ABBOTT'S RUN BLOCK 13 SITE PLAN

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4	01	2025-06-20	Private Street 1	STA. 0+-10.000 TO STA. 0+75.216
5	01	2025-06-20	Private Street 1	STA. 0+75.216 TO STA. 0+189.408
6	01	2025-06-20	Private Street 1	STA. 0+189.408 TO STA. 0+275.855
7	01	2025-06-20	Servicing Block 2	STA. 0+-10.000 TO STA. 0+84.534
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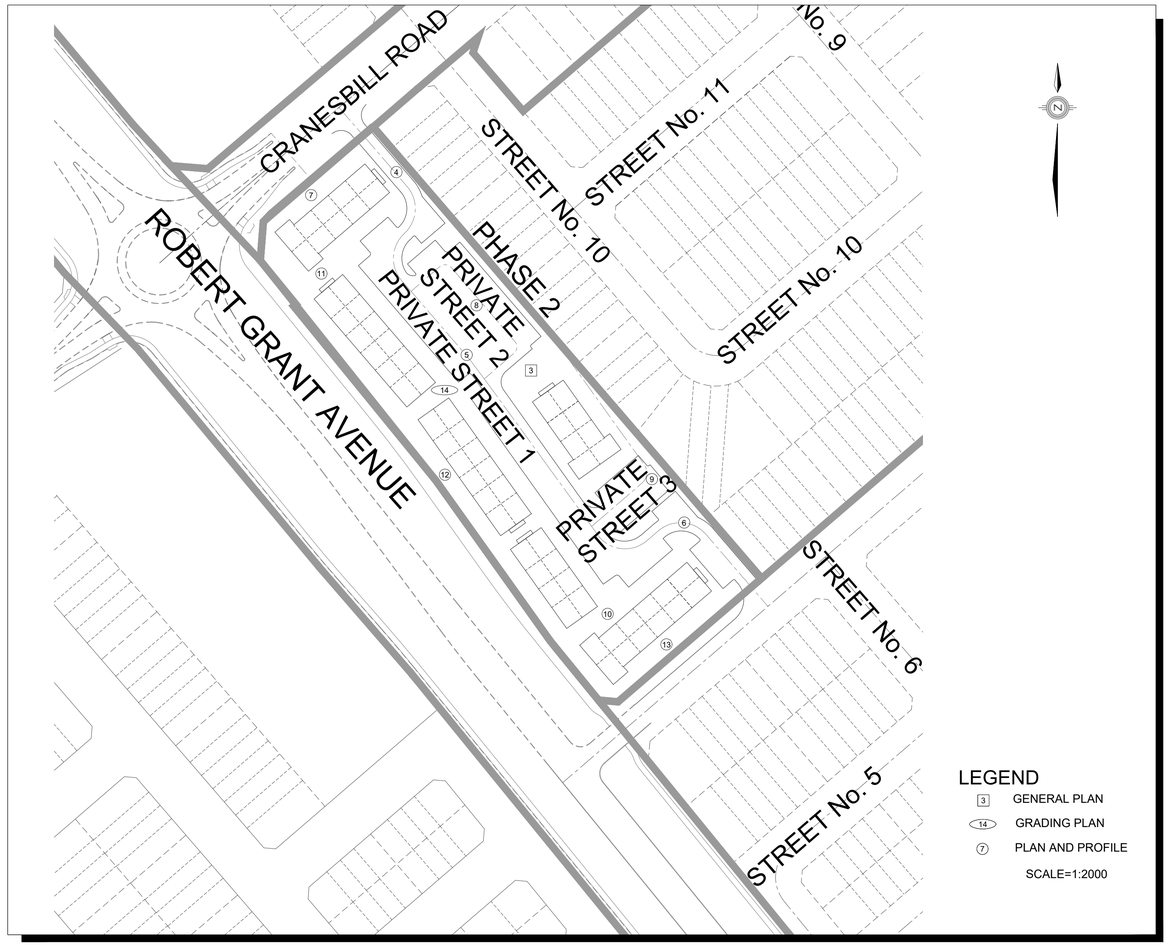

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PROJECT No. 24-1403

CITY OF OTTAWA

MINTO GROUP

CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____

GENERAL NOTES:

1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), AS AMENDED BY THE CITY OF OTTAWA.
2. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE SITE AND ADJACENT WORK AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
3. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
4. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE.
5. RELOCATION OF EXISTING SERVICES AND/OR UTILITIES SHALL BE AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE DEVELOPER.
6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "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.
7. ALL CONSTRUCTION SIGNING MUST CONFORM TO THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST AMENDMENT).
8. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
9. THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
10. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE DIRECTOR OF ENGINEERING HAS BEEN OBTAINED.
11. ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS, SHALL BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH, AS SPECIFIED BY OPSD, IS EXCEEDED.
13. ALL PIPE / CULVERT / SECTION SIZES REFER TO INSIDE DIMENSIONS.
14. SHOULD DEEPLY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATELY.
15. STREET LIGHTING TO CITY OF OTTAWA STANDARDS.
16. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
17. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
18. THE CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING NO. S8. THE SEALS SHOULD BE AT LEAST 1.5m LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. GENERALLY, THE SEALS SHOULD EXTEND FROM THE FROST LINE AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 225mm THICK LOOSE LAYERS COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S SPMDD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES.
19. ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT PG6165-1, REVISION 1, DATED OCTOBER 7, 2022, PREPARED BY PATERSON GROUP INC.
20. SLEEVES SHALL BE USED FOR HOUSE CONNECTIONS INSTALLED UNDER GARAGES. HOUSE CONNECTIONS UNDER GARAGES ARE ON AN EXCEPTION BASIS ONLY.

STORM NOTES:

1. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2 (LATEST AMENDMENT). ALL NON-REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.1 (LATEST AMENDMENT). PIPE SHALL BE JOINTED WITH STD. RUBBER GASKETS AS PER CSA A257.3 (LATEST AMENDMENT).
2. ALL STORM SEWER TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S6 AND S7 CLASS 'B' UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
4. ALL STORM LATERALS SHALL BE PVC SDR 28, WHITE IN COLOR AND MARKED WITH A 50mm x 100mm WOODEN MARKER EXTENDING FROM THE INVERT TO 1.0m ABOVE GRADE PAINTED GREEN. HOUSE CONNECTIONS SHALL BE 2.0 m MIN. BELOW FINISHED GRADE AT STREET LINE WHERE POSSIBLE. SINGLE CONNECTIONS SHALL BE 100mm DIA..
5. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24.1 AND S25.
6. SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
7. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
8. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SUMP. FOR STORM SEWERS 900mm AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701.021.
9. SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S1. AND OPSD 705.020, RESPECTIVELY. FRAMES AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. S19.1 FOR REAR LOT CATCHBASINS AND STREET CATCHBASINS.
10. CURB INLET TYPE CATCH BASIN (CICB) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S3. FRAME AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. S22 AND S23, UNLESS OTHERWISE NOTED.
11. SINGLE AND DOUBLE CATCHBASIN LEADS SHALL BE 200mm AND 250mm DIA (MIN.), RESPECTIVELY, AT 1.0% SLOPE (MIN.) UNLESS OTHERWISE NOTED. CB LEAD OUT INVERT TO BE SET 1.38m BELOW TOP OF GRATE ELEVATION UNLESS OTHERWISE NOTED.
12. ALL STREET CATCHBASINS/CATCHBASIN MANHOLES SHALL HAVE 600mm SUMPS, AND ALL REAR YARD CATCHBASINS (OPSD 705.010) SHALL HAVE 300mm SUMPS UNLESS OTHERWISE NOTED. REAR YARD LANDSCAPE CATCHBASINS TO BE SUMPLESS.
13. CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED AT THE LOW POINT OF SAG CURB WORKS.
14. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED ABOVE. WHERE THE SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADDITIONAL BEDDING, A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE STRENGTH AT HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS MADE NECESSARY BY THE WIDENED TRENCH.
15. THE MINIMUM DIAMETER FOR REAR LOT PERFORATED PIPE IS 250mm, REFER TO CITY STD. S29 FOR DETAIL, UNLESS OTHERWISE NOTED.
16. FOR TWO OR MORE REAR LOT CATCH BASINS CONNECTED IN SERIES, THE LEAD FROM THE LAST REAR LOT CB TO THE STORM SEWER SHALL BE SOLID PIPE.

SANITARY NOTES:

1. ALL SANITARY SEWER INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS) AS AMENDED BY THE CITY OF OTTAWA.
2. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IPEX "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD. S6 AND S7, CLASS 'B' BEDDING UNLESS OTHERWISE NOTED.BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
4. ALL SANITARY LATERALS ARE TO BE PVC SDR 28, IPEX "RING-TITE" (OR EQUIVALENT), AND MARKED WITH A 50mm x 100mm WOODEN MARKER, EXTENDING FROM THE INVERT TO 1.0 m ABOVE GRADE PAINTED RED. HOUSE CONNECTIONS SHALL BE 2.75m BELOW FINISHED GRADE AT STREET LINE WHERE POSSIBLE. SINGLE CONNECTIONS SHALL BE 135mm DIA.
5. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24 AND S25.
6. SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02.
7. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
8. SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021.
9. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24 AND S25, EXCEPT FOR WHERE IN PONDING AREAS, WHERE WATERTIGHT FRAME AND COVERS SHALL BE EAST JORDAN CAMPRESSION 41420049W01 AS PER CITY OF OTTAWA MS-22.15 (OR APPROVED EQUIVALENT)

WATER NOTES:

1. ALL WATERMAIN INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS) AS AMENDED BY THE CITY OF OTTAWA.
2. ALL PVC WATERMAINS SHALL BE EQUAL TO AWWA C-900 CLASS 150, SDR 18.
3. WATERMAIN TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W17, UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
4. ALL PVC WATERMAINS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W36.
5. WATER SERVICES ARE TO BE TYPE K SOFT COPPER OR PEX AS PER CITY OF OTTAWA STD. W26 UNLESS OTHERWISE SPECIFIED. SINGLE SERVICES SHALL BE 19mm DIA.. 50mm DIA. COPPER SHALL BE USED FOR PARK SERVICES. WATER SERVICES SHALL BE MARKED WITH A "50mm x 100mm", EXTENDING FROM THE INVERT TO 1.0m ABOVE GRADE PAINTED BLUE. CURB STOPS SHALL BE INSTALLED AT THE PROPERTY LINE.
6. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W42.
7. CONTRACTOR TO SUPPLY HYDRANT EXTENSION TO ADJUST THE LENGTH OF HYDRANT BARREL AS REQUIRED TO ENSURE FLANGE IS ABOVE FINISHED GRADE PER CITY STD W19.
8. FIRE HYDRANTS SHALL BE INSTALLED AS PER CITY OF OTTAWA STD. W19, AND LOCATED AS PER CITY STD. W18.
9. VALVE IN BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA STD. W24.
10. 50mm DIAMETER WATERMAINS SHALL BE TYPE 'K' COPPER TUBING. WATERMAIN INSTALLATION IN CUL-DE-SAC TO BE INSTALLED AS PER CITY OF OTTAWA STD.W37
11. WATERMAIN IN FILL AREAS TO BE INSTALLED WITH RESTRAINED JOINTS AS PER CITY OF OTTAWA STD. W25.5 AND W25.6.
12. THRUST BLOCKING OF WATERMAIN TO BE INSTALLED AS PER CITY OF OTTAWA STD. W25.3 AND W25.4.
13. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR TESTING AND DISINFECTION OF THE WATERMAIN.
14. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHOULD BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAIN COVER IS LESS THAN 2.4m.
15. WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 1.2m, WATER SERVICES ARE TO BE INSULATED AS PER CITY STD. W23.
16. AS PER MECP GUIDELINES, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.50m. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTRED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.
17. FOR FIRE HYDRANT LATERALS WITH DEPTH OF 2.4m OR LESS, THERMAL INSULATION SHALL BE APPLIED AS PER CITY STANDARD DRAWING W23.
18. CATCH BASIN LEADS CROSSING ABOVE WATERMAINS SHALL HAVE A MINIMUM CLEARANCE OF 0.50m.
19. MINIMUM HORIZONTAL DISTANCE BETWEEN WATERMAINS AND SEWERS IS 2.5M (BARREL TO BARREL)

ROADWORK NOTES:

1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (BARRIER CURB) AND SC1.3 (MOUNTABLE CURB). PROVISION SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS AND DRIVEWAYS.
3. ROAD SUBDRAINS SHALL BE REFERENCE TO R1, AS SUGGESTED IN RG4683-2, SUBDRAIN INVERTS TO BE APPROXIMATELY 300mm BELOW SUBGRADE LEVEL
4. CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC3 AND SC1.4.
5. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD-509.010, OPSS 310.
6. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
7. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
8. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.
9. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300 mm LIFTS.
10. PEDESTRIAN CURB RAMP WITH BOULEVARD SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC7.
11. PAVEMENT DESIGN TYPE

ACCESS LANES & HEAVY DUTY TRUCK PARKING
- 40mm SUPERPAVE 12.5 ASPHALTIC CONCRETE
- 50mm SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 150mm OPSS GRANULAR A CRUSHED STONE
- 450mm OPSS GRANULAR B TYPE II
- SUBGRADE

DRIVEWAYS AND PARKING AREAS
- 50mm HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
- 150mm OPSS GRANULAR A CRUSHED STONE
- 300mm GRANULAR B TYPE II
- SUBGRADE

GRADING NOTES:

1. A FLAT AREA HAVING A WIDTH OF 0.6m SHALL BE PROVIDED AT THE BOUNDARY LIMITS ADJACENT DEVELOPED PROPERTIES IN ORDER THAT THE EXISTING BOUNDARY ELEVATIONS SHALL BE MAINTAINED.
2. ALL ROOF DOWNSPOUTS SHALL DISCHARGE TO THE GROUND ONTO SPLASH PADS AND SHALL NOT BE CONNECTED TO THE STORM SEWER, OR THE BUILDING FOUNDATION DRAIN.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS." THE GENERAL CONTRACTOR SHALL BE DESIGNATED AS THE CONSTRUCTOR AS DEFINED IN THE ACT.
4. PRIOR TO THE COMMENCEMENT OF THE SITE GRADING WORKS, ALL SILTATION CONTROL DEVICES SHALL BE INSTALLED AND OPERATIONAL. THE CONTRACTOR SHALL MAINTAIN ALL WORKS UNTIL SERVICING CONSTRUCTION IS COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
5. ALL SWALES SHALL BE 0.15m DEEP WITH 3:1 SIDE SLOPES UNLESS OTHERWISE INDICATED. THE MINIMUM LONGITUDINAL SLOPE IS 1% AND 1.5% WITH INSTALLATION OF SUBDRAIN OR WITHOUT, RESPECTIVELY.
6. TOP OF GRATE (T/G) ELEVATIONS FOR ALL STREET CATCHBASINS SHOWN ON PLANS, REFER TO THE ELEVATIONS AT GUTTER OR EDGE OF PAVEMENT, WHERE APPLICABLE.

EROSION AND SEDIMENT CONTROL NOTES:

1. PRIOR TO TOPSOIL STRIPPING, EARTHWORKS, OR UNDERGROUND CONSTRUCTION, EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
2. SEDIMENT CONTROL FENCE SHALL BE CLEANED AND MAINTAINED IN GOOD REPAIR BY CONTRACTOR.
3. SEDIMENT CONTROL FENCE TO REMAIN IN PLACE UNTIL THE WORKING AREA HAS BEEN STABILIZED AND REVEGETATED.
4. ACCUMULATED SEDIMENT TO BE REMOVED OFF SITE PRIOR TO THE REMOVAL OF SEDIMENT CONTROL FENCE.
5. CONTRACTOR TO INSTALL AND MAINTAIN MUD MAT AT CONSTRUCTION ACCESS IN ORDER TO PREVENT MUD TRACKING ONTO ADJACENT ROADS. MUD MAT TO BE MINIMUM 30m LONG AND 10.0m WIDE AND SHALL CONSIST OF 0.3m OF 50mm CLEAR STONE.

SPILLS CONTROL NOTES:

1. ALL CONSTRUCTION EQUIPMENT SHALL BE REFUELED, MAINTAINED AND STORED NO LESS THAN 30 METERS FROM THE WATERCOURSES, STREAMS, CREEKS, WOODLOTS AND ANY ENVIRONMENTALLY SENSITIVE AREAS, OR AS OTHERWISE SPECIFIED.
2. THE CONTRACTOR MUST IMPLEMENT ALL NECESSARY MEASURES IN ORDER TO PREVENT LEAKS, DISCHARGES OR SPILLS OF POLLUTANTS, DELETERIOUS MATERIALS, OR OTHER SUCH MATERIALS OR SUBSTANCES WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT.
3. IN THE EVENT OF A LEAK, DISCHARGE OR SPILL OF A POLLUTANT, DELETERIOUS MATERIAL OR OTHER SUCH MATERIAL OR SUBSTANCE WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT, THE CONTRACTOR SHALL:

a) IMMEDIATELY NOTIFY THE APPROPRIATE FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT MINISTRIES, DEPARTMENTS, AGENCIES AND AUTHORITIES OF THE INCIDENT IN ACCORDANCE WITH ALL CURRENT LAWS, LEGISLATION, ACTS, BY-LAWS, PERMITS, APPROVALS, ETC.
b) TAKE IMMEDIATE MEASURES TO CONTAIN THE MATERIAL OR SUBSTANCE, AND TO TAKE SUCH MEASURES AS THEY DEEM APPROPRIATE TO MITIGATE AGAINST THE ANY ADVERSE IMPACTS TO THE NATURAL ENVIRONMENT.
c) THE CONTRACT SHALL RESTORE THE AFFECTED AREA TO ORIGINAL CONDITION OR BETTER, ALL TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.

GEOTECHNICAL REPORT/MEMO:

REFER TO:

- GEOTECHNICAL INVESTIGATION REPORT NO. PG6165-1, REVISION 1, DATED OCTOBER 7, 2022, PREPARED BY PATERSON GROUP INC.

INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN INTERPOLATED FROM THE GEOTECHNICAL REPORTS AND ACCURACY IS NOT GUARANTEED. CONTRACTORS ARE ADVISED TO READ THE GEOTECHNICAL REPORTS AND ASSUME THEIR OWN CONCLUSIONS.

LEGEND

WATERMAIN

CROSS
45° BEND
LATERAL
HYDRANT, VALVE & VB
TEE
VALVE & VC
VALVE & VB
22.5° BEND
11.25° BEND
REDUCER
CAP

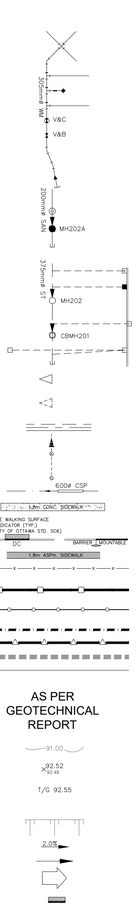
SANITARY

WATERTIGHT MAINTENANCE HOLE
MAINTENANCE HOLE
CAP

STORM

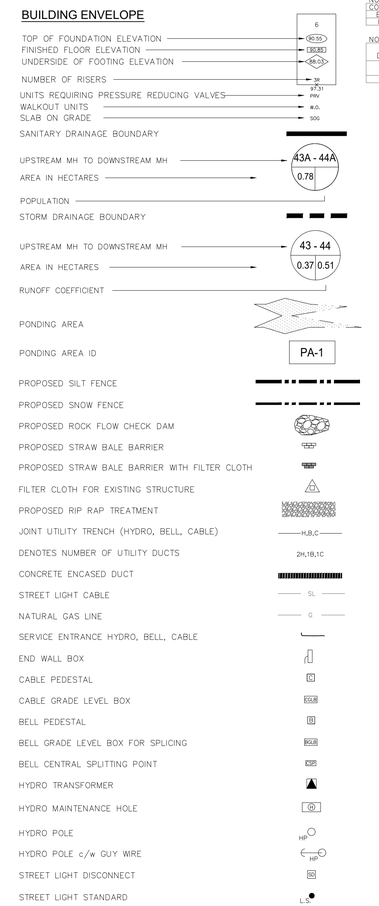
STREET CATCHBASIN & LEAD
STREET CATCHBASIN
WITH CLOSED LID & LEAD
MAINTENANCE HOLE
CURB INLET CATCHBASIN & LEAD
CATCHBASIN/ MAINTENANCE HOLE
INTERCONNECTED CATCH BASIN & LEADS
CAP
SINGLE SERVICE LOCATION (ST, SAN & WM)
SINGLE SERVICE LOCATION (SAN & WM)
SINGLE SERVICE LOCATION (ST, SAN & WM)
TEE CATCHBASIN
PERFORATED PIPE
ELBOW CATCHBASIN
DITCH AND CULVERT
CONCRETE SIDEWALK
CURB & DEPRESSED CURB
ASPHALT SIDEWALK
CHAINLINK FENCE (1.5m UNLESS OTHERWISE NOTED)
NOISE BARRIER (3.0m UNLESS OTHERWISE NOTED)
DECORATIVE FENCE (SEE LANDSCAPE DRAWINGS FOR DETAIL)
WOOD PRIVACY BARRIER
POST AND RAIL FENCE
PHASING LIMITS
PROPERTY BOUNDARY
BOREHOLE (BH)
TEST PIT (TP)
AUGER HOLE (AH)
MONITORING WELL LOCATION
CONCEPTUAL WELL LOCATION
CONTOUR
PROPOSED ELEVATION
EXISTING ELEVATION
TOP OF GRATE ELEVATION
PROPOSED TERRACING
SURFACE SLOPE
FLOW DIRECTION
MAJOR OVERLAND FLOW DIRECTION
TACTILE WALKING SURFACE INDICATOR (AS PER CITY OF OTTAWA STD. SC6)

AS PER GEOTECHNICAL REPORT

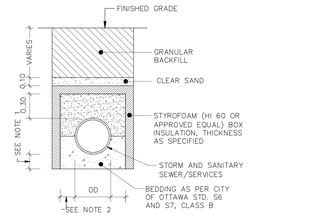


BUILDING ENVELOPE

TOP OF FOUNDATION ELEVATION
FINISHED FLOOR ELEVATION
UNDERSIDE OF FOOTING ELEVATION
NUMBER OF RISERS
UNITS REQUIRING PRESSURE REDUCING VALVES
WALKOUT UNITS
SLAB ON GRADE
SANITARY DRAINAGE BOUNDARY
UPSTREAM MH TO DOWNSTREAM MH
AREA IN HECTARES
POPULATION
STORM DRAINAGE BOUNDARY
UPSTREAM MH TO DOWNSTREAM MH
AREA IN HECTARES
RUNOFF COEFFICIENT
PONDING AREA
PONDING AREA ID
PROPOSED SILT FENCE
PROPOSED SNOW FENCE
PROPOSED ROCK FLOW CHECK DAM
PROPOSED STRAW BALE BARRIER
PROPOSED STRAW BALE BARRIER WITH FILTER CLOTH
FILTER CLOTH FOR EXISTING STRUCTURE
PROPOSED RIP RAP TREATMENT
JOINT UTILITY TRENCH (HYDRO, BELL, CABLE)
DENOTES NUMBER OF UTILITY DUCTS
CONCRETE ENCASED DUCT
STREET LIGHT CABLE
NATURAL GAS LINE
SERVICE ENTRANCE HYDRO, BELL, CABLE
END WALL BOX
CABLE PEDESTAL
CABLE GRADE LEVEL BOX
BELL PEDESTAL
BELL GRADE LEVEL BOX FOR SPLICING
BELL CENTRAL SPLITTING POINT
HYDRO TRANSFORMER
HYDRO MAINTENANCE HOLE
HYDRO POLE
HYDRO POLE c/w GUY WIRE
STREET LIGHT DISCONNECT
STREET LIGHT STANDARD
COMMUNITY MAILBOX
BUS STOP LOCATION c/w ASPHALT BOULEVARD
TREE



CITY OF OTTAWA									
SEWER AND WATERMAIN INSULATION									
CALCULATION OF THICKNESS OF INSULATION									
Depth (m)	Ti	Using Ti							
(m)	(mm)	(mm)	As per City Standard (W22):						
1.05	113	125			Ti=	(2400 - H)			
1.10	108	125				12			
1.15	104	125							
1.20	100	100							
1.25	96	100							
1.30	92	100	where:	Ti =	Thickness of Insulation (mm). 50mm min.				
1.35	88	100		H =	H Depth of Cover above OD (mm)				
1.40	83	100							
1.45	79	100							
1.50	75	75							
1.55	71	75							
1.60	67	75							
1.65	63	75							
1.70	58	75							
1.75	54	75							
1.80	50	50							
1.85	46	50							
1.90	42	50							
1.95	38	50							
2.00	33	50							
2.05	29	50							
2.10	25	50							
2.15	21	50							
2.20	17	50							
2.25	13	50							
2.30	8	50							



NOTE 1: CONDITION	SEWER	SERVICES
EARTH	0.15m	0.15m
ROCK	0.30m	0.15m

NOTE 2: PIPE INSIDE DIAMETER (mm)	CLEARANCE (mm)
900 OR LESS	CONC 450 PVC 450
OVER 900	500

THERMAL INSULATION FOR STORM AND SANITARY SEWER/SERVICES IN SHALLOW TRENCHES

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. BM88U502.

ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

NOT FOR CONSTRUCTION

CITY OF OTTAWA

PROJECT No. 1295_Block13

S. L. MERRICK 100186523 PROVINCE OF ONTARIO 2025-06-20

Minto Group

ABBOTT'S RUN

BLOCK 13

DSEL
120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
Tel. (613) 836-0856
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www.DSEL.ca

GENERAL NOTES

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	1 OF 19
SCALE:	DATE: JUNE 2025	

CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____

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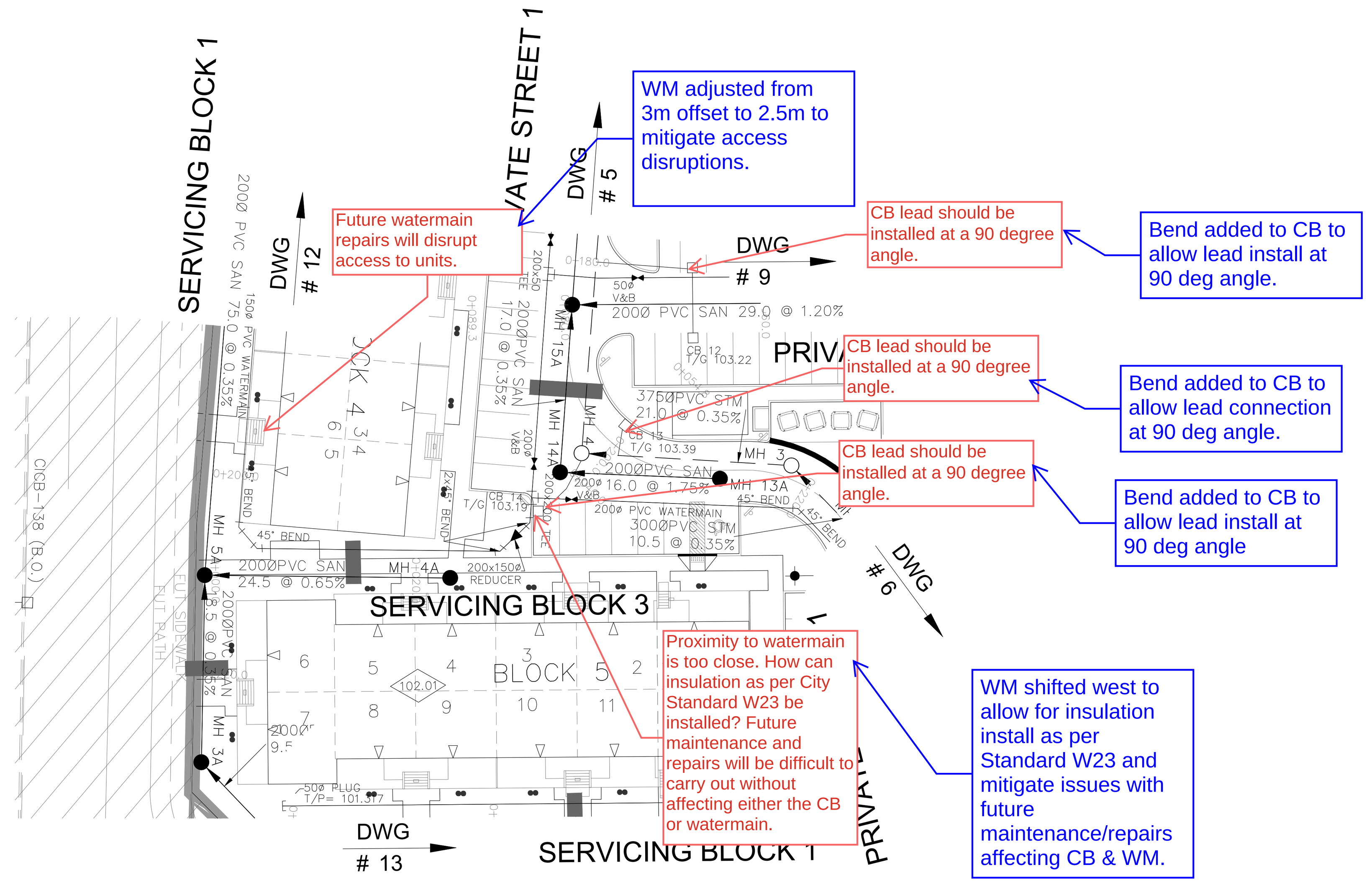

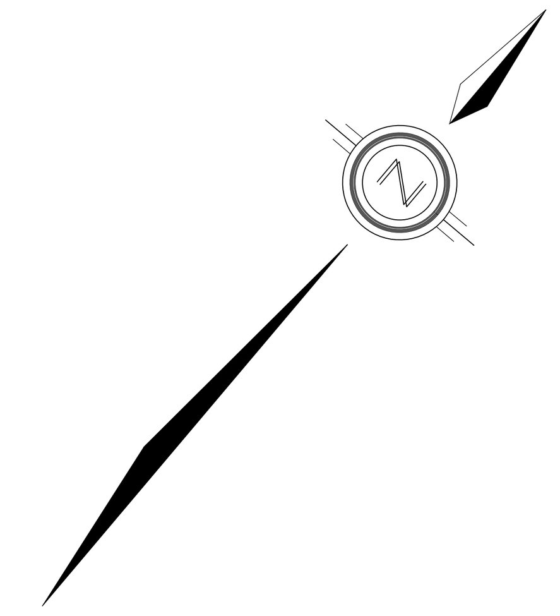

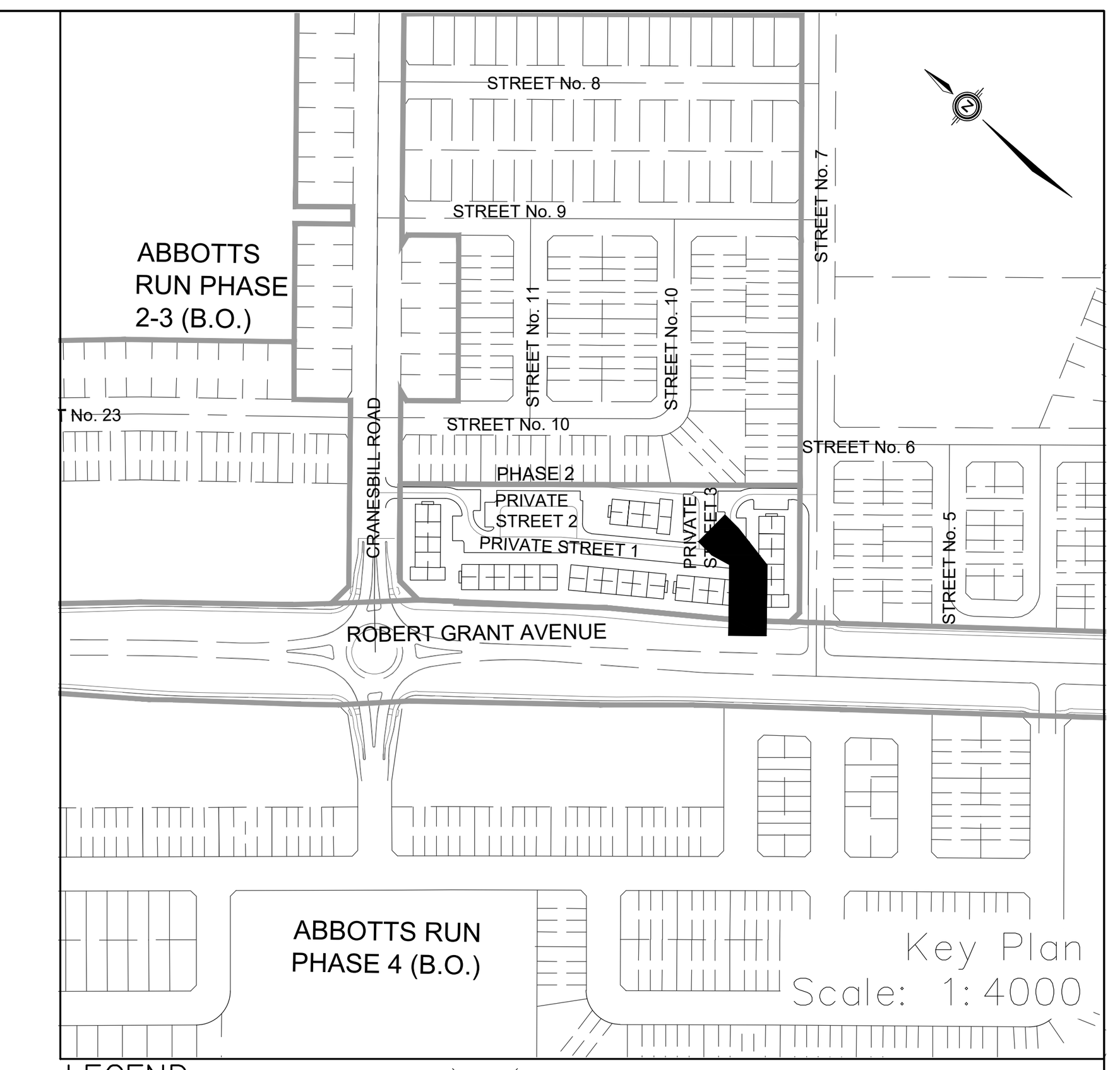

LEGEND

CROSS
45° BEND
LATERAL
HYDRANT, VALVE & VB
TEE
VALVE & VC
VALVE & VB
22.5° BEND
11.25° BEND
REDUCER
CAP
SANITARY MAINTENANCE HOLE
CAP
STREET CATCHBASIN & LEAD
STREET CATCHBASIN WITH CLOSED LID & LEAD
STORM MAINTENANCE HOLE
CURB INLET CATCHBASIN & LEAD
CATCHBASIN/ MAINTENANCE HOLE
INTERCONNECTED CATCH BASIN & LEADS
CAP
CURB STOP
SINGLE SERVICE LOCATION (ST, SAN & WM)
TEE CATCHBASIN
PERFORATED PIPE
ELBOW CATCHBASIN
DITCH AND CULVERT
HYDRO TRANSFORMER
RETAINING WALL (SEE NOTES ON DWG. 1 AND STRUCTURAL DWG'S FOR DETAIL)
SINGLE SERVICE LOCATION (ST, SAN & WM)

STREET LIGHT STANDARD
CONCRETE SIDEWALK
CURB & DEPRESSED CURB
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CHAINLINK FENCE (1.5m UNLESS OTHERWISE NOTED)
NOISE BARRIER (2.2m)
WOODEN POST AND RAIL FENCE
CONSTRUCTION FENCE
POST AND RAIL FENCE
PHASING LIMITS
PROPERTY BOUNDARY
BOREHOLE (BH)
TEST PIT (TP)
AUGER HOLE (AH)
MONITORING WELL LOCATION
CONCEPTUAL WELL LOCATION
AS PER GEOTECHNICAL REPORT
UNDERSIDE OF FOOTING ELEVATION
NUMBER OF RISERS
UNITS REQUIRING PRESSURE REDUCING VALVES
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SLAB ON GRADE
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EXTERNAL OVERLAND FLOW DIRECTION
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PREVIOUS PHASES
EXISTING SANITARY MAINTENANCE HOLE
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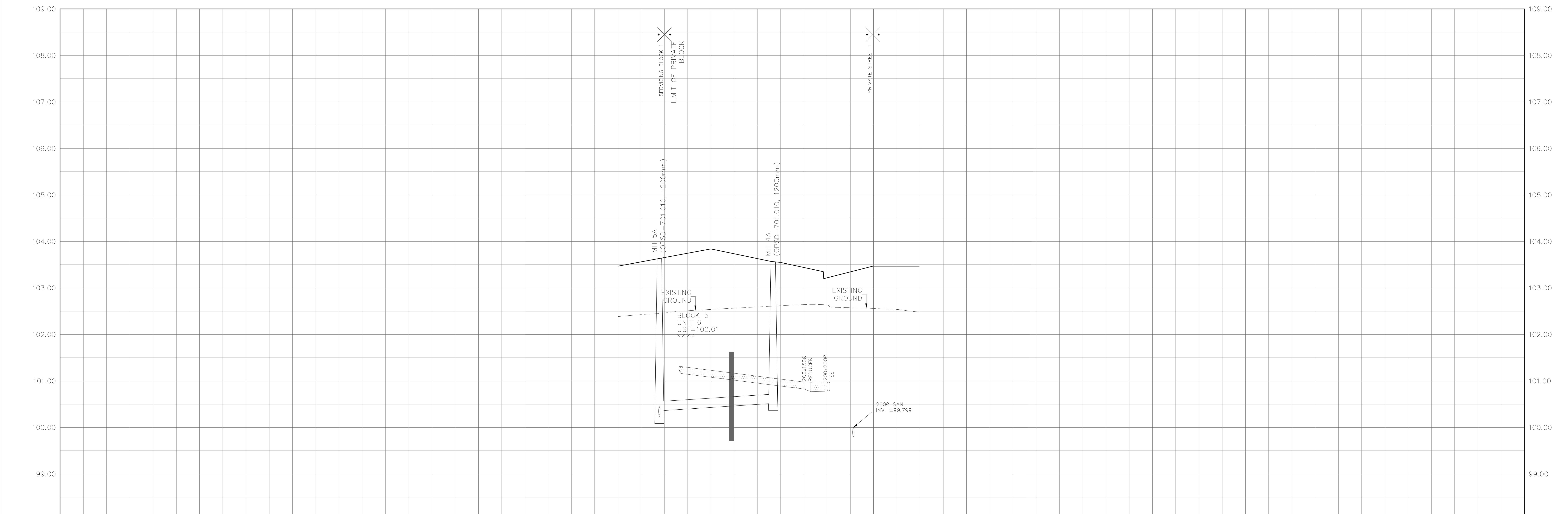

TOP OF WATERMAIN	101.314; 101.314 / 101.304; 101.104; 200x150Ø REDUCER 100.968; 100.976; 200x200Ø TEE 100.981
SANITARY INVERT	NW 100.236; SE 100.266; NE 100.358; 200Ø PVC SAN 24.5 @ 0.65% SDR–35; SW 100.517
STORM INVERT	
PROPOSED GRADES	102.465; 102.609
CENTERLINE CHAINAGE	0+000.000; 0+003.343; 0+004.127; 0+020.000; 0+027.485; 0+029.279; 0+030.74; 0+033.399; 0+035.305; 0+040.000; 0+044.839; 0+053.708; 0+054.839; 0+060.000

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942–22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

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CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO
JOB# 22-1295 - BLK13

Minto Group

ABBOTT'S RUN
BLOCK 13

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Servicing Block 3

STA. 0+-10.000 TO STA. 0+54.839

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DESIGNED BY: E.D.	CHECKED BY: S.L.M.	10 OF 19
SCALE: H=1:500 / V=1:50	DATE: JUNE 2025	

CITY FILE No. _D07-XX-XX-XXXX______ CITY PLAN No.XXXXXXX_ ZBLA FILE No. _XXXXXXX______

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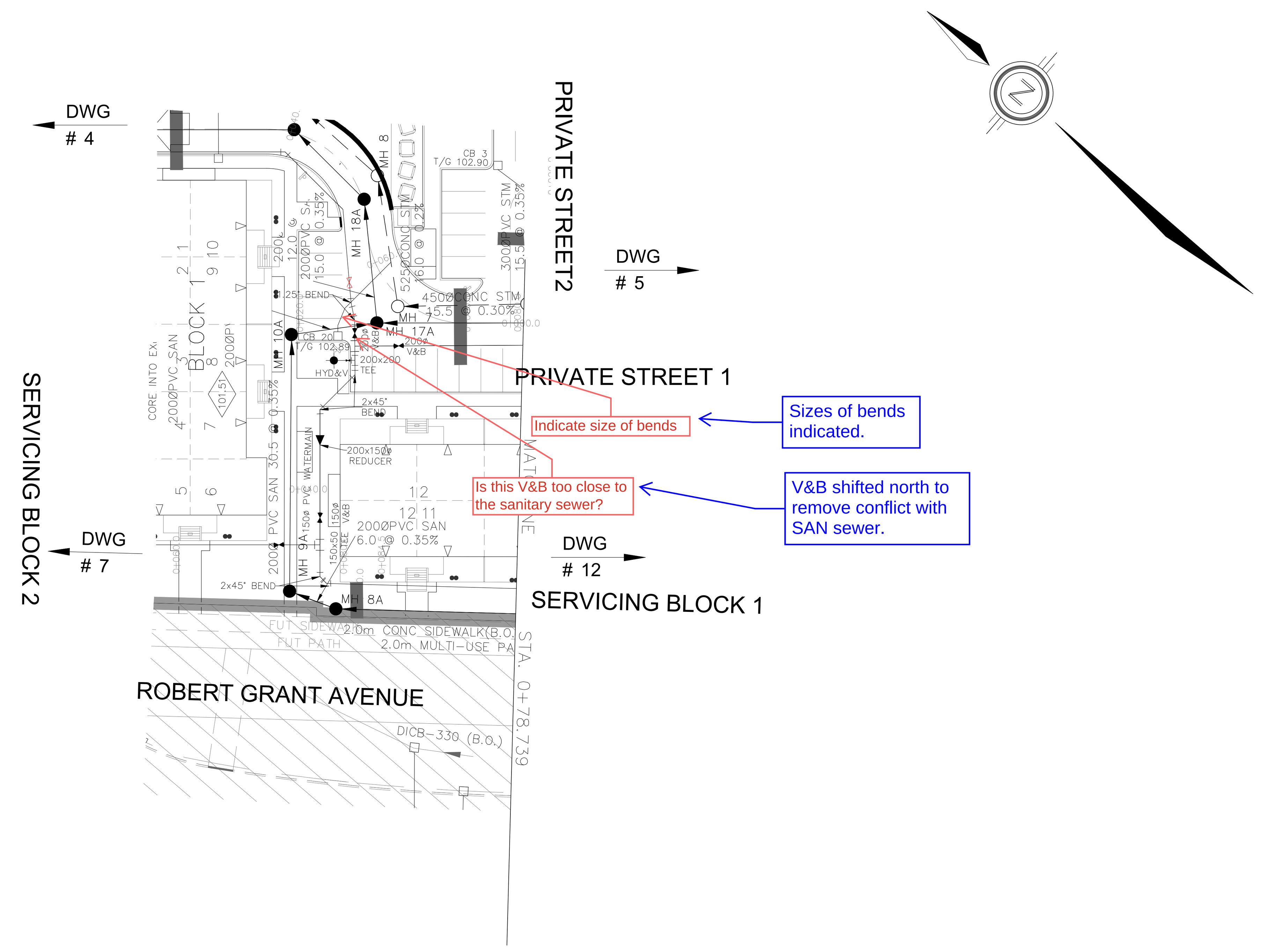

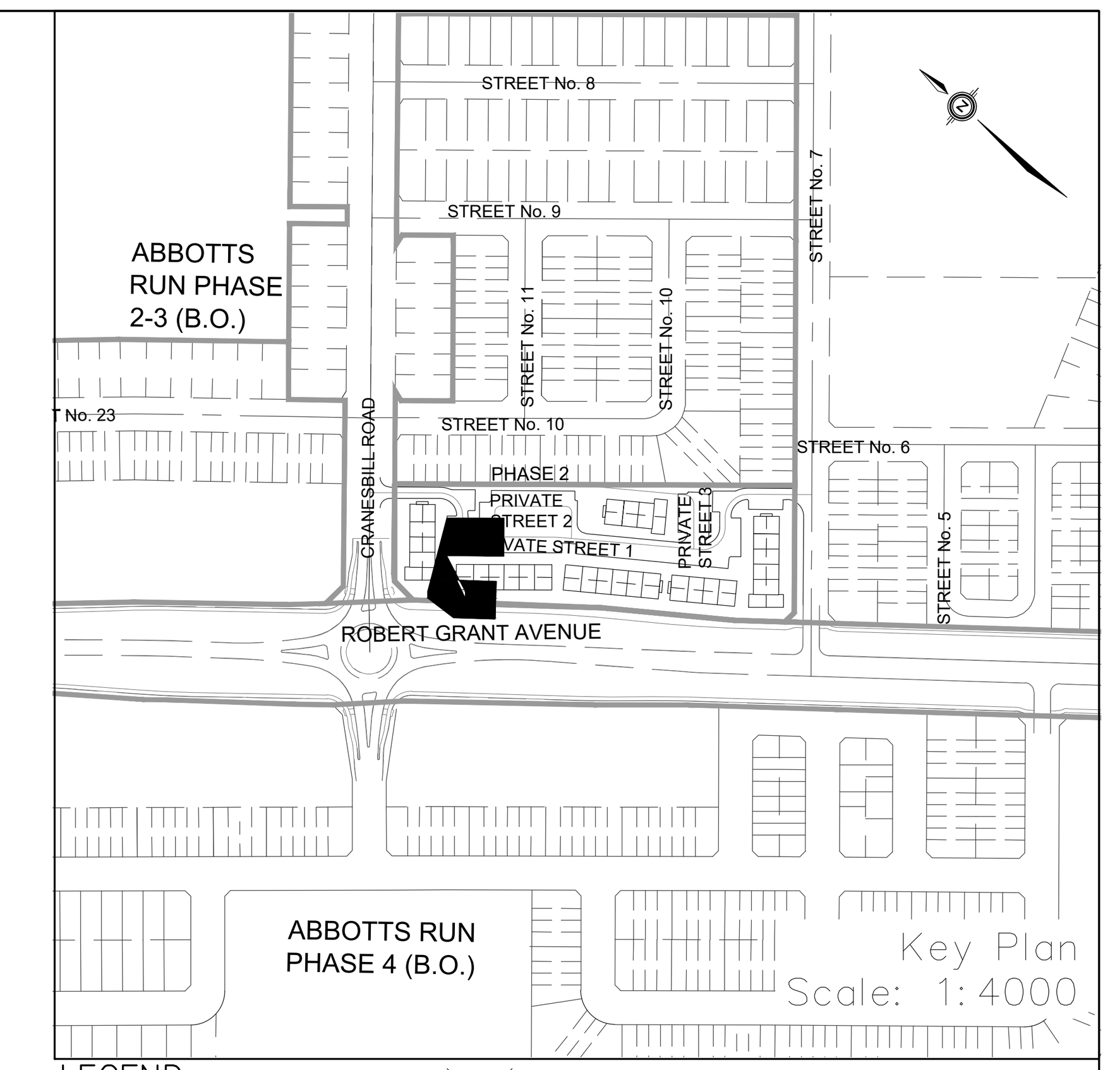

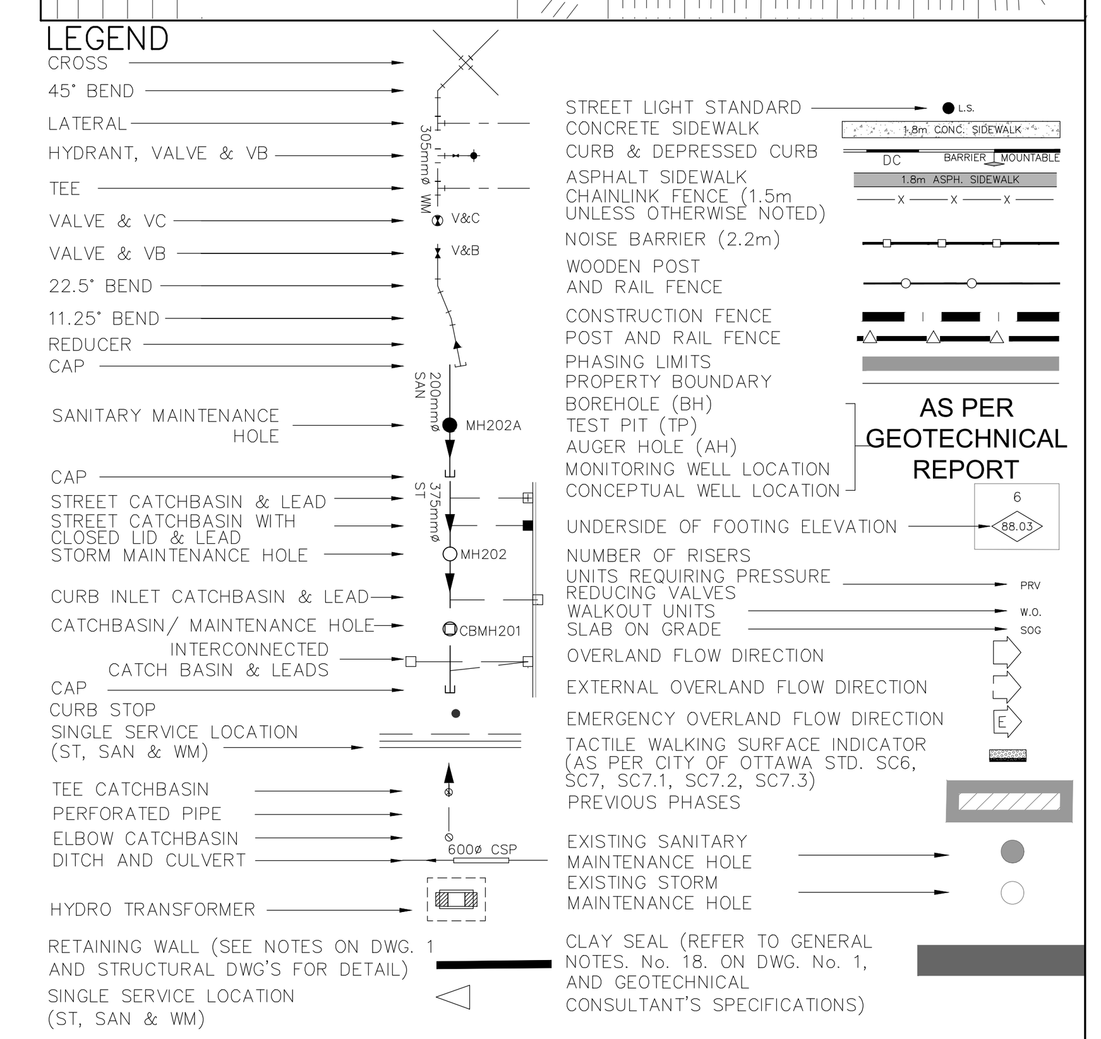

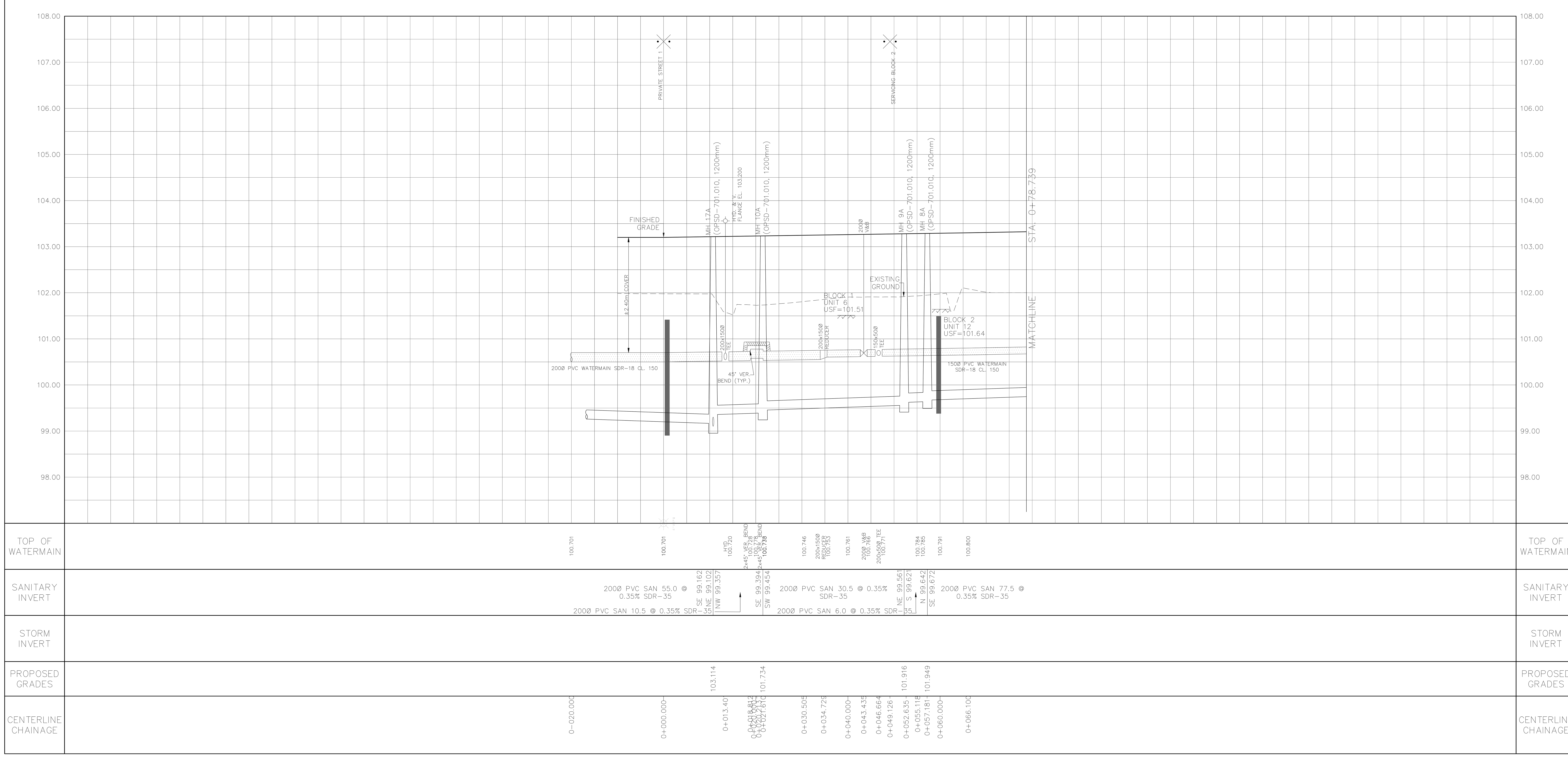

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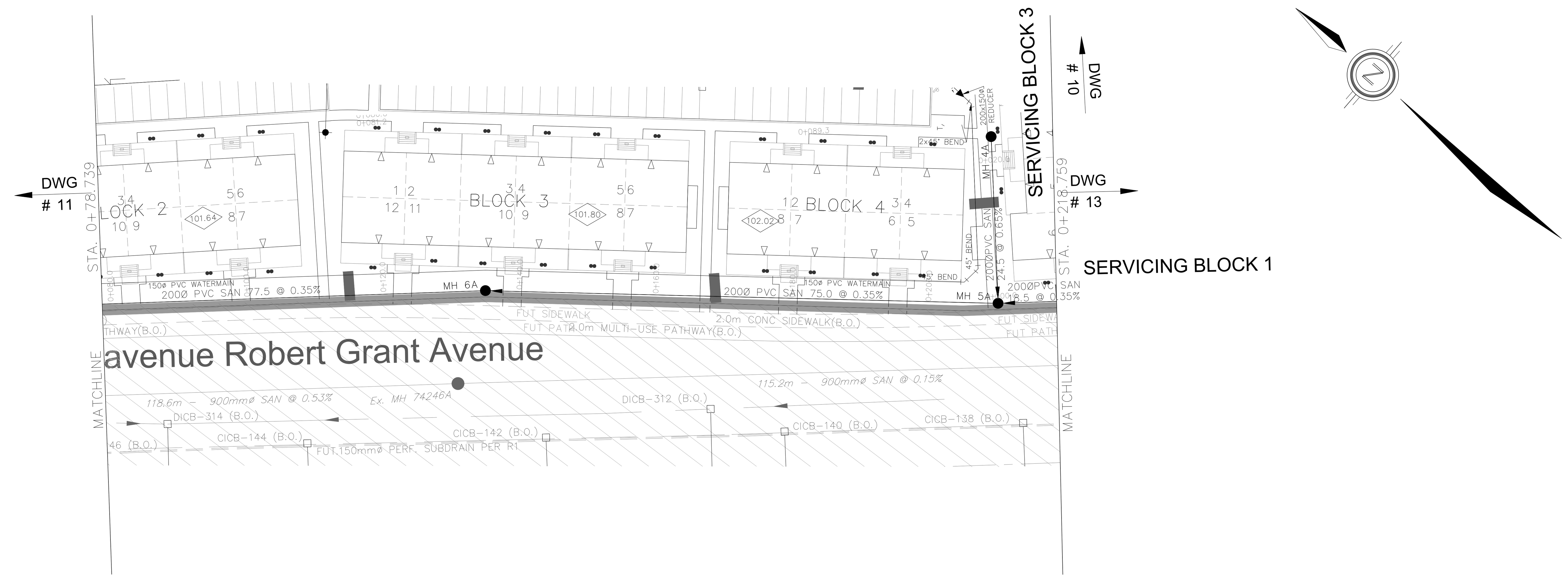

