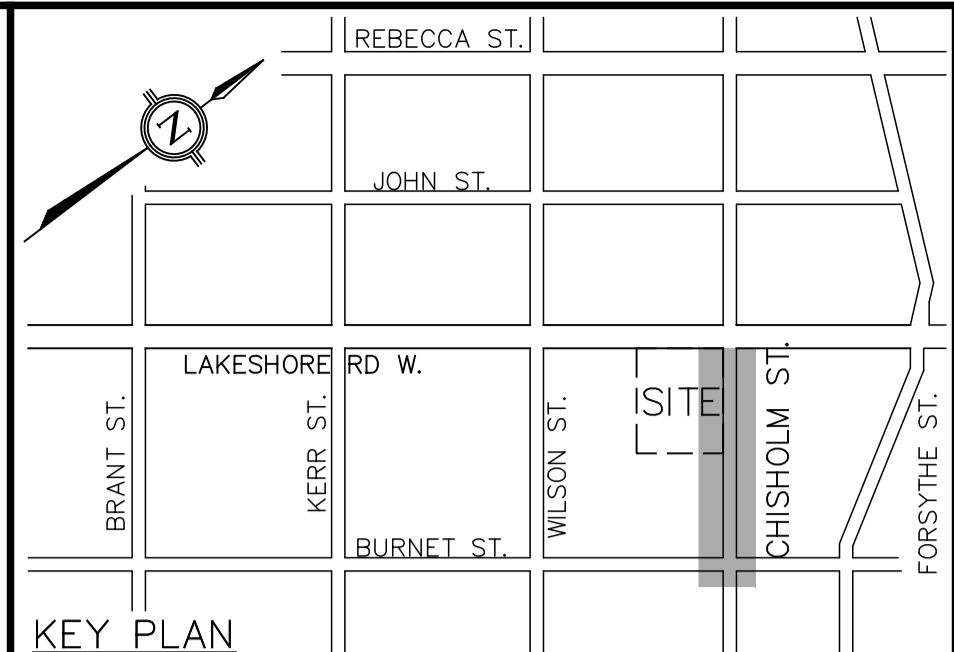
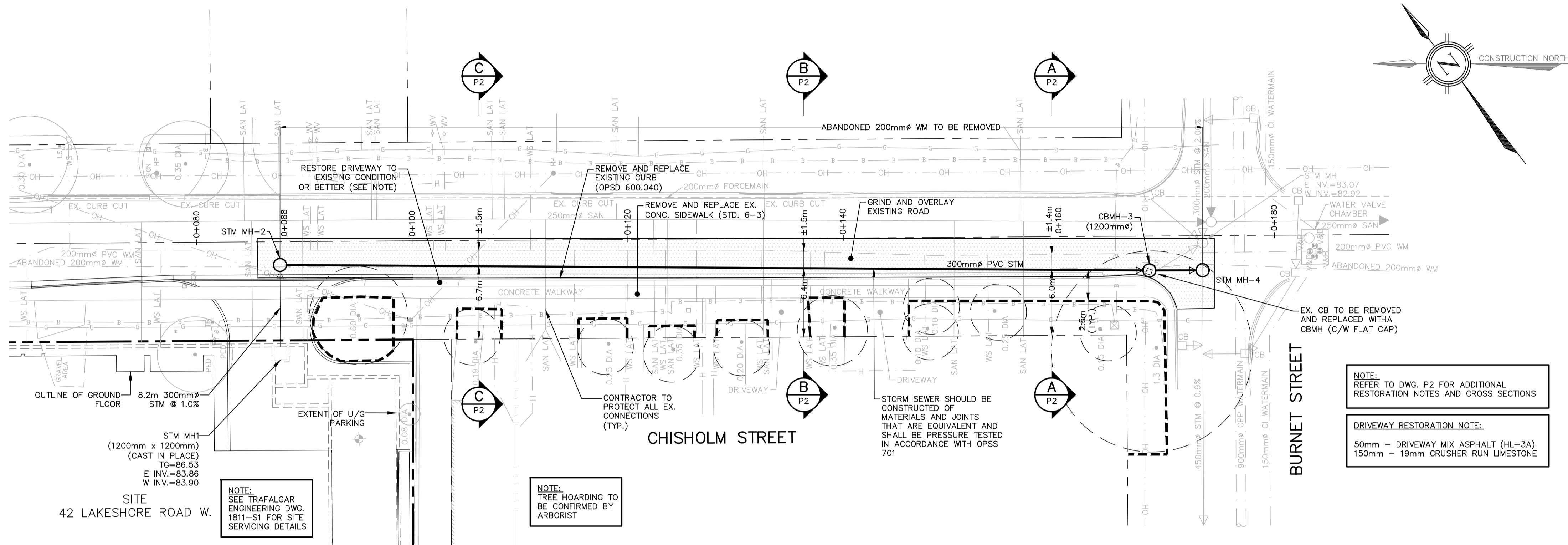


