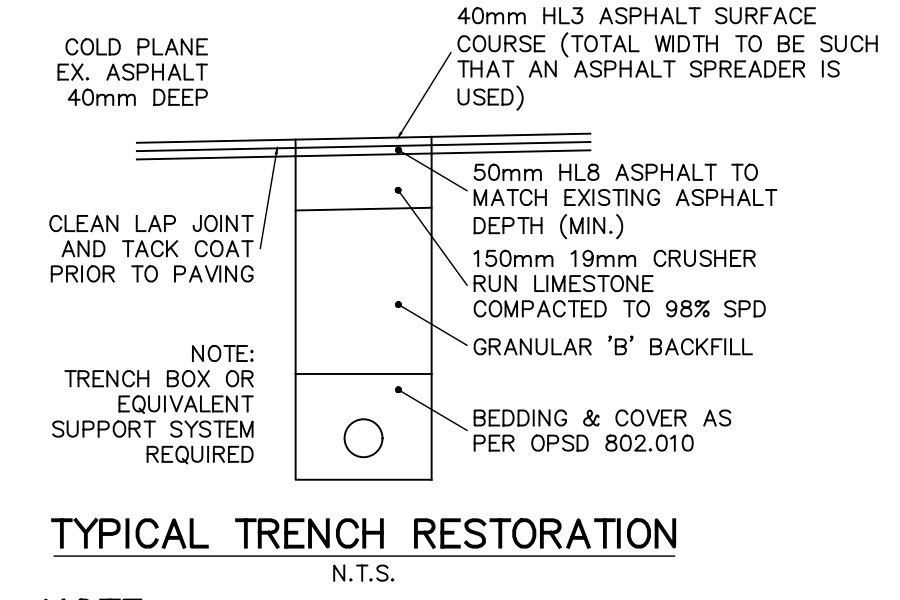
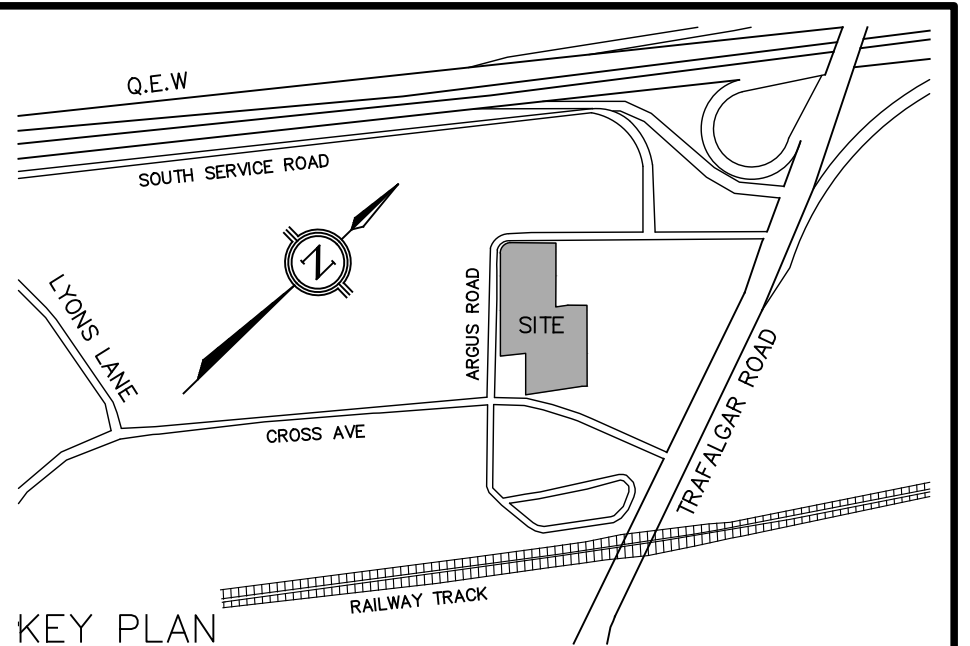
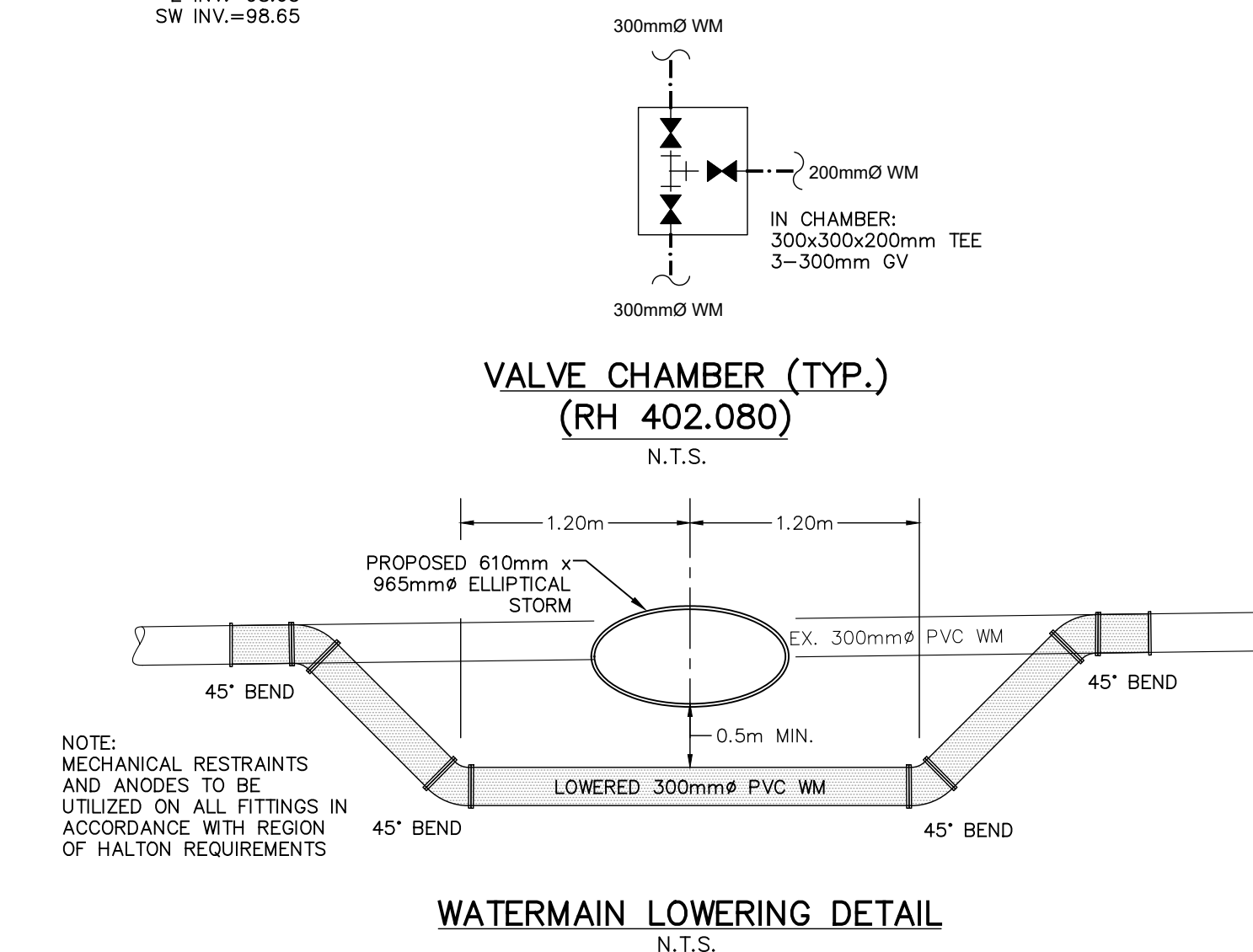
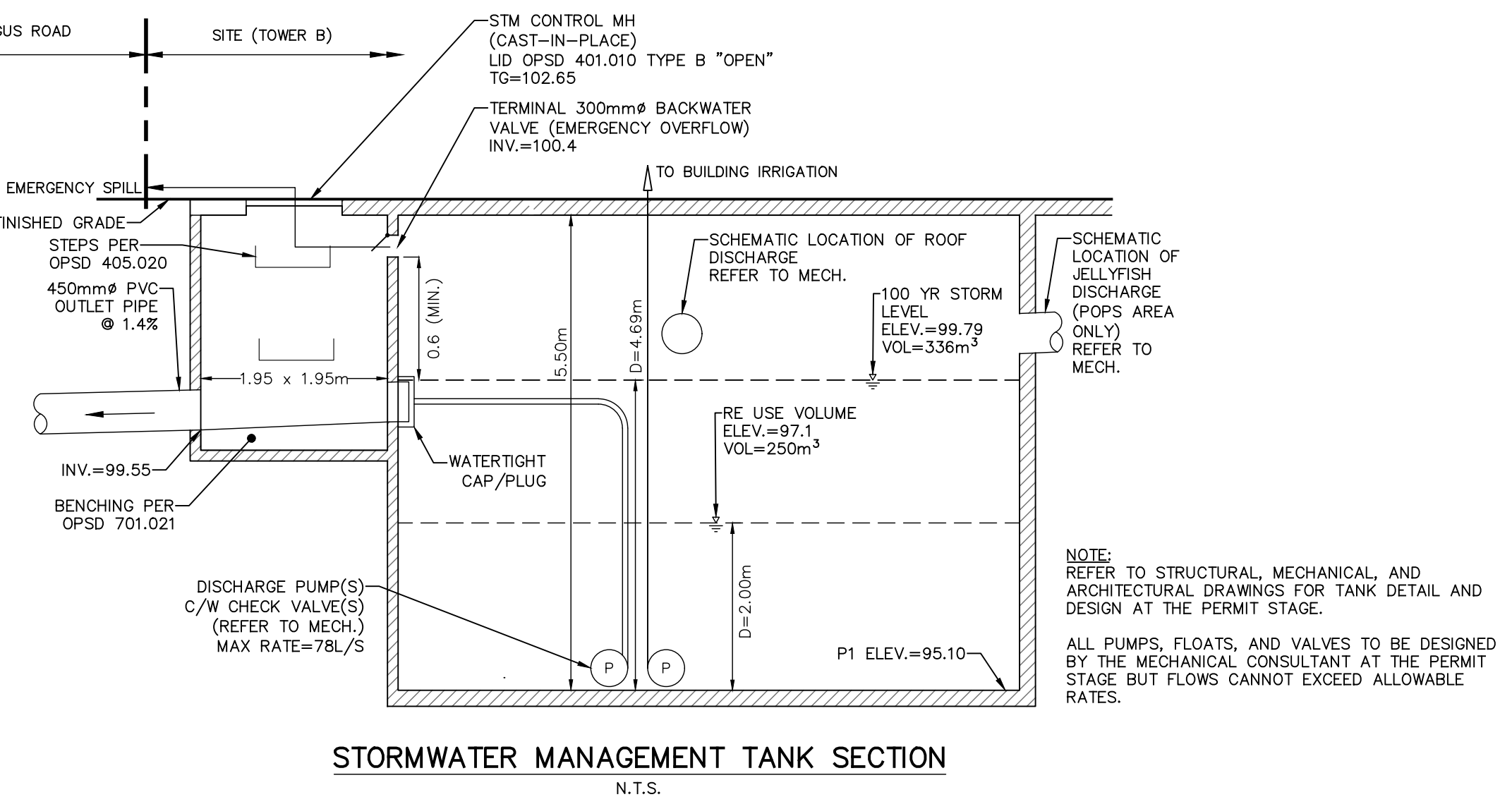


CROSSING TABLE	
C1	SAN INV. = 100.41 900mm <sup>Ø</sup> WM OBV. = 98.90 Δ = 1.51m
C2	300mm <sup>Ø</sup> WM INV. = 101.25 SAN OBV. = 101.85 Δ = 0.40m
C3	STM INV. = 99.16 SAN OBV. = 98.68 Δ = 0.48
C4	STM INV. = 99.21 900mm <sup>Ø</sup> WM OBV. = 98.10 Δ = 1.11
C5	300mm <sup>Ø</sup> WM INV. = 100.10 STM OBV. = 99.69 Δ = 0.41m
C6	STM INV. = 98.68 SAN OBV. = 98.49 Δ = 0.19m
C7	300mm <sup>Ø</sup> WM OBV. = 99.35 STM INV. = 98.85 Δ = 0.50m
C8	STM INV. = 99.02 SAN OBV. = 97.62 Δ = 1.38m
C9	300mm <sup>Ø</sup> WM INV. = 98.80 SAN OBV. = 97.33 Δ = 1.47m
C10	STM INV. = 99.09 300mm <sup>Ø</sup> WM OBV. = 98.33 Δ = 0.76m



**NOTE:**

- PLACE HLB ASPHALT TO MATCH EX SURFACE.
- IN FOLLOWING CONSTRUCTION SEASON GRIND ASPHALT 40mm DEEP AND PLACE 40mm HLB ASPHALT.



