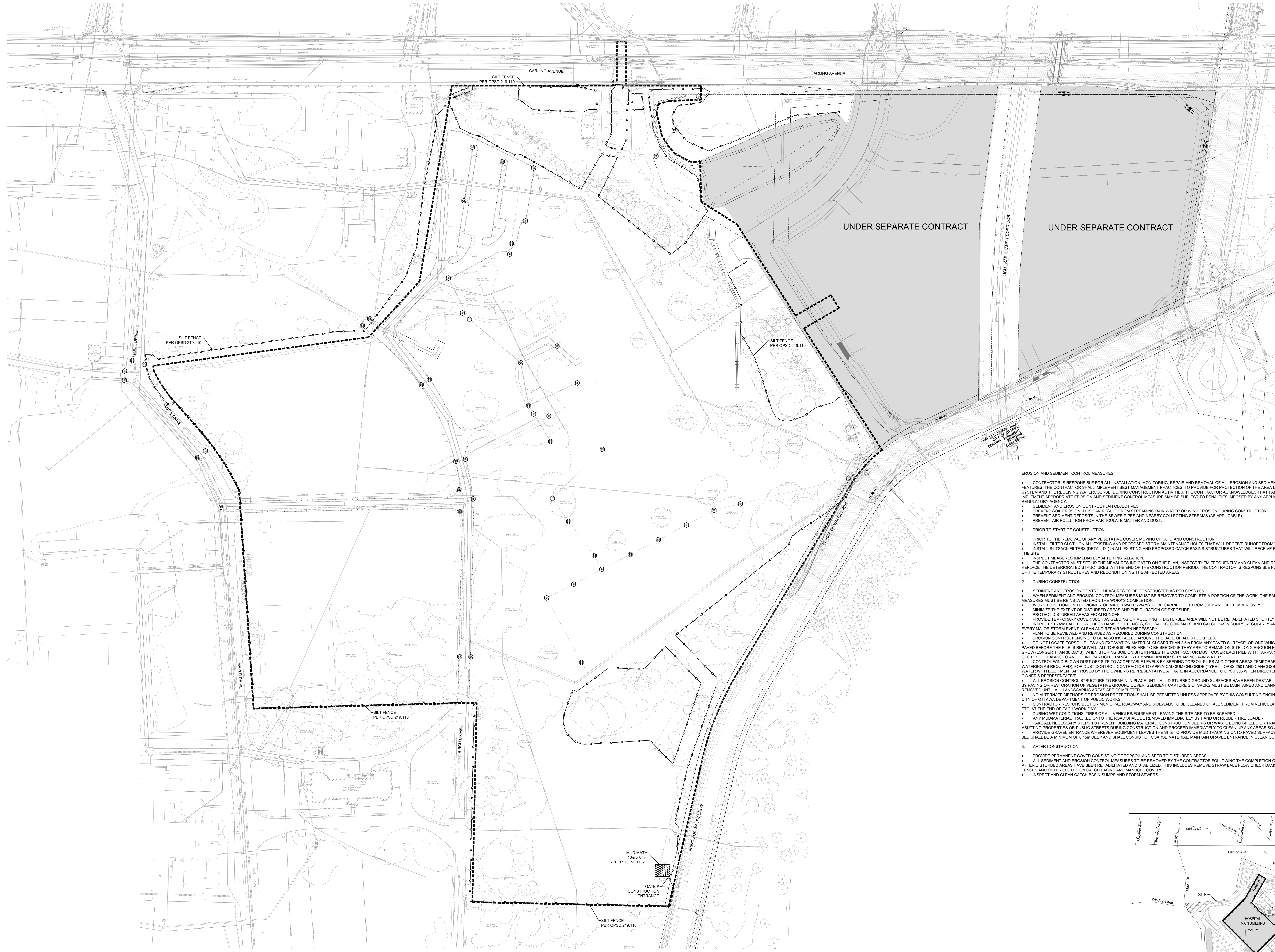


THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

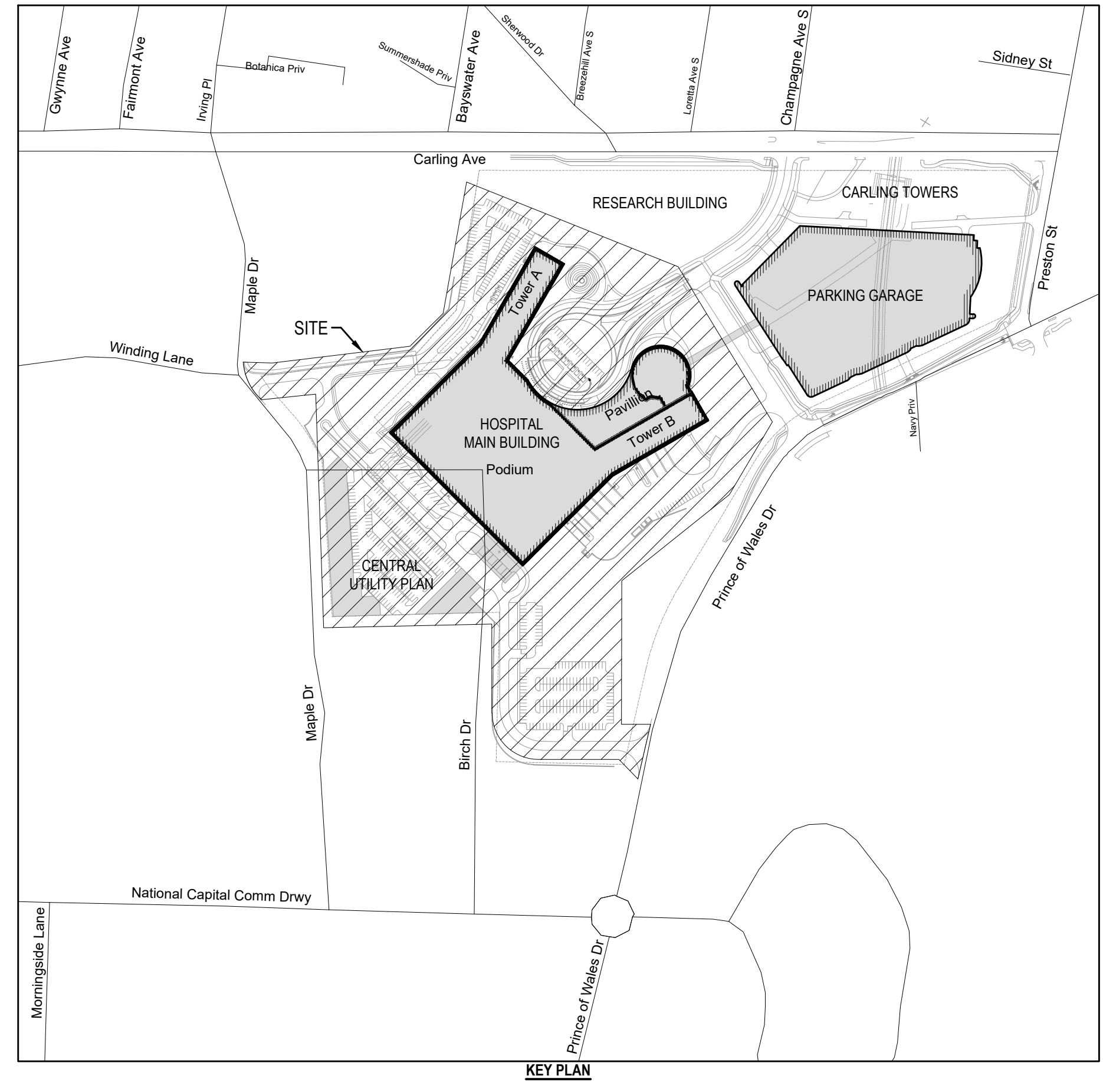
DRAFT



LEGEND

---	BELL
---	GAS
---	HYDRO
---	STREETLIGHT
---	TELUS
---	TRAFFIC
---	STORM
---	BANINARY
---	WATER
---	TREE PRESERVATION FENCE
---	BY OTHER
---	CONSTRUCTION FENCE
---	SILT FENCE
---	STRAW BALE CHECK DAM
---	ROCK FLOW CHECK DAM
---	CONTRACTOR HAWK - CONSTRUCTION STAGING AND LAYDOWN AREA
---	CONSTRUCTION STAGING AND LAYDOWN AREA
---	LIGHT VEHICLE / WORKER ACCESS ROAD

- EROSION AND SEDIMENT CONTROL MEASURES:**
- CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURE MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
 - SEDIMENT AND EROSION CONTROL PLAN OBJECTIVES:
 - PREVENT SOIL EROSION. THIS CAN RESULT FROM STREAMING RAIN WATER OR WIND EROSION DURING CONSTRUCTION.
 - PREVENT SEDIMENT DEPOSITS IN THE SEWER PIPES AND NEARBY COLLECTING STREAMS (AS APPLICABLE).
 - PREVENT AIR POLLUTION FROM PARTICULATE MATTER AND DUST.
- 1. PRIOR TO START OF CONSTRUCTION:**
- PRIOR TO THE REMOVAL OF ANY VEGETATIVE COVER, MOVING OF SOIL, AND CONSTRUCTION
 - INSTALL FILTER CLOTH ON ALL EXISTING AND PROPOSED STORM MAINTENANCE HOLES THAT WILL RECEIVE RUNOFF FROM THE SITE.
 - INSTALL SILTSACK FILTERS (DETAIL D1) IN ALL EXISTING AND PROPOSED CATCH BASIN STRUCTURES THAT WILL RECEIVE RUNOFF FROM THE SITE.
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION
 - THE CONTRACTOR MUST SET UP THE MEASURES INDICATED ON THE PLAN. INSPECT THEM FREQUENTLY AND CLEAN AND REPAIR OR REPLACE THE DETERIORATED STRUCTURES. AT THE END OF THE CONSTRUCTION PERIOD, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF THE TEMPORARY STRUCTURES AND RECONDITIONING THE AFFECTED AREAS.
- 2. DURING CONSTRUCTION:**
- SEDIMENT AND EROSION CONTROL MEASURES TO BE CONSTRUCTED AS PER OPSD 805.
 - WHEN SEDIMENT AND EROSION CONTROL MEASURES MUST BE REMOVED TO COMPLETE A PORTION OF THE WORK, THE SAME MEASURES MUST BE REINSTALLED UPON THE WORK'S COMPLETION.
 - WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS TO BE CARRIED OUT FROM JULY AND SEPTEMBER ONLY.
 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE.
 - PROTECT DISTURBED AREAS FROM RUNOFF.
 - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED SHORTLY.
 - INSPECT STRAW BALE FLOW CHECK DAMS, SILT FENCES, SILT SACKS, COIR MATS, AND CATCH BASIN SLUMPS REGULARLY AND AFTER EVERY MAJOR STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
 - PLAN TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
 - EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
 - DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.0M FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS). WHEN STORING SOIL ON SITE IN PILES THE CONTRACTOR MUST COVER EACH PILE WITH TARPIS, STRAW OR A GEOTEXTILE FABRIC TO AVOID FINE PARTICLE TRANSPORT BY WIND AND/OR STREAMING RAIN WATER.
 - CONTROL WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED). FOR DUST CONTROL, CONTRACTOR TO APPLY CALCIUM CHLORIDE (TYPE I - OPSD 2501 AND CAN/CSG5-15-1) AND WATER WITH EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE AT RATE IN ACCORDANCE TO OPSD 506 WHEN DIRECTED BY OWNER'S REPRESENTATIVE.
 - ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN DESTABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER. SEDIMENT CAPTURE, SILT SACKS MUST BE MAINTAINED AND CANNOT BE REMOVED UNTIL ALL LANDSCAPING AREAS ARE COMPLETED.
 - NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVES BY THIS CONSULTING ENGINEER AND THE CITY OF OTTAWA DEPARTMENT OF PUBLIC WORKS.
 - CONTRACTOR RESPONSIBLE FOR MUNICIPAL ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING ETC. AT THE END OF EACH WORK DAY.
 - DURING MEET CONDITIONS, TREES OR ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
 - ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
 - TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
 - PROVIDE GRAVEL ENTRANCE WHEREVER EQUIPMENT LEAVES THE SITE TO PROVIDE MUD TRACKING ONTO PAVED SURFACES. GRAVEL BED SHALL BE A MINIMUM OF 0.15M DEEP AND SHALL CONSIST OF COARSE MATERIAL. MAINTAIN GRAVEL ENTRANCE IN CLEAN CONDITION.
- 3. AFTER CONSTRUCTION:**
- PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREAS.
 - ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE REMOVED BY THE CONTRACTOR FOLLOWING THE COMPLETION OF WORK AND AFTER DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILIZED. THIS INCLUDES REMOVE STRAW BALE FLOW CHECK DAMS, SILT FENCES AND FILTER CLOTHS ON CATCH BASINS AND MANHOLE COVERS.
 - INSPECT AND CLEAN CATCH BASIN SLUMPS AND STORM SEWERS.



Project Manager	MB
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JFH/Fah
Civil Engineer	ESB
Structural Engineer	ESB
Mechanical Engineer	ESB
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Equipment Planner	Interior Designer
Wayfindings	Collins

Sheet Reviewer	PARSONS
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MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & TULCA - 1ST SUBMISSION

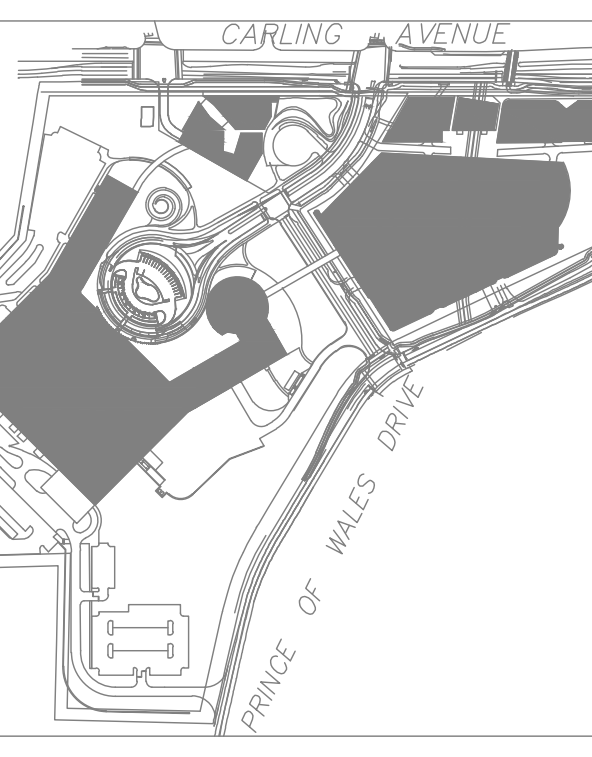
Project Number	1033382
Original Issue	04/02/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
**EROSION AND
SEDIMENT CONTROL
PLAN**

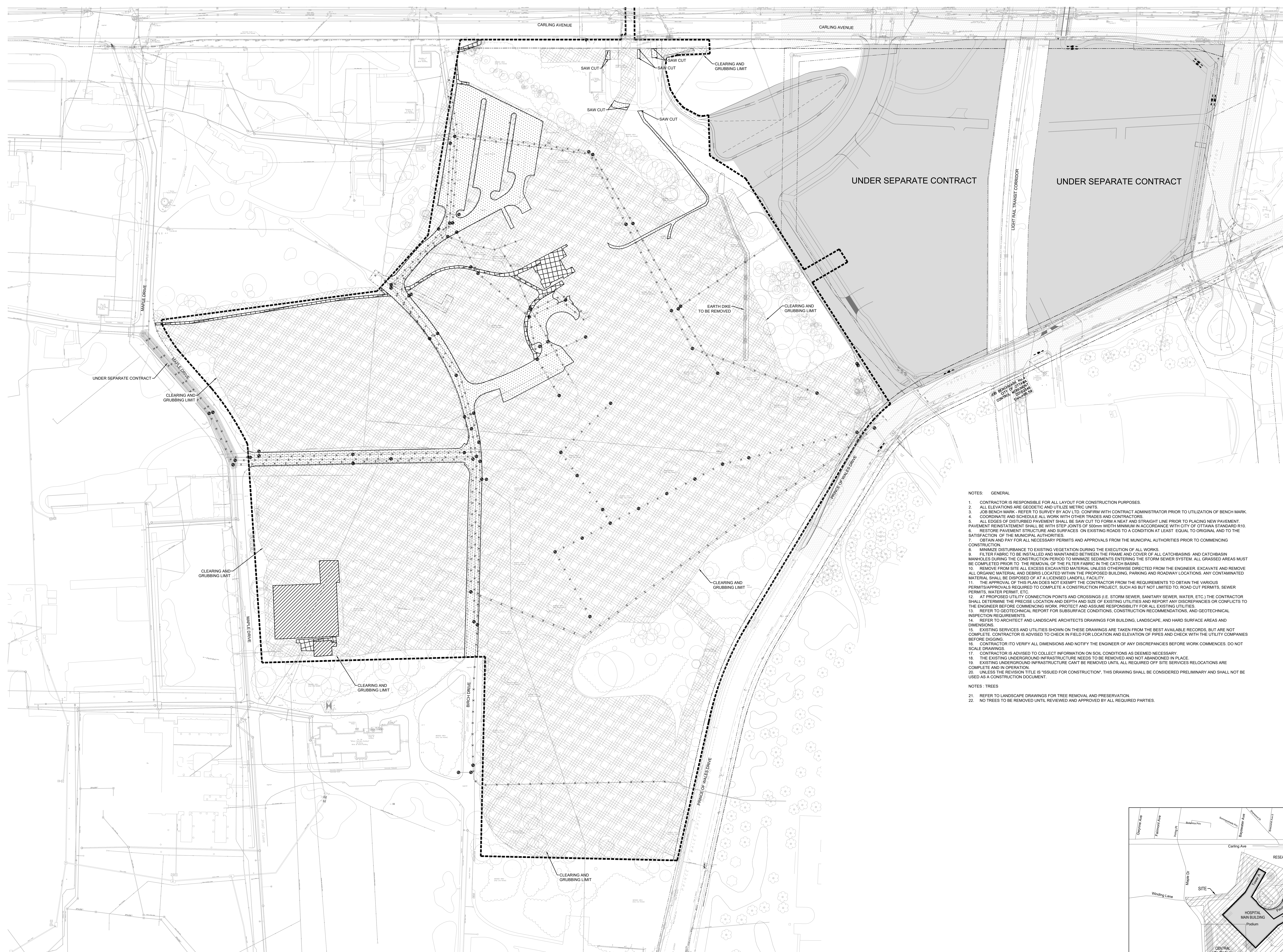
Sheet Number
C001

Project Status
STAGE 3



**THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP**

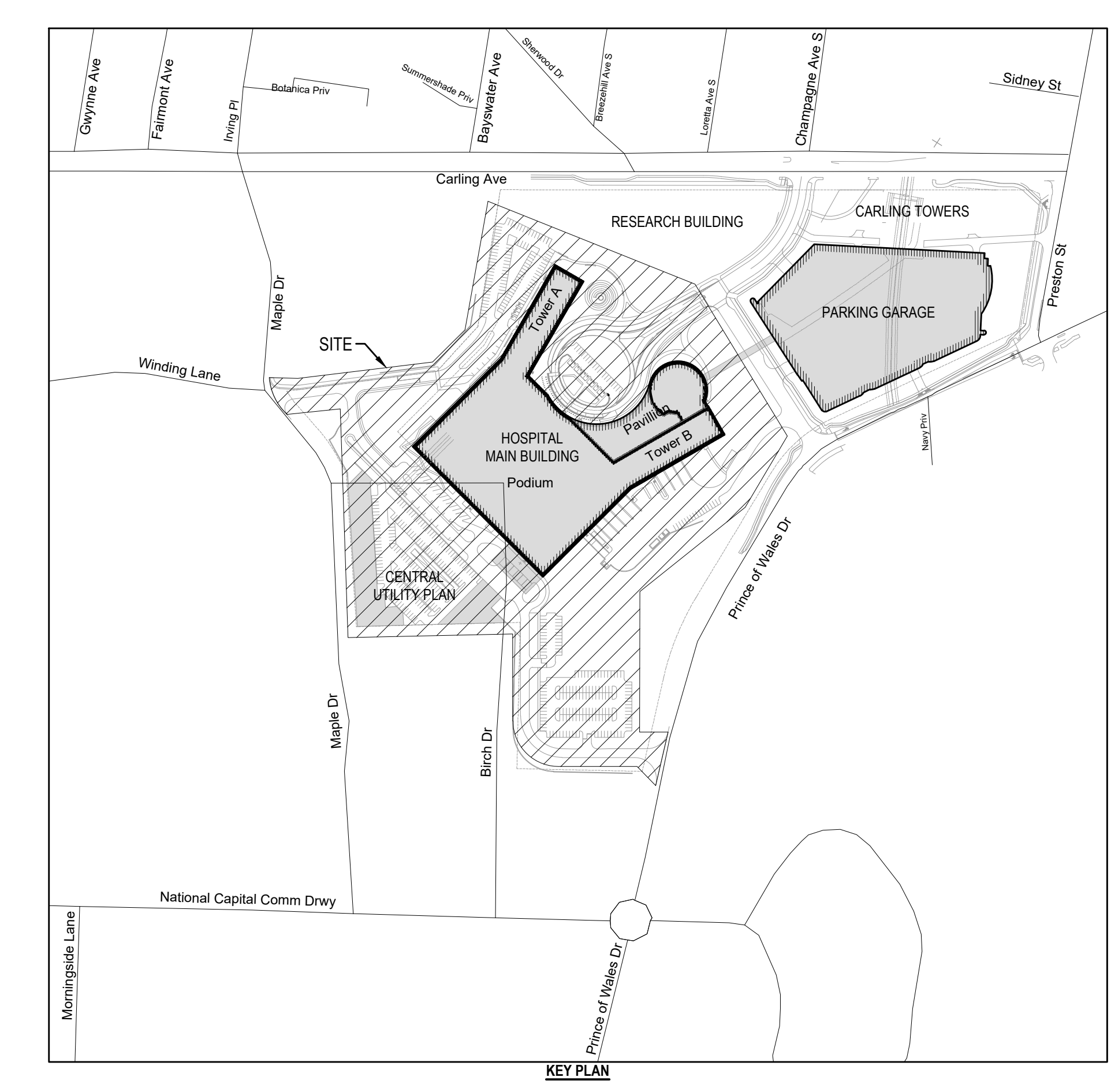
DRAFT



LEGEND

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[Symbol]	GAS
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[Symbol]	STREET LIGHTING
[Symbol]	TELUS
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[Symbol]	STORM
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[Symbol]	REMOVE
[Symbol]	ADJUSTMENT CATCHBASIN
[Symbol]	ADJUSTMENT MAINTENANCE HOLE
[Symbol]	REMOVE SEWER OR WATERMAIN
[Symbol]	ABANDON SEWER OR WATERMAIN
[Symbol]	CURB REMOVAL
[Symbol]	FENCE REMOVAL
[Symbol]	CONCRETE REMOVALS
[Symbol]	ASPHALT REMOVAL
[Symbol]	AREA TO BE CLEARED AND GRUBBED
[Symbol]	BUILDING TO BE REMOVED

- NOTES - GENERAL**
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 - JOB BENCH MARK - REFER TO SURVEY BY ADULTO. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R10.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENT ENTERING THE STORM SEWER SYSTEM. ALL GRASSY AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES.
 - REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 - REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 - EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT ARE NOT COMPLETE. CONTRACTOR IS ADVISED TO CHECK IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
 - CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
 - THE EXISTING UNDERGROUND INFRASTRUCTURE NEEDS TO BE REMOVED AND NOT ABANDONED IN PLACE.
 - EXISTING UNDERGROUND INFRASTRUCTURE CAN'T BE REMOVED UNTIL ALL REQUIRED OFF SITE SERVICES RELOCATIONS ARE COMPLETE AND IN OPERATION.
 - UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THIS DRAWING SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
- NOTES - TREES**
- REFER TO LANDSCAPE DRAWINGS FOR TREE REMOVAL AND PRESERVATION.
 - NO TREES TO BE REMOVED UNTIL REVIEWED AND APPROVED BY ALL REQUIRED PARTIES.



Project Manager	MB
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JFF/Fah
Civil Engineer	EVO
Structural Engineer	EVO
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Wayfinding	Collins

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

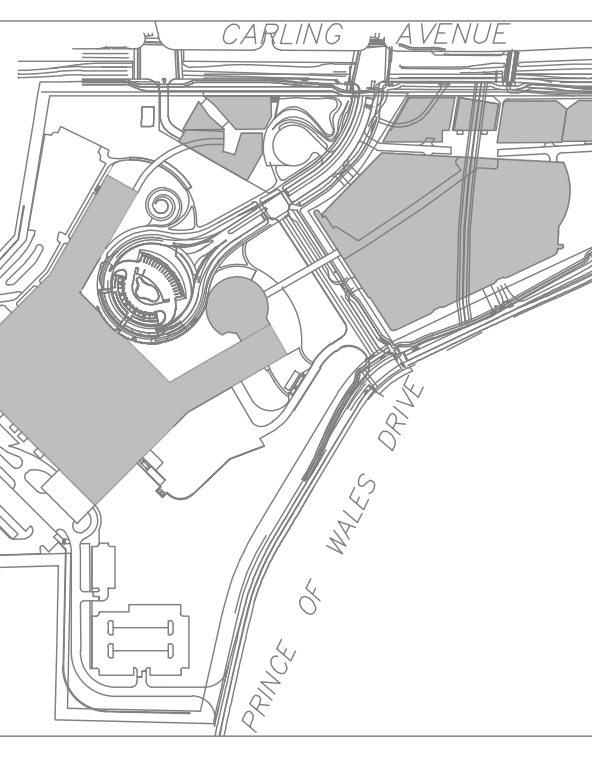
Project Number: 1033382
Original Issue: 04/2/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name: **REMOVALS**

Sheet Number: **C002**

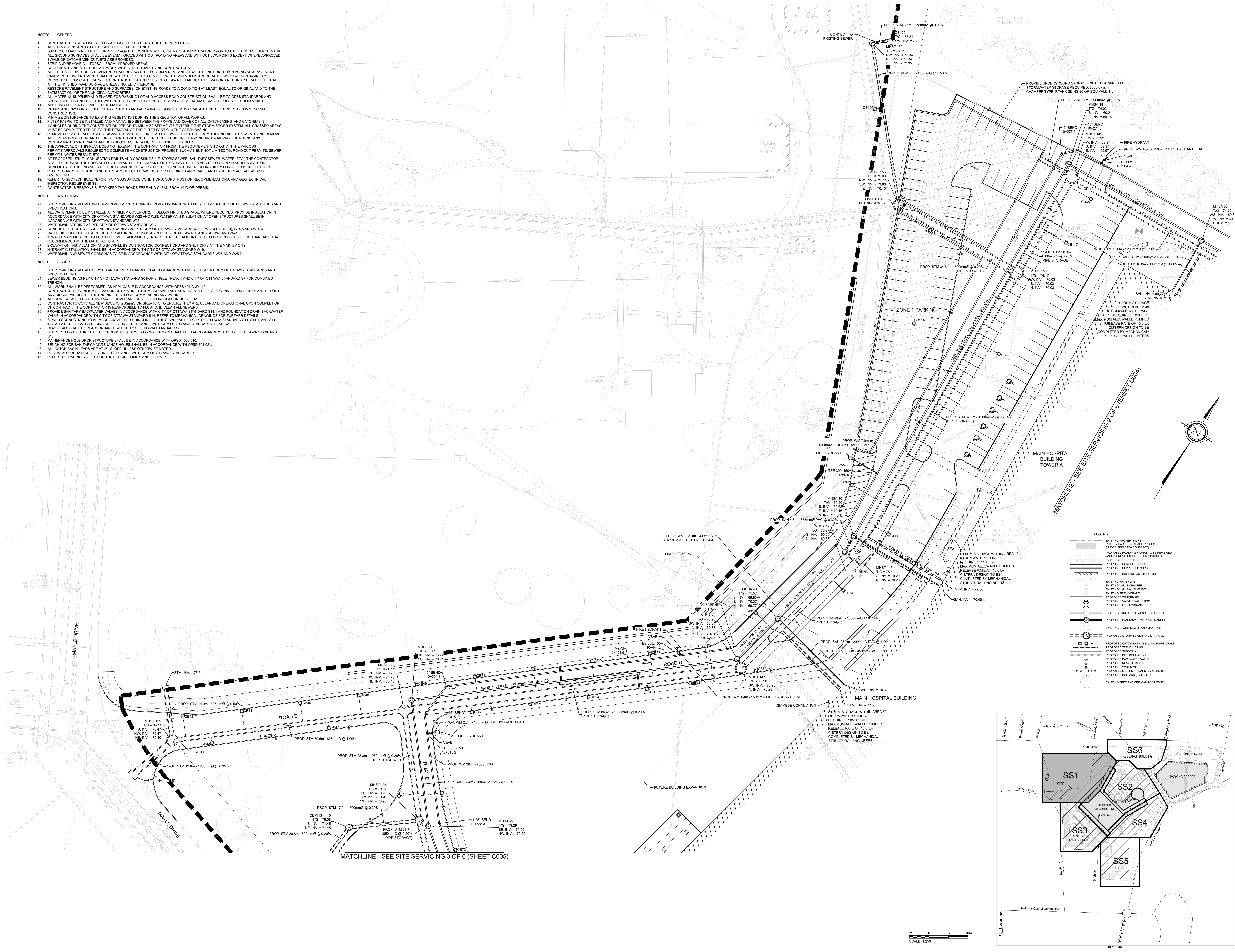
Project Status: **STAGE 3**



THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

DRAFT

- NOTES: GENERAL**
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 - JOB BENCH MARK: REFER TO SURVEY BY AGL LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
 - STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.
 - PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH D2 ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIER. CONSTRUCTION PER CITY OF OTTAWA DETAL S01.1. ELEVATIONS AT CURBS INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - ALL MATERIALS TO BE PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314 MATERIALS TO OPSS 1001, 1003 & 1010.
 - MULTIPLY PROPERTY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENT ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 - REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 - CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
- NOTES: WATERMAIN**
- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W23.
 - WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
 - CONCRETE THURST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W23.3, W25.4 (TABLE 3), W25.5 AND W25.6.
 - CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
 - IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
 - EXCAVATION INSTALLATION AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
 - HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W19.
 - WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.
- NOTES: SEWER**
- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
 - ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSS 407 AND 410.
 - CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
 - ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAL D2.
 - CONTRACTOR TO COAT ALL NEW SEWERS, 200mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
 - PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
 - SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
 - INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S1 AND S2.
 - CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
 - SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
 - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSS 1003.010.
 - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSS 701.021.
 - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
 - ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
 - REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



LEGEND

	EXISTING PROPERTY LINE
	PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH PMA PROCESS
	EXISTING CONCRETE CURB
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CURB
	PROPOSED BUILDING OR STRUCTURE
	EXISTING WATERMAIN
	EXISTING VALVE CHAMBER
	EXISTING FIRE HYDRANT
	PROPOSED WATERMAIN
	PROPOSED VALVE & VALVE BOX
	PROPOSED FIRE HYDRANT
	EXISTING SANITARY SEWER AND MANHOLE
	PROPOSED SANITARY SEWER AND MANHOLE
	EXISTING STORM SEWER AND MANHOLE
	PROPOSED STORM SEWER AND MANHOLE
	PROPOSED CATCH BASIN AND LANDSCAPE DRAIN
	PROPOSED SUBDRAIN
	PROPOSED PIPE INSTALLATION
	PROPOSED BACKWATER VALVE
	PROPOSED HEADER METER
	PROPOSED LIGHT STANDARD (BY OTHERS)
	PROPOSED BOLLARD (BY OTHERS)
	EXISTING TREE AND CRITICAL ROOT ZONE



Project Manager M. J. G.

Project Architect J. E. G.

Landscape Architect J. F. F.

Civil Engineer E. J. J.

Structural Engineer S. J. J.

Mechanical Engineer S. J. J.

Electrical Engineer S. J. J.

Plumbing Engineer S. J. J.

Equipment Planner S. J. J.

Interior Designer S. J. J.

Wayfinders S. J. J.

MARK DATE DESCRIPTION

01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-20	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

Project Number: 1033382
Original Issue: 04/27/22

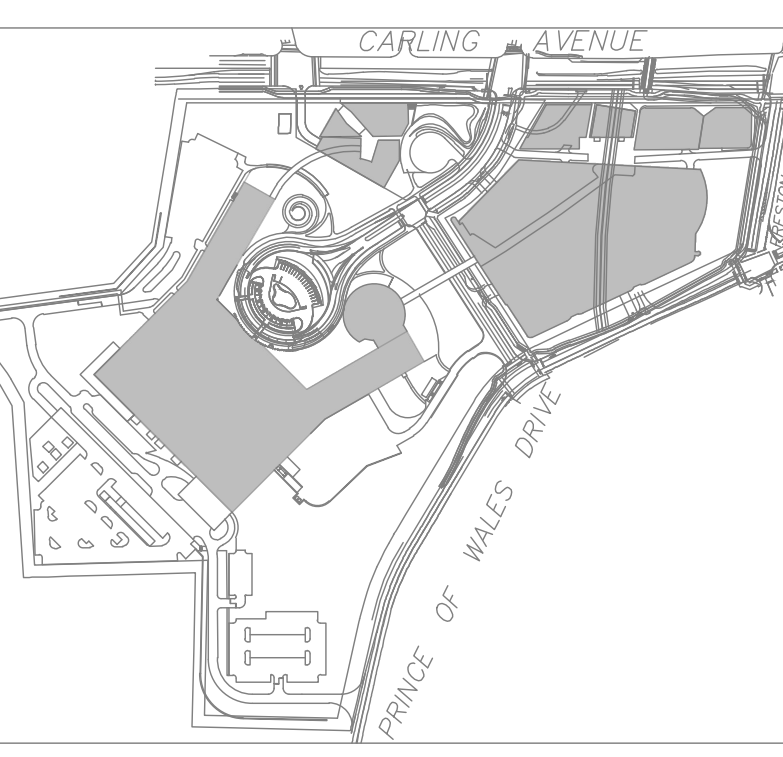
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name: SERVICING PLAN 1 OF 6

Sheet Number: C003

Project Status: STAGE 3

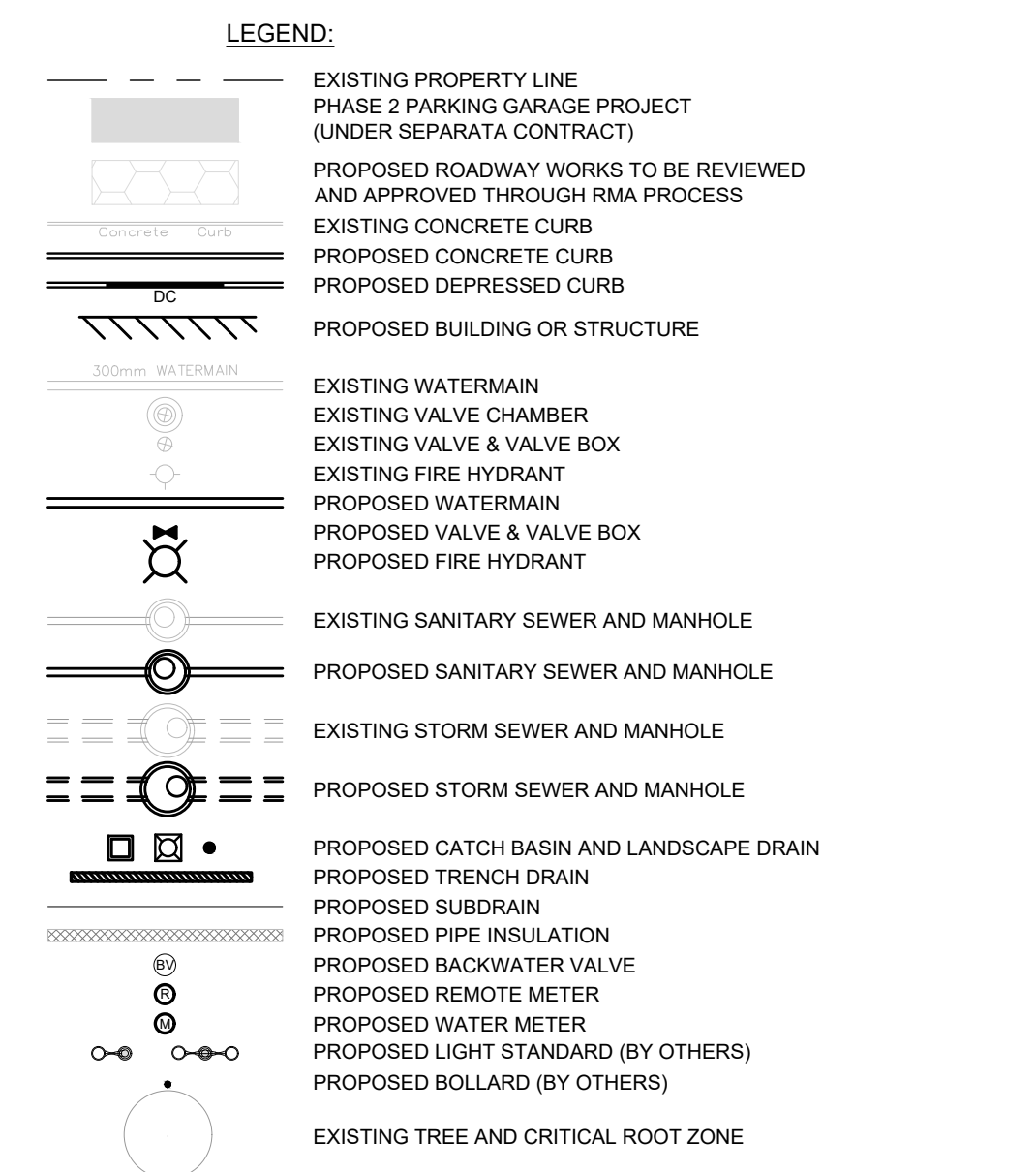
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THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

DRAFT

- NOTES - GENERAL
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILITIES METRIC UNITS.
 - JOB BENCH MARK - REFER TO SURVEY BY ADV. LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALES OR CATCH BASIN OUTLETS ARE PROVIDED.
 - STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 300MM WITH MINIMUM IN ACCORDANCE WITH D2 ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC1.1. ELEVATIONS AT CURB INDICATE THE GRADE AT THE FINISHED ROADWAY SURFACE UNLESS NOTED OTHERWISE.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE ENGINEER BEFORE COMMENCING WORK.
 - ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPS5 STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPS5 206, 310 & 314. MATERIALS TO OPS5 1001, 1003 & 1010.
 - ABUTTING PROPERTY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 - REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 - CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAR FROM MUD OR DEBRIS.
- NOTES - WATERMAIN
- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W23.
 - WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
 - CONCRETE THRUST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W25.3, W25.4 (TABLE 5), W25.5 AND W25.6.
 - CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
 - IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
 - EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
 - WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.
- NOTES - SEWER
- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
 - ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPS5 407 AND 410.
 - CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
 - ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
 - CONTRACTOR TO CCTV ALL NEW SEWERS, 250mm OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
 - PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
 - SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
 - INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S1 AND S2.
 - CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
 - SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
 - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPS5 1003 010.
 - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPS5 1001 021.
 - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
 - ROADWAY SUBGRADE SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
 - REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



Project Manager	MT
Project Designer	JEG
Project Architect	JEF
Landscape Architect	JH Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXF
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Interior Designer
Equipment Planner	Collins
Wayfinding	

Sheet Reviewer	PARSONS	
MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-20	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

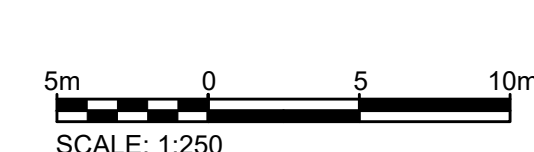
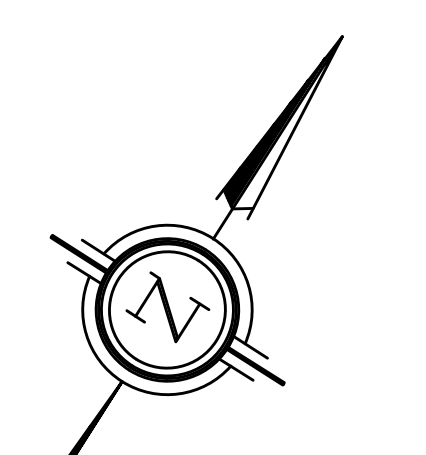
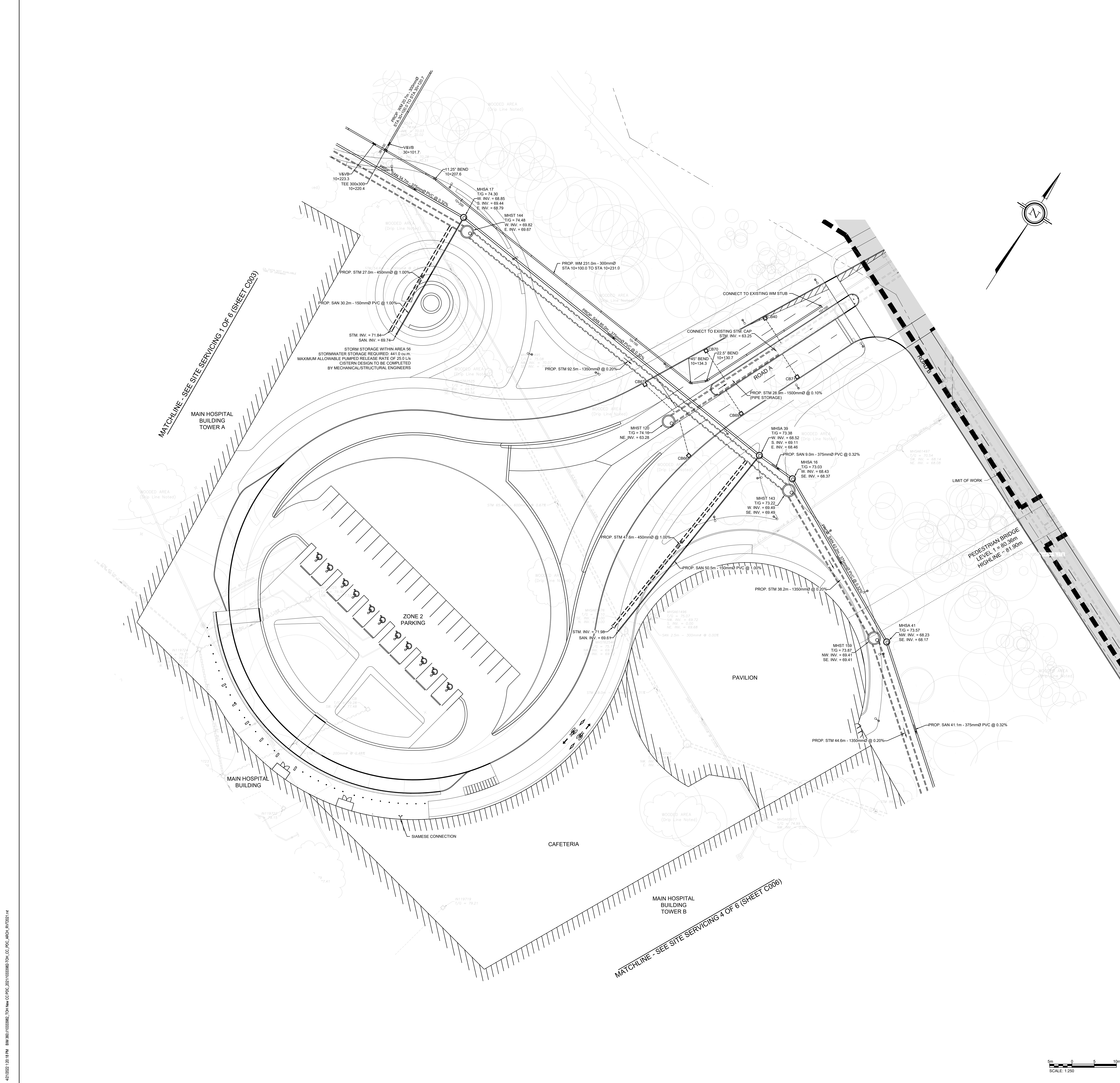
Project Number: 1033382
Original Issue: 04/07/22

