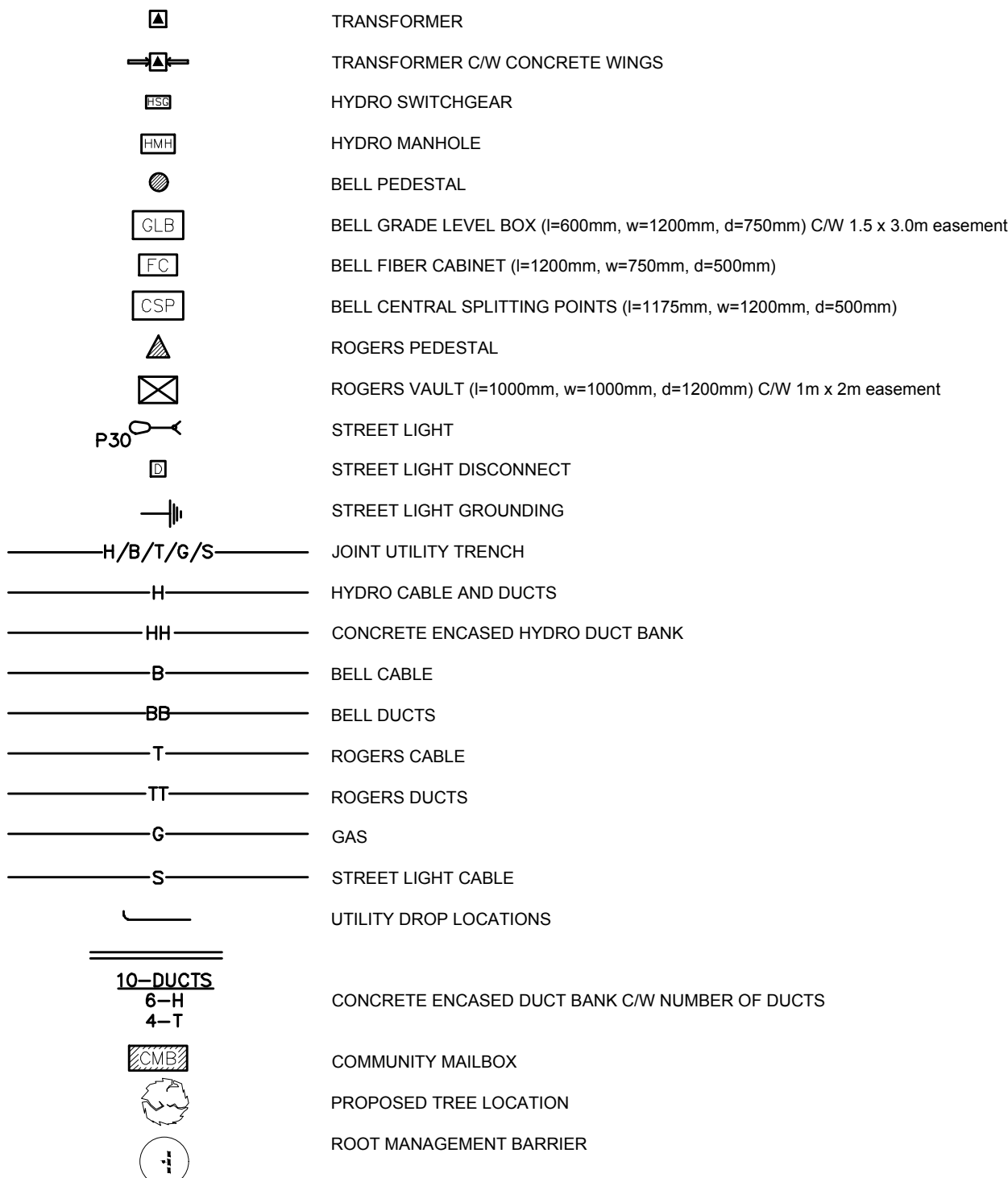
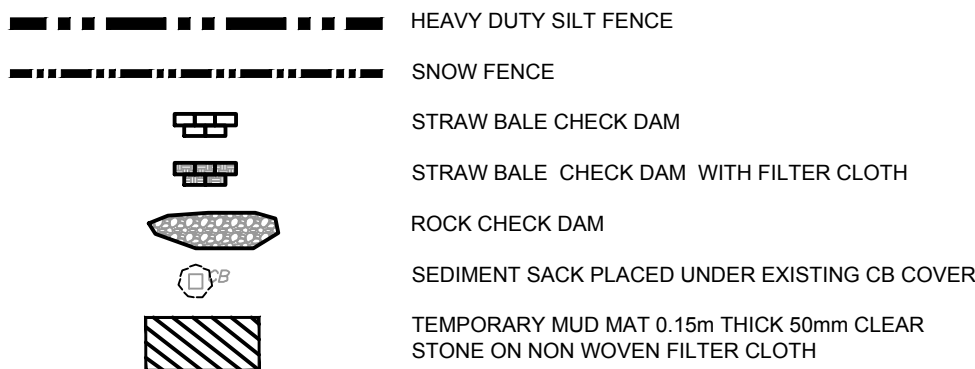


