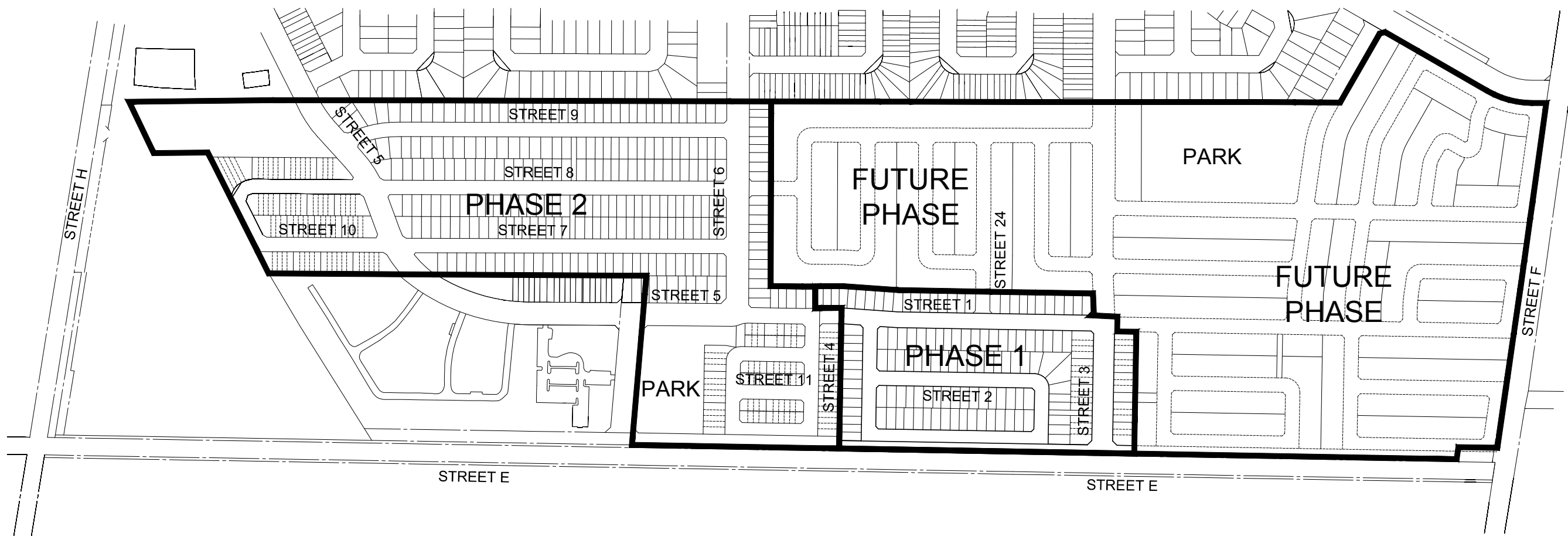


SUBDIVISION

PHASE I

LIST OF DRAWINGS

No.	TITLE	REV. No.	DATE
1.	GENERAL NOTES		
2.	STANDARD ROADWAY CROSS SECTIONS		
3.	DETAILS AND SECTIONS		
4.	GENERAL PLAN		
5.	STREET 2 (STA. 0+360.000 TO STA. 0+580.833)		
6.	GRADING PLAN (NOT INCLUDED IN THIS SET)		
7.	EROSION AND SEDIMENT CONTROL PLAN		
8.	EROSION AND SEDIMENT CONTROL PLAN		
9.	SANITARY DRAINAGE PLAN		
10.	STORM DRAINAGE PLAN		
11.	PONDING AREA AND ICD PLAN		



SCALE 1:2500



CITY OF OTTAWA

CONSULTANT

Address
Tel. (xxx) xxx-xxxx
Fax. (xxx) xxx-xxxx
www.xxxx.xx

PROJECT No. 10-100

DEVELOPER
COMPANY

ADDRESS
TEL:(XXX)XXX-XXXX

GENERAL NOTES & SPECIFICATIONS:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST AMENDMENT).
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE CITY OF OTTAWA HAS BEEN OBTAINED.
- ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS, SHALL BE INSTALLED WITH PIPE LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH, AS SPECIFIED BY OPSD, IS EXCEEDED.
- ALL PIPE / CULVERT / SECTION SIZES REFER TO INSIDE DIMENSIONS.
- 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.
- STREET LIGHTING SHALL BE TO CITY OF OTTAWA STANDARDS.
- 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.
- 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 ENGINEER FOR REVIEW.
- 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 BELOW THE FROST LINE, 1.5 TO 2.0m BELOW FINISH GRADE, AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND PIPE 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 95% OF THE MATERIAL'S SPDMO. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 100m INTERVALS IN THE SERVICE TRENCHES.
- ALL BOREHOLES SHOWN ON THE DRAWINGS ARE FOR INFORMATION ONLY. REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY SOIL ASSOCIATES, REPORT NO. XX-XXX FOR DETAIL.

STORM SEWERS:

- 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).
- 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.
- ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
- 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..
- ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
- STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24, S24.1 AND S25.
- SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
- DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
- 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.
- 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 FOR REAR LOT CATCHBASINS, AND STREET CATCHBASINS.
- CURB INLET TYPE CATCH BASIN (CIB) 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.
- SINGLE AND DOUBLE CATCHBASIN LEADS SHALL BE 200mm AND 250mm DIA (MIN.), RESPECTIVELY, AT 1.0% SLOPE (MIN.) UNLESS OTHERWISE NOTED.
- ALL CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE SUMPS WITH 300mm DEPTH, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED AT THE LOW POINT OF SAG CURB WORKS.
- 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.
- THE MINIMUM DIAMETER FOR REAR LOT PERFORATED PIPE IS 250mm, REFER TO CITY STD. S29 FOR DETAIL, UNLESS OTHERWISE NOTED.
- 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.
- R/CB LEAD DRAINAGE EASEMENTS SHOULD BE 2.4m AND CLEAR OF ANY ROOF OVERHANGS, 1st STOREY (5m) AND FOOTINGS.

SANITARY SEWERS:

- 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.
- SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD. S6 AND S7, CLASS 'B' BEDDING UNLESS OTHERWISE NOTED.
- ALL SANITARY LATERALS ARE TO BE PVC SDR 28, IPEX "RING-TITE" (OR EQUIVALENT), ANY COLOR EXCEPT WHITE 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..
- ALL SANITARY SERVICES ARE TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
- SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24 AND S25.
- SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02.
- DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
- SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021.
- SANITARY PRE-CAST MANHOLE SHALL BE CONSTRUCTED WITH A HIGHER PERCENTAGE OF SILICA FUME IN THE CONCRETE TO MAKE IT MORE DENSE AND LESS SUSCEPTIBLE TO CORROSION OR PINHOLE LEAKS.
- FOR SANITARY MANHOLES, DEPENDING ON THE ELEVATION OF THE GROUNDWATER TABLE, AND BASED ON THE RECOMMENDATION OF THE PROJECT GEOTECHNICAL CONSULTANT, GRETEX SEALS, OR A SIMILAR PRODUCT, SHALL BE INSTALLED IN THE FIRST PRE-CAST MANHOLE SECTION TO JUST BELOW THE MANHOLE FRAME TO PREVENT INFILTRATION.
- CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W42.
- CONTRACTOR TO SUPPLY HYDRANT EXTENSION TO ADJUST THE LENGTH OF HYDRANT BARREL.
- FIRE HYDRANTS SHALL BE INSTALLED AS PER CITY OF OTTAWA STD. W19, AND LOCATED AS PER CITY STD. W18.
- VALVE IN BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA STD. W24.
- 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.
- WATERMAIN IN FILL AREAS TO BE INSTALLED WITH RESTRAINED JOINTS AS PER CITY OF OTTAWA STD. W25.5 AND W25.6.
- THRUST BLOCKING OF WATERMAIN TO BE INSTALLED AS PER CITY OF OTTAWA STD. W25.3 AND W25.4.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR TESTING AND DISINFECTION OF THE WATERMAIN.
- INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAIN COVER IS LESS THAN 2.4m.
- WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 1.2m, WATER SERVICES ARE TO BE INSULATED AS PER CITY OF OTTAWA STD. W23.
- AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.25m FOR CROSSING OVER THE SEWER, AS PER CITY STD. W25.2, FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.50m AS PER CITY STD. W25. 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.
- FOR STUBS DESIGNED FOR FUTURE WATERMAIN CONNECTION, THE END OF THE PIPE SHOULD BE CAPPED TO MAKE IT WATERTIGHT AND THRUST RESTRAINT ADDED ACCORDING TO CITY STANDARD.
- ALL WATER SERVICES CROSSING SEWERS ARE TO BE INSTALLED AS PER CITY OF OTTAWA STD. W38

ROADWORK SPECIFICATIONS:

- ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 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.
- ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1.
- CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC3 AND SC1.4.
- PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010, OPSS 310.
- GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
- ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
- ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
- SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR "B" COMPACTED IN MAXIMUM 300 mm LIFTS.
- PEDESTRIAN CURB RAMP WITH BOULEVARD SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC7.
- PAVEMENT DESIGN TYPE COLLECTOR ROADS (STREET 3)
 - 40mm SUPERPAVE
 - 50mm SUPERPAVE 19.0
 - 150mm GRANULAR "A" CRUSHED STONE
 - 600mm GRANULAR "B" TYPE II
 - 840mm TOTAL THICKNESS
- LOCAL ROADS (STREET 1, STREET 2, STREET 24)
 - 40mm SUPERPAVE 12.5
 - 50mm SUPERPAVE 19.0
 - 150mm GRANULAR "A" CRUSHED STONE
 - 450mm GRANULAR "B" TYPE II
 - 690mm TOTAL THICKNESS

NOTE: CONSULTANT TO SUPPLY PAVEMENT DESIGN FOR ALL ROADWAYS IN SUBDIVISION

GRADING SPECIFICATIONS:

- A FLAT AREA HAVING A WIDTH OF 0.6m SHALL BE PROVIDED AT THE BOUNDARY LIMITS OF ADJACENT DEVELOPED PROPERTIES IN ORDER THAT THE EXISTING BOUNDARY ELEVATIONS WILL BE MAINTAINED.
- 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.
- 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.
- 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.
- A GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO IS TO INSPECT ALL SUBGRADE SURFACES FOR FOOTING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION.

