

GENERAL NOTES

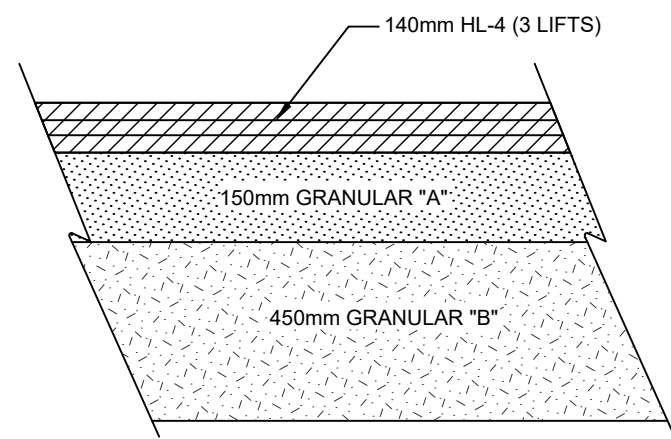
- THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ACCOMPANYING DETAILED SPECIFICATIONS CONTAINED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO CONSTRUCTING ANY WORKS IN ORDER TO COORDINATE INSPECTIONS.
- ONLY DRAWINGS STAMPED 'ISSUED FOR CONSTRUCTION' SHALL BE USED FOR CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST RELEVANT SECTIONS OF THE OPSS'S, OPSD'S, ONTARIO BUILDING CODE, AND THE REQUIREMENTS OF THE LOCAL MUNICIPALITY.
- THE LOCATION AND EXTENT OF UTILITIES ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE LOCATION OF ALL EXISTING SERVICES PRIOR TO CONSTRUCTION AND SHALL ASSUME LIABILITY FOR DAMAGE OR DELAYS RESULTING FROM LOCATIONS ON THESE PLANS AND LOCATES PROVIDED.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR THE TOWN AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ONTARIO.
- THE CONTRACTOR SHALL ENDEAVOUR TO PREVENT MUD TRACKING ONTO EXISTING ADJACENT RIGHTS-OF-WAY AND SHALL PROVIDE FOR CLEANUP AT THEIR OWN EXPENSE AS DIRECTED BY THE TOWN. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTROL DUST ON THE PROJECT AND HE SHALL PROVIDE CONTROLLING MEASURES AS DIRECTED BY THE TOWN.
- ALL UTILITIES SHALL BE LOCATED, SUPPORTED AND PROTECTED TO THE SATISFACTION OF THE UTILITY COMPANY DURING THE CONSTRUCTION PERIOD.
- EXISTING SEWER AND WATERMAIN INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

EXCAVATION, BACKFILLING, GRADING AND COMPACTION

- WORK SHALL BE COMPLETED IN ACCORDANCE WITH OPSS MUNI 206, 501 (METHOD A) AND 514; STANDARD PROCTOR MAXIMUM DRY DENSITY SHALL APPLY.
- EARTH FILL PLACED AS 'STRUCTURAL FILL' SHALL BE COMPACTED TO 98%. EACH LIFT SHALL BE INSPECTED AND APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
- UNDERGROUND SERVICES SHALL HAVE GRANULAR 'A' (CLASS 'B') EMBEDMENT TO BE UNIFORM, AND GRANULAR 'A' PER OPSD 802.010, SPMD (MIN). MATERIAL AND SUITABLE NATIVE BACKFILL COMPACTED TO 95% PER OPSD 802.01.
- ROAD SUBGRADE SHALL BE COMPACTED TO 95%; ROAD SUBBASE SHALL COMPRISE GRANULAR MATERIAL COMPACTED TO 100%.
- ALL FINISHED PRIVATE YARDS AND MUNICIPAL BOULEVARDS SHALL BE RESTORED WITH 75mm (MIN) TOPSOIL AND SEED.
- ALL EXCESS SOILS MUST BE MANAGED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND O/REG 406/19.

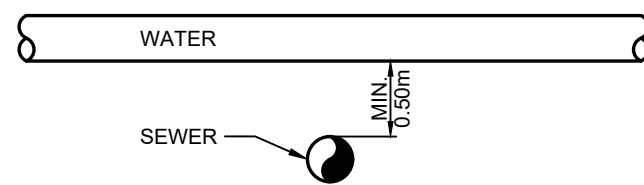
STORM SEWERS

- ALL CATCH BASIN LEADS TO BE 250mm Ø HDPE PER CSA B182.6 OR PVC SDR 35 PER CSA B182.2, UNLESS OTHERWISE NOTED.
- MAINTENANCE HOLES TO BE PRECAST CONCRETE PER OPSD 701.010 (MAINTENANCE HOLE SIZES DENOTED INDIVIDUALLY IN PROFILE VIEW), AND CATCH BASINS TO BE PRECAST CONCRETE PER OPSD 705.010, UNLESS OTHERWISE NOTED.
- FRAMES/GRATES - OPSD 400.110 FOR CATCH BASINS AND 401.010 (TYPE 'A') FOR MAINTENANCE HOLES.
- MAINTENANCE HOLES TO BE BENCHED.
- CATCH BASINS AND CATCH BASIN MAINTENANCE HOLES TO BE PROVIDED WITH A 0.6m DEEP SUMP
- STORM SEWERS LESS THAN 450mm Ø SHALL BE PVC OR HDPE, GREATER THAN 450mm DIA SHALL BE HDPE OR CONCRETE.



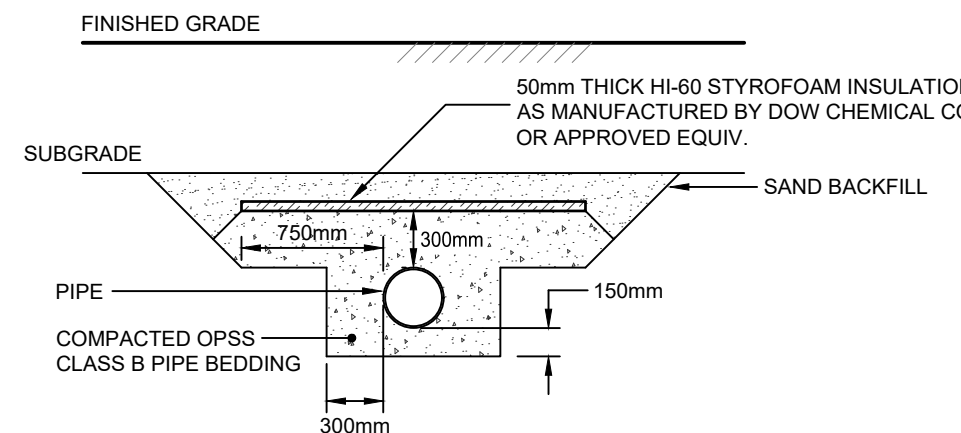
ASPHALT PAVEMENT

N.T.S.



