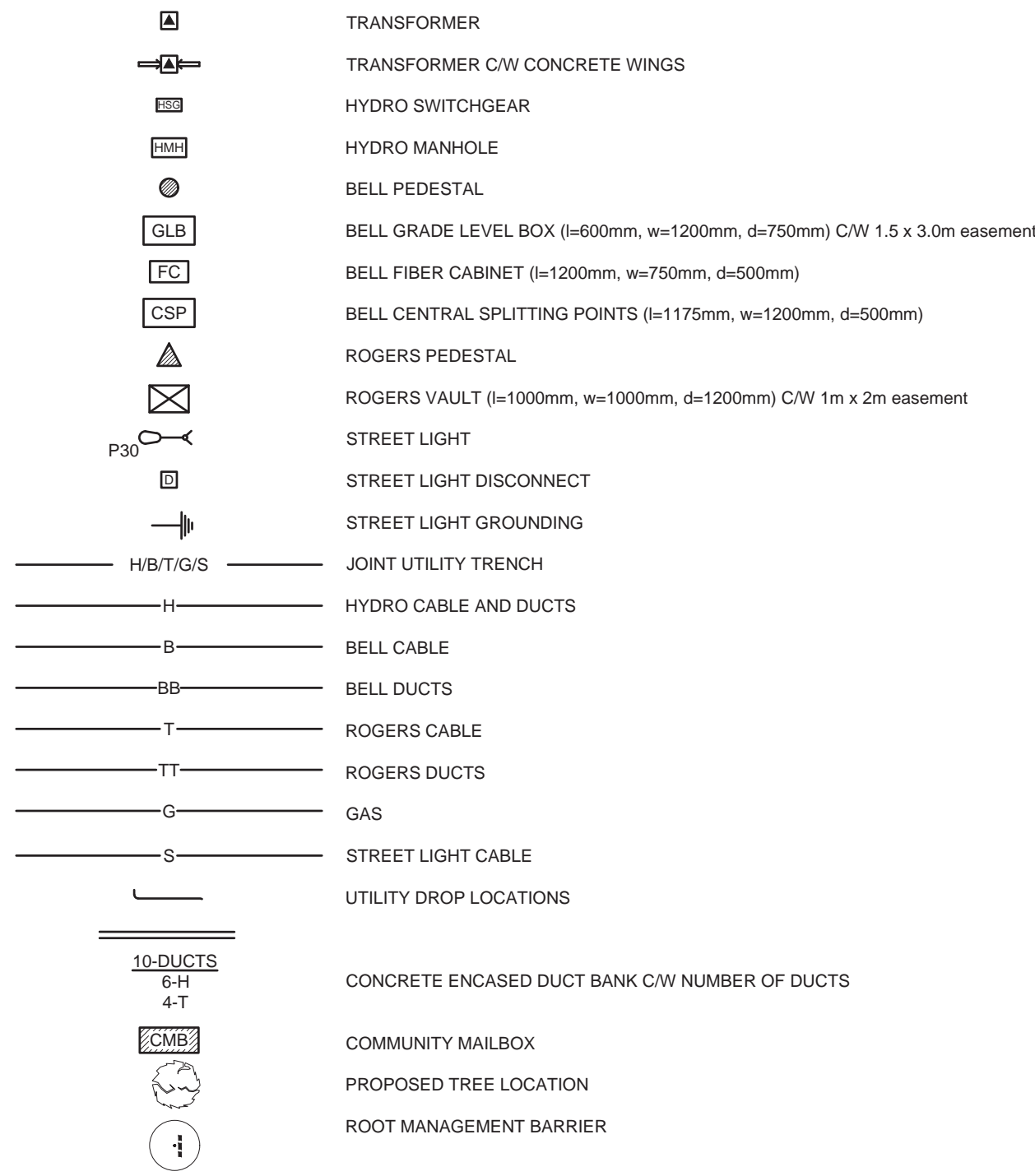


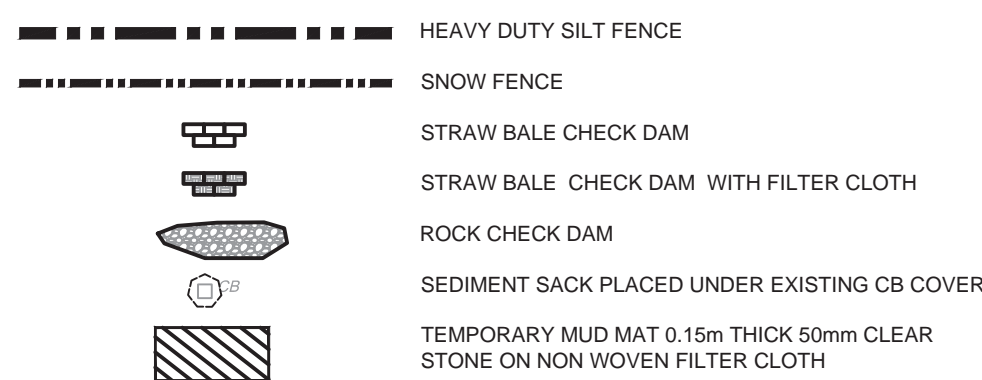




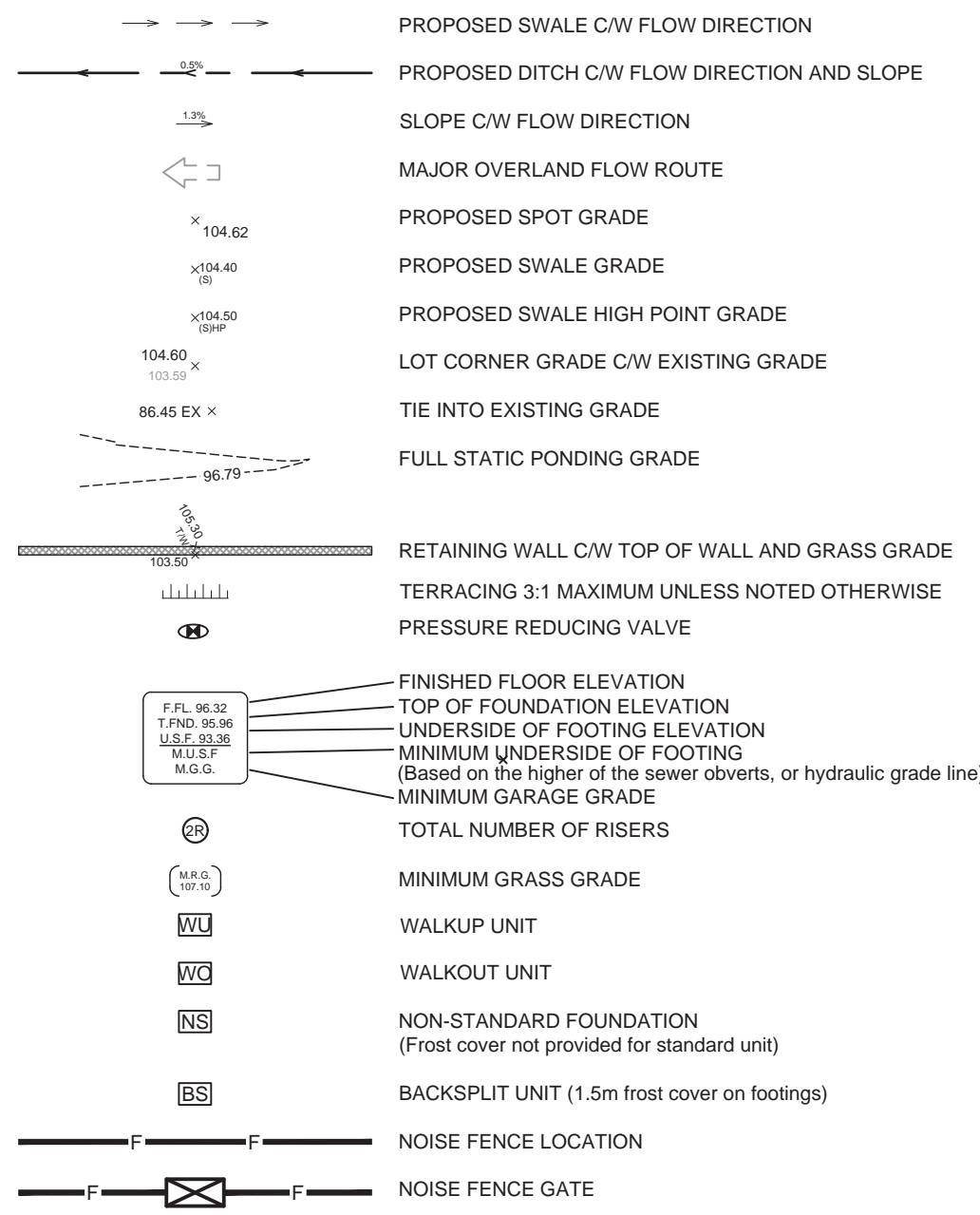
**UTILITY LEGEND**



**SEDIMENT EROSION LEGEND**



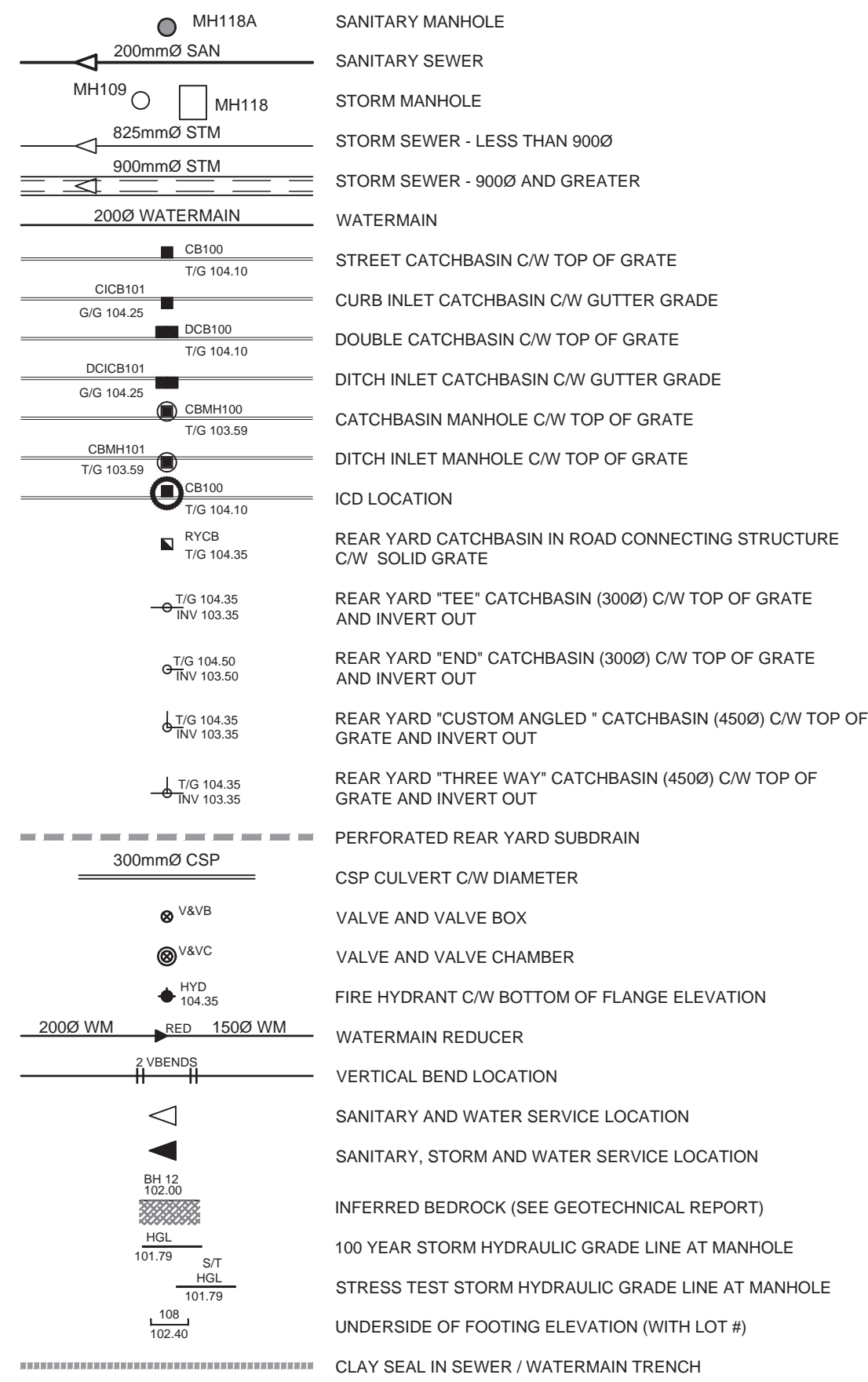
**GRADING LEGEND**



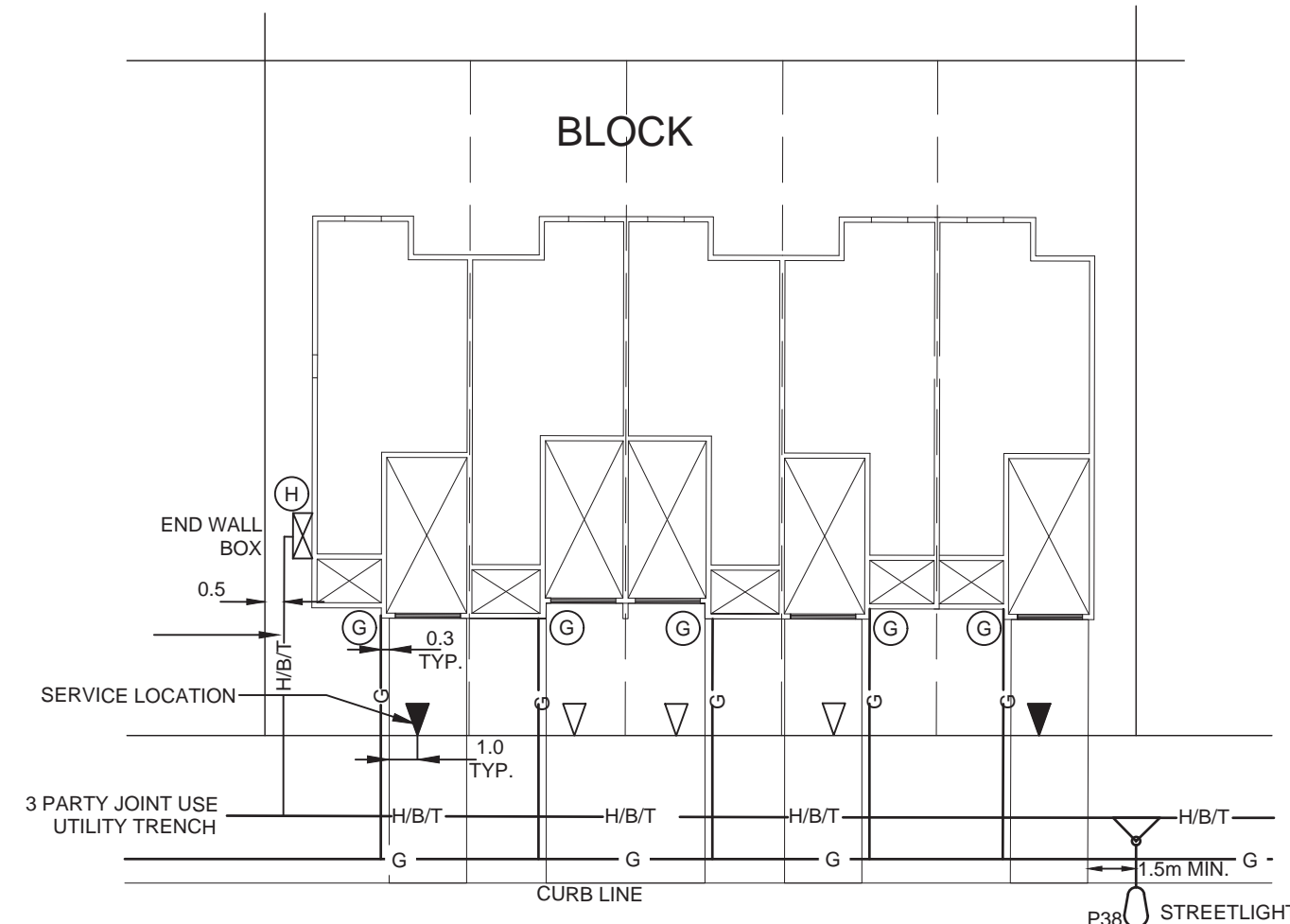
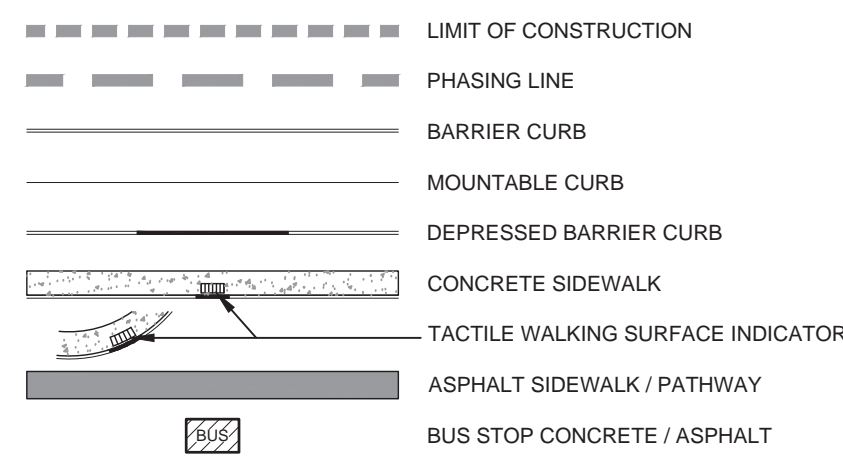
**ROADWAY STRUCTURE:**

