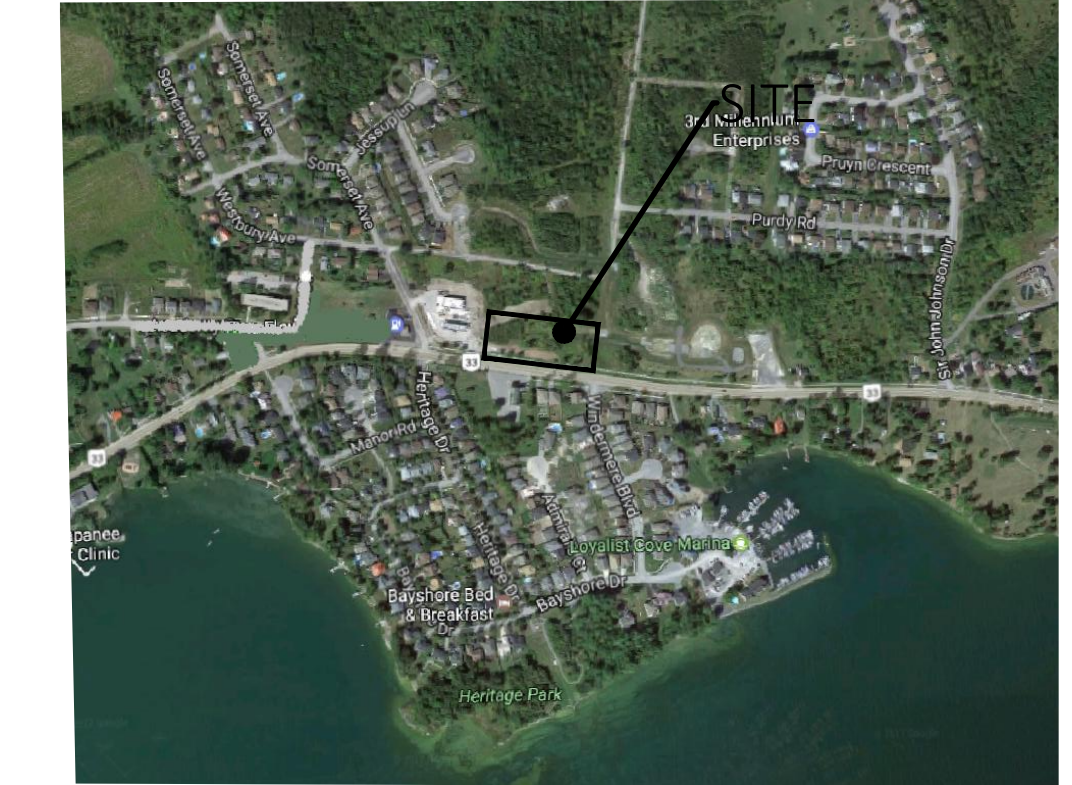
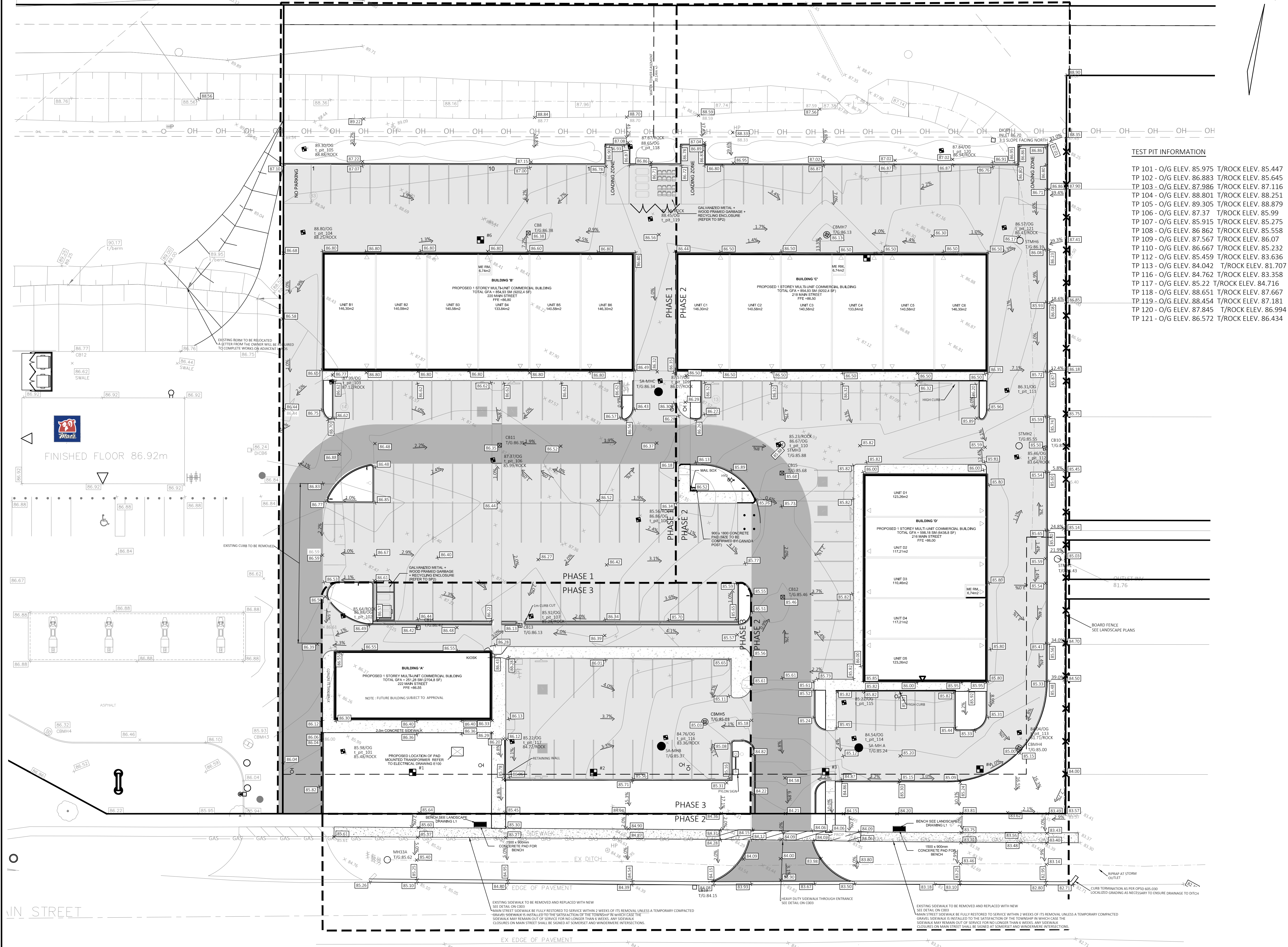


- PHASE NOTES:
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 2. THE UNDERGROUND WORKS, SIDEWALK, EASTERLY ENTRANCE, CURB ETC. WITHIN THE MUNICIPAL ROAD ALLOWANCE SHALL BE CONSTRUCTED AS PART OF THE PHASE 2 CONSTRUCTION.
 3. AS PART OF PHASE 1 DEVELOPMENT PHASE 2 IS TO BE PRE-GRADED TO SUBGRADE ELEVATION, WITH DRAINAGE TO AN APPROPRIATE STORM INLET.



KEY PLAN

TEST PIT INFORMATION

- TP 101 - O/G ELEV. 85.975 T/ROCK ELEV. 85.447
- TP 102 - O/G ELEV. 86.883 T/ROCK ELEV. 85.645
- TP 103 - O/G ELEV. 87.986 T/ROCK ELEV. 87.116
- TP 104 - O/G ELEV. 88.801 T/ROCK ELEV. 88.251
- TP 105 - O/G ELEV. 89.305 T/ROCK ELEV. 88.879
- TP 106 - O/G ELEV. 87.37 T/ROCK ELEV. 85.99
- TP 107 - O/G ELEV. 85.915 T/ROCK ELEV. 85.275
- TP 108 - O/G ELEV. 86.862 T/ROCK ELEV. 85.558
- TP 109 - O/G ELEV. 87.567 T/ROCK ELEV. 86.07
- TP 110 - O/G ELEV. 86.667 T/ROCK ELEV. 85.232
- TP 111 - O/G ELEV. 85.459 T/ROCK ELEV. 83.636
- TP 112 - O/G ELEV. 84.042 T/ROCK ELEV. 81.707
- TP 113 - O/G ELEV. 84.762 T/ROCK ELEV. 83.358
- TP 114 - O/G ELEV. 84.042 T/ROCK ELEV. 83.716
- TP 115 - O/G ELEV. 88.651 T/ROCK ELEV. 87.667
- TP 116 - O/G ELEV. 88.454 T/ROCK ELEV. 87.181
- TP 117 - O/G ELEV. 87.845 T/ROCK ELEV. 86.994
- TP 118 - O/G ELEV. 86.572 T/ROCK ELEV. 86.434

LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE		
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT REFER TO C003 FOR PAVEMENT COMPOSITION		
LIGHT DUTY ASPHALT REFER TO C003 FOR PAVEMENT COMPOSITION		
CONCRETE		
TEST PIT LOCATION		
TEST PIT #1, #2 REFER TO GEOTECHNICAL REPORT		
TEST PIT #3, #4, #5 BY OWNER		
CHANNEL GRADE LEVEL BOX (BELL-CANADA) 30w x 48 x 24 d		

No.	By	Date	Revision	Checked
4	NB	MAY 17, 2018	ISSUED FOR SPA	MJ
3	NB	MARCH 7, 2018	ISSUED FOR COORDINATION	MJ
2	NB	JANUARY 3, 2018	ISSUED FOR SPA	MJ
1	NB	AUGUST 30, 2017	REVISED AS PER SITE PLAN	MJ
			Revision	Checked

JE Josselyn Engineering Inc.



