

STORM SEWER NOTES:

- BEDDING FOR ALL CONCRETE PIPES SHALL BE AS PER CITY STANDARD DRAWING NO. 2122.080. BEDDING FOR ALL PVC PIPES SHALL BE AS PER CITY STANDARD DRAWING NO. 2112.080. DETAIL A-A WITH THE EXCEPTION OF MATERIAL ABOVE THE PIPE, WILL BE 19mm STONE SEWER BEDDING. NON CONCRETE SEWER BEDDING SHALL CONFORM WITH OPSS 1010 FOR GRANULAR 'A' OR CITY STANDARD DRAWING NO. 2112.110 OR 2112.140 AND SAND COVER SHALL CONFORM WITH CITY STANDARD DRAWING NO. 2110.100. THE COMPACTION OF ALL BEDDING AND COVER MATERIALS SHALL BE A MINIMUM OF 95% STANDARD PROCTOR. MAXIMUM COVER SHALL BE IN ACCORDANCE WITH OPSS 806.04 AND 806.06. SPECIAL CARE MUST BE GIVEN TO CONTOURING THE BEDDING MATERIAL TO CONFORM WITH THE PIPE BOTTOM AND PROJECTING BELLS, ALONG WITH PROPER COMPACTION OF THE HAUNCHES IN ORDER TO PROVIDE EVEN SUPPORT THROUGHOUT THE PIPE. THE USE OF ANY BEDDING MATERIAL OR BACKFILL MATERIAL WITH DIAMETERS LARGER THEN 4cm WILL NOT BE PERMITTED AROUND ANY FLEXIBLE PIPE. BACKFILL OF ALL FLEXIBLE PIPES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS' SPECIFICATIONS, CITY STANDARDS AND OPSS 514.07.08.
- SEWER SERVICE CONNECTION SHALL BE IN ACCORDANCE WITH OPSSD. 1006.02.
- ALL STORM SEWER PIPES SHALL CONFORM TO THE REQUIREMENTS OF THE CANADIAN STANDARDS ASSOCIATION AND SHALL BE CLASS 65-D CONCRETE UNLESS OTHERWISE SPECIFIED. PVC PIPES SHALL BE DR-35 "ULTRA RIB".
- MANHOLES MAY BE EITHER PRECAST OR POURED IN PLACE AND SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
- O.P.S.D. STANDARD MANHOLE DETAILS SHALL BE USED FOR MANHOLE DESIGN.
- WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE OBVERT OF THE INLET AND OUTLET PIPES EXCEED 1.2m, A DROP PIPE AS INDICATED ON CITY STANDARD DRAWING NO. 2113.010 SHALL BE PLACED ON THE INLET PIPE.
- STORM SEWER MANHOLES SHALL BE BENCHMARKED TO THE OBVERT OF THE OUTLET PIPE ON A VERTICAL PROJECTION FROM THE SPRING LINE OF THE SEWER.
- FOR SINGLE CATCHBASINS, THE MINIMUM SIZE OF CONNECTION SHALL BE 250mm AND THE MINIMUM GRADE SHALL BE 1.0% UNLESS OTHERWISE NOTED. FOR DOUBLE CATCHBASINS, THE MINIMUM SIZE OF CONNECTION SHALL BE 300mm AND THE MINIMUM GRADE SHALL BE 1.0%.
- SERVICES TO BUILDING TO BE TERMINATED 1.5m FROM THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
- ALL SEWERS TO BE FLUSHED PRIOR TO VIDEO INSPECTION.
- MANHOLE FRAMES AND COVERS SHALL BE AS PER OPSSD 401.010 (STORM-OPEN, SANITARY-CLOSED).
- STORM SEWER (300mm TO 450mm DIA.) SHALL BE PVC PIPE, CSA B182.2, SDR-35.
- STORM SEWER > 450mm DIA. SHALL BE CONCRETE PIPE, CSA A257.2, CLASS 1000 - UNLESS OTHERWISE SPECIFIED.
- ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
- SUB-DRAINS SHALL BE INSTALLED IF DIRECTED BY THE ENGINEER OR AS SHOWN ON PLANS.
- ALL STORM MANHOLES TO BE AS PER OPSSD 701.010-701.014 (SIZE AS SHOWN).
- CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ADDITIONAL BEDDING AND/OR STRONGER PIPE IF ACTUAL TRENCH WIDTHS EXCEED DESIGN WIDTHS. RIGID PIPE REQUIRES CONCRETE ENCASEMENT FOR THE FIRST PIPE LENGTH CONNECTING TO AN APPURTENANCE, WHERE CONCRETE PIPE SMALLER THAN 600mm IS SPECIFIED CLASS SHALL BE 100-D.
- ALL SINGLE CATCH BASINS TO BE PRECAST AS PER OPSSD 705.010 WITH FRAME AND GRATE AS PER DETAILS. ALL DOUBLE CATCH BASINS TO BE PRECAST AS PER OPSSD 705.020.

