4639 BANK STREET GLENVIEW HOMES



IBI GROUP 400 – 333 Preston Street Ottawa ON K1S 5N4 Canada tel 613 225 1311 fax 613 225 9868 ibigroup.com





CONTRACT NO. 125600

Sheet List Table				
Sheet Number	Sheet Title			
	COVER			
C-001	GENERAL PLAN OF SERVICES			
C-010	DETAILS AND NOTES			
C-200	GRADING PLAN			
C-400	SANITARY DRAINAGE AREA PLAN			
C-500	STORM DRAINAGEAREA PLAN			
C-900	EROSION AND SEDIMENTATION CONTROL PLAN			



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 J.D. BARNES LTD.

1.8 REFER TO SITE PLAN BY M. DAVID BLAKELY ARCHITECTS INC.

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 WITHIN 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 ONSITE 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 ROTARY WAY.

1.14 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION BY GOLDER ASSOCIATES LTD. 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 SOD 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 VALES, PER CITY STANDARDS S14, S14.1 AND S14.2 RE TO BE INSTALLED FOR ALL STORM AND SANITARY SERVICE 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 OSPD 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, RUNGS, FRAME AND COVER, DROP 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.

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, RUNGS, 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 CB'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 CB'S.

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 ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR ENGINEERS REVIEW PRIOR TO ORDERING ICD'S.

<u>4.0 WATER</u> 4.1 ALL WATERMAINS 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 WATERMAINS AND

DISINFECT AND CHLORINATE ALL WATERMAINS 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 GEOETCHNICAL 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.

LEGEND:				<u>J.D. BARNE</u>	ES LTD. TOPOGRAPHIC LEGEN
О ^{МНЗА}	SANITARY MANHOLE	H/B/T/G	EXISTING UTILITIES	CP CONC	DENOTES CONCRETE PAD DENOTES CONCRETE
O ^{MH3}	STORM MANHOLE		EXISTING DUCT BANK	FDN	DENOTES FOUNDATION DENOTES CHAIN LINK FENCE
CB	CATCHBASIN c/w TOP OF GRATE	1.3%	SLOPE C/W FLOW DIRECTION	C/L	DENOTES CENTERLINE
RYCB	REAR YARD CATCHBASIN	$\langle \square$	MAJOR OVERLAND FLOW ROUTE	INV	DENOTES INVERT
T/G 99.76	c/w GUTTER GRADE	×104.62	PROPOSED SPOT GRADE	(CC) (q)	DENOTES CURB CUT DENOTES GUTTER
O ECB T/G 100.25	REAR YARD "END" CATCHBASIN C/W TOP OF GRATE 300Ø)	×104.40 (S)	PROPOSED SWALE GRADE	BRHLE	DENOTES BOREHOLE
СВМН	CATCHBASIN MANHOLE	×104.50 (S)НР	PROPOSED SWALE HIGH POINT	HP LS	DENOTES HYDRO POLE DENOTES LIGHT STANDARD
T/G 101.55	c/w TOP OF GRATE	104.60 103.59 ×	LOT CORNER GRADE C/W EXISTING GROUND	TR_L	DENOTES TRAFFIC LIGHTS
⊗ ^{VB}	VALVE AND VALVE BOX	86.45 EX ×	TIE INTO EXISTING GRADE	ANC FH	DENOTES ANCHOR DENOTES FIRE HYDRANT
⊗ ^{V&C}	VALVE AND CHAMBER	96.79	FULL STATIC PONDING GRADE	WV	DENOTES WATER VALVE
HYD B/F 100.56	HYDRANT c/w BOTTOM OF FLANGE ELEVATION		RETAINING WALL		DENOTES TELEPHONE JUNCTION BOX
	DEPRESSED BARRIER CURB AS PER SC1 1	105.30 T/W [×]	TOP OF RETAINING WALL	HWELL	DENOTES HANDWELL
D.C.	BADDIED CLIDE AS DED SC1 1	103.50 B/W×	PROPOSED BOTTOM OF RETAINING WALL	СВ	DENOTES CATCH BASIN
			TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE	O MH_WAT	DENOTES WATER MANHOLE
	MOUNTABLE CURB AS PER SC1.3			MH_SAN	DENOTES STORM MANHOLE
	PROPOSED CONCRETE SIDEWALK		PRELIMINARY ROOF DRAIN LOCATION	MH_TRAF	DENOTES TRAFFIC MANHOLE
	SANITARY SEWER & FLOW DIRECTION	TP 13-301	TEST PITS (SEE GEOTECHNICAL REPORT)	OC E	DENOTES OVERHEAD UTILITY CABLE
	STORM SEWER & FLOW DIRECTION		CLAY DYKES PER S8		DENOTES UNDERGROUND SANITARY SEWER
	250mmØ SUBDRAIN			STM W	DENOTES UNDERGROUND STORM SEWER
VM	WATERMAIN	A	WATERMAIN IDENTIFICATION		DENOTES SPOT ELEVATION
RED 150Ø WM	WATERMAIN REDUCER	(1)	PIPE CROSSING IDENTIFICATION		DENOTES DECIDUOUS TREE
2 VBENDS	VERTICAL BEND LOCATION	-	INLET CONTROL DEVICE LOCATION		DENOTES CONIFEROUS TREE
>	SIAMESE CONNECTION (IF REQUIRED)	۲	PROTECTIVE BOLLARD		
M	METER		NOISE FENCE AND GATE LOCATION		CONTOUR INTERVALS ARE SHOWN AS 1.00m FOR MAJOR AND 0.25m FOR MINOR
RM	REMOTE METER				DENOTES MAJOR CONTOUR DENOTES MINOR CONTOUR
PRV	PRESSURE REDUCING VALVE		HEAVY DUTY ASPHALT / FIRE ROUTE	N=NORTH	S=SOUTH E=EAST W=WEST

