

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT



LEGEND

	BELL
	GAS
	HYDRO
	STREETLIGHT
	TRENCH
	TRENCH COVER
	TRAFFIC
	STORM WATER
	SANITARY WATER
	TREE PRESERVATION FENCE
	CONSTRUCTION FENCE
	EXISTING PROPERTY LINE
	LIMIT OF WORK
	SILT FENCE
	STRAW BALE CHECK DAM
	ROCK FLOW CHECK DAM
	CONTRACTOR PARKING + CONSTRUCTION STAGING AND LAYDOWN AREA
	CONSTRUCTION STAGING AND LAYDOWN AREA
	LIGHT VEHICLE / WORKER ACCESS ROAD
	PHASE 2 PAVED GARAGE PROJECT (UNDER SEPARATE CONTRACT)
	PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RFP PROCESS

- 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 MEASURES 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.
- PRIOR TO START OF CONSTRUCTION:**
 - WHEN SEDIMENT AND EROSION CONTROL MEASURES MUST BE REMOVED TO COMPLETE A PORTION OF THE WORK, THE SAME MEASURES MUST BE REINSTATED 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 SUMPS 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 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IN 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 TARPS, STRAW OR A GEOTEXTILE FABRIC TO AVOID FINE PARTICLES 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 2601 AND CANCOB8-15-1) AND WATER WITH EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE AT RATE IN ACCORDANCE TO OPSD 509 WHEN DIRECTED BY OWNER'S REPRESENTATIVE.
 - ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED 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 APPROVED 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 WEATHER CONDITIONS, TRUCKS AND ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
 - 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 ADJACENT 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.
 - 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 MOUND COVERERS.
 - INSPECT AND CLEAN CATCH BASIN SUMPS AND STORM SEWERS.

Project Manager	MB
Project Designer	JEQ
Project Architect	JPF
Landscape Architect	JPF
Civil Engineer	PARSONS
Structural Engineer	EXP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Workflows	Collins

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RFP
03	2022-11-30	ISSUED FOR SPC & FLUVA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-17	RE-ISSUED FOR SPC & FLUVA

Project Number	1033980
Original Issue	04/21/22
Date of Issue	2023-02-24
File Number	18991

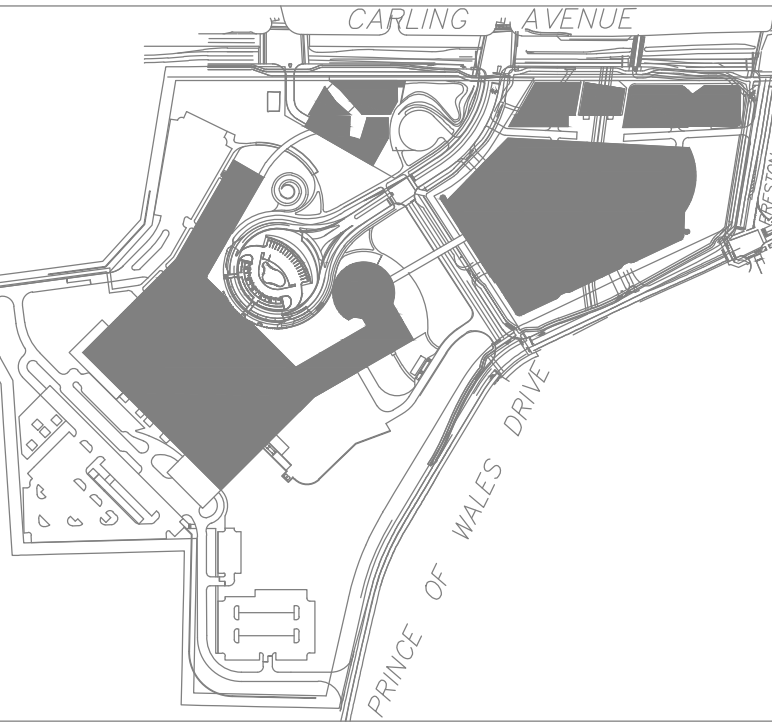
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Sheet Name
EROSION AND SEDIMENT CONTROL PLAN

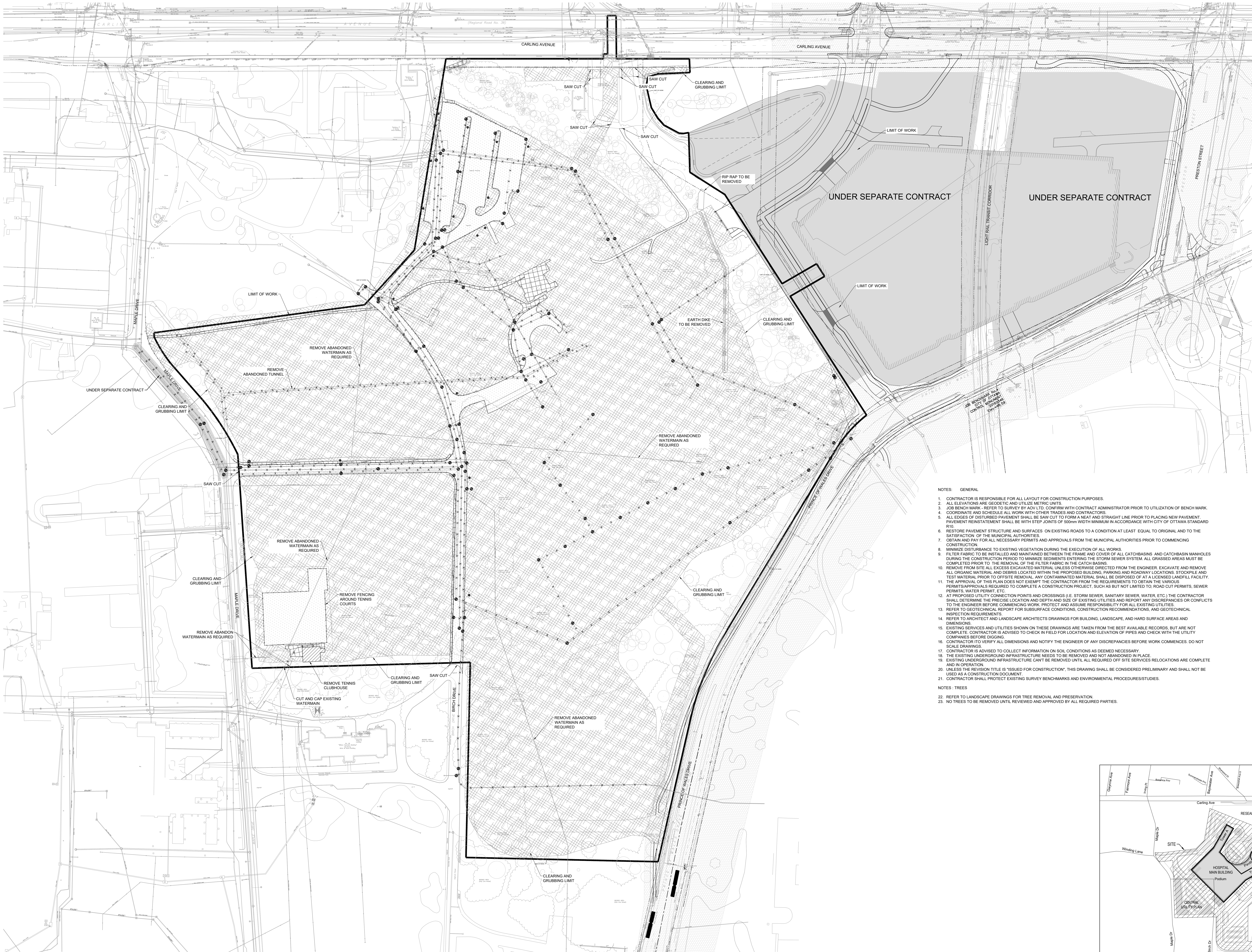
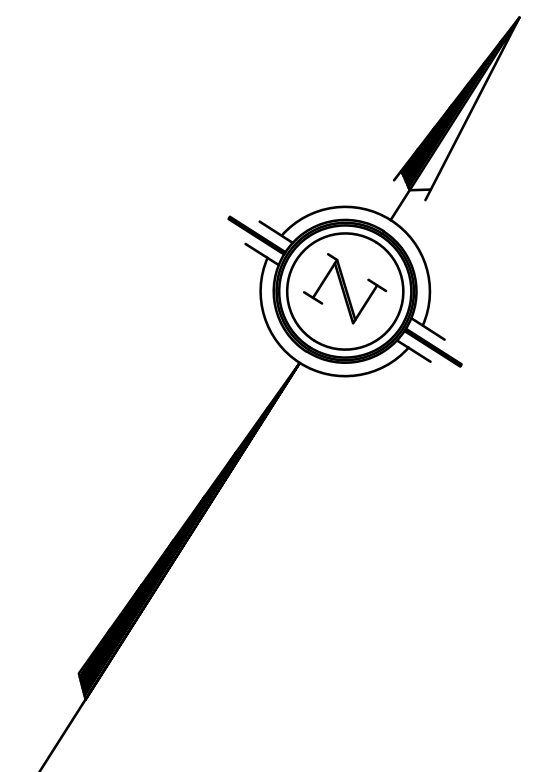
Sheet Number
C001

Project Status
STAGE 3

D07-12-22



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT



LEGEND

- EXISTING PROPERTY LINE
- - - - - LIMIT OF WORK
- - - - - PHASE 2 PARKING GARAGE PROJECT (UNDER SEPARATE CONTRACT)
- - - - - PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS
- BELL
- GAS
- HYDRO
- STREET LIGHT
- TELLS
- TRAFFIC
- STORM
- SANITARY
- WATER
- REMOVE ADJUSTMENT CATCHBASIN
- ADJUSTMENT MAINTENANCE HOLE
- REMOVE SEWER OR WATERMAIN
- ABANDON SEWER OR WATERMAIN
- CURB REMOVAL
- FENCE REMOVAL
- CONCRETE REMOVALS
- ASPHALT REMOVAL
- AREA TO BE CLEARED AND GRUBBED
- BUILDING TO BE REMOVED

- NOTES - GENERAL**
1. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 2. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 3. JOB BENCHMARK - REFER TO SURVEY BY ADVLTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCHMARK.
 4. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 5. 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 CITY OF OTTAWA STANDARD R110.
 6. RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 7. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 8. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 9. 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 BASIN.
 10. 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. STOCKPILE AND TEST MATERIAL PRIOR TO OFF SITE REMOVAL. ANY CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 11. 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.
 12. 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.
 13. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
 14. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
 15. 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.
 16. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
 17. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
 18. THE EXISTING UNDERGROUND INFRASTRUCTURE NEEDS TO BE REMOVED AND NOT ABANDONED IN PLACE.
 19. EXISTING UNDERGROUND INFRASTRUCTURE CAN'T BE REMOVED UNTIL ALL REQUIRED OFF SITE SERVICES RELOCATIONS ARE COMPLETE AND IN OPERATION.
 20. UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THIS DRAWING SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
 21. CONTRACTOR SHALL PROTECT EXISTING SURVEY BENCHMARKS AND ENVIRONMENTAL PROCEDURES/STUDIES.
- NOTES - TREES**
22. REFER TO LANDSCAPE DRAWINGS FOR TREE REMOVAL AND PRESERVATION.
 23. NO TREES TO BE REMOVED UNTIL REVIEWED AND APPROVED BY ALL REQUIRED PARTIES.

Project Manager M. H.

Project Designer J.E.G.

Project Architect J.E.G.

Landscape Architect J.F. Fife

Civil Engineer PARSONS

Structural Engineer EDP

Mechanical Engineer Smith + Anderson

Electrical Engineer Smith + Anderson

Plumbing Engineer Smith + Anderson

Interior Designer Collins

Equipment Planner Collins

Wayfinding Collins

Sheet Revisions

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RFP ID
03	2022-11-30	ISSUED FOR RFP & FLUVA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR RFP ID
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR RFP & FLUVA

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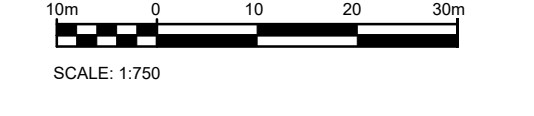
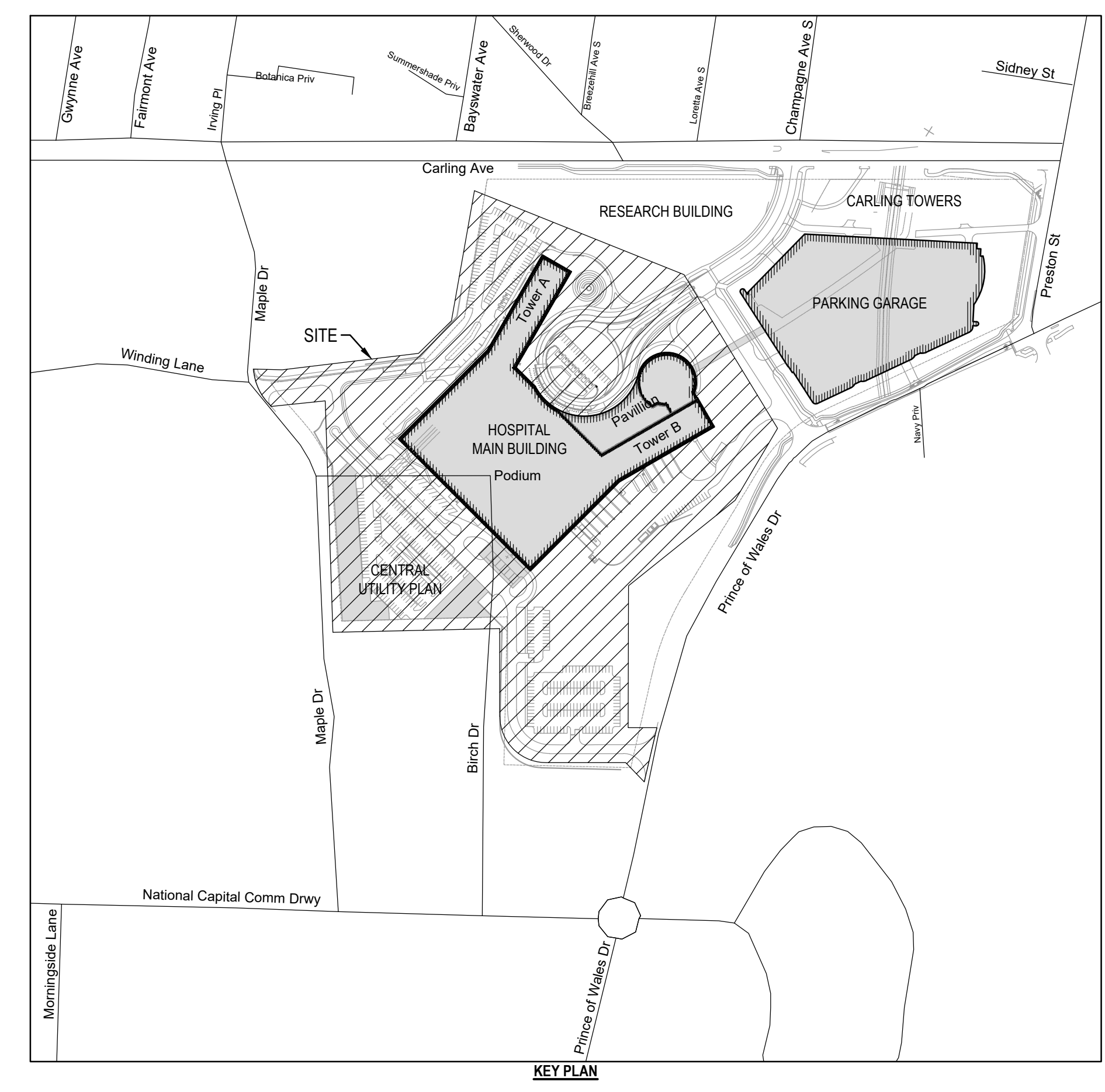
Project Status: STAGE 3

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name: REMOVALS

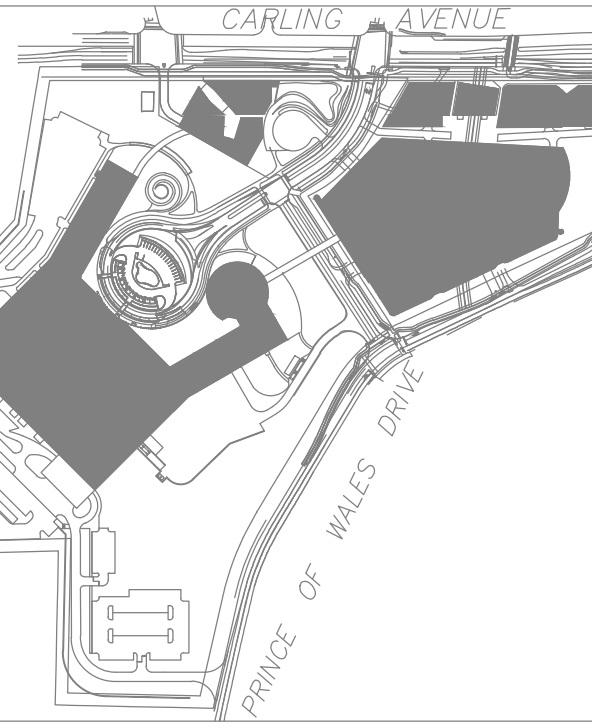
Sheet Number: C002

Project Status: STAGE 3



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D07-12-22-016



**THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT**

NOTES: GENERAL

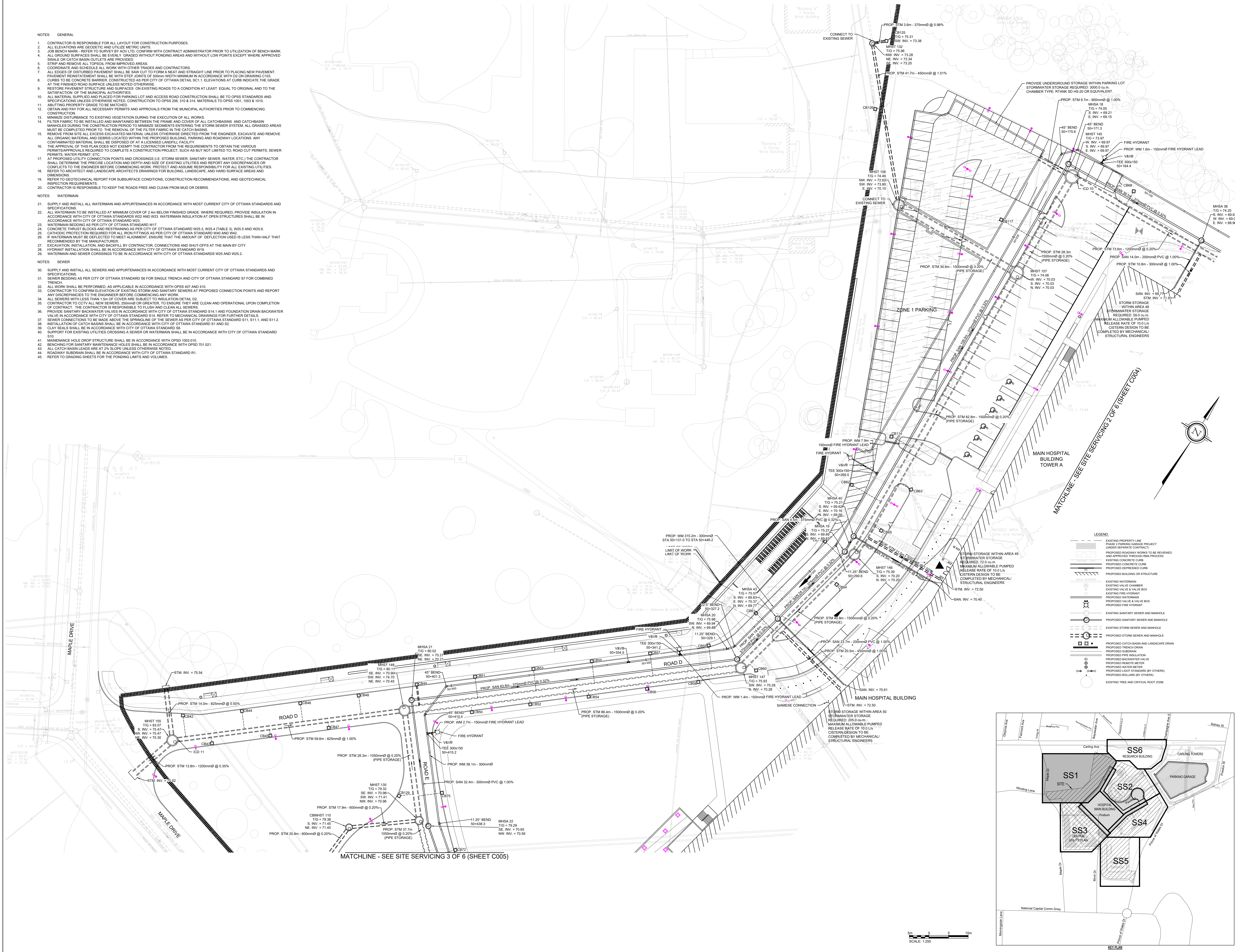
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- JOB BENCH MARK: REFER TO SURVEY BY AGL LTD. CONTRA WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING 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 SCHEME 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 CD ON DRAWING C103.
- CURBS TO BE CONCRETE BARRER. CONSTRUCT AS PER CITY OF OTTAWA DETAIL 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 SHALL BE PLACED FOR PAVING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPS8 STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPS8 200, 310 & 314 MATERIALS TO OPS8 1001, 1003 & 1010.
- ADJUSTING 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 BASIN.
- 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 THRUST BLOCKS AND RESTRAINTS AS PER CITY OF OTTAWA STANDARD W23.4 (TABLE 3), W25.5 AND W25.6.
- CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
- 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 OPS8 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, 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 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 OPS8 1003.010.
- BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPS8 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 PROPERTY LINE (UNDER SEPARATE CONTRACT)
- 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 VALVE A VALVE BOX
- EXISTING WATERMAIN
- PROPOSED VALVE A 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 SUBURBAN
- PROPOSED PIPE INSULATION
- PROPOSED BACKWATER VALVE
- PROPOSED HEAT METER
- PROPOSED WATER METER
- PROPOSED LIGHT STANDARDS (BY OTHERS)
- PROPOSED SIGNAGE (BY OTHERS)
- EXISTING TREE AND CRITICAL ROOT ZONE



Project Manager MB
Project Designer JEG
Project Architect JEG
Landscape Architect JFF
Civil Engineer PARSONS
Mechanical Engineer SM
Structural Engineer Smith + Anderson
Electrical Engineer Smith + Anderson
Plumbing Engineer Smith + Anderson
Equipment Planner Collins
Windfields PARSONS

MARK DATE DESCRIPTION

01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RFP S0
03	2022-11-30	ISSUED FOR SPC & FLUCA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR SPC & FLUCA - 2ND SUBMISSION
05	2023-03-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUCA

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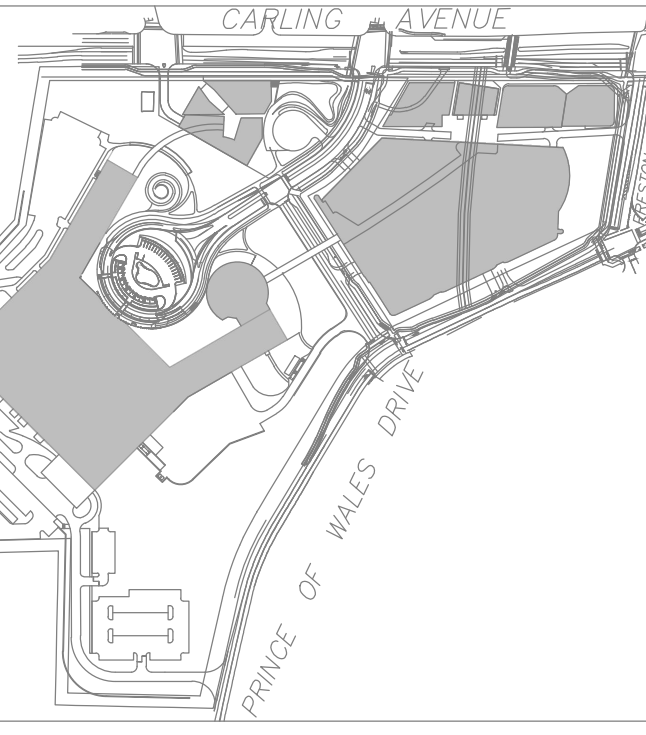
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1 OF 6**

Sheet Number
C003

Project Status
STAGE 3

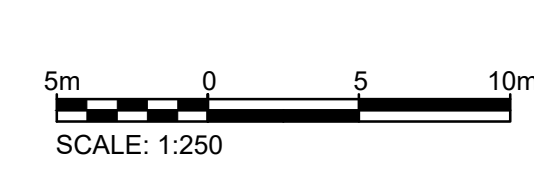
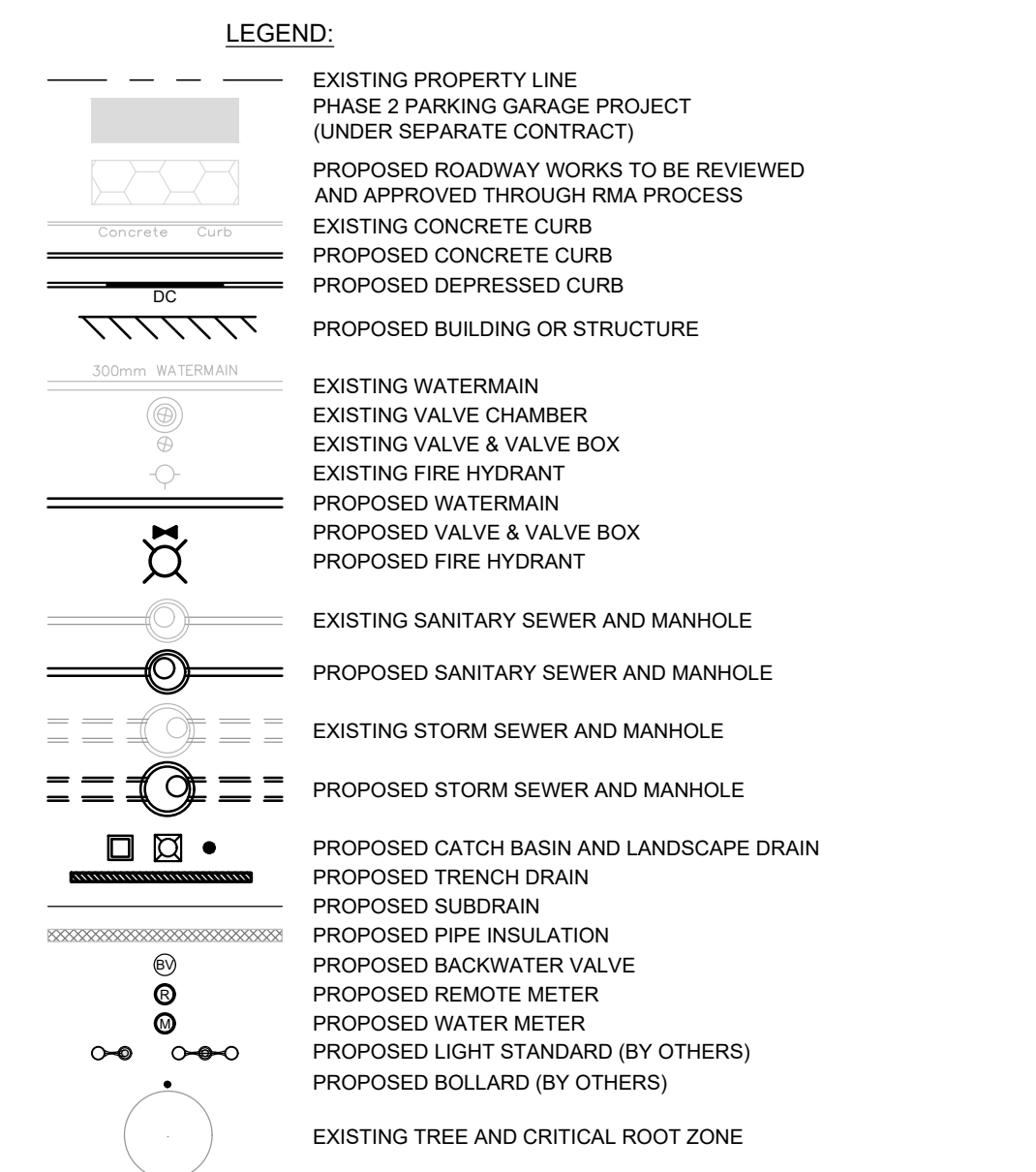
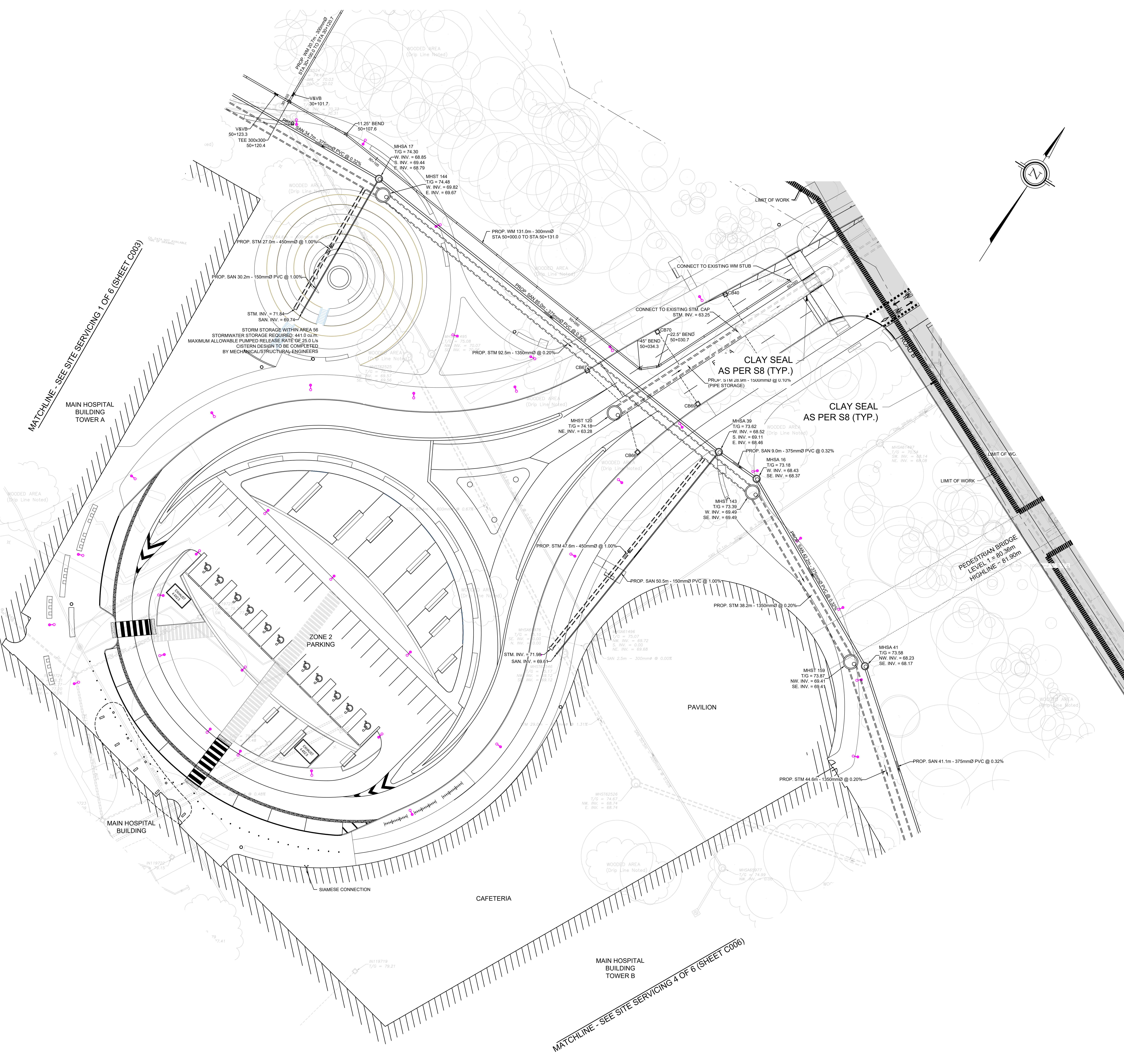
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THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

- 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 PONDED 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 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 AND SHALL BE IN ACCORDANCE WITH THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
 - 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.
 - 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 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 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 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 WITH OPSS 1021.
 - CONTRACTOR TO CUT 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 S14.5 AND FOUNDATION DRAIN BACKWATER VALVES 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 CITY OF OTTAWA STANDARD S10.021.
 - 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	JH Fahs
Landscape Architect	PARSONS
Civil Engineer	EXP
Structural Engineer	Smith + Anderson
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Wyzfindia

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE CONSULTATION
02	2022-10-26	DRAFT FOR RFP 3D
03	2022-11-30	ISSUED FOR SPEC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3d1.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPEC & FLUIDA

Project Number	1033396
Original Issue	04/12/22
File Number	201-22-02-0168
Rev	1001

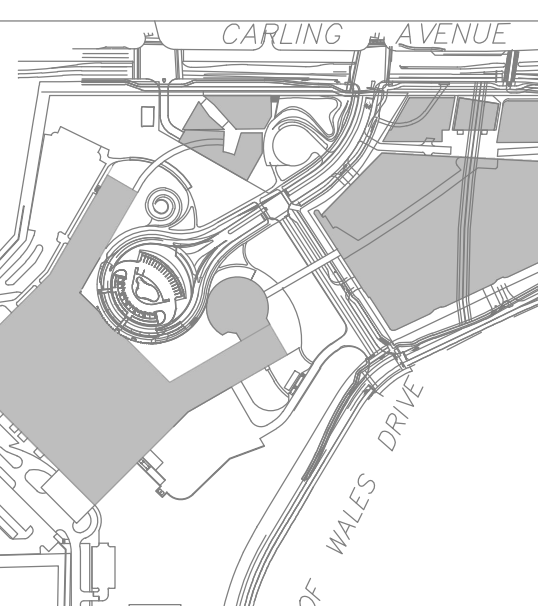
PRELIMINARY
NOT FOR CONSTRUCTION

SITE
SITE SERVICING PLAN
2 OF 6

Sheet Number
C004

Project Status
STAGE 3

D07-12-22-0168



Project Manager	MI
Project Designer	JEG
Project Architect	JH
Landscape Architect	JH
Civil Engineer	PARSONS
Structural Engineer	ENV
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	
Wayfindings	

Sheet Reviewer: PARSONS

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RFP ID
03	2022-11-30	ISSUED FOR SPEC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPEC & FLUIDA

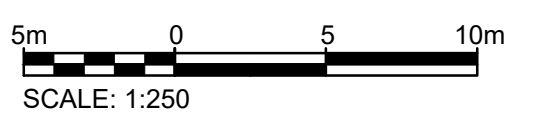
Project Number	1033982
Original Issue	04/12/22
File Number	2021-02-22-0168
File	18991

PRELIMINARY
NOT FOR CONSTRUCTION

- 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 S1.1. 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 MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPS8 STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPS8 206, 310 & 314. MATERIALS TO OPS8 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.

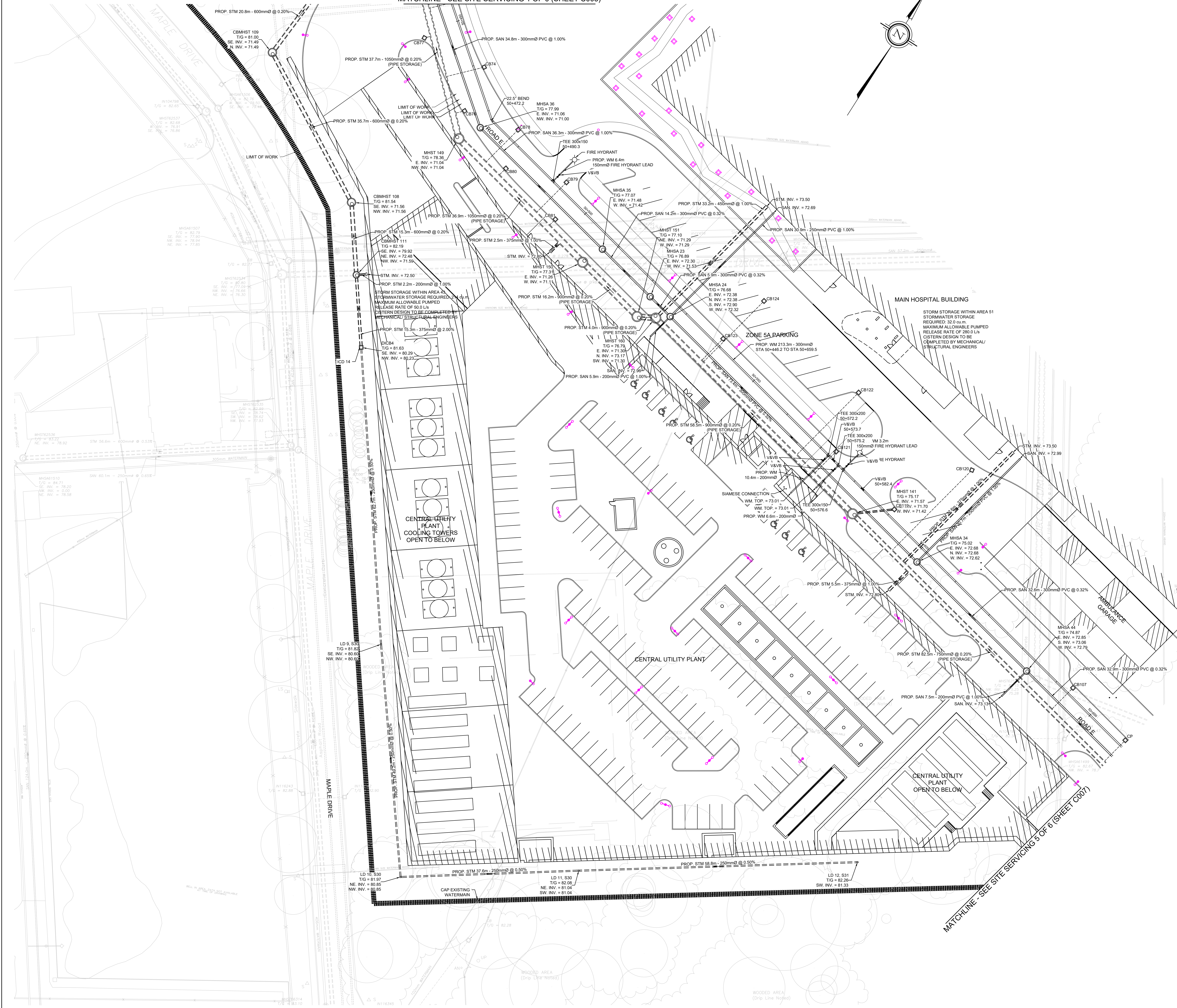
- NOTES - WATERMAIN
- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE, WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W23.
 - 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 3), W25.5 AND W25.6.
 - CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W26 AND W27.
 - 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 W31 AND W32.
 - 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 OPS8 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 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 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 OPS8 1003.010.
 - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPS8 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.

- LEGEND
- EXISTING PROPERTY LINE
 - PROPOSED PONDING GARAGE PROJECT (UNDER SEPARATE CONTRACT)
 - PROPOSED MAINTENANCE HOLES TO BE REVENUED AND APPROVED THROUGH RMA PROCESS
 - PROPOSED CONCRETE CURB
 - PROPOSED EXPOSED CURB
 - PROPOSED BUILDING OR STRUCTURE
 - EXISTING WATERMAIN
 - EXISTING VALVE CHAMBER
 - EXISTING FIRE HYDRANT
 - EXISTING FIRE HYDRANT
 - 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 OPEN
 - PROPOSED SUBCRANK
 - PROPOSED FIRE ISOLATION
 - PROPOSED BACKWATER VALVE
 - PROPOSED REMOTE METER
 - PROPOSED WATER METER
 - PROPOSED LIGHT STANDARDS (BY OTHERS)
 - PROPOSED BOLLARD (BY OTHERS)
 - EXISTING TREE AND CRITICAL ROOT ZONE



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

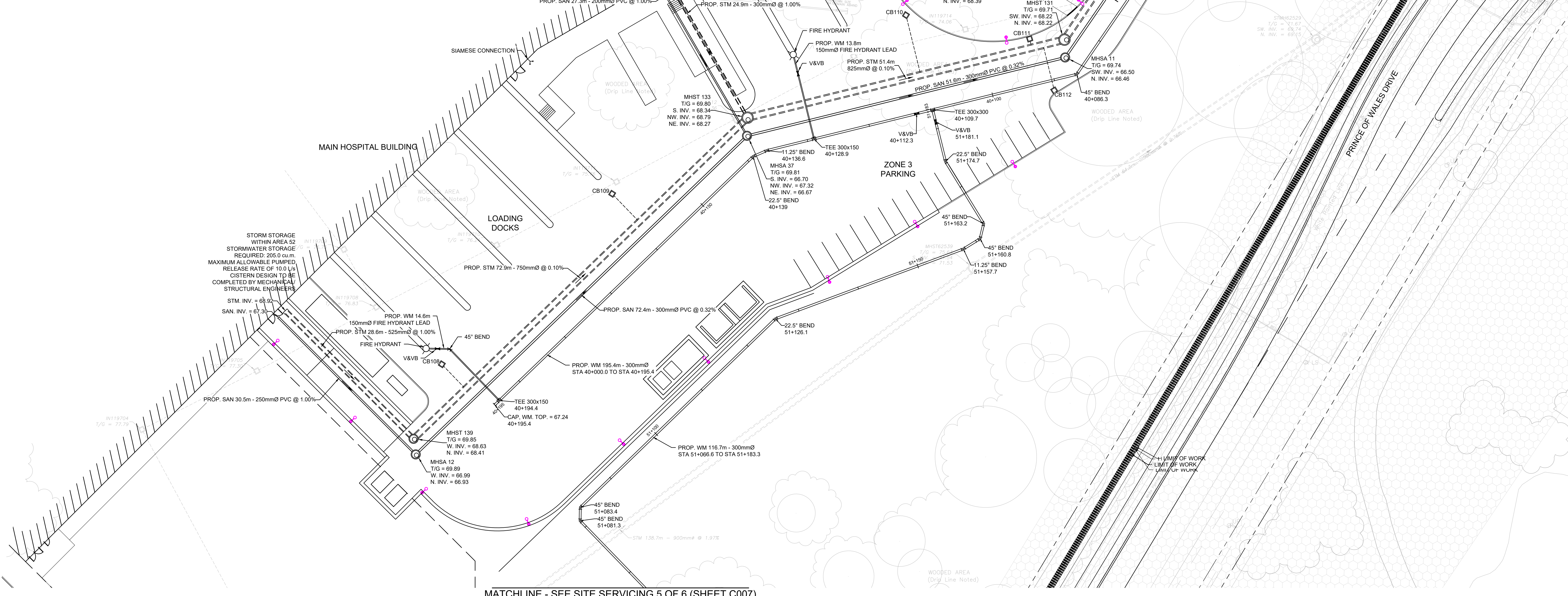
MATCHLINE - SEE SITE SERVICING 5 OF 6 (SHEET C007)



- 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. CONFORM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT FLOODING 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 500mm WIDTH MINIMUM IN ACCORDANCE WITH CD 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 208, 313 & 314. MATERIALS TO OPSS 1001, 1002 & 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 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 BASIN.
 - 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.