RETAINING WALLS:

- PRE-CAST UNIT RETAINING WALL TYPE TO BE SPECIFIED BY PROJECT LANDSCAPE ARCHITECT AT LOCATIONS, AS SPECIFIED ON THE GRADING PLAN(S) TO BE APPROVED BY AUTHORITIES HAVING JURISDICTION.
- ALL RETAINING WALLS SHALL BE CONCRETE, CONCRETE PRODUCT WITH TIE-BACK SYSTEM OR HEAVY BLOCK SYSTEM.
- ALL TYPICAL RETAINING WALLS GREATER THAN 1.0m HEIGHT ARE TO BE DESIGNED, APPROVED AND STAMPED BY A CONSULTING ENGINEER SPECIALIZING IN STRUCTURAL ENGINEERING.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS CERTIFIED BY A STRUCTURAL ENGINEER.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A CERTIFICATE FROM A STRUCTURAL ENGINEER CERTIFYING THAT THE WALL HAS BEEN CONSTRUCTED IN CONFORMANCE WITH THE APPROVED ENGINEERING DRAWINGS AND THE CERTIFIED SHOP DRAWINGS.
- FENCES OR RAILINGS ARE REQUIRED FOR WALLS HIGHER THAN 0.6m.

GEOTECHNICAL REPORT:

- REFER TO GEOTECHNICAL INVESTIGATION REPORT NO. XX-XXX, DATED AUGUST 18, 1999, BY GEOTECHNICAL CONSULTING COMPANY. INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN INTERPOLATED FROM THE GEOTECHNICAL REPORT AND ACCURACY IS NOT GUARANTEED. CONTRACTORS ARE ADVISED TO READ THE GEOTECHNICAL REPORT 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

- MAINTENANCE HOLE
- CAP

STORM

- STREET CATCHBASIN & LEAD
- MAINTENANCE HOLE
- CURB INLET CATCHBASIN & LEAD
- CATCHBASIN / MAINTENANCE HOLE
- INTERCONNECTED CATCH BASIN & LEADS
- CAP

- SINGLE SERVICE LOCATION (ST, SAN & WM)
- DOUBLE SERVICE LOCATION (2 ST, 2 SAN & 2 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

- NOISE BARRIER

- 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

BUILDING ENVELOPE

- CROSS
- 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 POLE & GROUND WIRE

- COMMUNITY MAILBOX

- BUS STOP LOCATION c/w ASPHALT BOULEVARD

- TREE

THESE NOTES ARE PROVIDED FOR EXAMPLE ONLY. FINAL NOTES TO BE PREPARED AT THE DISCRETION OF THE DESIGN ENGINEER.

REVIEWED BY DEVELOPMENT REVIEW BRANCH

SIGNED _____
DATE _____ MONTH DAY, 2015
PLAN NUMBER _____ XXXXX

#DXX-XX-XX-XXXX

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S LIMITED, PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION

CALCULATED M-PLAN PROVIDED BY O.L.S LIMITED, PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15

NOT FOR CONSTRUCTION

BENCH MARK No. 001196530048 ELEVATION = 117.957 m
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE MUNICIPALITY BENCH MARK NO. 001196530048 HAVING A PUBLISHED ELEVATION OF 117.957 METRES.

BRASS BENCH MARK LOCATED 530M SOUTH FROM INTERSECTION OF STREET E AND STREET F EAST SIDE OF STREET F NORTH SIDE OF EXISTING PARKING. 1 FOOT UNDERGROUND.

No.	DATE	BY	DESCRIPTION
2.	01-02-15	X.X.	2nd SUBMISSION
1.	00-12-12	X.X.	1st SUBMISSION



PROJECT No. 10-100	
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GENERAL NOTES & LEGEND

DEVELOPER COMPANY	SUBDIVISION PHASE 1
CONSULTANT	Address Tel. (xxx) xxx-xxxx Fax. (xxx) xxx-xxxx www.xxx.xx
DRAWN BY: X.X.	CHECKED BY: X.X.
DESIGNED BY: X.X.	CHECKED BY: X.X.
SCALE: N.T.S.	DATE: DECEMBER 2000
DRAWING NO.	SHEET NO. 1

CITY PLAN No.

CITY FILE No.

#DXX-XX-XX-XXXX

LEGAL INFORMATION
CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000

BENCH MARK No. 001196530048 ELEVATION = 117.957 m

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STANDARD ROADWAY CROSS SECTIONS

SUBDIVISION
PHASE 1

Address
Tel. (xxx) xxx-xxxx
Fax. (xxx) xxx-xxxx
WWW.XXXX.XX

DRAWN BY: X.X.	CHECKED BY: X.X.	DRAWING NO.	SHEET NO.
DESIGNED BY: X.X.	CHECKED BY: X.X.		2
SCALE: N.T.S.	DATE: DECEMBER 2000		



- | | | |
|---|--|-----------------------|
|  | <p>STANDARD NOTES
ROAD ALLOWANCE</p> | DATE: — |
| | | REV. DATE: MARCH 2009 |
| | | DWG. No.: ROW-NOTES |

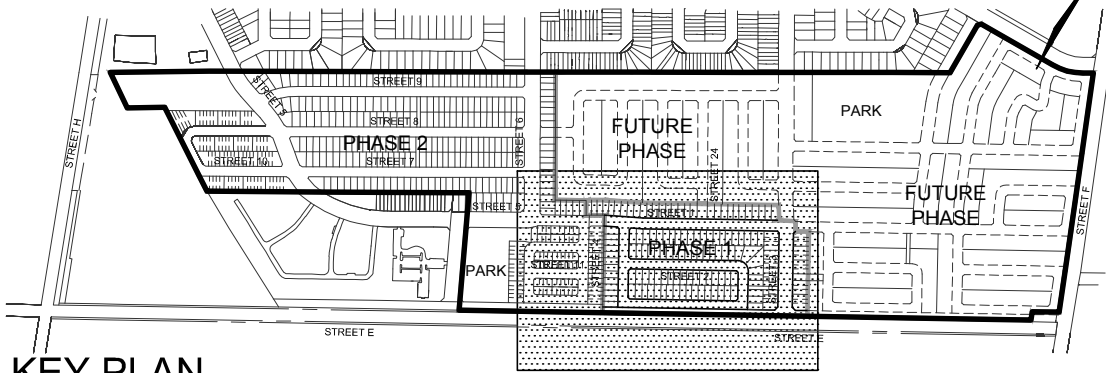
STANDARD NOTES
ROAD ALLOWANCE

DATE:	—
REV. DATE:	MARCH 2009
DWG. No.:	ROW-NOTES



DETAILS & SECTIONS			
DEVELOPER COMPANY		SUBDIVISION PHASE 1	
CONSULTANT		Address Tel. (xxx) xxx-xxxx Fax (xxx) xxx-xxxx www.xxxxx.xx	
DRAWN BY: X.X.	CHECKED BY: X.X.	DRAWING NO.	SHEET NO.
DESIGNED BY: X.X.	CHECKED BY: X.X.		3
SCALE: N.T.S.	DATE: DECEMBER 2000		

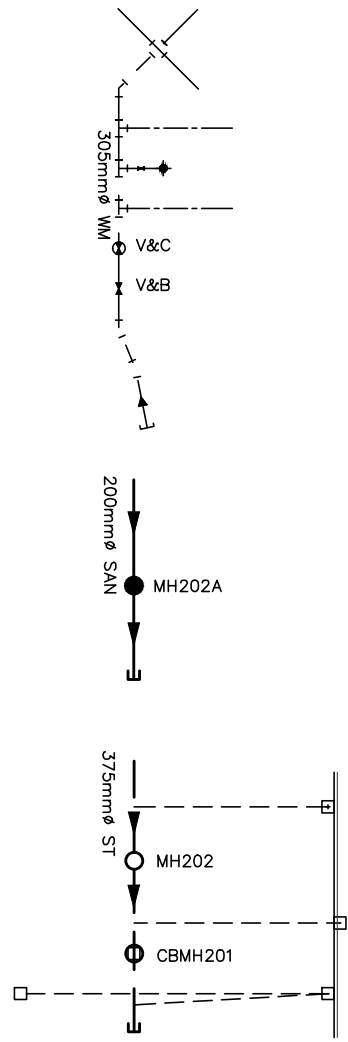
EXISTING RESIDENTIAL
(REG. PLAN NO. 4M-XXX)



KEY PLAN
SCALE 1:12500

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 15
- STREET CATCHBASIN & LEAD
STORM MAINTENANCE HOLE
- CURB INLET CATCHBASIN & LEAD
CATCHBASIN/ MAINTENANCE HOLE
INTERCONNECTED CATCH BASIN & LEADS
CAP



- SINGLE SERVICE LOCATION (ST, SAN & WM)
DOUBLE SERVICE LOCATION (2 ST, 2 SAN & 2 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
NOISE BARRIER
WOOD PRIVACY BARRIER
POST AND RAIL FENCE
PHASING LIMITS
PROPERTY BOUNDARY

REVIEWED BY DEVELOPMENT REVIEW BRANCH

SIGNED _____
DATE _____ MONTH DAY, 2015
PLAN NUMBER XXXXX

#DXX-XX-XX-XXXX

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION

CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15

NOT FOR CONSTRUCTION

BENCH MARK No. 001196530048 ELEVATION = 117.957 m
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE
MUNICIPALITY BENCH MARK No. 001196530048 HAVING A PUBLISHED ELEVATION OF 117.957 METRES.
BRASS BENCH MARK LOCATED 530M SOUTH FROM INTERSECTION OF STREET E AND STREET F EAST SIDE OF
STREET F NORTH SIDE OF EXISTING PARKING, 1 FOOT UNDERGROUND.