	STM STRUCTURE TABLE						
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION	
MH1	104.96	S102.100		NE101.864		1200Ø OPSD 701.010	
MH2	104.98	SW101.732 S102.100		NW101.582		1200Ø OPSD 701.010	
МНЗ	104.98	SE101.345 SW101.435 NW101.535		NE101.285		1200Ø OPSD 701.010	
MH4	104.87	NW101.570		NE101.472		1200Ø OPSD 701.010	
MH5	104.99	SW101.232		NW101.168		1200Ø OPSD 701.010	
MH6	104.84	SE101.009		NW100.989		1200Ø OPSD 701.010	
MH7	104.65	SE100.938 SW100.568		NE100.568		1200Ø OPSD 701.010	
MH8	104.68	NW102.000		NE101.900		1200Ø OPSD 701.010	
MH9	104.74	SW101.770 NE101.770		SE101.670		1200Ø OPSD 701.010	
MH10	104.69	SW101.770		SE101.670		1200Ø OPSD 701.010	
MH11	104.78	NW101.890 SE101.890		NE101.760		1200Ø OPSD 701.010	
MH12	104.75	SE101.890		NE101.790		1200Ø OPSD 701.010	
MH13	104.97	NE101.920		SW101.820		1200Ø OPSD 701.010	
MH14	104.94	SW102.150		SE102.050		1200Ø OPSD 701.010	
XMH100	106.17			NE101.170		1200Ø OPSD 701.010	
XMH101	106.78	SW100.925		NE100.650		1200Ø OPSD 701.010	
XMH102	105.82	SW100.490				1200Ø OPSD 701.010	

SAN STRUCTURE TABLE						
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION
MH1A	105.11	SW102.250		NW102.162		1200Ø OPSD 701.010
MH2A	105.12	SE101.600 SW101.633		NW101.573		1200Ø OPSD 701.010
МНЗА	104.93	SE101.493 SW101.954		NW101.473		1200Ø OPSD 701.010
MH4A	104.82	SE101.348 SW101.870		NW101.302		1200Ø OPSD 701.010
MH5A	104.69	SW100.391 SE100.727		NE100.391		1200Ø OPSD 701.010
MH6A	104.91	SE102.300		NE102.148		1200Ø OPSD 701.010
MH7A	104.73	NE102.570		SE102.510		1200Ø OPSD 701.010
MH8A	104.89	NW102.389		NE102.329		1200Ø OPSD 701.010
MH9A	104.99	NW103.170		SW103.140		1200Ø OPSD 701.010
MH10A	104.67	NE102.986		NW102.926		1200Ø OPSD 701.010
MH11A	104.88	SE102.825 NE102.865		NW102.805		1200Ø OPSD 701.010
MH12A	104.76	SE102.267		NE102.207		1200Ø OPSD 701.010
MH13A	104.88	SW102.084 SE102.124		NE102.064		1200Ø OPSD 701.010
MH14A	104.98	SW101.990 SE101.794		NE101.734		1200Ø OPSD 701.010
MH15A	104.98	NE102.410		NW102.356		1200Ø OPSD 701.010
MH16A	104.94	SW102.750		NW102.689		1200Ø OPSD 701.010
MH17A	105.00	SE103.170		SW103.118		1200Ø OPSD 701.010
XMH1O1A	100.82			NE100.600		1200Ø OPSD 701.010
XMH102A	100.45	SW100.230				1200Ø OPSD 701.010

PAVEMENT STRUCTURE **

CAR ONLY PARKING AREAS:

50mm WEAR COURSE - HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE 150mm BASE - OPSS GRANULARGRANULAR "A" CRUSHED STONE 300mm SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - IN SITU SOIL, OR OPSS GRANULAR "B" TYPE I OR II

HEAVY TRUCK PARKING AREAS AND ACCESS LANES:

MATERIAL PLACED OVER IN SITU SOIL

- 40mm WEAR COURSE HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE 50mm BINDER COURSE - HL-8 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE 150mm BASE COURSE - OPSS GRANULAR "A" CRUSHED STONE 450mm SUBBASE - OPSS GRANULAR "B" TYPE II
- SUBGRADE IN SITU SOIL, OR OPSS GRANULAR "B" TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