GENERAL NOTES

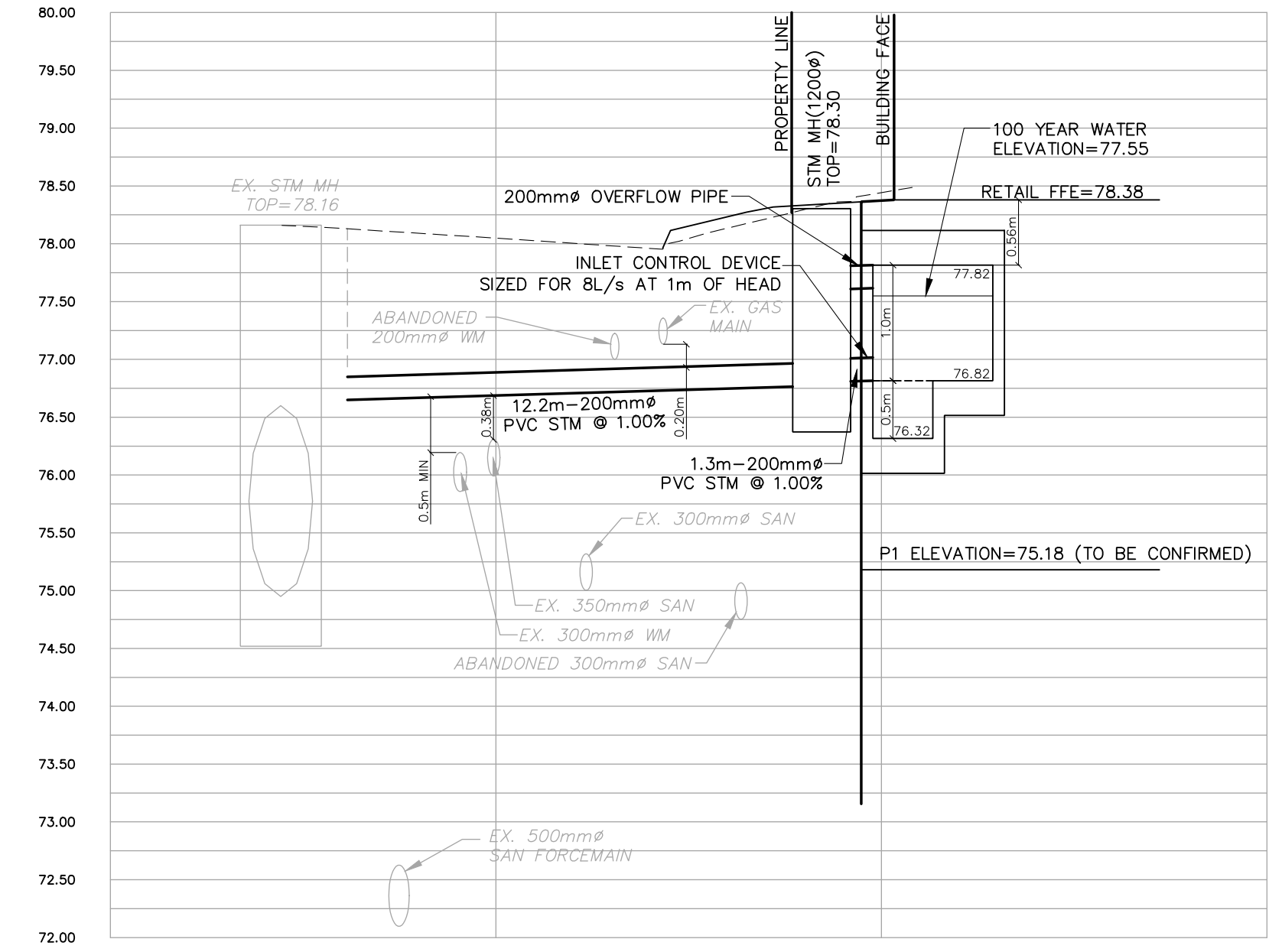
- ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- THE POSITION OF POLE, LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURE IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE.
- ALL SERVICES TO BE INSTALLED AS PER CITY STANDARDS, MINISTRY OF THE ENVIRONMENT (MOE) GUIDELINES, AND ONTARIO BUILDING CODE (OBC) (LATEST EDITION).
- ALL WORK MATERIAL AND CONSTRUCTION METHODS TO CONFORM WITH THE LATEST STANDARDS, SPECIFICATIONS, POLICIES, REGULATIONS, GUIDELINES AND LAWS FOR THE CITY OF MISSISSAUGA, ONTARIO BUILDING CODE (OBC), MINISTRY OF THE ENVIRONMENT (MOE), ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS (OPSSD AND OPSS), THE ENVIRONMENTAL PROTECTION ACT AND THE WATER RESOURCES ACT, WHERE A CITY STANDARD EXISTS IT SHALL BE USED IN PLACE OF THE OPSSD/OPSS STANDARDS.
- CONTRACTOR IS RESPONSIBLE FOR ANY MATERIAL TRACKED ONTO ADJACENT MUNICIPAL ROADS AND SHOULD PROVIDE CLEANING DAILY AND/OR AS MAY BE DIRECTED BY THE CITY OF MISSISSAUGA.
- THIS PLAN SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS' PLANS. ANY DISCREPANCIES SHALL BE CLARIFIED PRIOR TO CONSTRUCTION. INFORMATION RELATED TO DIMENSIONS FOR PRIVATE ROAD, PARKING CURBING, BUILDING LOCATIONS AND SETBACK'S SHALL BE TAKEN FROM THE SITE PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS RELATED TO SERVICE CONNECTIONS INCLUDING ROAD CUT PERMITS AND THIRD PARTY UTILITY COSTS.
- THE APPLICANT WILL BE RESPONSIBLE FOR THE COST OF ANY UTILITY RELOCATIONS NECESSITATED BY THE SITE PLAN.
- THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
- FOR DETAILS NOT SHOWN ON THESE DRAWINGS REFERENCE SHOULD BE MADE TO THE DESIGN STANDARDS OF THE CITY OF MISSISSAUGA AND TO ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
- CITY OF MISSISSAUGA AND REGION OF PEEL STANDARD DRAWINGS AND O.P.S.D. WITH REGIONAL AMENDMENTS FOR SANITARY SEWERS AND WATERMAINS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT.
- PROVIDE SEWER VIDEO INSPECTION UPON COMPLETION OF UNDERGROUND SERVICING, 2 DVDS OR VIDEOTAPES REQUIRED. CONTRACTOR TO SUPPLY CONSULTANT WITH ALL TOPOGRAPHICAL AND ASBLUT INFORMATION IN ORDER TO VERIFY THE THOROUGHNESS OF ALL WORK.
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK, WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THE INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.