- CAR PARKING AREAS (500mm)**
- 50mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
  - 150mm - OPSS GRANULAR "A" CRUSHED STONE
  - 300mm - OPSS GRANULAR "B" TYPE II
- DRIVE ISLES (640mm)**
- 40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
  - 50mm - SUPERPAVE 19.0 ASPHALTIC CONCRETE
  - 150mm - OPSS GRANULAR "A" CRUSHED STONE
  - 400mm - OPSS GRANULAR "B" TYPE II

**SERVICING LEGEND**



**GENERAL LEGEND**



**3 PARTY TYPICAL SERVICE LOCATIONS FOR TOWNHOUSE BLOCKS**

N.T.S.  
REFER TO CITY OF OTTAWA DETAIL R21 FOR MINIMUM OFFSETS  
(\* REFER TO LANDSCAPE PLAN AND ROAD CROSS-SECTION FOR FINAL TREE LOCATION)

**DRAWING NOTES**

- 1.0 GENERAL**
- 1.1 CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
  - 1.2 DO NOT SCALE DRAWINGS.
  - 1.3 CONTRACTOR TO REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
  - 1.4 USE ONLY THE LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
  - 1.5 ALL CONSTRUCTION SHALL COMPLY WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  - 1.6 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS.
  - 1.7 FOR LEGAL SURVEY INFORMATION REFER TO REGISTERED PLAN FROM AOV.
  - 1.8 REFER TO SITE PLAN BY DCA ARCHITECTS.
  - 1.9 CONTRACTOR TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS IDENTIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.). DURING ALL PHASES OF THE SITE PREPARATION AND CONSTRUCTION THE MEASURES ARE TO BE MAINTAINED TO THE SATISFACTION OF THE ENGINEER AND CITY OF OTTAWA IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL. SHOULD ANY ADDITIONAL MEASURES BE REQUIRED TO ADDRESS FIELD CONDITIONS THEY SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER OR THE CITY OF OTTAWA. SUCH ADDITIONAL MEASURES MAY INCLUDE BUT NOT BE LIMITED TO INSTALLATION OF SEDIMENT CAPTURE FILTER SOCKS WITH MANHOLES AND CATCHBASINS TO PREVENT SEDIMENT FROM ENTERING THE STRUCTURE AND INSTALLATION AND MAINTENANCE OF A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
  - 1.10 ALL IRON WORK ELEVATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR ADJUSTMENTS AS DETERMINED BY THE ENGINEER.
  - 1.11 ALL CONCRETE CURBS AND SIDEWALKS TO CONFORM TO O.P.S. AND CONSTRUCTED TO CITY STANDARDS. ALL ON-SITE CURBS TO BE BARRIER TYPE, WITH DEPRESSIONS AS NOTED.
  - 1.12 ALL CONCRETE SHALL BE "NORMAL PORTLAND CEMENT" IN ACCORDANCE WITH O.P.S.S. 1350 AND SHALL ACHIEVE A MINIMUM STRENGTH OF 30MPa AT 28 DAYS.
  - 1.13 ALL CONSTRUCTION TRAFFIC TO ACCESS SITE FROM PUTNEY CRESCENT.
  - 1.14 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION BY PATERSON GROUP.
  - 1.15 CONTRACTOR TO PROTECT EXISTING INFRASTRUCTURE AND PROPERTY SUCH AS TREES, PARKING METERS, SIDEWALKS, CURBS, ASPHALT, AND STREET SIGNS FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR TO PAY THE COST TO REINSTATE OR REPLACE ANY DAMAGED INFRASTRUCTURE OR PROPERTY TO THE SATISFACTION OF THE CITY.
  - 1.16 THE POSITION OF POLE LINES, CONDUITS, WATERMAIN, SEWERS, AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK THE CONTRACTOR SHALL INFORM ITSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, SHALL PROTECT ALL UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
  - 1.17 CONTRACTOR TO SUPPLY SUITABLE FILL MATERIAL WHERE REQUIRED TO ROUGH GRADE THE SITE. ALL IMPORTED FILL MATERIAL TO BE CERTIFIED AS ACCEPTABLE BY THE GEOTECHNICAL ENGINEER.
  - 1.18 CONTRACTOR TO HAUL EXCESS MATERIAL OFFSITE AS NECESSARY TO GRADE SITE TO MEET THE PROPOSED GRADES. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY ENGINEER, ENGINEER TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
  - 1.19 FILL MATERIAL WITHIN THE PARKING LOT AND BUILDING PAD AREAS, AND SUPPORTING BUILDING FOUNDATIONS SHALL BE COMPACTED TO 98% STANDARD MODIFIED PROCTOR DENSITY AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
  - 1.20 ALL COMPACTION METHODS TO BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO INCLUDE BUT NOT BE LIMITED TO THE THICKNESS OF LIFTS, AND COMPACTION EQUIPMENT USED.
  - 1.21 ALL DISTURBED BOULEVARDS TO BE REINSTATED WITH 500 ON 100mm TOPSOIL.
  - 1.22 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION.
  - 1.23 CLAY DIKES TO BE INSTALLED WHERE INDICATED ON THE DRAWINGS OR AS APPROVED AND DIRECTED BY THE GEOTECHNICAL ENGINEER ALL IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  - 1.24 BACKWATER VALVES, PER CITY STANDARDS S14, S14.1 AND S14.2 RE TO BE INSTALLED FOR ALL STORM AND SANITARY SEWER CONNECTIONS.
- 2.0 SANITARY**
- 2.1 ALL SANITARY SEWER MAINS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ONLY FACTORY FITTINGS TO BE USED. SEWER TO BE INSTALLED AS PER OPSD 1005.01. SANITARY SEWER MATERIALS TO BE: 250mmØ AND SMALLER - PVC DR 35
  - 2.2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, RINGS, FRAMES AND COVER, DRAIN PIPES AND LANDINGS WHERE NEEDED.
  - 2.3 SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD 401.020). SANITARY MANHOLE COVER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24
  - 2.4 SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY SPECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.
  - 2.5 ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
  - 2.6 CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.
  - 2.7 ALL SANITARY CONNECTION TO INCLUDE BACKWATER VALVE TYPE 1 PER CITY STANDARD S14.1

**3.0 STORM**

- 3.1 ALL STORM SEWERS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ALL STORM SEWERS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. ONLY FACTORY FITTINGS TO BE USED. STORM SEWER MATERIALS TO BE: 375mmØ AND SMALLER - PVC DR 35 - 450mmØ AND LARGER - 100-D REINFORCED CONCRETE. UNLESS NOTED OTHERWISE
  - 3.2 ALL STORM MAINTENANCE HOLES TO BE SIZED IN ACCORDANCE WITH THE PLANS AND AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, RINGS, AND FRAME AND COVER.
  - 3.3 STORM MH COVERS TO BE OPEN TYPE, AS PER CITY STANDARD S24. FRAMES TO BE PER CITY OF OTTAWA STD. S25. CONTRACTOR TO INSTALL FILTER FABRIC UNDER STORM MH COVER UNTIL SODDING IS COMPLETE.
  - 3.4 STORM MAINTENANCE HOLES TO BE OPSD, SIZE AS SPECIFIED, TAPER TOP.
  - 3.5 ALL CATCH BASINS TO BE AS PER OPSD 705.010, FRAME & FISH TYPE GRATE AS PER CITY OF OTTAWA STD. S19.1.
  - 3.6 3m 150mm DIAMETER SOCK-WRAPPED PERFORATED PVC SUBDRAINS TO BE INSTALLED ALL C.B.'S. TO EXTEND PARALLEL TO CURB IN CBS ADJACENT TO CURB AND IN 4 DIRECTIONS FOR CBS IN CENTER OF PARKING LOT. SUBDRAINS TO DISCHARGE TO CBS.
  - 3.7 ANY STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
  - 3.8 CONNECTION TO THE EXISTING STORM SEWER TO BE INCLUDED IN THE COST FOR STORM SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUT TO CITY STANDARDS.
  - 3.9 CONTRACTOR TO PROVIDE IPEX-TEMPEST MHF ICDS SHOP DRAWINGS, OR EQUIVALENT, FOR ENGINEERS REVIEW PRIOR TO ORDERING ICDS.
  - 3.10 ALL STORM CONNECTION TO INCLUDE FOUNDATION BACKWATER VALVE TYPE 1 PER CITY STANDARD S14.1
  - 3.11 LANDSCAPE SUBDRAIN AND APPURTENANCES TO BE INSTALLED PER CITY OF OTTAWA STANDARDS INCLUDING BUT NOT LIMITED TO S29, S30, S31
- 4.0 WATER**
- 4.1 ALL WATERMANS 100mmØ OR GREATER TO BE PVC DR 18. LESS THAN 100mm Ø TO BE COPPER OR APPROVED EQUAL WITH MINIMUM COVER OF 2.4m AND INSTALLED PER CITY OF OTTAWA STANDARDS. ALL DOMESTIC WATER SERVICES ARE TO BE 25mmØ.
  - 4.2 THRUST BLOCKS TO BE INSTALLED AT ALL BENDS, TEES, AND CAPS ALL AS PER OPSD 1103.01 AND 1103.02.
  - 4.3 CONTRACTOR TO CONDUCT PRESSURE AND LEAKAGE TESTING OF ALL WATERMANS AND DISINFECT AND CHLORINATE ALL WATERMANS TO THE SATISFACTION OF M.O.E. AND THE CITY OF OTTAWA.
  - 4.4 TRACER WIRE TO BE INSTALLED ALONG THE FULL LENGTH OF WATERMAIN AND ATTACHED TO EACH MAIN STOP AS PER CITY OF OTTAWA STANDARDS.
  - 4.5 ALL COMPONENTS OF THE WATER DISTRIBUTION SYSTEM SHALL BE CATHODICALLY PROTECTED AS PER CITY OF OTTAWA STANDARDS.
  - 4.6 ALL VALVES & VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLIES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS.
  - 4.7 ANY WATERMAIN WITH LESS THAN 2.4m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
  - 4.8 CONTRACTOR IS RESPONSIBLE FOR ACQUIRING THE WATER PERMIT FROM THE CITY OF OTTAWA AND PAYMENT OF ANY FEES ASSOCIATED WITH SECURING THE WATER PERMIT. OWNER IS RESPONSIBLE FOR REIMBURSING THE CONTRACTOR FOR THE ACTUAL COST OF ACQUIRING THE WATER PERMIT.
  - 4.9 CONNECTION TO EXISTING WATERMAIN TO BE INCLUDED IN THE COST FOR THE WATERMAIN INSTALLATION. THIS COST INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.
  - 4.10 ALL WATERMAIN CROSSINGS TO BE COMPLETED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2

**5.0 PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY**

- 5.1 CONTRACTOR TO REINSTATE ROAD CUTS PER CITY OF OTTAWA STANDARD R-10.
- 5.2 THE CONTRACTOR SHALL PREPARE A TRAFFIC MANAGEMENT PLAN FOR REVIEW AND APPROVAL BY THE CITY OF OTTAWA. CONTRACTOR TO MAINTAIN TRAFFIC FLOW DURING THE ENTIRE CONSTRUCTION PERIOD. MAINTENANCE OF ROAD CUTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVISION OF FLAGMEN, DETOURS AS NECESSARY, BARRICADES AND SIGNS TO THE FULL SATISFACTION OF THE ENGINEER AND ROAD AUTHORITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 5.3 CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- 5.4 FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
- 5.5 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- 5.6 GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF GRANULAR B PLACEMENT.
- 5.7 ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF GRANULAR A PLACEMENT.
- 5.8 CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- 5.9 CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE ENGINEER WITH VERIFICATION PRIOR TO PLACEMENT.
- 5.10 DITCHES AND CULVERTS DISTURBED DURING ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION AND FLOWLINE GRADES.
- 5.11 PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESSES) FOR HEAVY DUTY AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

CLIENT



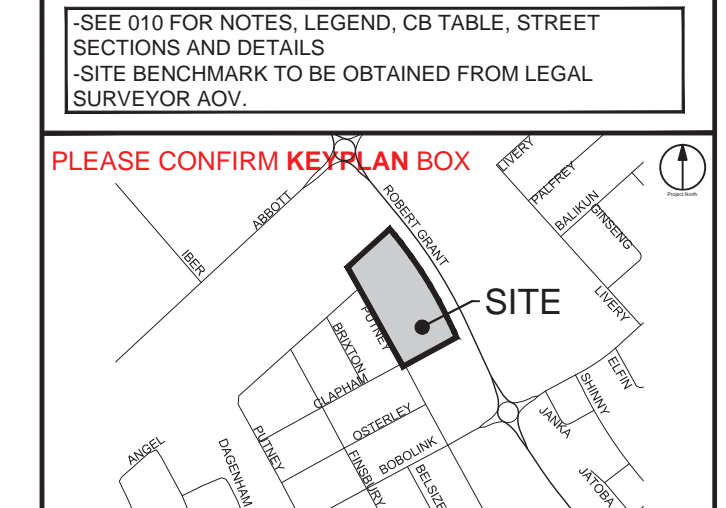
CLARIDGE HOMES

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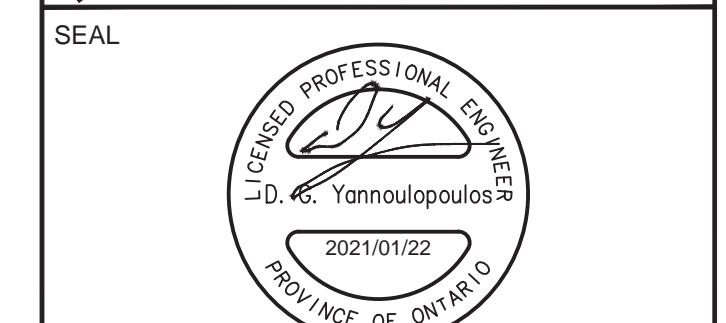
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No.	DESCRIPTION	DATE
1	ISSUED TO CITY FOR REVIEW	2021/01/22
2	REVISED PER CITY COMMENTS	2021/05/10

SEE 010 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS  
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**PROJECT**  
CRT  
BLOCK 324