TYP. PIPE CROSSING DETAIL

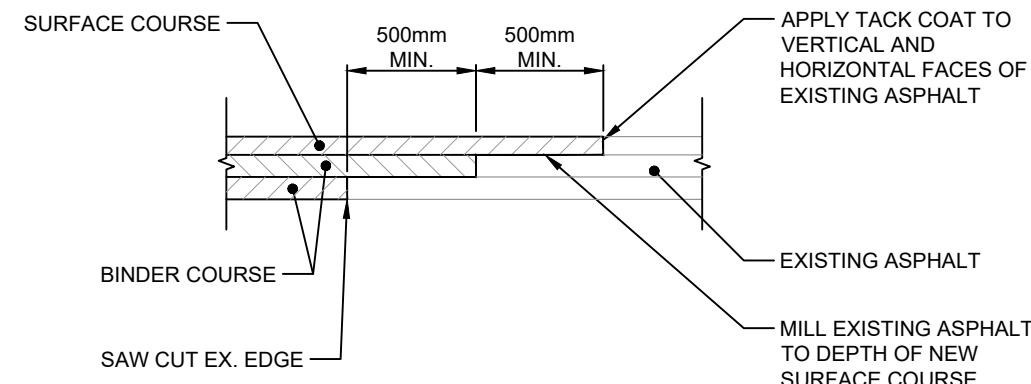
N.T.S.



- INSULATION TO BE PLACED UNTIL COVER EXCEEDS 1.5m.
- MINIMUM BURY DEPTHS ARE GENERAL. DEEPER MAY BE REQUIRED DEPENDING ON BUILDING FOUNDATION DESIGN OR OTHER SITE CONSTRAINTS.

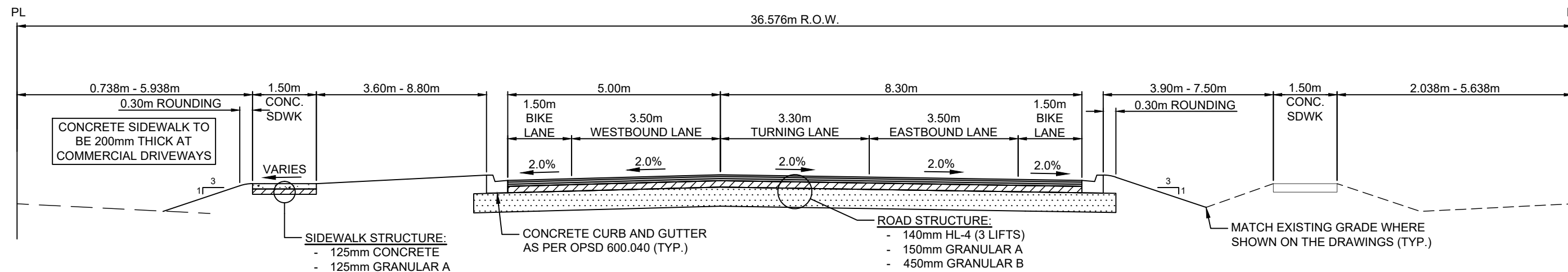
TYPICAL PIPE INSULATION DETAIL

N.T.S.



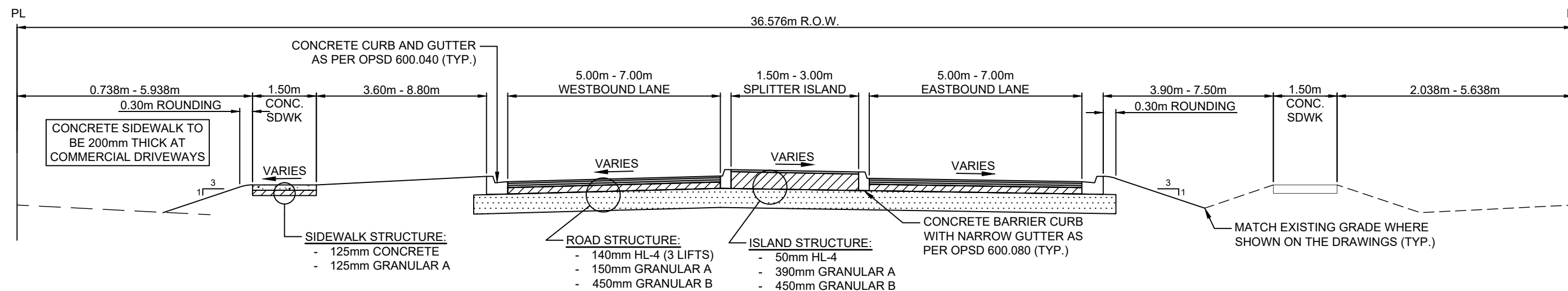
ASPHALT STEP JOINT DETAIL

N.T.S.



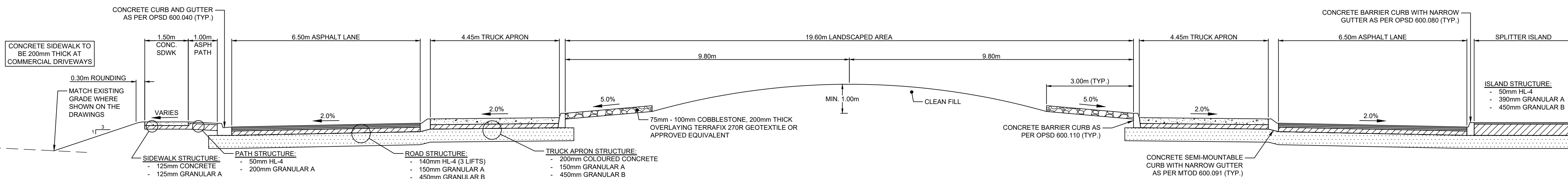
TYPICAL ROAD CROSS SECTION - HIGHWAY 21 - 36.576m R.O.W.

N.T.S.



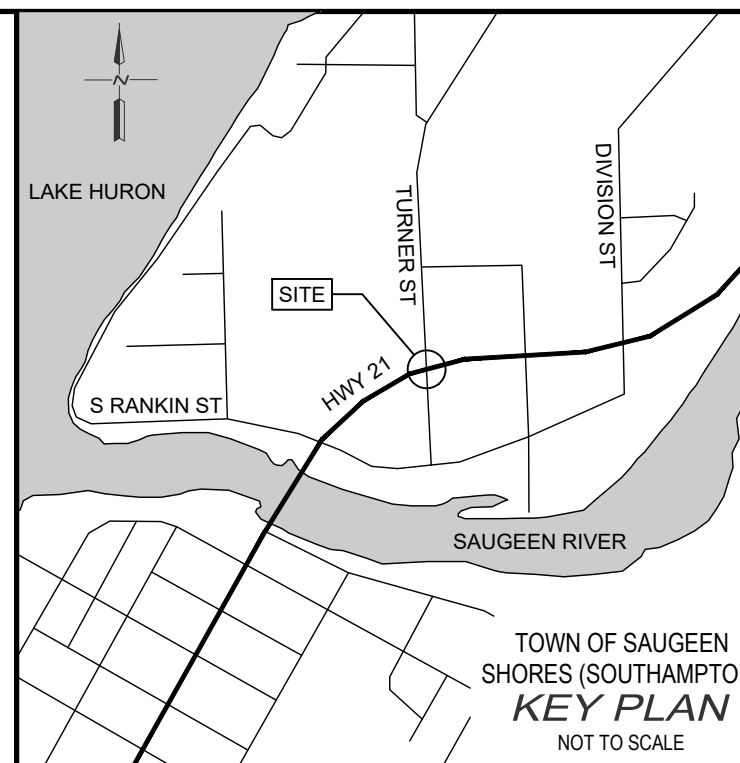
TYPICAL ROAD CROSS SECTION - HIGHWAY 21 w/ SPLITTER ISLAND - 36.576m R.O.W.

N.T.S.



TYPICAL ROUNDABOUT SECTION

N.T.S.