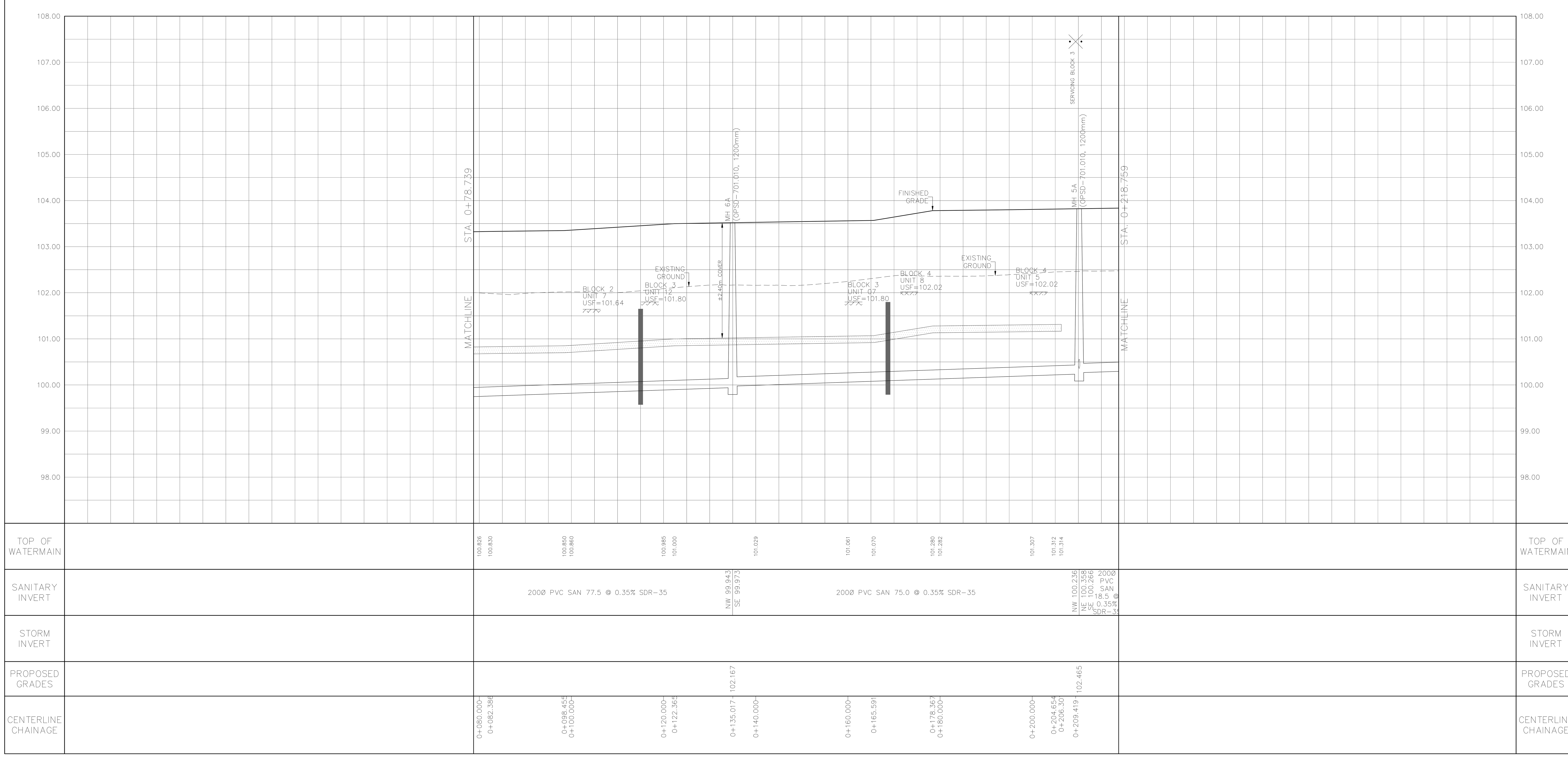

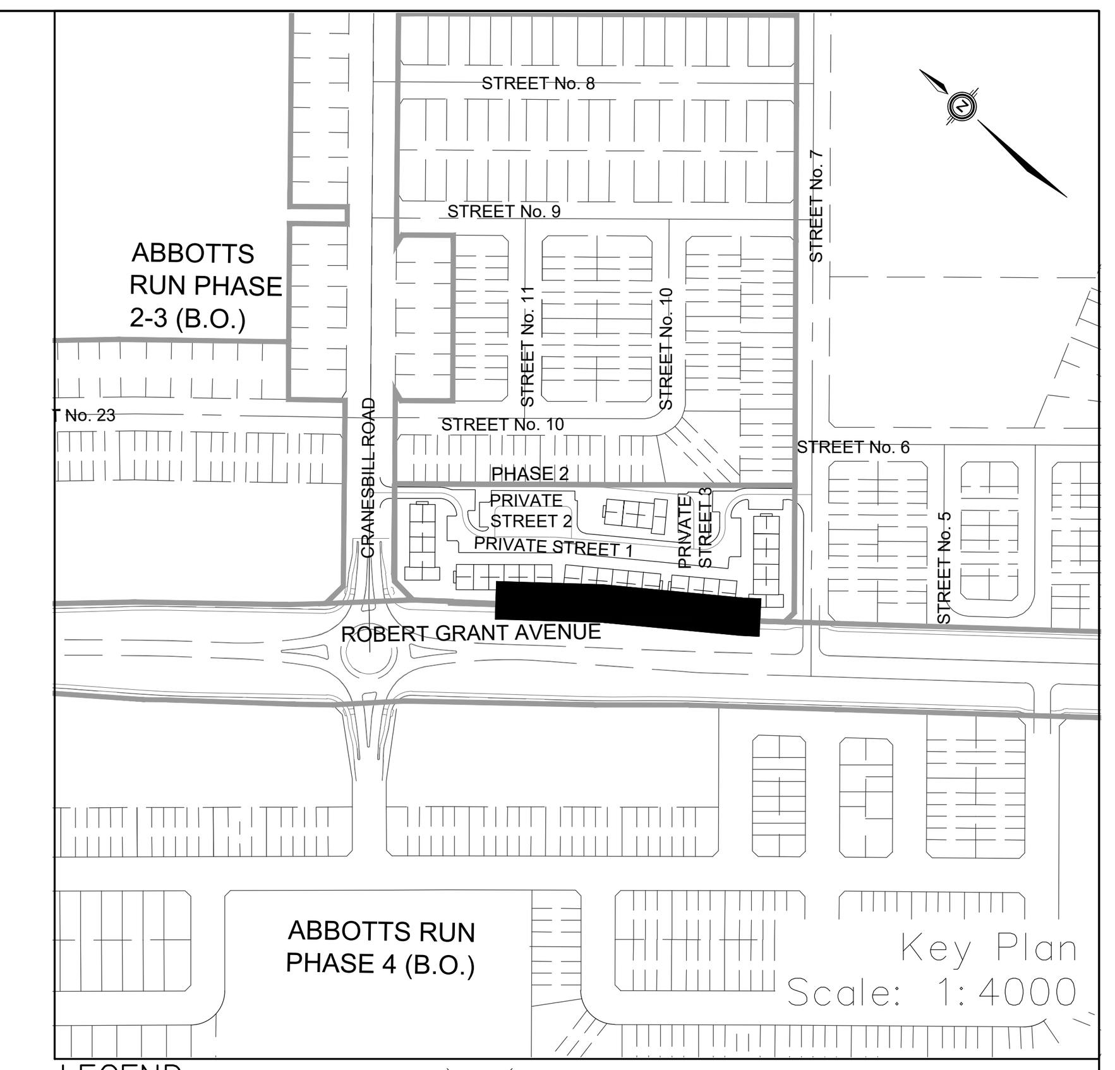

LEGEND

CROSS; 45° BEND; LATERAL; HYDRANT, VALVE & VB; TEE; VALVE & VC; VALVE & VB; 22.5° BEND; 11.25° BEND; REDUCER; CAP; SANITARY MAINTENANCE HOLE; CAP; STREET CATCHBASIN & LEAD; STREET CATCHBASIN WITH CLOSED LID & LEAD; STORM MAINTENANCE HOLE; CURB INLET CATCHBASIN & LEAD; CATCHBASIN/ MAINTENANCE HOLE; INTERCONNECTED CATCH BASIN & LEADS; CAP; CURB STOP; SINGLE SERVICE LOCATION (ST, SAN & WM); TEE CATCHBASIN; PERFORATED PIPE; ELBOW CATCHBASIN; DITCH AND CULVERT; HYDRO TRANSFORMER; RETAINING WALL (SEE NOTES ON DWG. 1 AND STRUCTURAL DWG'S FOR DETAIL); SINGLE SERVICE LOCATION (ST, SAN & WM)

STREET LIGHT STANDARD; CONCRETE SIDEWALK; CURB & DEPRESSED CURB; ASPHALT SIDEWALK; CHAINLINK FENCE (1.5m UNLESS OTHERWISE NOTED); NOISE BARRIER (2.2m); WOODEN POST AND RAIL FENCE; CONSTRUCTION FENCE; POST AND RAIL FENCE; PHASING LIMITS; PROPERTY BOUNDARY; BOREHOLE (BH), TEST PIT (TP), AUGER HOLE (AH), MONITORING WELL LOCATION, CONCEPTUAL WELL LOCATION — AS PER GEOTECHNICAL REPORT; UNDERSIDE OF FOOTING ELEVATION; NUMBER OF RISERS; UNITS REQUIRING PRESSURE REDUCING VALVES (PRV); WALKOUT UNITS (W.O.); SLAB ON GRADE (SOG); OVERLAND FLOW DIRECTION; EXTERNAL OVERLAND FLOW DIRECTION; EMERGENCY OVERLAND FLOW DIRECTION; TACTILE WALKING SURFACE INDICATOR (AS PER CITY OF OTTAWA STD. SC6, SC7, SC7.1, SC7.2, SC7.3); PREVIOUS PHASES; EXISTING SANITARY MAINTENANCE HOLE; EXISTING STORM MAINTENANCE HOLE; CLAY SEAL (REFER TO GENERAL NOTES. No. 18. ON DWG. No. 1, AND GEOTECHNICAL CONSULTANT'S SPECIFICATIONS)

NOT FOR CONSTRUCTION

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SCALE: H=1:500 / V=1:50	DATE: JUNE 2025	

CITY FILE No. _D07-XX-XX-XXXX____ CITY PLAN No.XXXXXXX_ ZBLA FILE No. _XXXXXXX____

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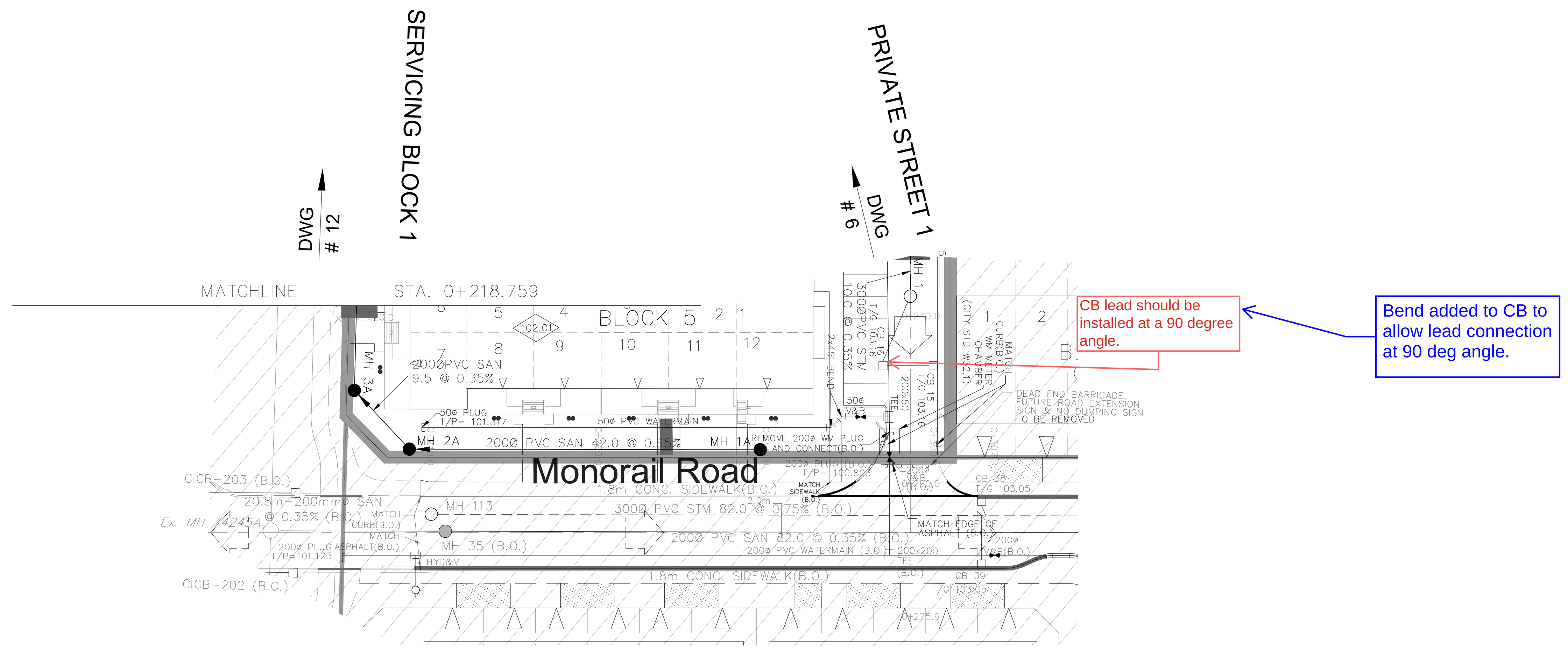

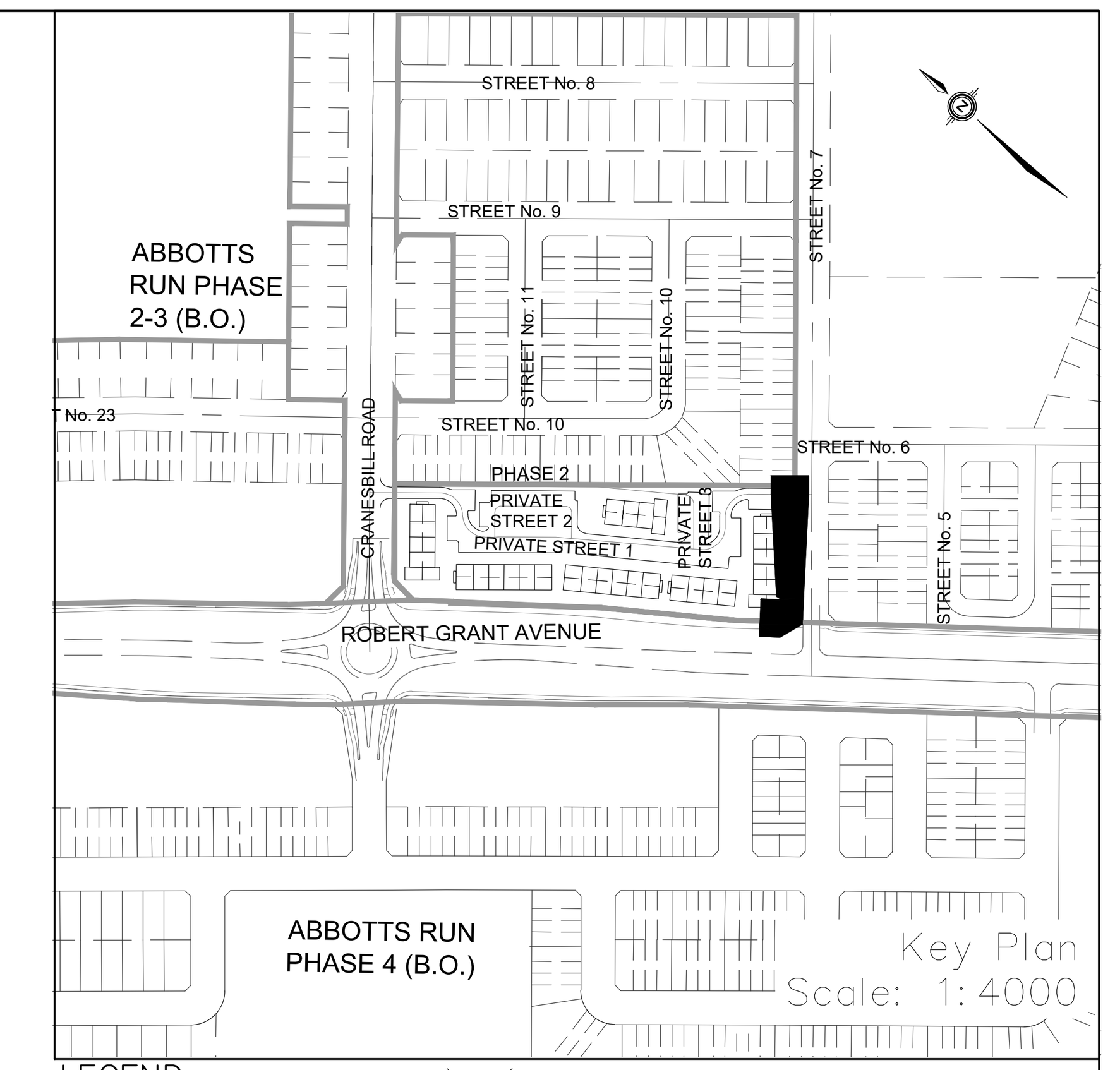

LEGEND

- CROSS
- 45° BEND
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- CATCHBASIN/ MAINTENANCE HOLE
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- CAP
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- PERFORATED PIPE
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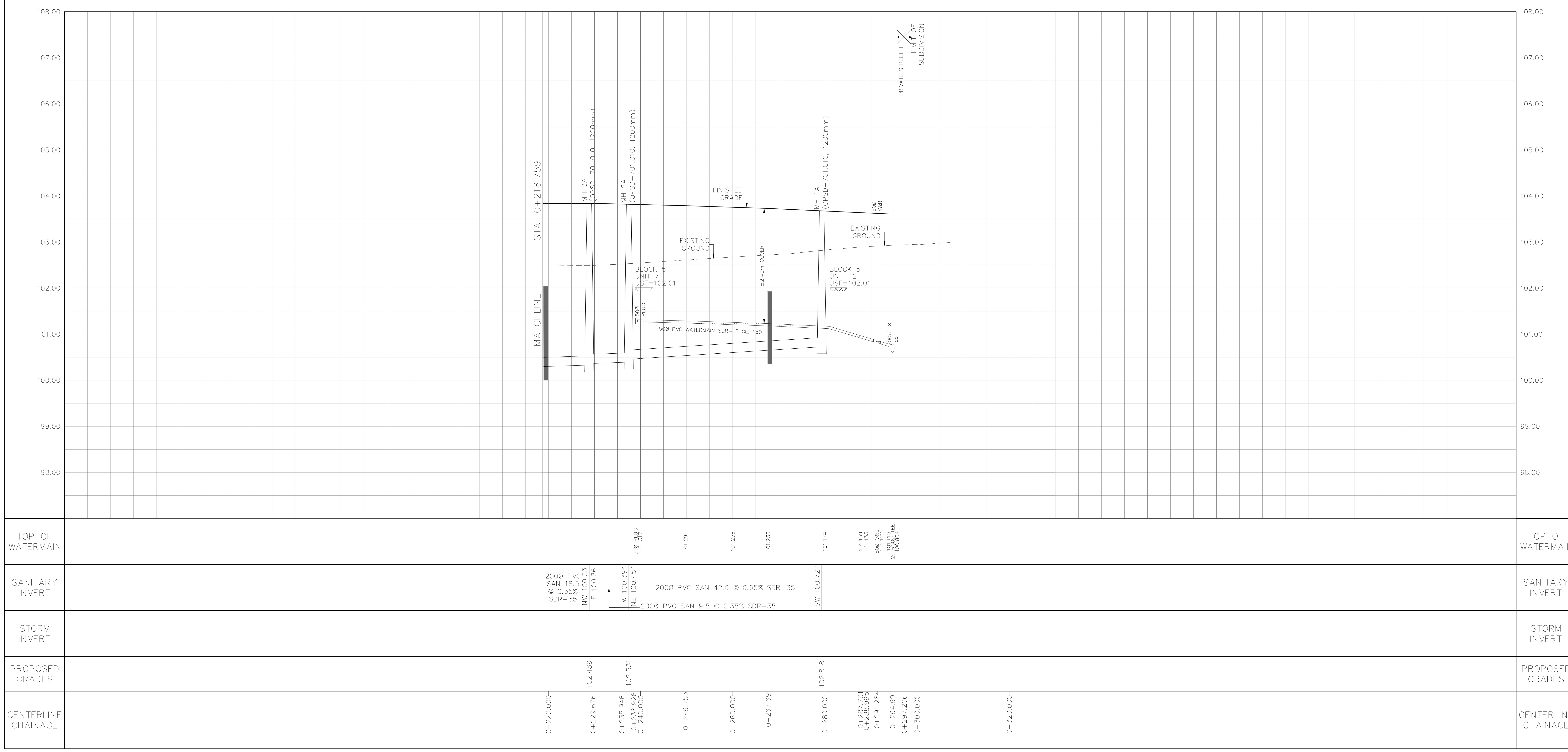