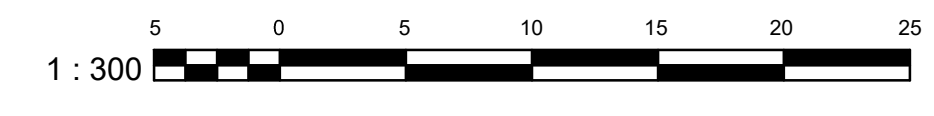
1225 GARDINERS ROAD, #105
 KINGSTON, ONTARIO K7P 0G3
 TEL : 613-634-9278
 FAX : 613-634-9138
 E-MAIL : mjosselyn@josselyn.ca

OWNER: MAIN STREET PLAZA CORPORATION

PROJECT: MAIN STREET - BATH

DRAWING TITLE: GRADING PLAN

Designed By: M.J.	Date: JUNE 26, 2017	Project No. 1218	Drawing No. C001
Drawn By: N.B.	Scale: 1:300		
Checked By: M.J.			

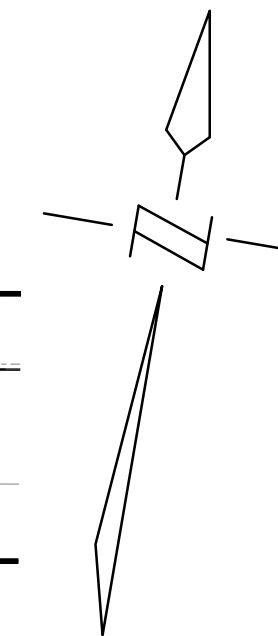


- PHASE NOTES:
1. ALL ONSITE UNDERGROUND SERVICING IS TO BE INSTALLED AS PART OF THE PHASE 1 CONSTRUCTION.
 2. THE UNDERGROUND WORKS, SIDEWALK, EASTERLY ENTRANCE, CURB ETC. WITHIN THE MUNICIPAL ROAD ALLOWANCE SHALL BE CONSTRUCTED AS PART OF THE PHASE 2 CONSTRUCTION.
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 - TP 2 - O/G ELEV. 86.883 T/ROCK ELEV. 85.645
 - TP 3 - O/G ELEV. 87.986 T/ROCK ELEV. 87.116
 - TP 4 - O/G ELEV. 88.801 T/ROCK ELEV. 88.251
 - TP 5 - O/G ELEV. 89.305 T/ROCK ELEV. 88.879
 - TP 6 - O/G ELEV. 87.37 T/ROCK ELEV. 85.99
 - TP 7 - O/G ELEV. 85.915 T/ROCK ELEV. 85.275

- TEST PIT INFORMATION
- TP 8 - O/G ELEV. 86.862 T/ROCK ELEV. 85.558
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 - TP 10 - O/G ELEV. 86.667 T/ROCK ELEV. 85.232
 - TP 11 - O/G ELEV. 86.313 T/ROCK ELEV. n/a
 - TP 12 - O/G ELEV. 85.459 T/ROCK ELEV. 83.636
 - TP 13 - O/G ELEV. 84.042 T/ROCK ELEV. 81.707
 - TP 14 - O/G ELEV. 84.541 T/ROCK ELEV. n/a

- TEST PIT INFORMATION
- TP 15 - O/G ELEV. 85.222 T/ROCK ELEV. n/a
 - TP 16 - O/G ELEV. 84.762 T/ROCK ELEV. 83.358
 - TP 17 - O/G ELEV. 85.22 T/ROCK ELEV. 84.716
 - TP 18 - O/G ELEV. 88.651 T/ROCK ELEV. 87.667
 - TP 19 - O/G ELEV. 88.454 T/ROCK ELEV. 87.181
 - TP 20 - O/G ELEV. 87.845 T/ROCK ELEV. 86.994
 - TP 21 - O/G ELEV. 86.572 T/ROCK ELEV. 86.434



- BENCH MARKS:
1. TOP NUT HYDRANT ON THE SOUTH SIDE OF MAIN STREET AT THE WEST SIDE OF CREIGHTON DRIVE ELEVATION 126.185
 2. TOP NUT HYDRANT ON THE SOUTH SIDE OF MAIN STREET AT THE WEST SIDE OF POTTER DRIVE ELEVATION 125.822

LEGEND		EXISTING	PROPOSED
PAVEMENT			
CONCRETE CURB TYPE			
DITCH			
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW			
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW			
WATERMAIN AND VALVE			
GAS METER LOCATION			
GAS MAIN			
HYDRO (UNDERGROUND)			
HYDRO (OVER HEAD)			
SINGLE CATCH BASIN			
DITCH INLET CATCH BASIN			
TWIN INLET CATCH BASIN			
CATCH BASIN MANHOLE			
HYDRANT & VALVE BOX			
BELL UTILITY POLE & ANCHOR			
HYDRO UTILITY POLE & ANCHOR			
STREET LIGHT			
TREES			
PROPERTY BOUNDARY			
EASEMENT			
FENCE			
SILT FENCE			
BENCH MARK LOCATION			
EXISTING GRADE			
PROPOSED GRADE			
DOOR			
HEAVY DUTY ASPHALT REFER TO C003 FOR PAVEMENT COMPOSITION			
LIGHT DUTY ASPHALT REFER TO C003 FOR PAVEMENT COMPOSITION			
CONCRETE			
TEST PIT LOCATION TEST PITS #1-43 REFER TO GEOTECHNICAL REPORT TEST PITS #003-#1218 BY OWNER			
CHANNEL GRADE LEVEL BOX (BELL CANADA) 1.30m x 48 x 34 d			

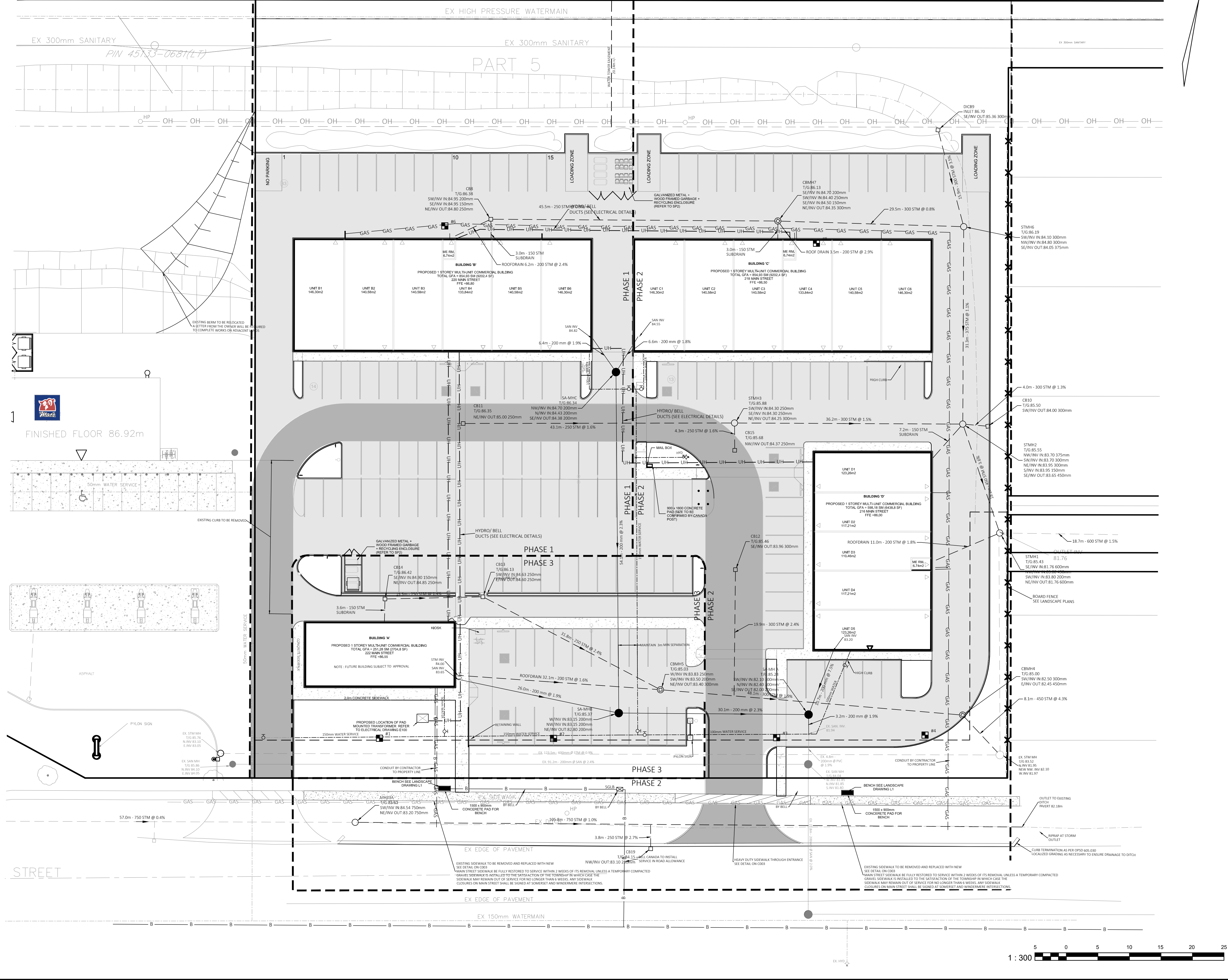
No.	By	Date	Revision	Checked
9	DC	SEPTEMBER 20, 2018	REVISED LOCATION OF BELL SERVICING	MJ
8	NB	SEPTEMBER 6, 2018	ADDED HYDRO SERVICE FROM BUILDING B TO BUILDING C	MJ
7	DC	AUGUST 23, 2018	REVISED LOCATION OF BELL & GAS SERVICING	MJ
6	NB	JUNE 5, 2018	REVISED INVERT AT CBMHS	MJ
5	NB	MAY 28, 2018	REVISED STM INVERTS	MJ
4	NB	MAY 17, 2018	ISSUED FOR SPA	MJ
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J. M. JOSSELYN
 LICENSED PROFESSIONAL ENGINEER
 2018/07/19
 PROVINCE OF ONTARIO

