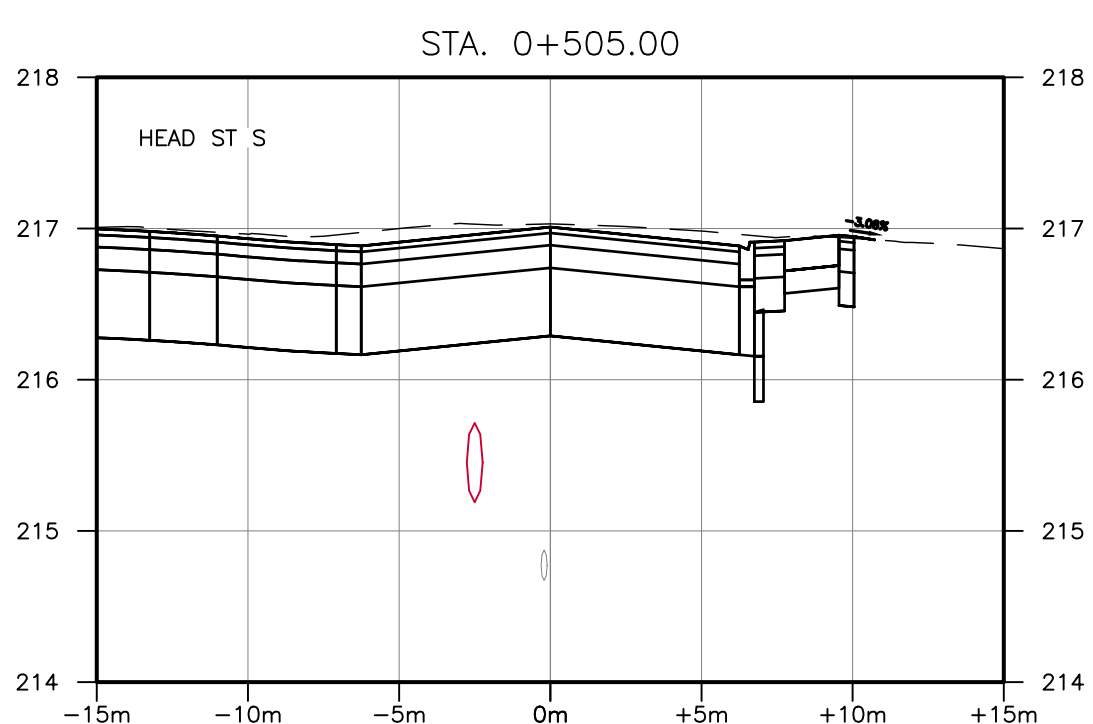
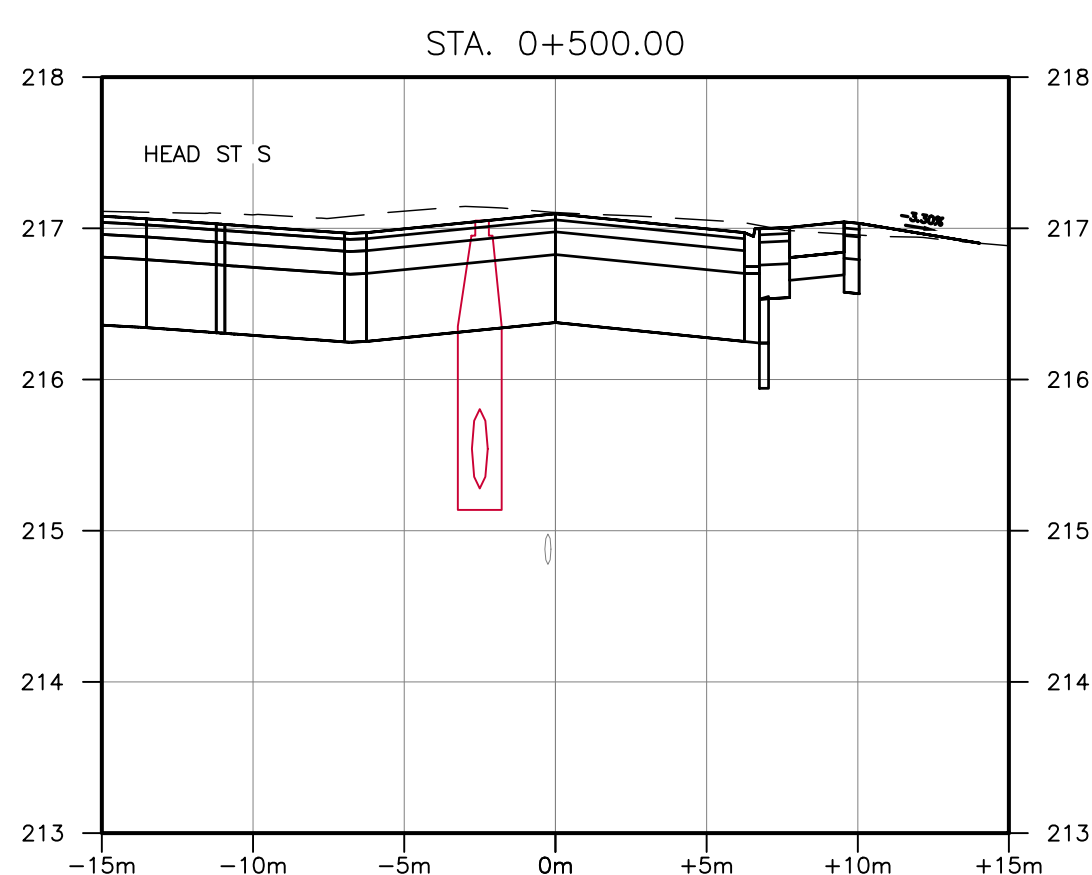
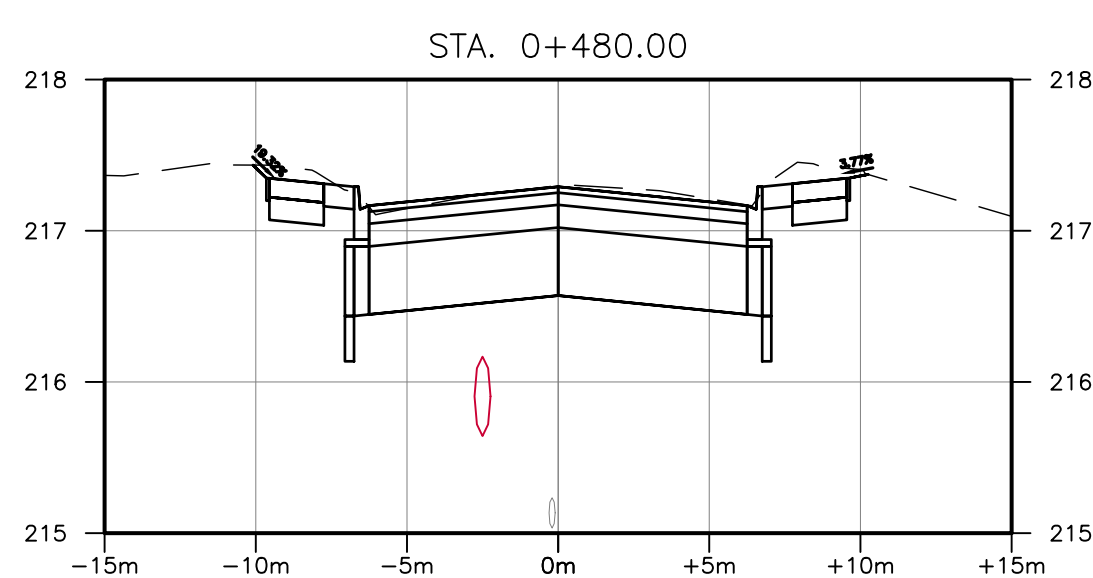
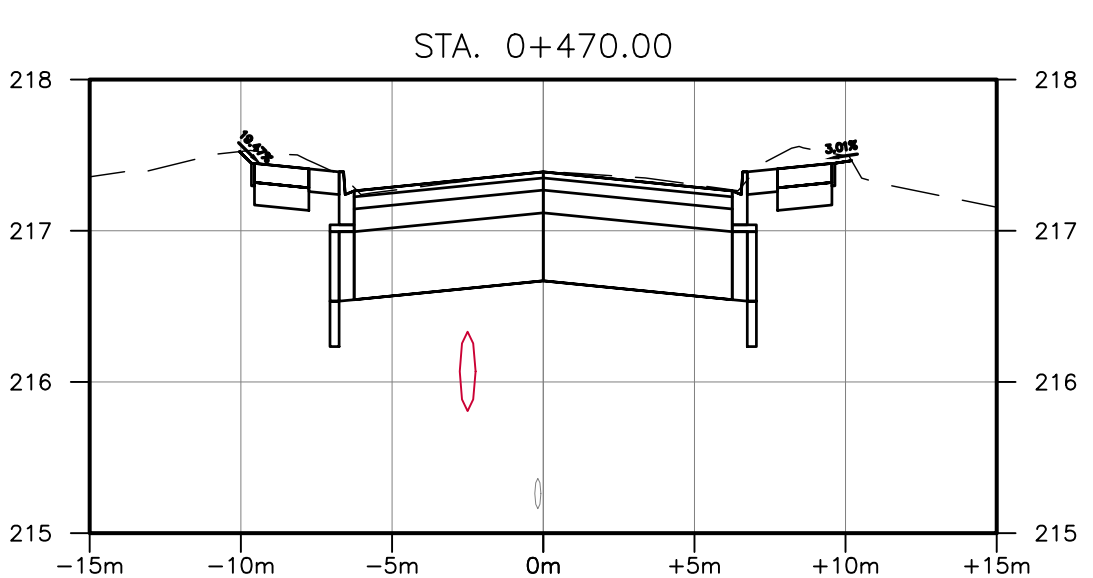
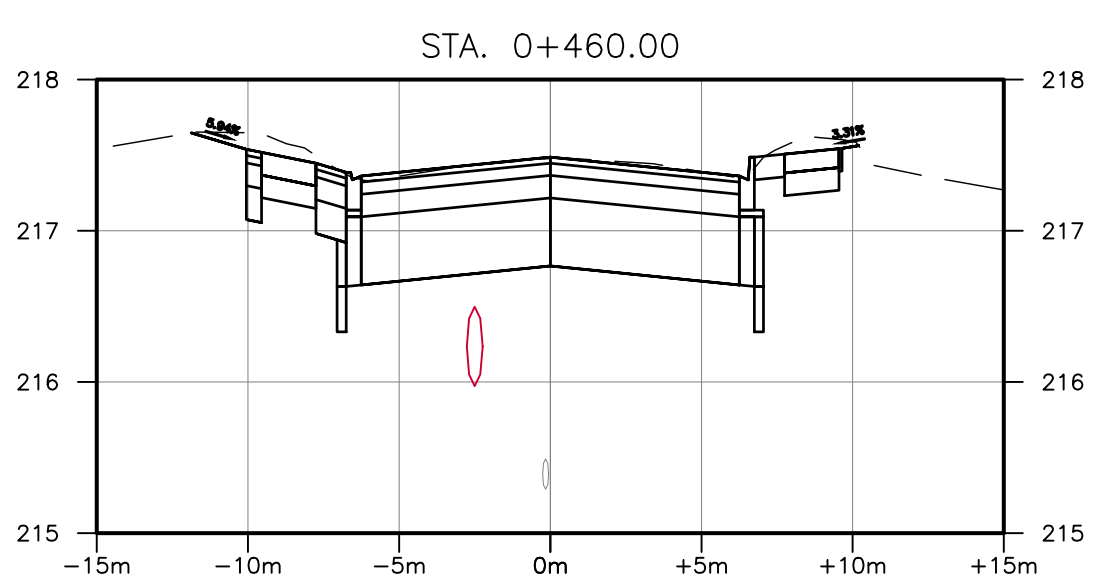