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PROJECT No. 1295_Block13

S. L. MERRICK 100186523 2025-06-20 — LICENSED PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

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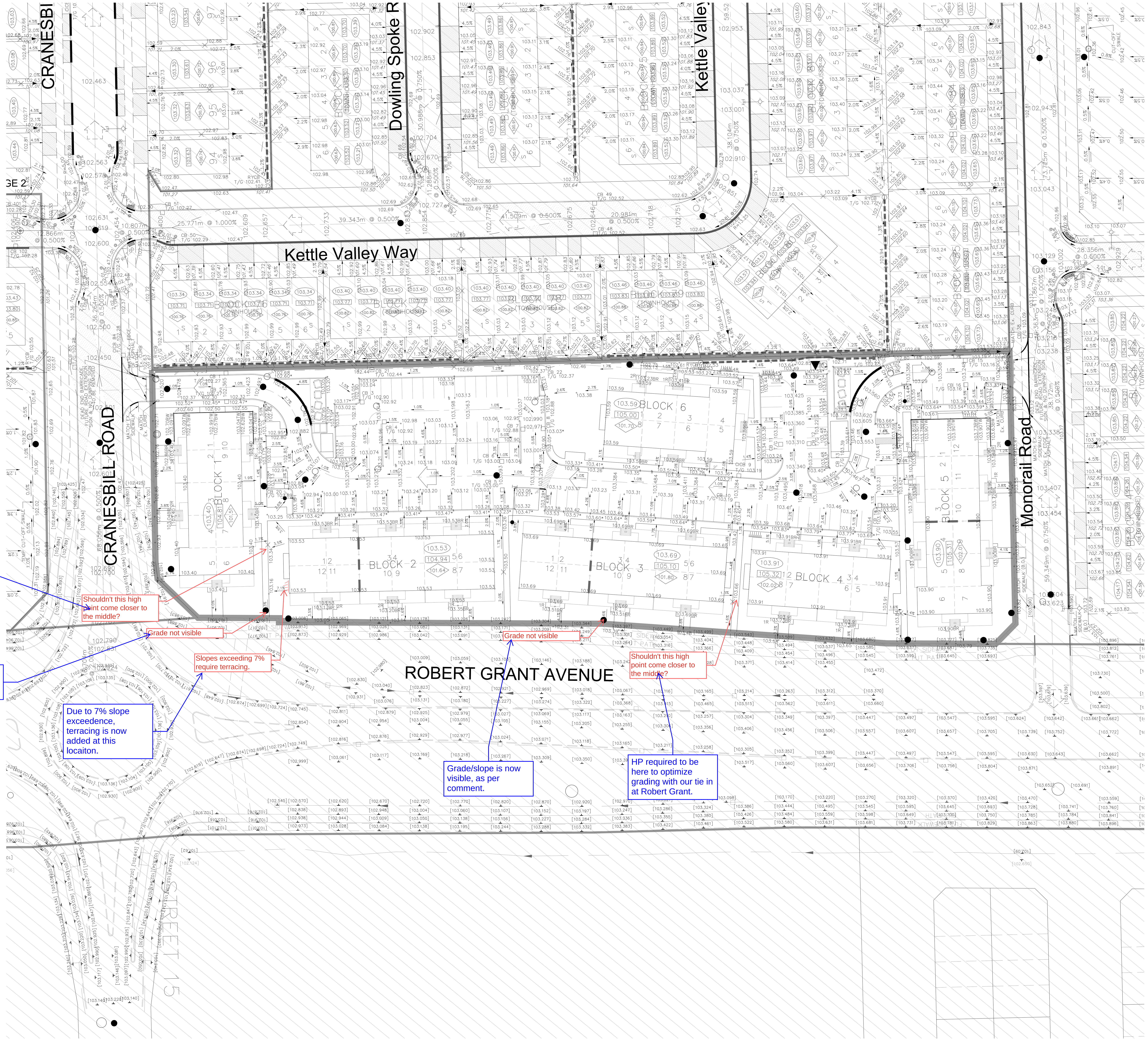
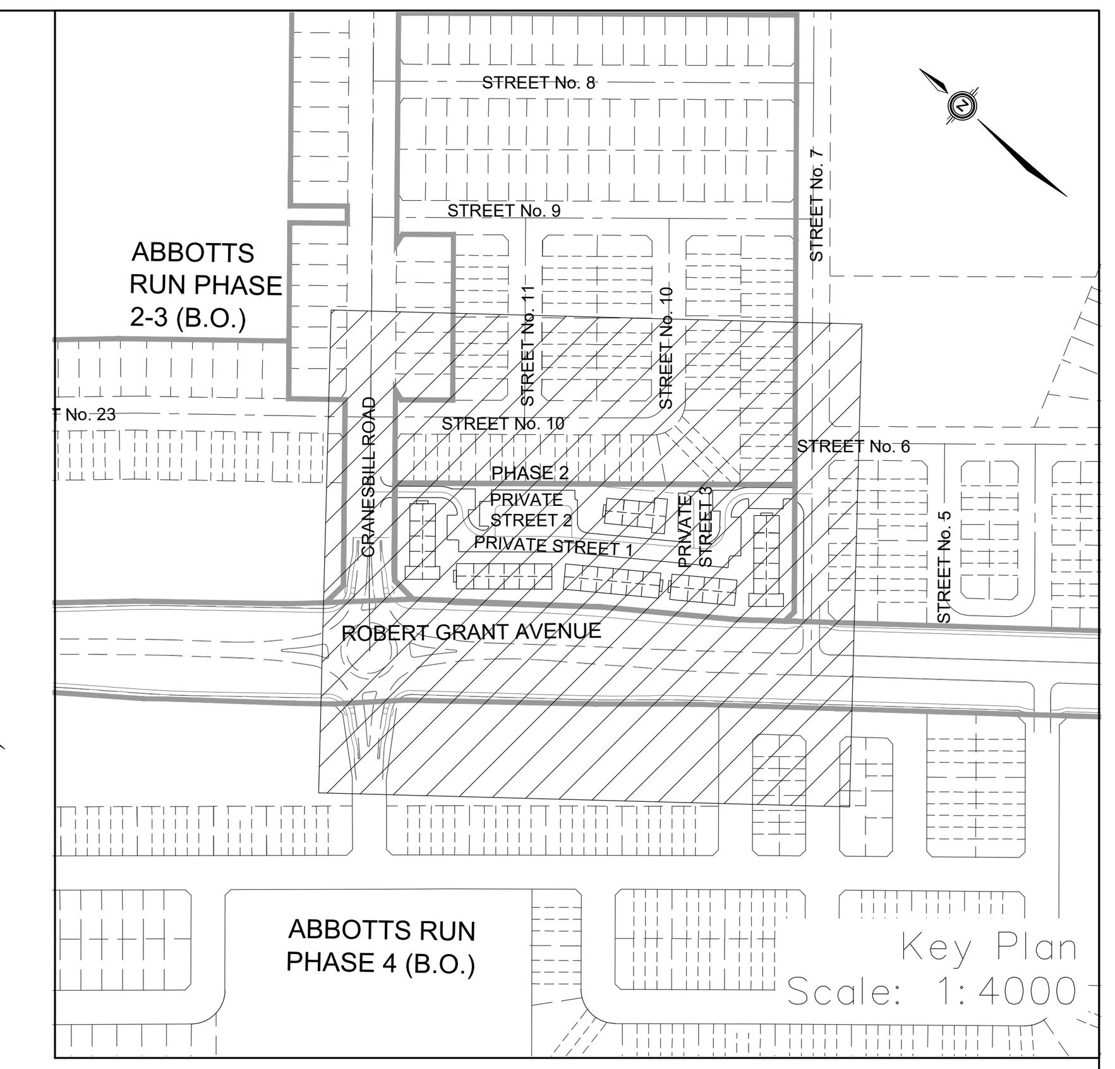
CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXXX_ ZBLA FILE No. _XXXXXXX_____





LEGEND

- PROPOSED ELEVATION — 103.45
- PROPOSED TOP OF CURB ELEVATION — 103.60*
- EXISTING ELEVATION — 102.73
- FUTURE ELEVATION BY NOVATECH — [93.900]
- PROPOSED SWALE GRADE — 1.5%
- HIGH POINT — 102.16
- STREET CATCHBASIN
- STREET CATCHBASIN WITH CLOSED LID
- CATCHBASIN MANHOLE
- TEE CATCHBASIN
- ELBOW CATCHBASIN
- HYDRANT, VALVE & VB
- VALVE & VC
- VALVE & VB
- BUILDING ENVELOPE
- TOP OF FOUNDATION (TOF) — 94.70
- FINISHED FLOOR ELEVATION (FFE) — 95.00
- UNDERSIDE OF FOOTING ELEVATION (USF) — 92.00
- LOTS EQUIPPED WITH SUMP PUMP
- ENGINEERED FILL (REFER TO DWG. 1) — E.F.
- WALKOUT UNITS — W.O.
- SLAB ON GRADE — SOG
- BARRIER CURB, BARRIER CURB WITH GUTTER & DEPRESSED CURB (PER CITY OF OTTAWA STD SC1.1, SC1.2, SC1.3) — BARRIER / MOUNTABLE / DC
- HYDRO TRANSFORMER
- STREET LIGHT STANDARD — L.S.
- TACTILE WALKING SURFACE INDICATOR (AS PER CITY OF OTTAWA STD. SC6)
- CURB TRANSITION
- RETAINING WALL (SEE NOTES ON DWG. 1 AND STRUCTURAL DWG'S FOR DETAIL)
- FIREWALL
- FOUNDATION SPLIT
- OVERLAND FLOW DIRECTION
- EXTERNAL OVERLAND FLOW DIRECTION
- EMERGENCY OVERLAND FLOW DIRECTION — E
- EMERGENCY OVERLAND FLOW DIRECTION
- RETAINING WALL AND ELEVATIONS — T/W=103.10, B/W=102.44
- BLACK VINYL COATED CHAINLINK FENCE (1.5m UNLESS OTHERWISE NOTED)
- NOISE BARRIER
- PROPERTY BOUNDARY
- 3:1 TERRACING MAXIMUM SLOPE — 100.20, 99.20
- PONDING AREA WITH SPILLWAY ELEVATION — 102.16
- 250Ø PVC PERFORATED PIPE (REFER TO CITY STD S29 FOR REAR YARD TRENCH AND PIPE DETAILS ONLY) (SUBDRAIN APPLIED FOR SLOPE LESS THAN 1.5%)
- EXISTING SANITARY MAINTENANCE HOLE
- EXISTING STORM MAINTENANCE HOLE
- SANITARY MAINTENANCE HOLE (WATERTIGHT LID PER OPSD 401.030)
- SANITARY MAINTENANCE HOLE
- SPEED HUMP PER CITY STD. R19
- PHASE 2 AND FUTURE PHASES

NOTES:

1. ANY DISTURBED AREA DURING CONSTRUCTION TO BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION
2. CONTRACTOR TO VERIFY THE PRECISE LOCATIONS AND INVERT ELEVATIONS OF Ex. UNDERGROUND SERVICES AND Ex. UTILITIES PRIOR TO STARTING CONSTRUCTION
3. ALL EXISTING ABOVE GROUND FEATURES, E.G. MH/CHAMBER COVERS, PEDESTALS, HYDRO AND LIGHT POLES, ETC. AFFECTED BY THE DEVELOPMENT TO BE ADJUSTED TO SUIT TO THE SATISFACTION OF PARTIES AFFECTED
4. ALL EXISTING BUILDING, SHED, POST & WIRE FENCE, CHAIN LINK FENCE, TREE, UTILITY WIRE, POLE, CULVERT AND POOL WITHIN LOTS AND BLOCKS TO BE REMOVED, UNLESS OTHERWISE NOTED
5. ALL EXISTING POST & WIRE FENCE, CULVERTS, UTILITY WIRE / POLES, TREES, SHRUBS ETC. WITHIN LOTS, BLOCKS AND ROADS TO BE REMOVED, UNLESS OTHERWISE NOTED
6. PERMISSION REQUIRED FOR REMOVAL OF EXISTING TREES ON EXTERNAL LANDS WHERE APPLICABLE
7. PERMISSION REQUIRED FOR WORK ON ADJACENT LANDS
8. A GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO IS TO INSPECT ALL SUBGRADE SURFACES FOR FOOTING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION
9. PERFORATED PIPE IS REQUIRED FOR SWALE SLOPE LESS THAN 1.5%. REFER TO CITY STD. S29, S30 FOR REAR YARD TRENCH AND PIPE DETAIL ONLY.
10. ALL CURBS TO BE BARRIER CURB PER CITY STD. SC1.1, SC1.2

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. BM88U502.

ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

Ottawa — CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER — S. L. MERRICK — 100186523 — 2025-06-20 — PROVINCE OF ONTARIO

JOB# 22-1295 - BLK13

Minto Group

ABBOTT'S RUN

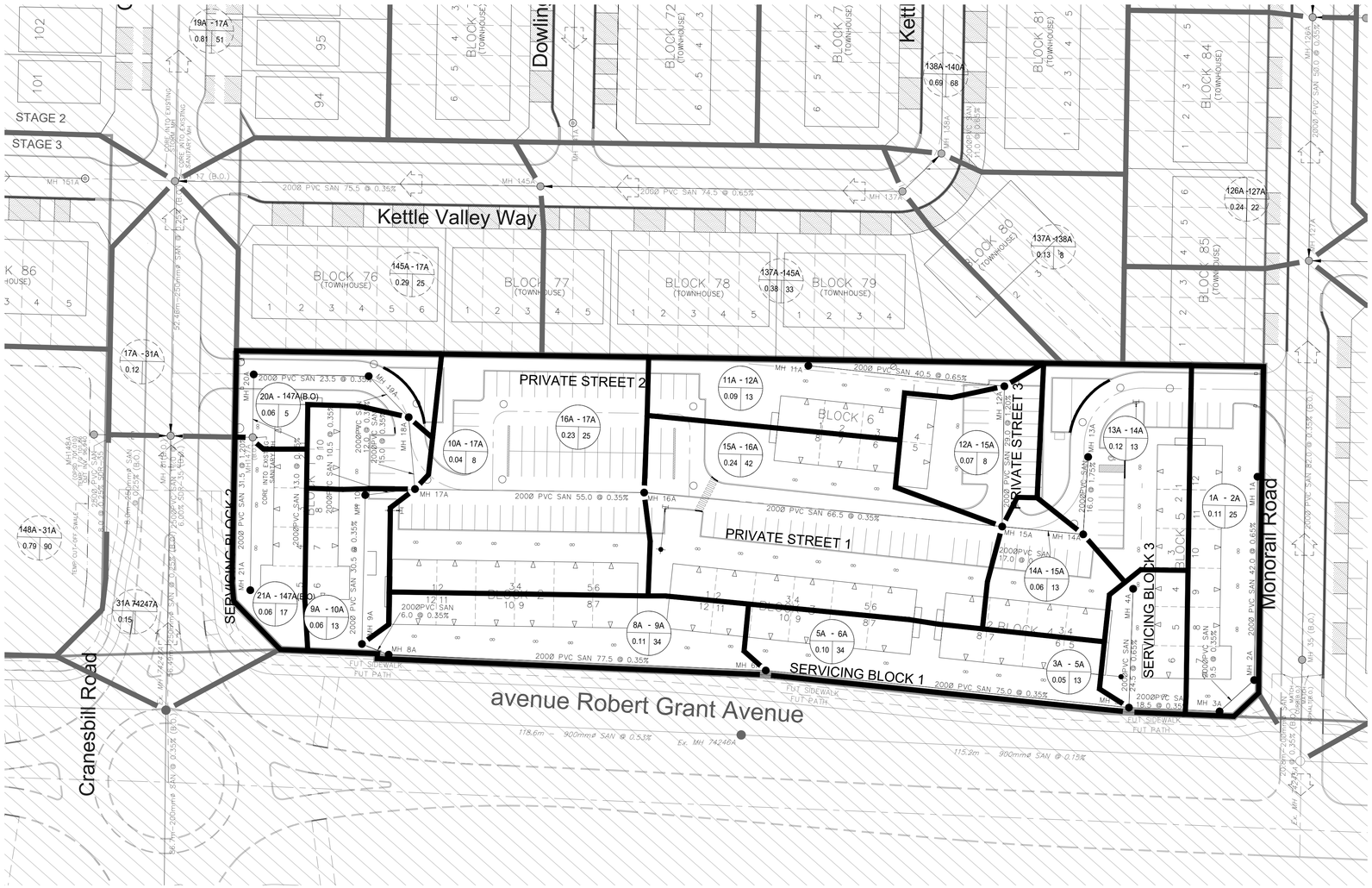
BLOCK 13

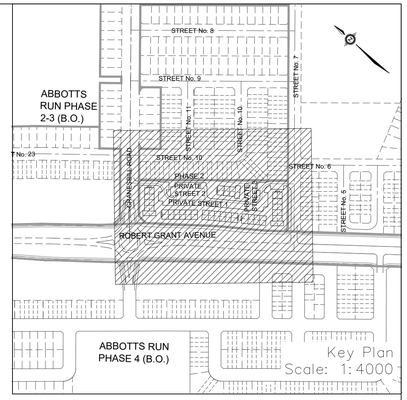
DSEL
120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

GRADING PLAN

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	14 OF 19	
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX___





LEGEND

SANITARY DRAINAGE BOUNDARY
SANITARY EXISTING DRAINAGE BOUNDARY
SANITARY SUB-DRAINAGE BOUNDARY

UPSTREAM MH TO DOWNSTREAM MH — 43A - 44A
AREA IN HECTARES — 0.78
POPULATION — 61

UPSTREAM MH TO DOWNSTREAM MH — 43A-44A
AREA IN OTHER PHASES IN HECTARES — 0.78
POPULATION — 61

EXTERNAL AREA IN HECTARES — A=53.63
EXTERNAL POPULATION — 107 POP=5739
DENSITY (PERSONS/HECTARE)
EXTERNAL LAND USE — RESIDENTIAL

SANITARY MAINTENANCE HOLE (WATERTIGHT LID PER OPSD 401.030)
SANITARY MAINTENANCE HOLE — MH202A
CAP
EXISTING SANITARY MAINTENANCE HOLE

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

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ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER
S. L. MERRICK
100186523
2025-06-20
PROVINCE OF ONTARIO

Minto Group

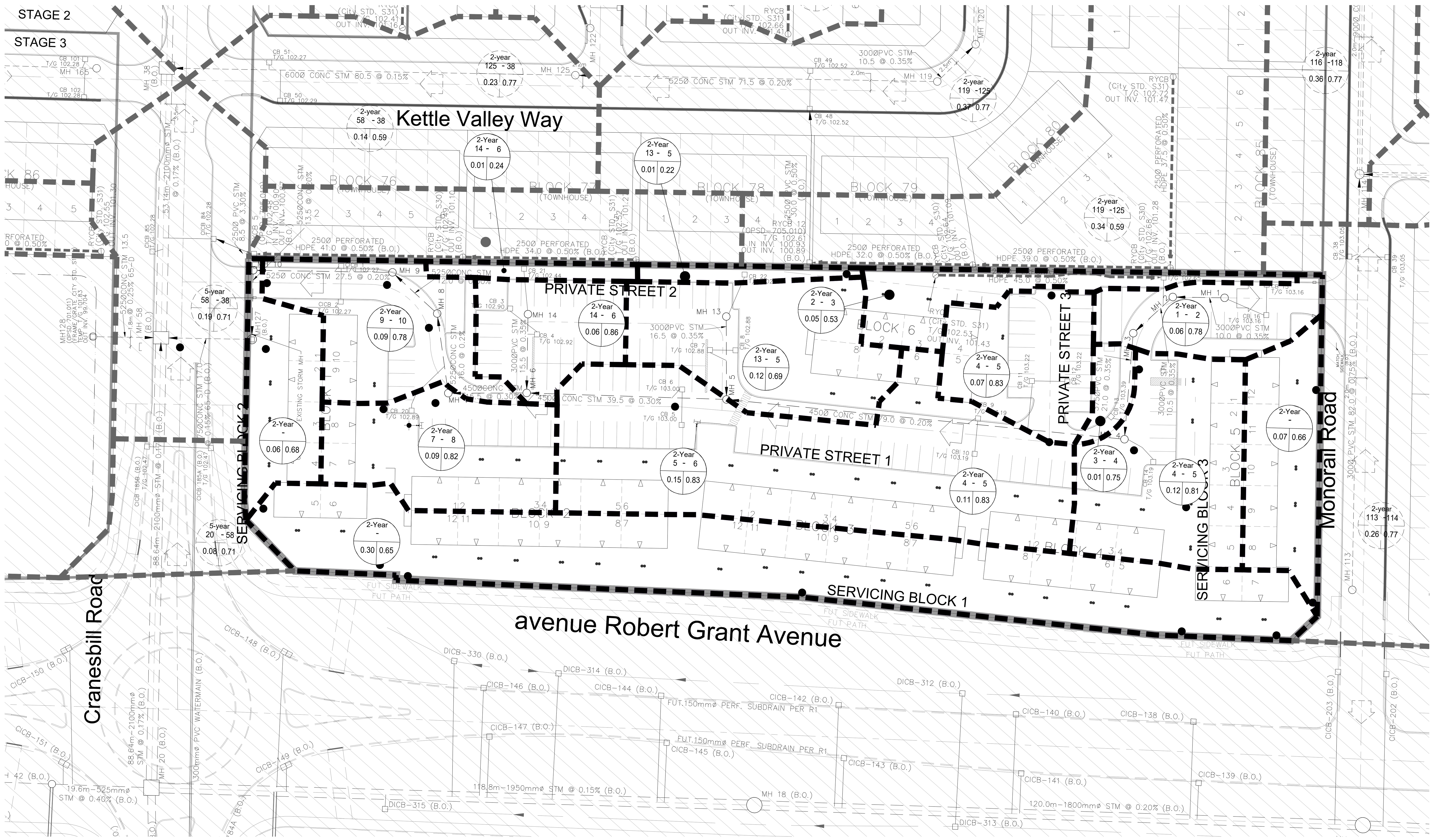
ABBOTT'S RUN
BLOCK 13

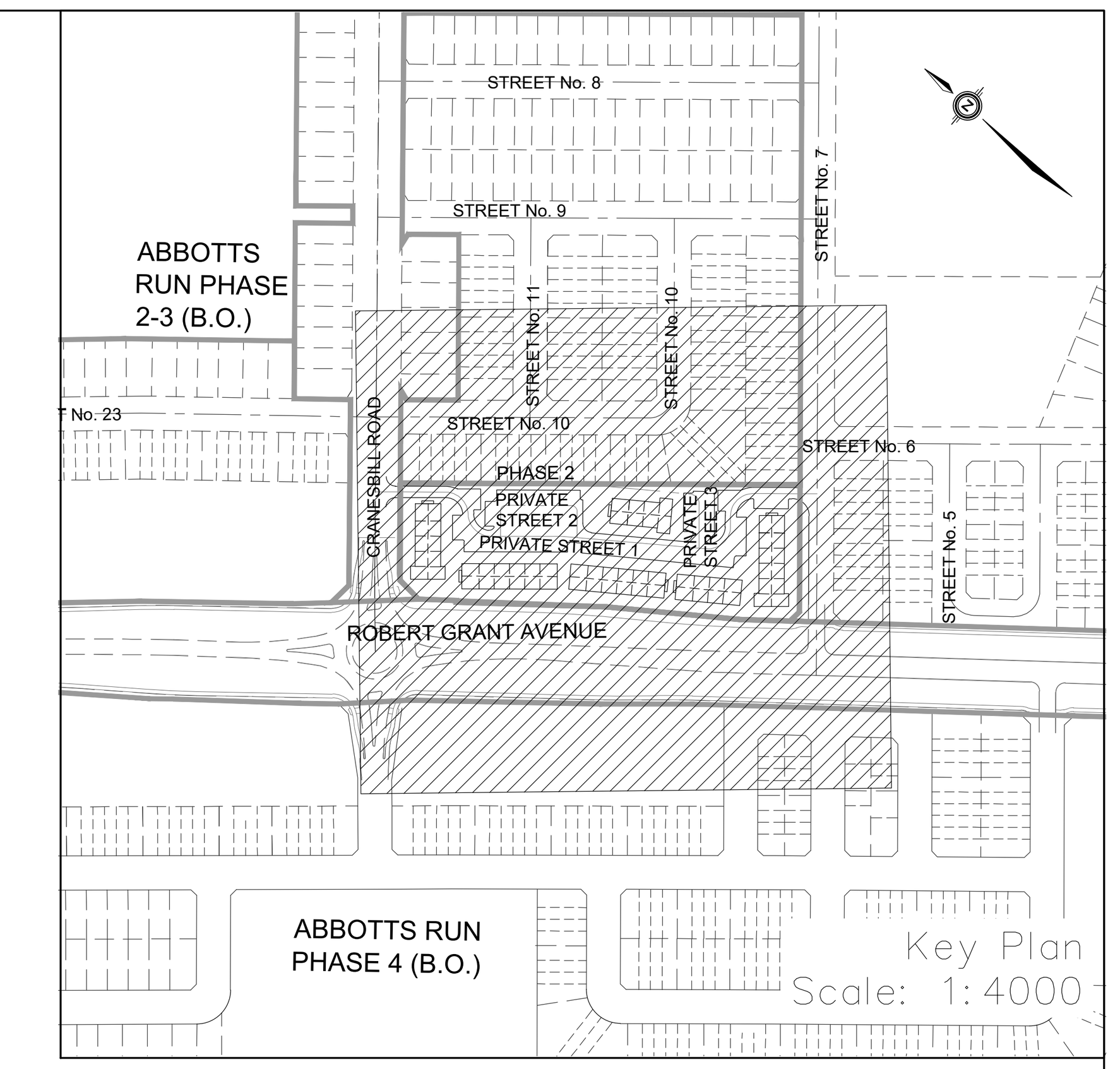
DSEL
120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

SANITARY DRAINAGE PLAN

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	15	OF 19
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____





LEGEND

STORM DRAINAGE BOUNDARY
SUB-DRAINAGE BOUNDARY
STORM DRAINAGE BOUNDARY (OTHER PHASES)
STORM FREQUENCY
UPSTREAM MH TO DOWNSTREAM MH
AREA IN HECTARES
RUNOFF COEFFICIENT
EXTERNAL 2.78AC = — 2.78AC=14.40
EXTERNAL TIME OF CONCENTRATION — TC=14.5 MIN
EXTERNAL BLENDED RUNOFF COEFFICIENT — C= 0.70
EXTERNAL STORM FREQUENCY — 2YR
STORM FREQUENCY
UPSTREAM MH TO DOWNSTREAM MH
AREA IN OTHER PHASES IN HECTARES
RUNOFF COEFFICIENT

STREET CATCHBASIN & LEAD
STREET CATCHBASIN WITH CLOSED LID & LEAD
MAINTENANCE HOLE
CURB INLET CATCHBASIN & LEAD
CATCHBASIN/ MAINTENANCE HOLE
INTERCONNECTED CATCH BASIN & LEADS
CAP
OVERLAND FLOW DIRECTION
EXTERNAL OVERLAND FLOW DIRECTION
EXISTING STORM MAINTENANCE HOLE

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

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ELEVATION = 106.039 m

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1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

S. L. MERRICK
100186523
2025-06-20
PROVINCE OF ONTARIO

Minto Group

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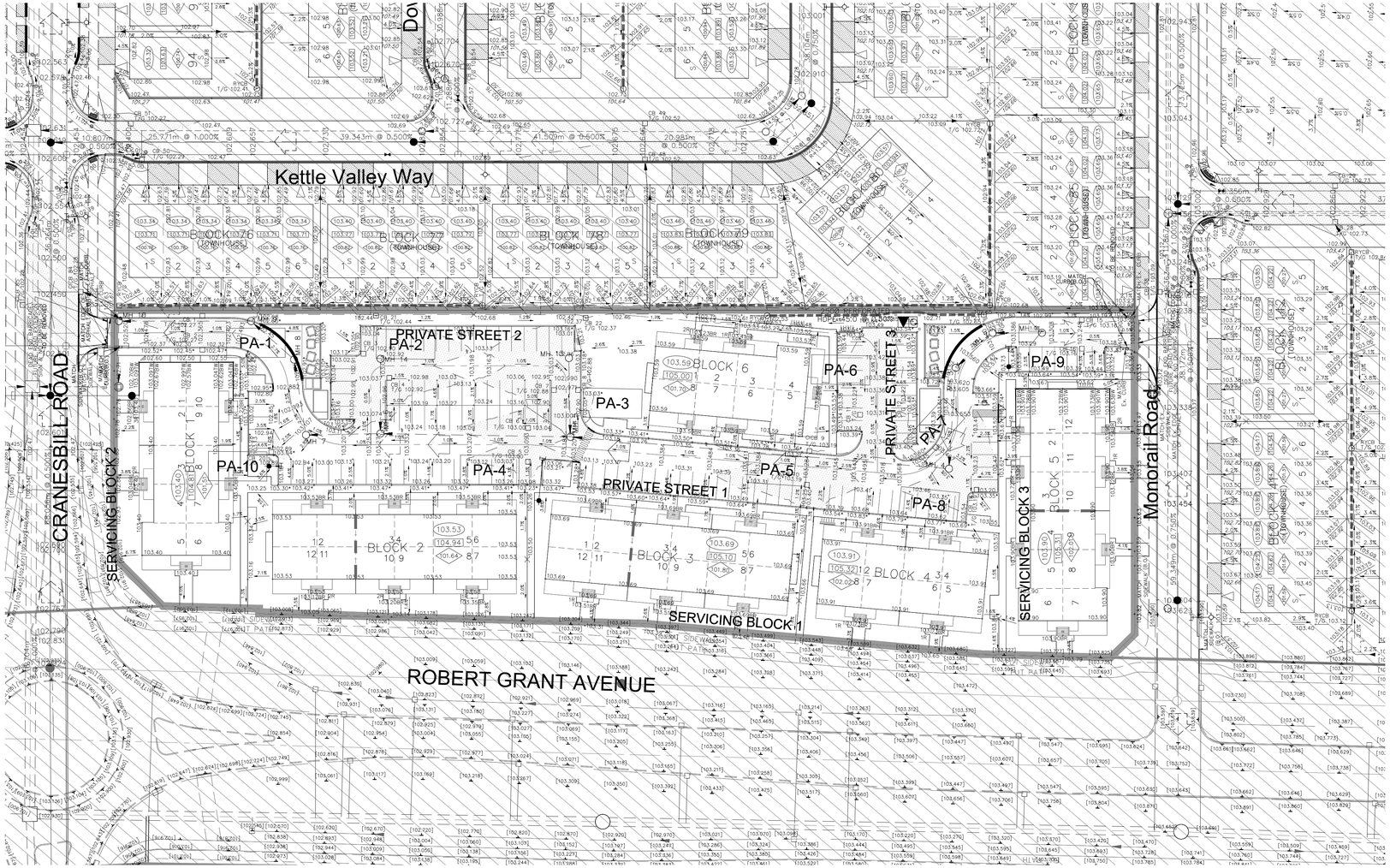
STORM DRAINAGE PLAN