** REFER TO GEOTECHNICAL REPORT BY GOLDER ASSOCIATES LTD.

CROSSING SCHEDULE

(1)	450 mm ø STM	0.230 m	CLEARANCE	OVER	200 mm ø SAN
$\overline{2}$	300 mm ø W/M	0.576 m	CLEARANCE	OVER	450 mm ø STM
$\overline{3}$	300 mm ø W/M	1.052 m	CLEARANCE	OVER	200 mm ø SAN
$\overline{4}$	250 mm ø W/M	0.378 m	CLEARANCE	OVER	200 mm ø SAN
5	200 mm ø SAN	0.328 m	CLEARANCE	OVER	450 mm ø STM
6	250 mm ø W/M	0.898 m	CLEARANCE	OVER	450 mm ø STM
	250 mm ø W/M	0.491 m	CLEARANCE	OVER	450 mm ø STM
8	200 mm ø SAN	0.324 m	CLEARANCE	OVER	450 mm ø STM
9	250 mm ø W/M	0.364 m	CLEARANCE	OVER	200 mm ø SAN
10	250 mm ø W/M	0.632 m	CLEARANCE	OVER	200 mm ø SAN
11	200 mm ø SAN	0.110 m	CLEARANCE	OVER	450 mm ø STM
12	250 mm ø W/M	0.448 m	CLEARANCE	OVER	200 mm ø SAN
13	250 mm ø W/M	0.579 m	CLEARANCE	OVER	450 mm ø STM
14	250 mm ø W/M	0.337 m	CLEARANCE	OVER	200 mm ø SAN
15	200 mm ø STM	0.581 m	CLEARANCE	OVER	200 mm ø SAN
16	200 mm ø STM	0.279 m	CLEARANCE	OVER	250 mm ø W/M
	200 mm ø STM	0.330 m	CLEARANCE	OVER	200 mm ø SAN
18	200 mm ø STM	0.251 m	CLEARANCE	OVER	250 mm ø W/M
19	200 mm ø STM	0.496 m	CLEARANCE	OVER	200 mm ø SAN
20	200 mm ø STM	0.437 m	CLEARANCE	OVER	250 mm ø W/M
(21)	200 mm ø STM	0.258 m	CLEARANCE	OVER	250 mm ø SAN
22	200 mm ø STM	0.754 m	CLEARANCE	OVER	250 mm ø W/M
23	200 mm ø SAN	0.379 m	CLEARANCE	OVER	200 mm ø W/M
24	100 mm ø W/M	0.561 m	CLEARANCE	OVER	450 mm ø STM
25	200 mm ø SAN	0.775 m	CLEARANCE	OVER	200 mm ø STM
20	200 mm ø SAN	0.560 m	CLEARANCE	OVER	200 mm ø STM
2	200 mm ø SAN	0.359 m	CLEARANCE	OVER	250 mm ø W/M
(28)	200 mm ø SAN	0.299 m	CLEARANCE	OVER	250 mm ø W/M