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NOT FOR CONSTRUCTION

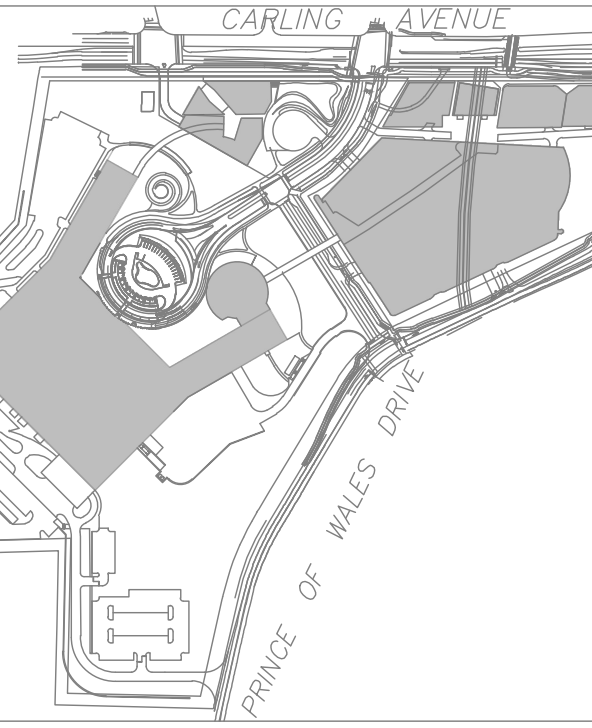
SITE
SERVICE PLAN
2 OF 6

Sheet Number
C004

Project Status
STAGE 3

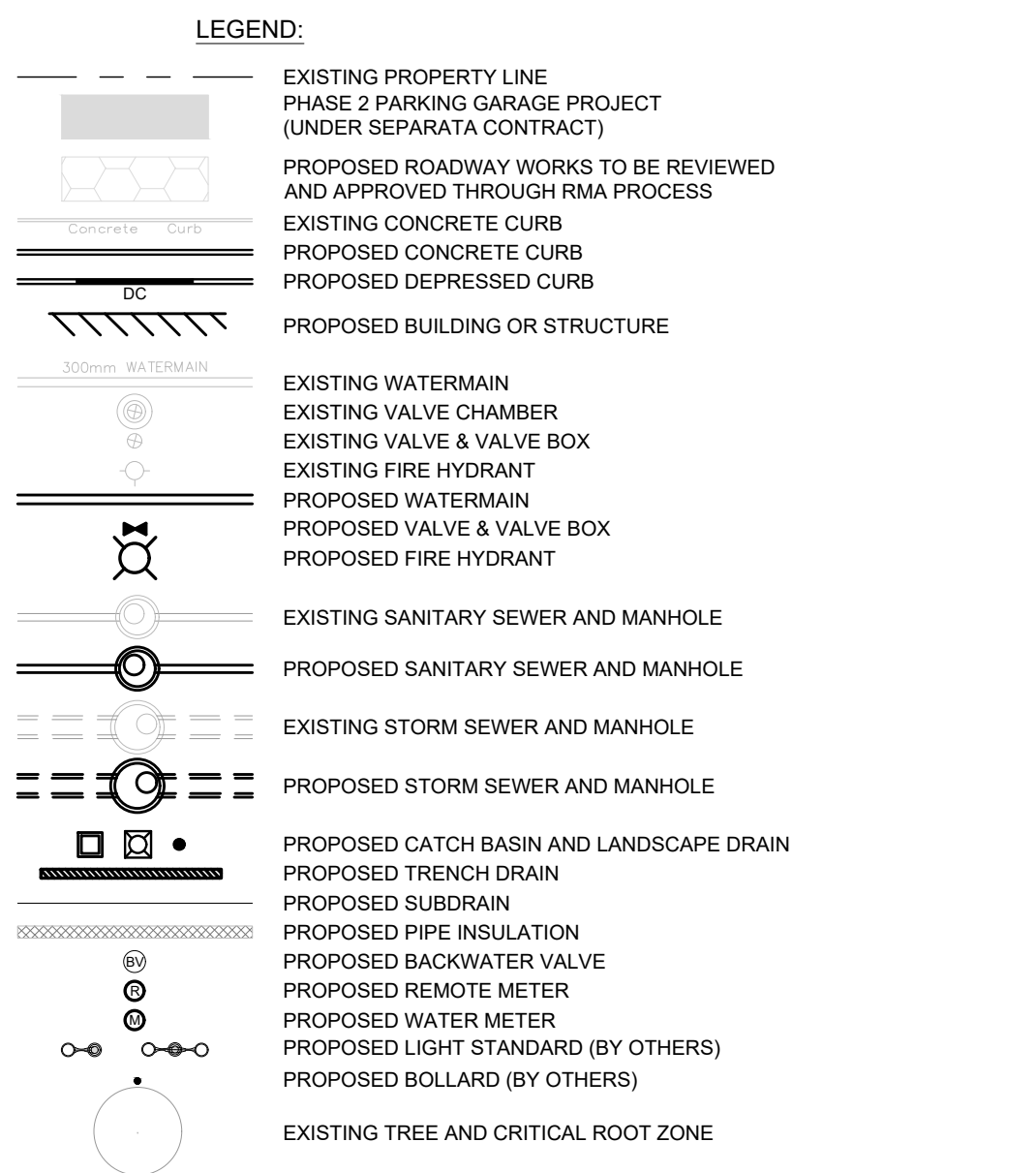
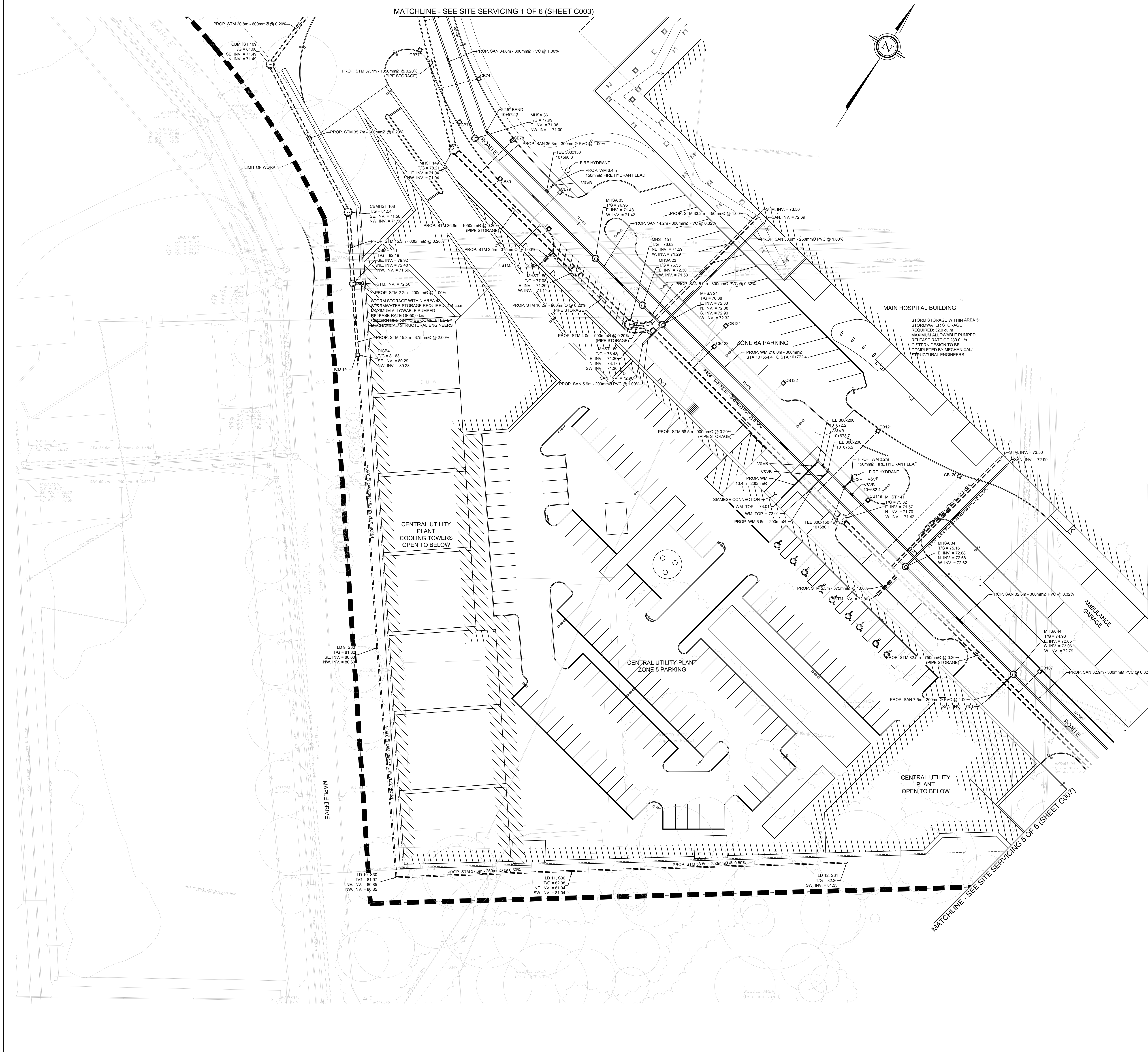


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DRAFT

- NOTES - GENERAL
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILITY METRIC UNITS.
 - JOB BENCH MARK - REFER TO SURVEY BY ADV. LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
 - STOP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINFORCEMENT SHALL BE WITH STEEL JOISTS OF 200mm WIDTH MINIMUM IN ACCORDANCE WITH D2 ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC1.1. ELEVATIONS AT CURB INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE ROAD AUTHORITY.
 - ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSB STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSB 206, 310 & 314. MATERIALS TO OPSB 1001, 1003 & 1010.
 - ABUTTING PROPERTY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCH-BASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 - REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 - CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
- NOTES - WATERMAIN
- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE, WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W23.
 - CONCRETE THRUST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W25.3, W25.4 (TABLE 3), W25.5 AND W25.6.
 - CATHODIC PROTECTION REQUIRED FOR ALL NEW FITTINGS AS PER CITY OF OTTAWA STANDARDS W22 AND W23.
 - IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
 - EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
 - HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W14.
 - WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.
- NOTES - SEWER
- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S5 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
 - ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSB 407 AND 410.
 - CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
 - ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
 - CONTRACTOR TO CUT ALL NEW SEWERS, 250mm OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR FLUSH AND CLEAN ALL SEWERS.
 - PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.2.
 - SEWER CONNECTIONS TO BE MADE ABOVE THE FINISH GRADE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
 - INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S1 AND S2.
 - CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S5.
 - SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
 - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSB 1003.010.
 - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSB 101.021.
 - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
 - ROADWAY SUBGRADE SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
 - REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



Project Manager	MB
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JFF/Fah
Civil Engineer	Civil Engineer
Structural Engineer	ENR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Windfinders	Windfinders

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

Project Number: 1033382
Original Issue: 04/27/22

PRELIMINARY
NOT FOR CONSTRUCTION

Site Name: SITE SERVICING PLAN 3 OF 6

Sheet Number: C005

Project Status: STAGE 3

NOTES: GENERAL

- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- JOB BENCH MARK - REFER TO SURVEY BY ADV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALES OR CATCH BASIN OUTLETS ARE PROVIDED.
- STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADERS AND CONTRACTORS.
- ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH O2 ON DRAWING C103. CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC1.1. ELEVATIONS AT CURB INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
- RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
- ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 313 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.
- ADJUTING PROPERTY GRADE TO BE MATCHED.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
- MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
- FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCHBASIN.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES ON CONNECTIONS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
- REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.

NOTES: WATERMAIN

- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE, WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W21.
- WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
- CONCRETE THRUST BLOCKS AND RESTRAINS AS PER CITY OF OTTAWA STANDARD W3.3, W25.4 (TABLE 3), W25.5 AND W25.6.
- CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
- IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
- EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
- HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W19.
- WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.

NOTES: SEWER

- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
- ALL WORK SHALL BE PERFORMED, AS APPLICABLE, IN ACCORDANCE WITH OPSS 407 AND 410.
- CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
- SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
- INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS S1 AND S2.
- CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
- SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
- MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSS 1003.010.
- ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
- ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
- REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.

NOTES: SEWER

- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
- ALL WORK SHALL BE PERFORMED, AS APPLICABLE, IN ACCORDANCE WITH OPSS 407 AND 410.
- CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
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- ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
- SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
- INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS S1 AND S2.
- CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
- SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
- MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSS 1003.010.
- ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
- ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
- REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.

- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
- ALL WORK SHALL BE PERFORMED, AS APPLICABLE, IN ACCORDANCE WITH OPSS 407 AND 410.
- CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
- SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
- INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS S1 AND S2.
- CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
- SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
- MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSS 1003.010.
- ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
- ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
- REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.

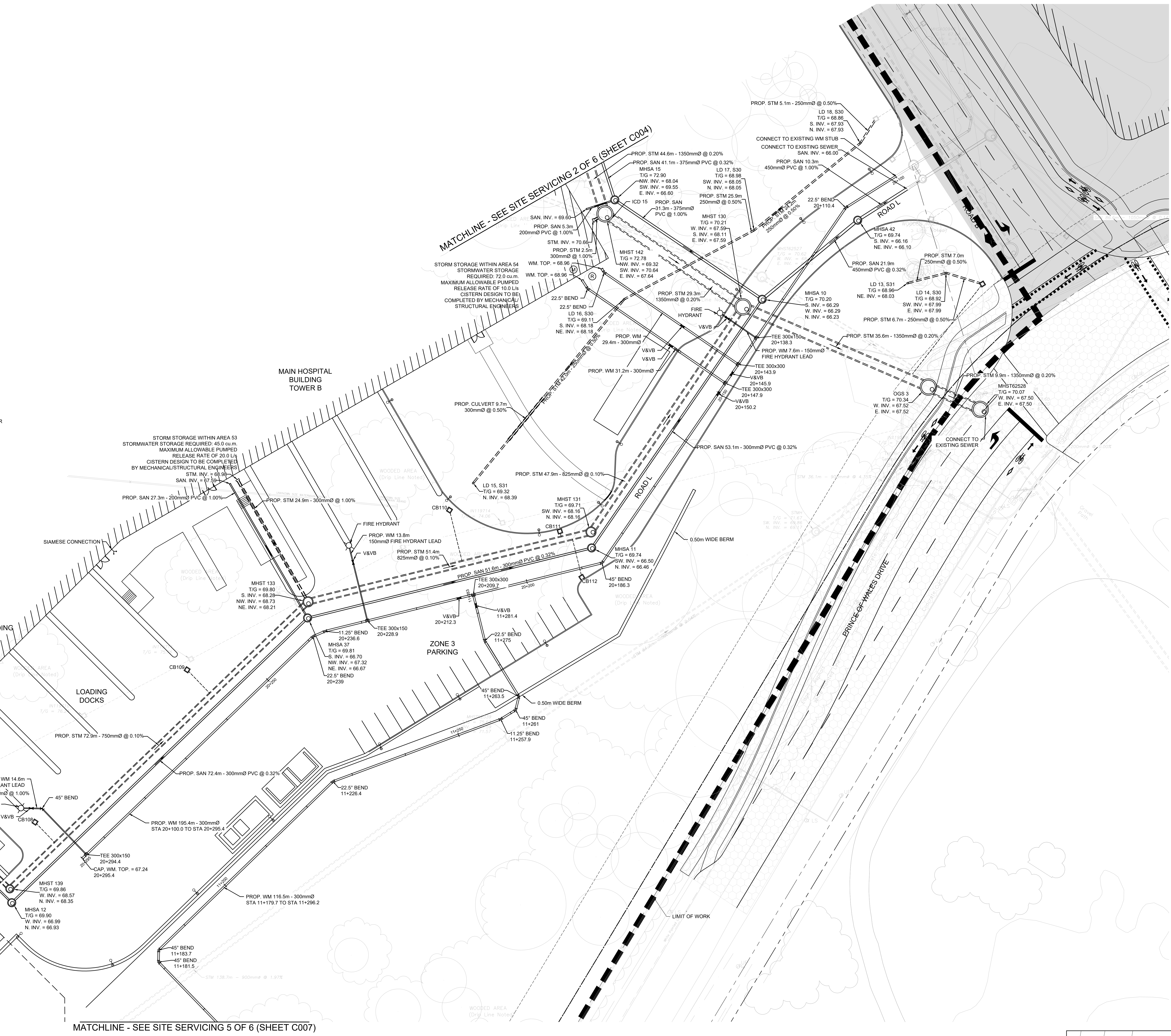
- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
- ALL WORK SHALL BE PERFORMED, AS APPLICABLE, IN ACCORDANCE WITH OPSS 407 AND 410.
- CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
- CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
- PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
- SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
- INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS S1 AND S2.
- CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
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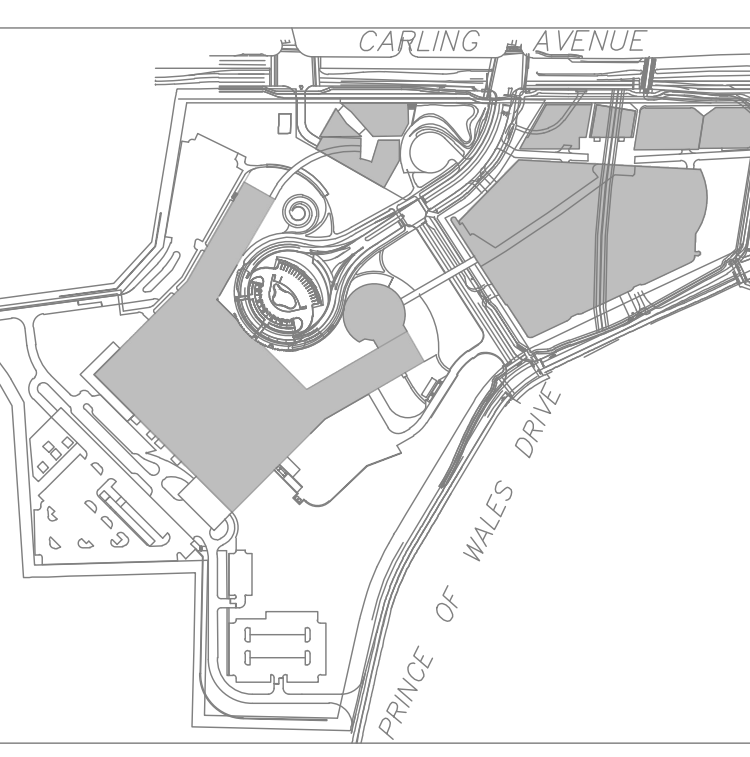
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- REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



LEGEND

- EXISTING PROPERTY LINE
- PHASE 2 PARKING GARAGE PROJECT UNDER REPAIR CONTRACT
- PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RFP PROCESS
- EXISTING CONCRETE CURB
- EXISTING FIRE HYDRANT
- PROPOSED DEPRESSED CURB
- PROPOSED BUILDING OR STRUCTURE
- EXISTING WATERMAIN
- EXISTING VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- PROPOSED CONCRETE CURB
- PROPOSED WATERMAIN
- PROPOSED VALVE & VALVE BOX
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED CATCH BASIN AND LANDSCAPE DRAIN
- PROPOSED TRENCH DRAIN
- PROPOSED RPE INSULATION
- PROPOSED BACKWATER VALVE
- PROPOSED REMOTE METER
- PROPOSED WATER METER
- PROPOSED LIGHT STANDARD (BY OTHERS)
- PROPOSED BOLLARDS (BY OTHERS)
- EXISTING TREE AND CRITICAL ROOT ZONE



**THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP**

DRAFT

Project Manager MB
Project Designer JEG
Project Architect JEG
Landscape Architect JFF/Fahs
Civil Engineer EBY
Structural Engineer Smith + Anderson
Mechanical Engineer Smith + Anderson
Electrical Engineer Smith + Anderson
Plumbing Engineer Smith + Anderson
Interior Designer Collins
Equipment Planner Collins
Wayfinding Collins

MARK DATE DESCRIPTION

01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

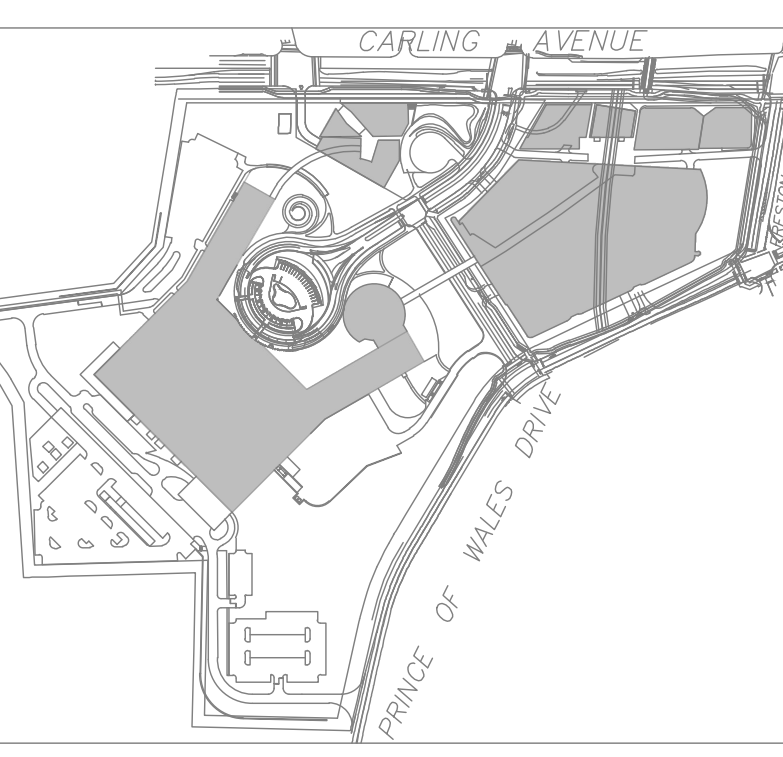
Project Number 1033382
Original Issue 04/27/22

PRELIMINARY
NOT FOR CONSTRUCTION

**SITE
SERVICE PLAN
4 OF 6**

C006

Project Status
STAGE 3

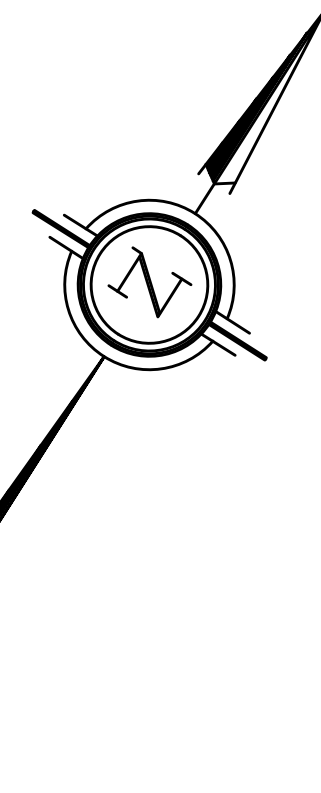
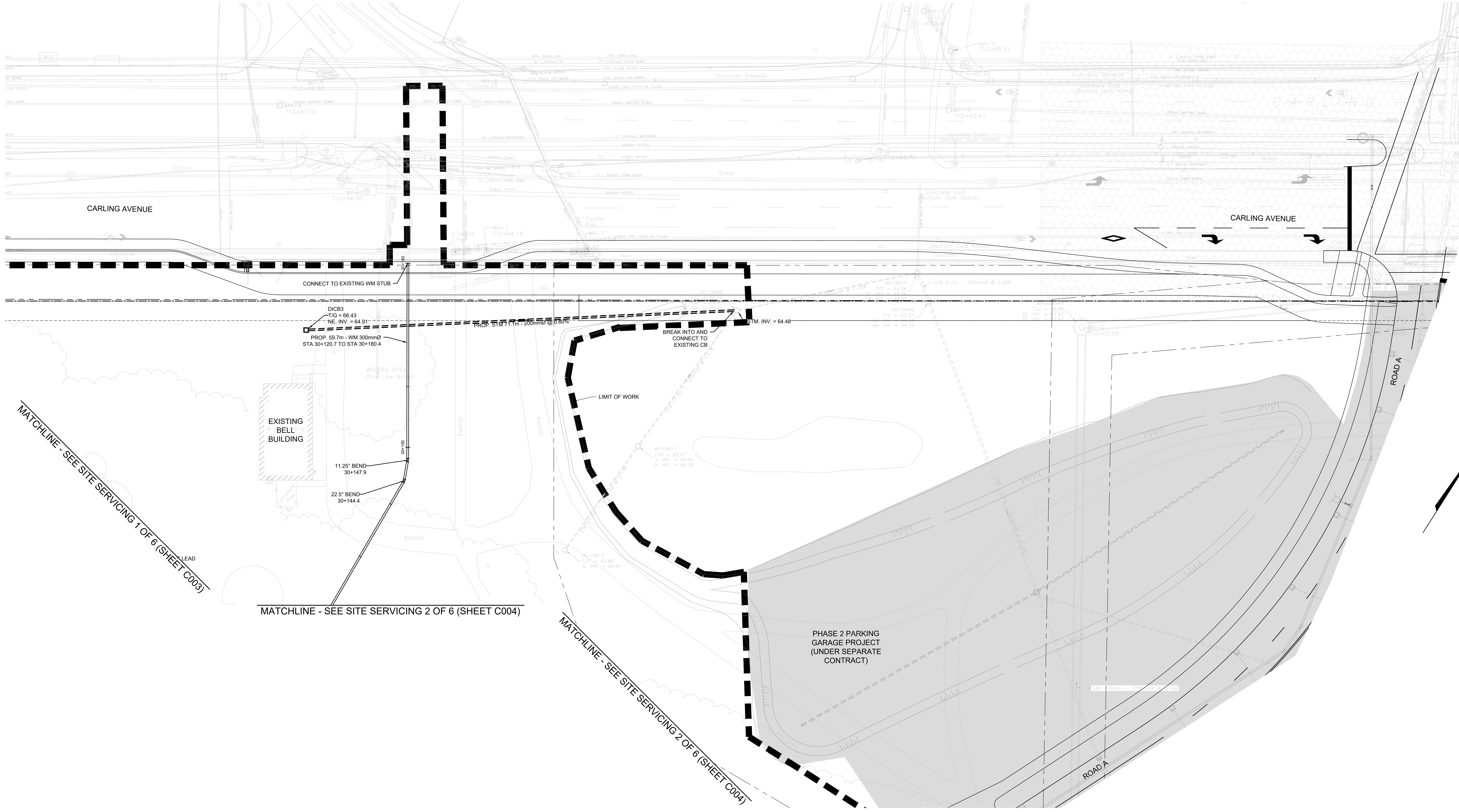


DRAFT

- NOTES: GENERAL
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 - JOB BENCHMARK - REFER TO SURVEY BY ADL LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
 - STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH U2 ON DRAWING C103. CURBS TO BE CONCRETE BARRIERS, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL S2.1. ELEVATIONS AT CURB INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - ALL MATERIAL SUPPLIED AND PLACES FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.
 - ABUTTING PROPERTY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCH-BASINS, AND CATCH-BASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES. REFER TO ARCHITECT AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 - REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 - CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.

- NOTES: WATERMAIN
- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE, WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W23.
 - WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
 - CONCRETE THRUST BLOCKS AND RESTRAINTS AS PER CITY OF OTTAWA STANDARD W25.3, W25.4 (TABLE 3), W25.5 AND W25.6.
 - CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
 - IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
 - EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
 - HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W19.
 - WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.

- NOTES: SEWER
- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S7 FOR COMBINED TRENCH.
 - ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSS 407 AND 410.
 - CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
 - ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION DETAIL D2.
 - CONTRACTOR TO CITY ALL NEW SEWERS, 200mm OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
 - PROVIDE SANITARY BACKFLOW VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKFLOW VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
 - SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARDS S11, S11.1, AND S11.2.
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 - SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
 - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSS 1001.010.
 - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSS 701.021.
 - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
 - ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
 - REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



LEGEND:

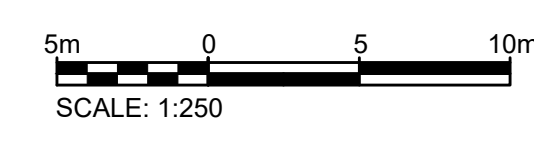
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[Symbol]	PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS
[Symbol]	EXISTING CONCRETE CURB
[Symbol]	PROPOSED CONCRETE CURB
[Symbol]	PROPOSED REFINISHED CURB
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[Symbol]	PROPOSED LIGHT STANDARD (BY OTHERS)
[Symbol]	PROPOSED BOLLARD (BY OTHERS)
[Symbol]	EXISTING TREE AND CRITICAL ROOT ZONE



MATCHLINE - SEE SITE SERVICING 1 OF 6 (SHEET C003)

MATCHLINE - SEE SITE SERVICING 2 OF 6 (SHEET C004)

MATCHLINE - SEE SITE SERVICING 2 OF 6 (SHEET C004)



Project Manager	MB
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JH Fahs
Civil Engineer	Civil Engineer
Structural Engineer	ENR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Interior Designer
Equipment Planner	Collins
Wayfindings	

Sheet Reviewer: PARSONS

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-20	ISSUED FOR SPC & FLUCA - 1ST SUBMISSION

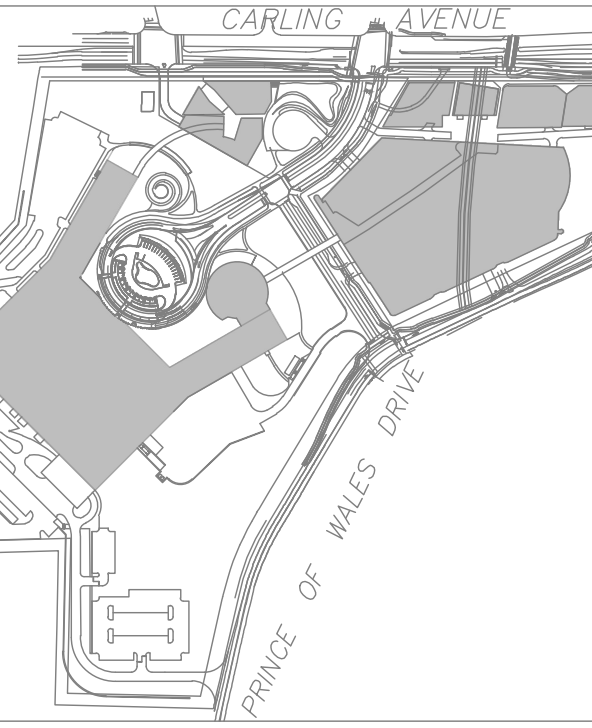
Project Number: 1033382
Original Issue: 04/2/22

PRELIMINARY
NOT FOR CONSTRUCTION

SITE
SITE SERVICING PLAN
6 OF 6

Sheet Number
C008

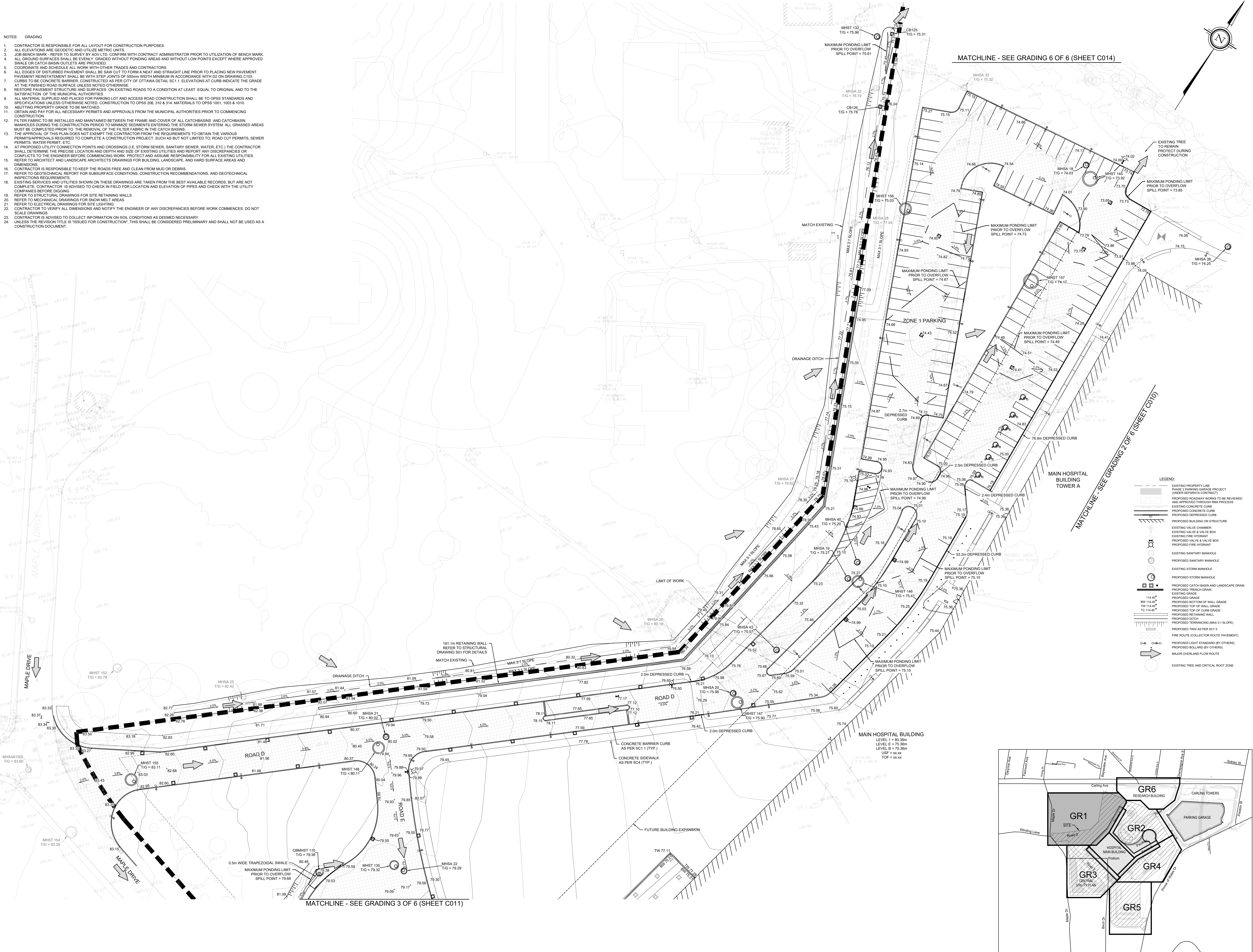
Project Status
STAGE 3



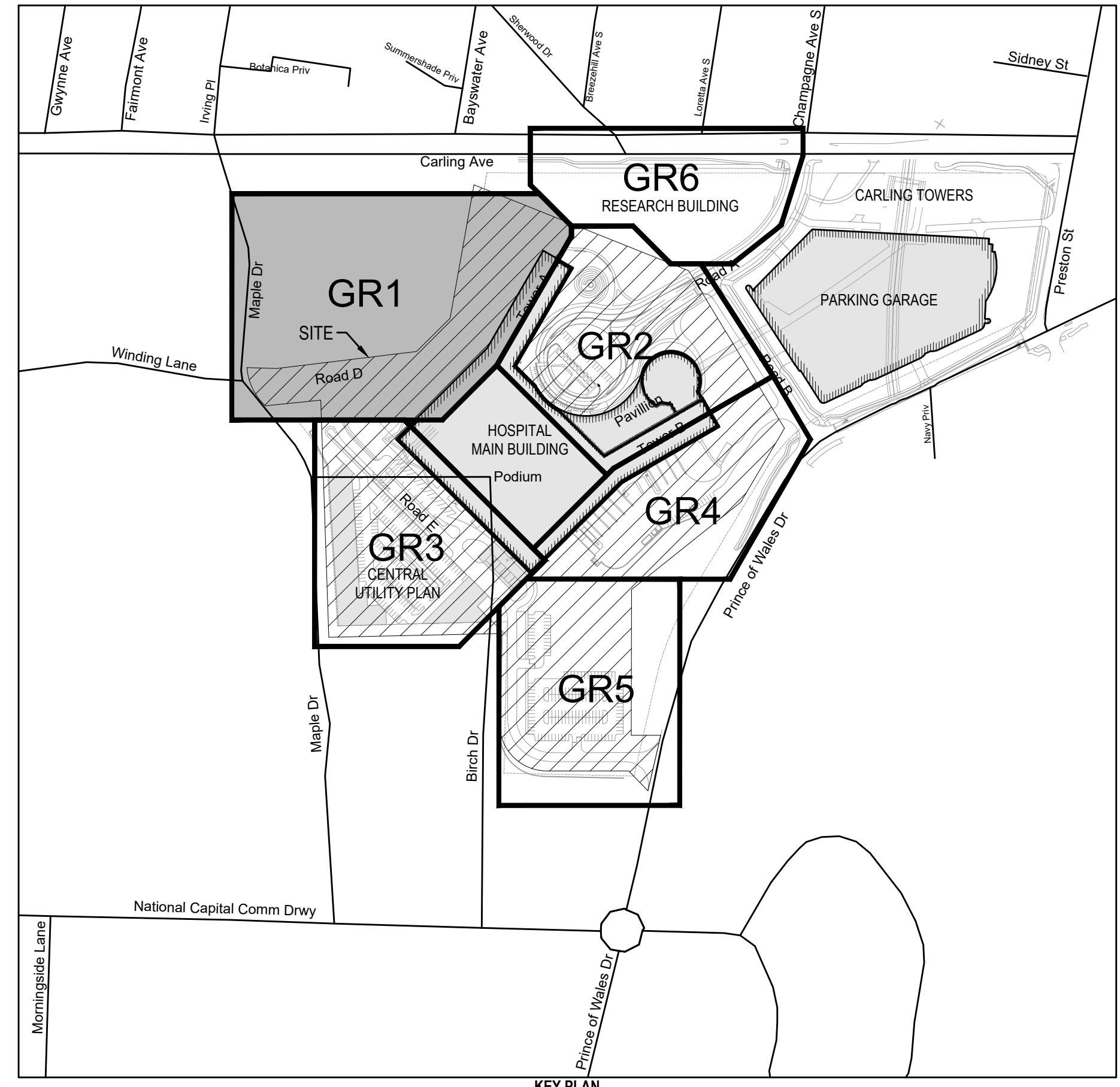
THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

DRAFT

- NOTES: GRADING
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
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 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINFORCEMENT SHALL BE WITHIN 50mm WITH MINIMUM IN ACCORDANCE WITH CD ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC-1. ELEVATIONS AT CURB INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.
 - ABUTTING PRIORITY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCH-BASINS AND CATCH-BASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 - CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
 - REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 - EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT ARE NOT COMPLETE. CONTRACTOR IS ADVISED TO CHECK IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING.
 - REFER TO STRUCTURAL DRAWINGS FOR SITE RETAINING WALLS.
 - REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
 - REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
 - CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
 - UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THIS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.



- LEGEND:
- EXISTING PROPERTY LINE
 - PROPOSED PARKING GARAGE PROJECT (UNDER SEPARATE CONTRACT)
 - PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH TRMA PROCESS
 - EXISTING CONCRETE CURB
 - PROPOSED CONCRETE CURB
 - PROPOSED DEPRESSION CURB
 - PROPOSED BUILDING OR STRUCTURE
 - EXISTING VALVE CHAMBER
 - EXISTING VALVE & VALVE BOX
 - EXISTING FIRE HYDRANT
 - PROPOSED VALVE & VALVE BOX
 - PROPOSED FIRE HYDRANT
 - EXISTING SANITARY MANHOLE
 - PROPOSED SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - PROPOSED STORM MANHOLE
 - PROPOSED CATCH BASIN AND LANDSCAPE DRAIN
 - PROPOSED TRENCH DRAIN
 - EXISTING GRADE
 - PROPOSED BOTTOM OF WALL GRADE
 - PROPOSED TOP OF WALL GRADE
 - PROPOSED TOP OF CURB GRADE
 - PROPOSED RETAINING WALL
 - PROPOSED DITCH
 - PROPOSED TERMINATING MAX 3:1 SLOPE
 - PROPOSED TWS AS PER S.C.3
 - FIRE ROUTE (COLLECTOR ROUTE PAVEMENT)
 - PROPOSED LIGHT STANDARD (BY OTHERS)
 - PROPOSED ISOLAND (BY OTHERS)
 - MAJOR OVERLAND FLOW ROUTE
 - EXISTING TREE AND CRITICAL ROOT ZONE



THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
40	SUPERPAVE 12.5mm SURFACE COURSE
90	SUPERPAVE 19.0mm BRIDGE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm FCI SURFACE COURSE
90	SUPERPAVE 19.0mm BRIDGE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
200	PORTLAND CEMENT CONCRETE
150	SUPERPAVE 12.5mm SURFACE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-20	ISSUED FOR SPC & FLUCA - 1ST SUBMISSION

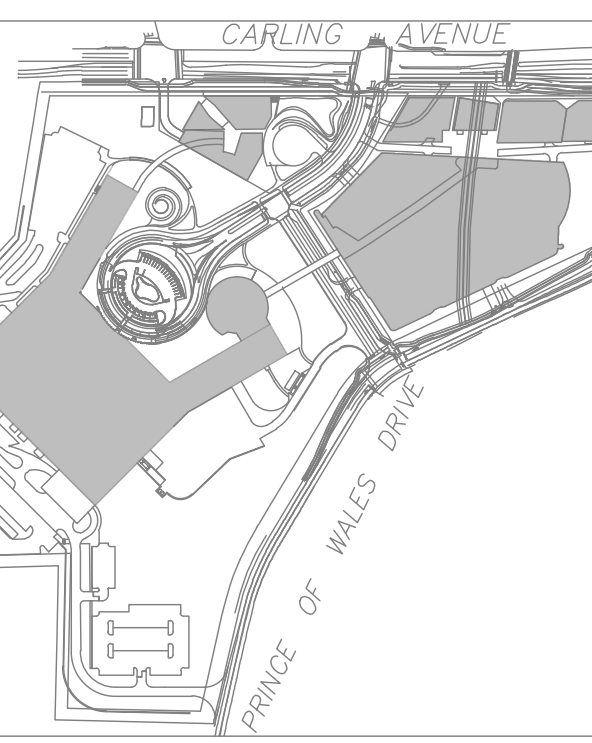
Project Manager	MT
Project Designer	JEG
Project Architect	JH Fahs
Landscape Architect	JH Fahs
Civil Engineer	E37
Structural Engineer	Smith + Anderson
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	
Wayfinders	

Sheet Number	C009
Project Number	1033382
Original Issue	04/21/22

Sheet Name
GRADING PLAN 1 OF 6

Sheet Number
C009
Project Status
STAGE 3

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THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

DRAFT

NOTES: GRADING

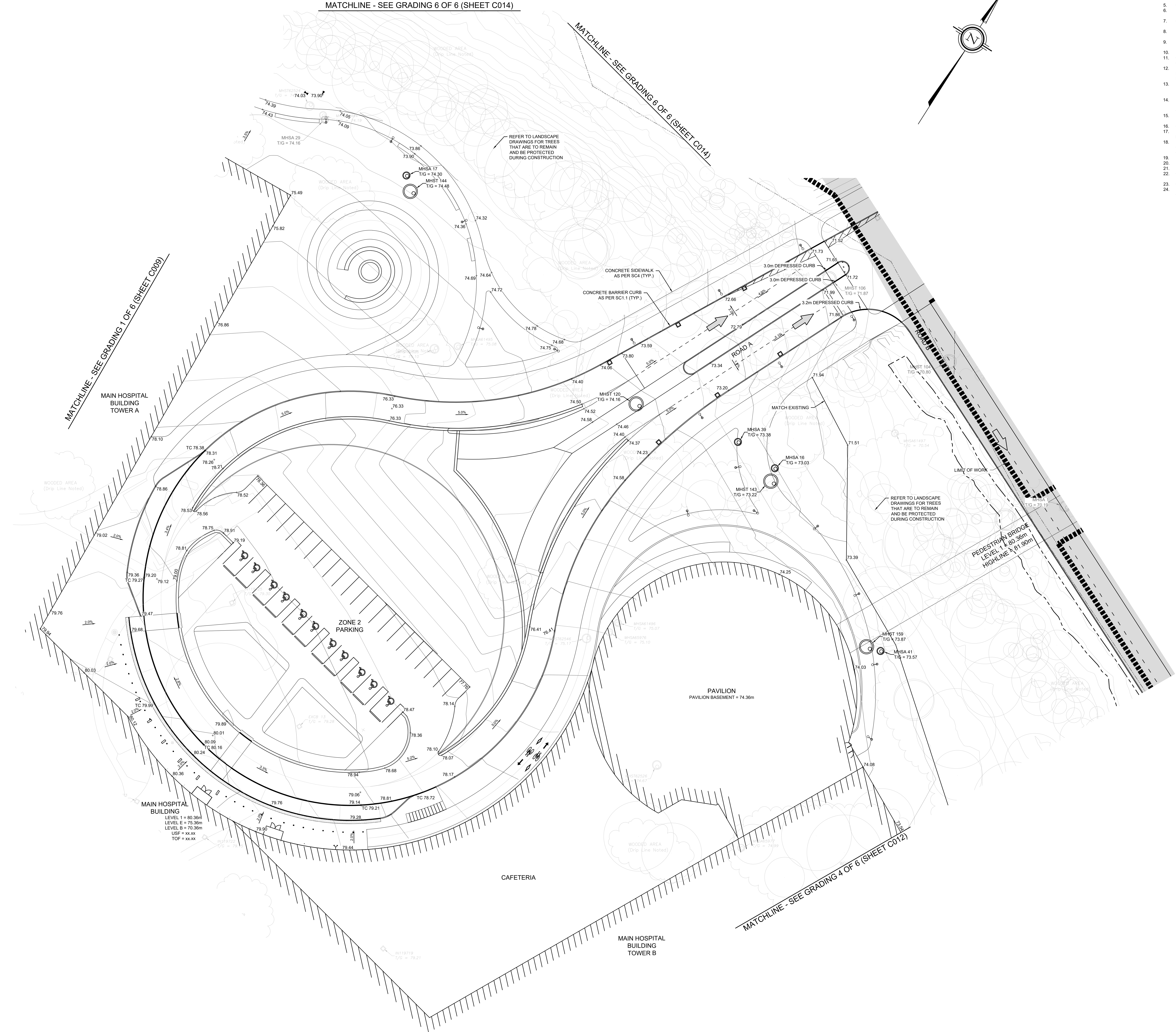
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- JOB BENCH MARK - REFER TO SURVEY BY ADJ. LTD. TO CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN UTILITIES ARE PROVIDED.
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH D2 ON DRAWING C103.
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- ABUTTING PROPERTY GRADE TO BE MATCHED.
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MATCHLINE - SEE GRADING 6 OF 6 (SHEET C014)

MATCHLINE - SEE GRADING 6 OF 6 (SHEET C014)

MATCHLINE - SEE GRADING 1 OF 6 (SHEET C009)

MATCHLINE - SEE GRADING 4 OF 6 (SHEET C012)



LEGEND:

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING PARKING GARAGE PROJECT
[Symbol]	PROPOSED ROADWAY WORKING TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS (UNDER SEPARATE CONTRACT)
[Symbol]	PROPOSED CONCRETE CURB
[Symbol]	PROPOSED DEPRESSION CURB
[Symbol]	PROPOSED BUILDING OR STRUCTURE
[Symbol]	EXISTING VALVE CHAMBER
[Symbol]	EXISTING VALVE & MANHOLE BOX
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	PROPOSED VALVE & VALVE BOX
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	EXISTING SANITARY MANHOLE
[Symbol]	PROPOSED SANITARY MANHOLE
[Symbol]	EXISTING STORM MANHOLE
[Symbol]	PROPOSED STORM MANHOLE
[Symbol]	PROPOSED CATCH BASIN AND LANDSCAPE DRAIN
[Symbol]	PROPOSED TRENCH DRAIN
[Symbol]	EXISTING GRADE
[Symbol]	PROPOSED GRADE
[Symbol]	PROPOSED BOTTOM OF WALL GRADE
[Symbol]	PROPOSED TOP OF WALL GRADE
[Symbol]	PROPOSED TOP OF CURB GRADE
[Symbol]	PROPOSED RETAINING WALL
[Symbol]	PROPOSED SLOPE
[Symbol]	PROPOSED TERRACING (MAX 3:1 SLOPE)
[Symbol]	PROPOSED TRENCH (AS PER SCT 3)
[Symbol]	FIRE ROUTE COLLECTION ROUTE (INDENTED)
[Symbol]	PROPOSED LIGHT STANDARDS (BY OTHERS)
[Symbol]	PROPOSED BOLLARD (BY OTHERS)
[Symbol]	MAJOR OVERLAND FLOW ROUTE
[Symbol]	EXISTING TREE AND CRITICAL ROOT ZONE