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- LEGEND**
- PROPOSED STORM MANHOLE
 - ⊕ PROPOSED CATCH BASIN MANHOLE
 - PROPOSED STORM SEWER
 - - - PROPERTY LINE
 - - - LIGHT DUTY TREE HOARDING
 - MINIMUM TREE PROTECTION ZONE

- TOPO LEGEND**
- CB DENOTES CATCHBASIN
 - + GM DENOTES GAS MARKER
 - + METER DENOTES GAS METER
 - + GV DENOTES GAS VALVE
 - HM DENOTES HYDRO MANHOLE
 - MH DENOTES UNKNOWN MANHOLE
 - WM DENOTES WATER MANHOLE
 - HP DENOTES LIGHT POLE
 - LS DENOTES LIGHT STANDARD
 - M DENOTES PARKING METER
 - TP DENOTES TELEPHONE POLE
 - PED DENOTES TELEPHONE PEDESTAL
 - WVS DENOTES WATER SERVICE CURB STOP
 - OH DENOTES OVERHEAD HYDRO/TELEPHONE/CABLE
 - G DENOTES GAS MAIN
 - B DENOTES TELEPHONE CABLE
 - VB DENOTES EXISTING VALVE & BOX

ELEVATION NOTE
 ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928:78) AND DERIVED FROM THE TOWN OF OAKVILLE BENCHMARK NO. 21.

LOCAL BENCHMARK NO.1
 CUT CROSS IN SIDEWALK LOCATED ON THE SOUTHWEST CORNER OF LAKESHORE ROAD WEST AND CHISHOLM STREET.
 ELEVATION=86.39m

LOCAL BENCHMARK NO.2
 CUT CROSS IN SIDEWALK LOCATED APPROXIMATELY 83.5m WEST OF THE CENTRELINE OF CHISHOLM STREET ON THE SOUTH SIDE OF LAKESHORE ROAD WEST.
 ELEVATION=86.63m

TOPOGRAPHIC SURVEY INFORMATION IN THIS DRAWING IS FROM PLAN 22-30-877-00-A BY J.D. BARNES LTD, MAY 19, 2023.
 SUBSURFACE UTILITY FIELDWORK IN THIS DRAWING IS FROM PLAN 23-46-34132 BY ONSITE LOCATES INC. MAY 16, 2023.

ISSUED FOR ZBA/OPA

No	DD/MM/YY	By/DRN	REVISIONS
1	23/07/27	AJP/ZI	ISSUED FOR ZBA/OPA

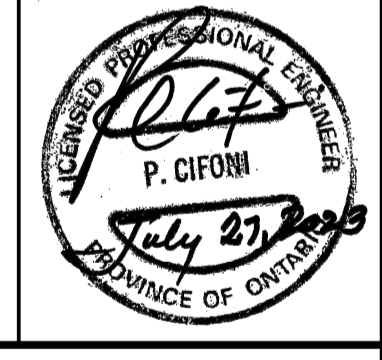
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Drawn	ZI	Chk'd	PC	Plot Date	08/10/23