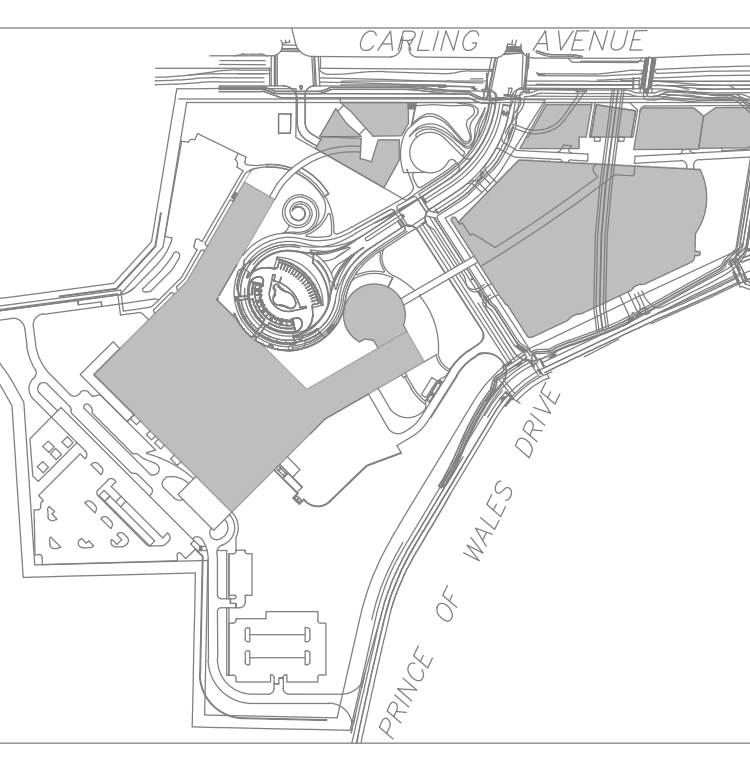
- NOTES: WATERMAIN
- SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE REQUIRED, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W22 AND W23. WATERMAIN INSULATION AT OPEN STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W21.
 - WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
 - CONCRETE THRUST BLOCKS AND RESTRAINS AS PER CITY OF OTTAWA STANDARD W3.3, W3.4 (TABLE 3), W2.5 AND W2.5.
 - 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 CUT 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 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.
 - 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 SUBGRAN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
 - REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



LEGEND:

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



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

Project Manager: MB
Project Designer: JEG
Project Architect: JFH
Landscape Architect: JFH
Civil Engineer: PARSONS
Structural Engineer: E3P
Mechanical Engineer: Smith + Anderson
Electrical Engineer: Smith + Anderson
Plumbing Engineer: Smith + Anderson
Interior Designer: Collins
Equipment Planner: Collins
Wayfindings: Collins

MARK DATE DESCRIPTION

01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RFP
03	2022-11-30	ISSUED FOR SPC & FLUVA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1-2
05	2023-03-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUVA

Project Number: 1033980
Original Issue: 04/12/22
File Number: 201-22-22-0168
Rev: 18891

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET NAME
SITE SERVICING PLAN
4 OF 6

SHEET NUMBER
C006

PROJECT STATUS
STAGE 3

D07-12-22-0168

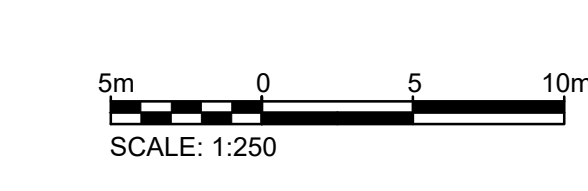
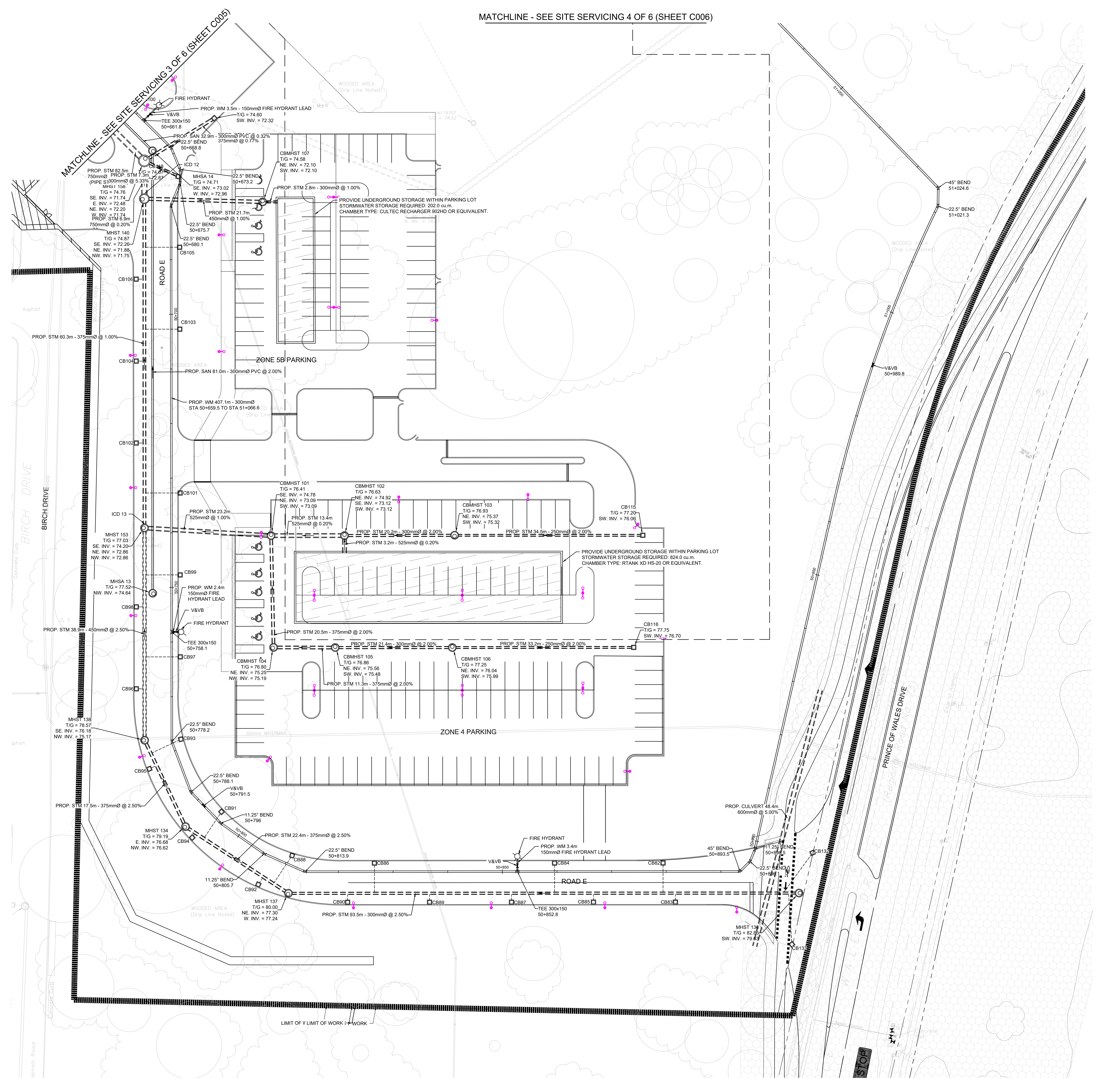
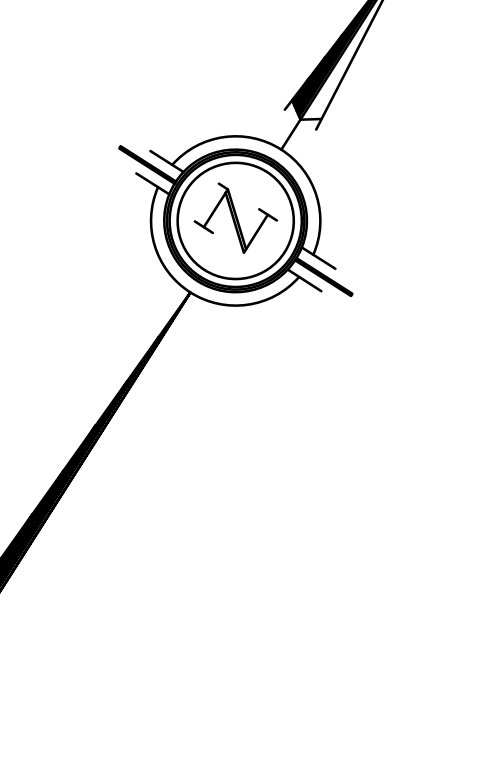
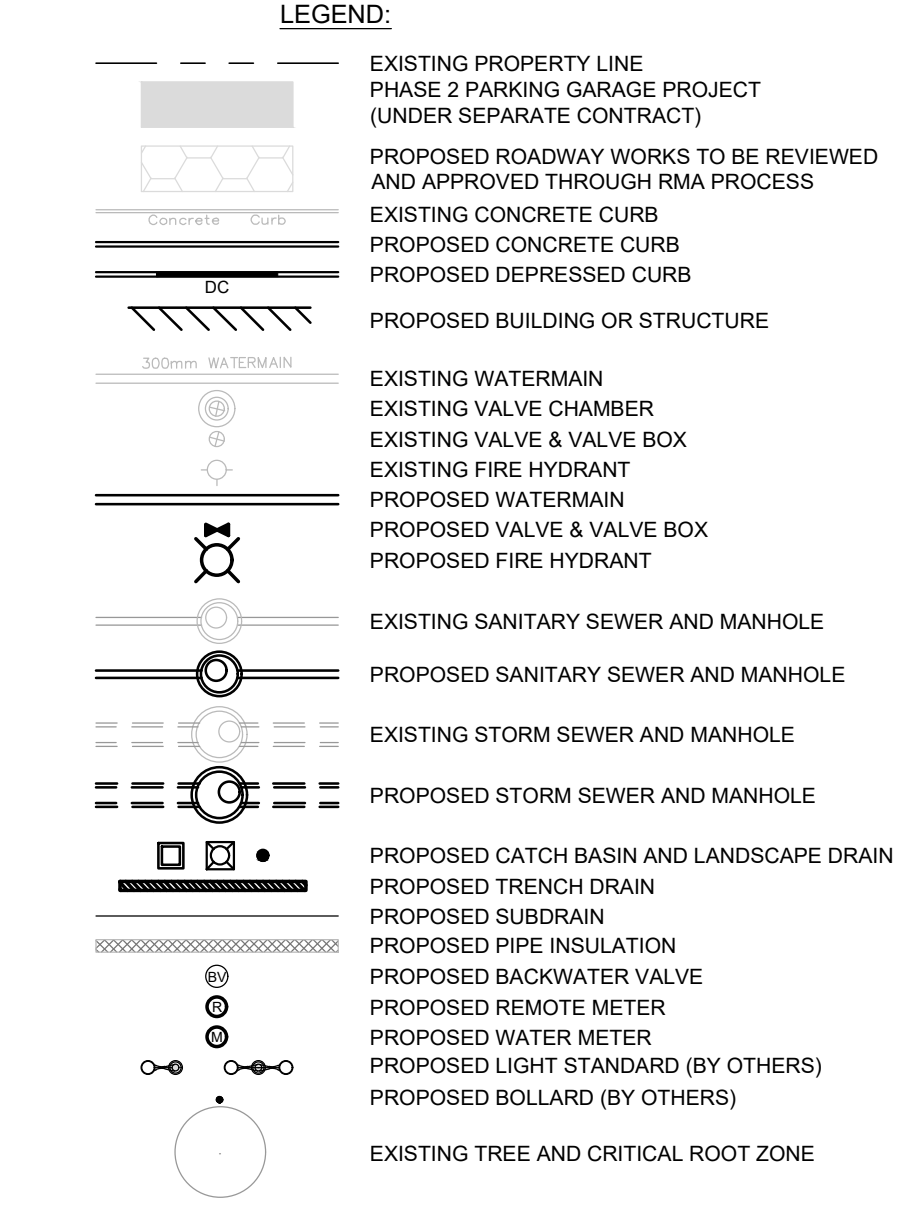


THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

- 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. 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 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 02 ON DRAWING C103. CURBS TO BE CONCRETE BARRIER CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SCL1. 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 OPSIS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSIS 200, 310 & 314. MATERIALS TO OPSIS 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 GRASSSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASIN.
 - 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 INSPECTOR 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 STANDARDS W23.
 - WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
 - CONCRETE THURST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W23.3, W24.4 (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 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 OPSIS 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 200mm OR GREATER TO ENSURE THEY ARE CLEAR 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 BY WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
 - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSIS 1003.010.
 - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSIS 701.021.
 - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
 - ROADWAY SUBGRAN 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	JFF
Landscape Architect	JFF
Civil Engineer	PARSONS
Structural Engineer	ENR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Wayfindings	Wayfindings

Sheet Reviewer	PARSONS
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MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR IFC 1D
03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUIDA

Project Number	1033980
Original Issue	04/21/22
File Number	201-22-02-0168
File	18891

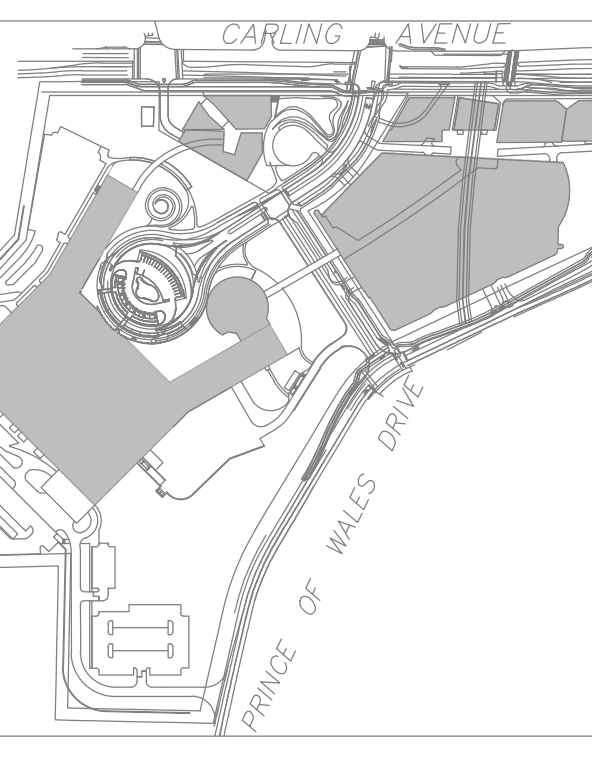
PRELIMINARY
NOT FOR CONSTRUCTION

SITE
SITE SERVICING PLAN
5 OF 6

Sheet Number
C007

Project Status
STAGE 3

D07-12-22-0168



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NOTES: GENERAL

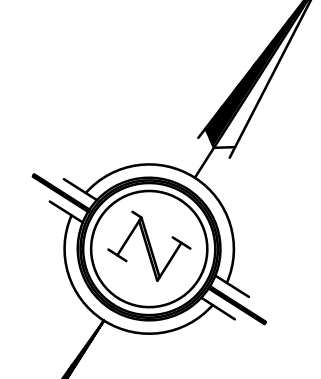
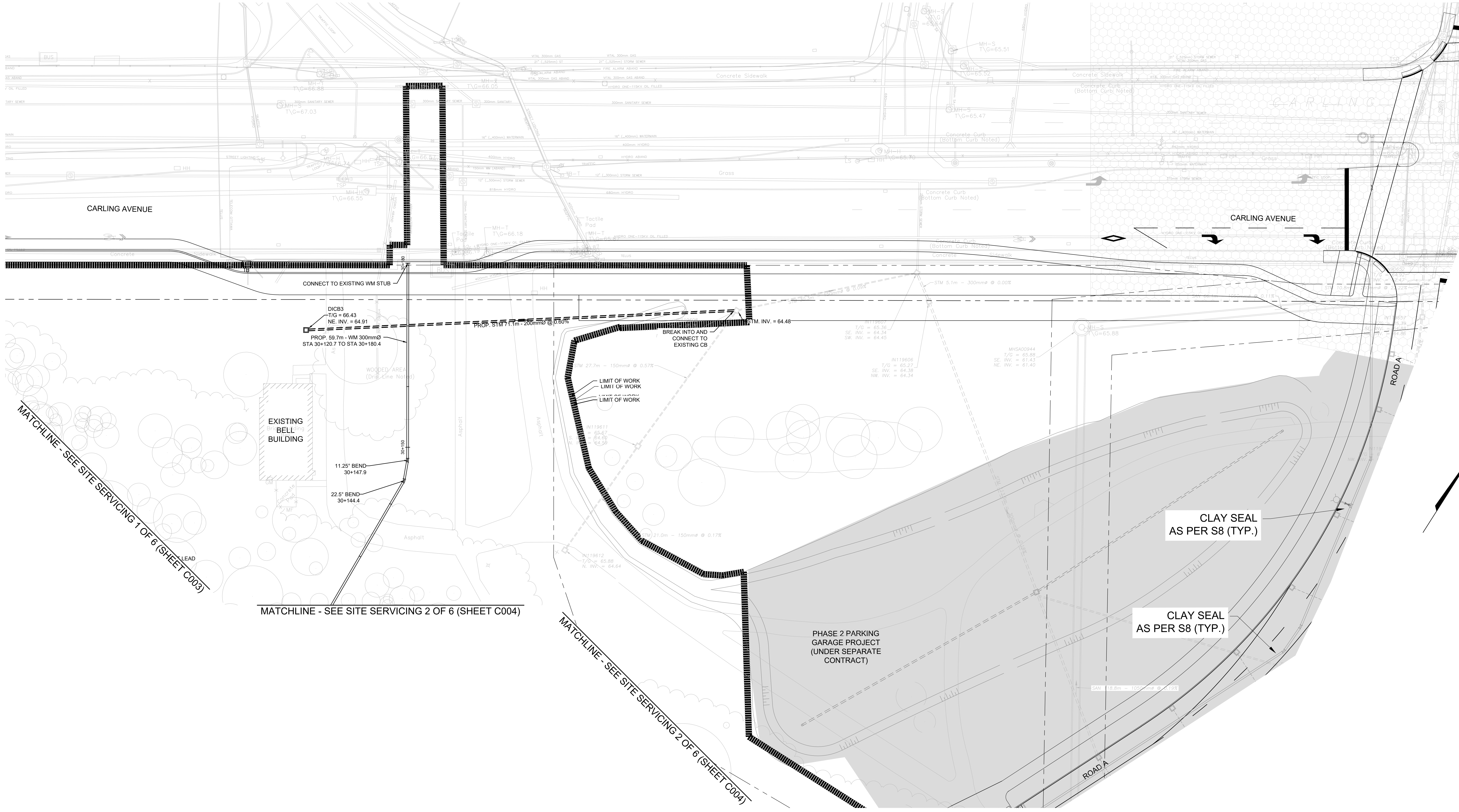
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- JOB BENCHMARK - REFER TO SURVEY BY ADL LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
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- RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
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- CONCRETE THRUST BLOCKS AND RESTRAINTS AS PER CITY OF OTTAWA STANDARD W25.3, W25.4 (TABLE 3), W25.5 AND W25.6.
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- 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.
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- ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.
- REFER TO GRADING SHEETS FOR THE PONDING LIMITS AND VOLUMES.



LEGEND:

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	PHASE 2 PARKING GARAGE PROJECT (UNDER SEPARATE CONTRACT)
[Symbol]	PROPOSED ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RWA PROCESS
[Symbol]	EXISTING CONCRETE CURB
[Symbol]	PROPOSED CONCRETE CURB
[Symbol]	PROPOSED REBERSED CURB
[Symbol]	PROPOSED BUILDING OR STRUCTURE
[Symbol]	EXISTING WATERMAIN
[Symbol]	EXISTING VALVE CHAMBER
[Symbol]	EXISTING VALVE & VALVE BOX
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	PROPOSED WATERMAIN
[Symbol]	PROPOSED VALVE & VALVE BOX
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	EXISTING SANITARY SEWER AND MANHOLE
[Symbol]	PROPOSED SANITARY SEWER AND MANHOLE
[Symbol]	EXISTING STORM SEWER AND MANHOLE
[Symbol]	PROPOSED STORM SEWER AND MANHOLE
[Symbol]	PROPOSED CATCH BASIN AND LANDSCAPE DRAIN
[Symbol]	PROPOSED TRENCH DRAIN
[Symbol]	PROPOSED SUBDRAIN
[Symbol]	PROPOSED PIPE INSULATION
[Symbol]	PROPOSED BACKFLOW VALVE
[Symbol]	PROPOSED REMOTE METER
[Symbol]	PROPOSED WATER METER
[Symbol]	PROPOSED LIGHT STANDARD (BY OTHER)
[Symbol]	PROPOSED BOLLARD (BY OTHER)
[Symbol]	EXISTING TREE AND CRITICAL ROOT ZONE



Project Manager: MB
Project Designer: JEG
Project Architect: JEG
Landscape Architect: J.F. Fahn
Civil Engineer: PARSONS
Structural Engineer: EXP
Mechanical Engineer: Smith + Anderson
Electrical Engineer: Smith + Anderson
Plumbing Engineer: Smith + Anderson
Interior Designer: Collins
Equipment Planner: Collins
Wayfindings: PARSONS

Sheet Reviewer: PARSONS

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE CONSULTATION
02	2022-10-26	DRAFT FOR RFP ID
03	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUDA

Project Number:	10333962
Original Issue:	04/12/22
File Number:	1001-22-22-0168
File:	18891

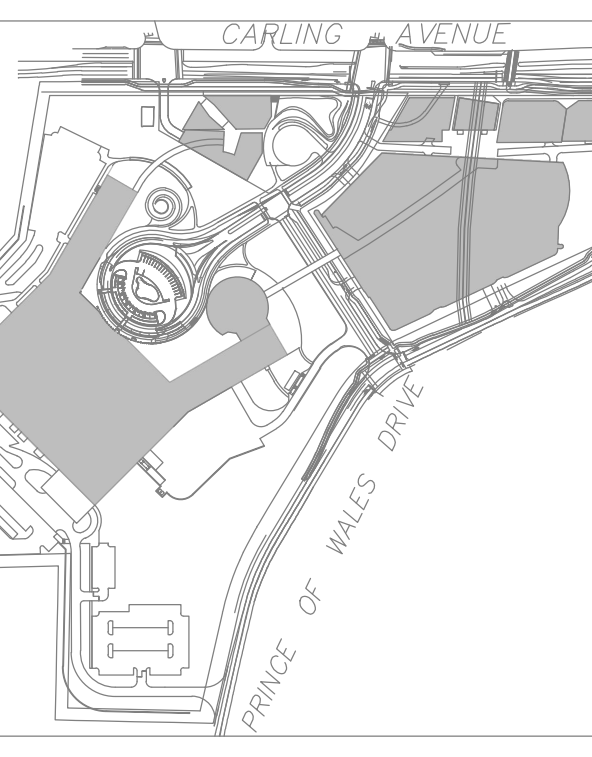
PRELIMINARY
NOT FOR CONSTRUCTION

SITE
SERVICE PLAN
6 OF 6

Sheet Number
C008

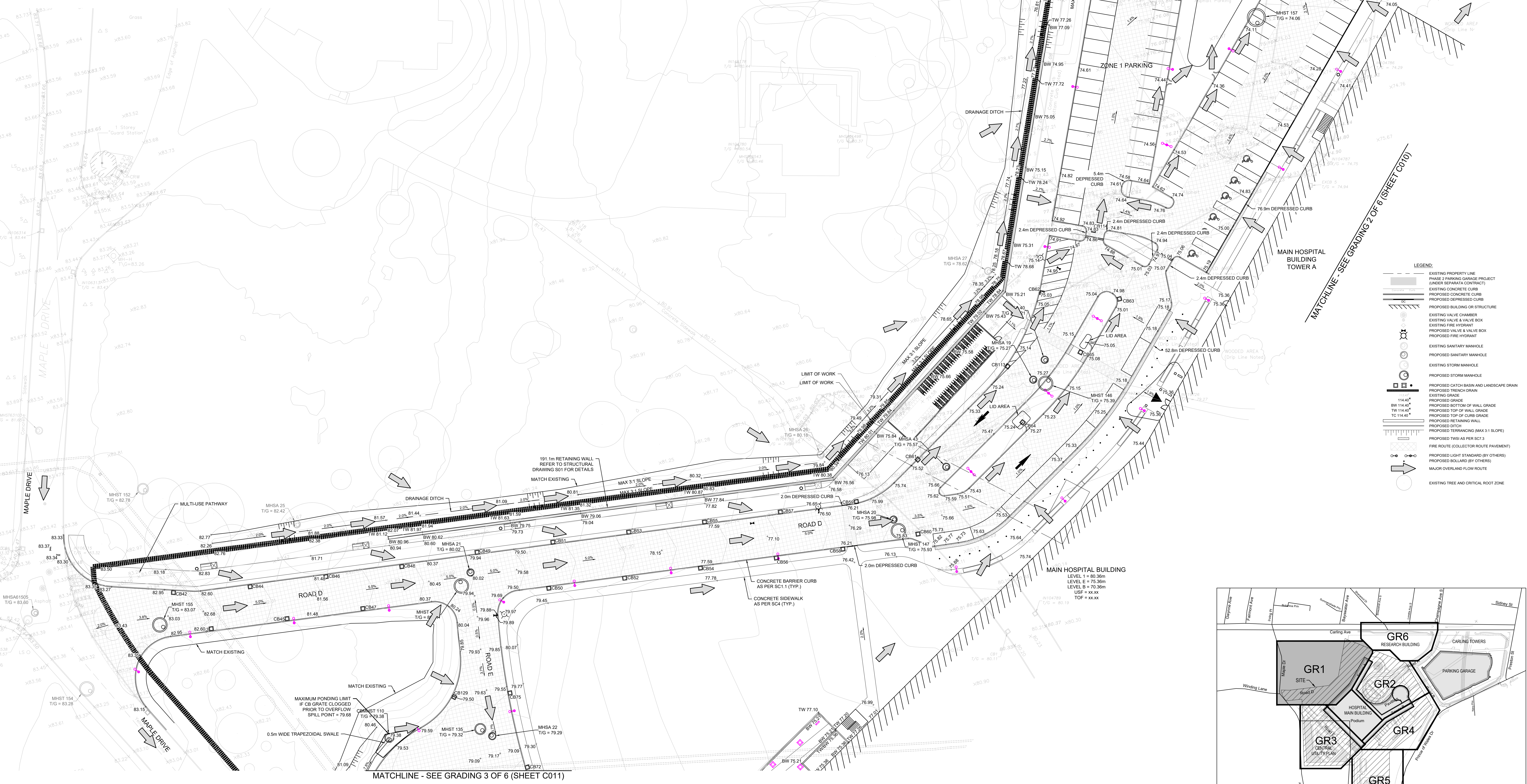
Project Status
STAGE 3

D07-12-22-0168

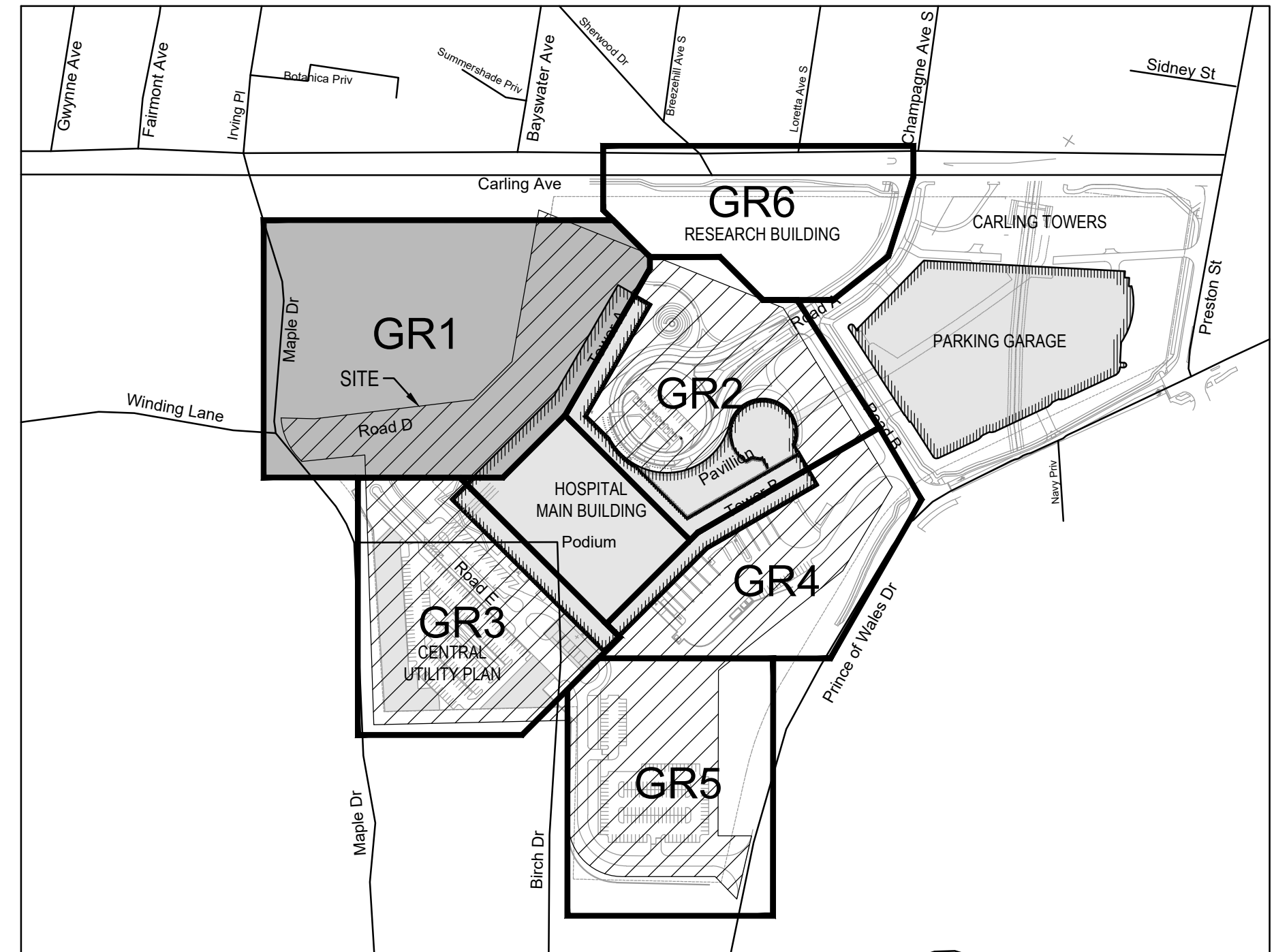


THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

- 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 ADV LID TO CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GRADING 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 RENOVATION SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH DD ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SCL.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 OPS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPS 206, 310 & 314. MATERIALS TO OPS 1001, 1003 & 1010.
 - ADJUSTING 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 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-BASIN.
 - 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 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
 - PHASE 2 PARKING GARAGE PROJECT (UNDER SEPARATE CONTRACT)
 - EXISTING CONCRETE CURB
 - PROPOSED CONCRETE CURB
 - EXISTING DEPRESSED CURB
 - PROPOSED DEPRESSED 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 GRADE
 - BW 14.40"
 - TW 14.40"
 - TG 14.40"
 - PROPOSED TOP OF CURB GRADE
 - PROPOSED RETAINING WALL
 - PROPOSED DITCH
 - PROPOSED TERRACING (MAX 3:1 SLOPE)
 - PROPOSED TWS AS PER SCL.3
 - FIRE ROUTE (COLLECTOR ROUTE PAVEMENT)
 - PROPOSED LIGHT BRANDED (BY OTHERS)
 - PROPOSED BOLLARDS (BY OTHERS)
 - MAJOR OVERLAND FLOW ROUTE
 - EXISTING TREE AND CRITICAL ROOT ZONE



RECOMMENDED PAVEMENT STRUCTURE - PARKING AREAS	MATERIAL DESCRIPTION
60	SUPERPAVE 12mm SURFACE COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - LOCAL ROUTES	MATERIAL DESCRIPTION
40	SUPERPAVE 12mm SURFACE COURSE
30	SUPERPAVE 10mm SURFACE COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - COLLECTOR ROUTES	MATERIAL DESCRIPTION
60	SUPERPAVE 12mm F1 SURFACE COURSE
70	SUPERPAVE 10mm SURFACE COURSE
100	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

RECOMMENDED PAVEMENT STRUCTURE - ROAD PAVEMENT	MATERIAL DESCRIPTION
200	PORTLAND CEMENT CONCRETE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE

Project Manager	MI
Project Designer	JEG
Project Architect	JEF
Landscape Architect	JF Fairs
Civil Engineer	PARSONS
Structural Engineer	ENR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Windfinders	Collins

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR IFC
03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 341.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUIDA

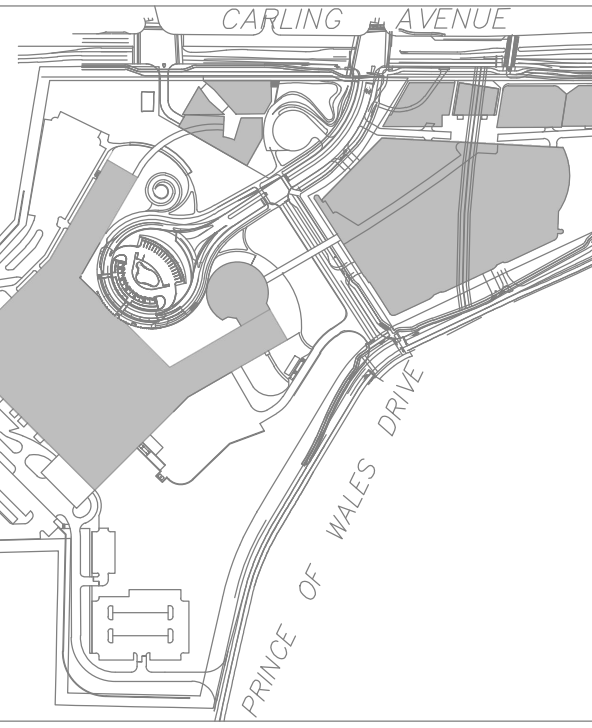
Project Number	1033962
Original Issue	04/12/22
File Number	201-22-02-0168
Rev	18891

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
GRADING PLAN 1 OF 6

Sheet Number
C009

Project Status
STAGE 3



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NOTES: GRADING

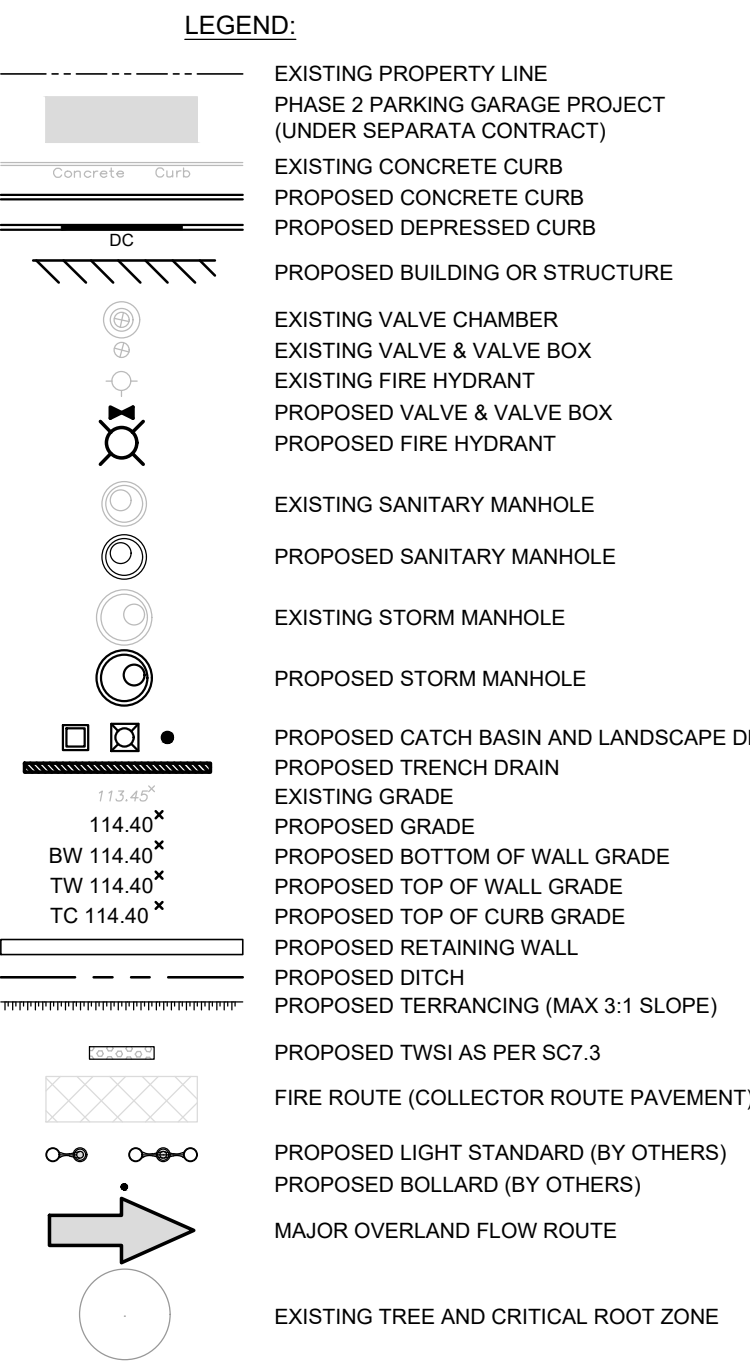
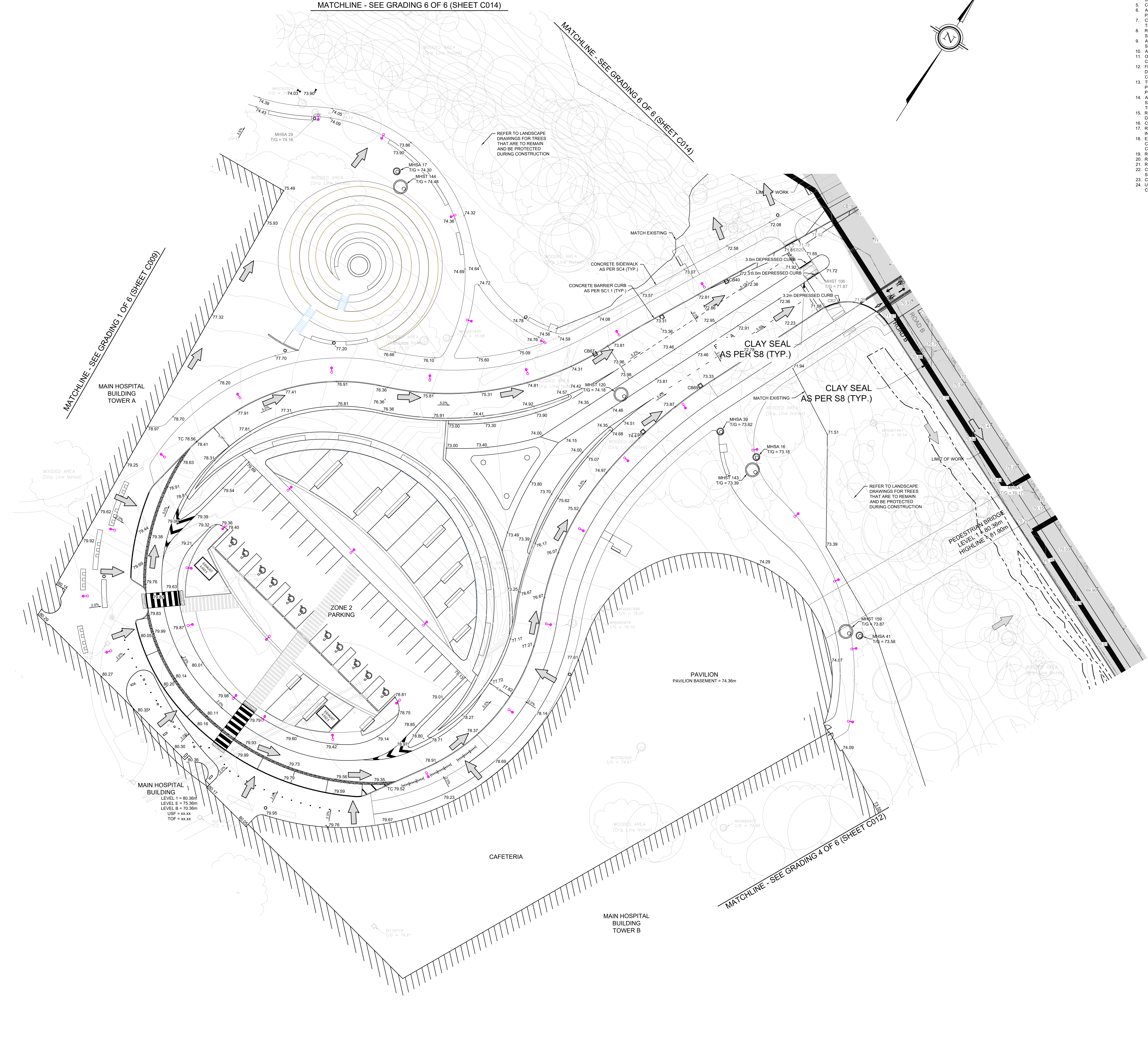
1. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
2. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
3. JOB BENCH MARK - REFER TO SURVEY BY ADV. LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
4. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
5. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
6. 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 02 ON DRAWING C-103.
7. 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.
8. RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE MUNICIPAL AUTHORITIES.
9. ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSR STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSR 206, 310 & 314. MATERIALS TO OPSR 1001, 1003 & 1010.
10. ABUTTING PROPERTY GRADE TO BE MATCHED.
11. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
12. 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.
13. 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 PERMITS, ETC.
14. 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.
15. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
16. CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
17. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTIONS REQUIREMENTS.
18. 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 PERMITS, ETC.
19. REFER TO STRUCTURAL DRAWINGS FOR SITE RETAINING WALLS.
20. REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
21. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
22. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
23. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
24. UNLESS THE REVISION TITLE IS ISSUED FOR CONSTRUCTION, THIS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

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)

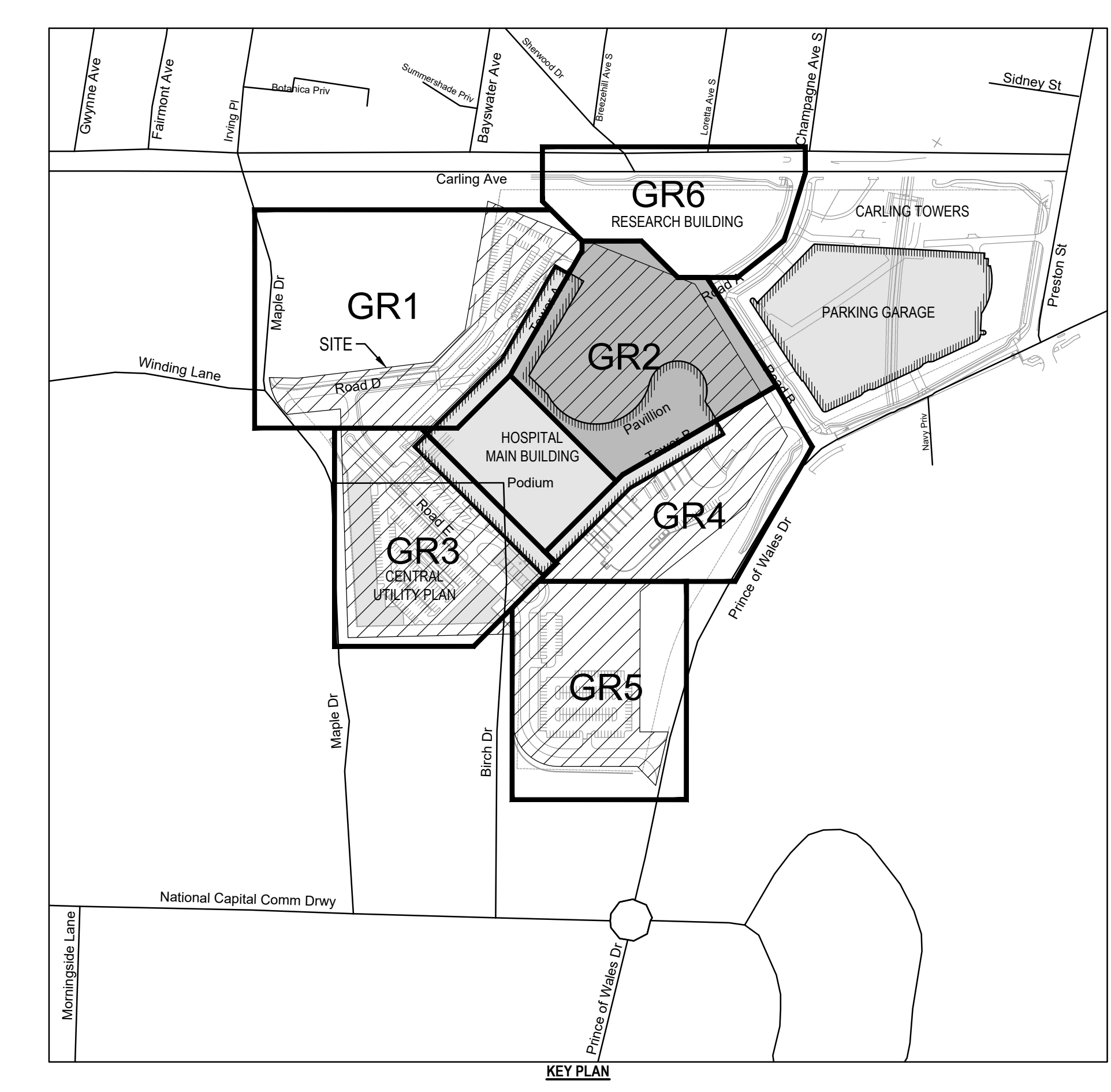
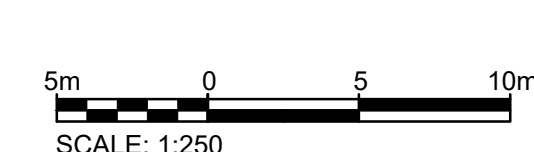


THICKNESS(mm)	MATERIAL DESCRIPTION
90	SUPERPAVE 12.0mm SURFACE COURSE
150	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE

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

THICKNESS(mm)	MATERIAL DESCRIPTION
90	SUPERPAVE 12.0mm SURFACE COURSE
150	SUPERPAVE 19.0mm BINDER COURSE
400	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE

THICKNESS(mm)	MATERIAL DESCRIPTION
90	SUPERPAVE 12.0mm SURFACE COURSE
150	SUPERPAVE 19.0mm BINDER COURSE
400	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE II SUBBASE



Project Manager	MS
Project Designer <td>JEG</td>	JEG
Project Architect <td>JEF</td>	JEF
Landscape Architect <td>JH Fairs</td>	JH Fairs
Civil Engineer <td>PARSONS</td>	PARSONS
Structural Engineer <td>EXP</td>	EXP
Mechanical Engineer <td>Smith + Anderson</td>	Smith + Anderson
Electrical Engineer <td>Smith + Anderson</td>	Smith + Anderson
Plumbing Engineer <td>Smith + Anderson</td>	Smith + Anderson
Interior Designer <td>Collins</td>	Collins
Equipment Planner <td>Winfield</td>	Winfield
Windfields <td>PARSONS</td>	PARSONS

MARK	DATE	DESCRIPTION
01	2022-08-23	ISSUED FOR PRE-CONSULTATION
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03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1-2
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06	2023-04-12	RE-ISSUED FOR SPC & FLUIDA

Project Number	10333962
Original Issue	04/12/22
File Number	2021-02-22-0168
Rev	10001