RECOMMENDED PAVEMENT STRUCTURE - PARKING AREAS

THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - LOCAL ROUTES

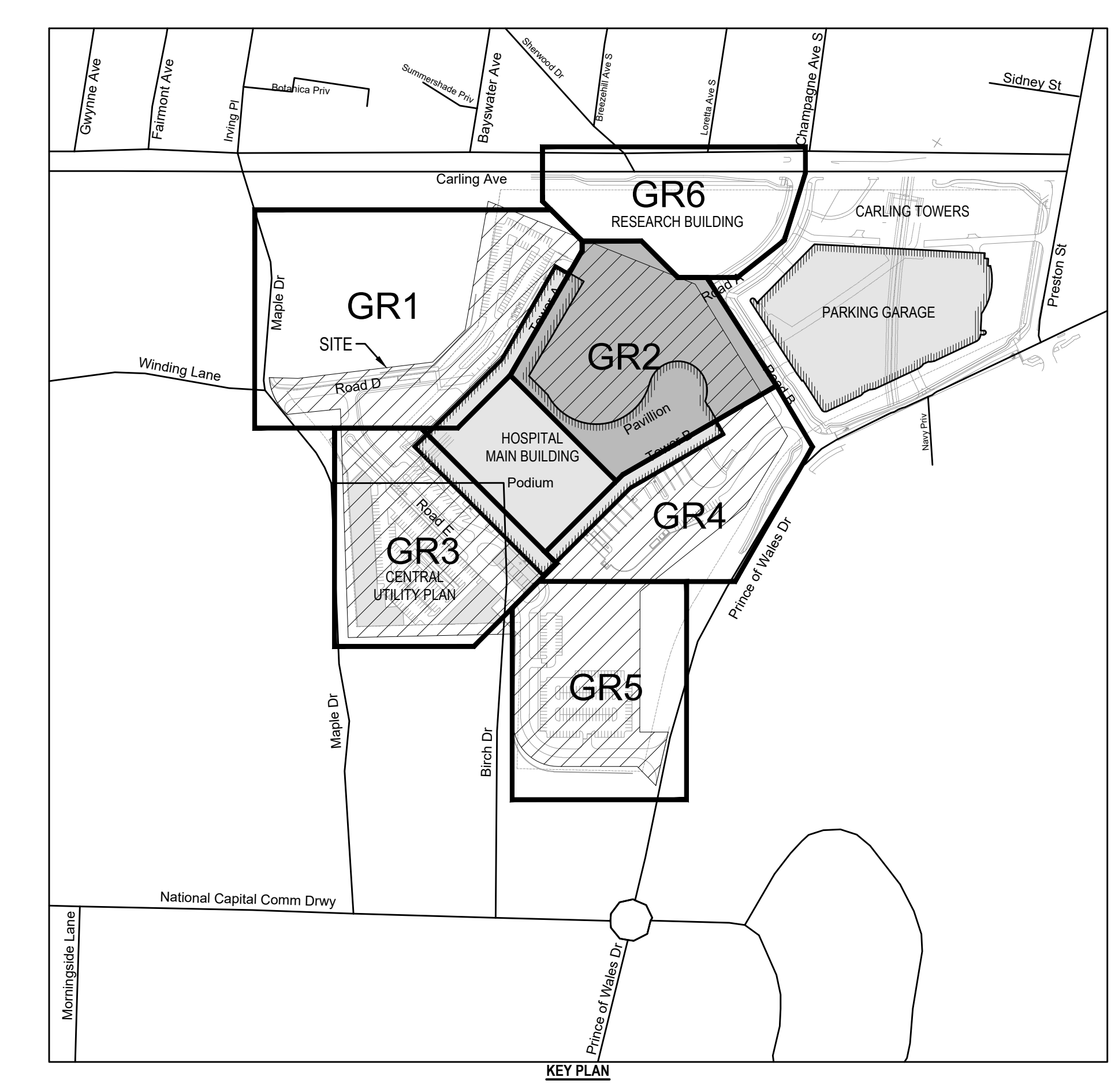
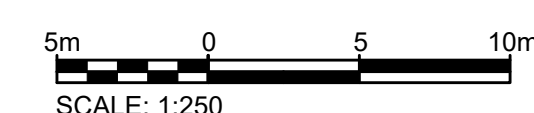
THICKNESS(mm)	MATERIAL DESCRIPTION
40	SUPERPAVE 12.5mm SURFACE COURSE
50	SUPERPAVE 19.0mm BINDER COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - COLLECTOR ROUTES

THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
70	SUPERPAVE 19.0mm BINDER COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - RIGID PAVEMENT

THICKNESS(mm)	MATERIAL DESCRIPTION
200	RIGHT HAND CURBED CONCRETE
100	SUPERPAVE 12.5mm SURFACE COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE



Project Manager: MS
 Project Designer: JEG
 Project Architect: JEF
 Landscape Architect: JF Fahs
 Civil Engineer: EJP
 Structural Engineer: EJP
 Mechanical Engineer: Smith + Anderson
 Plumbing Engineer: Smith + Anderson
 Interior Designer: Collins
 Equipment Planner: Collins
 Wayfinding: Collins

MARK DATE DESCRIPTION
 01 2022-09-23 ISSUED FOR PRE-CONSULTATION
 02 2022-10-26 DRAFT FOR 90% SD
 03 2022-11-20 ISSUED FOR SPC & FLUCA - 10% SUBMISSION

Project Number: 1033382
 Original Issue: 04/2/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name: GRADING PLAN 2 OF 5

Sheet Number: C010

Project Status: STAGE 3

THICKNESS(mm)	MATERIAL DESCRIPTION
150	SUPERPAVE 15.0mm SURFACE COURSE
190	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

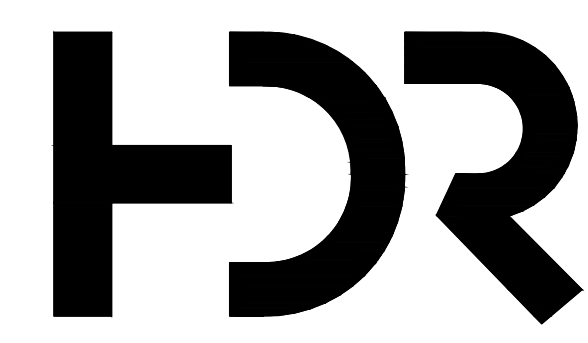
THICKNESS(mm)	MATERIAL DESCRIPTION
40	SUPERPAVE 12.0mm SURFACE COURSE
50	SUPERPAVE 19.0mm BINDER COURSE
190	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.0mm SURFACE COURSE
70	SUPERPAVE 19.0mm BINDER COURSE
190	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

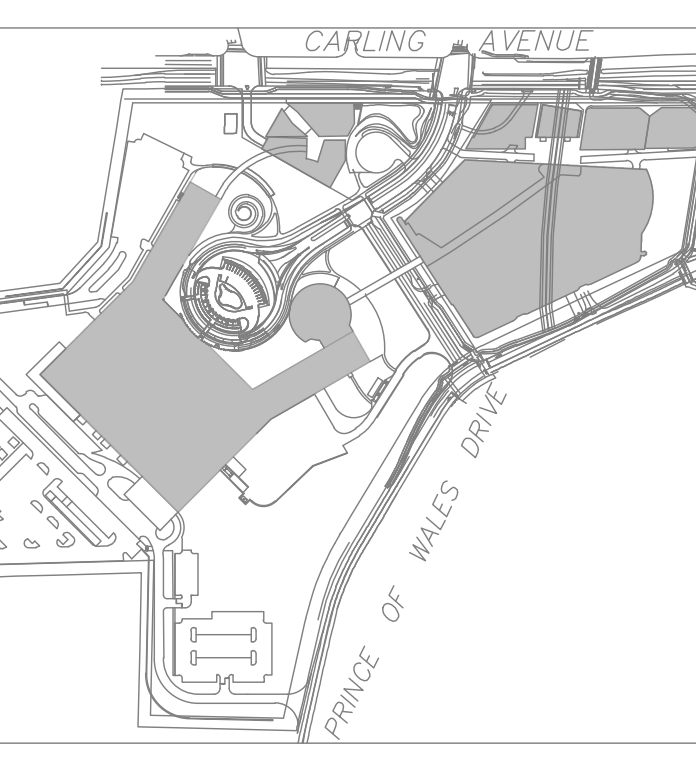
THICKNESS(mm)	MATERIAL DESCRIPTION
200	PORTLAND CEMENT CONCRETE
190	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

NOTES: GRADING

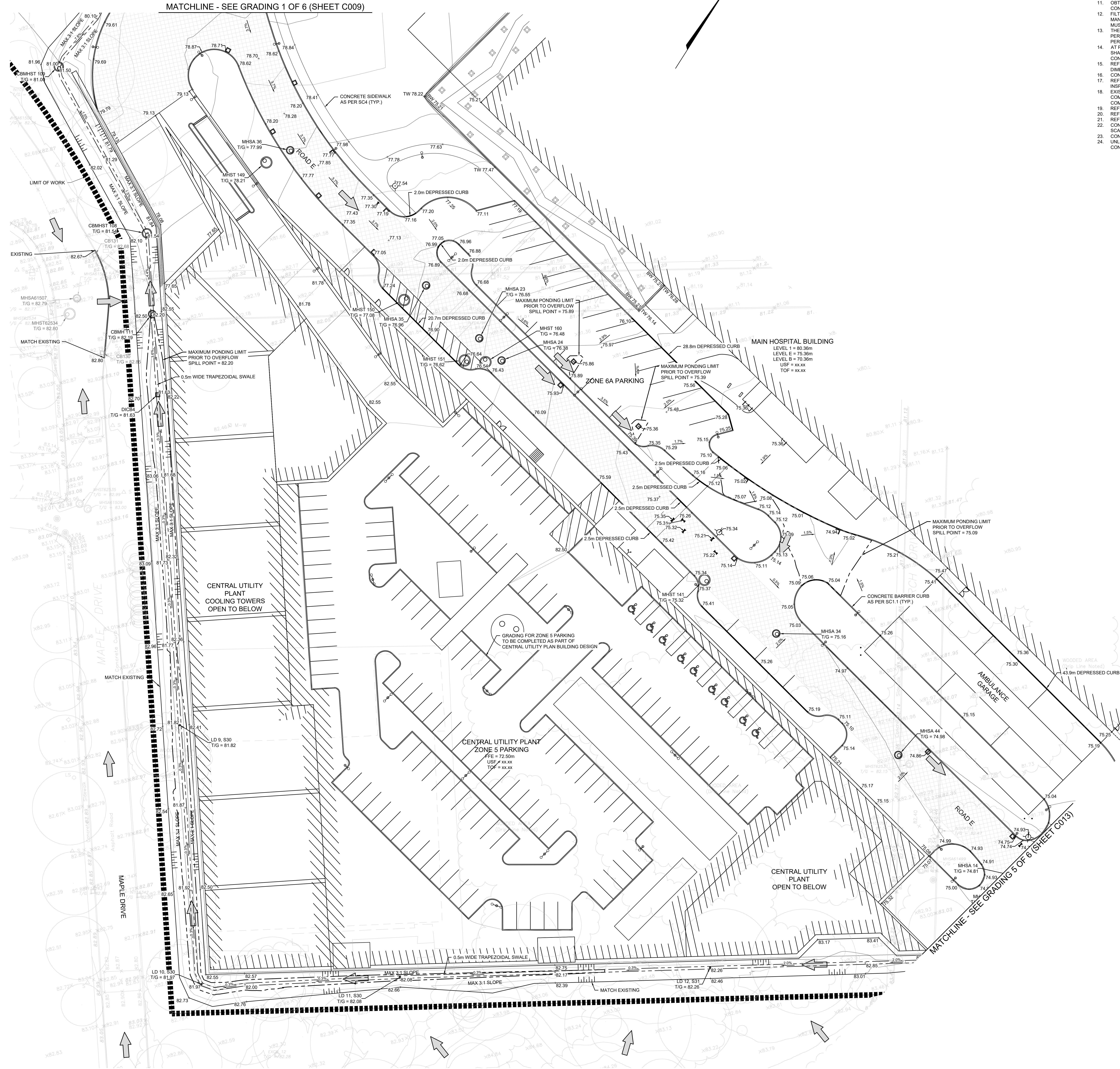
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- JOB BENCH MARK - REFER TO SURVEY BY A.S.V.L.D. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
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- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO, ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
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- REFER TO STRUCTURAL DRAWINGS FOR SITE RETAINING WALLS.
- REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
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HDR Architecture Associates Inc.
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 0A6

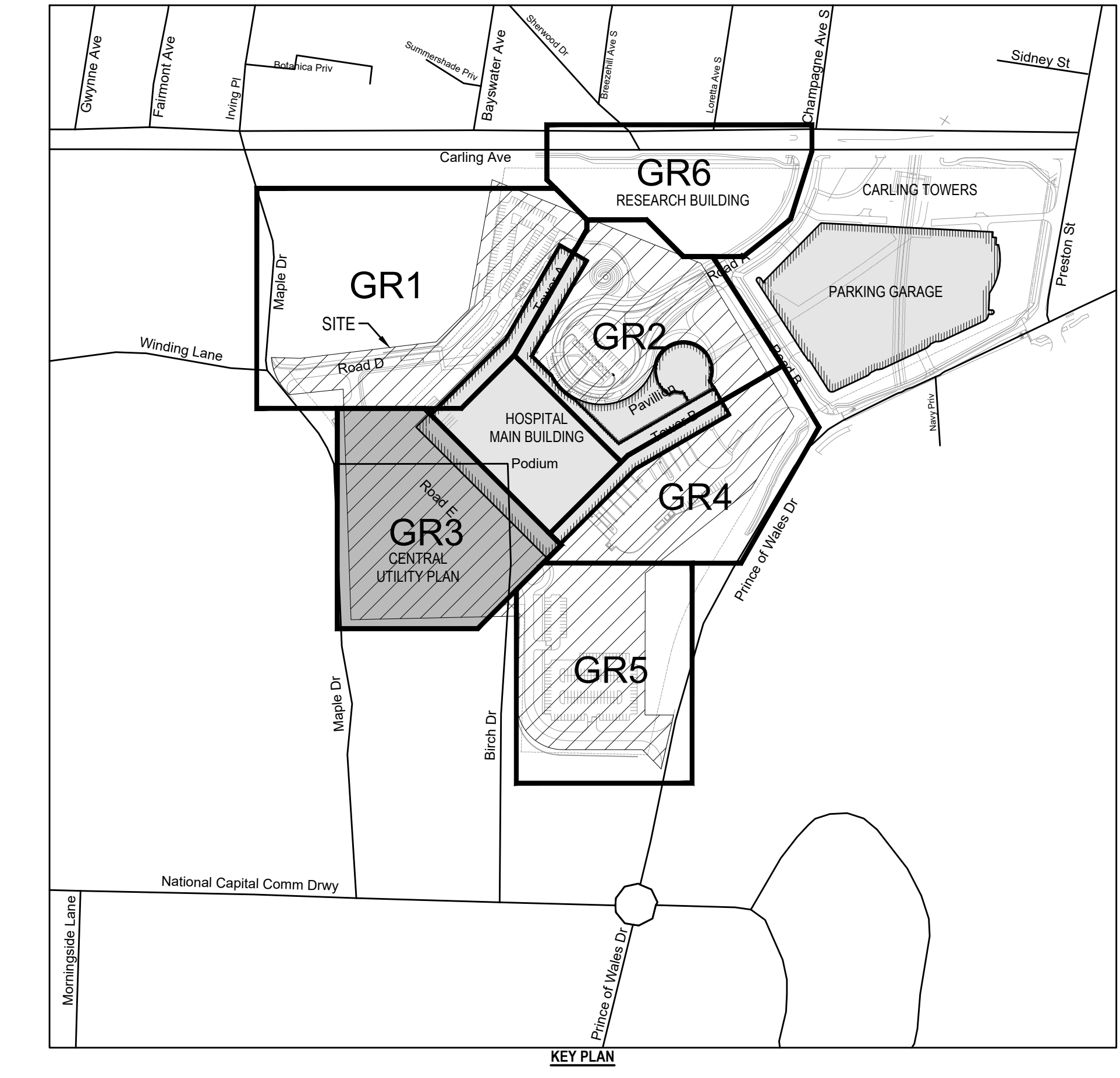


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LEGEND

	EXISTING PROPERTY LINE
	FRAME PARKING GARAGE PROJECT (UNDER SEPARATE CONTRACT)
	PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH SIAH PROCESS
	EXISTING CONCRETE CURB
	PROPOSED DEPRESSED CURB
	PROPOSED CONCRETE CURB
	EXISTING BUILDING STRUCTURE
	EXISTING VALVE CHAMBER
	EXISTING VALVE & VALVE BOX
	EXISTING FIRE HYDRANT
	PROPOSED VALVE & VALVE BOX
	PROPOSED FIRE HYDRANT
	EXISTING SANITARY MANHOLE
	PROPOSED SANITARY MANHOLE
	EXISTING STORM MANHOLE
	PROPOSED STORM MANHOLE
	PROPOSED CATCH BASIN AND LANDSCAPE DRAIN
	EXISTING GRADE
	PROPOSED GRADE
	PROPOSED BOTTOM OF WALL GRADE
	PROPOSED TOP OF WALL GRADE
	PROPOSED TOP OF CURB GRADE
	PROPOSED RETAINING WALL
	PROPOSED DITCH
	PROPOSED TERRACE (MAX 3:1 SLOPE)
	PROPOSED TWB AS PER SCT 3
	FIRE ROUTE (COLLECTOR ROUTE PAVEMENT)
	PROPOSED LIGHT STANDARD (BY OTHERS)
	PROPOSED ISLAND (BY OTHERS)
	MAJOR OVER AND FLOW ROUTE
	EXISTING TREE AND CRITICAL ROOT ZONE



DRAFT

Project Manager	MT
Project Designer	JEG
Landscape Architect	JFF/Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EST
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Interior Designer
Equipment Planner	Collins
Wayfinding	Wayfinding

Sheet Reviewer	PARSONS
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MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

Project Number: 1033382
Original Issue: 04/27/22

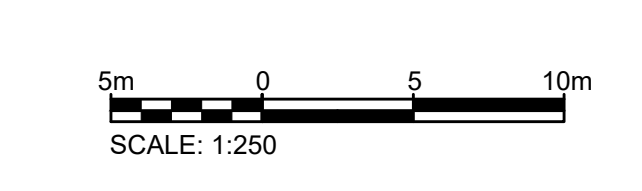
PRELIMINARY
NOT FOR CONSTRUCTION

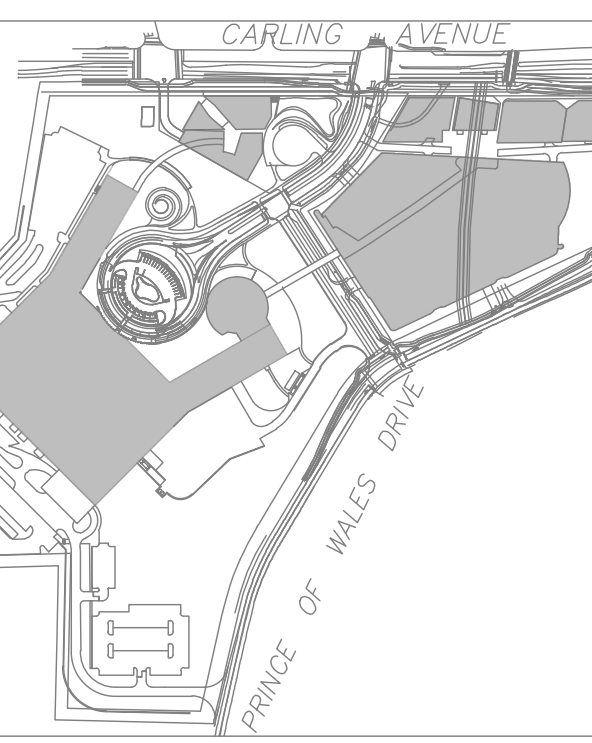
Sheet Name: GRADING PLAN 3 OF 5

Sheet Number: C011

Project Status: STAGE 3

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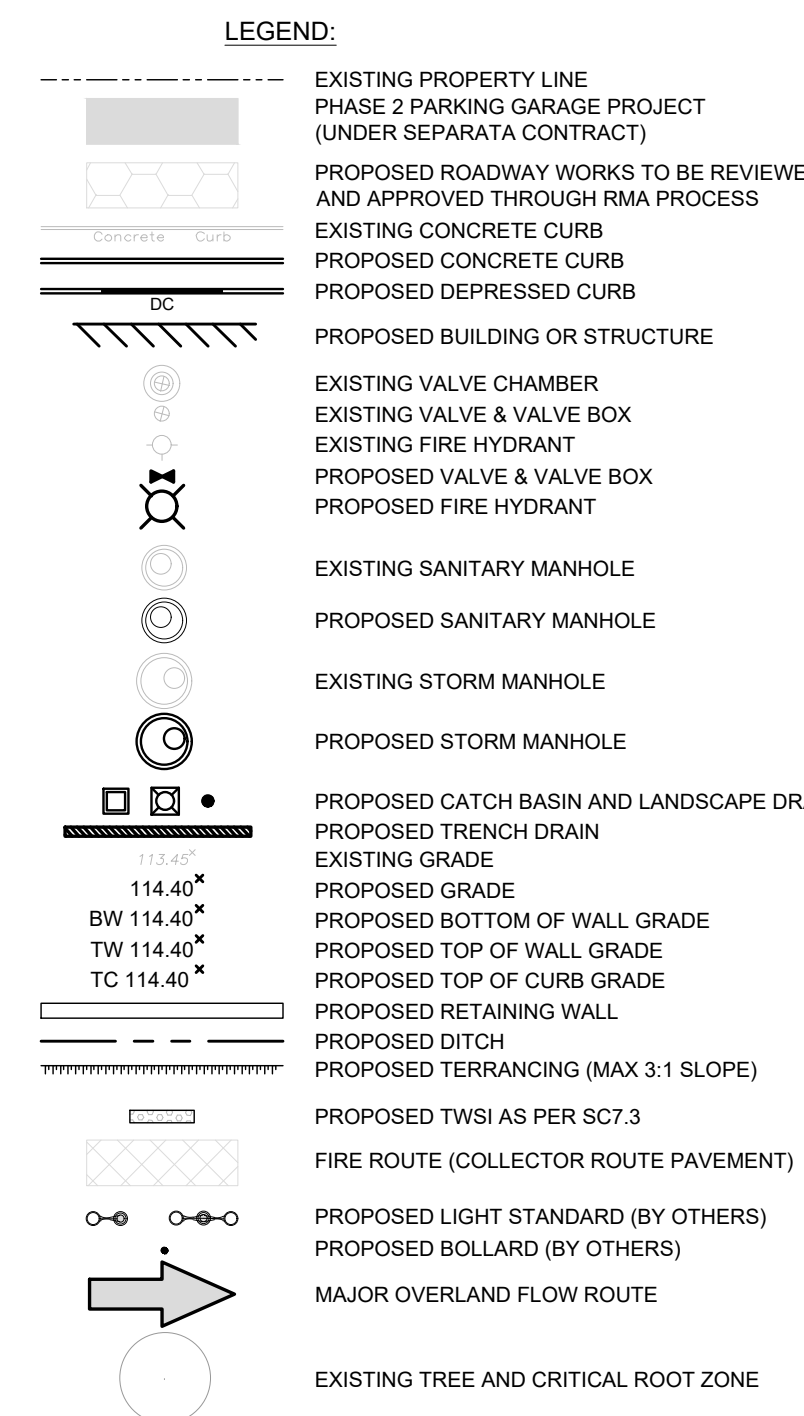
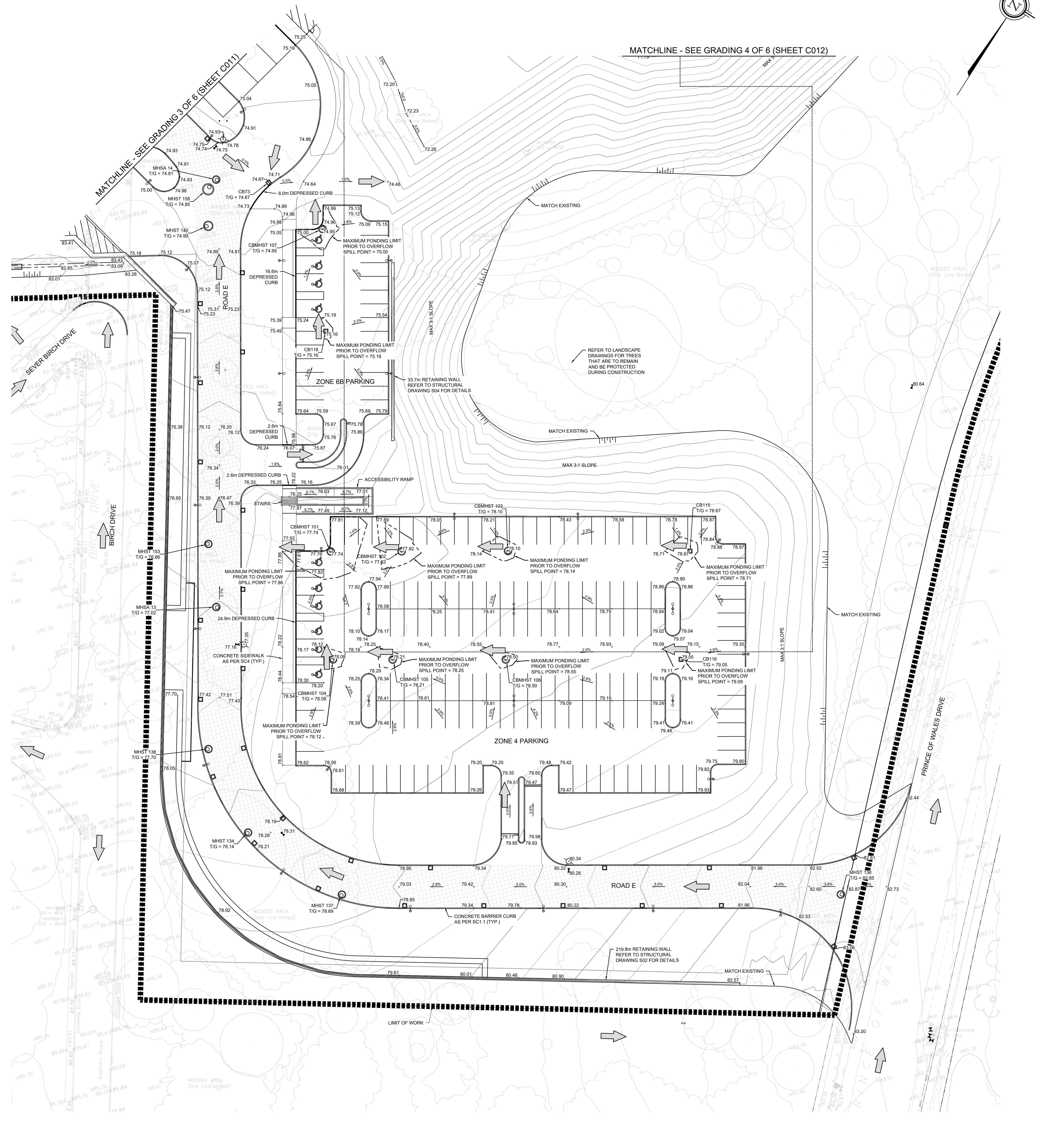


THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

DRAFT

NOTES: GRADING

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- FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCH BASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES.
- REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
- CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
- REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTIONS REQUIREMENTS.
- EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT ARE NOT COMPLETE. CONTRACTOR IS ADVISED TO CHECK IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING.
- REFER TO STRUCTURAL DRAWINGS FOR SITE RETAINING WALLS.
- REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
- REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
- CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
- UNLESS THE REVISION TITLE IS ISSUED FOR CONSTRUCTION, THIS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

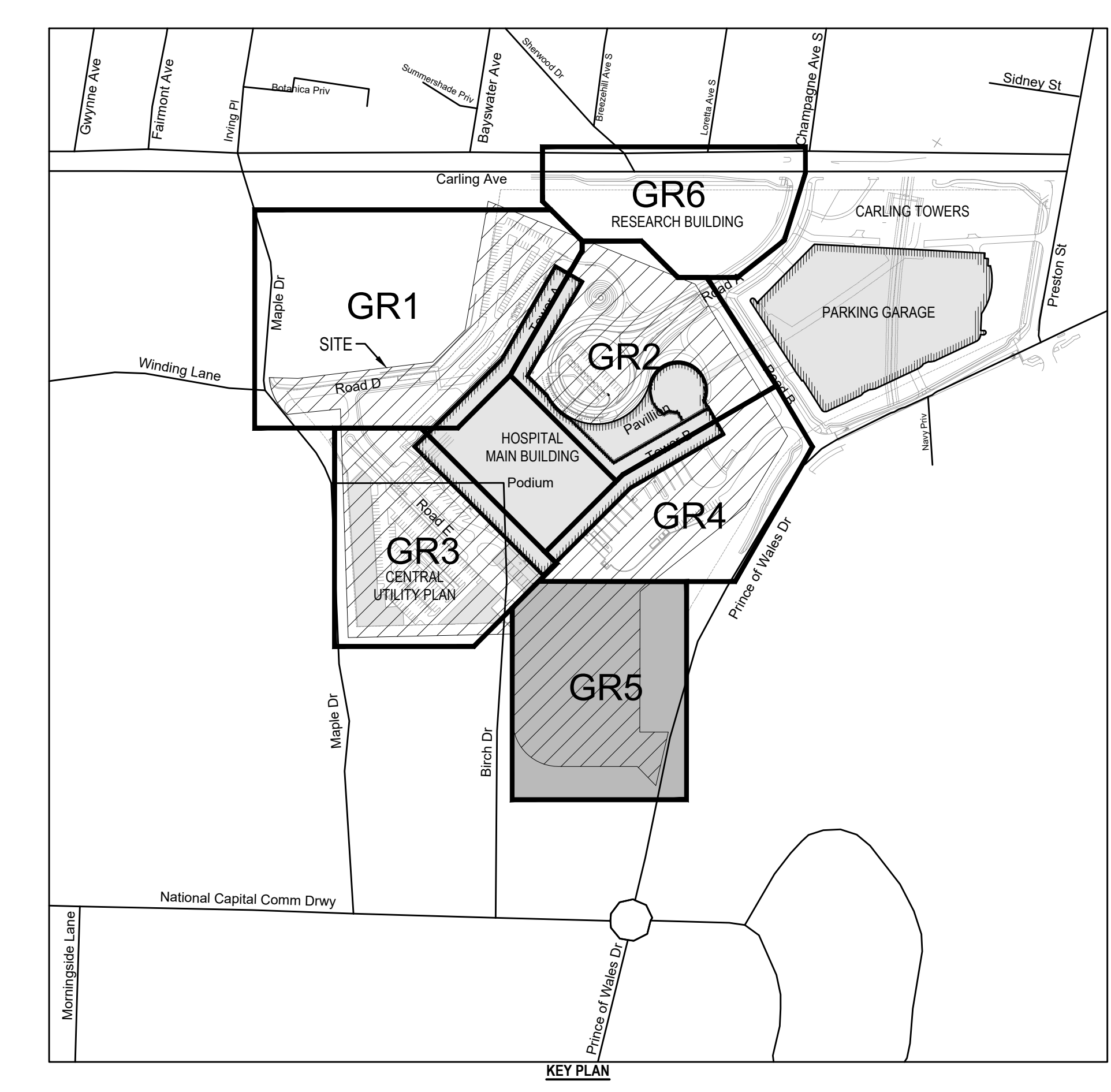


RECOMMENDED PAVEMENT STRUCTURE - PARKING AREAS	
THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
100	SUPERPAVE 19.5mm BINDER COURSE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - LOCAL ROUTES	
THICKNESS(mm)	MATERIAL DESCRIPTION
40	SUPERPAVE 12.5mm SURFACE COURSE
90	SUPERPAVE 19.5mm BINDER COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - COLLECTOR ROUTES	
THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm FCI SURFACE COURSE
90	SUPERPAVE 19.5mm BINDER COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - RIGID PAVEMENT	
THICKNESS(mm)	PORTLAND CEMENT CONCRETE
200	SUPERPAVE 12.5mm SURFACE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE



Project Manager	MB
Project Designer	JEG
Project Architect	JEF
Landscape Architect	JF Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Wayfinding	Collins

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 1ST SUBMISSION

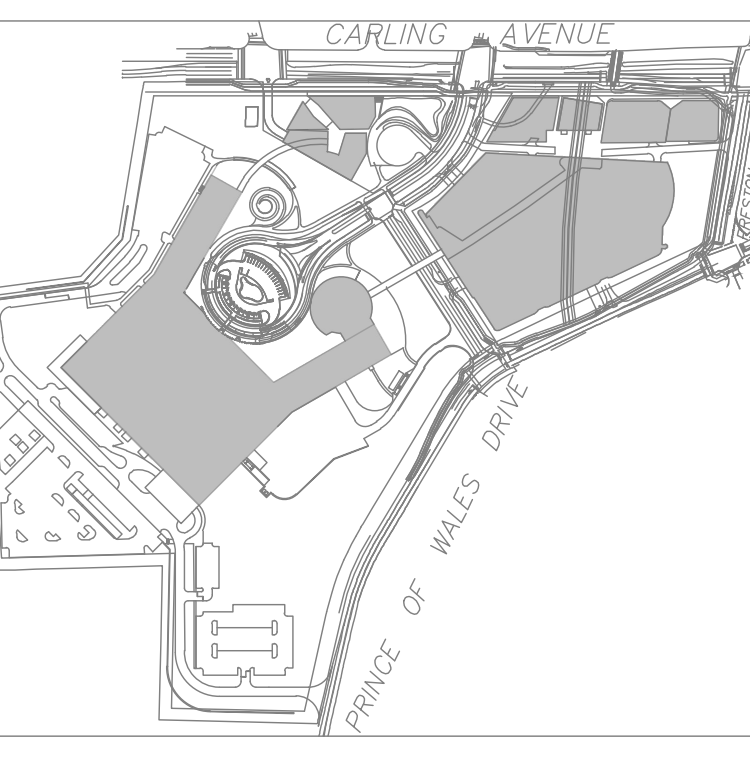
Project Number: 1033382
Original Issue: 04/27/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name:
GRADING PLAN 5 OF 5

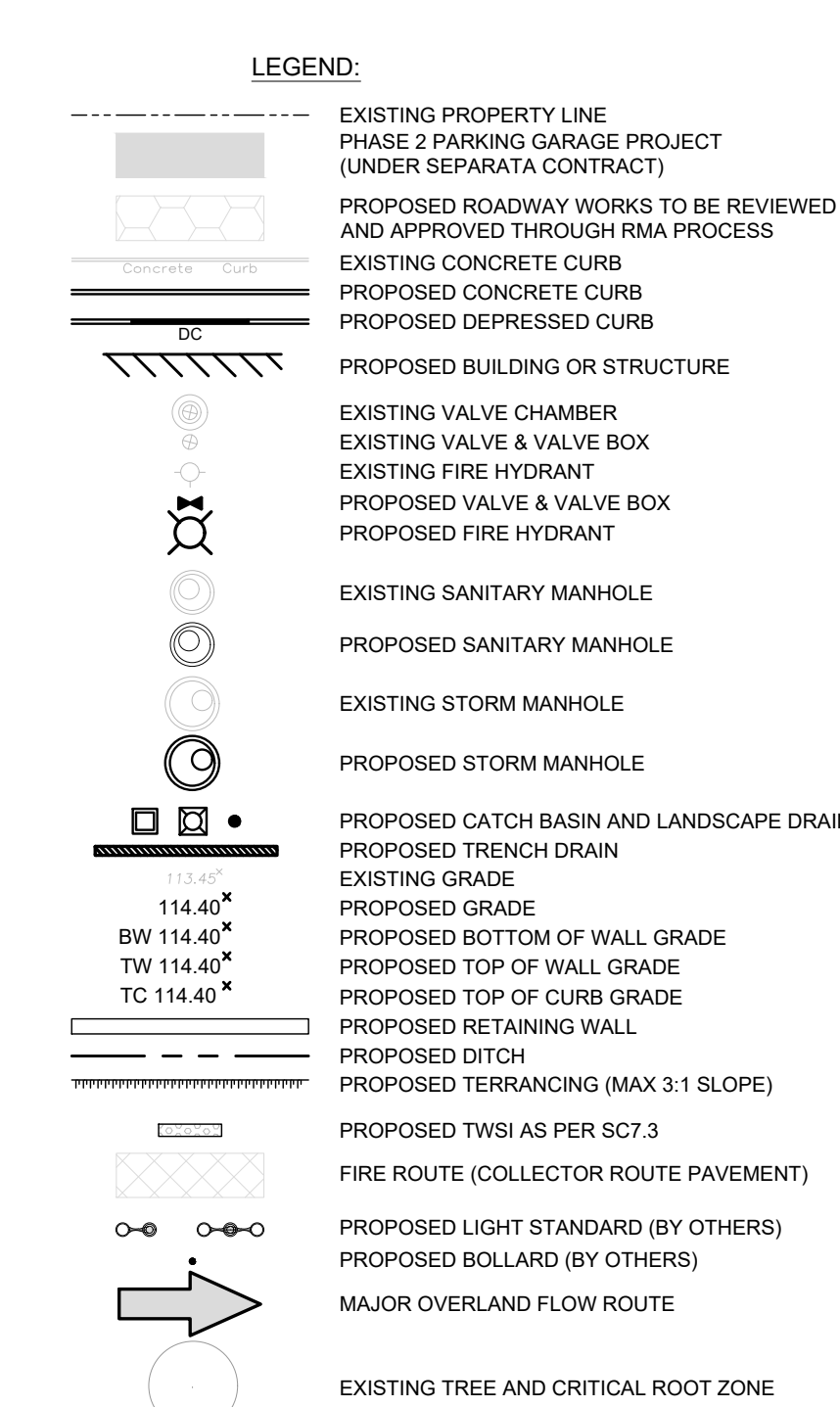
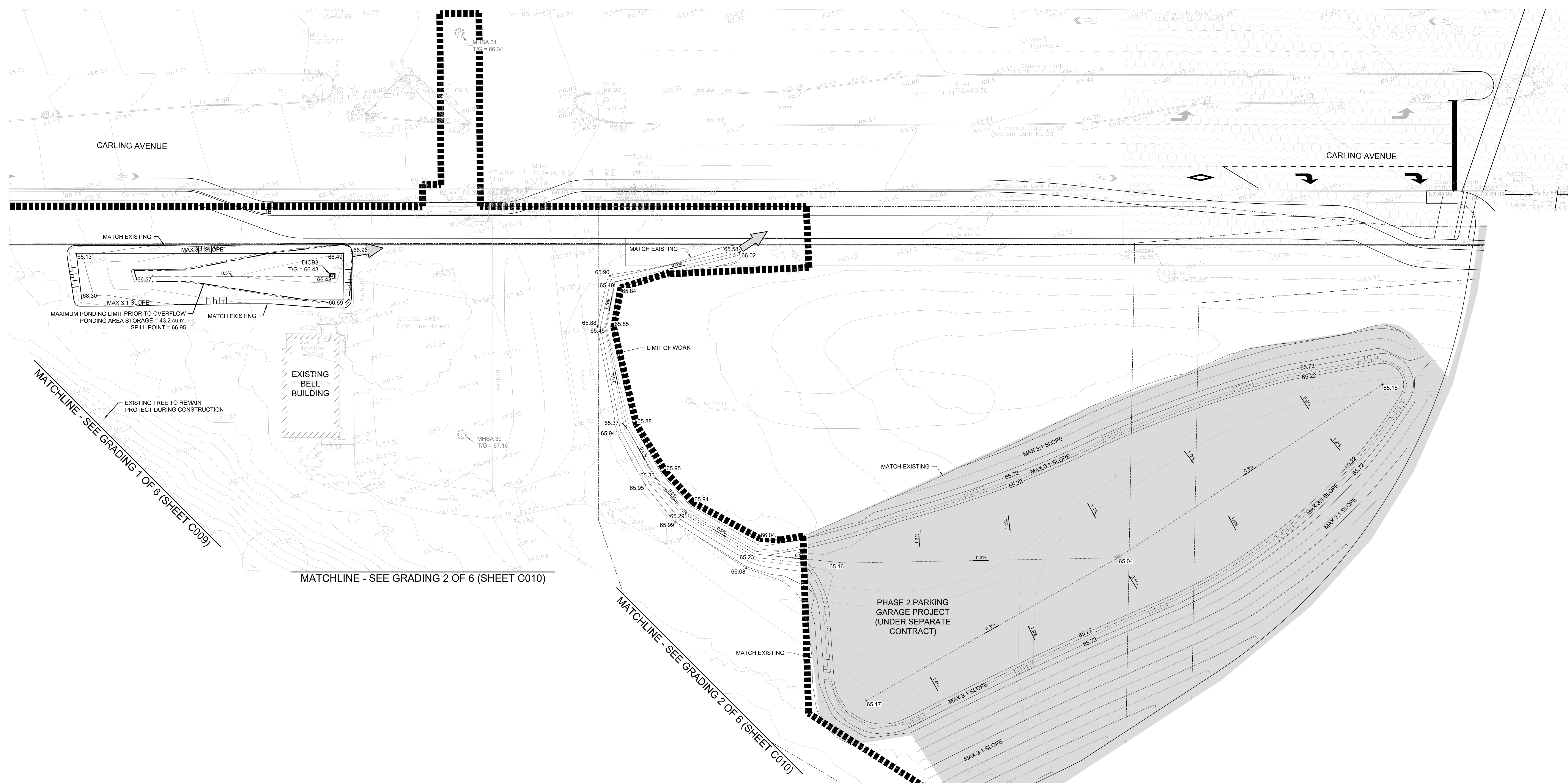
Sheet Number:
C013

Project Status:
STAGE 3



THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

- NOTES: GRADING
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILITY METRIC UNITS.
 - JOB BENCH MARK - REFER TO SURVEY BY ADV. LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH D2 ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIERS, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL, S.C.1. ELEVATIONS AT CURB INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
 - RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.
 - ABUTTING PROPERTY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCH BASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
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 - REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
 - REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
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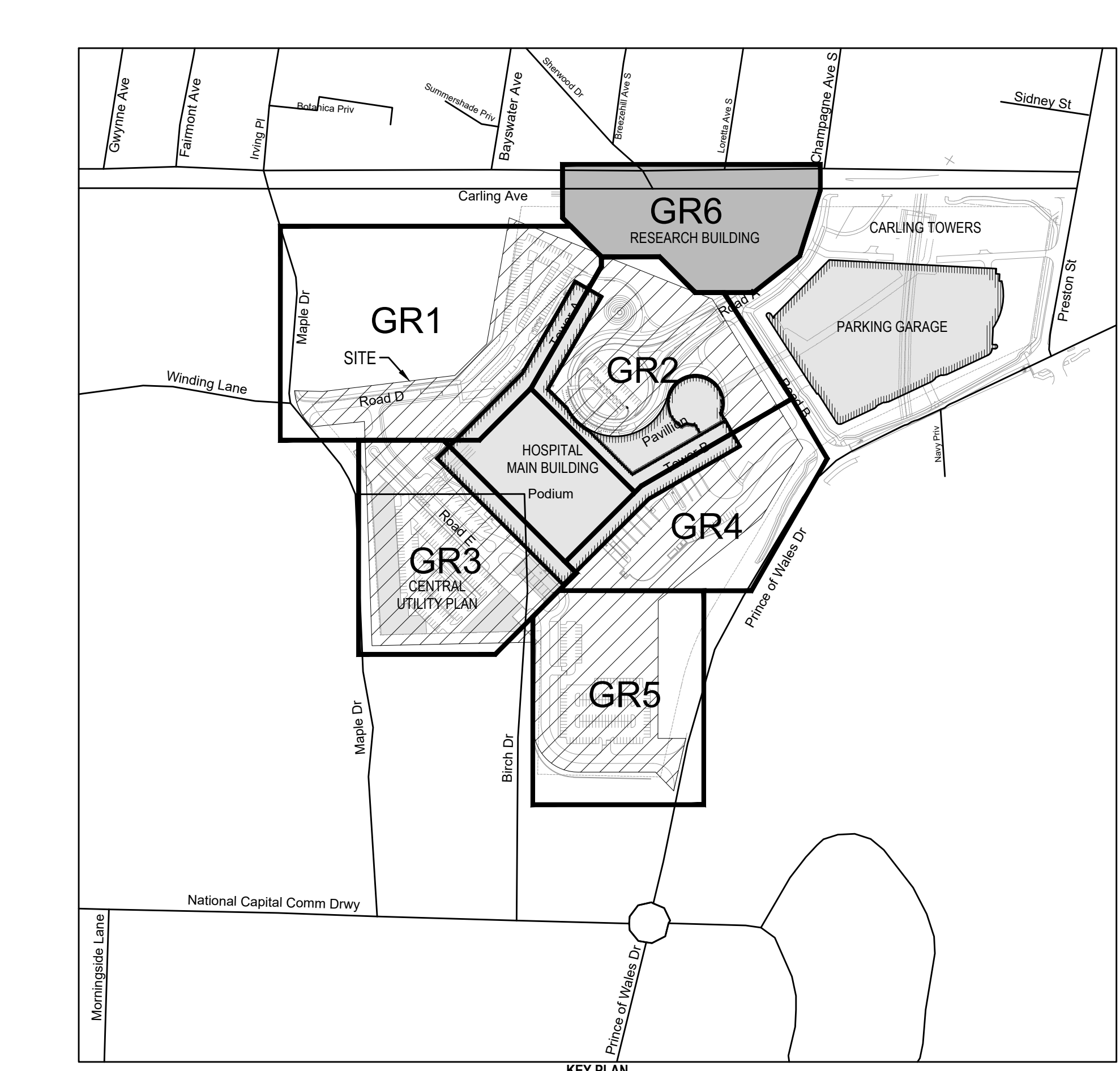
DRAFT

THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
100	SUPERPAVE 19.5mm BINDER COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 3 SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
40	SUPERPAVE 12.5mm SURFACE COURSE
50	SUPERPAVE 19.5mm BINDER COURSE
70	SUPERPAVE 19.5mm BINDER COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 3 SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 3 SUBBASE

THICKNESS(mm)	PORTLAND CEMENT CONCRETE
200	SUPERPAVE 12.5mm SURFACE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 3 SUBBASE



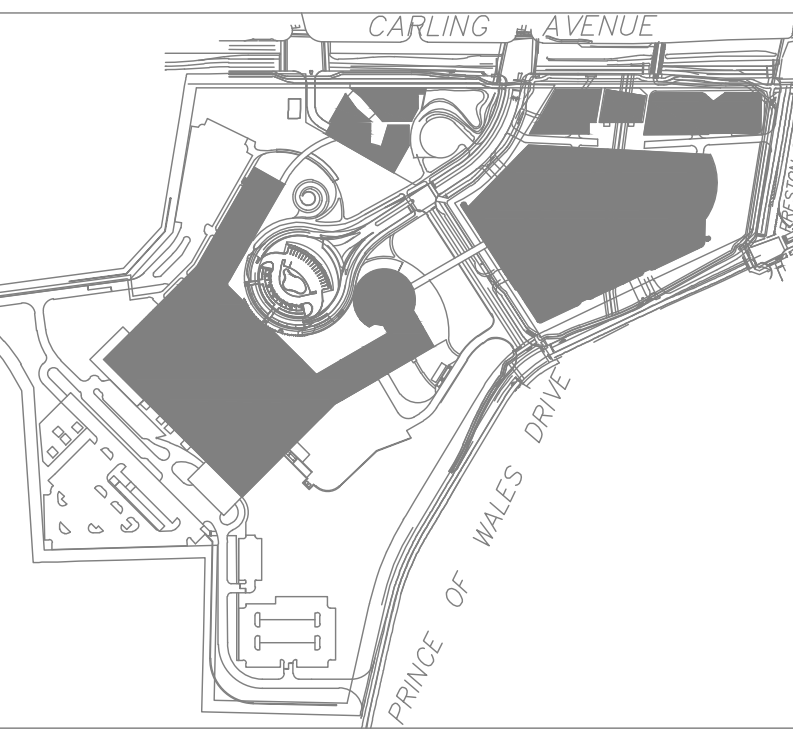
Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JFF/Fah
Civil Engineer	Civil Engineer
Structural Engineer	ENR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Wayfinding	Collins

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 15% SUBMISSION

Project Number: 1033382
Original Issue: 04/2/22

Sheet Name: GRADING PLAN 6 OF 6

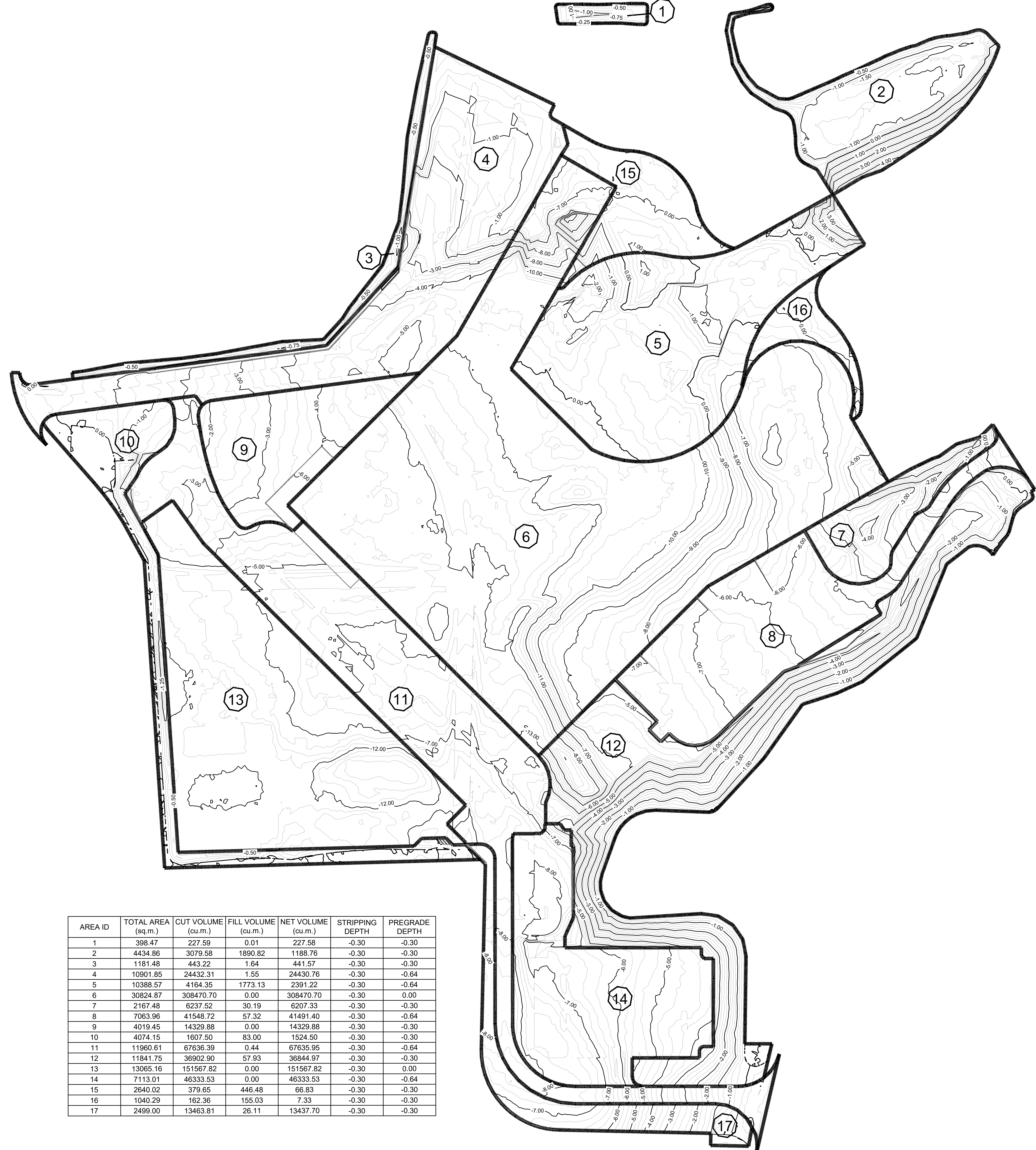
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Project Status: STAGE 3



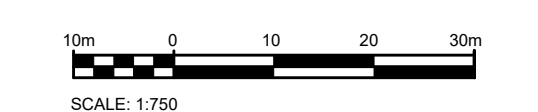
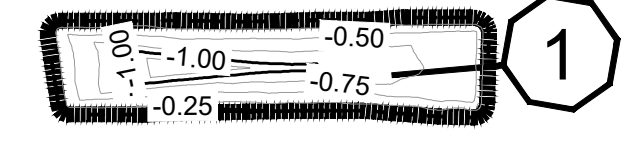
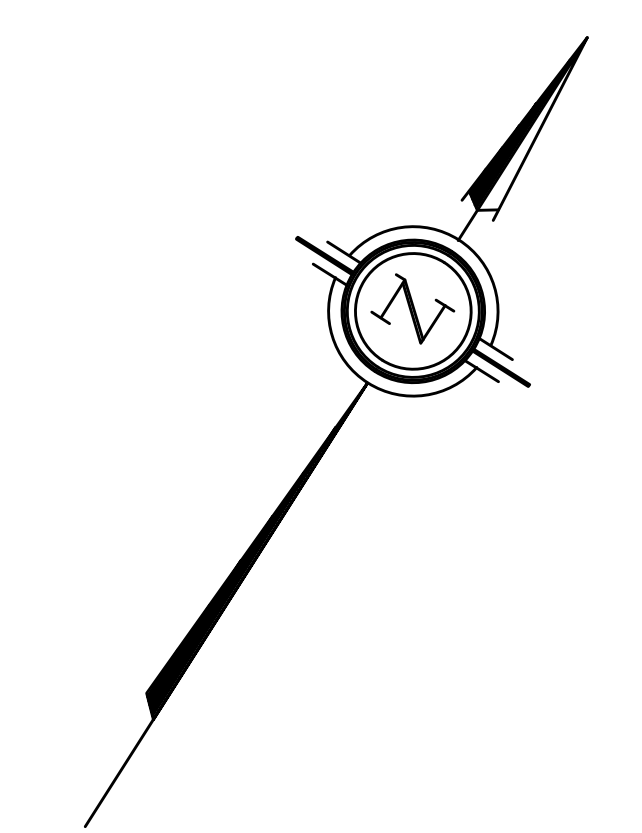
THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP



DRAFT



AREA ID	TOTAL AREA (sq. m.)	CUT VOLUME (cu. m.)	FILL VOLUME (cu. m.)	NET VOLUME (cu. m.)	STRIPPING DEPTH	PREGRADE DEPTH
1	398.47	227.59	0.01	227.58	-0.30	-0.30
2	4434.86	3079.58	1890.82	1188.76	-0.30	-0.30
3	1181.48	443.22	1.64	441.57	-0.30	-0.30
4	10901.85	24432.31	1.55	24430.76	-0.30	-0.64
5	10388.57	4164.35	1773.13	2391.22	-0.30	-0.64
6	30824.87	308470.70	0.00	308470.70	-0.30	0.00
7	2167.48	6237.52	30.19	6207.33	-0.30	-0.30
8	7063.96	41548.72	57.32	41491.40	-0.30	-0.64
9	4019.45	14329.88	0.00	14329.88	-0.30	-0.30
10	4074.15	1607.50	83.00	1524.50	-0.30	-0.30
11	11960.81	67636.39	0.44	67635.95	-0.30	-0.64
12	11841.75	36902.90	57.93	36844.97	-0.30	-0.30
13	13065.16	151567.82	0.00	151567.82	-0.30	0.00
14	7113.01	46333.53	0.00	46333.53	-0.30	-0.64
15	2640.02	379.65	446.48	66.83	-0.30	-0.30
16	1040.29	162.36	155.03	7.33	-0.30	-0.30
17	2499.00	13463.81	26.11	13437.70	-0.30	-0.30



Project Manager	MS
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JFF/Fah
Civil Engineer	EVE
Structural Engineer	EVE
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Wayfinding	

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPIC & TULUCA - 15% SUBMISSION