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	16	OF 19
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX_ CITY PLAN No.XXXXXXX_ ZBLA FILE No. _XXXXXXX_



LEGEND:

- PONDING AREA
- EXISTING ELEVATION — 93.50
- PROPOSED ELEVATION — 95.00
- CONTOUR ELEVATION — 92.00
- OVERLAND FLOW DIRECTION
- STORM MAINTENANCE HOLE — MH 97

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION
SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE
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No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 PROVINCE OF ONTARIO 2025-06-20

Minto Group

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100 Year Ponding Stress Test

PONDING AREA	CB ID		T/G	100 YEAR PONDING ELEVATION		100 YEAR +20% PONDING ELEVATION		ICD Size (m)
				Elevation(m)	Depth(m)	Elevation(m)	Depth(m)	
PA-1	CB_1	CB_2	102.27	102.59	0.32	102.62	0.35	0.083
PA-10	CB_20		102.89	103.05	0.16	103.07	0.18	0.094
PA-2	CB_3	CB_4	102.90	103.03	0.13	103.08	0.18	0.083
PA-3	CB_7	CB_8	102.88	103.10	0.22	103.31	0.43	0.083
PA-4	CB_5	CB_6	103.00	103.22	0.22	103.30	0.3	0.108
PA-5	CB_9	CB_10	103.19	103.37	0.18	103.45	0.26	0.094
PA-6	CB_11	CB_12	103.22	103.32	0.1	103.36	0.14	0.083
PA-7	CB_13		103.39	103.39	0	103.57	0.18	0.083
PA-8	CB_14		103.19	103.48	0.29	103.63	0.44	0.094
PA-9	CB_15	CB_16	103.16	103.26	0.1	103.28	0.12	0.083

100 YEAR + 20% PONDING AREA PLAN AND ICD PLAN

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	17	OF 19
SCALE: 1:500	DATE: JUNE 2025		

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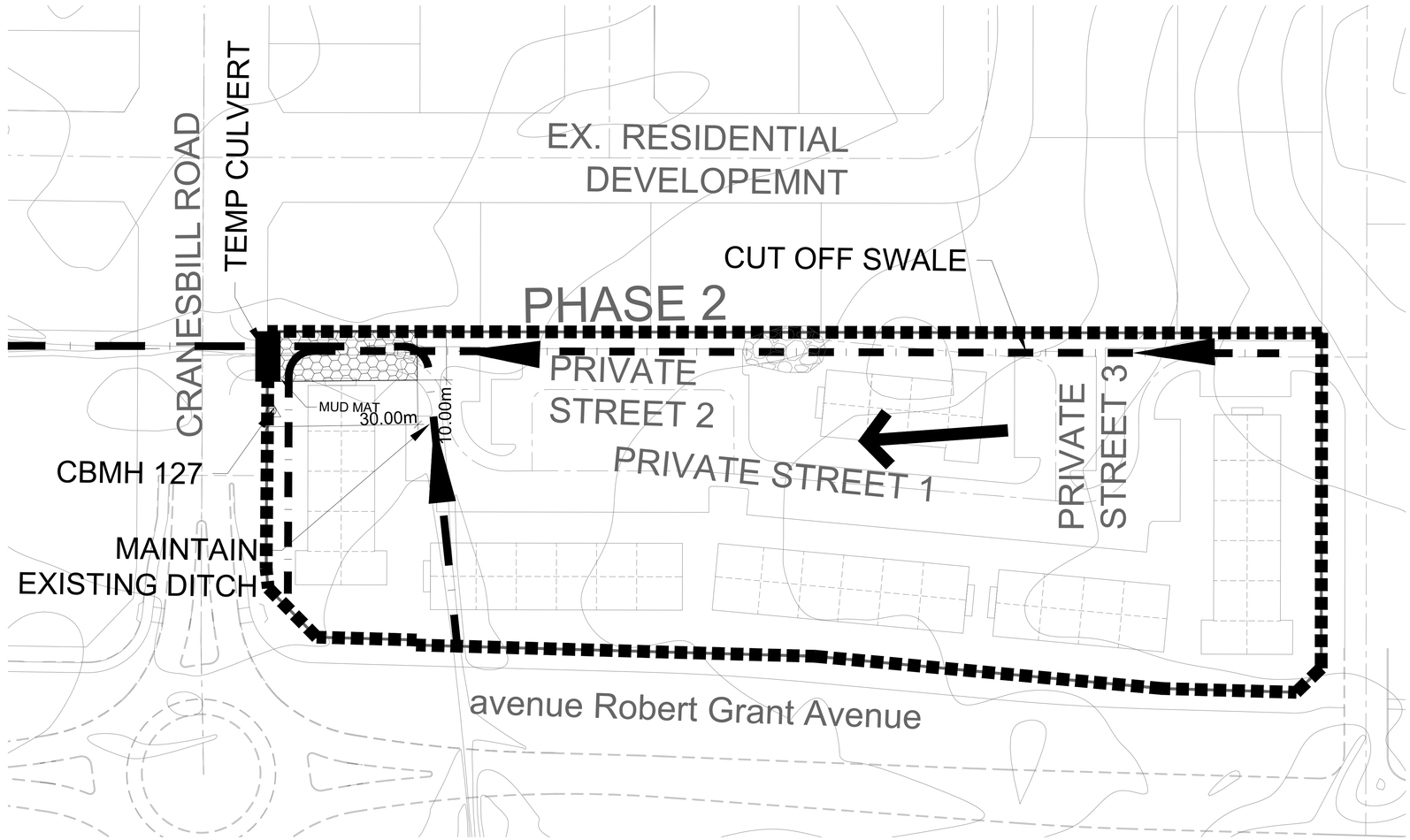
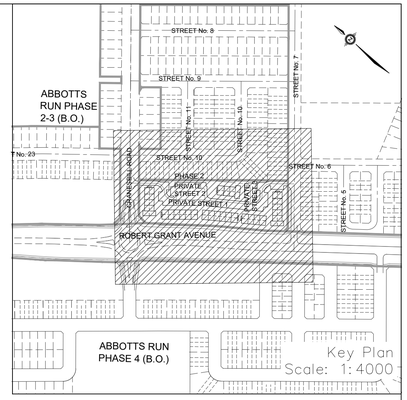




EROSION AND SEDIMENT CONTROL NOTES:

PRIOR TO TOPSOIL STRIPPING, EARTHWORKS, OR UNDERGROUND CONSTRUCTION, EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.

SEDIMENT CONTROL FENCE SHALL BE CLEANED AND MAINTAINED IN GOOD REPAIR BY CONTRACTOR.

SEDIMENT CONTROL FENCE TO REMAIN IN PLACE UNTIL THE WORKING AREA HAS BEEN STABILIZED AND REVEGETATED.

ACCUMULATED SEDIMENT TO BE REMOVED OFF SITE PRIOR TO THE REMOVAL OF SEDIMENT CONTROL FENCE.

EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY PERSONNEL.

CONTRACTOR MUST USE BEST MANAGEMENT PRACTICES (BMPS) FOR EROSION AND SEDIMENT CONTROL.

THE SILTATION CONTROL PLAN IS INTENDED TO ASSIST THE CONTRACTOR IN THE LAYOUT AND CONSTRUCTION OF THE SILTATION CONTROL FEATURES ONLY. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OF SITE SERVICES.

EROSION AND SEDIMENT CONTROL INSPECTION AND MONITORING SHALL BE CARRIED OUT BY THE CONTRACTOR USING THE GUIDELINES OUTLINED IN CAN/CSA-W202-18.

INSTALLATION AND MAINTENANCE OF THE ESC MEASURES SPECIFIED IN THIS PLAN SHALL BE CARRIED OUT USING THE GUIDELINES OUTLINED IN CSA W208:20 EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE.

INSPECTION OF THE ESC MEASURES NEED TO BE PERFORMED BY A PERSONS WHO HAVE OBTAINED THE RELEVANT EDUCATION AND TRAINING AND HAVE DEMONSTRATED EXPERIENCE AND EXPERTISE IN THE AREAS RELATING TO THE WORK REQUIRED TO BE CARRIED OUT.

LEGEND

- PROPOSED SILT FENCE
- MAJOR OVERLAND FLOW DIRECTION
- EXISTING CONTOUR ELEVATION — 201.00
- PROPOSED ROCK FLOW CHECK DAM (OPSD 219.210)
- SWALE
- PROPOSED SWALE CENTERLINE GRADE — 100.45 SW

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

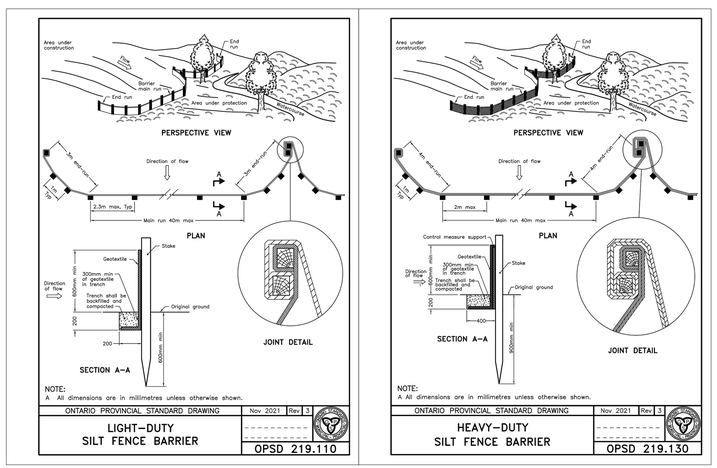
SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. BM8BU502.

ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION



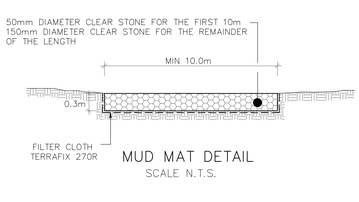
SPILLS CONTROL NOTES

ALL CONSTRUCTION EQUIPMENT SHALL BE REFUELED, MAINTAINED AND STORED NO LESS THAN 30 METERS FROM THE WATERCOURSES, STREAMS, CREEKS, WOODLOTS AND ANY ENVIRONMENTALLY SENSITIVE AREAS, OR AS OTHERWISE SPECIFIED.

THE CONTRACTOR MUST IMPLEMENT ALL NECESSARY MEASURES IN ORDER TO PREVENT LEAKS, DISCHARGES OR SPILLS OF POLLUTANTS, DELETERIOUS MATERIALS, OR OTHER SUCH MATERIALS OR SUBSTANCES WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT.

IN THE EVENT OF A LEAK, DISCHARGE OR SPILL OF A POLLUTANT, DELETERIOUS MATERIAL OR OTHER SUCH MATERIAL OR SUBSTANCE WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT, THE CONTRACTOR SHALL,

1. IMMEDIATELY NOTIFY THE APPROPRIATE FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT MINISTRIES, DEPARTMENTS, AGENCIES AND AUTHORITIES OF THE INCIDENT IN ACCORDANCE WITH ALL CURRENT LAWS, LEGISLATION, ACTS, BY-LAWS, PERMITS, APPROVALS, ETC.
2. TAKE IMMEDIATE MEASURES TO CONTAIN THE MATERIAL OR SUBSTANCE, AND TO TAKE SUCH MEASURES AS THEY DEEM APPROPRIATE TO MITIGATE AGAINST THE ANY ADVERSE IMPACTS TO THE NATURAL ENVIRONMENT.
3. THE CONTRACT SHALL RESTORE THE AFFECTED AREA TO ORIGINAL CONDITION OR BETTER, ALL TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.



MUD MAT DETAIL
SCALE N.T.S.

MONITORING OF SEDIMENT AND EROSION CONTROLS

MONITORING AND REPORTING TO BE COMPLETED IN ACCORDANCE WITH THE MINISTRY OF THE ENVIRONMENT AND CLIMATE CHANGE (MOECC) AND RIDEAU VALLEY CONSERVATION AUTHORITY(RVCA) APPROVALS.

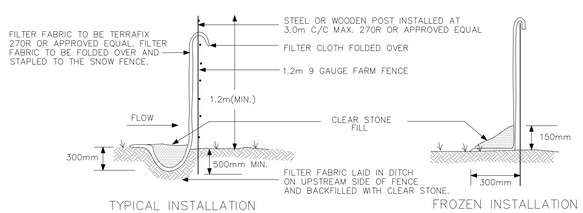
MAINTENANCE PROGRAM

ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACEMENT WITHIN 48 HOURS OF THE INSPECTION.
THE ENVIRONMENTAL MONITOR IS REQUIRED TO SUBMIT UPDATES TO THE TOWN/ REGION/ CONSERVATION AUTHORITY BY EMAIL IN A TIMELY MANNER.
SEDIMENT SHOULD BE REMOVED FROM THE SEDIMENT CONTROL FENCING ONCE SEDIMENT HAS ACCUMULATED TO A LEVEL OF ONE-THIRD THE HEIGHT OF FENCING OR TO A HEIGHT OF 30 cm. ANY AMOUNT OF ACCUMULATED SEDIMENT SHOULD BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURES.

SEQUENCE OF ACTIVITIES

THE EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE:

- INSTALLATION OF THE SEDIMENT CONTROL FENCING WHERE INDICATED.
- REMOVAL OF SITE VEGETATION IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS.
- CONSTRUCTION OF THE EROSION AND SEDIMENT CONTROL POND IN ACCORDANCE WITH THE DESIGN DRAWINGS.
- REGULAR MONITORING OF THE SEDIMENT CONTROL FENCES BY THE CONTRACTOR TO VERIFY THAT THE FENCES ARE FUNCTIONING AS INTENDED.
- REGULAR MONITORING OF THE SEDIMENT BASIN TO VERIFY THAT THE BASIN IS FUNCTIONING AS INTENDED.
- REMOVAL OF THE EROSION AND SEDIMENT CONTROL DEVICES ONCE THE SITE HAS BEEN STABILIZED.



SILT CONTROL FENCE
SCALE: N.T.S

CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

Minto Group

ABBOTT'S RUN

BLOCK 13

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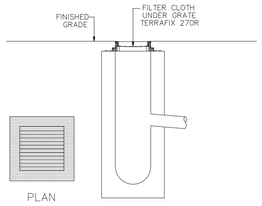
EROSION AND SEDIMENT CONTROL PLAN STAGE 1

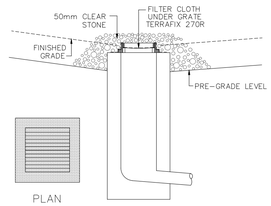
DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	18	OF 19
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No._D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No._XXXXXXX_____



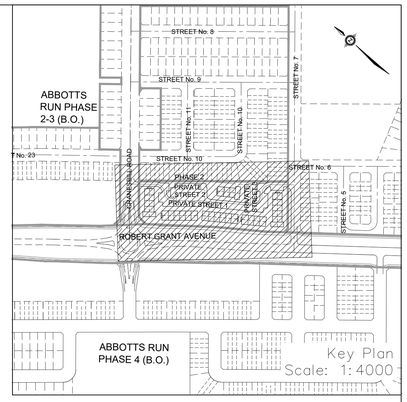
DETAIL FOR STREET CB SILT PROTECTION

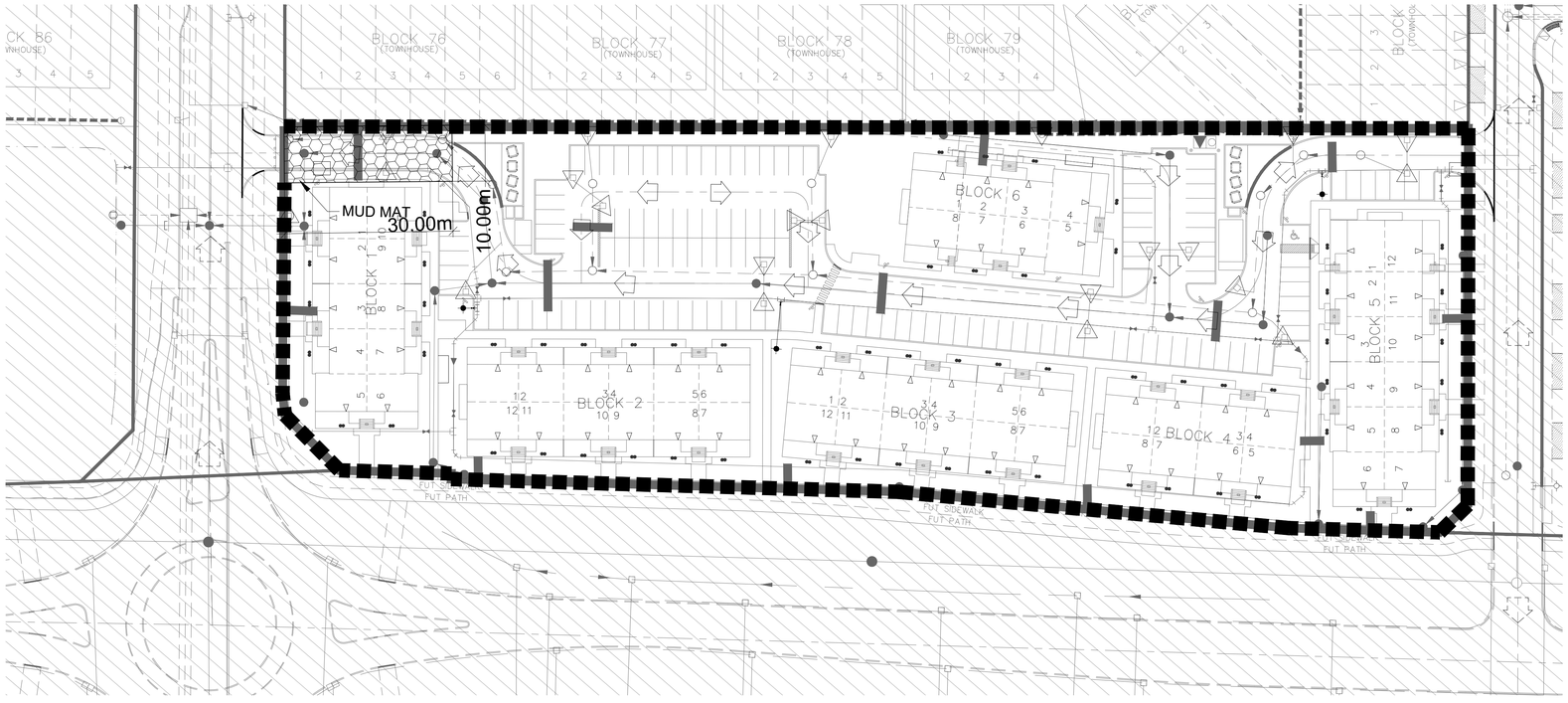
SCALE: NTS



DETAIL FOR RLCB/DICB SILT PROTECTION

SCALE: NTS





LEGEND

PROPOSED SILT FENCE

MAJOR OVERLAND FLOW DIRECTION

STORM DRAIN INLET PROTECTION

EROSION AND SEDIMENT CONTROL NOTES:

PRIOR TO TOPSOIL STRIPPING, EARTHWORKS, OR UNDERGROUND CONSTRUCTION, EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.

SEDIMENT CONTROL FENCE SHALL BE CLEANED AND MAINTAINED IN GOOD REPAIR BY CONTRACTOR.

SEDIMENT CONTROL FENCE TO REMAIN IN PLACE UNTIL THE WORKING AREA HAS BEEN STABILIZED AND REVEGETATED.

ACCUMULATED SEDIMENT TO BE REMOVED OFF SITE PRIOR TO THE REMOVAL OF SEDIMENT CONTROL FENCE.

EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY PERSONNEL.

CONTRACTOR MUST USE BEST MANAGEMENT PRACTICES (BMPS) FOR EROSION AND SEDIMENT CONTROL.

THE SILTATION CONTROL PLAN IS INTENDED TO ASSIST THE CONTRACTOR IN THE LAYOUT AND CONSTRUCTION OF THE SILTATION CONTROL FEATURES ONLY. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OF SITE SERVICES.

EROSION AND SEDIMENT CONTROL INSPECTION AND MONITORING SHALL BE CARRIED OUT BY THE CONTRACTOR USING THE GUIDELINES OUTLINED IN CAN/CSA-W202-18.

INSTALLATION AND MAINTENANCE OF THE ESC MEASURES SPECIFIED IN THIS PLAN SHALL BE CARRIED OUT USING THE GUIDELINES OUTLINED IN CSA W208:20 EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE.

INSPECTION OF THE ESC MEASURES NEED TO BE PERFORMED BY A PERSONS WHO HAVE OBTAINED THE RELEVANT EDUCATION AND TRAINING AND HAVE DEMONSTRATED EXPERIENCE AND EXPERTISE IN THE AREAS RELATING TO THE WORK REQUIRED TO BE CARRIED OUT.

MONITORING OF SEDIMENT AND EROSION CONTROLS

MONITORING AND REPORTING TO BE COMPLETED IN ACCORDANCE WITH THE MINISTRY OF THE ENVIRONMENT, CONSERVATION, AND PARKS (MECP) AND RIDEAU VALLEY CONSERVATION AUTHORITY(RVCA) APPROVALS.

MAINTENANCE PROGRAM

ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACEMENT WITHIN 48 HOURS OF THE INSPECTION. THE ENVIRONMENTAL MONITOR IS REQUIRED TO SUBMIT UPDATES TO THE TOWN/ REGION/ CONSERVATION AUTHORITY BY EMAIL IN A TIMELY MANNER. SEDIMENT SHOULD BE REMOVED FROM THE SEDIMENT CONTROL FENCING ONCE SEDIMENT HAS ACCUMULATED TO A LEVEL OF ONE-THIRD THE HEIGHT OF FENCING OR TO A HEIGHT OF 30 cm. ANY AMOUNT OF ACCUMULATED SEDIMENT SHOULD BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURES.

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. BM88U502.

ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

Minto Group

ABBOTT'S RUN

BLOCK 13

DSEL
120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
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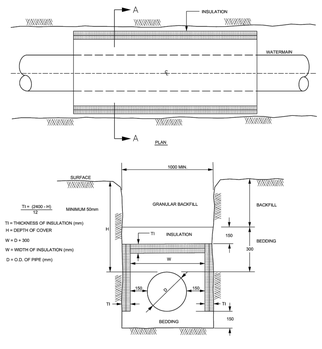
EROSION AND SEDIMENT CONTROL PLAN STAGE 2

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	19	OF 19
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____

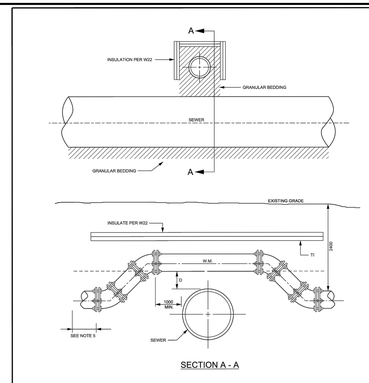


NOTES

FOR 150 ~ 400mm (NOMINAL DIAMETER) WATERMAINS, WHERE THE DEPTH OF COVER IS LESS THAN 2400mm

1. INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm.
2. IN PROXIMITY OF MAINTENANCE HOLES, CULVERTS, CATCHBASINS, ETC., INSULATION SHALL BE PLACED PER DETAIL W23
3. DEPTH OF COVER LESS THAN 1200mm REQUIRES SPECIAL DESIGN
4. STAGGER JOINTS OF MULTIPLE SHEETS.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

Ottawa	THERMAL INSULATION FOR WATERMAINS IN SHALLOW TRENCHES	DATE: MAY 2001 REV. DATE: MARCH 2013 DWG. No.: W22

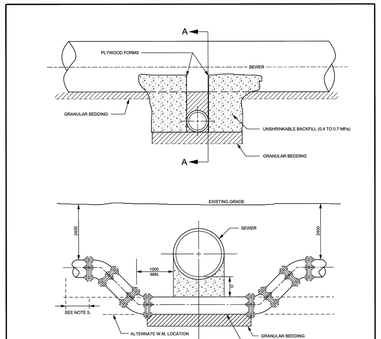


NOTES:

FOR WATERMAIN 100mm (NOMINAL) TO 400mm (NOMINAL)

1. BARREL TO BARREL SEPARATION (D) SHALL BE 200mm MINIMUM.
2. THRUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
3. FOR 300mm (NOMINAL) AND 400mm (NOMINAL) MAINS, BENDS SHALL BE MAX. 22° 30'.
4. CONCRETE FOR THRUST BLOCKS SHALL BE 20 MPa.
5. REFER TO W26.8 FOR RESTRAINED LENGTH REQUIREMENTS.
6. REFER TO W26.3 AND W26.4 FOR THRUST BLOCK REQUIREMENTS.
7. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
8. DESIGNED TO MEET THE INTENT OF THE MOE WATERMAIN DESIGN CRITERIA JUNE 2012.

Ottawa	WATERMAIN CROSSING OVER SEWER	DATE: MAY 2001 REV. DATE: MARCH 2013 DWG. No.: W25.2

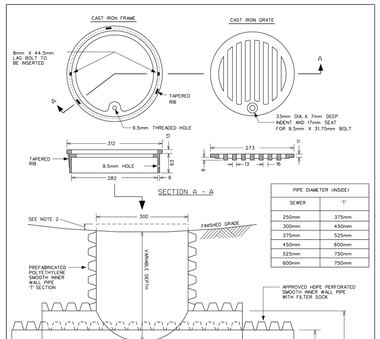


NOTES:

FOR WATERMAIN 150mm (NOMINAL) TO 400mm (NOMINAL)

1. BARREL TO INVERT SEPARATION (D) SHALL BE 500mm MINIMUM.
2. THRUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
3. FOR 300mm (NOMINAL) AND 400mm (NOMINAL) MAINS, BENDS SHALL BE MAX. 22° 30'.
4. CONCRETE FOR THRUST BLOCKS SHALL BE 20 MPa.
5. REFER TO W26.8 FOR RESTRAINED LENGTH REQUIREMENTS.
6. REFER TO W26.3 AND W26.4 FOR THRUST BLOCK REQUIREMENTS.
7. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
8. DESIGNED TO MEET THE INTENT OF THE MOE WATERMAIN DESIGN CRITERIA JUNE 2012.