Sheet Name
GRADING PLAN 2 OF 5

Sheet Number
C010

Project Status
STAGE 3

PRELIMINARY
NOT FOR CONSTRUCTION

D07-12-22-0168

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

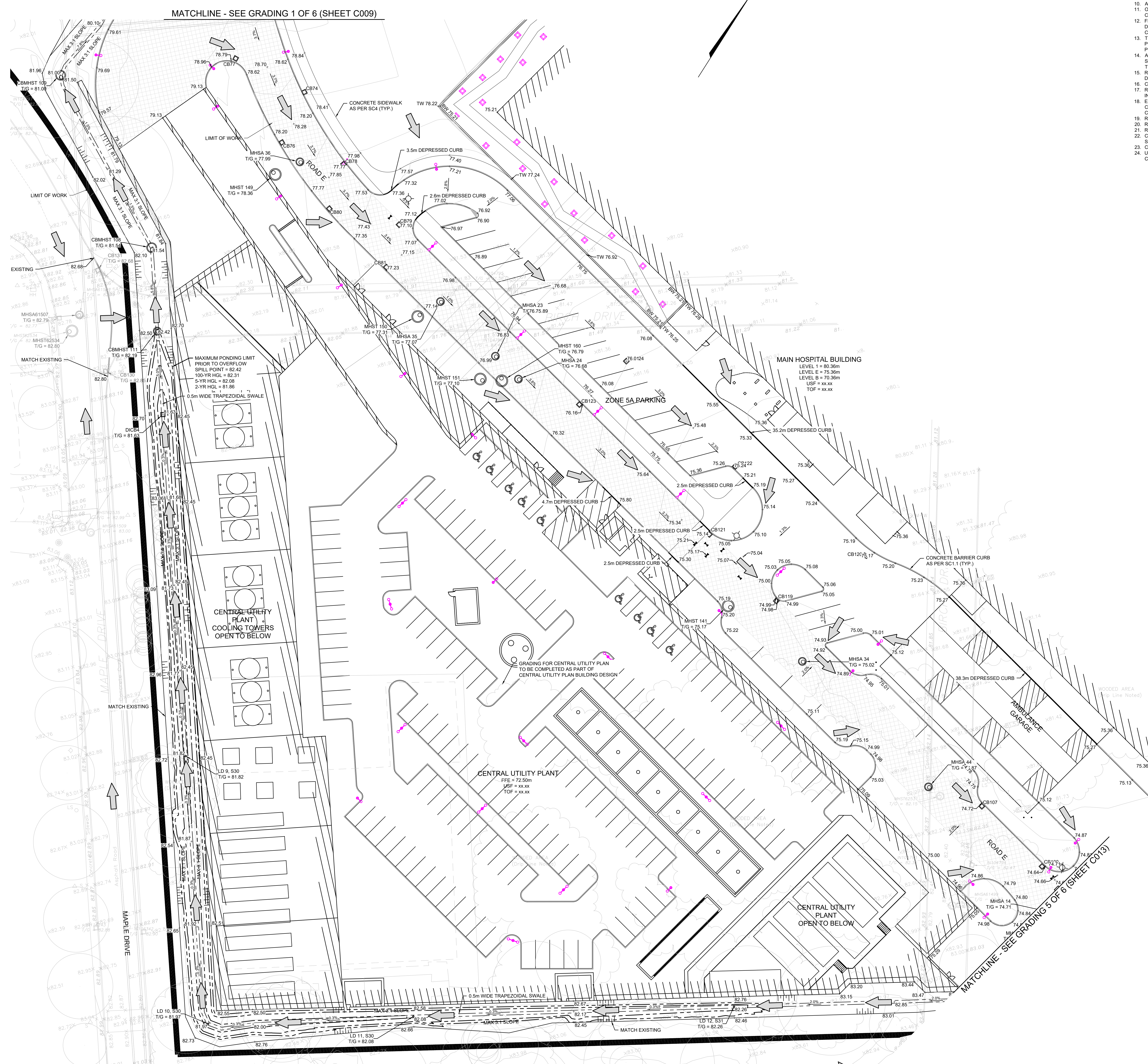
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THICKNESS(mm)	MATERIAL DESCRIPTION
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THICKNESS(mm)	MATERIAL DESCRIPTION
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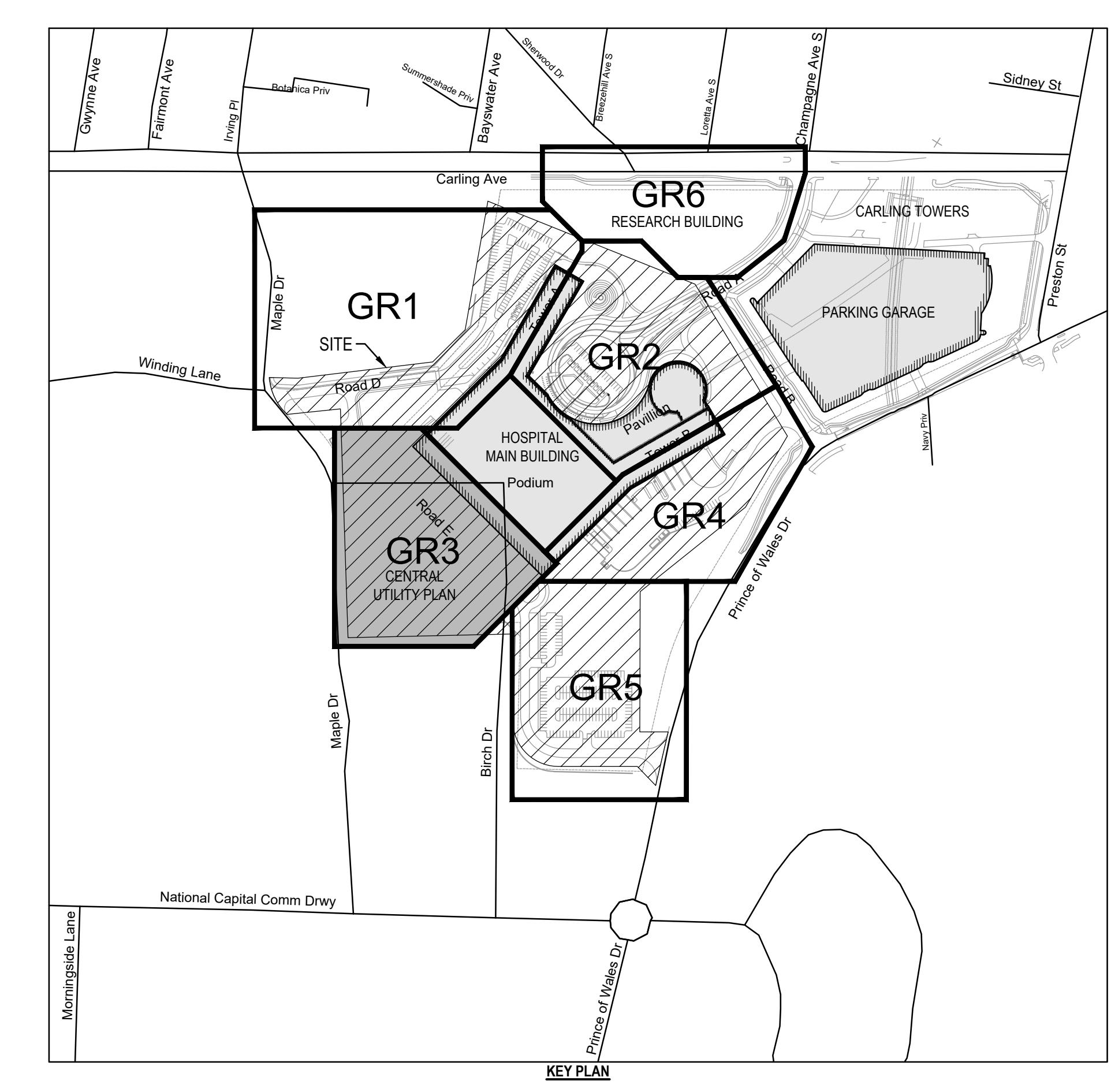
NOTES: GRADING

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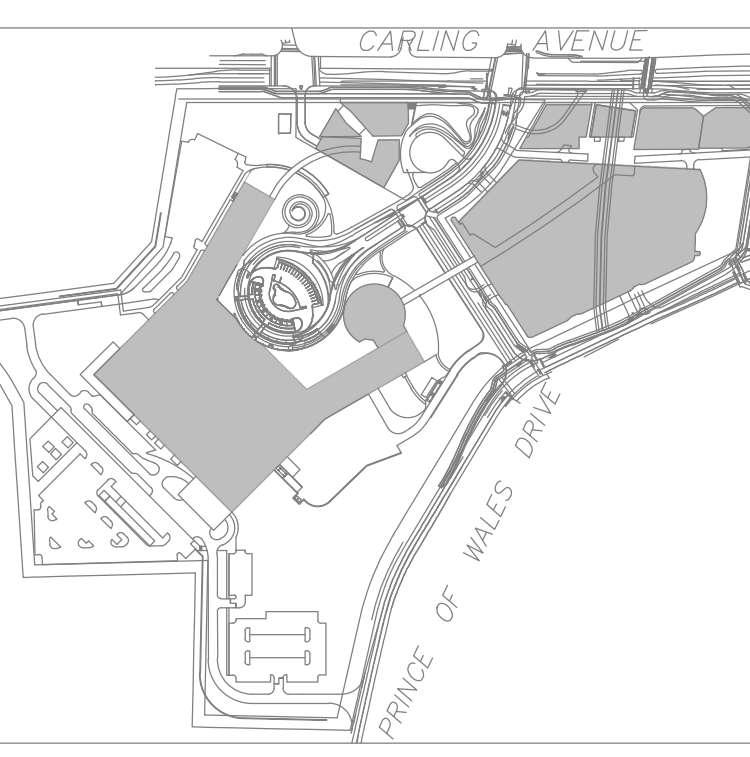


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[Symbol]	PROPOSED CONCRETE CURB
[Symbol]	PROPOSED DEPRESSION CURB
[Symbol]	PROPOSED BUILDING OR STRUCTURE
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[Symbol]	EXISTING SANITARY MANHOLE
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[Symbol]	FIRE ROUTE (COLLECTOR ROUTE PAVEMENT)
[Symbol]	PROPOSED LIGHT BRANDED (BY OTHERS)
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[Symbol]	MAJOR OVERLAND FLOW ROUTE
[Symbol]	EXISTING TREE AND CRITICAL ROOT ZONE



HDR Architecture Associates Inc.
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 0A6



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT



Project Manager	MR
Project Designer	JEG
Landscape Architect	JF Fairs
Civil Engineer	PARSONS
Structural Engineer	ENP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
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Equipment Planner	
Wayfinders	

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06	2023-04-12	RE-ISSUED FOR SPEC & FLUIDA

Project Number: 1033962
Original Issue: 04/21/22
File Number: 200-22-20168
Rev: 16991

PRELIMINARY
NOT FOR CONSTRUCTION

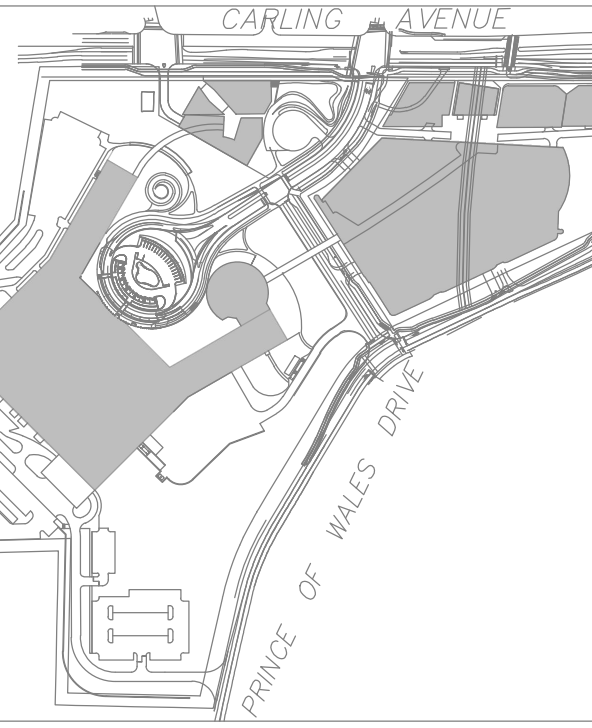
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Sheet Number: **C011**

Project Status: **STAGE 3**

D07-12-22-0168

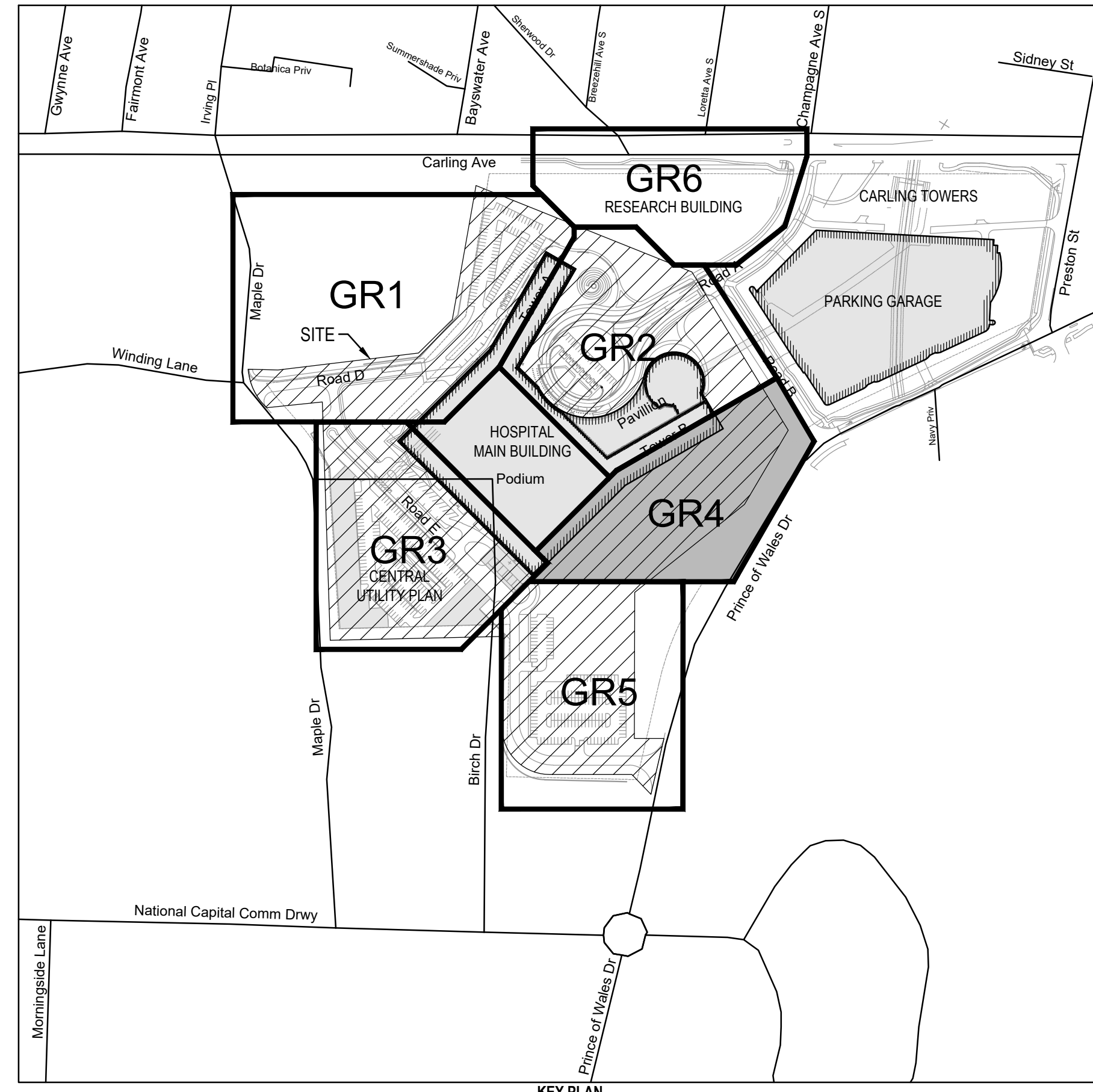
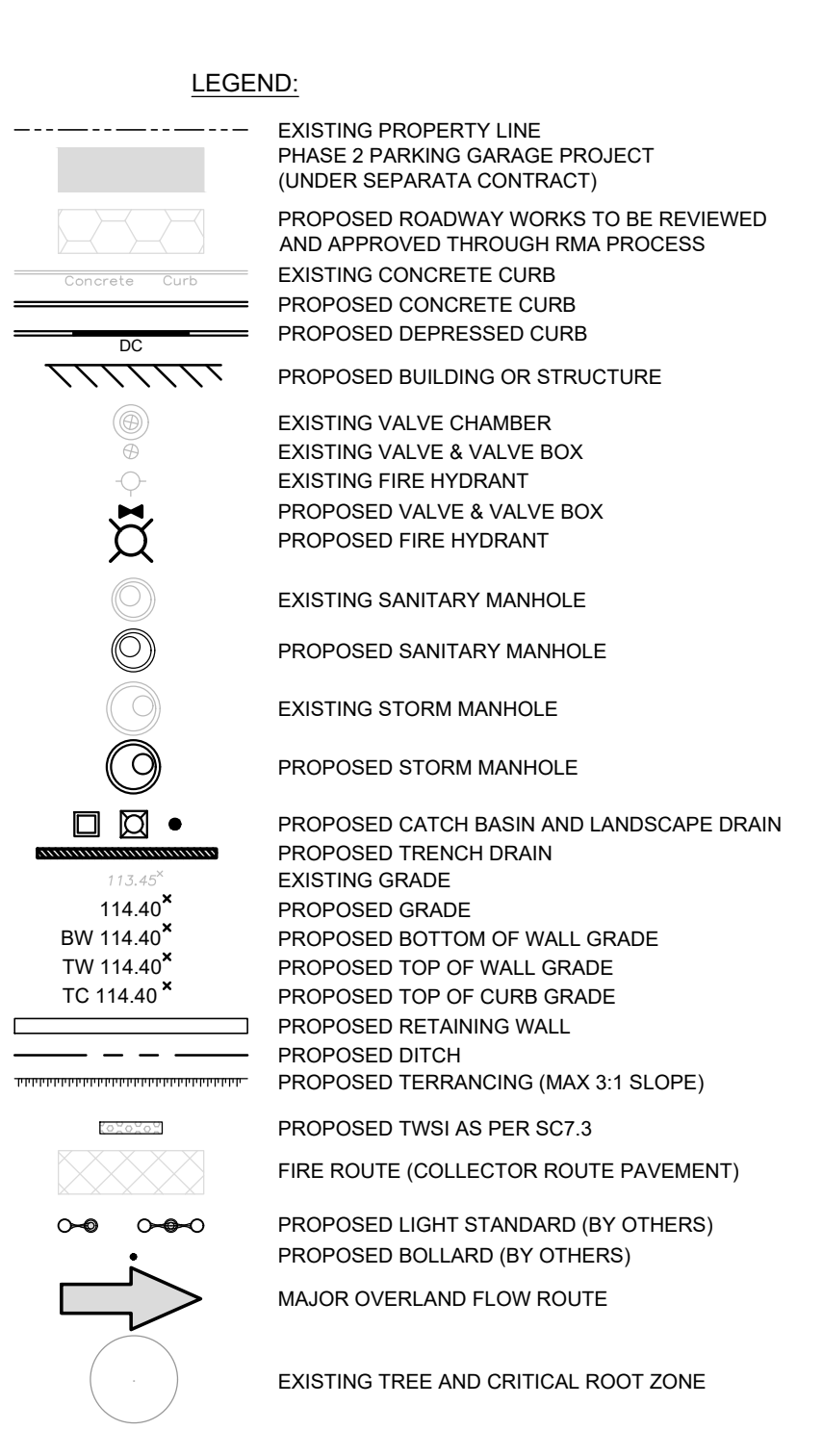
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THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NOTES GRADING

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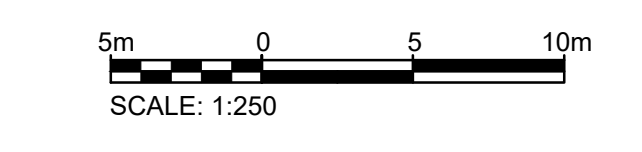


THICKNESS(mm)	MATERIAL DESCRIPTION
50	SUPERPAVE 12.5mm SURFACE COURSE
100	SUPERPAVE 19.5mm BINDER COURSE
400	S.P. F-3147 GRANULAR A BASE

THICKNESS(mm)	MATERIAL DESCRIPTION
40	SUPERPAVE 12.5mm SURFACE COURSE
70	SUPERPAVE 19.5mm BINDER 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
70	SUPERPAVE 19.5mm BINDER 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	S.P. F-3147 GRANULAR A BASE
400	S.P. F-3147 GRANULAR B TYPE 1 SUBBASE



Project Manager	MT
Project Designer	JEG
Project Architect	JEG
Landscape Architect	JFF/Fair
Civil Engineer	PARSONS
Structural Engineer	E37
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	Collins
Writers/Editors	

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE CONSULTATION
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03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
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Project Number	1033380
Original Issue	04/12/22
File Number	201-12-22-0168
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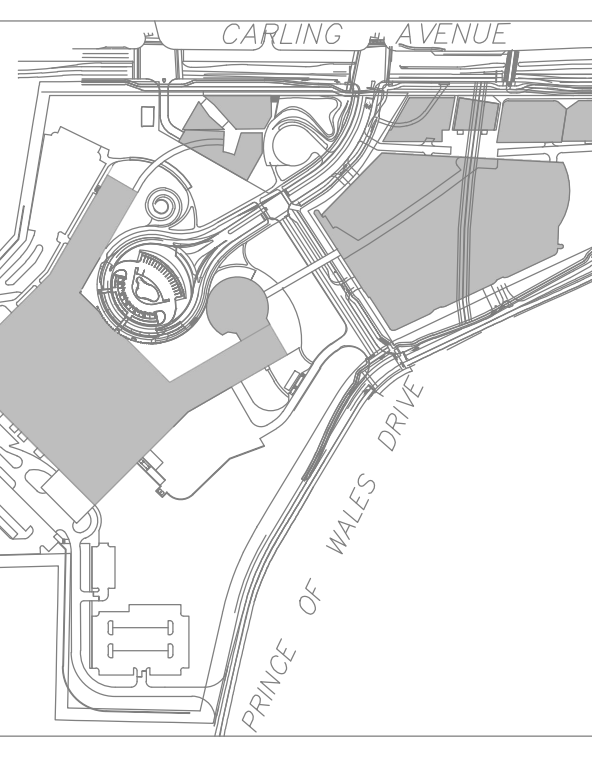
Sheet Name
GRADING PLAN 4 OF 5

Sheet Number
C012

Project Status
STAGE 3

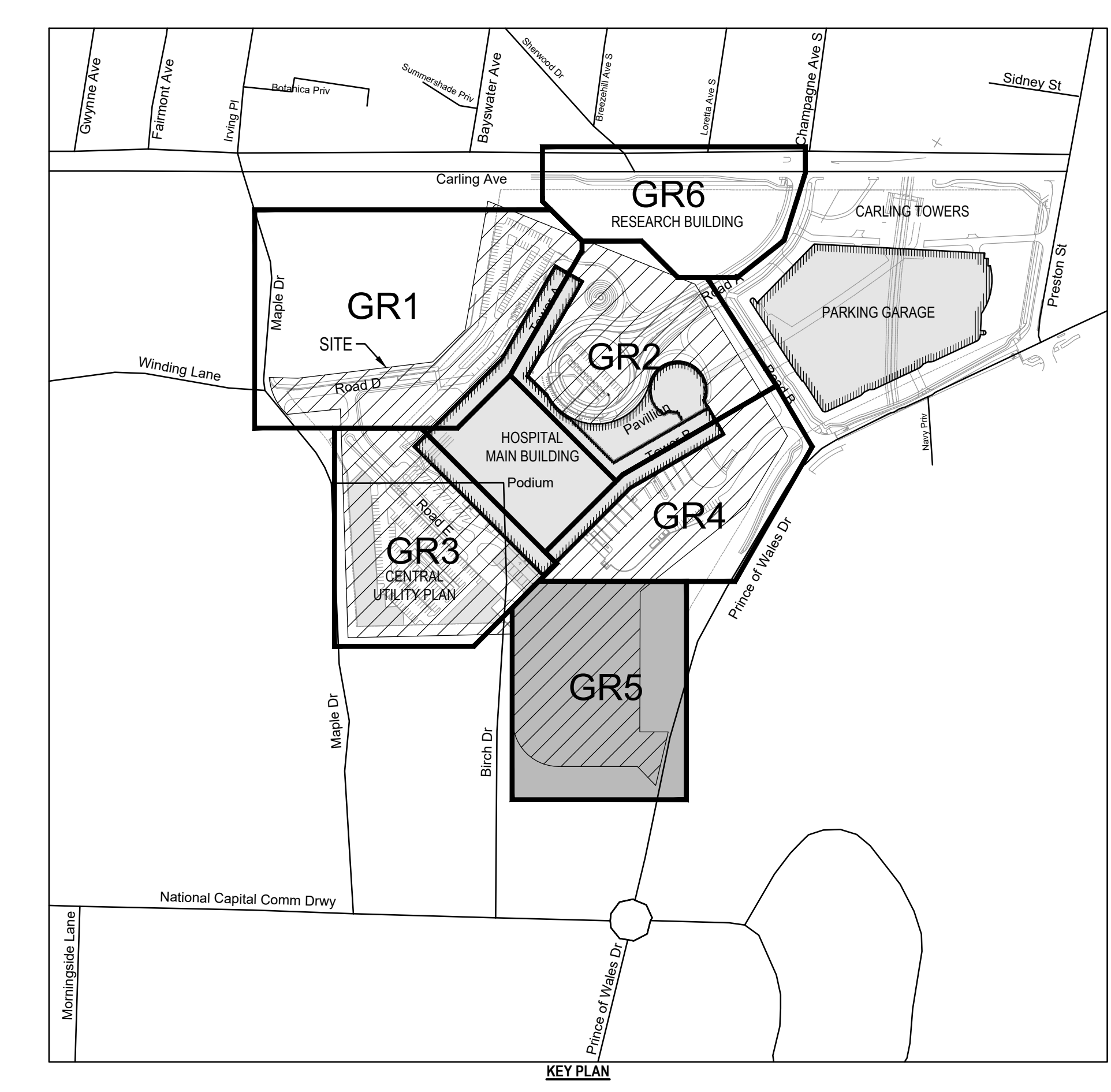
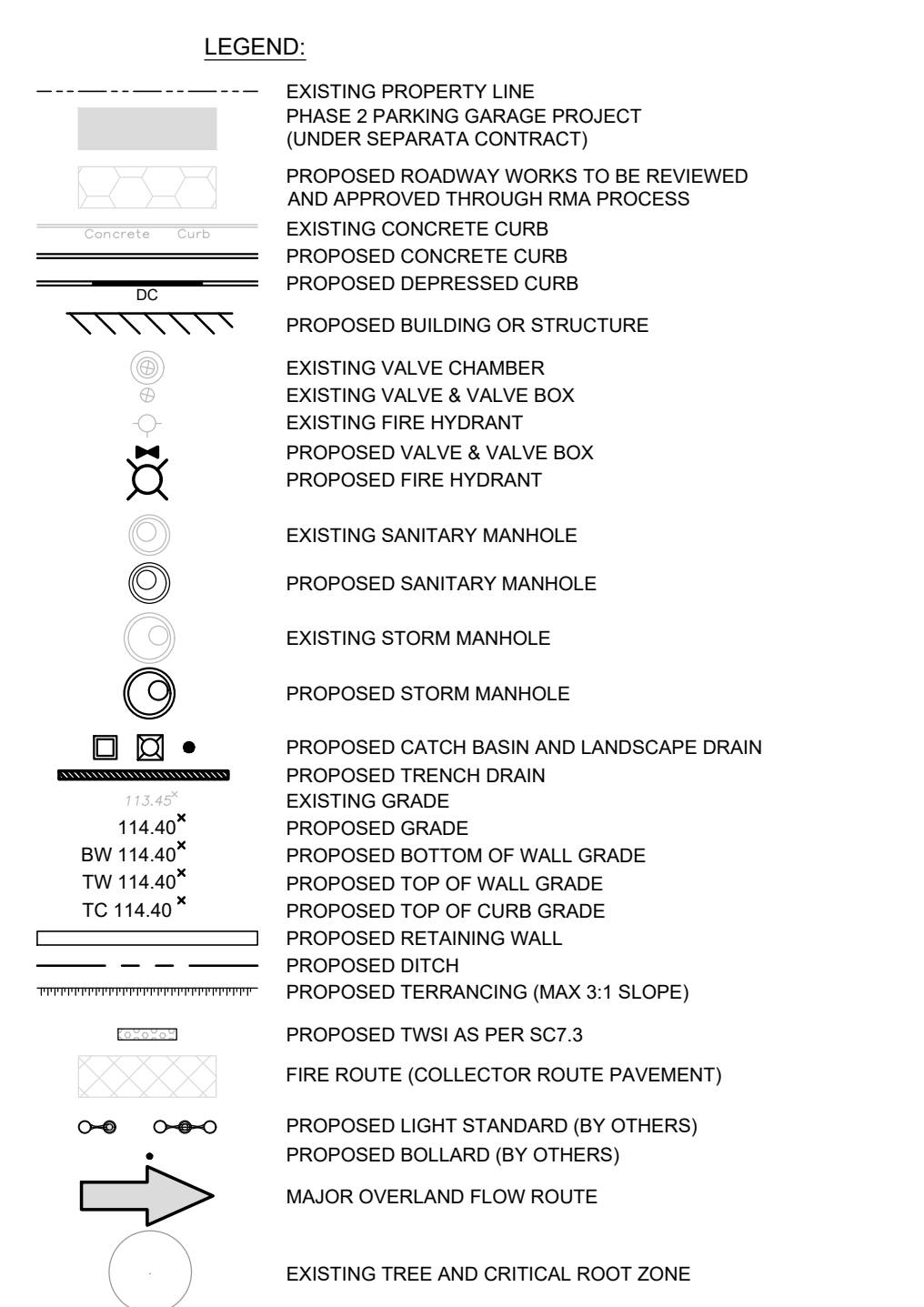
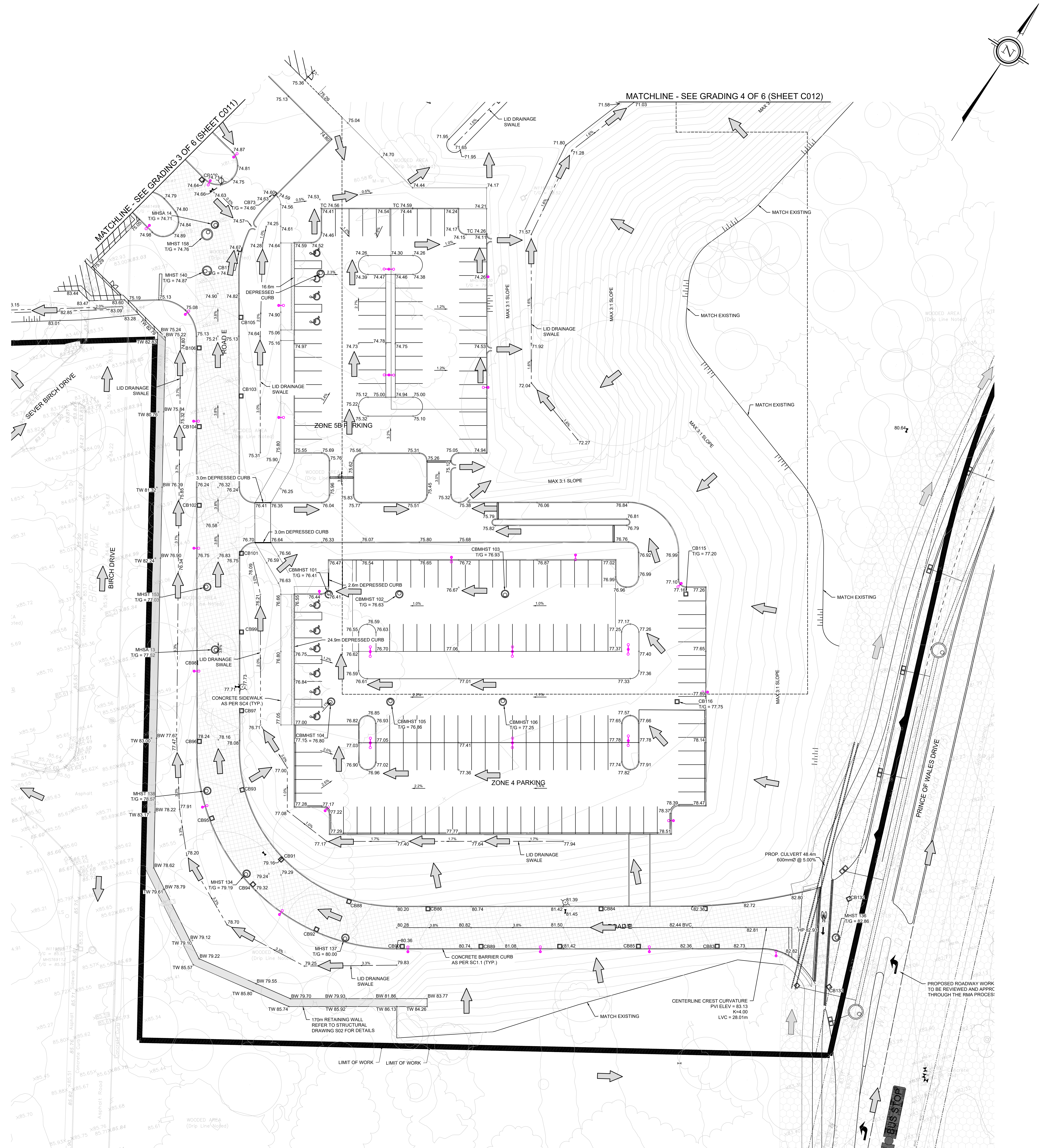
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THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

- 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 ADV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT POORING 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 O2 ON DRAWING C103.
 - CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL S21.1. 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 MATERIAL SUPPLIED AND PLACED FOR PAVING 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.
 - ADJUSTING 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 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 CATCH BASIN.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE 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 BUILDINGS, 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.



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

MARK	DATE	DESCRIPTION
01	2022-08-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RMA ID
03	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 341.2
05	2023-03-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUDA

Project Number	1033982
Original Issue	04/12/22
File Number	201-22-22-0168
Rev	19991

PRELIMINARY
NOT FOR CONSTRUCTION

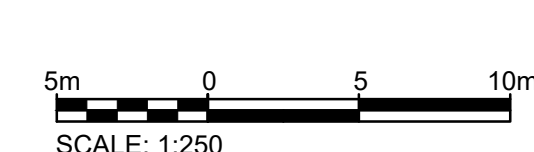
Sheet Name
GRADING PLAN 5 OF 5

Sheet Number
C013

Project Status
STAGE 3

D07-12-22-0168

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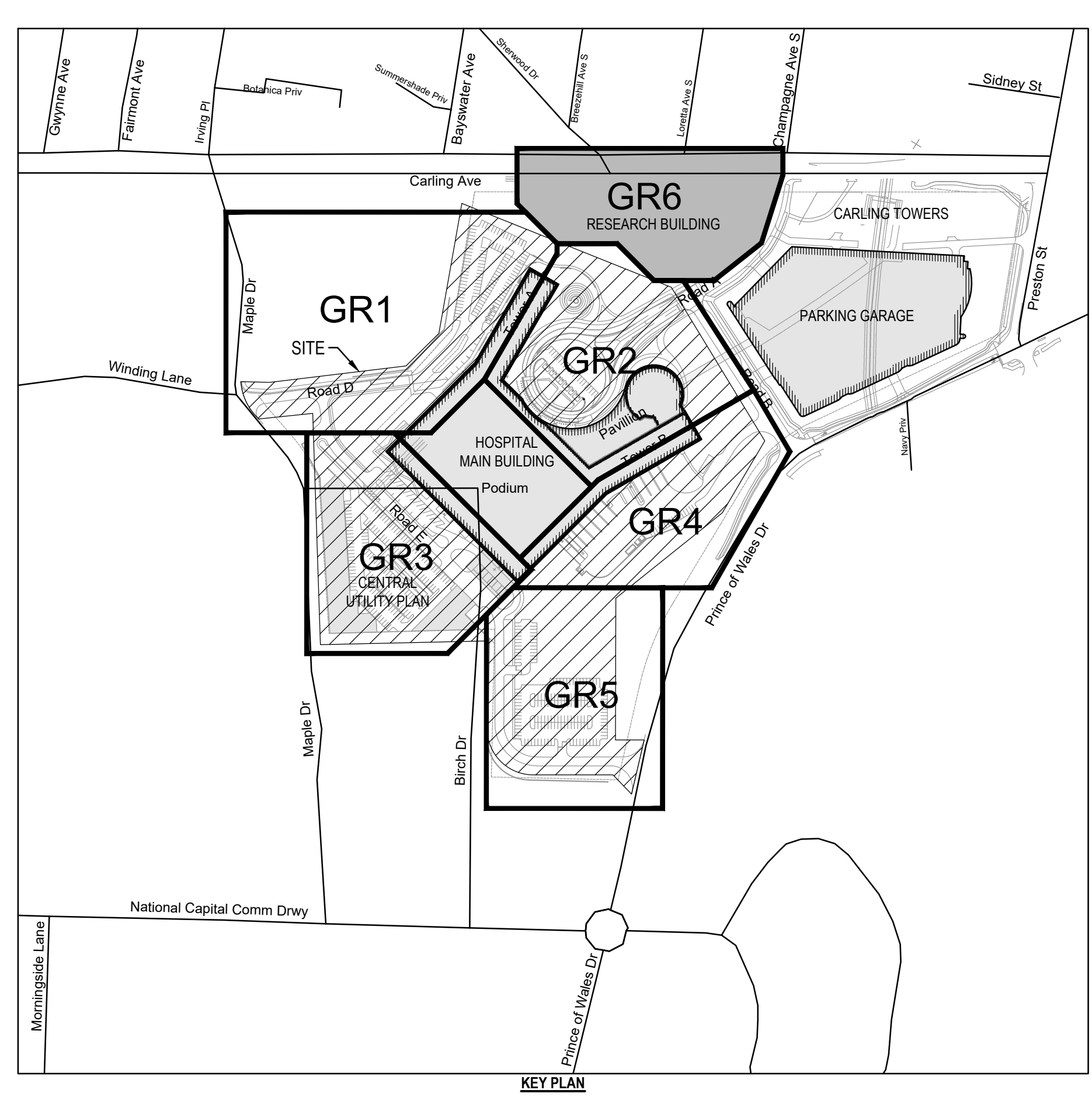
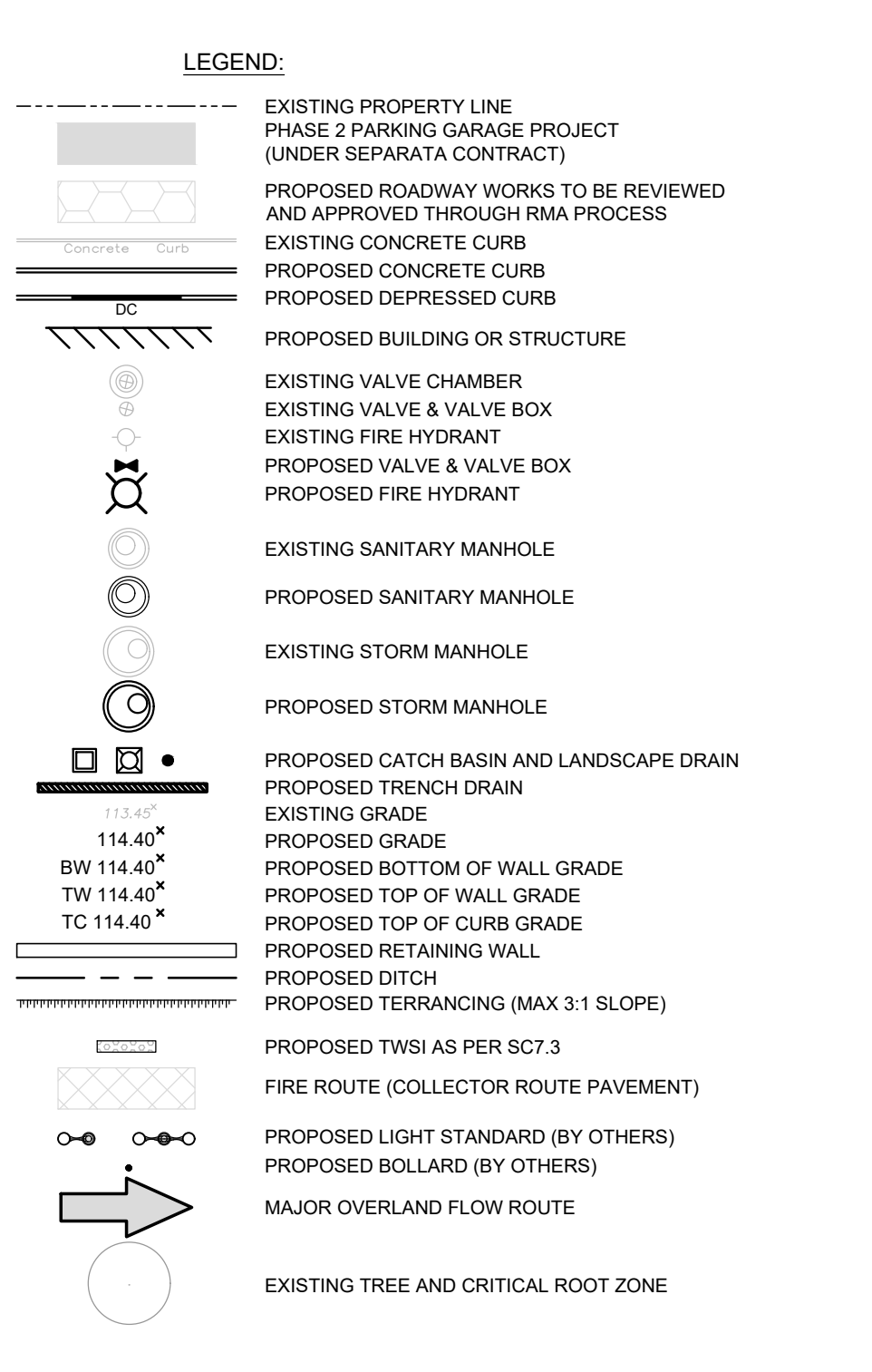
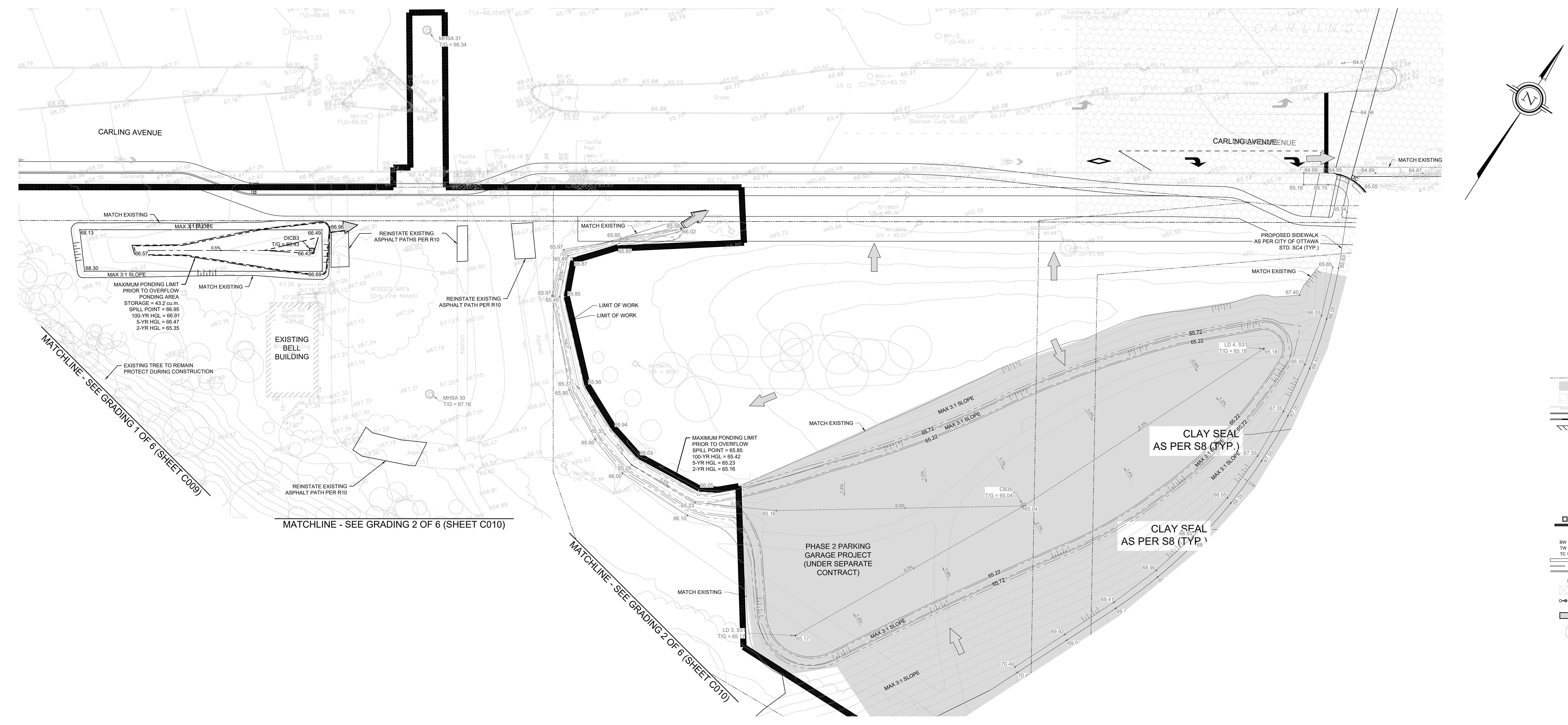




THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL / NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

- NOTES: GRADING
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILITY METERS UNITS.
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 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAFT 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 S02.1. ELEVATIONS AT CURBS INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
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 - ALL MATERIAL SUPPLIED AND PLACED FOR PAVING 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.
 - ADJUTING 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 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.
 - 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 BUILDINGS, LANDSCAPE AND HARD SURFACE AREAS AND DIMENSIONS.
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 - 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.
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 - 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	RECOMMENDED PAVEMENT STRUCTURE - LOCAL ROUTES	RECOMMENDED PAVEMENT STRUCTURE - COLLECTOR ROUTES	RECOMMENDED PAVEMENT STRUCTURE - ROAD PAVEMENT
THICKNESS(MM)	THICKNESS(MM)	THICKNESS(MM)	THICKNESS(MM)
50	50	50	200
100	70	100	150
150	100	150	400
200	400	400	

Project Manager: MS
Project Designer: JEG
Project Architect: JEG
Landscape Architect: M.Fairbairn
Civil Engineer: PARSONS
Structural Engineer: EXI
Mechanical Engineer: Smith + Anderson
Electrical Engineer: Smith + Anderson
Plumbing Engineer: Smith + Anderson
Interior Designer: Collins
Equipment Planner: Collins
Wardlines: PARSONS

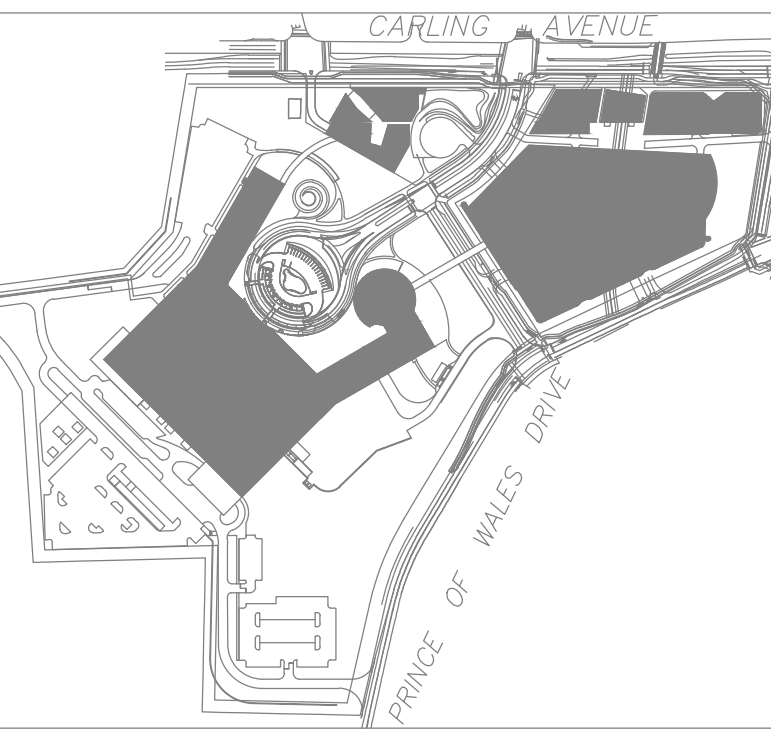
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MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE CONSULTATION
02	2022-10-26	DRAFT FOR RFP I.D
03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1.2
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUIDA