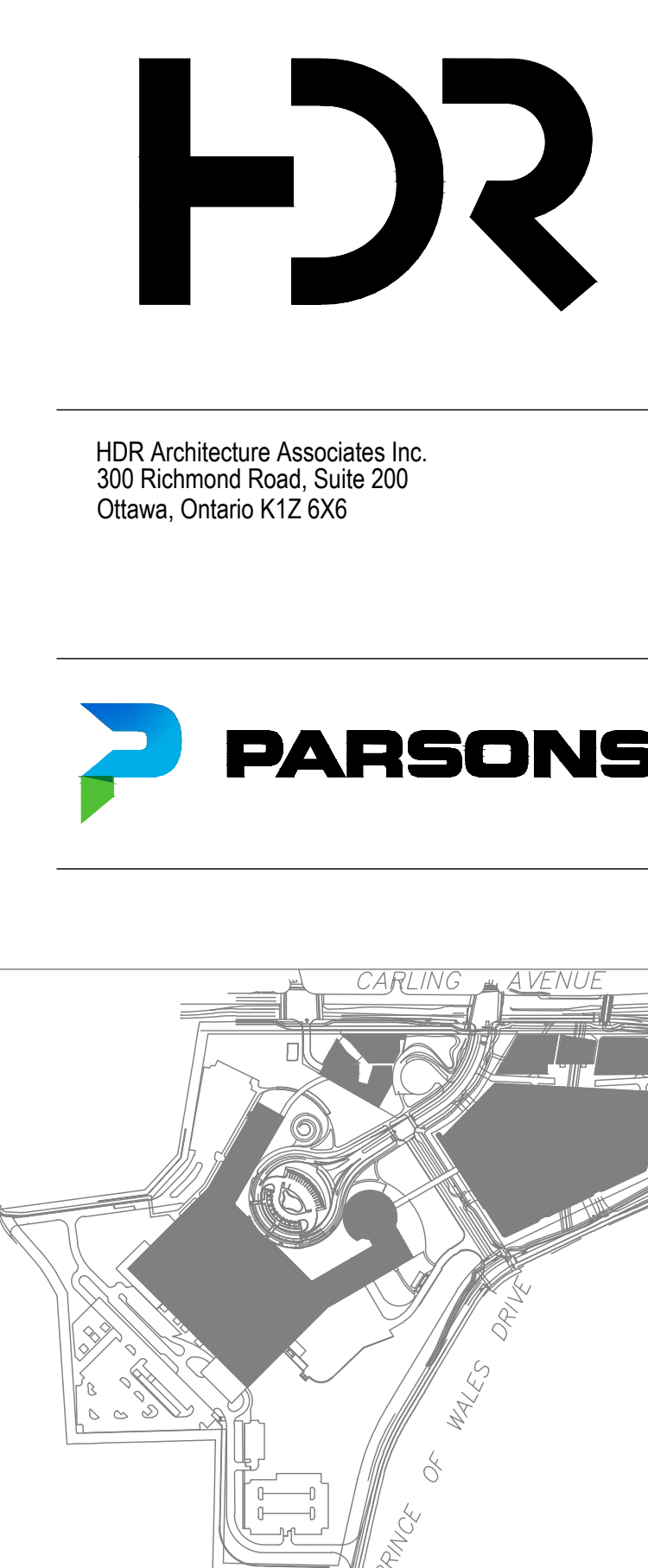
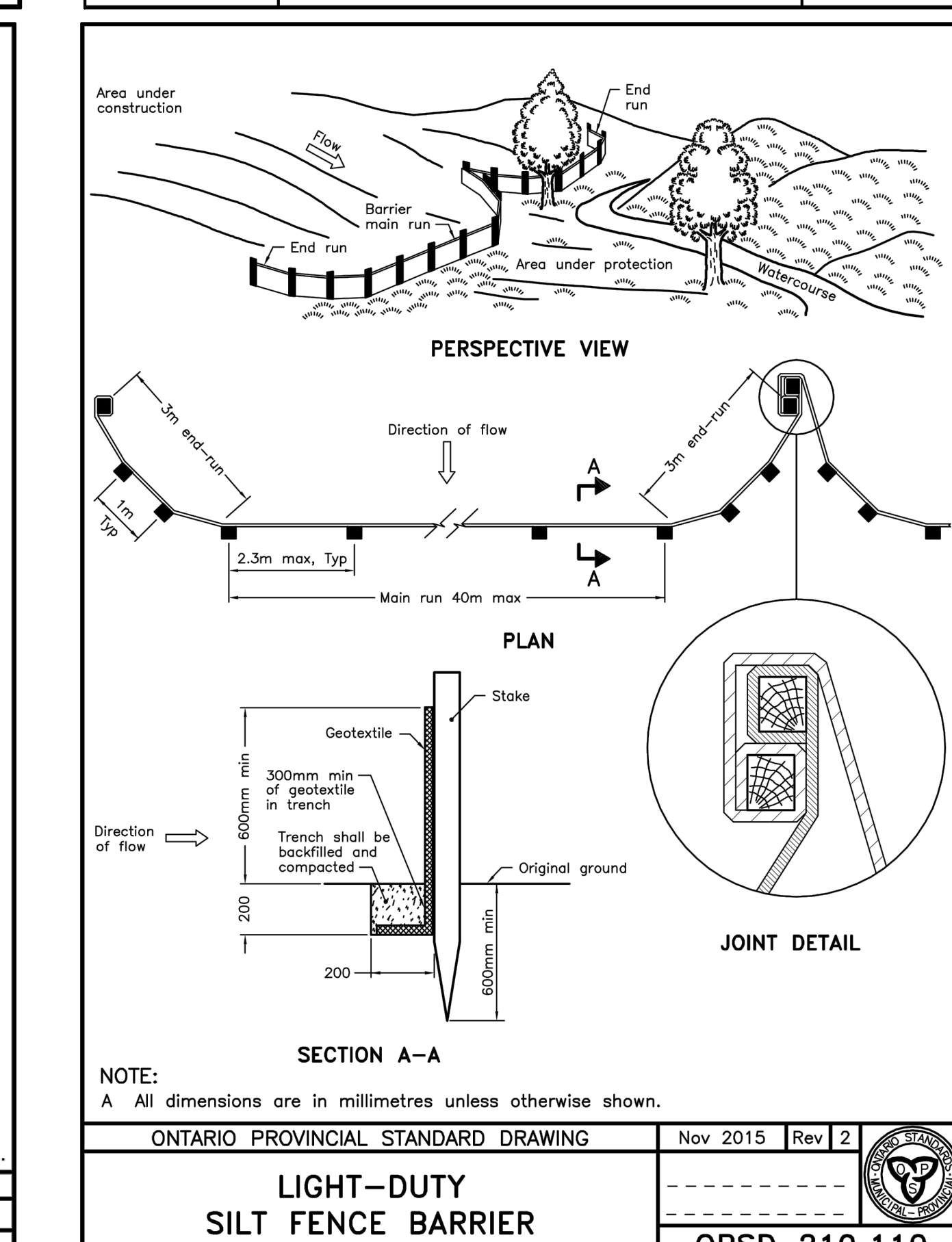
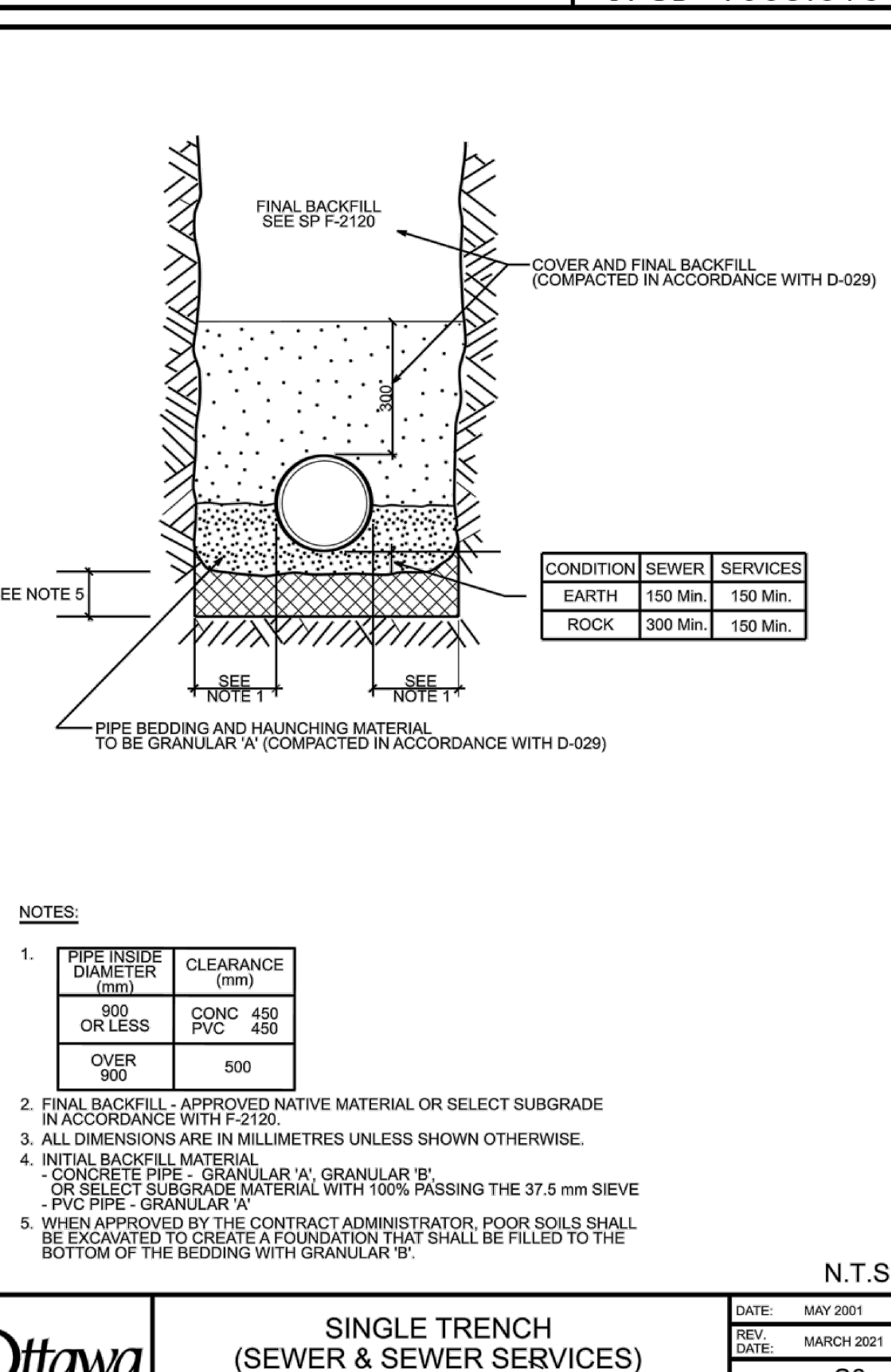
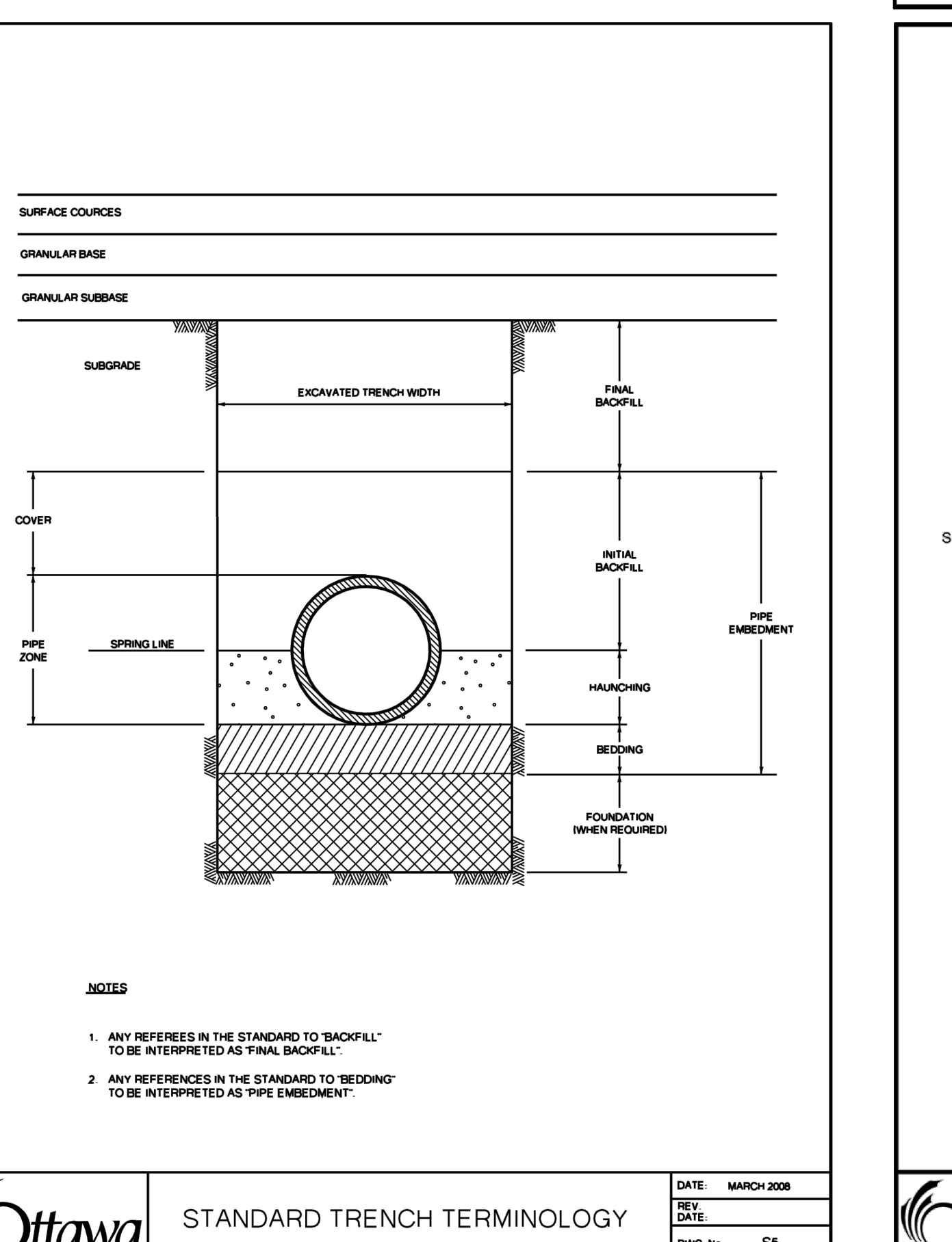
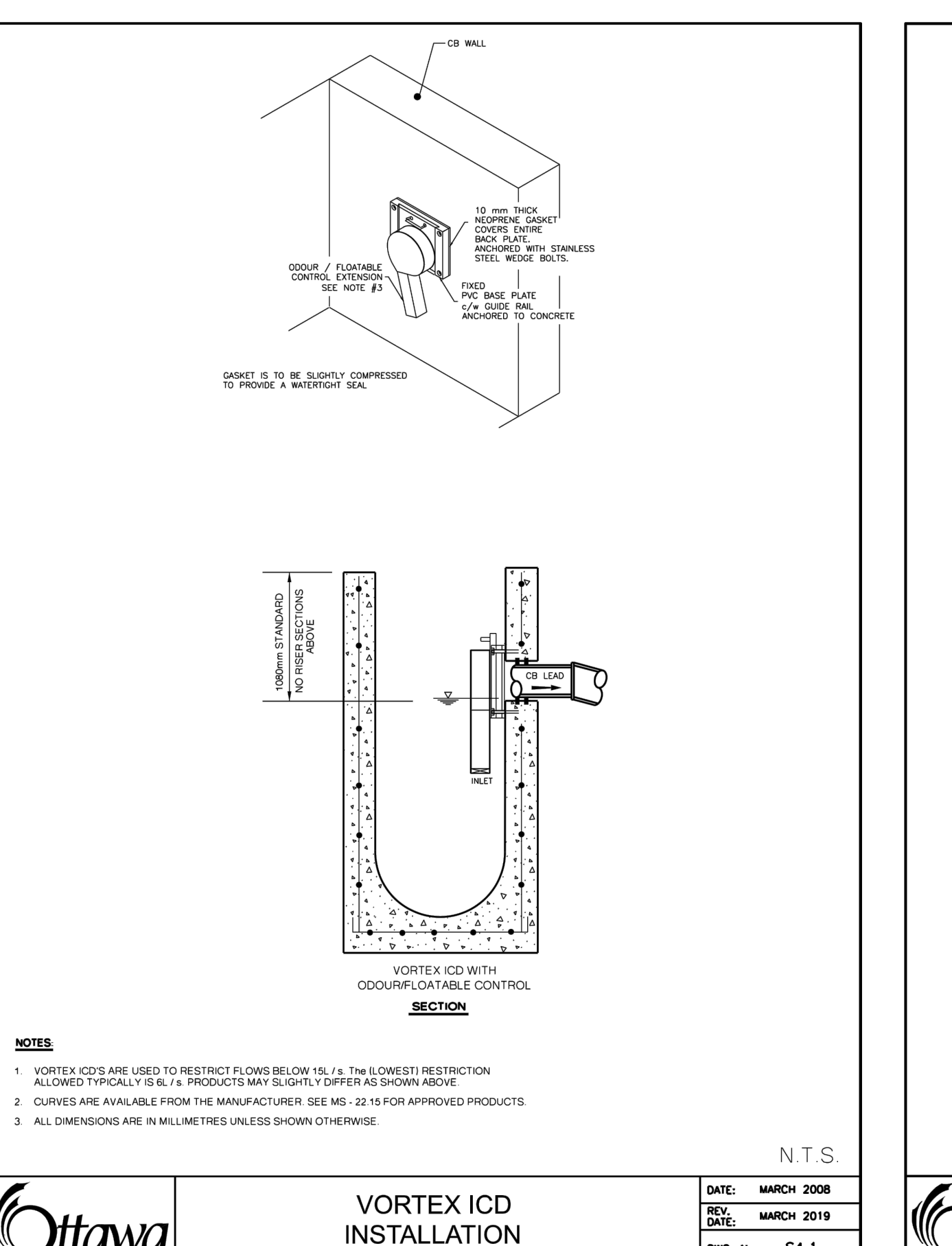
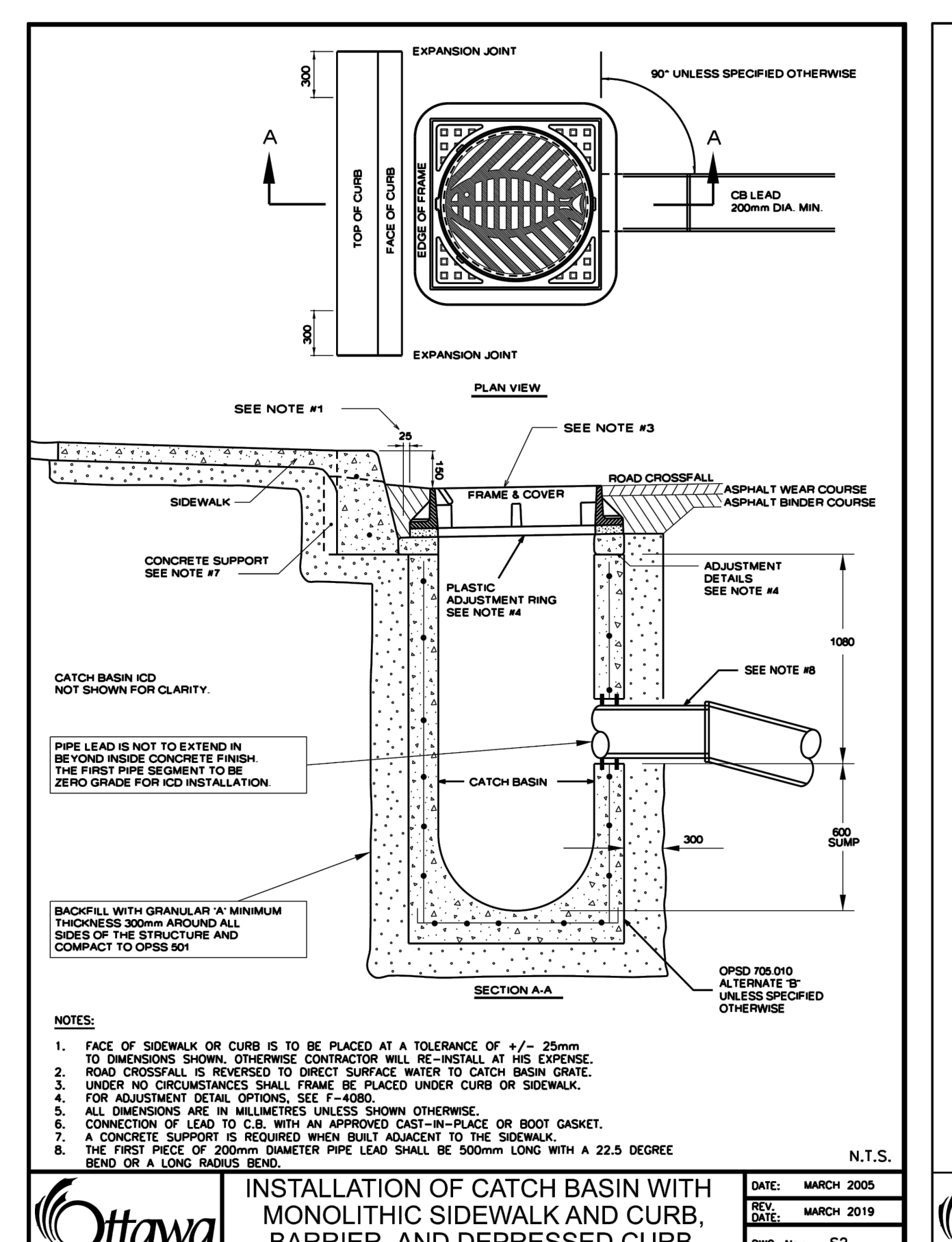
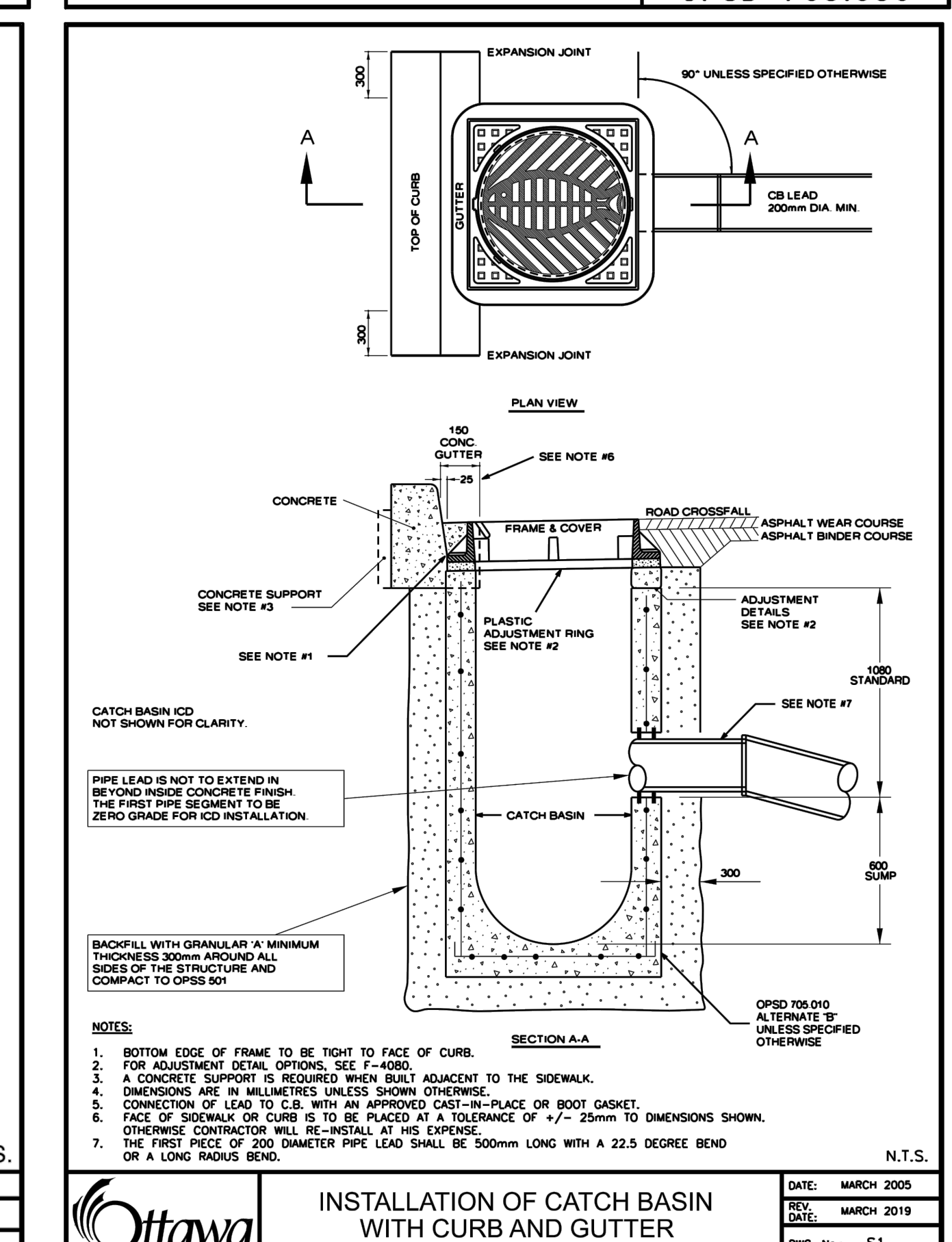
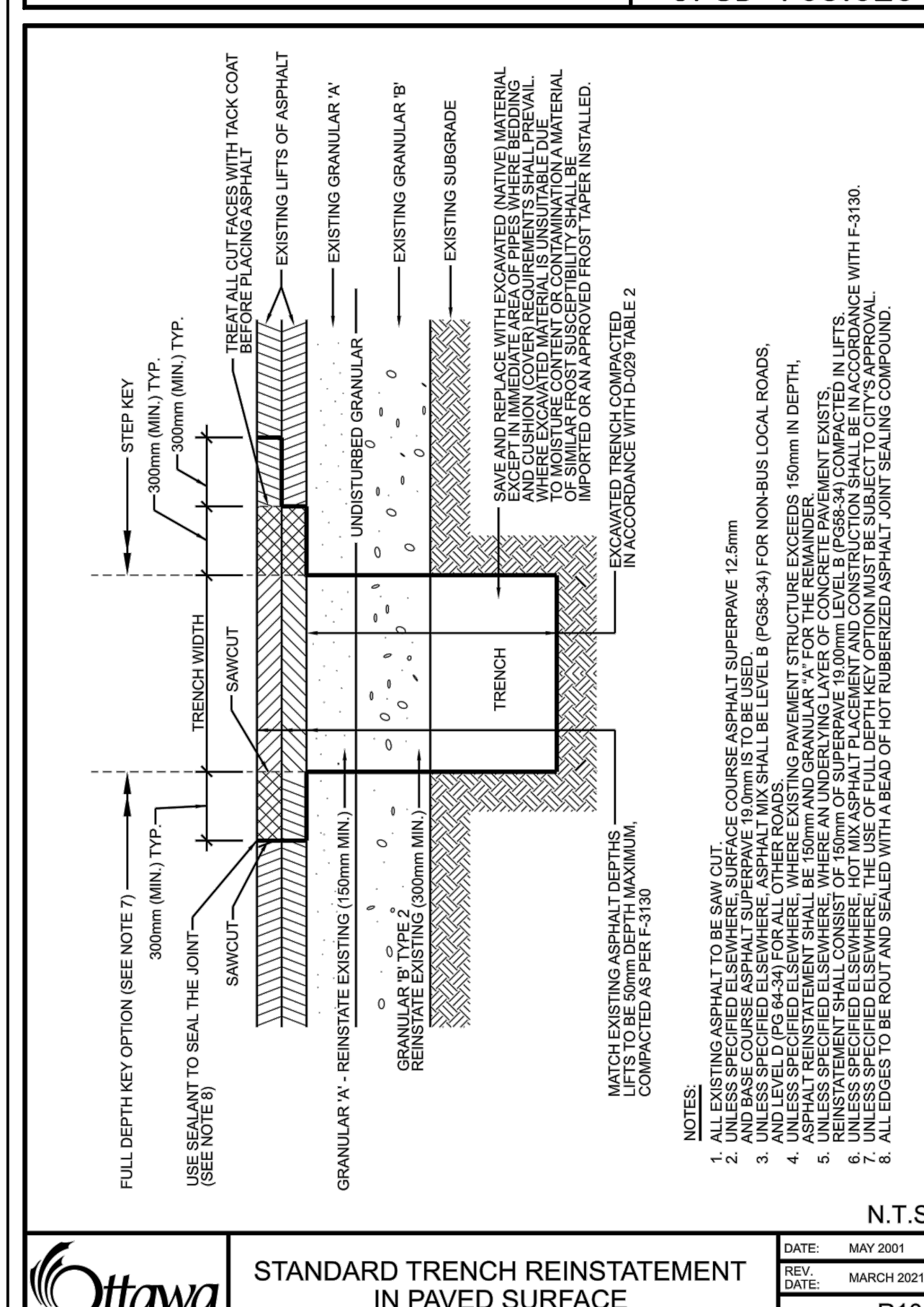
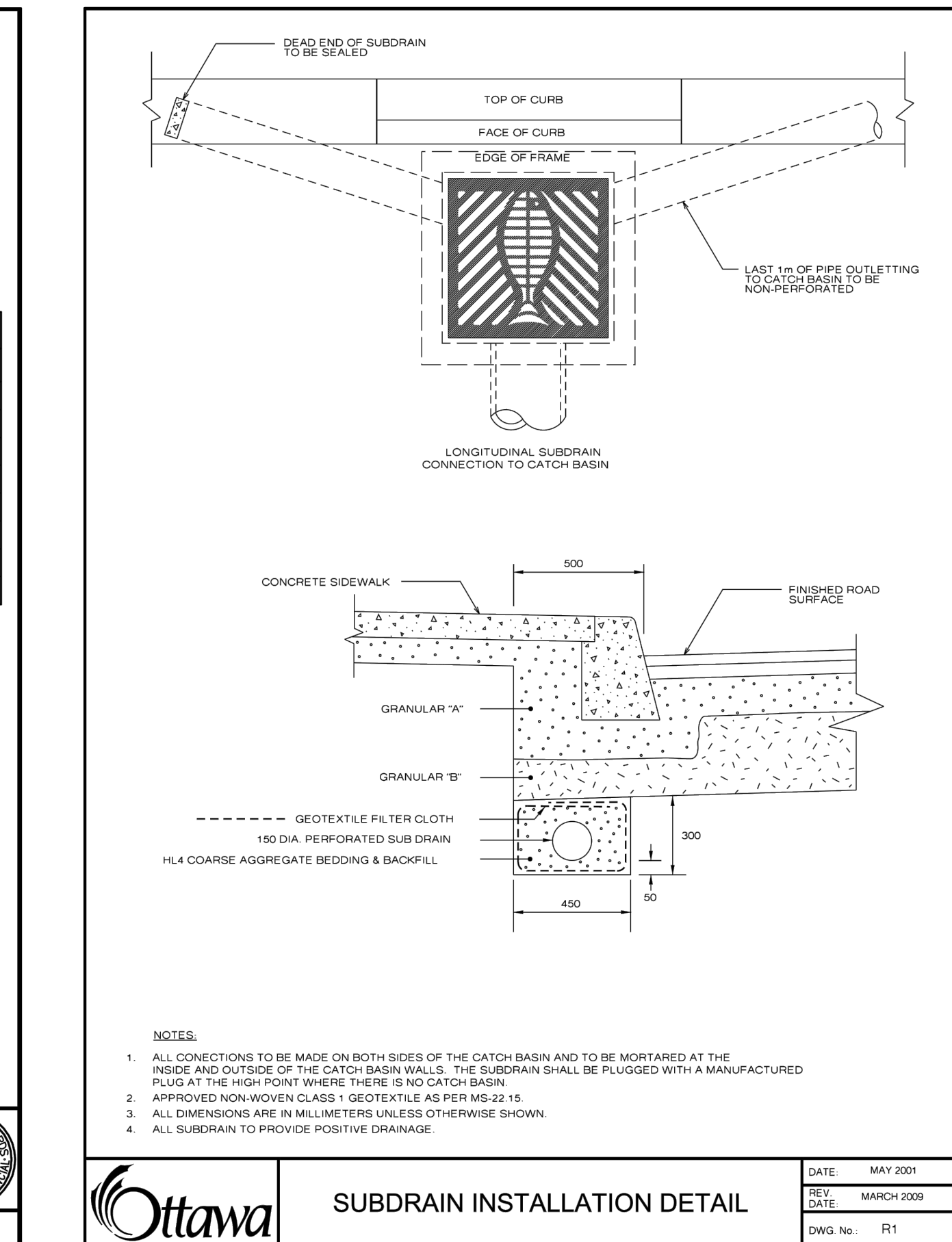
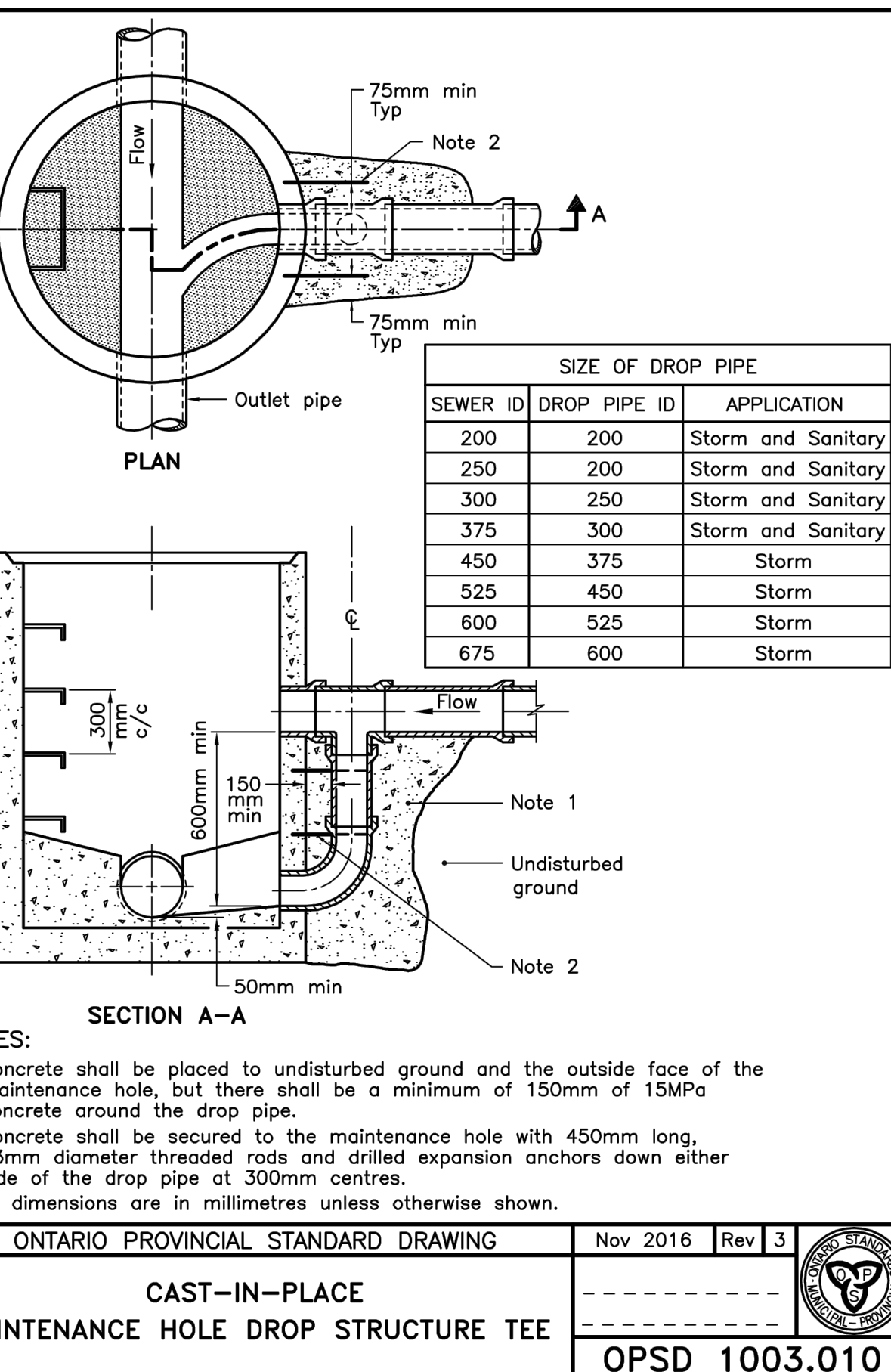
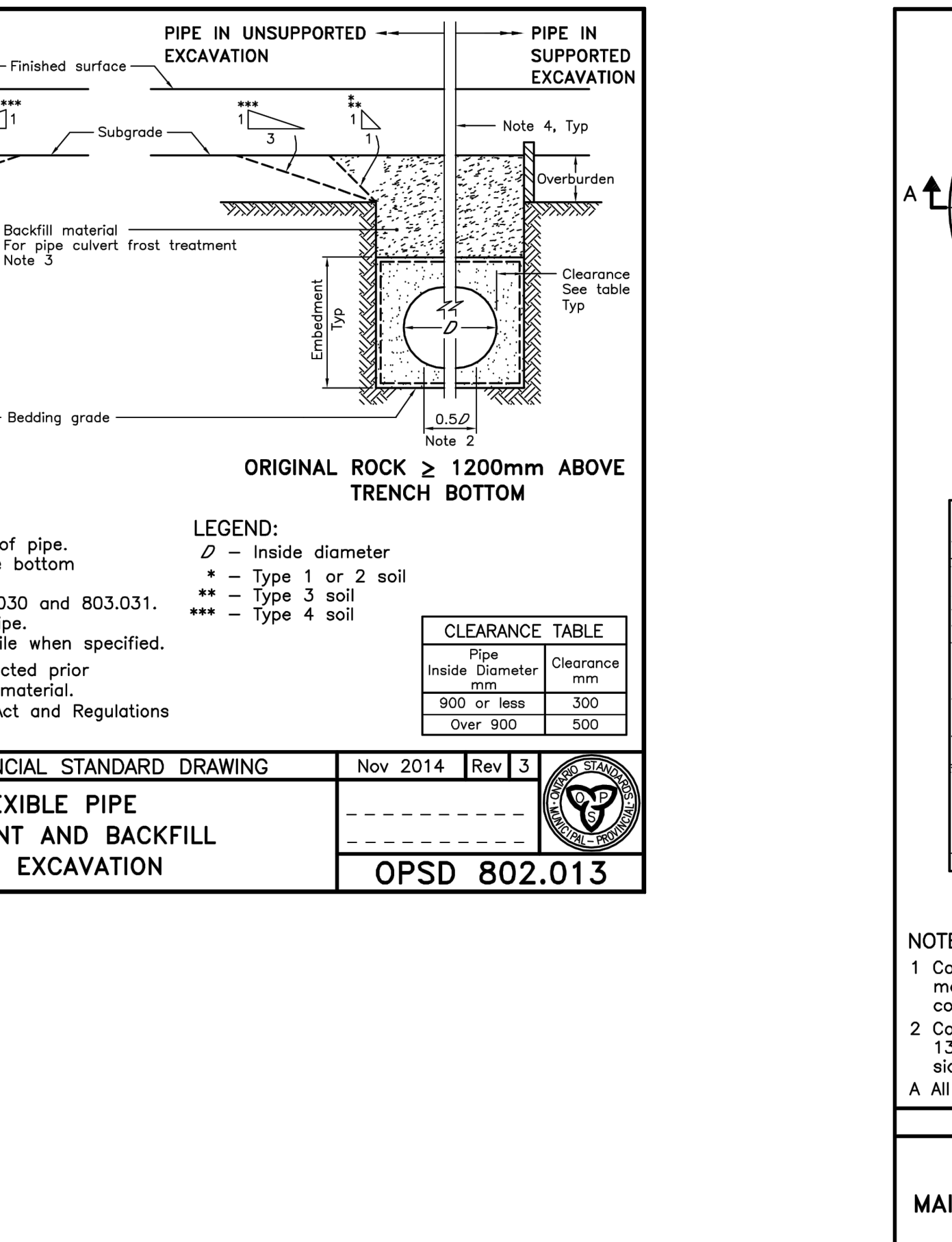
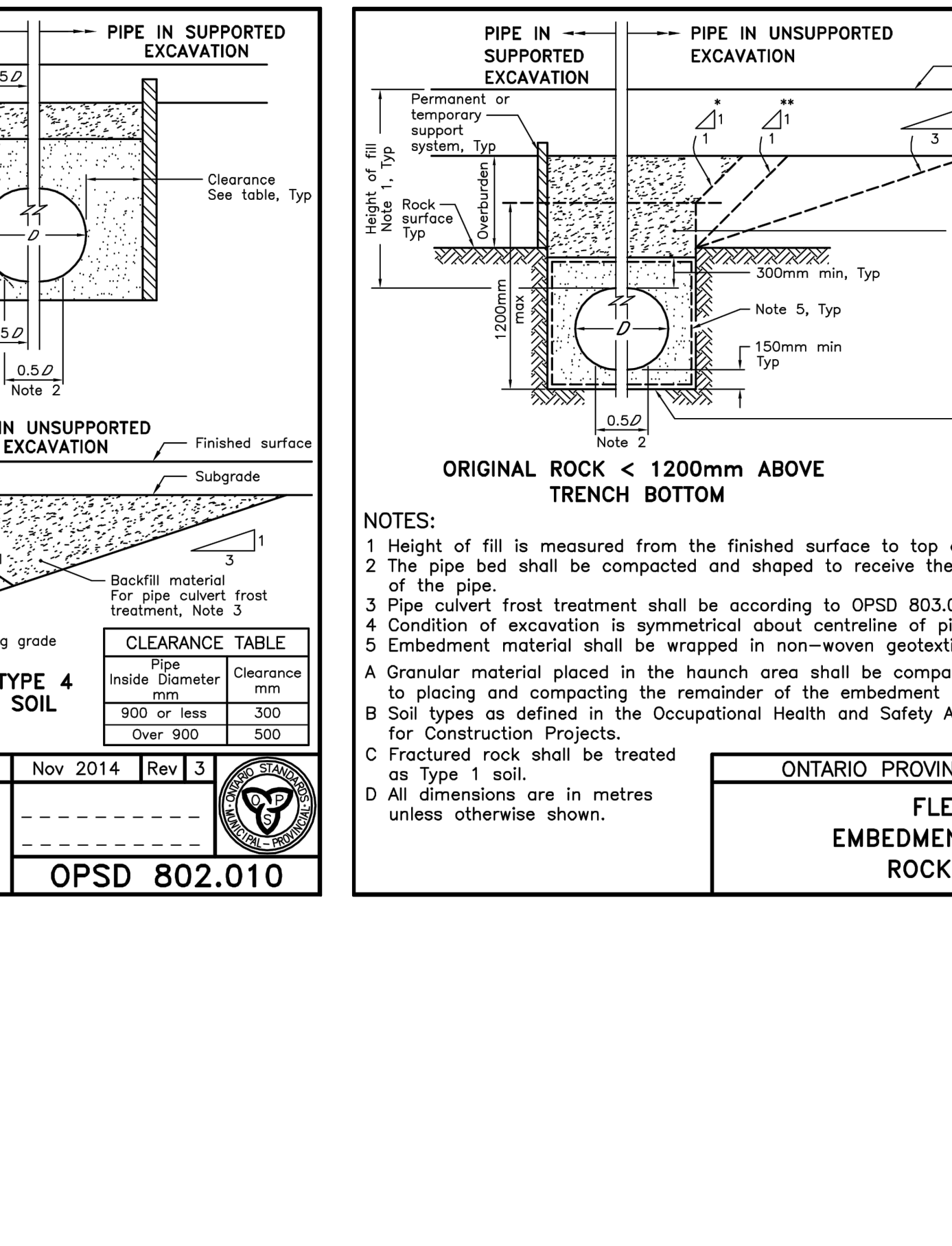
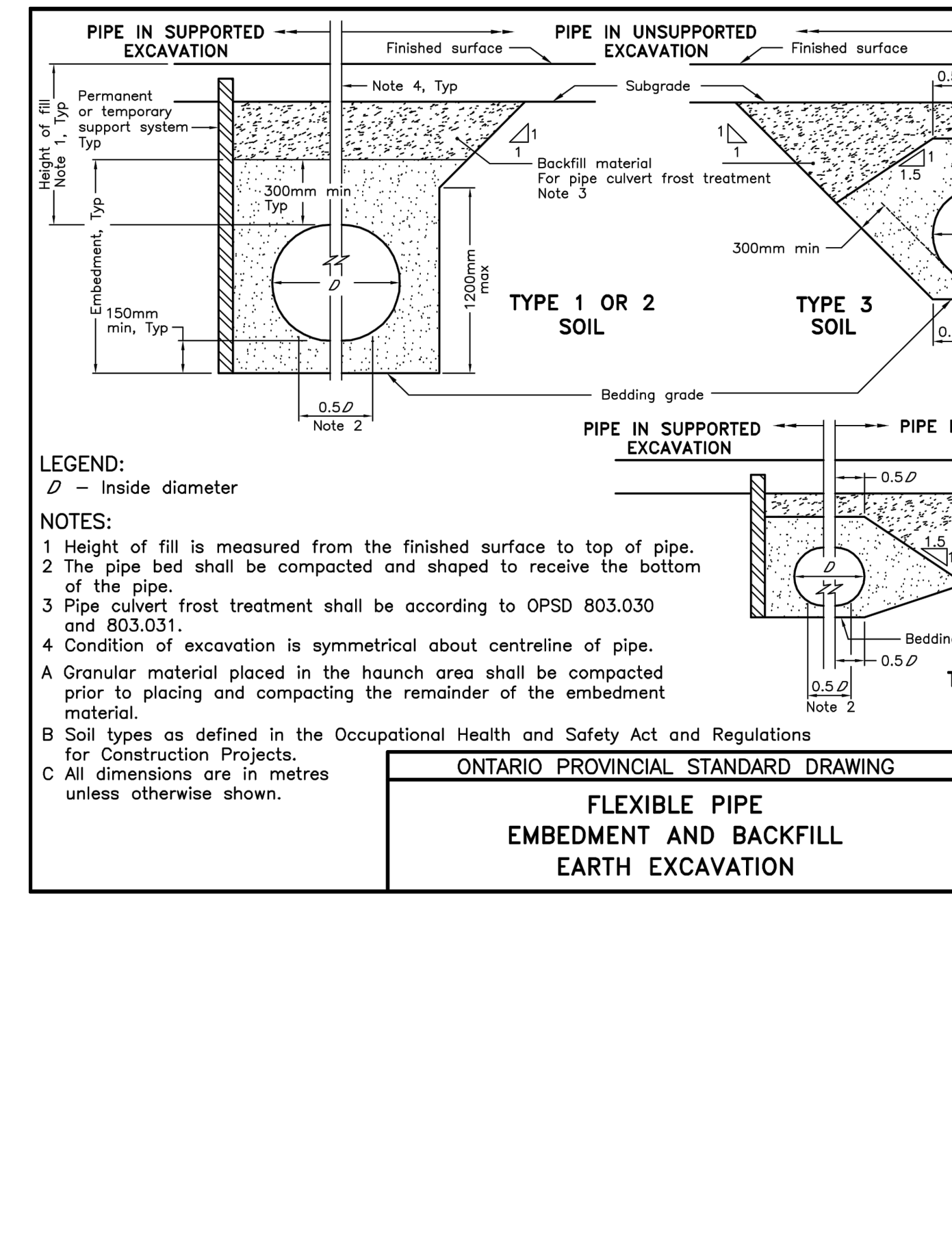
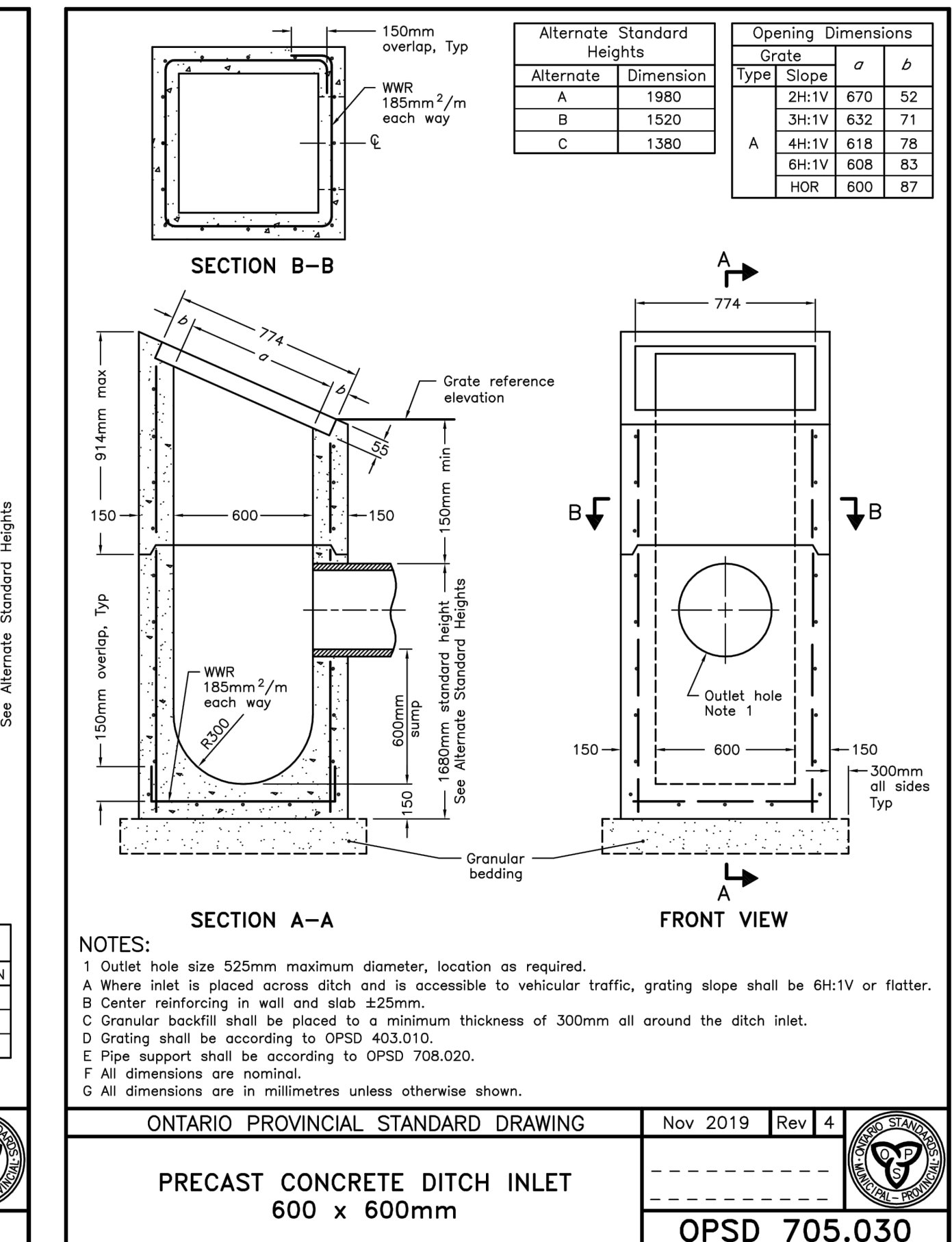
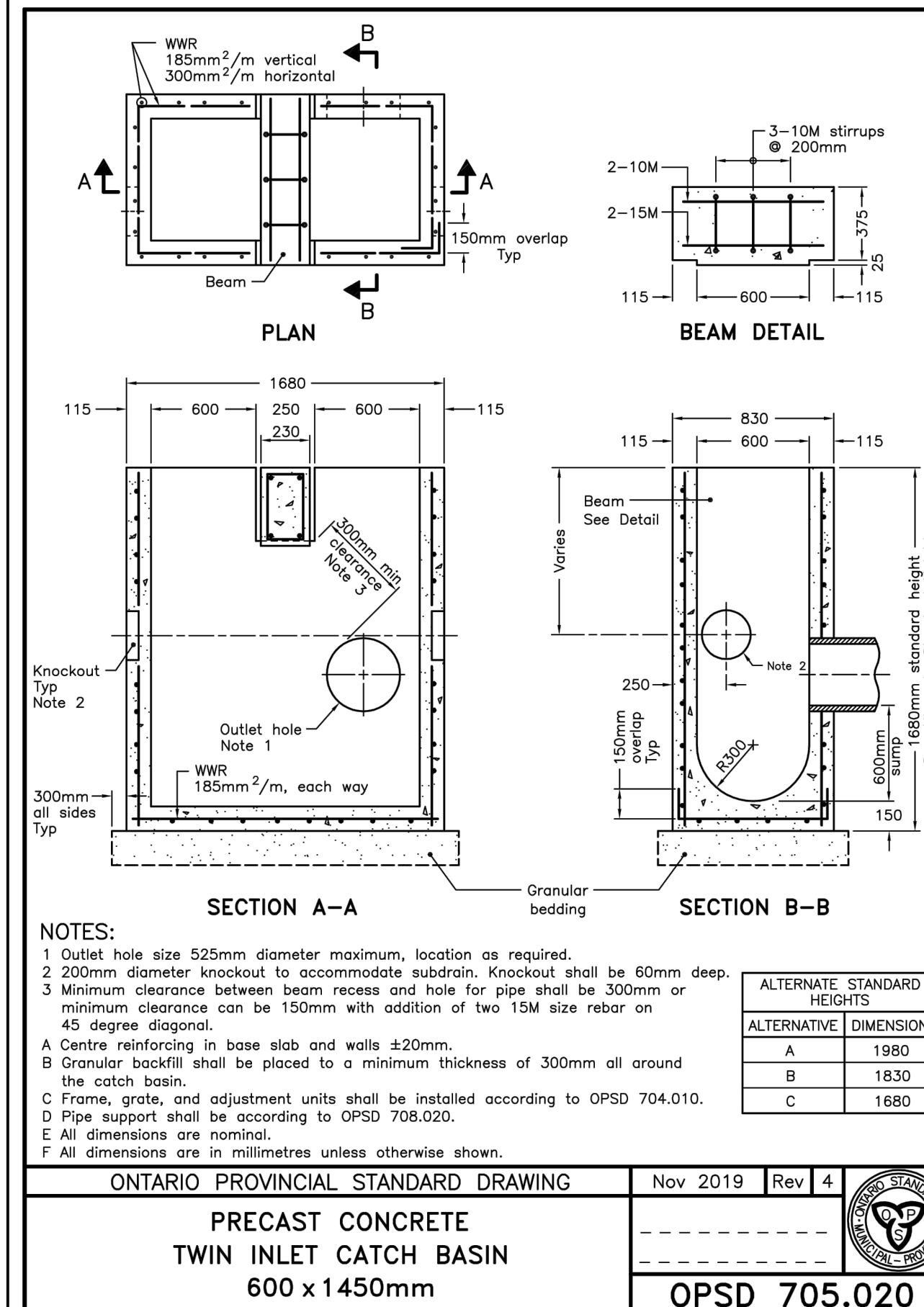
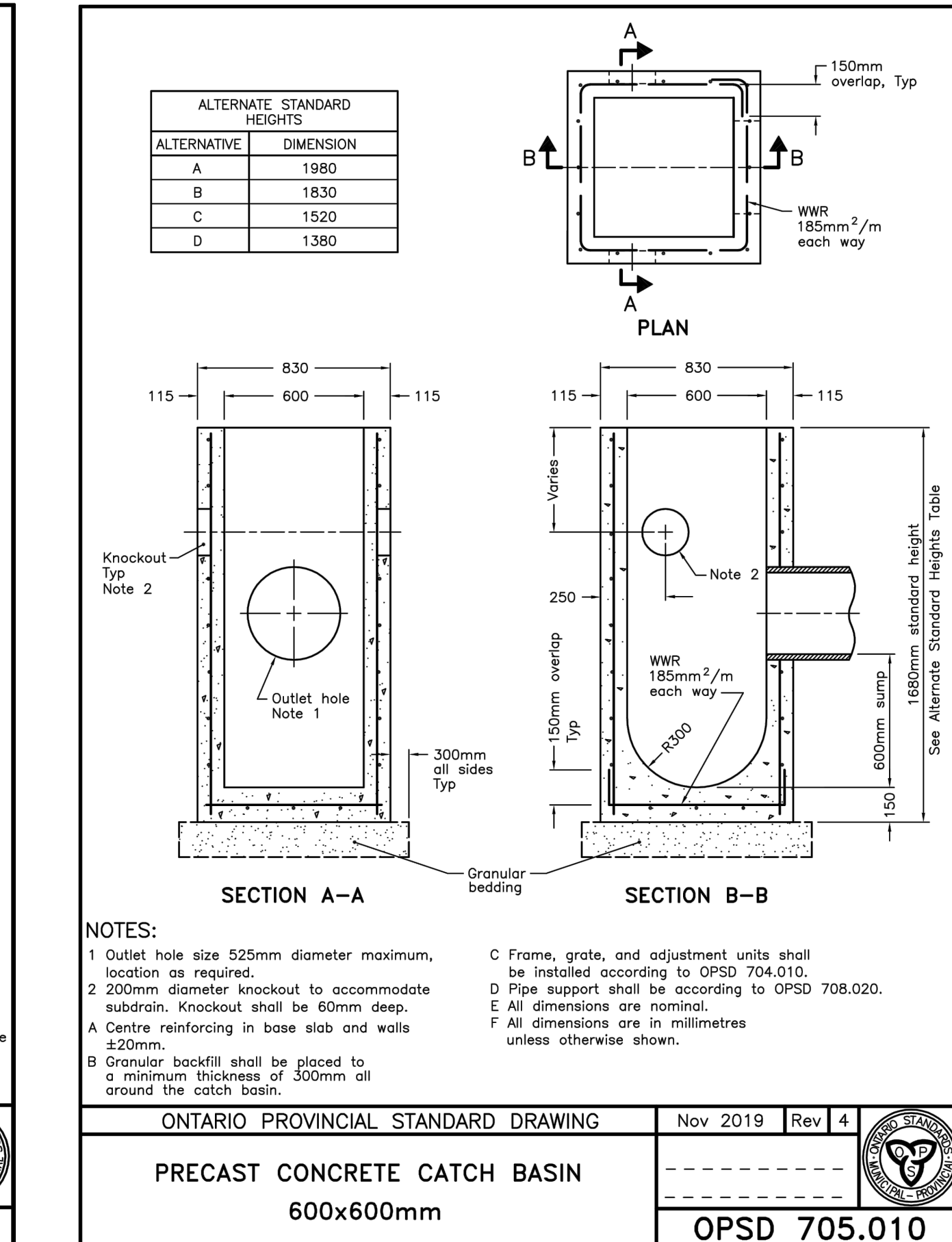
