

CAPREIT 2
LIMITED
PARTNERSHIP



100 Commerce Valley Dr. West, Thornhill, ON Canada L3T 0A1
T: 905.882.1100 F: 905.882.0055 www.wsp.com

No.	DATE	ISSUED FOR ZBA AND SPA	M.K.	M.K.
1	2023-03-15			
REVISIONS		INITIAL	SIGNED	



ENGINEERING AND CONSTRUCTION SERVICES
Engineering Review, Development Engineering - Toronto and North York

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TORONTO STANDARDS.
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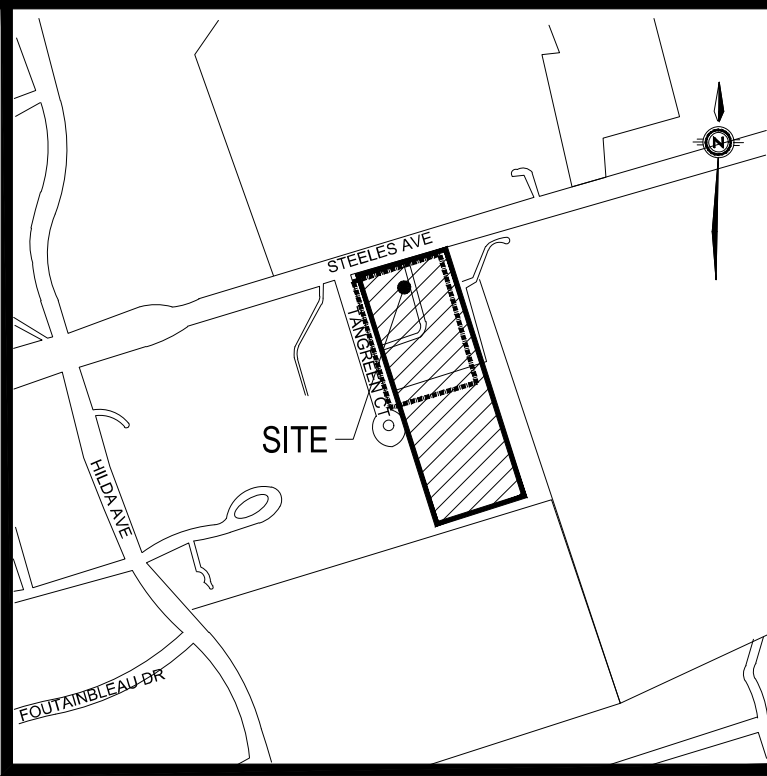
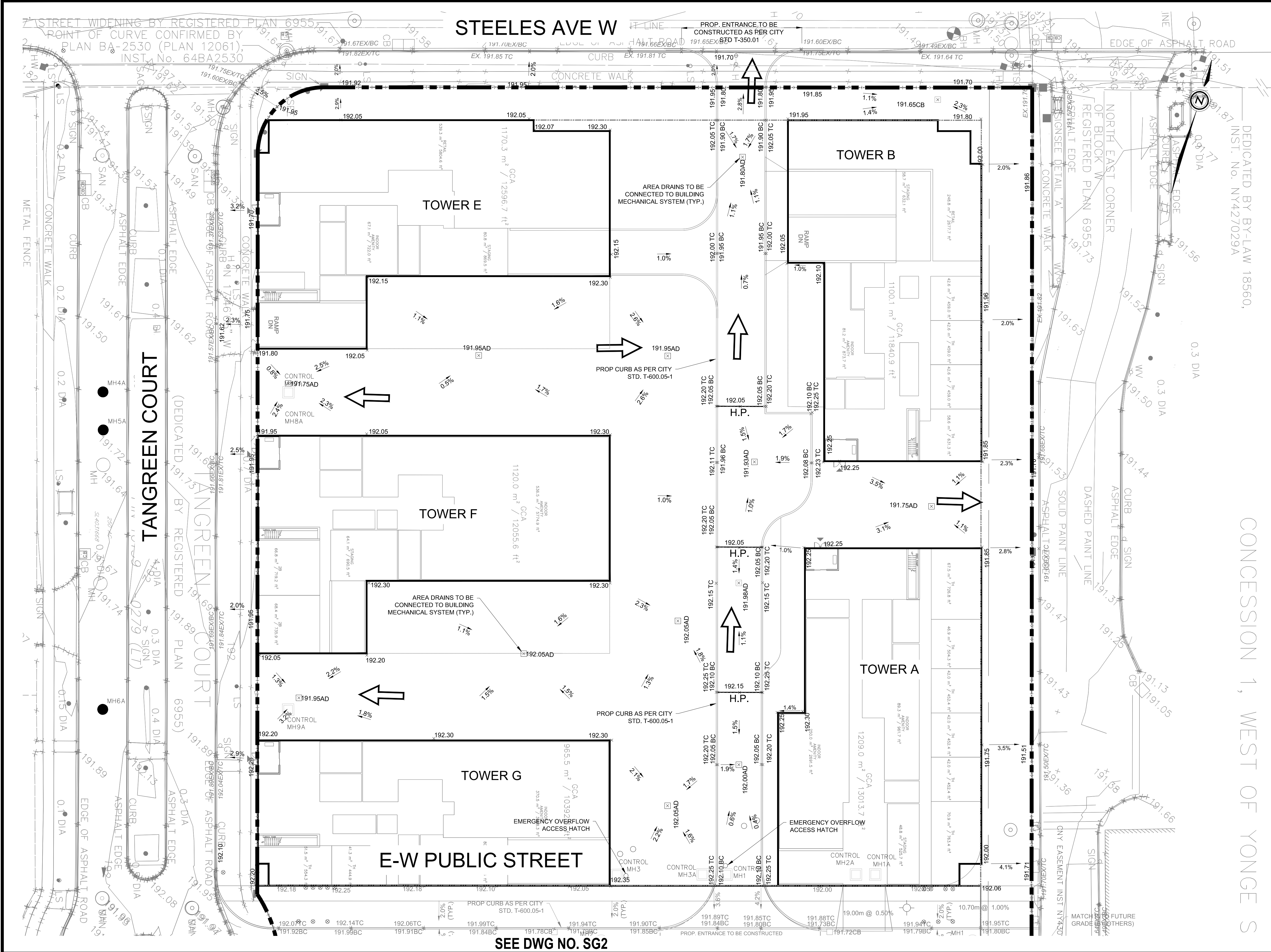
MANAGER, DEVELOPMENT ENGINEERING
CITY OF TORONTO

DATE

5 & 15 TANGREEN COURT
CITY OF TORONTO
MIXED-USE RESIDENTIAL DEVELOPMENT

SITE SERVICING PLAN

DESIGN:	L.Z.	DRAFTING:	L.Z.	CHECK:	M.K.	CONTRACT No.
SCALE:	1: 300			PROJECT	221-13290	
DATE:	MARCH, 2023			NUMBER:	SS1	



- KEY PLAN**
- LEGEND**
- LIMIT OF PROPERTY
 - × 91.53 EX. ELEVATION
 - × 92.2 PROP. ELEVATION
 - × 91.53 EX/BC EX. BOTTOM OF CURB ELEVATION
 - × 92.2 TC PROP. TOP OF CURB ELEVATION
 - EX. CONTOUR
 - OVERLAND FLOW ROUTE
 - ▲ DIRECTION OF FLOW
 - SANITARY MANHOLE
 - STORM MANHOLE CATCHBASIN
 - CATCHBASIN
 - DCB DOUBLE CATCHBASIN
 - ⊗ V&B VALVE AND BOX
 - ⊗ H&V HYDRANT AND VALVE
 - ABOVE GROUND BUILDING OVERHANG
 - UNDERGROUND BUILDING FOOTPRINT
 - AT GRADE BUILDING FOOTPRINT
 - DOOR

BEARING NOTE
BEARINGS SHOWN HEREON ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0).

SURVEY CREDIT
SURVEY PROVIDED BY: J.D.BARNES LIMITED
DATE OF SURVEY: DECEMBER 19, 2022

BENCHMARK
ELEVATIONS ARE IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.
ELEVATIONS SHOWN HEREON ARE RELATED TO GEODETIC DATUM (CGVD28-PR78) AND ARE DERIVED FROM CITY OF TORONTO BENCH MARK No. 12319654377, HAVING A PUBLISHED ELEVATION = 192.172 metres.

- NOTE 1:** THE BUILDING DRAINAGE SYSTEM TO BE DESIGNED TO DRAIN ALL STORM FLOWS UP TO THE 100 YEAR EVENT WITH NO DISCHARGES OFF THE SITE.
- NOTE 2:** THE OWNER IS REQUIRED TO INSTALL AND MAINTAIN A PREMISE ISOLATION DEVICE FOR ALL APPLICABLE WATER SERVICES IN ACCORDANCE WITH TORONTO MUNICIPAL CODE, CHAPTER 851 WATER SUPPLY.
- NOTE 3:** WHEN EXPOSING ABANDONED GAS PLANT, THE CONTRACTOR MUST CONTACT VITO MODUGNO - FIELD MANAGER, OPERATION, ENBRIDGE GAS @ 416-753-7408 OR EMAIL VITO.MODUGNO@ENBRIDGE.COM TO FACILITATE VERIFICATION AND DE-WATERING OPERATIONS OF THE ABANDONED GAS PLANT. REMOVAL OF THE ABANDONED GAS PLANT IS NOT THE RESPONSIBILITY OF ENBRIDGE GAS DISTRIBUTION INC. AND CAN ONLY BE DONE AFTER THE OPERATIONS FIELD MANAGER'S APPROVAL.
- NOTE 4:** PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY THE CONTRACTOR OR DEVELOPER, WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE CITY'S RIGHT-OF-WAY MANAGEMENT UNIT.
- NOTE 5:** ALL WORK IN THE MUNICIPAL RIGHT OF WAY TO BE COMPLETED BY THE APPLICANT AT NO COST TO THE MUNICIPALITY.
- NOTE 6:** ALL SERVICE CONNECTIONS TO BE COMPLETED BY TORONTO WATER
- NOTE 8:** IT IS THE RESPONSIBILITY OF THE APPLICANT TO COMPLY WITH THE SEWER USE BY-LAW AND OBTAIN ALL APPROVALS/PERMITS FROM TORONTO WATER-ENVIRONMENTAL MONITORING & PROTECTION UNIT FOR ANY PROPOSED TEMPORARY OR PERMANENT DISCHARGING OF GROUNDWATER INTO MUNICIPAL SEWER SYSTEM AND WATERCOURSES.
- NOTE 9:** STAFF HAVE REVIEWED THIS APPLICATION ON THE UNDERSTANDING IT WILL COMPREHEND ONE MIXED USE CONDOMINIUM CORPORATION UPON COMPLETION. IF ANY PARTY INCLUDING THE APPLICANT OR ANY SUBSEQUENT OWNER, SUBMITS AN APPLICATION FOR CONDOMINIUM APPROVAL FOR THIS DEVELOPMENT NOT IN ACCORDANCE WITH THIS INFORMATION, DIFFERENT SERVING CONNECTIONS, INCLUDING ALL ASSOCIATED STORMWATER MANAGEMENT FACILITIES AND ANY NECESSARY REVISED PLANS AND STUDIES, MAY BE REQUIRED BY THE CITY AT THE SOLE COST TO THE CONDOMINIUM APPLICANT.
- NOTE 10:** SERVING FOR THIS SITE INCLUDES DISCHARGE OF PRIVATE WATER INTO THE CITY'S SANITARY SEWER SYSTEM. THE OWNER SHALL APPLY FOR AND OBTAIN AN EXEMPTION UNDER CITY OF TORONTO MUNICIPAL CODE CHAPTER 881, SEWERS (THE "SEWERS BY-LAW"), WHERE APPROVED BY THE GENERAL MANAGER, TORONTO WATER, FOR THE DISCHARGE OF PRIVATE WATER INTO THE CITY'S SANITARY SEWER SYSTEM. ANY ACCEPTANCE OF THIS DRAWING DOES NOT CONSTITUTE AN APPROVAL TO CONNECT A PRIVATE WATER DRAINAGE SYSTEM OR TO DISCHARGE PRIVATE WATER TO A CITY SEWER, WHICH APPROVAL MUST TAKE THE FORM OF A DISCHARGE AGREEMENT EXECUTED BY THE GENERAL MANAGER, TORONTO WATER, IN ACCORDANCE WITH THE SEWERS BY-LAW. IF THE OWNER IS UNABLE TO OBTAIN AN EXEMPTION IN THE FORM OF A DISCHARGE AGREEMENT, OR DOES NOT REMAIN IN GOOD STANDING, AMENDMENTS TO THE APPROVED SITE PLAN OR A NEW SITE PLAN APPLICATION MAY BE REQUIRED.