OWNER:	MAIN STREET PLAZA CORPORATION		
PROJECT:	MAIN STREET - BATH		
DRAWING TITLE:	SERVICING PLAN		
Designed By:	M.J.	Date:	JUNE 26, 2017
Drawn By:	N.B.	Project No.:	1218
Checked By:	M.J.	Scale:	1:300
		Drawing No.:	C002



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TEST PIT INFORMATION

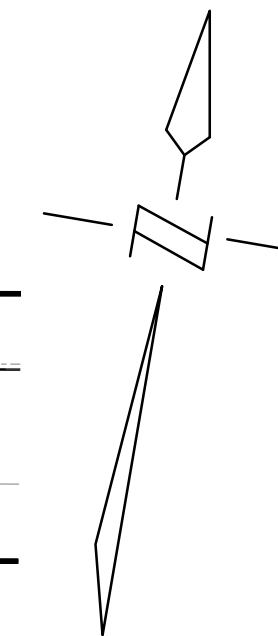
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SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW			
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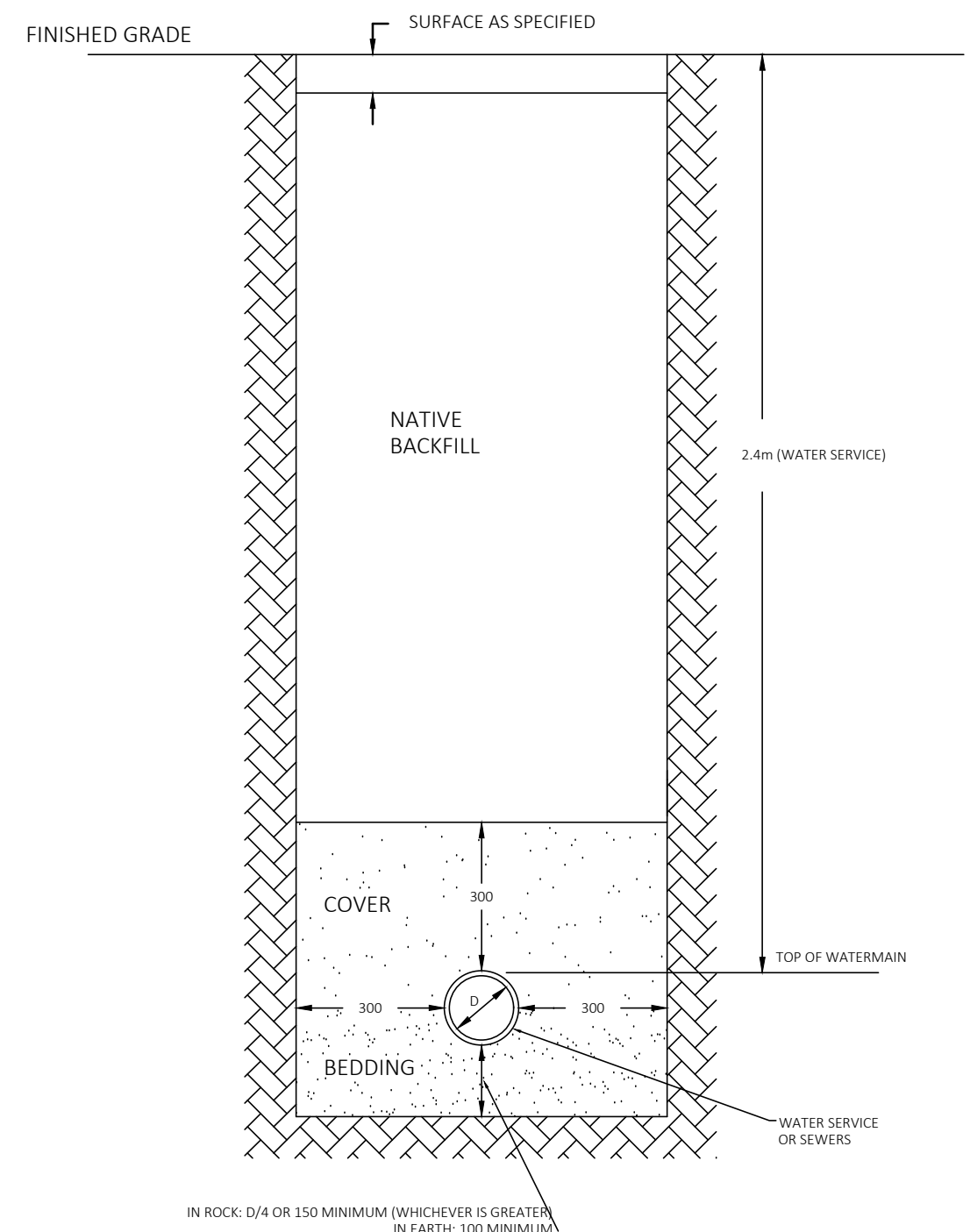
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JE Josselyn Engineering Inc.

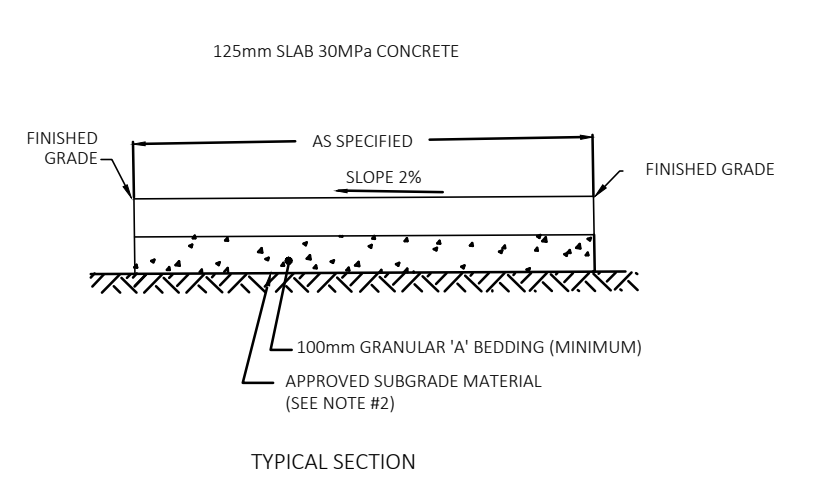
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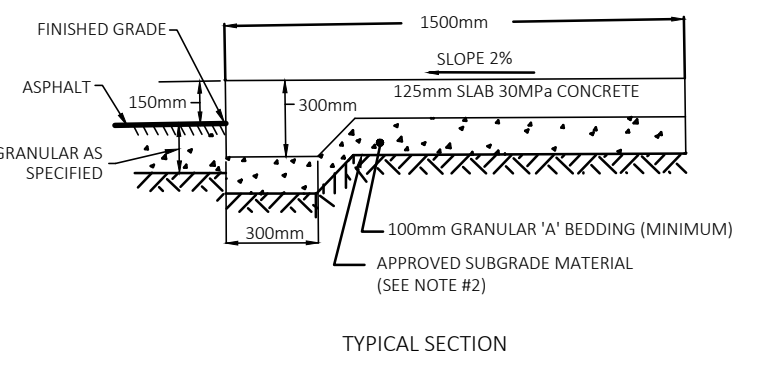
OWNER:	MAIN STREET PLAZA CORPORATION		
PROJECT:	MAIN STREET - BATH		
DRAWING TITLE:	SERVICING PLAN		
Designed By:	M.J.	Date:	JUNE 26, 2017
Drawn By:	N.B.	Project No.:	1218
Checked By:	M.J.	Scale:	1:300
		Drawing No.:	C002