NOTES:

- TOPOGRAPHIC SURVEY COMPLETED BY GEI CONSULTANTS CANADA LTD. DATED JULY 16, 2025.
- THIS IS NOT A LEGAL PLAN. LEGAL BOUNDARY INFORMATION PROVIDED BY GREG RODGER (QLS) DATED AUGUST 21, 2025.
- EXACT LOCATIONS OF PROPOSED AND EXISTING SERVICES TO BE VERIFIED IN FIELD.

BENCH MARKS :

- B.M. 2503507-1, E.L.V. = 189.442m
TOP NUT OF FIRE HYDRANT LOCATED ON THE NORTH EAST SIDE OF HIGHWAY 21 APPROXIMATELY 15m SOUTH WEST OF THE TURNER STREET AND NORTH RANKIN STREET INTERSECTION
- B.M. 2503507-2, E.L.V. = 189.790m
TOP NUT OF FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF HIGHWAY 21 APPROXIMATELY 7.7m EAST OF THE TURNER STREET AND NORTH RANKIN STREET INTERSECTION

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2	11/10/2025	75% DESIGN	BJF
1	10/24/2025	ISSUED FOR 60% REVIEW	BJF
0	07/22/2025	PRELIMINARY	BJF

NO.	MM/DD/YY	REVISION DESCRIPTION	CHKD
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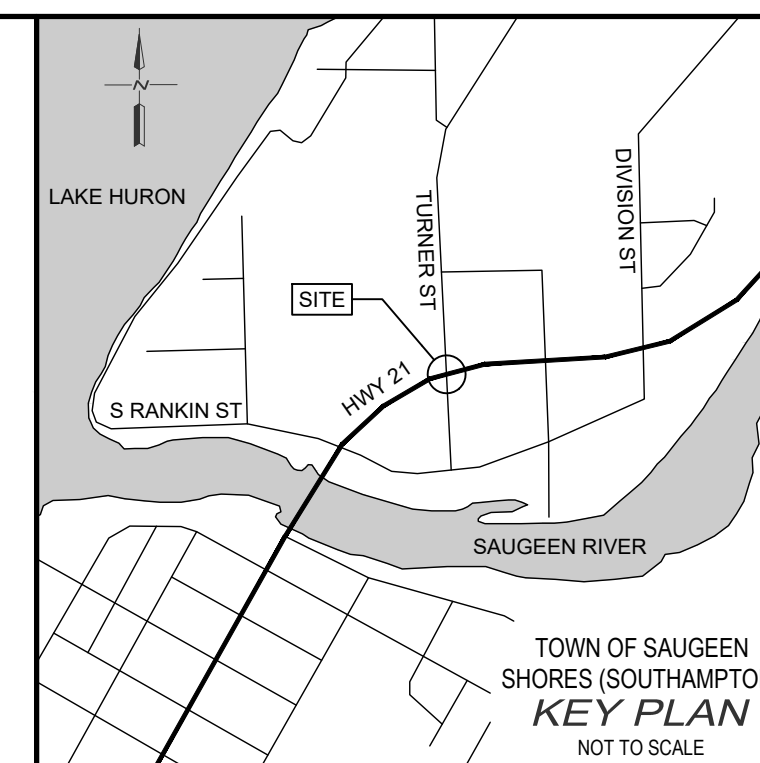
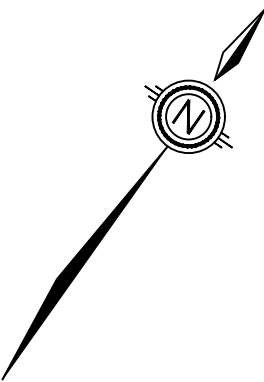


HWY 21 AND TURNER INTERSECTION

TOWN OF SAUGEEN SHORES

TOWN OF SAUGEEN SHORES (SOUTHAMPTON)

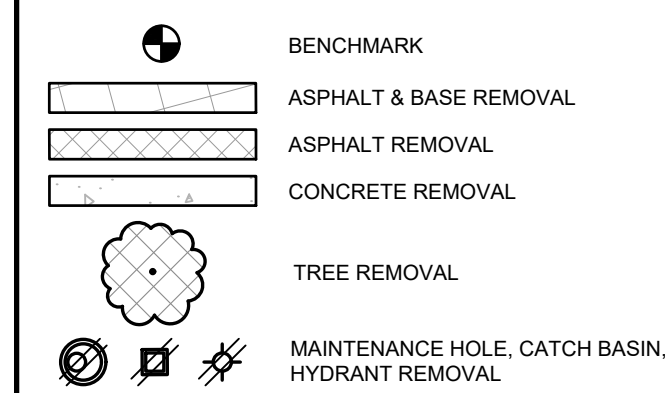
NOTES & DETAILS			
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DESIGNED BY : CP	DATE : JULY 2025	SCALE : NTS	



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LEGEND:



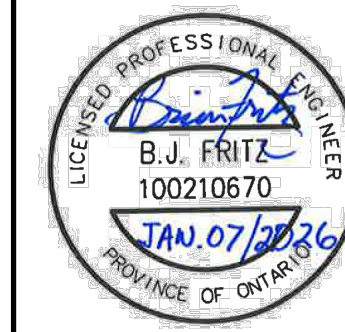
BENCH MARKS :

B.M. 2503507-1, ELV. = 189.442m
TOP NUT OF FIRE HYDRANT LOCATED ON THE NORTH EAST SIDE
OF HIGHWAY 21 APPROXIMATELY 150m SOUTH WEST OF THE
TURNER STREET AND NORTH RANKIN STREET INTERSECTION

B.M. 2503507-2, ELV. = 189.790m
TOP NUT OF FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF
HIGHWAY 21 APPROXIMATELY 73m EAST OF THE TURNER STREET
AND NORTH RANKIN STREET INTERSECTION

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0	07/22/2025	PRELIMINARY	-
NO.	MM/DD/YY	REVISION DESCRIPTION	CHK



HWY 21 AND TURNER INTERSECTION

TOWN OF SAUGEEN SHORES

TOWN OF SAUGEEN SHORES
(SOUTHAMPTON)