Scale	References
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APPROVALS

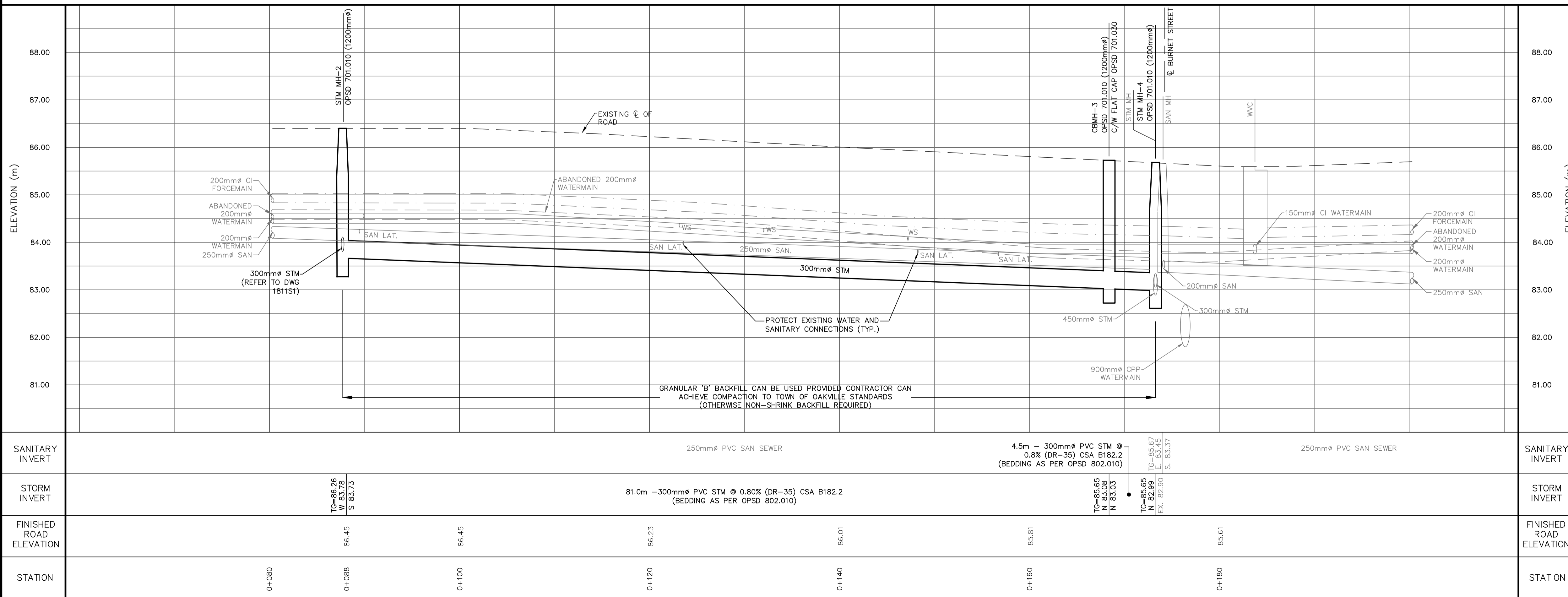
Municipal
 APPROVED IN PRINCIPLE SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF OAKVILLE STANDARDS AND SPECIFICATIONS.

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



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

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



Title: **FORMAT LAKESHORE LP.**
42 LAKESHORE ROAD WEST
CHISHOLM STREET STORM SEWER
PLAN AND PROFILE
STA 0+080 TO 0+180

Municipal No.	Regional No.
Contract No.	Consultant No. 1811
Sheet	P1



KEY PLAN

ELEVATION NOTE
 ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928:78) AND DERIVED FROM THE TOWN OF OAKVILLE BENCHMARK NO. 21.

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 ELEVATION=86.63m

THE TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED MAY 19, 2022 BY J.D. BARNES LTD.

No	DD/MM/YY	By/DRN	REVISIONS
1	23/07/28	AJP/ZI	ISSUED FOR ZBA/OPA

Design	Drawn	Scale	References
AJP	ZI		

APPROVALS		Field Notes
Municipal	APPROVED IN PRINCIPLE SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF OAKVILLE STANDARDS AND SPECIFICATIONS.	Bell <input type="checkbox"/> Hydro <input type="checkbox"/>
	Date: _____	Gas <input type="checkbox"/> Cable <input type="checkbox"/>
	Manager of Development Engineering	Traf. <input type="checkbox"/> Water <input type="checkbox"/>

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.



