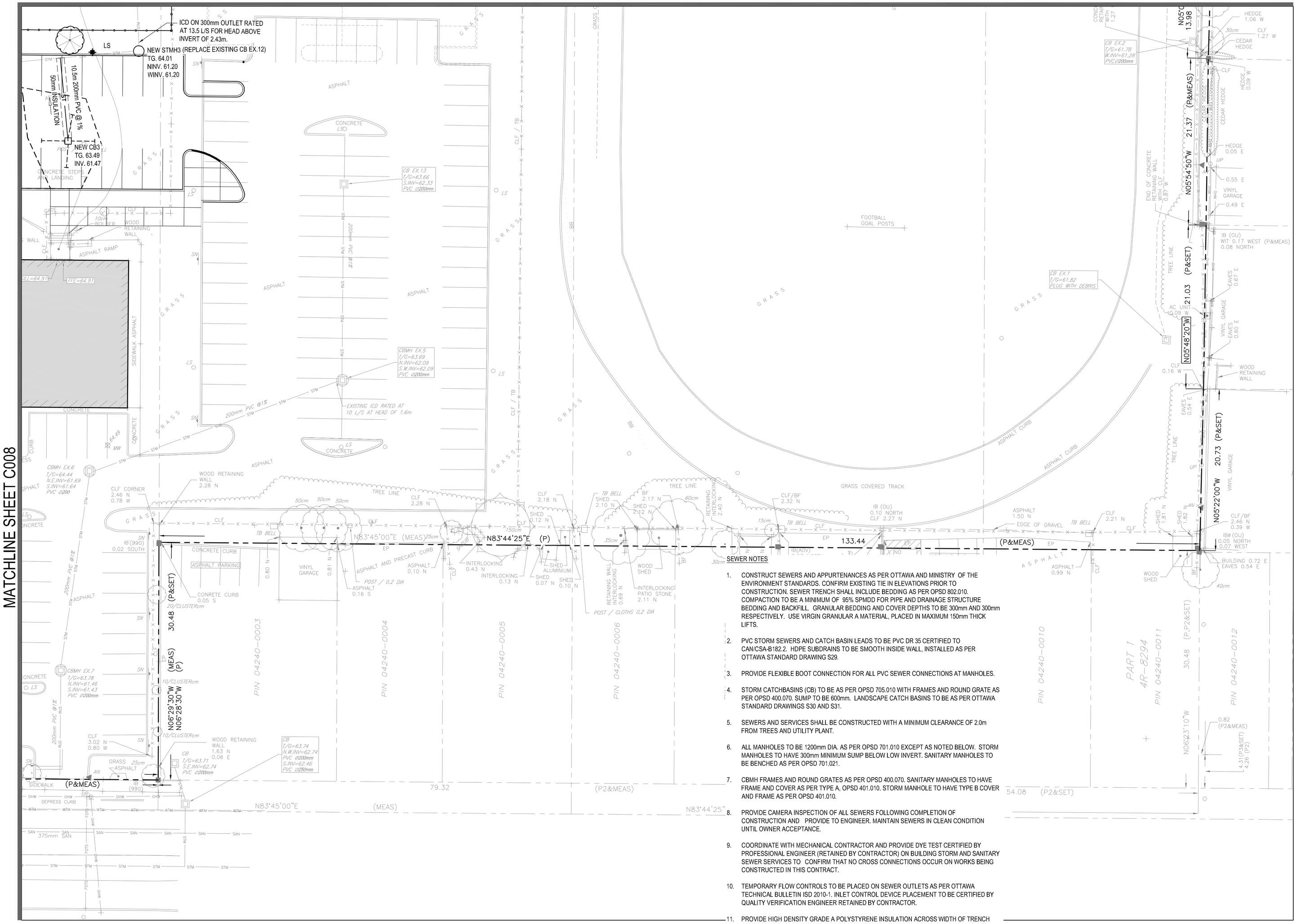
MATCHLINE SHEET C010

MATCHLINE SHEET C008



SERVICES PLAN

1 / C009

SCALE= 1:250

SEWER NOTES

1. CONSTRUCT SEWERS AND APPURTENANCES AS PER OTTAWA AND MINISTRY OF THE ENVIRONMENT STANDARDS. CONFIRM EXISTING TIE IN ELEVATIONS PRIOR TO CONSTRUCTION. SEWER TRENCH SHALL INCLUDE BEDDING AS PER OPSD 802.010. COMPACTION TO BE A MINIMUM OF 95% SPMDD FOR PIPE AND DRAINAGE STRUCTURE BEDDING AND BACKFILL. GRANULAR BEDDING AND COVER DEPTHS TO BE 300mm AND 300mm RESPECTIVELY. USE VIRGIN GRANULAR A MATERIAL, PLACED IN MAXIMUM 150mm THICK LIFTS.
2. PVC STORM SEWERS AND CATCH BASIN LEADS TO BE PVC DR 35 CERTIFIED TO CAN/CSA-B182.2. HDPE SUBDRAINS TO BE SMOOTH INSIDE WALL, INSTALLED AS PER OTTAWA STANDARD DRAWING S29.
3. PROVIDE FLEXIBLE BOOT CONNECTION FOR ALL PVC SEWER CONNECTIONS AT MANHOLES.
4. STORM CATCHBASINS (CB) TO BE AS PER OPSD 705.010 WITH FRAMES AND ROUND GRATE AS PER OPSD 400.070. SUMP TO BE 600mm. LANDSCAPE CATCH BASINS TO BE AS PER OTTAWA STANDARD DRAWINGS S30 AND S31.
5. SEWERS AND SERVICES SHALL BE CONSTRUCTED WITH A MINIMUM CLEARANCE OF 2.0m FROM TREES AND UTILITY PLANT.
6. ALL MANHOLES TO BE 1200mm DIA. AS PER OPSD 701.010 EXCEPT AS NOTED BELOW. STORM MANHOLES TO HAVE 300mm MINIMUM SUMP BELOW LOW INVERT. SANITARY MANHOLES TO BE BENCHED AS PER OPSD 701.021.
7. CBMH FRAMES AND ROUND GRATES AS PER OPSD 400.070. SANITARY MANHOLES TO HAVE FRAME AND COVER AS PER TYPE A, OPSD 401.010. STORM MANHOLE TO HAVE TYPE B COVER AND FRAME AS PER OPSD 401.010.
8. PROVIDE CAMERA INSPECTION OF ALL SEWERS FOLLOWING COMPLETION OF CONSTRUCTION AND PROVIDE TO ENGINEER. MAINTAIN SEWERS IN CLEAN CONDITION UNTIL OWNER ACCEPTANCE.
9. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE DYE TEST CERTIFIED BY PROFESSIONAL ENGINEER (RETAINED BY CONTRACTOR) ON BUILDING STORM AND SANITARY SEWER SERVICES TO CONFIRM THAT NO CROSS CONNECTIONS OCCUR ON WORKS BEING CONSTRUCTED IN THIS CONTRACT.
10. TEMPORARY FLOW CONTROLS TO BE PLACED ON SEWER OUTLETS AS PER OTTAWA TECHNICAL BULLETIN ISD 2010-1. INLET CONTROL DEVICE PLACEMENT TO BE CERTIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.