**LEGEND**

- PROPOSED STORM SEWER + MH
- EXISTING STORM SEWER + MH
- EXISTING WATERMAIN
- PROPOSED WATER SERVICE
- EXISTING SANITARY SEWER + MH
- PROPOSED SANITARY SEWER + MH
- PROPERTY LINE
- PROPOSED CATCHBASIN
- PROPOSED DOUBLE CATCHBASIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE & BOX
- PROPOSED FINISHED ELEVATION
- EXISTING ELEVATION
- EXISTING ELEVATION TO REMAIN
- EXISTING CATCHBASIN
- BOREHOLE
- EXISTING FIRE HYDRANT

NO.	DATE	BY/DRAWN	REVISIONS
2	MAR 27, 2024	NAS/ZI	ISSUED FOR OPA/ZBA/DPS/SPA
1	MAY 11, 2022	NAS/ZI	ISSUED FOR OPA ZBA

CAD FILE: 1729GS.dwg | PLOT SCALE: 1:1 | PLOT DATE: Mar 27, 2024

**ELEVATION NOTE**

ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928:78), AND ARE DERIVED FROM GNSS OBSERVATIONS AND NATURAL RESOURCES CANADA'S GEOID MODEL HT2.0

**LOCAL BENCHMARK No. 1**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED AT THE NORTHERN CORNER OF THE INTERSECTION OF CROSS AVENUE AND ARGUS ROAD, AS SHOWN ON THE FACE OF PLAN  
ELEVATION=101.39m

**LOCAL BENCHMARK No. 2**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD., LAND INFORMATION SPECIALISTS

DESIGNED BY:

APPROVED BY:

CONSULTANT: **TRAFALGAR ENGINEERING**  
81-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
www.trafalgareng.com

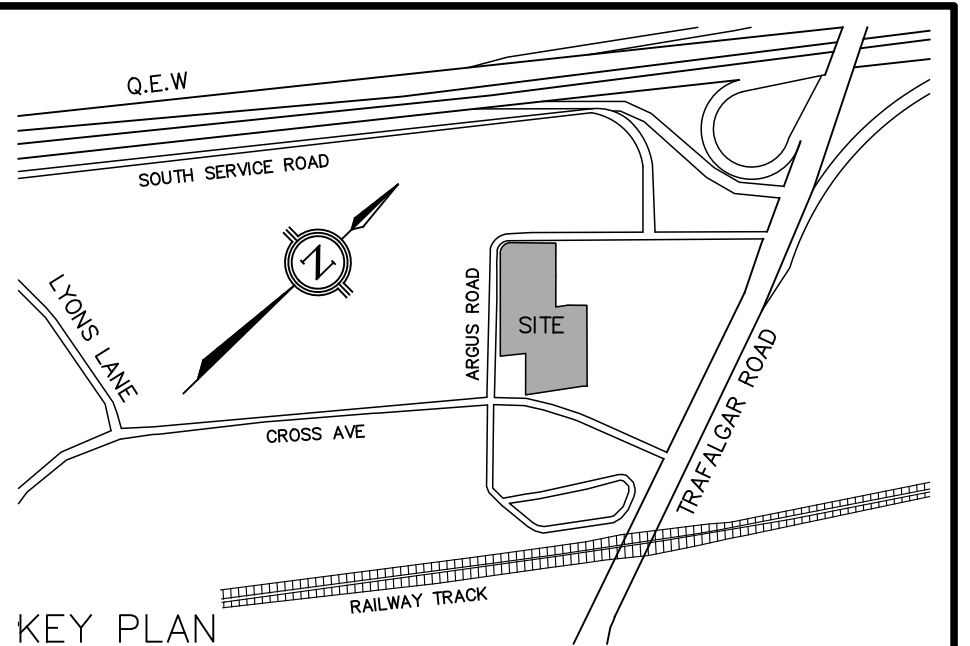
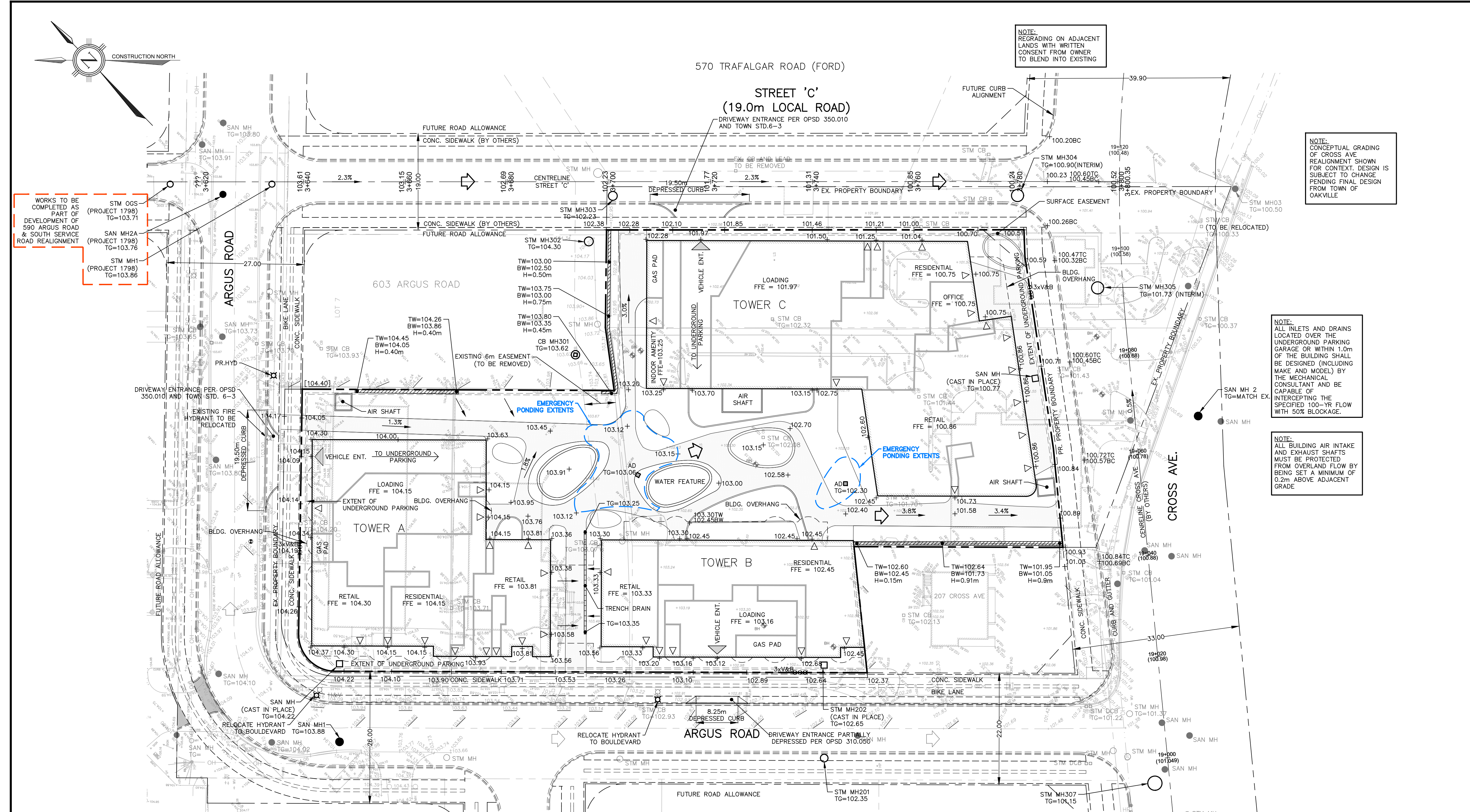
PROJECT TITLE: **ARGUS CROSS PROPOSED RESIDENTIAL CONDOMINIUM DEVELOPMENT**  
DISTRIKT DEVELOPMENTS

LOCATION: **217-227 CROSS AVE & 571-587 ARGUS RD. OAKVILLE, ONTARIO**

DRAWING TITLE: **PRELIMINARY SERVICING PLAN (INTERIM)**

SCALE: 1:400	DESIGN BY: NAS	PROJECT No: 1729
DRAWN BY: ZI	CHECKED BY: JN	PLAN No:
DATE: 2022/01/21	SHEET: 1 OF 1	<b>S1</b>

FILENAME: P:\1729 Cross and Argus\04-CAD-04-Reasoning\_OPA\1729GS.dwg  
Mar 27, 2024 - 5:43pm



**LEGEND**

- PROPOSED CATCHBASIN
- PROPOSED DOUBLE CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- ⊕ PROPOSED FIRE HYDRANT
- ⊕ PROPOSED VALVE & BOX
- 153.78 PROPOSED FINISHED ELEVATION
- 153.46 EXISTING ELEVATION
- 153.46 EXISTING ELEVATION TO REMAIN
- EXISTING CATCHBASIN
- EXISTING STORM MH
- EXISTING SANITARY MH
- ⊕ EXISTING FIRE HYDRANT
- ⊕ BOREHOLE
- ▬ PROPOSED RETAINING WALL
- ▬ PROPOSED SLOPE (1:3)
- 1.0% PROPOSED SLOPE
- ↻ OVERLAND FLOW
- [153.78] INTERPOLATED EXISTING GRADE
- PROPOSED AREA DRAIN (300mm x 300mm)

NO.	DATE	BY/DRAWN	REVISIONS
2	MAR 27, 2024	NAS/ZI	ISSUED FOR OPA/ZBA/DPS/SPA
1	MAY 11, 2022	NAS/ZI	ISSUED FOR OPA ZBA

CAD FILE: 1729GS.dwg | PLOT SCALE: 1:1 | PLOT DATE: Mar 27, 2024

**ELEVATION NOTE**  
 ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928.78), AND ARE DERIVED FROM GNSS OBSERVATIONS AND NATURAL RESOURCES CANADA'S GEOID MODEL HT2.0

**LOCAL BENCHMARK No. 1**  
 CUT CROSS IN CONCRETE SIDEWALK, LOCATED AT THE NORTHERN CORNER OF THE INTERSECTION OF CROSS AVENUE AND ARGUS ROAD, AS SHOWN ON THE FACE OF PLAN  
 ELEVATION=101.39m

**LOCAL BENCHMARK No. 2**  
 CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
 ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD., LAND INFORMATION SPECIALISTS

DESIGNED BY

APPROVED BY

CONSULTANT

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PROJECT TITLE: **ARGUS CROSS PROPOSED RESIDENTIAL CONDOMINIUM DEVELOPMENT**  
 DISTRIKT DEVELOPMENTS

LOCATION: **217-227 CROSS AVE & 571-587 ARGUS RD. OAKVILLE, ONTARIO**

DRAWING TITLE: **PRELIMINARY GRADING PLAN (ULTIMATE)**

SCALE: 1:400	DESIGN BY: NAS	PROJECT No.: 1729
DRAWN BY: ZI	CHECKED BY: JN	PLAN No.: G1
DATE: 2022/01/21	SHEET: 1 OF 1	

**GRADING NOTES**

- SEDIMENT CONTROL MEASURES INCLUDING SILT FENCE AND MUD PAD ETC. SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION, CHECKED AND REPAIRED ON A REGULAR BASIS, AND LEFT IN PLACE UNTIL PAVING AND LANDSCAPING IS COMPLETED. SEDIMENT CONTROL WHEN REMOVED SHALL BE DISPOSED OFF-SITE.
- ALL TOPSOIL SHALL BE STRIPPED PRIOR TO GRADING.
- ALL FILL PLACEMENT SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
- RETAINING WALLS WITH A HEIGHT GREATER THAN 0.6m ARE TO BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER.
- ALL DISTURBED AREAS TO BE RESTORED WITH 200mm TOPSOIL AND SOD.
- ALL DISTURBED AREAS WITH IN PUBLIC R.O.W TO BE REINSTATED TO THE SATISFACTION OF THE ENGINEERING & CONSTRUCTION DEPARTMENT. EXISTING BLVD. AREAS TO BE REINSTATED WITH 200mm TOPSOIL AND SOD.
- REFER TO GEOTECHNICAL REPORT FOR PAVEMENT STRUCTURE

**PAVEMENT STRUCTURE (ABOVE PARKING GARAGE ROOF)**

- HL-3 40mm
- HL-B 40mm
- GRANULAR 'A' 75mm (MINIMUM)

**PAVEMENT STRUCTURE (ON GRADE AND PRIVATE DRIVEWAY)**

- HL-3 40mm
- HL-B 60mm
- 19mCRL
- (OR GRANULAR 'A') 150mm
- GRANULAR 'B' (TYPE 1) 300mm

**STREET 'C' PAVEMENT STRUCTURE**

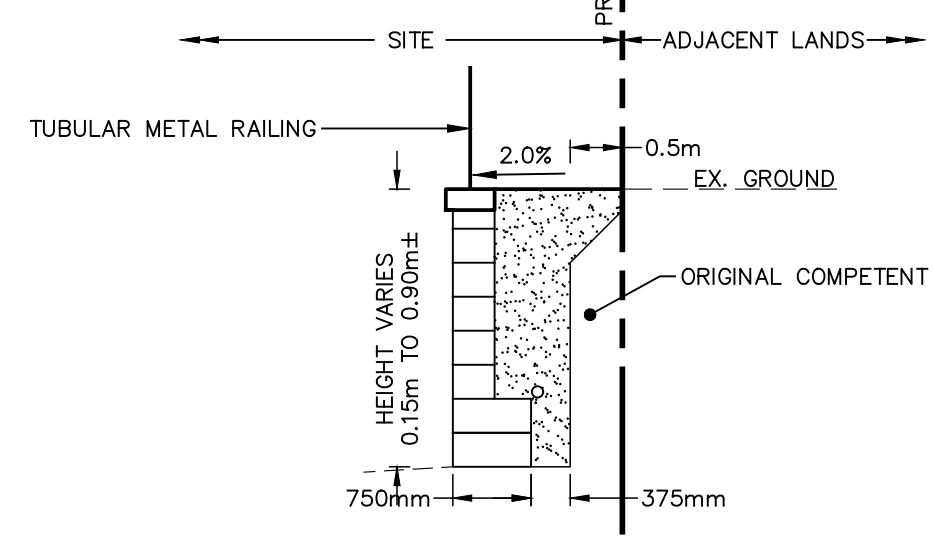
- HL-3 40mm
- HL-B 50mm
- OR GRANULAR 'A' 150mm
- GRANULAR 'B' 350mm
- (TO BE CONFIRMED BY GEOTECH)

**GRAVITY DESIGN - VERTICAL BARRIER RETAINING WALL (TYP.)**

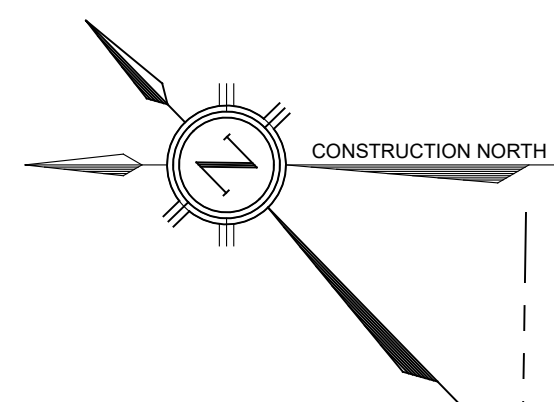
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**NOTE:**

- ALL RETAINING WALLS GREATER THAN 1.0m MUST BE DESIGNED BY AN ENGINEER
- CONTRACTOR TO SUBMIT STAMPED RETAINING WALL DESIGN DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION
- ALL WALLS GREATER THAN 0.6m IN HEIGHT REQUIRE RAILING ON TOP OF WALL