	Station	WATERAIN SCHE Description	DULE Finished Grade	Top of As Built		
	A 0+000.00 0+005.45	TEE 11.25° BEND	104.62 104.79	102.22 102.39	- GLENVIEW	HOMES
a b b b c	0+009.03 0+013.81	VB V-BEND	104.85 104.78	102.45 102.38	Glenvi	ew
International and the second of the	0+014.11 B 0+017.21	V-BEND TEE REDUCER 250-50	104.78 104.72	102.68 102.68 102.68	h	omes
No.00 No.00 <th< td=""><td>0+020.20</td><td>V-BEND</td><td>104.77</td><td>102.68 102.39</td><td> 190 O'Connor St., 11tr ─</td><td>i floor, Ottawa, ON</td></th<>	0+020.20	V-BEND	104.77	102.68 102.39	190 O'Connor St., 11tr ─	i floor, Ottawa, ON
Note: Note: <th< td=""><td>0+031.42 0+042.34</td><td>SERVICE TEE</td><td>104.86</td><td>102.46</td><td></td><td></td></th<>	0+031.42 0+042.34	SERVICE TEE	104.86	102.46		
1 1	0+047.68 0+049.56	SERVICE TEE REDUCER 50-25	105.02 105.09	102.62 102.69	COPYRIGHI This drawing has been prepared solely reproduction or distribution for any purpose (for the intended use, thus any other than authorized by IBI Group is
Image: Provide intermediate interm	0+057.53 C 0+057.81	BEND SERVICE	105.11 105.16	102.71 102.76	forbidden. Written dimensions shall have p Contractors shall verify and be responsible the job, and IBI Group shall be informed of ar	recedence over scaled dimensions. or all dimensions and conditions on ny variations from the dimensions and
1 1 <th1< th=""> 1 <th1< th=""> <th1< th=""></th1<></th1<></th1<>	B 0+000.00	TEE	104.72	102.68	conditions shown on the drawing. Shop draw for general conformance before pr	rings shall be submitted to IBI Group oceeding with fabrication.
D D	0+001.82 0+002.12	V-BEND V-BEND	104.72	102.68 102.33	IBI Group Professional Se is a member of the IBI Gr	rvices (Canada) Inc.
No. Description Descripion <thdescription< th=""> <thdesc< td=""><td>D 0+020.90 0+023.88</td><td>TEE REDUCER 250-100</td><td>104.77</td><td>102.37 102.34</td><td>ISSUES</td><td></td></thdesc<></thdescription<>	D 0+020.90 0+023.88	TEE REDUCER 250-100	104.77	102.37 102.34	ISSUES	
1 1	0+046.04	SERVICE TEE SERVICE TEE	105.04	102.80	No. DESCRIPTION 1 SUBMITTED FOR ZBA ANI	N DATE D SPA 2020-08-24
Image: Note of the second se	0+051.37	SERVICE TEE	105.19	102.79 102.67	-	<u> </u>
Image: Note of the second se	0+074.08 0+074.82	BEND	105.07	102.67	-	
1 1	0+079.69 0+081.51	SERVICE TEE REDUCER 50-25	105.04 105.06	102.64 102.66	-	1RU
E Control Cont	0+091.36 E 0+092.44	BEND SERVICE	103.40 105.16	101.00 102.76		5
Image: Note of the second se	D 0+000.00	TEE	104.77	102.37		
1 1 <th1< th=""> 1 <th1< th=""> <th1< th=""></th1<></th1<></th1<>	0+000.60 0+000.90	V-BEND V-BEND	104.77	102.37 102.75	- R	
1 00000 0000 0000 0	0+003.10 0+003.40	V-BEND V-BEND	104.75	102.75 102.35		
Construction Construction<	F 0+021.10 0+022.46	REDUCER 250-50	105.15	102.75		
Image: Notice in the image:	0+037.89	SERVICE TEE	105.18 105.18 105.18	102.78 102.78		
C Decks PRACE PRA	0+044.70	REDUCER 50-25	105.17	102.77 102.78		
F State Sta	G 0+056.90	SERVICE	105.18	102.78		
Construit Construit <t< td=""><td>F 0+000.00 H 0+016.21</td><td>TEE</td><td>105.15 105.08</td><td>102.75 102.68</td><td></td><td></td></t<>	F 0+000.00 H 0+016.21	TEE	105.15 105.08	102.75 102.68		
Book Book <th< td=""><td>0+031.31 0+031.61</td><td>HY DANT TEE V-BEND</td><td>104.83 104.84</td><td>102.43 102.44</td><td>-</td><td></td></th<>	0+031.31 0+031.61	HY DANT TEE V-BEND	104.83 104.84	102.43 102.44	-	
House House <th< td=""><td>0+031.91</td><td>V-BEND V-BEND</td><td>104.85 105.05</td><td>102.90 102.90</td><td></td><td></td></th<>	0+031.91	V-BEND V-BEND	104.85 105.05	102.90 102.90		
- C-101 HE-LAPE 320. CC 193 C 193 C CONSTITUTE (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	0+034.41 I 0+035.01	V-BEND TEE	105.06	102.66 102.67		
••••••••••••••••••••••••••••••••••••	0+038.63 0+041.69	REDUCER 250-100 SERVICE TEE	105.12 105.12	102.72 102.72		
	0+051.29 0+053.32	SERVICE TEE REDUCER 100-50	105.12	102.72 102.72		
- 1000000000000000000000000000000000000	0+055.19 0+055.93		105.07	102.67 102.63	Project Coordinator Terrain Development Const	sulting
Discistor Discistor <thdiscistor< th=""> <thdiscistor< th=""> <thd< td=""><td>0+068.80</td><td>SERVICE TEE SERVICE TEE</td><td>105.14</td><td>102.74</td><td> Architect: M. David Blakely Architect </td><td>s Inc.</td></thd<></thdiscistor<></thdiscistor<>	0+068.80	SERVICE TEE SERVICE TEE	105.14	102.74	 Architect: M. David Blakely Architect 	s Inc.
