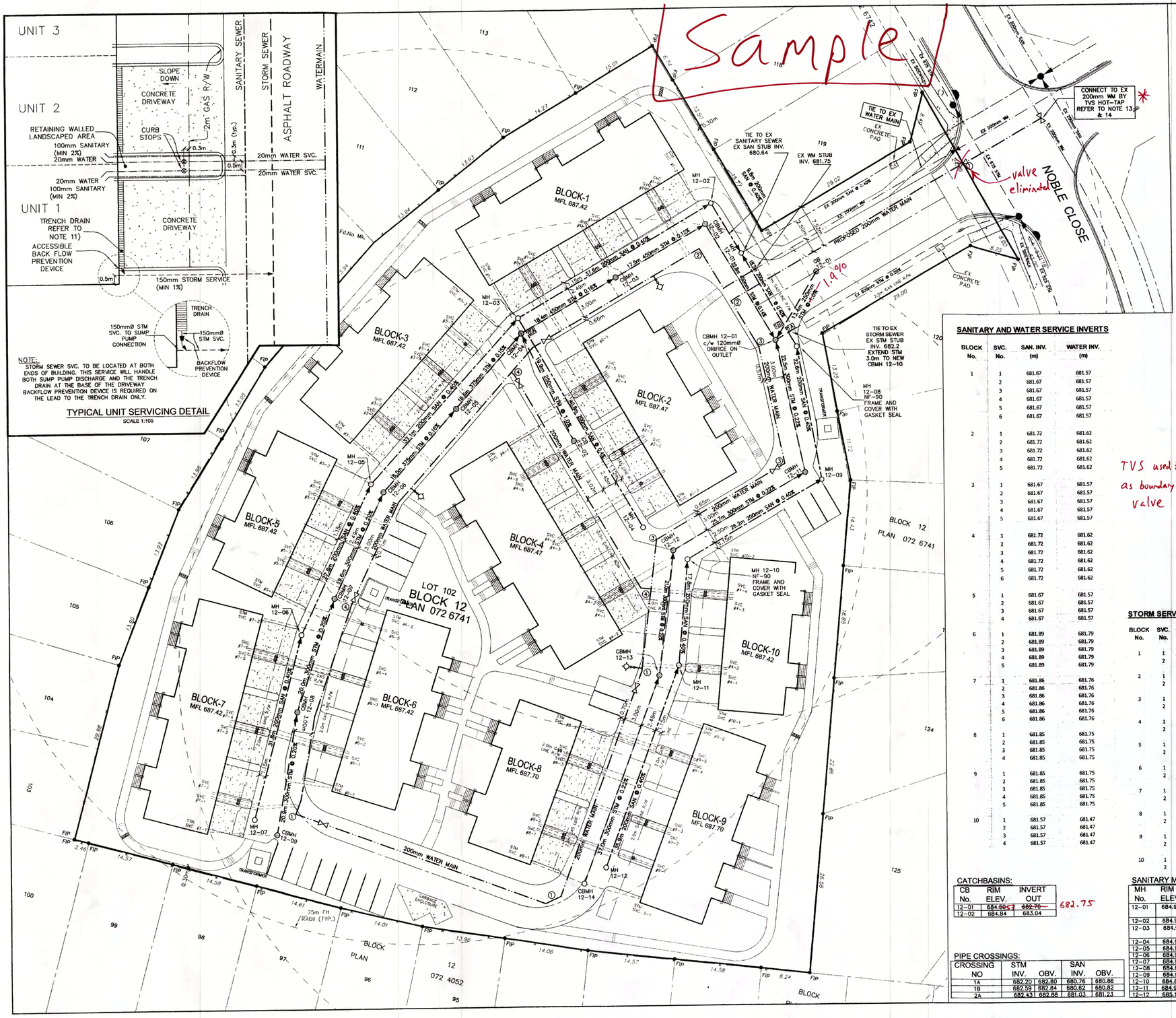
Sample





LEGEND:

EX STORM SEWER
PROPOSED STORM SEWER
EX SANITARY SEWER
PROPOSED SANITARY SEWER
EX WATER LINE
PROPOSED WATER LINE
EX. CATCH BASIN
PROPOSED CATCH BASIN
EX WATER VALVE
PROPOSED WATER VALVE
EX FIRE HYDRANT
PROPOSED FIRE HYDRANT
EX MANHOLE
PROPOSED MANHOLE
SMH = STORM MANHOLE CBMH = CATCHBASIN MANHOLE MH = SANITARY MANHOLE
PIPE CROSSING LOCATION REFERENCE No.
WATER MAIN INVERT ELEVATION REFERENCE No.