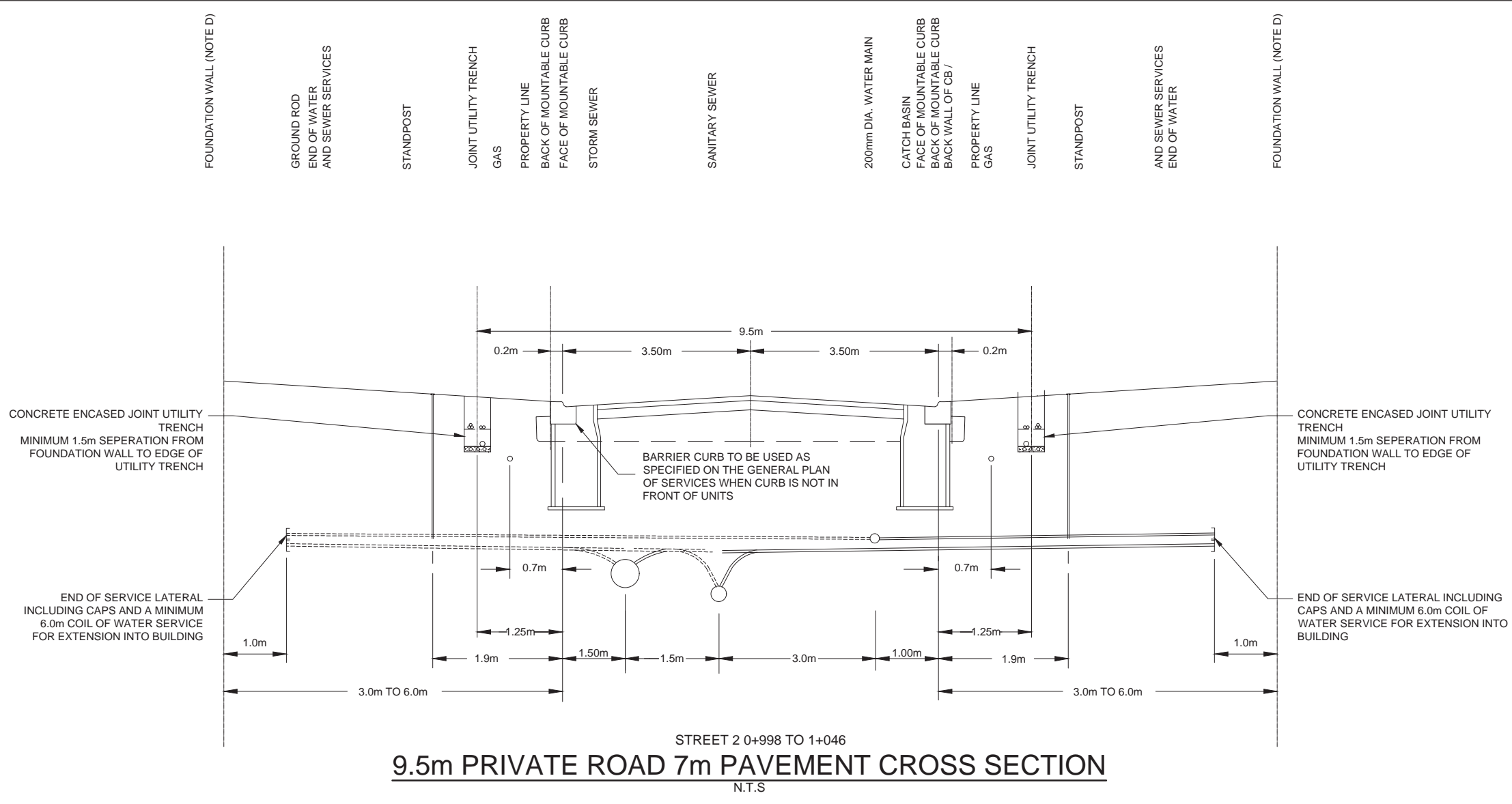
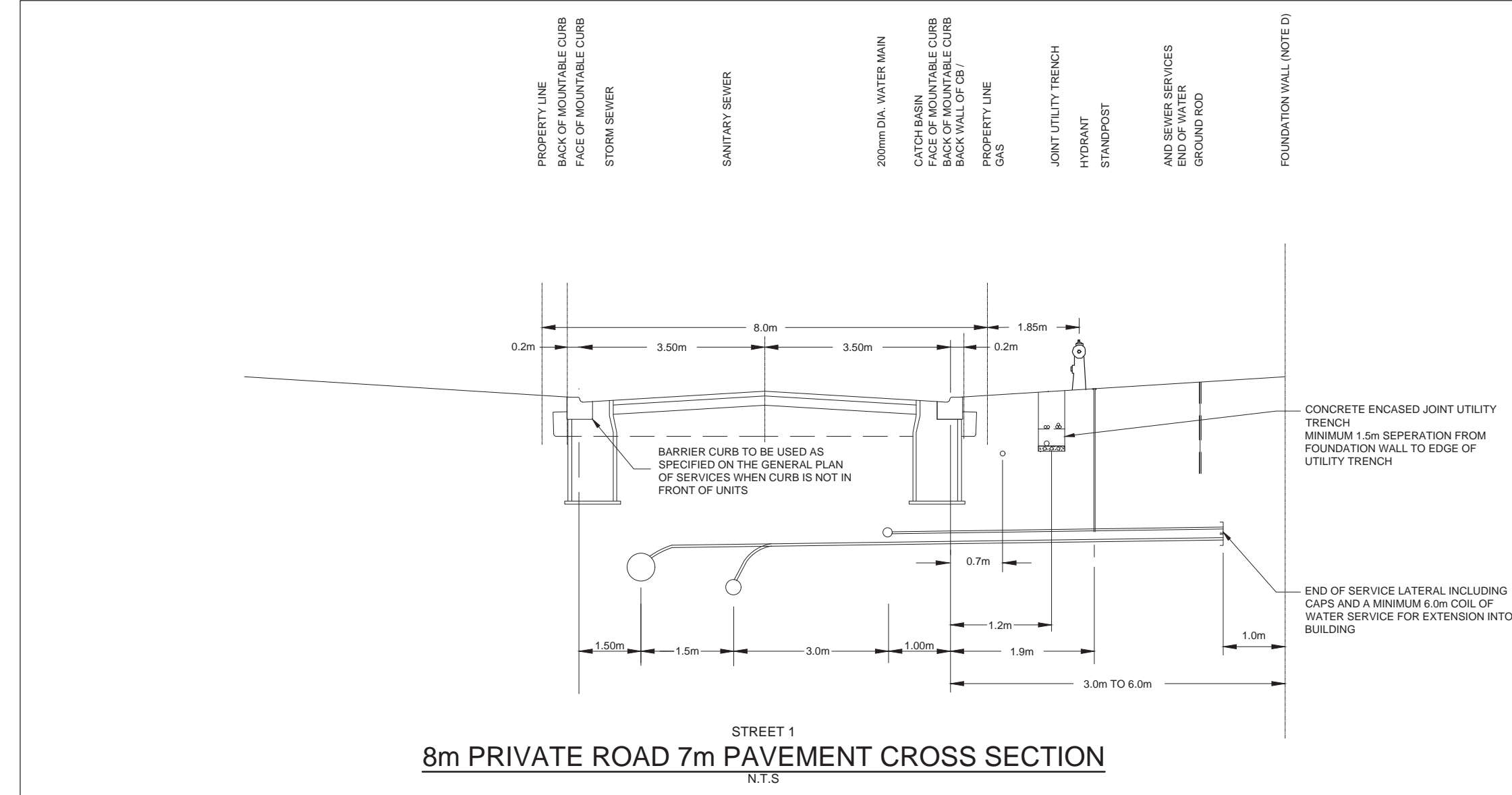
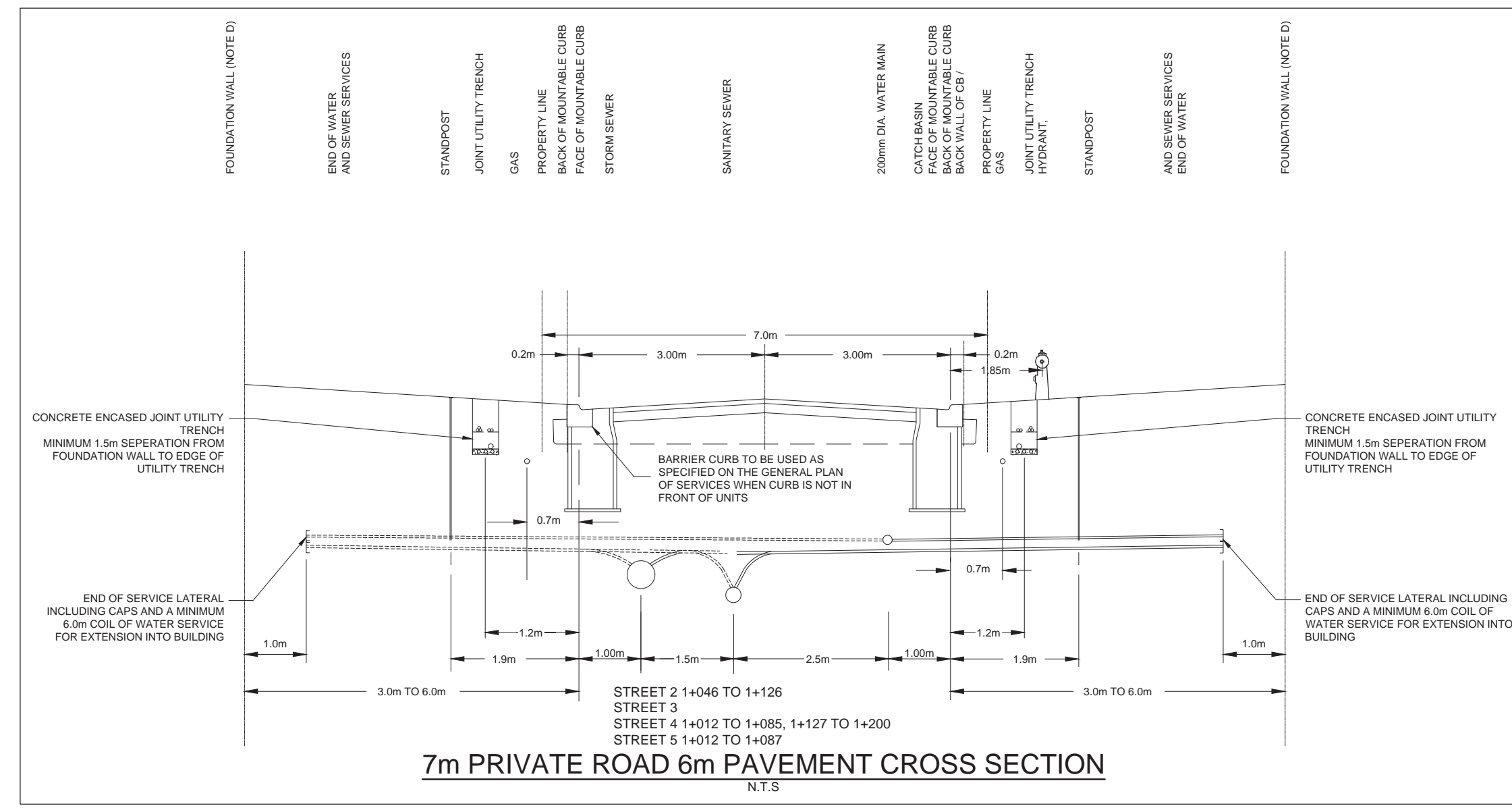
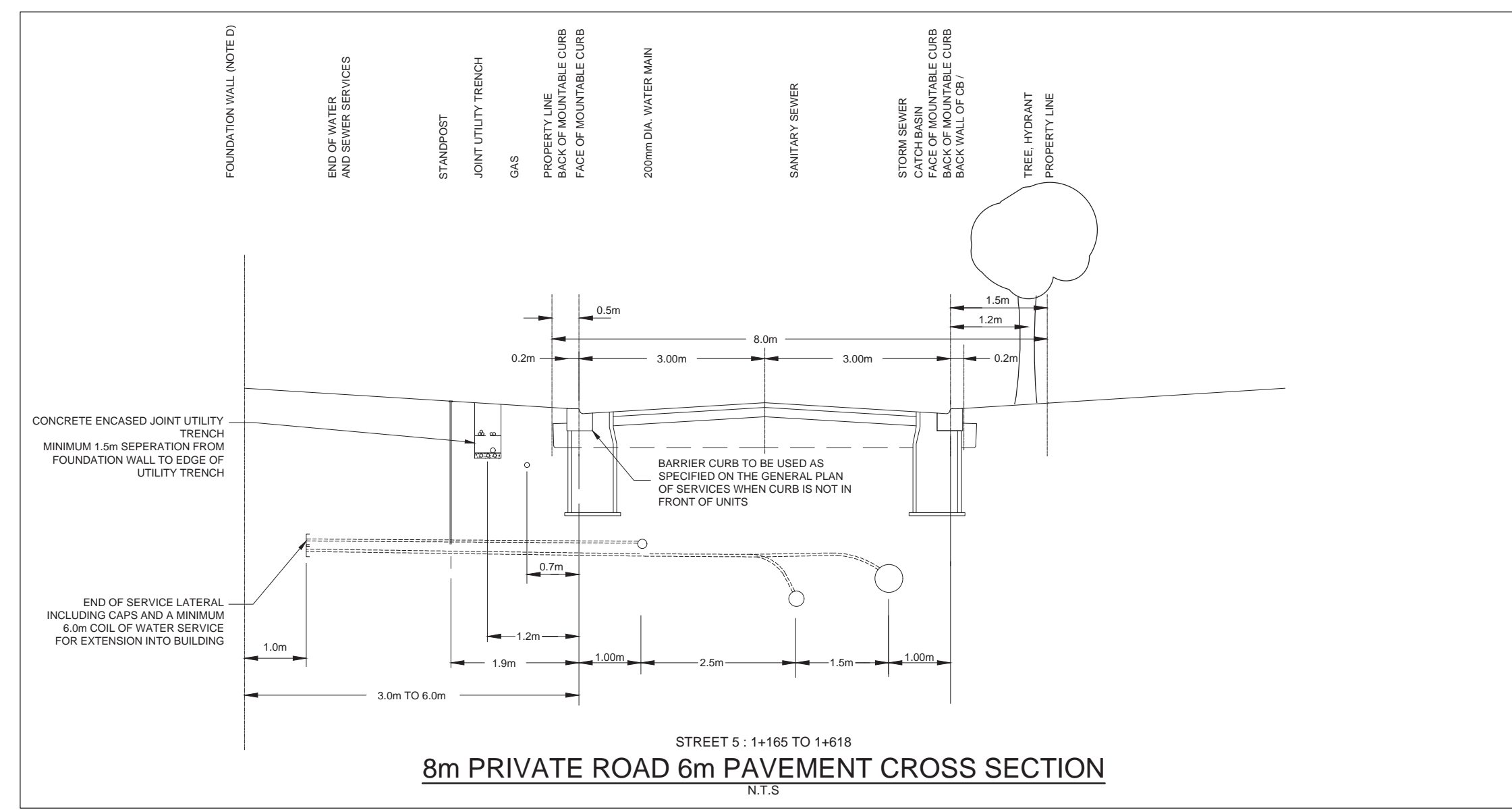
PROJECT NO: 126715  
DRAWN BY: D.D. E.H.  
PROJECT MGR: DGY