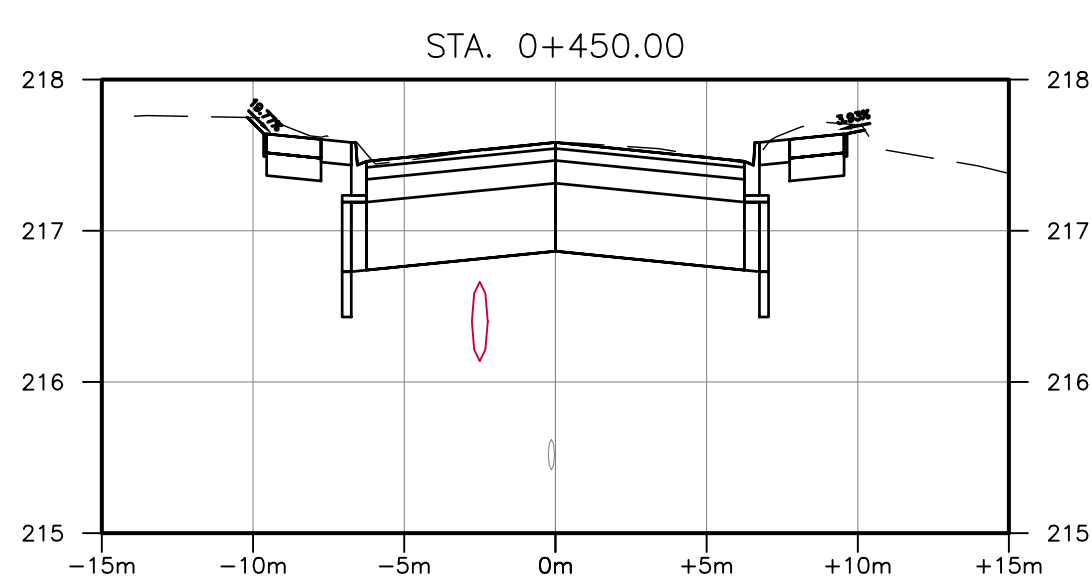
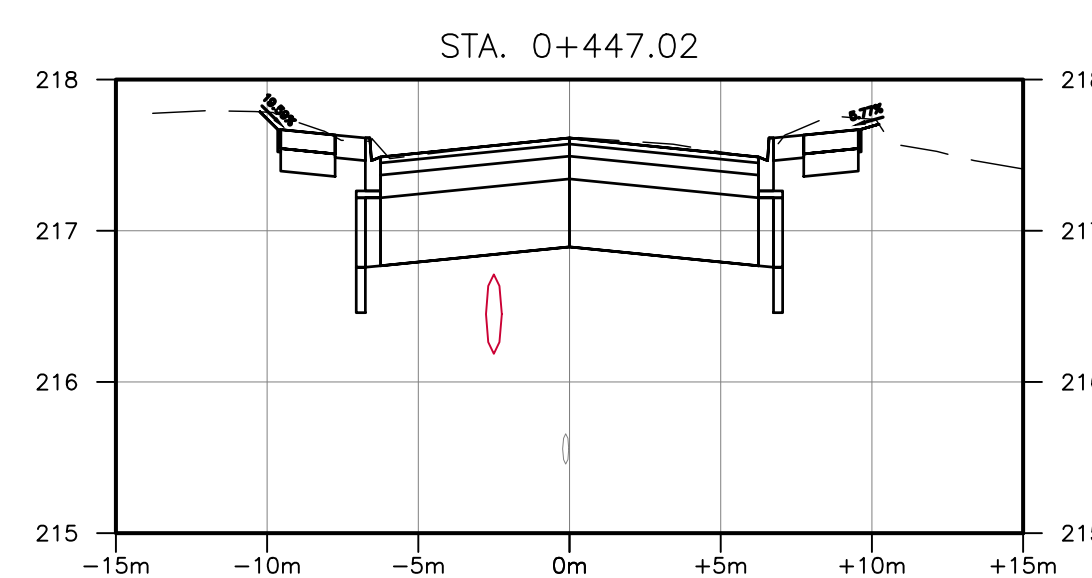
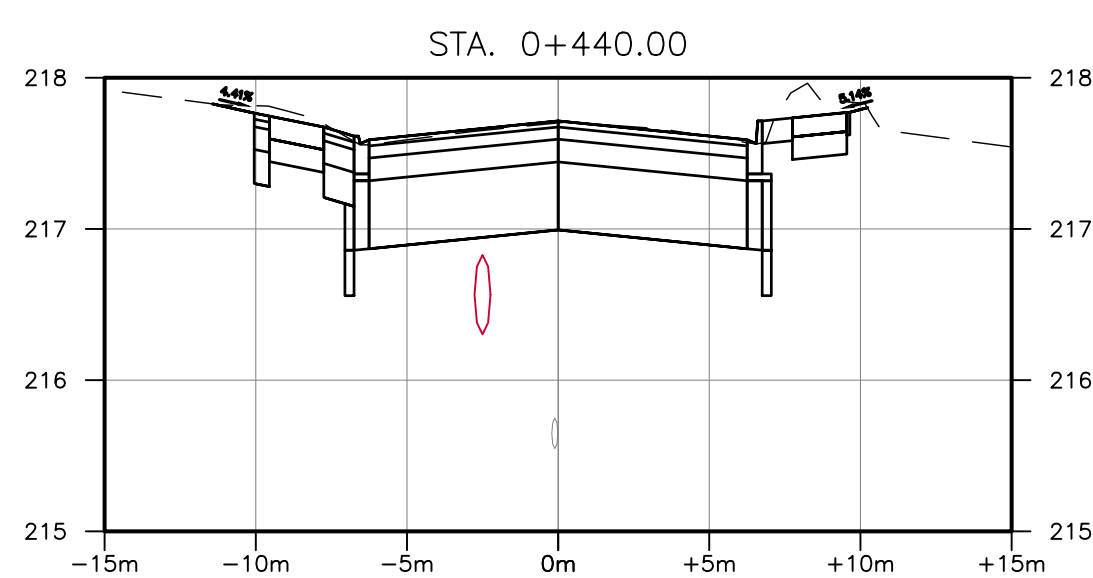
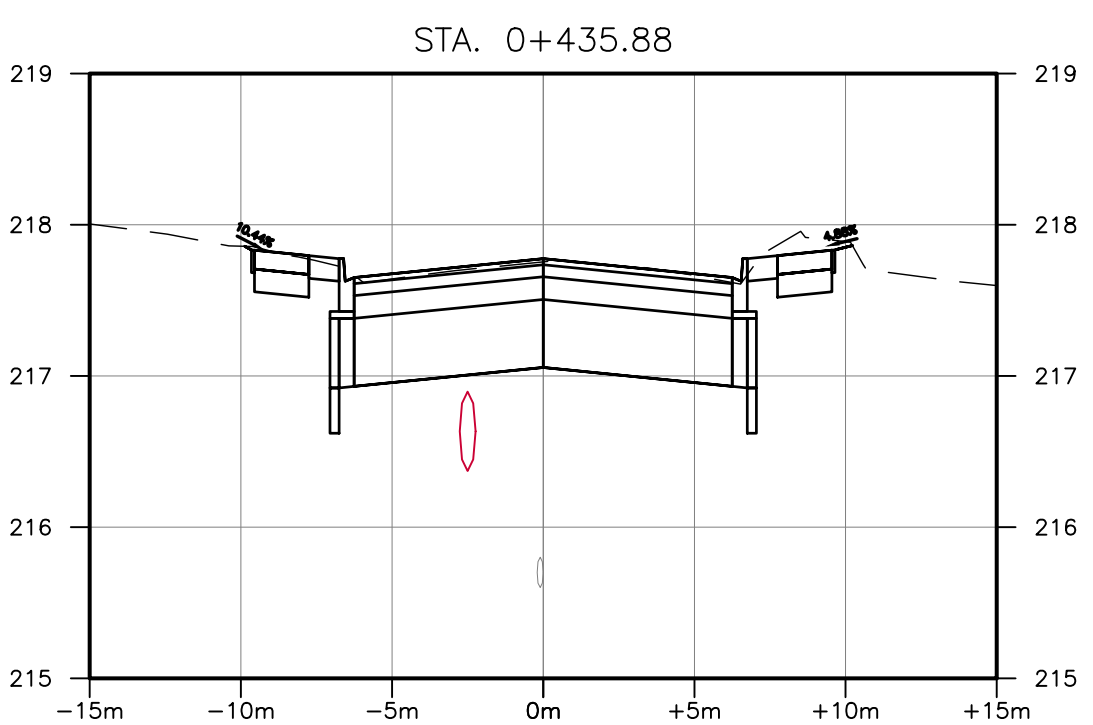
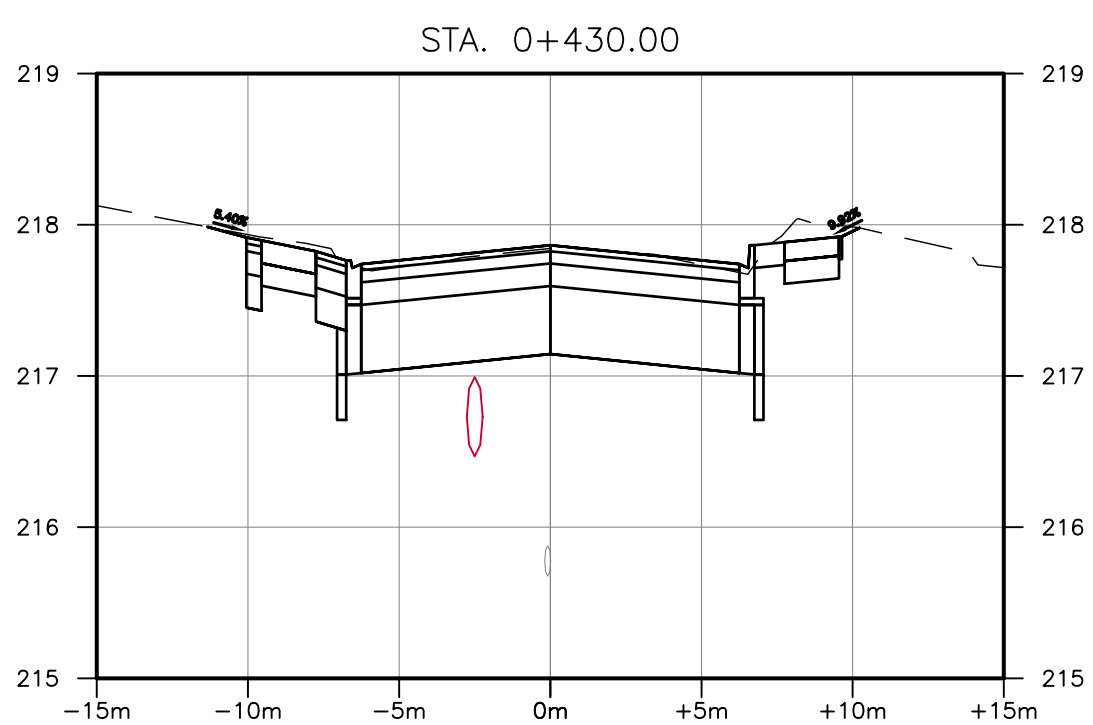