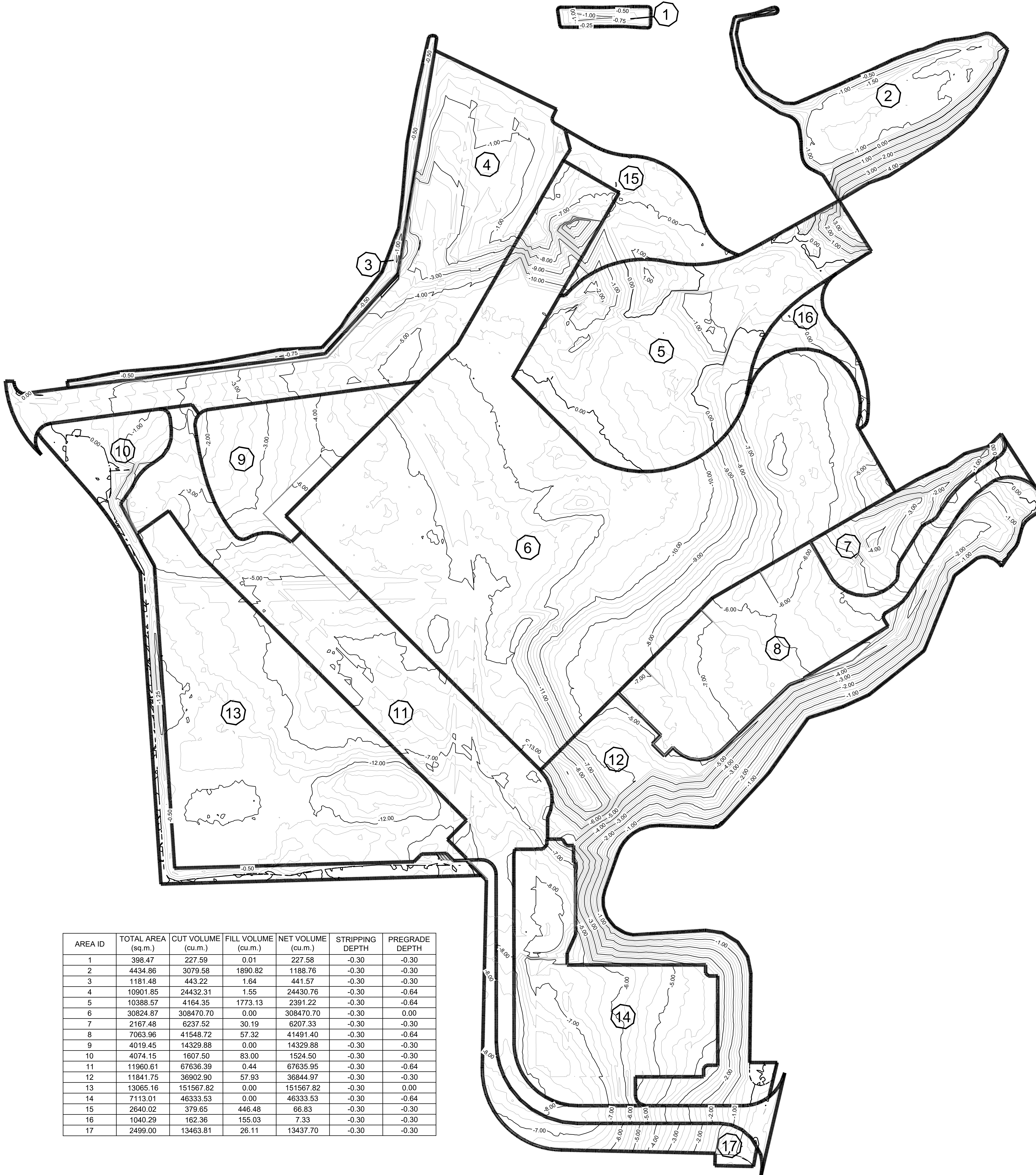
Project Number: 1033986
Original Issue: 04/11/22
File Number: 101-22-22-0168
Rev: 1001

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name: GRADING PLAN 6 OF 6
Sheet Number: C014
Project Status: STAGE 3



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT



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	MB
Project Designer	JEG
Project Architect	JEG
Landscape Architect	MJ Fairs
Civil Engineer	PARSONS
Structural Engineer	ENV
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	Collins
Equipment Planner	
Wayfinding	

Sheet Reviewer: PARSONS

MARK	DATE	DESCRIPTION
01	2022-08-23	ISSUED FOR PRE-CONSULTATION
02	2022-10-26	DRAFT FOR RFP 3D
03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR 3A1.2
05	2023-03-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUIDA

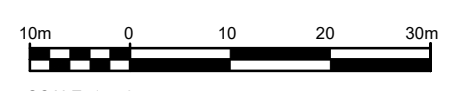
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Original Issue	04/21/22
File Number	200-12-22-0168
File	18991

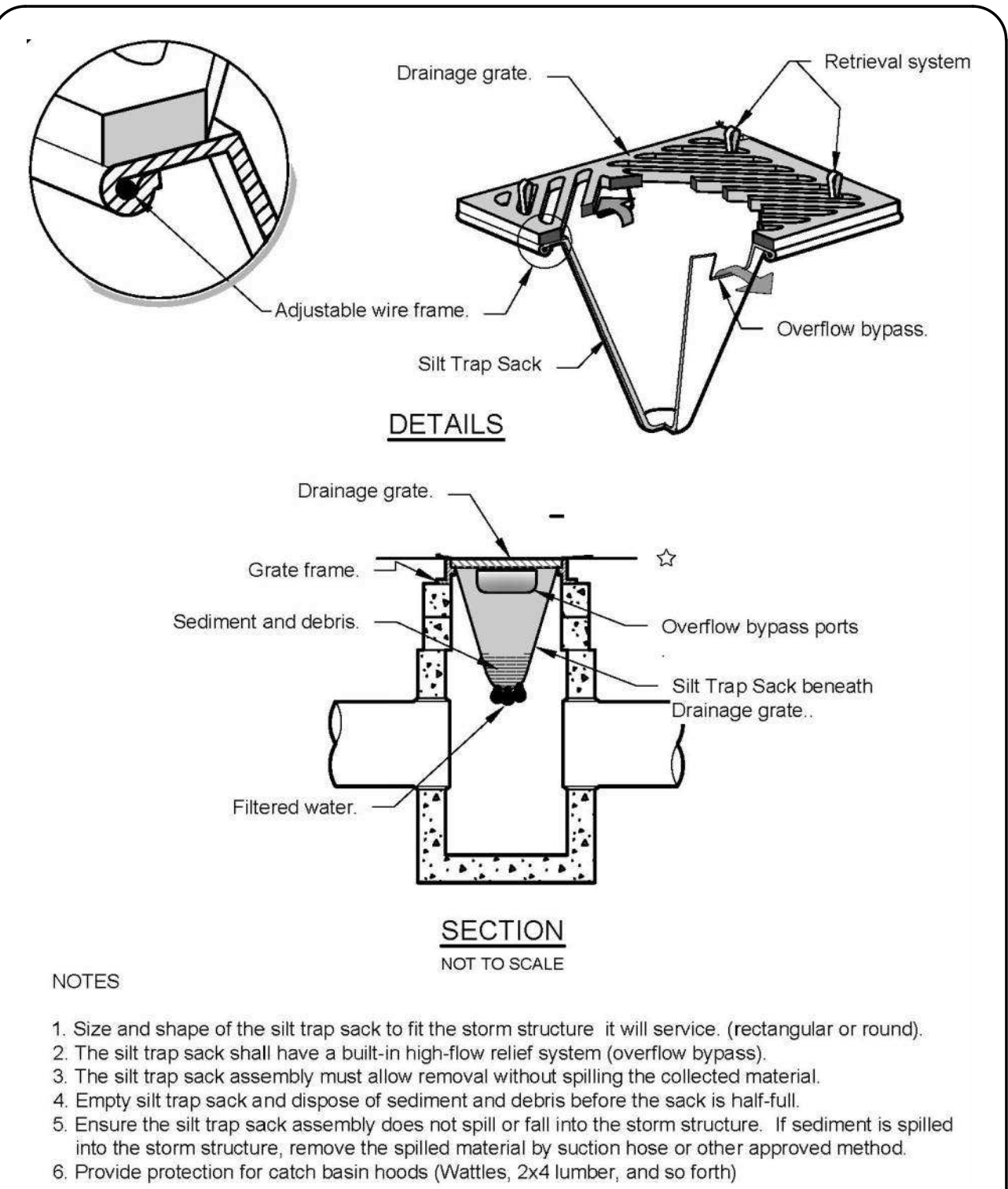
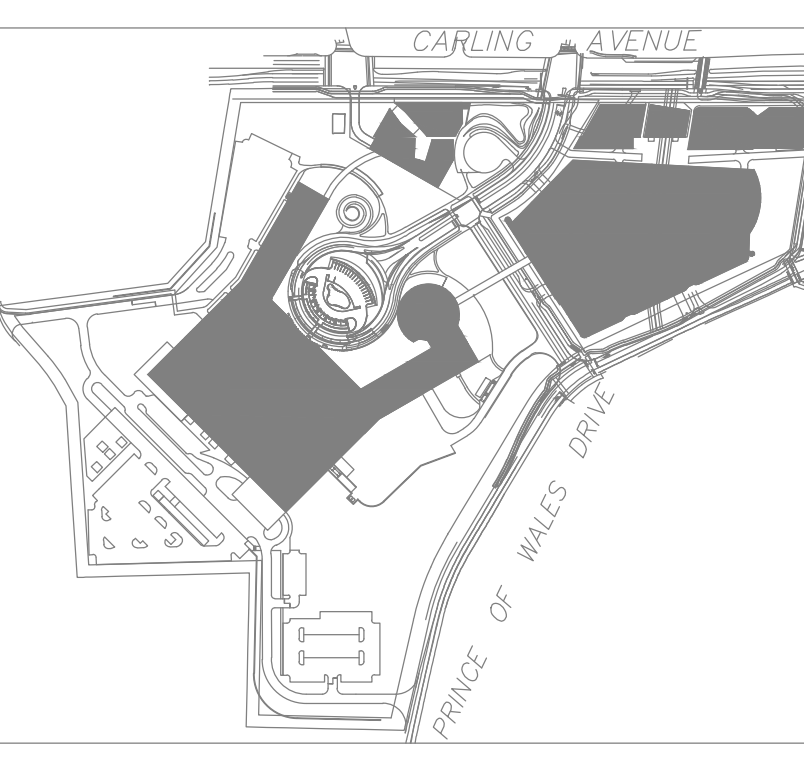
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NOT FOR CONSTRUCTION

CUT-FILL
PLAN

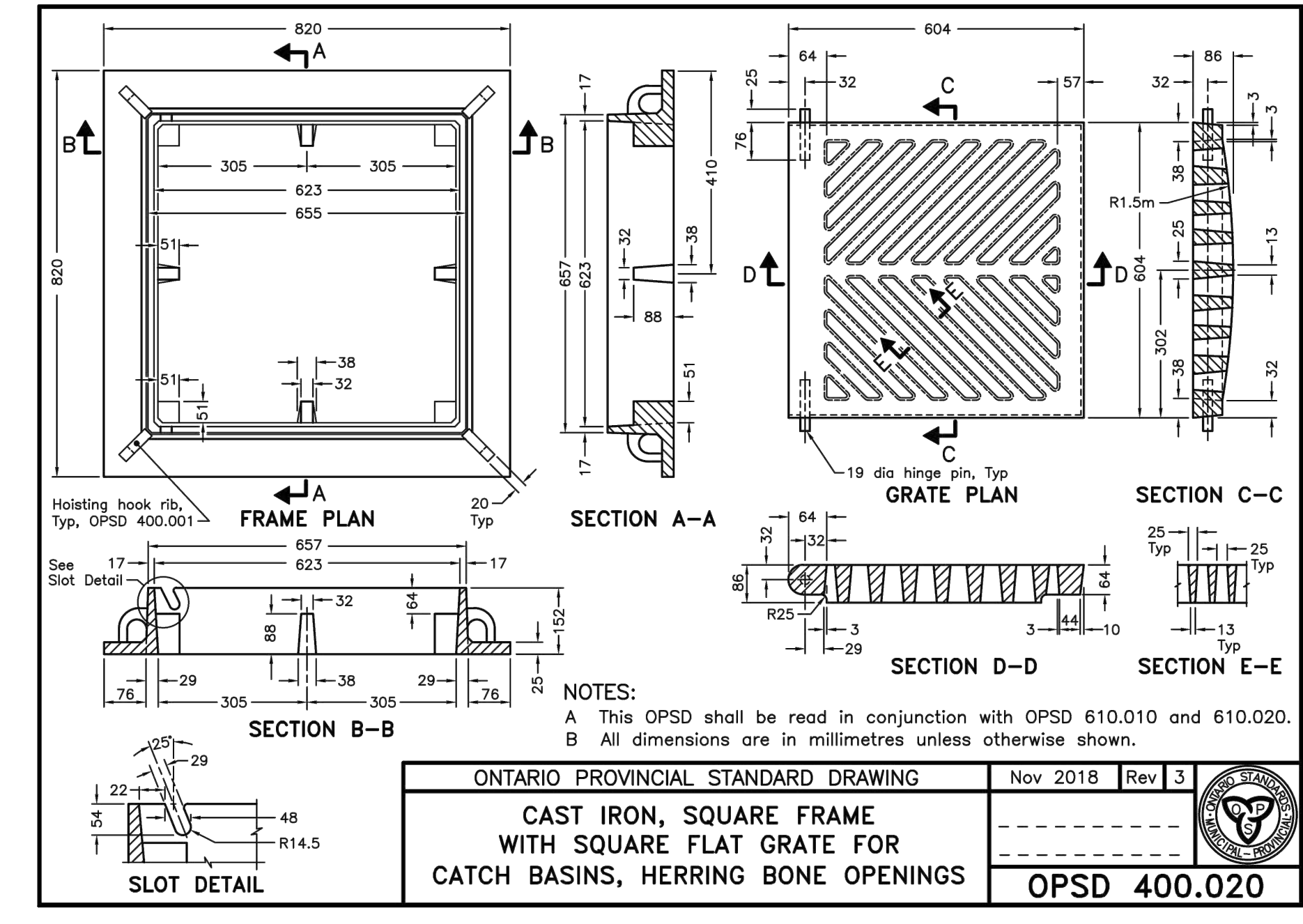
Sheet Number
C015

Project Status
STAGE 3

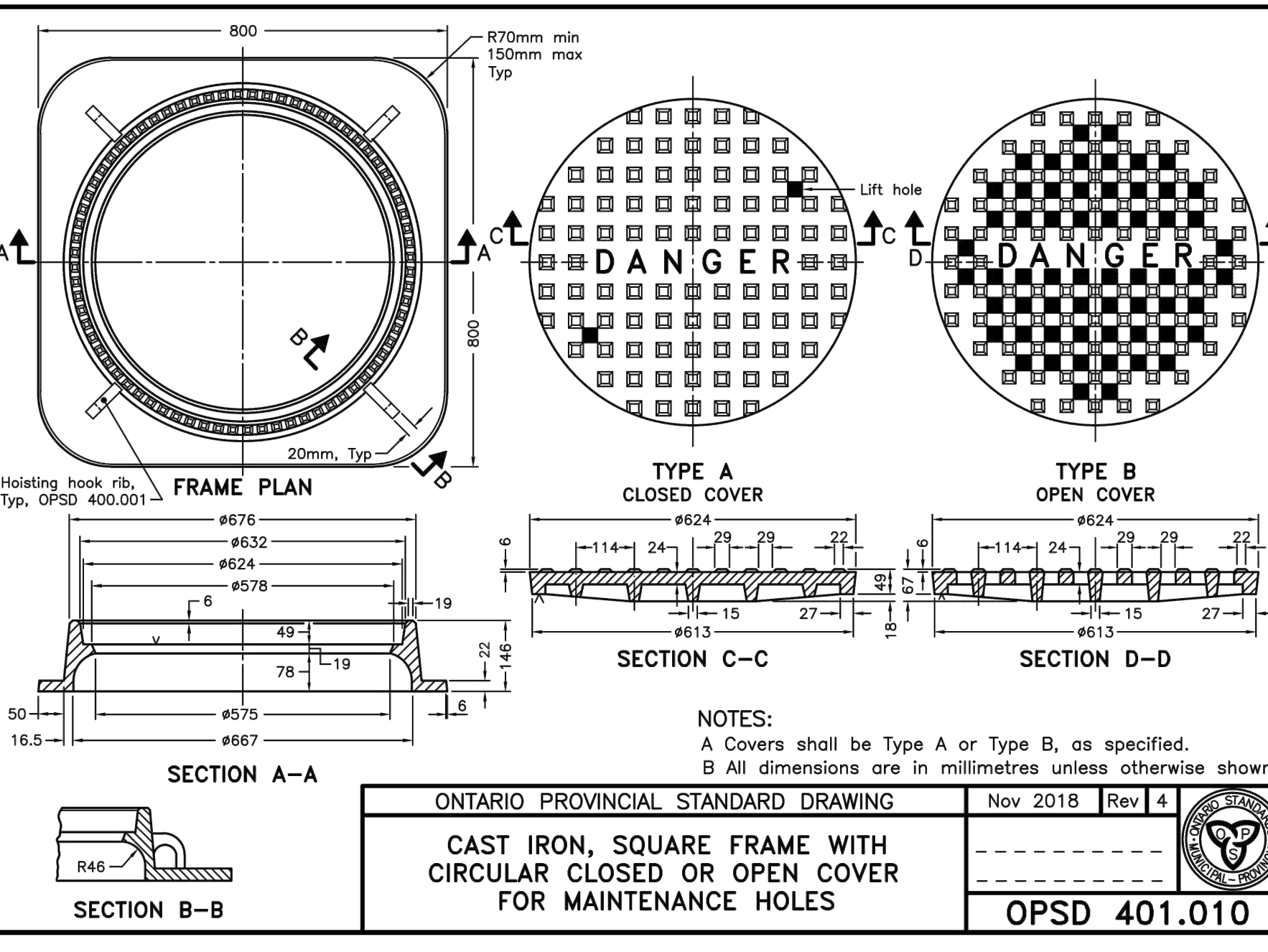




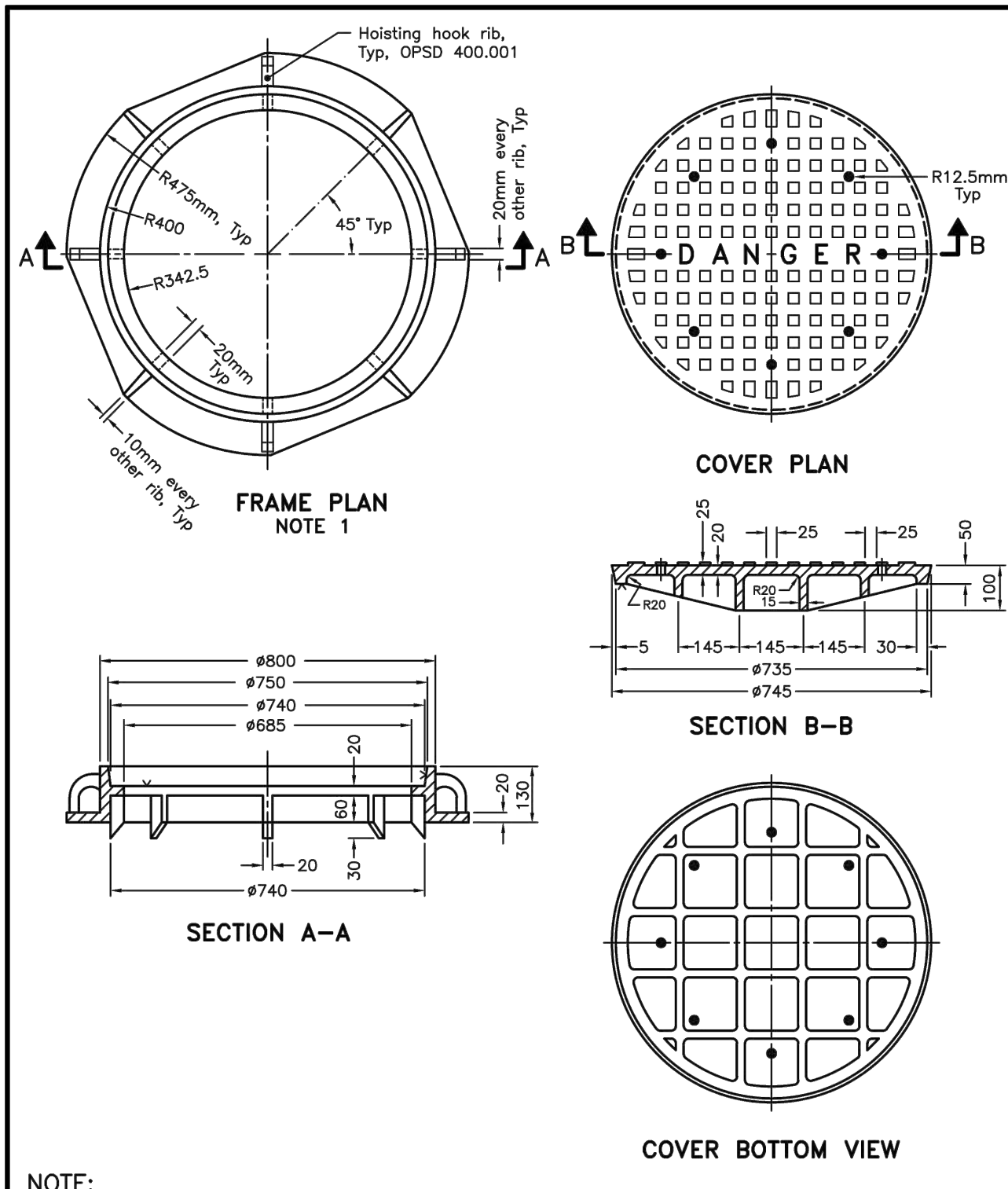
SILT SACK DETAIL
PARSONS D1



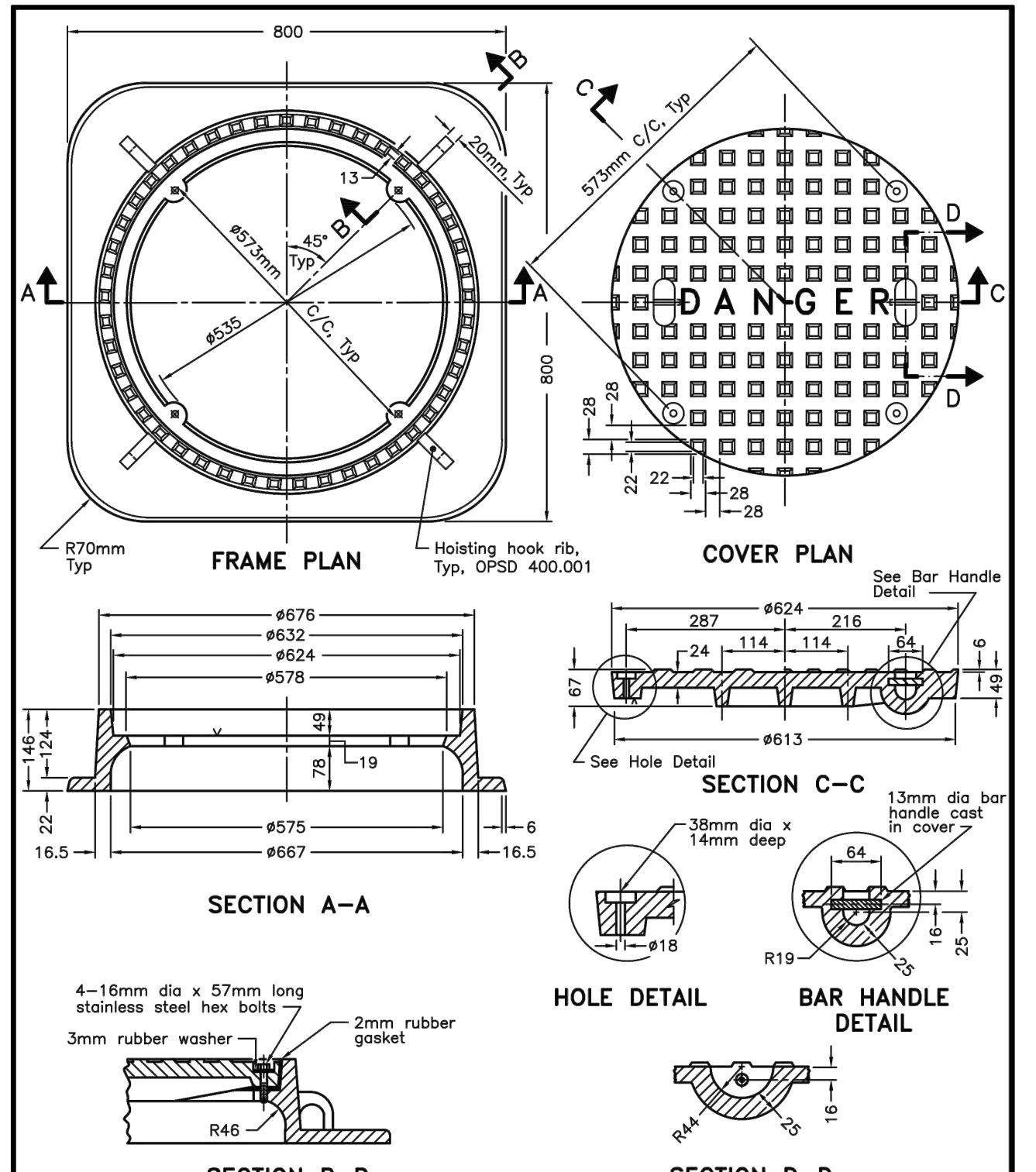
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CAST IRON, SQUARE FRAME WITH SQUARE FLAT GRATE FOR CATCH BASINS, HERRING BONE OPENINGS
OPSD 400.020



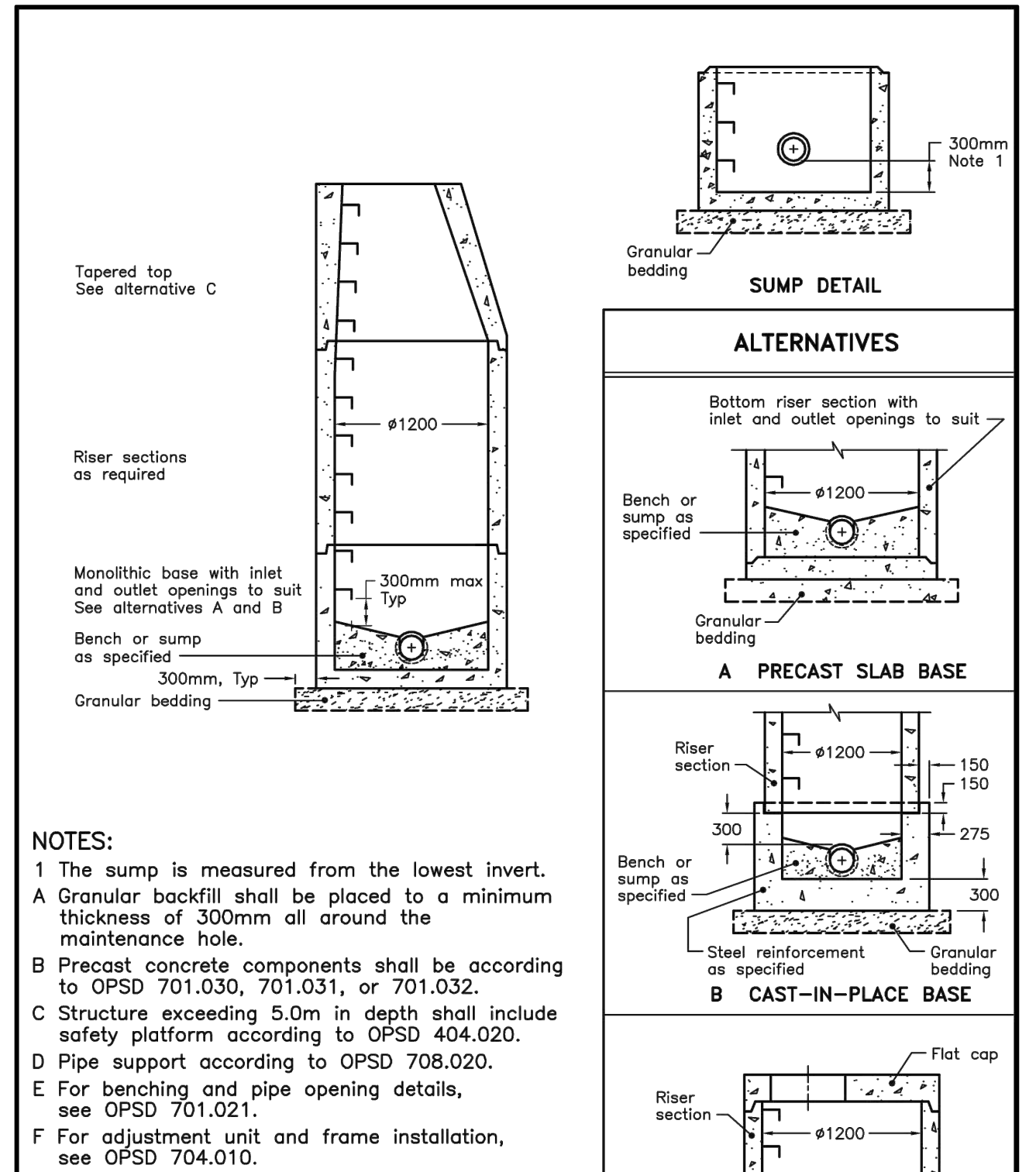
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CAST IRON, SQUARE FRAME WITH CIRCULAR CLOSED OR OPEN COVER FOR MAINTENANCE HOLES
OPSD 401.010



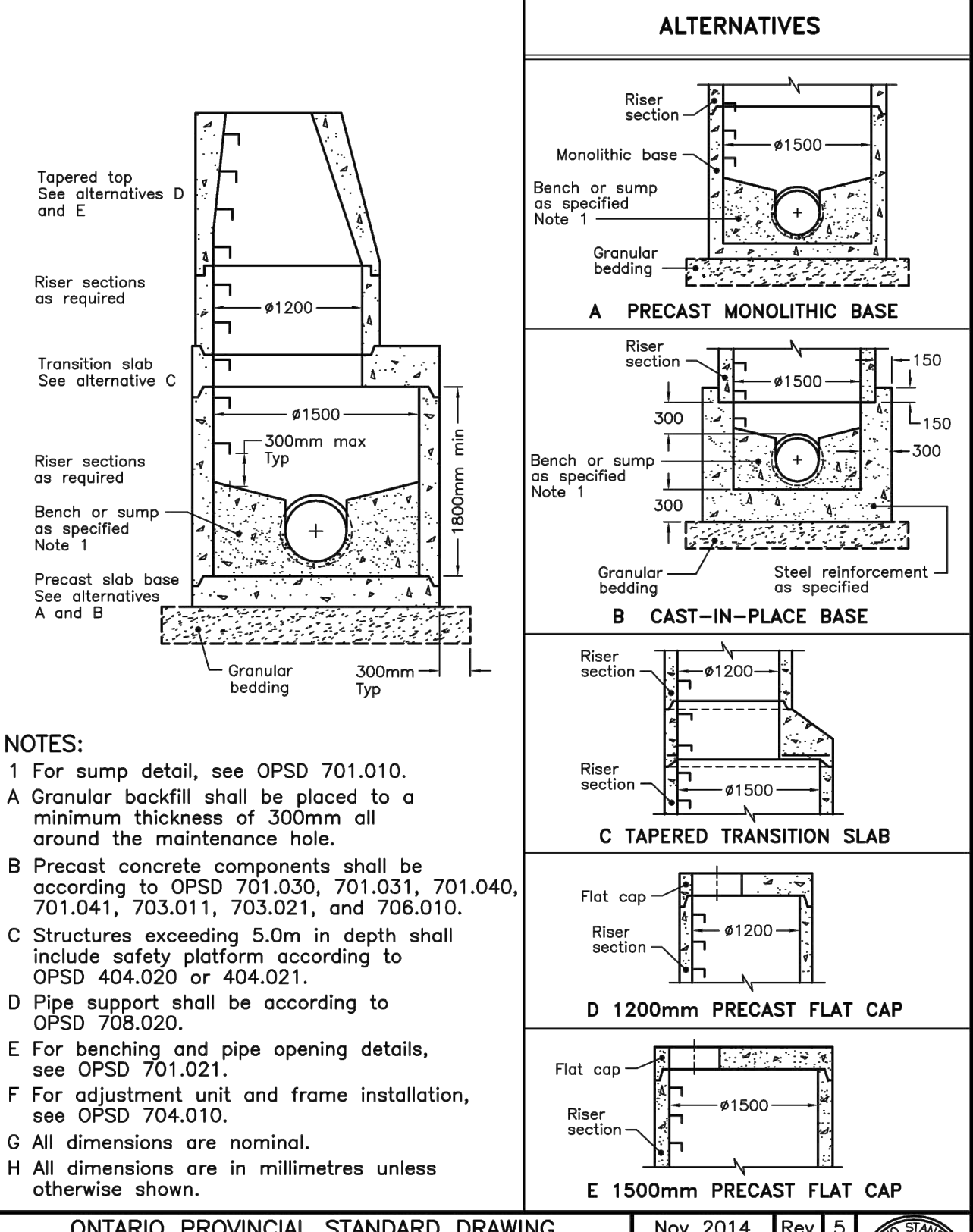
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OPSD 401.020



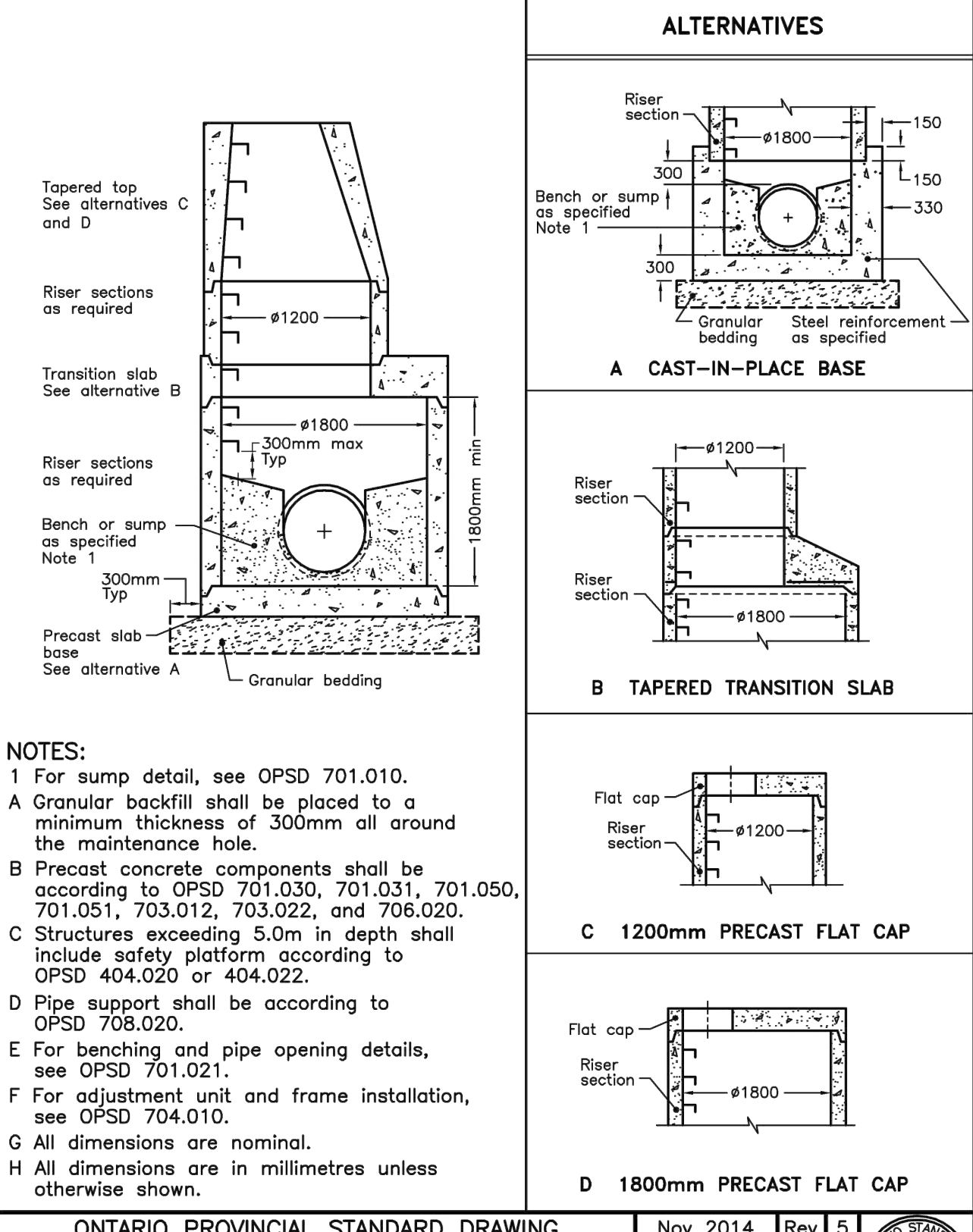
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OPSD 401.030



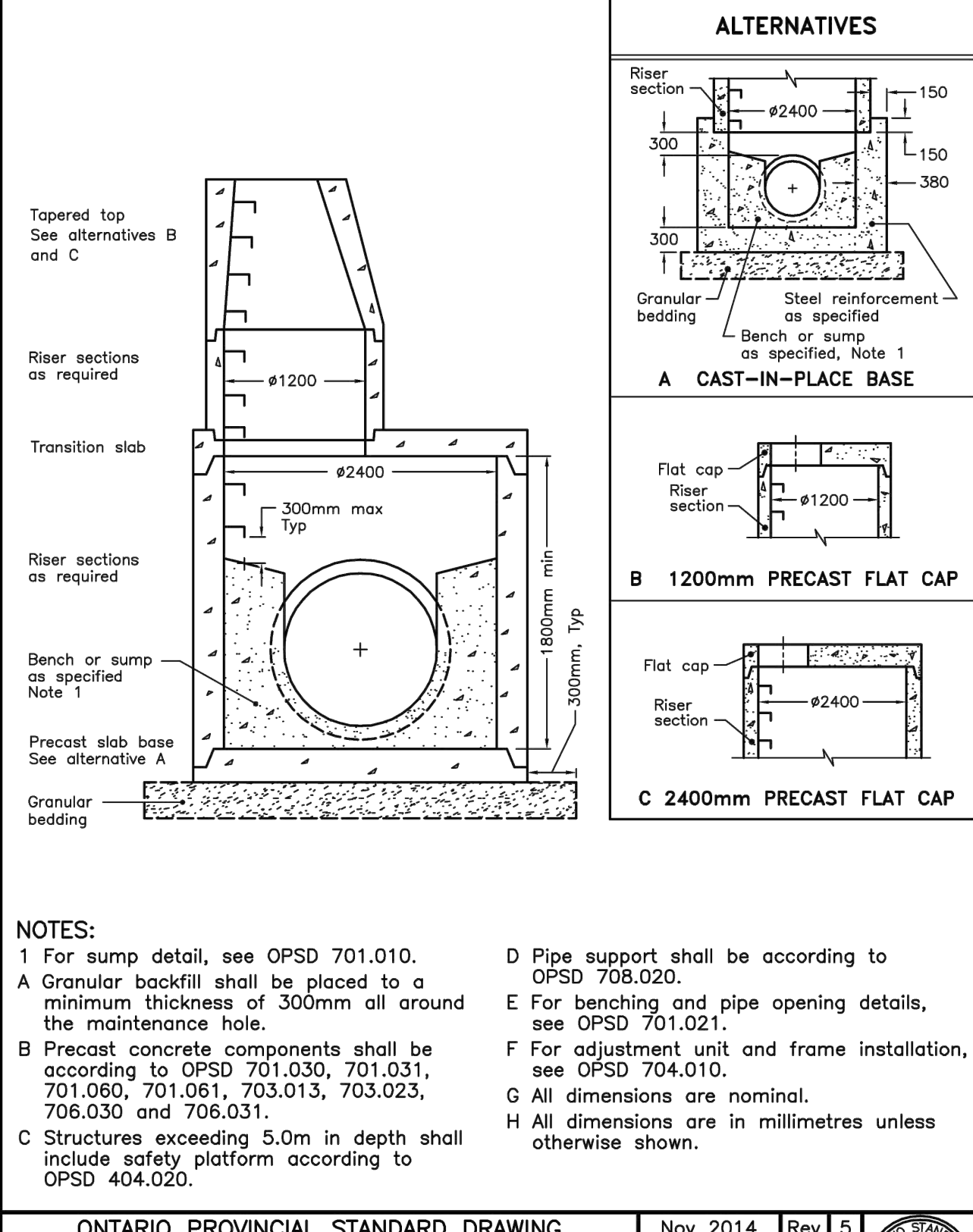
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OPSD 701.010



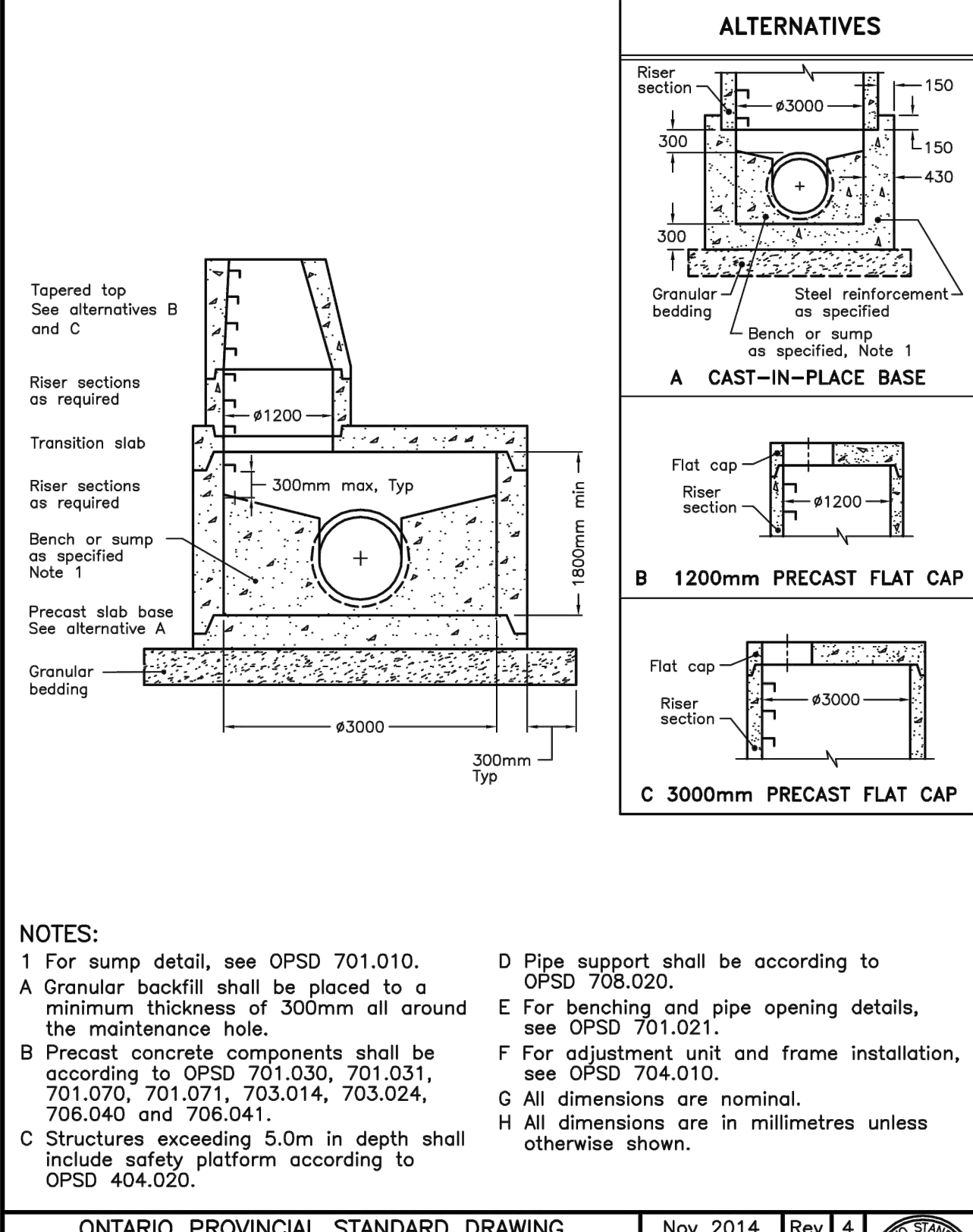
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OPSD 701.011



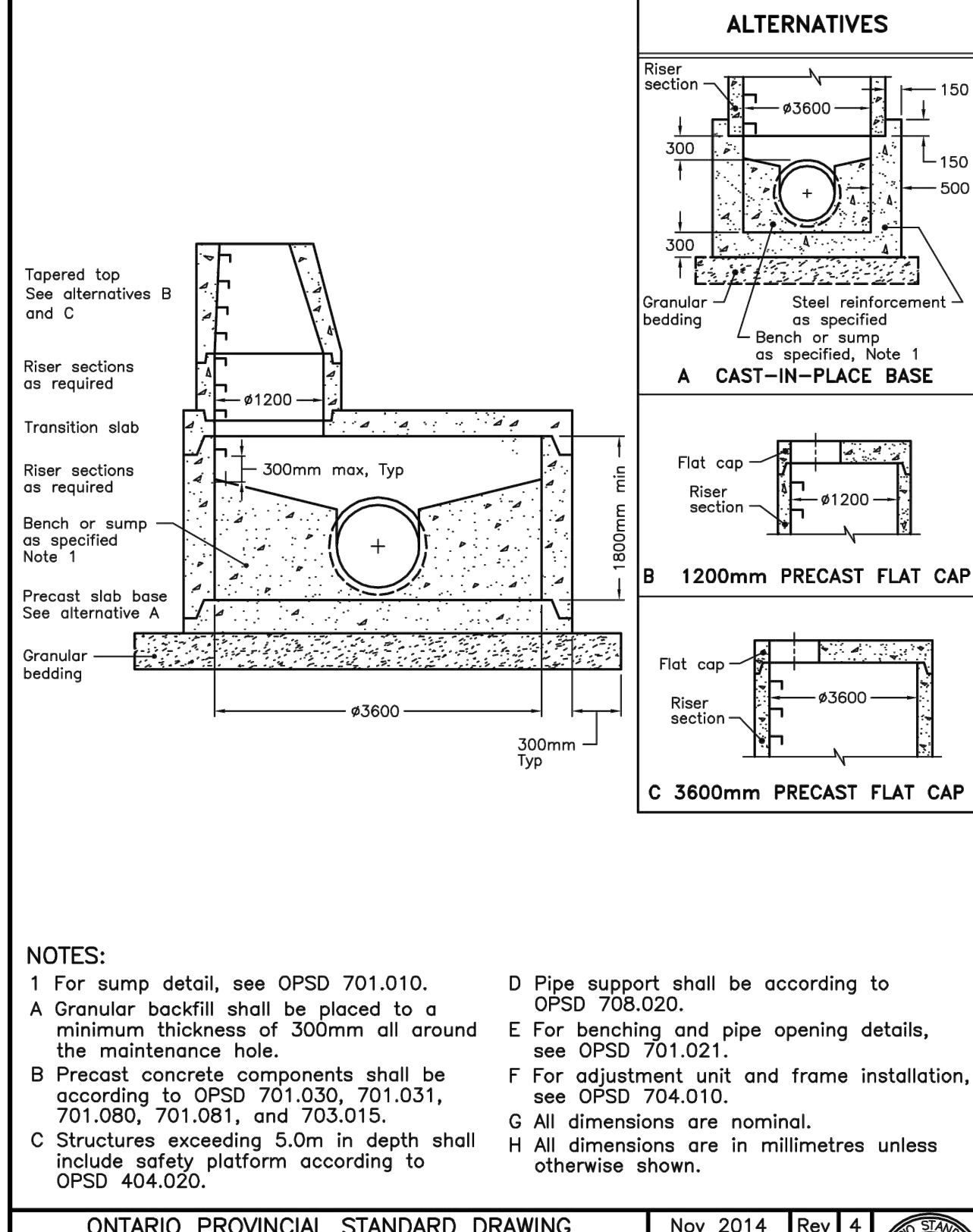
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OPSD 701.012