CHECKED BY: DGY  
APPROVED BY: DGY

**SHEET TITLE**  
GENERAL NOTES, LEGEND AND CB DATA TABLE

SHEET NUMBER **010** ISSUE **1**

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA											
STRUCTURE ID	STORM AREA ID	STRUCTURE	FRAME & COVER	TOP OF GRATE	ELEVATION		OUTLET PIPE		ICD		
					INLET	OUTLET	DIAMETER (mm)	TYPE	HEAD (m)	FLOW (L/s)	TYPE
CB110A	MH112	OPSD 705.010	S19.1	107.67	106.05	105.95	250	PVC DR35	1.65	19	STANDARD IPEX MHF 83MM DIA.
CB110B	MH112	OPSD 705.010	S19.1	107.67		106.17	200	PVC DR35			
CB112A	MH112	OPSD 705.010	S19.1	107.10		105.30	200	PVC DR35	1.65	67	CUSTOM IPEX TEMPEST
CB112B	MH112	OPSD 705.010	S19.1	107.10		105.30	200	PVC DR35	1.65	67	CUSTOM IPEX TEMPEST
CB112C	MH112	OPSD 705.010	S19.1	107.22		105.72	200	PVC DR35	1.65	19	STANDARD IPEX MHF 83MM DIA.
CB112D	MH112	OPSD 705.010	S19.1	107.22	105.60	105.50	200	PVC DR35			
CB114A	MH116	OPSD 705.010	S19.1	106.71		105.21	200	PVC DR35			
CB114B	MH116	OPSD 705.010	S19.1	106.71	105.09	104.99	250	PVC DR35			
CB116A	MH116	OPSD 705.010	S19.1	106.17	104.45	103.40	250	PVC DR35			
CB116B	MH116	OPSD 705.010	S19.1	106.03		103.40	200	PVC DR35			
CB116C	MH116	OPSD 705.010	S19.1	106.27		104.77	200	PVC DR35			
CB116D	MH116	OPSD 705.010	S19.1	106.27	104.65	104.55	250	PVC DR35			
CB120B	MH121	OPSD 705.010	S19.1	105.59		104.09	200	PVC DR35			
CB121A	MH121	OPSD 705.010	S19.1	105.40		103.90	200	PVC DR35			
CB121B	MH121	OPSD 705.010	S19.1	105.45		103.95	200	PVC DR35			
CB122A	MH121	OPSD 705.010	S19.1	105.63		102.95	200	PVC DR35			
CBMH123A	MH123	OPSD 705.010	S28.1	105.77	104.14	102.90	300	PVC DR35	1.65	29	CUSTOM IPEX TEMPEST
CB123B	MH123	OPSD 705.010	S19.1	105.77		104.24	200	PVC DR35			
CB124A	MH123	OPSD 705.010	S19.1	105.62	104.05	103.95	250	PVC DR35	1.65	19	STANDARD IPEX MHF 83MM DIA.
CB124B	MH123	OPSD 705.010	S19.1	105.69		104.20	200	PVC DR35			
CB203	MH120	OPSD 705.010	S19.1	105.12		103.62	250	PVC DR35			
CBMH120A	MH120	OPSD 701.010	S28.1	105.52	103.93	103.30	300	PVC DR35			
CBMH122	MH121	OPSD 701.010		105.63	NE 102.91 SE 102.90	102.75	300	PVC DR35			
DI	EXT	OPSD 705.040	OPSD 403.010	107.09		104.690	450	CONC. CL 100-D			

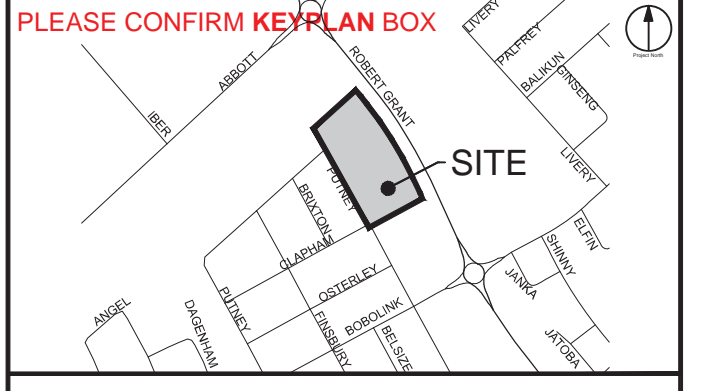


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1	ISSUED TO CITY FOR REVIEW	2021-01-22
2	REVISED PER CITY COMMENTS	2021-07-16

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**PROJECT**  
CRT  
BLOCK 324

**PROJECT NO:**  
126715

**DRAWN BY:** D.D. E.H. **CHECKED BY:** DGY

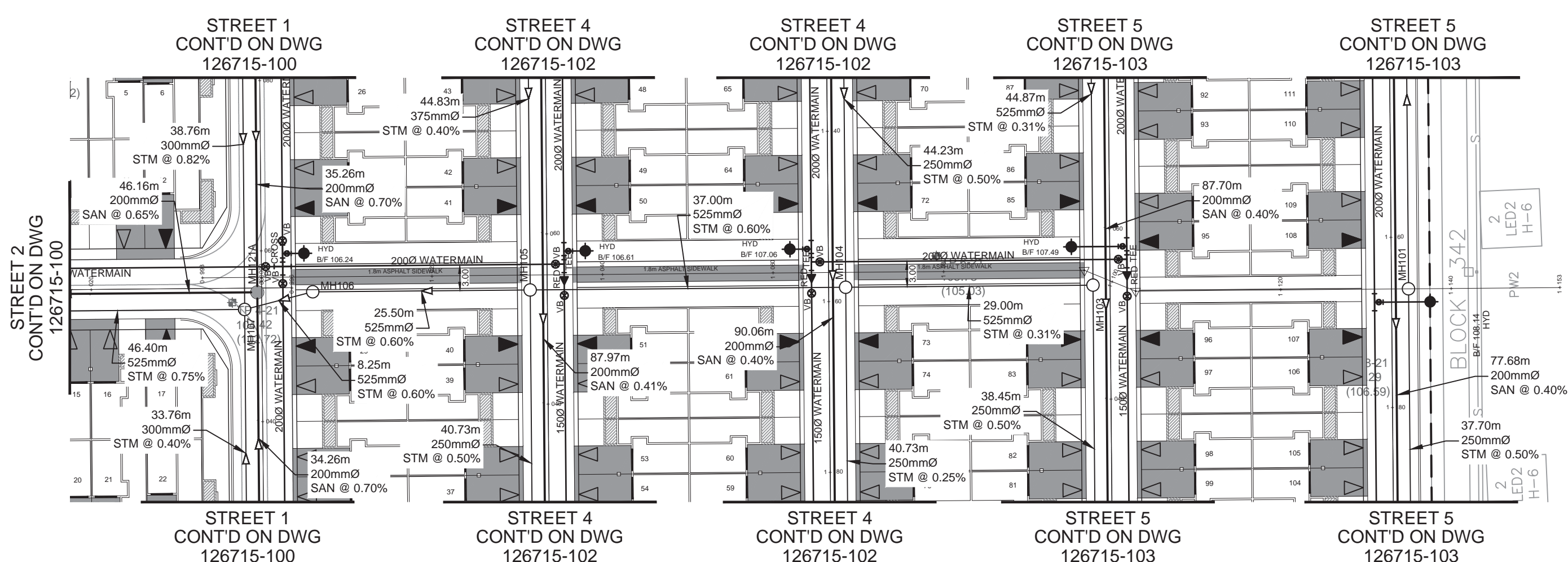
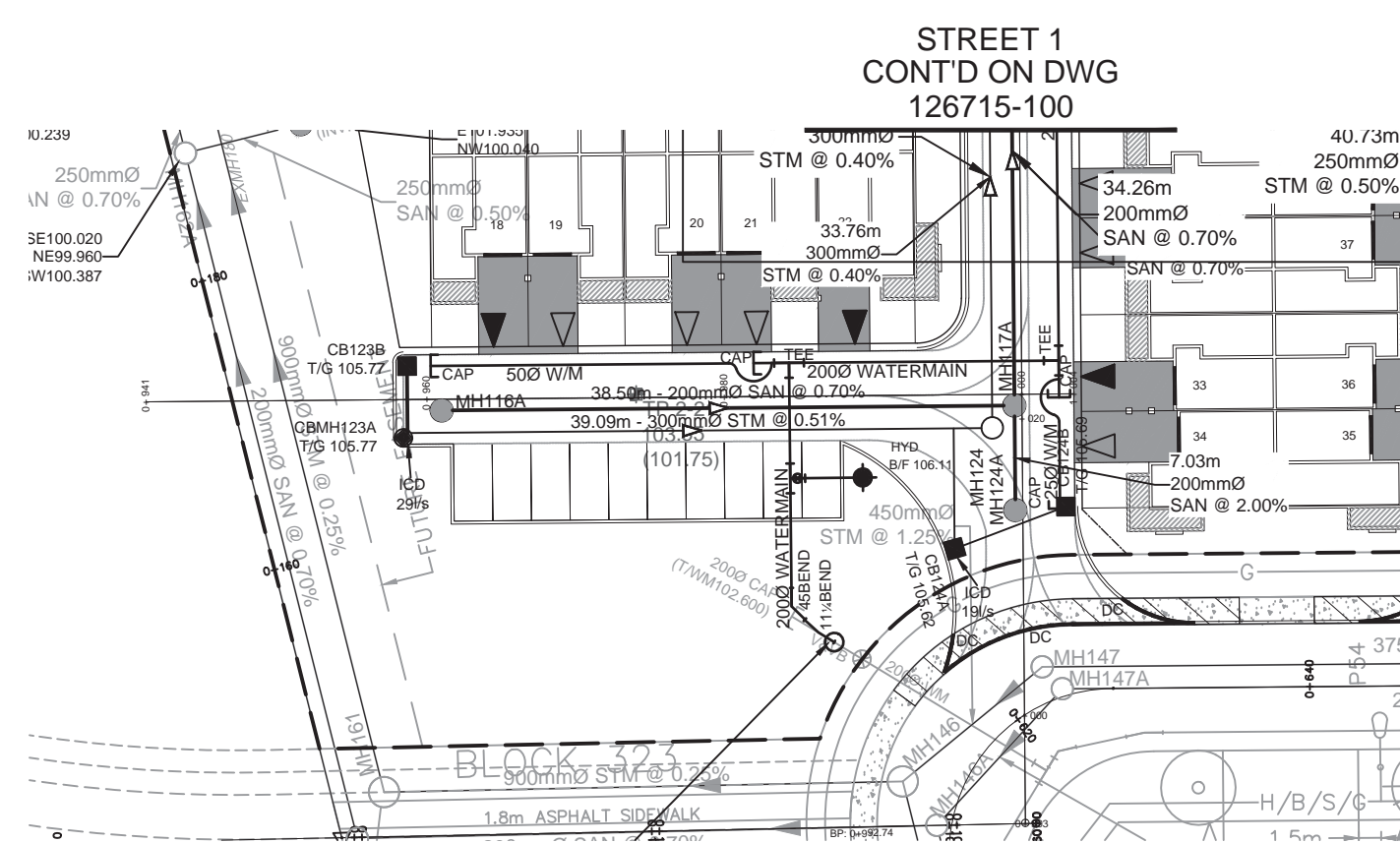
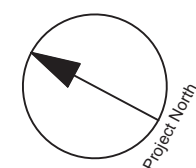
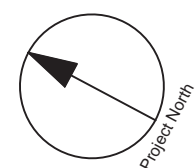
**PROJECT MGR:** DGY **APPROVED BY:** DGY

**SHEET TITLE**  
STREET SECTIONS

**SHEET NUMBER** 011 **ISSUE** 1

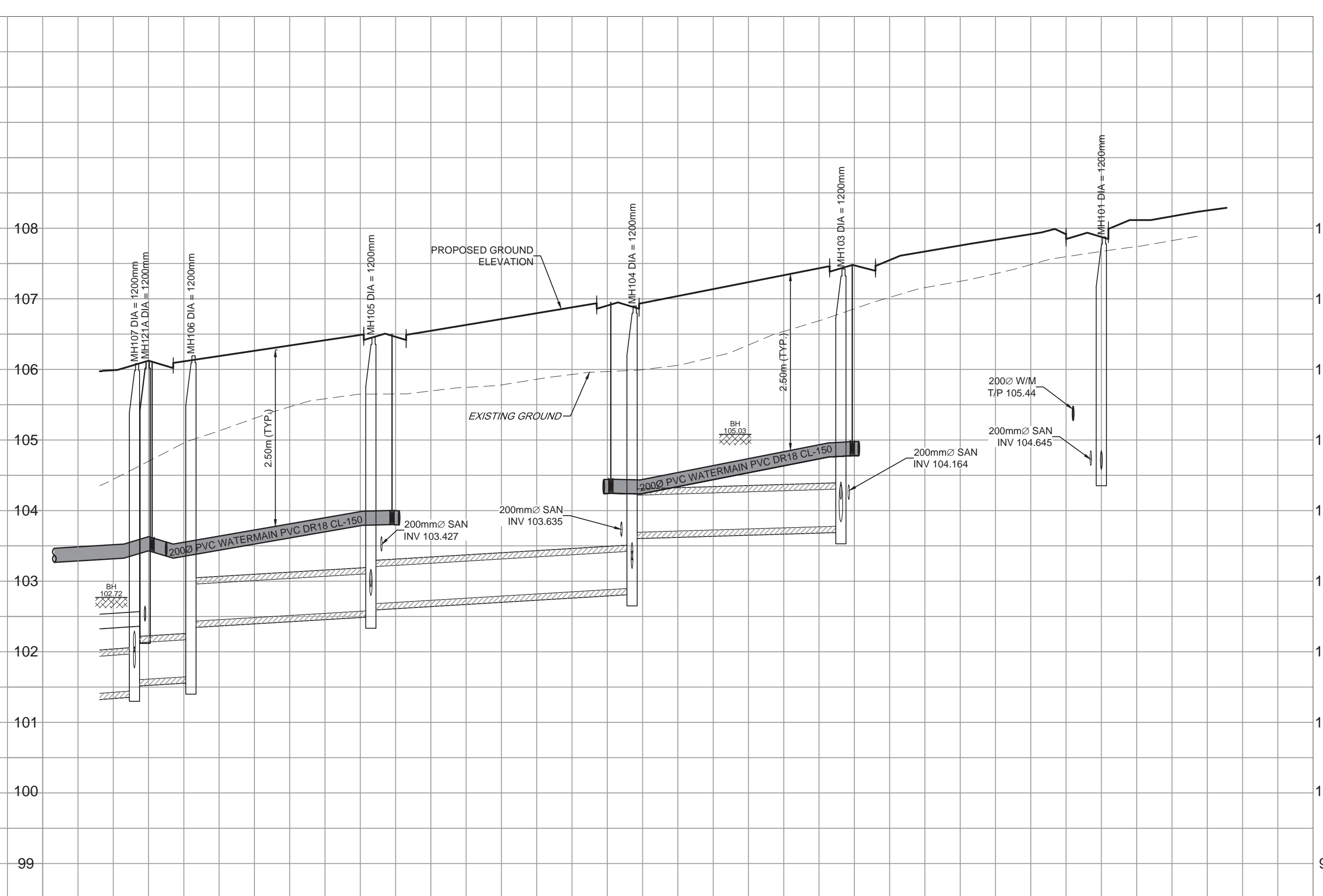
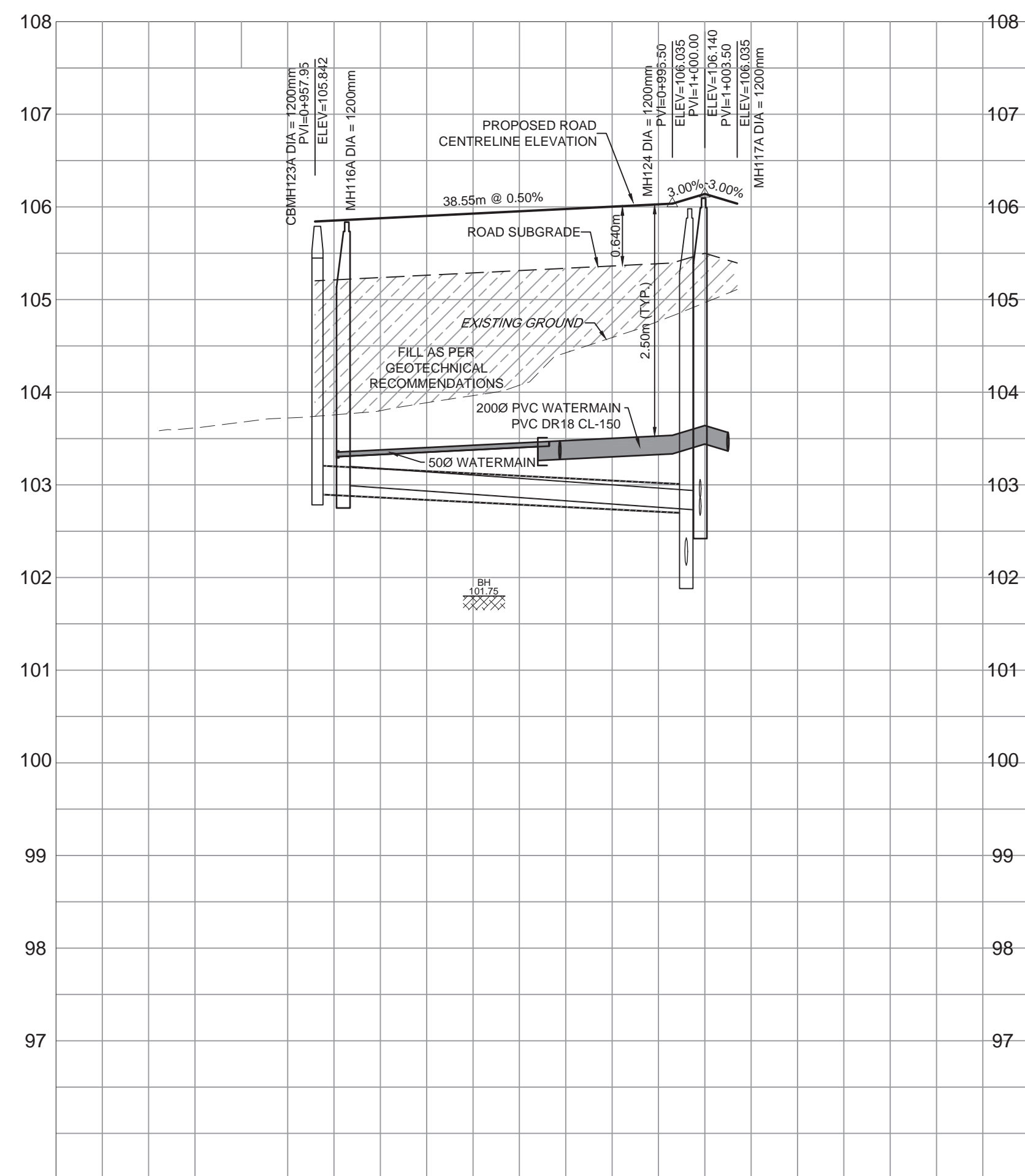
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**STREET 3**