REGION OF PEEL NOTES:

- ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
- WATERMAIN AND / OR WATER SERVICE MATERIALS 100 MM (4") AND LARGER MUST BE (REFER TO CURRENT MATERIAL SPECS AND INDICATE THE PIPE TO BE USED). SIZE 50MM (2") AND SMALLER MUST BE (REFER TO CURRENT MATERIAL SPECS AND INDICATE THE PIPE TO BE USED).
- WATERMAINS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 M (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2 M (4") FROM THEMSELVES AND ALL OTHER UTILITIES.
- PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50 MM (2") OUTLET ON 100 MM (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100 MM (4") DIAMETER MINIMUM ON A HYDRANT.
- ALL CURB STOPS TO BE 3.0 M (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- HYDRANT AND VALVE SET TO REGION STANDARD 1 - 6 - 1 DIMENSION A AND B, 0.7 M (2') AND 0.9 M (3') AND TO HAVE PUMPER NOZZLE.
- WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
- WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3 M (12") OVER / 0.5 M (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
- ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK, WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.

LEGEND

- PROPOSED STORM MANHOLE
- PROPOSED STORM CATCHBASIN
- PROPOSED AREA DRAIN/ROOF DRAIN
- PROPOSED STORM OGS
- PROPOSED SANITARY
- VALVE
- HYDRANT AND VALVE
- EXISTING STORM CATCHBASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING VALVE
- EXISTING HYDRANT
- PROPOSED BACKFLOW PREVENTOR
- PROPOSED WATER METER
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING SERVICES TO BE REMOVED
- EXISTING GAS UTILITY
- EXISTING TELEPHONE UTILITY
- EXISTING CABLE UTILITY
- EXISTING FIBRE OPTIC UTILITY
- EXISTING HYDRO UTILITY



SECTION A-A

SCALE: HORZ=1:150  
VERT=1:50

ELEVATIONS ARE REFERRED TO THE CITY OF MISSISSAUGA BENCHMARK NO. 650179, ON CNR BRIDGE OVER HURON ONTARIO STREET, TABLET IN TOP OF SIDEWALK ON NORTH-EAST SIDE OF RAILWAY, IN FORM THE NORTH-EAST END, 0.6m. NORTH-WEST OF EDGE OF CURB, HAVING A PUBLISHED ELEVATION OF 85.641 METRES.

 800-365 Bay Street, Toronto, ON M5H 2V1	<p>KEY PLAN</p>	<p>ISSUES</p> <table><thead><tr><th>No.</th><th>DESCRIPTION</th><th>DATE</th></tr></thead><tbody><tr><td>01</td><td>ZBA SUBMISSION 1</td><td>2021/12/17</td></tr></tbody></table>	No.	DESCRIPTION	DATE	01	ZBA SUBMISSION 1	2021/12/17	<p>SEAL</p>	<p>PROJECT</p> <p>128 Lakeshore Road East Mississauga, ON</p>	<p> P 405.700.8855 800-467-7000 HUSSON.CA</p>
		No.	DESCRIPTION	DATE							
		01	ZBA SUBMISSION 1	2021/12/17							
		<p>PROJECT NO:</p> <p>211246</p>	<p>SHEET TITLE</p> <p>SERVICING PLAN</p>								
<p>DRAWN BY:</p> <p>WZ</p>	<p>CHECKED BY:</p> <p>DWS</p>										
<p>SCALE:</p> <p>1:150</p>	<p>APPROVED BY:</p> <p>DWS</p>										
		<p>SHEET NUMBER</p> <p>C-101</p>	<p>ISSUE</p>								