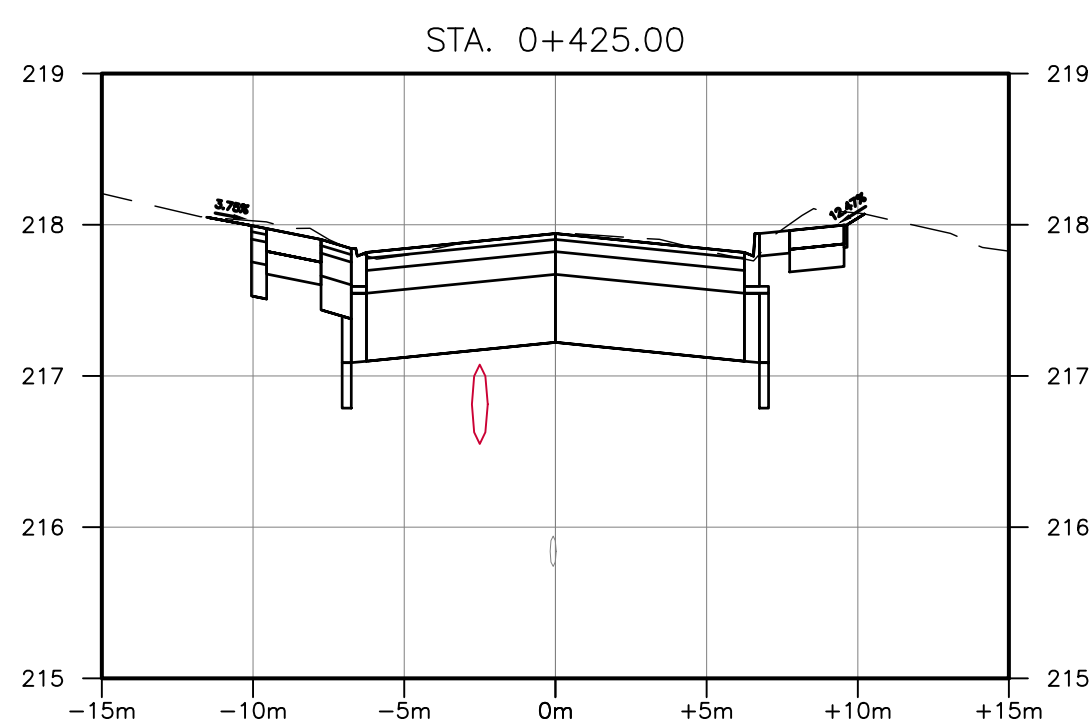
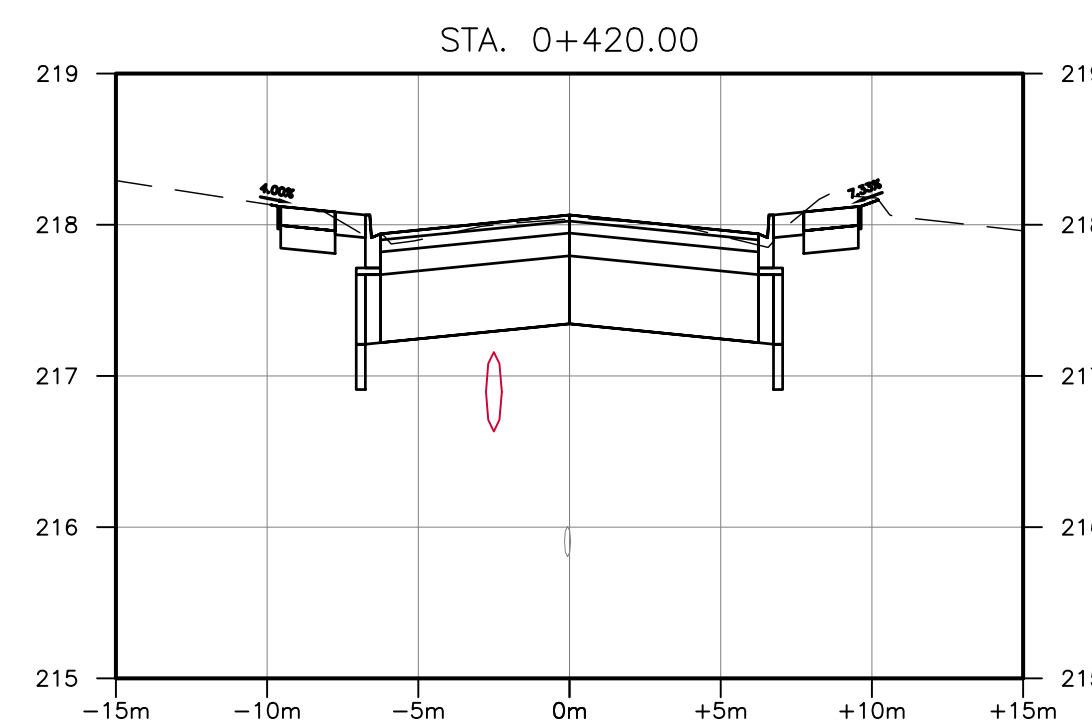
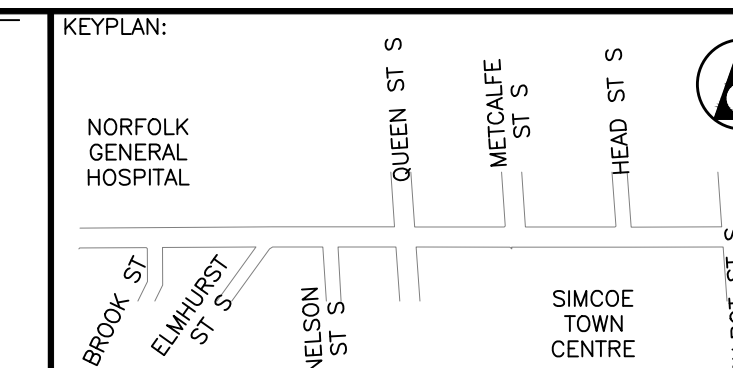
PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2  
 BROOK STREET TO TALBOT STREET**