1 1	0+085.04	REDUCER 50-25	105.13	102.74 102.73 102.74	Landscape:	Inc
Image: Product Term 19509 19288 Control	J 0+092.68	SERVICE	105.15	102.75	Surveyor:	
BACKET INF IPS ID 100 TO Colder Associate Lid. BACKET INF 100 ID 100 TO ID	H 0+000.00 0+001.36	TEE REDUCER 250-50	105.08	102.68 102.70	Geotech:	
0-0225 BROACT IS 105/5 102/5 105/5 102/5 0-0225 BROACT IS 105/5 102/5 105/5 102/5 0-0225 BROACT IS 105/5 105/5 102/5 105/5 105/5 1 0-0225 BROACT IS 105/5 105/5 102/5 105/5	0+002.51 0+016.79	SERVICE TEE SERVICE TEE	105.10 105.13	102.70 102.73	Golder Associates Ltd.	
■ 00050 BHVL 00010 10020 10020 ■ 00050 EF 9507 10257 10257 ■ 00050 EF 9507 10277 10257 ■ 00050 EF 9507 10274 10274 ■ 00050 EF 95021 10274 10274 ■ 00050 EF 9523 10226 10274 ■ 00050 EF 9523 10226 10274 ■ 000512 EDC 9523 10226 10274 ■ 000512 EDC 9523 10226 10274 ■ 000512 EDC 9511 10277 10256 ■ 000512 EDC 9511 10277 10256 ■ 000517 EDC<	0+022.12 0+023.60	SERVICE TEE REDUCER 50-25	105.13 105.13	102.73 102.73	-	
Image: style in the server in the servere in the servere in the server in the server in the server in th	0+035.39 K 0+036.52	BEND SERVICE	105.13 105.18	102.73 102.78		
■ 00020 ■ 000200 ■ 00020	I 0+000.00		105.07	102.67	-	
BODY 20 DEPOSE THE 100 10 102 70 CH4025 VEXTOR THE (105 11 102 71 CH4025 VEXTOR THE (105 23 102 33 CH4025 VEXTOR THE (105 23 102 34 CH4025 VEXTOR THE (105 10 102 72 CH4025 VEXTOR THE (105 10 102 72	0+013.40	SERVICE TEE	105.10	102.70 102.70 102.70	_	
0 0	0+028.33	SERVICE TEE SERVICE TEE	105.10	102.70	-	
PH9500 BBW/CETIE 105/10 102/24 PH9721 VERDO 105/11 102/24 PH9721 PH9721 102/24 102/24 PH9721 PH9721 102/24 102/24 PH9721 PH9721 102/24 102/24 PH9721 PH9721 102/24 102/24 PH9722 PH9721 102/24 102/24 PH9722 PH9724 PH9724 102/24 PH9724 PH9724 PH9724 <t< td=""><td>0+048.67</td><td>SERVICE TEE</td><td>105.12</td><td>102.72 102.74</td><td>-</td><td></td></t<>	0+048.67	SERVICE TEE	105.12	102.72 102.74	-	
0-068 52 // V-BPD 100 73 /	0+063.60 0+073.21	SERVICE TEE SERVICE TEE	105.15	102.75 102.74	-	
□ □	0+081.62 0+081.92	V-BEND V-BEND	105.13 105.13	102.73 102.40	SEAL	ONA
L Unit Un	0+085.06	V-BEND V-BEND	105.13 105.12	102.40 102.72		
0 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.000000000000 0.00000000000000000000000000000000000	L 0+087.30		105.11	102.71		
0000000 00000000 0000000 <	0+000.00	BEND REDUCER 50.25	105.23	102.83 102.83		28
1 - 1923 12 1 - 192 22 1 - 192 22 0 - 1925 71 1 - 192 22 1 - 192 22 0 - 1925 71 1 - 192 72 1 - 192 72 M 0 - 1953 71 1 - 192 72 1 - 192 72 M 0 - 1953 71 1 - 192 72 1 - 192 72 M 0 - 1953 71 1 - 192 72 1 - 192 72 0 - 0453 72 1 - 192 72 1 - 192 72 1 - 192 72 0 - 0453 73 1 - 192 72 1 - 192 72 1 - 192 72 0 - 0453 74 1 - 192 72 1 - 192 72 1 - 192 72 0 - 0453 74 1 - 192 72 1 - 192 72 1 - 192 72 0 - 0453 74 1 - 192 72 1 - 192 72 1 - 192 72 0 - 0453 74 1 - 192 74 1 - 192 74 1 - 192 74 0 - 0453 74 1 - 192 74 1 - 192 74 1 - 192 74 0 - 0453 74 1 - 192 74 1 - 192 74 1 - 192 74 0 - 0453 74 1 - 192 74 1 - 192 74 1 - 192 74 0 - 0453 74 1 - 192 74 1 - 192 74 1 - 192 74 0 - 0453 74	0+012.83	SERVICE TEE SERVICE TEE	105.23	102.83 102.83		ONTARIO
■ 093771 DBSD 105 12 172 77 M 9495130 TESJZER 1050 105 10 102 76 0 40983 74 RESJZER 1050 105 10 102 76 0 40983 74 RESJZER 1050 105 10 102 76 0 4007 23 RESJZER 250 100 105 10 102 76 0 4007 23 RESJZER 125 100 11 12 10 122 10 102 76 0 4007 23 SERVICE TEE 105 11 102 76 0 4007 13 SERVICE TEE 105 12 102 72 0 4008 11 V-BBDO 104 48 102 43 0 4008 11 V-BBDO 104 48 102 43 0 4097 11 V-BBDO 104 48 102 78 0 4000 05 SERVICE 105 16 102 78 0 4003 71 RESJZER 250 50 105 76 102 77 0 4003 71 RESJZER 250 100 104 44 102 26 0 4003 71 RESJZER 250 100 105 76 102 77 0 4003 72 RESJZER 250 100 104 44 102 26 0 4003 73	0+034.28	SERVICE TEE BEND	105.23	102.83 102.73	- OF	