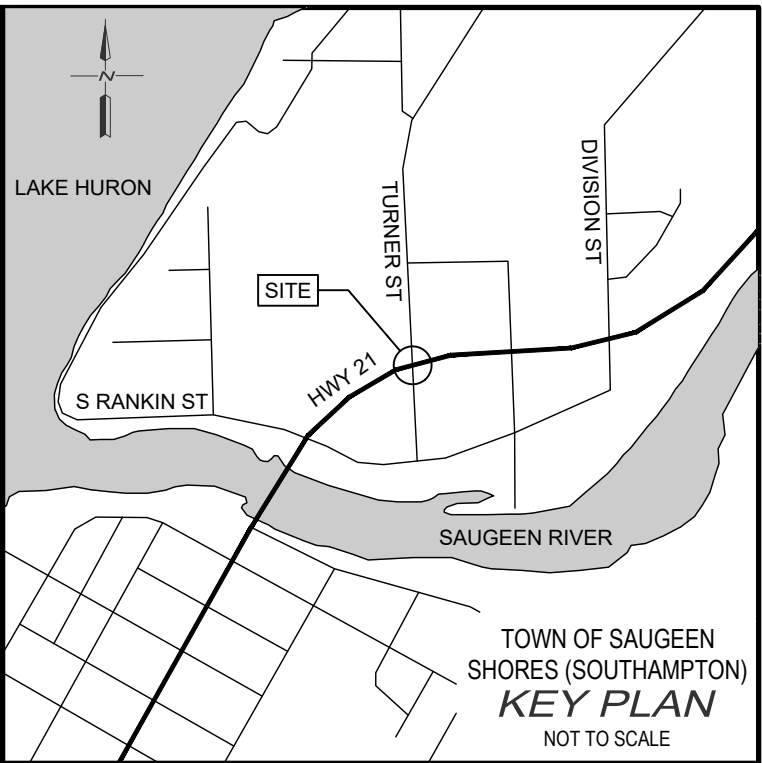
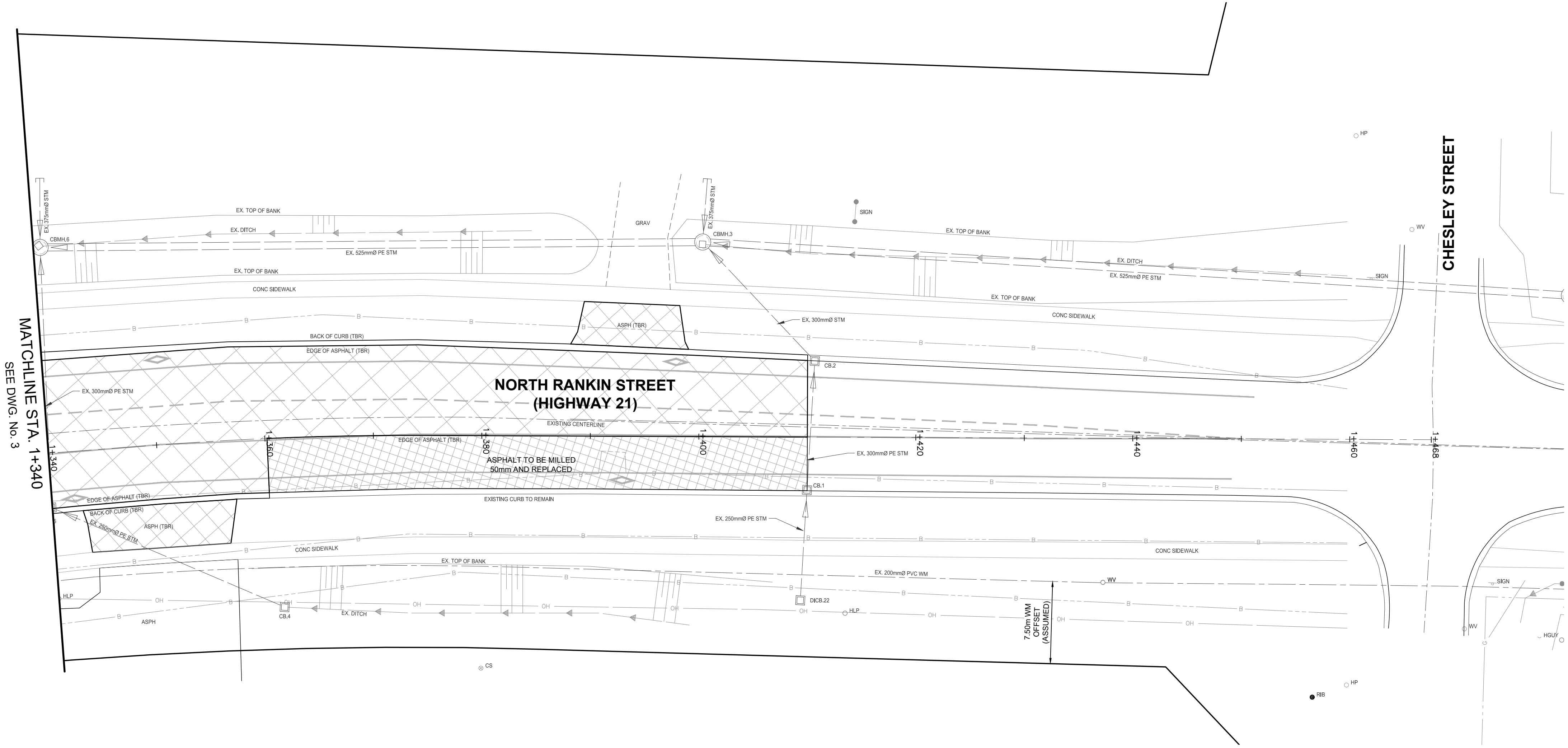
EXISTING CONDITIONS & REMOVALS
PLAN 1

DRAWN BY : CP	APPROVED BY : BF	PROJECT NO. : 2503507	DRAWING NO. 2
DESIGNED BY : CP	DATE : JULY 2025	SCALE : 1:250	

2

FILE:\gcoconsultants.com\data Storage\Working\SALGHEEN SHORES ON, TOWN OF\203507 Highway 21 at Turner Street (Bruce County Road 13) Intersection Improvements\Work In Progress\Drifing\203507 -Existing Conditions And Removals 1.0wg LAYOUT 2 EXISTING CONDITIONS & REMOVALS PLAN 1
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LEGEND:

- BENCHMARK
- ASPHALT & BASE REMOVAL
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- TREE REMOVAL
- MAINTENANCE HOLE, CATCH BASIN, VALVE, HYDRANT REMOVAL