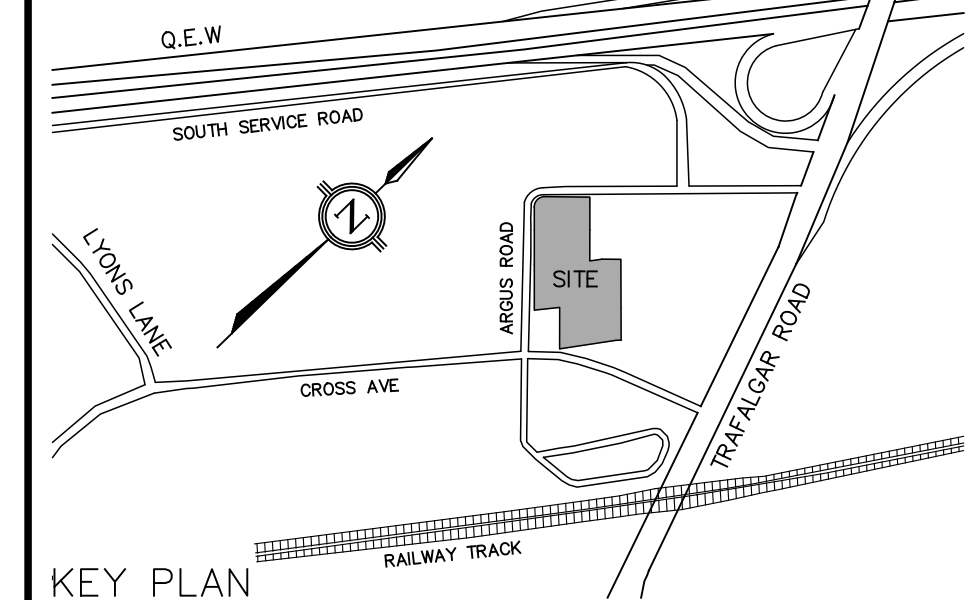


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 Mar 27, 2024 - 3:45pm



570 TRAFALGAR ROAD (FORD)  
STREET 'C'  
(19.0m LOCAL ROAD)

NOTE:  
REGRADE ON ADJACENT  
LANDS WITH WRITTEN  
CONSENT FROM OWNER  
TO BLEND INTO EXISTING



- LEGEND**
- PROPOSED CATCHBASIN
  - PROPOSED DOUBLE CATCHBASIN
  - PROPOSED STORM MANHOLE
  - PROPOSED SANITARY MANHOLE
  - ⊕ PROPOSED FIRE HYDRANT
  - ⊕ PROPOSED VALVE & BOX
  - 153.78 PROPOSED FINISHED ELEVATION
  - 153.46 EXISTING ELEVATION
  - 153.46 EXISTING ELEVATION TO REMAIN
  - EXISTING CATCHBASIN
  - EXISTING STORM MH
  - EXISTING SANITARY MH
  - ⊕ EXISTING FIRE HYDRANT
  - ⊕ BOREHOLE
  - ▬ PROPOSED RETAINING WALL
  - ▬ PROPOSED SLOPE (1:3)
  - 1.0% PROPOSED SLOPE
  - OVERLAND FLOW
  - [153.78] INTERPOLATED EXISTING GRADE

WORKS TO BE  
COMPLETED AS  
PART OF  
DEVELOPMENT OF  
590 ARGUS ROAD  
& SOUTH SERVICE  
ROAD REALIGNMENT

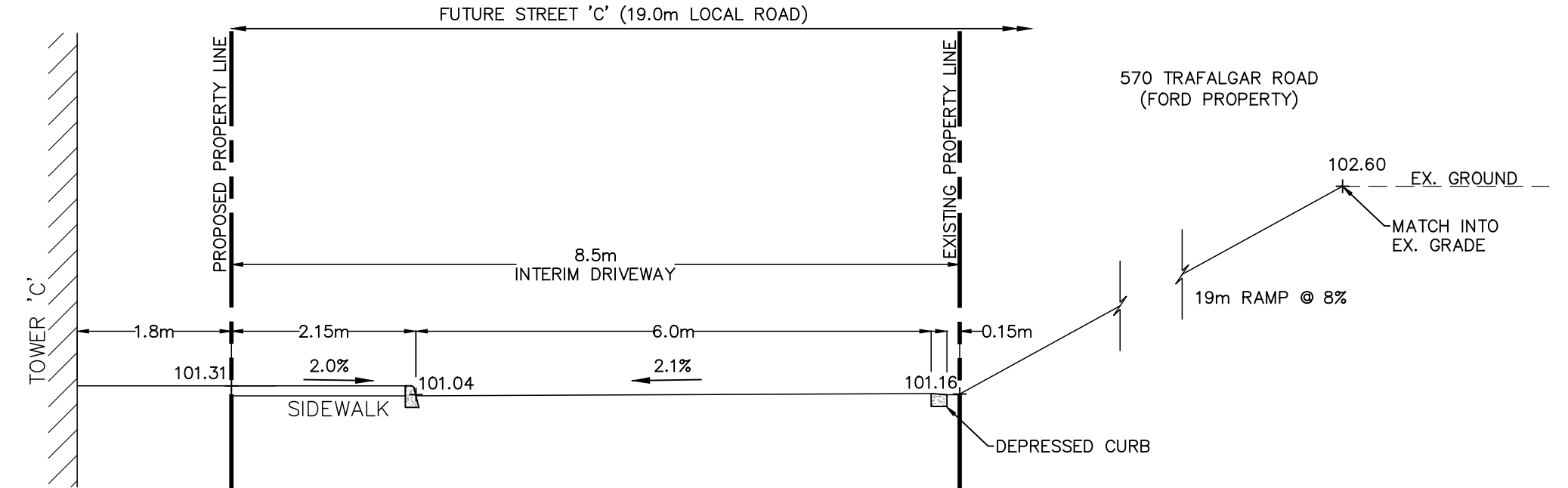
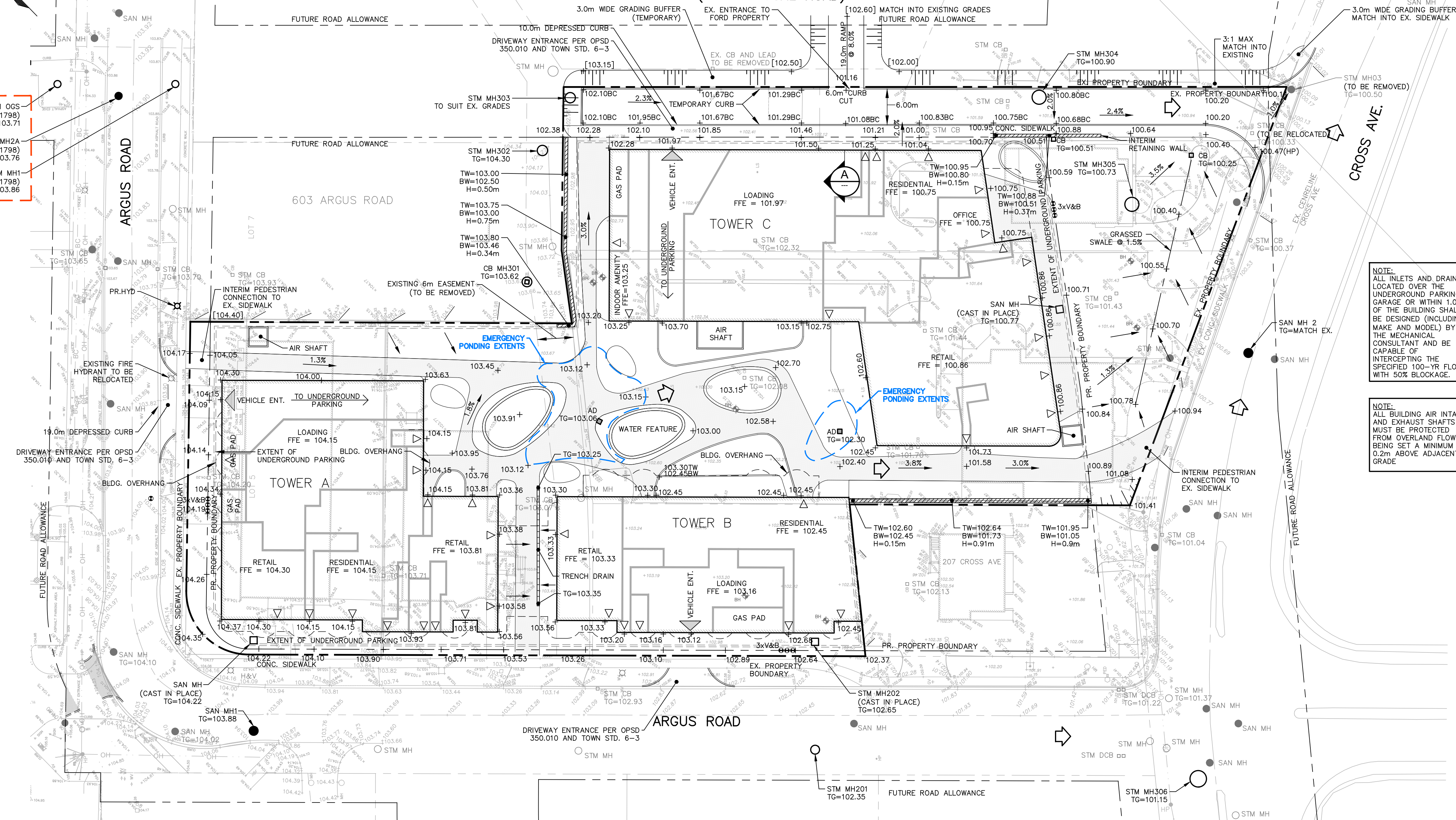
STM 0G5  
(PROJECT 1796)  
TG=103.71

SAN MH2A  
(PROJECT 1798)  
TG=103.76

STM MH1  
(PROJECT 1798)  
TG=103.86

NOTE:  
ALL INLETS AND DRAINS  
LOCATED OVER THE  
UNDERGROUND PARKING  
GARAGE OR WITHIN 1.0m  
OF THE BUILDING SHALL  
BE DESIGNED (INCLUDING  
MAKE AND MODEL) BY  
THE MECHANICAL  
CONSULTANT AND BE  
CAPABLE OF  
INTERCEPTING THE  
SPECIFIED 100-YR FLOW  
WITH 50% BLOCKAGE.

NOTE:  
ALL BUILDING AIR INTAKE  
AND EXHAUST SHAFTS  
MUST BE PROTECTED  
FROM OVERLAND FLOW BY  
BEING SET A MINIMUM OF  
0.2m ABOVE ADJACENT  
GRADE.



SECTION A  
1:15

NO.	DATE	BY/DRAWN	REVISIONS
1	MAR 27, 2024	NAS/ZI	ISSUED FOR OPA/ZBA/DPS/SPA

CAD FILE: 1729GS.dwg | PLOT SCALE: 1:1 | PLOT DATE: Mar 27, 2024

**ELEVATION NOTE**  
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ELEVATION=101.39m

**LOCAL BENCHMARK No. 2**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD., LAND INFORMATION SPECIALISTS

DESIGNED BY

APPROVED BY

CONSULTANT

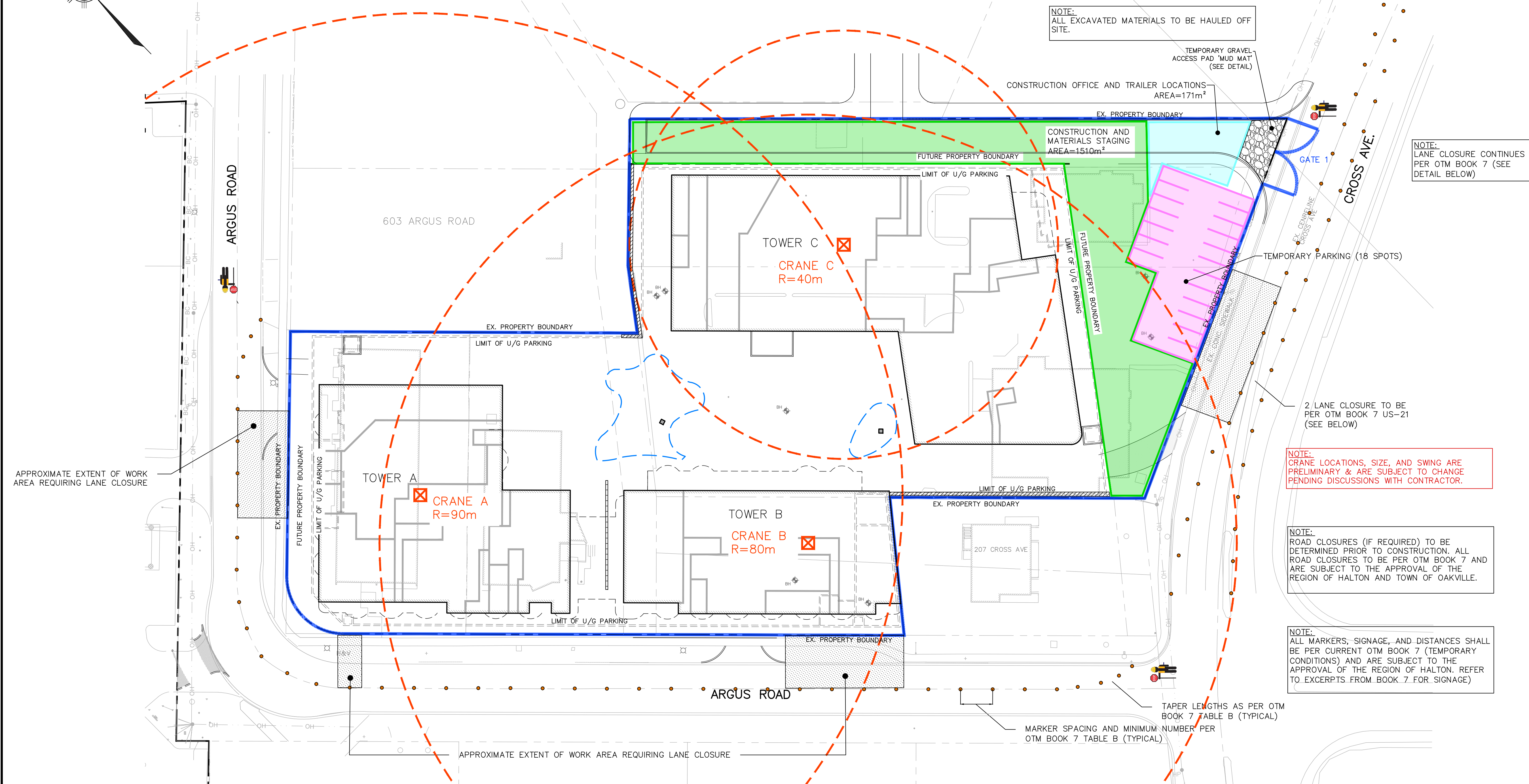
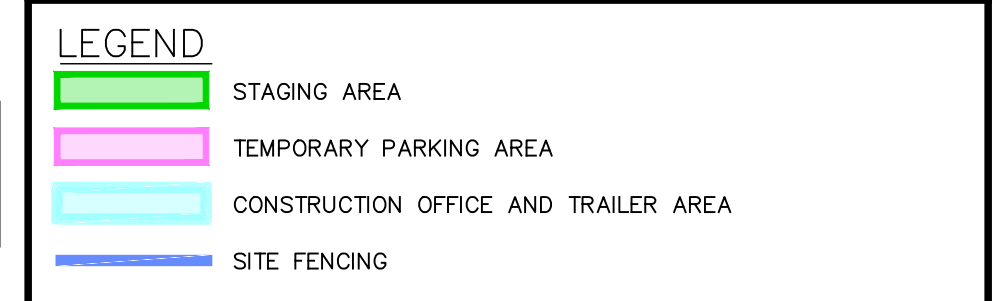
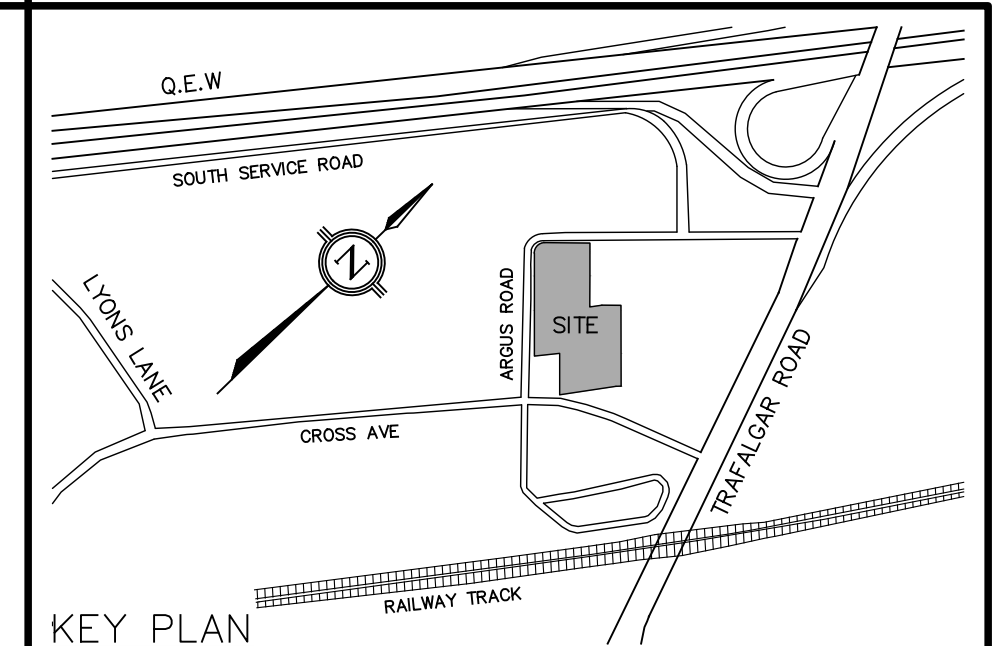
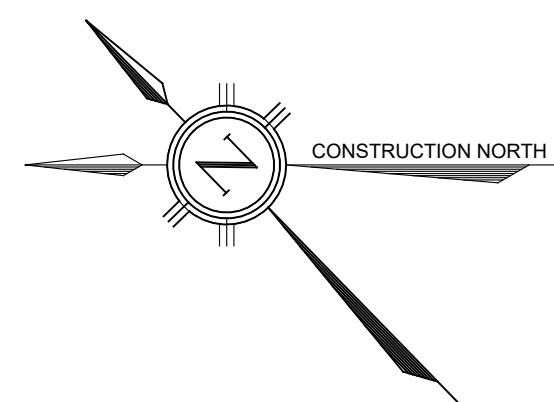
81-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
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PROJECT TITLE  
**ARGUS CROSS  
PROPOSED RESIDENTIAL CONDOMINIUM  
DEVELOPMENT  
DISTRIKT DEVELOPMENTS**