CONCESSION 1, WEST OF YONGE S

SEE DWG NO. SG2

CAPREIT 2
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PARTNERSHIP

wsp

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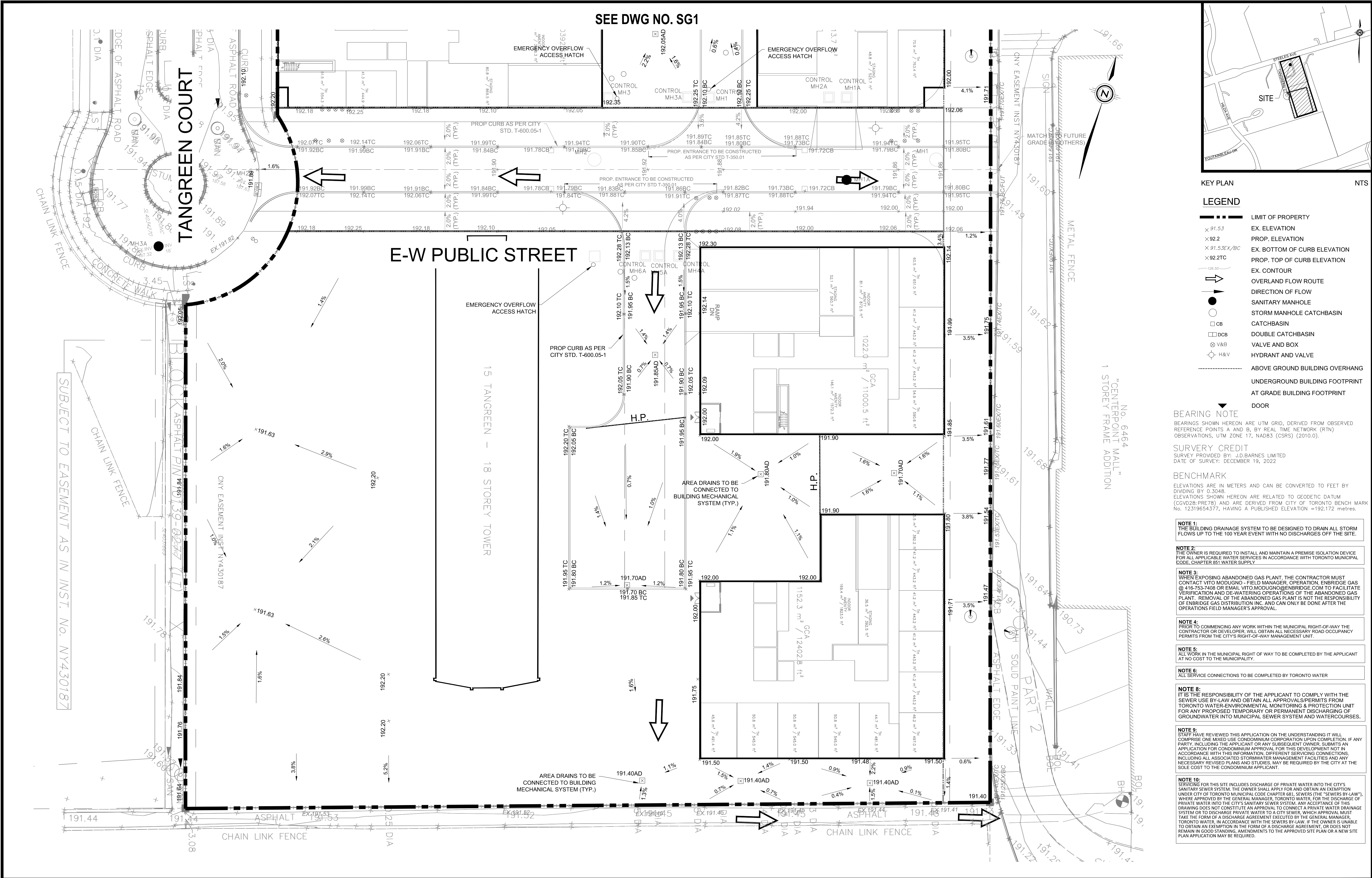
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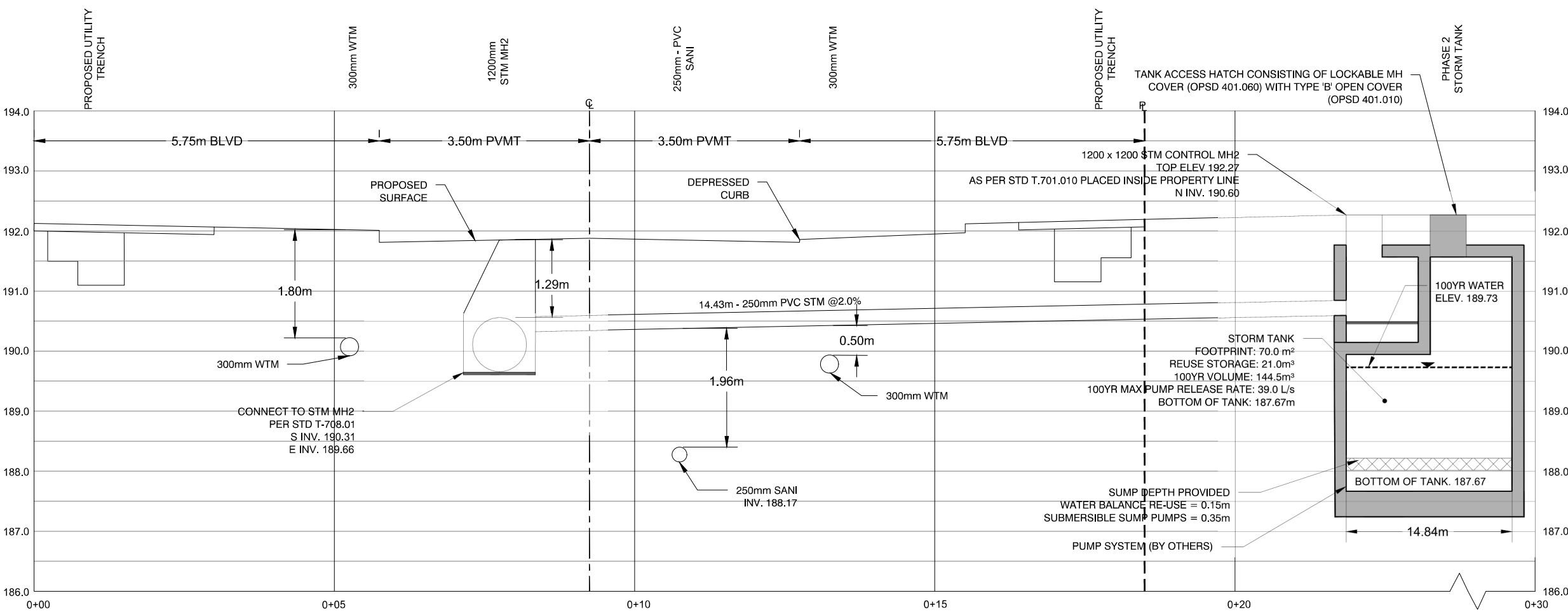
5 & 15 TANGREEN COURT
CITY OF TORONTO
MIXED-USE RESIDENTIAL DEVELOPMENT

SITE GRADING PLAN-PHASE 1 & 3

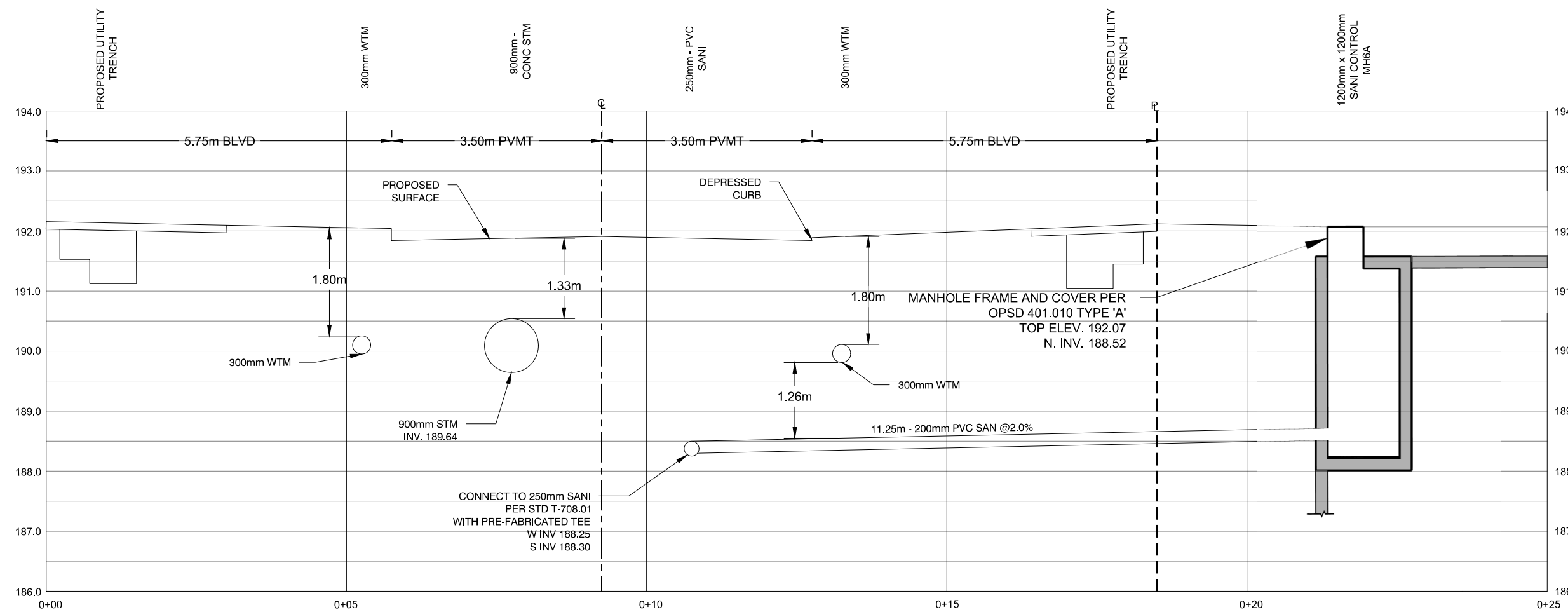
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SCALE:	1:250		PROJECT NUMBER:	221-13290		DRAWING NUMBER:
DATE:	MARCH, 2023				SG1	



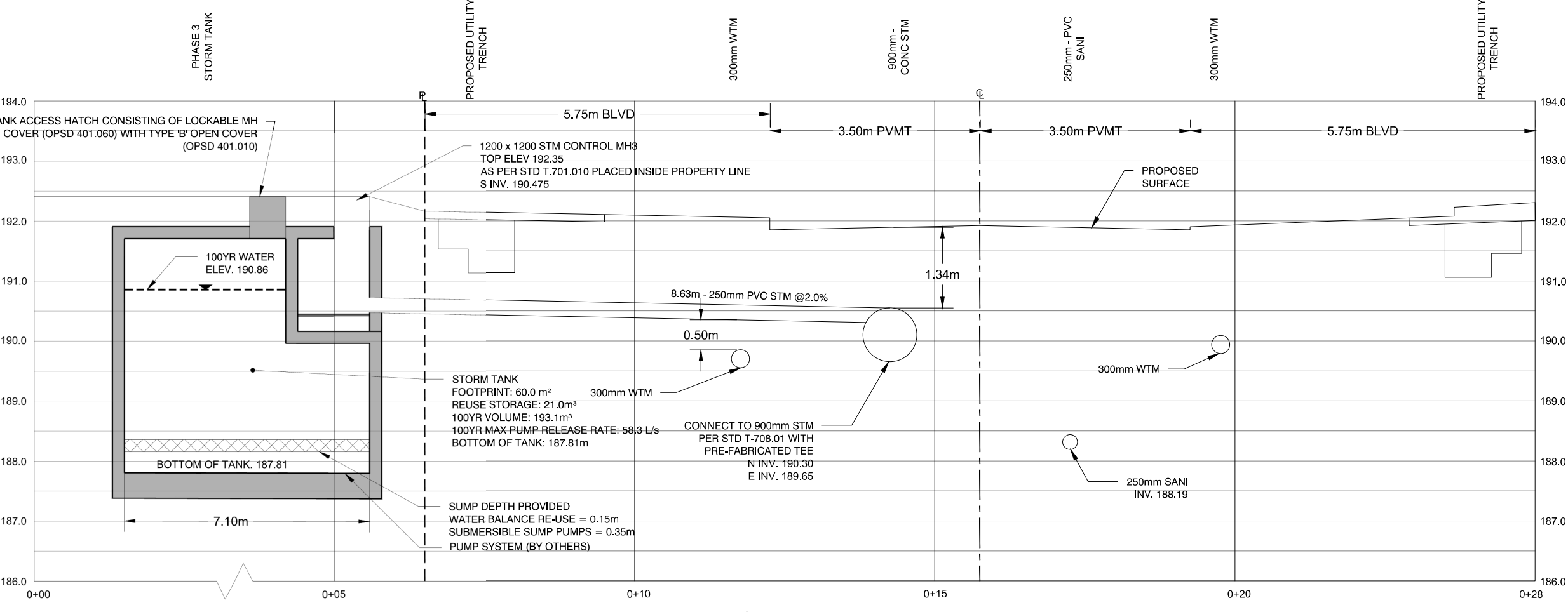
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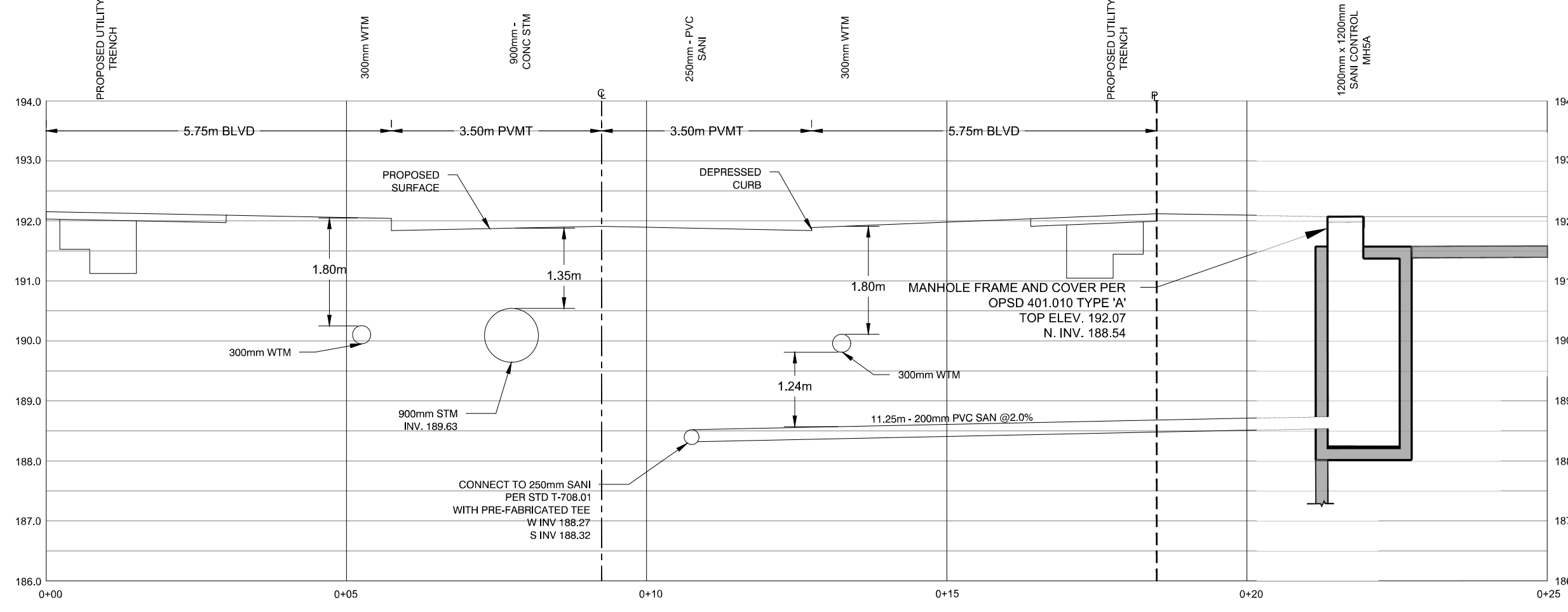
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STORM CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