M 0+0683.40 HE 105.16 102.76 0+0682.42 VB 105.10 102.70 105.10 102.70 0+070.23 HEXARTTEE 105.10 102.70 102.70 0+070.23 HE 105.11 102.70 102.70 0+070.23 HE 105.11 102.71 102.72 0+070.23 HE 105.12 102.72 102.72 0+076.78 BRAVCE TE 105.12 102.72 102.72 0+076.71 VBD 104.48 102.40 102.40 0+069.71 VBD 104.48 102.40 102.40 0+069.71 VBD 104.48 102.40 102.48 0+070.74 HRDJCRE 50-25 105.16 102.79 Subte 40333 Preston Street 0+063.77 HRDJCRE 50-50 105.16 102.79 Subte 40333 Preston Street 0+063.78 HRDJCRE 50-50 105.76 102.79 Subte 40333 Preston Street 0+070.74 HRDJCRE 50-50 105.76 102.79	0+037.71 0+051.32	BEND REDUCER 100-50	105.12	102.72 102.77	-	
■ 0+0768 /4 (9+070.22) 105.10 102.70 (2.70) 0 0+072.20 (9+078.47) TE 106.510 102.72 (1.72) 0 0+078.20 (9+078.47) SERV.CE TE 105.12 (105.12) 102.72 (106.12) 0 0+078.47 (9+078.57) VEB.D 105.12 (106.12) 102.72 (106.12) 0 0+078.47 (9+068.57) VEB.D 106.12 (106.32) 102.72 (106.32) 0 0+068.47 (9+068.57) VEB.D 106.437 (106.447) 102.40 (104.437) 102.40 (104.437) 0 0+066.51 (9+065.57) VEB.D 106.18 (105.18 (105.18 (105.18 (105.18 (105.18 (102.77) 102.76 (107.76 (106.18 (105.27) 102.76 (105.18 (105.18 (105.19 (106.19 (106.19 (106.19 (106.19 (106.19 (106.19 (106.19 (106.19 (106.27) 102.76 (106.18 (106.27) PROJECT State dop - 338 Prestors Street State dop - 338 Prestors Street (106.18 (106.122.51011/61.51011/22.51 PROJECT NO: 125600 0+0707.63 <	M 0+053.40 0+068.26	TEE VB	105.16 105.10	102.76 102.70	-	
L 0+072.20 THE 105.11 102.71 0+0767.80 SRM/CE THE 105.12 100.72 0+0678.80 SRM/CE THE 105.12 100.276 0+068.61 V-BR/D 105.60 102.26 0+068.61 V-BR/D 106.487 102.40 0+068.61 V-BR/D 104.487 102.240 0+068.61 V-BR/D 104.483 102.240 0+068.61 V-BR/D 104.483 102.240 0+069.61 V-BR/D 104.483 102.240 0+078.71 V-BR/D 104.483 102.240 0+078.71 V-BR/D 105.19 102.76 0+078.73 SBR/VCE 105.19 102.76 0+078.73 SBR/VCE THE 105.19 102.76 0+078.73 SBR/VCE THE 105.19 102.76 0+078.73 REVUCER 750-50 105.67 102.76 0+078.73 REVUCER 750-50 105.67 102.26 0+0778.7 REVUCER 750-50 105.62 102	0+068.74 0+070.23	REDUCER 250-100 HY DANT TEE	105.10 105.10	102.70 102.70]	
0+0967.88 ISBN CRETE 105.72 102.75 0+0963.51 V-BBND 105.06 102.26 0+0963.51 V-BBND 104.89 102.40 0+0963.51 V-BBND 104.89 102.40 0+0963.51 V-BBND 104.89 102.40 0+0963.51 V-BBND 104.83 102.40 0+0963.51 V-BBND 104.83 102.40 0+0963.51 V-BBND 104.83 102.40 0+0963.81 V-BBND 104.84 102.79 0+0063.81 REDUCER0-25.5 105.19 102.79 0+0063.43 SERVICE TEE 105.19 102.79 0+0063.47 SERVICE TEE 105.07 102.26 0+0063.47 SERVICE TEE 105.07 102.26 0+0063.47 SERVICE TEE 105.22 102.26 0+0063.47 SERVICE TEE 105.22 102.26 0+0763.53 SERVICE TEE 105.22 102.26 0+0763.53 SERVICE TEE 105.22 102.28	L 0+072.20 0+078.47	TEE SERVICE TEE	105.11 105.12	102.71 102.72	_	
UNUSES UNERNUM 100.01 102.21 0-0035.01 V-BEND 104.89 102.40 0-0035.01 V-BEND 104.84 102.40 0-0035.01 V-BEND 104.84 102.40 0-0037.01 V-BEND 104.83 102.40 0-0037.01 V-BEND 104.83 102.40 0-0037.01 V-BEND 105.19 102.79 0-00033 BEND 105.19 102.79 0-00034 SERV/CETE 105.19 102.79 0-0037.61 RED/CETE 105.19 102.279 0-0037.61 RED/CETE 105.07 102.26 0-0037.61 RED/CETE 105.07 102.26 0-0037.61 RED/CETE 105.24 102.26 0-0037.61 SERV/CETE 105.24 102.26 0-0037.61 SERV/CETE 105.24 102.26 0-0037.61 SERV/CETE 105.24 102.26 0-0037.61 SERV/CETE 105.24 102.26	0+087.88 0+092.91	CROSS	105.12 105.06	102.72 102.66	1	
- 0-000.051 V9 104.87 102.49 0-0096.711 V-BEND 104.83 102.43	0+093.51	V-BEND	105.01	102.61 102.40	1	
■ ■	0+095.91	V-BEND	104.87	102.40 102.40 102.43	-	
Q 0+000.00 SERVICE 105.19 102.79 0+000.03 BBND 105.18 102.78 Inc. Not Weight of the service of t	U 0+126.88	TVS	10 4 .03			
0+007.64 REDUCER 50-25 105.19 102.79 105.19 102.79 0+007.64 REDUCER 1EE 105.19 102.79 104.79 105.19 102.79 0+007.64 REDUCER 250-50 105.19 102.79 104.79 105.19 102.79 0+007.61 REDUCER 250-50 105.05 102.66 102.66 102.66 102.64 0+007.63 REDUCER 250-100 104.94 102.54 102.64 104.03 104.04 102.64 0+007.63 REDUCER 100-50 105.02 102.62 102.62 463.9 Bank Street 463.9 Bank Street 0+007.63 BEND 105.02 102.62 102.62 125600 125600 0+101.02 SERVICE TEE 105.22 102.82 102.82 125600 125600 0+103.03 SERVICE TEE 105.22 102.82 102.82 125600 125600 0+103.03 SERVICE TEE 105.16 102.76 DRAWIN BY: CHECKED BY: D.J./. 0+103.03 SERVICE TEE	Q 0+000.00 0+000.33	SERVICE BEND	105.19 105.18	102.79 102.78	Suite 400 – 333 Ottawa ON K15	Preston Street 55N4 Canada