**EASEMENTS**



ROAD GRADE	105.842 105.852	105.852	106.035 106.140 106.035	106.973 106.019	106.338 106.482 106.547	106.879 106.834	107.137 107.434 107.474	107.610 107.686 107.940	108.118 108.288	ROAD GRADE	BLOCK 324				
TOP OF WATERMAIN	103.354	103.462 103.482 103.492 103.474	103.535 103.640 103.555	103.466 103.525 103.890 103.525	103.812 103.991 103.897	104.440 104.434	104.637 104.859 104.578 104.578	104.637 104.859 104.578 104.578	108.118 108.288	TOP OF WATERMAIN	PROJECT NO: 126715				
STM SEWER INVERT	102.900	103.09m 300mmØ PVC DR-35 STM @ 0.51%	103.700NW 102.130NE 102.870NE	CONC. CL 100-D STM @ 0.75%	CONC. CL 100-D STM @ 0.60%	CONC. CL 65-D STM @ 0.60%	CONC. CL 100-D STM @ 0.31%	CONC. CL 100-D STM @ 0.31%	104.601SW 104.790NE	STM SEWER INVERT	DRAWN BY: D.D. E.H.				
SAN SEWER INVERT	103.000SE	38.50m 200mmØ PVC DR-35 SAN @ 0.70%	102.270NW 102.870NE 102.870NE	46.16m 200mmØ PVC DR-35 SAN @ 0.65%	25.50m 525mmØ STM @ 0.60%	37.00m 525mmØ STM @ 0.60%	29.00m 525mmØ STM @ 0.31%	29.00m 525mmØ STM @ 0.31%	104.601SW 104.790NE	SAN SEWER INVERT	CHECKED BY: DGY				
STATION	0+940	0+960 0+960.278 CAP	0+980 0+980.213 CAP 0+980.366 TEE	1+000 1+000.500 TEE	1+020	1+040 1+040.500 TEE	1+060 1+060.500 TEE	1+080 1+080.500 TEE	1+100 1+100.500 TEE	1+120	1+140	1+160	STATION	SHEET NUMBER 101	ISSUE 1

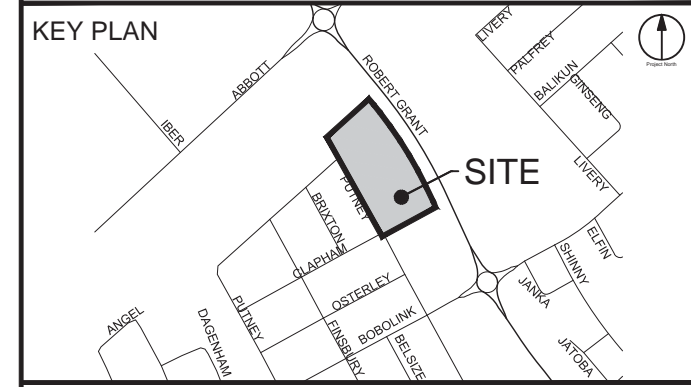


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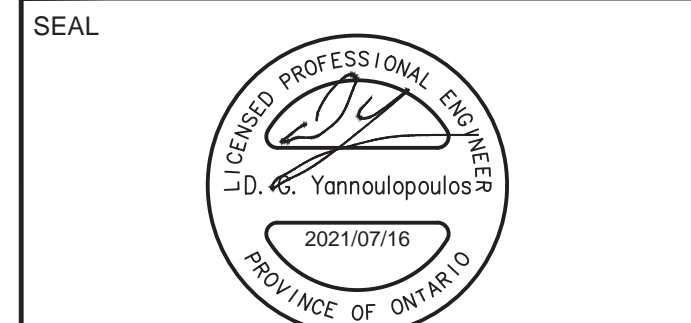
SEE 010 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS  
SITE BENCHMARK TO BE OBTAINED FROM LEGAL SURVEYOR AOV.



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H 1:500 0 5 10 20m  
V 1:50 0 0.5 1.5 2.5m



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PROJECT  
**CRT**

PROJECT NO:  
126715

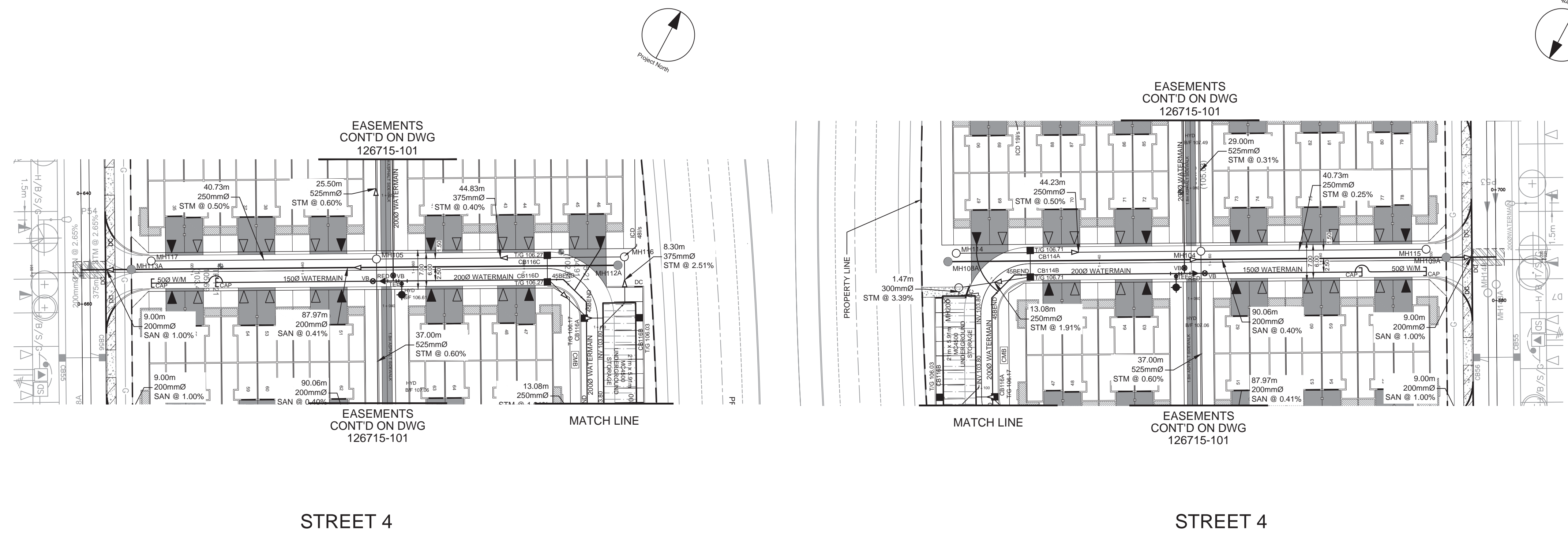
DRAWN BY:  
D.D. E.H.

CHECKED BY:  
DGY

PROJECT MGR:  
DGY

APPROVED BY:  
DGY

SHEET TITLE  
**STREET 3 EASEMENTS**



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 CLARIDGE HOMES

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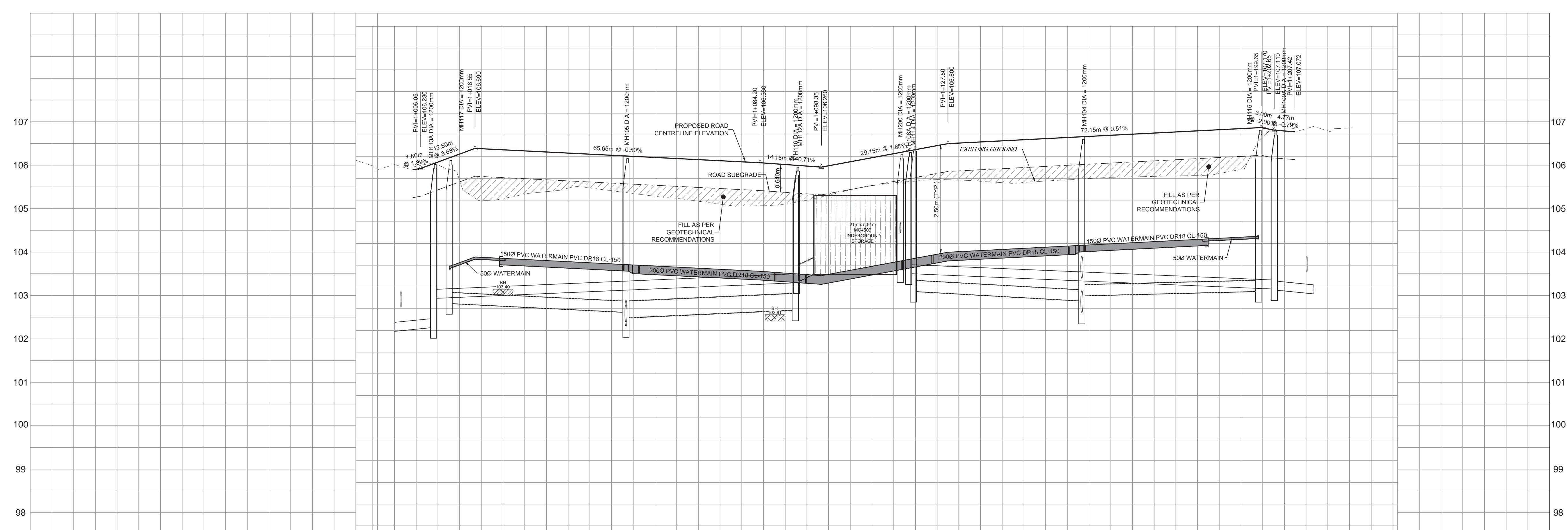
ISSUES

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KEY PLAN

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Scale: H 1:500, V 1:50

SEAL

ROAD GRADE	ROAD GRADE	TOP OF WATERMAIN	TOP OF WATERMAIN	STM SEWER INVERT	STM SEWER INVERT	SAN SEWER INVERT	SAN SEWER INVERT	STATION	STATION
106.196 106.230	106.867	103.971	104.190	103.971	103.971	102.481	102.481	+000	+000
106.683	106.883	104.180	104.183	104.180	104.183	104.236	104.236	+020	+020
106.582	106.462	104.082	104.012	104.082	104.012	103.952	103.952	+040	+040
106.381	106.380	103.881	103.860	103.881	103.860	103.791	103.791	+080	+080
106.861	106.800	104.103	104.161	104.103	104.161	103.791	103.791	+100	+100
106.884	106.867	104.435	104.443	104.435	104.443	103.455	103.455	+120	+120
107.069	107.069	104.569	104.501	104.569	104.501	103.455	103.455	+140	+140
107.170	107.110	104.667	104.607	104.667	104.607	103.345	103.345	+160	+160
107.072	107.072	104.667	104.667	104.667	104.667	103.345	103.345	+180	+180
107.072	107.072	104.667	104.667	104.667	104.667	103.345	103.345	+200	+200
103.345	103.345	103.345	103.345	103.345	103.345	103.345	103.345	+220	+220