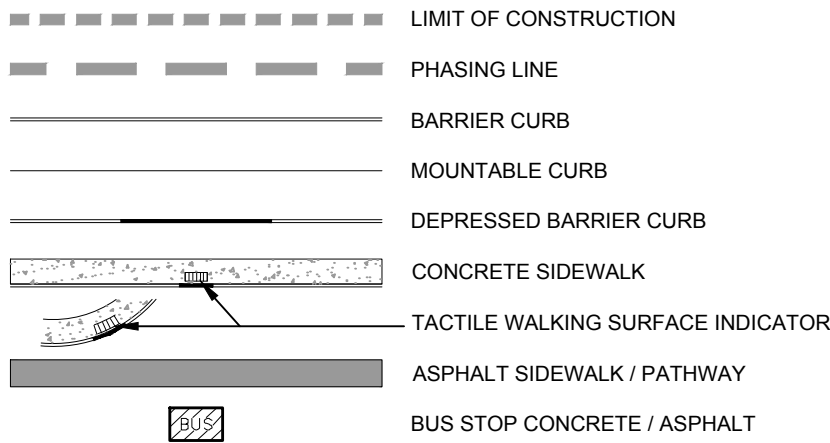
UTILITY LEGEND



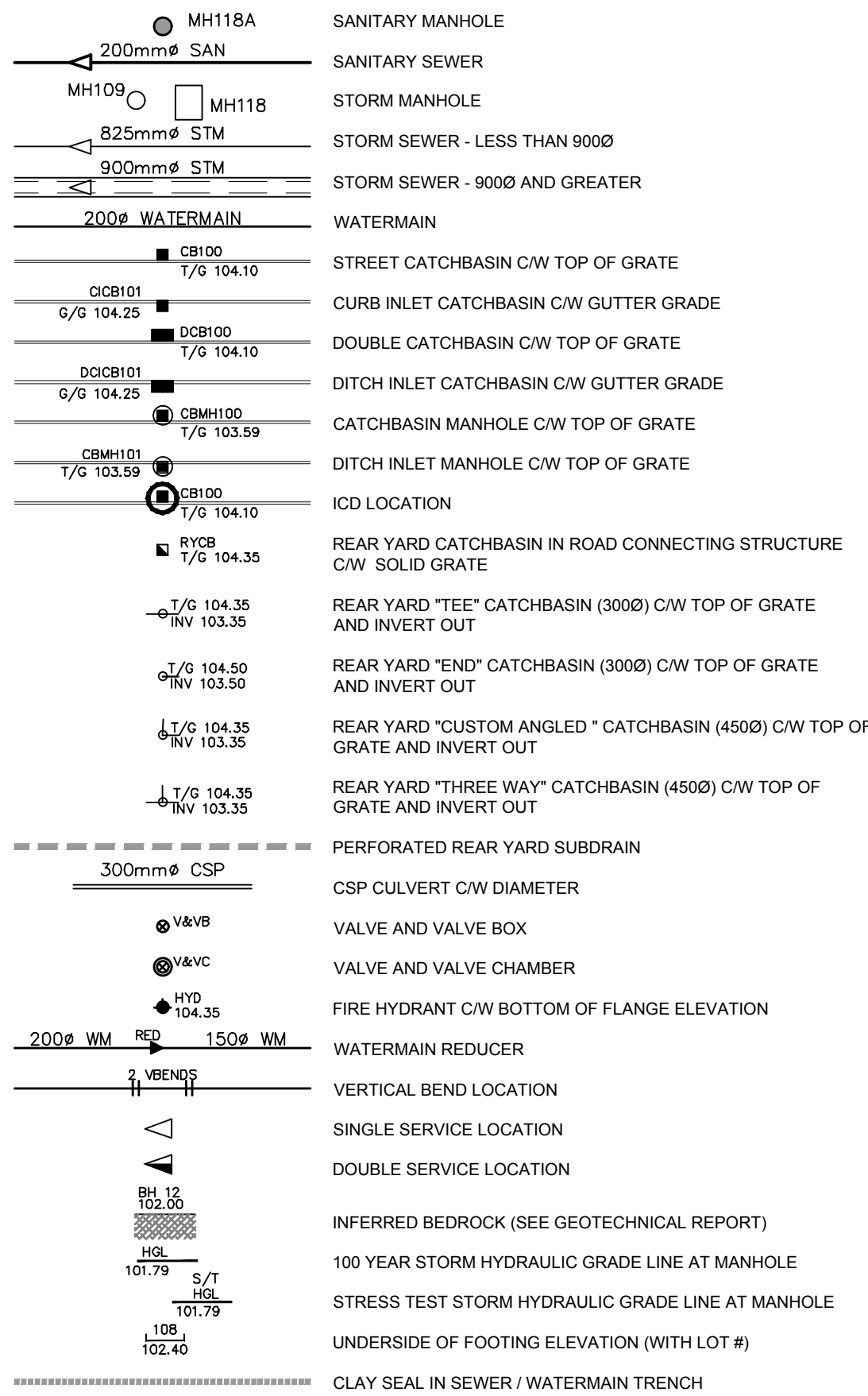
SEDIMENT EROSION LEGEND