2. 01-02-15 X.X. 2nd SUBMISSION
1. 00-12-12 X.X. 1st SUBMISSION
No. DATE BY DESCRIPTION

Ottawa CITY OF OTTAWA

PROJECT No. 10-100

GENERAL PLAN OF SERVICES

DEVELOPER
COMPANY

SUBDIVISION
PHASE 1

CONSULTANT

DRAWN BY: X.X. CHECKED BY: X.X. DRAWING NO. SHEET NO.
DESIGNED BY: X.X. CHECKED BY: X.X.
SCALE: 1:1000 MAX DATE: DECEMBER 2000

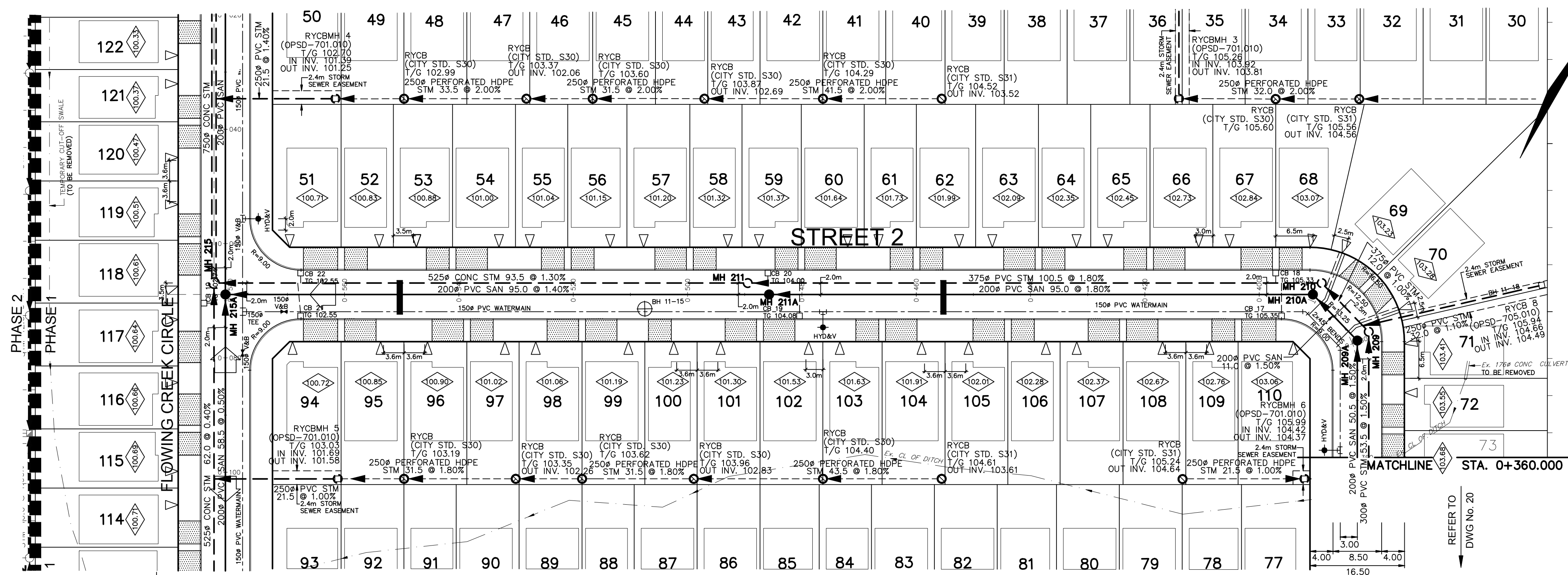
Address
Tel. (xxx) xxx-xxxx
Fax. (xxx) xxx-xxxx
www.xxxx.xx

4

INLET CONTROL DEVICE (ICD) DATA				
1. STREET CATCHBASIN	STREET NAME	CB No.	ICD TYPE	MAX. RELEASE RATE L/S
STREET 1		1	A	19.7
		2	A	19.7
		3	A	19.7
		4	A	19.7
		5	A	19.7
STREET 2		6	D	54.6
		7	A	19.7
		8	A	19.7
		9	A	19.7
		10	A	19.7
STREET 3		11	F	77.2
		12	D	54.6
		13	A	19.7
		14	A	19.7
		15	A	19.7
STREET 24		16	A	19.7
		17	A	19.7
		18	A	19.7
		19	A	19.7
		20	A	19.7
STREET 2		21	D	54.6
		22	F	77.2
		23	A	19.7
		24	A	19.7
		25	A	19.7

2. REAR LOT CATCHBASIN	STREET NAME	RLCB No.	ICD TYPE	MAX. RELEASE RATE L/S
STREET 24		1	A	19.7
		2	A	19.7
		3	A	19.7
		4	A	19.7
		5	B	28.0
STREET 2		6	A	19.7
		7	A	19.7
		8	A	19.7
		9	A	19.7
		10	A	19.7

3. ICD TYPES AS PER CITY STANDARD



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
- CATCHBASIN/ MAINTENANCE HOLE
- CURB INLET CATCHBASIN & LEAD
- INTERCONNECTED CATCH BASIN & LEADS
- CAP
- SINGLE SERVICE LOCATION (ST, SAN & WM)
- DOUBLE SERVICE LOCATION (2 ST, 2 SAN & 2 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
- NOISE BARRIER
- 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
- TOP OF FOUNDATION ELEVATION
- FINISHED FLOOR ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- NUMBER OF RISERS
- UNITS REQUIRING PRESSURE REDUCING VALVES
- WALKOUT UNITS
- SLAB ON GRADE

REVIEWED BY DEVELOPMENT REVIEW BRANCH

SIGNED _____

DATE _____ MONTH DAY, 2015

PLAN NUMBER XXXXX

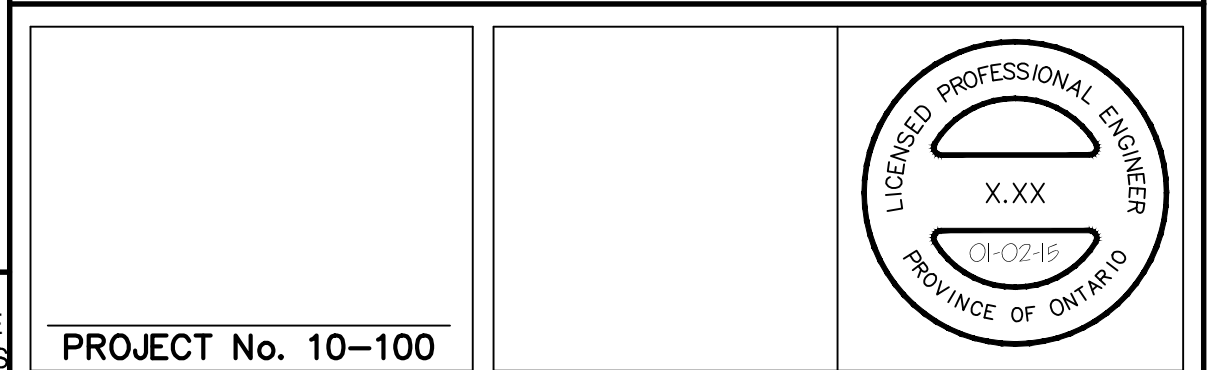
TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION
CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15
NOT FOR CONSTRUCTION

BENCH MARK No. 001196530048 ELEVATION = 117.957 m
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE MUNICIPALITY BENCH MARK No. 001196530048 HAVING A PUBLISHED ELEVATION OF 117.957 METRES.
BRASS BENCH MARK LOCATED 530m SOUTH FROM INTERSECTION OF STREET E AND STREET F EAST SIDE OF STREET F NORTH SIDE OF EXISTING PARKING, 1 FOOT UNDERGROUND.