PROJECT  
**CRT**

PROJECT NO:  
**126715**

DRAWN BY:  
**D.D. E.H.**

CHECKED BY:  
**DGY**

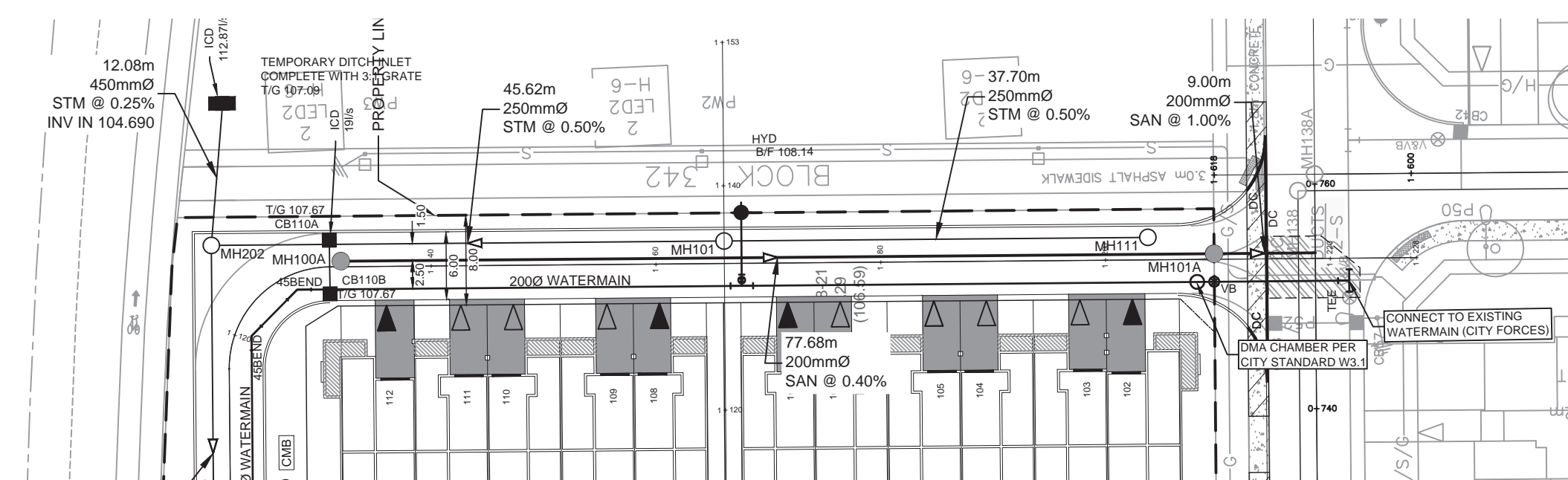
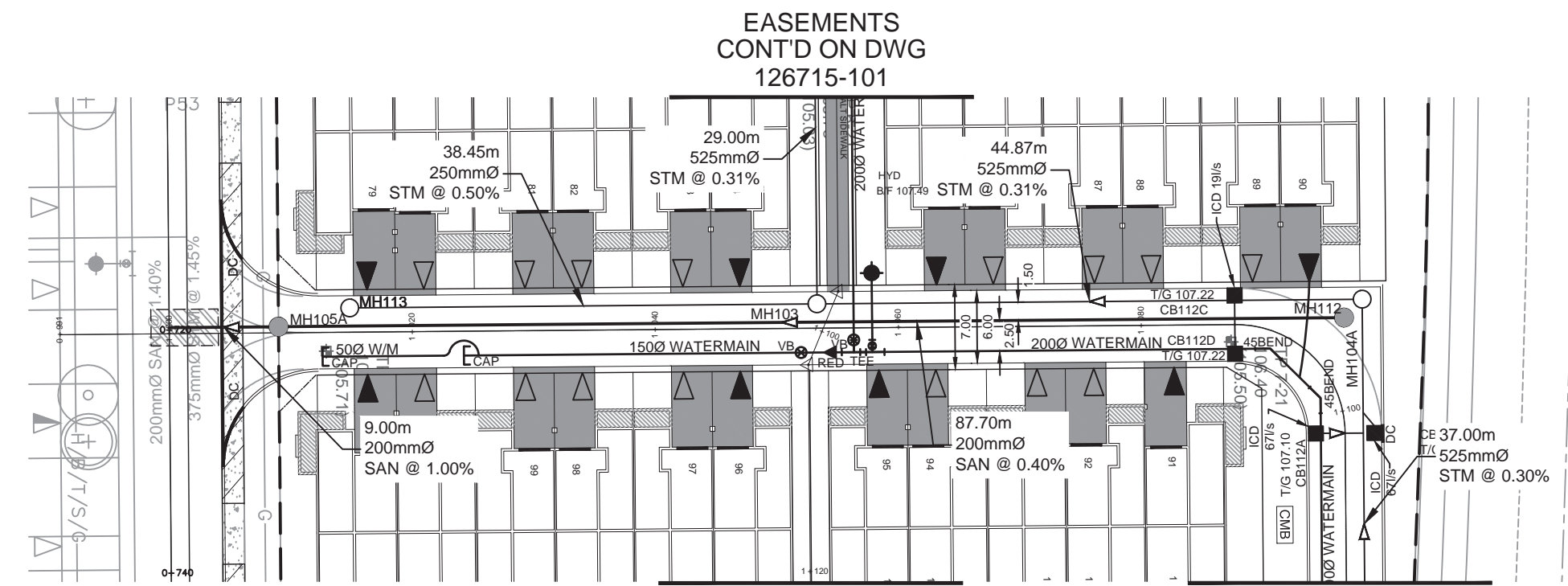
PROJECT MGR:  
**DGY**

APPROVED BY:  
**DGY**

SHEET TITLE  
**STREET 4**

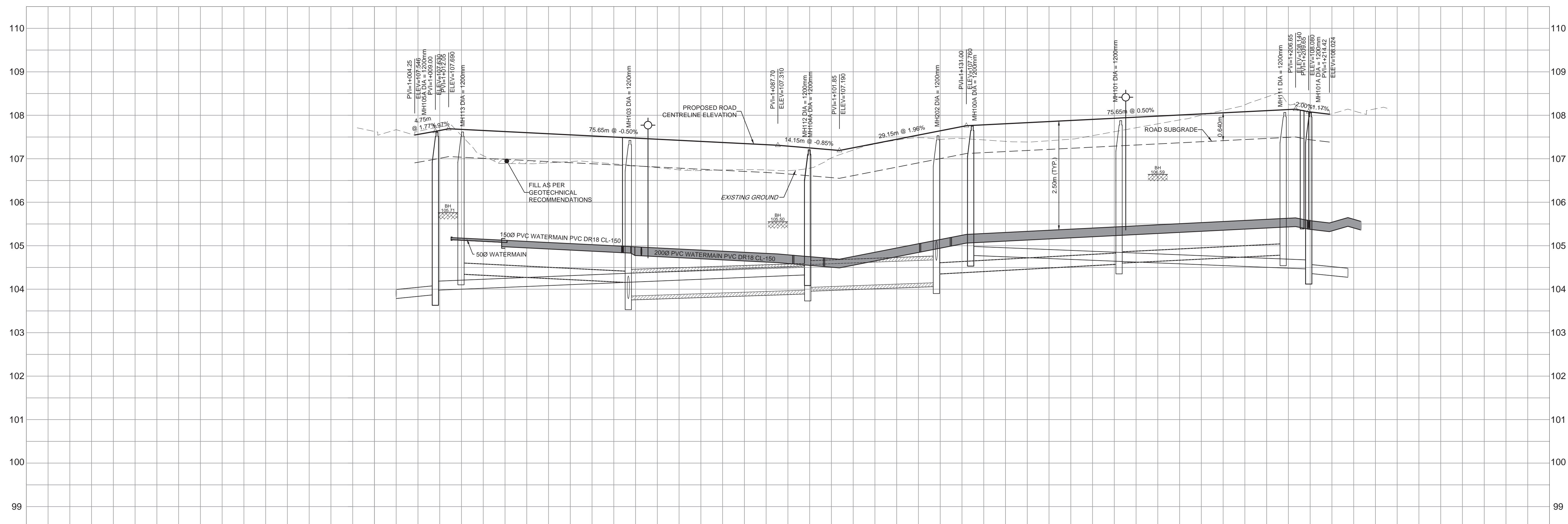
SHEET NUMBER  
**102**

ISSUE  
**1**



STREET 5

STREET 5



ROAD GRADE	107.546	107.630	107.680	107.650		107.449	107.349	107.310	107.206	107.150	107.545	107.760	107.805	107.905	108.006	108.107	108.140	108.080	108.024		
TOP OF WATERMAIN		105.187	105.150	105.129	105.123	105.050	104.989	104.979	104.896	104.860	104.849	104.849	104.810	104.780	104.720	104.706	104.690	104.650	104.645	104.645	104.645
STM SEWER INVERT			38.45m 250mmØ PVC DR-35 STM @ 0.50%				44.87m 525mmØ CONC. CL 65-D STM @ 0.31%		37.00m 525mmØ CONC. CL 65-D STM @ 0.30%			45.62m 250mmØ PVC DR-35 STM @ 0.50%			37.70m 250mmØ PVC DR-35 STM @ 0.50%		9.00m 200mmØ PVC DR-35 SAN @ 1.00%				
SAN SEWER INVERT	103.789	103.928	103.979	103.979	103.979	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840	103.840
STATION	1+000	1+012.602 C/P	1+020 1+024.236 C/P	1+040	1+051.995 V/B	1+051.995 V/B	1+080	1+091.254 4#8BND	1+100	1+120 4#8BND	1+140	1+160	1+180	1+200	1+220	1+227.674 TEE					



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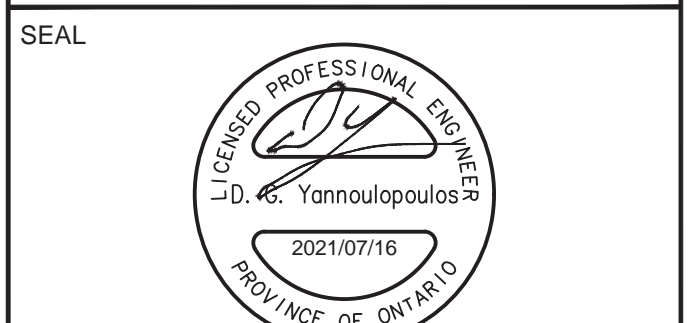
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PROJECT  
**CRT**

PROJECT NO:  
**126715**

DRAWN BY:  
**D.D. E.H.**

PROJECT MGR:  
**DGY**

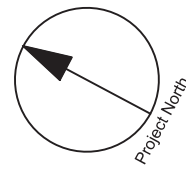
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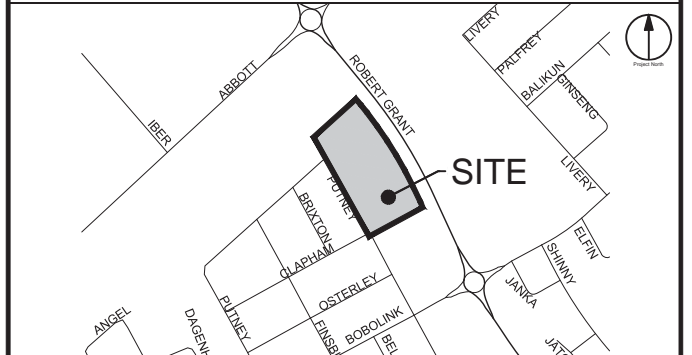
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PROJECT NO:	<b>126715</b>	
DRAWN BY:	<b>D.D. E.H.</b>	
CHECKED BY:	<b>DGY</b>	
PROJECT MGR:	<b>DGY</b>	
APPROVED BY:	<b>DGY</b>	
SHEET TITLE	<b>STREET 5</b>	
SHEET NUMBER	<b>103</b>	ISSUE
		<b>1</b>





ISSUES	No.	DESCRIPTION	DATE
	1	ISSUED TO CITY FOR REVIEW	2021-01-22
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PROJECT

**CRT**

**BLOCK 324**

PROJECT NO:  
**126715**

DRAWN BY:  
**D.D. E.H.**

PROJECT MGR:  
**DGY**

CHECKED BY:  
**DGY**

APPROVED BY:  
**DGY**

SHEET TITLE

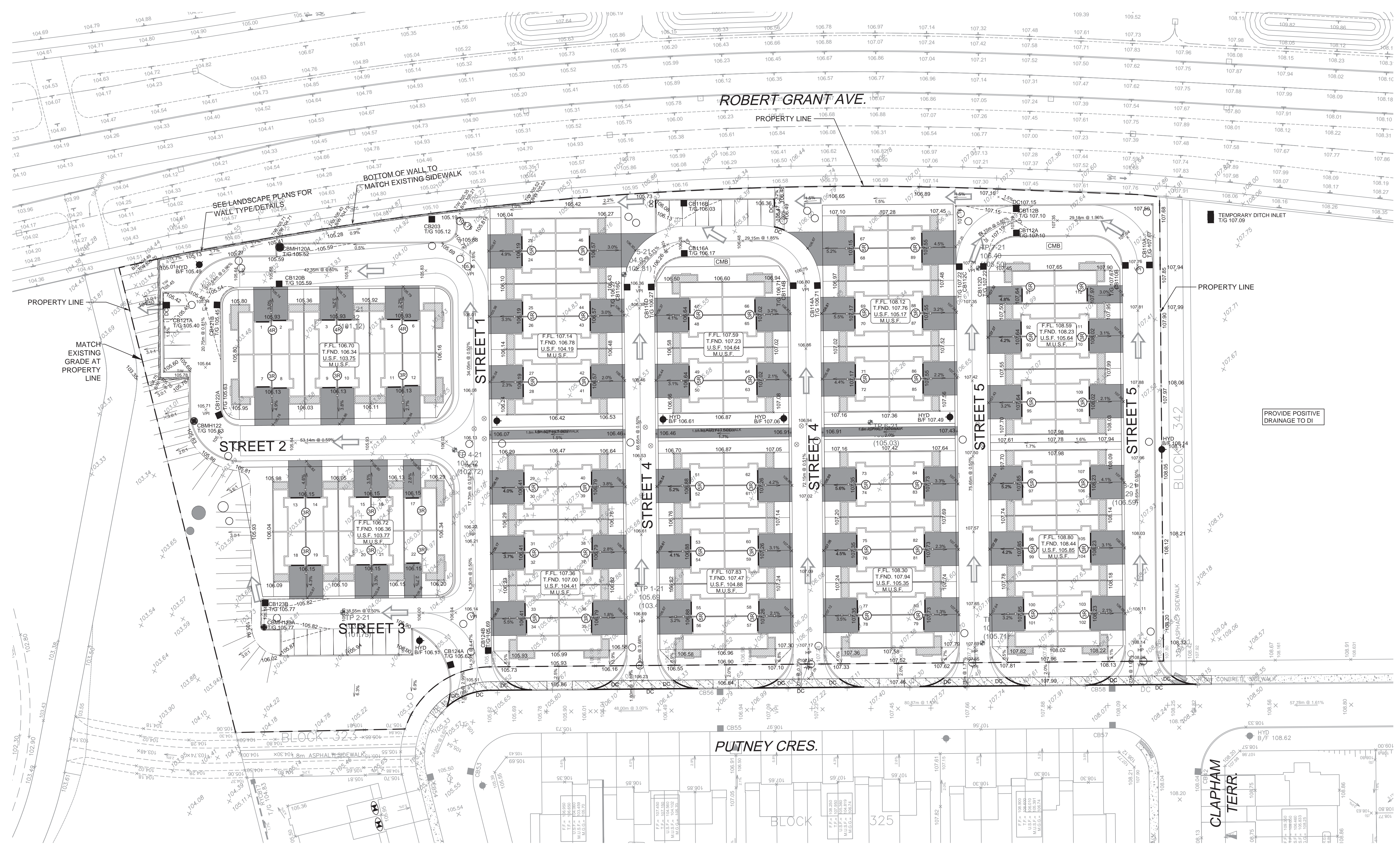
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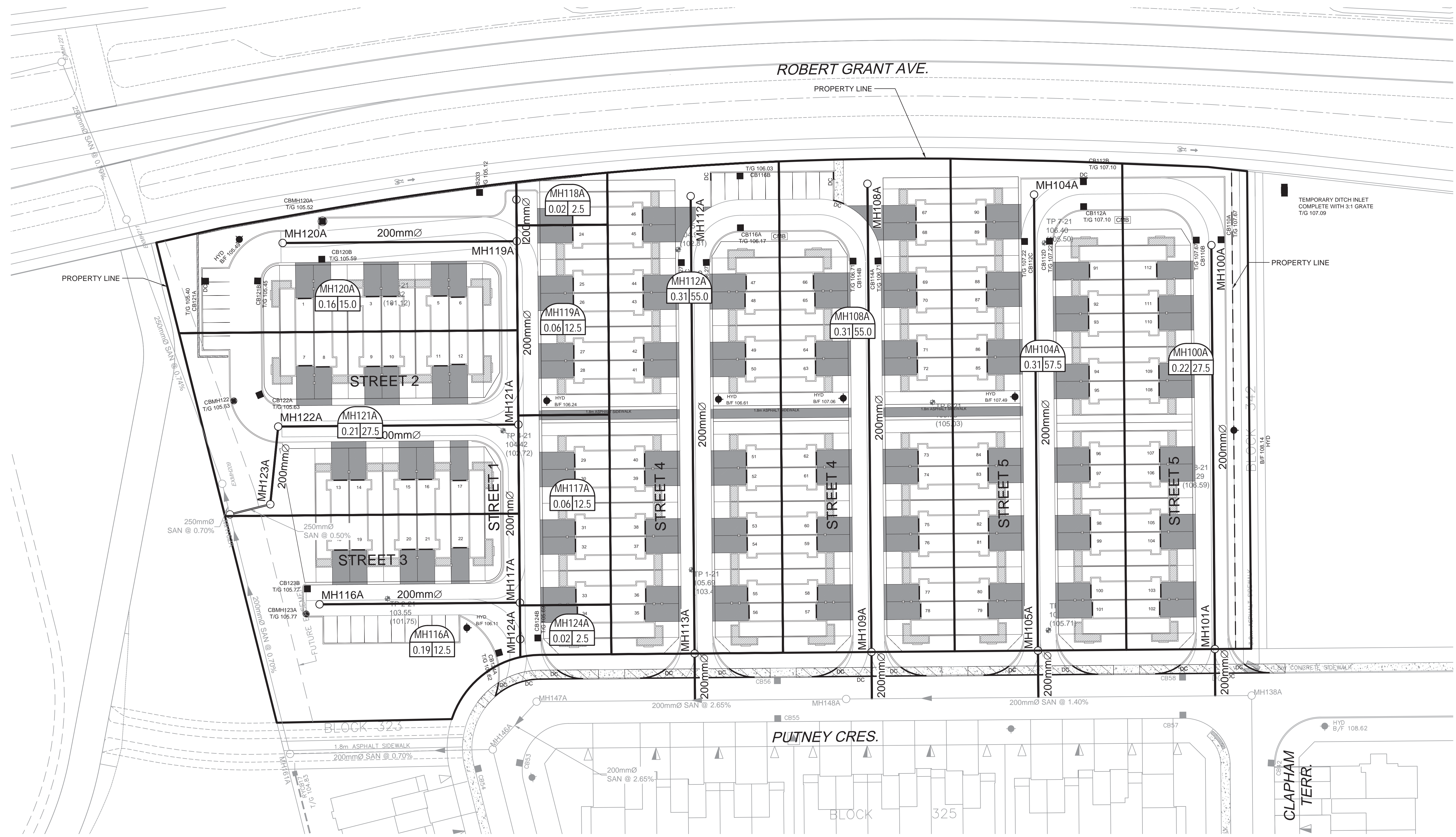
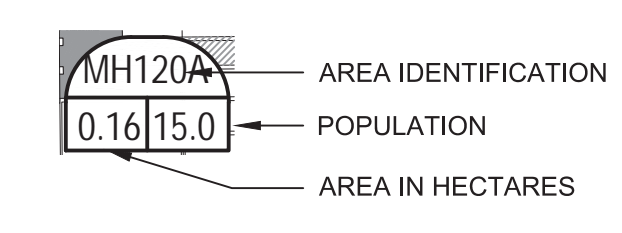
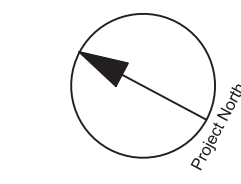
SHEET NUMBER