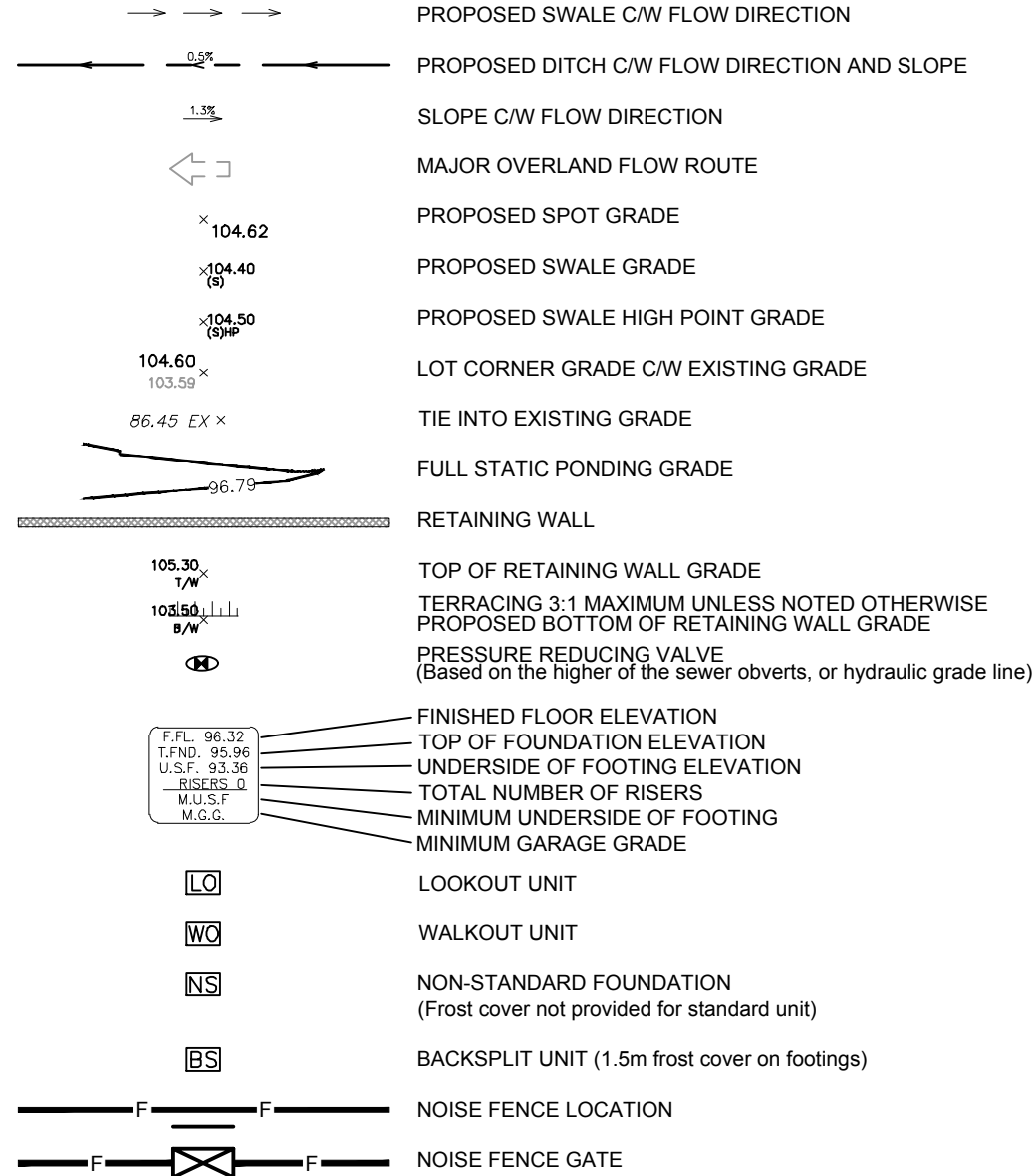
GENERAL LEGEND



SERVICING LEGEND



GRADING LEGEND



NOTES :

- ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION AND SHALL PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
- FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT DATED JANUARY 2017 PREPARED BY GOLDER ASSOCIATES LTD.
- FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY NOVATECH BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
- ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL. IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- REFER TO DRAWING 011 FOR ROADWAY CROSS SECTIONS.
- SILT FENCE TO BE ERECTED 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 PLACED AND MAINTAINED IN EXISTING AND CONSTRUCTED ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED (IF APPLICABLE).
- SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET Cbs 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.
- ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- ALL LEADS FOR STREET CBs CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL STREET Cbs SHALL BE CONSTRUCTED WITH TWO 6m 450mmØ PERFORATED SUBDRAINS. ALL LEADS FOR RYCBs CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE. REARYARD DRAINAGE SYSTEMS ARE NON-STANDARD REFER TO PLANS.
- THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
- THE COMPOSITE UTILITY PLAN HAS BEEN REVIEWED BY IBI GROUP FOR CONFORMITY TO THE DESIGN CONCEPT FOR THE DEVELOPMENT AND FOR GENERAL ARRANGEMENT ONLY AND AS SUCH SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN EITHER LAYOUT OR WORKMANSHIP.
- THIS DRAWING IS A COMPILATION OF OTHER UTILITY DESIGNS AND DOES NOT INDICATE IN ANY WAY THAT THE PARTY SIGNING THIS DRAWING HAS DESIGNED OR APPROVED THE RESPECTIVE UTILITY PLANTS INDICATED ON THIS DRAWING. THE DRAWING WAS PREPARED TO BE USED AS REFERENCE ONLY AS PER REQUIREMENTS OF THE CITY OF OTTAWA. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE IT HAS REVIEWED THE CURRENT AND EXISTING DESIGNS BY HYDRO, STREET LIGHTING, BELL, CANADA POST, O.C. TRANSPO, CABLE TV AND ANY OTHER PARTIES INCLUDED BUT NOT MENTIONED AND COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAKEHOLDER UTILITY DESIGNS.
- THE HGL PROVIDED IS BASED ON HYDRAULIC MODELING COMPLETED USING XPSWMM AND THE 100 YEAR CHICAGO STORM EVENT (C3H10010).
- ALL UTILITY BOXES (i.e. PEDESTALS, TRANSFORMERS, ETS) ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA'S "GUIDELINES FOR UTILITY PEDESTALS WITHIN THE ROAD RIGHT OF WAY"
- ALL MANHOLES PER OPSD 701.010 AND CATCHBASINS PER OPSD 705.010. ALL MH FRAME AND COVERS PER S24.1. ALL CBMH FRAMES AND COVERS S28.1. ALL CB FRAMES AND COVERS PER S19. ALL LANDSCAPE DRAINS TO BE HDPE COMPATIBLE WITH SPECIFIED INLET/OUTLET PIPE SIZE, TO COME WITH 300mm CAST IRON FRAME AND COVER PER S30.
- INSULATE WATERMAIN AT ALL OPEN STRUCTURES PER W23.

ROADWAY STRUCTURE:

LOCAL ROAD : (615mm)

INLET CONTROL DEVICE (ICD) TABLE				
STRUCTURE ID	ICD TYPE	FLOW RATE	HEAD	
MH5B	IPEX MHF CUSTOM 114mm DIAMETER	48.91	3.251	
CB2A	IPEX MHF 83mm DIAMETER	17.01	1.400	
CB2C	IPEX MHF 83mm DIAMETER	33.78	1.380	
CB2E	IPEX MHF 83mm DIAMETER	33.54	1.360	
CB3A	IPEX MHF 83mm DIAMETER	17.43	1.470	
RYCB3	IPEX MHF 83mm DIAMETER	16.40	1.300	
RYCB5	IPEX MHF 83mm DIAMETER	21.28	2.190	

APPROVED
By Lily Xu at 12:13 pm, Dec 03, 2019

LILY XU, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

14			
13			
12			
11			
10			
9			
8			
7			
6	REVISED AS PER CITY COMMENTS	DGY	19:10:01
5	REVISED PER UTILITY COMMENTS	DGY	19:08:14
4	REVISED PER ADDENDUM #1	DGY	19:08:13
3	ISSUED FOR TENDER	DGY	19:07:29
2	REVISED AS PER CITY COMMENTS	DGY	19:07:19
1	ISSUED FOR SPA	DGY	19:04:01
No.	REVISIONS	By	Date



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Project Title

BLOCK 225



Drawing Title

GENERAL NOTES,
LEGEND AND
ICD TABLE

Scale

N.T.S.

Design

Date

APRIL 2019

Drawn

Checked

DGY

Project No.

Drawing No.

114312

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