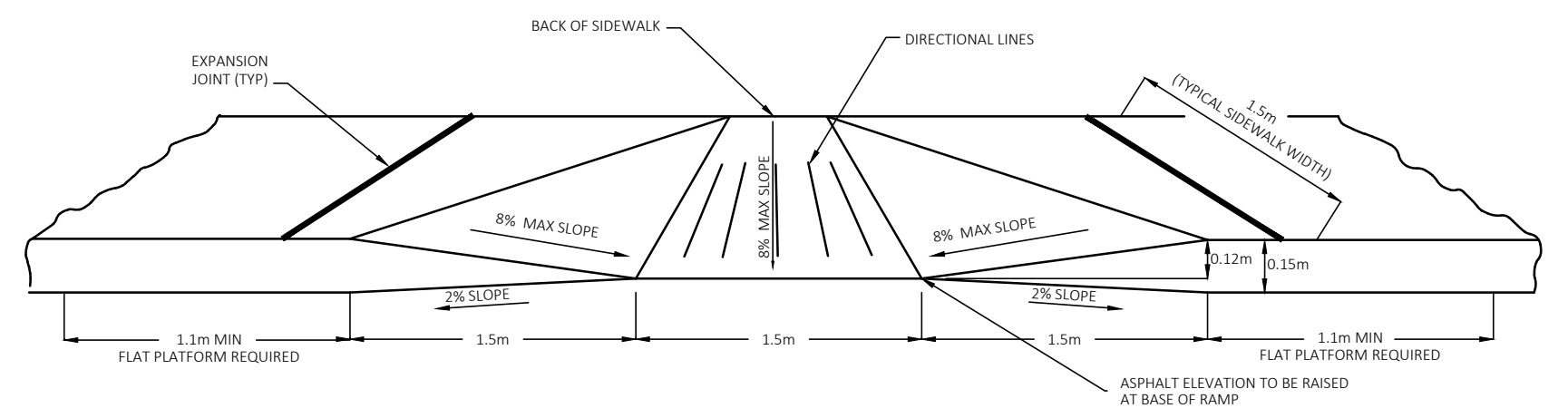
SEWERS OR WATER SERVICE IN SINGLE TRENCH



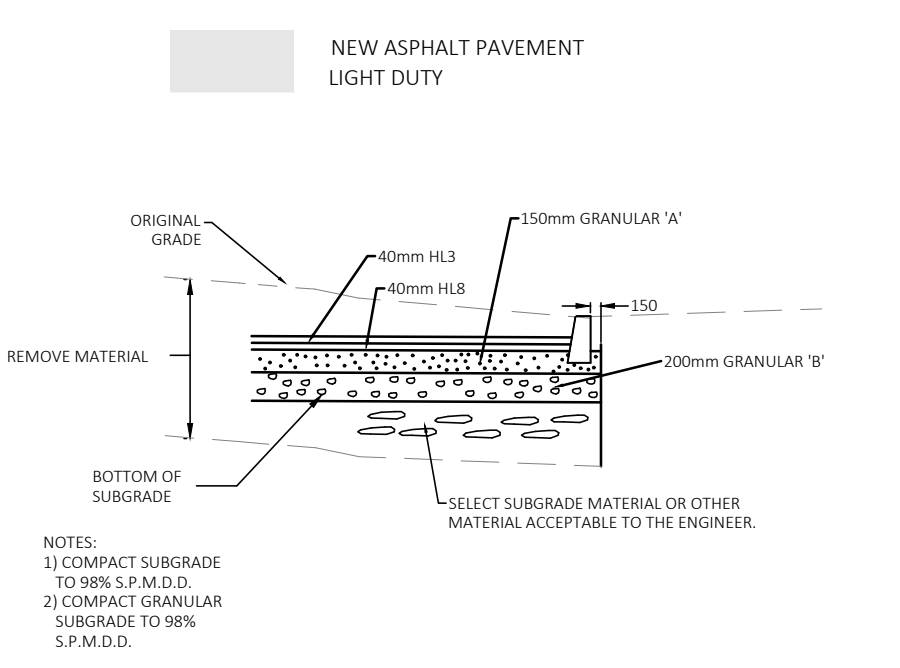
CONCRETE SIDEWALK



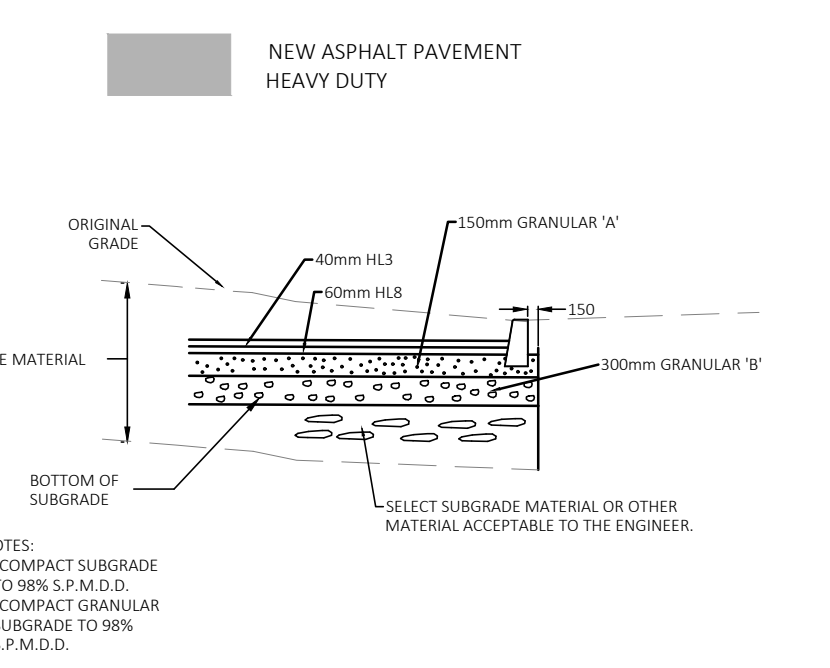
CONCRETE SIDEWALK ADJACENT TO ASPHALT PAVEMENT



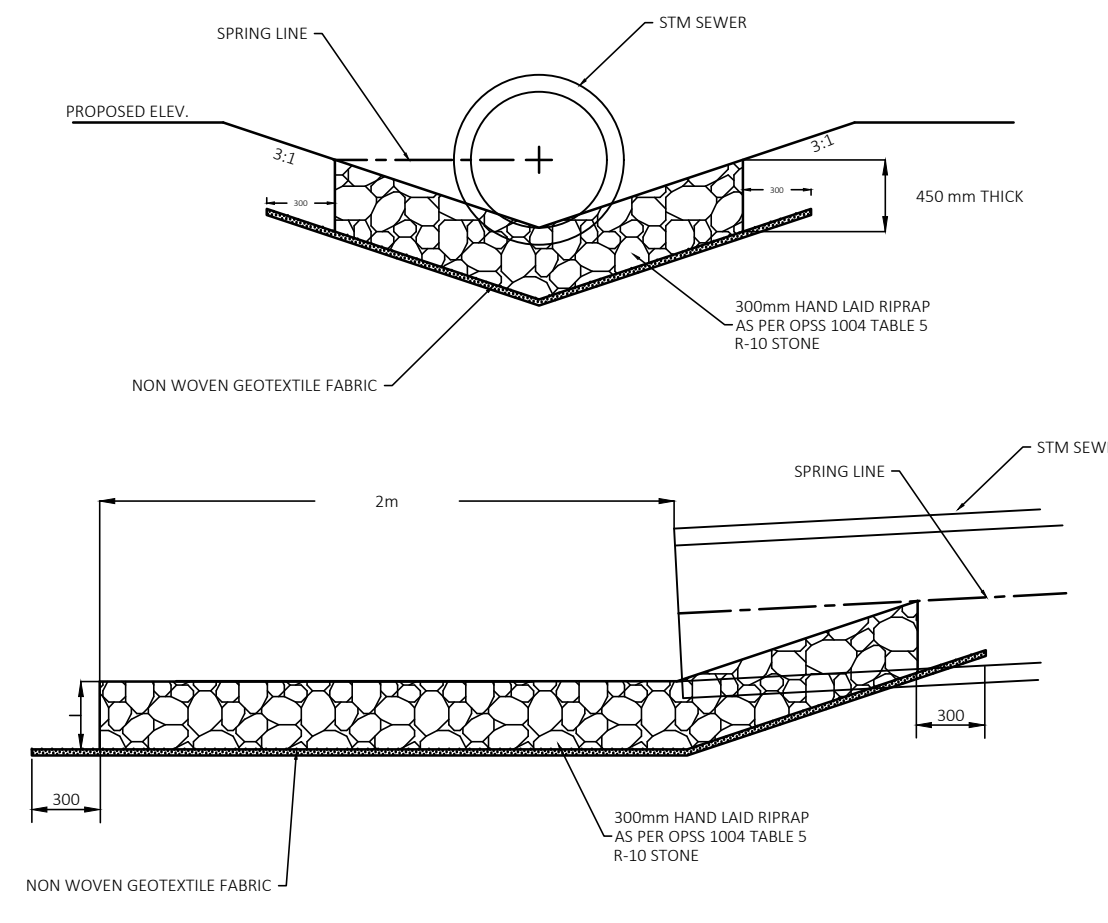
SIDEWALK RAMP DETAIL



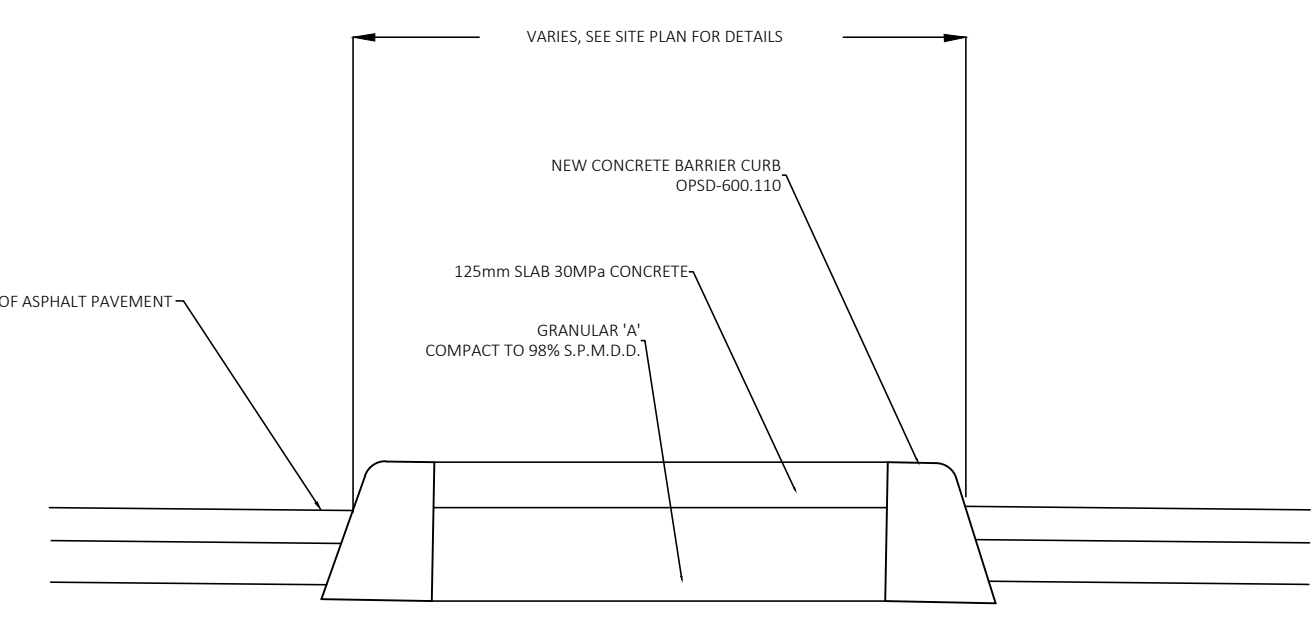
LIGHT DUTY PAVEMENT COMPOSITION WITH CURB



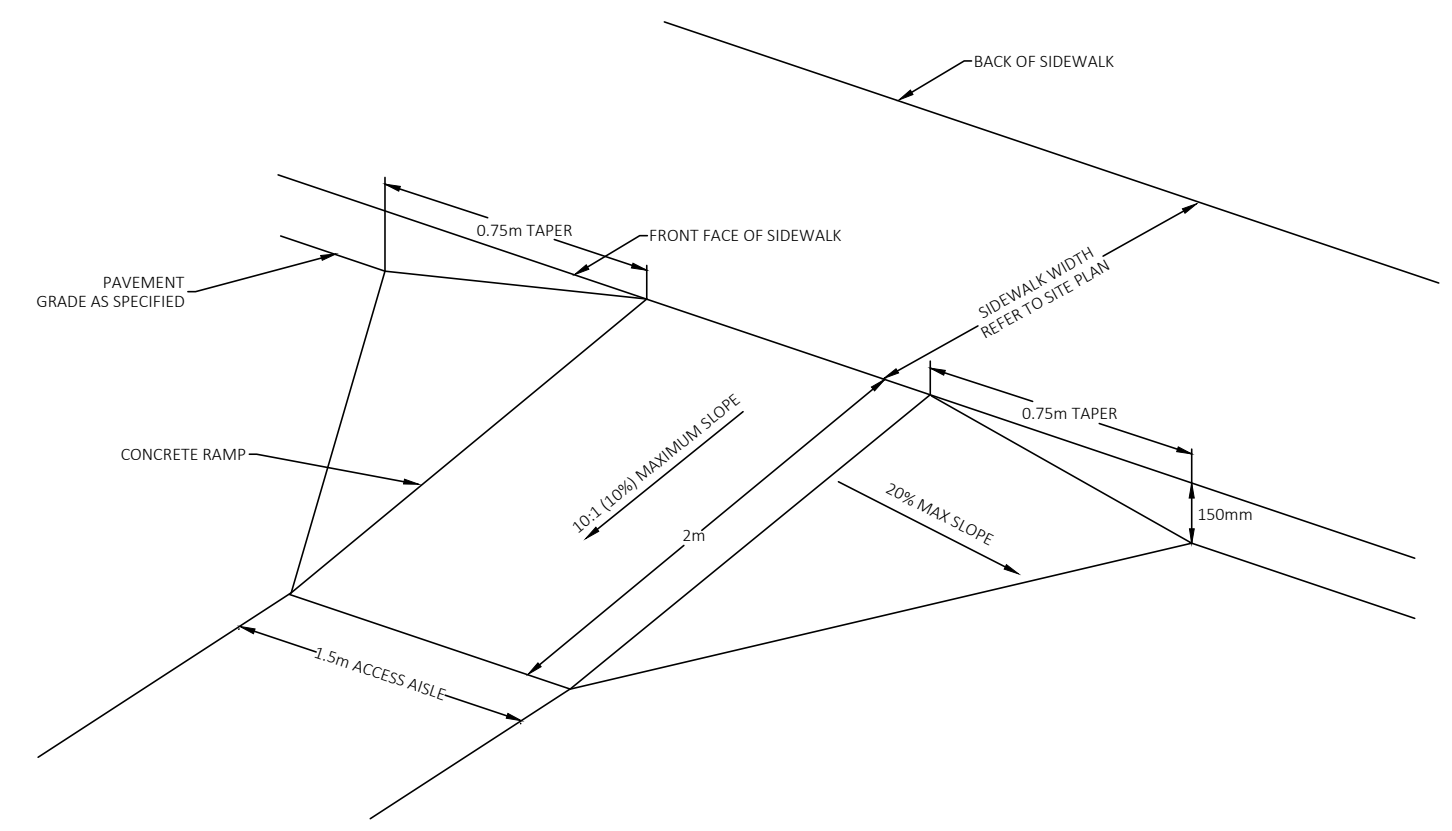
HEAVY DUTY PAVEMENT COMPOSITION WITH CURB



RIP-RAP TREATMENT FOR SEWER



CONCRETE ISLAND DETAIL



ACCESS RAMP DETAIL

- GENERAL NOTES**
- ALL THICKNESS DIMENSIONS ARE AFTER CONSOLIDATION TO 100% STD. PROCTOR DENSITY.
 - SUBGRADE MATERIAL TO BE COMPACTED TO 95% STD. PROCTOR DENSITY.
 - JOINT SPACING
 - JOINTS EVERY 1.5m
 - EXPANSION JOINT - ADJACENT TO STRUCTURES.
 - ALL OTHER JOINTS TO BE CONTRACTION JOINTS WITH A MINIMUM DEPTH OF 30 mm.
- Concrete shall conform to the following:
 Class of Concrete Minimum strength -30 MPa at 28 days
 Coarse Aggregate 19 mm nominal maximum size
 Air Content 6.0% to 8.0%
 Water O.P.S.S. 1302
 Aggregate Cement - Normal Portland Type O.P.S.S. 1301 (SLAG CEMENT NOT ACCEPTABLE)
 Maximum Water/Cement Ratio 0.45
 Maximum Slump 75 mm
 Curing Compound - White Pigmented O.P.S.S. 1315+
- HEAVY DUTY SIDEWALK TO BE CONTINUOUS THROUGH ENTRANCES. INCLUDES 150mm x 150mm STEEL MESH REINFORCEMENT, 200mm CONCRETE THICKNESS AND HANDICAPPED ACCESSIBLE.