Consultant

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

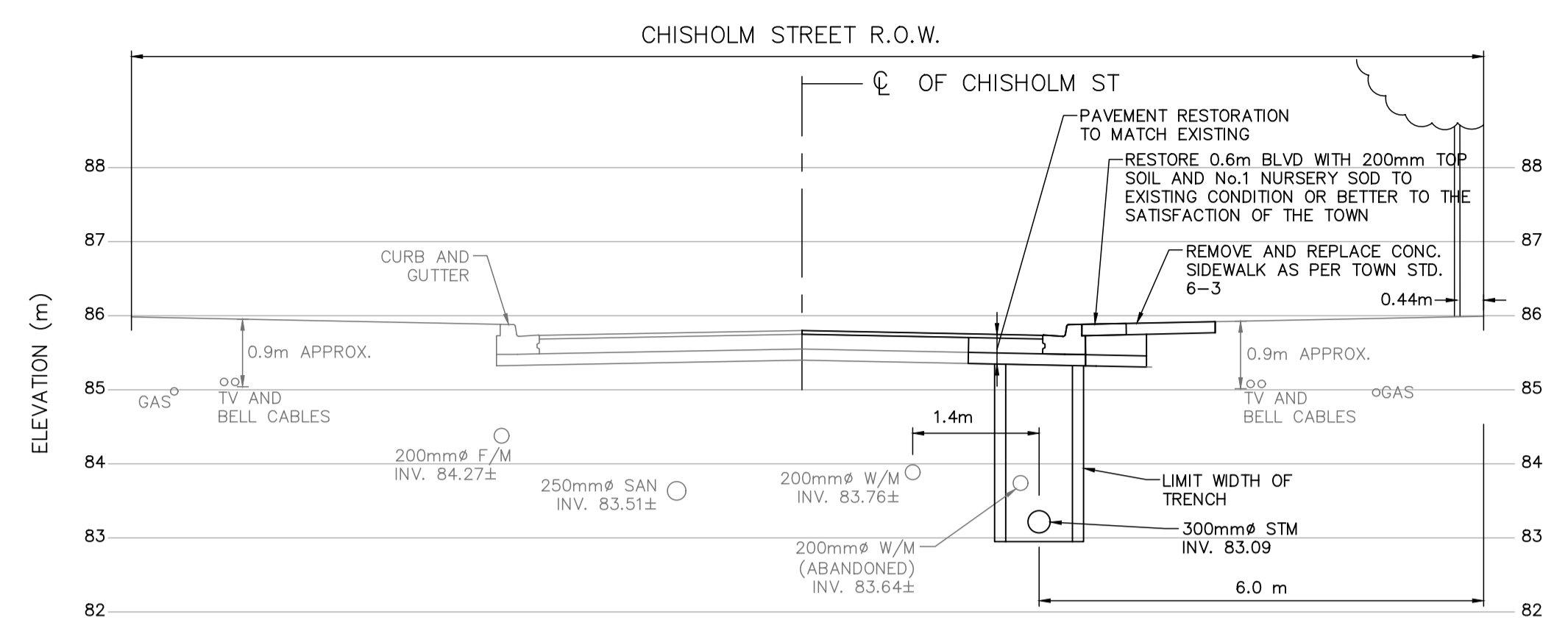
Municipality

OAKVILLE **Halton REGION**

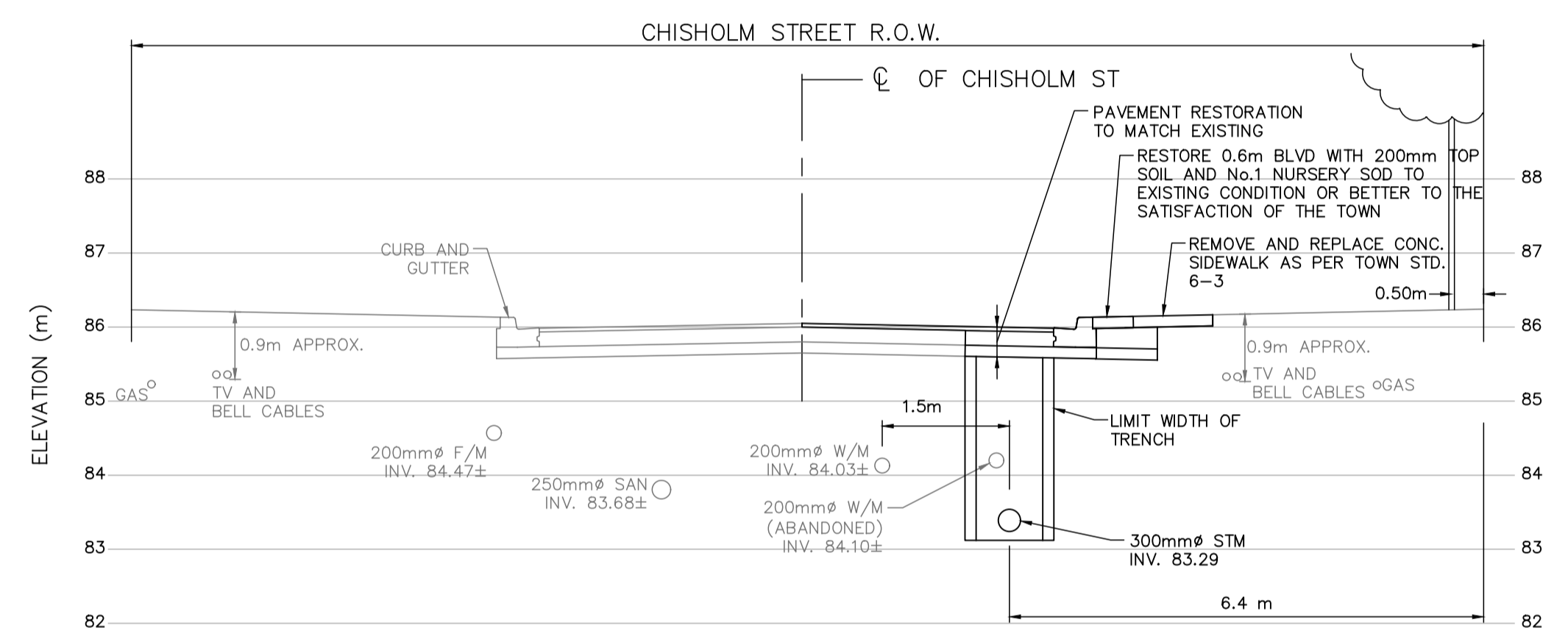
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FORMAT LAKESHORE LP.