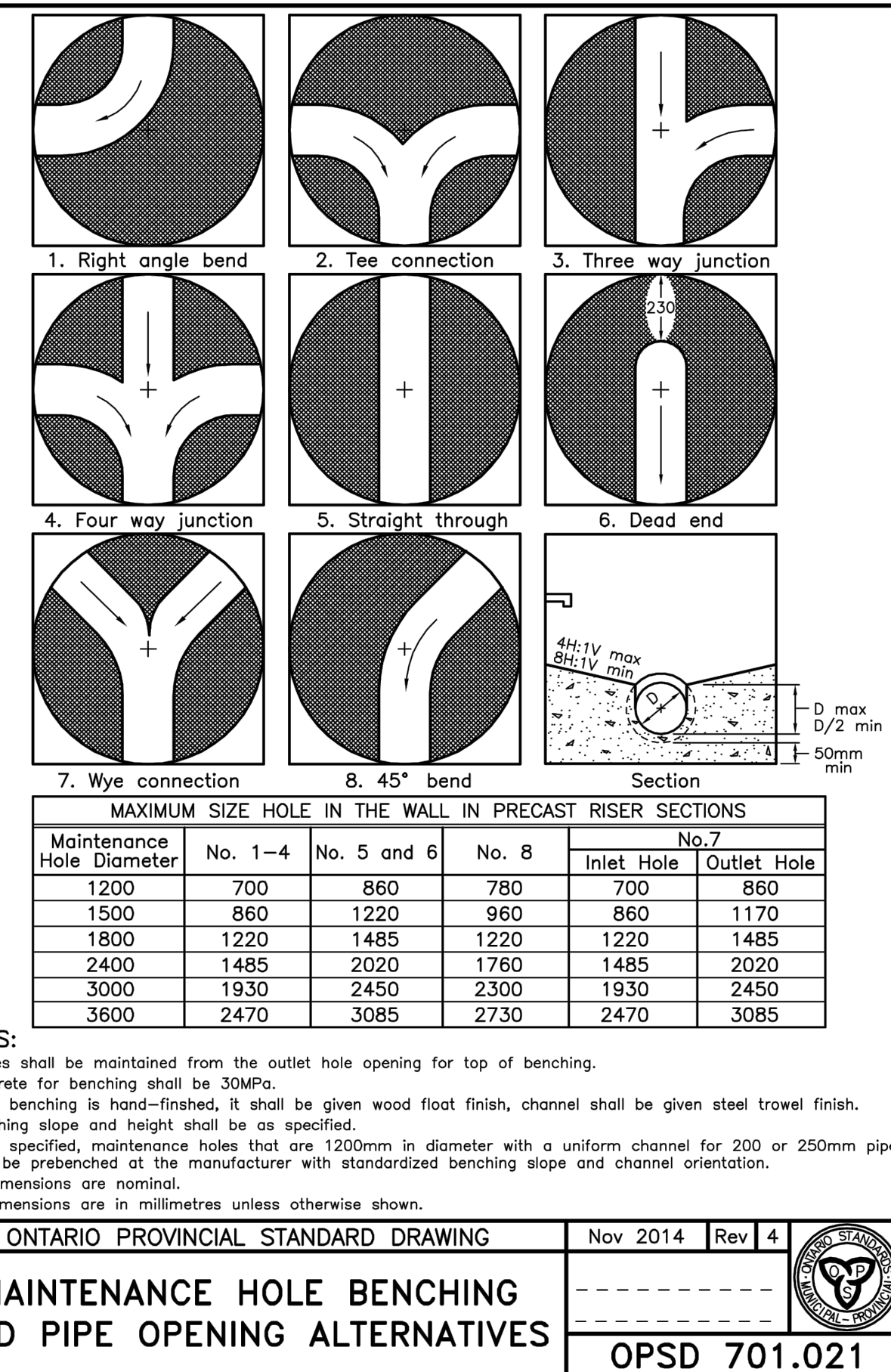
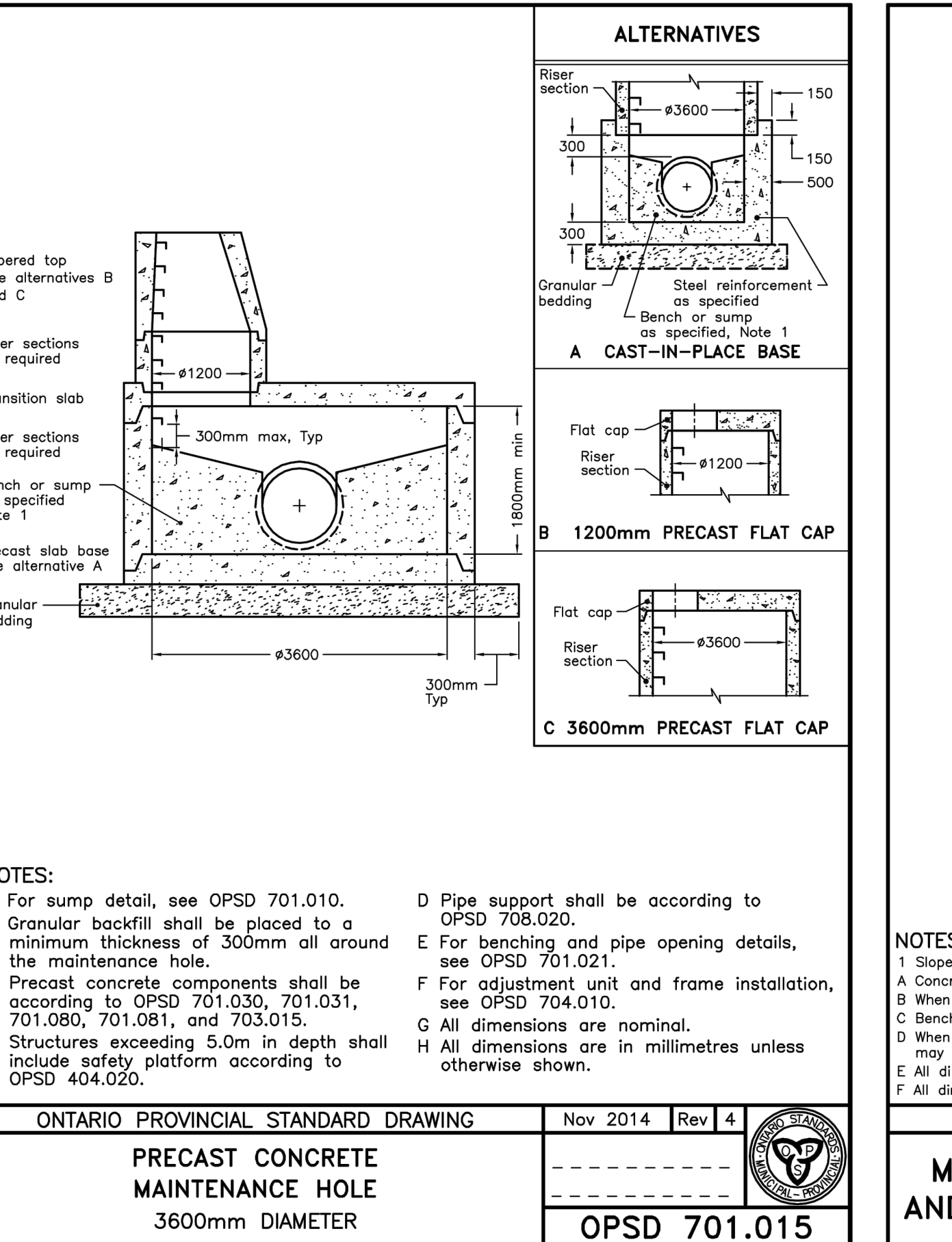
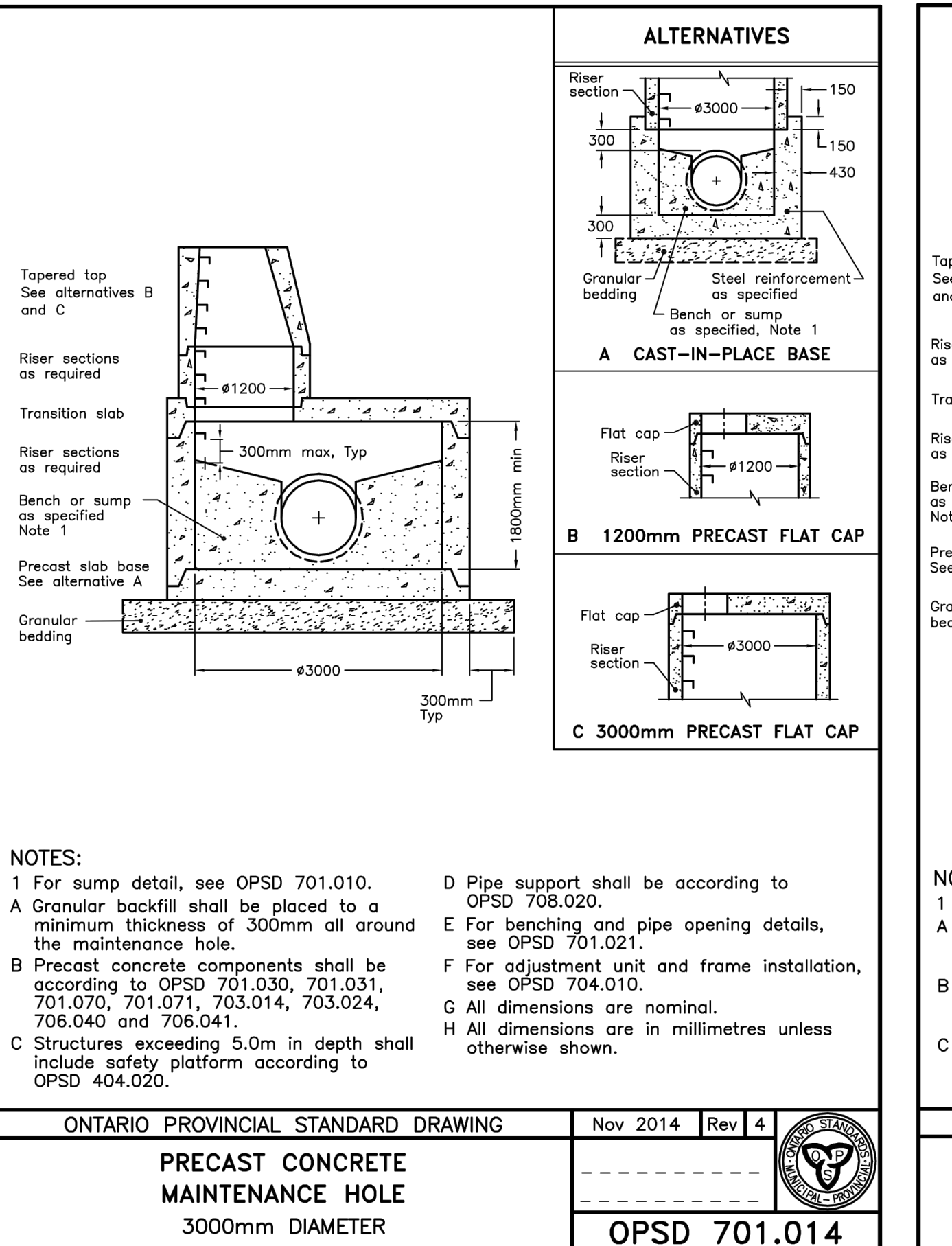
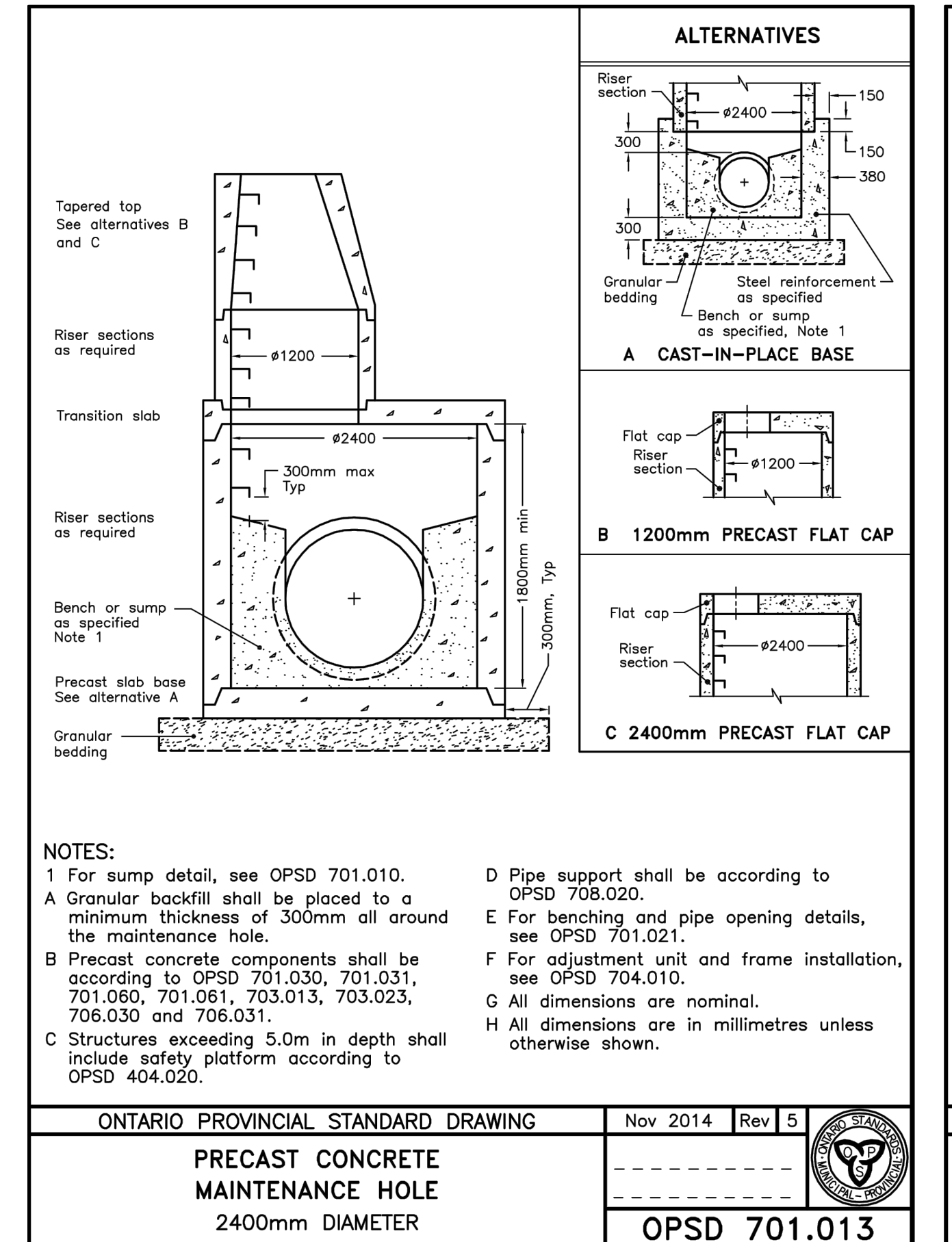
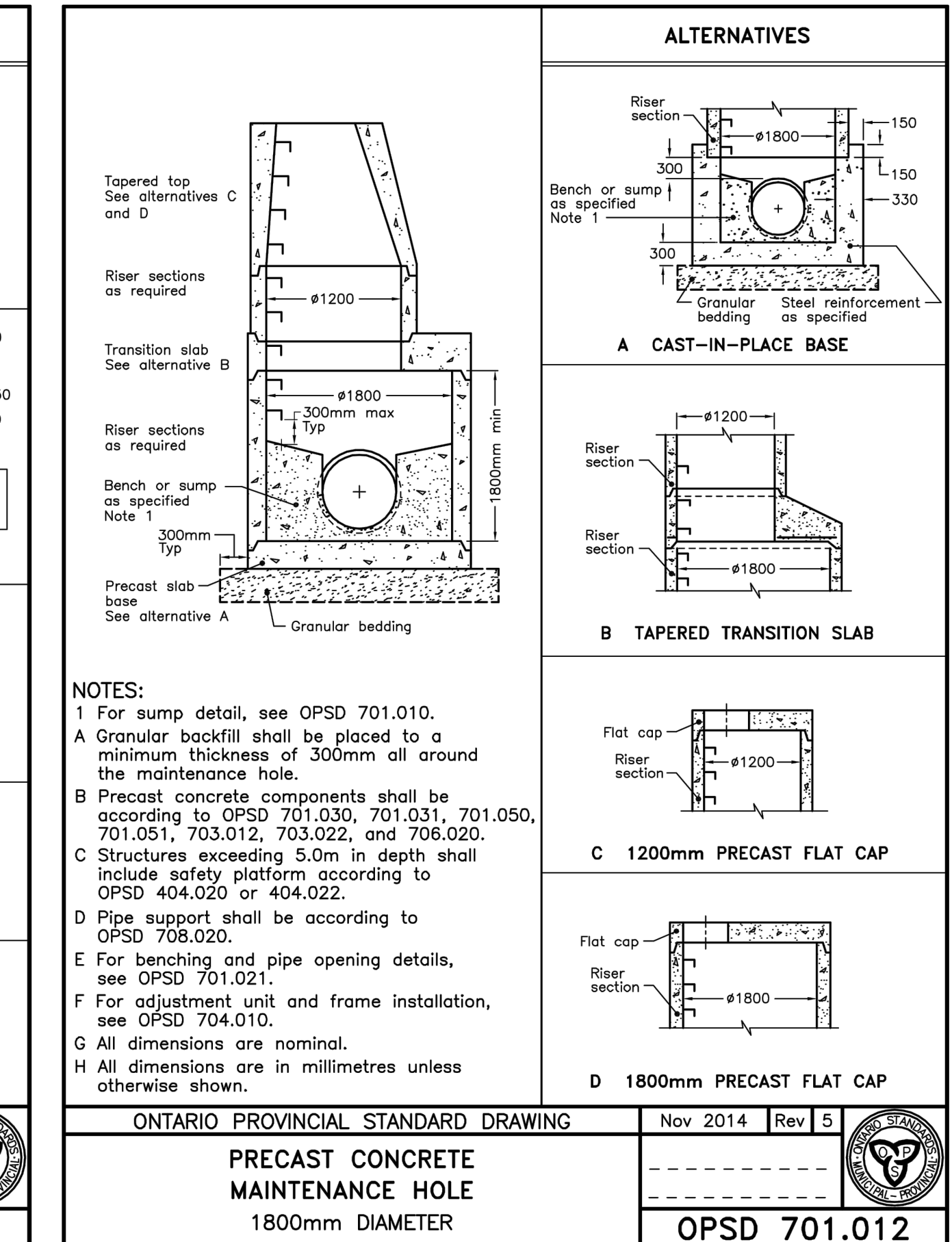
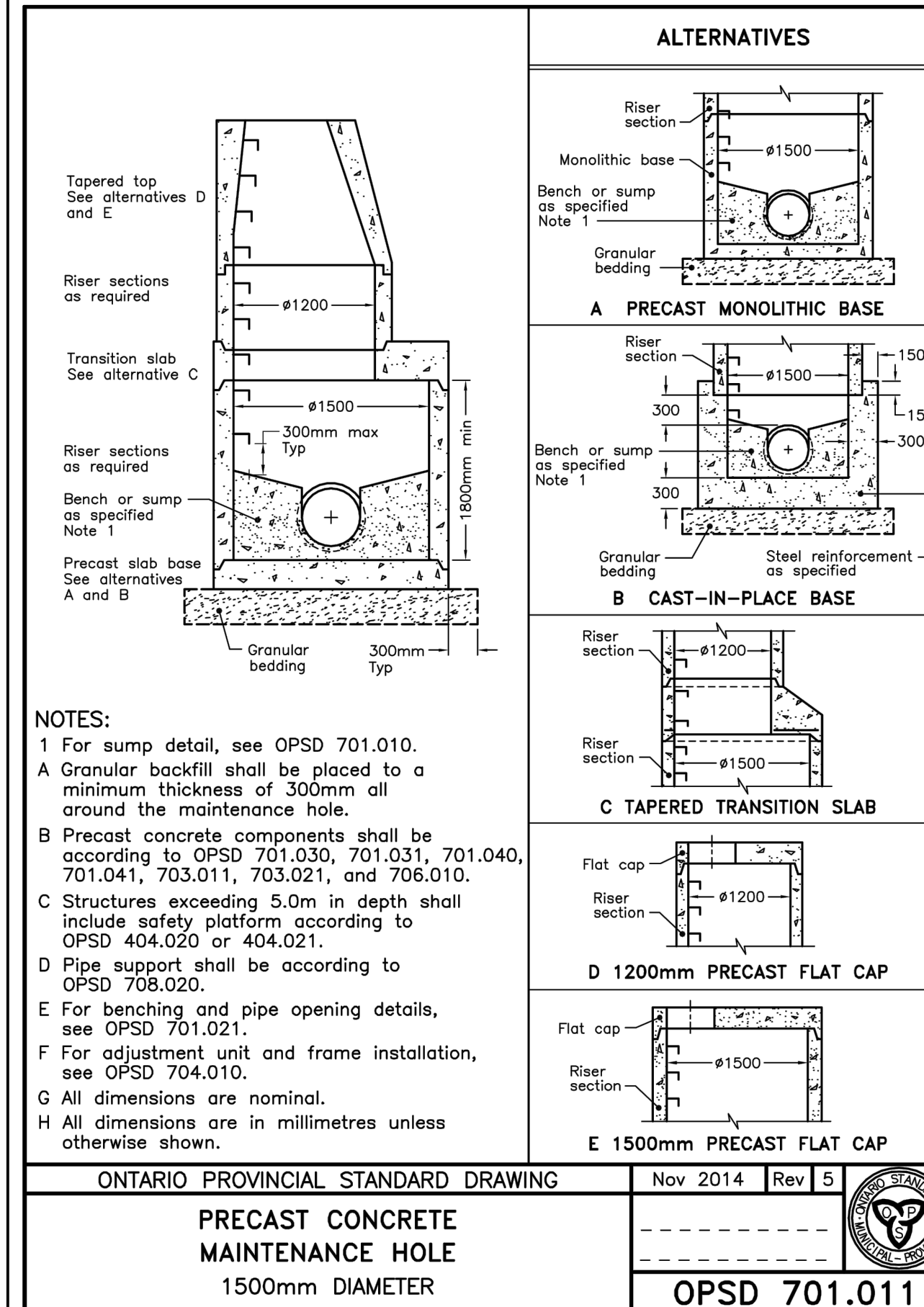
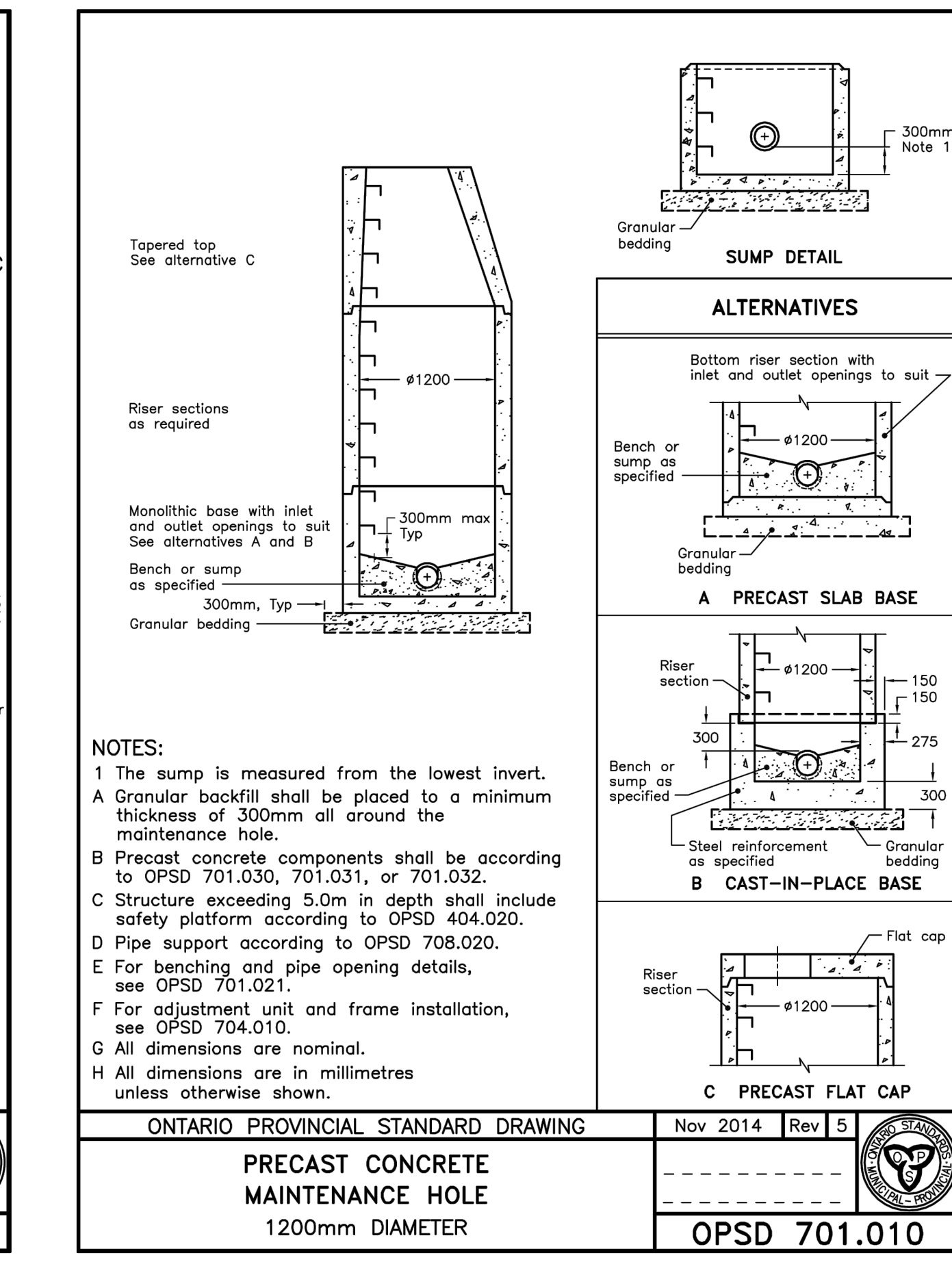
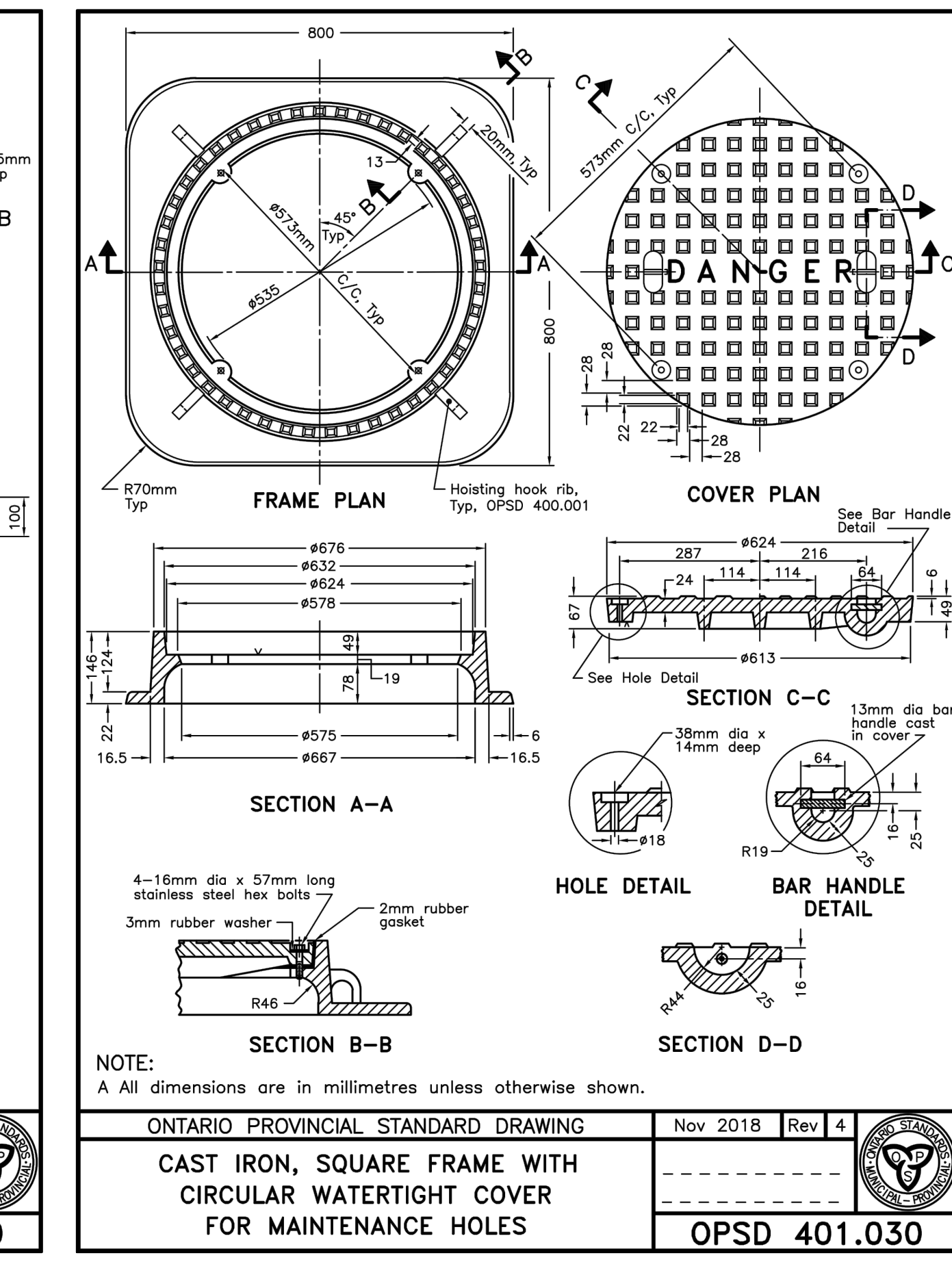
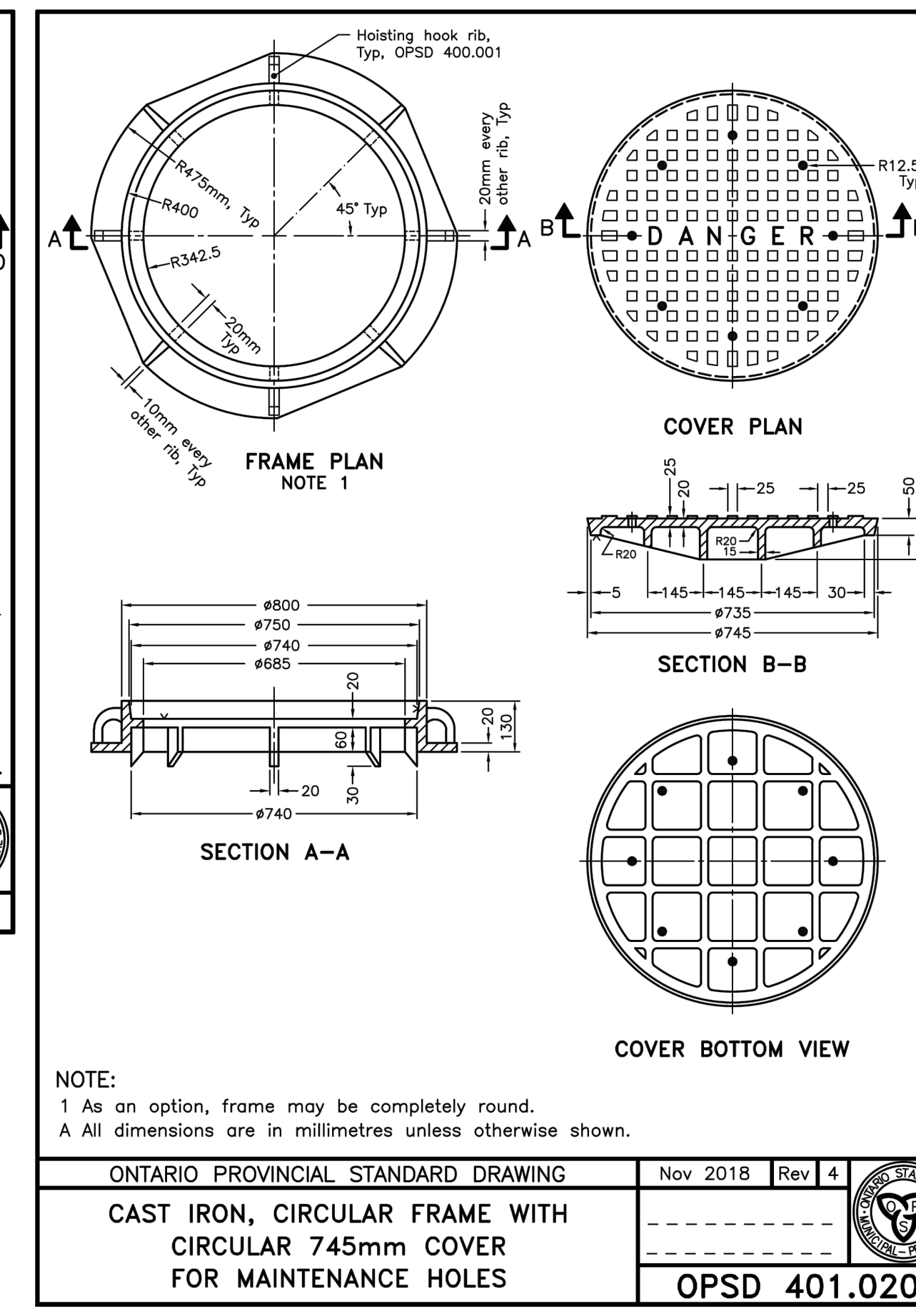
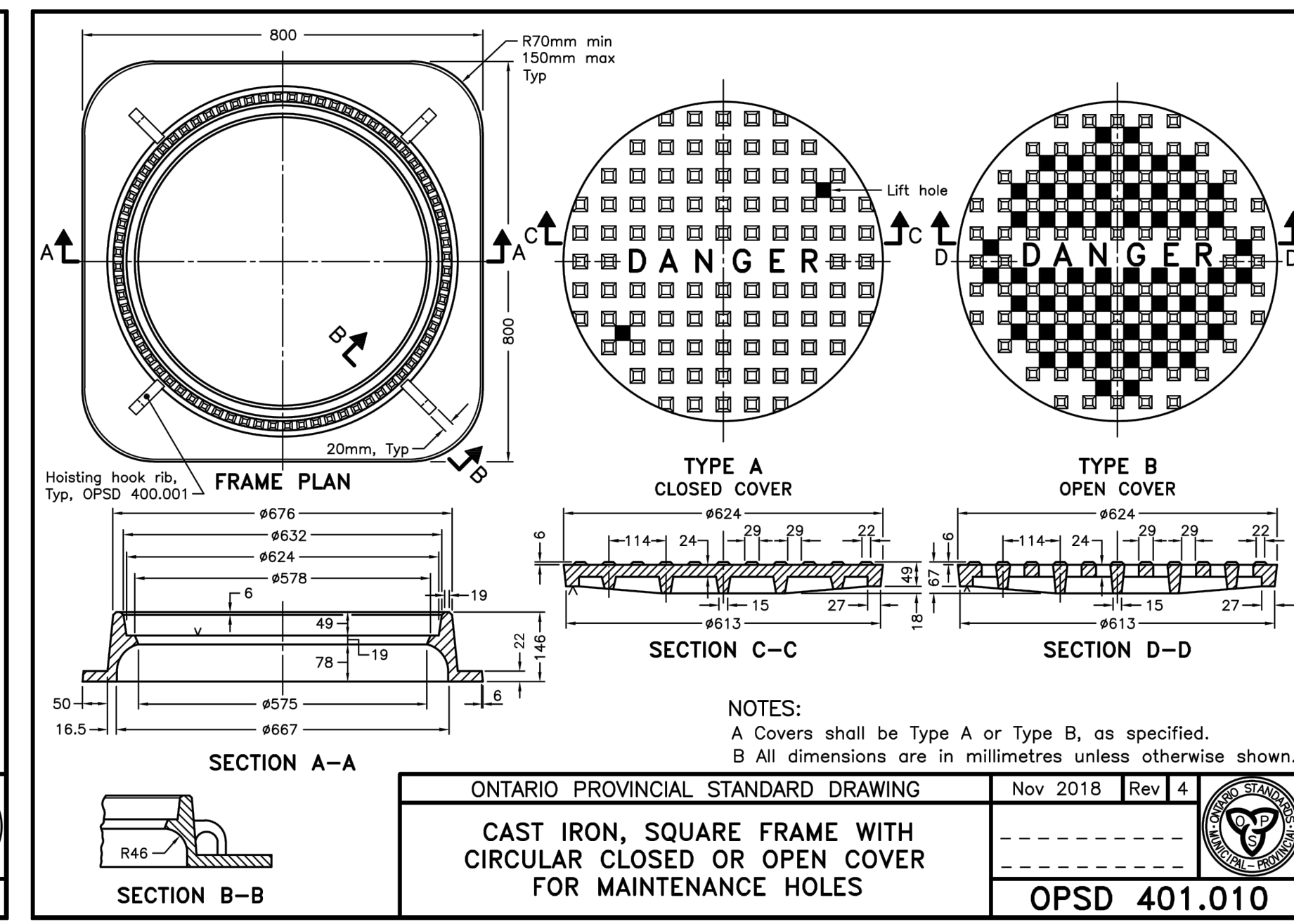
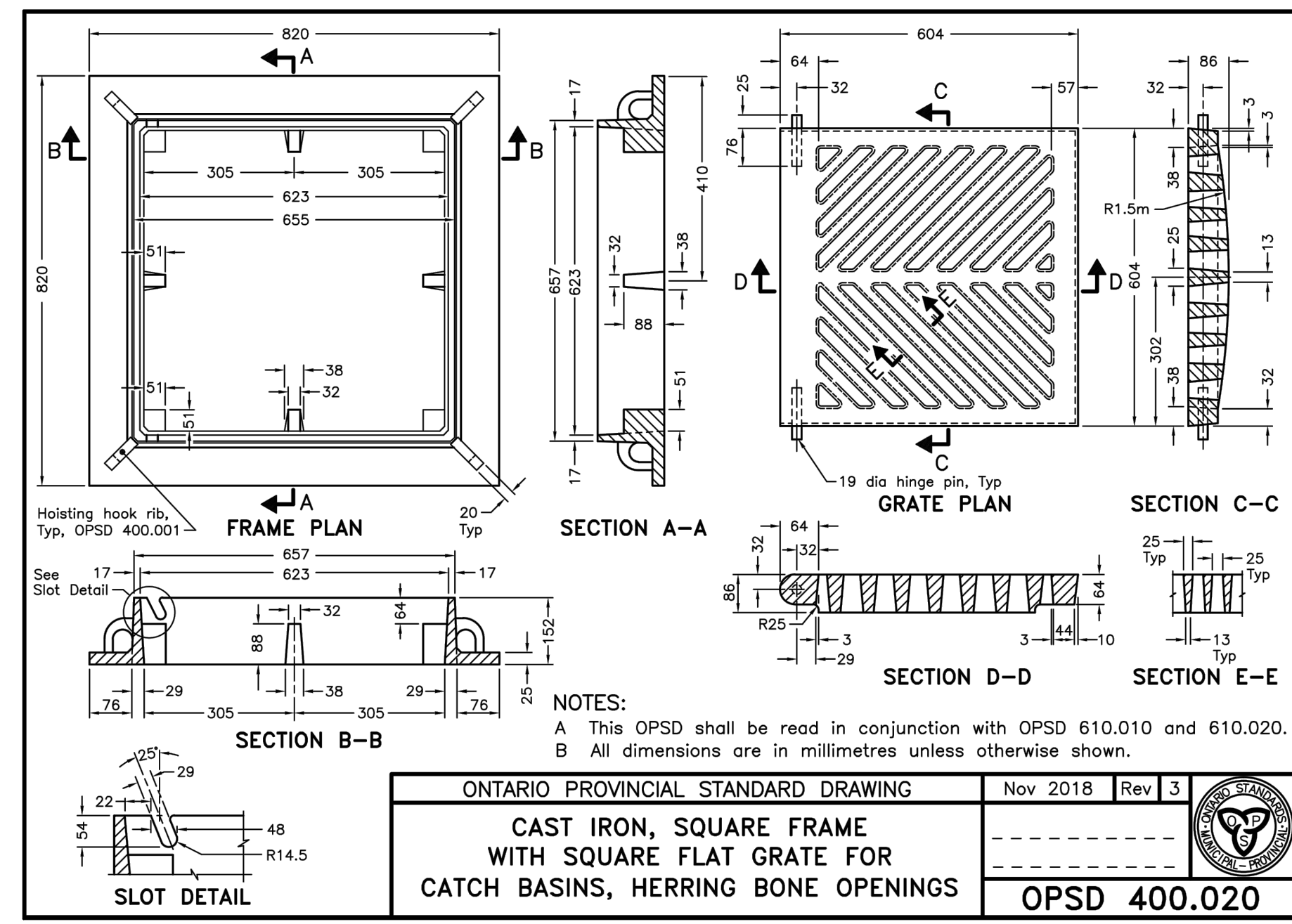
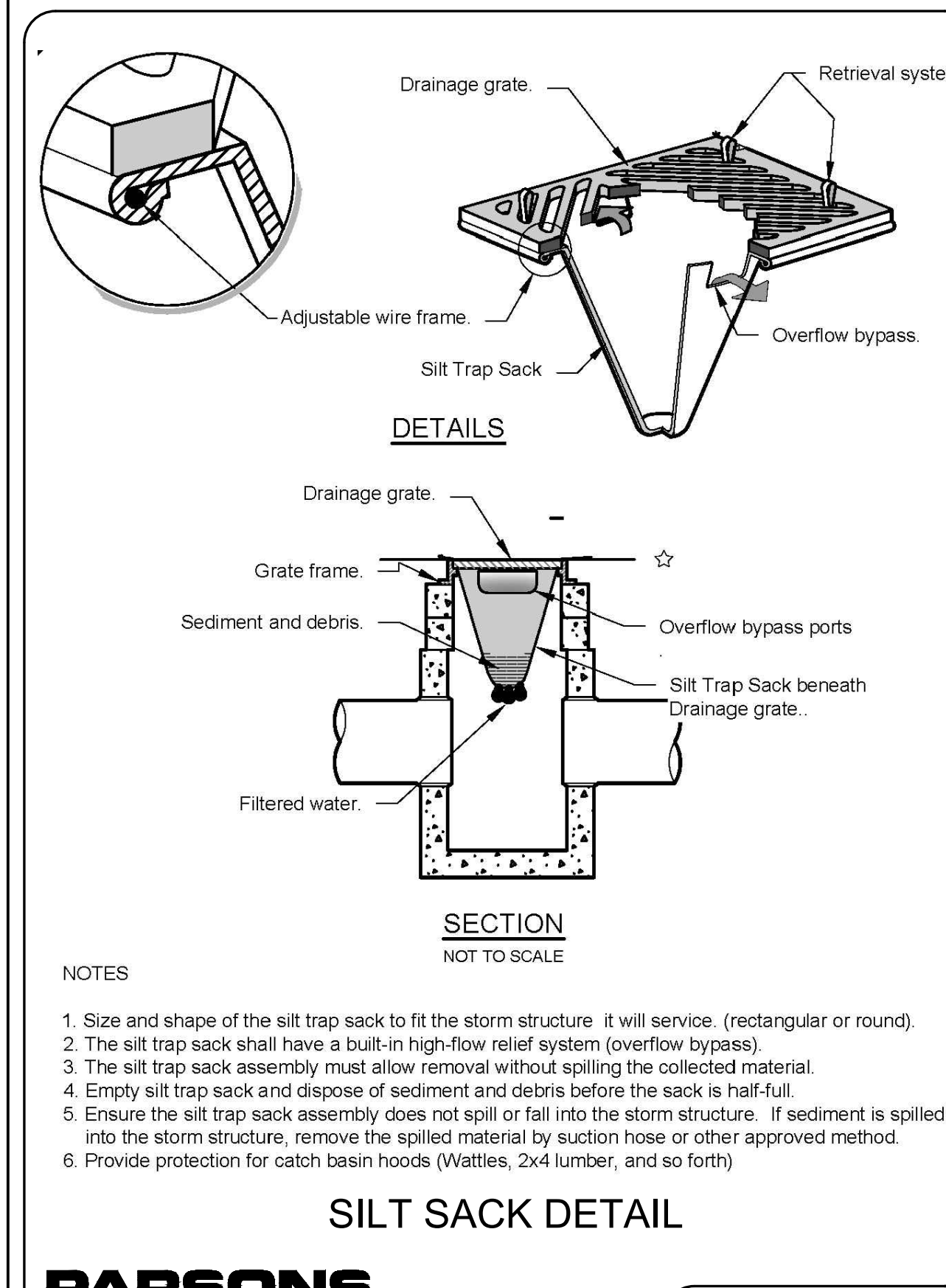
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Original Issue: 04/2/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
**CUT-FILL
PLAN**