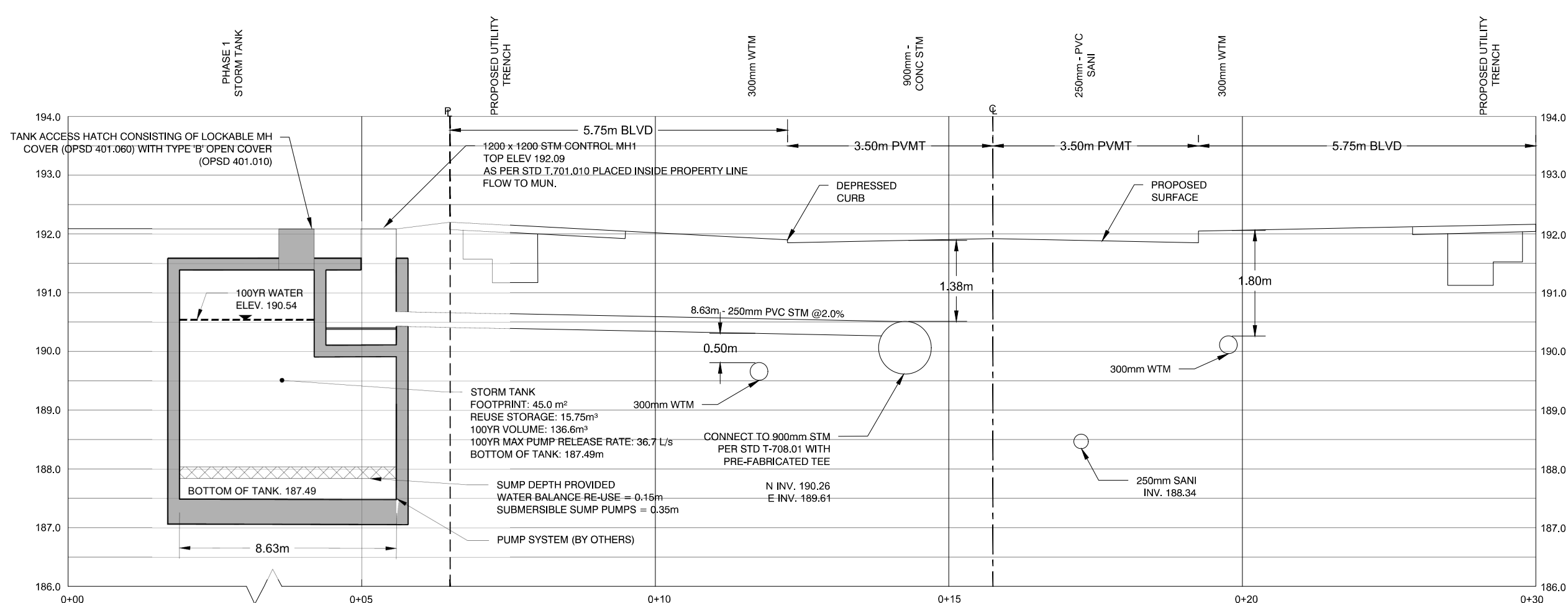
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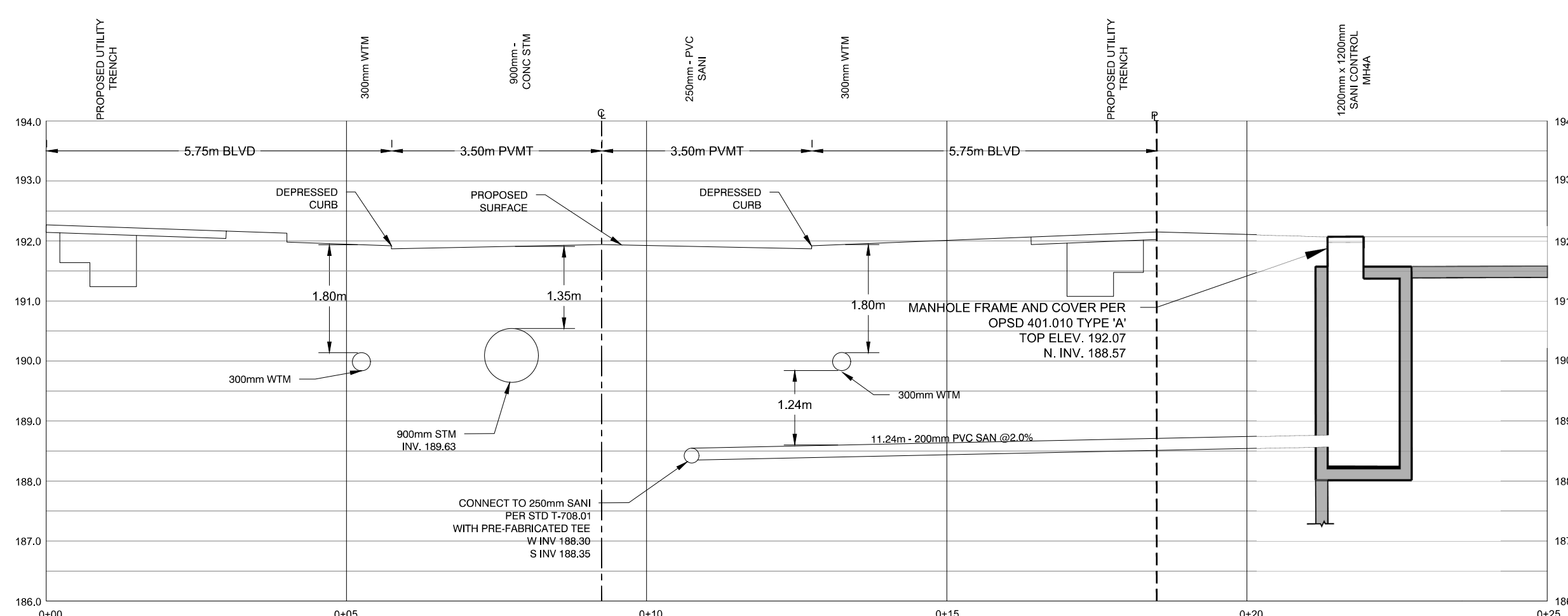
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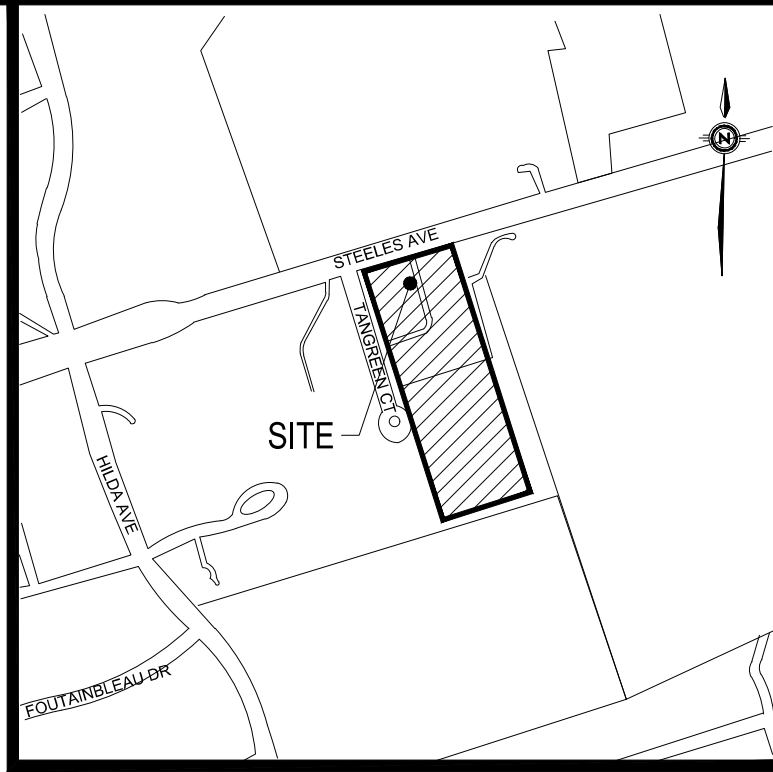
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SCALE - H 1:1 V 1:1



SECTION C-C
STORM CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



SECTION F-F
SANITARY CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



KEY PLAN

NTS

CAPREIT 2
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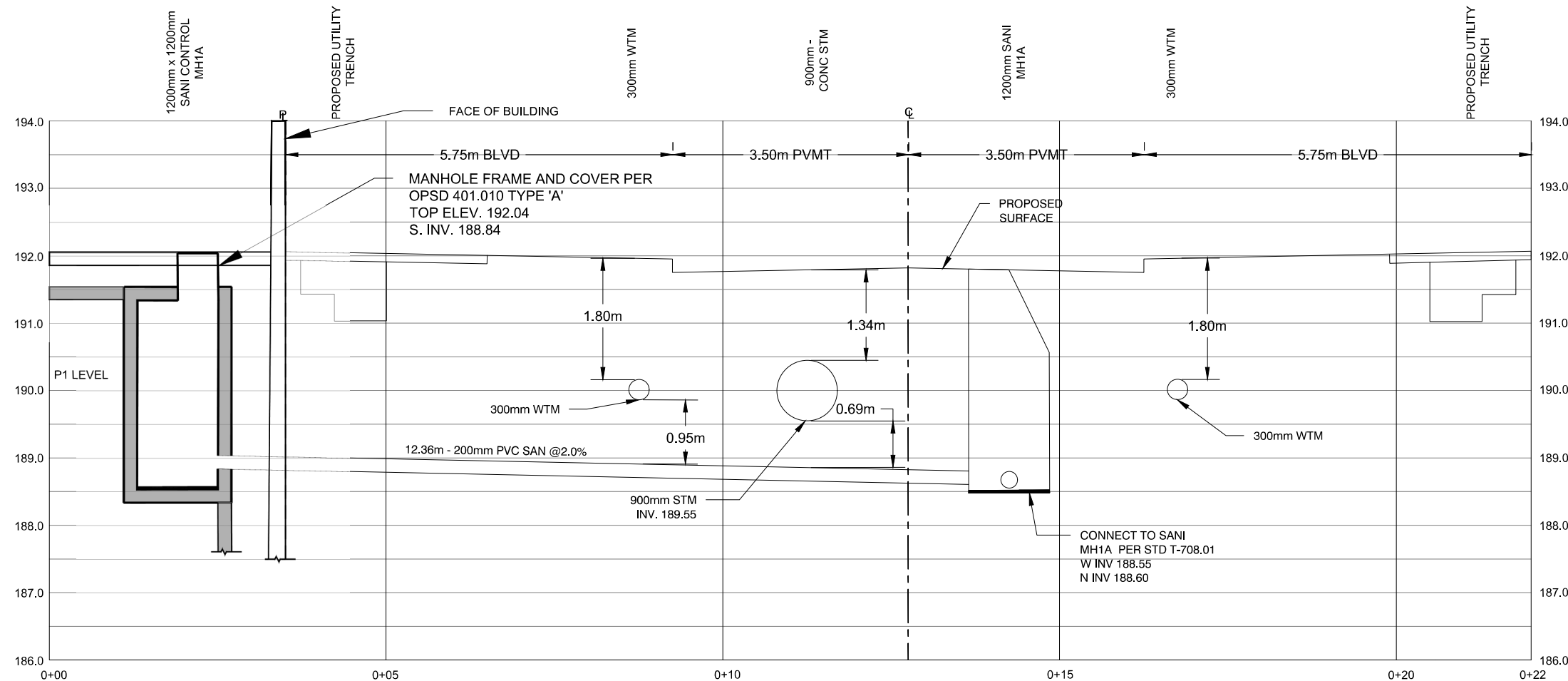
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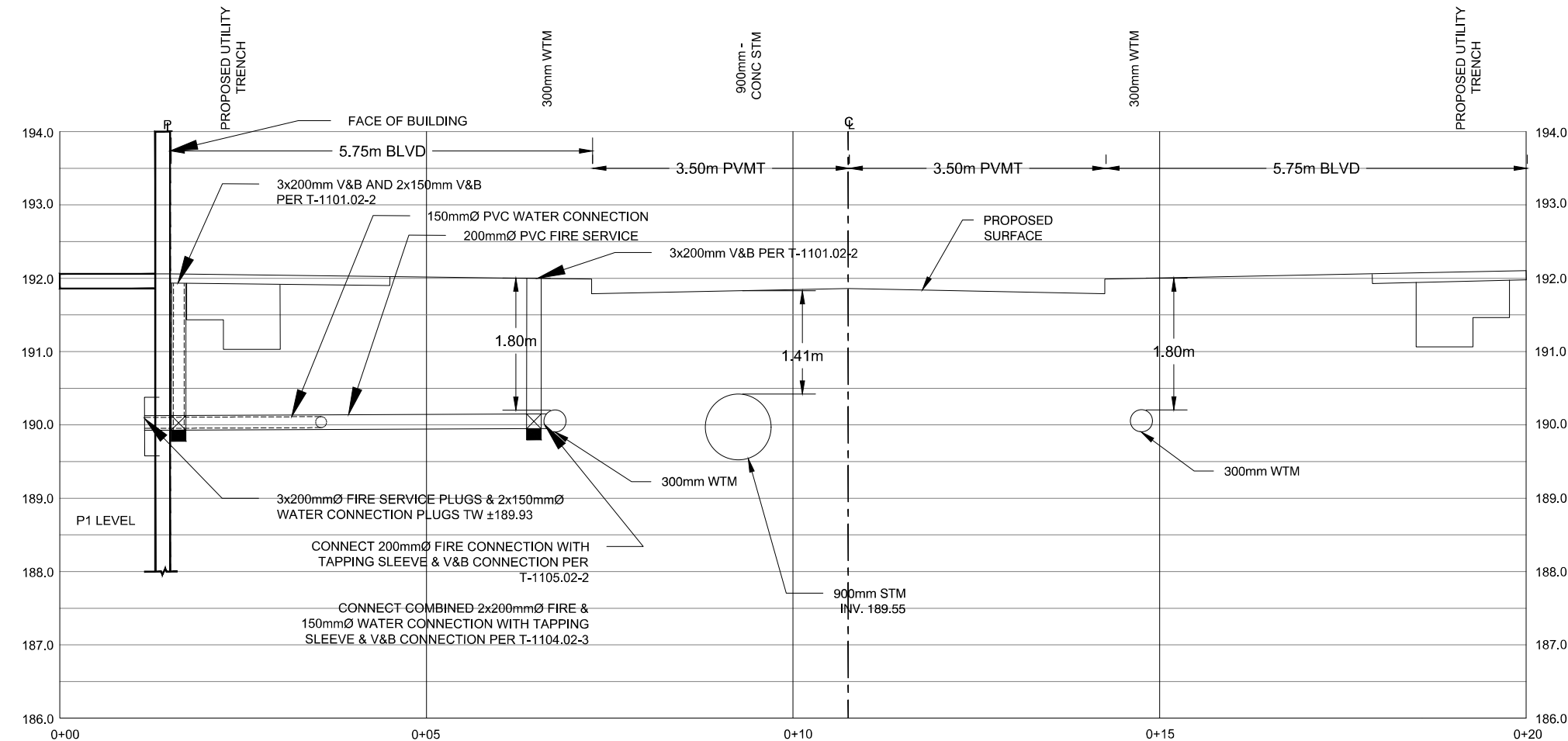
5 & 15 TANGREEN COURT
CITY OF TORONTO
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CROSS SECTIONS