- GENERAL NOTES**
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 Maximum Water/Cement Ratio 0.45
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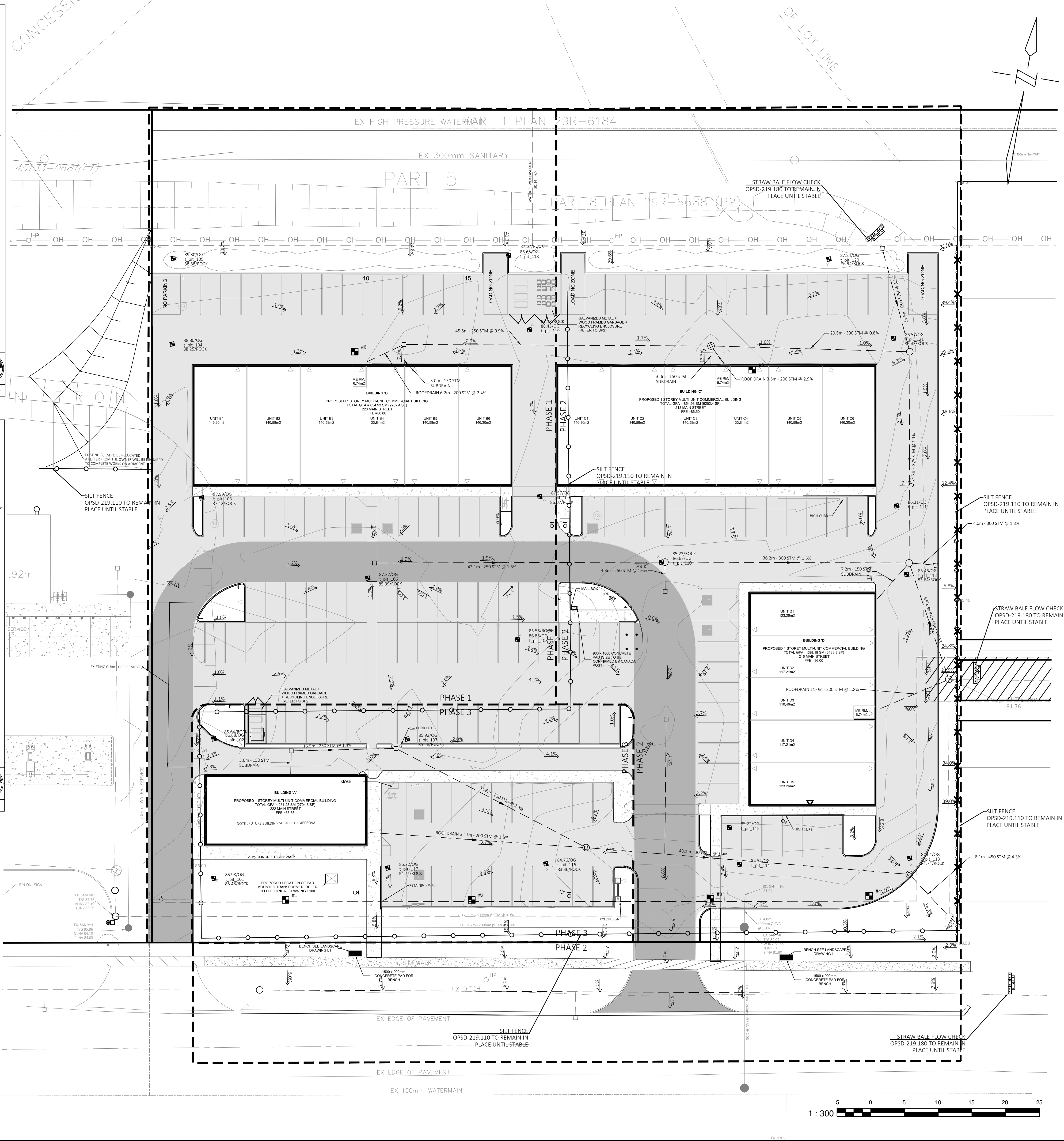
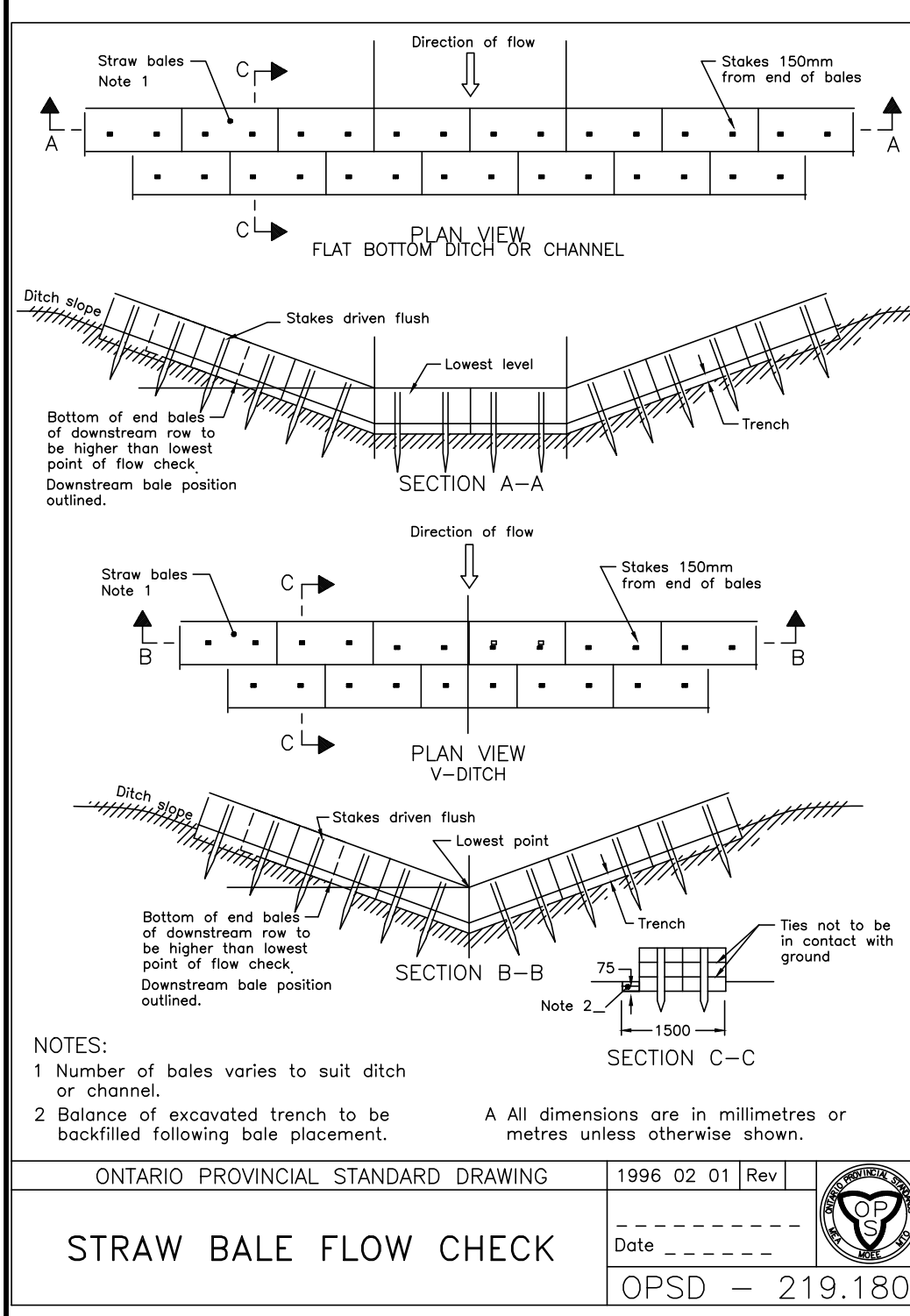
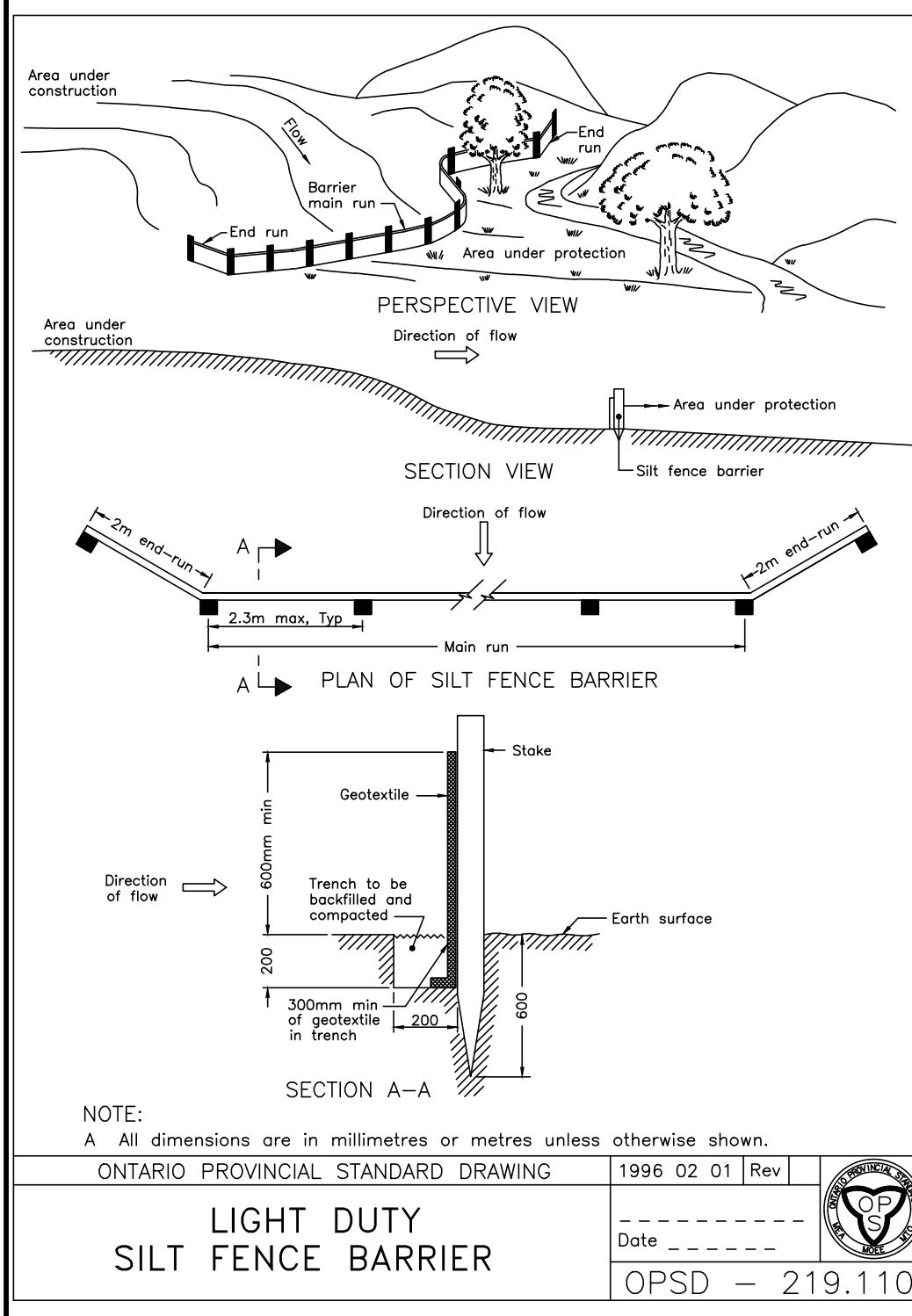
- NOTES**
- ALL CONSTRUCTION AND TESTING SHALL BE IN ACCORDANCE WITH THE ONTARIO PROVINCIAL STANDARDS AS AMENDED AND THE LOYALIST TOWNSHIP DEVELOPMENT GUIDELINES AS AMENDED. WHERE THERE IS A DISCREPANCY BETWEEN THE TWO, LOYALIST TOWNSHIP GUIDELINES SHALL BE USED.
 - WATERMANS
 - WATERMANS TO BE PVC CLASS 150 (DR 18), OR AWWA C909 - MOLECULARLY ORIENTED POLYVINYL CHLORIDE (PVC) SPECIFICATION, PRESSURE CLASS 23.
 - WATERMANS SHALL NOT BE USED AS AN ELECTRICAL GROUND IN NEW BUILDINGS.
 - WATERMANS TO BE EVENLY GRADED, TO MINIMIZE LOCAL HIGH POINTS.
 - ALL WATERMAIN PIPE TO BE CSA CERTIFIED.
 - PVC WATERMAIN
 - TRACER WIRE TO BE 12 GAUGE STRANDED COPPER, PLASTIC COATED TRACER WIRE T.W. 1/2" 75 C 600V OR APPROVED EQUAL.
 - INCLUDE TRACER WIRE AS PER DETAIL OF TRACER WIRE INSTALLATION FOR PVC WATERMAIN ON DETAIL SHEET.
 - INSTALL ONE (1) 7.7 kg MAGNESIUM ANODE ON EVERY VALVE, HYDRANT AND FITTING. ALL THERMITE WELD CONNECTIONS SHALL BE COATED WITH FERRUGINOUS PRIMER AND AN "ODSTON" HANDY CAP OR APPROVED EQUAL.
 - PVC FITTINGS MAY BE USED WITH PVC PIPE.
 - HYDRANTS
 - HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH OPSD 1105.010
 - HYDRANTS TO HAVE 150mm BARREL, WITH TWO 63mm HOSE CONNECTIONS AND ONE 100mm STORZ PUMPER PORT. ALL HYDRANTS TO BE LEFT HAND OPEN (COUNTER - CLOCKWISE).
 - HYDRANTS ARE TO BE MAINTY OT OR MUELLER CENTURY MODEL.
 - HYDRANTS ARE TO BE SUPPLIED BY THE MANUFACTURER AS YELLOW.
 - HYDRANTS TO HAVE CONCRETE SHOCK COLLAR AND LOCATE STATION AS PER UTILITIES KINGSTON FIGURE 2W3.
 - VALVES
 - VALVES SHALL BE RESILIENT SEAT WEDGE TYPE WITH NON-RISING STEM AND 50mm OPERATING NUT. VALVES SHALL BE LEFT HAND OPEN (COUNTER - CLOCKWISE)
 - WATERMANS
 - WATERMANS SHOULD CROSS ABOVE SEWERS WHEREVER POSSIBLE. WHETHER THE WATERMAIN IS ABOVE OR BELOW THE SEWER, A MINIMUM VERTICAL DISTANCE OF 500mm BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF THE SEWER SHOULD BE PROVIDED TO ALLOW FOR PROPER BEDDING AND STRUCTURAL SUPPORT OF THE WATERMAIN AND SEWER PIPE. SUFFICIENT STRUCTURAL SUPPORT FOR THE SEWER PIPES SHOULD BE PROVIDED TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND SETTING. THE LENGTH OF WATER PIPE SHOULD BE CENTERED AT THE POINT OF CROSSING SO THAT JOINTS IN THE WATERMAIN WILL BE EQUIDISTANT AND AS FAR FROM THE SEWER. CROSSING PERFORMANCE SHALL BE TESTED IN ACCORDANCE WITH OPS TOE AND LOYALIST TOWNSHIP SPECIFICATIONS. TESTING AND DISINFECTION SHALL BE IN ACCORDANCE WITH LOYALIST TOWNSHIP WATERMAIN TESTING AND DISINFECTION GUIDELINES.
 - WATER SERVICES
 - WATER SERVICES ARE TO BE 25mm CROSS-LINKED HIGH DENSITY POLYETHYLENE (PEX) AWWA C904, AND CSA B137.5. WITH A MINIMUM WORKING PRESSURE RATING OF 1100 KPa (160 PSI) AT 23°C UNLESS NOTED OTHERWISE, AT A MINIMUM DEPTH OF 1.7 METRES OF COVER.
 - ALL WATER SERVICES ARE TO BE WITHOUT JOINTS BETWEEN THE MAIN AND THE PROPERTY LINE, REGARDLESS OF LENGTH. THERE SHALL BE NO BURIED JOINTS EXCEPT AT THE STREETLINE AT THE SERVICE SET. A 2" ANODE SHALL BE ATTACHED IN ACCORDANCE WITH THE DETAIL ON DRAWING No. 1.
 - MAIN STOPS SHALL BE THE SAME SIZE AS THE SERVICE PIPE, NO LEAD AND SHALL HAVE AN AWWA TAPERED THREADED INLET AND A COMPRESSION JOINT OUTLET. 300 PSI SHALL BE MUELLER (CANADA) 8000N, FORD METER CANADA 8000N OR CAMBRIDGE BRASS 301M.