NOTES:

1. DIMENSIONS ARE IN METRES AND DECIMALS THEREOF.
2. CONTOUR INTERVAL = 0.20m.
3. SURVEY PERFORMED BETWEEN JULY 14 AND AUGUST 12, 2011 BY PALS GEOMATIC CORP.
4. ELEVATIONS ARE GEODETIC AND ARE REFERRED TO ASCM 467704 ELEV. = 686.014m
5. REFER TO ARCHITECTURAL SITE PLAN FOR SITE LAYOUT DETAILS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION & PROTECTION OF EXISTING UTILITIES
7. REFER TO GEO-TECHNICAL REPORT FOR GRADING & PAVEMENT REQUIREMENTS.
8. SANITARY AND STORM SERVICES TO BUILDINGS TO HAVE MINIMUM SLOPE OF 2%.
9. ACCESSIBLE BACK FLOW PREVENTION DEVICES SHALL BE INSTALLED ON ALL STORM SERVICES TO THE BUILDINGS.
10. ALL CONSTRUCTION TO BE COMPLETED TO CURRENT CITY OF ST. ALBERT DESIGN AND CONSTRUCTION STANDARDS
11. TRENCH DRAINS AT BASE OF DRIVEWAYS TO BE TIED TO STORM SERVICES c/w A BACK FLOW PREVENTION DEVICE AT BOTH ENDS. BACK FLOW PREVENTION DEVICE TO BE INSTALLED ON THE STORM SERVICE LEAD TO THE TRENCH DRAIN ONLY. AND IS TO BE ACCESSIBLE TO ALLOW FOR EASE OF MAINTENANCE.
12. WATER MAIN TO BE INSTALLED WITH MINIMUM OF 2.7m COVER.
13. VALVE TO BE DENSO WRAPPED AND CATHODICALLY PROTECTED ~~PRIOR TO BEING BURIED. VALVE TO BE LEFT IN THE OPEN POSITION. A ROD AND BOX DOES NOT NEED TO BE PROVIDED.~~ ON THE AS-BUILT RECORD DRAWING PROVIDE TIE-IN LOCATION TO TWO FIXED POINTS WITH DIMENSIONS.
14. NOBLE CLOSE ROAD CUT AFTER INSTALLATION OF SECOND WATER SERVICE SHALL RESTORED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OF ST. ALBERT ENGINEER.
15. ALL BOUNDARY VALVES ARE TO BE OPERATED BY CITY OF ST. ALBERT PUBLIC WORKS STAFF. CALL 780-459-1577 A MINIMUM OF 72 HOURS IN ADVANCE

TVS used as boundary valve

SERVICING MATERIAL:
STORM SEWER – PVC DR 35
SANITARY SEWER – PVC DR 35
WATERMAINS – PVC C900

SANITARY AND WATER SERVICE INVERTS

BLOCK No.	SVC. No.	SAN. INV. (m)	WATER INV. (m)
1	1	681.67	681.57
	2	681.67	681.57
	3	681.67	681.57
	4	681.67	681.57
	5	681.67	681.57
	6	681.67	681.57
2	1	681.72	681.62
	2	681.72	681.62
	3	681.72	681.62
	4	681.72	681.62
	5	681.72	681.62
3	1	681.67	681.57
	2	681.67	681.57
	3	681.67	681.57
	4	681.67	681.57
	5	681.67	681.57
4	1	681.72	681.62
	2	681.72	681.62
	3	681.72	681.62
	4	681.72	681.62
	5	681.72	681.62
	6	681.72	681.62
5	1	681.67	681.57
	2	681.67	681.57
	3	681.67	681.57
	4	681.67	681.57
6	1	681.89	681.79
	2	681.89	681.79
	3	681.89	681.79
	4	681.89	681.79
	5	681.89	681.79
7	1	681.86	681.76
	2	681.86	681.76
	3	681.86	681.76
	4	681.86	681.76
	5	681.86	681.76
	6	681.86	681.76
8	1	681.85	681.75
	2	681.85	681.75
	3	681.85	681.75
	4	681.85	681.75
9	1	681.85	681.75
	2	681.85	681.75
	3	681.85	681.75
	4	681.85	681.75
	5	681.85	681.75
10	1	681.57	681.47
	2	681.57	681.47
	3	681.57	681.47
	4	681.57	681.47