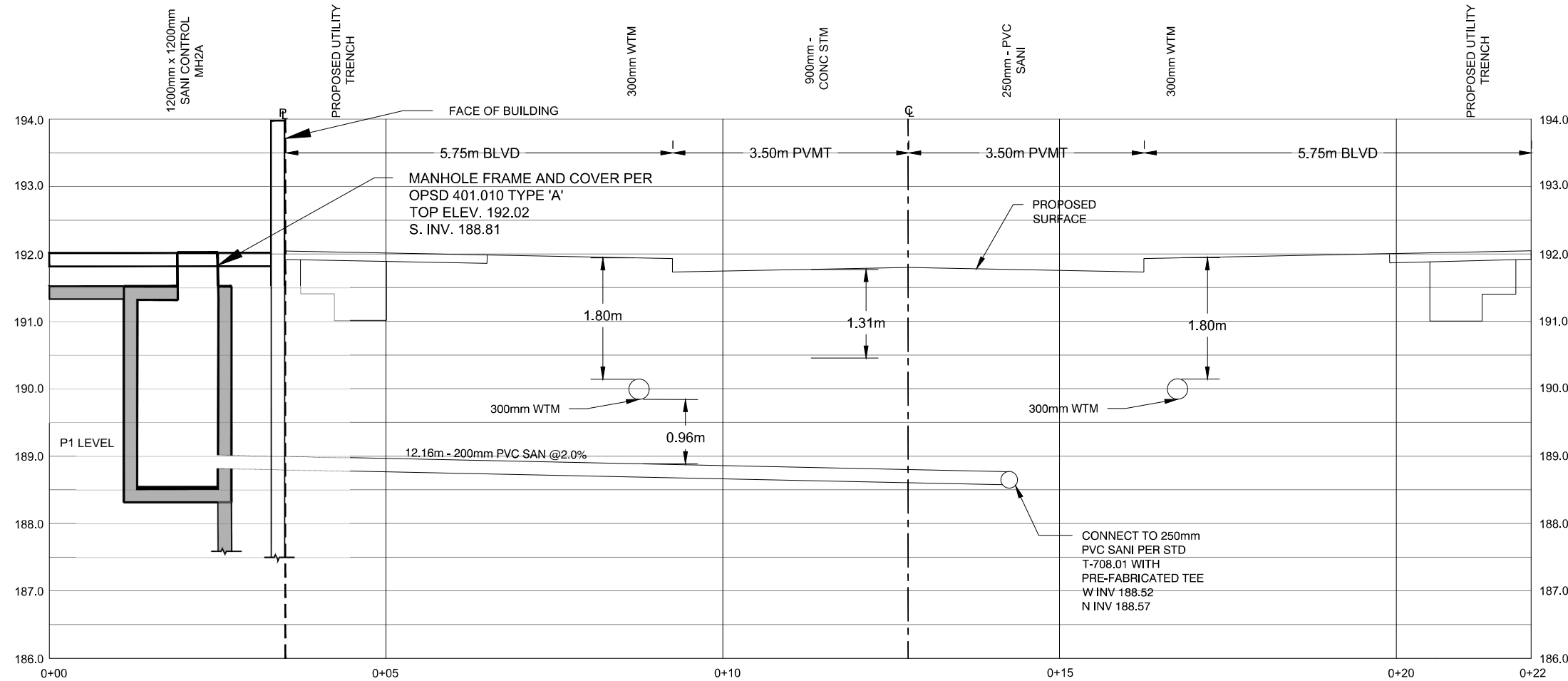
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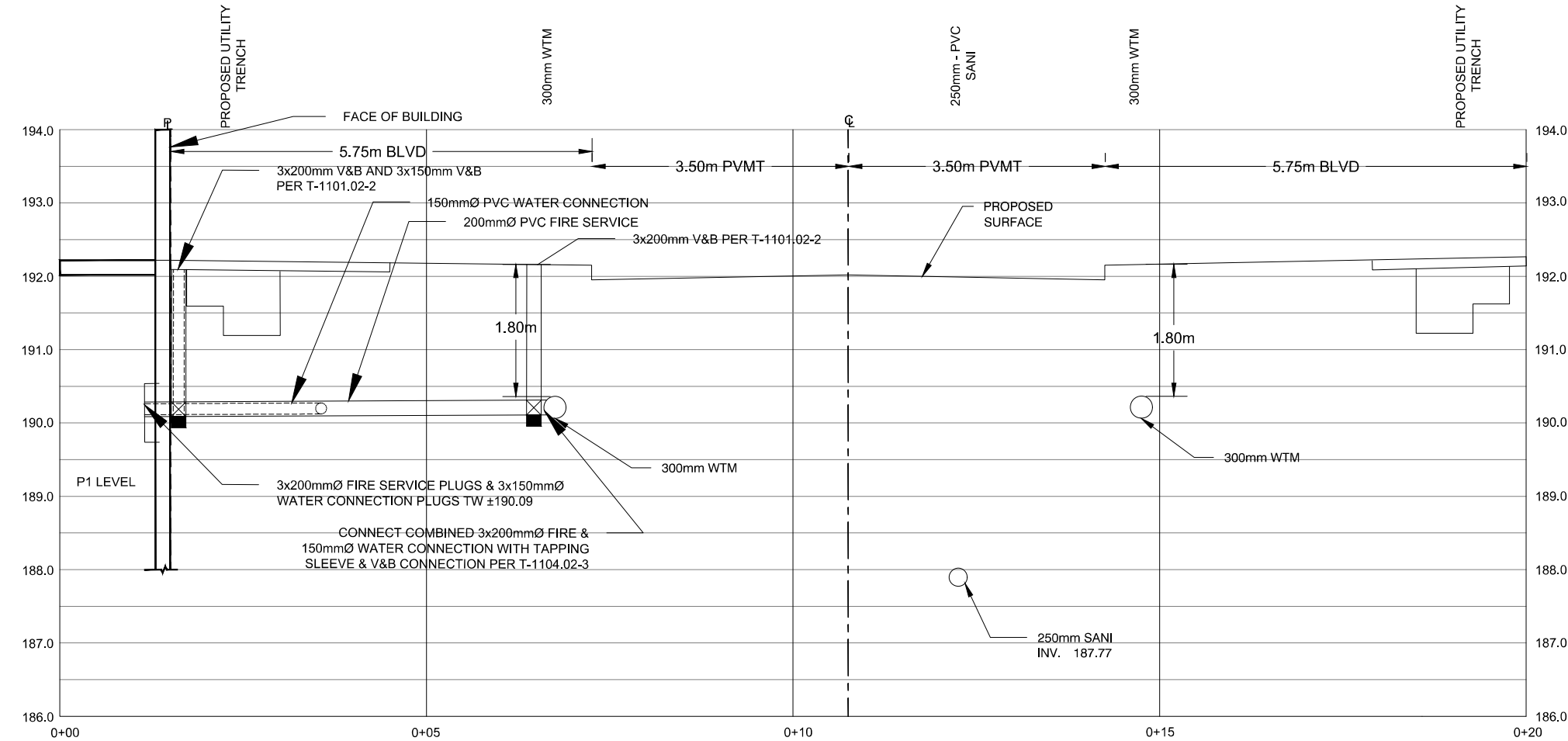
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SANITARY CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



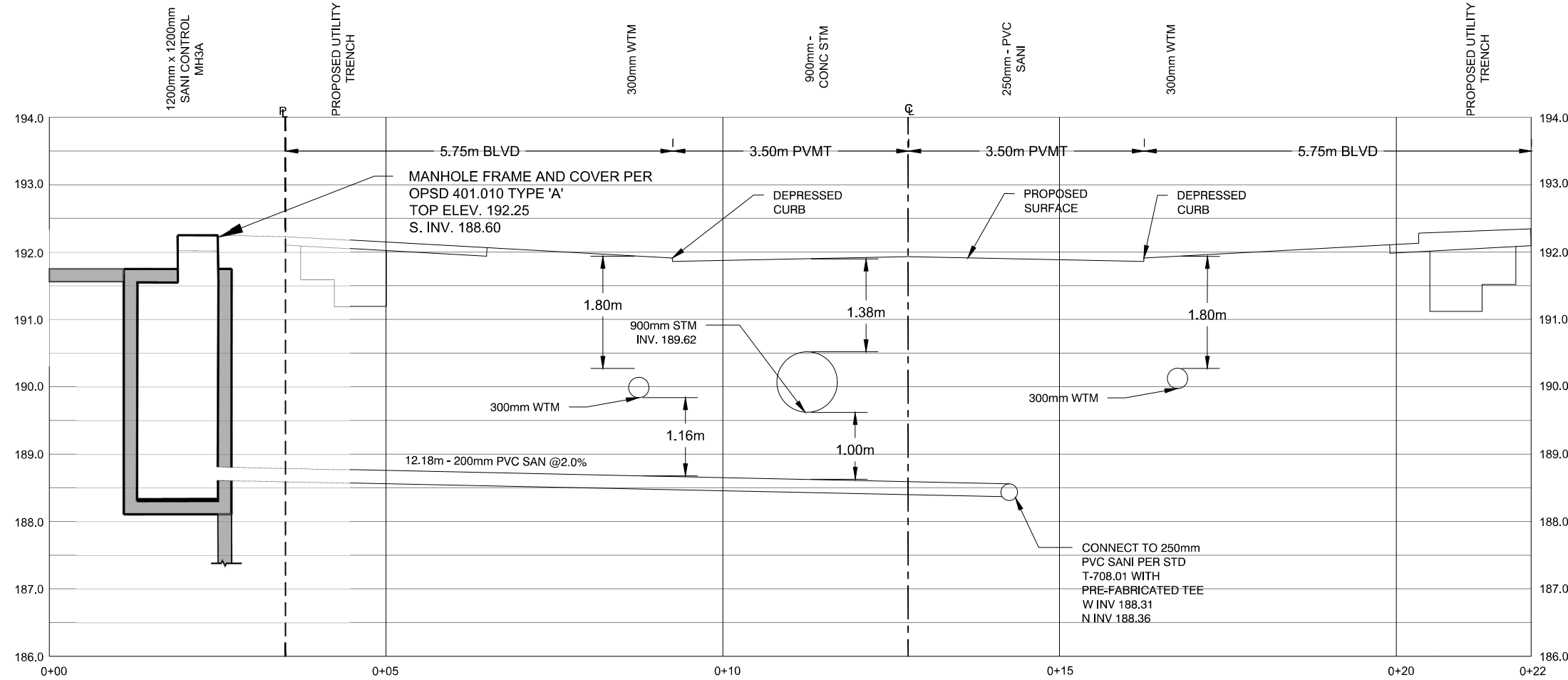
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WATERMAIN CONNECTION TO E-W PUBLIC STREET
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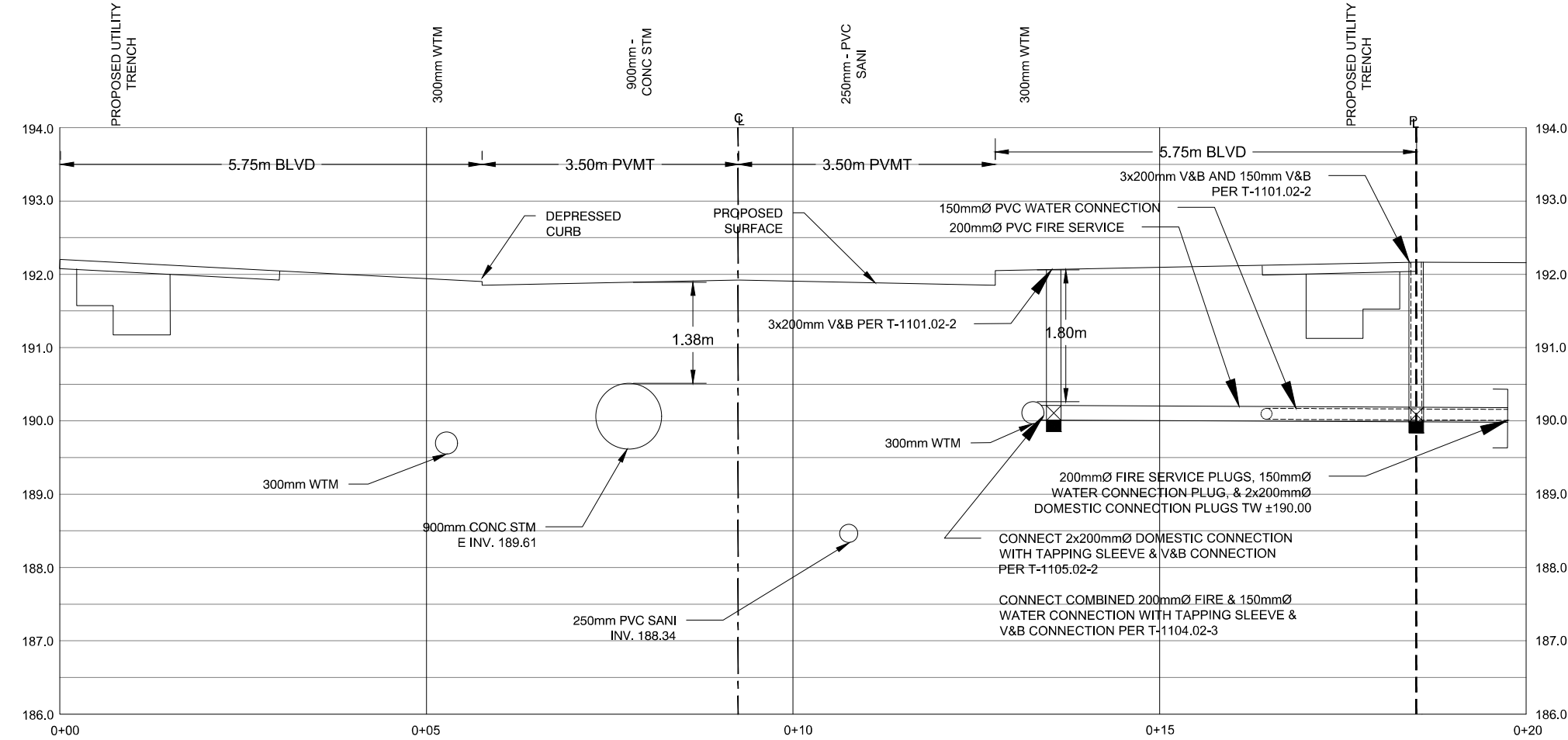
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SANITARY CONNECTION TO E-W PUBLIC STREET
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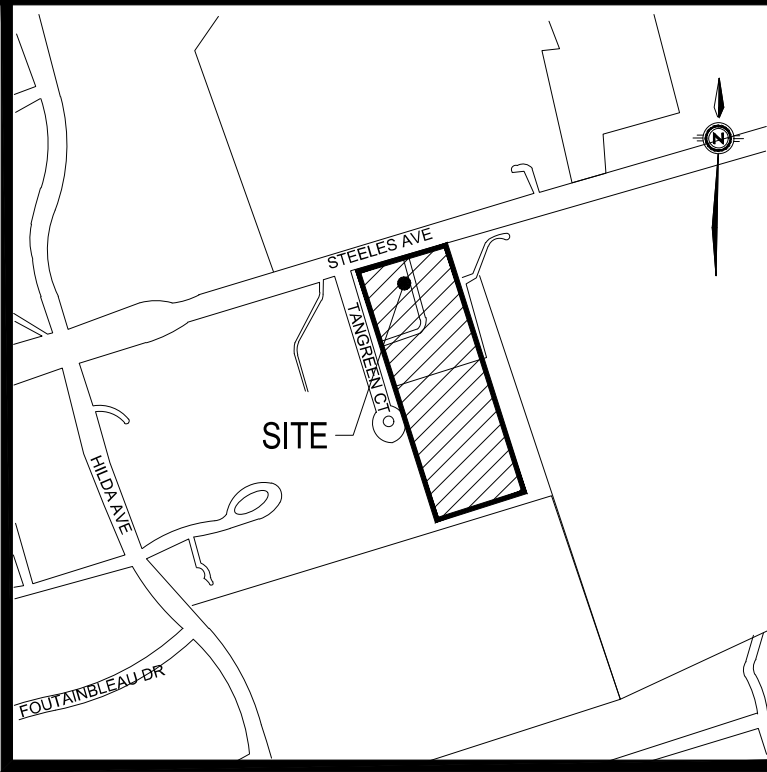
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WATERMAIN CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