Sheet Number
C015

Project Status
STAGE 3



THE OTTAWA HOSPITAL
 NEW CAMPUS
 DEVELOPMENT -
 HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT
 FOR THE OTTAWA HOSPITAL

NOUVEAU CAMPUS
 DE L'HÔPITAL D'OTTAWA

DRAFT

Project Manager: M. J. G. J. G. J. G.
 Project Architect: J. G. J. G. J. G.
 Landscape Architect: J. G. J. G. J. G.
 Civil Engineer: J. G. J. G. J. G.
 Structural Engineer: J. G. J. G. J. G.
 Mechanical Engineer: J. G. J. G. J. G.
 Electrical Engineer: J. G. J. G. J. G.
 Plumbing Engineer: J. G. J. G. J. G.
 Interior Designer: J. G. J. G. J. G.
 Equipment Planner: J. G. J. G. J. G.
 Workflows: J. G. J. G. J. G.

MARK DATE	DESCRIPTION
01 2022-09-23	ISSUED FOR PRE-CONSULTATION
02 2022-10-26	DRAFT FOR 90% BID
03 2022-11-20	ISSUED FOR PC & FULLCA - 10% SUBMISSION

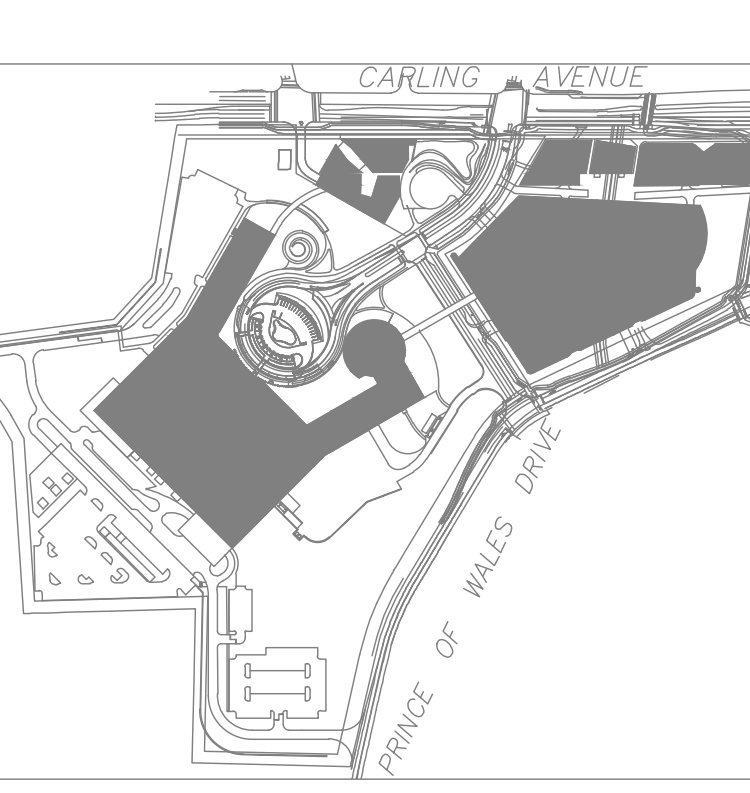
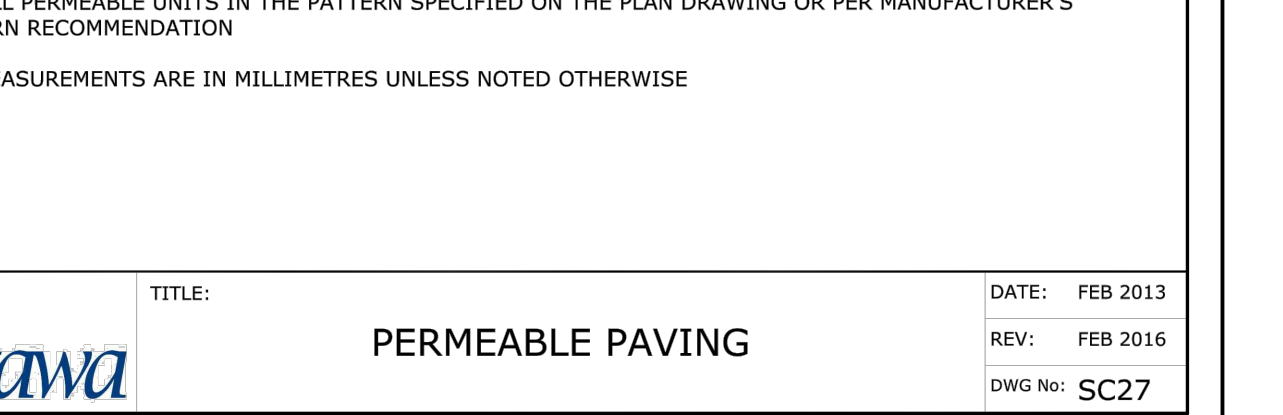
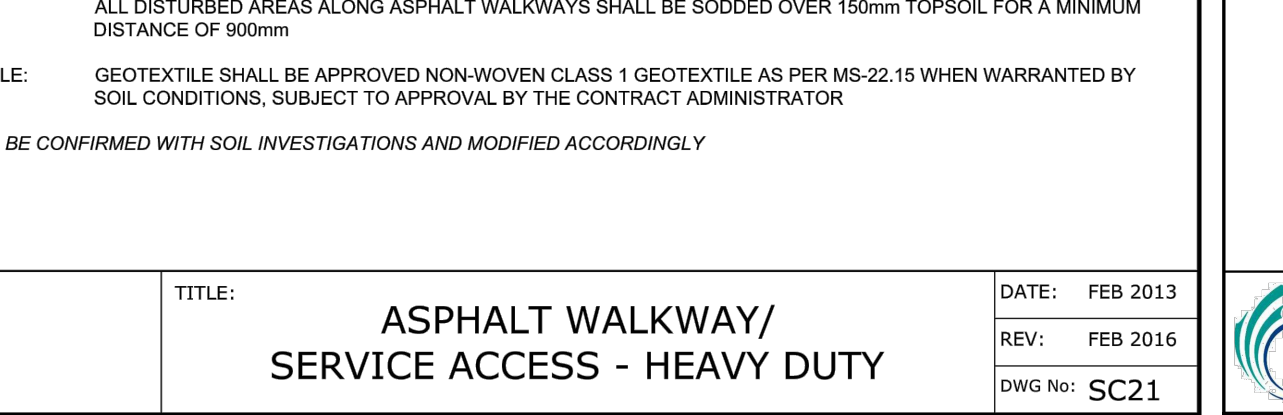
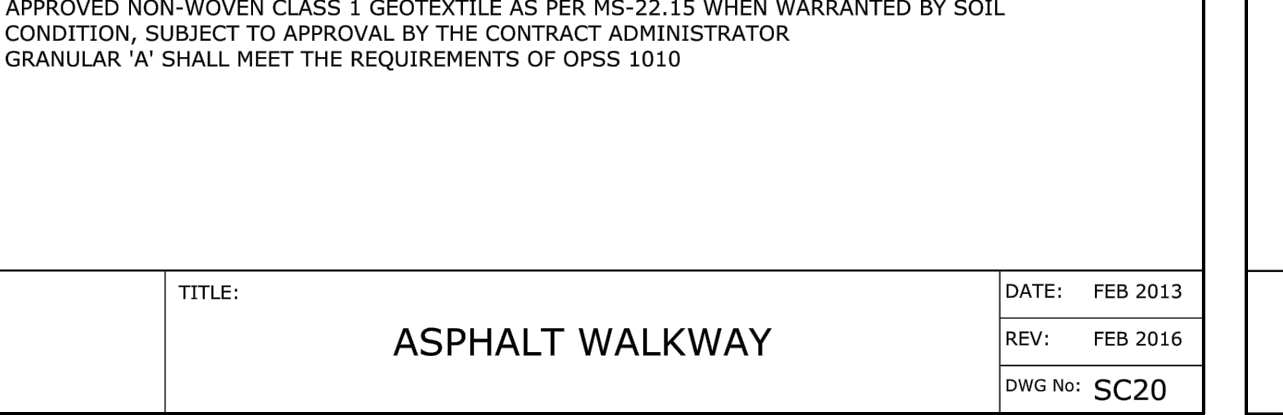
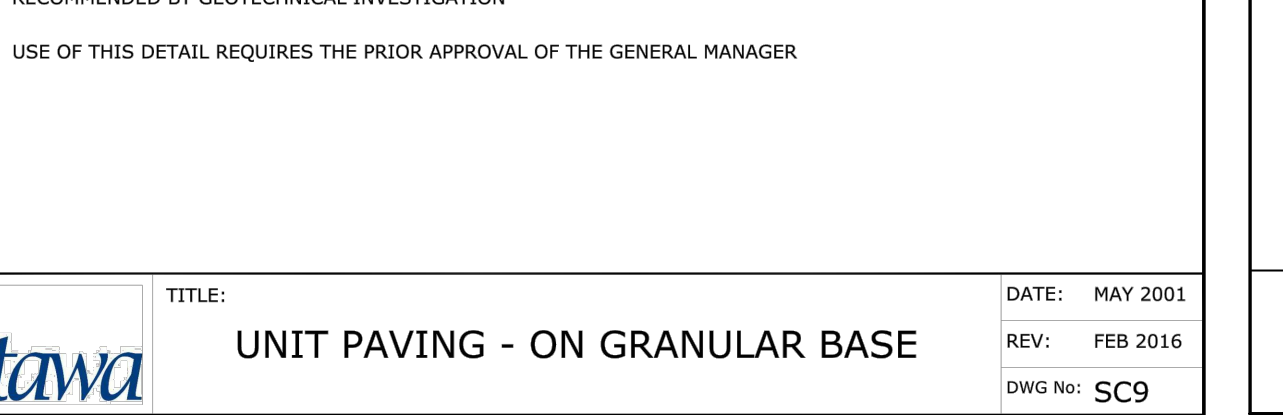
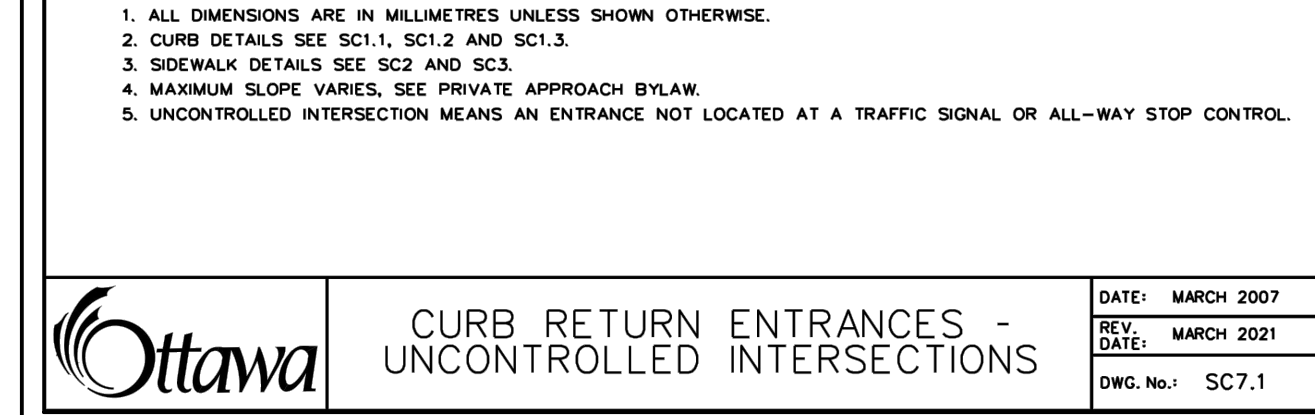
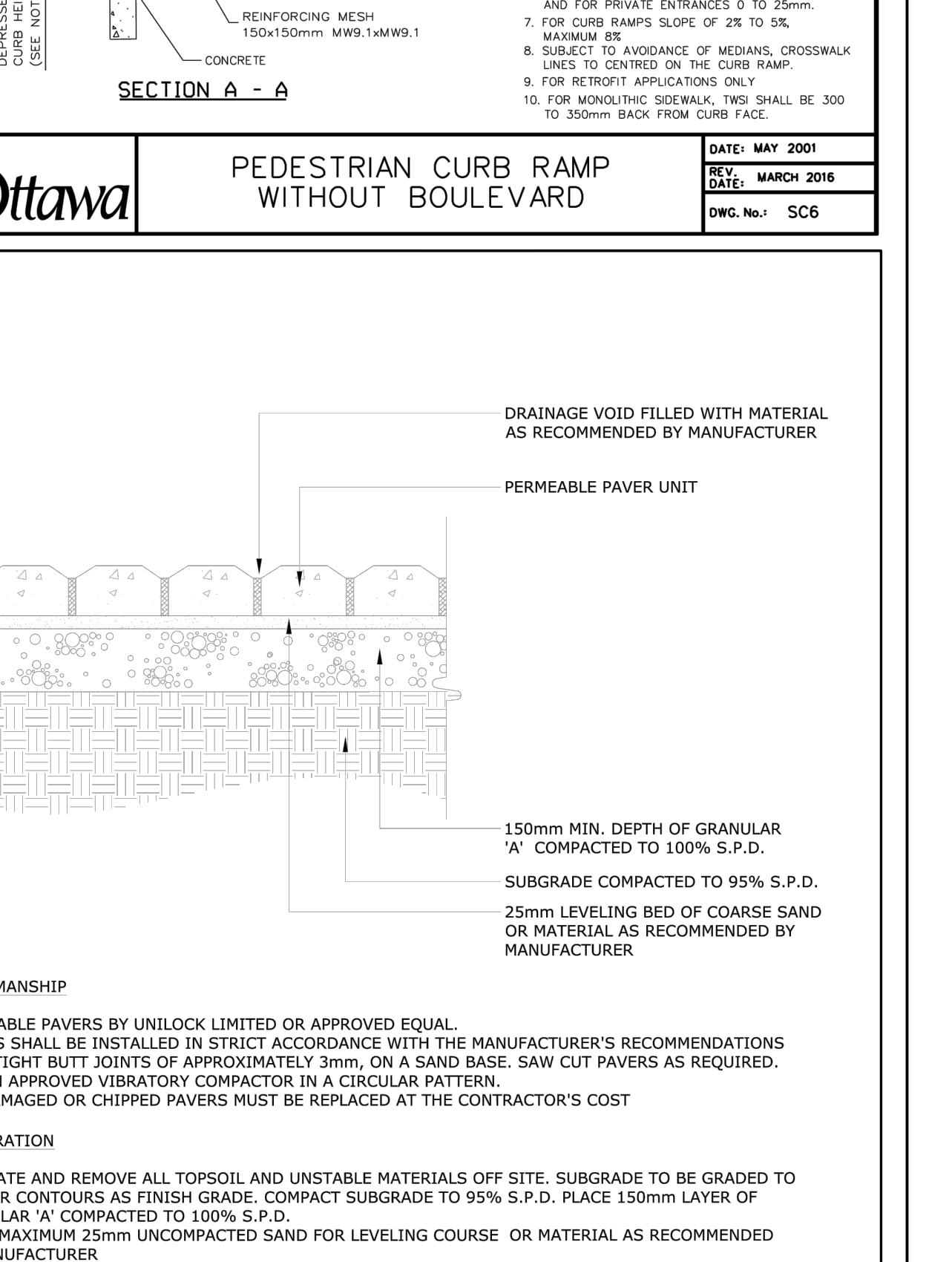
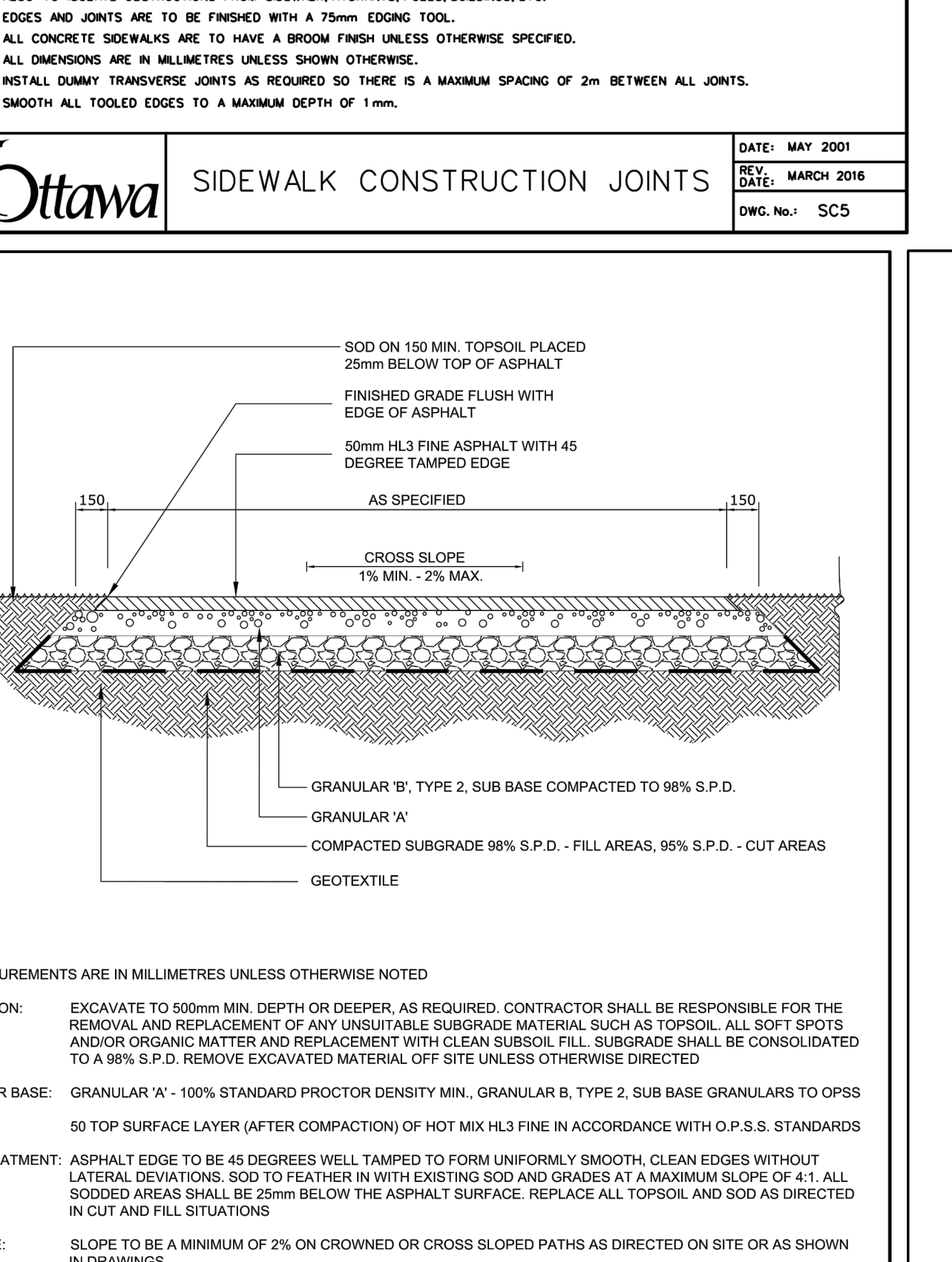
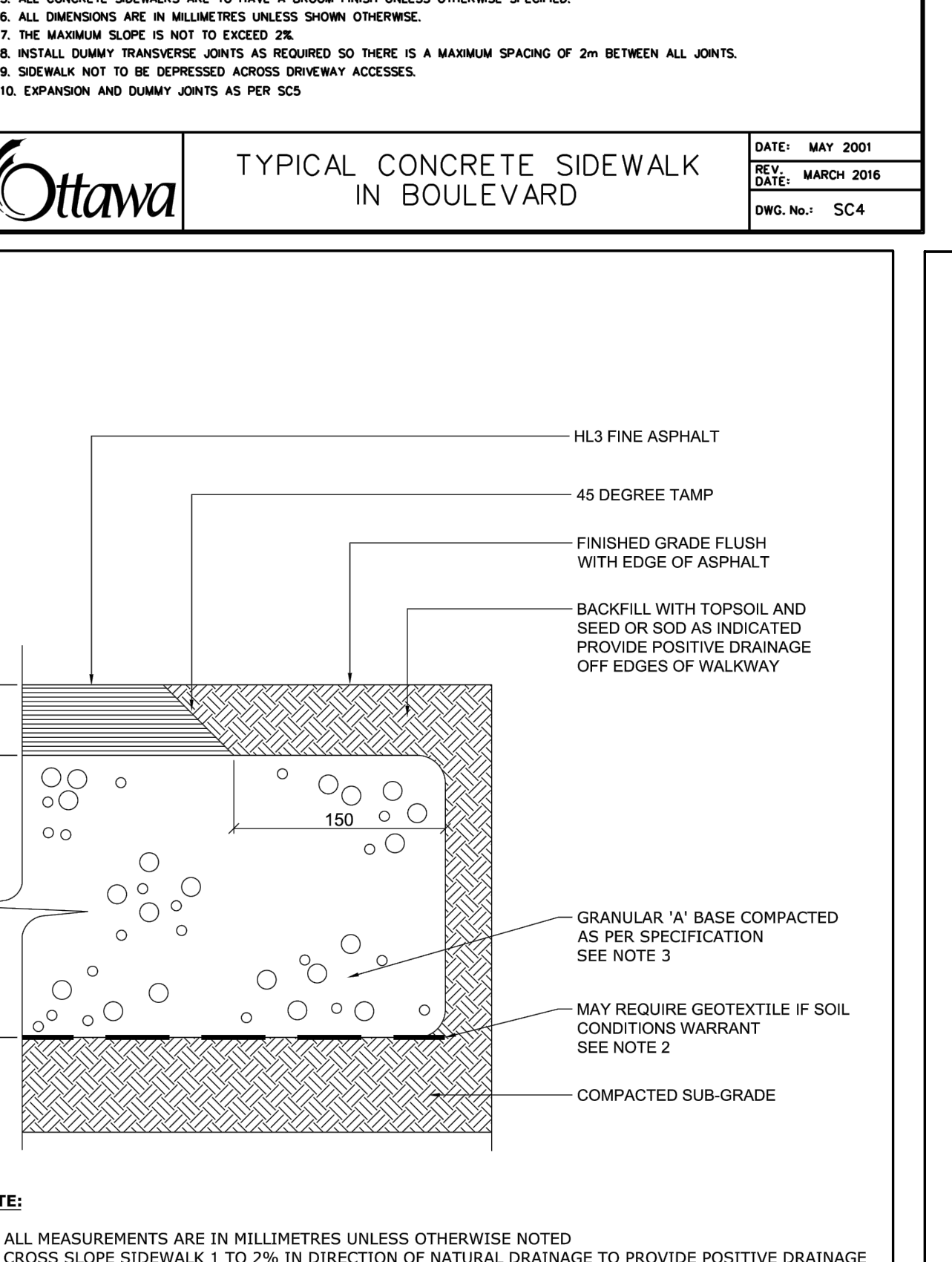
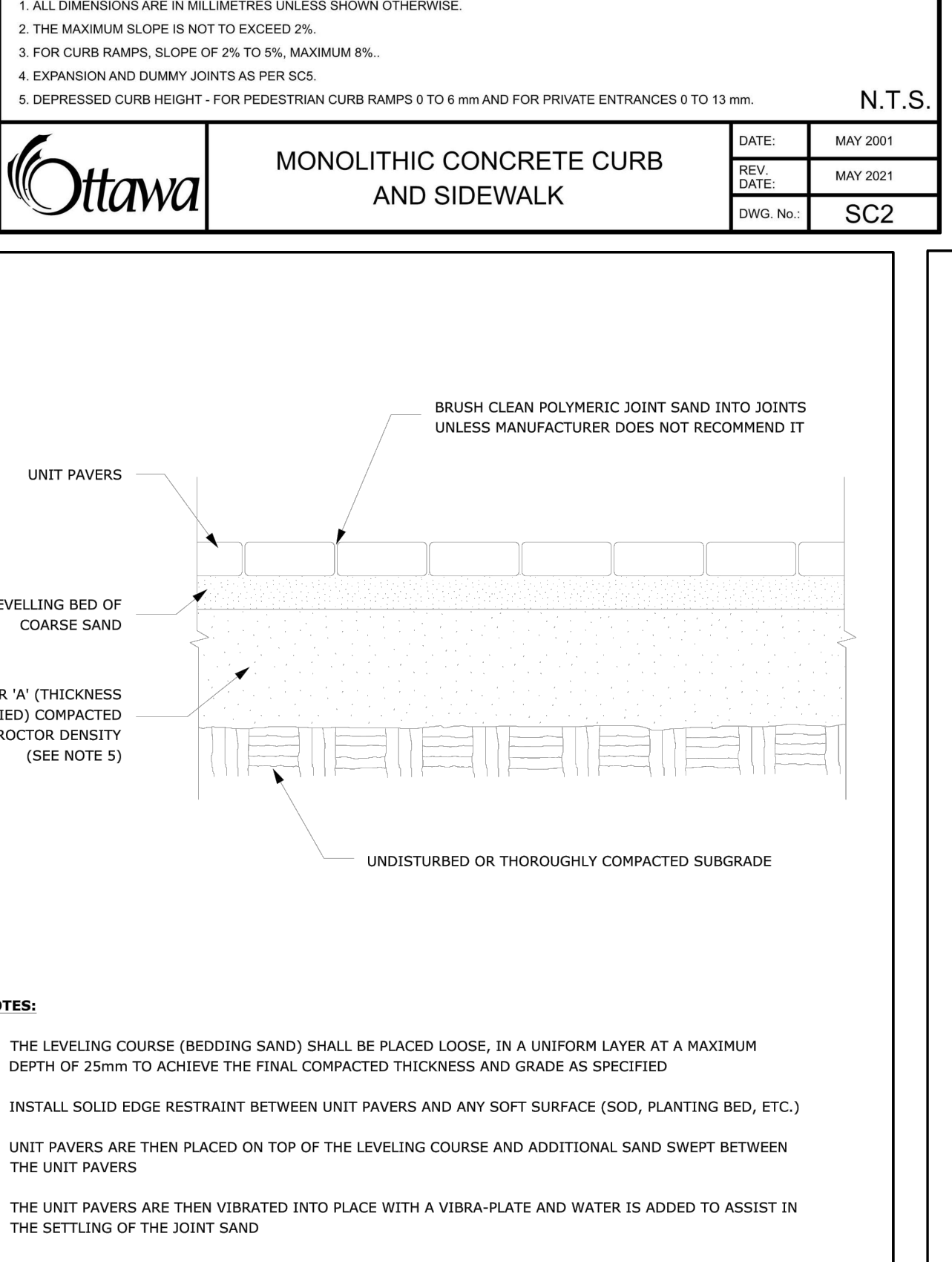
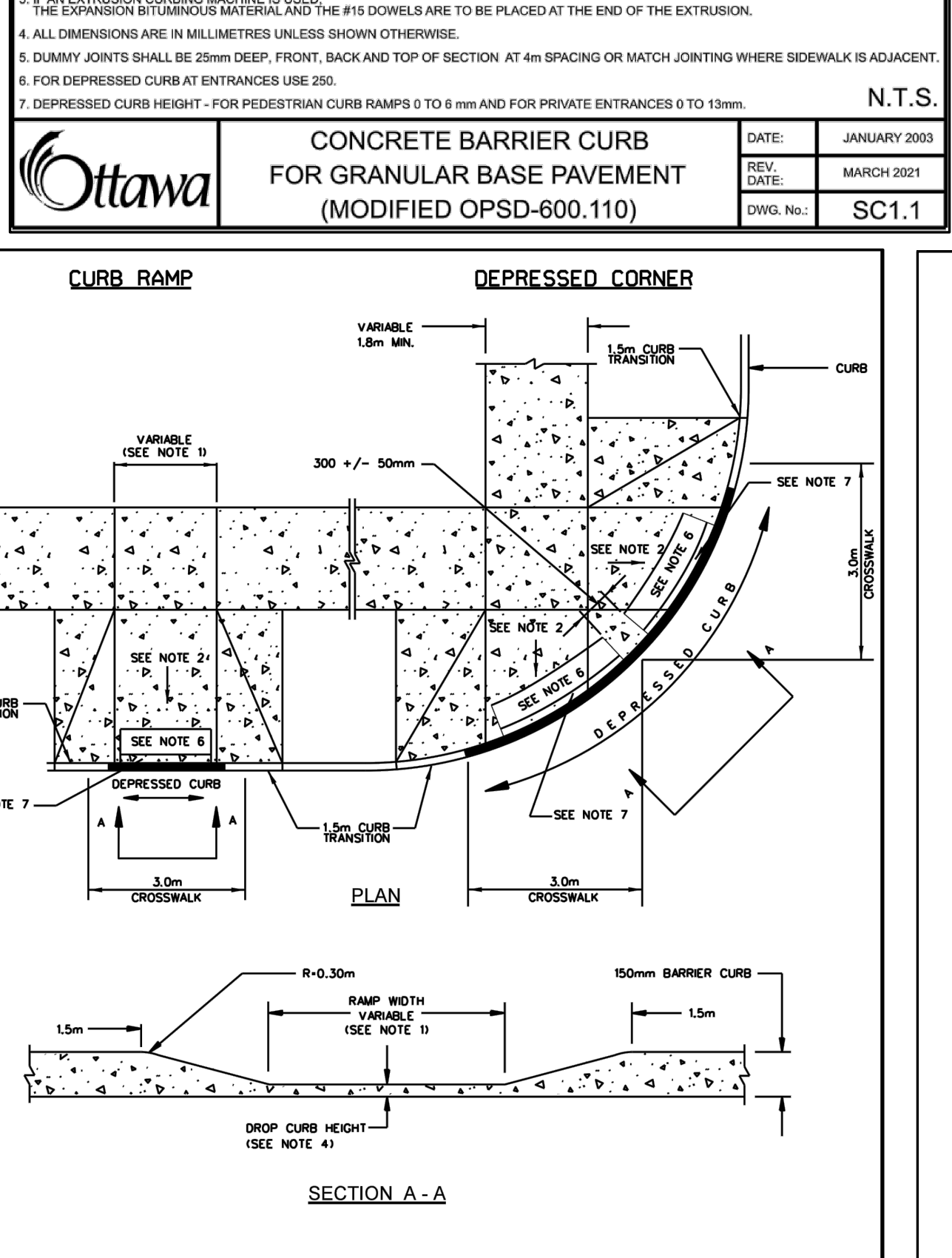
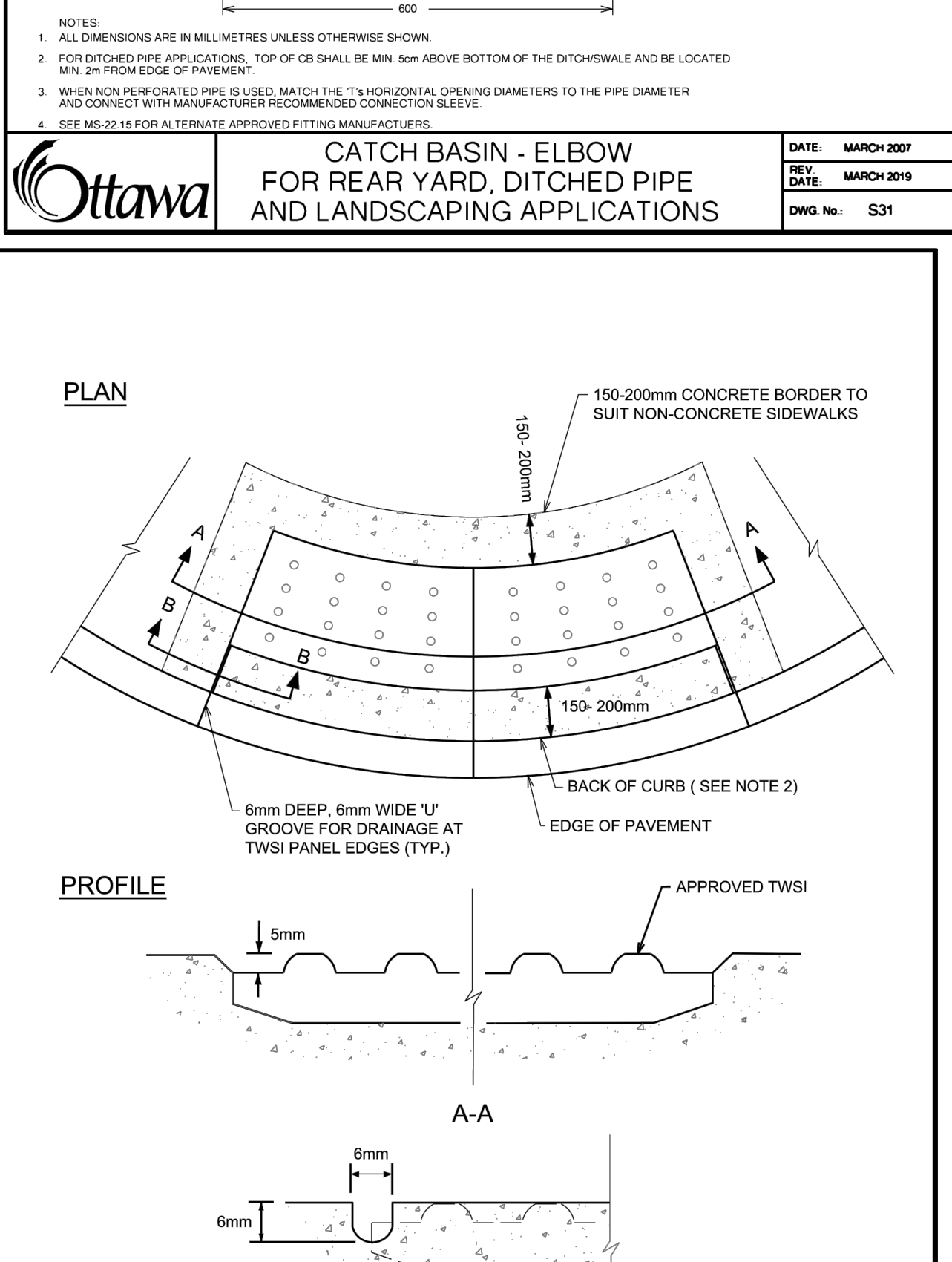
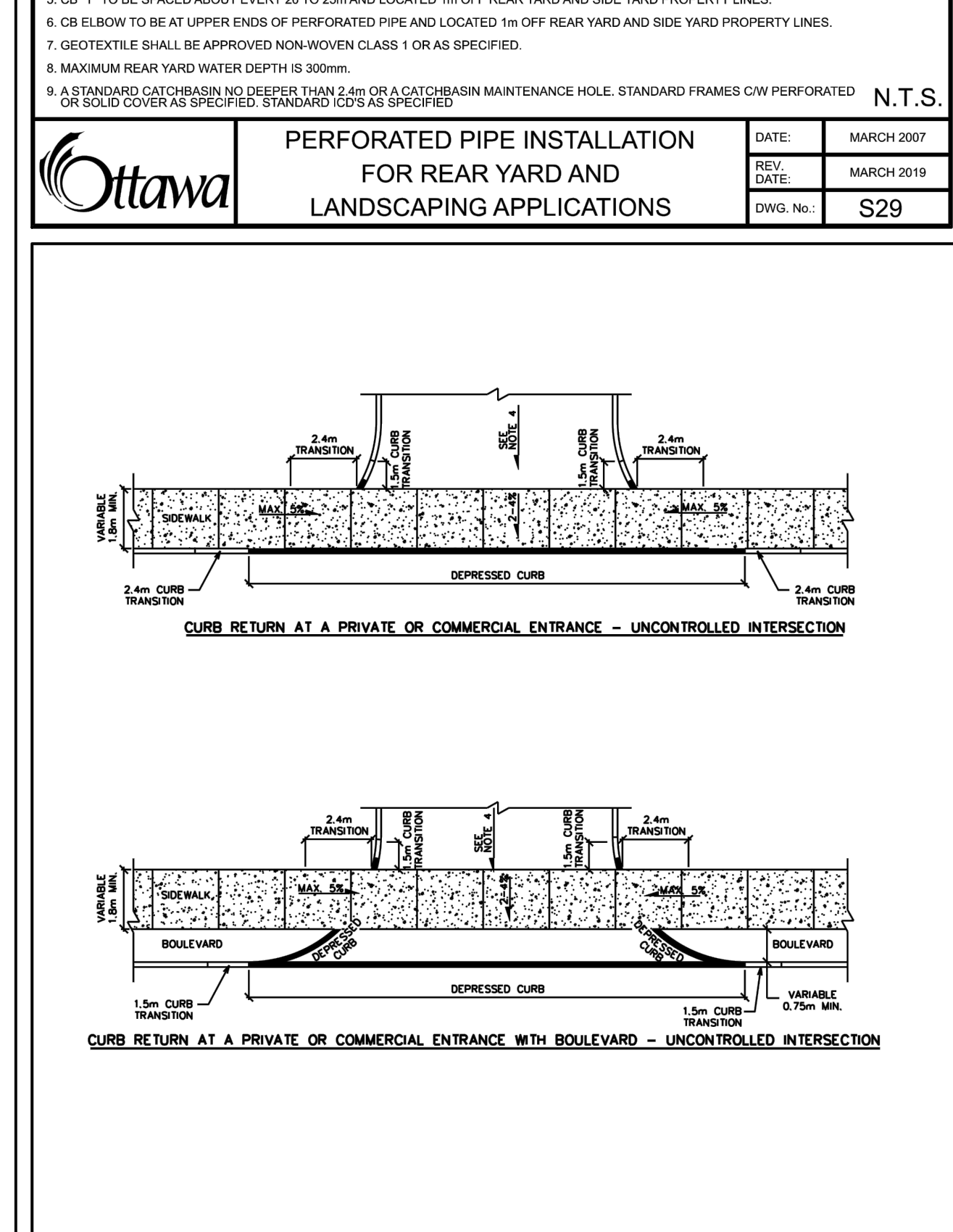
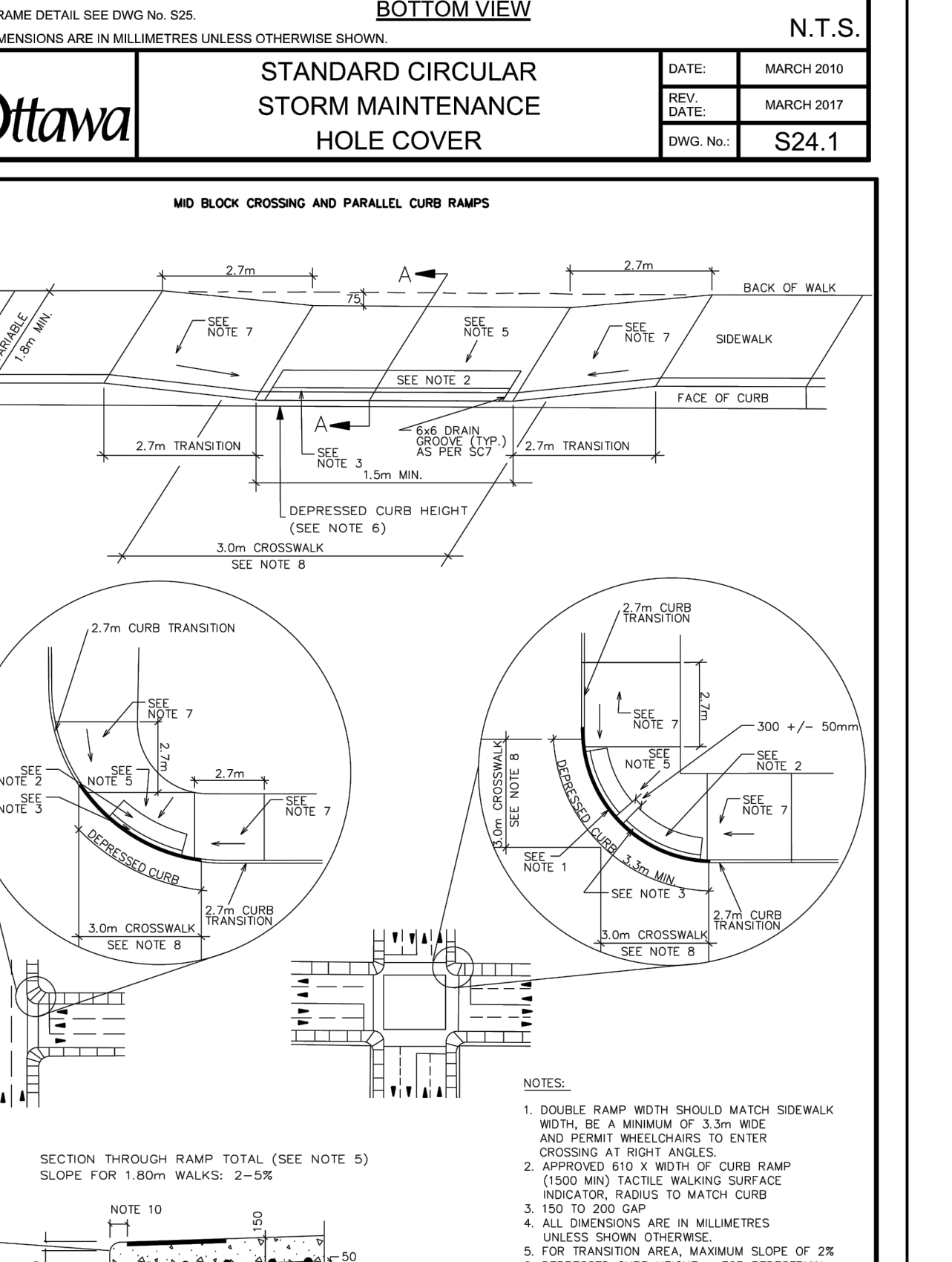
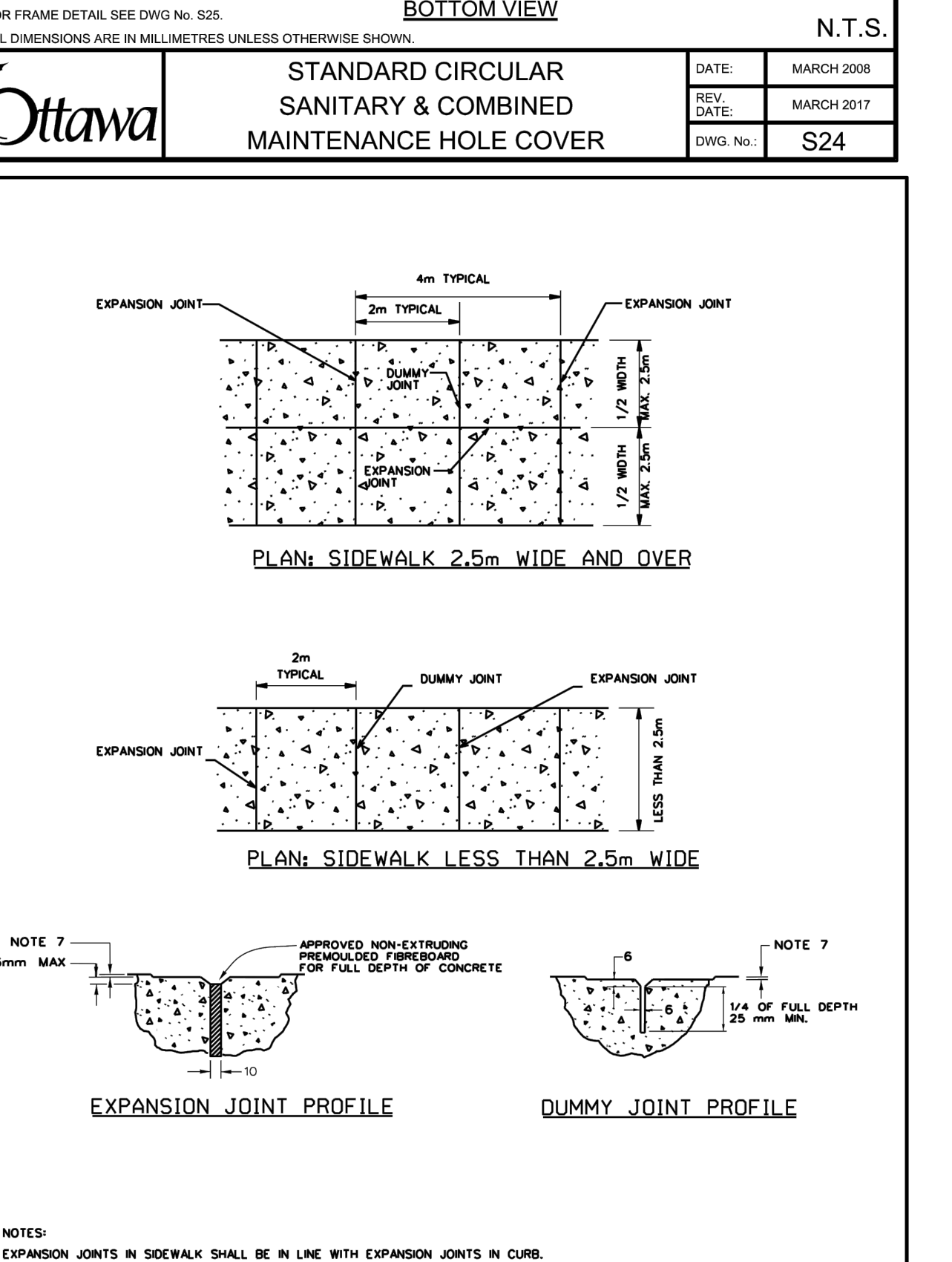
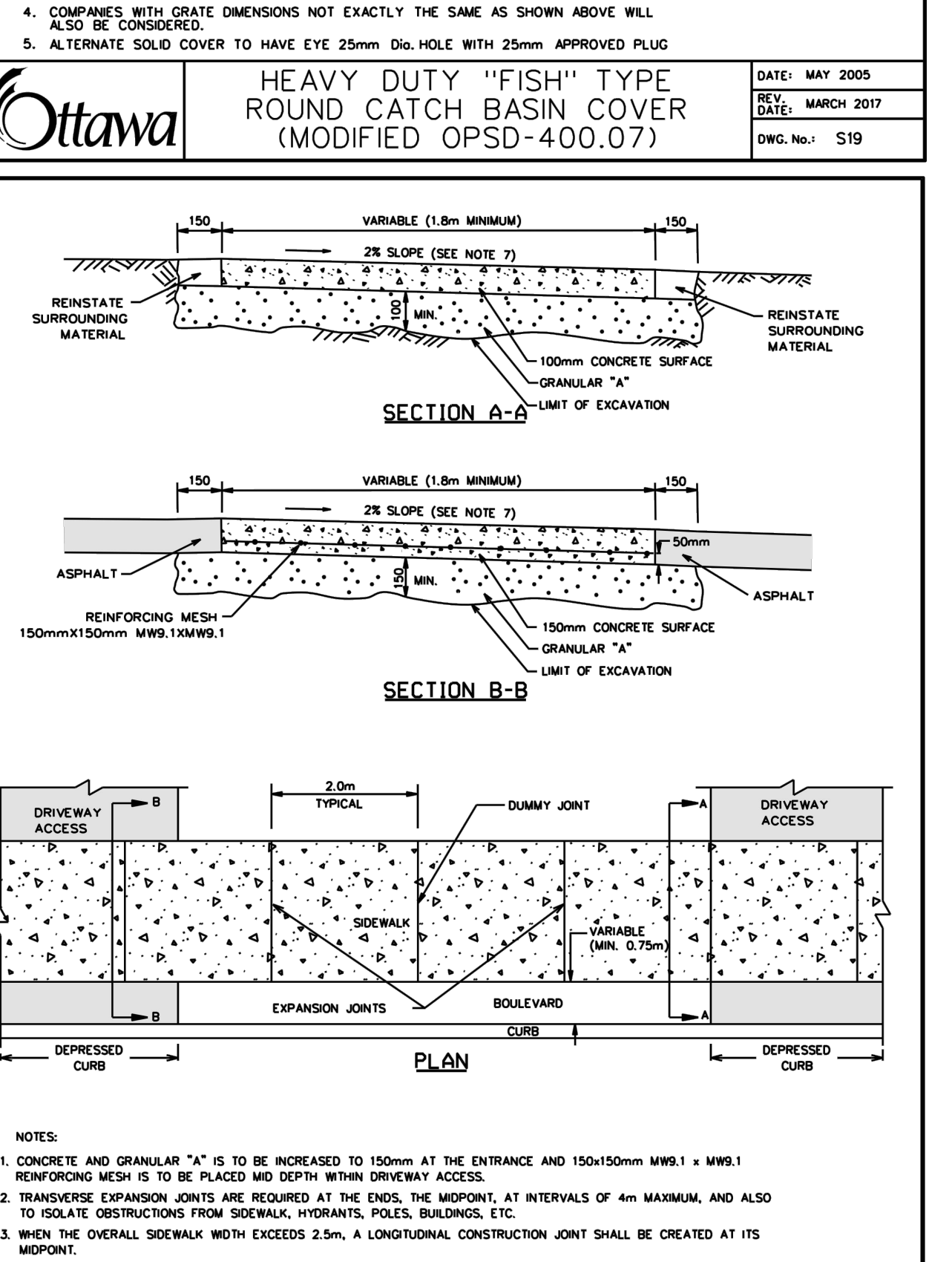
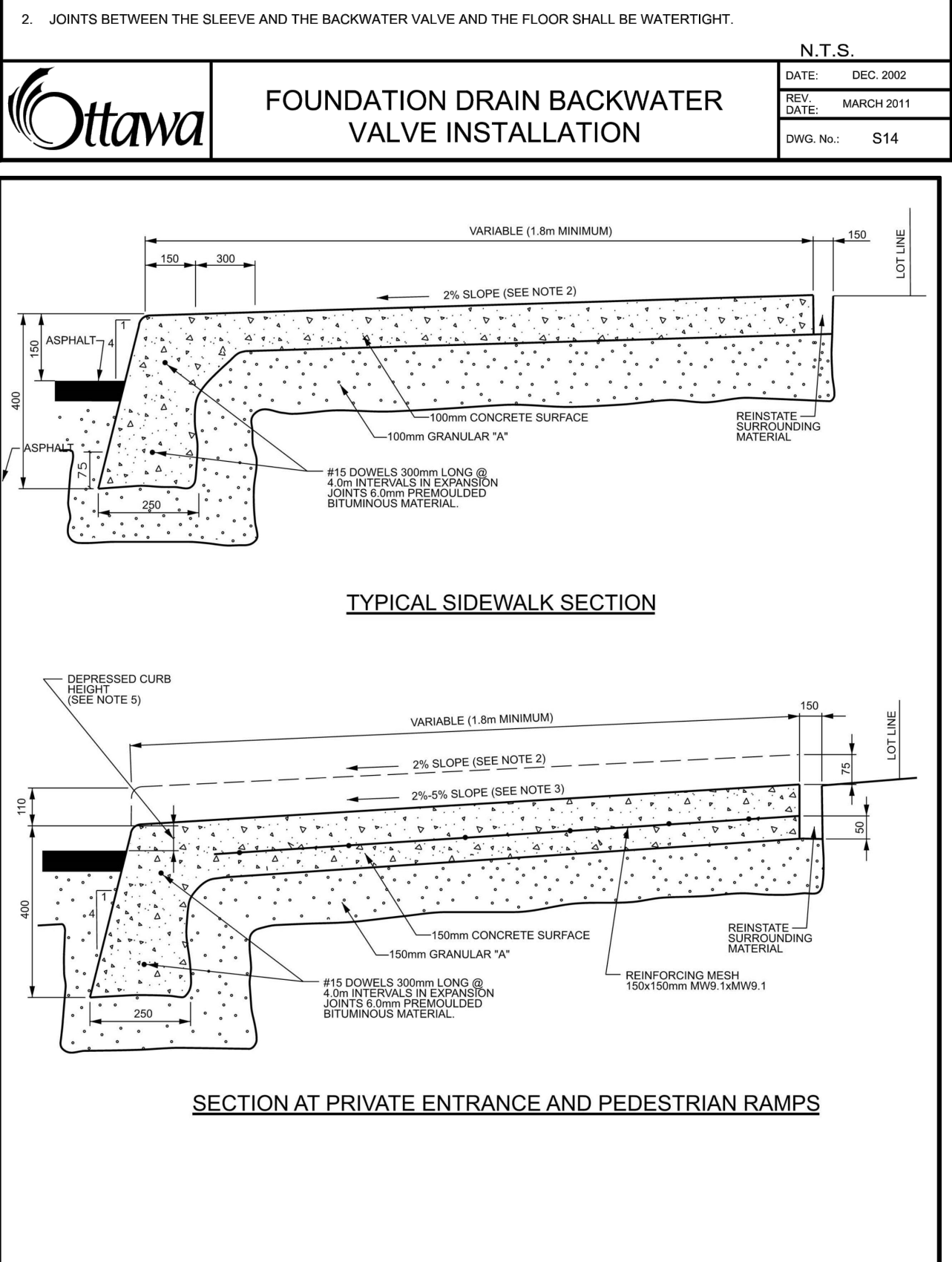