STORM SERVICE INVERTS

BLOCK No.	SVC. No.	STM. INV. (m)
1	1	682.85
	2	682.92
2	1	682.67
	2	682.76
3	1	682.99
	2	682.91
4	1	683.03
	2	682.88
5	1	683.03
	2	682.91
6	1	683.03
	2	683.06
7	1	683.10
	2	683.10
8	1	683.07
	2	683.02
9	1	683.07
	2	683.00
10	1	683.02
	2	682.75

STORM MANHOLES:

SMH No.	RIM ELEV.	INVERT IN	INVERT OUT
CBMH 12-01	~~684.54~~ 684.57	682.27(NW) 682.27(SE) ~~682.56~~ 682.50 (OB LEAD)	682.21(E)
CBMH 12-02	684.81	682.36	682.30
CBMH 12-03	684.79	682.41	682.38
CBMH 12-04	684.79	682.49(S) 682.66(SE) (OB LEAD)	682.44
CBMH 12-05	684.79	682.55	682.52
CBMH 12-06	684.79	682.64	682.58
CBMH 12-07	684.79	682.74	682.68
CBMH 12-08	684.79	682.84	682.78
CBMH 12-09	684.78		682.88
CBMH 12-11	684.54	682.38	682.32
CBMH 12-12	684.75	682.50	682.44
CBMH 12-13	684.79	682.61	682.55
CBMH 12-14	685.16		682.69

CATCHBASINS:

CB No.	RIM ELEV.	INVERT OUT
12-01	~~684.50~~ 684.57	~~682.70~~ 682.75
12-02	684.84	683.04

SANITARY MANHOLES:

MH No.	RIM ELEV.	INVERT IN	INVERT OUT
12-01	684.96	680.71(NW) 680.71(SE)	680.65(NE)
12-02	684.90	680.81	680.75
12-03	684.93	681.02(S) 681.02(SE)	680.96(NE)
12-04	684.94		681.18
12-05	684.90	681.22	681.16
12-06	684.93	681.39	681.33
12-07	684.93		681.52
12-08	684.64	680.84	680.78
12-09	684.95	680.99	680.93
12-10	684.86	681.15	681.09
12-11	684.91	681.28	681.22
12-12	685.18		681.42

WATERMAIN INVERT ELEV:

LOCATION	INVERT ELEV.
①	681.40
②	681.80
③	681.60
④	681.10

PIPE CROSSINGS:

CROSSING NO	STM INV.	STM OBV.	SAN INV.	SAN OBV.
1A	682.20	682.80	680.76	680.86
1B	682.59	682.84	680.62	680.82
2A	682.43	682.88	681.03	681.23

Kumar Architecture Ltd.
Architectural design services
4130 Tompkins way NW,
Edmonton, Alberta T6R 3B4
P: 780-425-2752
F: 780-758-2752
C: 780-937-7255
www.kumararchitecture.com
kumar@kumararchitecture.com

As-built Drawing July 4, 2013

Rev.	yy-mm-dd	Revision /Drawing Issue	Drawn by
3	13-02-08	RE-ISSUED FOR APPROVAL	AHB
2	12-12-20	RE-ISSUED FOR APPROVAL	AHB
1	12-09-28	ISSUED FOR APPROVAL	AHB

CONSULTANT
V3 Companies of Canada Ltd.
#200 – 9945 50th STREET
Edmonton, Alberta T6A 0L4
780-482-3700 phone
780-423-3416 fax
www.v3co.ca
Visto, Vertere, Virtute...
"The Vision to Transform with Excellence"

PERMIT STAMP

PERMIT TO PRACTICE
V3 COMPANIES OF CANADA LTD.
PERMIT NUMBER P10899
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

SEAL

PROFESSIONAL ENGINEER ALBERTA MARK V. MERRIMAN 13 ENGINEER

CITY OF ST. ALBERT
ENGINEERING SERVICES
EXAMINED
Per Greg Persson
Date Feb 19, 2013
Signature

PROJECT
NOBLE GREENS TOWNHOUSES
LOT 102, BLOCK 12, PLAN 072 6741
ST. ALBERT, ALBERTA

DRAWING TITLE
SERVICING PLAN

Project number	Date
C11-028	15 DEC 2011
Scale	1:300
Drawn by AHB	Checked by MVM
C-101	REVISION 3

DRAWING NAME: C11-028 GRADING AND SERVICING LAYOUT SERVICING

DATE PLOTTED: Feb 08, 2013 – 9:34 am