Ottawa	WATERMAIN CROSSING BELOW SEWER	DATE: MAY 2001 REV. DATE: MARCH 2013 DWG. No.: W25

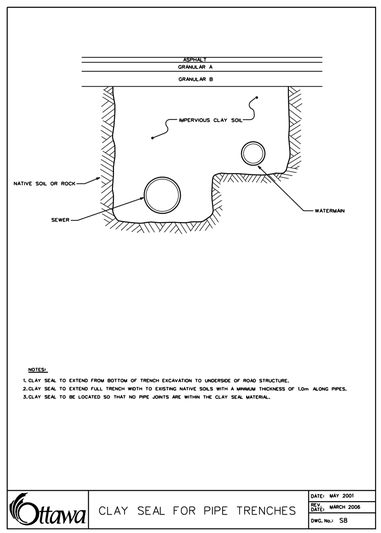


PIPE DIAMETER (INSIDE)	
SEWER	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 5cm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MIN. 2m FROM EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE 'T's HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER RECOMMENDED CONNECTION SLEEVE.

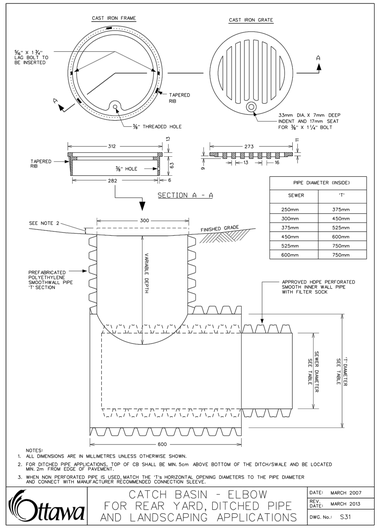
Ottawa	CATCH BASIN - 'T' FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS	DATE: MARCH 2007 REV. DATE: MARCH 2013 DWG. No.: S30



NOTES:

1. CLAY SEAL TO EXTEND FROM BOTTOM OF TRENCH EXCAVATION TO UNDERSIDE OF ROAD STRUCTURE.
2. CLAY SEAL TO EXTEND FULL TRENCH WIDTH TO EXISTING NATIVE SOILS WITH A MINIMUM THICKNESS OF 1.0m ALONG PIPES.
3. CLAY SEAL TO BE LOCATED SO THAT NO PIPE JOINTS ARE WITHIN THE CLAY SEAL MATERIAL.

Ottawa	CLAY SEAL FOR PIPE TRENCHES	DATE: MAY 2001 REV. DATE: MARCH 2008 DWG. No.: S8



PIPE DIAMETER (INSIDE)	
SEWER	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm

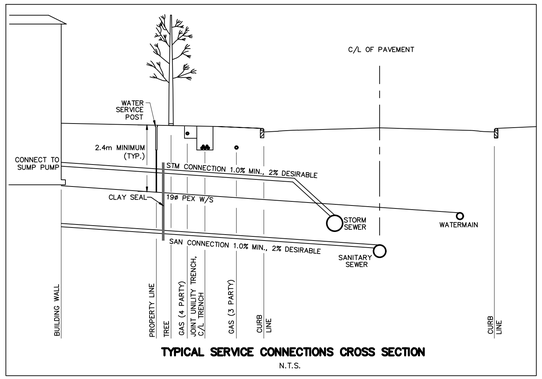
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 5cm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MIN. 2m FROM EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE 'T's HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER RECOMMENDED CONNECTION SLEEVE.

Ottawa	CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS	DATE: MARCH 2007 REV. DATE: MARCH 2013 DWG. No.: S31

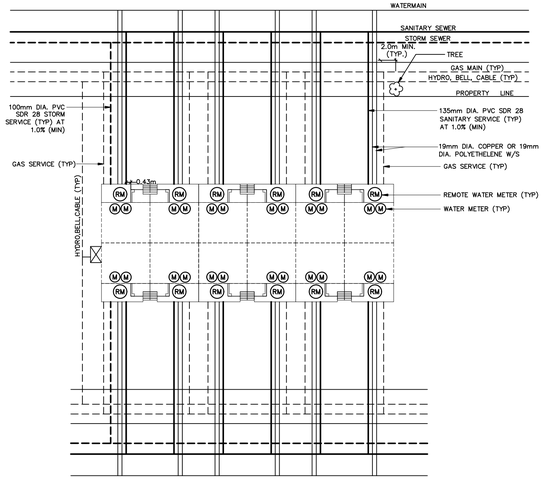
CB & INLET CONTROL DEVICE (ICD) DATA (Circular Orifice Plate)

STREET NAME	CATCHBASIN ID	PIPE DIA. (mm)	LENGTH (m)	INV. DEPTH (m)	TOP OF GRATE	GRATING COVER	INLET INV (m)	OUTLET INV (m)	ICD DIA. (mm)
PRIVATE STREET 1	CICB_1	200	1.99	1.47	102.27	S22	100.83	100.80	83
PRIVATE STREET 1	CICB_2	200	6.00	1.38	102.27	S22		100.89	
PRIVATE STREET 2	CB_3	200	7.39	1.38	102.90	S19 PERFORATED		101.52	
PRIVATE STREET 2	CB_4	200	1.35	1.50	102.92	S19 PERFORATED	101.45	101.42	83
PRIVATE STREET 1	CB_5	200	6.00	1.38	103.00	S19 PERFORATED		101.62	
PRIVATE STREET 1	CB_6	200	3.02	1.47	103.00	S19 PERFORATED	101.56	101.53	108
PRIVATE STREET 2	CB_7	200	4.30	1.50	102.88	S19 PERFORATED	101.44	101.38	83
PRIVATE STREET 2	CB_8	200	6.01	1.38	102.88	S19 PERFORATED		101.50	
PRIVATE STREET 1	CICB_9	200	2.52	1.47	103.19	S22	101.75	101.72	94
PRIVATE STREET 1	CB_10	200	6.00	1.38	103.19	S19 PERFORATED		101.81	
PRIVATE STREET 1	CB_11	200	9.84	1.50	103.22	S19 PERFORATED	101.78	101.72	83
PRIVATE STREET 1	CB_12	200	6.21	1.38	103.22	S19 PERFORATED		101.84	
PRIVATE STREET 1	CB_13	200	3.93	1.38	103.39	S19 PERFORATED		102.01	83
PRIVATE STREET 1	CB_14	200	6.79	1.38	103.19	S19 PERFORATED		101.81	94
PRIVATE STREET 1	CB_15	200	6.00	1.38	103.16	S19 PERFORATED		101.78	
PRIVATE STREET 1	CB_16	200	8.49	1.47	103.16	S19 PERFORATED	101.72	101.69	83
PRIVATE STREET 1	CB_20	200	10.77	1.38	102.89	S19 PERFORATED		101.51	94
PRIVATE STREET 2	CB_21	200	7.75	1.38	102.44	S19 PERFORATED		101.06	
PRIVATE STREET 2	CB_22	200	7.87	1.38	102.37	S19 PERFORATED		100.99	
PRIVATE STREET 1	CB_23	200	5.08	1.38	102.65	S19 PERFORATED		101.27	

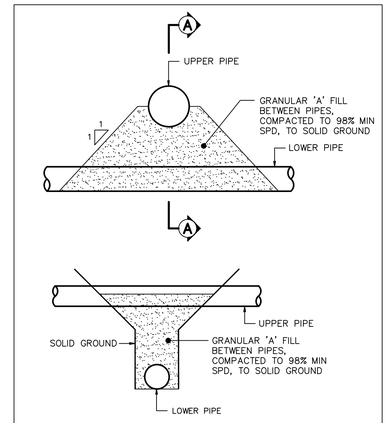


TYPICAL SERVICE CONNECTIONS CROSS SECTION

N.T.S.



TYPICAL SERVICE CONNECTION STACKED TOWNHOMES



SECTION A–A

PIPE CROSSING DETAIL

SCALE: N.T.S.

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. BM88U502.

ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

1295-17-1295 DWG3

Minto Group

ABBOTT'S RUN

BLOCK 13

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120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
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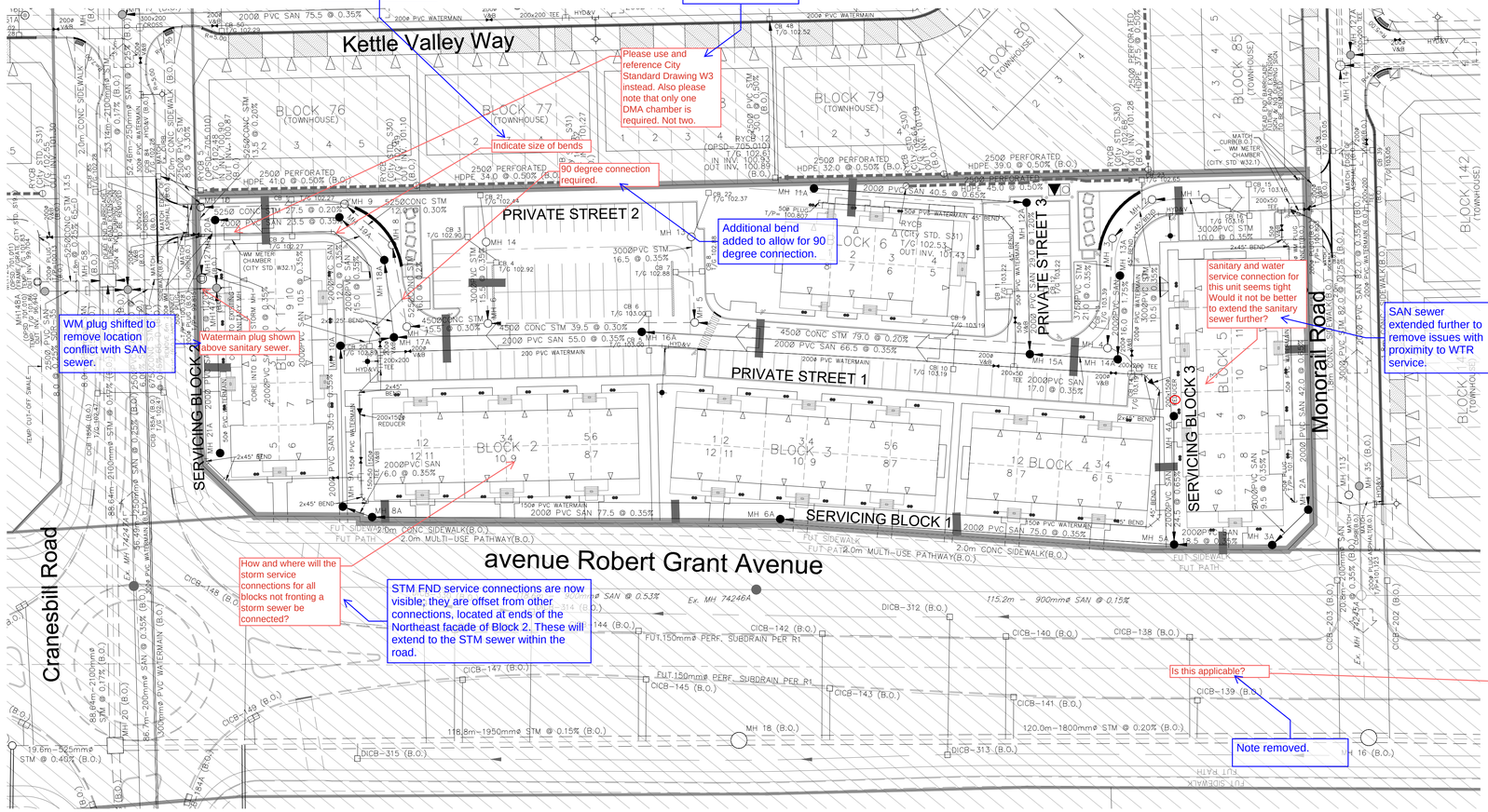
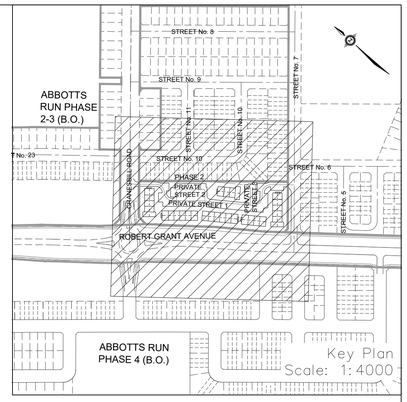
Fax. (613) 836-7183
www.DSEL.ca

DETAILS AND TABLE

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	2	OF 19
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No._D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No._XXXXXXX_____





LEGEND

- CROSS
- 45° BEND
- LATERAL
- HYDRANT, VALVE & VB
- TEE
- VALVE & VC
- VALVE & VB
- 22.5° BEND
- 11.25° BEND
- REDUCER
- CAP
- STREET CATCHBASIN & LEAD
- STREET CATCHBASIN WITH CLOSED LID & LEAD
- STORM MAINTENANCE HOLE
- CURB INLET CATCH-BASIN & LEAD
- CATCHBASIN/ MAINTENANCE HOLE INTERCONNECTED
- CATCH BASIN & LEADS
- CAP
- TEE CATCHBASIN
- PERFORATED PIPE AND SWALE
- ELBOW CATCHBASIN
- PROPOSED SWALE
- SANITARY MAINTENANCE HOLE (WATERTIGHT LID PER OPSD 401.030)
- SANITARY MAINTENANCE HOLE
- CAP
- PREVIOUS PHASES/ FUTURE PHASES
- RETAINING WALL (SEE NOTES ON DWG. 1 AND STRUCTURAL DWG'S FOR DETAIL)
- SINGLE SERVICE LOCATION (SAN & WM)
- CURB STOP
- SINGLE SERVICE LOCATION (ST, SAN & WM)
- HYDRO SWITCHGEAR
- HYDRO TRANSFORMER
- STREET LIGHT STANDARD
- DITCH AND CULVERT
- CONCRETE SIDEWALK (PER CITY OF OTTAWA STD SC1.4)
- BARRIER CURB, BARRIER CURB WITH GUTTER & DEPRESSED CURB (PER CITY OF OTTAWA STD SC1.1, SC1.2, SC1.3)
- TRANSFORMER
- ASPHALT SIDEWALK
- BLACK VINYL COATED CHAINLINK FENCE (1.5m UNLESS OTHERWISE NOTED)
- NOISE BARRIER
- WOODEN POST AND RAIL FENCE
- CONSTRUCTION FENCE
- POST AND RAIL FENCE
- PHASING LIMITS
- PROPERTY BOUNDARY
- OVERLAND FLOW DIRECTION
- EXTERNAL OVERLAND FLOW DIRECTION
- EMERGENCY OVERLAND FLOW DIRECTION
- TACTILE WALKING SURFACE INDICATOR (AS PER CITY OF OTTAWA STD. SC6, SC7, SC7.1, SC7.2, SC7.3)
- CLAY SEAL (REFER TO GENERAL NOTES, No. 18. ON DWG. No. 1, AND GEOTECHNICAL CONSULTANT'S SPECIFICATIONS)
- EXISTING SANITARY MAINTENANCE HOLE
- EXISTING STORM MAINTENANCE HOLE
- BIKE RACK
- EARTHBIN (DWG. 3 FOR DETAILS)

NOTES:

1. ANY DISTURBED AREA DURING CONSTRUCTION TO BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION
2. CONTRACTOR TO VERIFY THE PRECISE LOCATIONS AND INVERT ELEVATIONS OF Ex. UNDERGROUND SERVICES AND Ex. UTILITIES PRIOR TO STARTING CONSTRUCTION
3. ALL EXISTING ABOVE GROUND FEATURES, E.G. MH/CHAMBER COVERS, PEDESTALS, HYDRO AND LIGHT POLES, ETC. AFFECTED BY THE DEVELOPMENT TO BE ADJUSTED TO SUIT TO THE SATISFACTION OF PARTIES AFFECTED
4. ALL EXISTING BUILDING, SHED, POST & WIRE FENCE, CHAIN LINK FENCE, TREE, UTILITY WIRE, POLE, CULVERT AND POOL WITHIN LOTS AND BLOCKS TO BE REMOVED, UNLESS OTHERWISE NOTED
5. ALL EXISTING POST & WIRE FENCE, CULVERTS, UTILITY WIRE / POLES, TREES, SHRUBS ETC. WITHIN LOTS, BLOCKS AND ROADS TO BE REMOVED, UNLESS OTHERWISE NOTED
6. PERMISSION REQUIRED FOR REMOVAL OF EXISTING TREES ON EXTERNAL LANDS WHERE APPLICABLE
7. PERMISSION REQUIRED FOR WORK ON ADJACENT LANDS
8. FOR RLCB LAYOUT & TYPICAL EASEMENT DETAIL REFER TO DRAWING No. 4
9. ANY DISTURBED MATERIAL ENCOUNTERED BELOW THE SUBGRADE LEVEL WITHIN A BUILDING FOOTPRINT TO BE SUB-EXCAVATED AND BACKFILLED WITH COMPACTED ENGINEERED FILL AS PER GEOTECHNICAL ENGINEERS RECOMMENDATION.
10. FOR WATERMAIN CROSSING BELOW AND ABOVE SEWERS, REFER TO CITY STD. W25 AND W25.2, RESPECTIVELY, WHERE APPLICABLE
11. ALL WATERMAIN CONNECTIONS AND DECOMMISSIONING OF EXISTING WATERMAINS TO BE COMPLETED BY CITY FORCES. TRENCH BACKFILL/REINSTATEMENT TO BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF OTTAWA
12. FOR WATERMAIN STUBS, 2.4m MIN. COVER TO BE PROVIDED
13. THE COVER OF EX. MH, CB, CHAMBER AND OTHER ABOVEGROUND FEATURES TO BE ADJUSTED TO SUIT THE NEW FINISHED GRADE, WHERE APPLICABLE
14. INSULATION REQUIRED FOR WATERMAIN / WATER SERVICE WHERE THE SEPARATION BETWEEN WATERMAIN / WATER SERVICE AND OTHER SERVICES AND STRUCTURES IS LESS THAN 1.2m AND THE COVER IS LESS THAN 2.4m. REFER TO CITY STD. W23 FOR DETAIL.
15. FOR SERVICE INSTALLATION AT SEWER CROSSING, REFER TO CITY STD. W38 FOR DETAIL
16. FOR HOUSE CONNECTIONS INSTALLED UNDER DRIVEWAYS, SLEEVE SHALL BE USED UNDER THE GARAGE SLAB.
17. FOR CATCHBASIN AND ICD DATA, REFER TO DWG. No. 2 FOR DETAILS.

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

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ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

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BLOCK 13

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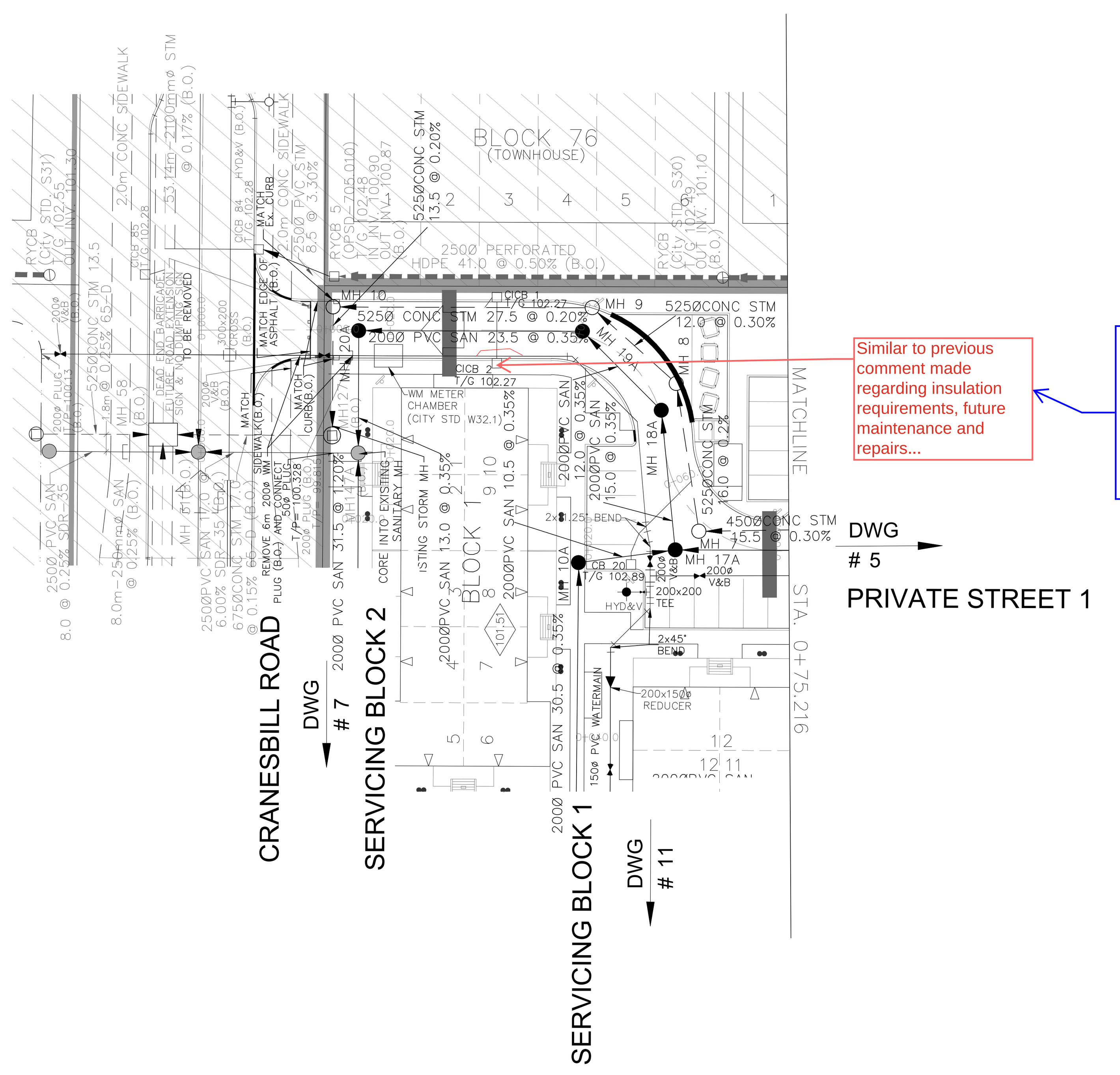
GENERAL PLAN

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	3	OF 19
SCALE: 1:500	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____

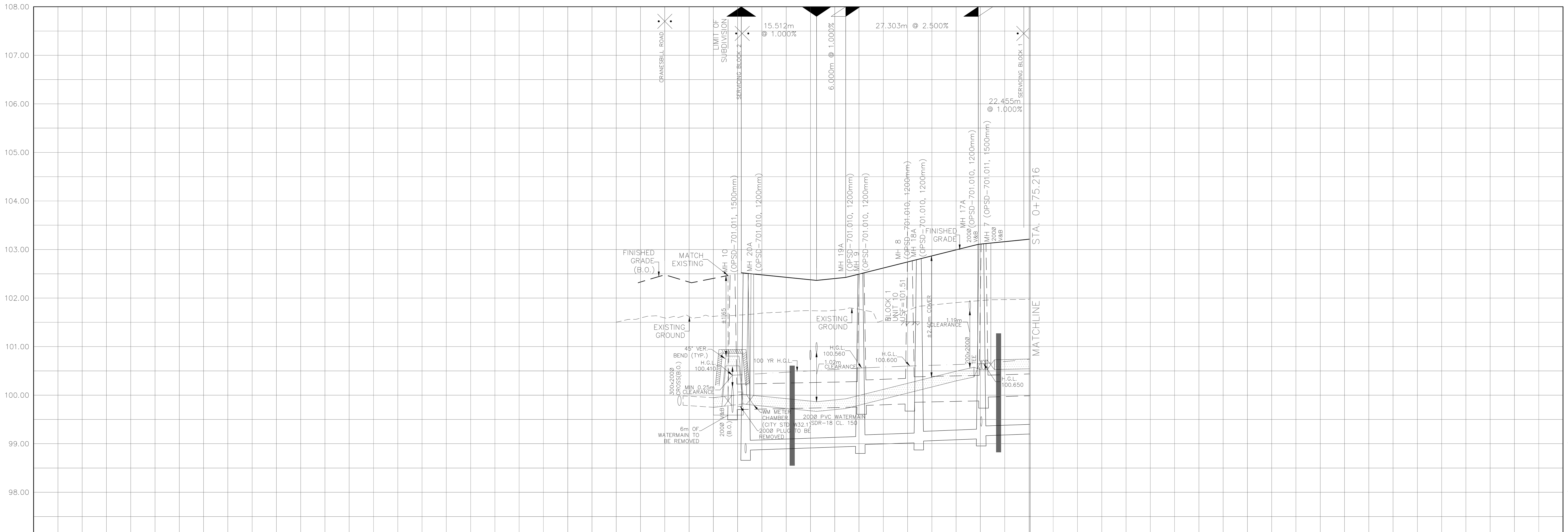
NOTES:

1. ANY DISTURBED AREA DURING CONSTRUCTION TO BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION
2. CONTRACTOR TO VERIFY THE PRECISE LOCATIONS AND INVERT ELEVATIONS OF Ex. UNDERGROUND SERVICES AND Ex. UTILITIES PRIOR TO STARTING CONSTRUCTION
3. ALL EXISTING TREES, SHRUBS ETC. WITHIN LOTS, BLOCKS AND ROADS TO BE REMOVED, UNLESS OTHERWISE NOTED
4. PERMISSION REQUIRED FOR WORK ON ADJACENT LANDS
5. FOR WATERMAIN STUBS, 2.4m MIN. COVER TO BE PROVIDED
6. ANY DISTURBED MATERIAL ENCOUNTERED BELOW THE SUBGRADE LEVEL WITHIN A BUILDING FOOTPRINT TO BE SUB-EXCAVATED AND BACKFILLED WITH COMPACTED ENGINEERED FILL AS PER GEOTECHNICAL ENGINEERS RECOMMENDATION
7. FOR CATCHBASIN DATA, REFER TO DWG. No. 2 FOR DETAILS
8. ALL DWELLINGS TO BE PROVIDED WITH PRESSURE REDUCING VALVES UNLESS OTHERWISE NOTED.
9. WATERMAIN INSULATION TO BE PROVIDED PER CITY STD. W22.
10. WATERMAINS OVER SEWERS TO BE PER CITY STD. W25.2
11. WATERMAINS UNDER SEWERS TO BE PER CITY STD. W25

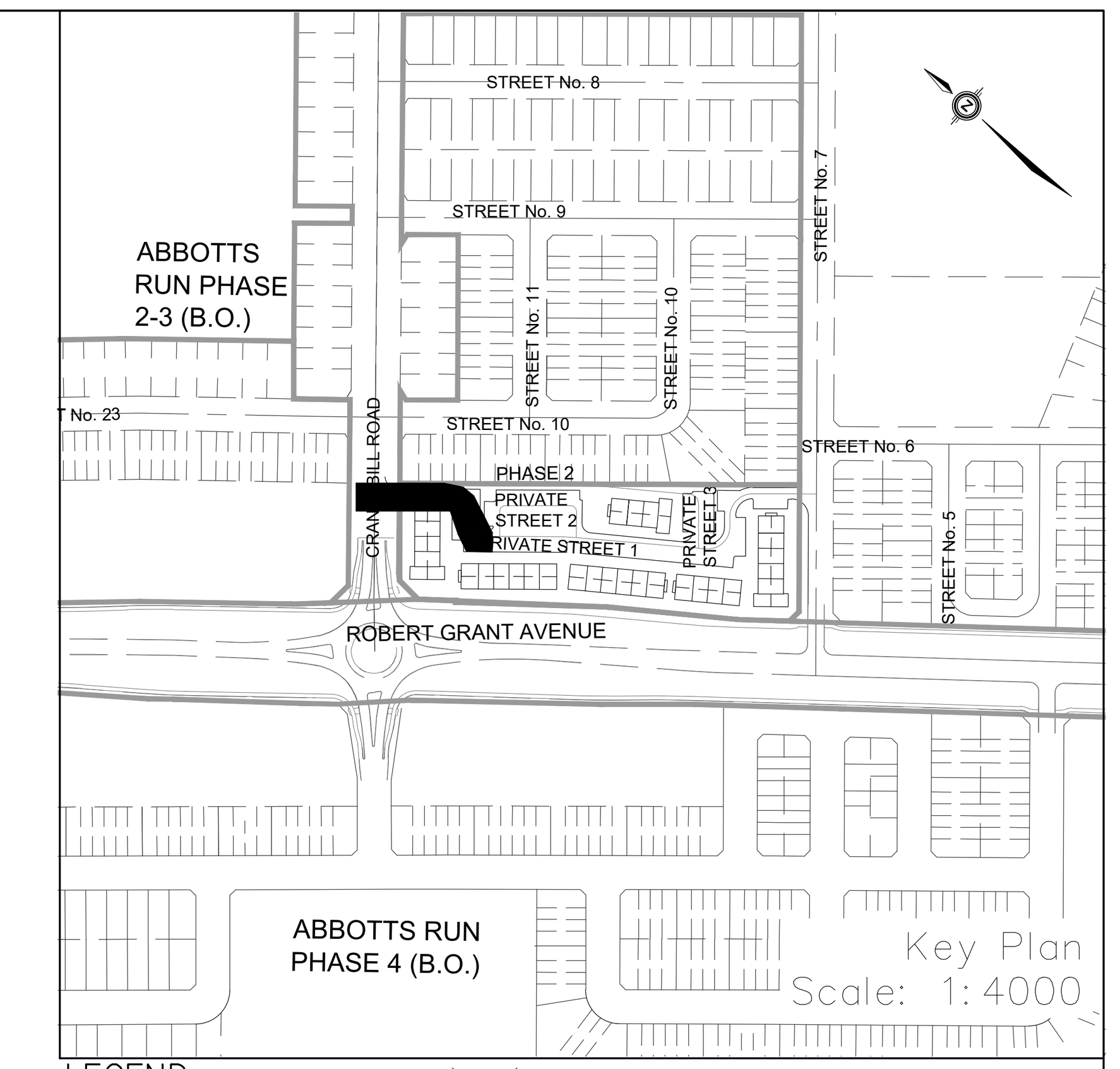


Similar to previous comment made regarding insulation requirements, future maintenance and repairs...