**200**

ISSUE

**1**





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**CLARIDGE  
HOMES**

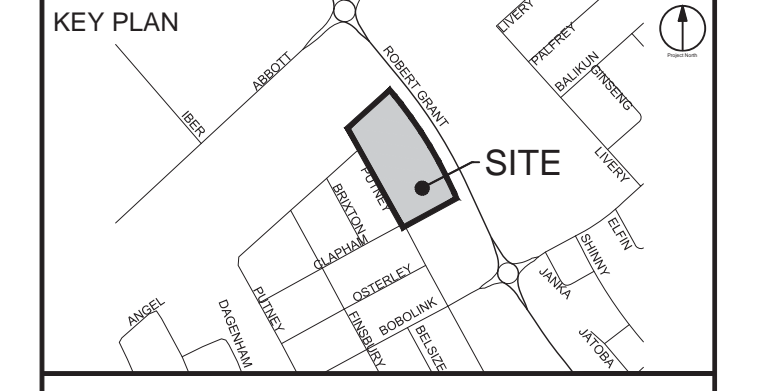
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1:400

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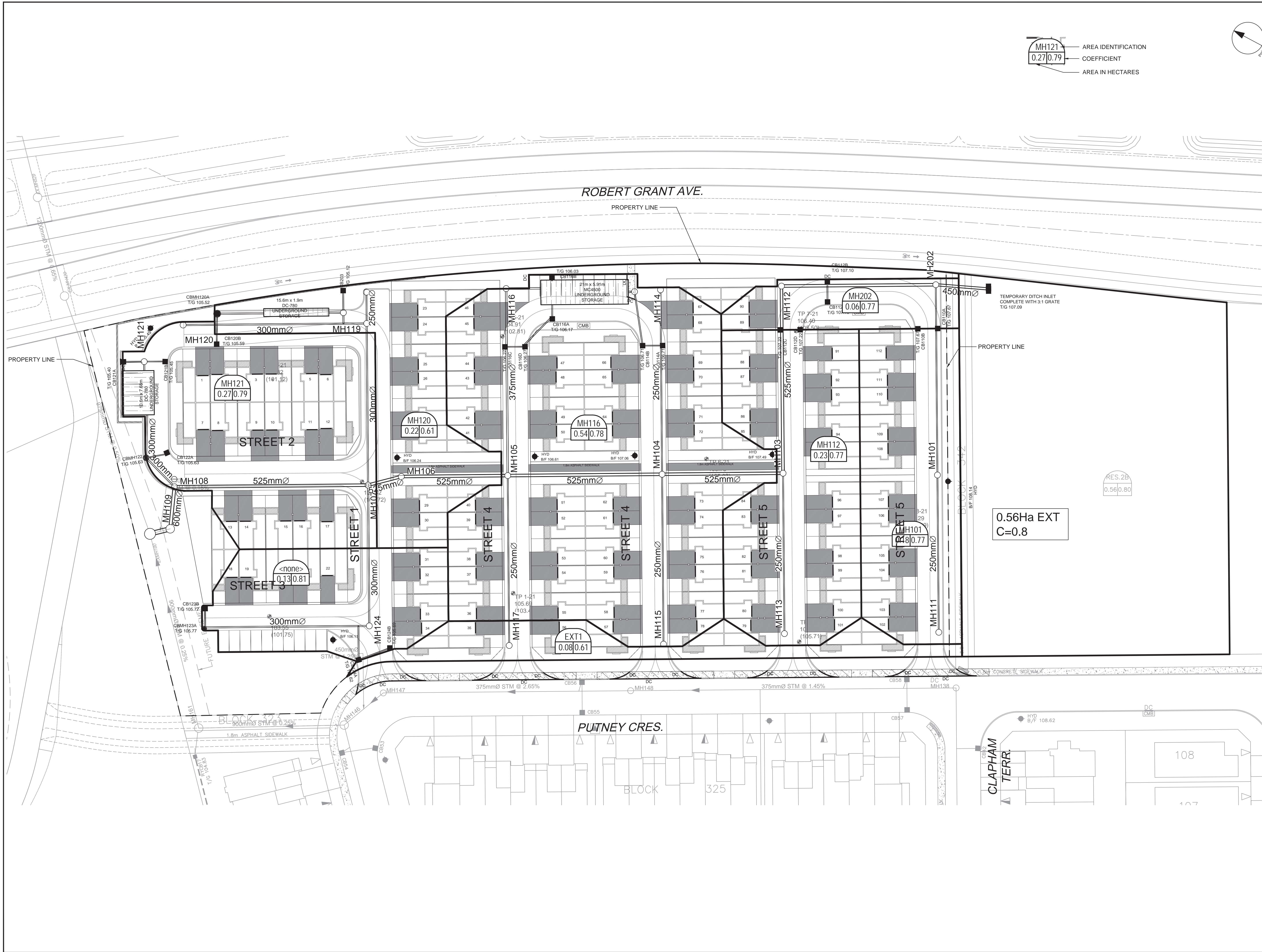
**PROJECT**  
CRT  
BLOCK 324

**PROJECT NO:**  
126715

<b>DRAWN BY:</b> D.D. E.H.	<b>CHECKED BY:</b> DGY
<b>PROJECT MGR:</b> DGY	<b>APPROVED BY:</b> DGY

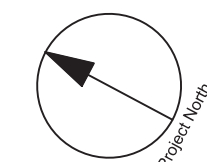
**SHEET TITLE**  
SANITARY DRAINAGE  
AREA PLAN

<b>SHEET NUMBER</b> 400	<b>ISSUE</b> 1
----------------------------	-------------------



MH121  
0.27|0.79

AREA IDENTIFICATION  
COEFFICIENT  
AREA IN HECTARES



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**CLARIDGE HOMES**

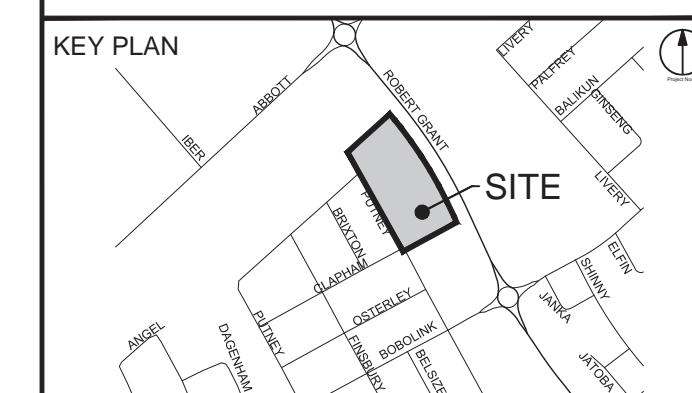
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1:400  
0 4 8 12 16 20m

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PROJECT  
**CRT**  
**BLOCK 324**

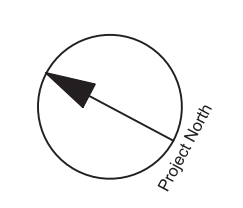
PROJECT NO:  
**126715**

DRAWN BY: <b>D.D. E.H.</b>	CHECKED BY: <b>DGY</b>
PROJECT MGR: <b>DGY</b>	APPROVED BY: <b>DGY</b>

SHEET TITLE  
**STORM DRAINAGE AREA PLAN**

SHEET NUMBER <b>500</b>	ISSUE <b>1</b>
----------------------------	-------------------

**LEGEND :**  
 EMERGENCY OVERLAND FLOW ROUTE



CLIENT

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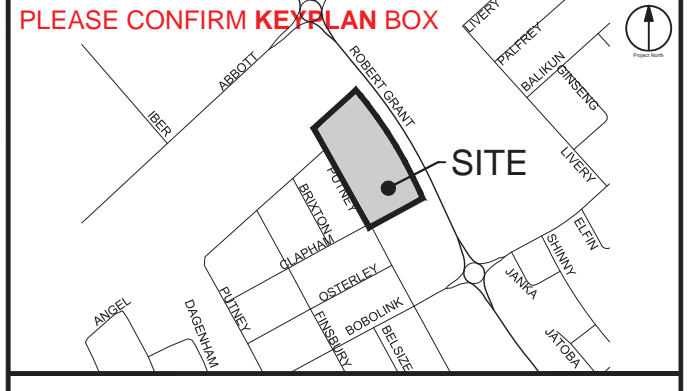
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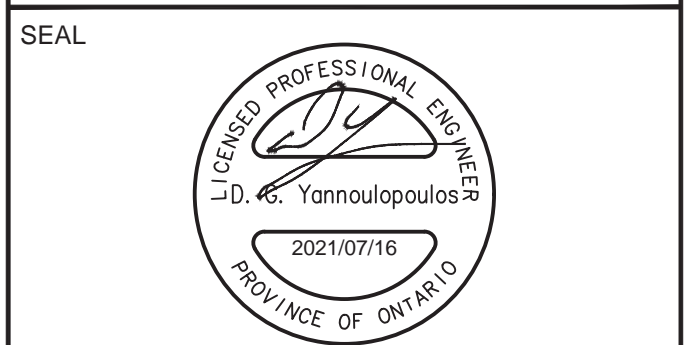
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PROJECT

**CRT**

**BLOCK 324**

PROJECT NO:  
126715

DRAWN BY:  
D.D. E.H.