LOCATION  
**217-227 CROSS AVE &  
571-587 ARGUS RD.  
OAKVILLE, ONTARIO**

DRAWING TITLE  
**PRELIMINARY GRADING PLAN  
(INTERIM)**

SCALE	1:400	DESIGN BY	NAS	PROJECT No.	1729
DRAWN BY	ZI	CHECKED BY	JN	PLAN No.	G2
DATE	2022/01/21	SHEET	1 OF 1		



NOTE: ALL EXCAVATED MATERIALS TO BE HAULED OFF SITE.

TEMPORARY GRAVEL ACCESS PAD "MUD MAT" (SEE DETAIL)

CONSTRUCTION OFFICE AND TRAILER LOCATIONS AREA=171m<sup>2</sup>

CONSTRUCTION AND MATERIALS STAGING AREA=1510m<sup>2</sup>

NOTE: LANE CLOSURE CONTINUES PER OTM BOOK 7 (SEE DETAIL BELOW)

TEMPORARY PARKING (18 SPOTS)

2 LANE CLOSURE TO BE PER OTM BOOK 7 US-21 (SEE BELOW)

NOTE: CRANE LOCATIONS, SIZE, AND SWING ARE PRELIMINARY & ARE SUBJECT TO CHANGE PENDING DISCUSSIONS WITH CONTRACTOR.

NOTE: ROAD CLOSURES (IF REQUIRED) TO BE DETERMINED PRIOR TO CONSTRUCTION. ALL ROAD CLOSURES TO BE PER OTM BOOK 7 AND ARE SUBJECT TO THE APPROVAL OF THE REGION OF HALTON AND TOWN OF OAKVILLE.

NOTE: ALL MARKERS, SIGNAGE, AND DISTANCES SHALL BE PER CURRENT OTM BOOK 7 (TEMPORARY CONDITIONS) AND ARE SUBJECT TO THE APPROVAL OF THE REGION OF HALTON. REFER TO EXCERPTS FROM BOOK 7 FOR SIGNAGE)

APPROXIMATE EXTENT OF WORK AREA REQUIRING LANE CLOSURE

APPROXIMATE EXTENT OF WORK AREA REQUIRING LANE CLOSURE

TAPER LENGTHS AS PER OTM BOOK 7 TABLE B (TYPICAL)  
MARKER SPACING AND MINIMUM NUMBER PER OTM BOOK 7 TABLE B (TYPICAL)

NO.	DATE	BY/DRAWN	ISSUED FOR	REVISIONS
1	MAR 27, 2024	NAS/ZI	ISSUED FOR OPA/ZBA/DPS/SPA	

CAD FILE: 1729GS.dwg | PLOT SCALE: 1:1 | PLOT DATE: Mar 27, 2024

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ELEVATION=101.39m

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CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
ELEVATION=100.98m

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DESIGNED BY

APPROVED BY

CONSULTANT

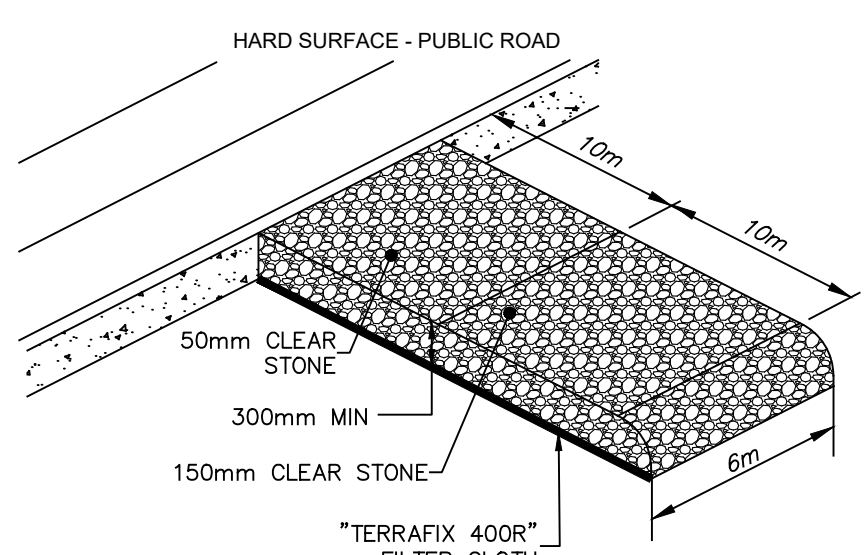
81-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
www.trafalgareng.com

PROJECT TITLE  
**ARGUS CROSS  
PROPOSED RESIDENTIAL CONDOMINIUM  
DEVELOPMENT  
DISTRIKT DEVELOPMENTS**

LOCATION  
**217-227 CROSS AVE &  
571-587 ARGUS RD.  
OAKVILLE, ONTARIO**

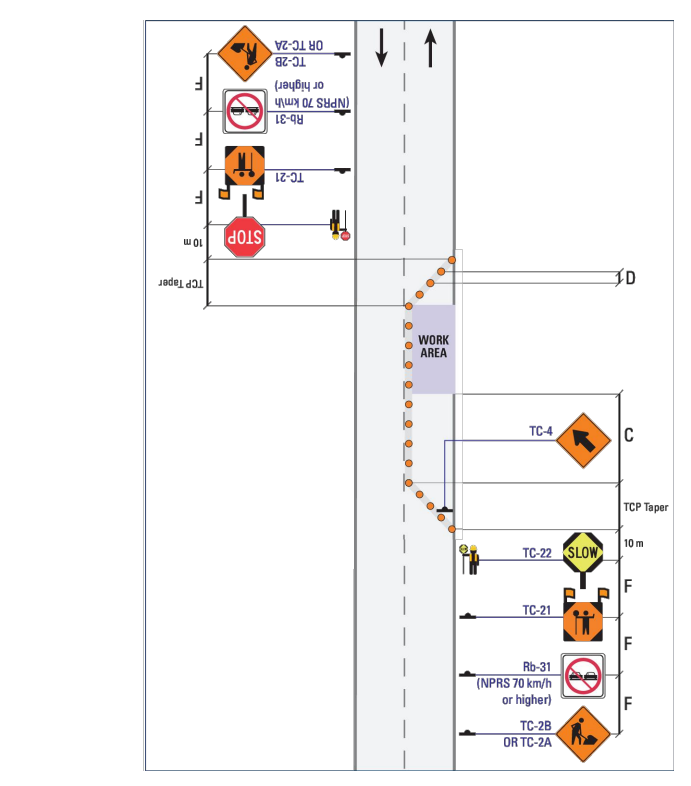
DRAWING TITLE  
**PRELIMINARY CONSTRUCTION &  
TRAFFIC MANAGEMENT PLAN**

SCALE	1:400	DESIGN BY	NAS	PROJECT No.	1729
DRAWN BY	ZI	CHECKED BY	JN	PLAN No.	CTMP
DATE	2022/01/21	SHEET	1 OF 1		



NOTE: LOCATION TO BE DETERMINED IN THE FIELD\*\*

GRAVEL ACCESS PAD (MUD MAT)  
N.T.S.



Label	Description	50 km/h	60 km/h	70 km/h	80 km/h	90 km/h
TCP	Taper Length for TCP Presence (m)	15	20	25	30	30
A	Taper Length for Full Lane Closure (m)	60	85	105	180	200
B	Shoulder Taper (m)	20	30	55	60	70
C	Longitudinal Buffer Area (LBA) (m)	130	140	90	60	75
D	Minimum Distance between Markers (m)	6	9	9	12	12
E	Minimum Number of Markers for Taper	at least 5 markers	at least 7 markers	at least 7 markers	at least 11 markers	at least 13 markers
F	Minimum Tangent between Tapers (m)	60	85	105	180	200
G	Distance between Construction Signs (m)	50	90	120	140	150
H	Mobile Work: Lateral Intrusion Distance (LID) (m)	-	-	35	45	50
I	Stationary Work: Lateral Intrusion Distance (LID) (m)	130	140	90	60	65
J	Sight Distance (m)	150	150	200	250	250

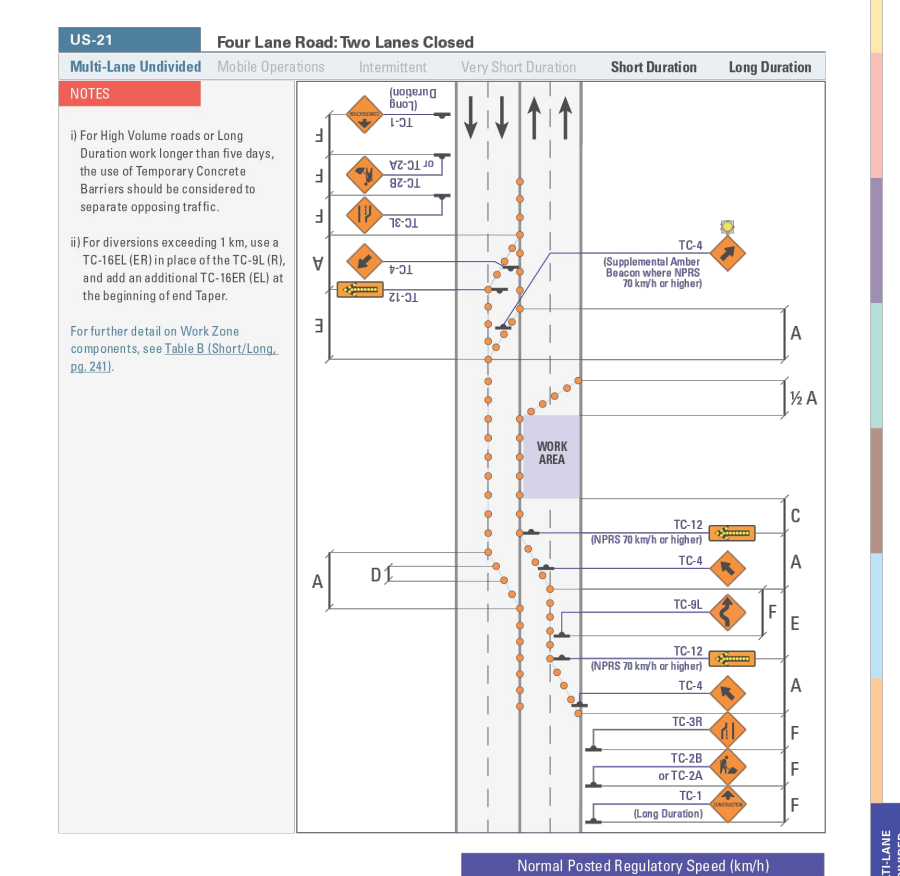
EXCERPT FROM OBC BOOK 7  
N.T.S.

Table B Work Zone Component Dimensions: Short and Long Duration Work (Non-Freeways)

Label	Description	50 km/h	60 km/h	70 km/h	80 km/h	90 km/h
TCP	Taper Length for TCP Presence (m)	15	20	25	30	30
A	Taper Length for Full Lane Closure (m)	60	85	105	180	200
B	Shoulder Taper (m)	20	30	55	60	70
C	Longitudinal Buffer Area (LBA) (m)	130	140	90	60	75
D	Minimum Distance between Markers (m)	6	9	9	12	12
E	Minimum Number of Markers for Taper	at least 5 markers	at least 7 markers	at least 7 markers	at least 11 markers	at least 13 markers
F	Minimum Tangent between Tapers (m)	60	85	105	180	200
G	Distance between Construction Signs (m)	50	90	120	140	150
H	Mobile Work: Lateral Intrusion Distance (LID) (m)	-	-	35	45	50
I	Stationary Work: Lateral Intrusion Distance (LID) (m)	130	140	90	60	65
J	Sight Distance (m)	150	150	200	250	250

- Table B dimensions are based on good visibility and should be increased if visibility is poor.
- The regulatory maximum speed posted on a highway applies under normal conditions, that is, when no construction zone or work activity is present. Greater provisions require an OTM Book 7 and based on normal posted regulatory speed, and not an temporary reduced construction site regulatory or advisory speeds.
- Shoulder taper is used for mobile work, which includes shoulder work and roadway edge work.
- LBA and ID are not required, but are strongly recommended, at speeds of 60 km/h or lower. However, they should always be used for closed lanes on multi-lane roads if space permits.
- Markers are alternating advance. Application guidelines are shown in Section 6.1. Come with reflective colors may be used for daytime or nighttime operation on any roadway.
- Distance between Construction Signs (F) also refers to the required distance for the placement of a TC Warning Sign ahead of the hazard where referenced in Section 6.1.1 for the individual signs. For more details on the positioning and installation of signs, refer to Section 6.1.1.