CLIENT REF: EIS-ENG-25-34

TITLE:

SECTIONS STA. 0+313.15 TO STA. 0+415			
PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	25mm
DRAWING No:	CS.3		SHEET #: 17 of 21





BENCHMARK:  
THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS.  
VERTICAL CONTROL ESTABLISHED BY MONUMENT HGP 1934  
HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



PROJECT NAME:  
**RECONSTRUCTION OF WEST STREET – PHASE 2  
BROOK STREET TO TALBOT STREET**

CLIENT REF: EIS-ENG-25-34

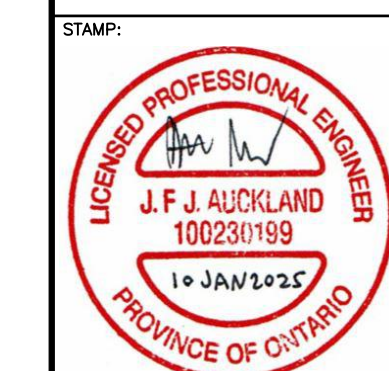
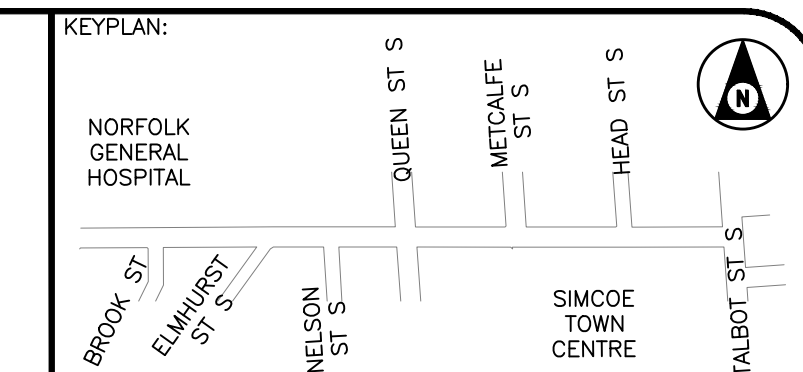
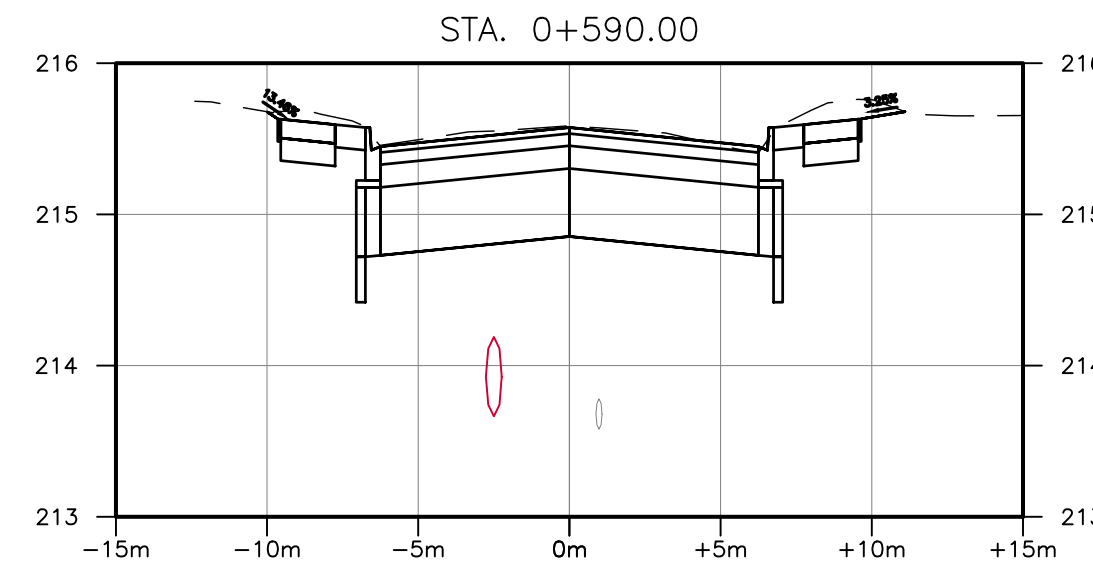
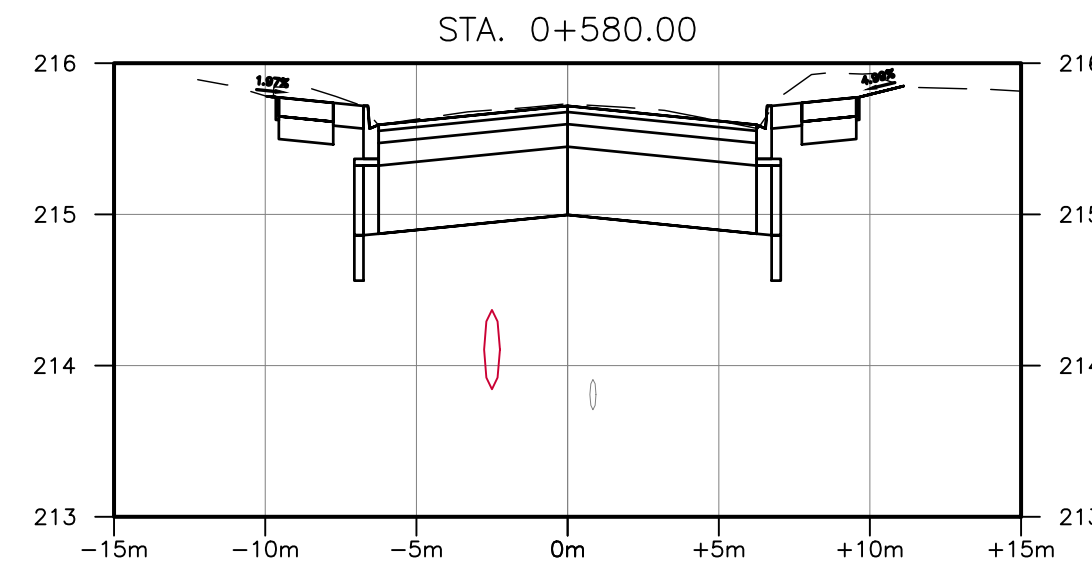
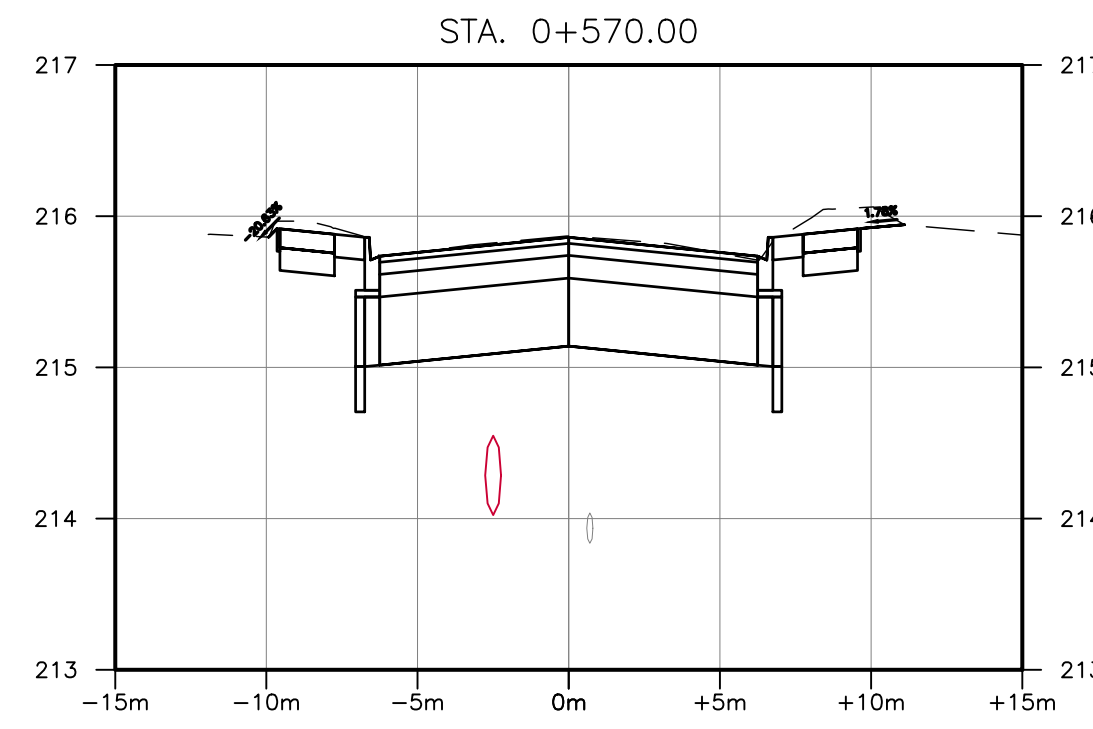
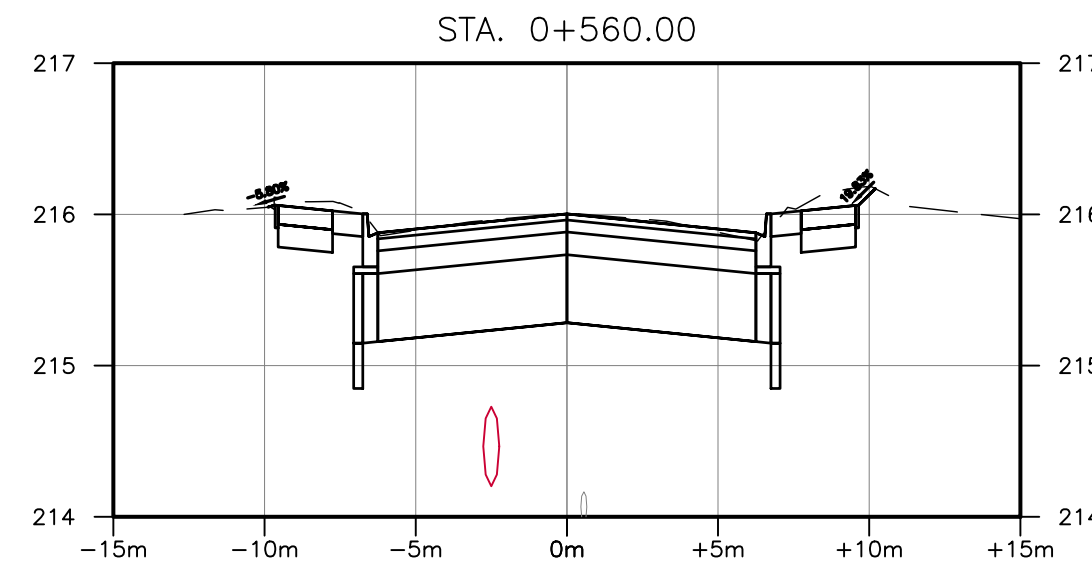
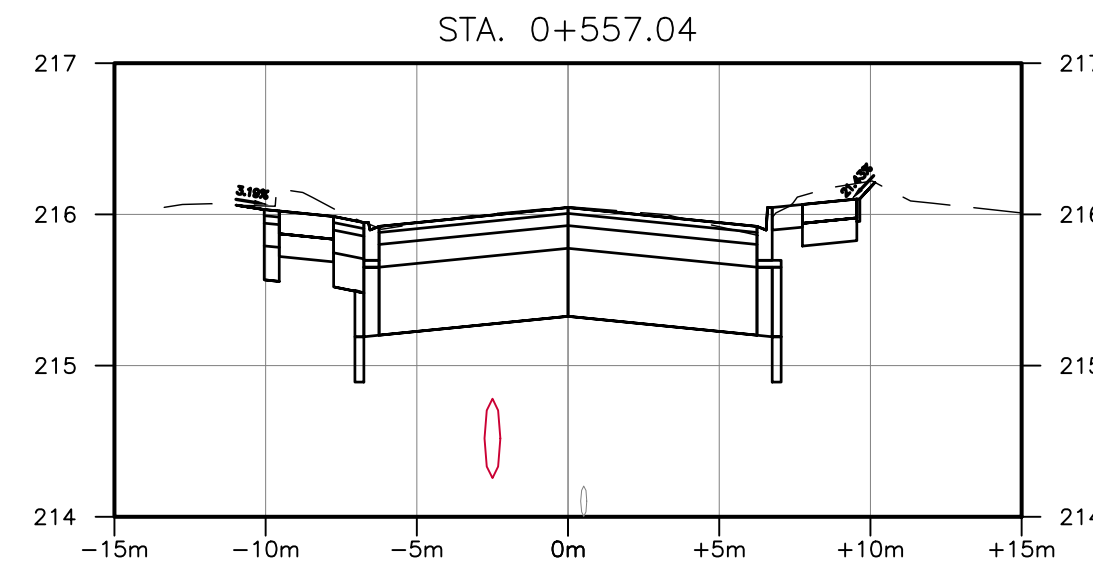
TITLE:  
**SECTIONS  
STA. 0+420 TO STA. 0+550**

PROJECT NO: 22-2016  
SCALE: 1:250  
DATE: 2025/01/15  
IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.

DESIGNED BY: JA  
DRAWN BY: AK  
CHECKED BY: AT

DRAWING No: CS.4  
SHEET #: 18 of 21





**BENCHMARK:**  
 THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS.  
 VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934  
 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER



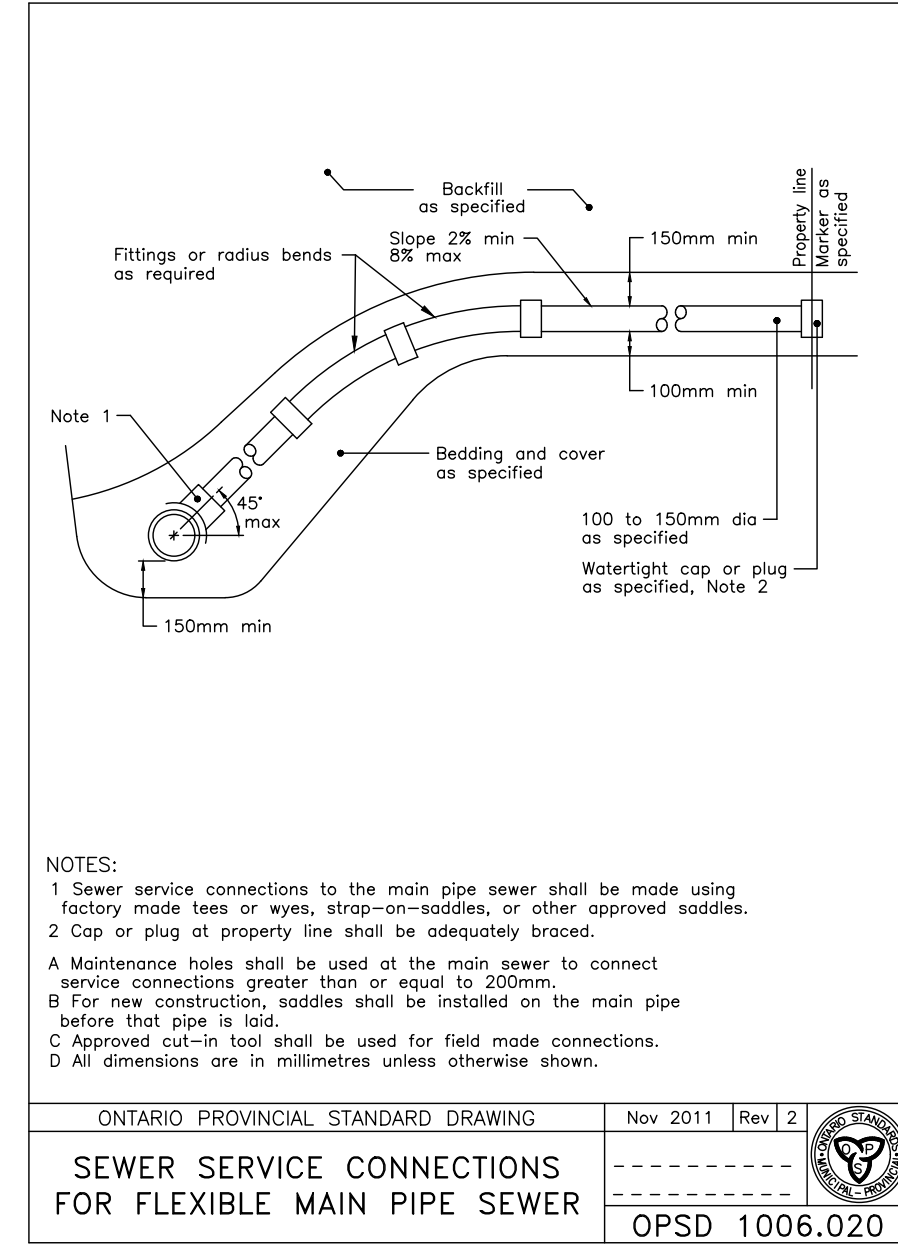
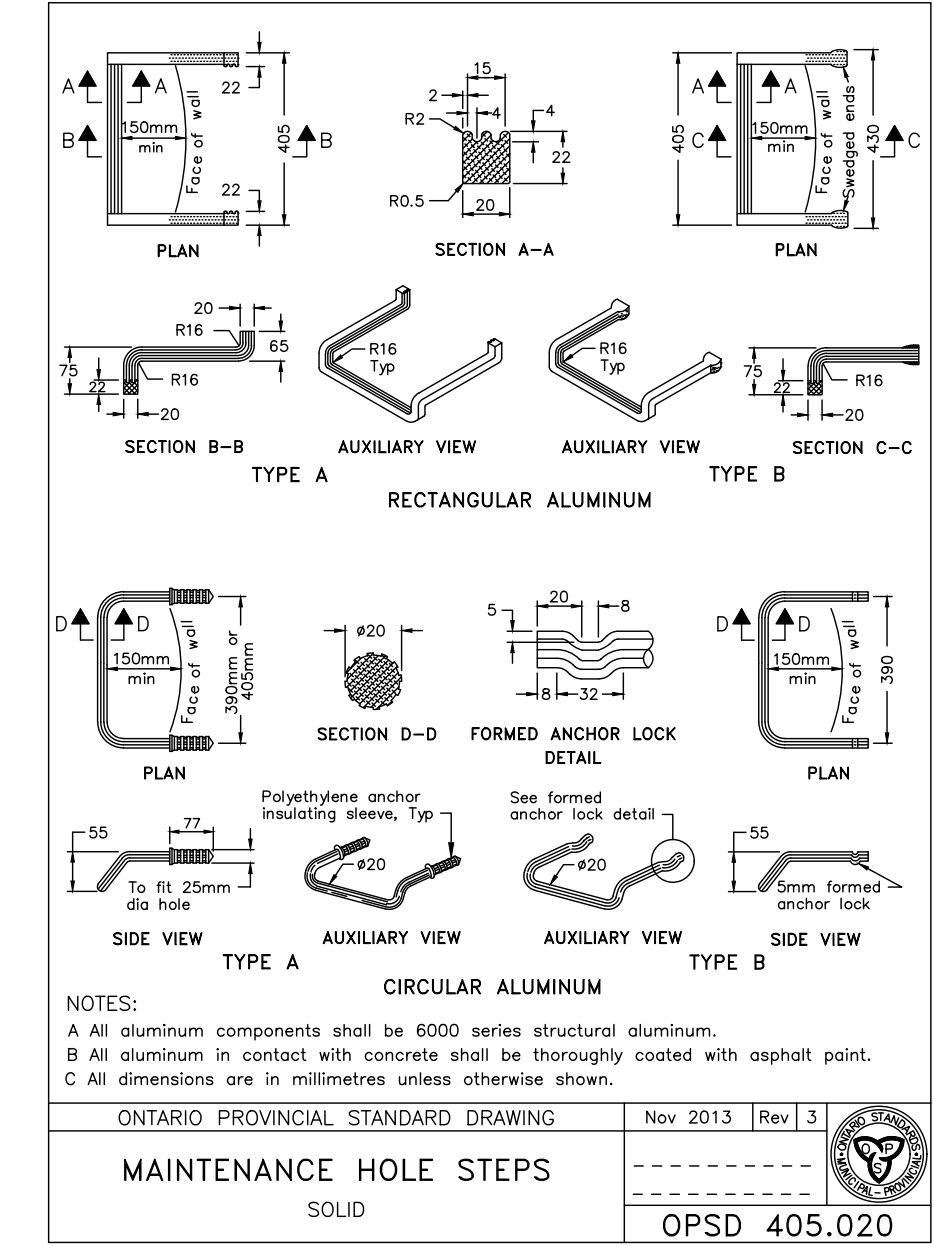
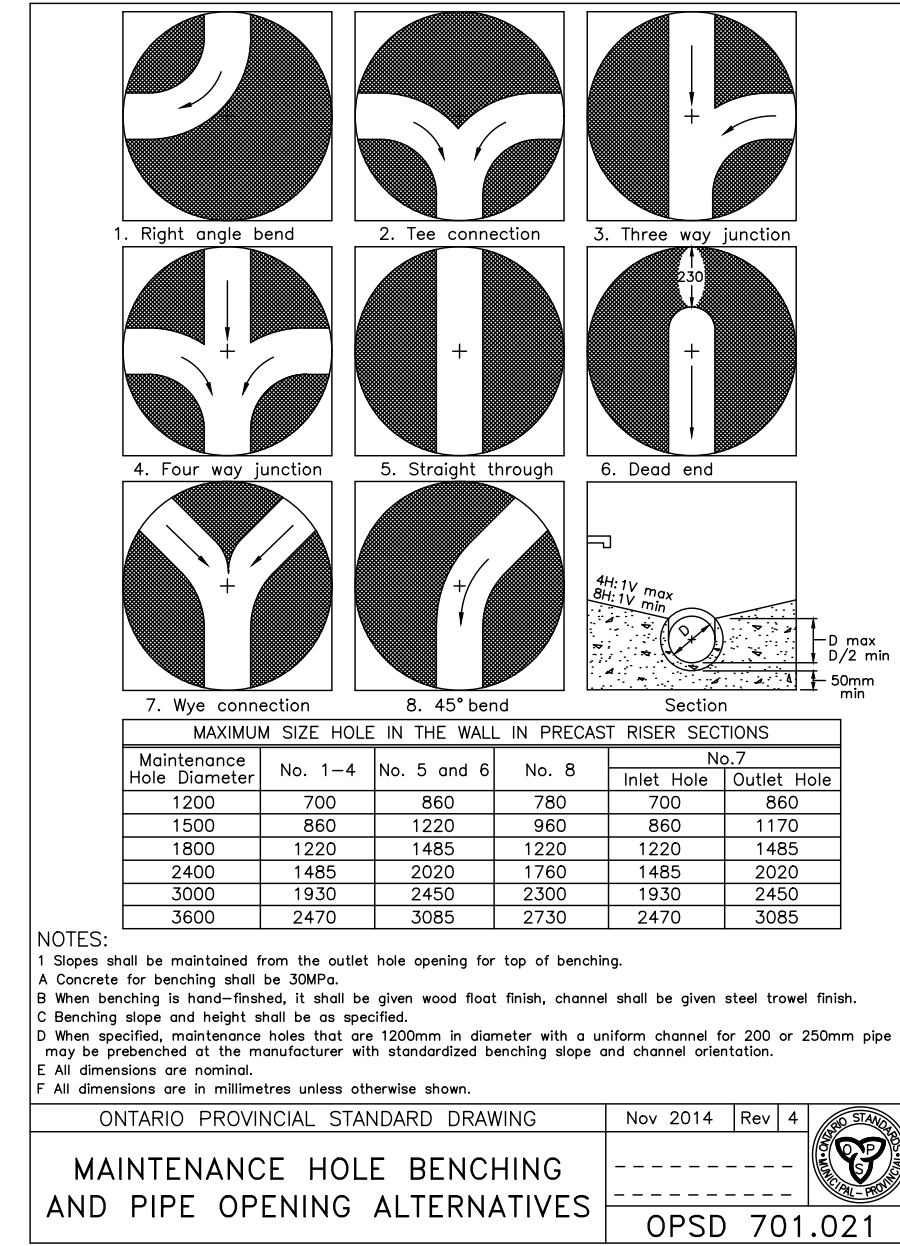
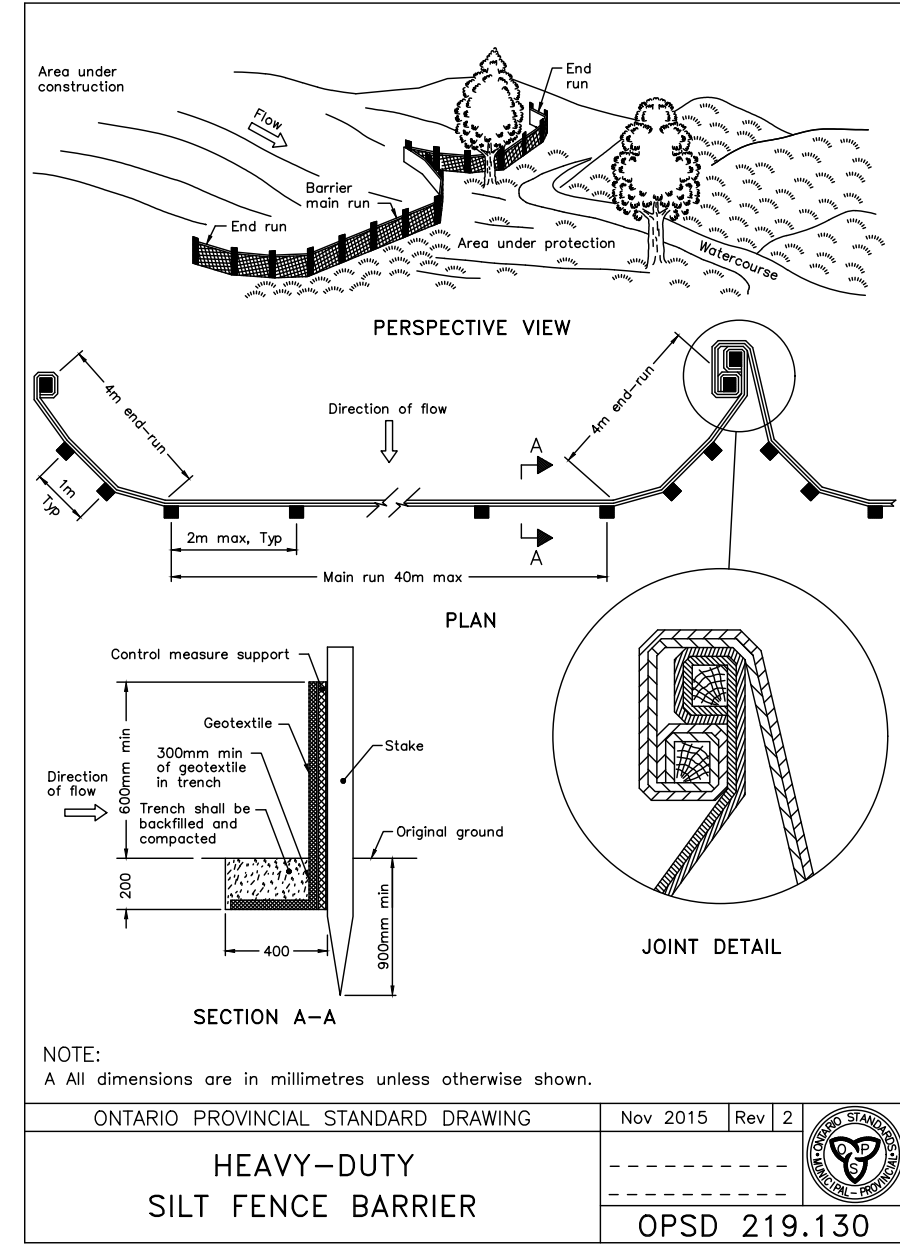
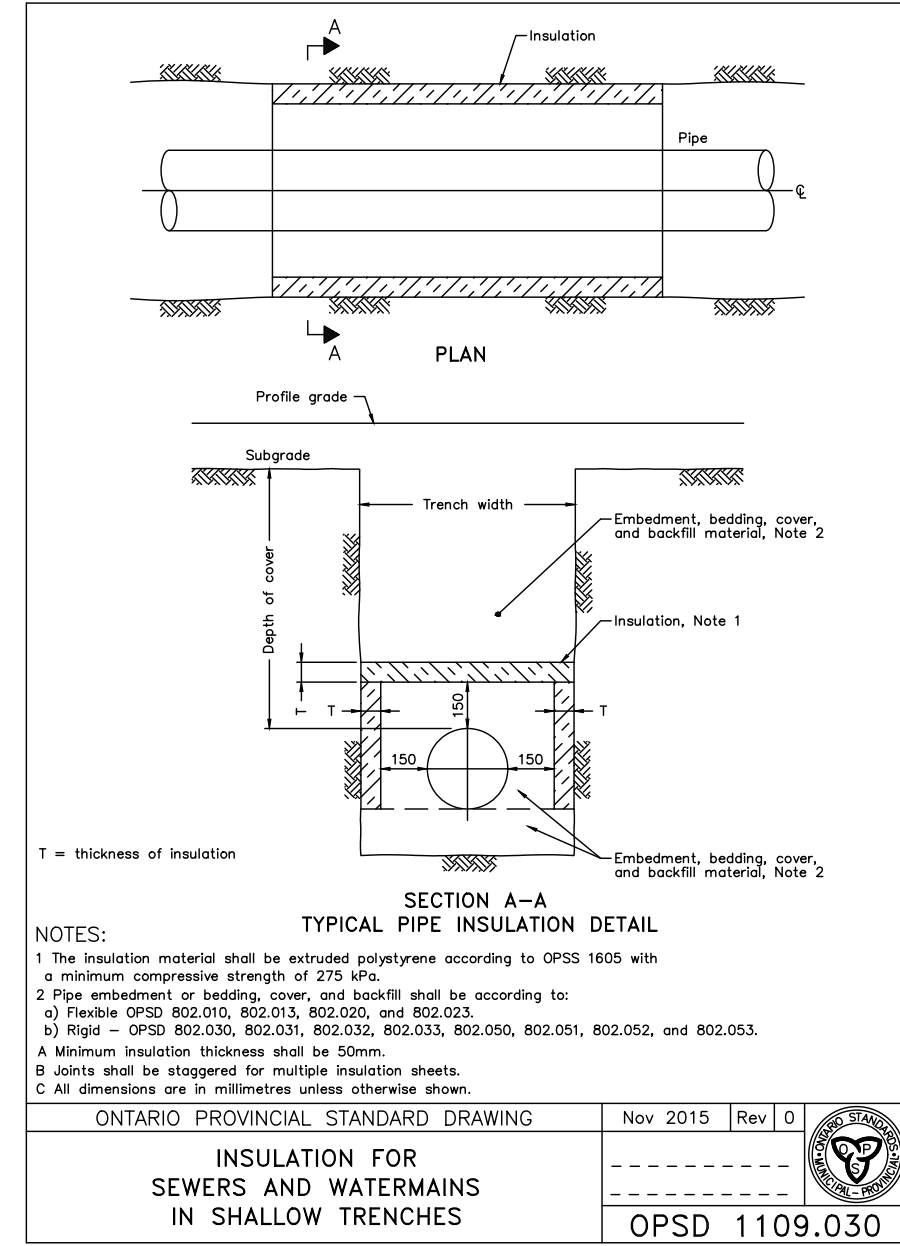