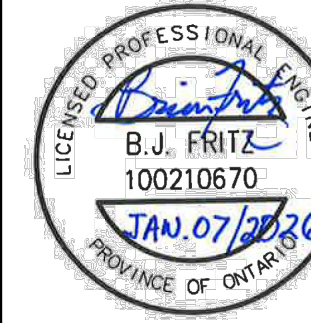
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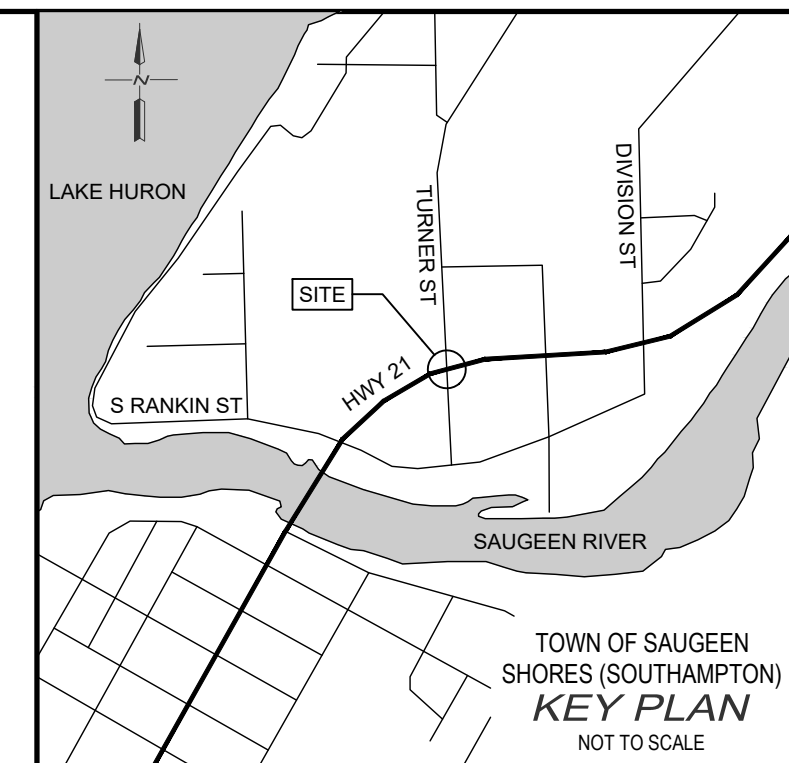
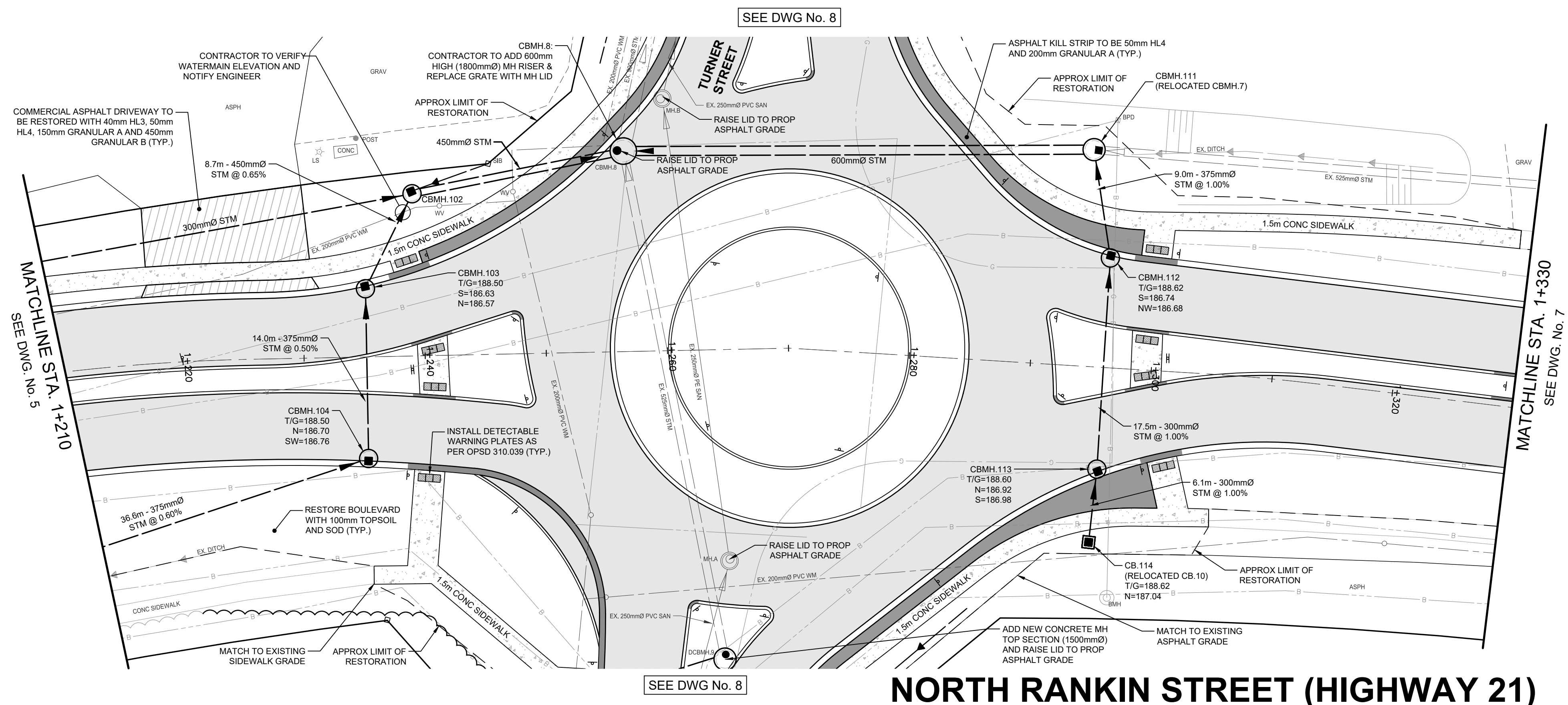
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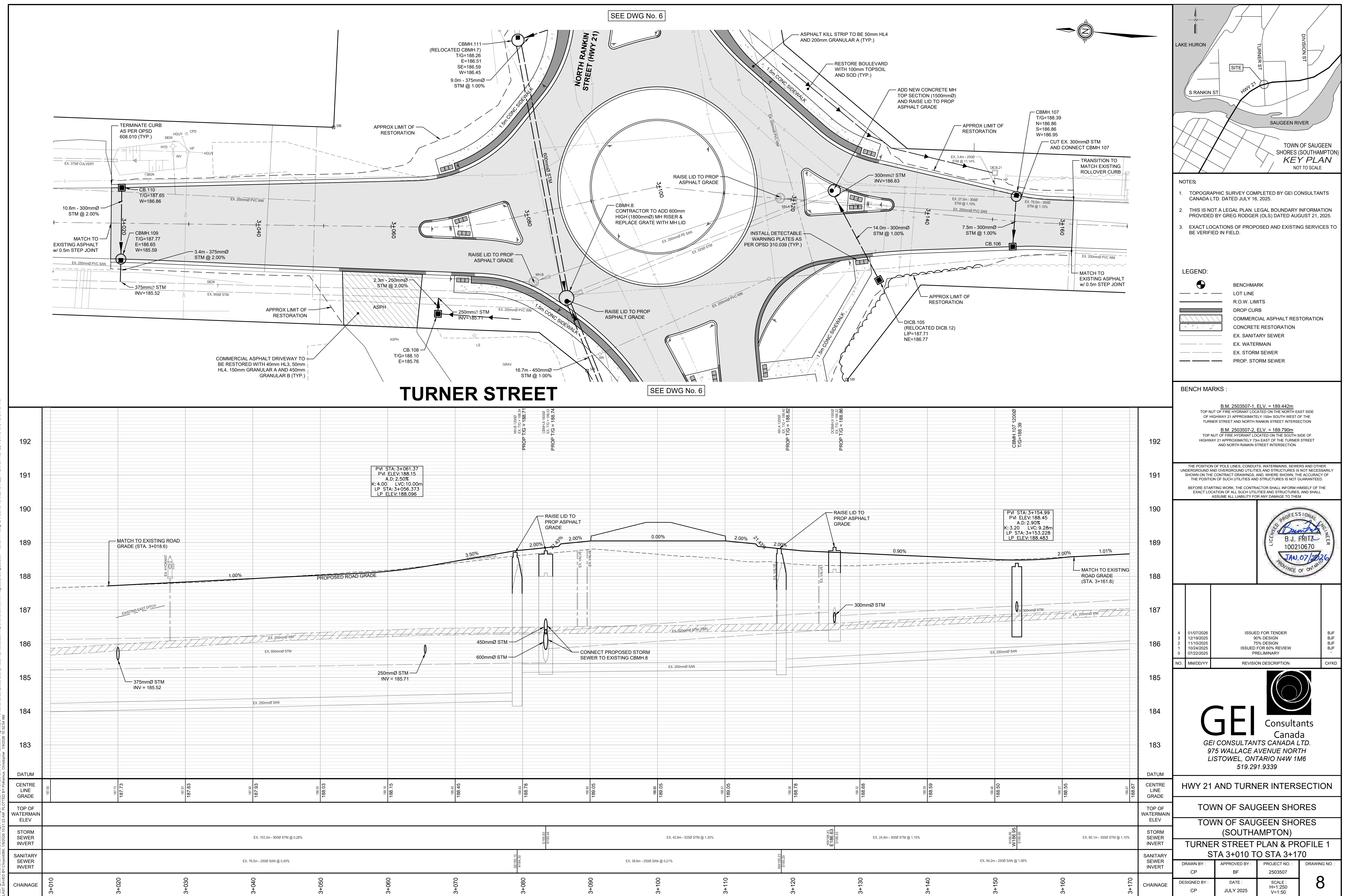