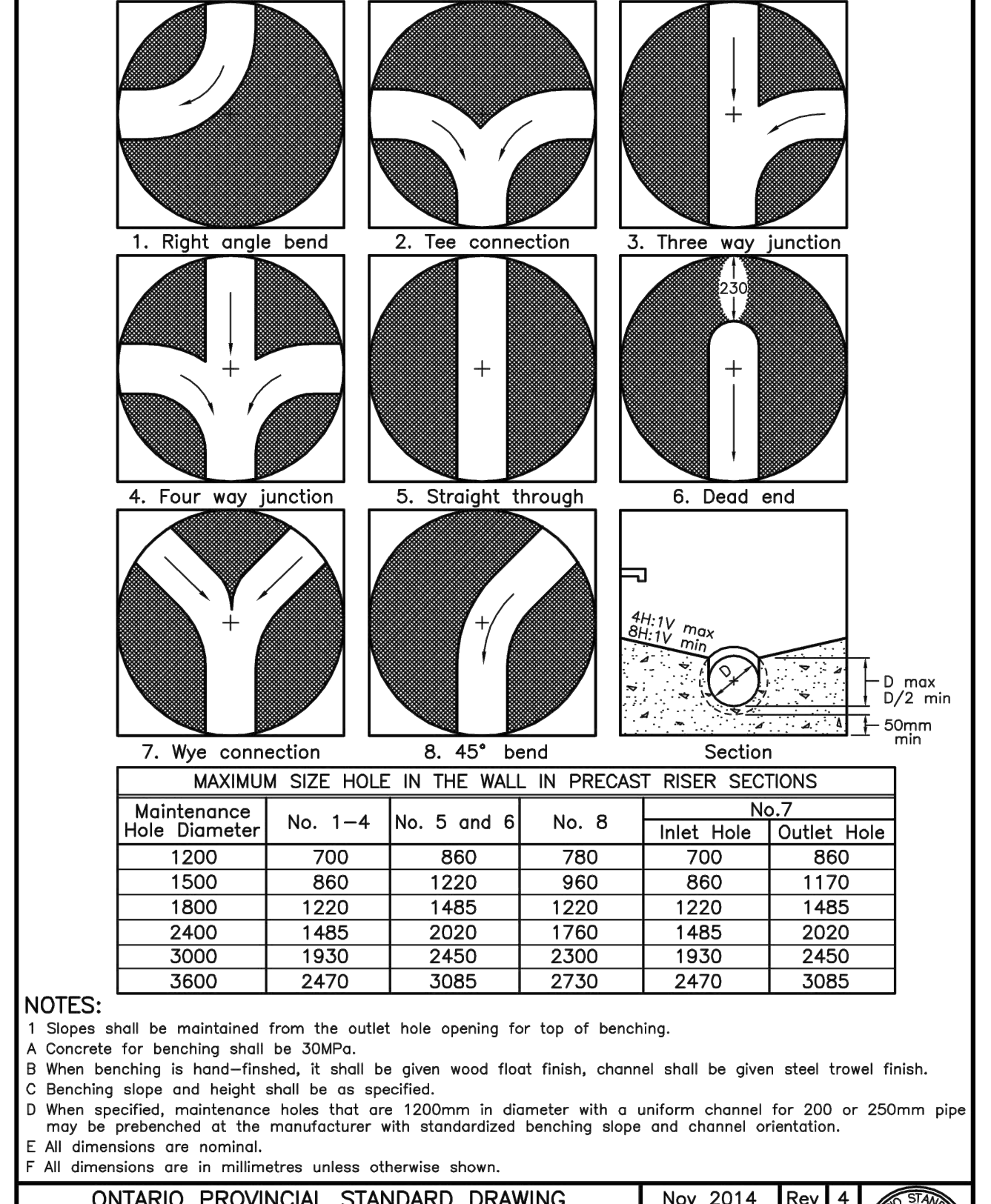
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OPSD 701.013



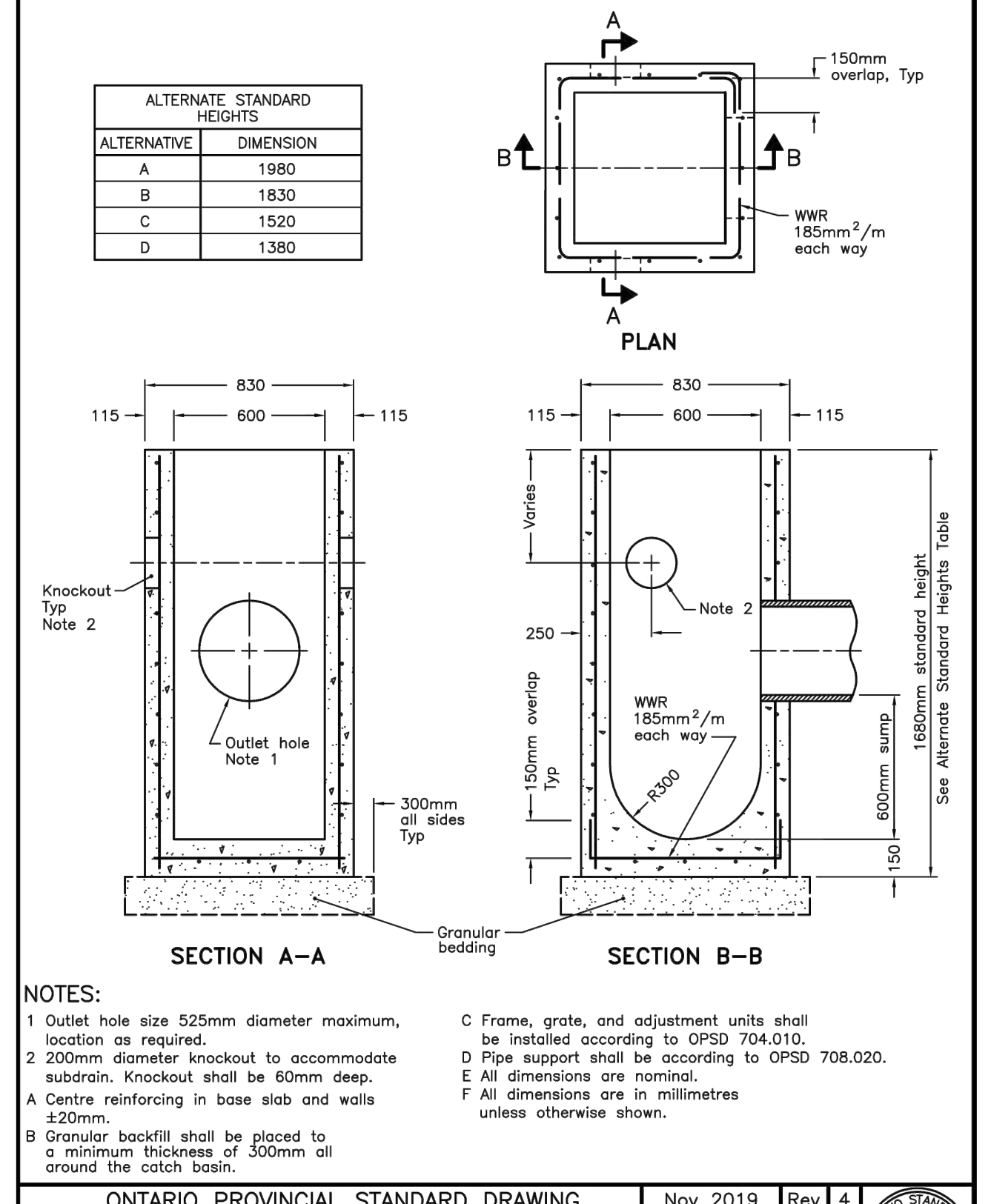
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OPSD 701.014



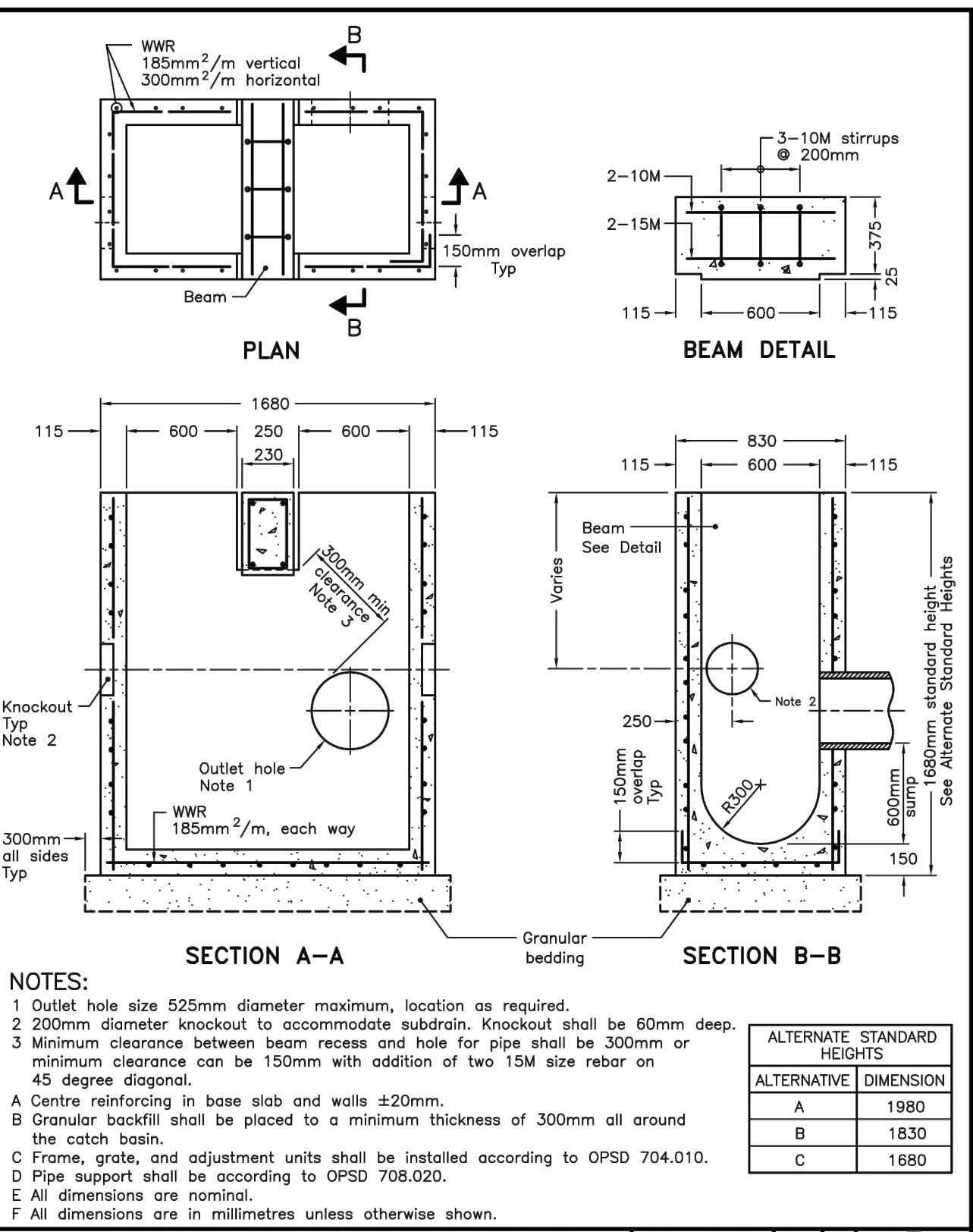
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OPSD 701.015



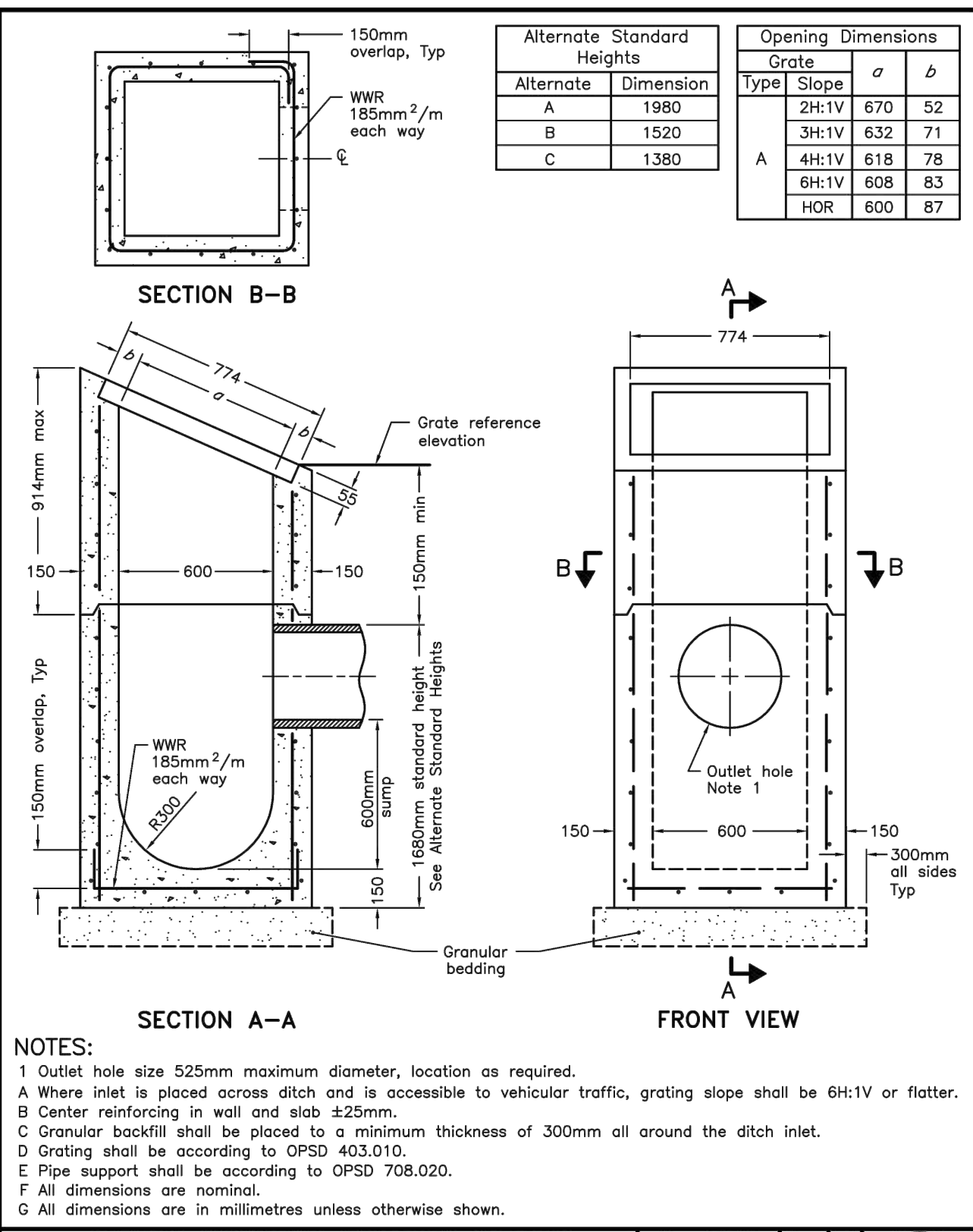
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OPSD 701.021



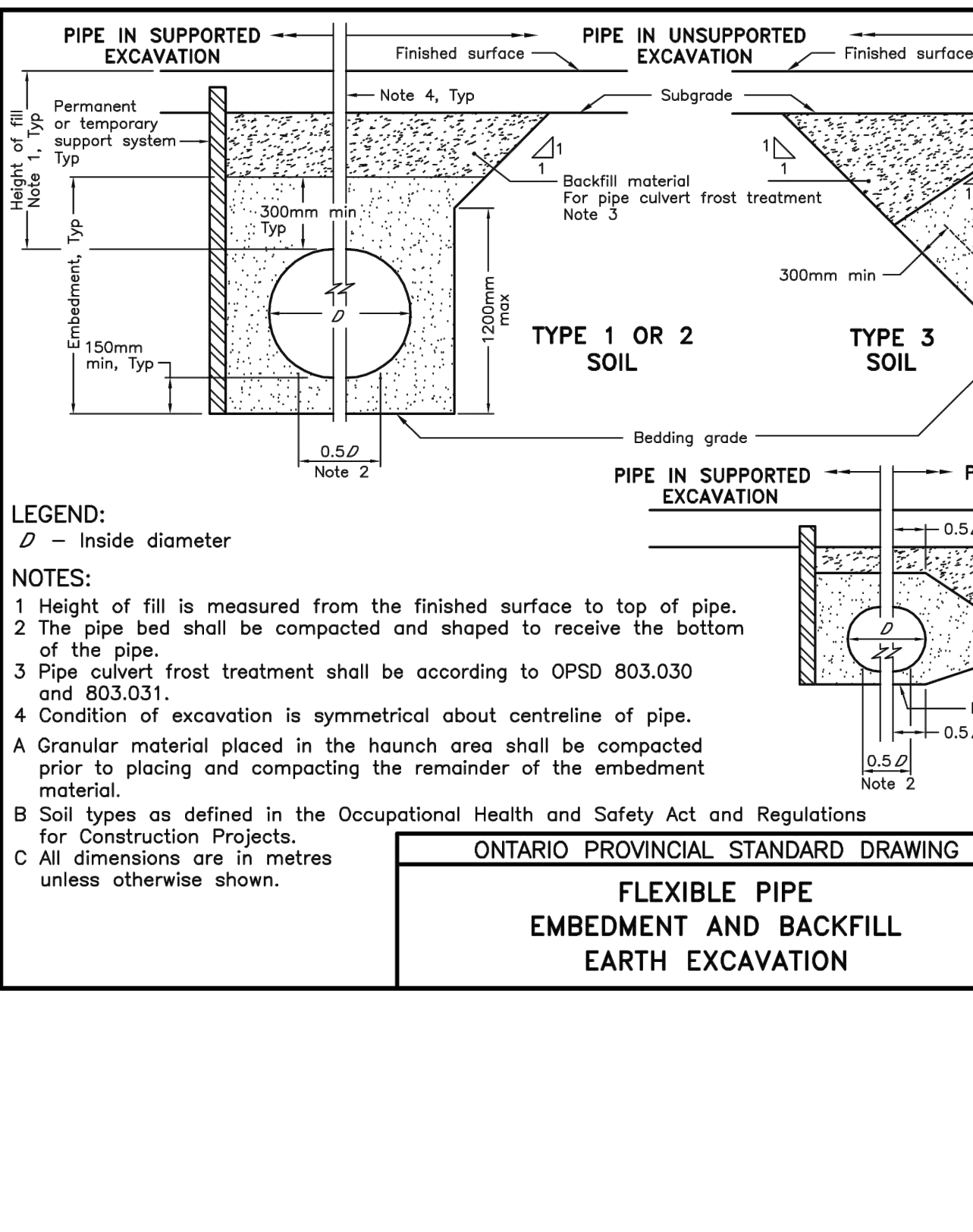
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OPSD 705.010



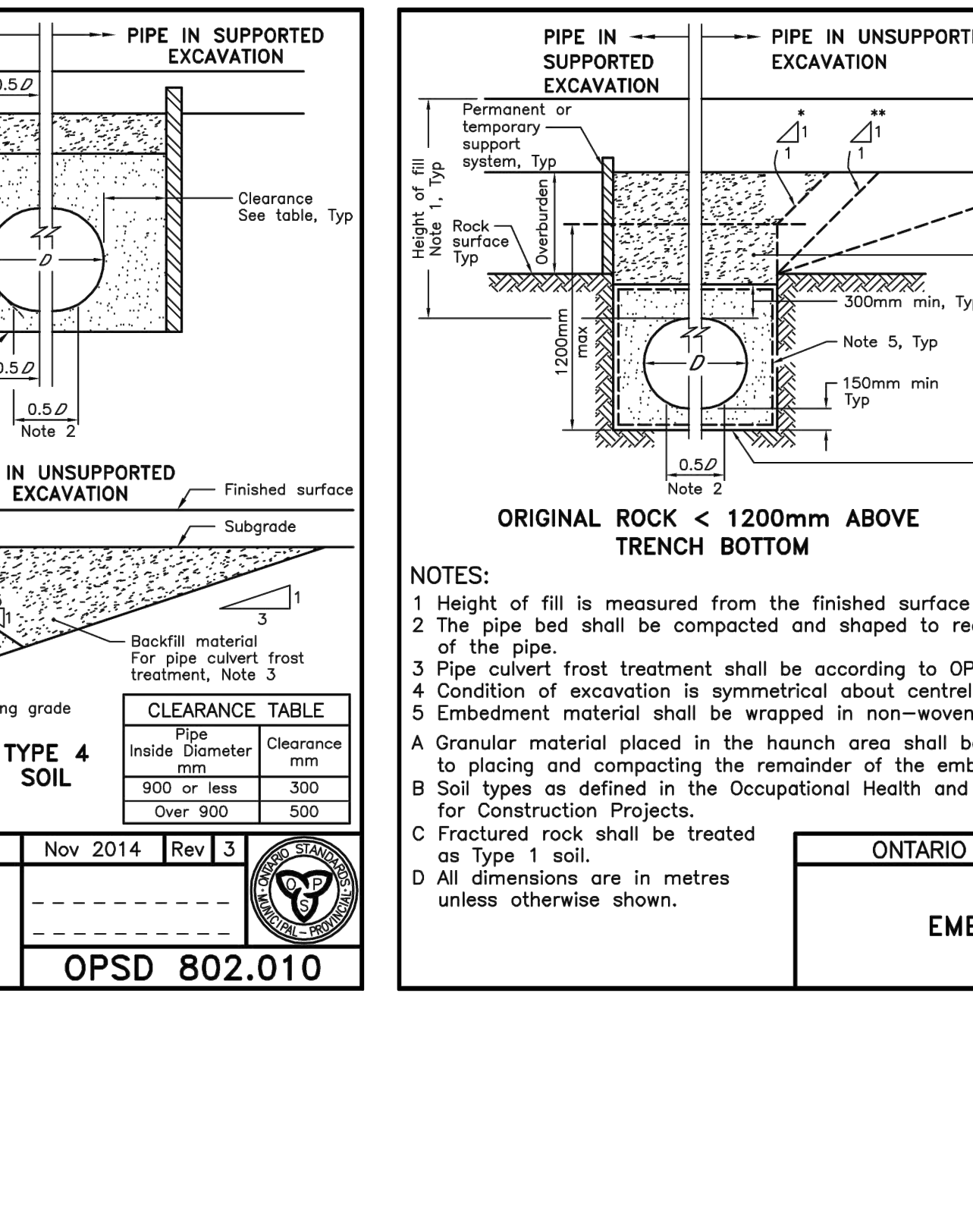
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OPSD 705.020



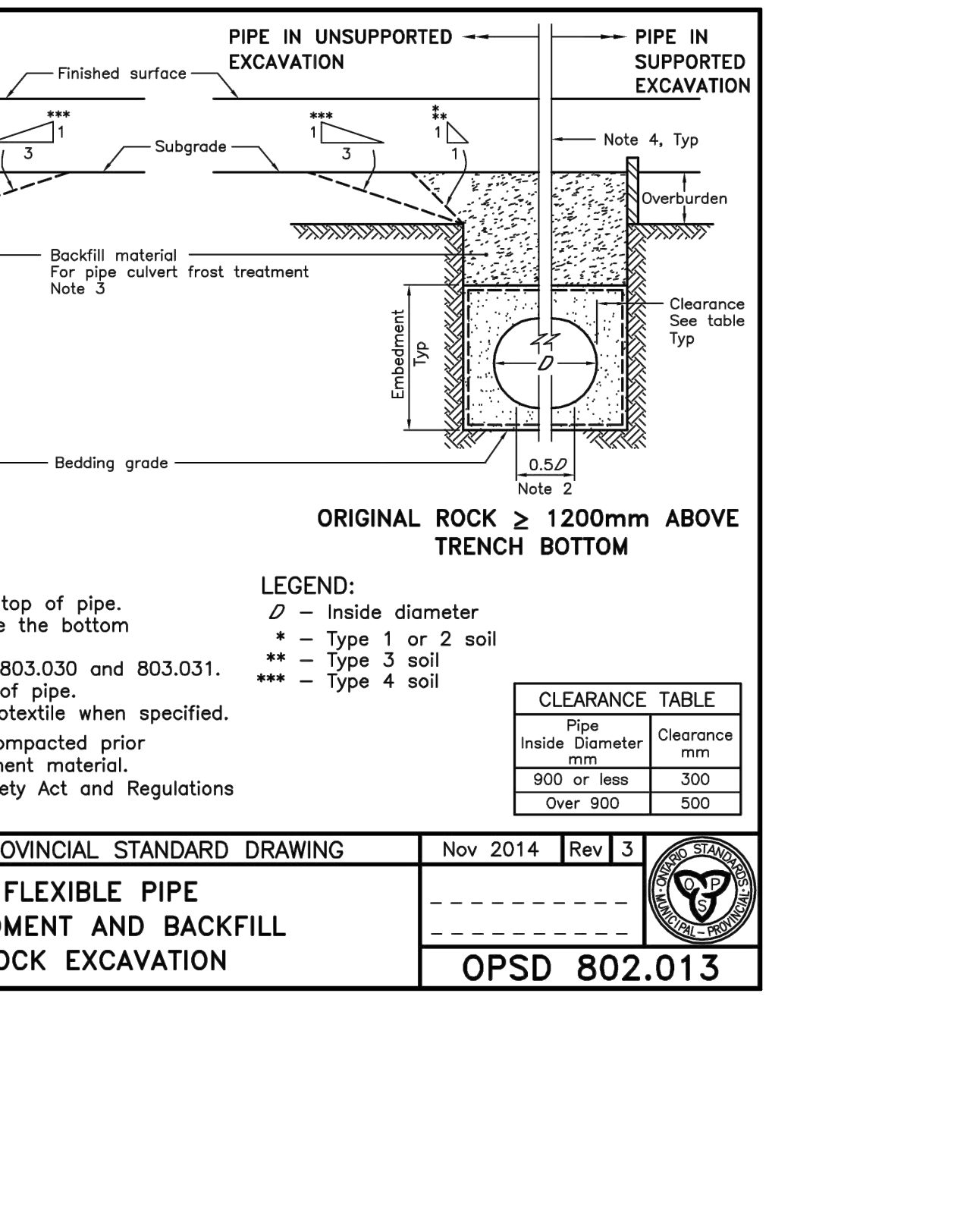
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PRECAST CONCRETE DITCH INLET 600 x 600mm
OPSD 705.030



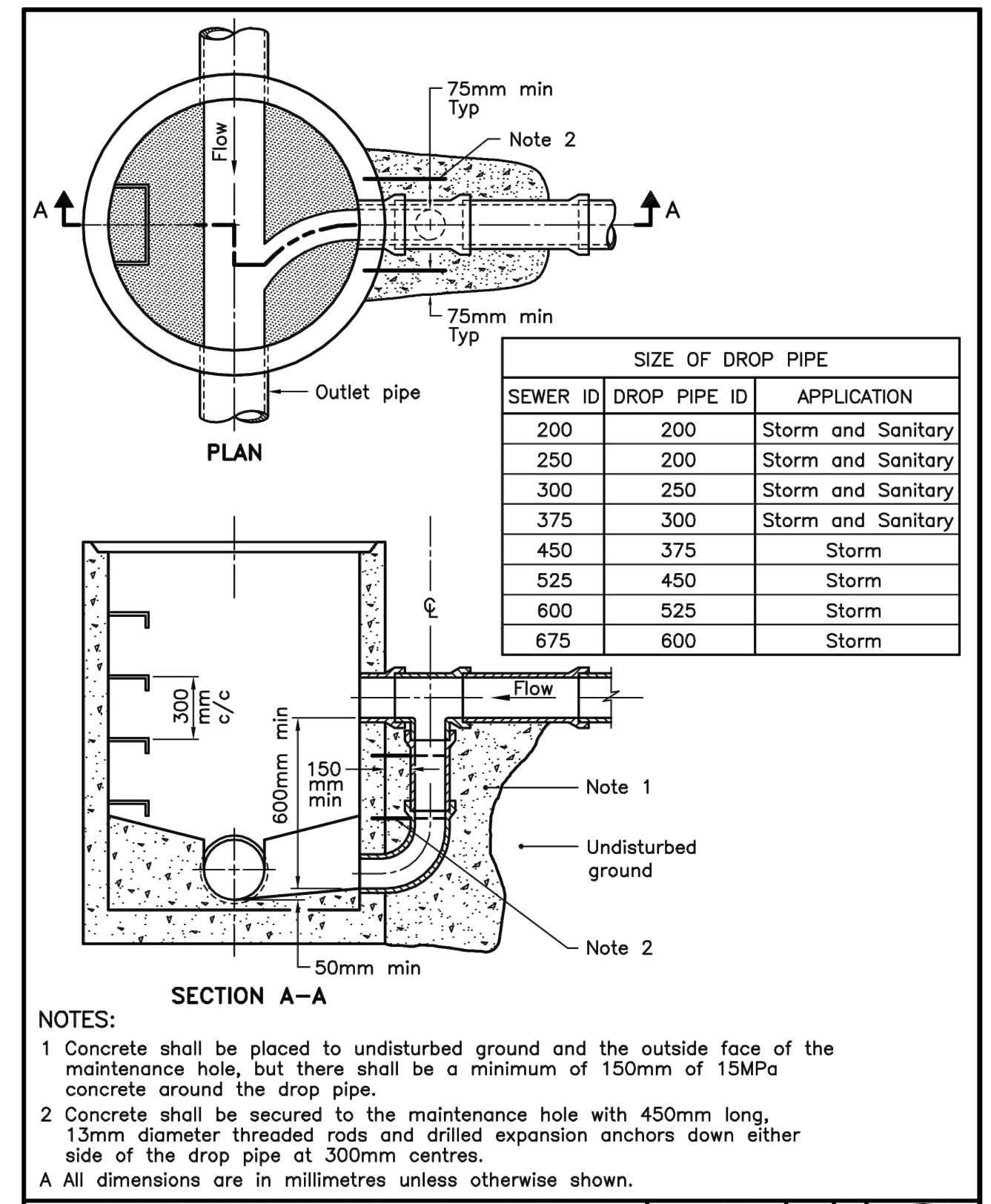
ONTARIO PROVINCIAL STANDARD DRAWING
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION
OPSD 802.010



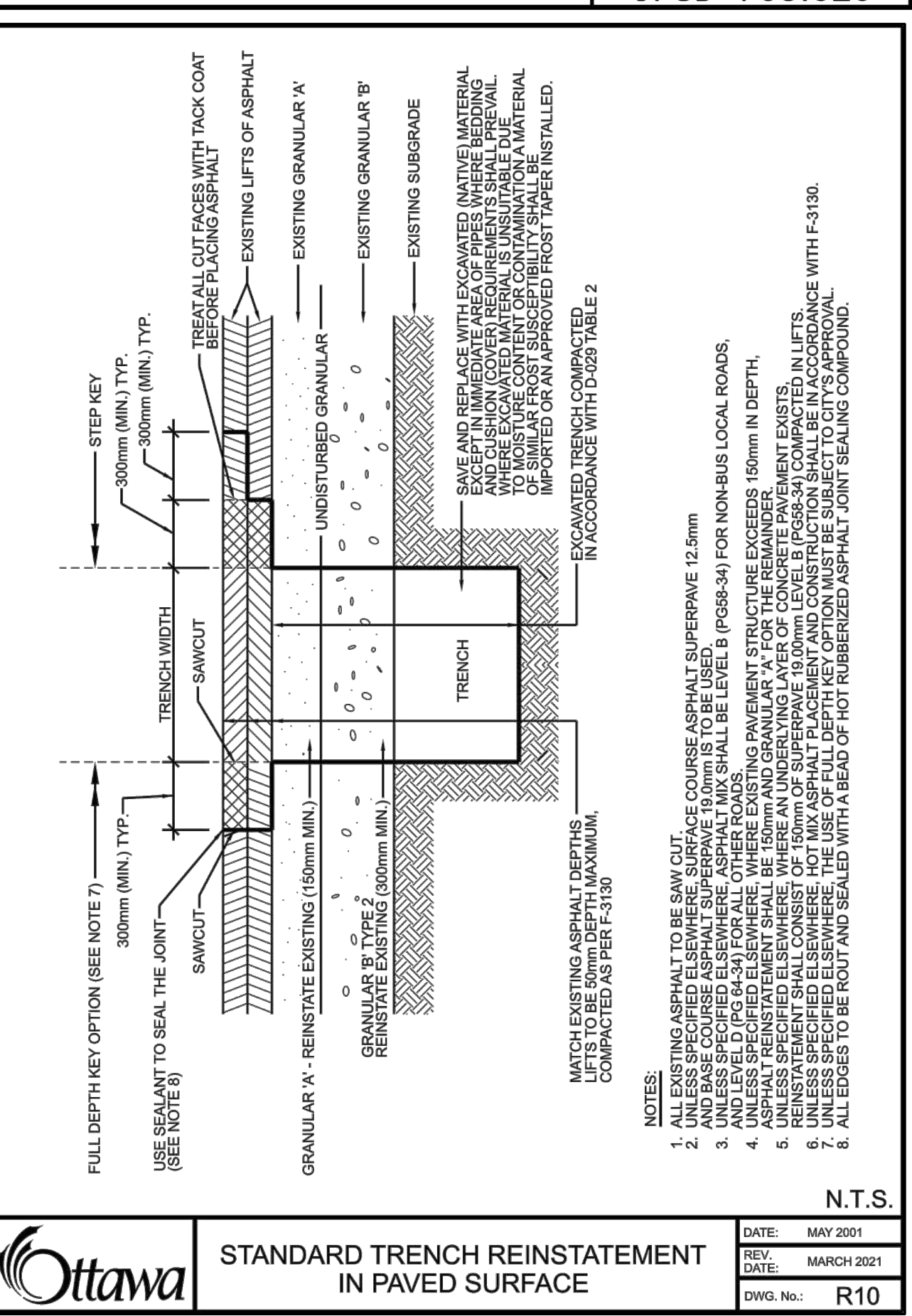
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FLEXIBLE PIPE EMBEDMENT AND BACKFILL ROCK EXCAVATION
OPSD 802.013



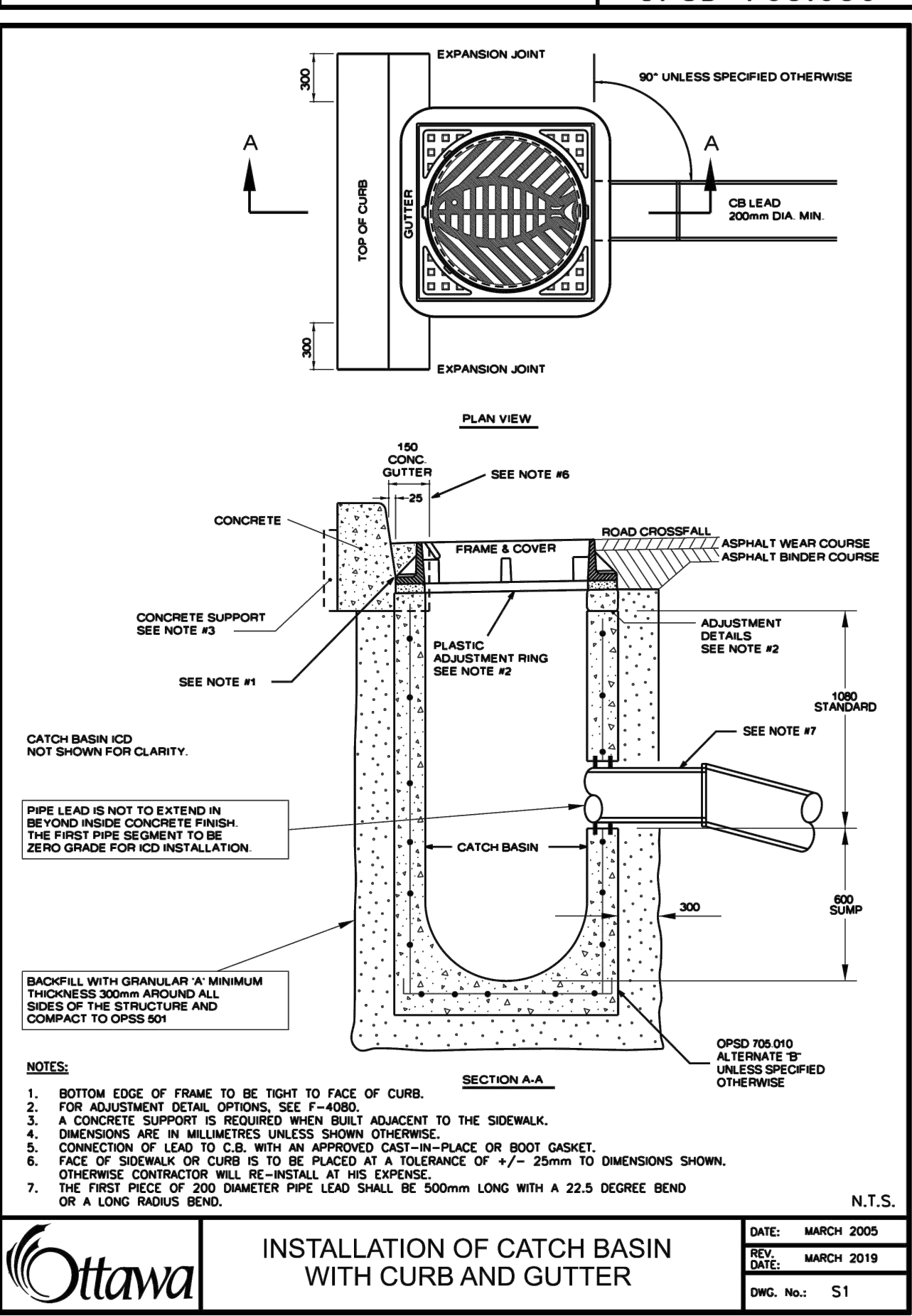
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CAST-IN-PLACE MAINTENANCE HOLE DROP STRUCTURE TEE
OPSD 1003.010



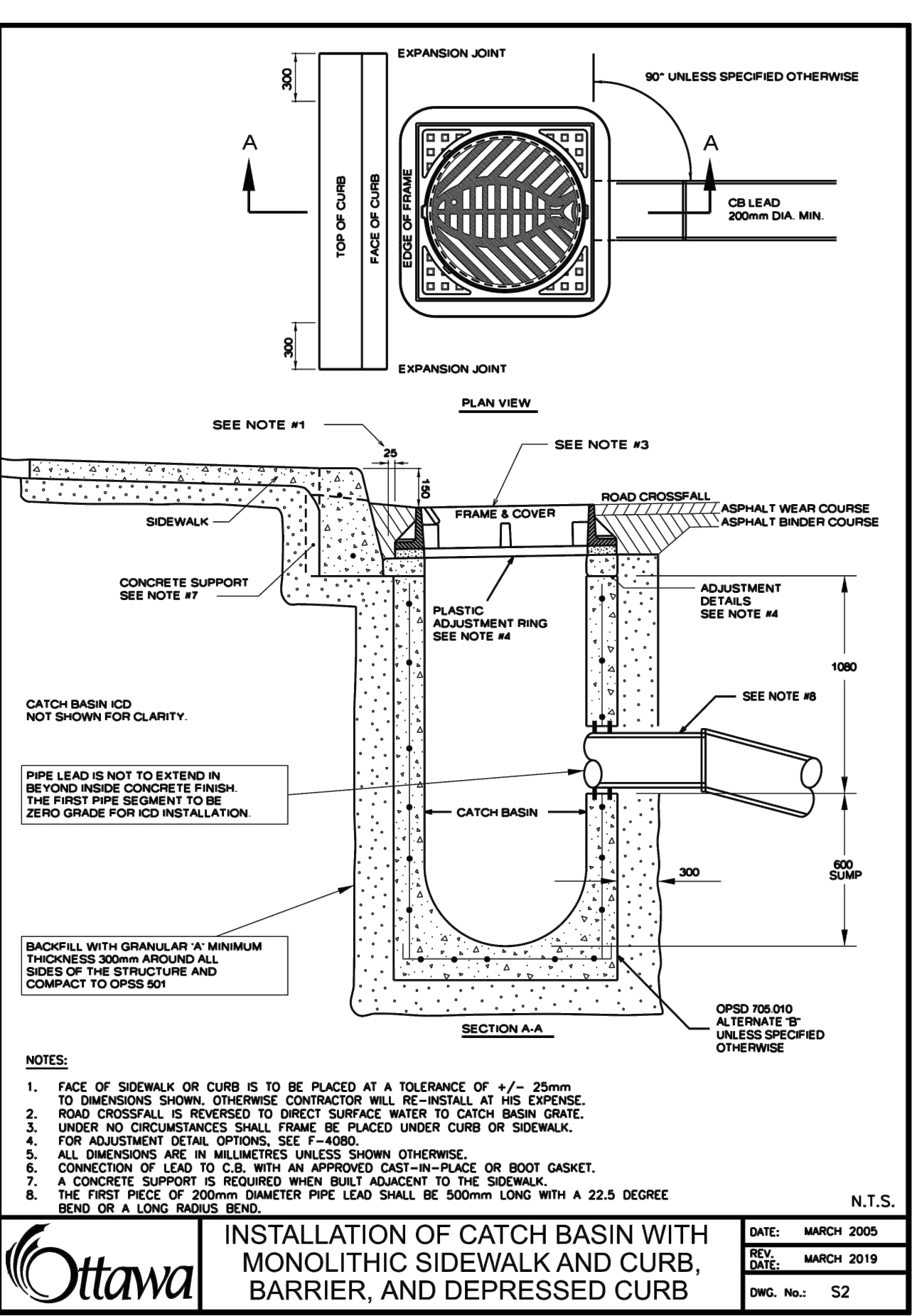
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LIGHT-DUTY SILT FENCE BARRIER
OPSD 219.110



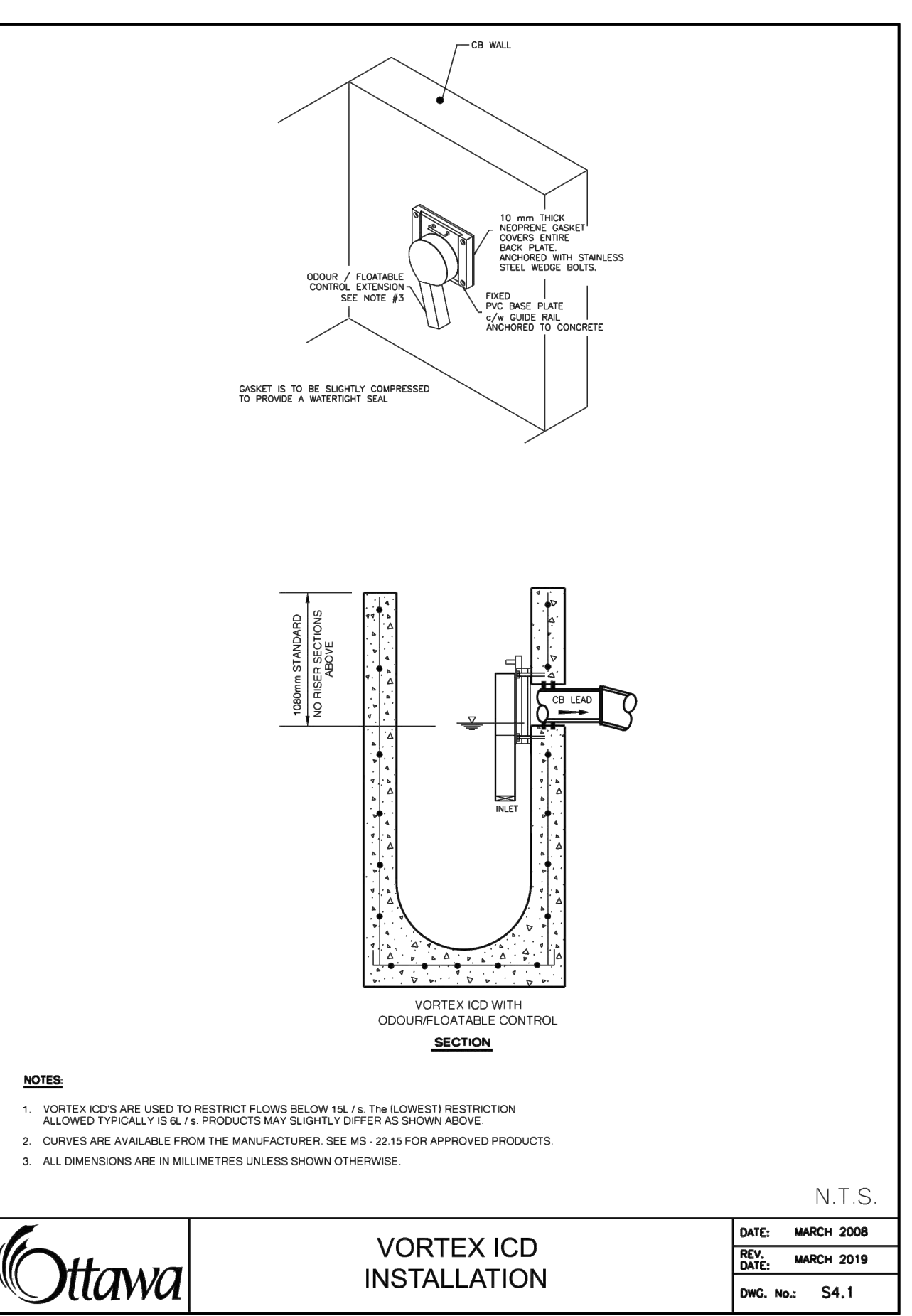
ONTARIO PROVINCIAL STANDARD DRAWING
STANDARD TRENCH REINFORCEMENT IN PAVED SURFACE
OPSD N.T.S.



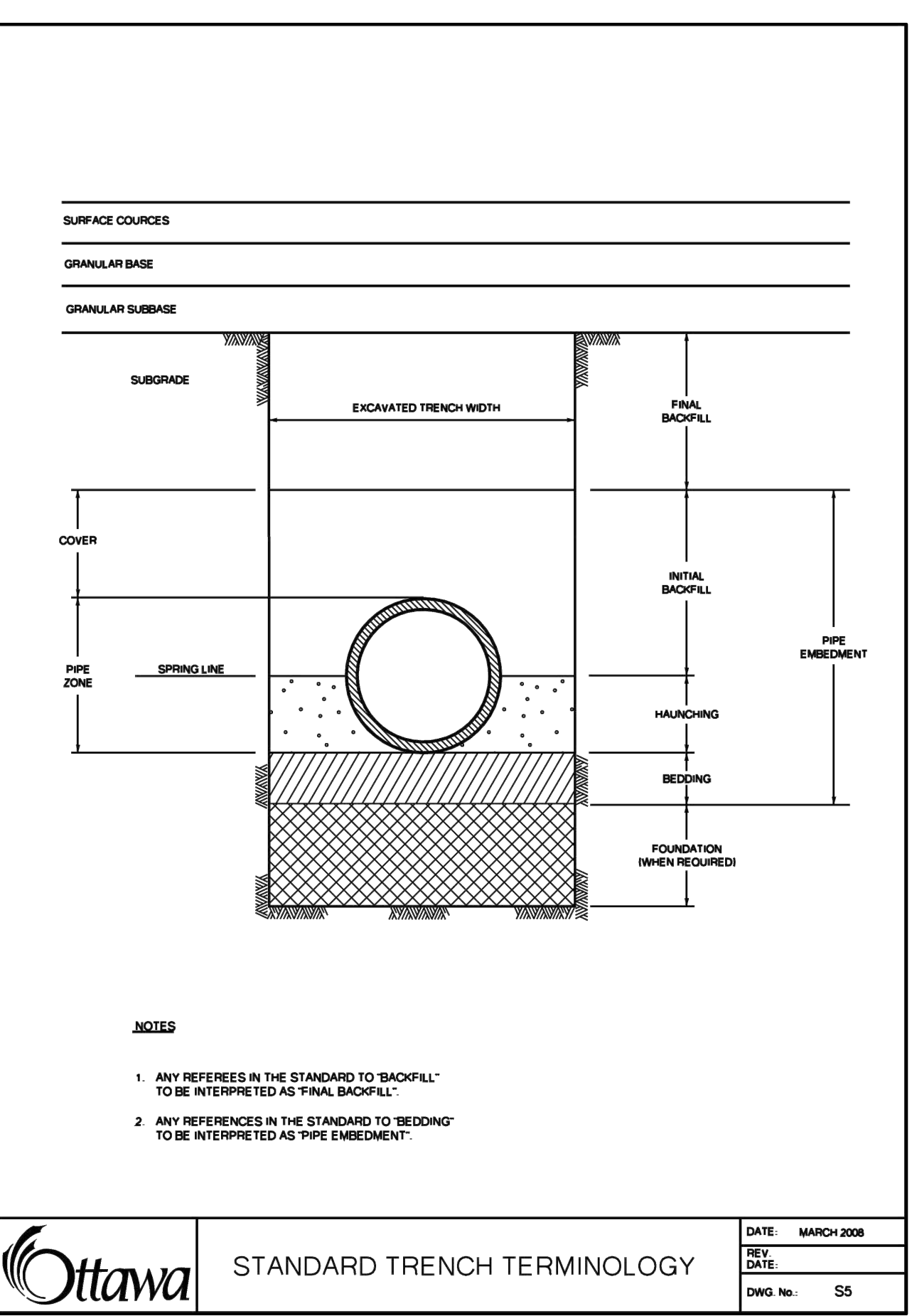
ONTARIO PROVINCIAL STANDARD DRAWING
INSTALLATION OF CATCH BASIN WITH CURB AND GUTTER
OPSD N.T.S.