 - ALL CURB STOPS SHALL BE THE SAME SIZE AS THE SERVICE PIPE AND SHALL BE COMPRESSION JOINT INLET AND OUTLET. 300 PSI BALL STYLE VALVE. CURB STOPS SHALL BE CAMBRIDGE BRASS 202 SERIES, MUELLER B-2500 SERIES OR FORD METER B44 SERIES WITH STAINLESS STEEL RODS.
 - SELF-DRAWING (STOP & DRAIN) TYPE CURB & MAIN STOPS ARE NOT PERMITTED.
 - ALL WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH TOWNSHIP W-16 STANDARD AND INCLUDE A CONCRETE SUPPORT AND ELECTRICAL GROUNDING TAPPING NUTS ON BOTH SIDES FOR THE CONNECTION OF THE TRACER WIRE.
 - ALL MATERIALS SHALL BE CSA APPROVED, AWWA C900 AND NSF 61 COMPLIANT.
 - SANITARY SEWER MAINS
 - SANITARY SEWER MAINS TO BE PVC DR 35 EQUAL TO CSA B142.2, CSA B143.3 OR CSA B137.3.
 - BRANCH CONNECTIONS TO BE PRE-MANUFACTURED (CSA CERTIFIED) UNLESS OTHERWISE SPECIFIED.
 - ALL JOINTS TO BE BELL AND SPIGOT TYPE UNLESS OTHERWISE SPECIFIED.
 - THE SANITARY SEWER SYSTEM AND BEDDING SHALL NOT BE USED FOR DE-WATERING PURPOSES.
 - ALL SANITARY PIPES TO BE TESTED IN ACCORDANCE WITH OPS 410, INCLUDING RUNNING TEST AND LOW PRESSURE AIR TEST.
 - ALL SANITARY SEWER TO BE CSA CERTIFIED.
 - STORM SEWER MAINS AND CATCHBASIN
 - MAINS AND LEADS TO BE REINFORCED CONCRETE 65 (CL 8) OR PVC DR 35, OR POLYETHYLENE (OPSS 1840 AND OPSS 806.02 CLASS 300).
 - ALL JOINTS TO BE BELL AND SPIGOT TYPE UNLESS OTHERWISE SPECIFIED.
 - ALL STORM SEWER PIPES TO BE TESTED IN ACCORDANCE WITH OPS 410. ALL PVC OR PE STORM GETS ROUNDNESS TEST.
 - ALL STORM PIPE TO BE CSA CERTIFIED.
 - STORM SEWER SERVICES
 - STORM SERVICES TO BE 100mm PVC DR 28 WHITE COLOR PIPE (ASTM D 3034) AT MINIMUM 2% GRADIENT WITH A MINIMUM OF 2.0m COVER AT PROPERTY LINE UNLESS NOTED OTHERWISE. IF THE MINIMUM COVER CANNOT BE ACHIEVED, THEN THE COVER SHALL BE AS MUCH AS CAN BE ACHIEVED. MAXIMUM COVER IS 2.3m.
 - RAINWATER LEADERS SHALL BE SEPARATE SERVICES FROM ANY FOUNDATION DRAINAGE TO AVOID SURCHARGING.
 - SANITARY SEWER SERVICES
 - SANITARY SEWER SERVICES TO BE 120mm PVC DR 28 GREEN COLOR PIPE (ASTM D 3034) AT MINIMUM 2% GRADIENT WITH A MINIMUM OF 2.40m COVER AT PROPERTY LINE UNLESS NOTED OTHERWISE. IN ACCORDANCE WITH LOYALIST TOWNSHIP SPECIFICATIONS, ONLY LONG RADIIUS BENDS ARE ACCEPTABLE. IF THE MINIMUM COVER CANNOT BE ACHIEVED, THEN THE COVER SHALL BE AS MUCH AS CAN BE ACHIEVED.
 - ALL LATERALS SHALL BE RUN PARALLEL INTO THE PROPERTY LINE OR ANGLED TOWARDS THE HOUSE. IF SWAGES ARE REQUIRED TO LINE THE SERVICE THEY SHOULD BE LOCATED ON THE MUNICIPAL SIDE OF THE SERVICE.
 - THE INSTALLATION OF ANY NEW PIPES INTO EXISTING MANHOLES SHALL BE BY CORING AND SANITARY MANHOLES SHALL INCLUDE THE INSTALLATION OF A LINK-SEAL ADJUSTABLE FROM THE INSIDE OF THE STRUCTURE. SEE DRAWING S4-LINK-SEAL FOR A CAST/COLED HOLE ON DETAIL SHEET.
 - MANHOLES
 - MANHOLES TO BE 1200mm DIAMETER PRECAST CONCRETE OPSS 701.010 UNLESS NOTED OTHERWISE.
 - SANITARY MANHOLES TO HAVE FRAME AND COVER OPSS 401.01 TYPE 'A' (CLOSED COVER). SANITARY MANHOLES TO BE BENCH IN ACCORDANCE WITH OPS SPECIFICATIONS.
 - SANITARY MANHOLES TO HAVE 20mm BUSHY MASTIC (EZ STICK) APPLIED TO ALL JOINTS, IN ADDITION TO STANDARD RUBBER GASKET.
 - THE ROOT CONNECTIONS TO HAVE TWO RUBR CLAMPS TO TIGHTEN TO THE PIPE. THE CONTRACTOR IS TO DEMONSTRATE TO THE INSPECTOR THAT ALL RUBR CLAMPS HAVE BEEN PROPERLY TIGHTENED BEFORE BACKFILLING.
 - SANITARY MANHOLES TO HAVE DRAP PROOFING SYSTEM MAISON BLEUSIN SA SELF ADHESIVE WATER PROOFING USED IN CONJUNCTION WITH BLUESIN ADHESIVE (PRIMER) OR BITUMINOUS EQUIVALENT, AROUND EVERY JOINT A MINIMUM 300mm ABOVE AND BELOW THE JOINT.