0+015.27 SERVICE TEE 105.19 102.79 0+024.87 SERVICE TEE 105.07 102.67 P 0+033.97 CROSS 105.05 102.66 P 0+033.97 CROSS 105.05 102.66 P 46339 BANK STREET 0+005.37 TEE 105.24 102.84 P P 4639 Bank Street 0+075.43 SERVICE TEE 105.22 102.84 P P 4639 Bank Street 0+075.76 RENCE TEE 105.22 102.84 P P 4639 Bank Street 0+075.30 SERVICE TEE 105.22 102.82 PROJECT NO: 125600 0+101.02 SERVICE TEE 105.22 102.82 PROJECT NO: 125600 0+105.08 REDUCER 50-25 105.18 102.78 DRAWN BY: CHECKED BY: 0+115.76 SERVICE TEE 105.18 102.78 D.J.Z.H. R.M. 1 0+116.78 SERVICE TEE 105.18 102.78 D.J.Z.H. P.Y.	0+007.64 0+009.94	REDUCER 50-25 SERVICE TEE	105.19	102.79 102.79	tel 613 225 1311 / ibigroup.com	613 241 3300 fax 613 225 9
0+037.61 REDUCER 250-50 105.07 102.67 PROJECT 0+043.39 REDUCER 250-100 104.94 102.54 4639 BANK STREET 0+040.38 REDUCER 250-100 105.24 102.64 4639 BANK STREET 0+065.37 TEE 105.24 102.84 4639 BANK STREET 4639 Bank Street 0+075.43 SERVICE TE 105.22 102.62 4639 Bank Street 4639 Bank Street 0+078.30 BEND 105.22 102.82 PROJECT NO: 125600 125600 0+101.02 SERVICE TE 105.22 102.82 PROJECT NO: 125600 0+108.08 REDUCER 50-25 105.21 102.78 D.J./E.H. R.M. 0+108.08 REDUCER 100-50 105.18 102.78 D.J/E.H. R.M. 0+115.85 BEND 105.18 102.78 D.Y. D.Y. D.Y. 0+002.36 REDUCER 100-50 105.18 102.78 D.Y. D.Y. D.Y. 0+002.36 SERVICE TE 105.18 102.78	0+015.27 0+024.87	SERVICE TEE	105.19 105.19	102.79 102.79		
UPU40.39 INCLUCEM 200-100 104.94 102.54 40539 DATIVE STREET 0 +068.76 SERVICE TEE 105.09 102.83 102.84 102.74 102.84 102.74 102.84 102.76 102.82 102.82 102.82 102.85 102.85 102.85 102.86 102.76 125600 105.16 102.76 125600 105.16 102.76 125600 105.16 102.76 125600 105.16 102.76 125600 105.16 102.76 125600 105.16 102.78 102.78 102.78 102.78 102.78 102.78 10	0+037.61 P 0+038.97	REDUCER 250-50 CROSS	105.07 105.06	102.67 102.66		STREET
0.7003.70 05CKVICE TEE 105.24 102.84 102.84 0.4078.67 REDUCER 100-50 105.02 102.83 4639 Bank Street 0.4078.67 REDUCER 100-50 105.02 102.62 4639 Bank Street 0.4080.04 BBND 105.22 102.82 PROJECT NO: 0.4101.02 SERVICE TEE 105.22 102.82 125600 0.4108.08 REDUCER 50-25 105.21 102.82 125600 0.4108.08 REDUCER 50-25 105.21 102.82 125600 0.4108.08 REDUCER 50-25 105.21 102.78 DAWN BY: CHECKED BY: 0.4107.78 BEND 105.16 102.76 D.J.E.H. R.M. 0.4108.08 REDUCER 100-50 105.18 102.78 D.Y. D.Y. D.Y. 0.4002.38 REDUCER 100-50 105.18 102.78 D.Y. D.Y. D.Y. 0.4033.8 SERVICE TEE 105.18 102.78 D.Y. D.Y. D.Y. 0.4033.8 SERVICE TEE	0+040.39 R 0+058.37	REDUCER 250-100	104.94	102.54 102.69		UTILLI
0-01001 Nuccent 105-00 4639 Bank Street 0+091.41 SERVICE TEE 105.22 102.82 PROJECT NO: 125600 125600 <t< td=""><td>0+075.43</td><td>SERVICE TEE SERVICE TEE REDUCER 100-50</td><td>105.24</td><td>102.83</td><td>1</td><td></td></t<>	0+075.43	SERVICE TEE SERVICE TEE REDUCER 100-50	105.24	102.83	1	
0-00141 SERVICE TE 102.97 0+101.02 SERVICE TE 105.22 102.82 PROJECT NO: 0+101.02 SERVICE TE 105.22 102.82 125600 0+106.35 SERVICE TE 105.22 102.82 125600 0+106.35 SERVICE TE 105.21 102.81 DRAWN BY: CHECKED BY: 0+115.95 BEND 105.18 102.78 D.D/E.H. R.M. 0+002.36 REDUCER 100-50 105.18 102.78 D.Y. D.Y. 0+003.36 SERVICE TE 105.18 102.78 D.Y. D.Y. D.Y. 0+007.33 SERVICE TE 105.18 102.78 D.Y. D.Y. D.Y. 0+003.26 SERVICE TE 105.18 102.78 D.Y. D.Y. D.Y. 0+003.25 REDUCER 50-25 105.18 102.78 D.Y. DETAILS AND NOTES 0+037.24 BEND 105.09 102.69 SERVICE TE 105.20 102.80 C-0010 1 0+	0+079.30	BEND BEND	105.02	102.62	4639 Bank	Street
0+106.35 SERVICE TE 105.22 102.82 125600 0+108.08 REDUCER 50-25 105.21 102.81 DRAWN BY: CHECKED BY: 0+115.95 BEND 105.18 102.78 DJ.J.E.H. R.M. T 0+116.78 SERVICE TE 105.16 102.76 D.J.E.H. R.M. M 0+000.00 TE 105.18 102.78 D.Y. D.Y. D.Y. 0+003.36 SERVICE TE 105.18 102.78 D.Y. D.Y. D.Y. 0+002.36 REDUCER 100-50 105.18 102.78 D.Y. D.Y. D.Y. 0+002.36 SERVICE TE 105.18 102.78 D.Y. D.Y. D.Y. 0+022.96 SERVICE TE 105.18 102.78 D.Y. DETAILS AND NOTES 0+037.24 BEND 105.18 102.78 DETAILS AND NOTES 0+021.50 SERVICE TE 105.20 102.80 SHEET NUMBER ISSUE 0+028.57 REDUCER 250-25 105.20 <td< td=""><td>0+091.41</td><td>SERVICE TEE SERVICE TEE</td><td>105.22</td><td>102.82 102.82</td><td>PROJECT NO:</td><td></td></td<>	0+091.41	SERVICE TEE SERVICE TEE	105.22	102.82 102.82	PROJECT NO:	