SECTION I-I
SANITARY CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



SECTION L-L
WATERMAIN CONNECTION TO E-W PUBLIC STREET
SCALE - H 1:1 V 1:1



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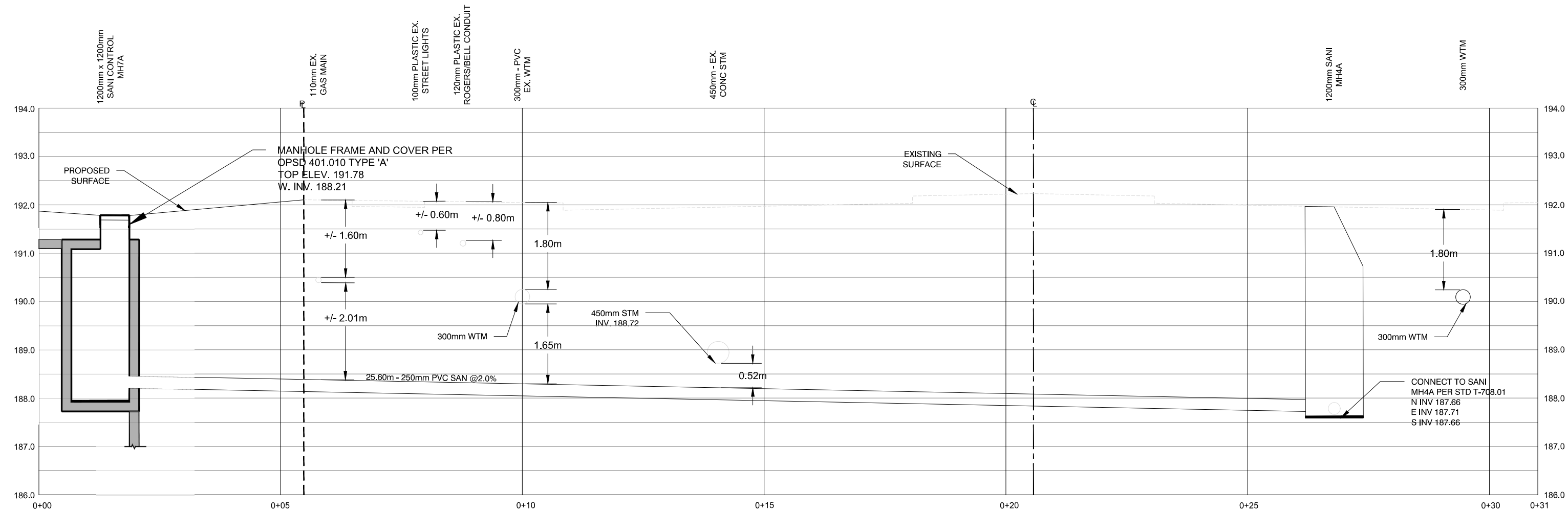
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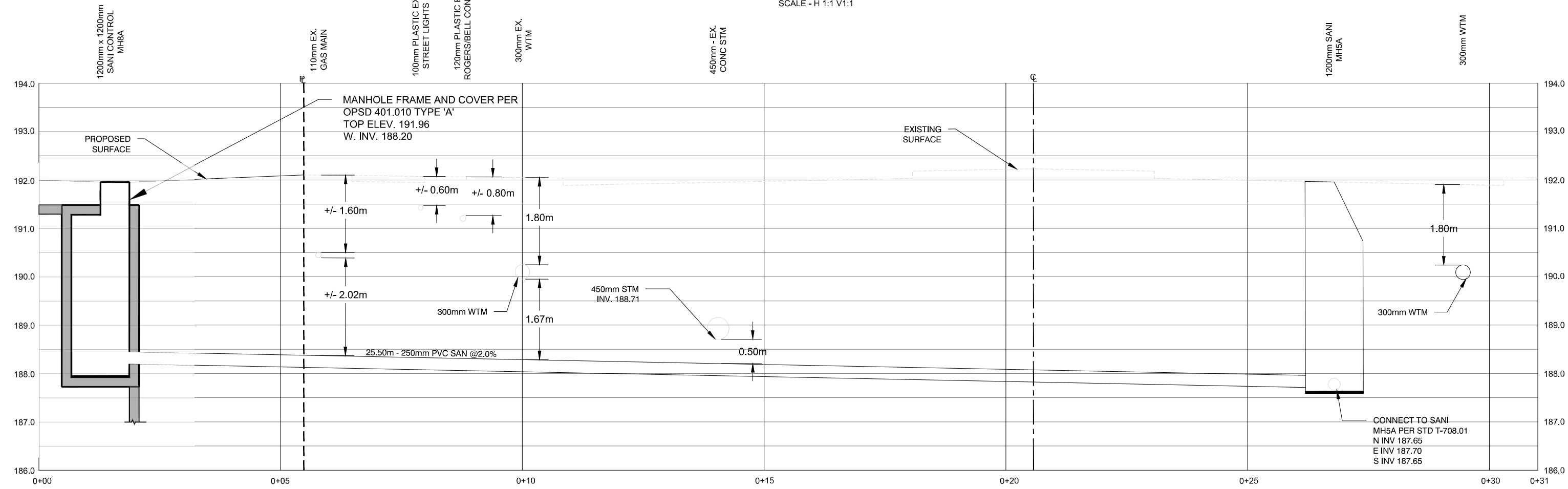
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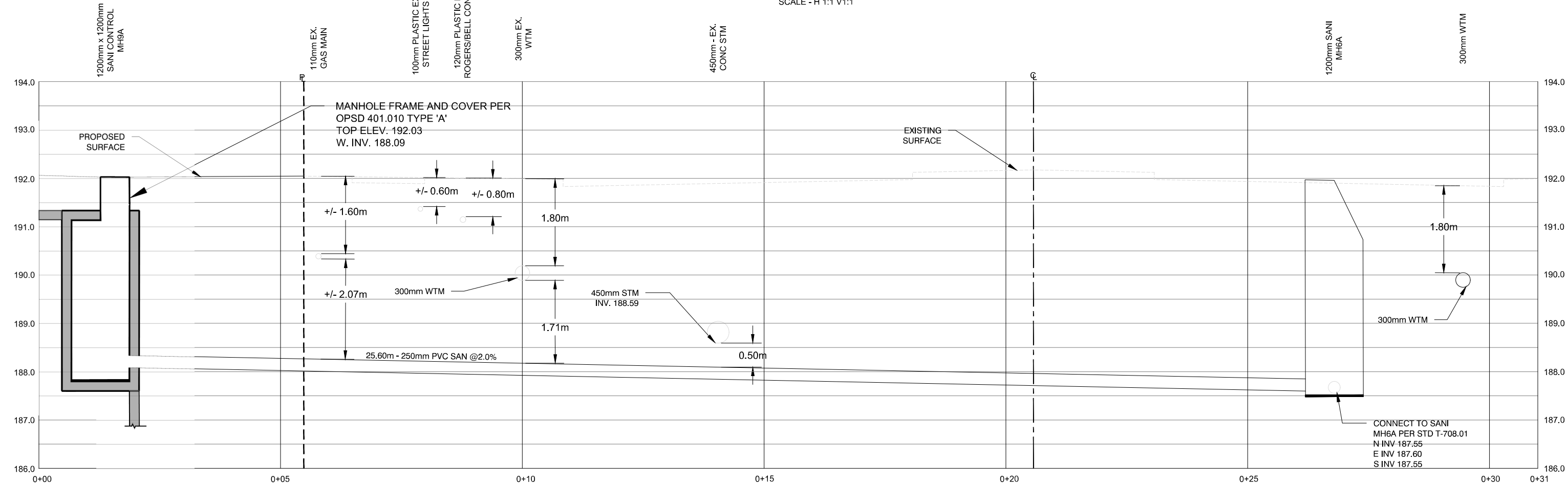
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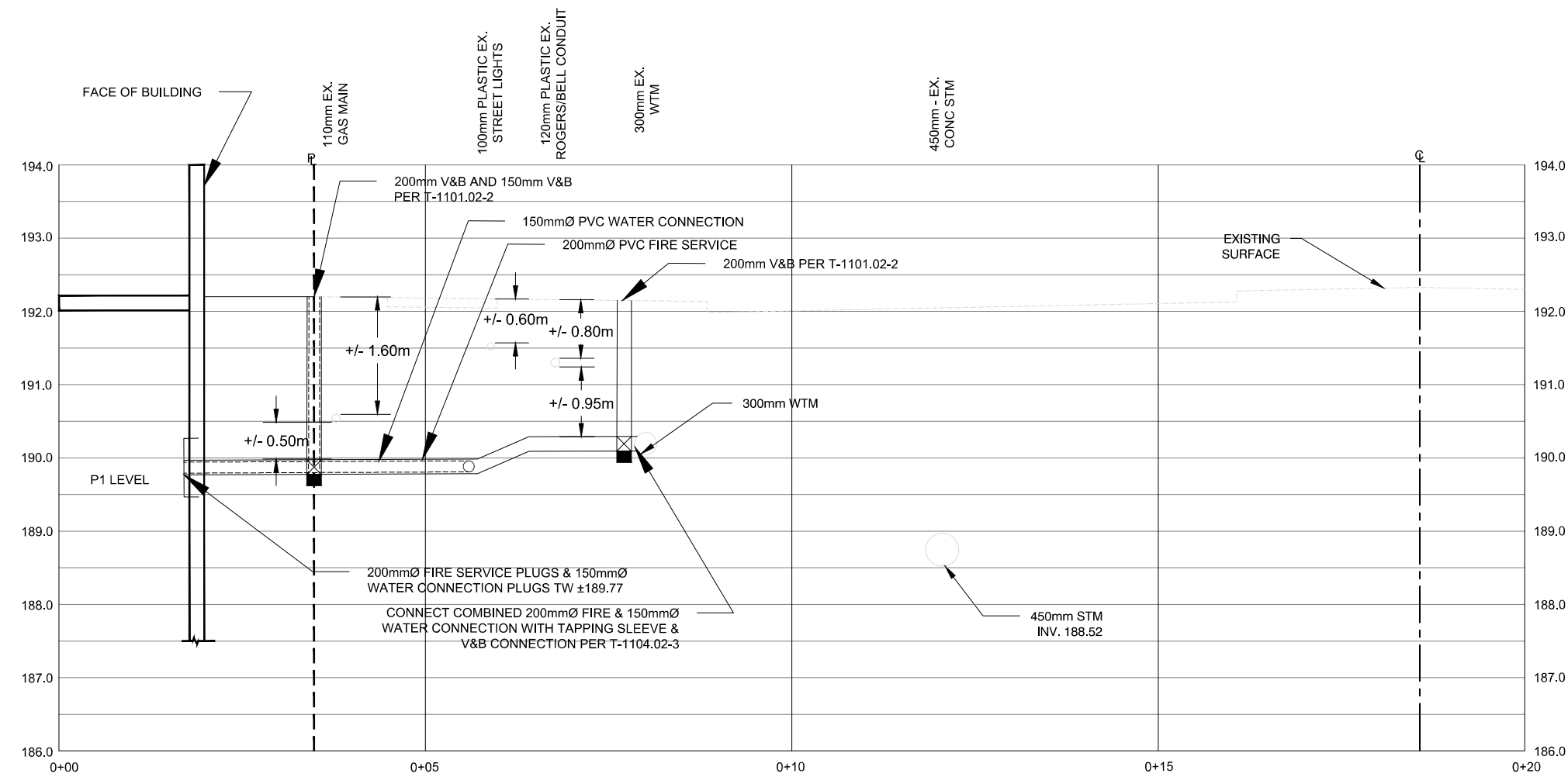
SECTION M-M
SANITARY CONNECTION TO TANGREEN COURT
SCALE - H 1:1 V 1:1