11. PROVIDE HIGH DENSITY GRADE A POLYSTYRENE INSULATION ACROSS WIDTH OF TRENCH (MINIMUM 1220mm) AT 300mm ABOVE STORM SEWERS AND CATCH BASINS LEADS WHERE INDICATED ON DRAWINGS.
12. PROVIDE 150mm DIA. SUBDRAINS AS PER OTTAWA DRAWING R1, EXTENDING FROM ALL NEW CATCHBASINS AND CATCHBASIN MANHOLES LOCATED IN PAVED AREAS BEING CONSTRUCTED IN THIS CONTRACT. SUBDRAINS TO EXTEND 3m IN FOUR DIRECTIONS OR ALONG CURB AS SHOWN ON SERVICING DRAWINGS.
13. PERFORM LEAKAGE TESTING OF SANITARY SEWERS IN ACCORDANCE WITH OPSS 410.07.01.15 AND 407.07.25. TESTING SHALL BE OBSERVED BY AN ONTARIO REGISTERED PROFESSIONAL ENGINEER, RETAINED BY THE CONTRACTOR, WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
14. ABANDONED BUILDING SEWER SERVICES TO BE LOCATED AND CAPPED AT PROPERTY LINE TO THE SATISFACTION OF CITY'S SEWER OPERATIONS.

ICD TABLE

LOCATION	FLOW RATE (L/S)	MAX. POND ELEVATION (m)	HEAD ABOVE PIPE OUTLET INVERT	TYPE	OUTLET PIPE SIZE (mm)
CB19	2.0	62.87	1.92	HYDROVEX 50 VHV-1	200
CB20	1.2	63.31	2.08	HYDROVEX 32 SVHV-1	200
STMH3	13.5	63.63	2.43	STORMWATER TECH 10L	300
CBMH12	12.6	63.32	2.06	STORMWATER TECH 10L	300
CB22	16.4	63.10	2.07	STORMWATER TECH 10L	250
STMH13	66.0	64.27	2.86	STORMWATER TECH ORIFICE	300
CB21	1.0	63.19	2.26	HYDROVEX 32 SVHV-1	200

0 6.25m 12.5m 25m

SCALE: 1:250

REFER TO SHEET C010 FOR PONDING TABLE.

CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST

Le meilleur conseil qu'on puisse vous donner

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PROJECT NO.:

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
2	1	16/05/16	ISSUED FOR SITE PLAN APPLICATION
1	0	16/05/09	ISSUED FOR INTERNAL REVIEW

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TRUE NORTH PLAN NORTH

REGISTERED PROFESSIONAL ENGINEER J. C. JOHNSTON May 16, 2016 PROVINCE OF ONTARIO

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PROJECT TITLE/TITRE DU PROJET

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349 OLMSTEAD ST.
OTTAWA, ON

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DRAWING TITLE/TITRE DU DESSIN

SERVICES PLAN - SOUTH EAST

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