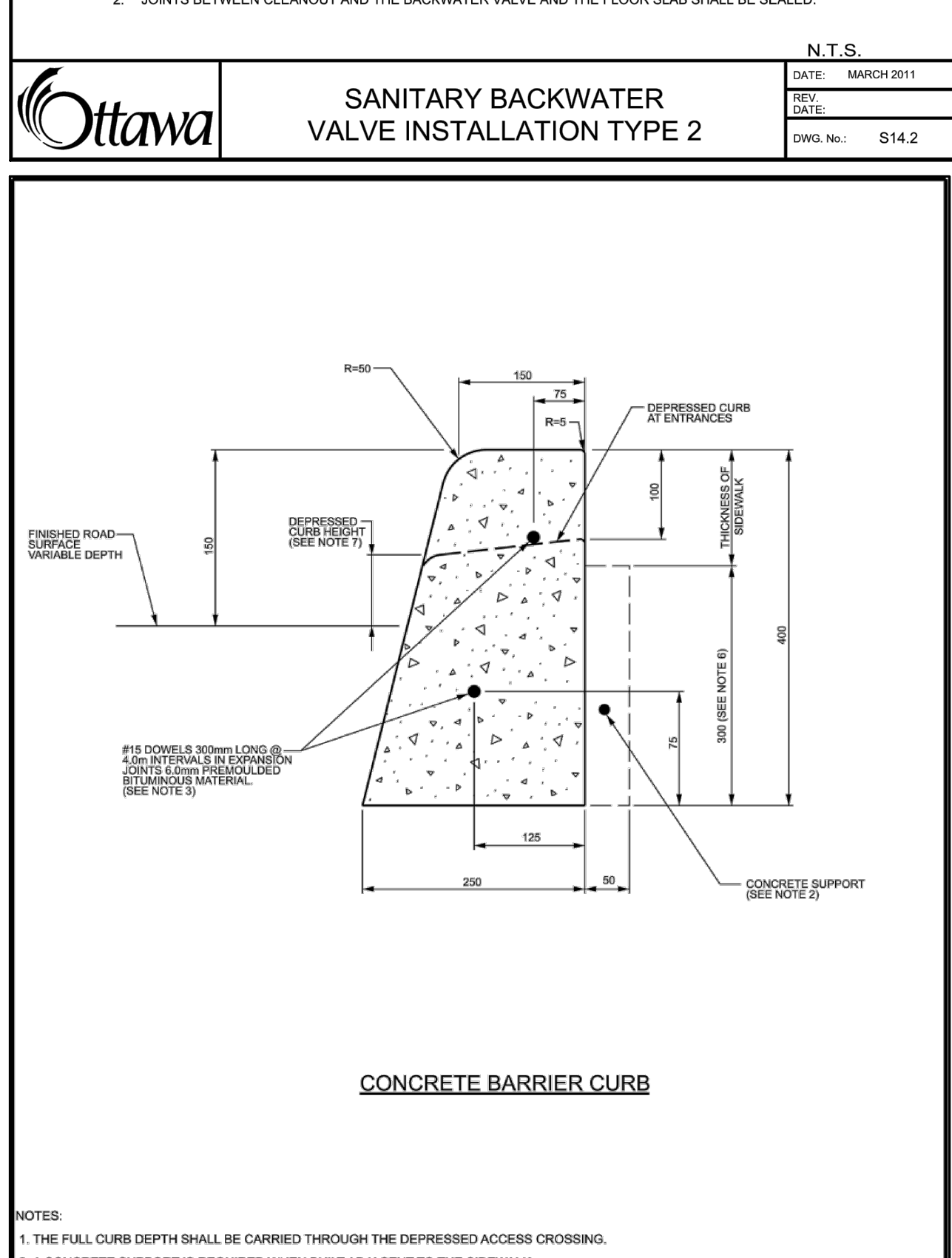
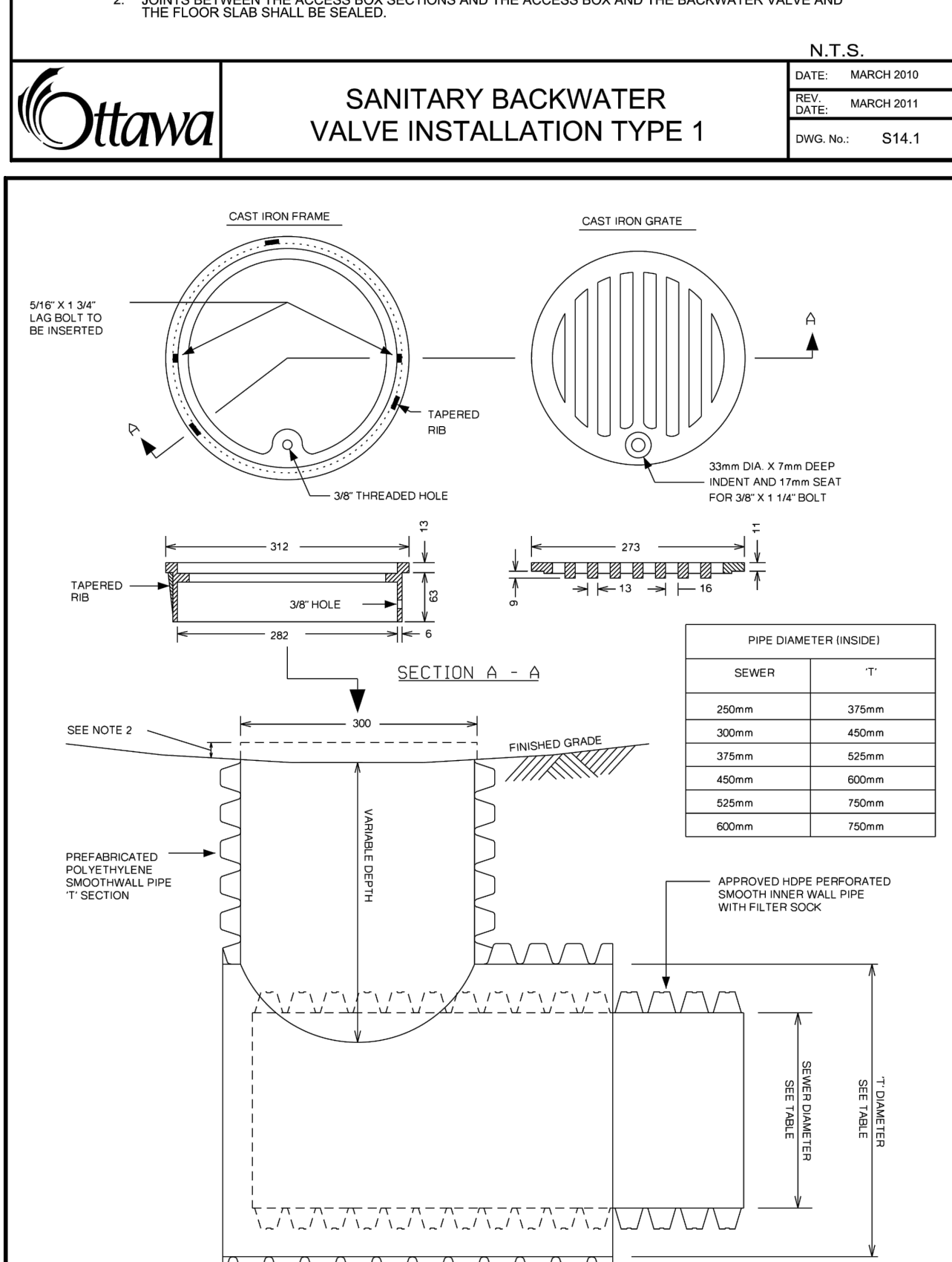
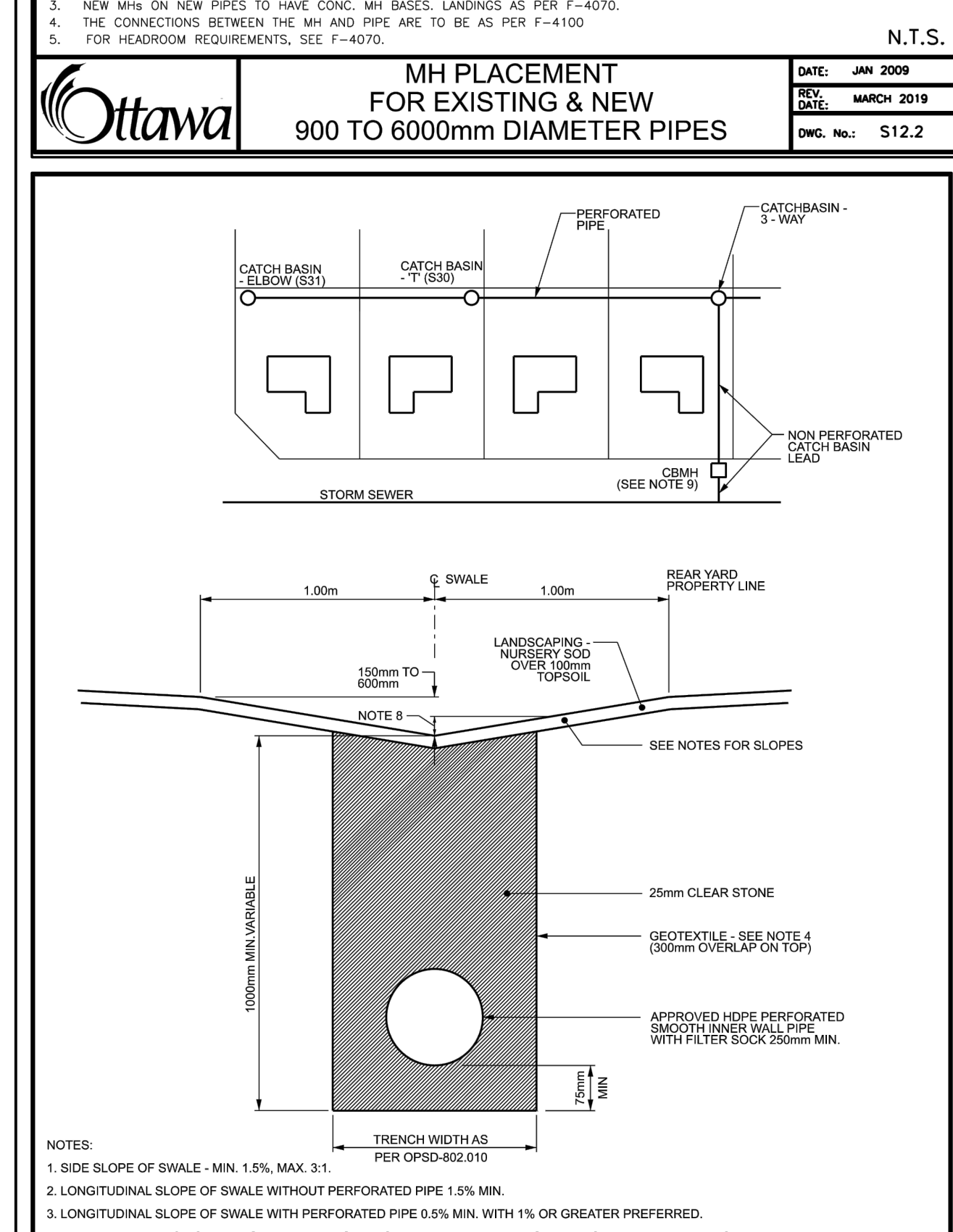
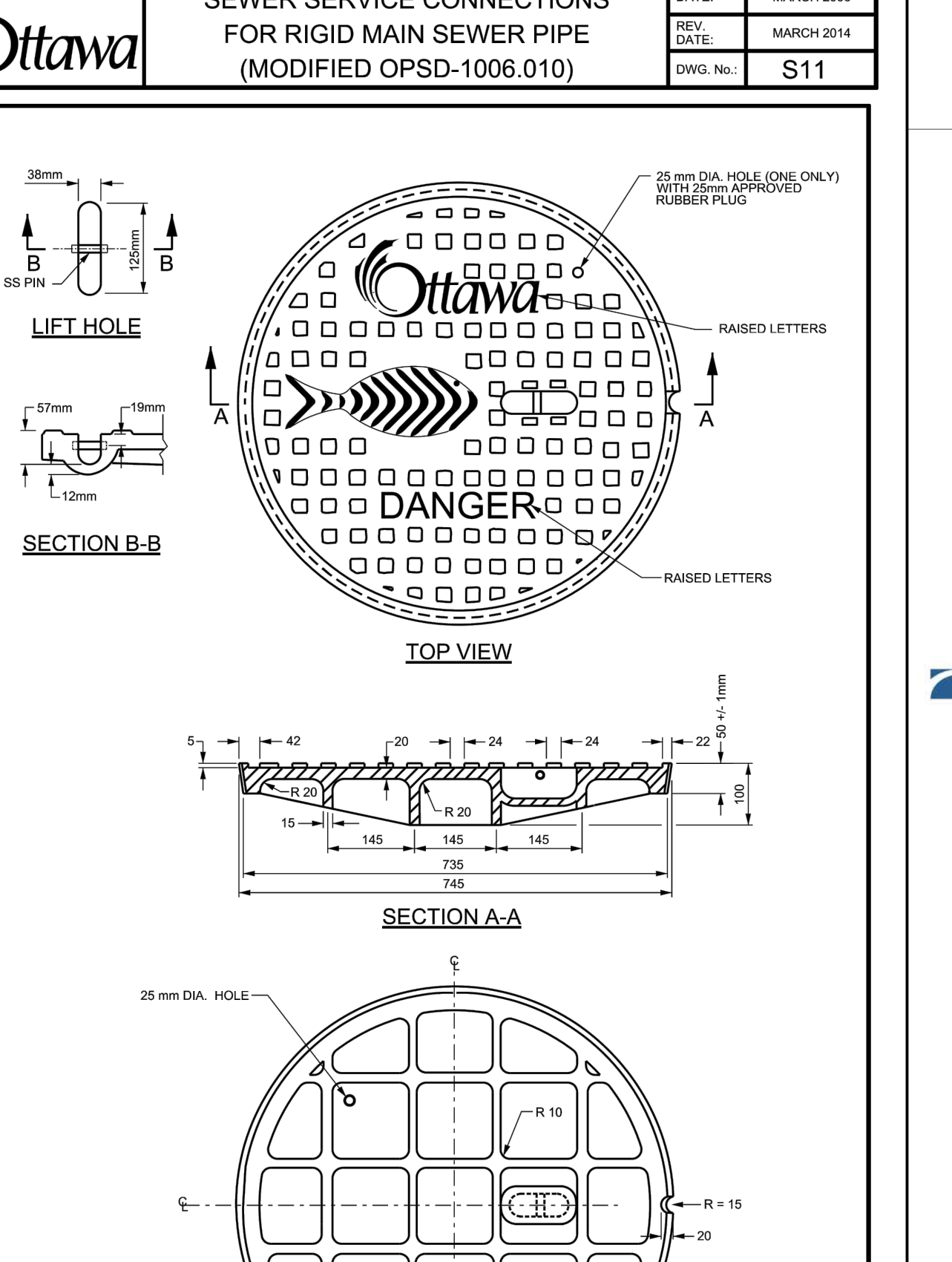
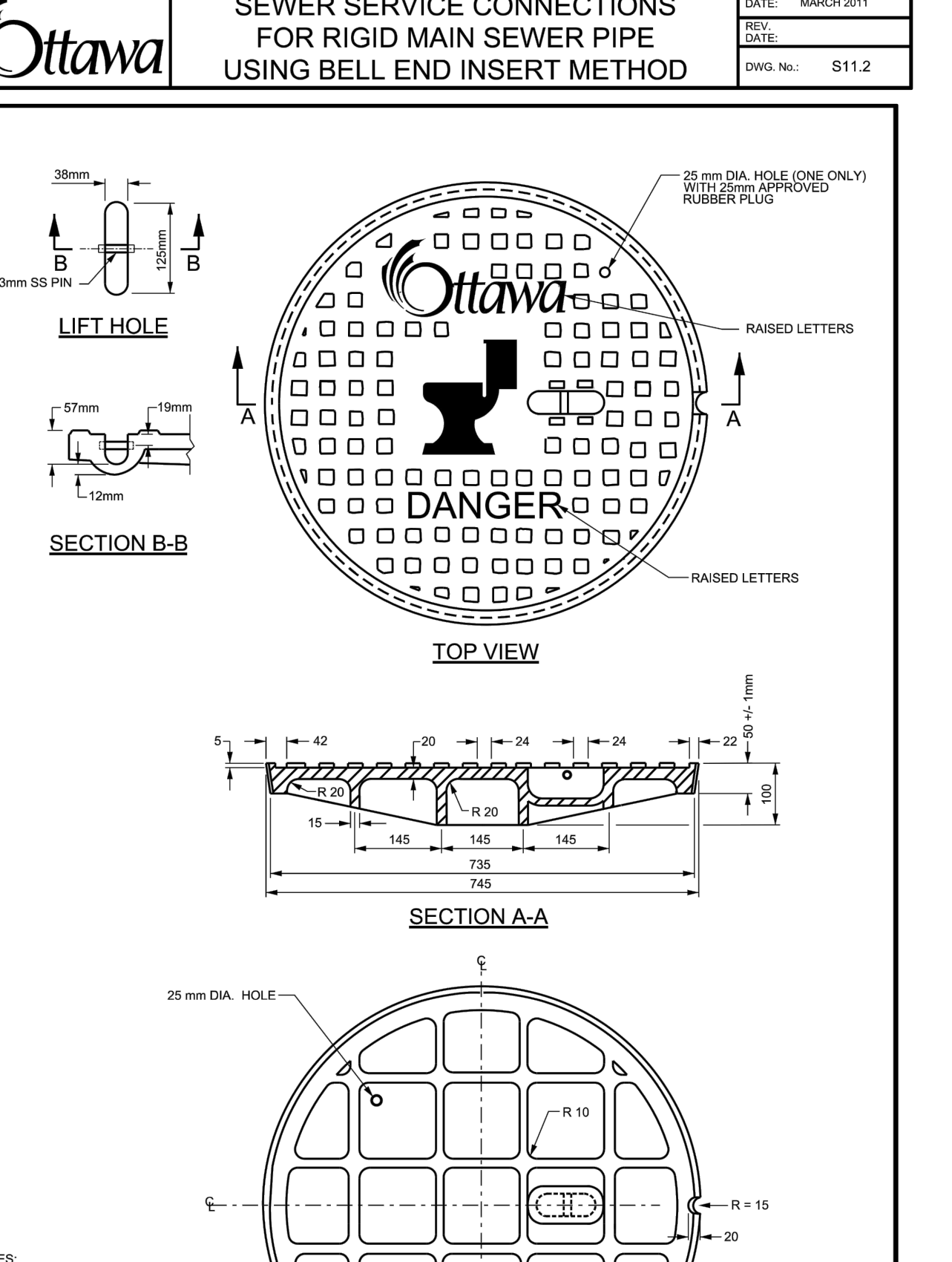
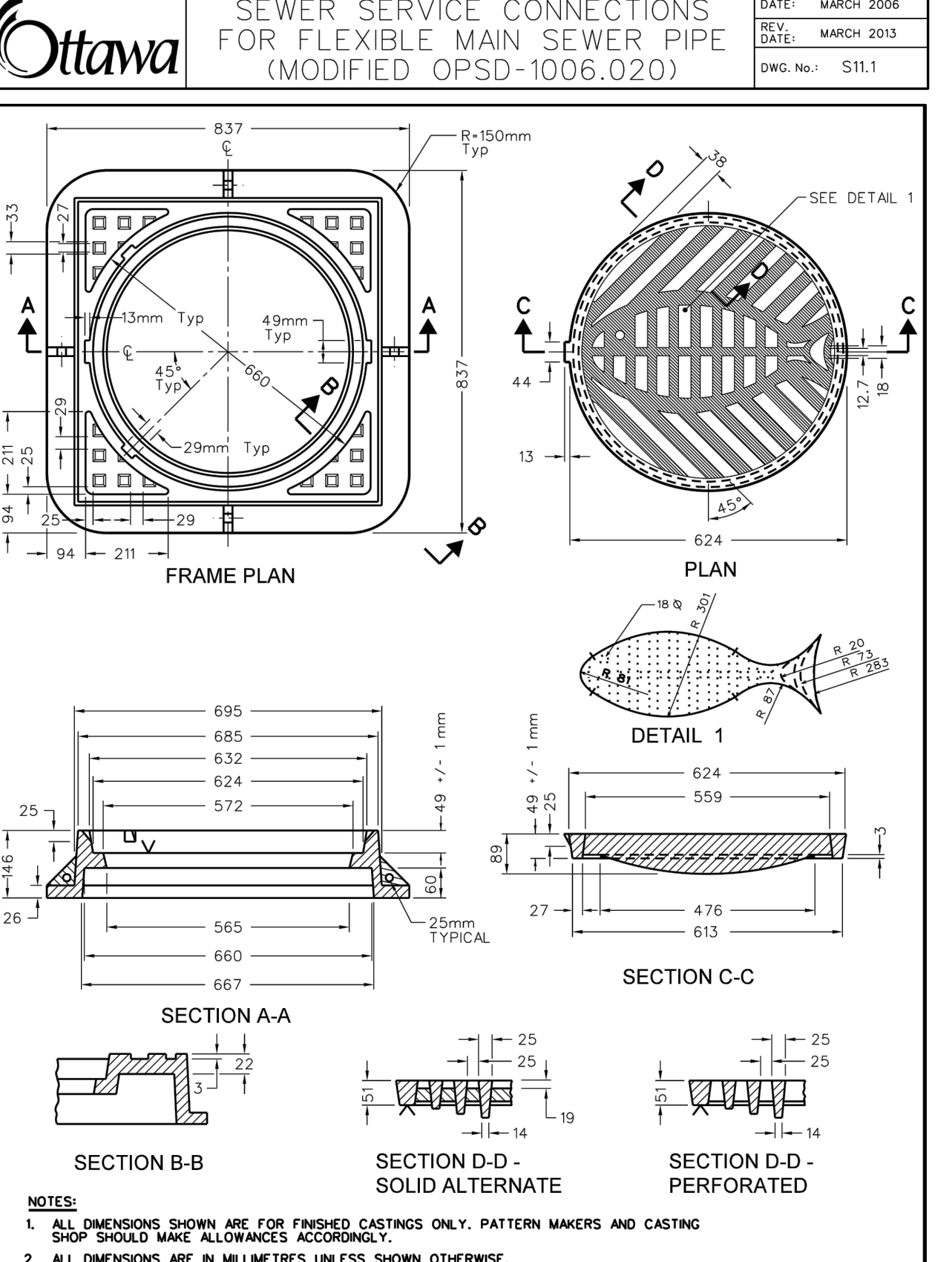
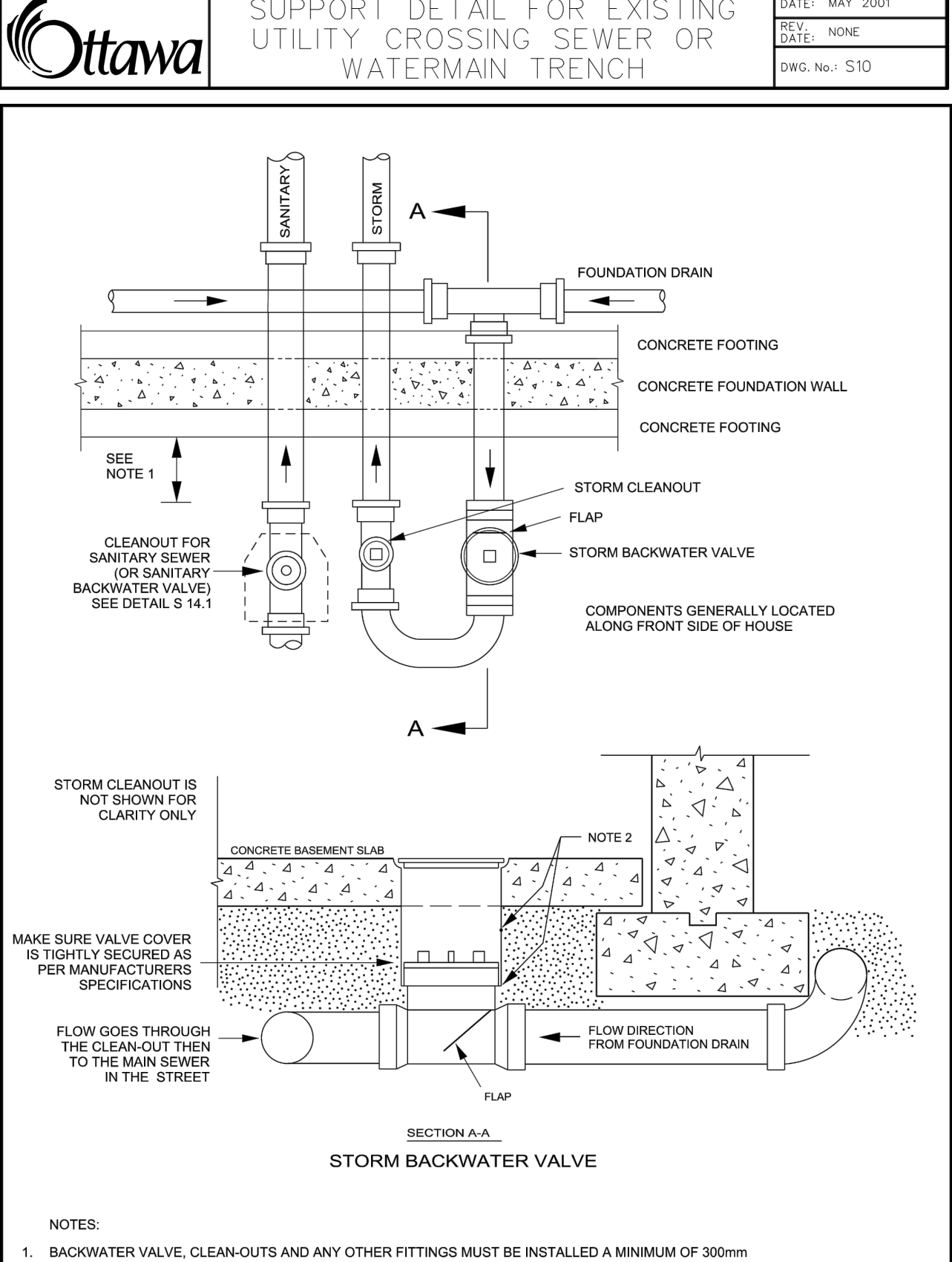
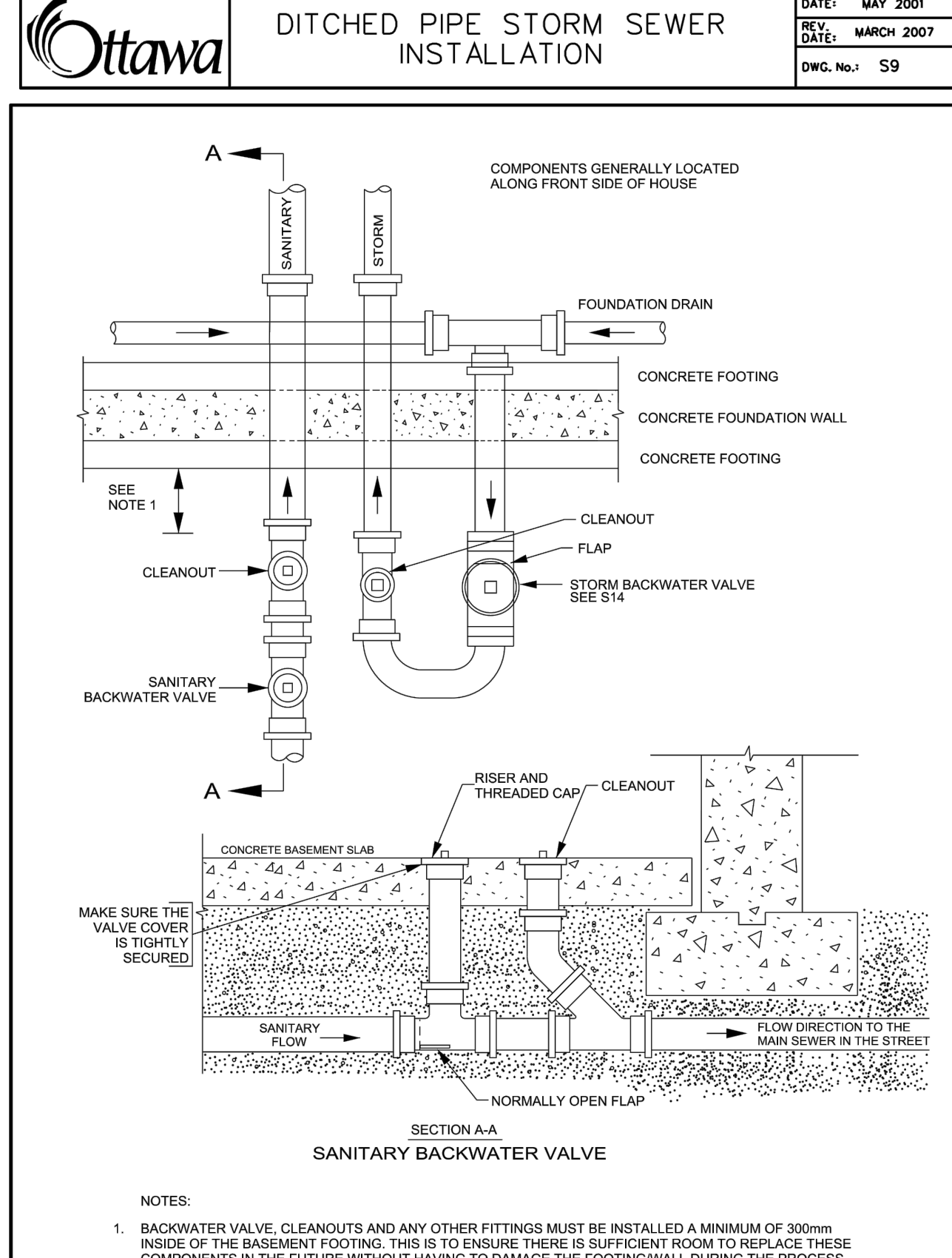
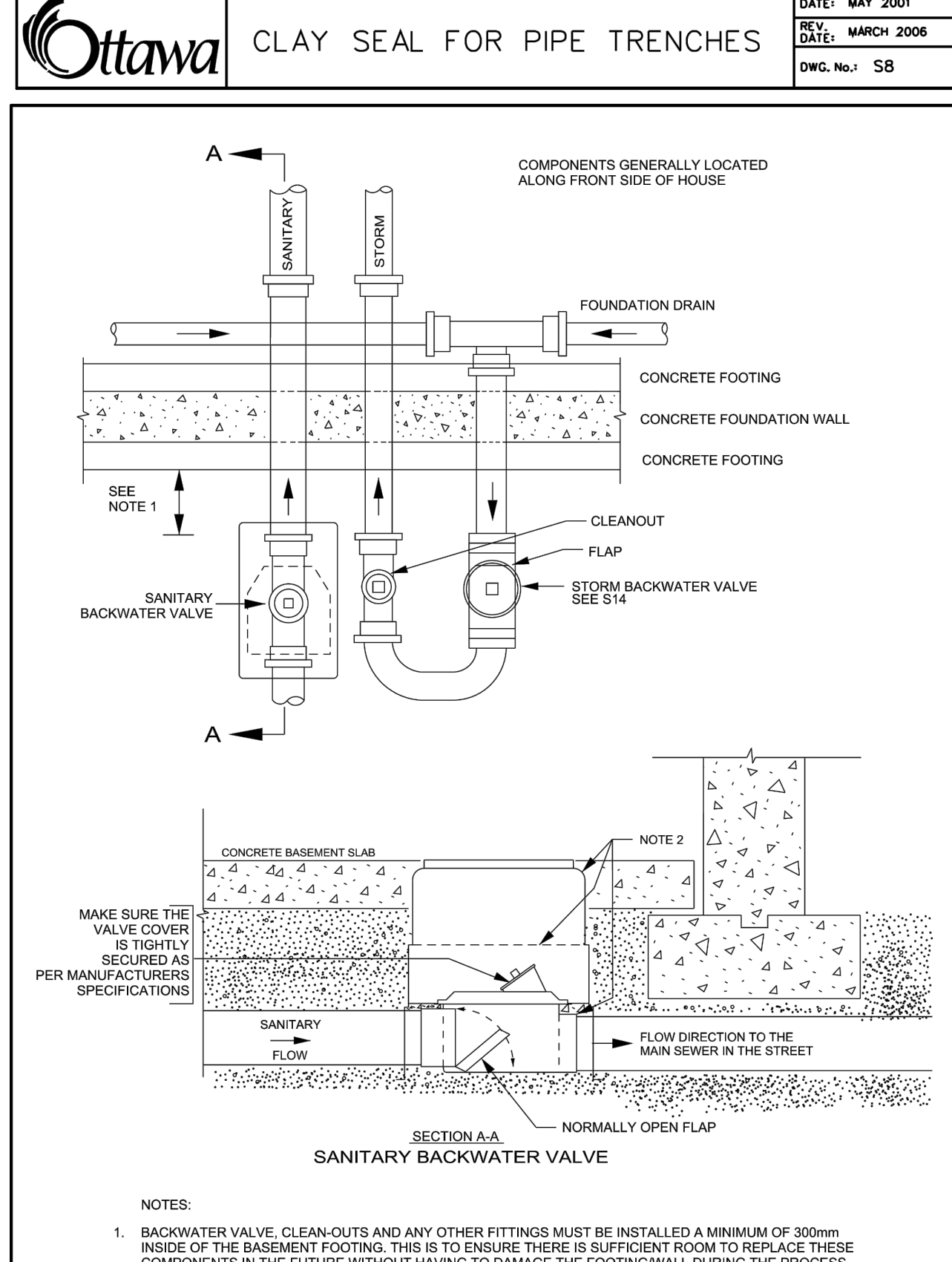
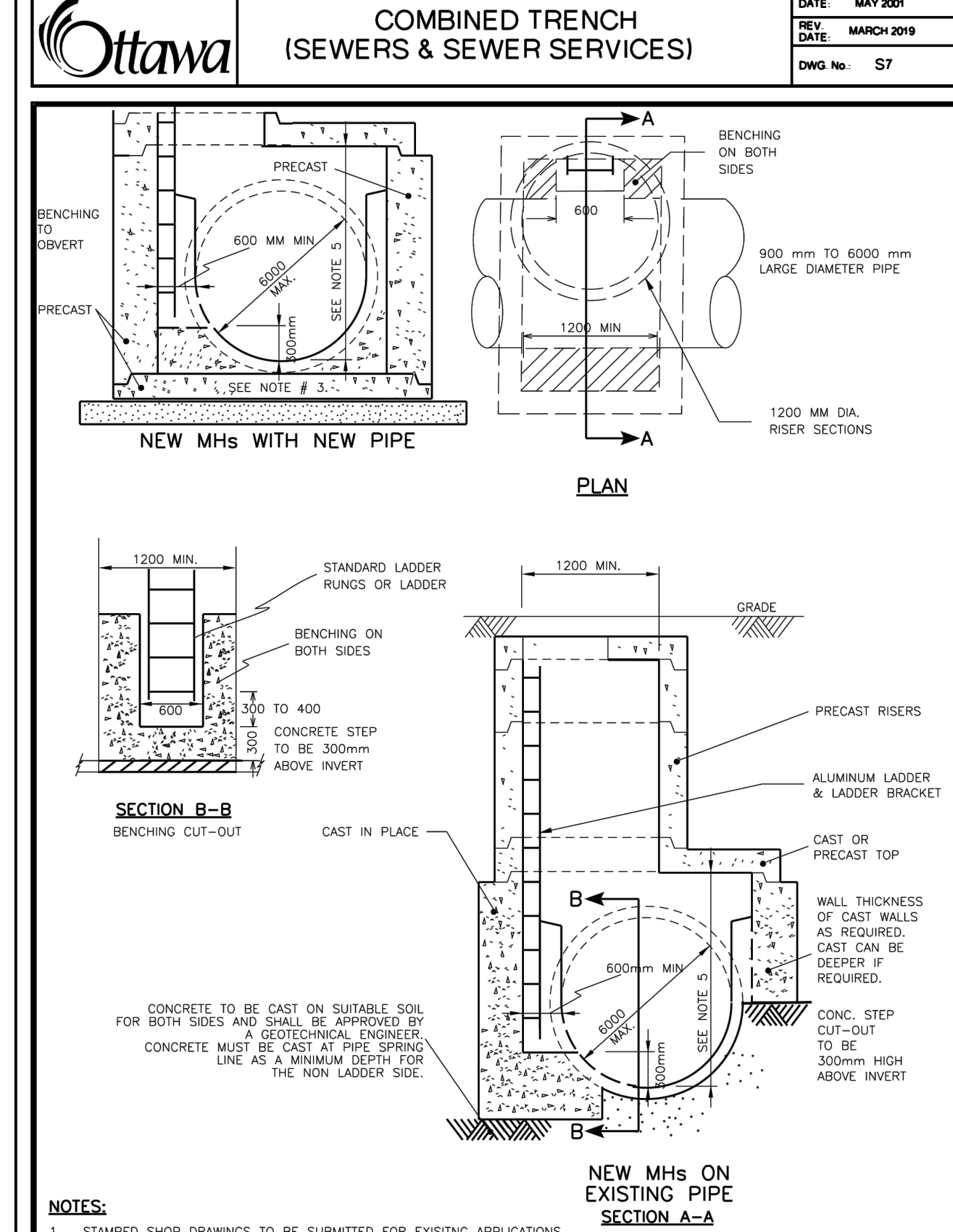
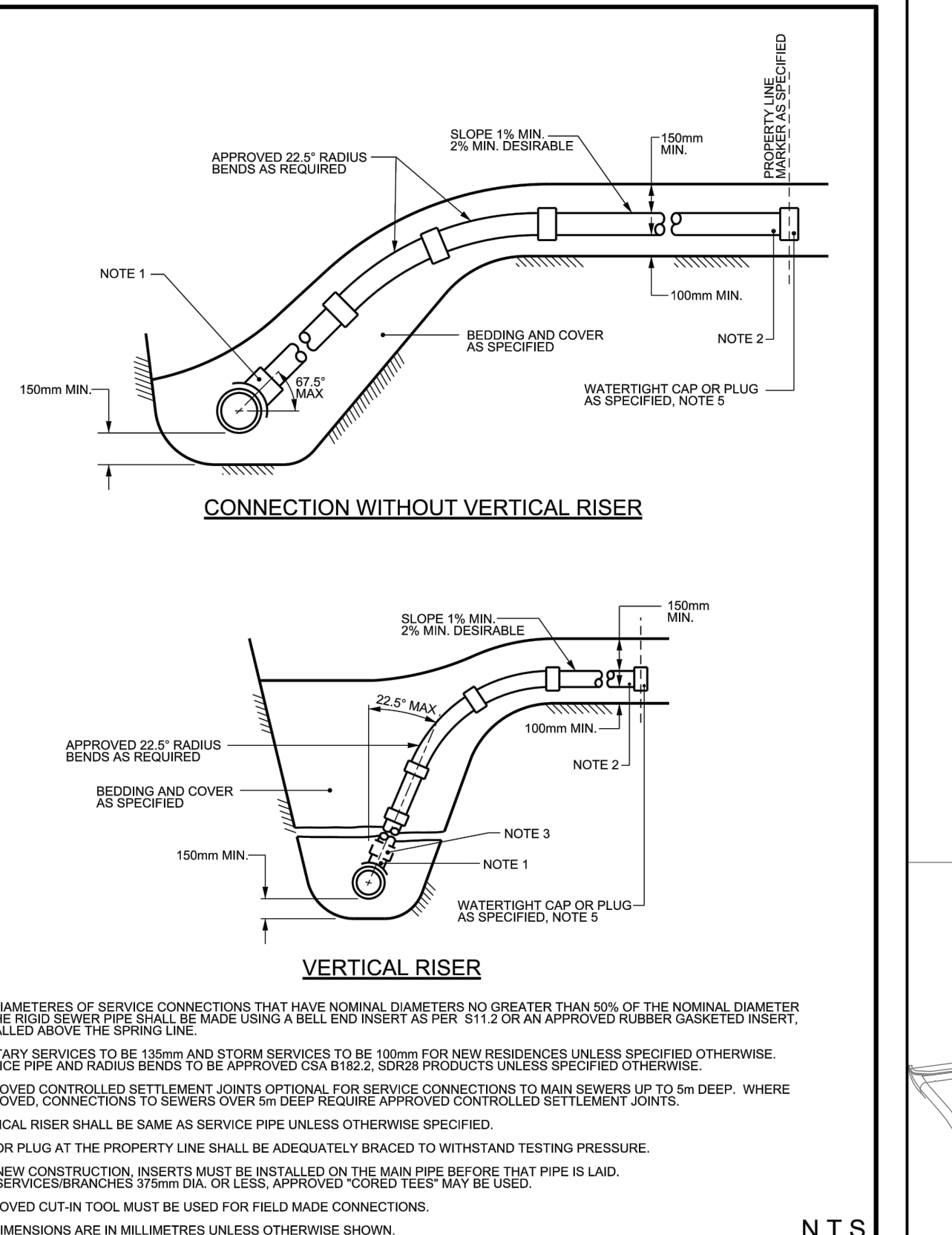
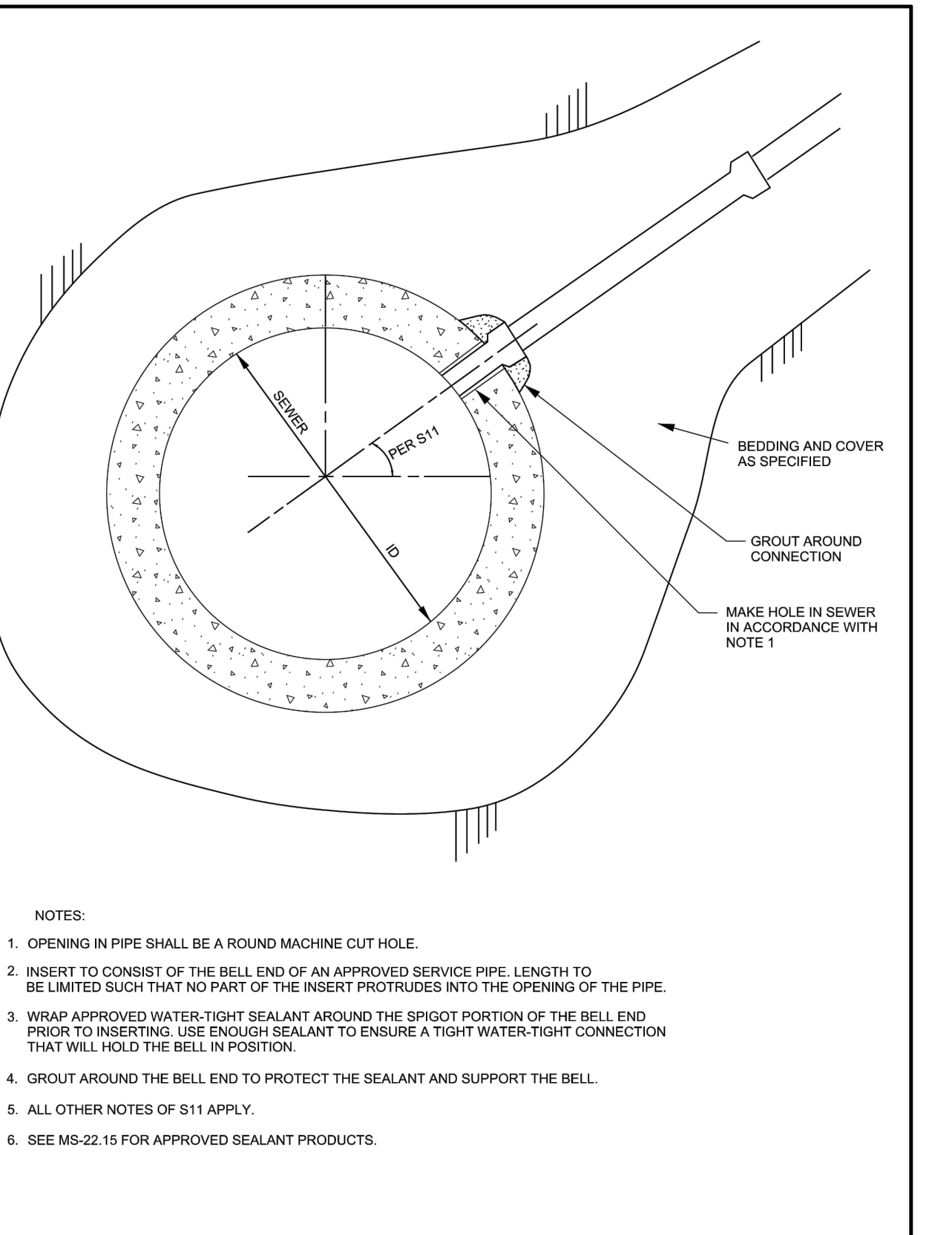
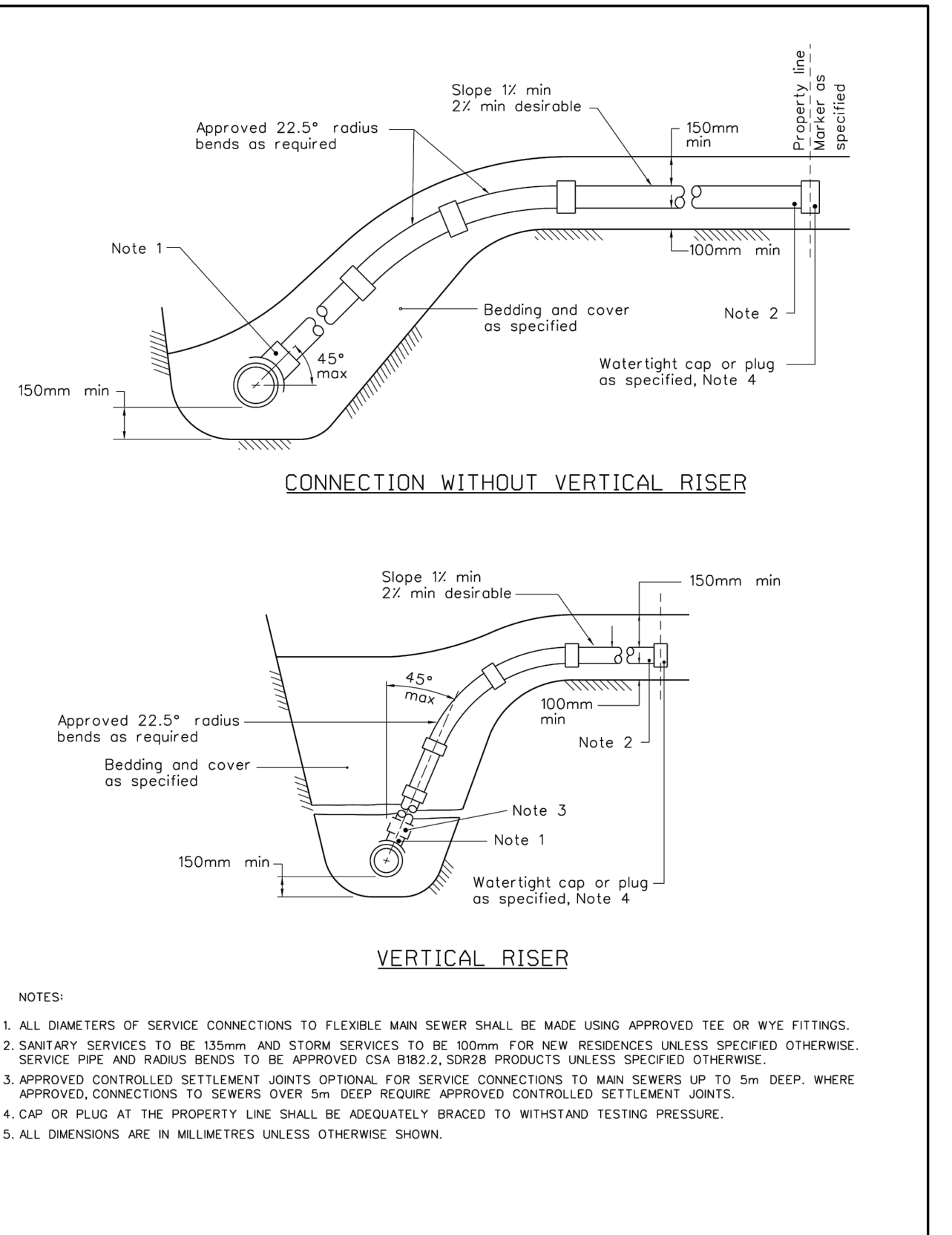
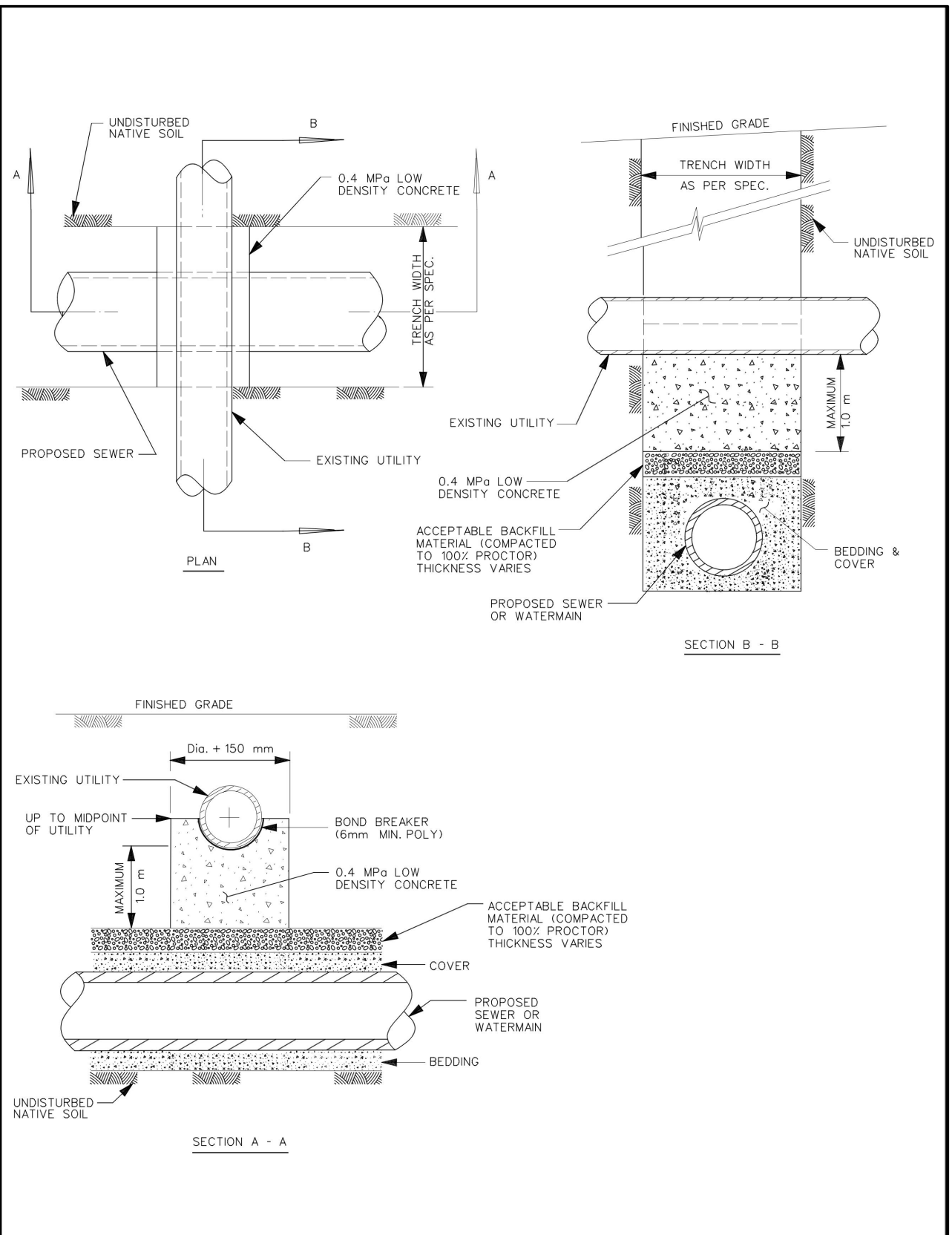
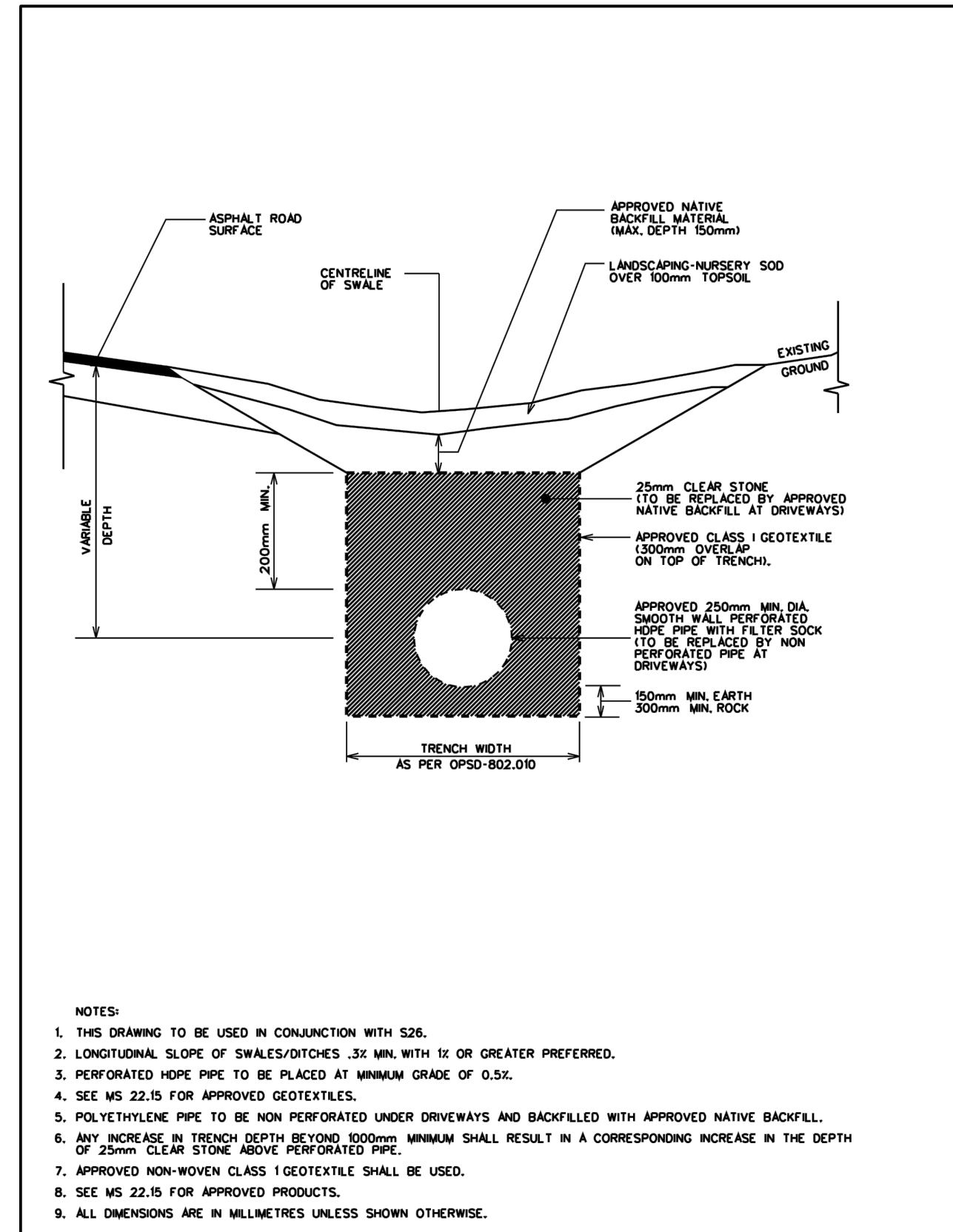
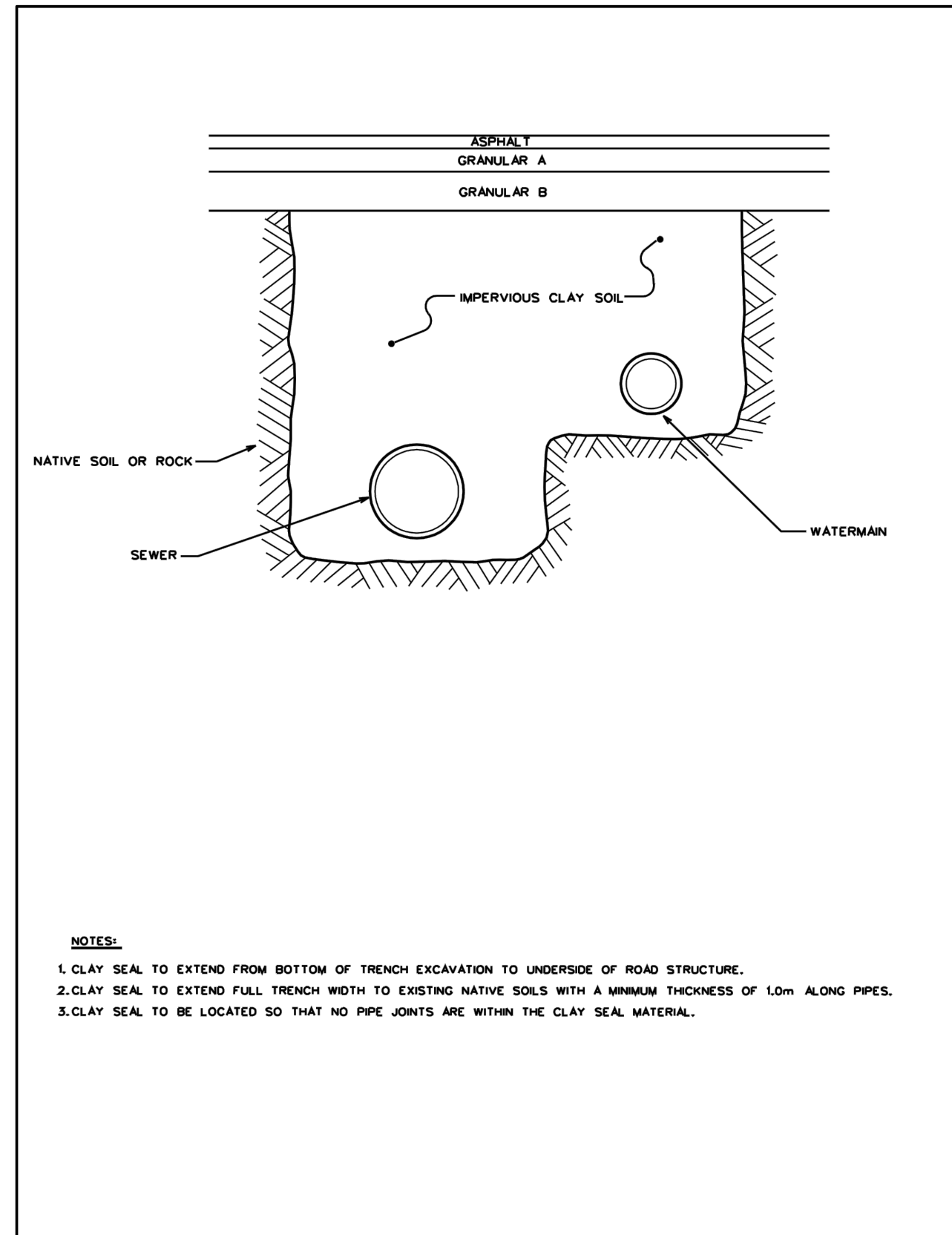
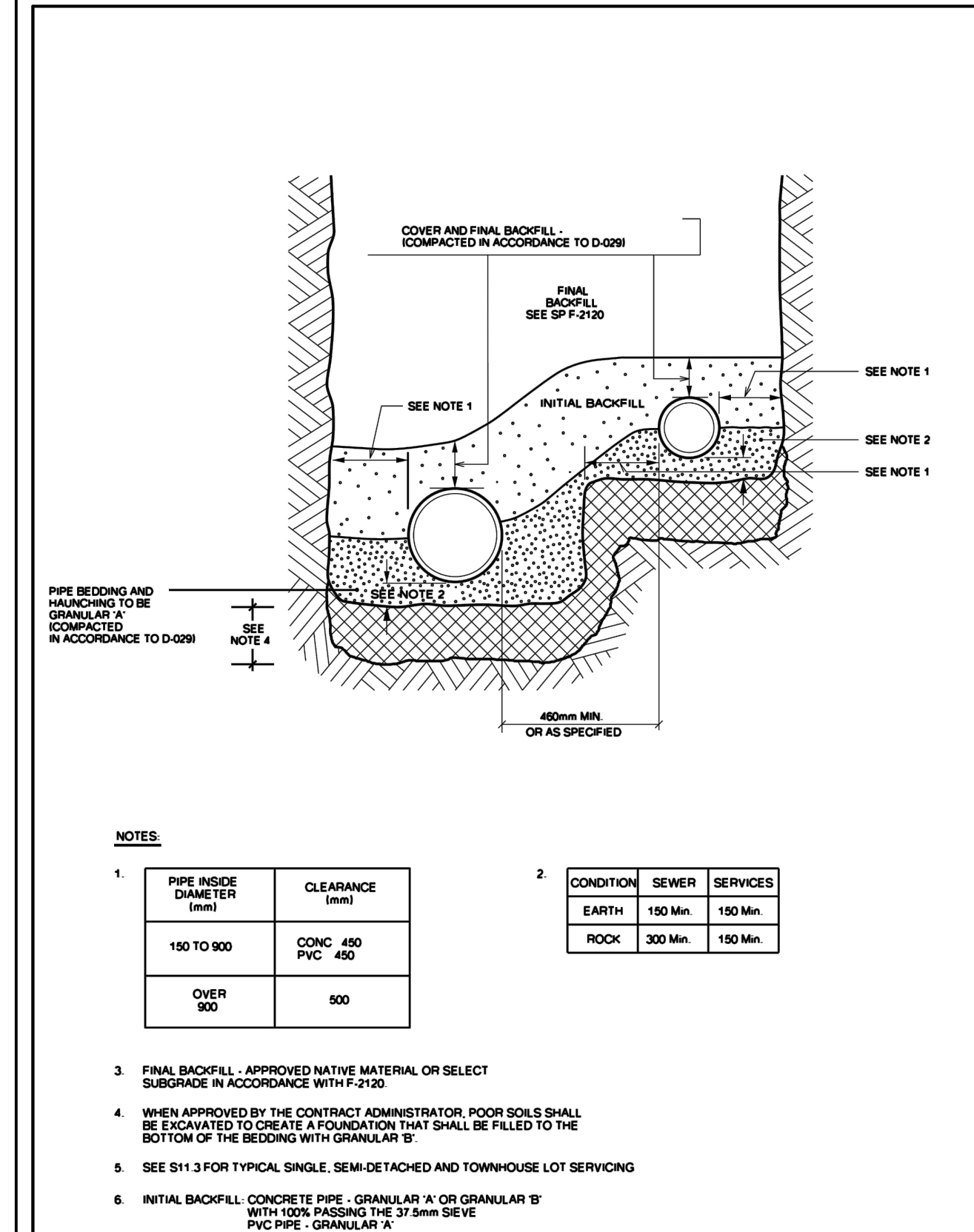
Project Number: 1033882
 Original Issue: 04/2022

PRELIMINARY
 NOT FOR CONSTRUCTION

Sheet Name: DETAILS 1

Sheet Number: C016

Project Status: STAGE 3



THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU CAMPUS
DE L'HÔPITAL D'OTTAWA

DRAFT

Project Manager	MA
Project Designer	JEG
Landscape Architect	JFF
Civil Engineer	EXF
Structural Engineer	SMH + ANDERSON
Mechanical Engineer	SMH + ANDERSON
Plumbing Engineer	SMH + ANDERSON
Electrical Engineer	SMH + ANDERSON
Equipment Planner	COLLINS
Writing/finishing	COLLINS

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSTRUCTION
02	2022-10-26	DRAFT FOR 90% SD
03	2022-11-30	ISSUED FOR SPC & FLUCA - 10% SUBMISSION

Project Number: 1033982
Original Issue: 04/22

Sheet Name: DETAILS 2

PRELIMINARY
NOT TO BE USED

Sheet Number: C017
Project Status: STAGE 3