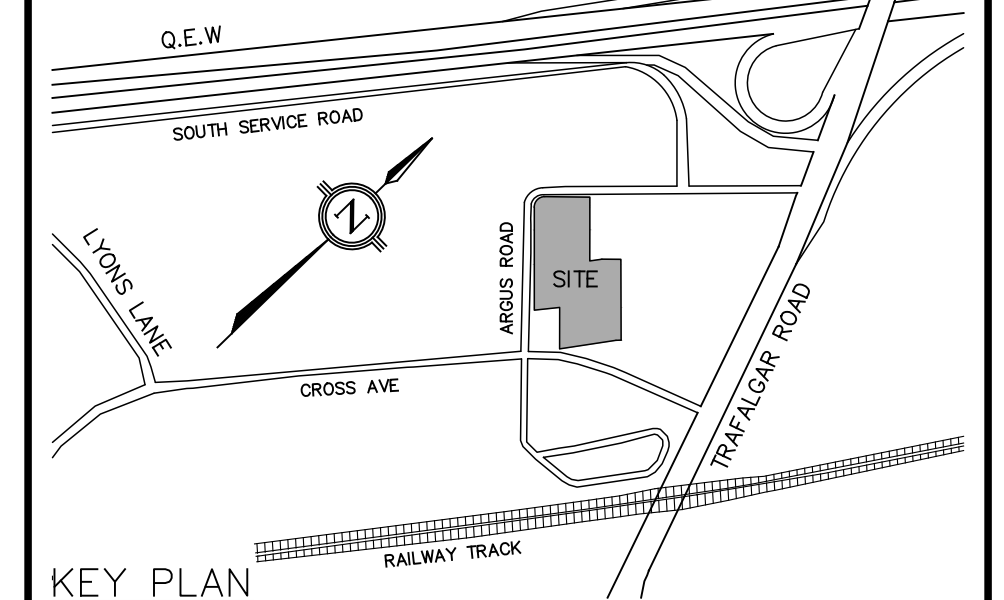
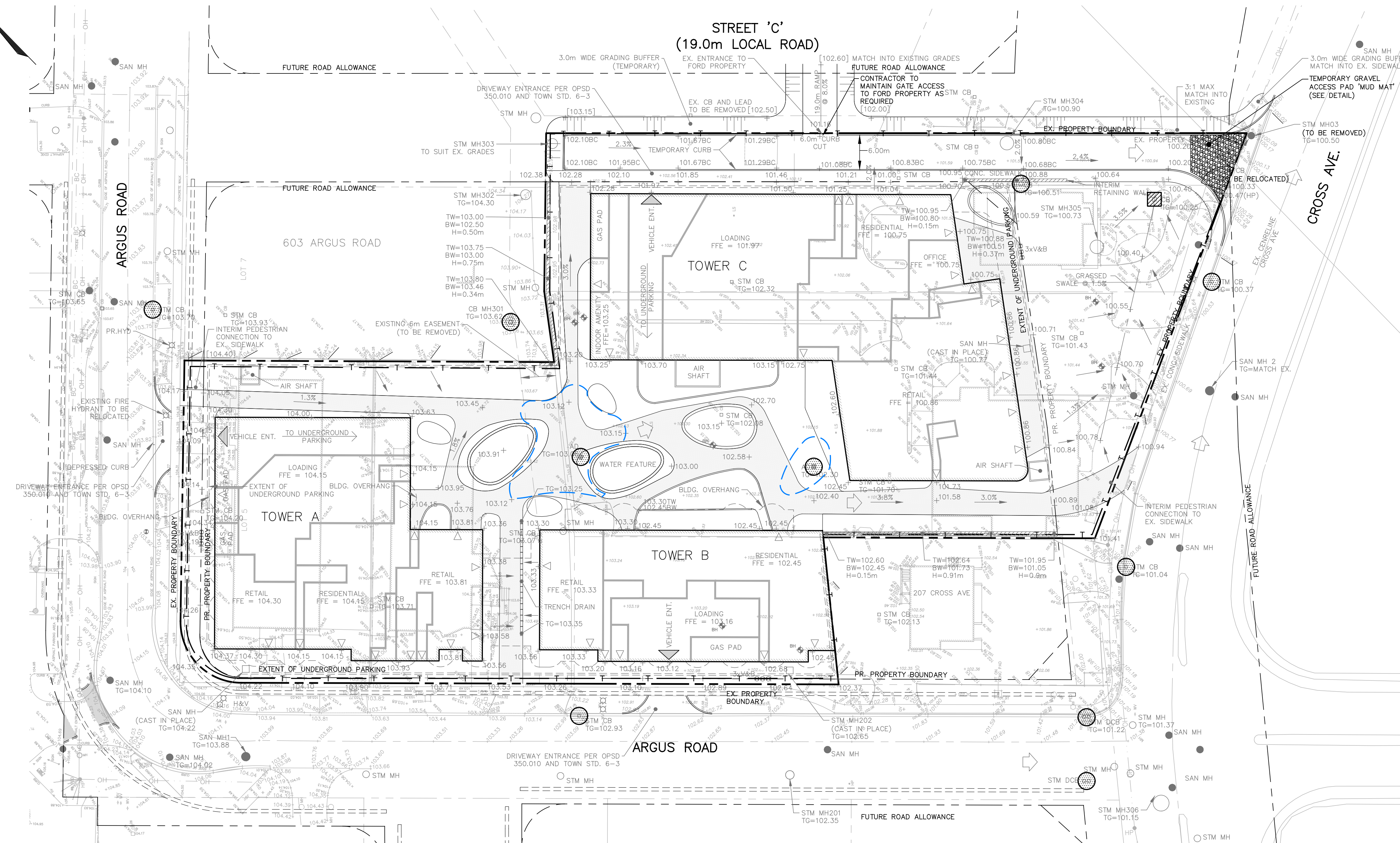
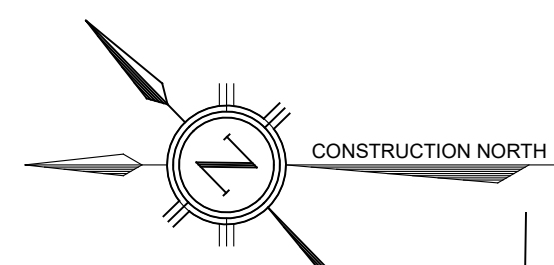
TABLE B FROM OBC BOOK 7  
N.T.S.



Label	Description	50 km/h	60 km/h	70 km/h	80 km/h	90 km/h
A	Taper Length for Full Lane Closure (m)	60	85	105	180	200
B	Shoulder Taper (m)	20	30	55	60	70
C	Longitudinal Buffer Area (LBA) (m)	130	140	90	60	75
D	Minimum Distance between Markers (m)	6	9	9	12	12
E	Minimum Number of Markers for Taper	5	7	7	11	13
F	Minimum Tangent between Tapers (m)	60	85	105	180	200
G	Distance between Construction Signs (m)	50	90	120	140	150

EXCERPT FROM OBC BOOK 7  
N.T.S.

FILENAME: P:\1729 Cross and Argus\04-CAD\04-Rezoning\_OPA\1729GS.dwg  
Mar 27, 2024 - 5:40pm



**LEGEND**

+ 111.80	PROPOSED ELEVATION
+ 113.96	EXISTING ELEVATION
+ 113.96	EXISTING ELEVATION TO REMAIN
→	PROPOSED SWALE DIRECTION
→	PROPOSED DRAINAGE DIRECTION
▬	PROPOSED SLOPE
□	PROPOSED CATCHBASIN
□	PROPOSED DOUBLE CATCHBASIN
○	PROPOSED STORM MANHOLE
○	PROPOSED STORM CATCHBASIN MANHOLE
○	PROPOSED SANITARY MANHOLE
○	PROPOSED FIRE HYDRANT AND VALVE

**EROSION AND SEDIMENT CONTROL LEGEND**

○	SEDIMENT CONTROL CB IN PAVED AREAS
▨	SEDIMENT CONTROL CB IN LANDSCAPED AREA
▬	SEDIMENT CONTROL TRENCH DRAIN
— T —	SEDIMENT CONTROL FENCE
▨	MUD MAT

1	MAR 27, 2024	NAS/ZI	ISSUED FOR OPA/ZBA/DPS/SPA
NO.	DATE	BY/DRAWN	REVISIONS
CAD FILE: 1729GS.dwg   PLOT SCALE: 1:1   PLOT DATE: Mar 27, 2024			

**ELEVATION NOTE**  
ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928.78), AND ARE DERIVED FROM GNSS OBSERVATIONS AND NATURAL RESOURCES CANADA'S GEOD MODEL HT2.0.

**LOCAL BENCHMARK No. 1**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED AT THE NORTHERN CORNER OF THE INTERSECTION OF CROSS AVENUE AND ARGUS ROAD, AS SHOWN ON THE FACE OF PLAN  
ELEVATION=101.39m

**LOCAL BENCHMARK No. 2**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD., LAND INFORMATION SPECIALISTS

DESIGNED BY

APPROVED BY

**CONSULTANT**

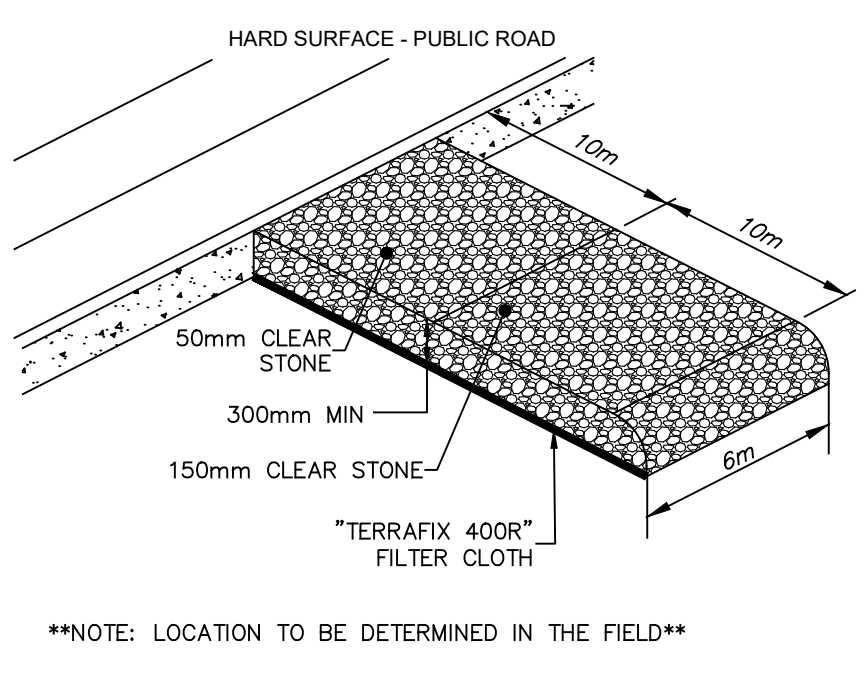
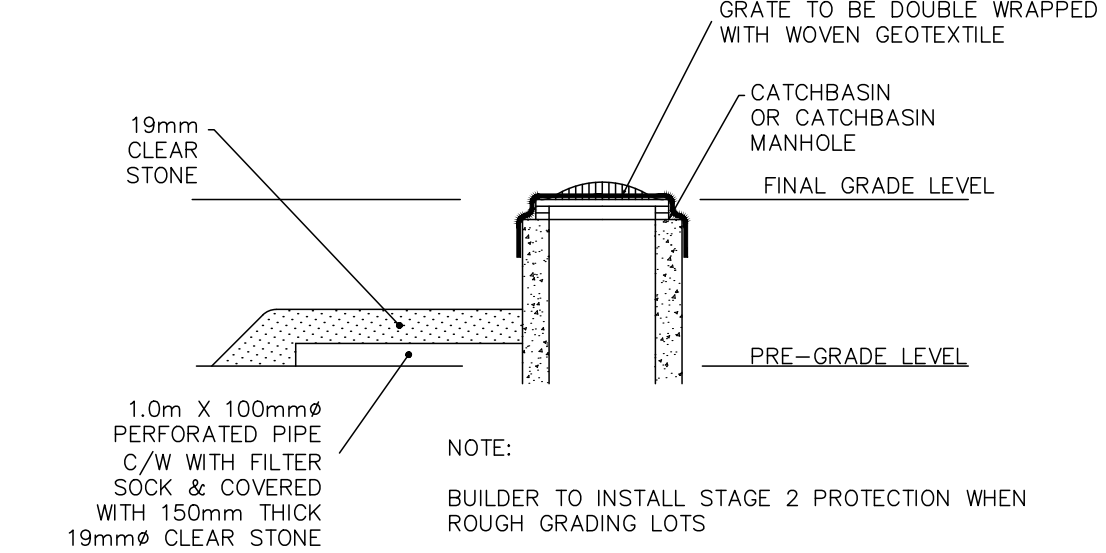
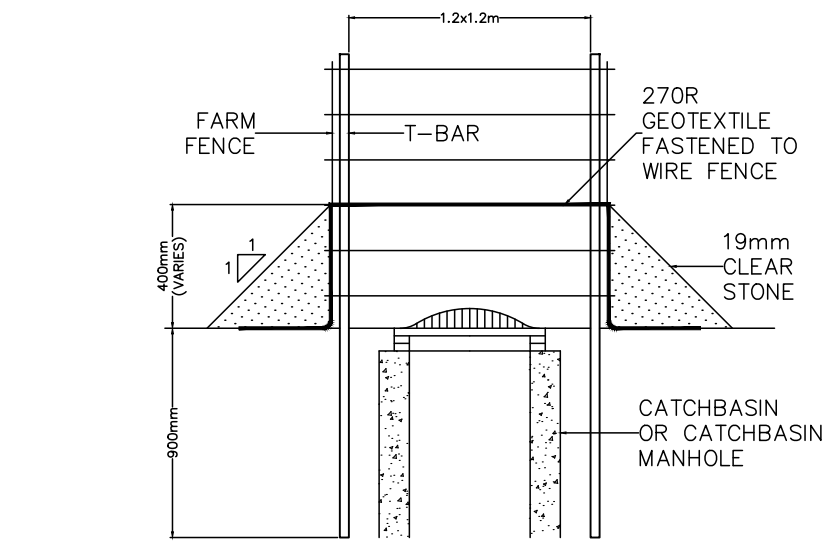
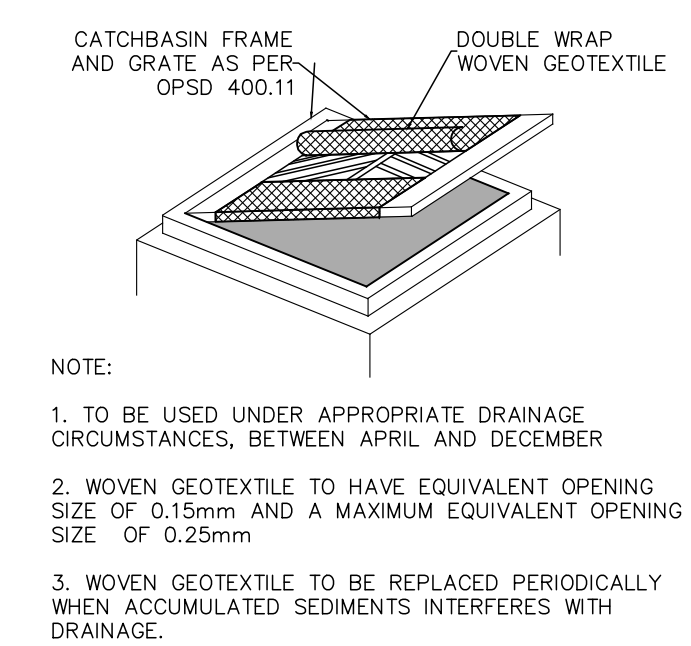
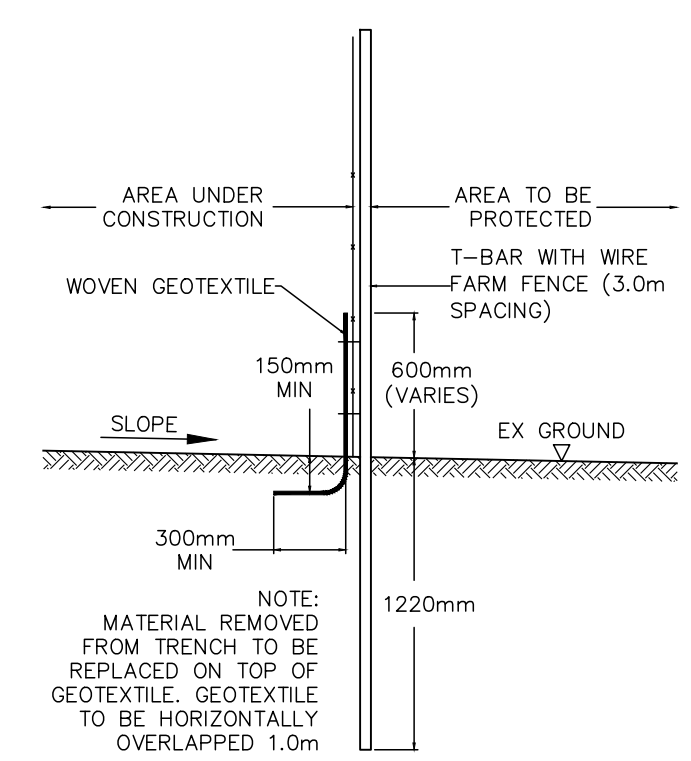
**TRAFALGAR ENGINEERING**  
81-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
www.trafalgareng.com