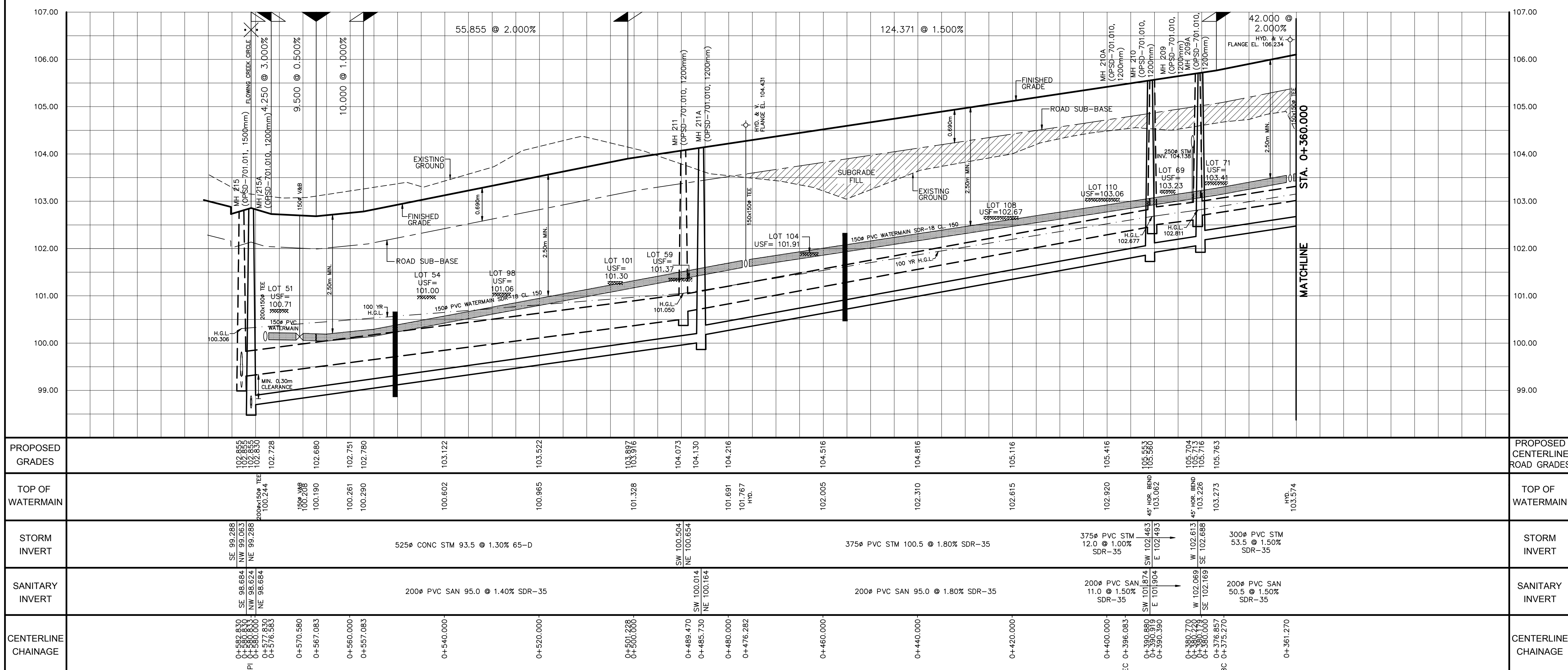
2.	01-02-15	X.X.	2nd SUBMISSION
1.	00-12-12	X.X.	1st SUBMISSION
No.	DATE	BY	DESCRIPTION



PROJECT No. 10-100

PLAN AND PROFILE OF
STREET 2
(STA. 0+360.000 TO STA. 0+580.833)

DEVELOPER COMPANY	SUBDIVISION PHASE 1		
CONSULTANT			
Address Tel. (xxx) xxx-xxxx Fax. (xxx) xxx-xxxx www.xxx.xx			
DRAWN BY: X.X.	CHECKED BY: X.X.	DRAWING NO.	SHEET NO.
DESIGNED BY: X.X.	CHECKED BY: X.X.		
SCALE: H=1:500/V=1:50	DATE: DECEMBER 2000		5

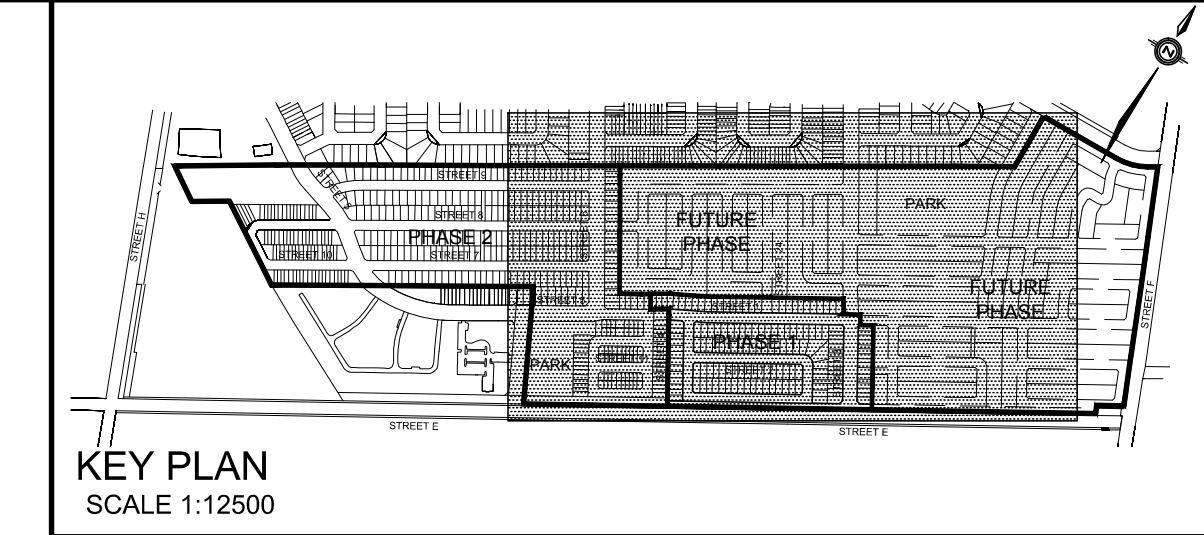
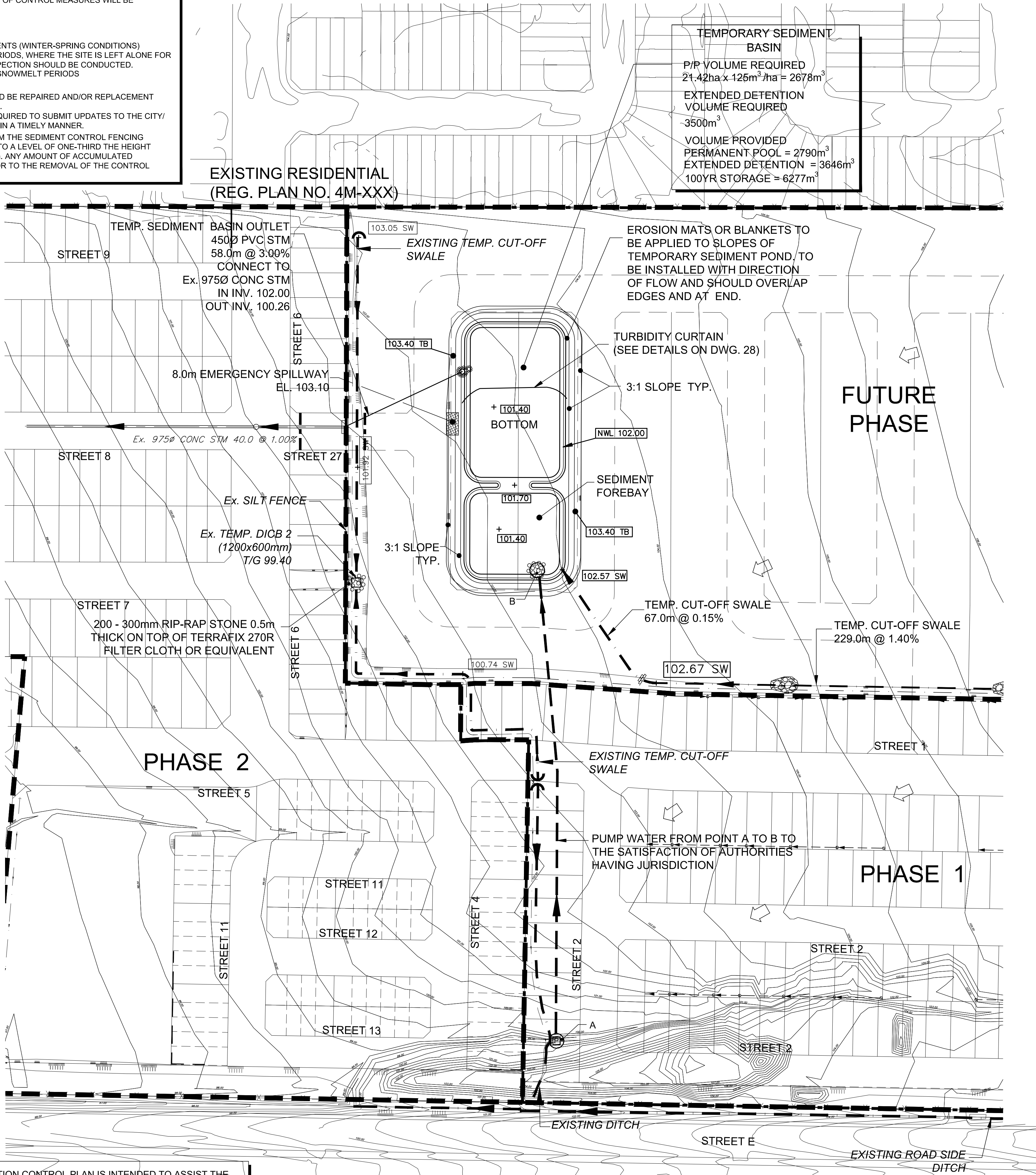


NOTE
SANITARY HCL NOT SHOWN AS IT IS INSIDE THE PIPE.