WM adjusted around CB to allow for insulation install as per W23 & for mitigation of issues during later maintenance/repairs.



TOP OF WATERMAIN	300x200Ø CROSS(B.O.) 99.980; 99.815 (B.O.); 2x45° VER. BEND 99.940 100.805; 2x45° VER. BEND 100.805 100.017; 99.978; 99.865; 99.925; 99.989; 100.314; 100.382; 100.493; 100.545 200Ø V&B; 100.592 200x200Ø TEE; 100.607 200Ø V&B; 100.726
SANITARY INVERT	SW 98.805, SE 98.865; 200Ø PVC SAN 23.5 @ 0.35% SDR-35; NW 98.947, S 98.977; 200Ø PVC SAN 12.0 @ 0.35% SDR-35; N 99.019, SW 99.049; 200Ø PVC SAN 15.0 @ 0.35% SDR-35; NE 99.102, NW 99.357, SE 99.162; 200Ø PVC SAN 55.0 @ 0.35% SDR-35
STORM INVERT	SW 99.641, SE 99.701; 525Ø CONC STM 27.5 @ 0.20% 65-D; NW 99.756, S 99.786; 525Ø CONC STM 12.0 @ 0.30% 65-D; N 99.822, SW 99.852; 525Ø CONC STM 16.0 @ 0.20% 65-D; NE 99.884, SE 99.959; 450Ø CONC STM 15.5 @ 0.30% 65-D
PROPOSED GRADES	102.484; 102.511; 102.500; 102.507; 102.755; 102.801; 103.114; 103.118
CENTERLINE CHAINAGE	0-002.681; 0+000.000; 0+005.500; 0+011.732; 0+015.750; 0+015.952; 0+020.000; 0+031.262; BC 0+037.057; 0+037.262; 0+040.000; 0+052.841; CC 0+055.546; 0+060.000; 0+062.349; 0+064.437; 0+064.565; 0+065.105; 0+067.142; EC 0+073.937



LEGEND

- CROSS
- 45° BEND
- LATERAL
- HYDRANT, VALVE & VB
- TEE
- VALVE & VC
- VALVE & VB
- 22.5° BEND
- 11.25° BEND
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- STREET LIGHT STANDARD
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- CURB & DEPRESSED CURB
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- POST AND RAIL FENCE
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- PROPERTY BOUNDARY
- BOREHOLE (BH), TEST PIT (TP), AUGER HOLE (AH), MONITORING WELL LOCATION, CONCEPTUAL WELL LOCATION — AS PER GEOTECHNICAL REPORT
- UNDERSIDE OF FOOTING ELEVATION
- NUMBER OF RISERS
- UNITS REQUIRING PRESSURE REDUCING VALVES — PRV
- WALKOUT UNITS — W.O.
- SLAB ON GRADE — SOG
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NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

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ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
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CITY OF OTTAWA

PROJECT No. 1295_Block13

LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

Minto Group

ABBOTT'S RUN

BLOCK 13

120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
Tel. (613) 836-0856
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Private Street 1

STA. 0+-10.000 TO STA. 0+75.216

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	4 OF 19
SCALE: H=1:500 / V=1:50	DATE: JUNE 2025	

CITY FILE No. _D07-XX-XX-XXXX___ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX___

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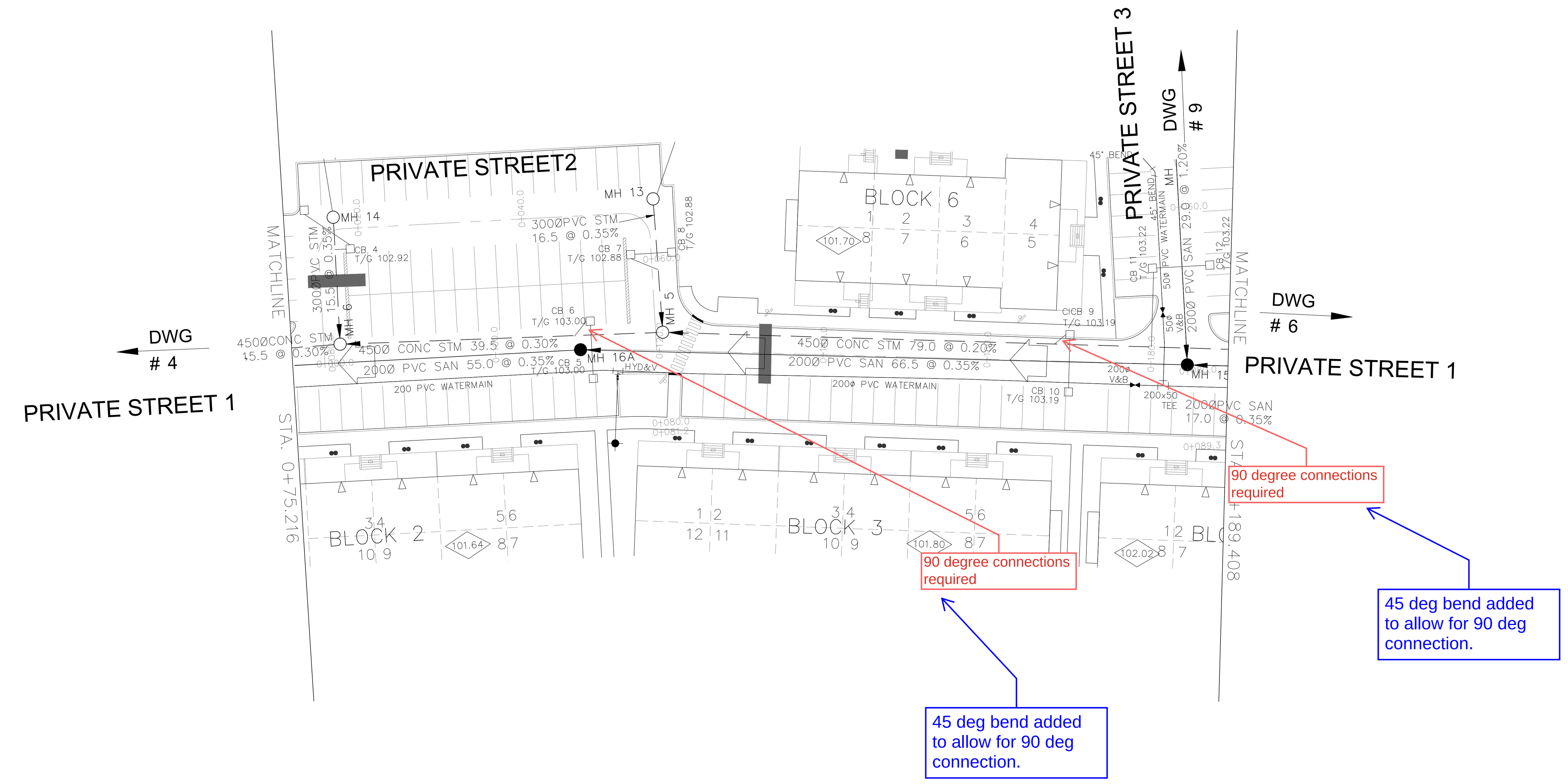

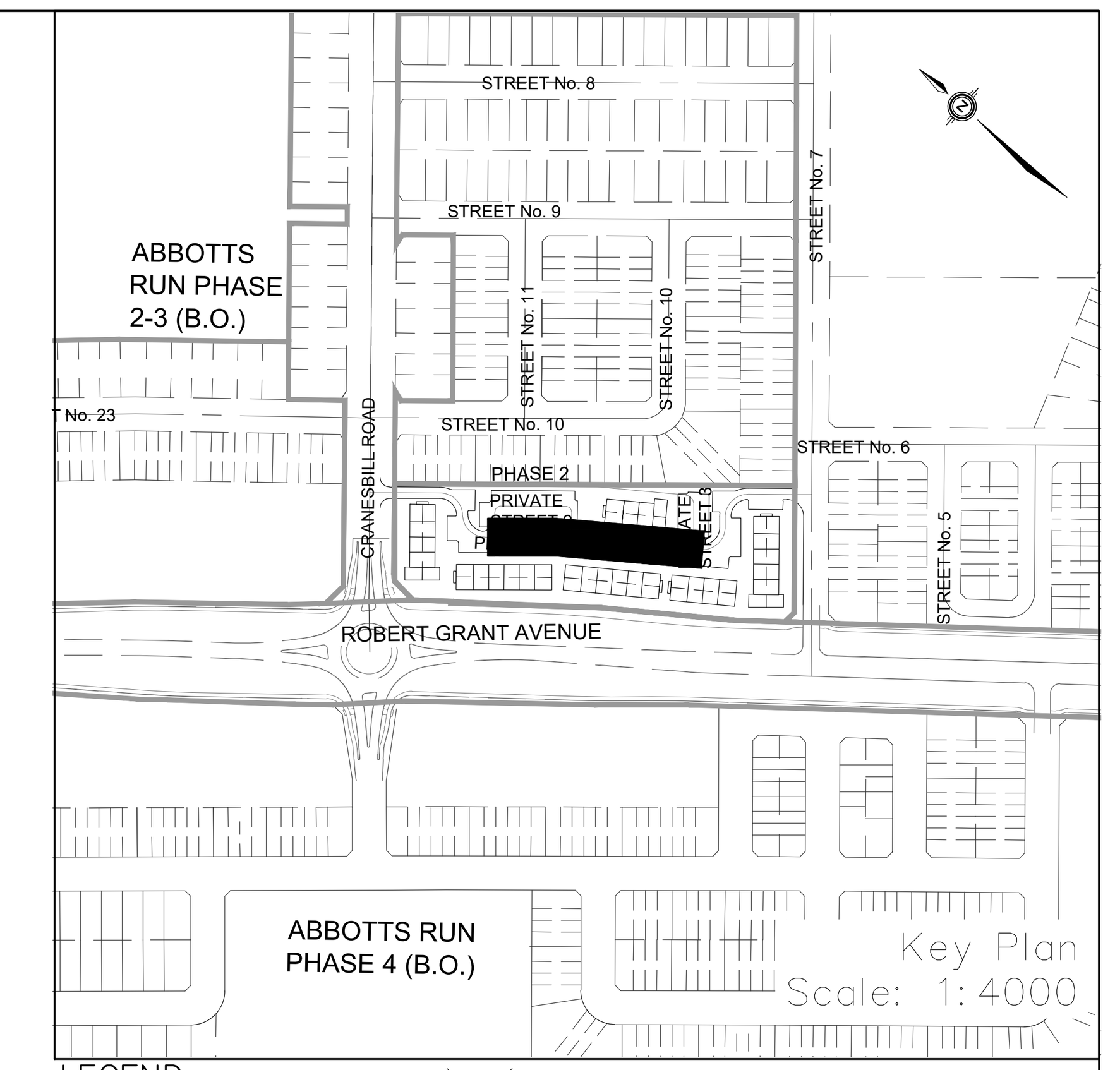

LEGEND

CROSS; 45° BEND; LATERAL; HYDRANT, VALVE & VB; TEE; VALVE & VC; VALVE & VB; 22.5° BEND; 11.25° BEND; REDUCER; CAP; SANITARY MAINTENANCE HOLE; CAP; STREET CATCHBASIN & LEAD; STREET CATCHBASIN WITH CLOSED LID & LEAD; STORM MAINTENANCE HOLE; CURB INLET CATCHBASIN & LEAD; CATCHBASIN/ MAINTENANCE HOLE; INTERCONNECTED CATCH BASIN & LEADS; CAP; CURB STOP; SINGLE SERVICE LOCATION (ST, SAN & WM); TEE CATCHBASIN; PERFORATED PIPE; ELBOW CATCHBASIN; DITCH AND CULVERT; HYDRO TRANSFORMER; RETAINING WALL (SEE NOTES ON DWG. 1 AND STRUCTURAL DWG'S FOR DETAIL); SINGLE SERVICE LOCATION (ST, SAN & WM)

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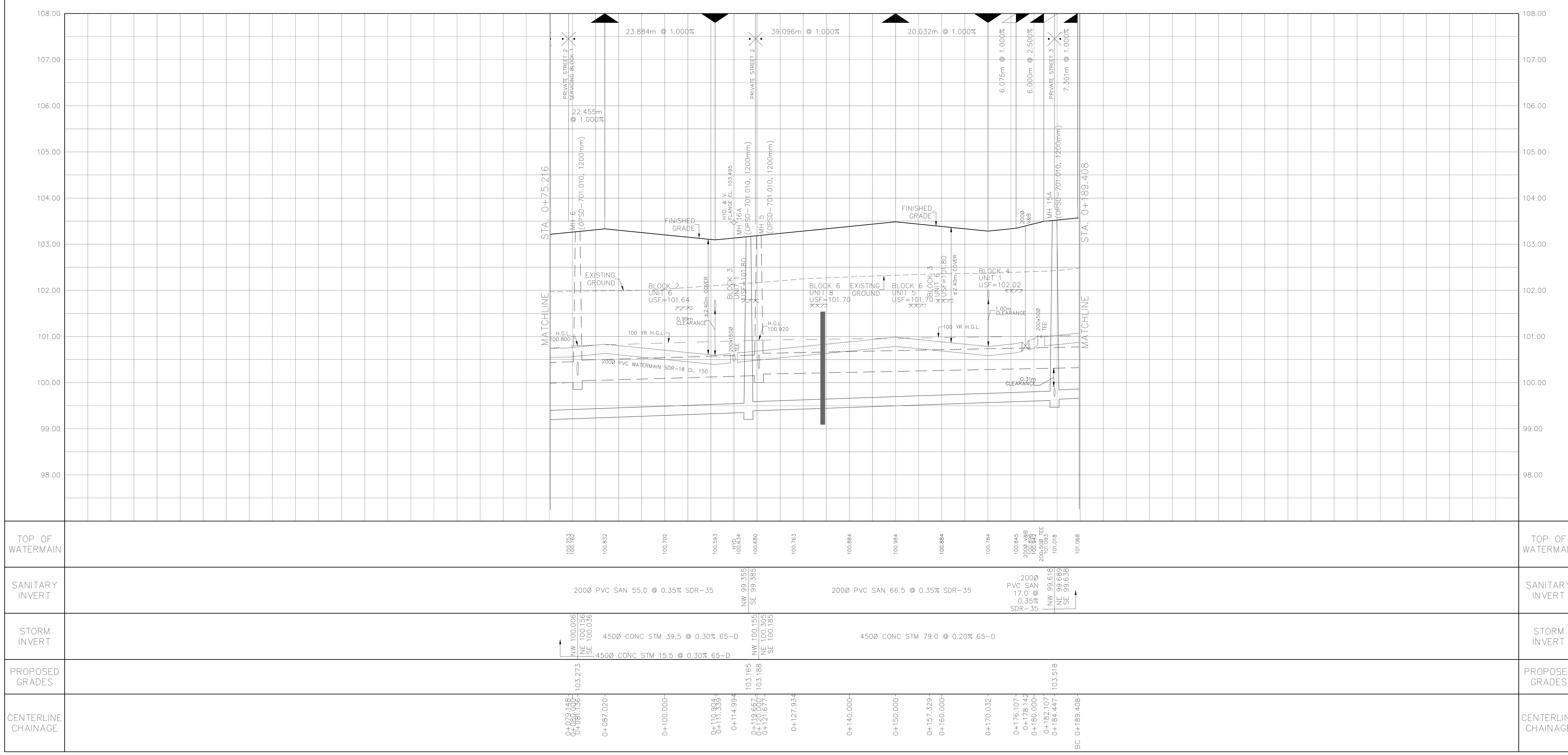

NOT FOR CONSTRUCTION

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TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

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LICENSED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

JOB# 22-1295 BLK13

Minto Group

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Private Street 1

STA. 0+75.216 TO STA. 0+189.408

DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	5 OF 19	
SCALE: H=1:500 / V=1:50	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX____ CITY PLAN No.XXXXXXX_ ZBLA FILE No. _XXXXXXX____

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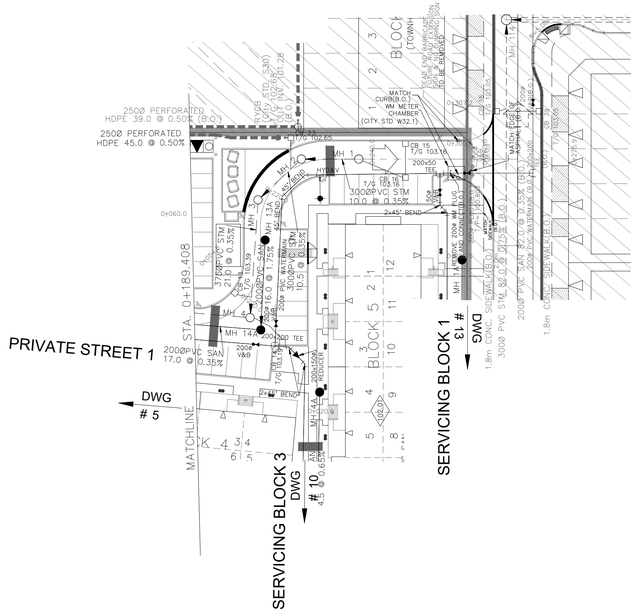

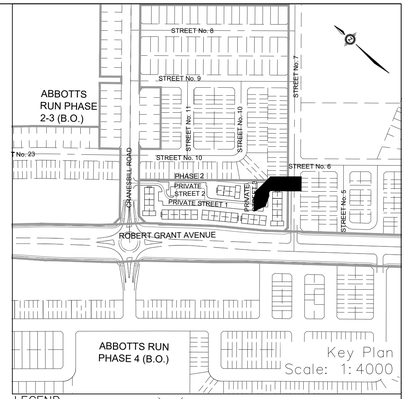

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PROJECT No. 1295_Block13

MERRICK 100186523 PROFESSIONAL ENGINEER PROVINCE OF ONTARIO 2025-06-20

Minto Group

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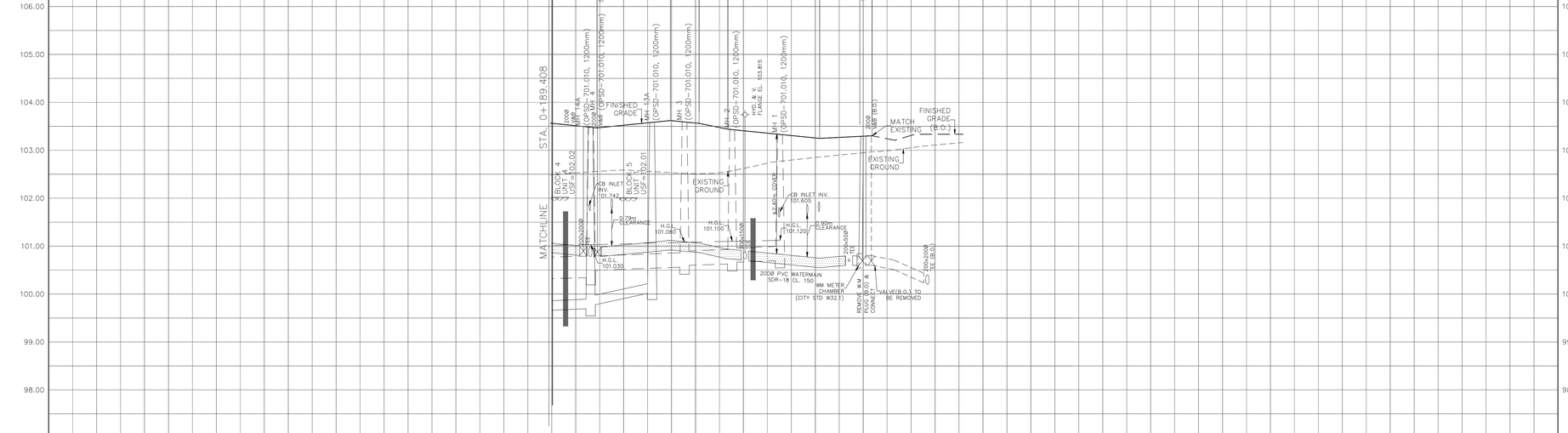
CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____



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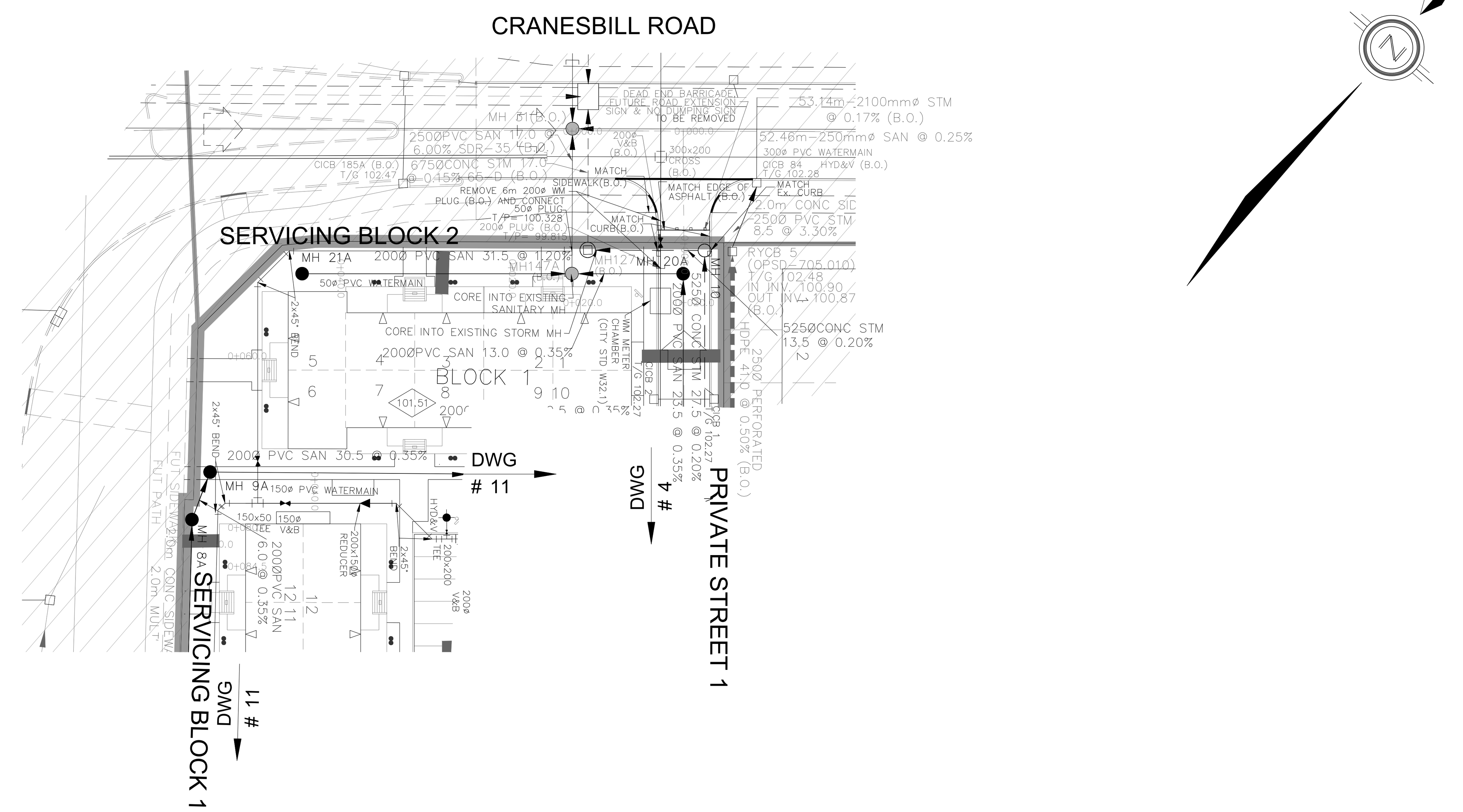