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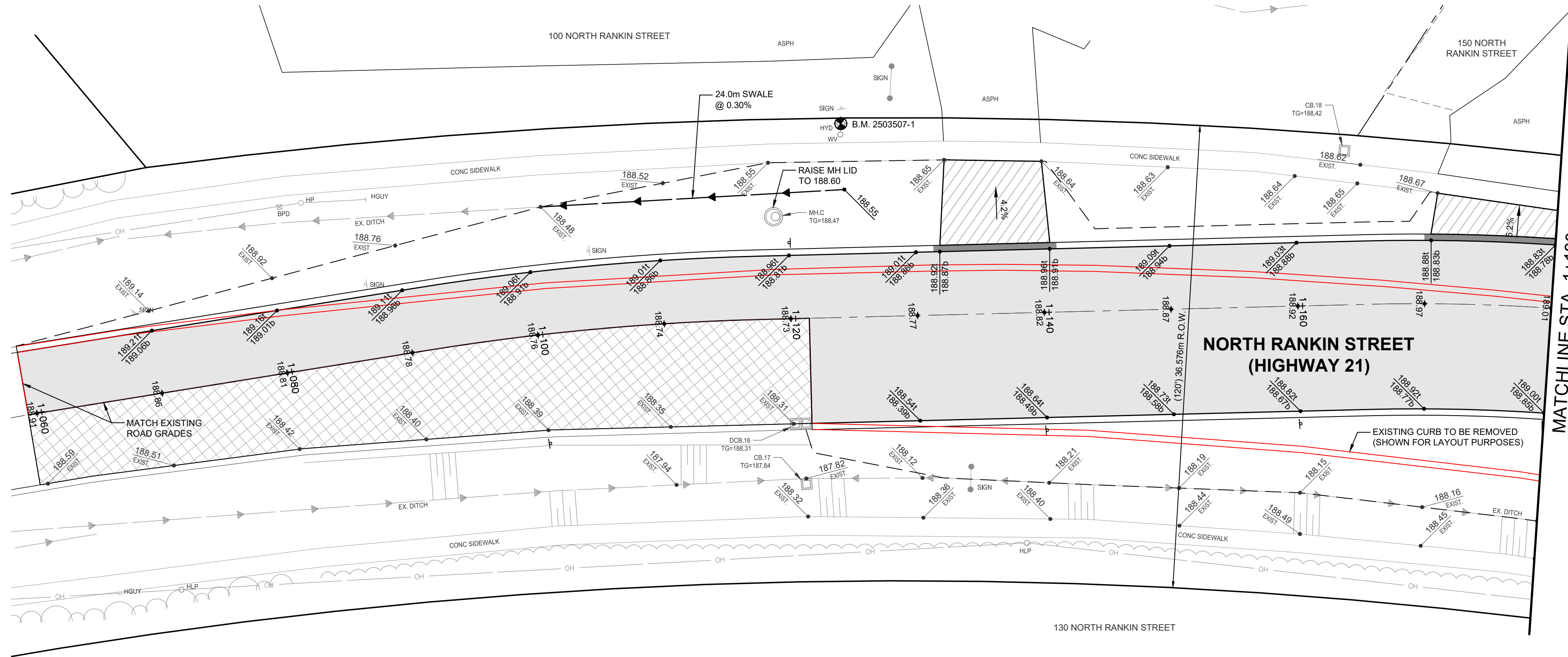
GEI Consultants Canada
GEI CONSULTANTS CANADA LTD.
975 WALLACE AVENUE NORTH
LISTOWEL, ONTARIO N4W 1M6
519.291.9339

HWY 21 AND TURNER INTERSECTION			
TOWN OF SAUGEEN SHORES (SOUTHAMPTON)			
EXISTING CONDITIONS & REMOVALS PLAN 3			
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DESIGNED BY : CP	DATE : JULY 2025	SCALE : 1:250	

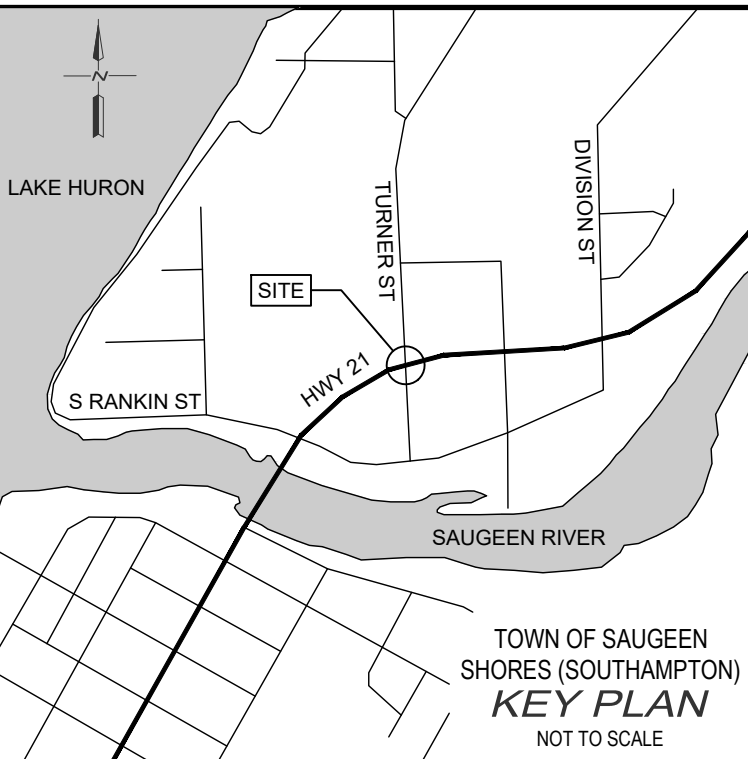




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LAST SAVED BY: jfrantz
LAST SAVED DATE: 2025-07-07 10:07:00 AM



MATCHLINE STA. 1+180
SEE DWG. No. 10



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- LEGEND:
- BENCHMARK
 - LOT LINE
 - R.O.W. LIMITS
 - DROP CURB
 - COMMERCIAL ASPHALT RESTORATION
 - CONCRETE RESTORATION

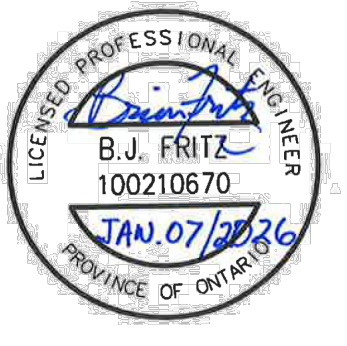
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GEI Consultants
Canada
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975 WALLACE AVENUE NORTH
LISTOWEL, ONTARIO N4W 1M6
519.291.9339