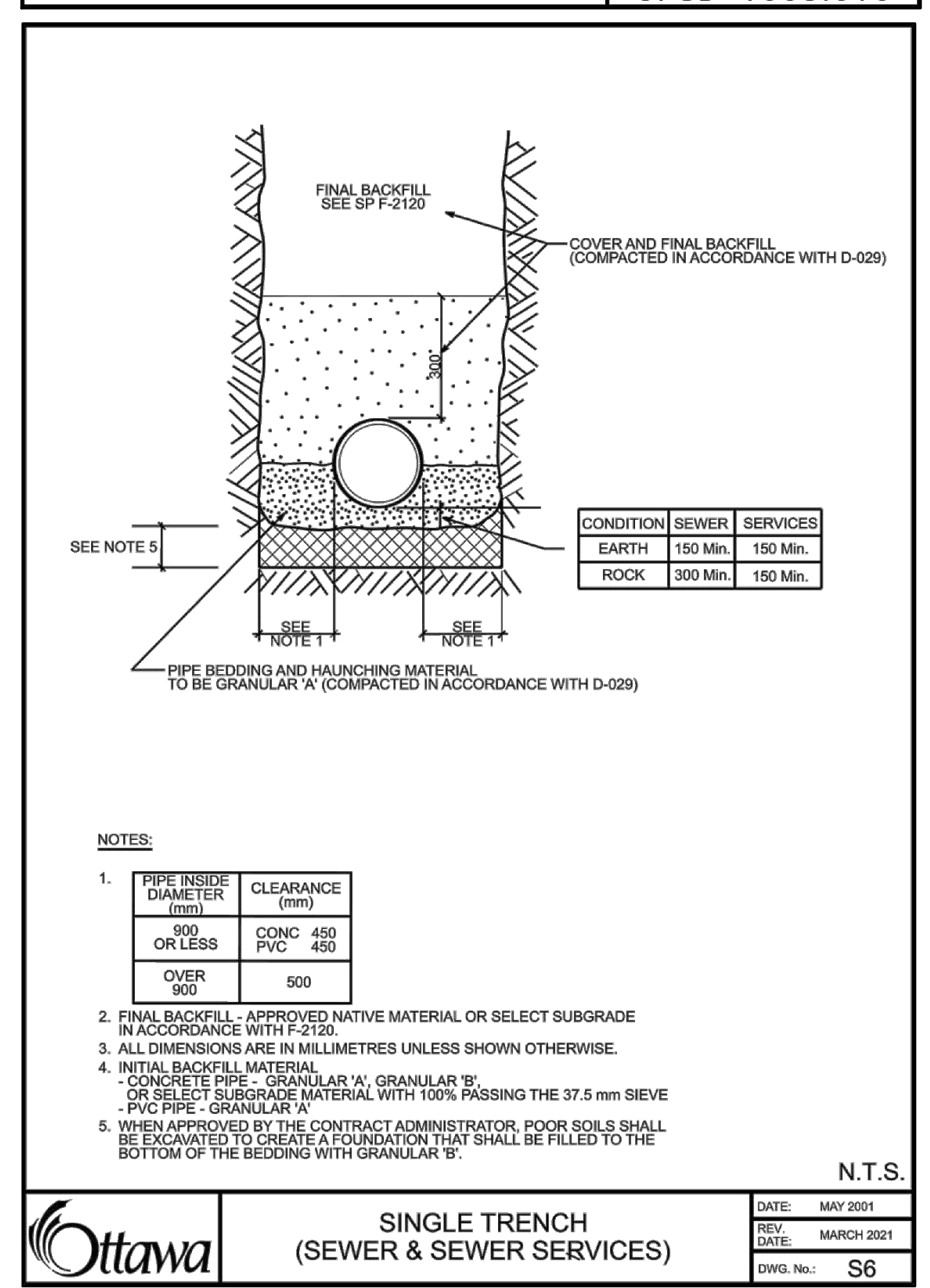
ONTARIO PROVINCIAL STANDARD DRAWING
INSTALLATION OF CATCH BASIN WITH MONOLITHIC SIDEWALK AND CURB, BARRIER, AND DEPRESSED CURB
OPSD N.T.S.



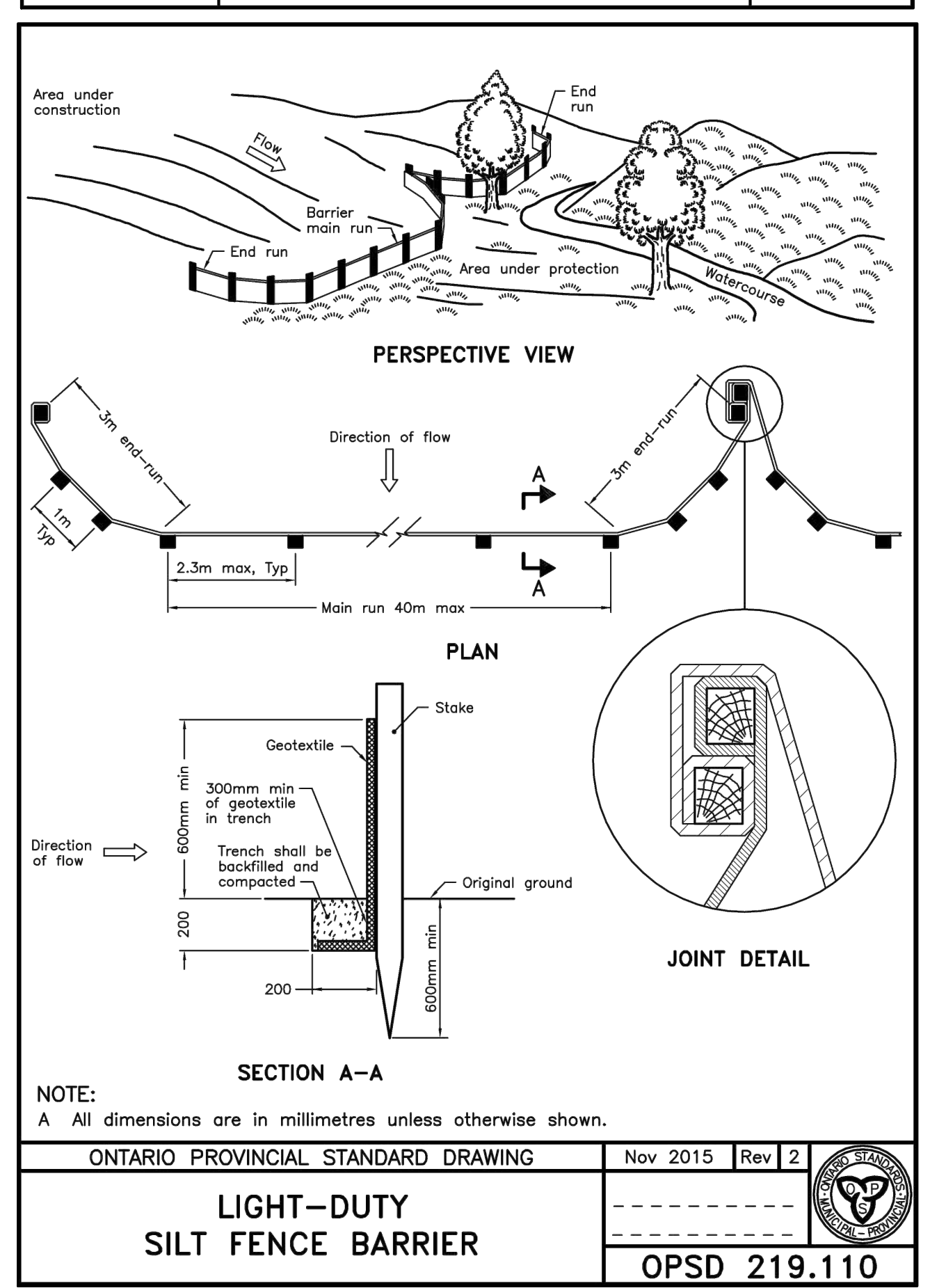
ONTARIO PROVINCIAL STANDARD DRAWING
VORTEX ICD INSTALLATION
OPSD N.T.S.



ONTARIO PROVINCIAL STANDARD DRAWING
STANDARD TRENCH TERMINOLOGY
OPSD N.T.S.



ONTARIO PROVINCIAL STANDARD DRAWING
SINGLE TRENCH (SEWER & SEWER SERVICES)
OPSD N.T.S.



ONTARIO PROVINCIAL STANDARD DRAWING
SUBDRAIN INSTALLATION DETAIL
OPSD N.T.S.

Project Manager: M.E. JEG
Project Designer: J.E.G.
Project Architect: J.E.G.
Landscape Architect: J.E.G.
Civil Engineer: PARSONS
Structural Engineer: E3P
Mechanical Engineer: Smith & Anderson
Electrical Engineer: Smith & Anderson
Planning Engineer: Smith & Anderson
Interior Designer: Collins
Equipment Planner: Collins

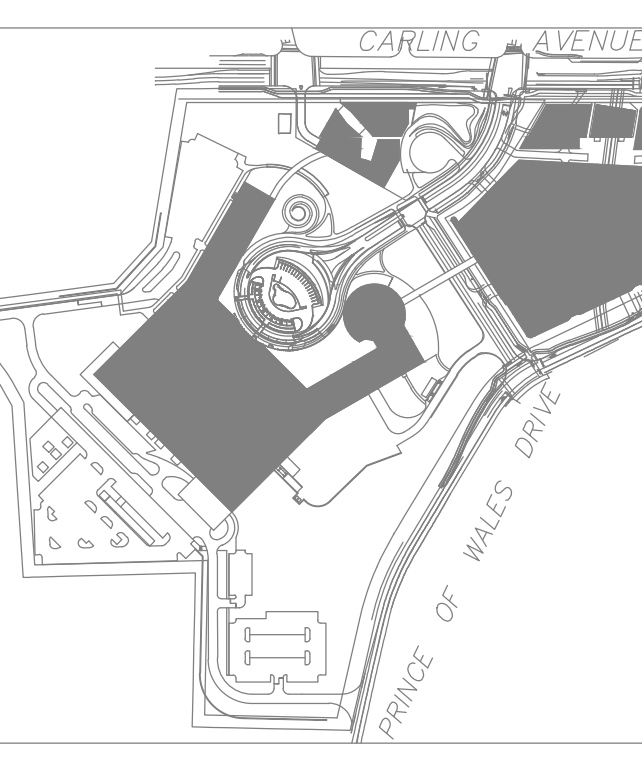
Sheet Reviewer: PARSONS

MARK DATE DESCRIPTION
01 2022-08-23 ISSUED FOR PRE-CONSULTATION
02 2022-10-26 DRAFT FOR R.O. 1D
03 2022-11-30 ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04 2022-12-02 ISSUED FOR 3A1.2
05 2023-03-24 ISSUED FOR RFP VERSION 1.0
06 2023-04-12 RE-ISSUED FOR SPC & FLUIDA

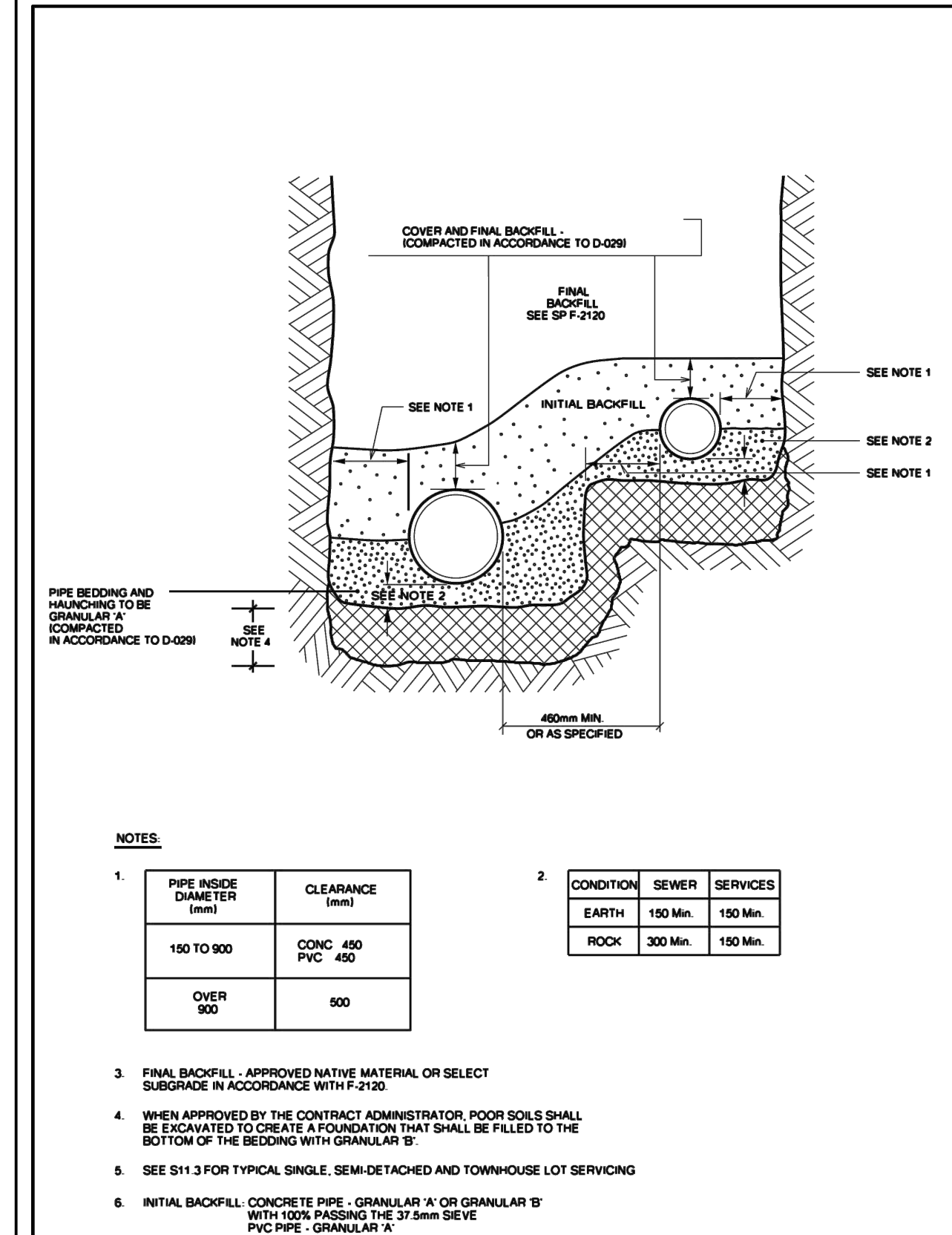
Project Number: 1033982
Original Issue: 04/11/22
Date: 2023-02-22 09:08
File Name: 18991

Sheet Name: DETAILS 1
Sheet Number: C016
Project Status: STAGE 3

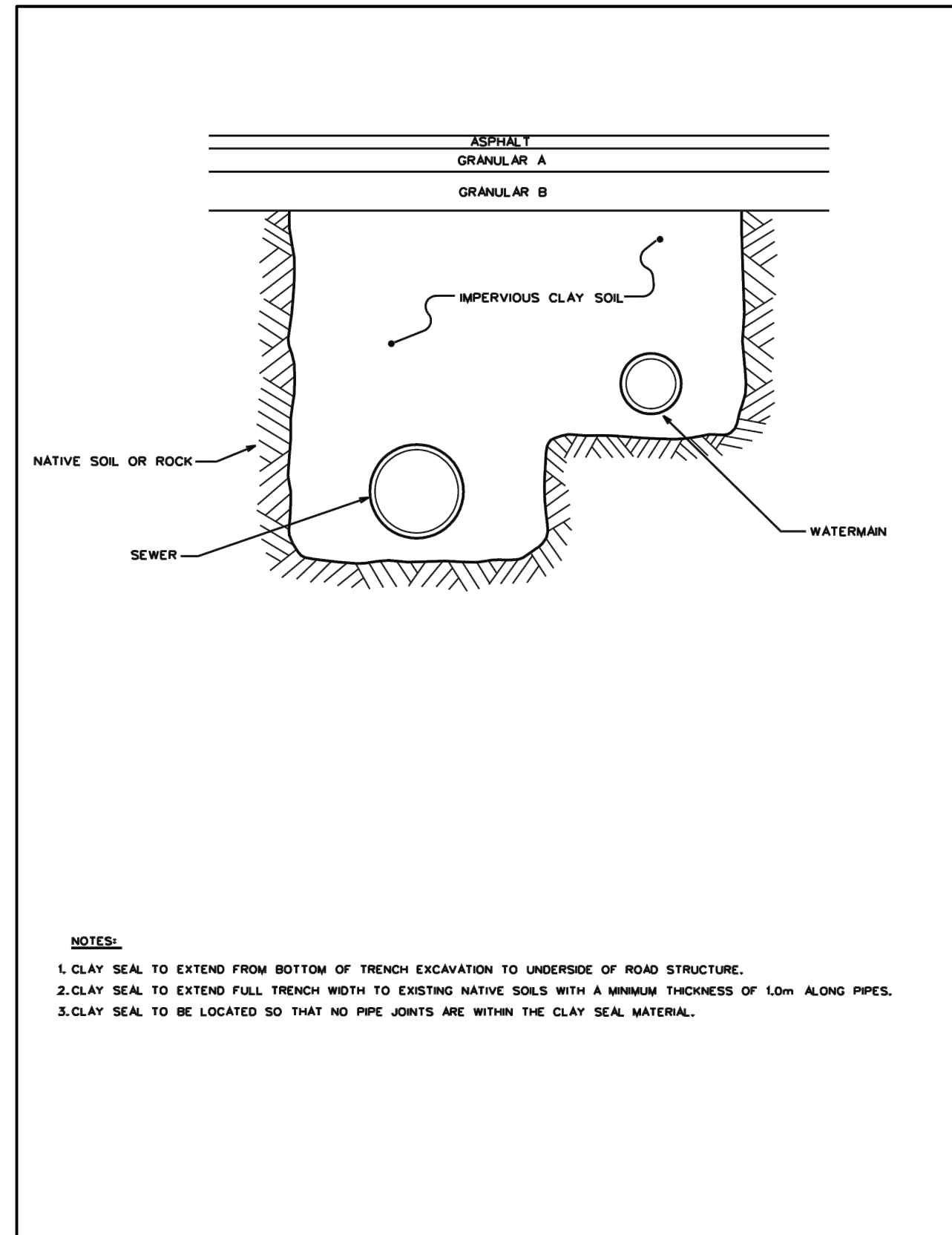
PRELIMINARY
NOT FOR CONSTRUCTION



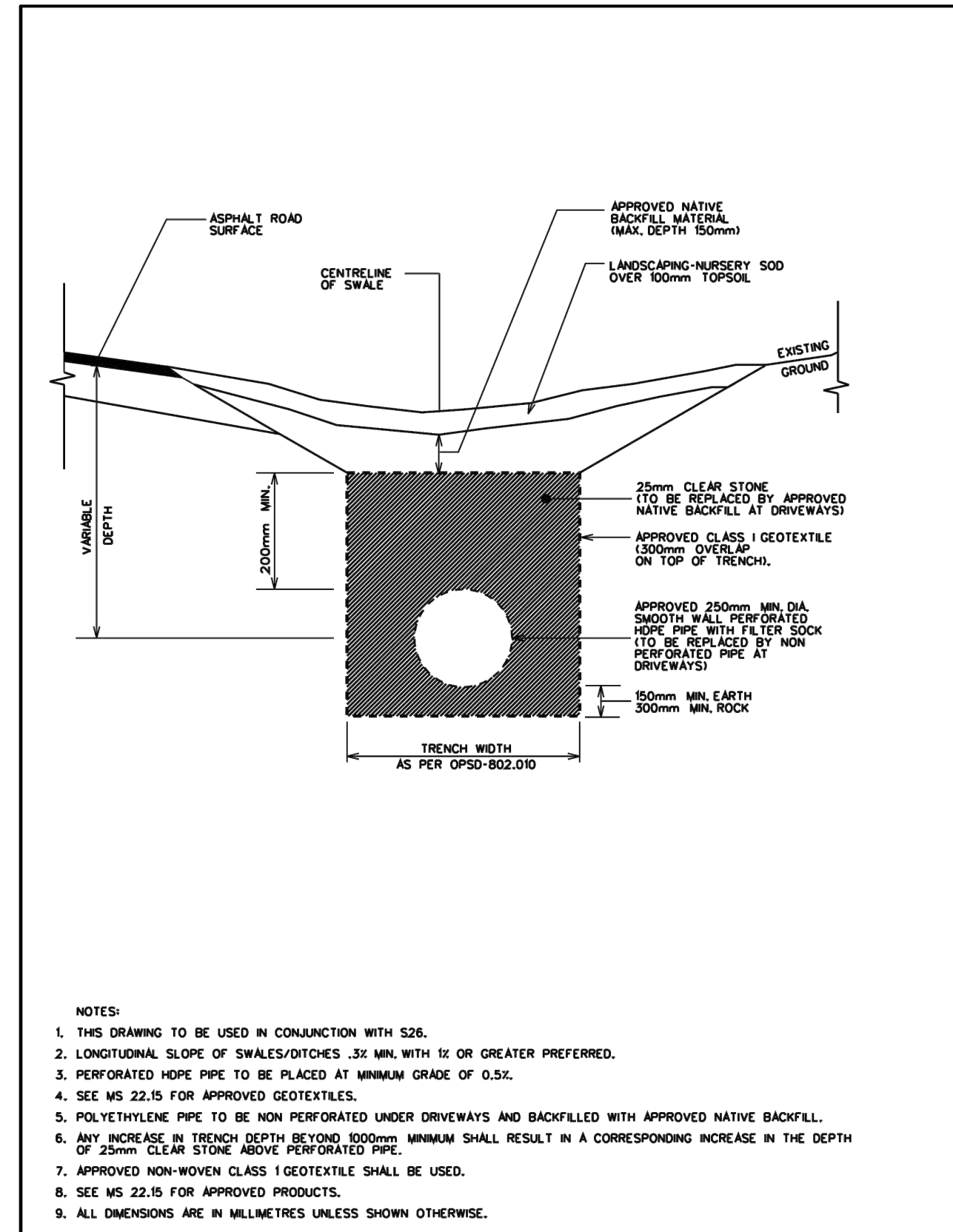
THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT



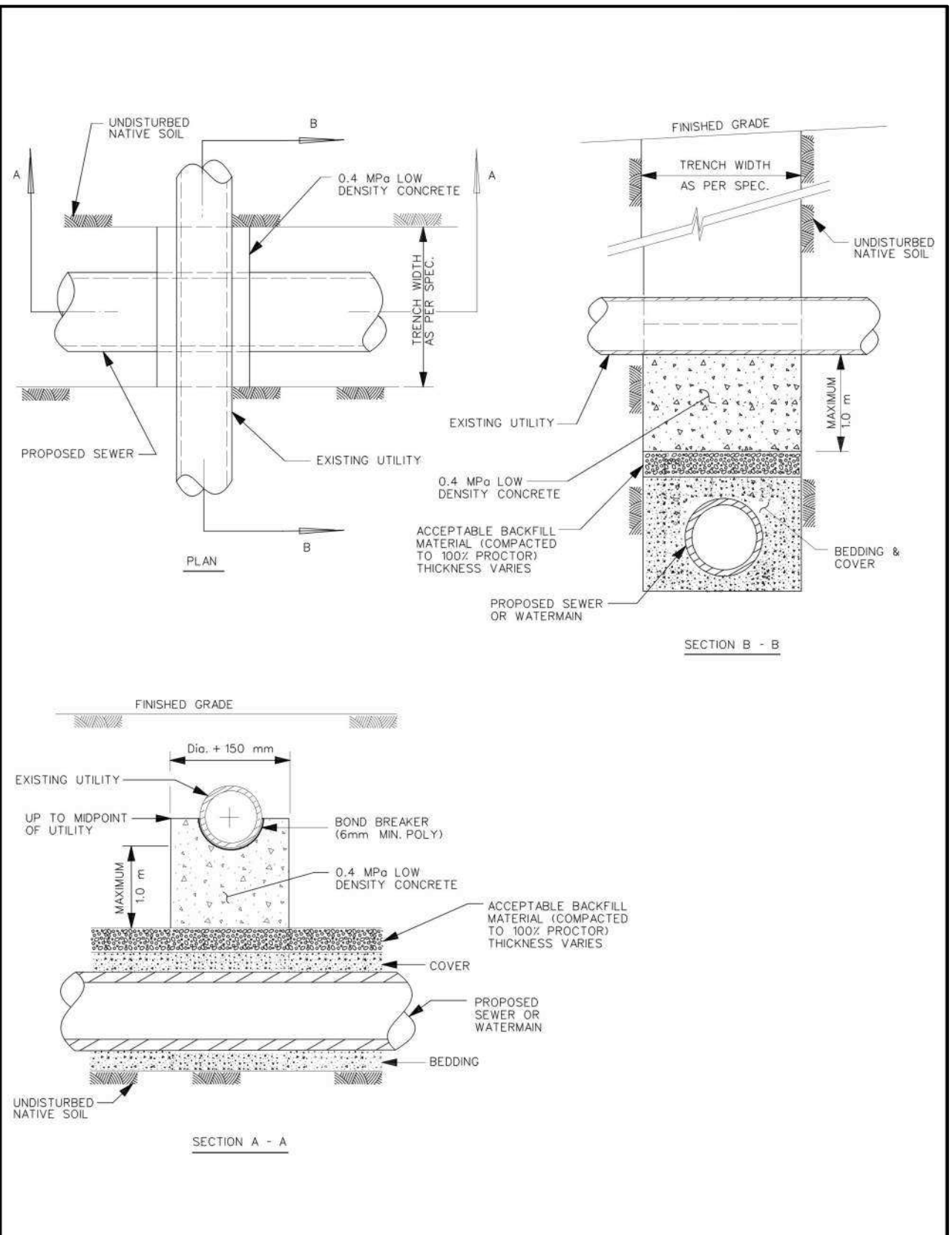
COMBINED TRENCH (SEWERS & SEWER SERVICES)
DATE: MAY 2001
REV: MARCH 2007
DWG. NO.: S7



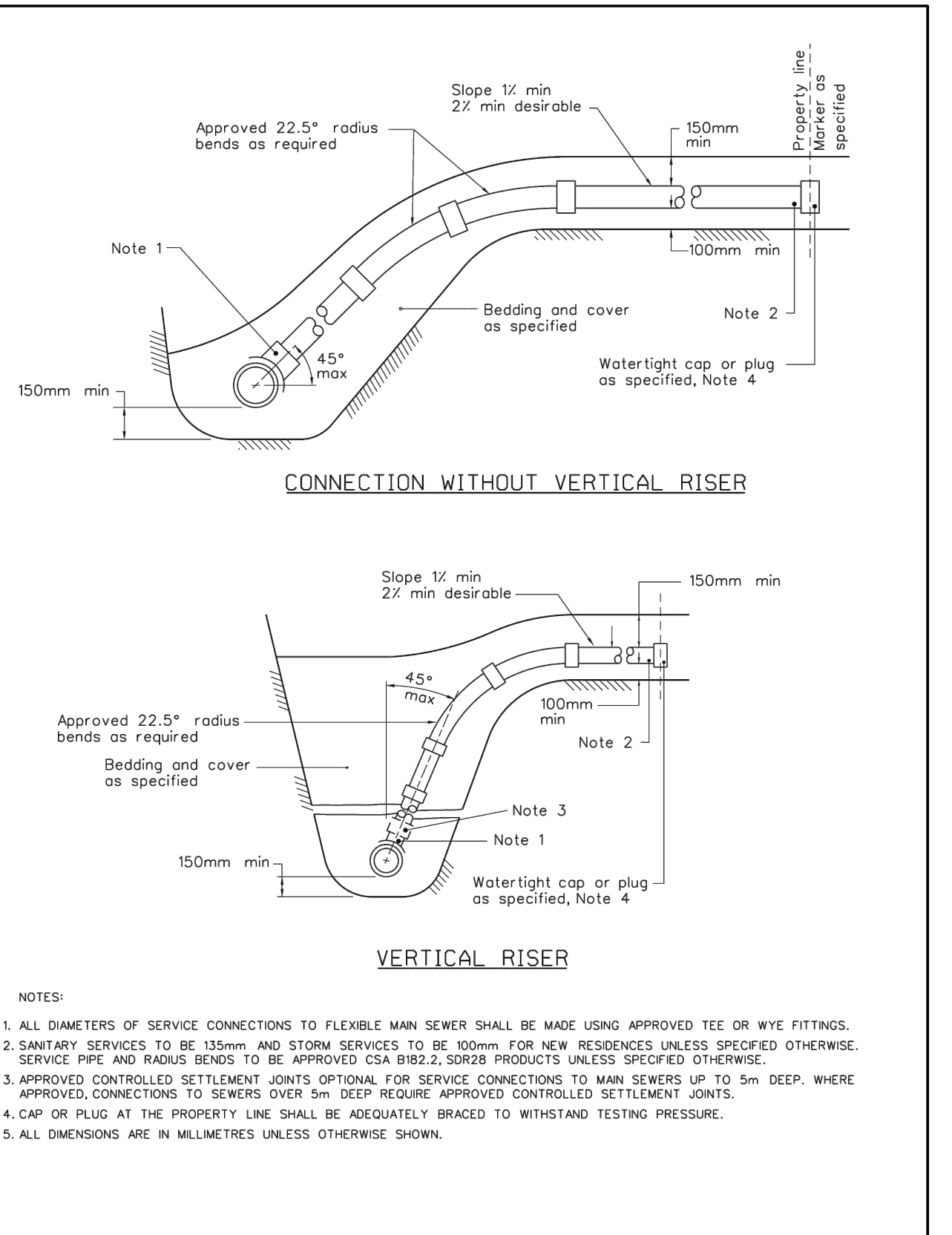
CLAY SEAL FOR PIPE TRENCHES
DATE: MAY 2001
REV: MARCH 2006
DWG. NO.: S8



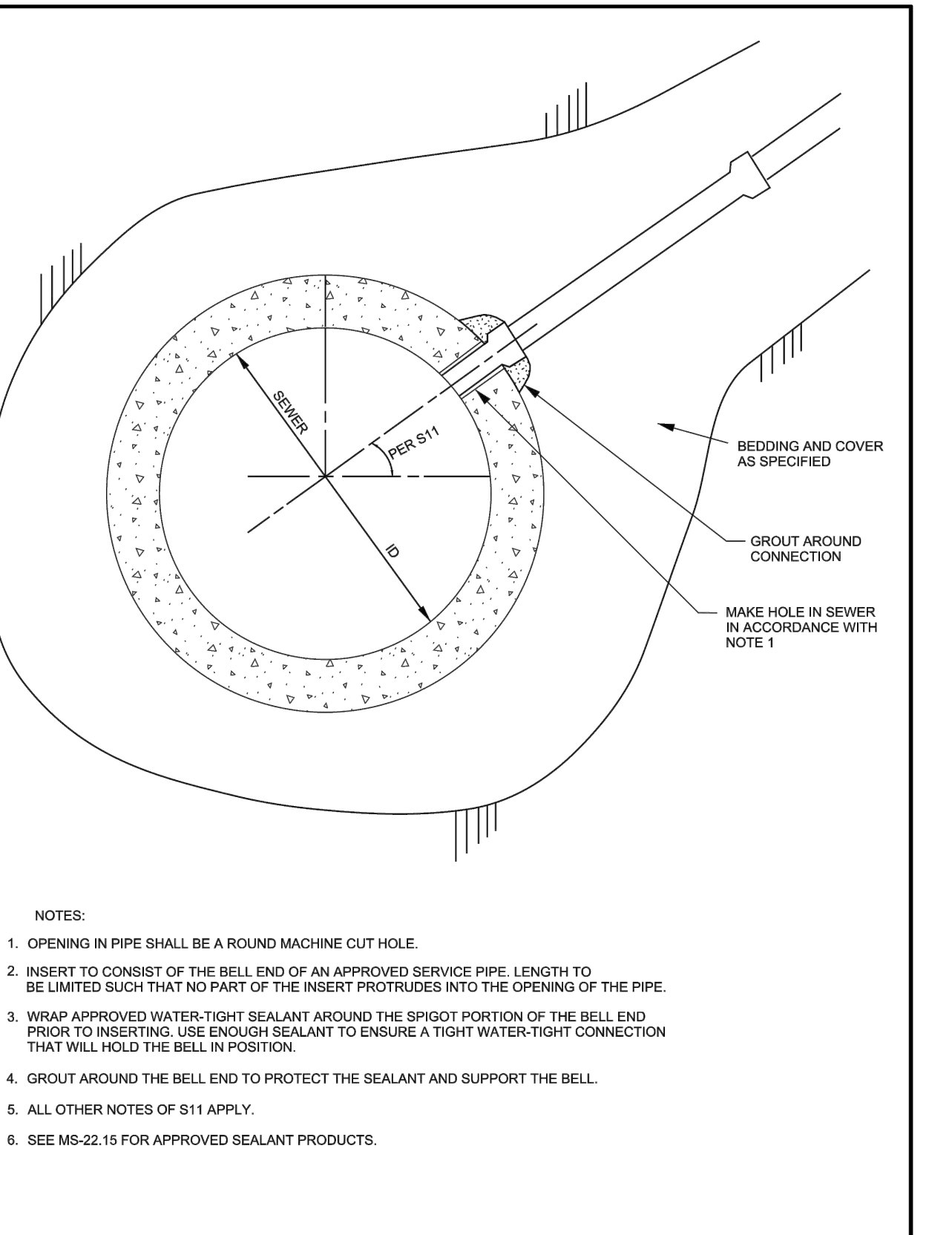
DITCHED PIPE STORM SEWER INSTALLATION
DATE: MAY 2001
REV: MARCH 2007
DWG. NO.: S9



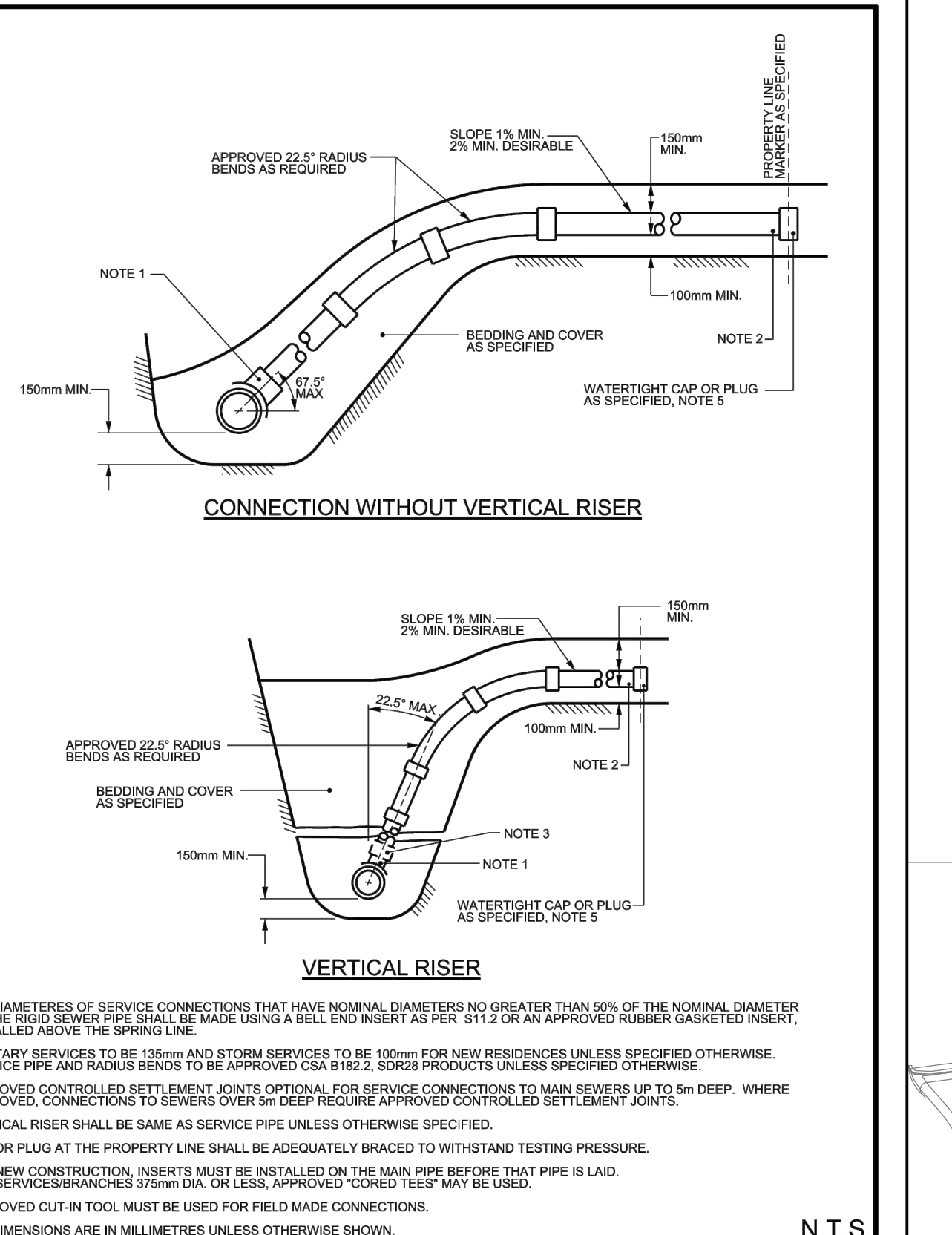
SUPPORT DETAIL FOR EXISTING UTILITY CROSSING SEWER OR WATERMAIN TRENCH
DATE: MAY 2001
REV: MARCH 2007
DWG. NO.: S10



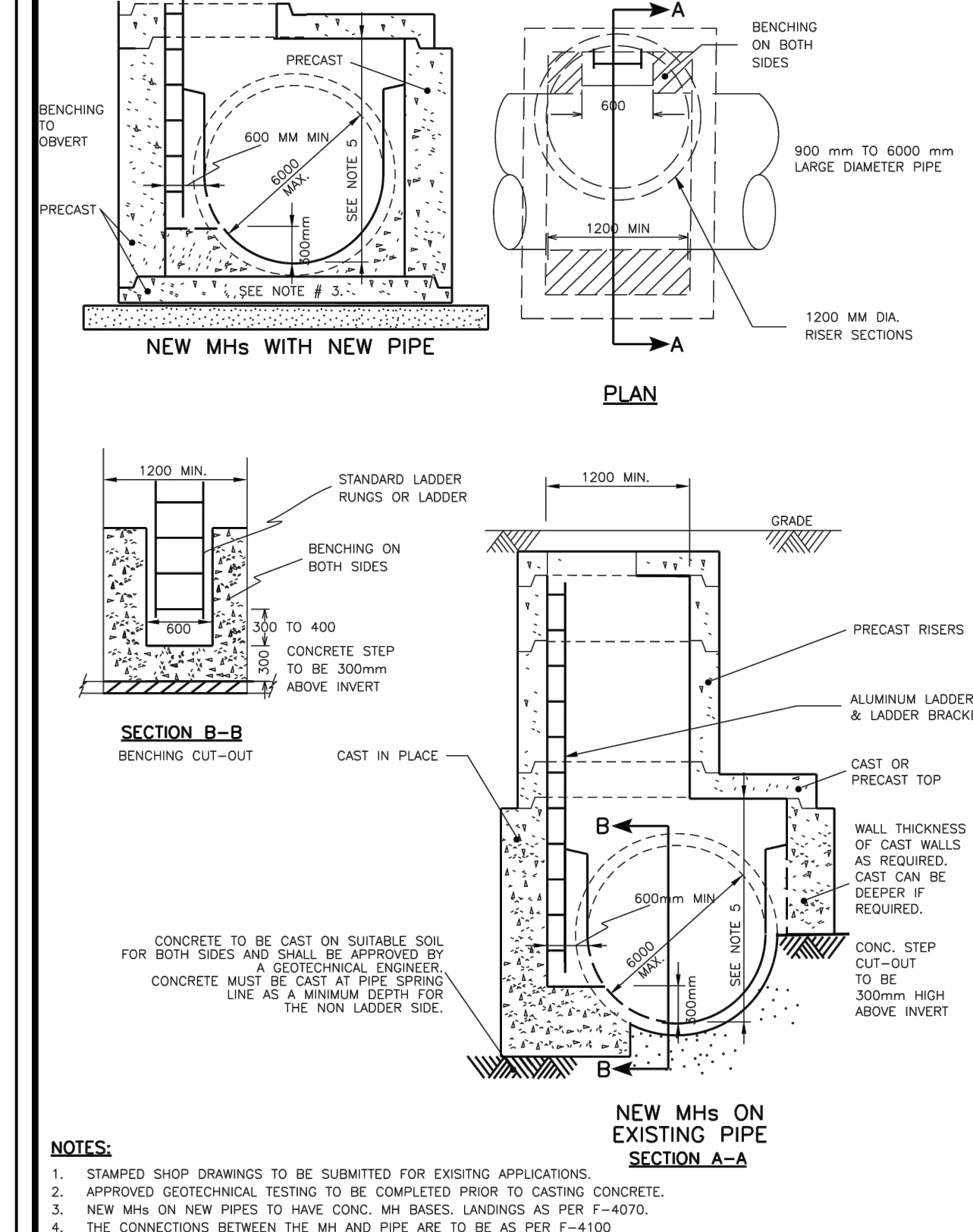
SEWER SERVICE CONNECTIONS FOR FLEXIBLE MAIN SEWER PIPE (MODIFIED OPSD-1006.020)
DATE: MARCH 2008
REV: MARCH 2010
DWG. NO.: S11



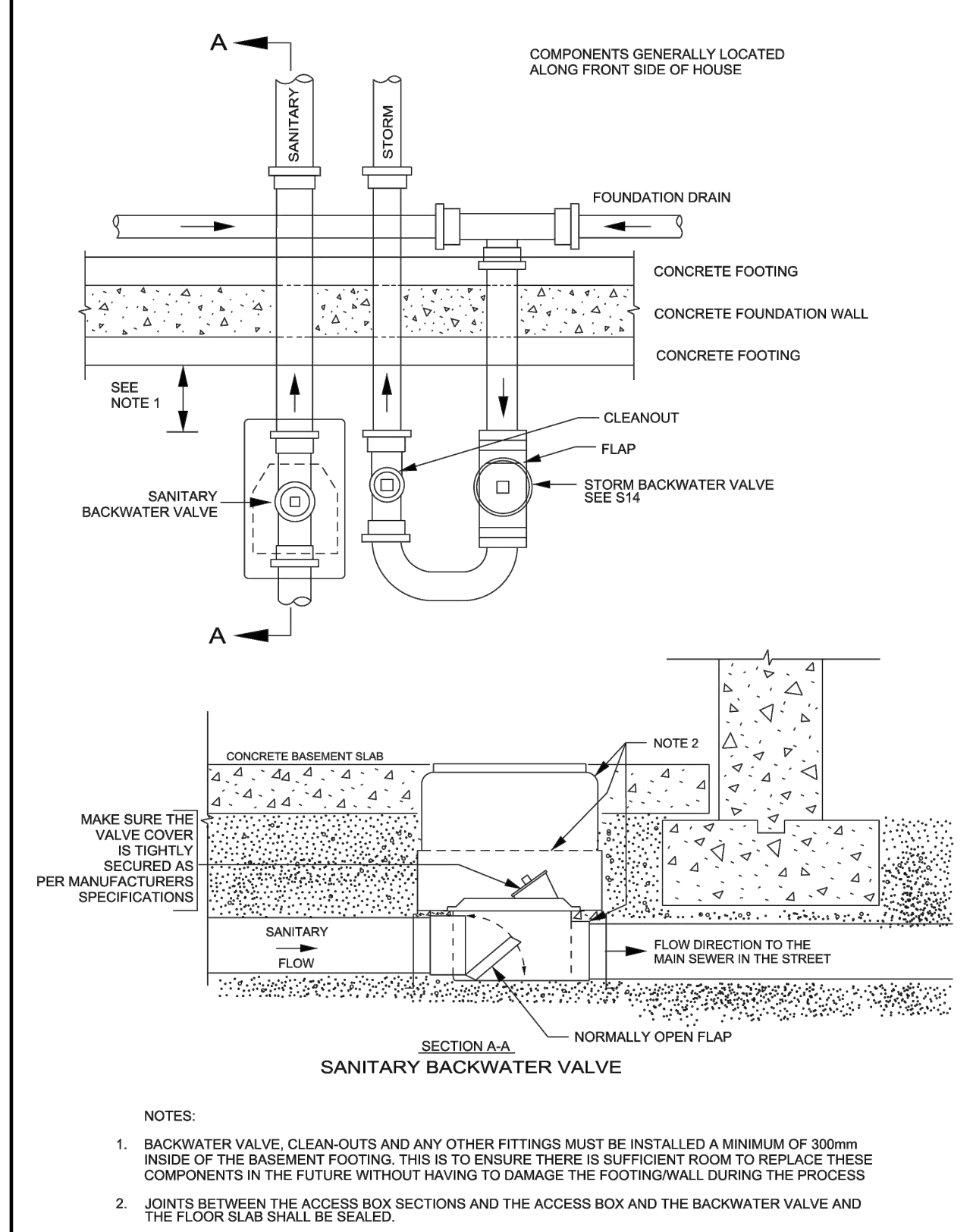
SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE USING BELL END INSERT METHOD
DATE: MARCH 2008
REV: MARCH 2010
DWG. NO.: S12