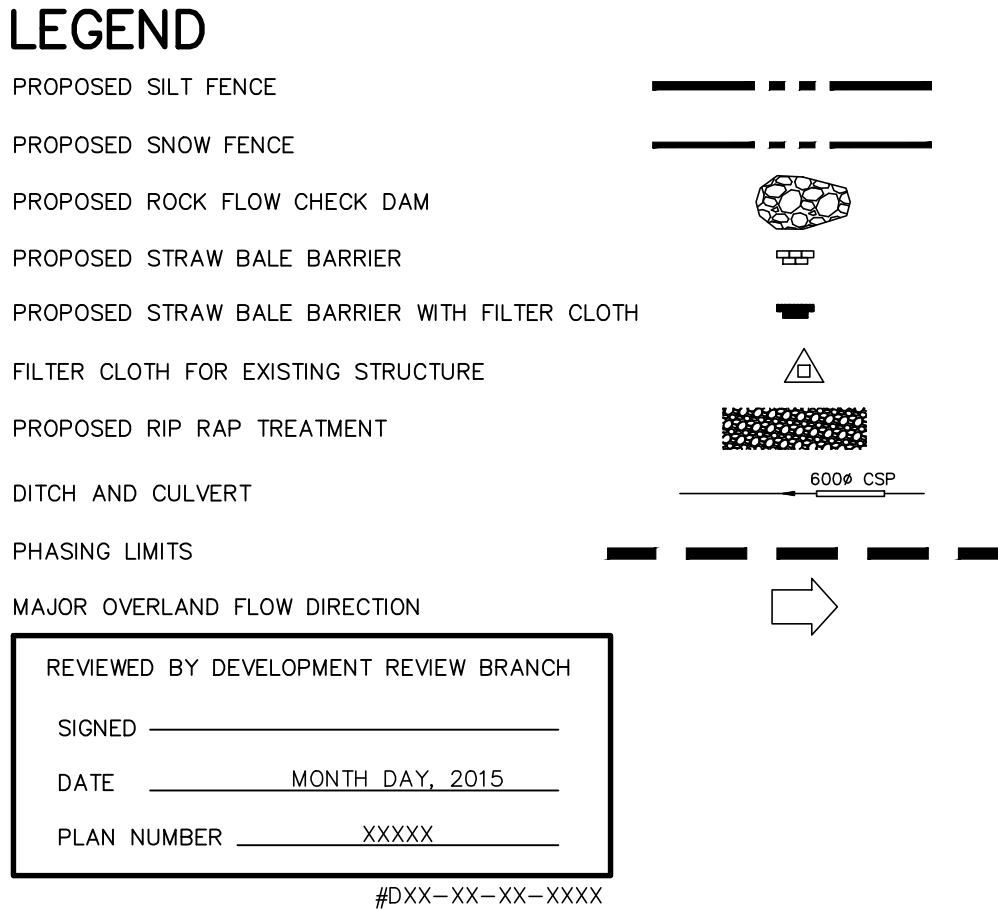
NOTE: ICD
FOR ICD APPLICATION, REFER TO ICD PLAN DWG. No. 11 FOR DETAIL.

MONITORING OF SEDIMENT AND EROSION CONTROLS
DURING CONSTRUCTION, MONITORING OF CONTROL MEASURES WILL BE COMPLETED:
1) PRIOR TO PREDICTED RAIN EVENTS
2) SUBSEQUENT TO RAIN EVENTS
3) ON A DAILY BASIS
4) AFTER SIGNIFICANT SNOWMELT EVENTS (WINTER-SPRING CONDITIONS)
DURING INACTIVE CONSTRUCTION PERIODS, WHERE THE SITE IS LEFT ALONE FOR 30 DAYS OR LONGER, A MONTHLY INSPECTION SHOULD BE CONDUCTED.
5) DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS

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 CITY/ 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.



- 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. 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.
 6. CONTRACTOR MUST USE BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION AND SEDIMENT CONTROL.



TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 16-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION
CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15
NOT FOR CONSTRUCTION

BENCH MARK No. 001196530048 ELEVATION = 117.957 m
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BRASS BENCH MARK LOCATED 530M SOUTH FROM INTERSECTION OF STREET E AND STREET F EAST SIDE OF STREET F NORTH SIDE OF EXISTING PARKING, 1 FOOT UNDERGROUND.

2.	01-02-15	X.X.	2nd SUBMISSION
1.	00-12-12	X.X.	1st SUBMISSION
No.	DATE	BY	DESCRIPTION

Ottawa CITY OF OTTAWA

PROJECT No. 10-100

LICENCED PROFESSIONAL ENGINEER
X.XX
01-02-15
PROVINCE OF ONTARIO

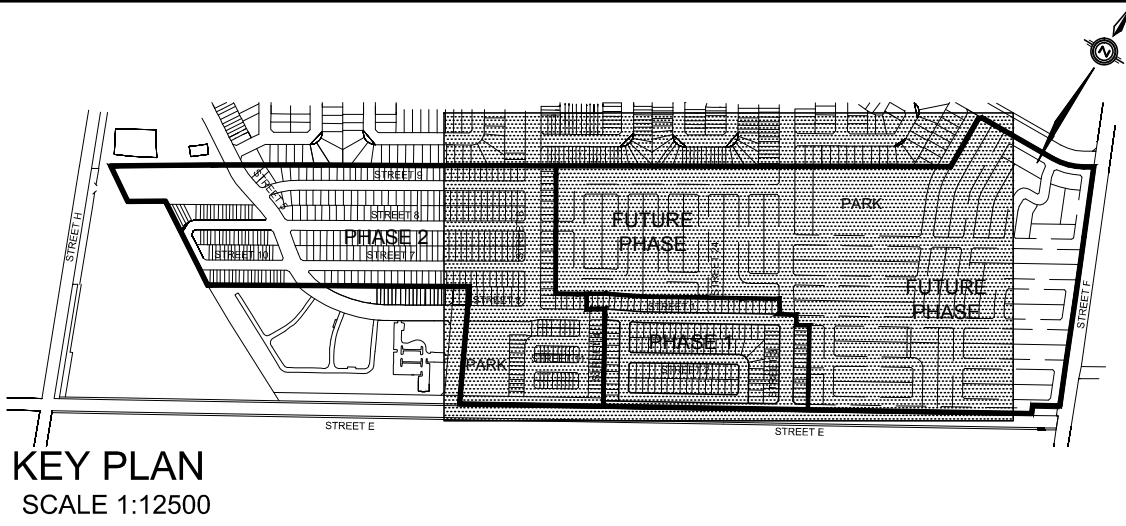
EROSION AND SEDIMENT CONTROL PLAN			
DEVELOPER COMPANY		SUBDIVISION PHASE 1	
CONSULTANT			
		Address Tel. (xxx) xxx-xxxx Fax. (xxx) xxx-xxxx www.xxxx.xx	
DRAWN BY: X.X.	CHECKED BY: X.X.	DRAWING NO.	SHEET NO.
DESIGNED BY: X.X.	CHECKED BY: X.X.		7
SCALE: 1:1000	DATE: DECEMBER 2000		

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.

MONITORING OF SEDIMENT AND EROSION CONTROLS
DURING CONSTRUCTION, MONITORING OF CONTROL MEASURES WILL BE COMPLETED:
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3) ON A DAILY BASIS
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DURING INACTIVE CONSTRUCTION PERIODS, WHERE THE SITE IS LEFT ALONE FOR 30 DAYS OR LONGER, A MONTHLY INSPECTION SHOULD BE CONDUCTED.
5) DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS

MAINTENANCE PROGRAM
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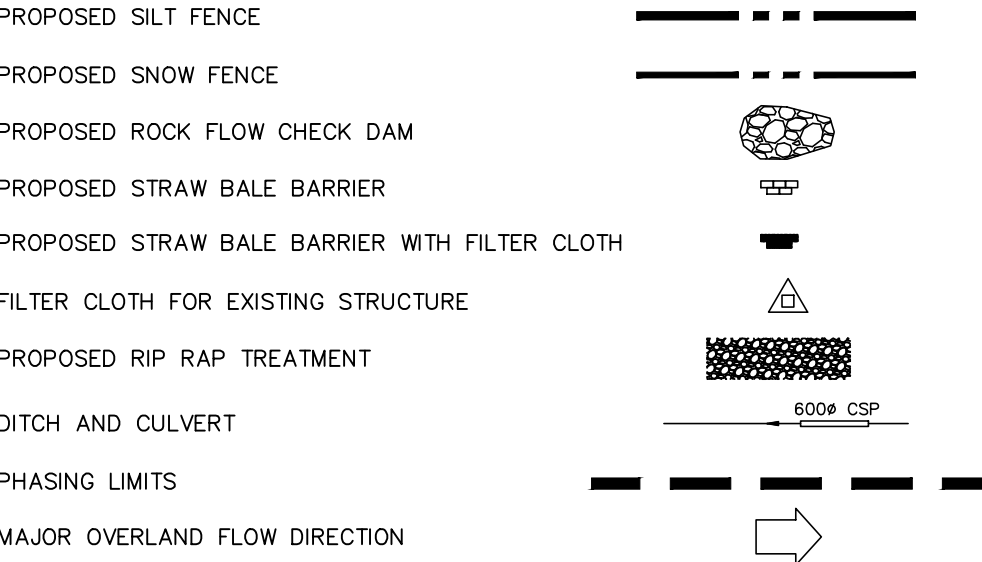
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EROSION AND SEDIMENT CONTROL NOTES:

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

LEGEND



REVIEWED BY DEVELOPMENT REVIEW BRANCH

SIGNED _____

DATE _____ MONTH DAY, 2015

PLAN NUMBER XXXXX

#DXX-XX-XX-XXXX

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION

CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15

NOT FOR CONSTRUCTION

BENCH MARK No. 001196530048 ELEVATION = 117.957 m
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BRASS BENCH MARK LOCATED 530M SOUTH FROM INTERSECTION OF STREET E AND STREET F EAST SIDE OF STREET F NORTH SIDE OF EXISTING PARKING. 1 FOOT UNDERGROUND.