0+115.95 BEND 105.18 102.78 DRAWN BY: CHECKED BY: T 0+116.78 SERVICE 105.26 102.86 D.D./E.H. R.M. M 0+000.00 TEE 105.16 102.76 D.Y. D.Y. 0+002.36 REDUCER 100-50 105.18 102.78 D.Y. D.Y. D.Y. 0+003.36 SERVICE TEE 105.18 102.78 D.Y. D.Y. D.Y. 0+017.63 SERVICE TEE 105.18 102.78 D.Y. DETAILS AND NOTES 0+022.96 SERVICE TEE 105.18 102.78 DETAILS AND NOTES 0+024.55 REDUCER 50-25 105.18 102.78 DETAILS AND NOTES 0+021.50 SERVICE 105.09 102.69 DETAILS AND NOTES 0+021.50 SERVICE TEE 105.15 102.75 DETAILS AND NOTES 0+021.50 SERVICE TEE 105.20 102.80 C-O10 1 0+021.50 SERVICE TEE 105.20 102.80 C-O10 1 <td>0+106.35</td> <td>SERVICE TEE REDUCER 50-25</td> <td>105.22</td> <td>102.82 102.81</td> <td></td> <td></td>	0+106.35	SERVICE TEE REDUCER 50-25	105.22	102.82 102.81		
M 0+000.00 TEE 105.16 102.76 PROJECT MGR: APPROVED BY: 0+002.36 REDUCER 100-50 105.18 102.78 D.Y. D.Y. D.Y. 0+003.36 SERVICE TEE 105.18 102.78 D.Y. D.Y. D.Y. 0+022.96 SERVICE TEE 105.18 102.78 SHEET TITLE D.Y. DETAILS AND NOTES 0+024.55 REDUCER 50-25 105.18 102.78 DETAILS AND NOTES 0+037.24 BEND 105.15 102.78 DETAILS AND NOTES 0+0011.90 SERVICE TEE 105.15 102.75 DETAILS AND NOTES 0+011.90 SERVICE TEE 105.15 102.75 DETAILS AND NOTES 0+021.50 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+028.57 REDUCER 250-25 105.20 102.80 DECOUCER 250-25 105.20 102.80 0+038.27 REND 105.20 102.80 DECOUCER 250-25 ISSUE 0+028.57 REDUCER 250-25 105.20 <td>0+115.95 T 0+116.78</td> <td>BEND</td> <td>105.18</td> <td>102.78 102.86</td> <td></td> <td>HECKED BY: M.</td>	0+115.95 T 0+116.78	BEND	105.18	102.78 102.86		HECKED BY: M.
0+002.36 REDUCER 100-50 105.18 102.78 D.Y. D.Y. 0+003.36 SERVICE TEE 105.18 102.78 SHEED CER 50-25 SHEED CER 50-25 SHEED CER 50-25 SHEED CER 50-25 SHEET TITLE DETAILS AND NOTES 0+021.55 REDUCER 50-25 105.18 102.78 DETAILS AND NOTES 0+024.55 REDUCER 50-25 105.18 102.78 DETAILS AND NOTES 0+037.24 BEND 105.23 102.83 DETAILS AND NOTES N 0+038.29 SERVICE 105.09 102.69 DETAILS AND NOTES 0+001.00 TEE 105.15 102.75 DETAILS AND NOTES SHEET NUMBER ISSUE 0+021.50 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+028.57 REDUCER 250-25 105.20 102.80 SHEET NUMBER ISSUE 0+038.43 BEND 105.20 102.80 ID2.80 ID2.80 ID2.80	M 0+000.00	TEE	105.16	102.76	PROJECT MGR: A	PPROVED BY:
0+017.63 SERVICE TEE 105.18 102.78 SHEET TITLE 0+022.96 SERVICE TEE 105.18 102.78 DETAILS AND NOTES 0+024.55 REDUCER 50-25 105.18 102.78 DETAILS AND NOTES 0+037.24 BEND 105.18 102.78 DETAILS AND NOTES N 0+038.29 SERVICE 105.18 102.78 N 0+038.29 SERVICE 105.23 102.83 0 0+011.90 SERVICE TEE 105.15 102.75 0+021.50 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+028.57 REDUCER 250-25 105.20 102.80 C-010 1 0+036.43 BEND 105.20 102.80 DC-010 1 S 0+038.27 SERVICE 105.26 102.86 DC-010 1	0+002.36	REDUCER 100-50 SERVICE TEE	105.18 105.18	102.78 102.78		.Y.
0+024.55 REDUCER 50-25 105.18 102.78 0+037.24 BEND 105.18 102.78 N 0+038.29 SERVICE 105.23 102.83 R 0+000.00 TEE 105.15 102.75 0+021.50 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+026.83 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+026.83 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+026.83 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 0+036.43 BEND 105.20 102.80 ISSUE IOS 26 IOS 26 <td< td=""><td>0+017.63 0+022.96</td><td>SERVICE TEE</td><td>105.18 105.18</td><td>102.78 102.78</td><td></td><td></td></td<>	0+017.63 0+022.96	SERVICE TEE	105.18 105.18	102.78 102.78		
IN U+U38.29 SERVICE 105.23 102.83 R 0+000.00 TEE 105.09 102.69 0+011.90 SERVICE TEE 105.15 102.75 0+021.50 SERVICE TEE 105.20 102.80 0+026.83 SERVICE TEE 105.20 102.80 0+028.57 REDUCER 250-25 105.20 102.80 0+036.43 BEND 105.20 102.80 S 0+038.27 SERVICE 105.26 102.80	0+024.55	REDUCER 50-25 BEND	105.18 105.18	102.78 102.78		
R 0+000.00 IEE 105.09 102.69 0+011.90 SERVICE TEE 105.15 102.75 0+021.50 SERVICE TEE 105.20 102.80 0+026.83 SERVICE TEE 105.20 102.80 0+028.57 REDUCER 250-25 105.20 102.80 0+036.43 BEND 105.20 102.80 S 0+038.27 SERVICE 105.26 102.80	N 0+038.29		105.23	102.83	1	
0+021.00 SERVICE TEE 105.20 102.80 SHEET NUMBER ISSUE 105.20 102.80 ISSUE 105.20 <	к 0+000.00 0+011.90		105.09	102.69 102.75		1001-17
0+036.43 BEND 105.20 102.80 C-UIU I S 0+038.27 SERVICE 105.26 102.80 I	0+026.83	SERVICE TEE SERVICE TEE REDUCER 250-25	105.20	102.80 102.80		
	0+036.43 S 0+038.27	BEND	105.20	102.80	1 し- 010	/ 1