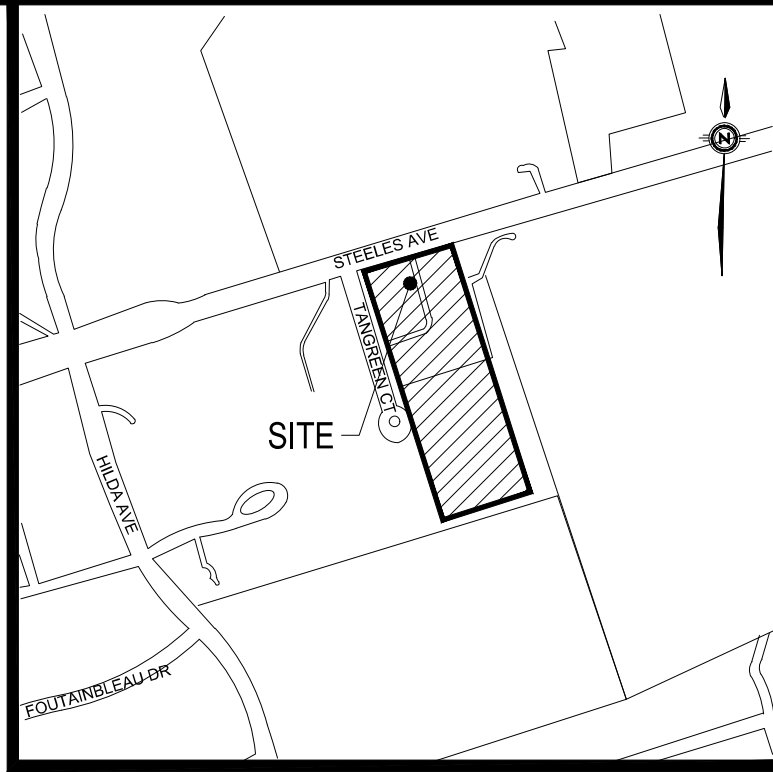
SECTION N-N
SANITARY CONNECTION TO TANGREEN COURT
SCALE - H 1:1 V 1:1



SECTION O-O
SANITARY CONNECTION TO TANGREEN COURT
SCALE - H 1:1 V 1:1



SECTION P-P
WATERMAIN CONNECTION TO TANGREEN COURT
SCALE - H 1:1 V 1:1



KEY PLAN

NTS

CAPREIT 2
LIMITED
PARTNERSHIP



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No.	DATE	REVISIONS	INITIAL	SIGNED
1	2023-03-15	ISSUED FOR ZBA AND SPA	M.K.	M.K.



ENGINEERING AND CONSTRUCTION SERVICES
Engineering Review, Development Engineering - Toronto and North York

ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF
TORONTO STANDARDS.
THIS ACCEPTANCE IS NOT CONSTRUED AS
VERIFICATION OF ENGINEERING CONTENT.

MANAGER, DEVELOPMENT ENGINEERING
CITY OF TORONTO

DATE

5 & 15 TANGREEN COURT
CITY OF TORONTO
MIXED-USE RESIDENTIAL DEVELOPMENT

CROSS SECTIONS

DESIGN:	L.Z.	DRAFTING:	L.Z.	CHECK:	M.K.	CONTRACT No.
SCALE:	AS SHOWN			PROJECT NUMBER:	221-05566	
DATE:	MARCH, 2023			DRAWING NUMBER:	CS3	

LEGISLATION, REGULATION AND CODES

1. ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL BE CONSTRUCTED ACCORDING TO THE LATEST CITY OF TORONTO STANDARD DRAWINGS AND SPECIFICATIONS. ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS MAY BE USED WHERE NO CITY STANDARD OR SPECIFICATION IS AVAILABLE SUBJECT TO THE APPROVAL OF THE CITY OF TORONTO.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
3. ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION AND SHALL BE ACCORDING TO THE CURRENT ONTARIO TRAFFIC MANUAL FOR BOOK 7 TEMPORARY CONDITIONS FIELD EDITION.

CONSTRUCTION NOTES

1. ALL MATERIAL FOR SEWER, FORCEMAIN, WATERMAIN, HYDRANTS AND APPURTENANCES, SHALL BE ACCORDING TO CITY OF TORONTO MATERIAL/MANUFACTURER SPECIFICATIONS AS REQUIRED BY CHAPTER 6. MATERIAL SPECIFICATIONS FROM DESIGN CRITERIA FOR SEWERS AND WATERMANS MANUAL.
2. UTILITY SEPARATION SHALL BE ACCORDING TO APPENDIX 'D' OF THE CITY OF TORONTO DESIGN CRITERIA FOR SEWERS AND WATERMANS MANUAL.
3. SERVICE CONNECTIONS AND UTILITY CUTS MADE IN ROAD PAVEMENTS SHALL BE BACKFILLED WITH UNSHRINKABLE FILL ACCORDING TO TS 4.60.
4. ALL AREAS DISTURBED DURING CONSTRUCTION WITHIN THE CITY'S RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AND TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. GRASS AREAS SHALL BE TREATED WITH 100 mm OF TOPSOIL AND SHALL BE SODDED ACCORDING TO TS 5.00 AND TS 5.10.
5. ALL EXISTING UTILITIES SHOWN ON DRAWINGS (PLAN AND PROFILE) ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACTUAL LOCATION AND DEPTH OF ANY UTILITY AND SHALL BE LIABLE FOR ALL OR ANY DAMAGE.
6. ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND CONSTRUCTION DRAWINGS MUST BE REPORTED TO THE CONSULTANT PRIOR TO COMMENCEMENT OF CONSTRUCTION AND APPROPRIATE ACTION TAKEN TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR AND CITY.
7. ALL SURVEY STAKE LAYOUT POINTS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE LAYOUT SHALL BE IMMEDIATELY REPORTED TO THE CONSULTANT.
8. ATTENTION IS DIRECTED TO THE POSSIBILITY OF EXISTING PRIVATE SPRINKLERS AND LIGHTING SYSTEMS WITHIN THE RIGHT-OF-WAY. WHICH ARE NOT SHOWN ON THE PLANS. LOCATING, WORKING AROUND, AND PROTECTING THESE SYSTEMS SHALL BE COMPLETED AT NO EXTRA COST TO THE CITY.
9. AT ALL LOCATIONS WHERE THE PROPOSED WATERMAIN CROSSES UNDER OR ABOVE THE EXISTING SEWERS OR UTILITIES, GRANULAR A BEDDING MATERIAL IS TO EXTEND FROM THE LOWER PIPE TO THE TOP OF THE UPPER PIPE. GRANULAR A TO BE COMPACTED TO MINIMUM 98% OF MAXIMUM DRY DENSITY.
10. CONTRACTOR TO PROVIDE ADEQUATE SUPPORT DURING CONSTRUCTION BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS. MAINTAIN 300 mm MINIMUM VERTICAL CLEARANCES BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS LESS THAN 300 mm IN DIAMETER. MAINTAIN 600 mm MINIMUM VERTICAL CLEARANCE BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS EQUAL TO OR GREATER THAN 300 mm IN DIAMETER.
11. ALL EXISTING WATERMANS AND SEWER PIPES LARGER THAN 300 mm DIAMETER SHALL BE SUPPORTED ACCORDING TO DRAWING T-1007.01-4.
12. ALL DIMENSIONS ARE EXPRESSED IN METRES (m) AND PIPE SIZES ARE EXPRESSED IN MILLIMETRES (mm) UNLESS OTHERWISE NOTED.

BENCH MARK AND LAYOUT INFORMATION

1. TOPOGRAPHIC INFORMATION PER J.D.BARNES LTD. DATED DECEMBER 19, 2022 - ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF TORONTO BENCH MARK NO 12319654377 ELEVATION OF = 192.172 metres.

CONTRACT INFORMATION

1. PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY THE CONTRACTOR WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE CITY'S RIGHT-OF-WAY MANAGEMENT SECTION. CONTACT 416-394-8418.

GRADING & ROAD/PAVEMENT:

1. ALL AREA GRADING AND RESULTING DRAINAGE PATTERNS SHALL NOT ADVERSELY AFFECT ADJACENT LANDS.
2. THE STORM DRAINAGE SHALL BE SELF CONTAINED WITHIN THE SUBJECT PROPERTY UNTIL IT CAN BE DISCHARGED, REUSED, INFILTRATED AND/OR EVAPOTRANSPIRED IN A MANNER ACCEPTABLE TO THE CITY.
3. MINIMUM GENERALLY ACCEPTED GRADIENT - 2.0%.
4. MAXIMUM GENERALLY ACCEPTABLE GRADIENT - 5.0%.
5. MAXIMUM ACCEPTABLE SLOPE 3 PARTS HORIZONTAL TO 1 PART VERTICAL.
6. NO ALTERATIONS TO EXISTING BOUNDARY ELEVATIONS OR ADJACENT LANDS SHALL BE UNDERTAKEN UNLESS WRITTEN AGREEMENT WITH THE ADJACENT PROPERTY OWNER IS OBTAINED AND SUBMITTED IN A FORMAT ACCEPTABLE TO THE CITY.
7. THE MINIMUM GRADIENT ON ANY DRIVEWAY SHALL BE 2.0%. THE MAXIMUM DRIVEWAY GRADIENT IS 8.0%.
8. RETAINING WALLS SHALL BE CONSTRUCTED ENTIRELY ON THE UPPER PROPERTY SO THAT THE BACKS (IF REQUIRED) DO NOT CROSS PROPERTY BOUNDARIES.
9. MAXIMUM PONDING DEPTH 0.3M.
10. PROPOSED SPOT ELEVATIONS SHOWN ARE ON ASPHALT, LANDSCAPE OR CONCRETE AREAS. UNLESS OTHERWISE NOTED TOP OF CURB ELEVATIONS ARE 0.15M ABOVE ASPHALT ELEVATIONS EXCEPT AT CURB DEPRESSIONS AND WHEEL CHAIR RAMPS.
11. WHERE NEW ASPHALT MATCHES EXISTING ASPHALT, GRIND EXISTING ASPHALT A MINIMUM OF 300MM WIDE AND 40MM DEEP FOR KEYING. APPLY HOT RUBBER SEALING COMPOUND IN ACCORDANCE WITH OPSS 1212. ALL SURFACES TO BE TACK COATED WITH SS-1.
12. THE CONCRETE CURB, CONCRETE SIDEWALK (IF APPLICABLE) AND ALL RESTORATION ALONG FRONTING ROADWAYS TO THE SITE MUST BE CONSTRUCTED AND CARRIED OUT IN ACCORDANCE WITH ALL APPLICABLE AND CURRENT CITY OF TORONTO STANDARDS. CITY OF TORONTO STANDARDS INCLUDE BUT NOT LIMITED TO: T-350.01 - URBAN ENTRANCES; T-310.010-2 - CONCRETE SIDEWALK WITH BOULEVARD; T-600.111-1 - CONCRETE CURB (BORDERING DRIVEWAY RETURN CURB AT ENTRANCES); T-600.05-1 - CONCRETE CURB AND GUTTER.
13. MINIMUM PAVEMENT REQUIREMENTS FOR DRIVEWAY ENTRANCES ARE AS PER GEOTECHNICAL RECOMMENDATION.
14. PAVEMENT STRUCTURE DESIGN AS PER GEOTECHNICAL RECOMMENDATION.
15. UNLESS INDICATED OTHERWISE, ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL BE UNDERTAKEN IN ACCORDANCE WITH CITY OF TORONTO DESIGN STANDARDS AND SPECIFICATION AND THE UNDERTAKING, ONTARIO PROVINCIAL STANDARDS MAY, SUBJECT TO THE APPROVAL OF THE CITY OF TORONTO, BE USED WHERE NO STANDARD OR SPECIFICATION IS NOTED.
16. ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND THE DRAWINGS MUST BE REPORTED TO THE CONSULTANT PRIOR TO COMMENCEMENT OF CONSTRUCTION AND APPROPRIATE ACTION TAKEN TO THE SATISFACTION OF THE CITY OF TORONTO.