2.	01-02-15	X.X.	2nd SUBMISSION
1.	00-12-12	X.X.	1st SUBMISSION
No.	DATE	BY	DESCRIPTION



PROJECT No. 10-100

LICENSED PROFESSIONAL ENGINEER
X.XX
01-02-15
PROVINCE OF ONTARIO

EROSION AND SEDIMENT CONTROL PLAN

DEVELOPER
COMPANY

SUBDIVISION
PHASE 1

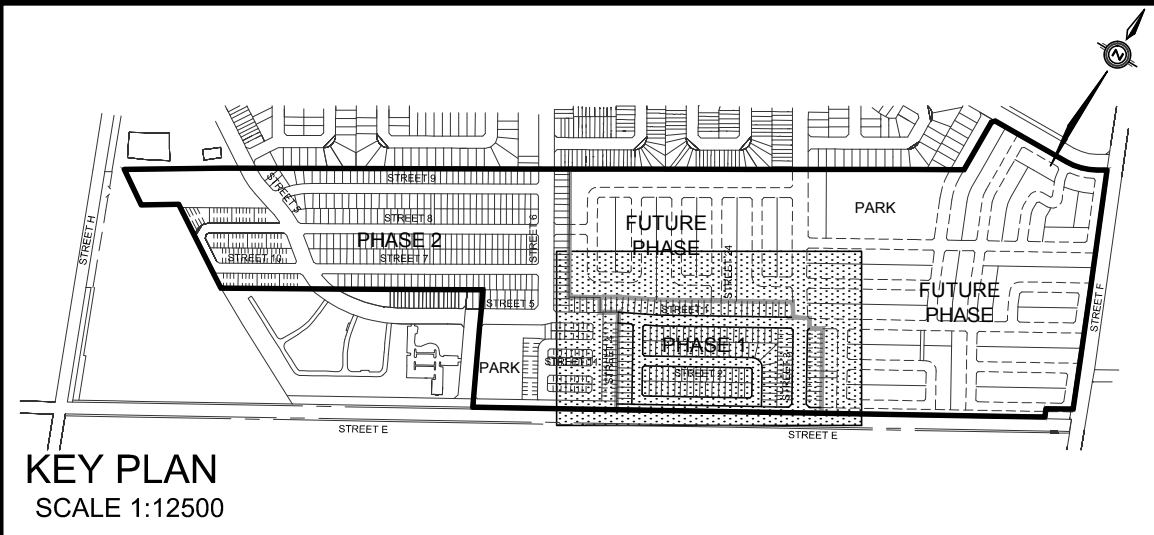
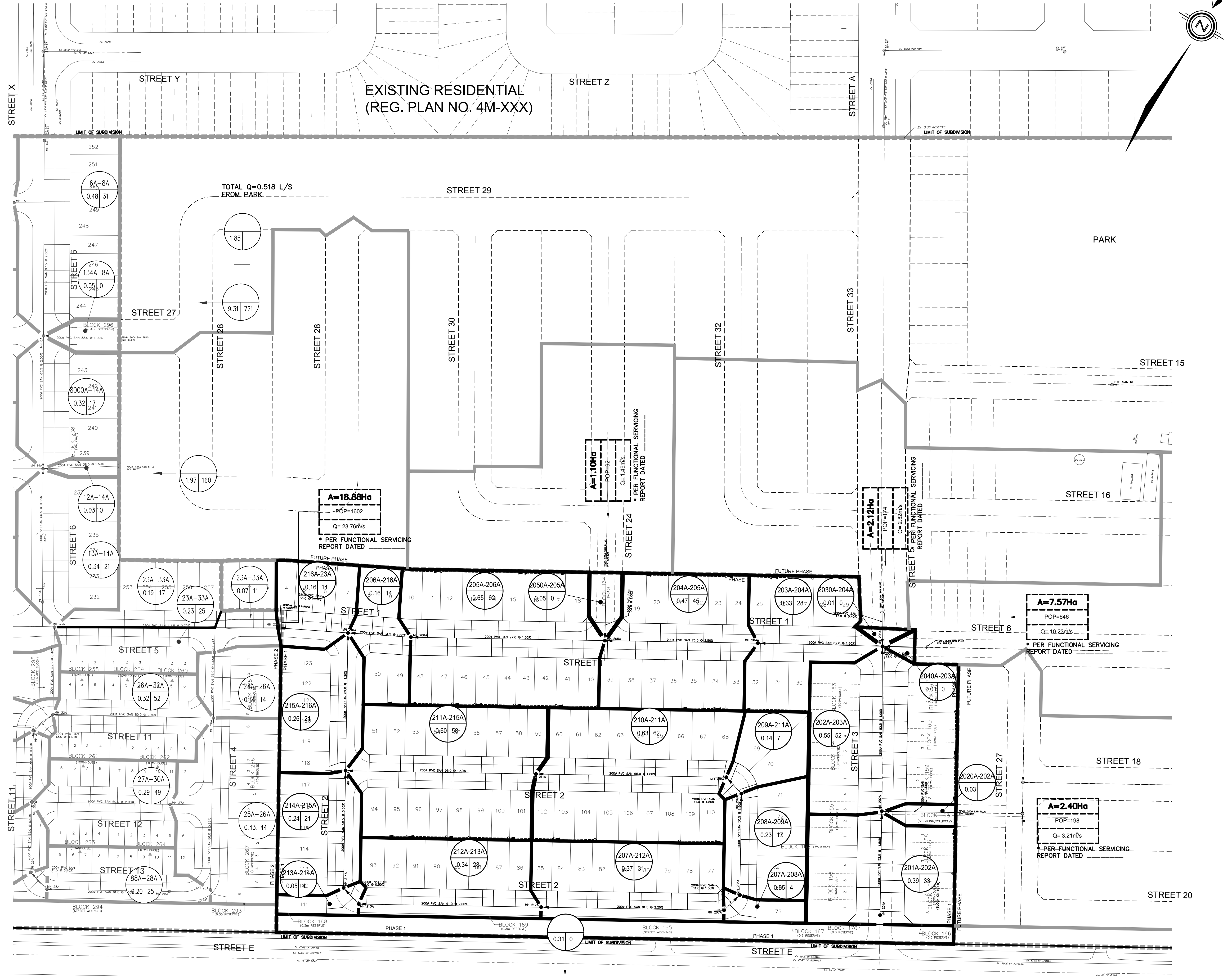
CONSULTANT

Address
Tel. (xxx) xxx-xxxx
Fax. (xxx) xxx-xxxx
www.xxx.xx

DRAWN BY: X.X.	CHECKED BY: X.X.	DRAWING NO.	SHEET NO.
DESIGNED BY: X.X.	CHECKED BY: X.X.		8
SCALE: 1:1000	DATE: DECEMBER 2000		

CITY PLAN No.

CITY FILE No.



- LEGEND**
- SANITARY DRAINAGE BOUNDARY
 - UPSTREAM MH TO DOWNSTREAM MH
 - AREA IN HECTARES
 - POPULATION
 - MAINTENANCE HOLE
 - CAP

REVIEWED BY DEVELOPMENT REVIEW BRANCH

SIGNED _____

DATE _____ MONTH DAY, 2015

PLAN NUMBER XXXXX

#DXX-XX-XX-XXXX

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION
CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15
NOT FOR CONSTRUCTION

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2.	01-02-15	X.X.	2nd SUBMISSION
1.	00-12-12	X.X.	1st SUBMISSION
No.	DATE	BY	DESCRIPTION



PROJECT No. 10-100

SANITARY DRAINAGE PLAN

DEVELOPER
COMPANY

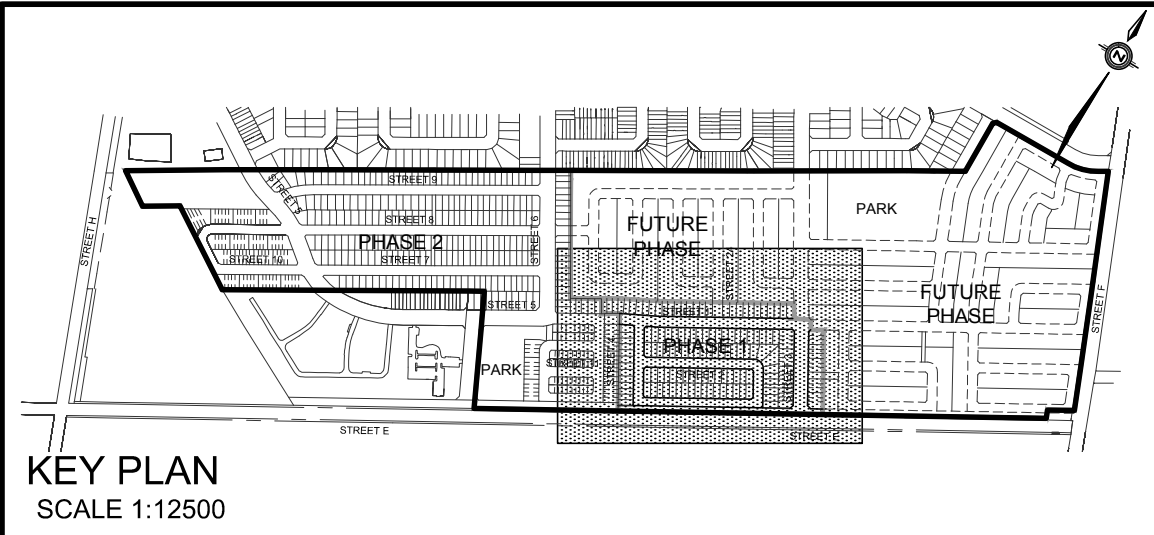
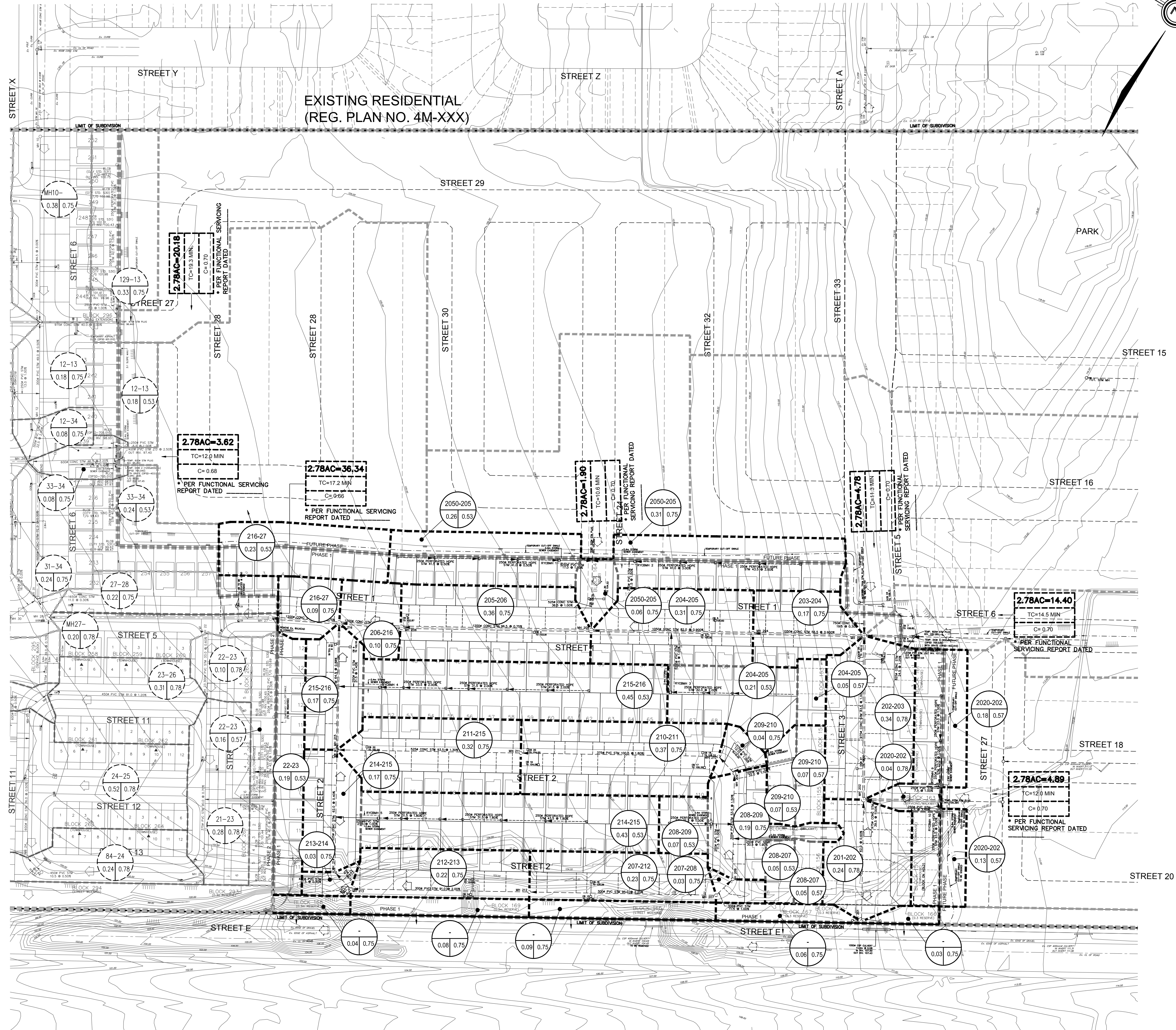
SUBDIVISION
PHASE 1