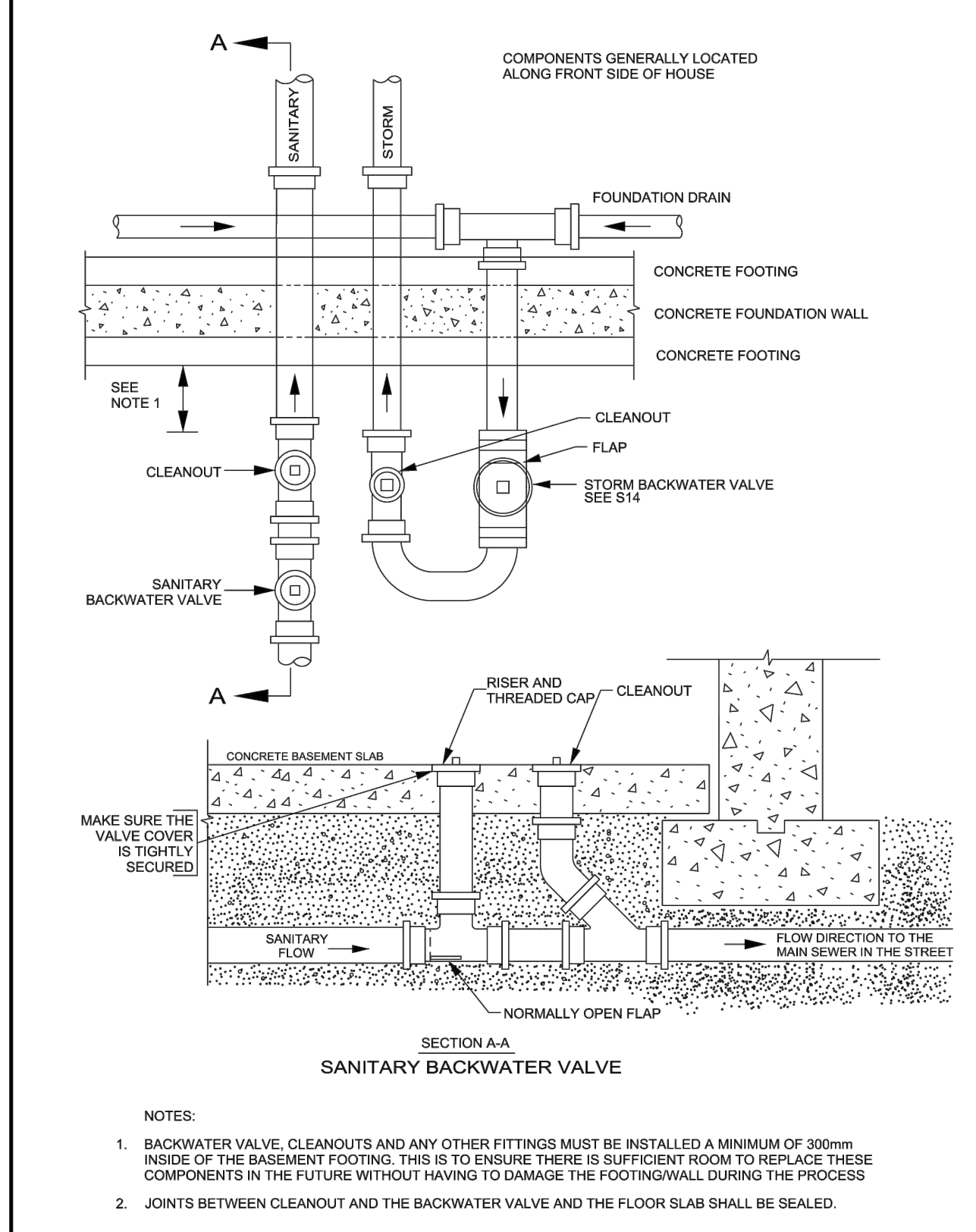
SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010)
DATE: MARCH 2008
REV: MARCH 2010
DWG. NO.: S11



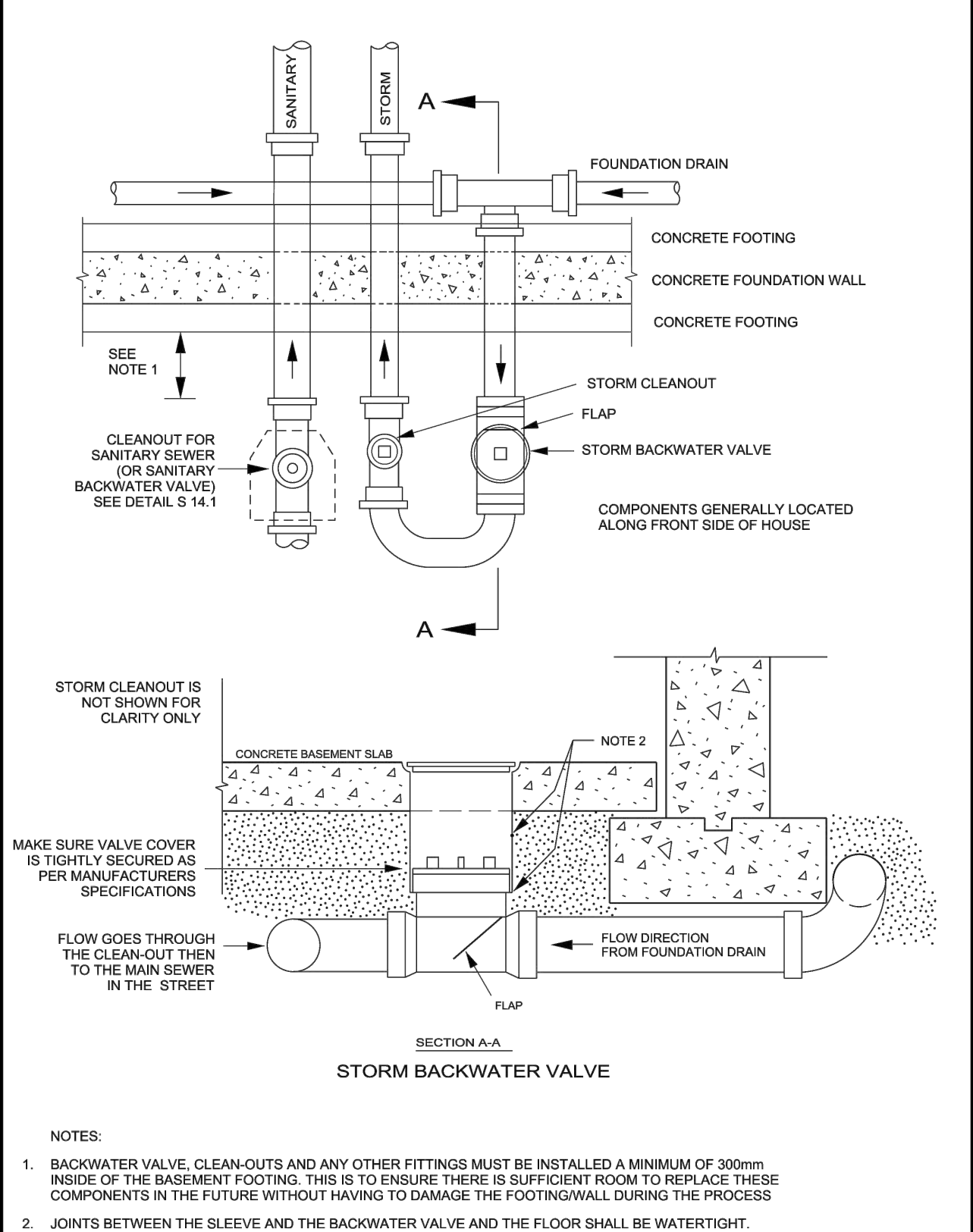
NEW MHS WITH NEW PIPE
DATE: JAN 2009
REV: MARCH 2013
DWG. NO.: S12



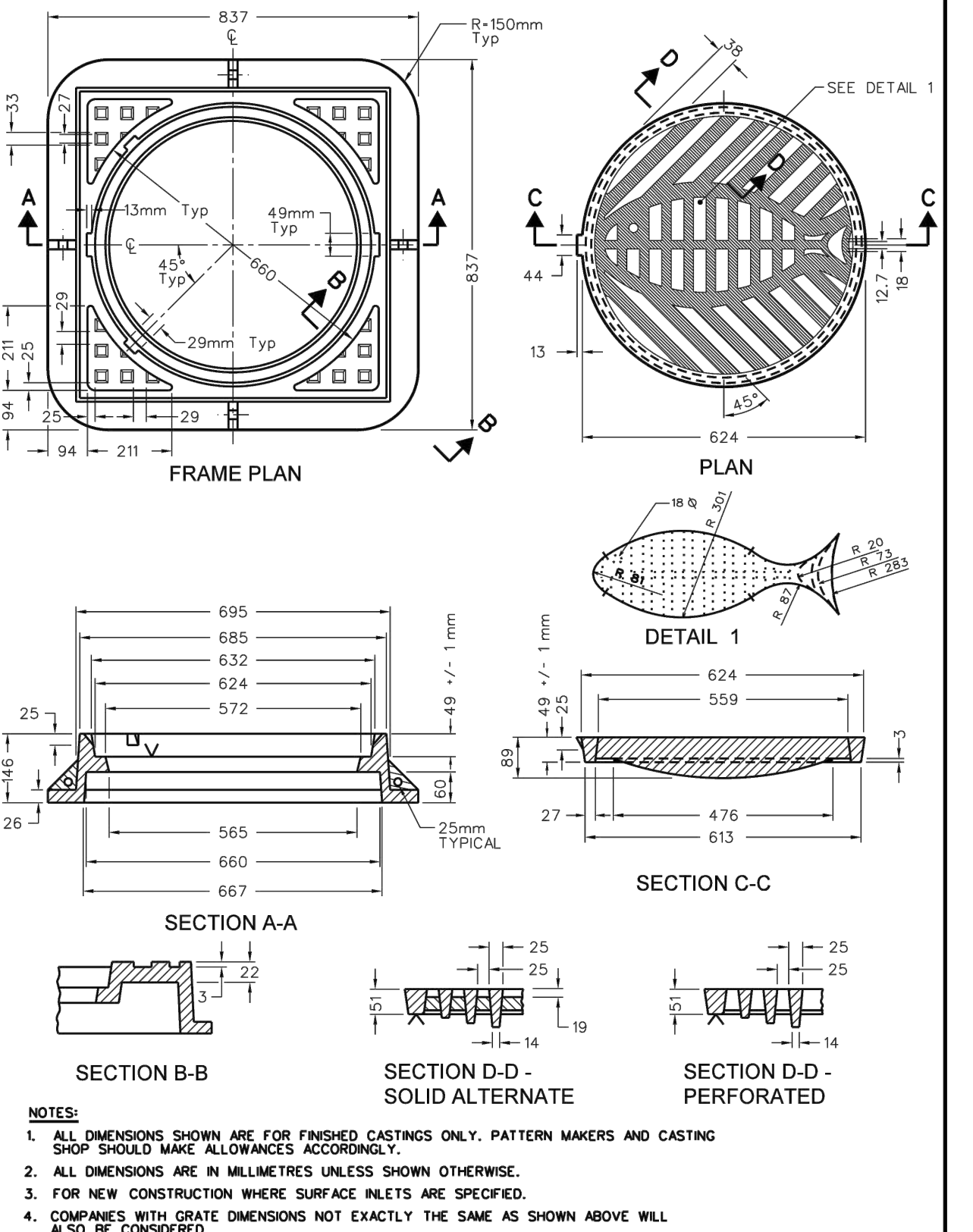
SANITARY BACKWATER VALVE INSTALLATION TYPE 1
DATE: MARCH 2010
REV: MARCH 2011
DWG. NO.: S13



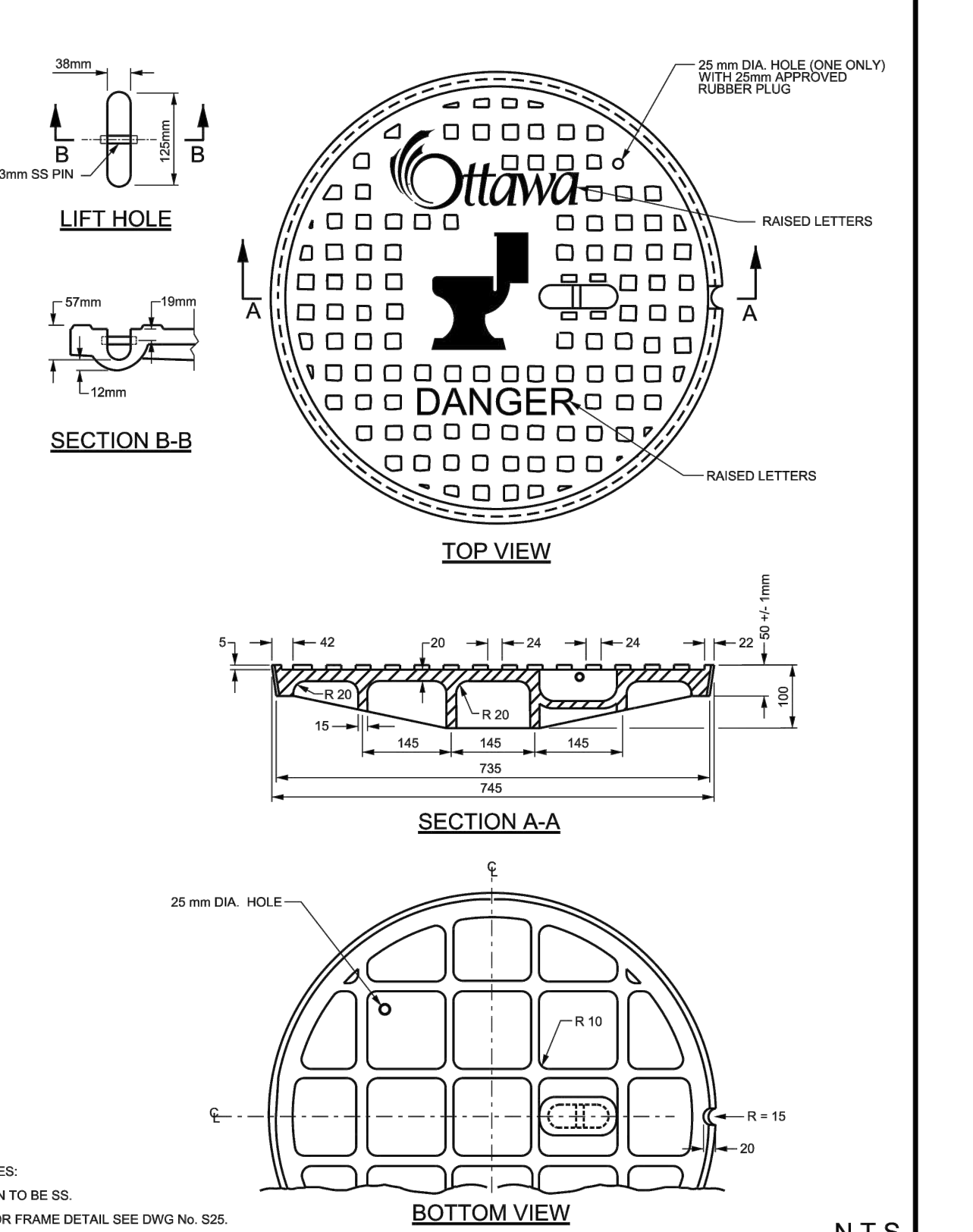
SANITARY BACKWATER VALVE INSTALLATION TYPE 2
DATE: MARCH 2010
REV: MARCH 2011
DWG. NO.: S14



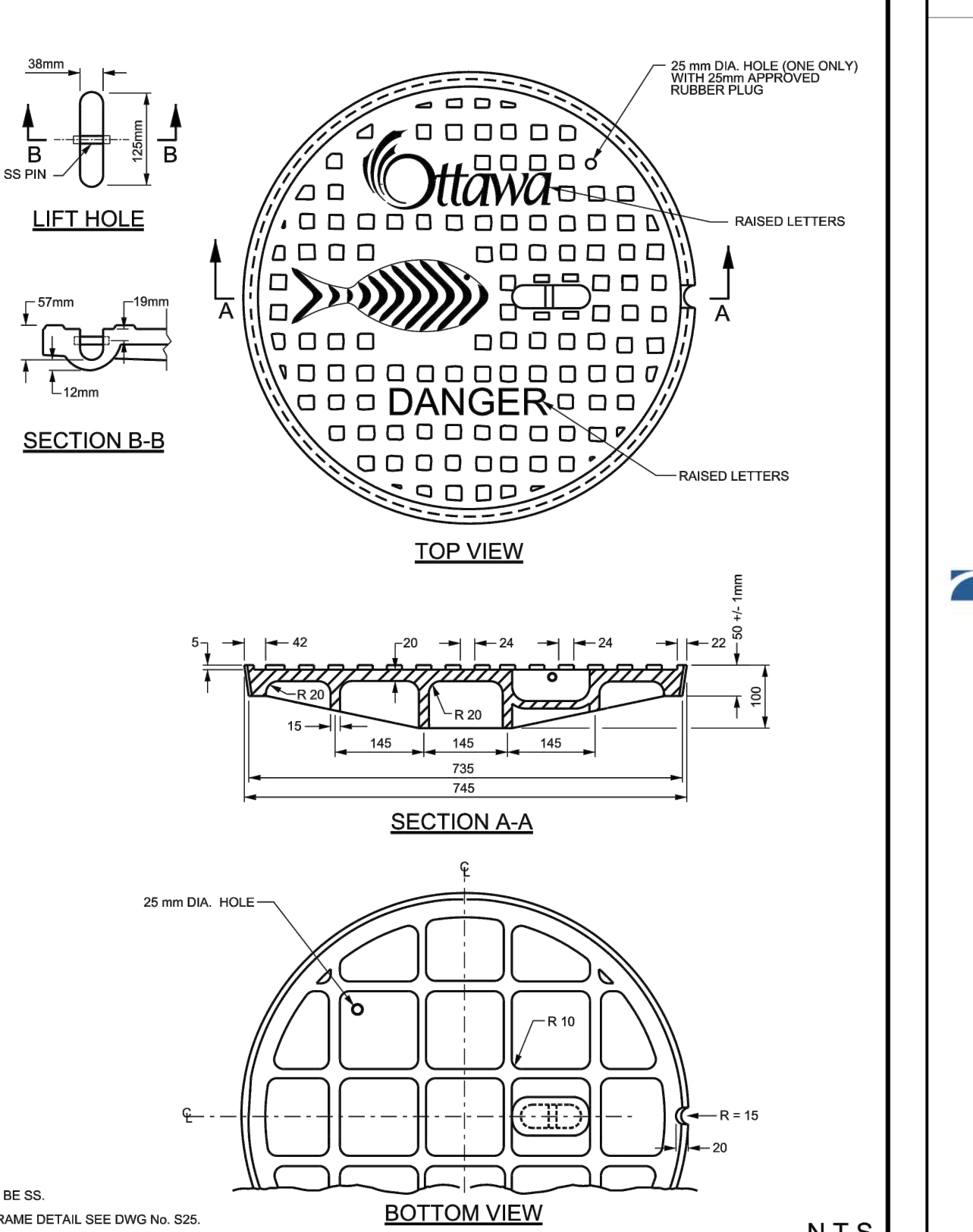
FOUNDATION DRAIN BACKWATER VALVE INSTALLATION
DATE: MARCH 2010
REV: MARCH 2011
DWG. NO.: S14



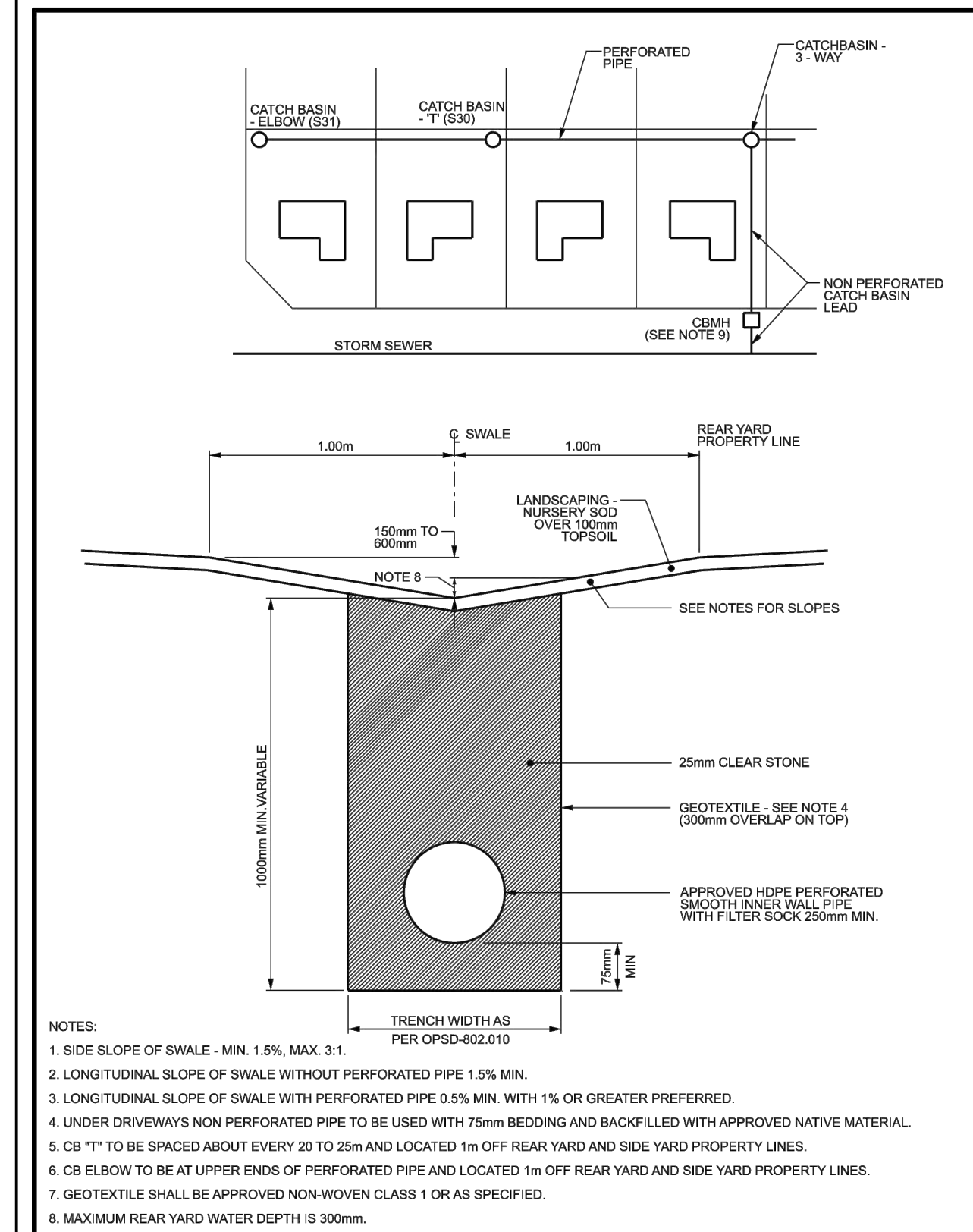
HEAVY DUTY 'FISH' TYPE ROUND CATCH BASIN COVER (MODIFIED OPSD-400.07)
DATE: MAY 2009
REV: MARCH 2017
DWG. NO.: S19



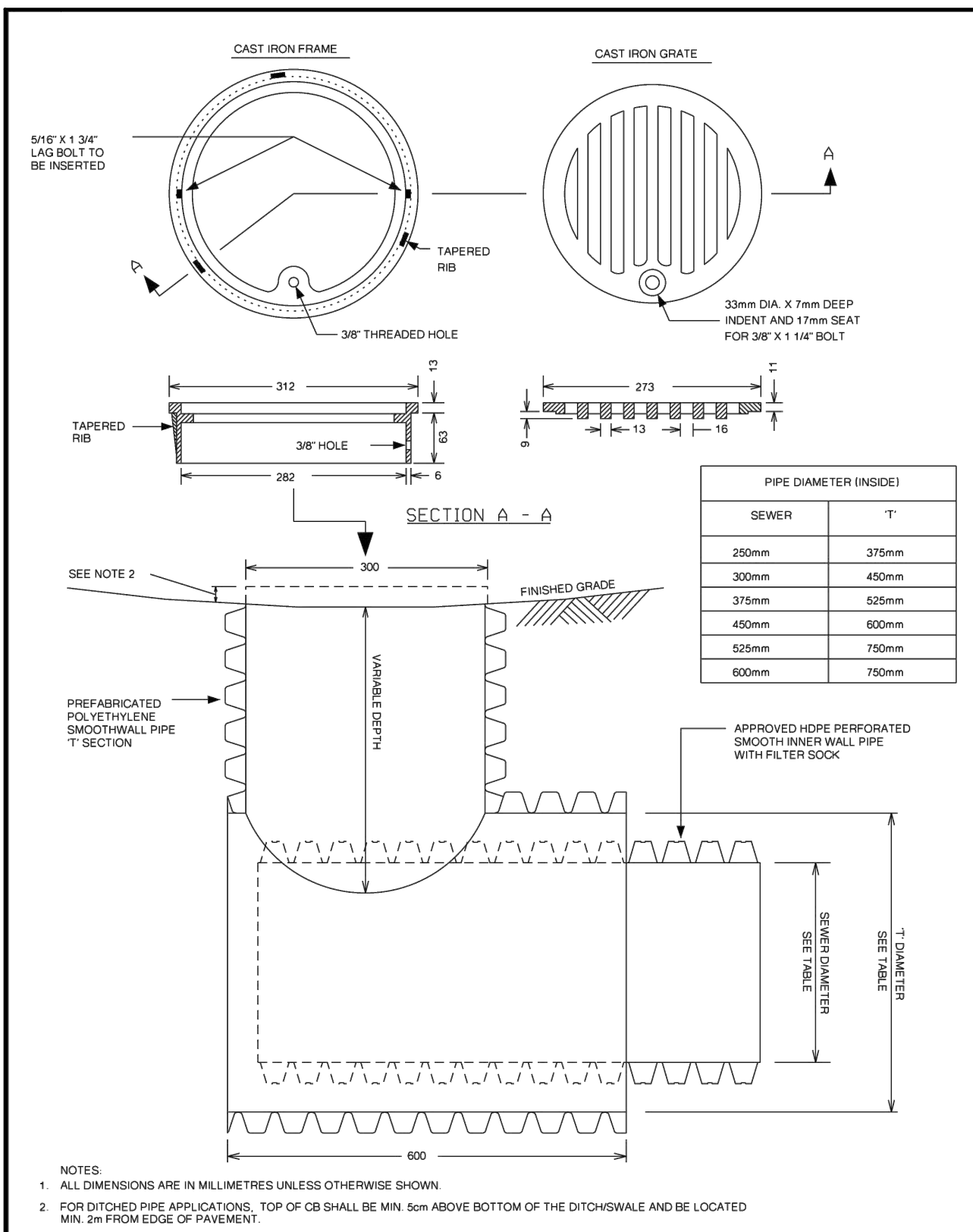
STANDARD CIRCULAR SANITARY & COMBINED MAINTENANCE HOLE COVER
DATE: MARCH 2008
REV: MARCH 2017
DWG. NO.: S24



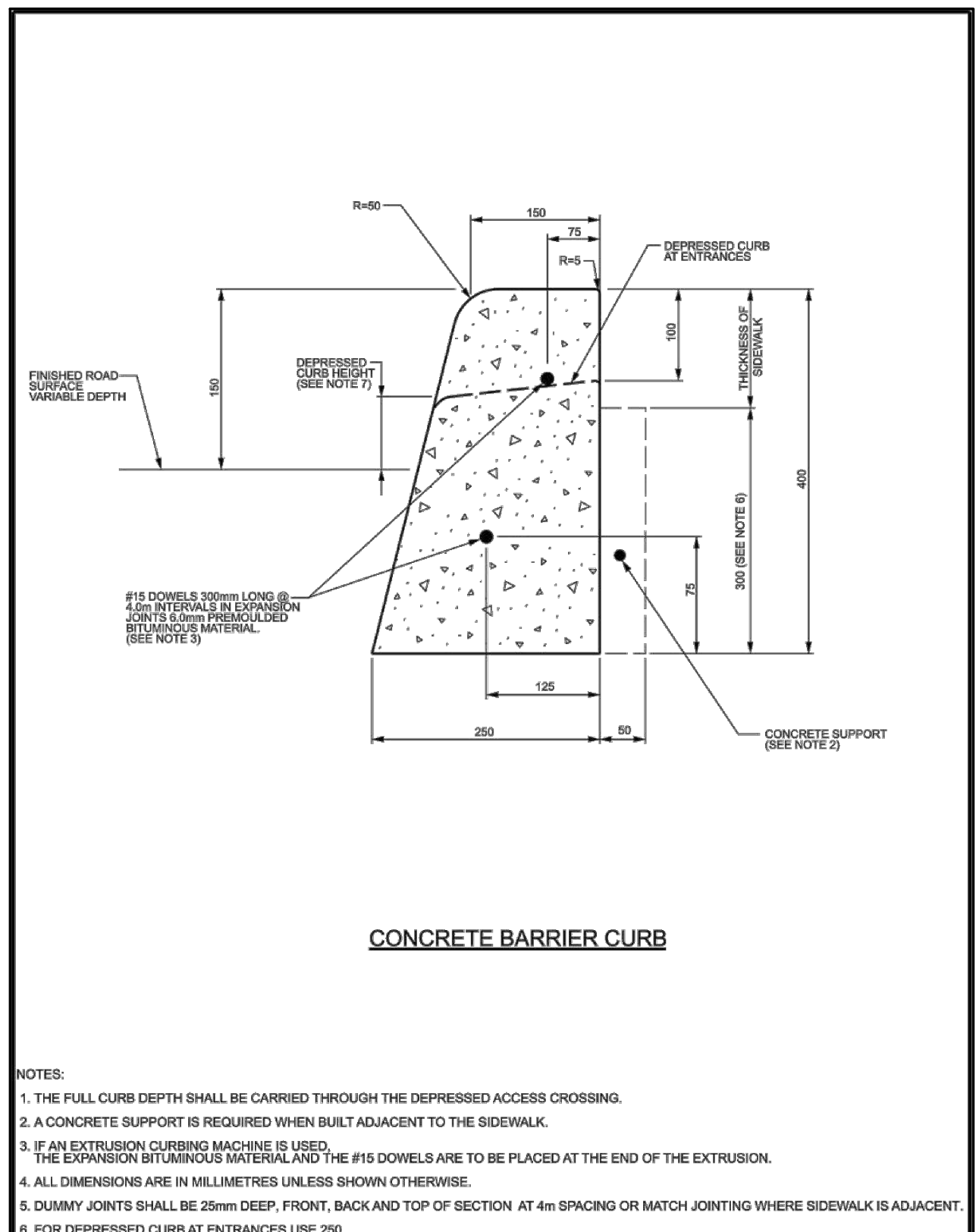
STANDARD CIRCULAR STORM MAINTENANCE HOLE COVER
DATE: MARCH 2008
REV: MARCH 2017
DWG. NO.: S24.1



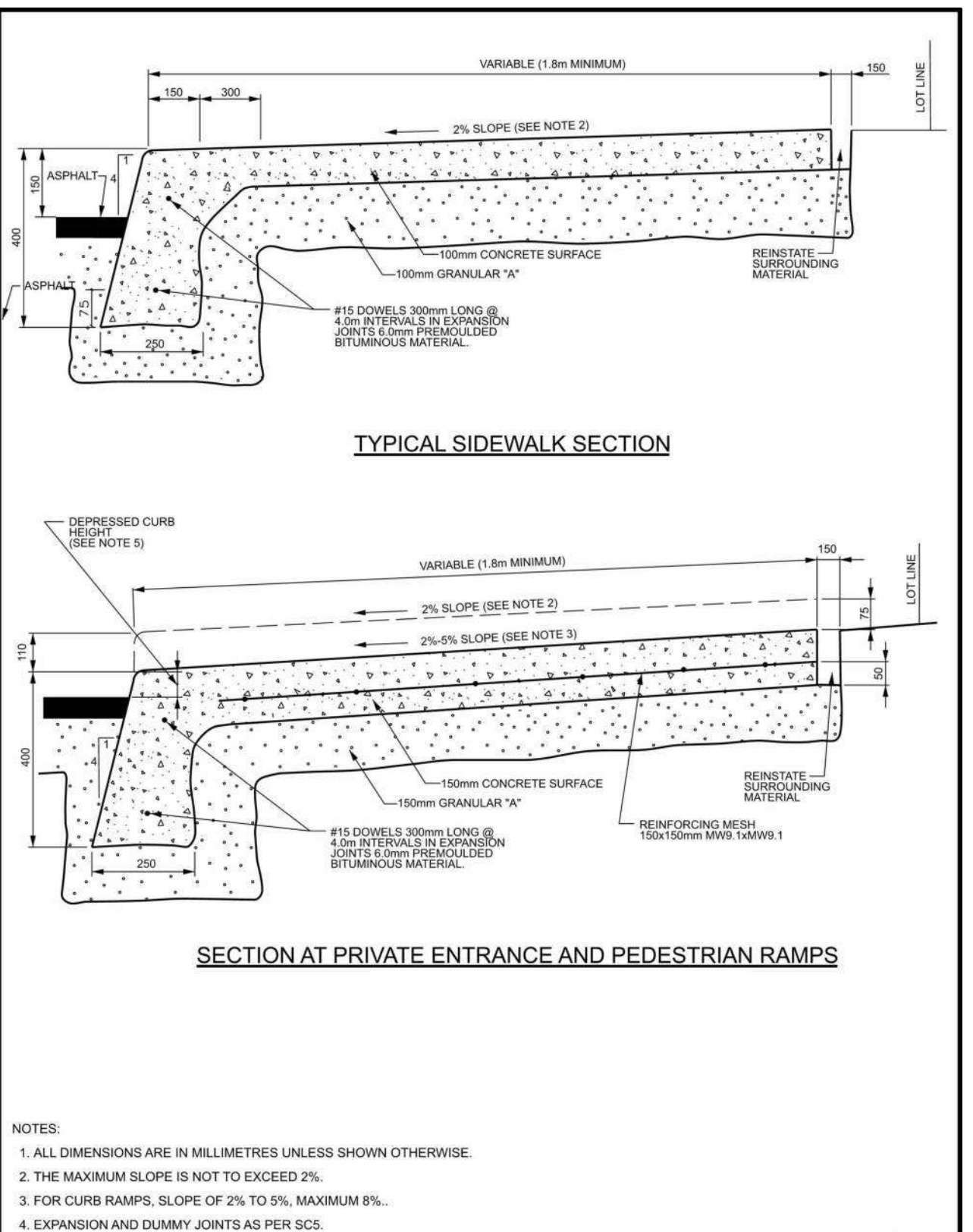
PERFORATED PIPE INSTALLATION FOR REAR YARD AND LANDSCAPING APPLICATIONS
DATE: MARCH 2007
REV: MARCH 2011
DWG. NO.: S29



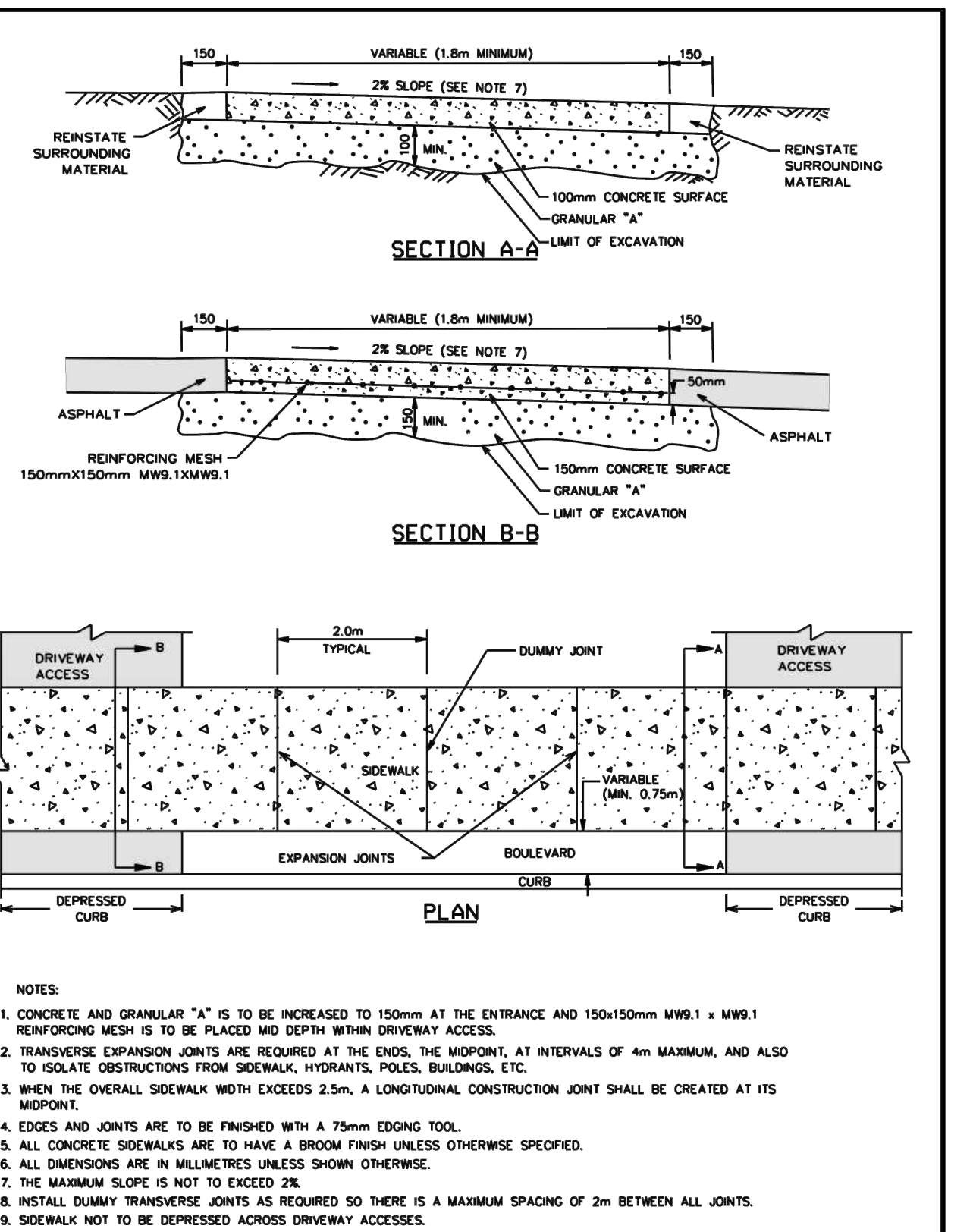
CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS
DATE: MARCH 2007
REV: MARCH 2011
DWG. NO.: S31



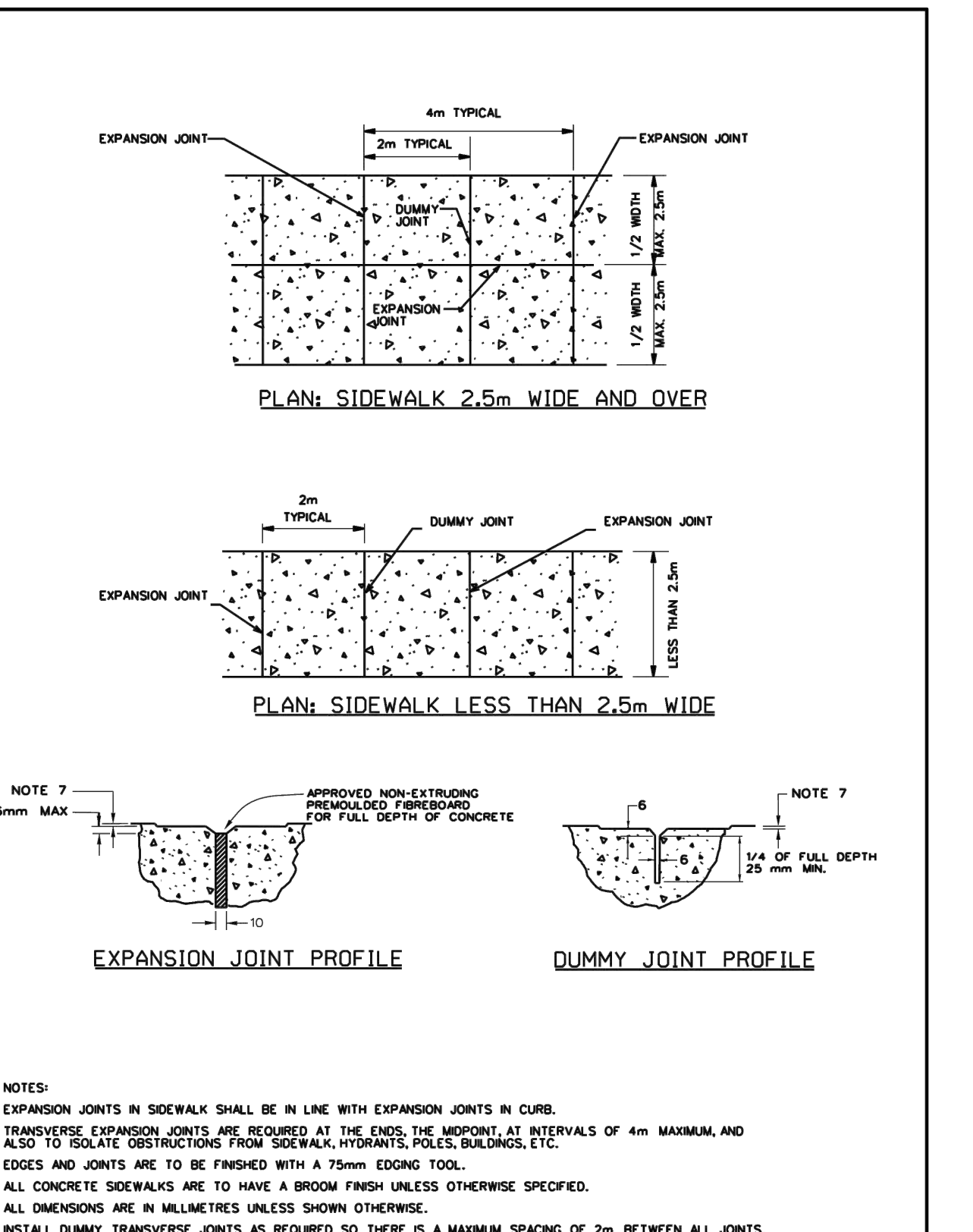
CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)
DATE: JANUARY 2003
REV: MARCH 2011
DWG. NO.: SC1



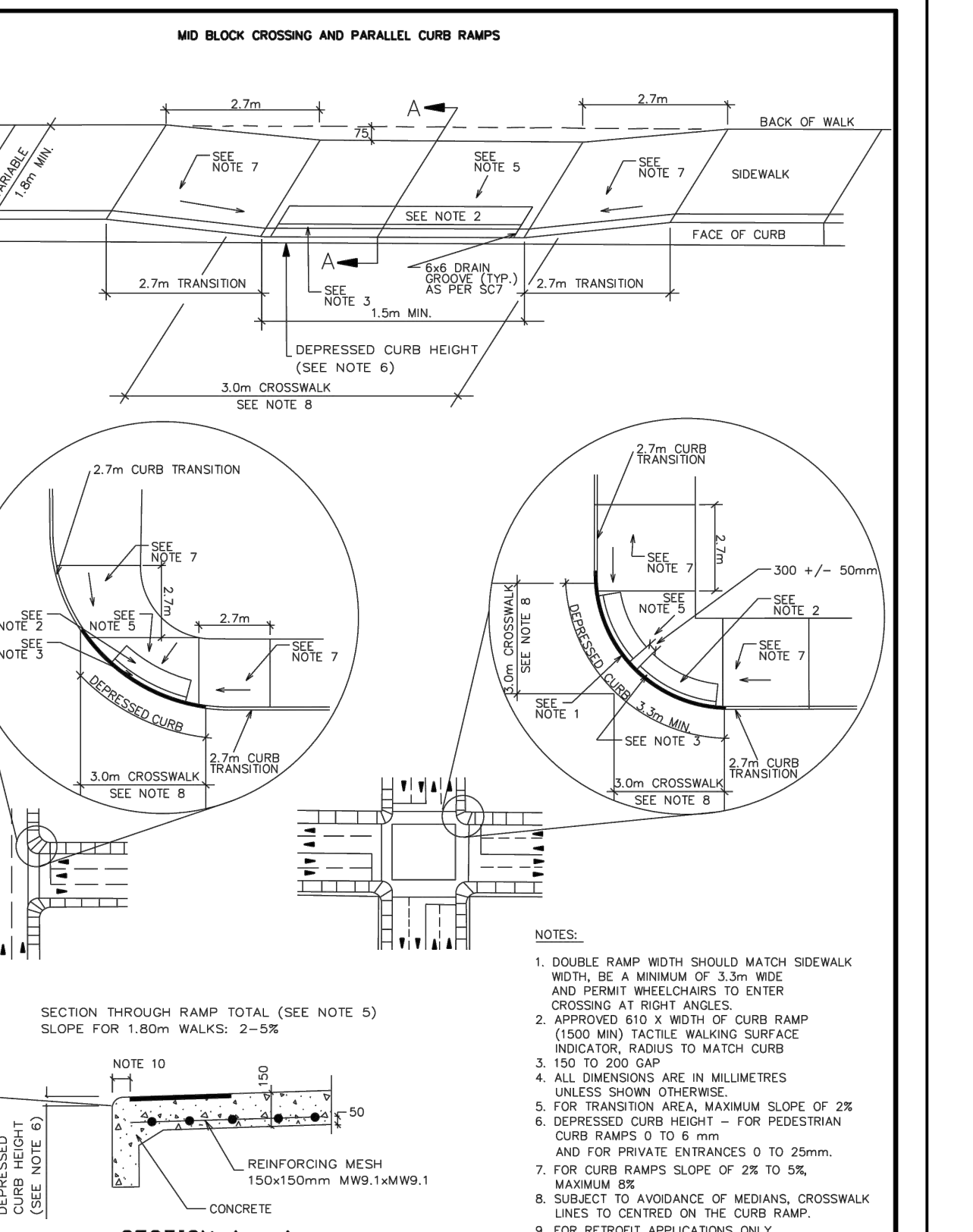
MONOLITHIC CONCRETE CURB AND SIDEWALK
DATE: MAY 2001
REV: MAY 2012
DWG. NO.: SC2