**PROJECT TITLE**  
ARGUS CROSS  
PROPOSED RESIDENTIAL CONDOMINIUM DEVELOPMENT  
DISTRITK DEVELOPMENTS

**LOCATION**  
217-227 CROSS AVE &  
571-587 ARGUS RD.  
OAKVILLE, ONTARIO

**DRAWING TITLE**  
EROSION AND SEDIMENT CONTROL PLAN

SCALE	1:400	DESIGN BY	NAS	PROJECT No.	1729
DRAWN BY	ZI	CHECKED BY	JN	PLAN No.	E1
DATE	2022/01/21	SHEET	1 OF 1		



FILENAME: P:\1729 Cross and Argus\04-CAD\04-Rezoning\_OPA\1729GS.dwg  
Mar 27, 2024 - 5:28am

### GENERAL NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE REGIONAL MUNICIPALITY OF HALTON, TOWN OF OAKVILLE AND THE ONTARIO BUILDING CODE (PART 7), ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS (OPSS & OPSD) SHALL BE USED IN ABSENCE OF LOCAL STANDARDS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, MECHANICAL AND LANDSCAPE DRAWINGS.
- ALL INFORMATION SHOWN REGARDING THE LOCATION AND SIZE OF EXISTING UTILITIES AND/OR SERVICES HAS NOT BEEN VERIFIED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF UTILITIES PRIOR TO CONSTRUCTION AND PROTECTING AND MAINTAINING DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL GIVEN GRADES AND ELEVATIONS PRIOR TO CONSTRUCTION AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
- ALL GRADING CHANGES SHALL BE APPROVED BY THE ENGINEER AND TOWN OF OAKVILLE PRIOR TO IMPLEMENTATION.
- CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR PAVEMENT CONSTRUCTION AND DEWATERING DETAILS.
- ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES FOUND PRIOR TO OR DURING CONSTRUCTION SHALL BE CLARIFIED WITH THE ENGINEER.

### WATERMAINS

- ALL WATERMAINS 100mm AND LARGER SHALL BE PVC, C-900, CLASS 150, SDR18 C/W MECHANICAL RESTRAINTS & TRACER WIRE PER REGION REQUIREMENTS.
- WATER SERVICE CONNECTION LESS THAN 50mm TO BE COPPER, TYPE "K" SOFT COPPER TUBING.
- BEDDING ON WATER SERVICE SHALL BE PER OPSD 802.010\*.
- \* INDICATES O.P.S.D. CAN BE USED AS MODIFIED BY REGION OF HALTON.
- VALVE AND BOX FOR 100mm TO 300mm WATER SERVICE PER REGION STDS.
- COVER SHALL BE 1.7m MIN. UNLESS OTHERWISE NOTED.
- CONNECTION TO EXISTING WATERMAIN SHALL BE PER REGION OF HALTON STD RH 409.010.
- WATER SYSTEM SHALL BE TESTED AND DISINFECTED TO MEET REGIONAL REQUIREMENTS.
- HYDRANTS SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C502 AND SHALL HAVE STEAMER PORTS AS PER REGION STANDARD SPECIFICATIONS (SEE NOTE 12). ALL HYDRANTS SHALL BE INSTALLED AS PER OPSD 1105.010\*. IF HYDRANT BARREL DEPTH EXCEEDS 1.7m A HYDRANT THAT CAN BE RAISED FROM THE BOTTOM WITHOUT INCREASING ROD LENGTH IS TO BE USED.
- MINIMUM LATERAL SEPARATION FROM OTHER UTILITIES IS 2.5m.
- WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.30m (12 INCHES) OVER, 0.50m (20 INCHES) UNDER SEWERS AND ALL OTHER UTILITIES.
- STORZ PUMPER CONNECTION FOR HYDRANTS AS FOLLOWS:  
TWO (2) 63.5mm (2 1/2") WITH CSA STANDARD THREAD, 63.5mm I.D., 5 THREADS PER 25mm, 31.75mm SQUARE OPERATING NUT; AND STORZ CAP PAINTED GLOSS BLACK.

### SANITARY SEWERS

- ALL SANITARY SEWERS SHALL BE PVC SDR28, BEDDING PER OPSD 802.010\*.
- SANITARY MANHOLE SHALL BE AS PER OPSD 701.010\* c/w COVER PER OPSD 401.010\*, STEPS PER OPSD 405.010.
- \* INDICATES O.P.S.D. CAN BE USED MODIFIED BY REGION OF HALTON.
- BENCHING IN MANHOLES SHALL BE UP TO THE OVERTOP OF THE PIPE.

### STORM SEWERS

- ALL STORM SEWERS 600 mm AND SMALLER SHALL BE PVC SDR35 WITH BEDDING PER OPSD 802.010 UNLESS OTHERWISE NOTED.
- ALL STORM SEWERS 675 mm AND LARGER SHALL BE REINFORCED CONCRETE PIPE CLASS 65-D CSA A257.2 COMPLETE WITH BEDDING PER OPSD 802.030.
- CATCHBASIN SHALL BE PER OPSD 705.010, DOUBLE CATCHBASIN PER OPSD 705.020 C/W GRATE PER OPSD 400.020
- CATCHBASINS IN LANDSCAPED AREAS SHALL BE SUMPLESS AND C/W BEEHIVE TOP AS PER TOWN STD.S-2
- ALL CATCHBASINS IN LANDSCAPED AREAS SHALL BE INSTALLED WITH A SUB-DRAIN. SUB-DRAIN TO BE 100mm DIA. PERFORATED PIPE C/W FILTER SOCK SURROUNDED BY 13mm CLEAR STONE AS PER SUB-DRAIN DETAIL
- ALL CATCHBASIN LEAD SHALL 250mm DIA. AT 2.0% MIN. UNLESS OTHERWISE NOTED.
- ALL CATCHBASIN MANHOLES SHALL BE BENCHED.
- ALL STORM MANHOLES SHALL BE 1200mm DIA PER OPSD 701.010 c/w COVER PER OPSD 401.010, UNLESS OTHERWISE NOTED.
- ALL CATCHBASIN AND CATCHBASIN MANHOLES IN PAVED AREAS SHALL BE INSTALLED WITH 3.0m - 100mmØ PERFORATED PIPE C/W FILTER SOCK EXTENDING OUT FROM THE CATCHBASIN AND LOCATED BELOW THE SUBGRADE SURROUNDED BY 50mm GRANULAR 'A'

### GRADING NOTES

- ALL TOPSOIL SHALL BE STRIPPED PRIOR TO GRADING.
- ALL FILL PLACEMENT SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
- RETAINING WALLS WITH A HEIGHT GREATER THAN 0.6m ARE TO BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER.
- ALL DISTURBED AREAS TO BE RESTORED WITH 200mm TOPSOIL AND SEED.
- ALL DISTURBED AREAS WITHIN THE PUBLIC RIGHT-OF-WAY TO BE RESTORED WITH 200mm TOPSOIL AND SOD.
- ALL WORKS WITHIN THE PUBLIC ROADWAY TO RESTORED TO THE SATISFACTION OF THE MUNICIPALITY.
- ALL CURBING SHALL BE 150mm HIGH BARRIER CURB PER OPSD 600.110, UNLESS OTHERWISE NOTED

### SERVICING NOTES

- UNLESS NOTED OTHERWISE, ALL UTILITIES SHALL BE BACKFILLED WITH GRANULAR BACKFILL COMPACTED TO 98% S.P.M.D.D. NATIVE BACKFILL MAY BE USED WITH THE PERMISSION OF THE GEOTECHNICAL CONSULTANT. BEDDING AND COVER MATERIAL SHALL BE PER THE GEOTECHNICAL CONSULTANTS' RECOMMENDATIONS.
- BACKFILLING AND RESTORATION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE TOWN OF OAKVILLE ROAD CUT PERMIT AND TO THE SATISFACTION OF THE ENGINEERING & CONSTRUCTION DEPARTMENT.
- SURROUND ALL MANHOLES WITH A MINIMUM OF 1.0m COMPACTED GRANULAR 'C' BACKFILL.
- ALL ENDS OF SERVICE CONNECTIONS SHALL BE MARKED WITH 50x100 LUMBER PLACED FROM INVERT OF SERVICE TO 1.0m ABOVE GRADE.
- ALL SEWERS SHALL BE FLUSHED AND CCTV INSPECTED AT COMPLETION.
- ALL REMOVED OR DAMAGED CURBS, SIDEWALK, GRANULARS, ASPHALT AND SOD RESULTING FROM SERVICE INSTALLATION SHALL BE REINSTATED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY.

### EROSION AND SEDIMENT CONTROL NOTES

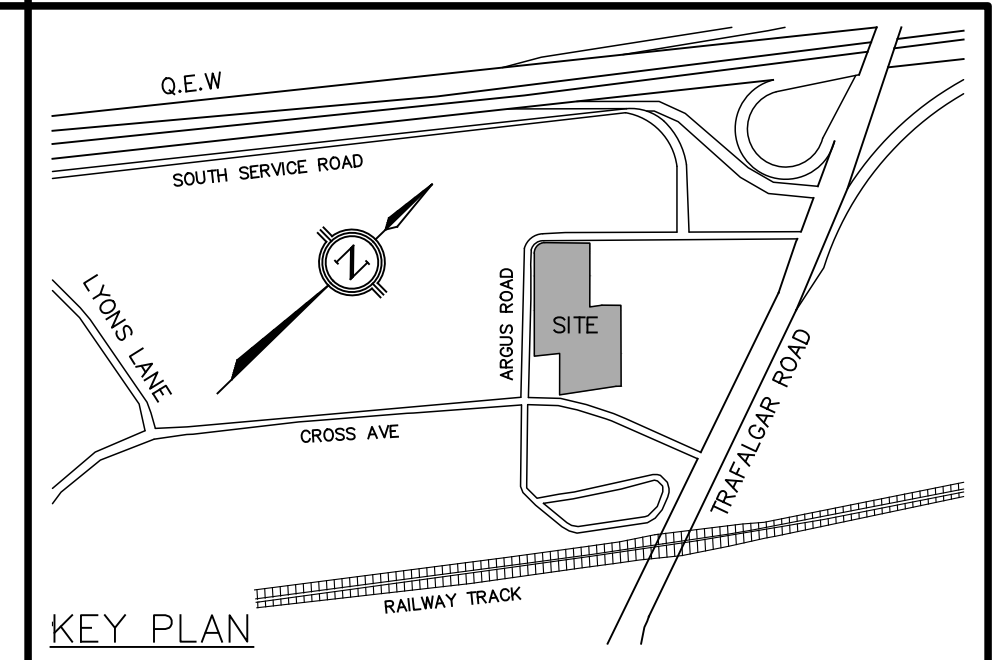
- THE CONTRACTOR IS RESPONSIBLE TO CLEAN ALL MUD TRACKED ON TO ADJACENT ROADWAYS.
- THE MEASURES AS PROPOSED MAY BE MODIFIED AT THE DISCRETION OF THE ENGINEER TO SUIT THE PROPOSED CONSTRUCTION PROGRAMS. THE GENERAL INTENT OF THE PROPOSED EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES.
- ANY DISTURBED AREA NOT SCHEDULED FOR FURTHER CONSTRUCTION WITHIN 30 DAYS SHALL BE PROVIDED WITH A TEMPORARY SEED.
- INSTALL CATCHBASIN SEDIMENT CONTROL ON EXISTING CATCHBASINS PRIOR TO START OF CONSTRUCTION.
- INSTALL CATCHBASIN SEDIMENT CONTROL ON NEW CATCHBASINS AT TIME OF INSTALLATION.
- ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED ACCORDING TO THE APPROVED PLANS PRIOR TO COMMENCEMENT OF ANY EARTH MOVING WORK ON THE SITE AND SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED WITH THE INTENDED GROUND COVER.
- EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED BY THE BUILDER/DEVELOPER:
  - WEEKLY
  - BEFORE AND AFTER ANY PREDICTED RAINFALL EVENT
  - FOLLOWING AN UNPREDICTED RAINFALL EVENT
  - DAILY, DURING EXTENDED DURATION RAINFALL EVENTS
  - AFTER SIGNIFICANT SNOW MELT EVENTS
- EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED IN PROPER WORKING ORDER AT ALL TIMES. DAMAGED OR CLOGGED DEVICES SHALL BE REPAIRED WITHIN 48 HOURS.
- WHERE A SITE REQUIRES DEWATERING AND WHERE THE EXPULLED WATER CAN BE FREELY RELEASED TO A SUITABLE RECEIVER, THE EXPULLED WATER SHALL BE TREATED TO CAPTURE SUSPENDED PARTICLES GREATER THAN 40 MICRON IN SIZE. THE CAPTURED SEDIMENT SHALL BE DISPOSED OF PROPERLY PER MOECC GUIDELINES. THE CLEAN EXPULLED WATER SHALL FREELY RELEASE TO A SUITABLE RECEIVER THAT DOES NOT CREATE DOWNSTREAM ISSUES INCLUDING BUT NOT LIMITED TO EROSION, FLOODING - NUISANCE OR OTHERWISE, INTERFERENCE ISSUES, ETC.
- EXISTING STORM SEWER AND DRAINAGE DITCHES ADJACENT TO THE WORKS SHALL BE PROTECTED AT ALL TIMES FROM THE ENTRY OF SEDIMENT/SILT THAT MAY MIGRATE FROM THE SITE. FOR STORM SEWERS: ALL INLETS (REAR LOT CATCHBASINS, ROAD CATCHBASINS, PIPE INLETS, ETC.) MUST BE SECURED/FITTED WITH SILTATION CONTROL MEASURES. FOR DRAINAGE DITCHES: THE INSTALLATION OF ROCK CHECK DAMS, SILTATION FENCE, SEDIMENT CONTAINMENT DEVICES MUST BE INSTALLED TO TRAP AND CONTAIN SEDIMENT. THESE SILTATION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED PER ABOVE.
- IN THE EVENT OF A SPILL (RELEASE OF DELETERIOUS MATERIAL) ON OR EMANATING FROM THE SITE, THE OWNER OR OWNERS AGENT SHALL IMMEDIATELY NOTIFY THE MOECC AND FOLLOW ANY PRESCRIBED CLEAN UP PROCEDURE. THE OWNER OF OWNERS AGENT WILL ADDITIONALLY IMMEDIATELY NOTIFY THE TOWN.