 42 LAKESHORE ROAD WEST
 OAKVILLE ONTARIO
 SECTION AND DETAILS

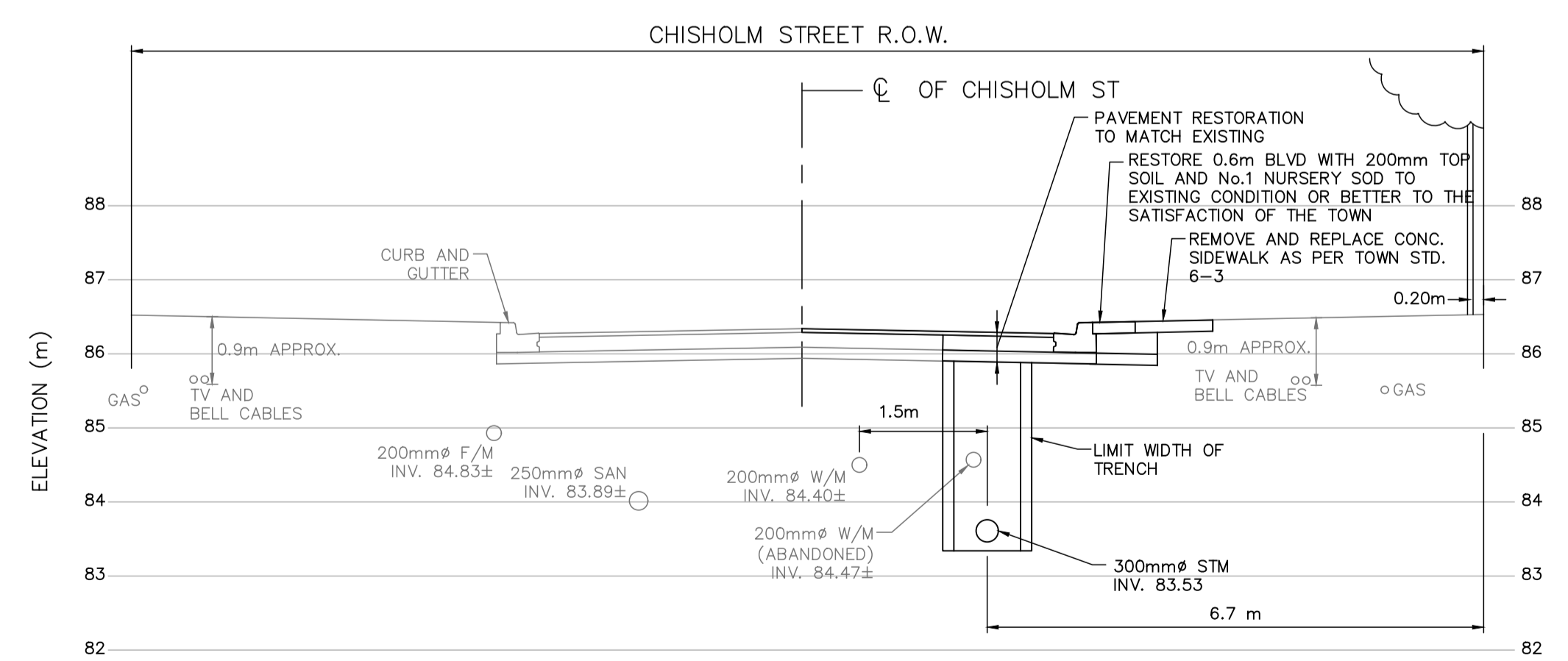
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Contract No.	Consultant No.
—	1811
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	P2