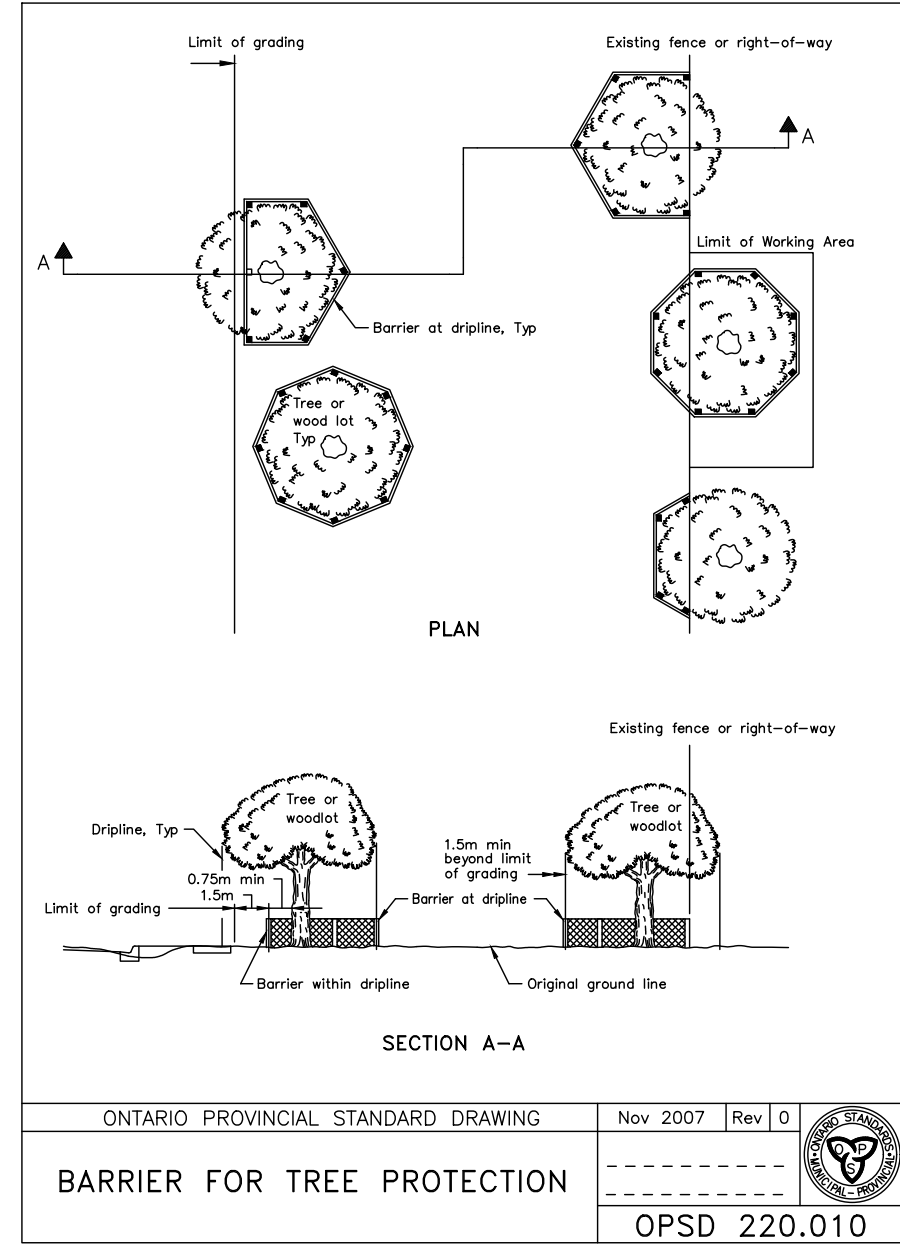
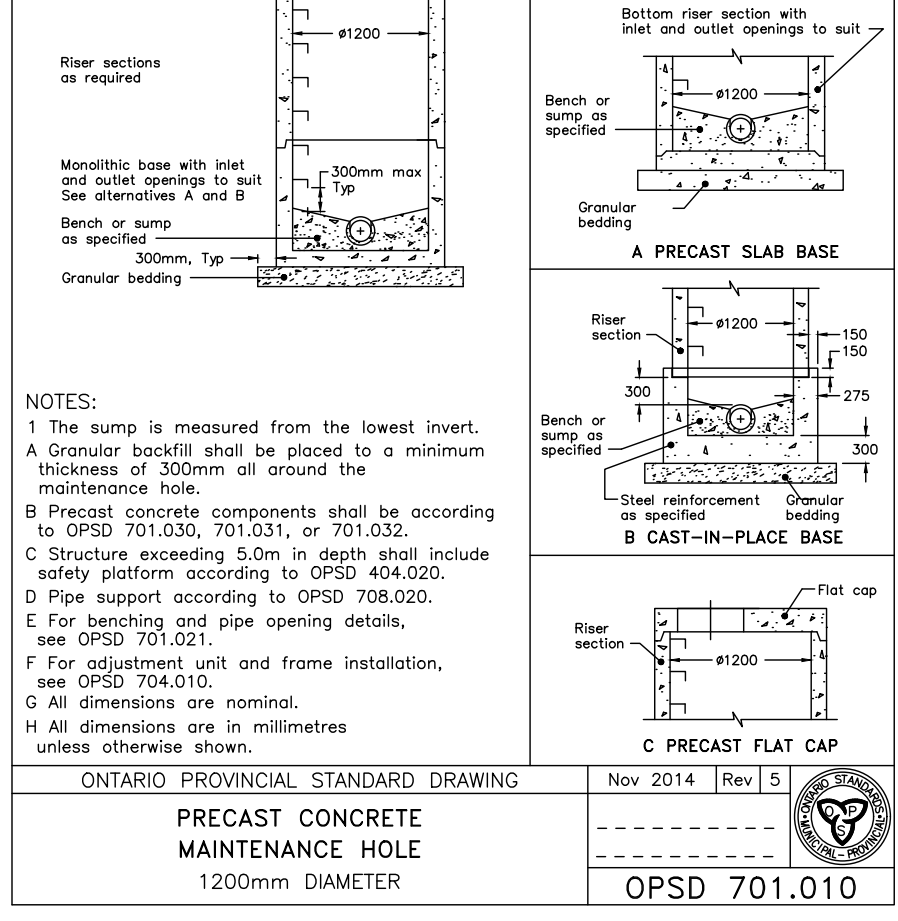
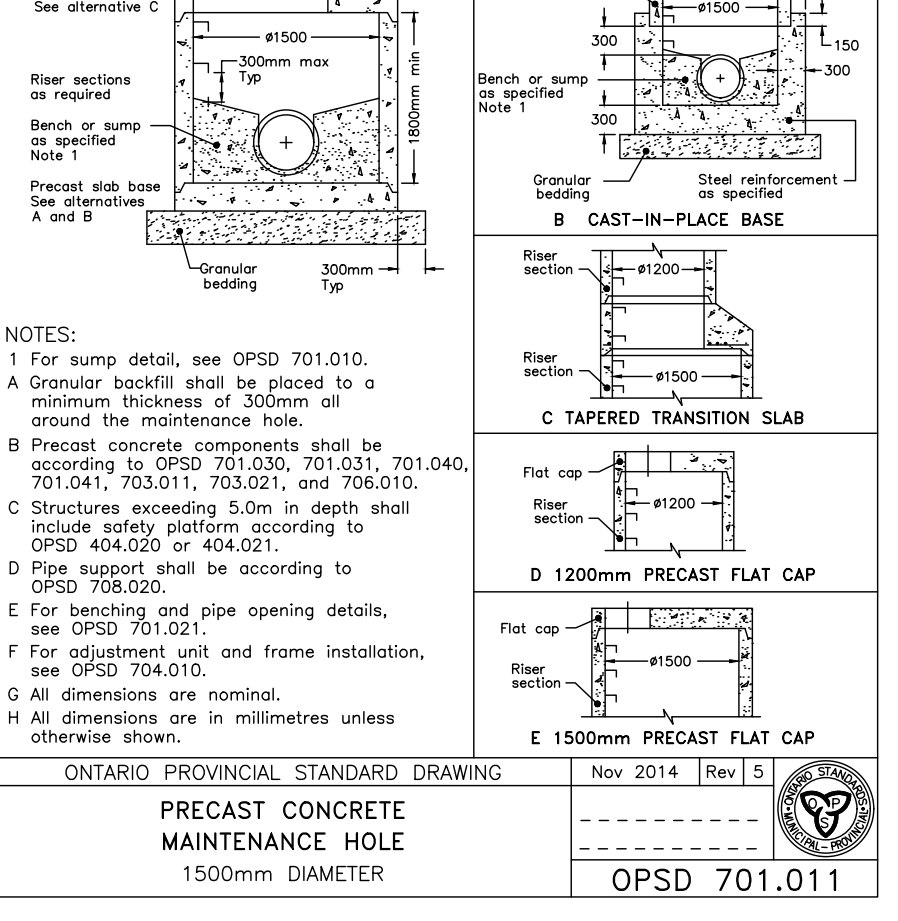
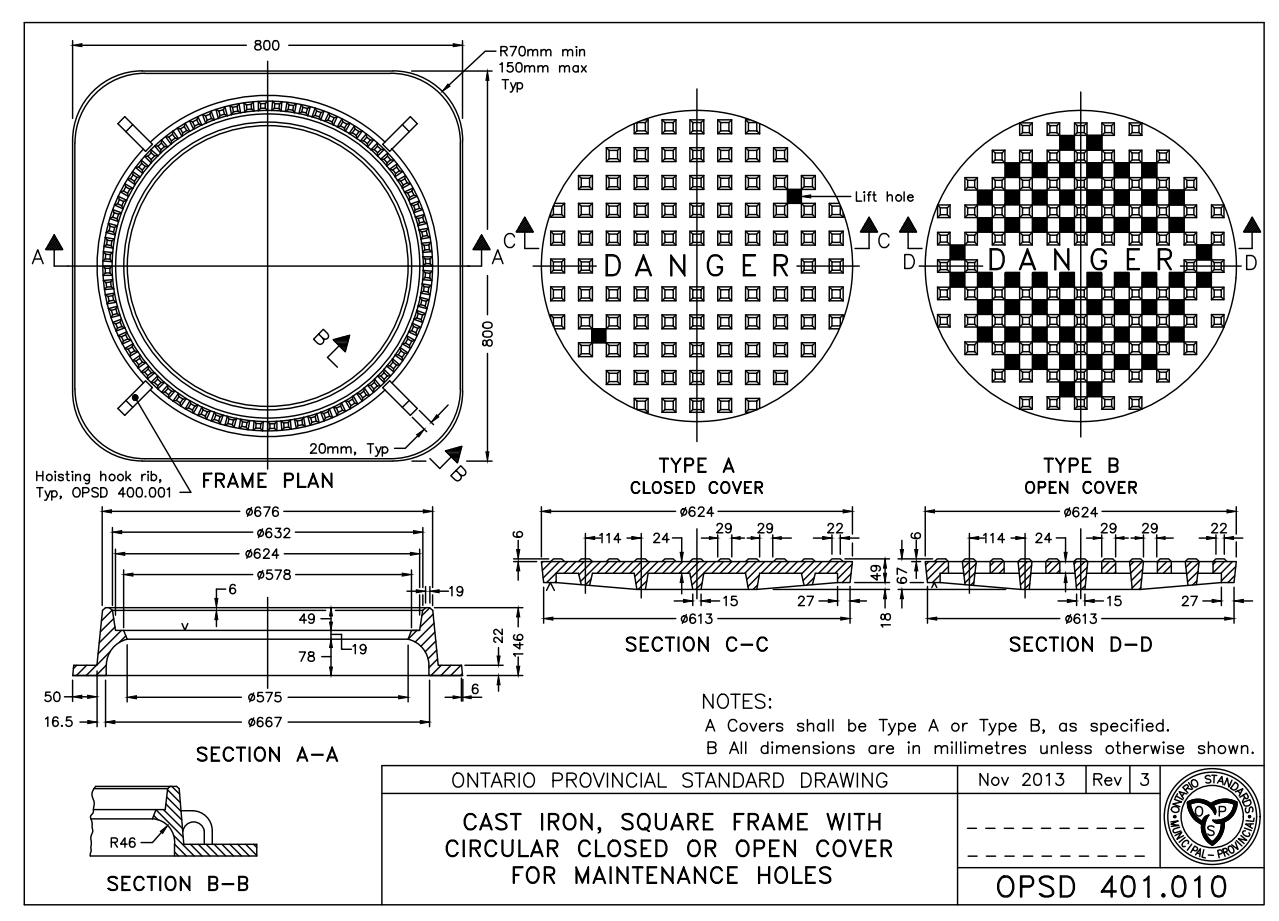
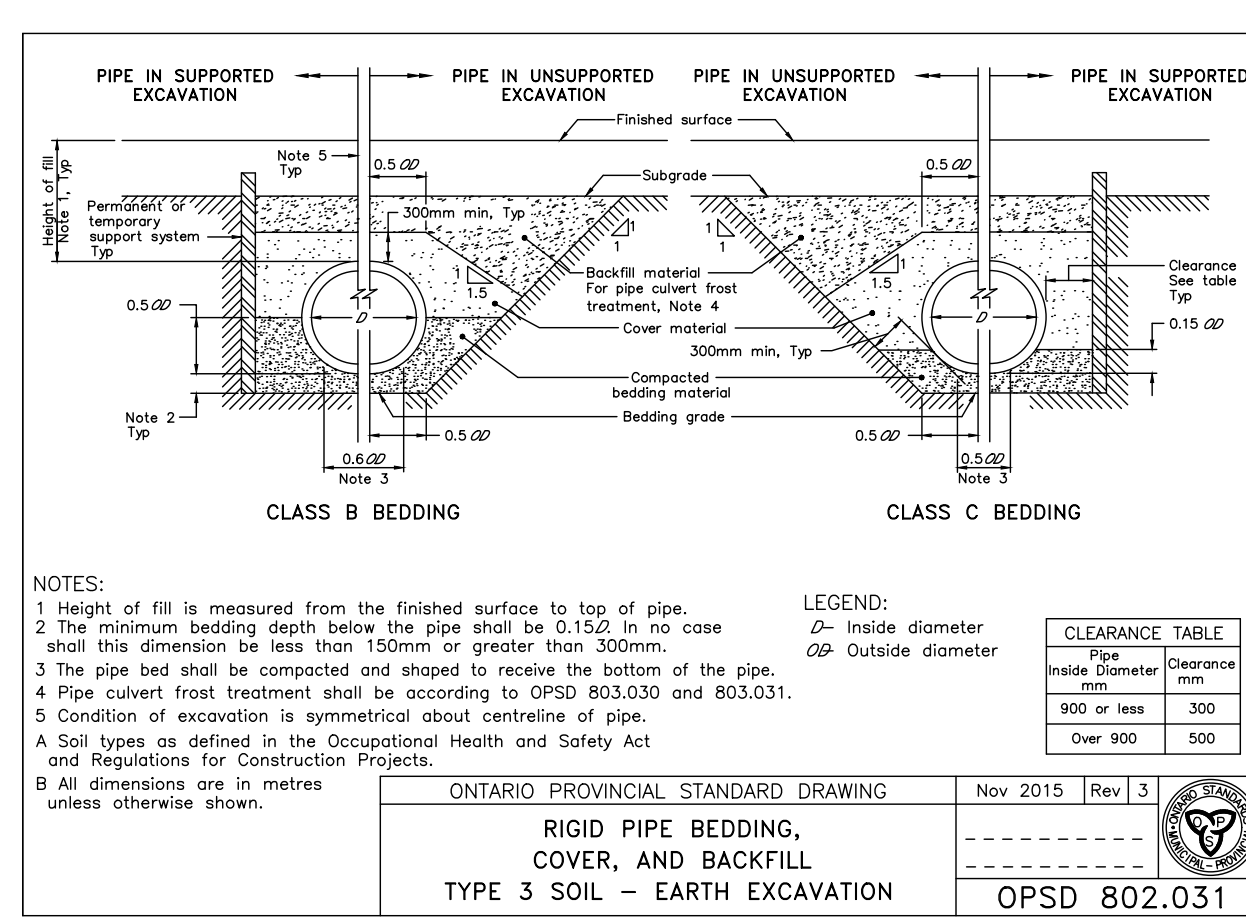