### CONSTRUCTION NOTES

- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY TRAFFIC CONTROLS, PER MTO BOOK 7.
- CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT, WITH CONTROL BARS PROVIDED BY THE OWNER. PROTECTION OF CONTROL BARS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE TO VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, INCLUDING VAC TRUCK AND RESTORATION AS REQUIRED.
- CONTRACTOR SHALL PROVIDE THIRD-PARTY DIGITAL AS-BUILTS IN CAD. TO INCLUDE ALL NEW SITE SERVING INCLUDING TOPS AND INVERTS, AND FINISHED GRADES, INCLUDING PAVED AREAS, SWALES, CURBS, SIDEWALKS AND RETAINING WALLS, TO THE SATISFACTION OF THE ENGINEER.
- CONTRACTOR SHALL FLUSH AND VIDEO ALL EXISTING SEWERS PRIOR TO AND AFTER CONNECTION, AND NEW AND DISTURBED SEWERS UPON INSTALLATION AND LATER UPON COMPLETION OF TOP WORKS AND LANDSCAPING, PER OPSS 409. VIDEOS TO BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL.

### TREE PROTECTION NOTES

- TREE PROTECTION BARRIERS SHALL BE PLACED AS PER TOWN OF OAKVILLE STANDARD.
- ADDITIONAL TREE PROTECTION LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE TOWN OF OAKVILLE AND/OR THE ENGINEER.



### LEGEND

NO.	DATE	BY/DRAWN	REVISIONS
1	MAR 27, 2024	NAS/ZI	ISSUED FOR OPA/ZBA/DPS/SPA

ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928:78), AND ARE DERIVED FROM GNSS OBSERVATIONS AND NATURAL RESOURCES CANADA'S GEOD MODEL HT2.0

**LOCAL BENCHMARK No. 1**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED AT THE NORTHERN CORNER OF THE INTERSECTION OF CROSS AVENUE AND ARGUS ROAD, AS SHOWN ON THE FACE OF PLAN  
ELEVATION=101.39m

**LOCAL BENCHMARK No. 2**  
CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD., LAND INFORMATION SPECIALISTS

DESIGNED BY:

APPROVED BY: \_\_\_\_\_

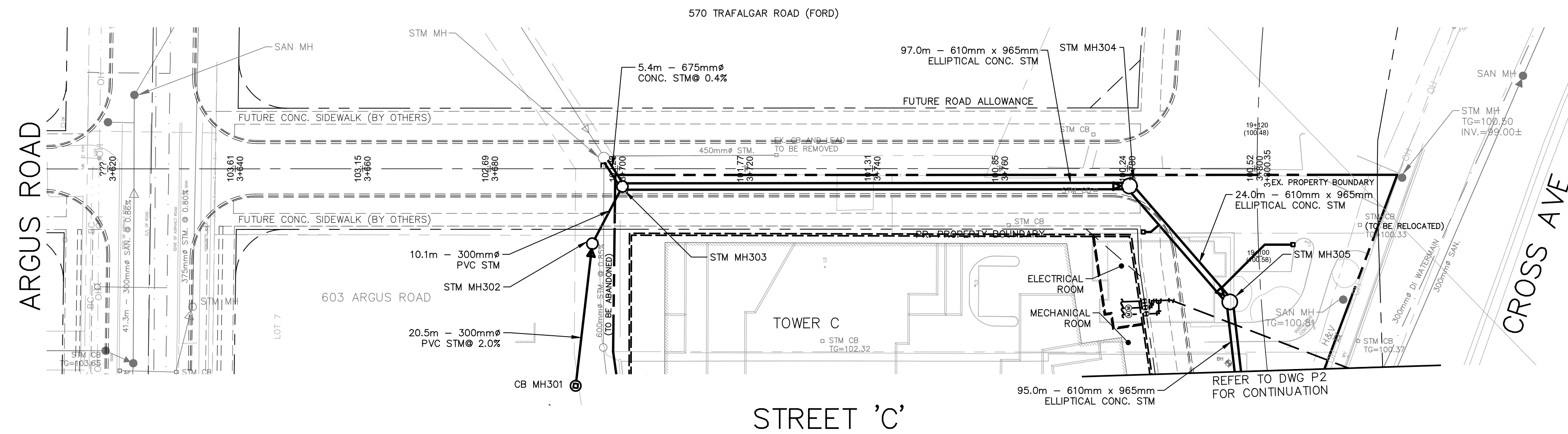
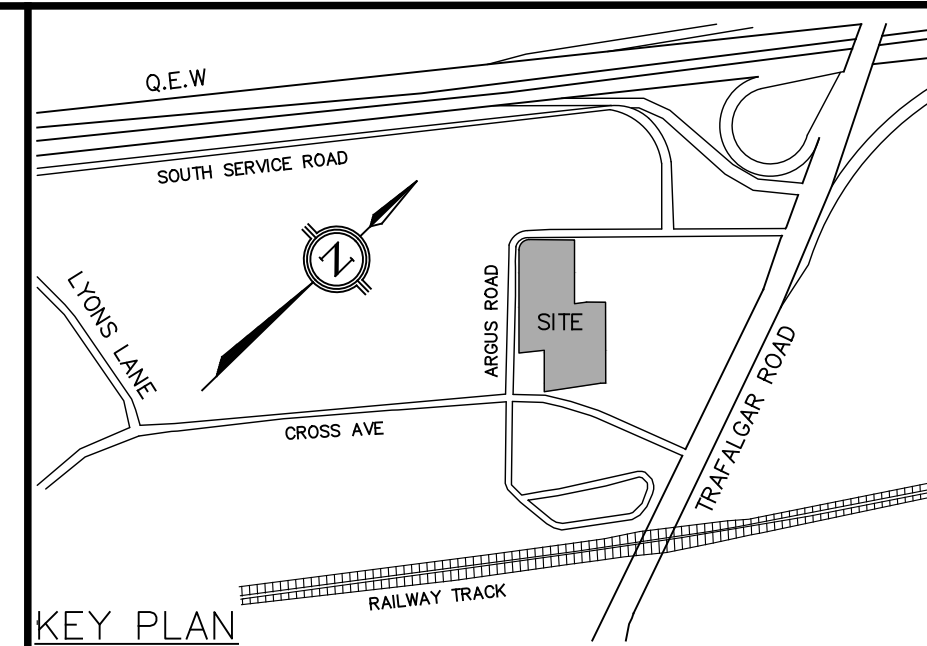
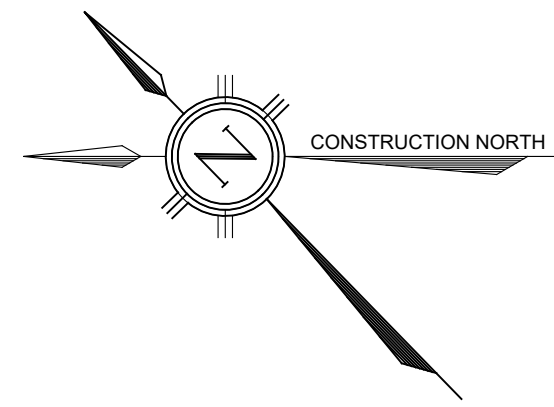
CONSULTANT:   
81-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
www.trafalgareng.com

PROJECT TITLE: ARGUS CROSS PROPOSED RESIDENTIAL CONDOMINIUM DEVELOPMENT DISTRIKT DEVELOPMENTS

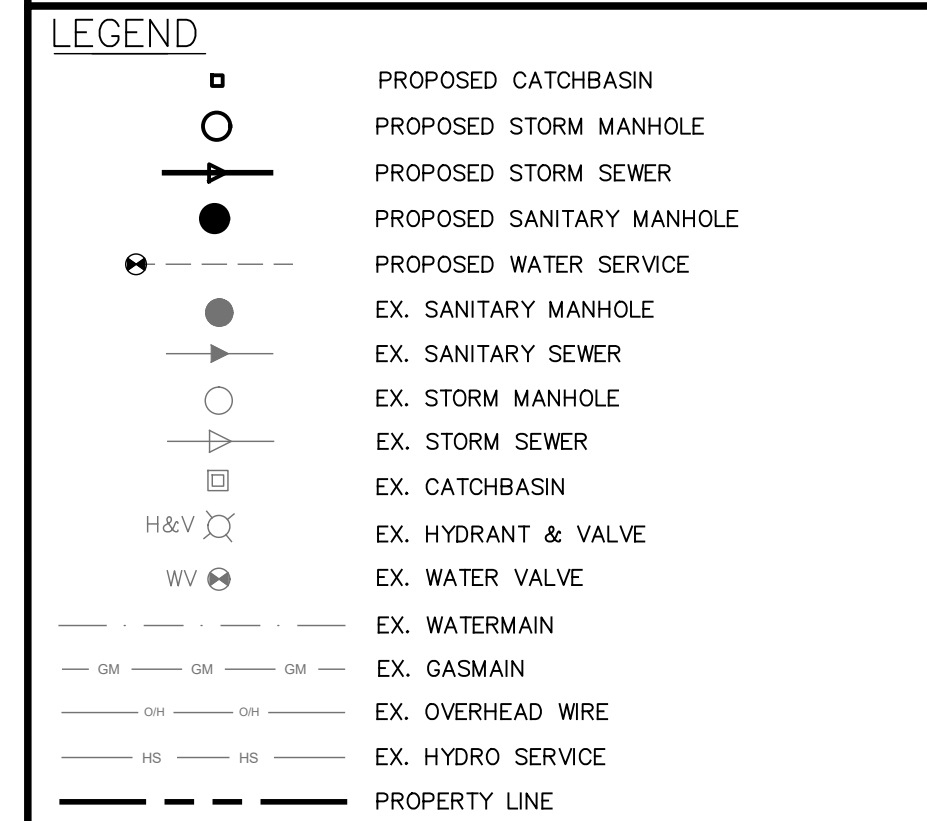
LOCATION: 217-227 CROSS AVE & 571-587 ARGUS RD. OAKVILLE, ONTARIO

DRAWING TITLE: GENERAL NOTES

SCALE	1:400	DESIGN BY	NAS	PROJECT No.	1729
DRAWN BY	ZI	CHECKED BY	JN	PLAN No.	N1
DATE	2022/01/21	SHEET	1 OF 1		



NO.	STATION	OPSD	COVER	TOP
STM MH302	3+696.03	701.010	401.010	104.30
STM MH303	3+700.79	701.012	401.010	102.23
STM MH304	3+780.31	701.013	401.010	100.90
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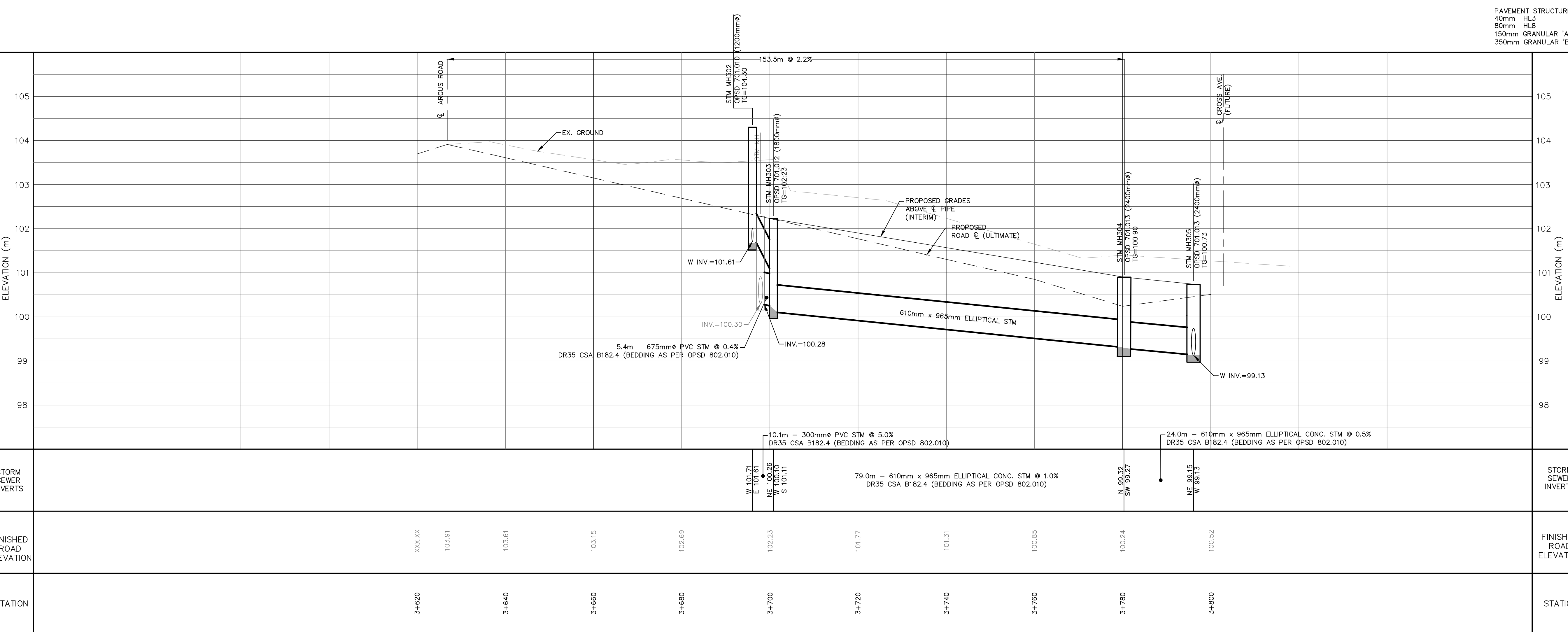