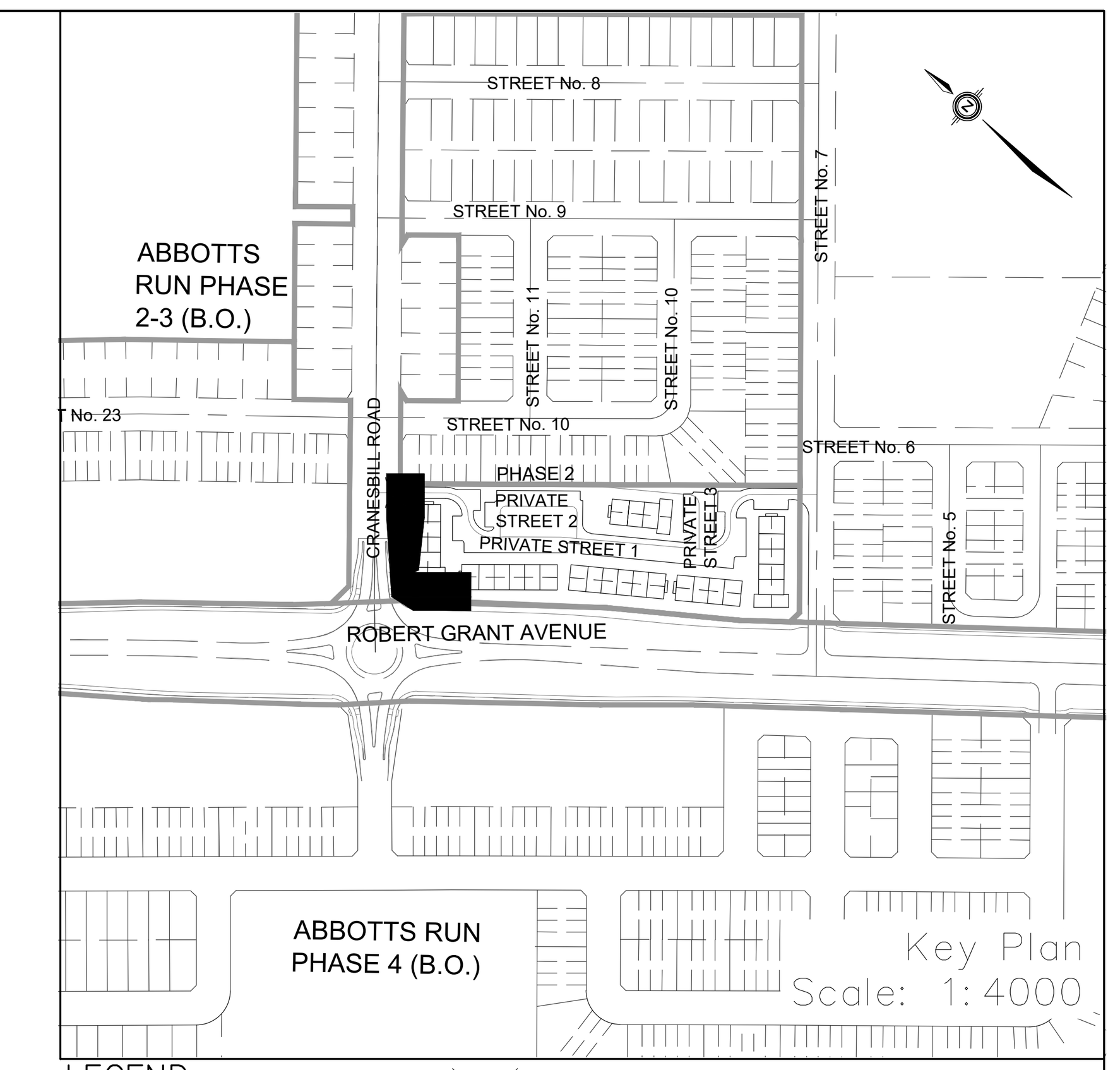

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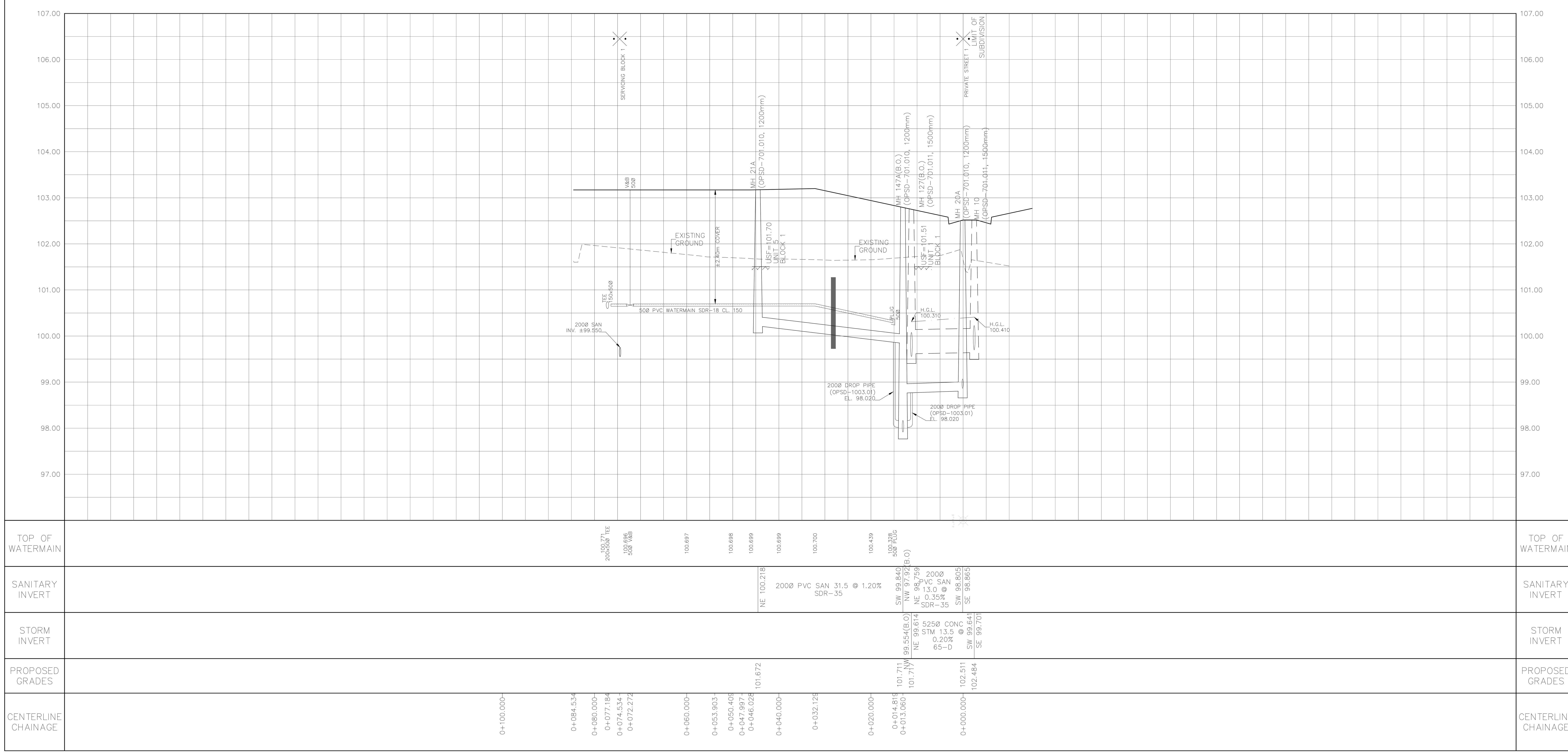

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Servicing Block 2

STA. 0+-10.000 TO STA. 0+84.534

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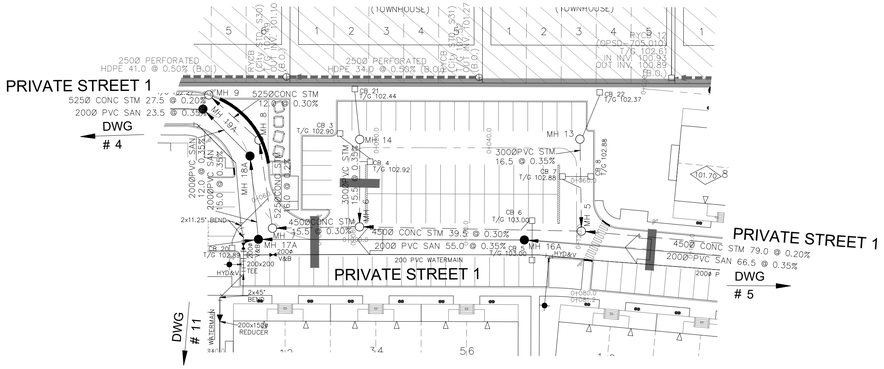
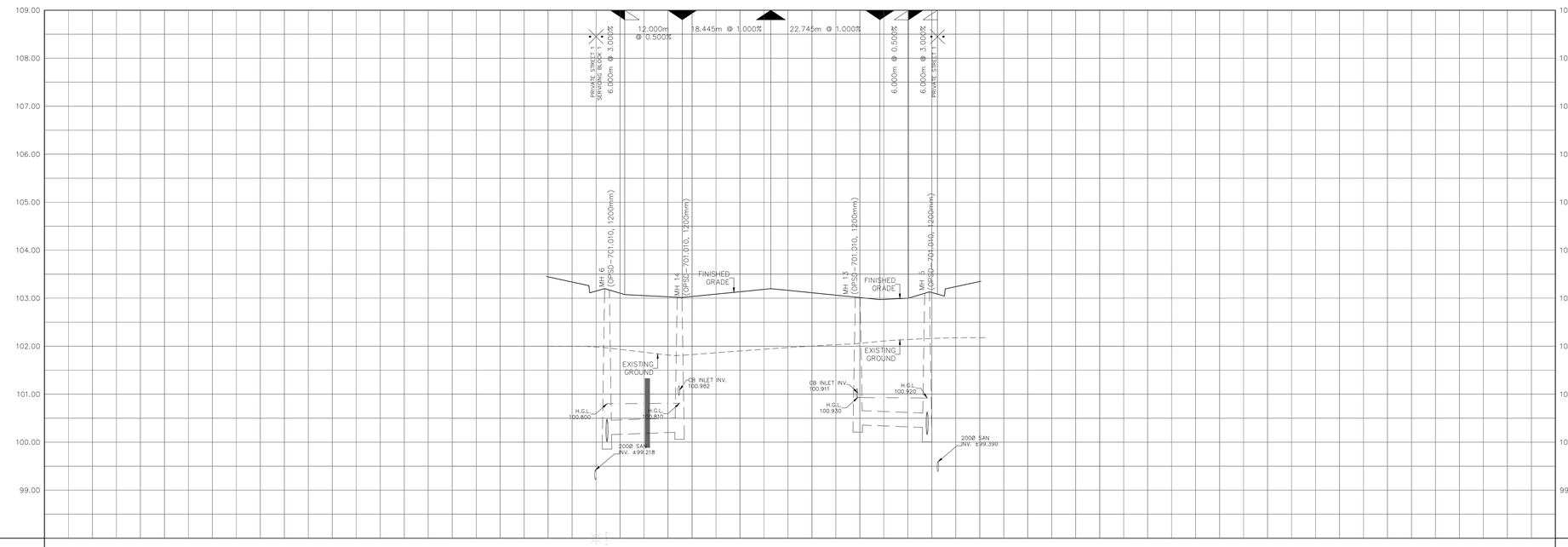
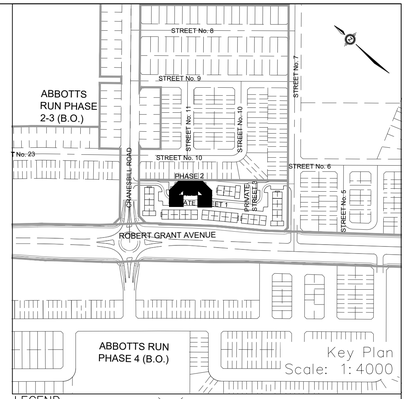
11. WATERMAINS UNDER SEWERS TO BE PER CITY STD. W25







LEGEND

CROSS
45° BEND
LATERAL
HYDRANT, VALVE & VB
TEE
VALVE & VC
VALVE & VB
22.5° BEND
11.25° BEND
REDUCER
CAP
SANITARY MAINTENANCE HOLE
CAP
STREET CATCHBASIN & LEAD
STREET CATCHBASIN WITH CLOSED LID & LEAD
STORM MAINTENANCE HOLE
CURB INLET CATCHBASIN & LEAD
CATCHBASIN/ MAINTENANCE HOLE INTERCONNECTED
CATCH BASIN & LEADS
CAP
CURB STOP
SINGLE SERVICE LOCATION (ST, SAN & WM)
TEE CATCHBASIN
PERFORATED PIPE
ELBOW CATCHBASIN
DITCH AND CULVERT
HYDRO TRANSFORMER
RETAINING WALL (SEE NOTES ON DWG. 1 AND STRUCTURAL DWG'S FOR DETAIL)
SINGLE SERVICE LOCATION (ST, SAN & WM)

STREET LIGHT STANDARD
CONCRETE SIDEWALK
CURB & DEPRESSED CURB
ASPHALT SIDEWALK
CHAINLINK FENCE, 1.5m UNLESS OTHERWISE NOTED)
NOISE BARRIER (2.2m)
WOODEN POST AND RAIL FENCE
CONSTRUCTION FENCE
POST AND RAIL FENCE
PHASING LIMITS
PROPERTY BOUNDARY
BOREHOLE (BH)
TEST PIT (TP)
AUGER HOLE (AH)
MONITORING WELL LOCATION
CONCEPTUAL WELL LOCATION
UNDERSIDE OF FOOTING ELEVATION
NUMBER OF RISERS
UNITS REQUIRING PRESSURE REDUCING VALVES
WALKOUT UNITS
SLAB ON GRADE
OVERLAND FLOW DIRECTION
EXTERNAL OVERLAND FLOW DIRECTION
EMERGENCY OVERLAND FLOW DIRECTION
TACTILE WALKING SURFACE INDICATOR (AS PER CITY OF OTTAWA STD. SC6, SC7, SC7.1, SC7.2, SC7.3)
PREVIOUS PHASES
EXISTING SANITARY MAINTENANCE HOLE
EXISTING STORM MAINTENANCE HOLE
CLAY SEAL (REFER TO GENERAL NOTES No. 18. ON DWG. No. 1, AND GEOTECHNICAL CONSULTANT'S SPECIFICATIONS)

AS PER GEOTECHNICAL REPORT

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 21942-22 DATED SEPTEMBER 1, 2022

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY SRN ARCHITECTS, DATED ON JUNE 10, 2025.

ELEVATION NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. BM88U502.

ELEVATION = 106.039 m

No.	BY	DATE	DESCRIPTION
1	S.L.M	2025-06-20	1st SUBMISSION

CITY OF OTTAWA

PROJECT No. 1295_Block13

MCERED PROFESSIONAL ENGINEER S. L. MERRICK 100186523 2025-06-20 PROVINCE OF ONTARIO

Minto Group

ABBOTT'S RUN

BLOCK 13

120 Iber Road, Unit 103
Stittsville, ON K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

Private Street 2

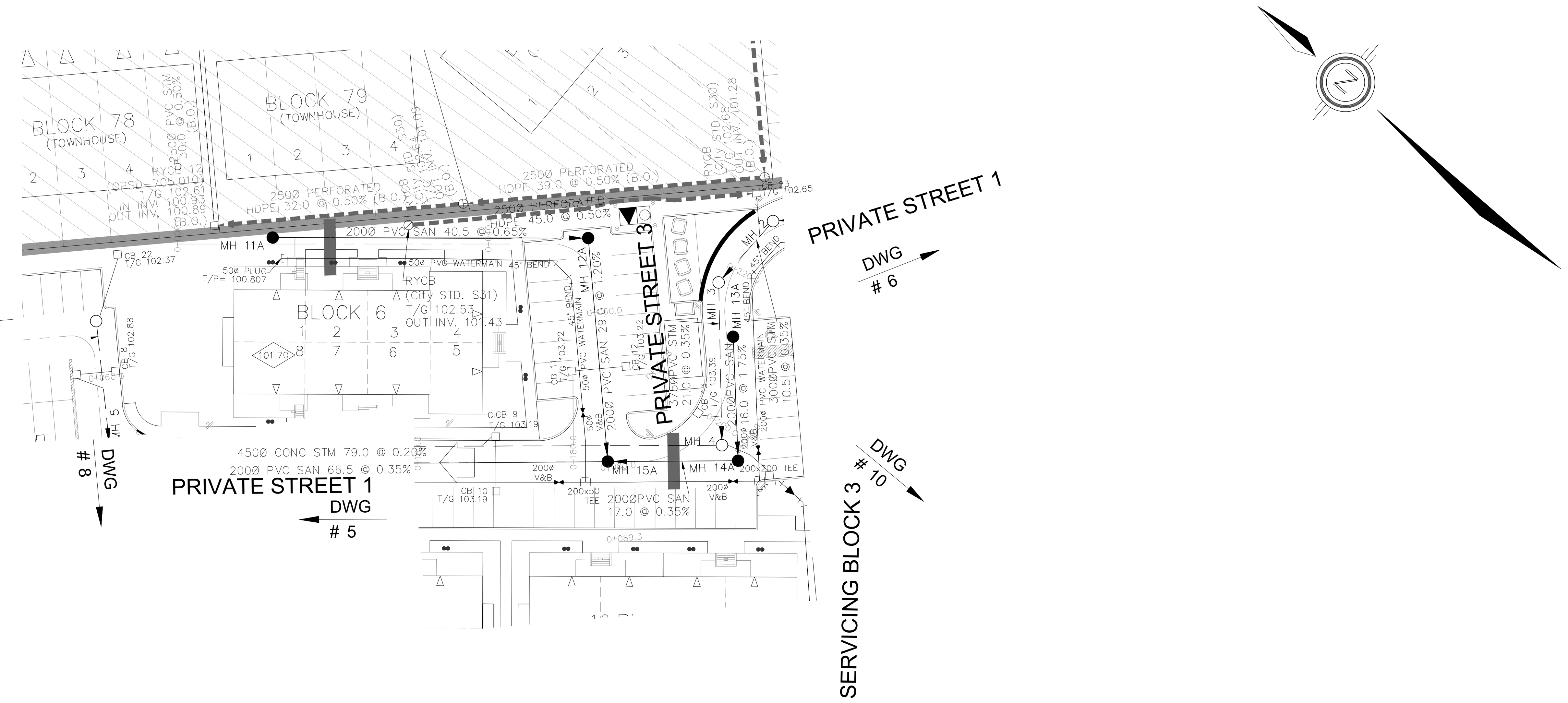
STA. 0+-10.000 TO STA. 0+81.173

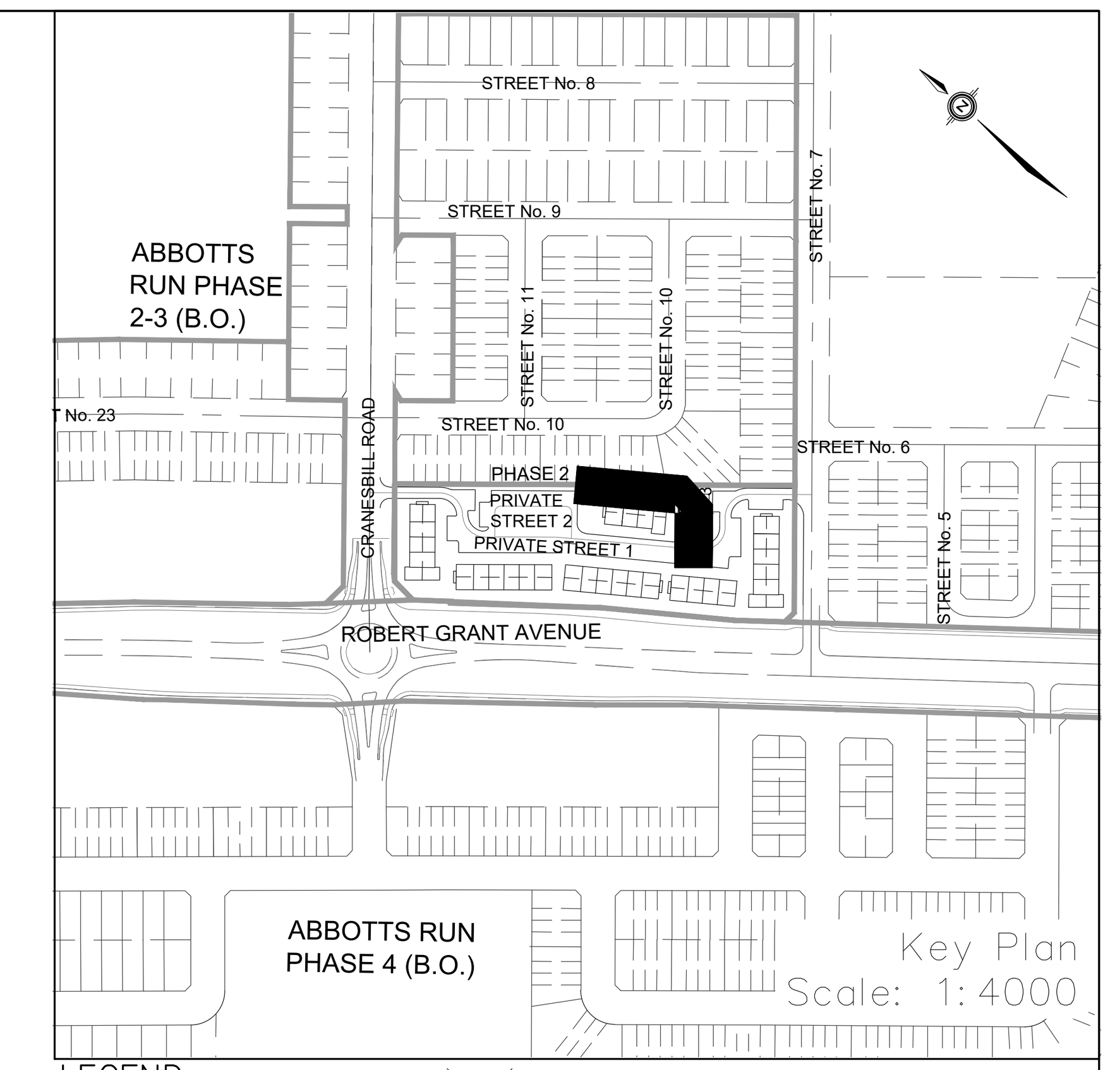
DRAWN BY: E.D.	CHECKED BY: S.L.M.	SHEET NO.	
DESIGNED BY: E.D.	CHECKED BY: S.L.M.	8	OF 19
SCALE: H= 1:500 / V=1:50	DATE: JUNE 2025		

CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX_____

NOTES:

1. ANY DISTURBED AREA DURING CONSTRUCTION TO BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION
2. CONTRACTOR TO VERIFY THE PRECISE LOCATIONS AND INVERT ELEVATIONS OF Ex. UNDERGROUND SERVICES AND Ex. UTILITIES PRIOR TO STARTING CONSTRUCTION
3. ALL EXISTING TREES, SHRUBS ETC. WITHIN LOTS, BLOCKS AND ROADS TO BE REMOVED, UNLESS OTHERWISE NOTED
4. PERMISSION REQUIRED FOR WORK ON ADJACENT LANDS
5. FOR WATERMAIN STUBS, 2.4m MIN. COVER TO BE PROVIDED
6. ANY DISTURBED MATERIAL ENCOUNTERED BELOW THE SUBGRADE LEVEL WITHIN A BUILDING FOOTPRINT TO BE SUB-EXCAVATED AND BACKFILLED WITH COMPACTED ENGINEERED FILL AS PER GEOTECHNICAL ENGINEERS RECOMMENDATION
7. FOR CATCHBASIN DATA, REFER TO DWG. No. 2 FOR DETAILS
8. ALL DWELLINGS TO BE PROVIDED WITH PRESSURE REDUCING VALVES UNLESS OTHERWISE NOTED.
9. WATERMAIN INSULATION TO BE PROVIDED PER CITY STD. W22.
10. WATERMAINS OVER SEWERS TO BE PER CITY STD. W25.2
11. WATERMAINS UNDER SEWERS TO BE PER CITY STD. W25





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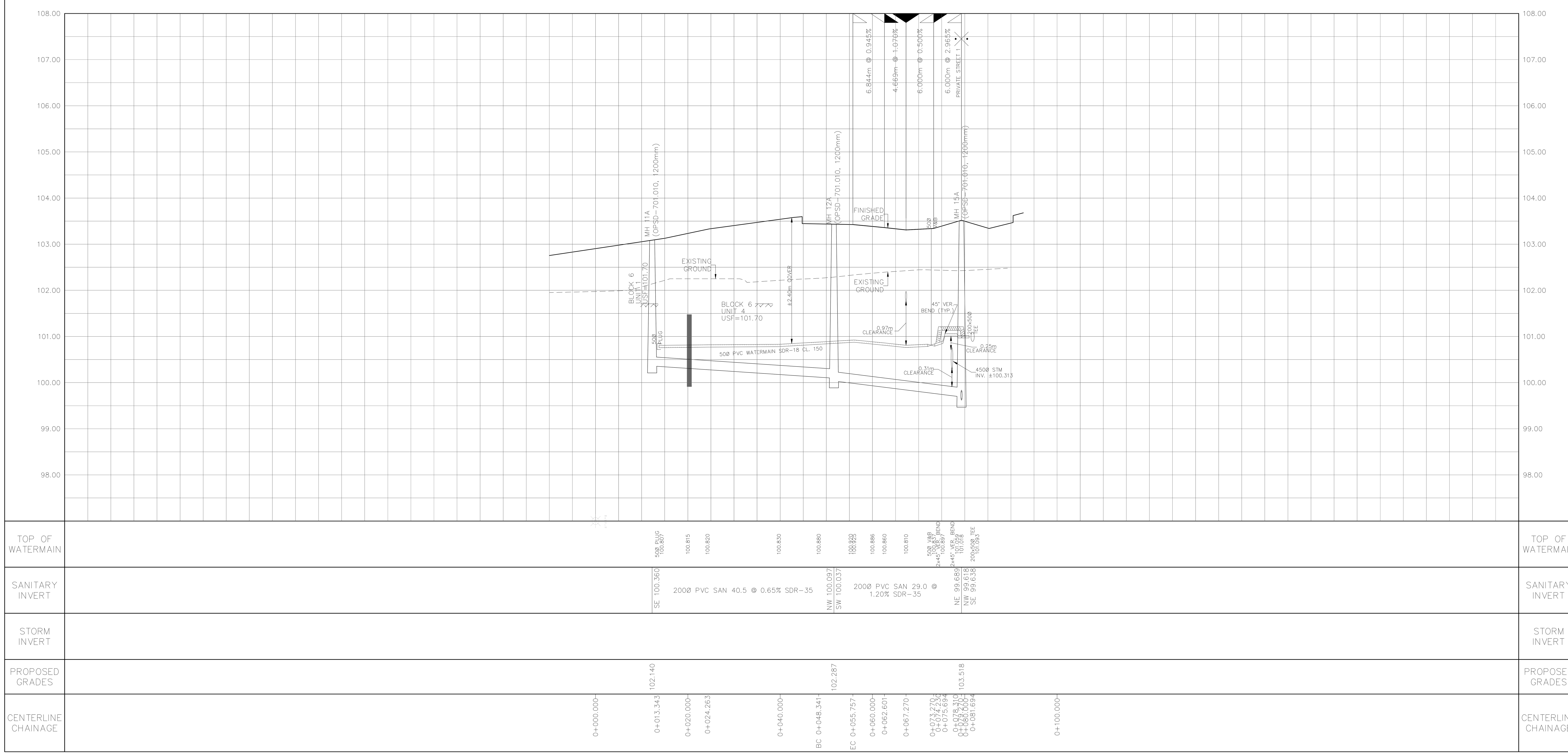

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CITY FILE No. _D07-XX-XX-XXXX_____ CITY PLAN No.XXXXXX_ ZBLA FILE No. _XXXXXXX____