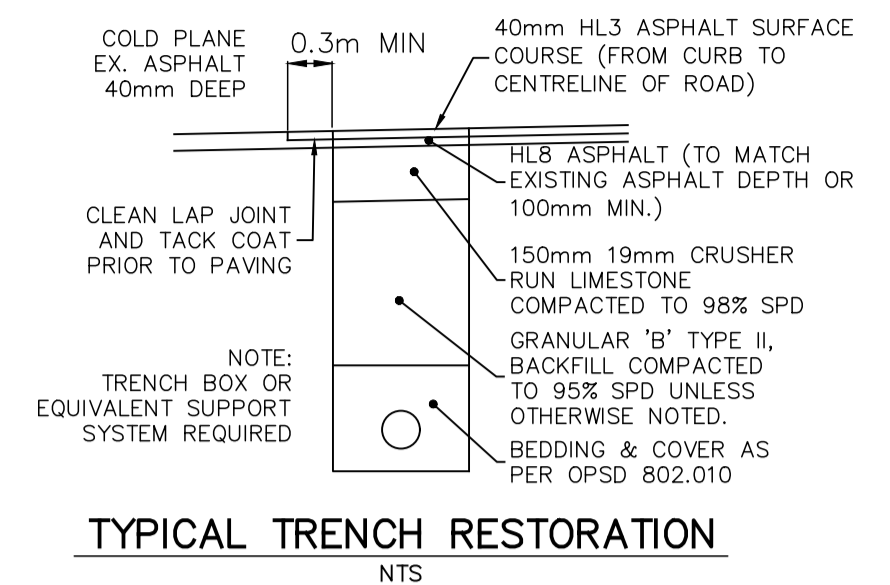
SECTION A-A
 SCALE 1:75



SECTION B-B
 SCALE 1:75



SECTION C-C
 SCALE 1:75



TYPICAL TRENCH RESTORATION

- NOTE:
1. PLACE HL3 ASPHALT TO MATCH EX SURFACE.
 2. IN FOLLOWING CONSTRUCTION SEASON GRIND ASPHALT 40mm DEEP AND PLACE 40mm HL3 ASPHALT.