**ELEVATION NOTE**  
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**LOCAL BENCHMARK No. 1**  
 CUT CROSS IN CONCRETE SIDEWALK, LOCATED AT THE NORTHERN CORNER OF THE INTERSECTION OF CROSS AVENUE AND ARGUS ROAD, AS SHOWN ON THE FACE OF PLAN  
 ELEVATION=101.39m

**LOCAL BENCHMARK No. 2**  
 CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
 ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD, LAND INFORMATION SPECIALISTS



**PAVEMENT STRUCTURE:**  
 40mm HL3  
 80mm HL8  
 150mm GRANULAR 'A'  
 350mm GRANULAR 'B'

1 MAR 27, 2024 N.A.S./Z.I.		ISSUED FOR OPA/ZBA/DPS/SPA	
No	DD/MM/YY	By/DRN	REVISIONS
Design	NAS	Chkd	NAS
Drawn	Zi	Chkd	NAS
Scale		References	
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<b>APPROVALS</b>		Municipal APPROVED IN PRINCIPLE SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF OAKVILLE STANDARDS AND SPECIFICATIONS. Date: _____ Manager of Development Engineering	
Regional Approval		DESIGN OF WATER & WASTEWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.	
SIGNED: _____		DATE: _____	
LEGISLATIVE AND PLANNING SERVICES DEPT.			

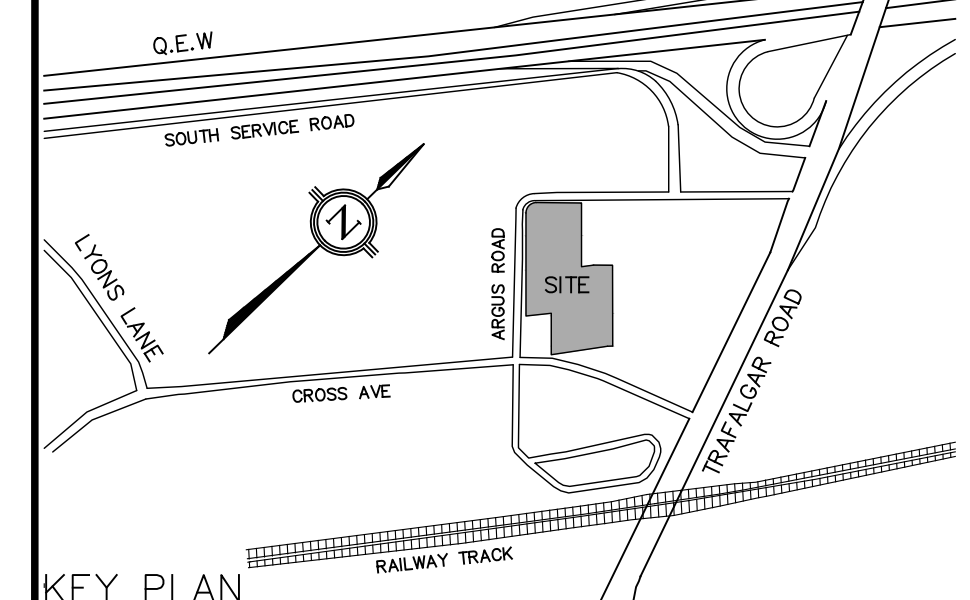
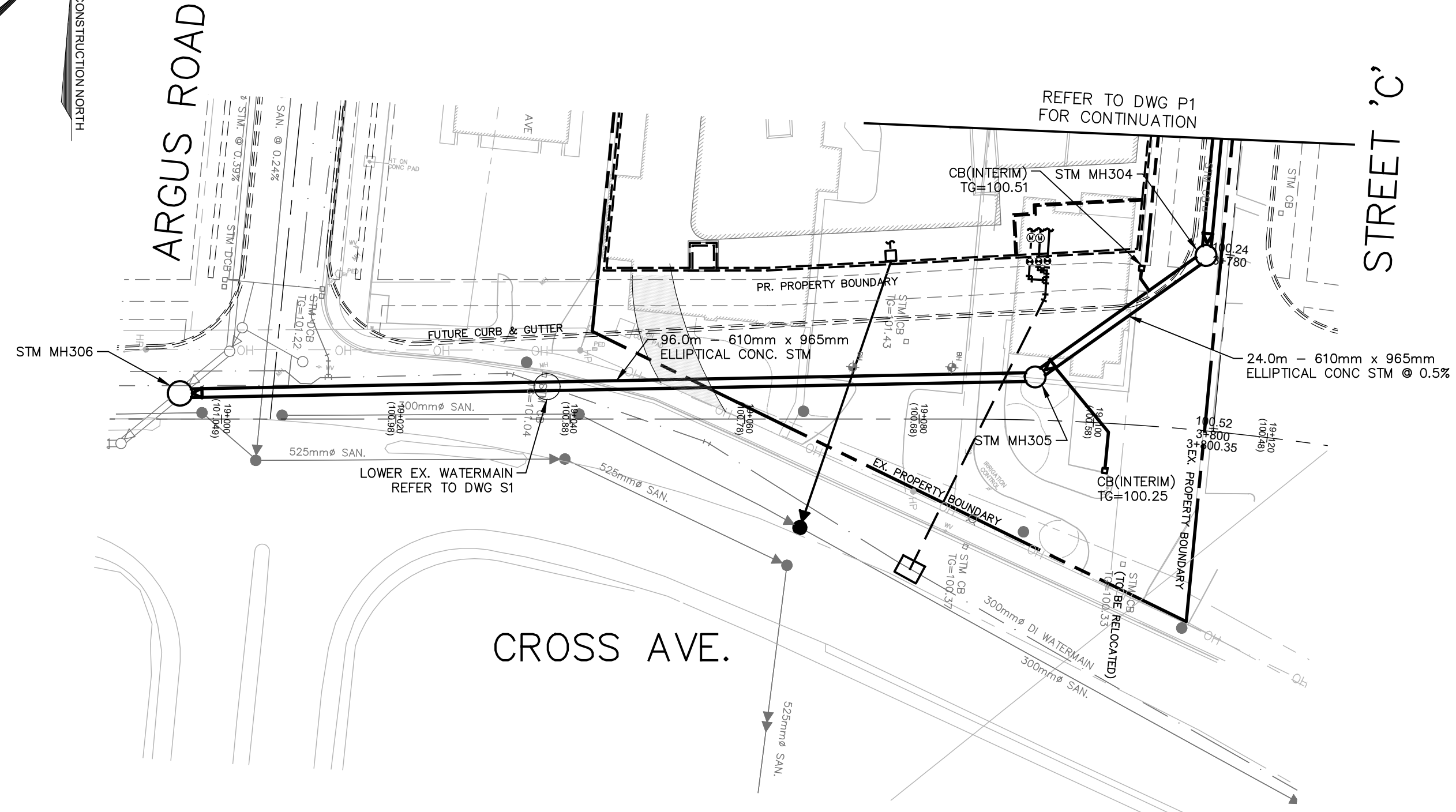
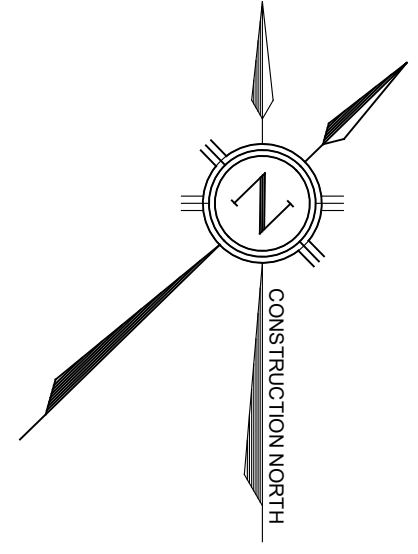
**TRAFALGAR ENGINEERING**  
 #1-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
 www.trafalgareng.com

Municipality: **OAKVILLE** and **Halton REGION**

Title: **ARGUS CROSS (DISTRITK DEVELOPMENTS) STREET 'C' CONCEPTUAL PLAN AND PROFILE STA 3+620 TO 3+800**

Municipal No.	-	Regional No.	-
Contact No.	-	Consultant No.	1729
Sheet	-		P1

FILENAME: P:\1729 Cross and Argus\04-CAD\04-Resizing\_OPA\1729GS.dwg  
 PLOT DATE: Mar 27, 2024 8:33am



**LEGEND**

	PROPOSED CATCHBASIN
	PROPOSED STORM MANHOLE
	PROPOSED STORM SEWER
	PROPOSED SANITARY MANHOLE
	PROPOSED WATER SERVICE
	EX. SANITARY MANHOLE
	EX. SANITARY SEWER
	EX. STORM MANHOLE
	EX. STORM SEWER
	EX. CATCHBASIN
	EX. HYDRANT & VALVE
	EX. WATER VALVE
	EX. WATERMAIN
	EX. GASMAIN
	EX. OVERHEAD WIRE
	EX. HYDRO SERVICE
	PROPERTY LINE

**ELEVATION NOTE**  
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**LOCAL BENCHMARK No. 2**  
 CUT CROSS IN CONCRETE SIDEWALK, LOCATED ON THE SOUTHEASTERN SIDE OF CROSS AVENUE ACROSS FROM NO. 217, AS SHOWN ON FACE OF PLAN  
 ELEVATION=100.98m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED ON JANUARY 18, 2022, BY J.D.BARNES LTD, LAND INFORMATION SPECIALISTS

NO.	STATION	OPSD	COVER	TOP
STM MH306	018+997.66	701.014	401.010	101.15

**PAVEMENT STRUCTURE:**  
 40mm HL3  
 80mm HL8  
 150mm GRANULAR 'A'  
 350mm GRANULAR 'B'

1 MAR 27, 2024 NAS/ZI ISSUED FOR OPA/ZBA/DPS/SPA

No	DD/MM/YY	By/DRN	REVISIONS
Design	NAS	Chkd NAS	File 1729GS.dwg
Drawn	ZI	Chkd NAS	Plot Date 03/27/24

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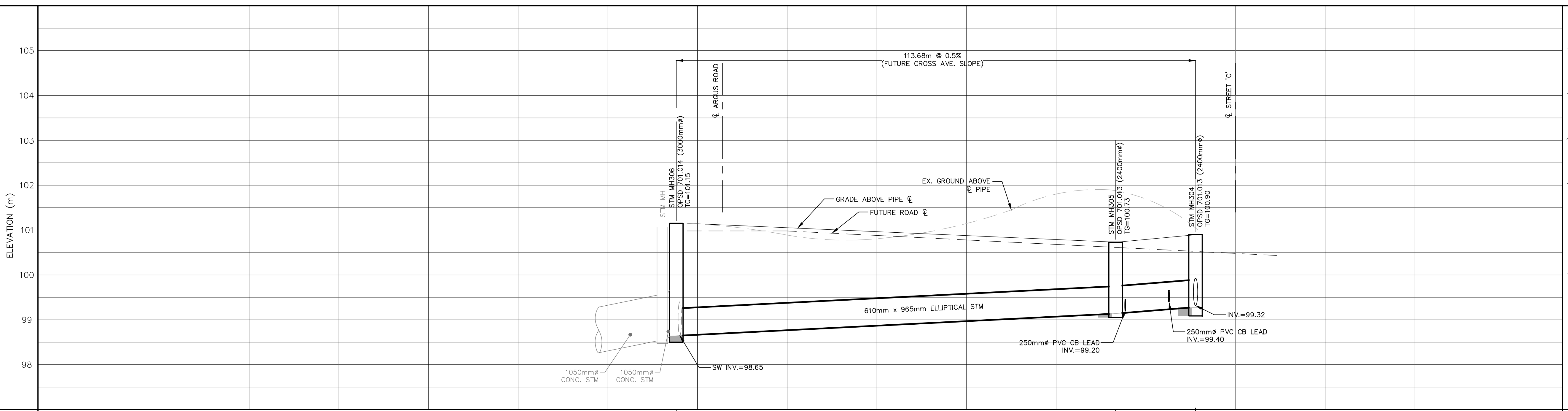
**APPROVALS**

Municipal APPROVED IN PRINCIPLE SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF OAKVILLE STANDARDS AND SPECIFICATIONS.

Regional Approval DESIGN OF WATER &/OR WASTEWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 LEGISLATIVE AND PLANNING SERVICES DEPT.

**TRAFALGAR ENGINEERING**  
 N. A. SYLVESTER  
 100199487  
 MPE/12.3  
 2024  
 PROVINCE OF ONTARIO



STATION	FINISHED ROAD ELEVATION	STORM SEWER INVERTS
19+000	101.00	NE 98.65 E 98.65 SW 98.65
19+020	100.98	
19+040	100.88	
19+060	100.78	
19+080	100.68	
19+100	100.58	NE 99.13 W 99.13
19+120	100.48	N 99.32 SW 99.27

96.0m - 610mm x 965mm ELLIPTICAL CONC. STM @ 0.5%  
 DR35 CSA B182.4 (BEDDING AS PER OPSD 802.010)

REFER TO DWG P1 FOR CONTINUATION

**TRAFALGAR ENGINEERING**  
 #1-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6  
 www.trafalgareng.com

Municipality: **OAKVILLE** **Halton REGION**

Title: **ARGUS CROSS (DISTRITK DEVELOPMENTS) CROSS AVE. CONCEPTUAL PLAN AND PROFILE STA 19+000 TO 19+120**

Municipal No.	Regional No.
Contact No.	Consultant No. 1729
	Sheet P2

FILENAME: P:\1729 Cross and Argus\04-CAD\04-Resizing\_OPA\1729GS.dwg  
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