PROJECT MGR:  
DGY

CHECKED BY:  
DGY

APPROVED BY:  
DGY

SHEET TITLE

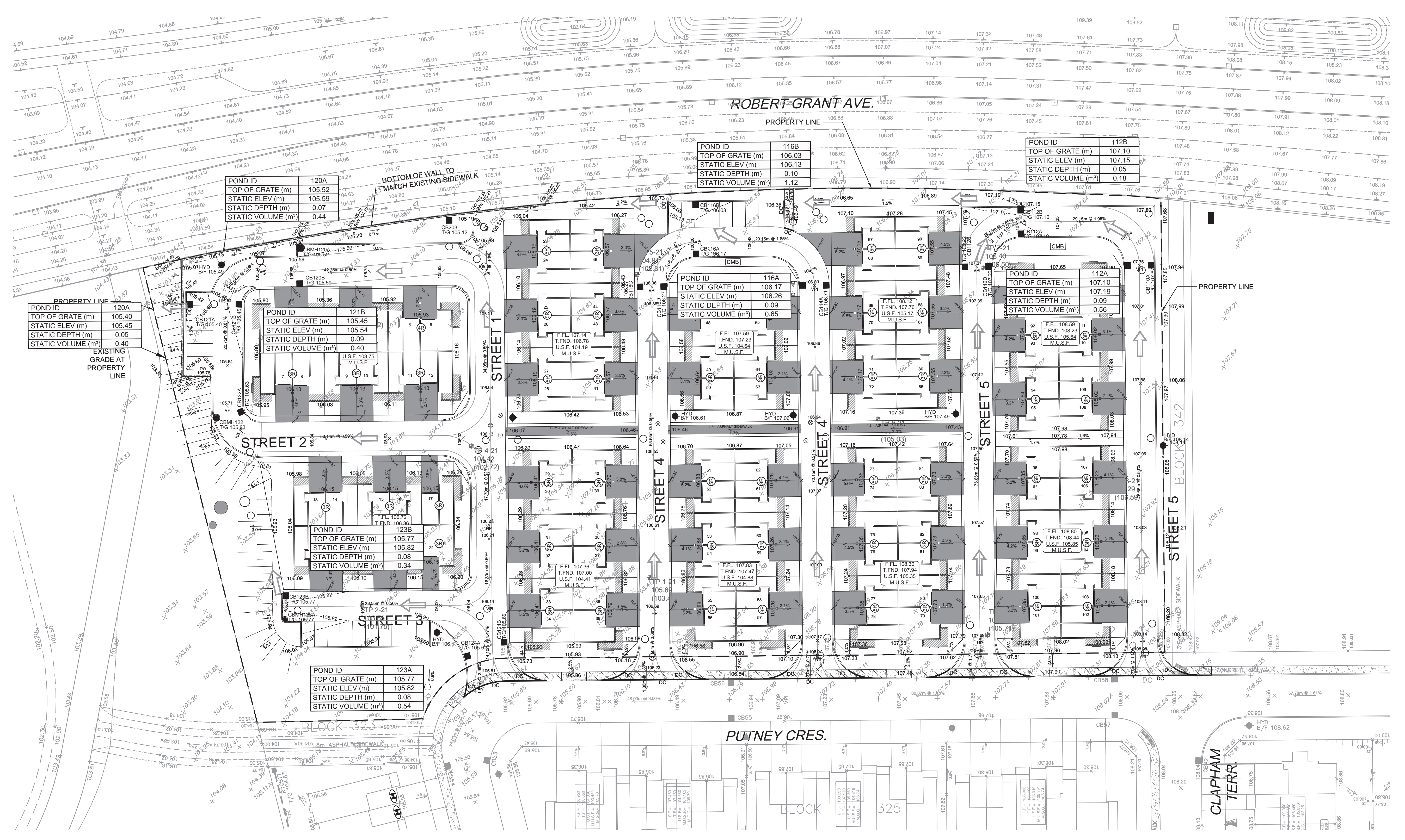
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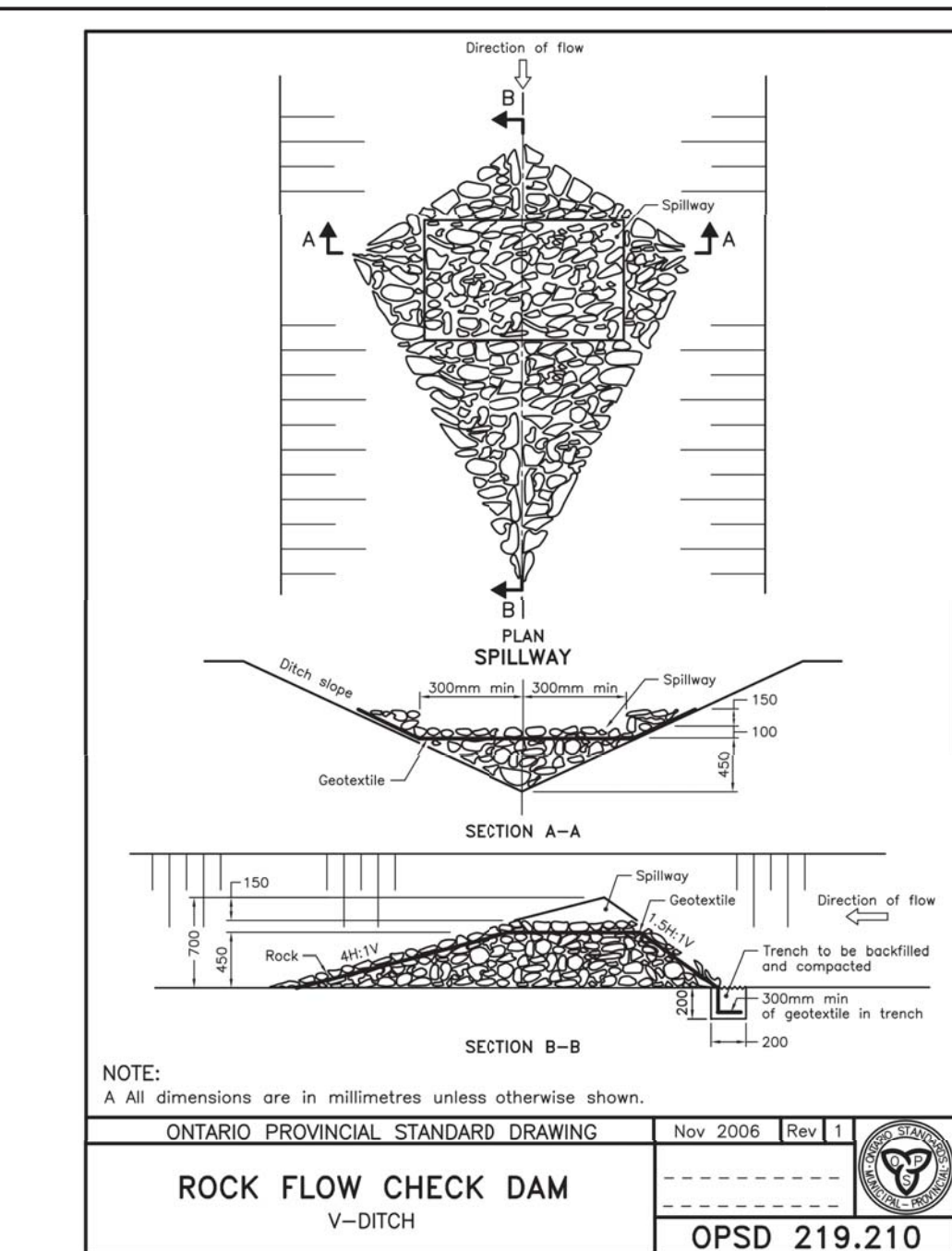
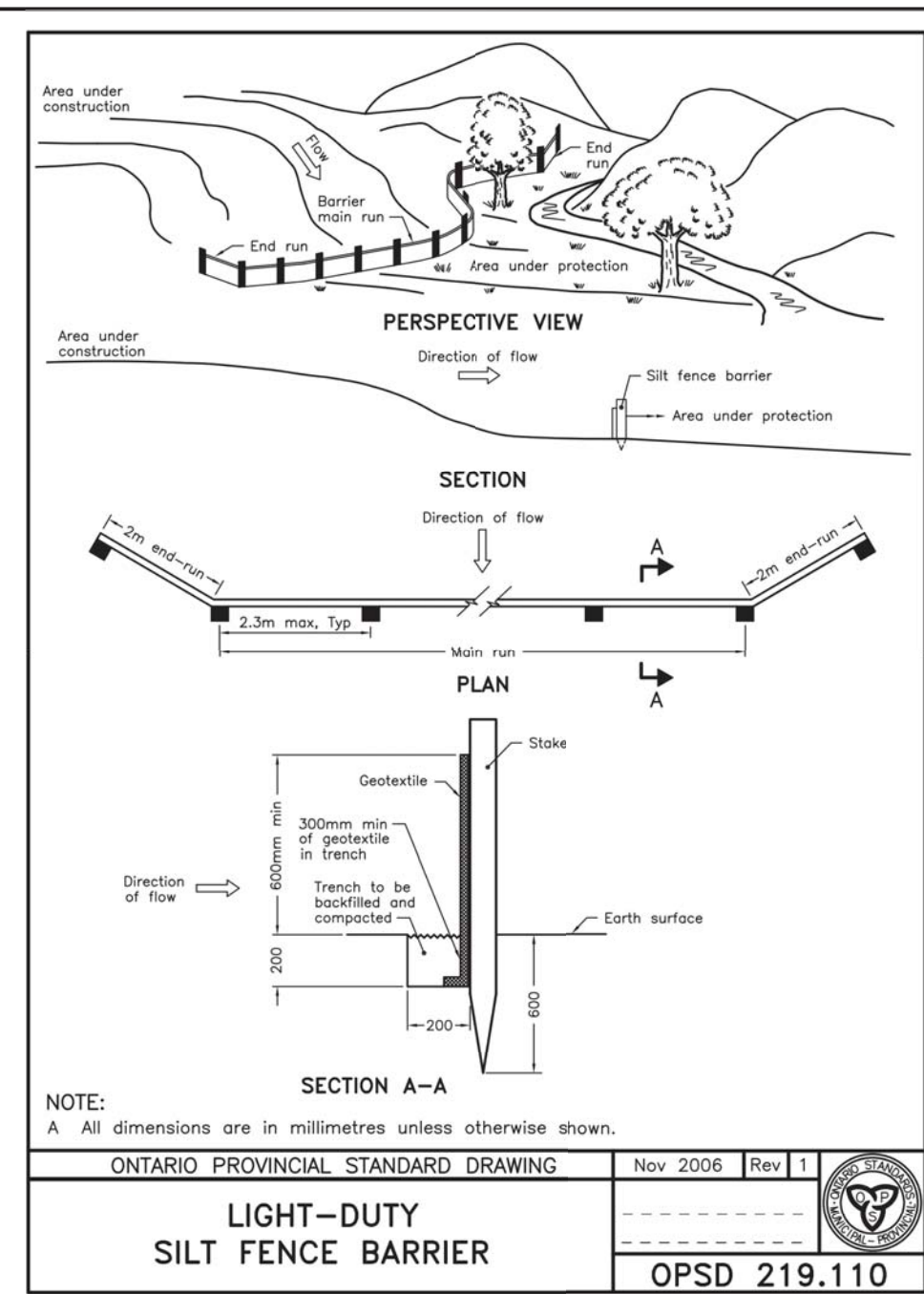
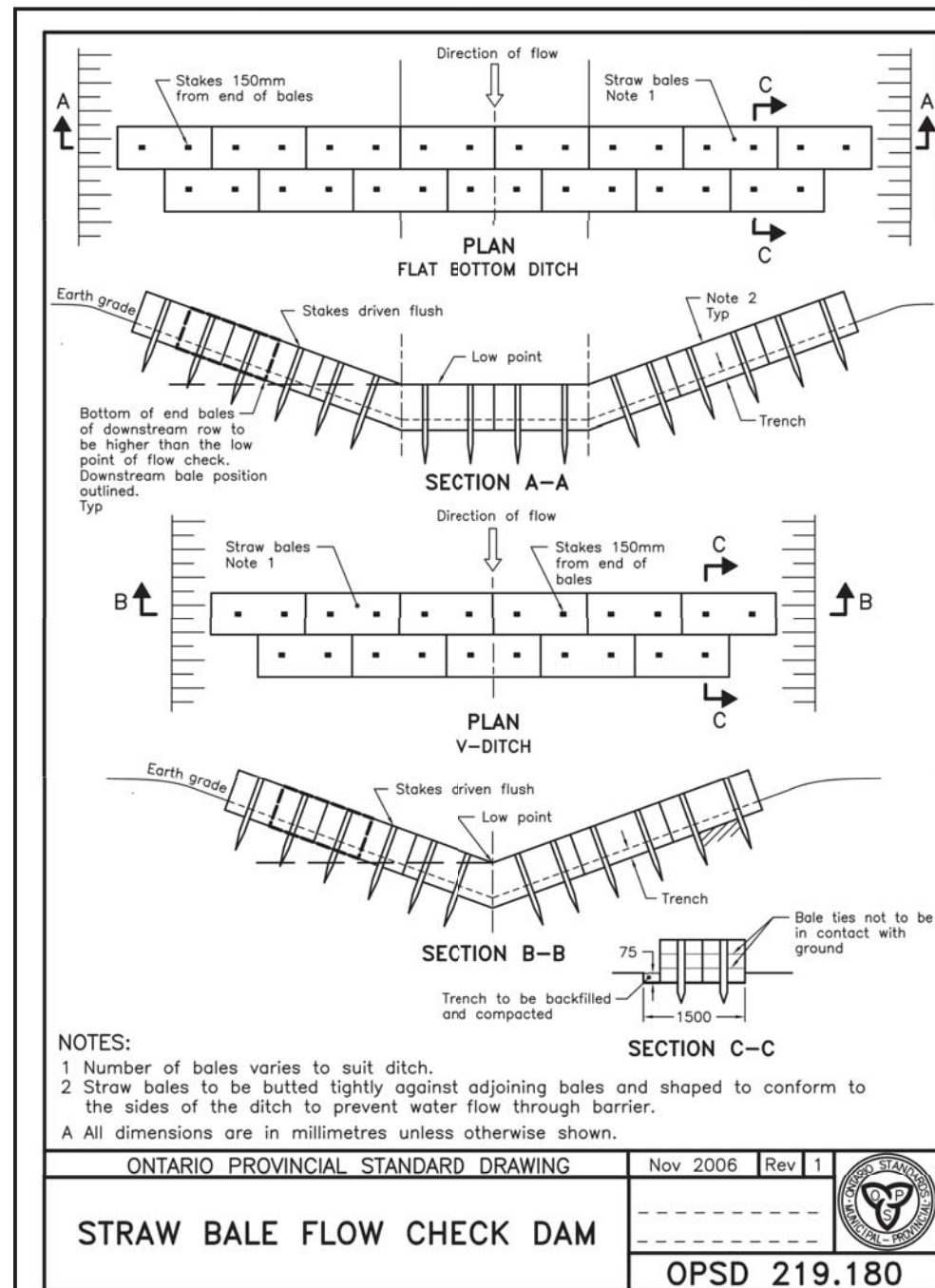
SHEET NUMBER

**600**

ISSUE

**1**



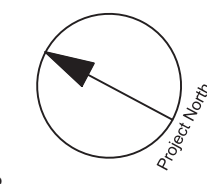


**NOTES:**

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- SILT FENCE TO BE ERRECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
- STRAW BALE SEDIMENT TRAPS TO BE CONSTRUCTED IN EXISTING ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.
- SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET C&B TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
- CONTRACTOR TO PROVIDE DETAILS ON LOCATION(S) AND DESIGN OF DEWATERING TRAP(S) PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAP(S) AND ADJUSTING SIZE(S) IF DEEMED REQUIRED BY THE ENGINEER DURING CONSTRUCTION.
- CONTRACTOR TO PROTECT EXISTING CATCHBASINS WITH FILTER CLOTH UNDER THE COVERS TO TRAP SEDIMENTATION. REFER TO IDENTIFIED STRUCTURES.
- WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
- THIS IS A 'LIVING DOCUMENT' AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT

**LEGEND:**

- LIGHT DUTY SILT FENCE AS PER OPSD-219.110
- SNOW FENCE
- STRAW BALE CHECK DAM AS PER OPSD-219.180
- ROCK CHECK DAM AS PER OPSD-219.210
- SILT SACK PLACED UNDER EXISTING CB COVER
- TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH



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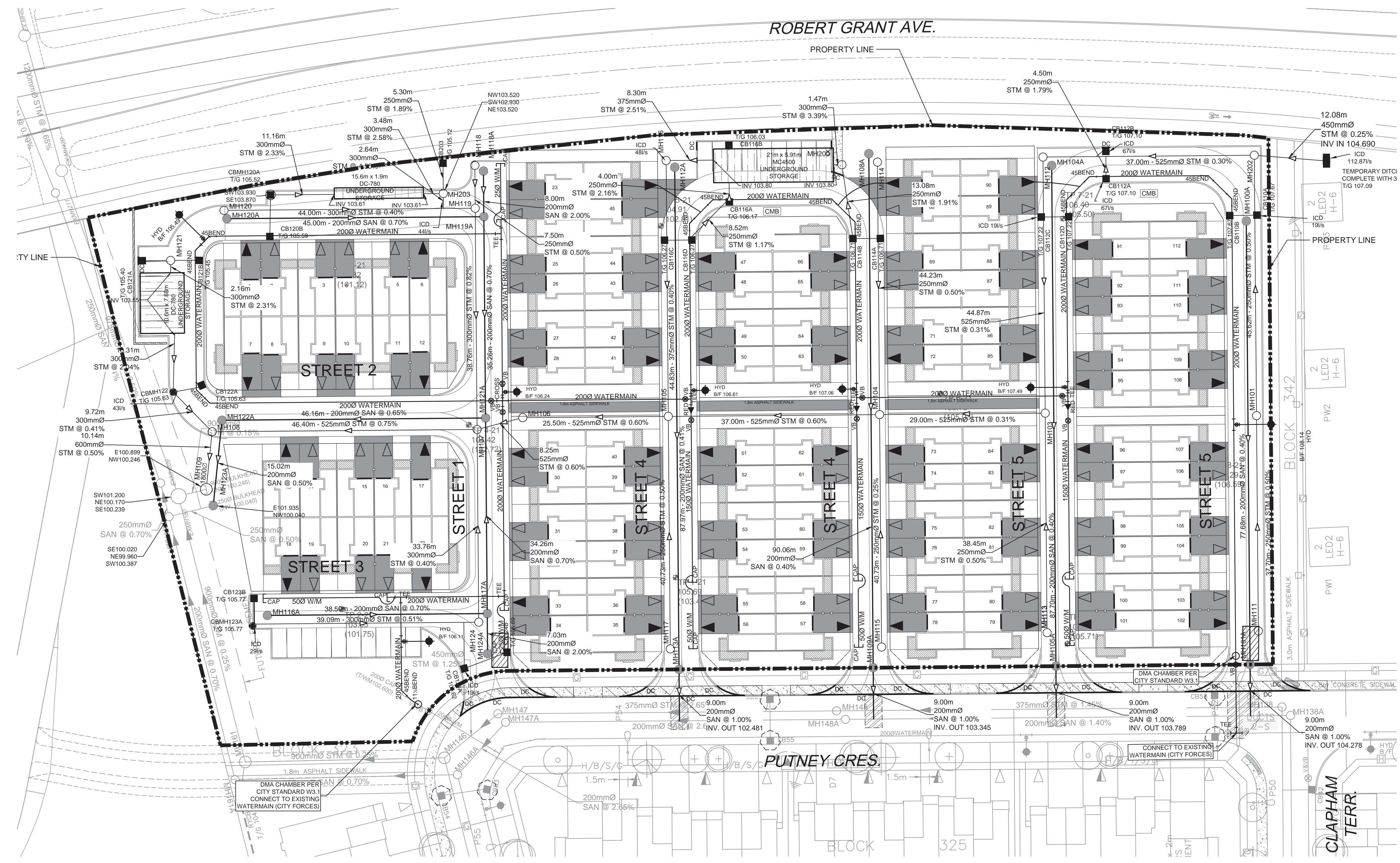
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ISSUES		
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**KEY PLAN**  
SITE

**CONSULTANTS**

**SEAL**  
LICENSED PROFESSIONAL ENGINEER  
J.D. K. Yarnopoulos  
2021/07/16  
PROVINCE OF ONTARIO



**NOT FOR CONSTRUCTION**

**PROJECT**  
CRT  
BLOCK 324

**PROJECT NO:**  
126715

**DRAWN BY:**  
D.D. E.H.

**CHECKED BY:**  
DGY

**PROJECT MGR:**  
DGY

**APPROVED BY:**  
DGY

**SHEET TITLE**  
EROSION AND SEDIMENTATION CONTROL PLAN

**SHEET NUMBER**  
900

**ISSUE**  
1