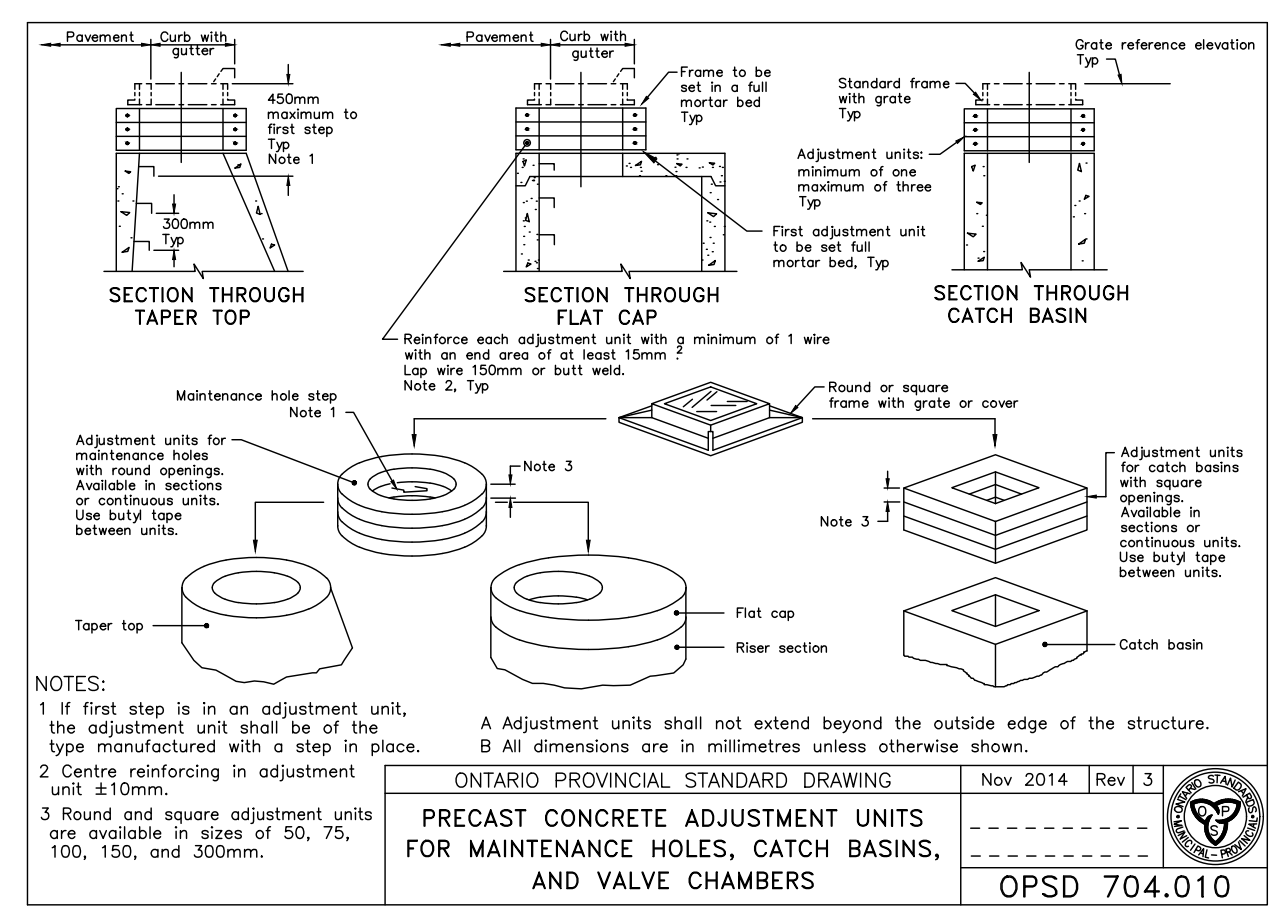
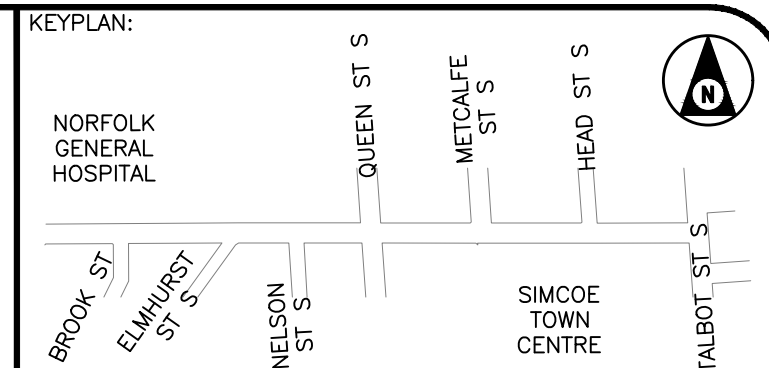
**PROJECT NAME:**  
 RECONSTRUCTION OF WEST STREET – PHASE 2  
 BROOK STREET TO TALBOT STREET