CONSULTANT

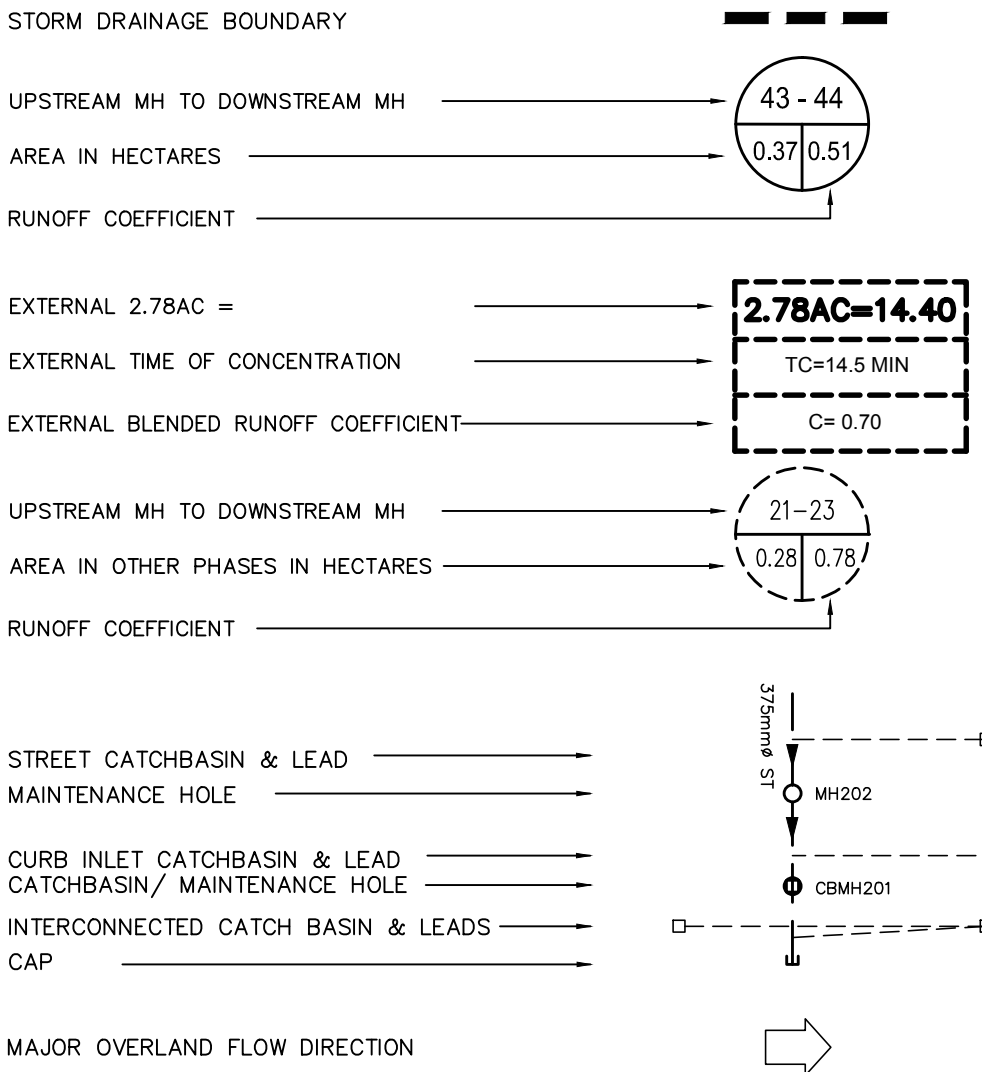
Address
Tel. (xxx) xxx-xxxx
Fax. (xxx) xxx-xxxx
www.xxx.xx

DRAWN BY: X.X.	CHECKED BY: X.X.	DRAWING NO.	SHEET NO.
DESIGNED BY: X.X.	CHECKED BY: X.X.		9
SCALE: N.T.S.	DATE: DECEMBER 2000		