 - STORM MANHOLES TO HAVE FRAME AND COVER OPSS 401.01 TYPE 'B' (OPEN COVER). HEAVY GAUGE POLYURETHANE IS TO BE PLACED UNDER THE STORM COVER UNTIL THE BASE COURSE OF ASPHALT IS APPLIED. MANHOLES TO BE BENCH IN ACCORDANCE WITH OPS DETAILS. STORM CATCHBASIN MANHOLES TO HAVE 600mm SLUMP.
 - SANITARY MANHOLES TO HAVE MAXIMUM 3 ADJUSTMENT UNITS.
 - THE INSTALLATION OF ANY NEW PIPES INTO NON-CAST HOLES SHALL BE BY CORING. LINK SEAL UNITS ARE TO BE UTILIZED FOR ALL SANITARY MANHOLES WITHOUT ROOTS.
 - CATCHBASINS
 - SINGLE CATCHBASINS TO BE OPSS 705.010, DOUBLE CATCHBASINS TO BE OPSS 705.020.
 - ROAD CATCHBASINS TO HAVE A DRAINAGE OVERTOPPING SURROUND AND WEET HOLES AS PER DETAIL ON DETAIL DRAWING SHEET.
 - FRAMES AND GRATES TO BE OPSS 400.010 UNLESS NOTED OTHERWISE.
 - CATCHBASINS TO HAVE MAXIMUM 3 ADJUSTMENT UNITS.
 - SEWER AND WATERMAIN BEDDING SHALL BE IN ACCORDANCE WITH OPSD 820 SERIES. BEDDING AND COVER SHALL CONFORM TO GRANULAR 'A' AS PER OPSD SPECIFICATIONS.
 - ALL SIDEWALKS SHALL BE RAMPED AT INTERSECTIONS IN ACCORDANCE WITH OPSD 310.033. TACTILE PLATES SHALL BE CAST IRON IN ACCORDANCE WITH OPSD 310.039.
 - REGARDLESS OF SITE SPECIFIC ITEMS DETAILED ON THE PLANS, THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SUIT THE PROPOSED WORK METHODS TO CONTROL SEDIMENT FROM RUNNING OFF THE SITE PRIOR TO ANY DISTURBANCE. FOLLOWING CONSTRUCTION, DISTURBED AREAS, AS WELL AS PROPOSED GRASSES AND VEGETATED SURFACES, SHALL BE REVEGETATED AS SOON AS PRACTICAL.
 - IF DURING THE PERIODS OF DEVELOPMENT, BURIED OR UNDETECTED ARCHAEOLOGICAL REMAINS ARE UNCOVERED, THE DEVELOPER OR AGENTS SHALL IMMEDIATELY NOTIFY THE ARCHAEOLOGY SECTION OF THE ONTARIO MINISTRY OF CULTURE, TOURISM AND RECREATION.
 - IN THE EVENT THAT HUMAN REMAINS ARE DISCOVERED DURING CONSTRUCTION, THE PROPONENT SHALL IMMEDIATELY CONTACT BOTH MITC, AND THE REGIONAL OR COUNTY REGULATORY OFFICER OF THE ENVIRONMENTAL REGULATION UNIT OF THE MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (416) 326-8392.
 - THE CONTRACTOR SHALL NOTIFY THE UTILITIES DEPARTMENT AND ALL RESIDENTS WITHIN 120m OF BLASTING OPERATIONS. 48 HOURS PRIOR TO BLASTING, BLASTING SHALL NOT TAKE PLACE UNTIL THIS HAS BEEN CARRIED OUT. BLASTING WITHIN 20m OF EXISTING INFRASTRUCTURE (HIGH PRESSURE WATERMAIN AND SANITARY TRUNK SEWER) ALONG NORTH LIMIT OF THE PROPERTY WILL NOT BE PERMITTED.
 - A VIBRATION PLAN SHALL BE PROVIDED FOR THE SITE PRIOR TO CONSTRUCTION.
 - EROSION AND SEDIMENT CONTROLS
 - ALL EROSION AND SEDIMENT CONTROLS MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MONITORED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS UNTIL ALL DISTURBED AREAS HAVE BEEN REVEGETATED BY THE CONTRACTOR.
 - ALL DISTURBED AREAS SHALL BE REVEGETATED WITH PERMANENT COVER IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.
 - THE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE REMOVED ONCE THE SITE HAS BEEN STABILIZED/COMPLETION OF SITE WORKS.
 - WATERMAIN TESTING SHALL BE IN ACCORDANCE WITH LOYALIST TOWNSHIP - WATER DISTRIBUTION SYSTEM NEW CONSTRUCTION - TESTING REQUIREMENTS (SEE SPECIFICATIONS).
 - APPROVED FIRE HOSE SIGNS WILL BE REQUIRED TO BE ERECTED ALONG THE PROPOSED FIRE ROUTE PRIOR TO OCCUPANCY.
 - REMOVE EXISTING ENTRANCES, CULVERTS, AND SIDEWALKS ETC. IN BOULEVARD AREA OF MAIN STREET THAT ARE NO LONGER IN USE.
 - ANY DISTURBED AREAS NOT ACTIVELY UNDER CONSTRUCTION SHALL BE LEVELLED AND SEEDED WITHIN 45 DAYS.