**CLIENT REF:** EIS-ENG-25-34

**TITLE:**

SECTIONS STA. 0+557 TO STA. 0+590			
PROJECT NO: 22-2016	SCALE: 1:250	DATE: 2025/01/15	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: AK	CHECKED BY: AT	25mm
DRAWING No: CS.5			SHEET #: 19 of 21





BENCHMARK: THIS SURVEYED ON JULY 2022 BY SMC GEOMATICS. VERTICAL CONTROL ESTABLISHED BY MONUMENT HCP 1934 HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.

THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WT INFRASTRUCTURE SOLUTIONS INC.

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUED FOR TENDER	ISSUE / REVISION
1	JA	2025/01/15	ISSUED FOR TENDER	



PROJECT NAME: RECONSTRUCTION OF WEST STREET - PHASE 2 BROOK STREET TO TALBOT STREET

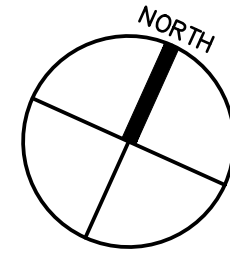
CLIENT REF: EIS-ENG-25-34

CLIENT: WT INFRASTRUCTURE PRACTICAL INNOVATION

PROJECT NO: 22-2016 SCALE: 1:250 DATE: 2025/01/15

DRAWING NO: OPSD 20 OF 21





LIGHTING POLE SUMMARY			
POLE NO.	LOCATION	STATION	OFFSET FROM ALIGNMENT
P1	QUEEN STREET	0 + 290.01	-11.100
P2	QUEEN STREET	0 + 273.60	-12.644
P3	WEST STREET	0 + 267.63	-7.478
P4	WEST STREET	0 + 271.39	7.377
P5	QUEEN STREET	0 + 274.42	13.390
P6	QUEEN STREET	0 + 291.29	15.143
P7	WEST STREET	0 + 296.15	7.682
P8	WEST STREET	0 + 296.53	-7.832
P9	QUEEN STREET	0 + 292.77	10.478
P10	WEST STREET	0 + 293.71	-7.799
P11	WEST STREET	0 + 268.88	-7.412
HH101	WEST STREET	0 + 294.94	-7.561
HH102	WEST STREET	0 + 265.94	-7.247
HH103	QUEEN STREET	0 + 273.81	12.087
HH104	WEST STREET	0 + 298.92	7.727

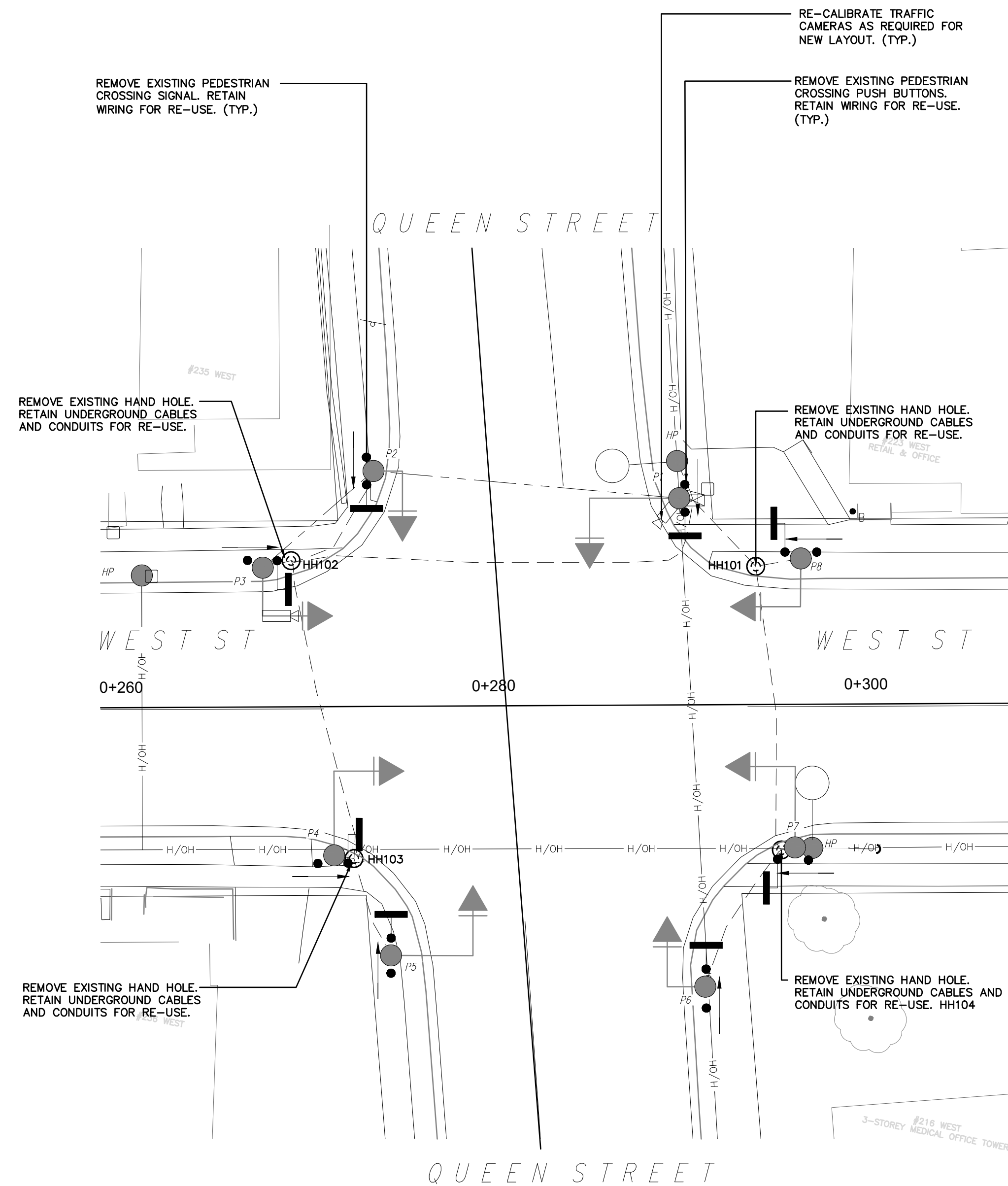
**ELECTRICAL LEGEND**

- LIGHT FIXTURE
- TRAFFIC SIGNAL HEAD
- NEW UTILITY POLE
- AUDIBLE PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- ELECTRICAL HAND HOLE
- TRAFFIC CABINET
- HYDRO POLE
- TRAFFIC DETECTOR CAMERA

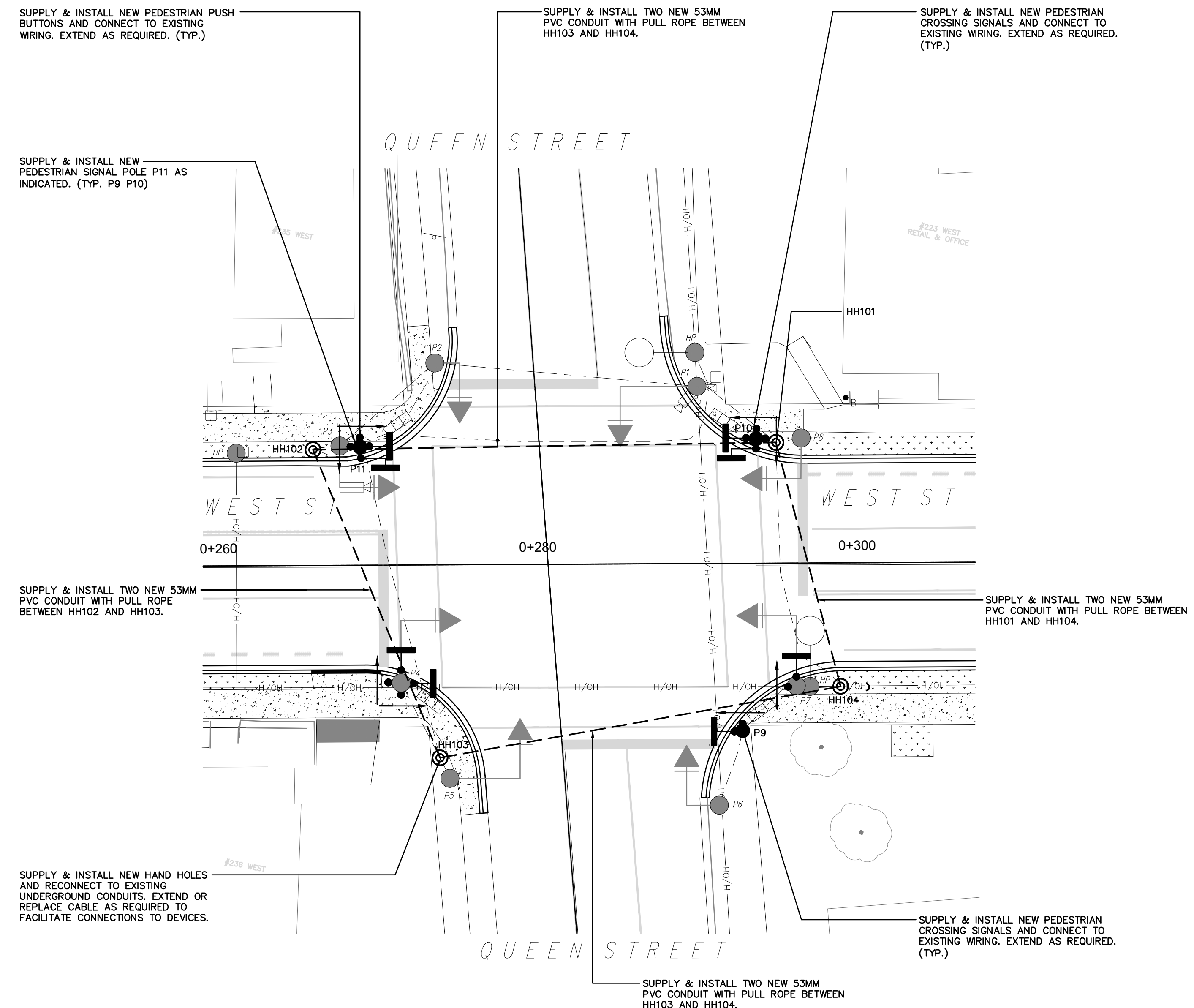
**NOTES:**

- TRAFFIC SIGNALS AND POSTS TO REMAIN IN EXISTING LOCATIONS
- REDIRECT VIDEO CAMERA DETECTORS TO COMPENSATE FOR CONDENSING OF FOUR LANES TO THREE LANES
- CONNECT NEW PEDESTRIAN SIGNALS AND BUTTONS TO EXISTING TRAFFIC CONTROL CIRCUIT
- ENSURE NEW PEDESTRIAN PUSH BUTTONS ARE COMPLIANT WITH AODA STANDARD 413/12 INTEGRATED ACCESSIBILITY STANDARDS 80.28.

OTHER UTILITIES REMOVED FOR CLARITY. REFER TO CIVIL DRAWINGS FOR UTILITY LOCATIONS. CONTRACTOR TO OBTAIN UNDERGROUND LOCATES FOR OTHER UTILITIES PRIOR TO ANY EXCAVATION



**SIGNAL LIGHTING - REMOVALS**  
SCALE 1:200



**SIGNAL LIGHTING - RESTORATIONS**  
SCALE 1:200

No.	Revision	Date	Initial
0	ISSUED FOR TENDER	08/30/24	JK

- Notes:
- CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING DIMENSIONS AND EXISTING CONDITIONS AT THE OUTSET OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER. DO NOT PROCEED WITHOUT FURTHER WRITTEN DIRECTION FROM THE ENGINEER.
  - DRAWING SHOWS GENERAL ARRANGEMENT ONLY. DO NOT SCALE.

Approved	Approved
----------	----------

**TBT ENGINEERING CONSULTING GROUP**  
 Phone: (807) 624-5160  
 E-mail: info@tbte.ca

WEST STREET RECONSTRUCTION  
 SIMCOE ON

**ELECTRICAL**  
**QUEEN STREET INTERSECTION**  
**RECONSTRUCTION**

Scale: 1:200	Drawn By: GD Ckd. By: JK	Date: AUG 2024
Dwg. No.: 24-155-E1	Rev. 0	