GENERAL NOTES

1. ALL ROADS, STORM SEWERS AND OTHER MISCELLANEOUS ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF OAKVILLE REQUIREMENTS. SANITARY SEWERS AND WATERMAINS SHALL BE IN ACCORDANCE WITH THE REGION OF HALTON REQUIREMENTS. IN ABSENCE OF LOCAL STANDARDS, ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS SHALL BE USED, AS MODIFIED BY THE LOCAL MUNICIPALITY. ALL MATERIALS SHALL MEET OR EXCEED ONTARIO PROVINCIAL STANDARDS AND TOWN STANDARD SPECIFICATIONS.
2. ONTARIO PROVINCIAL STANDARD DRAWINGS (O.P.S.D.) ARE TO BE USED WHEN INDICATED (EXAMPLE: O.P.S.D. 600.04) TOWN OF OAKVILLE STANDARDS ARE USED FOR ROADS, STORM SEWERS AND MISCELLANEOUS WHEN INDICATED (EXAMPLE: 6-1). THE REGION OF HALTON STANDARDS ARE USED ON WATERMAINS AND SANITARY SEWERS AS INDICATED (EXAMPLE: RH 400.01).
3. ALL INFORMATION SHOWN ON THE ENGINEERING DRAWINGS REGARDING THE SIZE AND LOCATION OF EXISTING UTILITIES AND/OR SERVICES HAS NOT BEEN VERIFIED IN THE FIELD. BEFORE STARTING WORK, THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND LOCATION OF SAID UTILITIES, PROTECTING AND MAINTAINING UTILITIES DURING CONSTRUCTION, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
4. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER.
5. HOARDING OR SNOW FENCE SHALL BE ERECTED PRIOR TO ANY GRADING OR CONSTRUCTION AND SHALL REMAIN IN PLACE AND IN GOOD REPAIR THROUGHOUT THE CONSTRUCTION AND GRADING PHASE AND REMOVED ONLY AS DIRECTED BY THE ENGINEER.
6. PRIOR TO THE PLACEMENT OF ANY FILL MATERIAL ALL TOPSOIL IS TO BE REMOVED AND SUBGRADE IS TO BE CERTIFIED BY THE SOILS ENGINEER.
7. THE CONTRACTOR SHALL NOT DAMAGE TREES OUTSIDE AREAS INDICATED TO BE CLEARED AND GRUBBED.
8. TRAFFIC DETOURS AND SIGNAGE TO BE APPROVED BY OAKVILLE TRAFFIC DEPARTMENT. MAINTAIN ONE LANE OPEN TO TRAFFIC AT ALL TIMES.
9. TOWN OF OAKVILLE AND REGION OF HALTON STANDARD DRAWINGS, O.P.S.S. AND O.P.S.D. WITH REGIONAL AMENDMENTS FOR SANITARY SEWERS AND WATERMAINS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT.
10. NO BLASTING IS PERMITTED.
11. MANHOLE AND VALVE CHAMBER COVERS ARE TO BE SET FLUSH WITH BASE COURSE ASPHALT AND ADJUSTED TO FINAL GRADE PRIOR TO INSTALLING TOP LIFT OF ASPHALT.
12. ALL TRENCHES WITHIN EXISTING RIGHT-OF-WAY ARE TO BE BACKFILLED IN ACCORDANCE WITH TOWN OF OAKVILLE REQUIREMENTS.

STORM SEWERS

1. ALL STORM SEWERS 600mm DIA. OR SMALLER SHALL BE PVC PIPE IN ACCORDANCE WITH CSA B182.2. BEDDING SHALL BE O.P.S.D. 802.010. BEDDING MATERIAL SHALL BE CRUSHED STONE BASE (HL-6) GRAVEL AGGREGATE) AND A GRANULAR "C" COVER MATERIAL.
2. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ADDITIONAL BEDDING AND/OR STRONGER PIPE IF ACTUAL TRENCH WIDTHS EXCEED DESIGN WIDTHS.
3. MANHOLE SIZES AS SHOWN.
4. SURROUND ALL MANHOLES WITH A MINIMUM OF 1.0m COMPACTED GRANULAR "C" BACKFILL. ALL CATCHBASINS TO HAVE COMPLETE, COMPACTED GRANULAR "C" BACKFILL SURROUND.
5. FOR COMMON TRENCH DETAILS REFER TO REGION STD. RH 302.01.
6. BENCHING IN MANHOLES IS TO EXTEND UP TO THE SPRINGLINE OF THE PIPE.
7. SAFETY GRATINGS SHALL BE PROVIDED IN ALL MANHOLES WHEN THE DEPTH OF THE MANHOLE EXCEEDS 5.0m.

CONSTRUCTION NOTES:

1. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
2. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK, WHETHER SHOWN ON THE PLAN OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
3. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES. FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COST ARISING FROM SUCH INSPECTION.
4. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY TRAFFIC CONTROLS, PER MTO BOOK 7.
5. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT, WITH CONTROL BARS PROVIDED BY THE OWNER. PROTECTION OF CONTROL BARS IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR IS RESPONSIBLE TO VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, INCLUDING VAC TRUCK AND RESTORATION AS REQUIRED.
7. CONTRACTOR SHALL PROVIDE THIRD-PARTY DIGITAL AS-BUILTS IN CAD, TO INCLUDE ALL NEW SITE, SERVICING INCLUDING TOPS AND INVERTS, AND FINISHED GRADES, INCLUDING PAVED AREAS, SWALES, CURBS, SIDEWALKS AND RETAINING WALLS, TO THE SATISFACTION OF THE ENGINEER.
8. 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.