17. ALL SURVEY POINTS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE LAYOUT SHALL BE REPORTED TO THE CONSULTANT AND THE CONSULTANT SHALL NOTIFY THE CITY OF THE NECESSARY CHANGES.
18. NO PORTION OF THE WORK SHALL BE CARRIED OUT WITHOUT FIRST HAVING OBTAINED APPROVED CONSTRUCTION DRAWINGS, APPROVED PROJECT SCHEDULE(S), APPROVED TRAFFIC STAGING PLANS AND PERMITS FOR SUCH PORTION OF THE INFRASTRUCTURE WORK IN ACCORDANCE WITH THE PROVISIONS HEREOF AND GIVING 10 WORKING DAYS PRIOR WRITTEN NOTICE TO THE EXECUTIVE DIRECTOR OF TECHNICAL SERVICES THAT SUCH WORK IS TO BE CARRIED OUT WITH SUCH NOTICE TO SPECIFY THE ANTICIPATED DATE OF COMMENCEMENT OF THE WORK. A PRE-CONSTRUCTION COORDINATION MEETING WITH CITY STAFF IS TO BE HELD A MINIMUM OF 5 WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY OF THE WORK.
19. THE REMOVAL OF TREES REQUIRES THE APPROVAL OF PARKS, FORESTRY & RECREATION DIVISION (CONTACT PETER DYSTRASZ, SUPERVISOR URBAN FORESTRY, 416-494-8551 - CONTACT WILL DIFFER IN DIFFERENT PARTS OF THE CITY).
20. ALL AREAS DISTURBED DURING CONSTRUCTION WITHIN THE CITY'S RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. GRASSED AREAS SHALL BE PROVIDED WITH 100MM OF TOPSOIL AND SHALL BE SODDED AS PER T.S. 5.00 & T.S. 5.10.
21. THE CONTRACTOR SHALL REFER TO THE ONTARIO TRAFFIC MANUAL BOOK 7, TEMPORARY CONDITIONS FOR TEMPORARY CONSTRUCTION SIGNAGE.
22. CONTRACTOR SHALL VERIFY AND MATCH EXISTING PAVEMENT STRUCTURE IN DEPTH AND MATERIAL. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONSULTANT PRIOR TO COMMENCEMENT OF CONSTRUCTION AND APPROPRIATE ACTION TAKEN TO THE SATISFACTION OF THE CITY OF TORONTO.
23. ANY DAMAGE TO PROPERTY ADJACENT TO THE CONSTRUCTION SITE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
24. CONCRETE SIDEWALK TO BE COMPLETE WITH 150MM GRANULAR BASE AS OUTLINE IN CITY OF TORONTO SPECIFICATION T.S. 3.70 OR AS DIRECTED BY THE CITY INSPECTOR.
25. SUITABILITY AND COMPACTION OF ALL FILL MATERIALS SHALL BE CONFIRMED BY THE GEOTECHNICAL CONSULTANT.
26. TOPSOIL AND OTHER SOILS WITH EXCESSIVE ORGANICS AND/OR WEAK SOILS SHOULD BE REMOVED AND DISPOSED OFF SITE.
27. THE EXPOSED NATURAL SUBGRADE SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL CONSULTANT.
28. THE APPROVED FILL SHOULD BE PLACE IN LAYERS NOT EXCEEDING 300MM BEFORE COMPACTION AND SHALL BE UNIFORMLY COMPACTED TO AT LEAST 100% OF THE MATERIAL'S SPMD. THIS OPERATION SHALL BE FULLY SUPERVISED BY GEOTECHNICAL PERSONNEL.
29. THE FILL SHOULD NOT BE CONSTRUCTED DURING WINTER MONTHS WHEN PERSISTENT OR INTERMITTENT FREEZING TEMPERATURES OCCUR. IF THE FILL AREAS ARE LEFT FOR A PERIOD OF TIME, A SUITABLE SOIL COVER MUST BE PROVIDED TO PREVENT FROST ACTION AND DISTURBANCE.
30. ALL CATCHBASINS TO BE FITTED WITH SEDIMENT BARRIER UNTIL COMPLETION OF WORKS AS PER CITY OF TORONTO STD.

ROAD RECONSTRUCTION

1. RECONSTRUCTION OF DRIVEWAY ENTRANCES SHALL BE ACCORDING TO T-310.050-8.
2. LIMITS OF SIDEWALK / CURB RECONSTRUCTION ARE APPROXIMATE, ACTUAL LIMITS ARE TO BE CONFIRMED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
3. CHAINAGE IS ESTABLISHED FROM THE CENTRELINE OF CONSTRUCTION AND GUTTER GRADES ARE CALCULATED ALONG THE GUTTER LINE.
4. HEIGHT OF CURB FACES MAY VARY ALONG LENGTH OF GUTTER, AS SHOWN ON PROFILE, OR TO BE CONFIRMED IN THE FIELD.
5. ADJUST ALL STRUCTURES (MAINTENANCE HOLES, CATCH BASINS, ETC.) TO SUIT NEW DESIGN ELEVATIONS INCLUDING BREAKING DOWN AND REMOVAL OF PORTION OF TOP OF STRUCTURES TO ALLOW FOR MINIMUM 150 mm ADJUSTMENTS.
6. ALL CURB SHALL BE CONSTRUCTED WITH A LEDGE AT THE BACK OF THE CURB TO FACILITATE FUTURE SIDEWALK CONSTRUCTION.
7. FULL DEPTH SAW-CUTS ARE REQUIRED AT CONSTRUCTION LIMITS OF EXISTING CURB, SIDEWALK AND PAVEMENT UNLESS OTHERWISE SHOWN.
8. SAW CUT EXISTING PAVEMENT, SIDEWALK, CURB, GUTTER, DRIVEWAYS, WALKWAYS, ETC. AT CONSTRUCTION LIMITS TO PROVIDE A CLEAN JOINT FOR THE PROPOSED WORK.
9. CONSTRUCT PEDESTRIAN SIDEWALK RAMPS WITH TACTILE WALKING SURFACE INDICATORS ACCORDING TO T-310.030-7, T-310.030-8, T-310.030-9, T-310.030-10 AND T-310.030-11.
10. EXISTING ENTRANCE RAMPS TO BE RE-INSTATED. VEHICULAR SIDEWALK RAMP SHALL BE ACCORDING TO T-310.050-1.
11. ADJUSTMENT OF APPROACHES, WALKWAYS, AND STEPS MAY BE REQUIRED. LIMITS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
12. EXISTING ASPHALT THICKNESS MAY VARY. TAPER TO MATCH EXISTING AT CONSTRUCTION LIMITS (MINIMUM 2.0 m).
13. FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED. AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
14. THE CONTRACTOR SHALL USE THE SUPERPAVE ASPHALT MIX (NEW REQUIREMENT IN 2018) OUTLINED IN THE CITY OF TORONTO MATERIAL SPECIFICATIONS LISTED BELOW:
- TS 1151 MATERIAL SPECIFICATION FOR SUPERPAVE, STONE MASTIC AND WARM MIX ASPHALT
 - TS1101 MATERIAL SPECIFICATION FOR PERFORMANCE GRADED ASPHALT CEMENT

SANITARY & STORM SEWERS

1. MAIN LINE PVC PIPE AS PER SDR-35 CSA B182-2-06 CERTIFIED ASTM D3034-04A, F699-03. SERVICE CONNECTION PVC PIPE TO BE AS PER SDR-26 CSA B182-2-06 CERTIFIED ASTM D3034-04A.
2. BEDDING FOR FLEXIBLE PIPE SHALL BE AS PER OPSD 802.010, 802.013 OR 802.014.
3. ULTRA-RIB PIPE IS NOT PERMITTED WITHIN THE MUNICIPAL RIGHT OF WAY.
4. MAINTENANCE HOLES AS PER CITY OF TORONTO STANDARD, T-701.010 (1200MM), T-701.011 (1500MM), FRAME AND COVER AS PER OPSD 401.010 TYPE A CLOSED (SANITARY) TYPE B OPEN (STORM)
5. BENCHING SHALL BE AS PER CITY OF TORONTO STANDARD T-701.021. BEDDING MATERIAL SHALL BE GRANULAR 'A'.
6. SANITARY MAINTENANCE HOLE SHALL HAVE WATERTIGHT FRAME AND COVER IN PONDING AREAS AS PER OPSD 401.030
7. REINFORCED CONCRETE PIPE SHALL BE AS PER CSA A257 2-03 (MINIMUM 65D).
8. NON-REINFORCED CONCRETE PIPE 150MM TO 250MM SHALL BE AS PER CSA A257 1-03 CLASS 3.
9. BEDDING FOR RIGID PIPE SHALL BE CLASS B AS PER OPSD 802.030, 802.031, 802.032 OR 802.033
10. SINGLE CATCHBASINS SHALL BE AS PER CITY OF TORONTO STANDARD T-705.010 COMPLETE WITH GOSS TRAP, FRAME AND COVER AS PER OPSD 400.070.
11. DOUBLE CATCHBASINS SHALL BE AS PER CITY OF TORONTO STANDARD T-705.020 COMPLETE WITH GOSS TRAP.

12. SERVICE CONNECTIONS AND UTILITY CUTS TO BE BACKFILLED WITH UNSHRINKABLE FILL.
13. CB LEADS TO BE 200MM PVC SDR-35 FOR SINGLE CATCHBASINS AND 250MM PVC SDR-35 FOR DOUBLE CATCHBASINS UNLESS OTHERWISE NOTED.
14. ALL MAN-HOLE AND CATCHBASIN EXCAVATIONS TO BE BACKFILLED WITH GRANULAR 'B' COMPACTED TO 95% PROCTOR DENSITY, OR AS DIRECTED BY THE SOILS CONSULTANT.
15. 'MODULO-C' OR APPROVED MANHOLE AND CATCHBASIN ADJUSTERS TO BE USED IN LIEU OF BRICKING.
16. SEWER TRENCHES CLOSE TO BUILDING TO BE VERTICAL AS REQUIRED, TO AVOID DISTURBING THE NATIVE EARTH AT FOUNDATION LEVEL.
17. CONTRACTOR TO SUPPLY ALL NECESSARY FITTINGS, COUPLERS, SADDLES, TEES, WYES, ETC. TO COMPLETE ALL SEWER CONNECTIONS REQUIRED. SEWER CONNECTIONS SHALL CONFORM TO CITY OF TORONTO STD. 708.03.
18. ALL EXISTING SANITARY AND STORM SERVICE CONNECTIONS AND CATCH BASIN LEADS TO BE ABANDONED. SHALL HAVE A WATERTIGHT CAP AT THE MAIN. THE SECTION OF SEWER THAT IS TO BE ABANDONED SHALL BE REMOVED AND BACKFILLED IN ACCORDANCE WITH THE TRENCH BACKFILL SPECIFICATION.
19. ADJUST TOP ELEVATIONS OF EXISTING MANHOLES, CATCHBASINS, AND VALVES AS REQUIRED.
20. ALL MAN-HOLES AND CATCHBASINS TO BE FOUNDED ON SUITABLE MATERIAL. GEOTECHNICAL CONSULTANT TO CONFIRM SUBGRADE PRIOR TO PLACING ALL MANHOLES AND CATCHBASINS.
21. CONTRACTOR TO SUPPORT EXISTING MANHOLES AND OTHER UNDERGROUND SERVICES WHEN MAKING CONNECTIONS TO EXISTING MANHOLES OR SEWERS.

EROSION AND SEDIMENT CONTROL

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING CONSTRUCTION PHASES TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED OR REPLACED WITHIN 48 HOURS OF INSPECTION.
2. ALL DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED, OR RESTORED AS THE WORK PROGRESSES.
3. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADDED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LOADING RUNOFF FROM LEAVING THE WORK AREA. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS AND A TORONTO REGION CONSERVATION AUTHORITY ENFORCEMENT OFFICE SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
4. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE AND REFUELING WILL BE CONDUCTED A MINIMUM OF 30 M FROM THE WATER.
5. ALL GRADES WITHIN THE REGULATORY FLOOD PLAN WILL BE MAINTAINED OR MATCHED.
6. SEDIMENT BARRIERS, CHECK DAMS AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
7. ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL AREA IS STABILIZED.
8. IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
9. THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
10. ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
11. CONTRACTOR WILL COMPLY WITH CITY OF TORONTO NOISE BY-LAW
12. SEDIMENT CONTROL FENCE TO BE AS PER CITY OF TORONTO STANDARD T-219.130-1.
13. ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
14. ALL TOPSOIL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING.
15. FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
16. FILTER CLOTH WILL BE PLACED ON ALL CATCHBASINS ON TANGREEN COURT & STEELS AVENUE WEST AS SEEN ON SHEET E1 AND WITHIN THE SITE LIMITS.
17. STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE DEVELOPER AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SITE AT ALL TIMES. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT CONTROL FENCE, CATCHBASIN SEDIMENT BARRIERS, SEDIMENT TRAP AND OTHER EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION, IN ACCORDANCE WITH CITY REQUIREMENTS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE SURFACE DRAINAGE TO THE SEDIMENT CONTROL STRUCTURES, FOR THE DURATION OF THE CONSTRUCTION PERIOD.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES AND STRUCTURES IN GOOD WORKING ORDER AT ALL TIMES. CONTRACTOR SHALL INSPECT SUCH DEVICES AT LEAST ONCE PER WEEK AND AFTER EACH RAINFALL EVENT GREATER THAN 10MM, AND MAKE ALL NECESSARY REPAIRS AS REQUIRED.
21. ALL SEDIMENTS SHALL BE DISPOSED OFF-SITE AS PER CITY REGULATIONS.
22. CONTRACTOR IS RESPONSIBLE FOR CLEAN UP OF MUDTRACKING ON A DAILY BASIS OR ON A MORE FREQUENT BASIS IF DIRECTED BY THE CITY OR OWNER.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND STRUCTURES ONCE SEEDING OR SODDING IS IN PLACE AND THE SITE HAS STABILIZED.