HWY 21 AND TURNER INTERSECTION

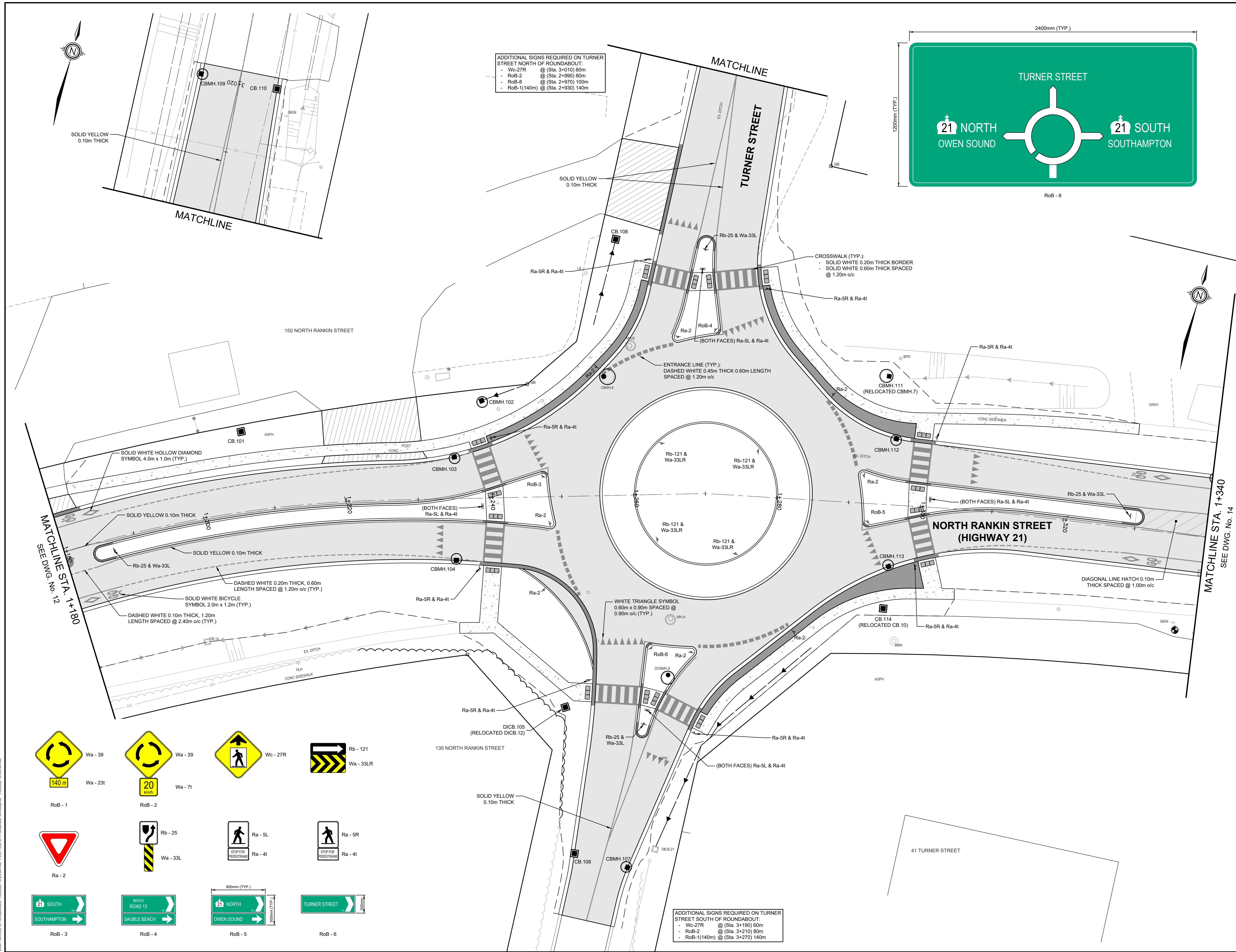
TOWN OF SAUGEEN SHORES

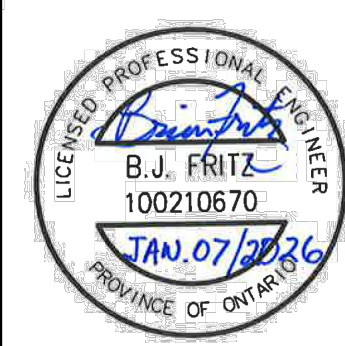
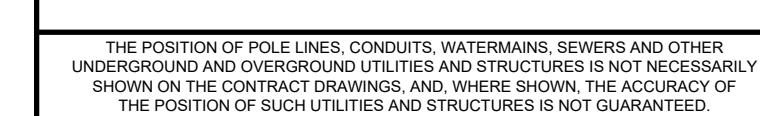
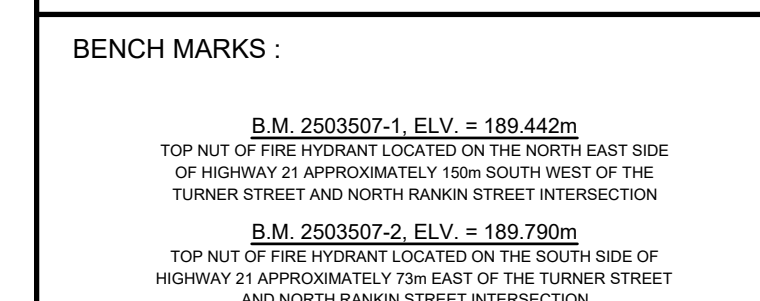
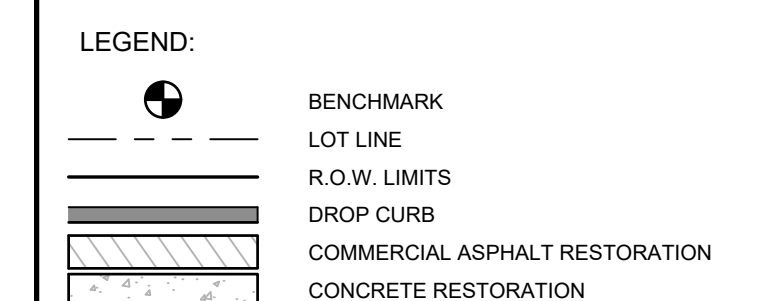
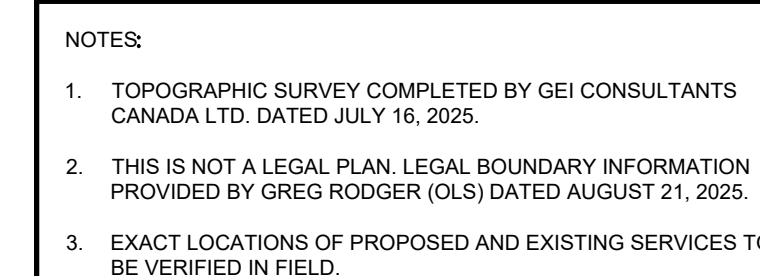
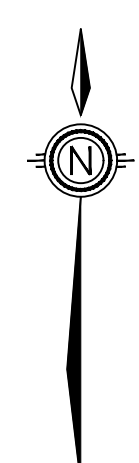
TOWN OF SAUGEEN SHORES
(SOUTHAMPTON)