CITY PLAN No. _____
CITY FILE No. _____



LEGEND



REVIEWED BY DEVELOPMENT REVIEW BRANCH
SIGNED _____
DATE _____ MONTH DAY, 2015
PLAN NUMBER XXXXX
#DXX-XX-XX-XXXX

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.
LEGAL INFORMATION
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PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15
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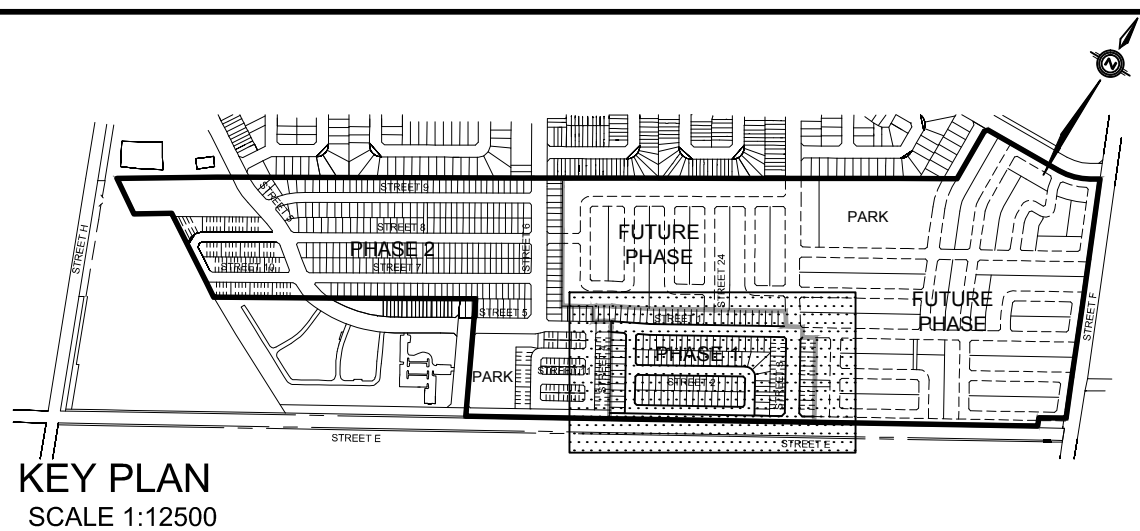
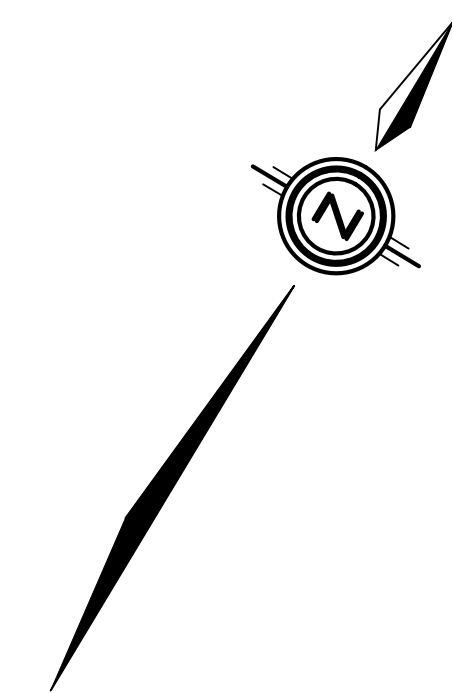
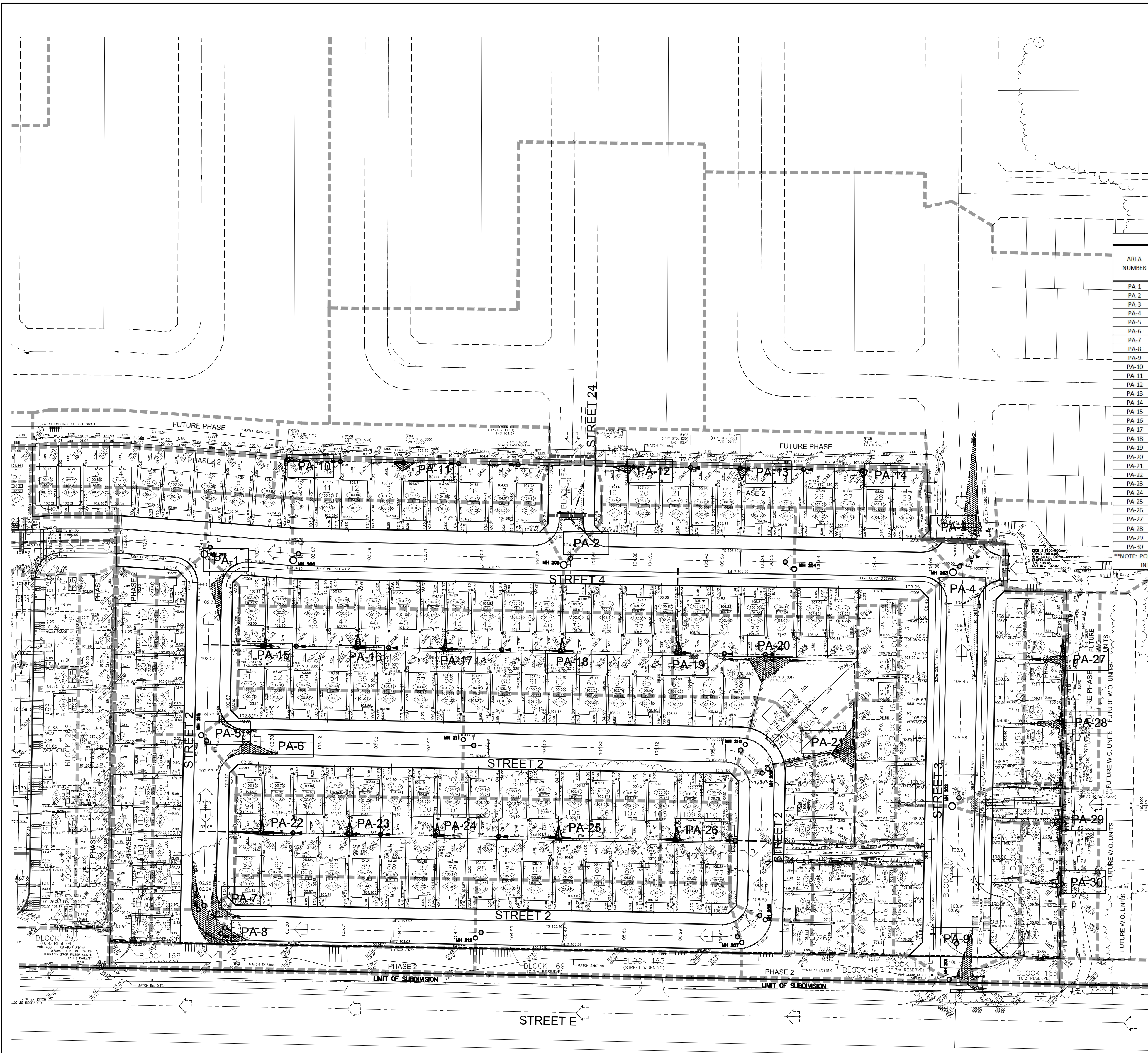
2.	01-02-15	X.X.	2nd SUBMISSION
1.	00-12-12	X.X.	1st SUBMISSION
No.	DATE	BY	DESCRIPTION



PROJECT No. 10-100

STORM DRAINAGE PLAN	
DEVELOPER COMPANY	SUBDIVISION PHASE 1
CONSULTANT	
Address Tel. (xxx) xxx-xxxx Fax. (xxx) xxx-xxxx www.xxx.xx	
DRAWN BY: X.X.	CHECKED BY: X.X.
DESIGNED BY: X.X.	DATE: DECEMBER 2000
SHEET NO. 10	

CITY PLAN No. _____
CITY FILE No. _____



PONDING AREA TABLE					
AREA NUMBER	MAXIMUM STATIC PONDING DEPTH (m)	MAXIMUM STATIC PONDING ELEVATION (m)	MAXIMUM STATIC PONDING VOLUME (m³)	MAXIMUM STATIC PONDING AREA (m²)	MAX 100 YEAR PONDING DEPTH (MEASURED ABOVE CB 7/G)
PA-1	0.130	102.30	1	33.1	-
PA-2	0.130	104.35	1	35.7	-
PA-3	0.170	108.29	5	107.1	-
PA-4	0.170	108.29	5	95.1	-
PA-5	0.040	102.59	1	16.1	-
PA-6	0.130	102.68	1	35.2	-
PA-7	0.130	102.86	1	37.8	-
PA-8	0.210	102.86	9	145.3	-
PA-9	0.200	108.69	4	63.2	-
PA-10	0.160	103.07	-	-	-
PA-11	0.070	103.67	-	-	-
PA-12	0.080	104.85	-	-	-
PA-13	0.080	105.87	-	-	-
PA-14	0.100	107.30	-	-	-
PA-15	0.090	102.79	-	-	-
PA-16	0.090	103.47	-	-	-
PA-17	0.090	103.97	-	-	-
PA-18	0.100	104.62	-	-	-
PA-19	0.090	105.36	-	-	-
PA-20	0.160	105.73	-	-	-
PA-21	0.170	106.11	-	-	-
PA-22	0.300	103.14	-	-	-
PA-23	0.100	103.45	-	-	-
PA-24	0.090	104.05	-	-	-
PA-25	0.100	104.71	-	-	-
PA-26	0.110	105.35	-	-	-
PA-27	0.240	108.81	-	-	-
PA-28	0.290	108.87	-	-	-
PA-29	0.300	109.30	-	-	-
PA-30	0.210	108.97	-	-	-

*NOTE: PONDING VOLUMES FOR THE REAR YARDS ARE NOT TAKEN INTO ACCOUNT FOR STORAGE CAPACITY

LEGEND

TOP OF FOUNDATION ELEVATION
FINISHED FLOOR ELEVATION
UNDERSIDE OF FOOTING ELEVATION
NUMBER OF RISERS
UNITS REQUIRING PRESSURE REDUCING VALVES
WALKOUT UNITS
SLAB ON GRADE

PONDING AREA
PONDING AREA ID
PHASING LIMITS
PROPOSED ELEVATION
EXISTING ELEVATION
TOP OF GRATE ELEVATION
MAJOR OVERLAND FLOW DIRECTION

REVIEWED BY DEVELOPMENT REVIEW BRANCH

SIGNED _____

DATE _____ MONTH DAY, 2015

PLAN NUMBER XXXXX

#DXX-XX-XXXX

INLET CONTROL DEVICE (ICD) DATA			
1. STREET CATCHBASIN			
STREET NAME	CB No.	ICD TYPE	MAX. RELEASE RATE L/S
STREET 1	1	A	19.7
	2	A	19.7
	3	A	19.7
	4	A	19.7
	5	A	19.7
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STREET 24	19	A	19.7
	20	A	19.7
	25	D	54.6
	26	F	77.2
	27	A	19.7

2. REAR LOT CATCHBASIN			
STREET NAME	RLCB No.	ICD TYPE	MAX. RELEASE RATE L/S
STREET 24	1	A	19.7
	2	A	19.7
	3	A	19.7
	4	A	19.7
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STREET 2	6	A	19.7
	7	A	19.7
	8	A	19.7
	9	A	19.7
	10	A	19.7

3. ICD TYPES AS PER CITY STANDARD

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-00, SURVEY DATED OCTOBER 4, 2000.

LEGAL INFORMATION
CALCULATED M-PLAN PROVIDED BY O.L.S. LIMITED,
PROJECT No. 10-10-100-1-PHASE 1, SURVEY DATED JULY 18, 2000.

2nd SUBMISSION 01-02-15

NOT FOR CONSTRUCTION

BENCH MARK No. 001196530048 ELEVATION = 117.957 m
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE MUNICIPALITY BENCH MARK No. 001196530048 HAVING A PUBLISHED ELEVATION OF 117.957 METRES.
BRASS BENCH MARK LOCATED 530M SOUTH FROM INTERSECTION OF STREET E AND STREET F EAST SIDE OF STREET F NORTH SIDE OF EXISTING PARKING, 1 FOOT UNDERGROUND.

Ottawa CITY OF OTTAWA

PROJECT No. 10-100

2. 01-02-15 X.X. 2nd SUBMISSION
1. 00-12-12 X.X. 1st SUBMISSION
No. DATE BY DESCRIPTION

PROFESSIONAL ENGINEER
X.XX
01-02-15
PROVINCE OF ONTARIO

PONDING AREA AND ICD PLAN

DEVELOPER COMPANY SUBDIVISION PHASE 1

CONSULTANT
Address
Tel. (xxx) xxx-xxxx
Fax. (xxx) xxx-xxxx
www.xxx.xx

DRAWN BY: X.X. CHECKED BY: X.X. DRAWING NO. SHEET NO.
DESIGNED BY: X.X. CHECKED BY: X.X.
SCALE: 1:750 MAX DATE: DECEMBER 2000 11

CITY PLAN No. CITY FILE No.