No.	By	Date	Revision	Checked
3	NB	MAY 17, 2018	ISSUED FOR SPA	MJ
2	NB	MARCH 7, 2018	ISSUED FOR COORDINATION	MJ
1	NB	JANUARY 3, 2018	ISSUED FOR SPA	MJ

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OWNER:	MAIN STREET PLAZA CORPORATION		
PROJECT:	MAIN STREET - BATH		
DRAWING TITLE:	DETAILS		
Designed By:	M.J.	Date:	JUNE 26, 2017
Drawn By:	N.B.	Project No.:	1218
Checked By:	M.J.	Scale:	NOT TO SCALE
		Drawing No.:	C003



- NOTES
- DURING CONSTRUCTION, THE STRAW BALE BARRIER IS TO BE INSPECTED DAILY, AND REPAIRED AS NECESSARY TO CONTAIN ANY SEDIMENT. THIS REQUIREMENT SHALL CONTINUE UNTIL CONSTRUCTION ON THE SITE IS COMPLETE, FOLLOWING WHICH THE CONTRACTOR SHALL INSPECT THE BARRIER AS NECESSARY TO MAINTAIN ITS FUNCTION. THE OWNER SHALL REMOVE THE BARRIER ONCE THE SITE VEGETATION HAS BEEN WELL ESTABLISHED.
 - REGARDLESS OF SITE SPECIFIC ITEMS DETAILED ON THE PLANS, THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN. THE CONTRACTOR SHALL CONTROL SEDIMENT FROM RUNNING OFF OF THE SITE. FOLLOWING CONSTRUCTION, DISTURBED AREAS, AS WELL AS PROPOSED GRASSED AND VEGETATED SURFACES, SHALL BE REINSTATED AS SOON AS PRACTICAL.
 - WHILE UNDERTAKING CLEARING, DEMOLITION, EXCAVATION OR CONSTRUCTION IN AREAS WHERE DWELLINGS OR OTHER STRUCTURES MAY HAVE HISTORICALLY EXISTED, THE CONTRACTOR IS TO BE VIGILANT FOR THE POTENTIAL PRESENCE OF UNDERGROUND FUEL TANKS, POTENTIALLY CONTAMINATED SOIL OR GROUNDWATER, OR ABANDONED WATER WELLS. IF ANY OF THE ABOVE ARE ENCOUNTERED, THE CONTRACTOR SHALL ENSURE THAT:
 - ANY GARBAGE, DEMOLITION WASTES OR OTHER MISCELLANEOUS SOLID WASTES ENCOUNTERED ARE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS OF ONTARIO REGULATION 347 AS AMENDED;
 - ANY ABANDONED FUEL TANKS ENCOUNTERED ARE DECOMMISSIONED IN ACCORDANCE WITH THE ENERGY ACT OR GASOLINE HANDLING ACT, AS APPROPRIATE;
 - ANY CONTAMINATED SOILS OR GROUND WATER IS PROPERLY CHARACTERIZED AND REMEDIATED IN ACCORDANCE WITH THE MINISTRY OF THE ENVIRONMENT GUIDELINE FOR USE AT CONTAMINATED SITES IN ONTARIO, AS AMENDED; AND
 - ANY UNUSED WATER WELLS ARE PROPERLY ABANDONED IN ACCORDANCE WITH ONTARIO REGULATION 303-WELLS.
 - SILT FENCES (OPSD 219.010) ARE TO BE INSTALLED WHEREVER THERE IS A POSSIBILITY OF RUNOFF FROM THE CONSTRUCTION SITE ONTO ADJACENT STREETS OR PROPERTIES. THESE SILT FENCES ARE TO BE MAINTAINED DURING CONSTRUCTION, AND UNTIL A GOOD GROWTH OF VEGETATION IS OBTAINED ON ALL GRASSED AREAS, AND UNTIL THE NEW HARD SURFACED AREAS ARE CONSTRUCTED.
 - ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE REINSTATED AS SOON AS POSSIBLE. DAMAGE TO EXISTING VEGETATED AREAS IS TO BE MINIMIZED BY FENCING THE WORK AREA, TO MAINTAIN CONSTRUCTION ACTIVITIES TO THE PRE-DEFINED AREAS.
 - STOCKPILES OF EXCAVATED MATERIAL, OR STOCKPILED GRANULARS, ARE TO BE LOCATED TO MINIMIZE THE POSSIBILITY OF RUNOFF BEYOND THE CONSTRUCTION ZONE. SILT FENCES MAY BE REQUIRED TO CONTAIN RUNOFF FROM STOCKPILES.
 - ALL CONSTRUCTION ENTRANCES TO CONFORM TO CONSTRUCTION ENTRANCE DETAIL.
 - PRECAUTIONS MUST BE TAKEN TO ENSURE THAT CONSTRUCTION VEHICLES AND MATERIALS DON'T DISTURB THE DRIVING OR ROAD QUALITY OF THE MUNICIPAL STREET WHEN ENTERING OR EXITING THE SITE DURING CONSTRUCTION. THE MUNICIPAL ROADWAYS ARE REQUIRED TO BE KEPT CLEAN OF DEBRIS AND ALL OTHER DELETERIOUS CONSTRUCTION MATERIALS. ADJACENT STREETS ARE TO BE POWER SWEEP ON A REGULAR BASIS TO REMOVE TRACKED MUD FROM THE CONSTRUCTION SITE.
 - FOR TREE PROTECTION REFER TO LANDSCAPE PLANS.

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OWNER:	MAIN STREET PLAZA CORPORATION						
PROJECT:	MAIN STREET - BATH						
DRAWING TITLE:	EROSION AND SEDIMENT CONTROL PLAN						
Designed By:	M.J.	Date:	JUNE 26, 2017	Project No.	1218	Drawing No.	C004
Drawn By:	N.B.	Scale:	1:300				
Checked By:	M.J.						