GENERAL REVIEW CONFORMANCE

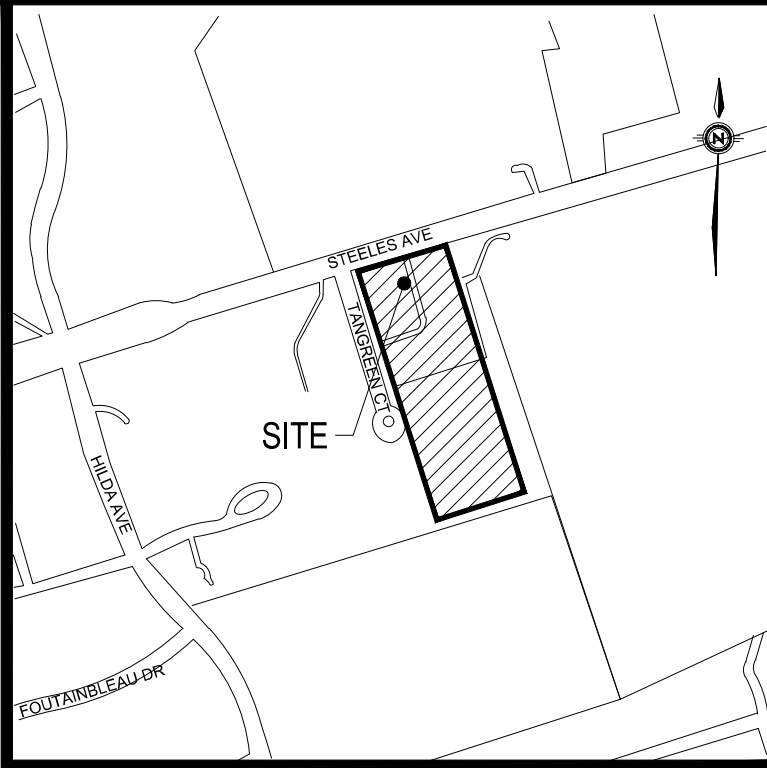
1. THE CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION UNLESS THE CONTRACT ADMINISTRATOR HAS PROVIDED REVIEW REQUIREMENTS IN WRITING NECESSARY FOR PROVISION OF GENERAL REVIEW CONFORMANCE AS REQUIRED BY THE ONTARIO BUILDING CODE. CONTRACTOR SHALL PROVIDE CONTRACT ADMINISTRATOR 72 HOURS NOTICE (3 BUSINESS DAYS) PRIOR TO COMMENCEMENT OF WORK.
2. TRAFFIC CONTROL PLAN SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE START OF WORK.

PERMITS

1. OBTAINING PERMITS ARE THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR.
2. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION. ALL PERMITS AND ASSOCIATED DRAWINGS AND CONDITIONS MUST BE ON-SITE AND AVAILABLE UPON REQUEST. THE FOLLOWING IS A LIST OF SOME PERMITS WHICH MAY BE REQUIRED:
- CITY OF TORONTO PLUMBING AND DRAIN PERMIT
 - ANY CITY OCCUPANCY PERMIT TO ENTER PUBLIC ROADS
 - STRUCTURAL ENGINEER'S CERTIFICATION OF SHOP DRAWING FOR ANY NECESSARY SHORING.

WATERMANS

1. ALL WATERMAIN SERVICE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH T-1104.01, T-1104.02-1 AND T-1104.02-2.
2. WATERMAIN AND WATERMAIN APPURTENANCES SHALL CONFORM TO CITY OF TORONTO MATERIAL / MANUFACTURER SPECIFICATIONS FOR DISTRIBUTION WATERMANS AND APPURTENANCES REVISION JUNE 2007.
3. ALL POLYVINYL CHLORIDE (PVC) PIPES, RANGING IN SIZE FROM 100 MM THROUGH 300 MM IN DIAMETER, SHALL BE CLASS 150, SDR 18 AND MANUFACTURED IN ACCORDANCE AWWA C900-07 AND TO CSA B137-3-05 AND SHALL HAVE CAST IRON OUTSIDE DIAMETER DIMENSIONS.
4. BEDDING FOR FLEXIBLE PIPE SHALL BE AS PER OPSD 802.010, 802.013 OR 802.014. BEDDING MATERIAL TO BE GRANULAR 'A'.
5. COVER REQUIRED ON WATERMAIN IS 1.7M MINIMUM.
6. PROVISIONS FOR FLUSHING THE WATER LINE PRIOR TO TESTING ETC. MUST BE PROVIDED WITH AT LEAST A 50MM OUTLET ON 100MM AND LARGER LINES AS PER T-1104.03-1. ON FIRE LINES, FLUSHING OUTLET TO BE 100MM DIAMETER MINIMUM OR A HYDRANT.
7. ALL HYDRANTS TO BE AS PER CITY OF TORONTO STANDARD T-1105.01. IT SHALL CONFORM WITH THE MATERIAL SPECIFICATIONS CONTAINED IN CITY OF TORONTO MATERIAL / MANUFACTURER SPECIFICATIONS FOR DISTRIBUTION WATERMANS AND APPURTENANCES REVISION JUNE 2007.
8. WATERMANS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED PLANS. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
9. ALL CURB AND VALVE BOXES TO BE LOCATED AT STREET LINE.
10. MECHANICAL RESTRAINTS SHALL BE INSTALLED AT ALL JOINTS BETWEEN FITTINGS, BENDS, TEES, CROSSES AND VALVES. MECHANICAL RESTRAINTS SHALL CONFORM TO THE MATERIAL SPECIFICATIONS CONTAINED IN CITY OF TORONTO MATERIAL / MANUFACTURER SPECIFICATIONS FOR DISTRIBUTION WATERMANS AND APPURTENANCES REVISION JUNE 2007.
11. ALL TEES, PLUGS, HORIZONTAL AND VERTICAL BENDS, REDUCERS AND HYDRANTS TO HAVE CONCRETE THRUST BLOCKS AS PER CITY OF TORONTO STANDARD T-1103.01, T-1103.020.
12. WATERMANS MUST FOLLOW THE MINISTRY OF THE ENVIRONMENT PROCEDURES THAT GOVERN THE SEPARATION OF SEWERS AND WATERMANS F-6-1. A MINIMUM VERTICAL CLEARANCE 0.30M OVER, 0.5M UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING. MUST ALSO MAINTAIN 2.5M HORIZONTAL SEPARATION.
13. ALL VALVES LESS THAN 400MM TO BE IN A VALVE AND BOX AS PER CITY OF TORONTO STANDARD T-1101.02-2.
14. SACRIFICIAL ANODES TO BE INSTALLED FOR ALL METAL PIPES AND APPURTENANCES, WATER SERVICES AND FITTINGS AS PER CITY OF TORONTO STANDARD T-1106.04, T-1106.05 AND T-1106.06 CONSTRUCTION SPECIFICATION T.S. 7.22 & T.S. 7.20.
15. TRACER WIRE INSTALLATION AS PER CITY OF TORONTO CONSTRUCTION SPECIFICATION T.S. 7.40.
16. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM THE EXISTING SYSTEM. FLUSHING, SWABBING AND TESTING OF WATERMAIN AS PER ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS, AS WELL AS CITY OF TORONTO SPECIFICATION TS 7.30 OR LATEST AMENDMENT.
17. AFTER PASSING THE HYDROSTATIC PRESSURE TEST AND LEAKAGE TEST, CHLORINATION CAN PROCEED. SAMPLING OF THE NEW MAINS IS TO BE DONE AT THE REQUIRED LOCATIONS PRIOR TO CONNECTING TO THE CITY WATERMAIN SYSTEM. THE TEE FITTING IS TO BE CUT INTO THE EXISTING WATERMAIN TO MAKE THE CONNECTION. TO MAINTAIN THE PRESSURE IN THE NEW MAIN DURING INSTALLATION OF SERVICE, A 50 MM BY-PASS WITH AN APPROVED PRESSURE DIFFERENTIAL BACKFLOW PREVENTER, MOUNTED ABOVE GROUND LEVEL IS TO BE INSTALLED AROUND THE CLOSED ISOLATING VALVE.
18. CITY WATER VALVES CAN ONLY BE OPERATED BY CITY STAFF.
19. ALL REMOTE READOUT UNITS WILL BE INSTALLED AS REQUIRED BY THE CURRENT WATER SUPPLY BY-LAW, CHAPTER 851 AND AS PER CITY OF TORONTO CONSTRUCTION SPECIFICATION TS 7.50.
20. BOTH THE FIRE AND DOMESTIC WATER SERVICES MUST COMPLY WITH THE CURRENT BUILDING CODE ACT, THE CURRENT WATER SUPPLY BY-LAW, CHAPTER 851 AND CSA B-64 SERIES STANDARDS.
21. WATER SERVICE VALVE AND BOX ON EACH SERVICE PER CITY OF TORONTO STANDARD DRAWING T-1101.02-2.
22. TRACER WIRE WILL BE #10 GAUGE AWG SINGLE OR SEVEN STRAND, INSULATED COPPER WIRE. SEE TS-7.40.
23. ALL DIRECT BURIED FLANGE-TO-FLANGE CONNECTIONS TO HAVE STAINLESS STEEL (PASSIVE 304) NUTS AND BOLTS.
24. ALL DIRECT BURIED VALVES AND FITTINGS TO HAVE LARGE SIZE PROTECTO-CAP (ASTM 418.1) APPLIED TO ALTERNATING BOLTS. PROVIDE SUFFICIENT BOLT LENGTH TO ACCOMMODATE CAPS.
25. FROST COLLARS ARE TO BE PROVIDED ON CURB STOPS AND VALVE BOXES, WHEN LOCATED WITHIN THE LIMITS OF THE DRIVEWAY.
26. PIPES ARE NOT TO BE LAID ON FILL UNTIL THE FIELD DENSITY TEST REPORTS HAVE BEEN SUBMITTED AND APPROVED BY THE ENGINEER.
27. FILL TO BE PLACED TO A MINIMUM OF 600MM ABOVE THE WATERMAIN GRADES AND TO 3.0M MINIMUM ON EACH SIDE PRIOR TO WATERMAIN LAYING COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR DENSITY IN 300MM LIFTS.
28. TESTS SHALL BE TAKEN ALONG CENTRELINE OF THE WATERMAIN AND ON LINES 1.50M ON EITHER SIDE OF SAME AT A MAXIMUM INTERVAL OF 30.0M. TESTS TO BE TAKEN AT EACH 600MM LIFT.
29. ALL HYDRANTS, TEES, VALVES, BENDS, PLUGS AND EACH PIPE JOINT ARE TO BE MECHANICALLY RESTRAINED.
30. PIPE JOINT DEFLECTIONS ARE NOT ALLOWED.



KEY PLAN

NTS

REINSTATEMENT

1. ALL SURFACE FEATURES SUCH AS CURBS AND SIDEWALKS DISTURBED, DAMAGED OR REMOVED DURING THE CONTRACTOR'S ACTIVITIES SHALL BE REINSTATED TO ITS ORIGINAL CONDITIONS.
2. ALL EXISTING FEATURES TO REMAIN, I.E. MANHOLE LIDS, CATCH BASINS, VALVE CHAMBER LIDS, VALVE BOXES, ETC. SHALL BE ADJUSTED TO SUIT THE FINISHED ELEVATIONS.
3. MECHANICAL RESTRAINTS SHALL BE INSTALLED AT ALL JOINTS BETWEEN FITTINGS, BENDS, TEES, CROSSES AND VALVES. MECHANICAL RESTRAINTS SHALL CONFORM TO THE MATERIAL SPECIFICATIONS CONTAINED IN CITY OF TORONTO MATERIAL / MANUFACTURER SPECIFICATIONS FOR DISTRIBUTION WATERMANS AND APPURTENANCES REVISION JUNE 2007.
4. ALL TEES, PLUGS, HORIZONTAL AND VERTICAL BENDS, REDUCERS AND HYDRANTS TO HAVE CONCRETE THRUST BLOCKS AS PER CITY OF TORONTO STANDARD T-1103.01, T-1103.020.
5. WATERMANS MUST FOLLOW THE MINISTRY OF THE ENVIRONMENT PROCEDURES THAT GOVERN THE SEPARATION OF SEWERS AND WATERMANS F-6-1. A MINIMUM VERTICAL CLEARANCE 0.30M OVER, 0.5M UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING. MUST ALSO MAINTAIN 2.5M HORIZONTAL SEPARATION.
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SEWER CONNECTIONS WITHIN CITY R.O.W.

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF TORONTO DESIGN STANDARDS. ALL PAVED AREAS SHALL BE RESTORED AS PER CURRENT CITY OF TORONTO STANDARDS.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES ON THE SITE AND MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB, REPORTING ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ANY DAMAGES CAUSED TO EXISTING SERVICES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. PAVEMENT MUST BE SAW CUT.
4. TRENCH MUST BE DONE BY BOX TYPE OR CLOSE SHORE METHOD.
5. ROAD TO BE RESTORED AS PER THE FOLLOWING:
- A) ALL TRENCHES SHALL BE BACKFILLED WITH NON-SHRINK BACKFILL.
 - B) PAVEMENT SHALL BE RESTORED TO THE ORIGINAL STATE AS PER THE CURRENT CITY OF TORONTO SPECIFICATIONS.
6. ONLY ONE LANE OF A TWO LANE ROAD CAN BE CLOSED TO TRAFFIC DURING CONSTRUCTION.
7. ALL EXCESS EARTH AND MATERIALS SHALL BE REMOVED FROM THE ROAD ALLOWANCES AND SHALL BE HAULED AWAY WITH NO EXPENSE TO THE CITY OR OWNER.
8. SEWER CROSSINGS PER CITY STD. T-1007.01-7.

LIST OF DRAWINGS
SS1 - SITE SERVICING PLAN
SG1 - SITE GRADING PLAN - PHASE 1&3
SG2 - SITE GRADING PLAN - PHASE 2
CS1 - CROSS SECTIONS
CS2 - CROSS SECTIONS
CS3 - CROSS SECTIONS
EC1 - EROSION CONTROL PLAN
NT1 - GENERAL NOTES
DD1 - DETAILS PLAN

CAPEFIT 2
LIMITED
PARTNERSHIP

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No. DATE REVISIONS INITIAL SIGNED



ENGINEERING AND CONSTRUCTION SERVICES
Engineering Review, Development Engineering - Toronto and North York

ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS.
THIS ACCEPTANCE IS NOT CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

MANAGER, DEVELOPMENT ENGINEERING
CITY OF TORONTO

DATE

5 & 15 TANGREEN COURT
CITY OF TORONTO
MIXED-USE RESIDENTIAL DEVELOPMENT

GENERAL NOTES

DESIGN: L.Z. DRAFTING: L.Z. CHECK: M.K. CONTRACT NO. PROJECT NUMBER: 221-13290 DRAWING NUMBER: NT1