GRADING PLAN 1

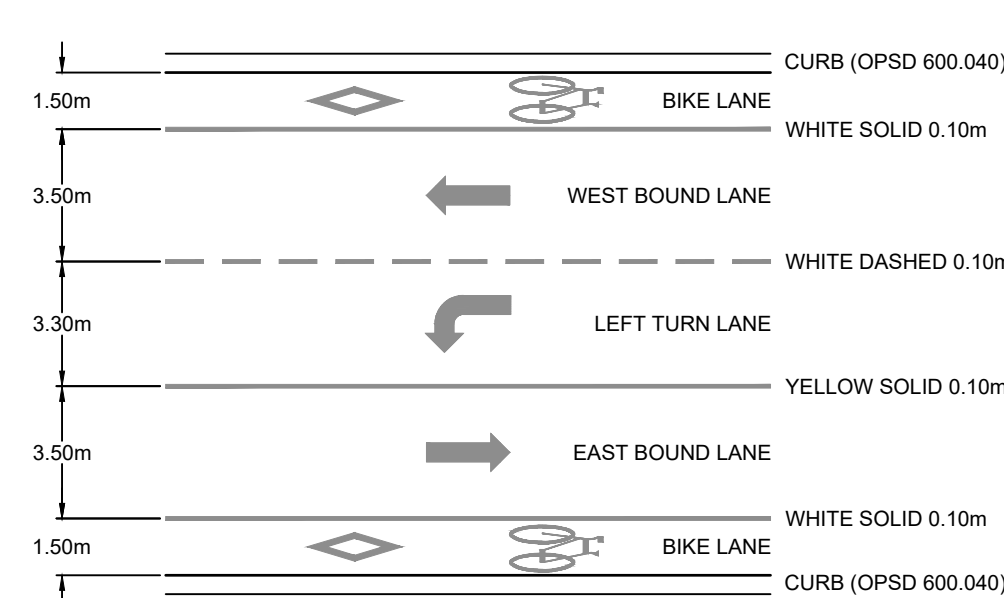
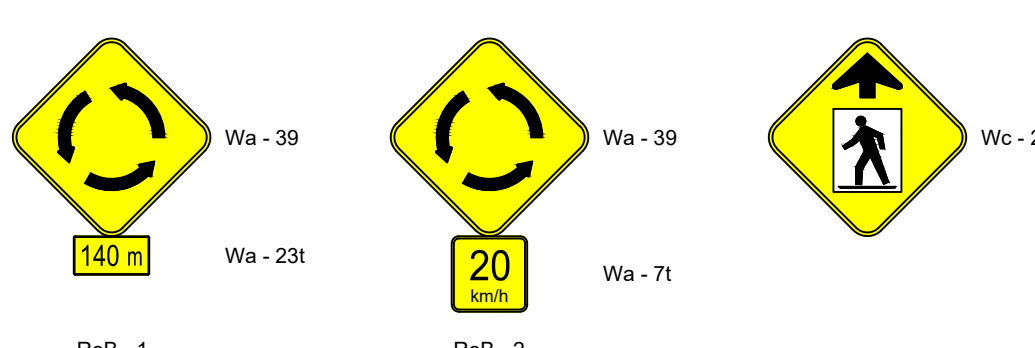
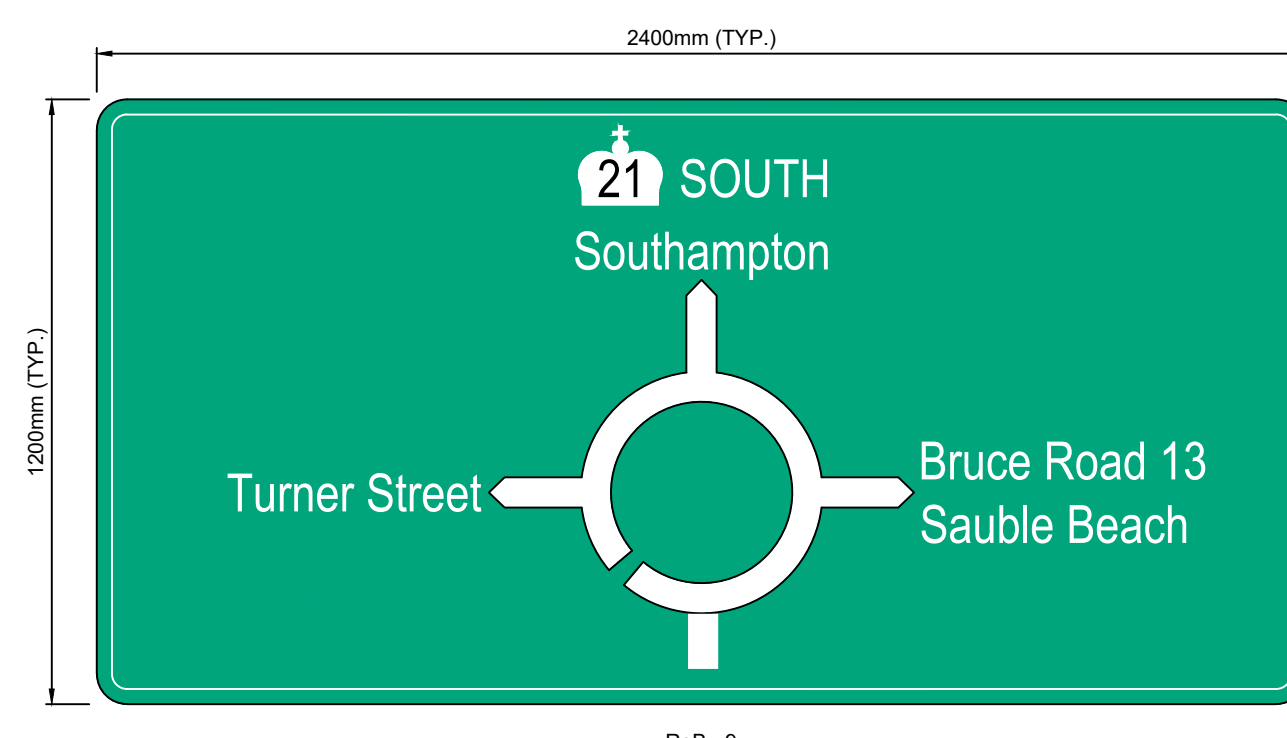
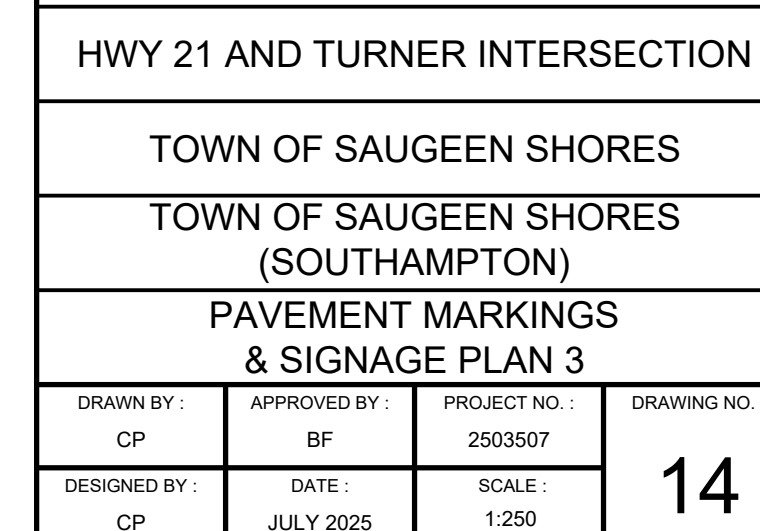
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DESIGNED BY : CP	DATE : JULY 2025	SCALE : 1:250	

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LAST SAVED BY: jfranz, 18/02/2025 10:23:34 AM, PLOTTED BY: jfranz, 18/02/2025 10:23:34 AM





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TYPICAL LANE CONFIGURATION
N.T.S.

FILE: C:\Users\jfrantz\OneDrive\Documents\Projects\2503507 HWY 21 & TURNER ST INTERSECTION IMPROVEMENTS\2503507 - Stage 2 Plan.dwg, LAYOUT: 16 DETOUR STAGE 2 PLAN
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