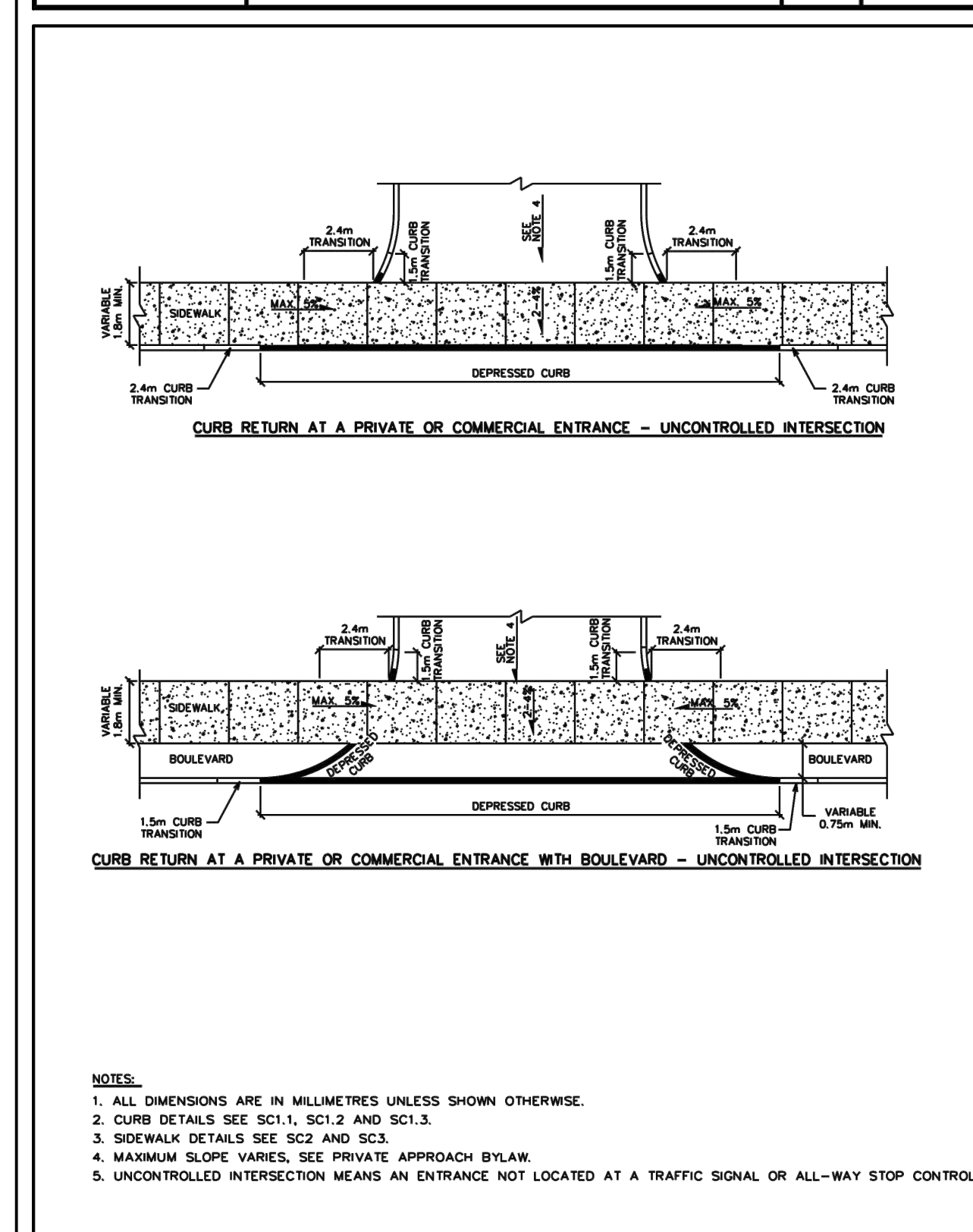
TYPICAL CONCRETE SIDEWALK IN BOULEVARD
DATE: MAY 2001
REV: MARCH 2018
DWG. NO.: SC4



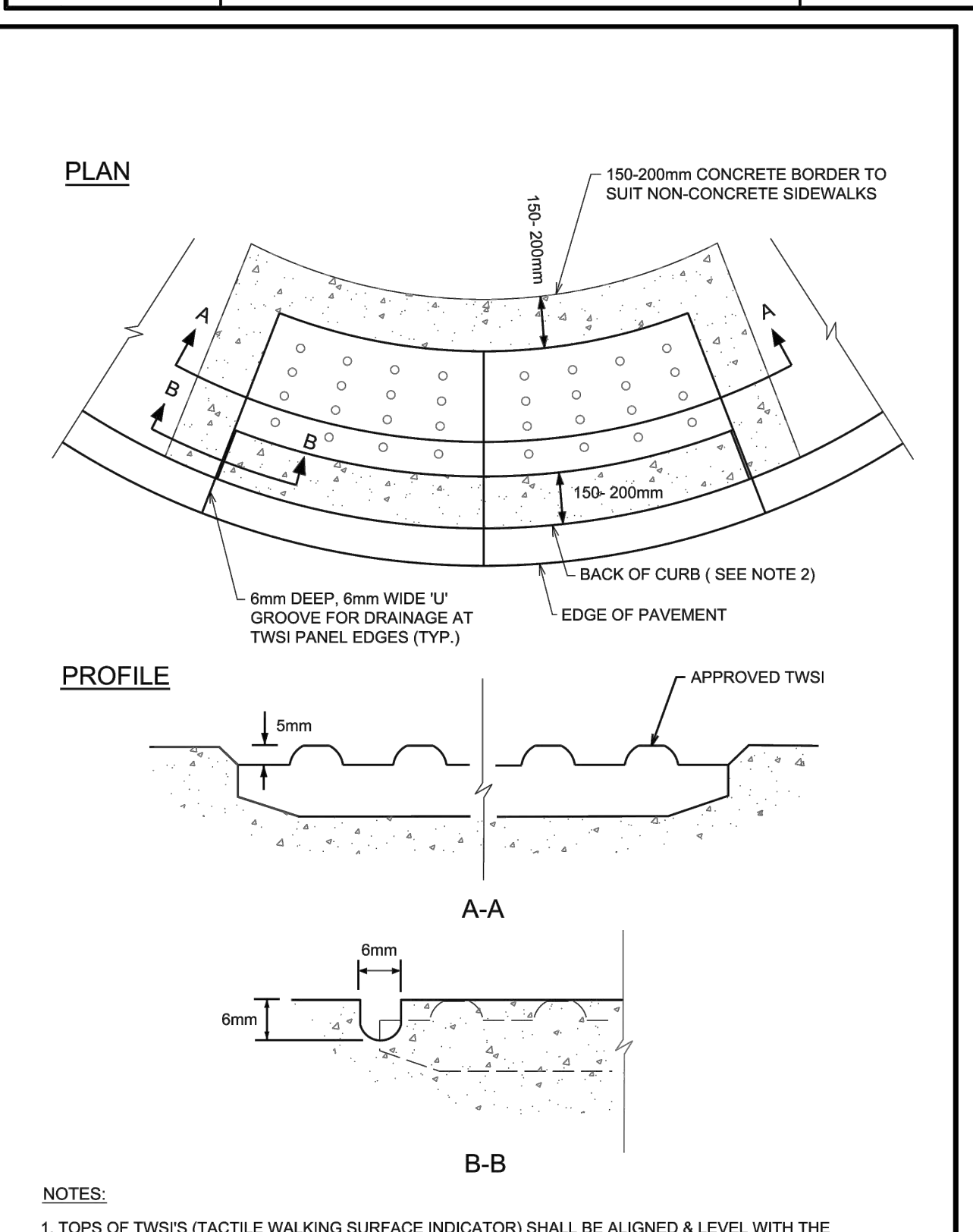
SIDEWALK CONSTRUCTION JOINTS
DATE: MAY 2001
REV: MARCH 2018
DWG. NO.: SC5



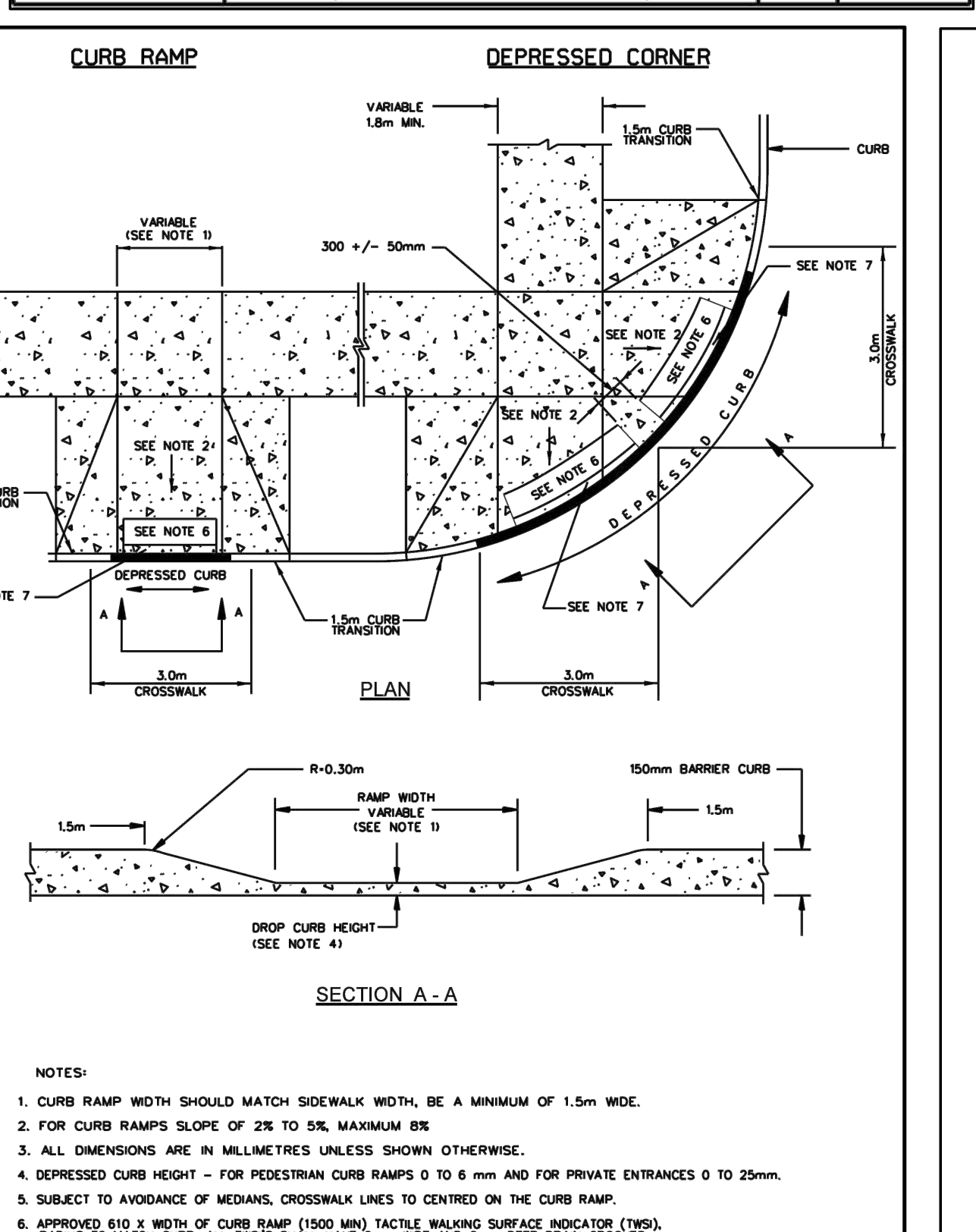
PEDESTRIAN CURB RAMP WITHOUT BOULEVARD
DATE: MAY 2001
REV: MARCH 2018
DWG. NO.: SC6



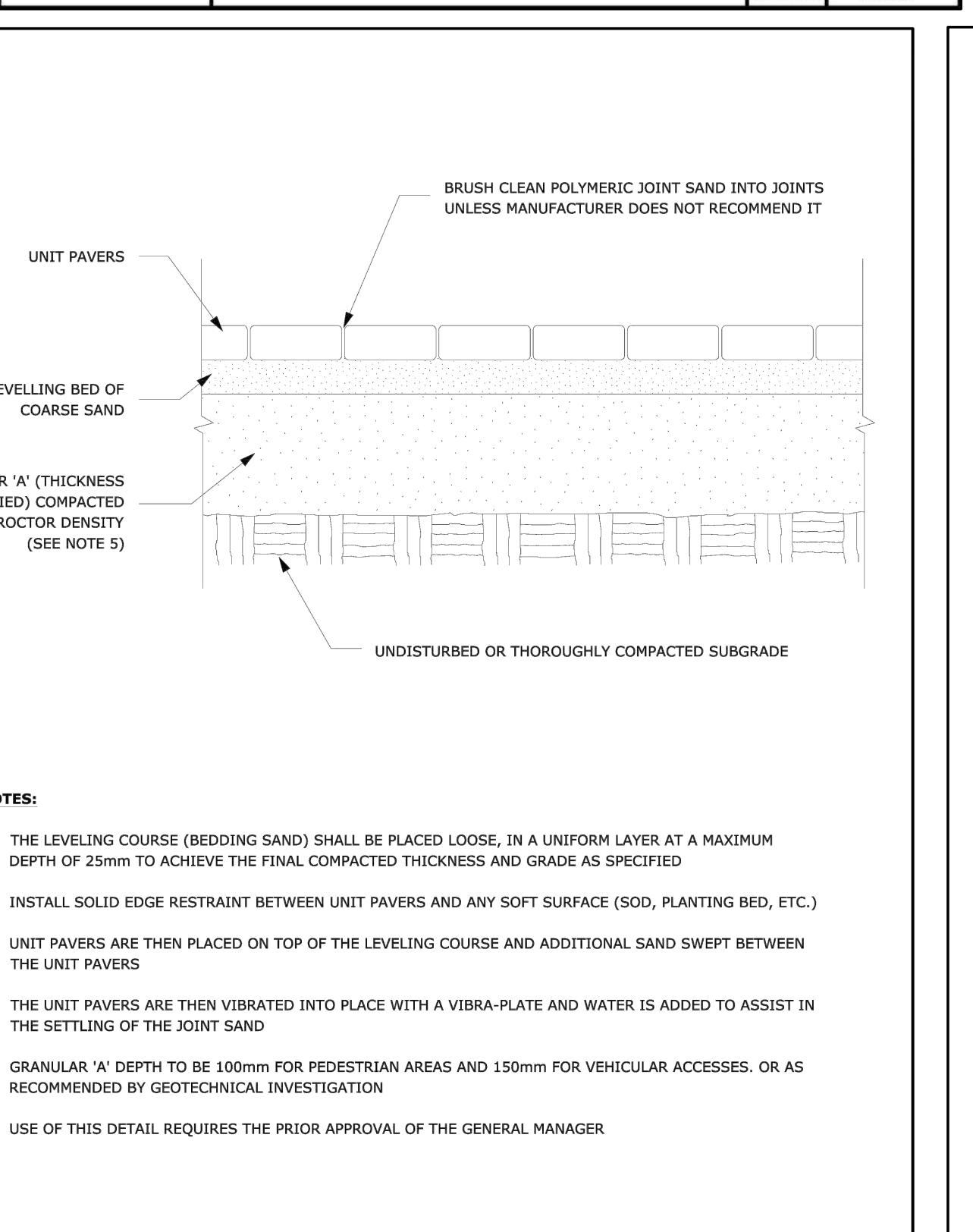
CURB RETURN ENTRANCES
DATE: MARCH 2007
REV: MARCH 2011
DWG. NO.: SC7.1



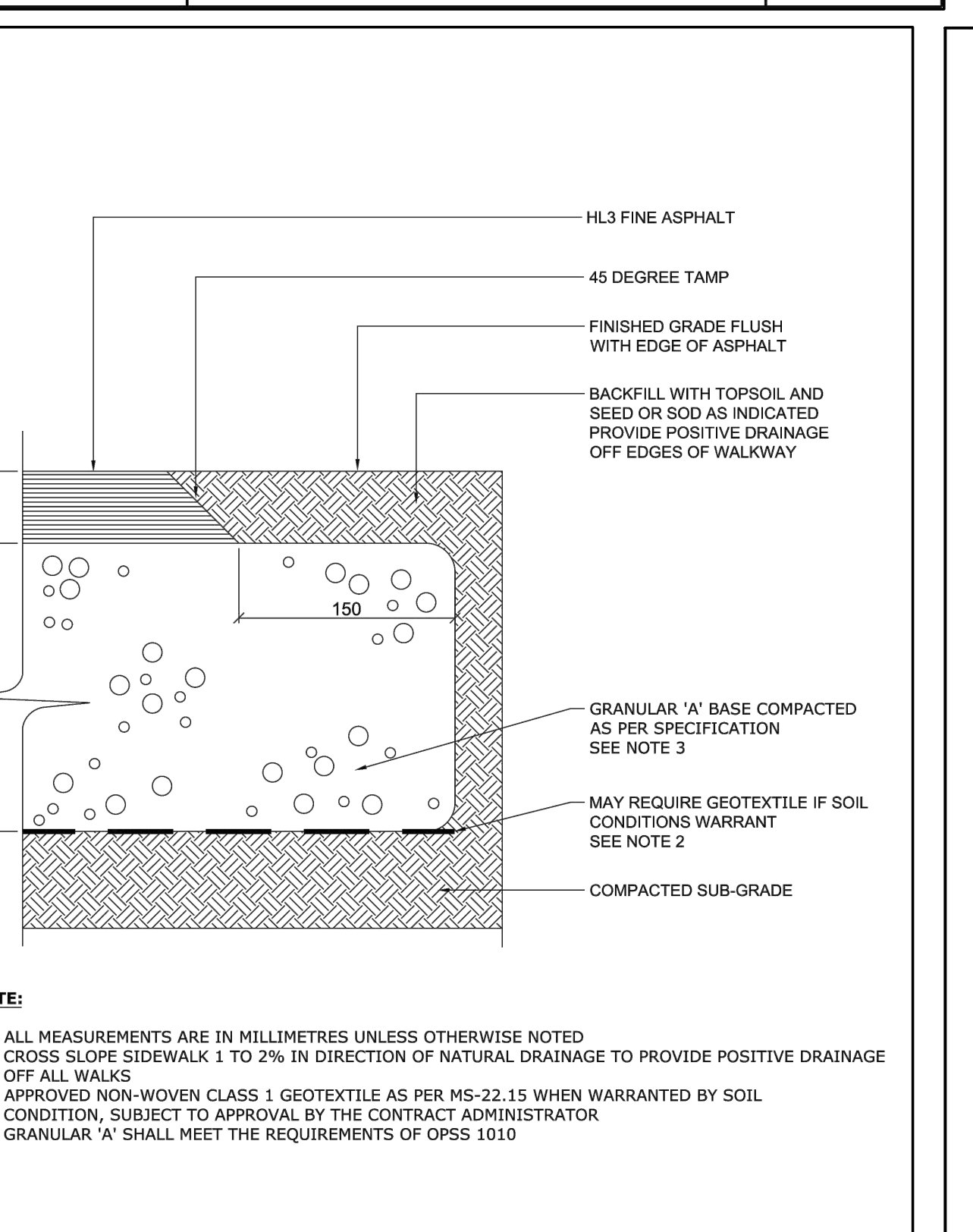
TWSI DETAIL
DATE: MARCH 2007
REV: MARCH 2011
DWG. NO.: SC7.3



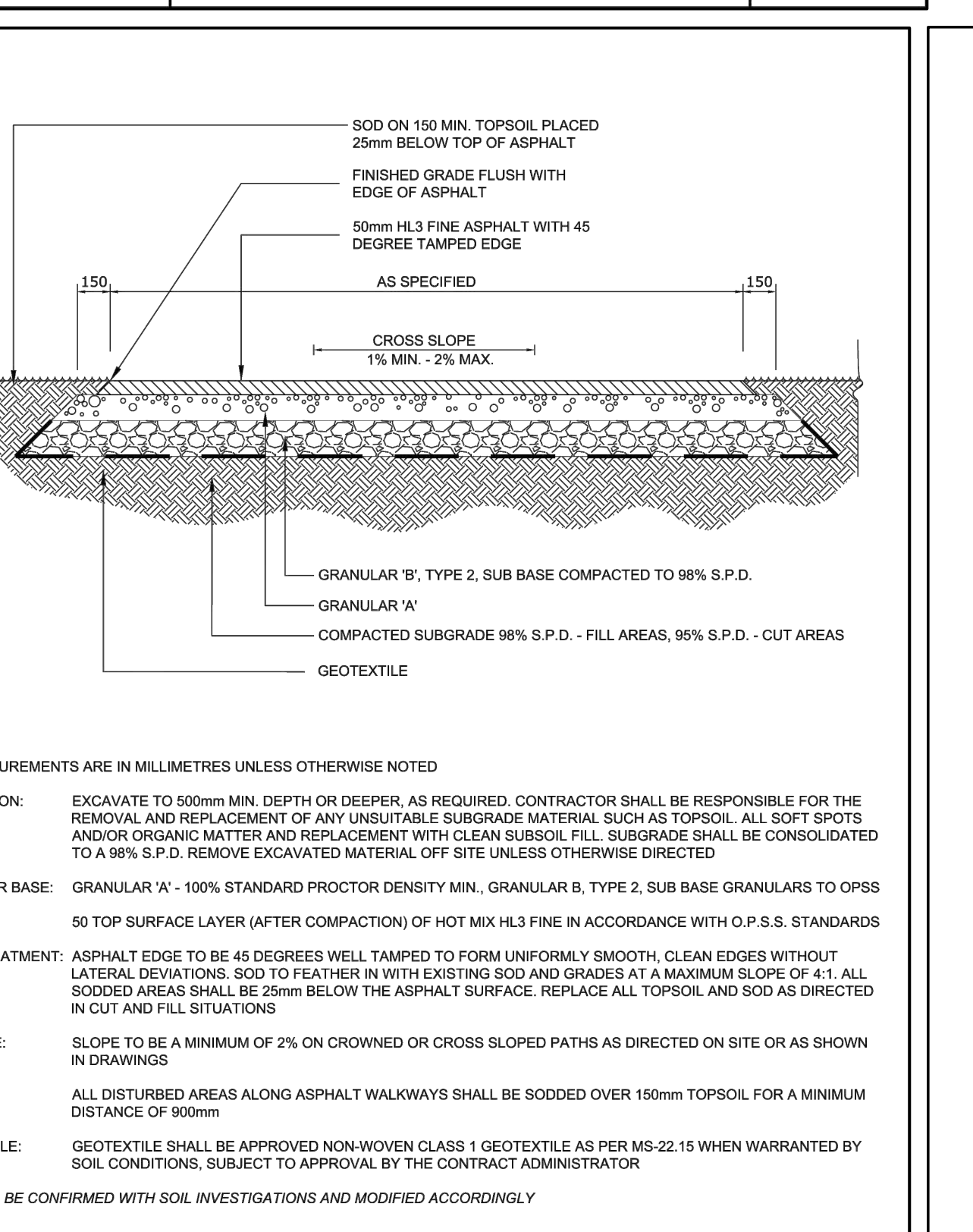
PEDESTRIAN CURB RAMP WITH BOULEVARD
DATE: MAY 2001
REV: MARCH 2017
DWG. NO.: SC7



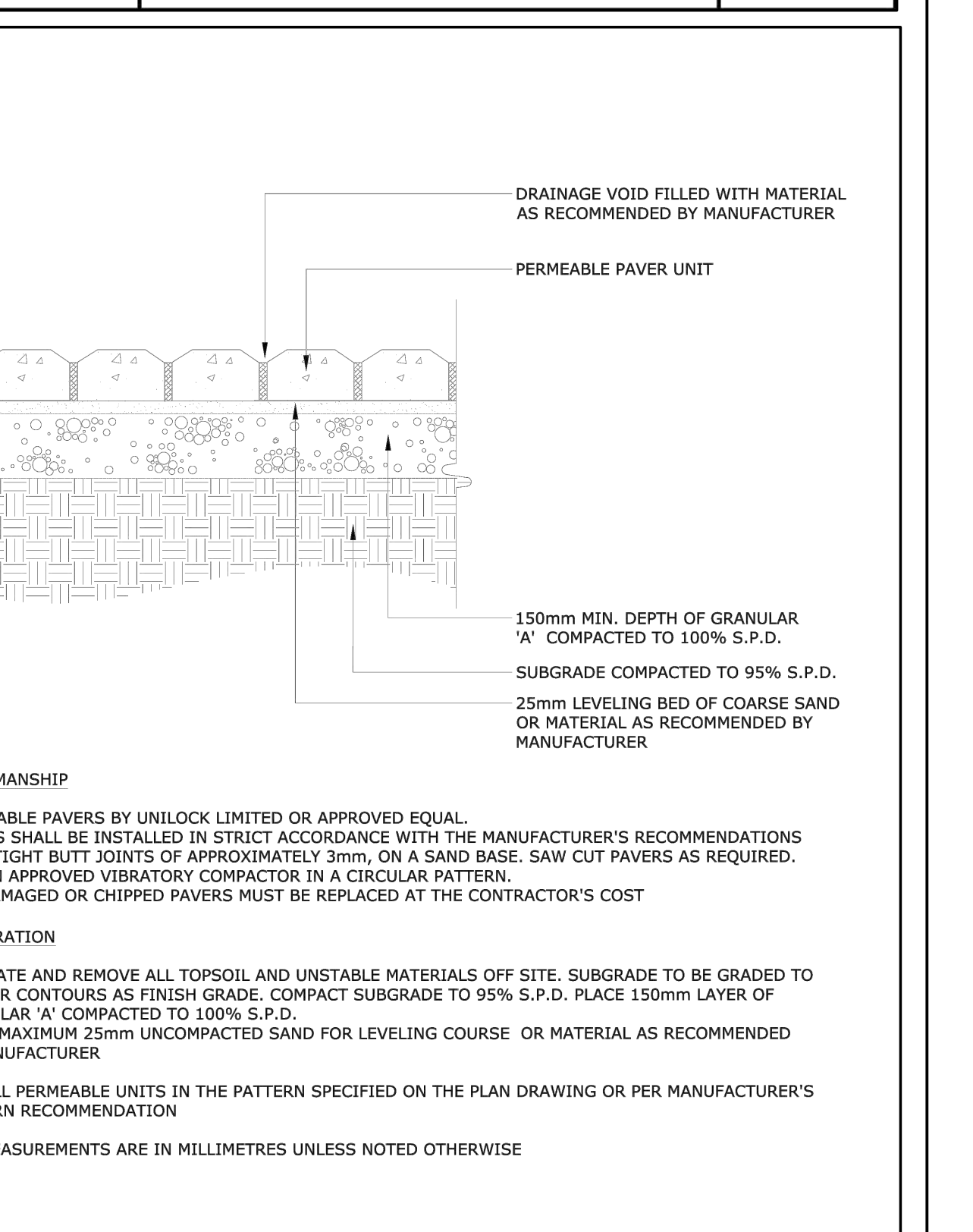
UNIT PAVING - ON GRANULAR BASE
DATE: MAY 2001
REV: FEB 2016
DWG. NO.: SC9



ASPHALT WALKWAY
DATE: FEB 2013
REV: FEB 2016
DWG. NO.: SC20



ASPHALT WALKWAY / SERVICE ACCESS - HALF DUTY
DATE: FEB 2013
REV: FEB 2016
DWG. NO.: SC21



PERMEABLE PAVING
DATE: FEB 2013
REV: FEB 2016
DWG. NO.: SC27

MARK	DATE	DESCRIPTION
01	2022-09-23	ISSUED FOR PRE-CONSTRUCTION
02	2022-10-26	DRAFT FOR RFP
03	2022-11-30	ISSUED FOR SPC & FLUIDA - 1ST SUBMISSION
04	2022-12-02	ISSUED FOR SPC & FLUIDA - 2ND SUBMISSION
05	2023-02-24	ISSUED FOR RFP VERSION 1.0
06	2023-04-12	RE-ISSUED FOR SPC & FLUIDA

Project Manager	MR JEG
Project Designer	JEG
Landscape Architect	JEG
Civil Engineer	JEG
Structural Engineer	PARSONS
Mechanical Engineer	ENR
Electrical Engineer	Smith + Anderson
Interior Designer	Smith + Anderson
Equipment Planner	Smith + Anderson
Shedding	Collins

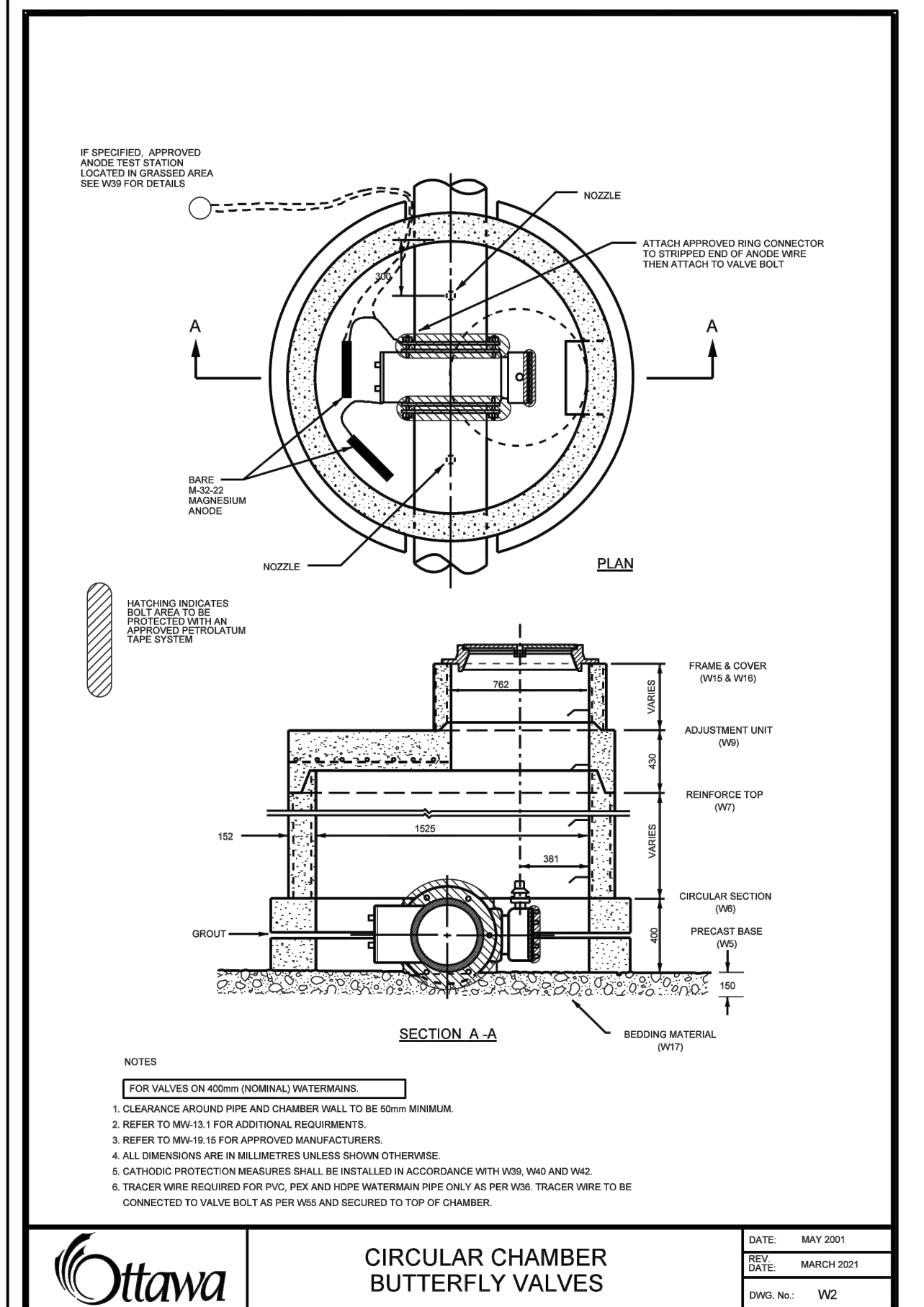
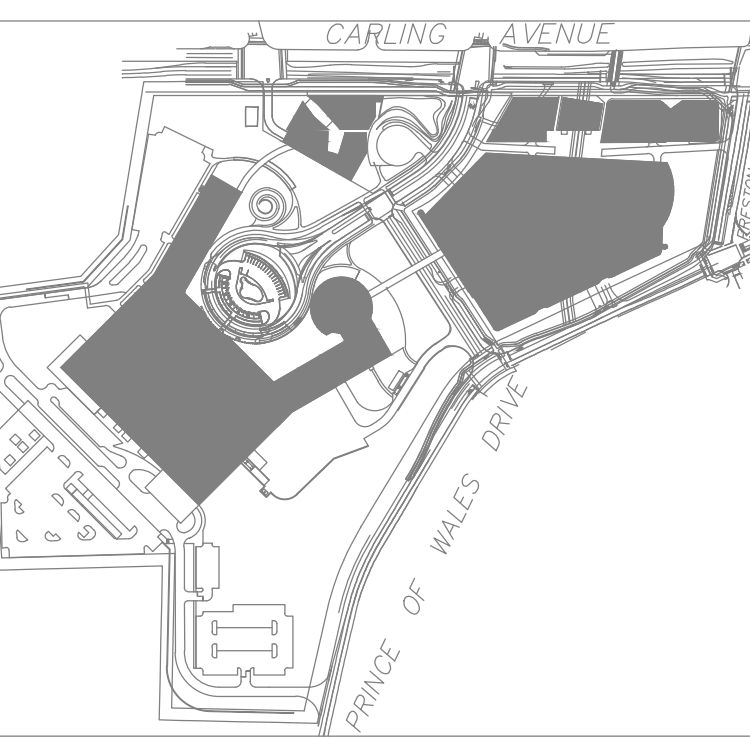
Project Number	1033960
Original Issue	04/11/22
Date	2022-02-22/0168
File Name	18991

PRELIMINARY
NOT FOR CONSTRUCTION

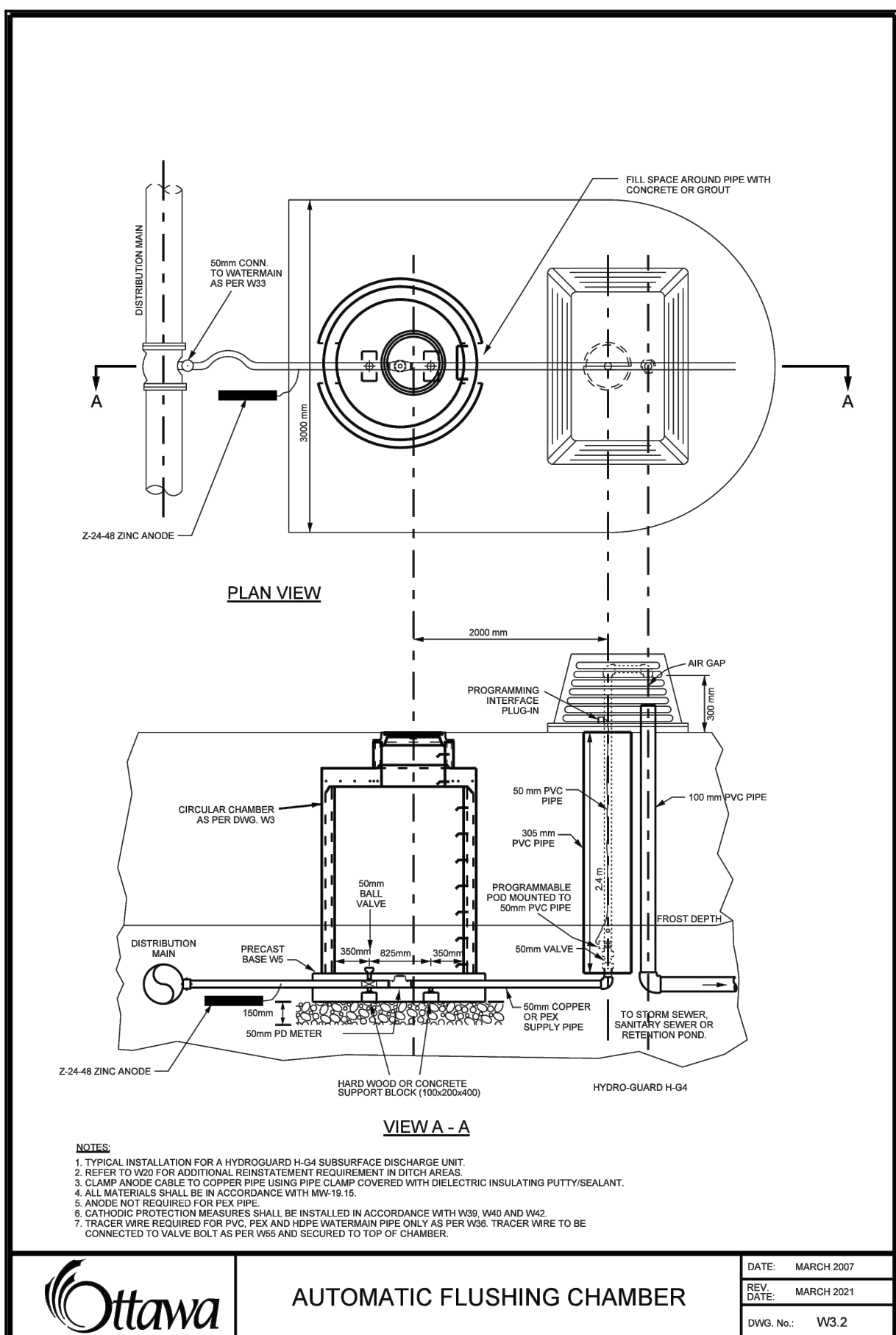
Sheet Name
DETAILS 2

Sheet Number
C017

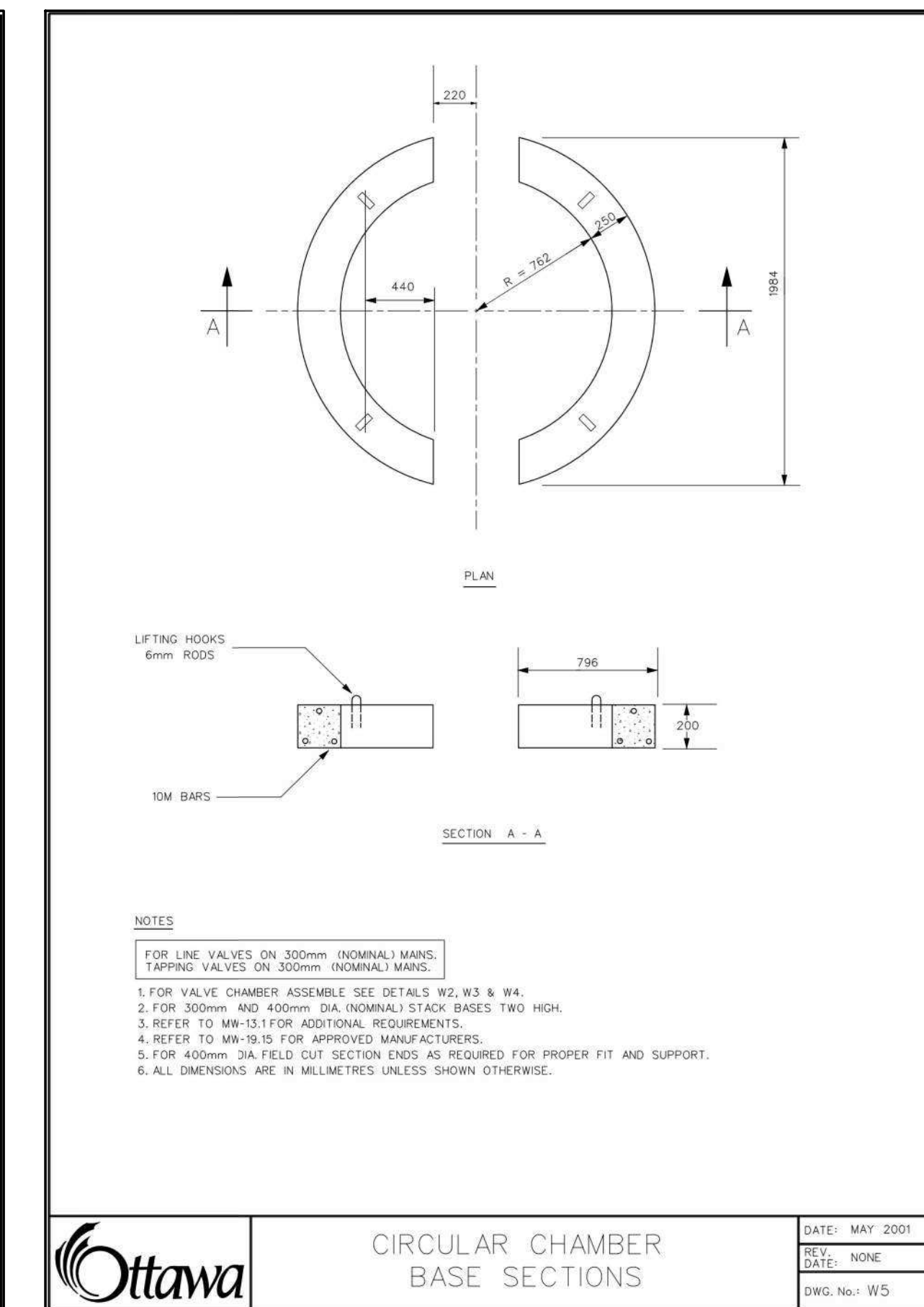
Project Status
STAGE 3



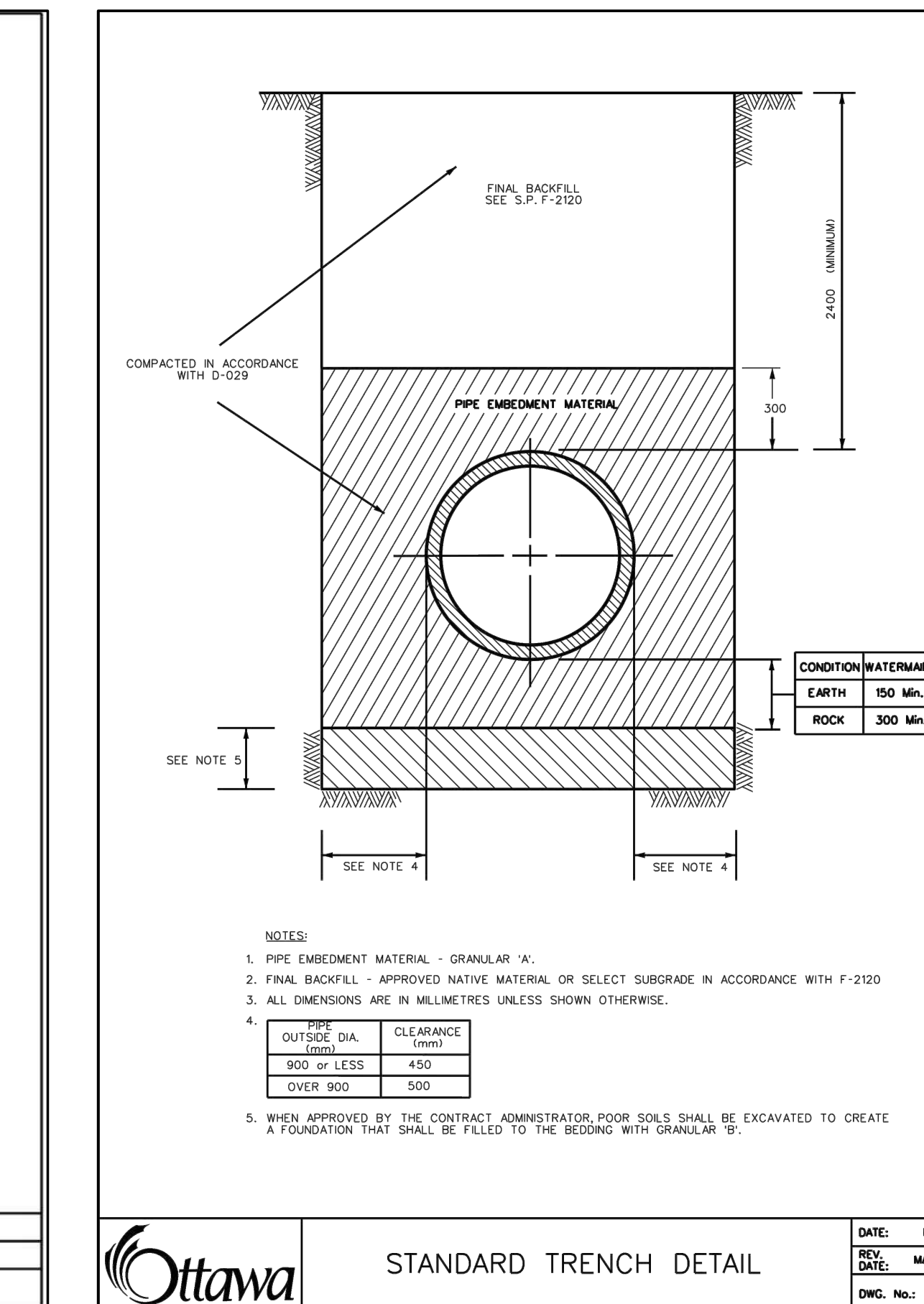
CIRCULAR CHAMBER BUTTERFLY VALVES
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: WJ2



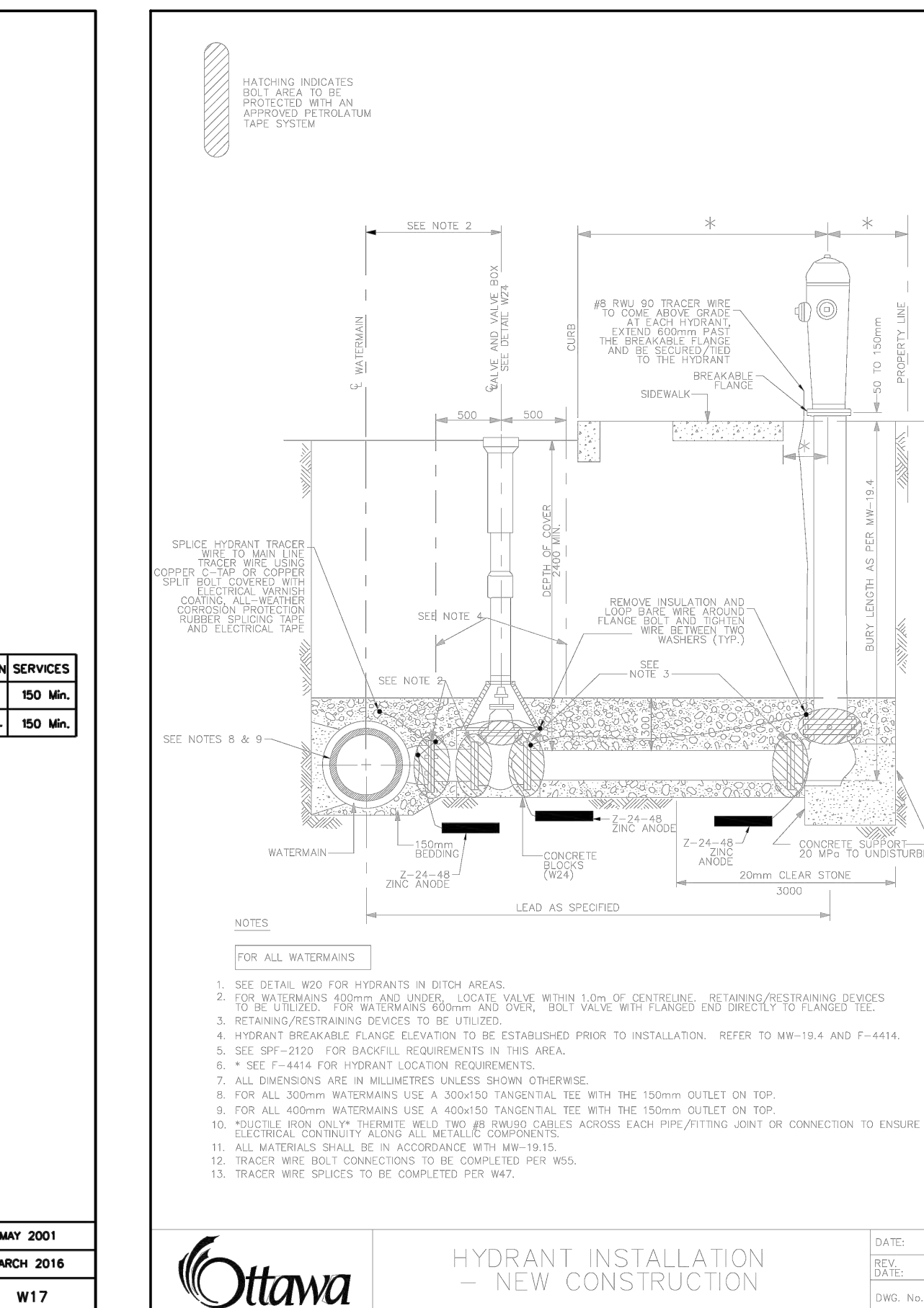
AUTOMATIC FLUSHING CHAMBER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: WJ2



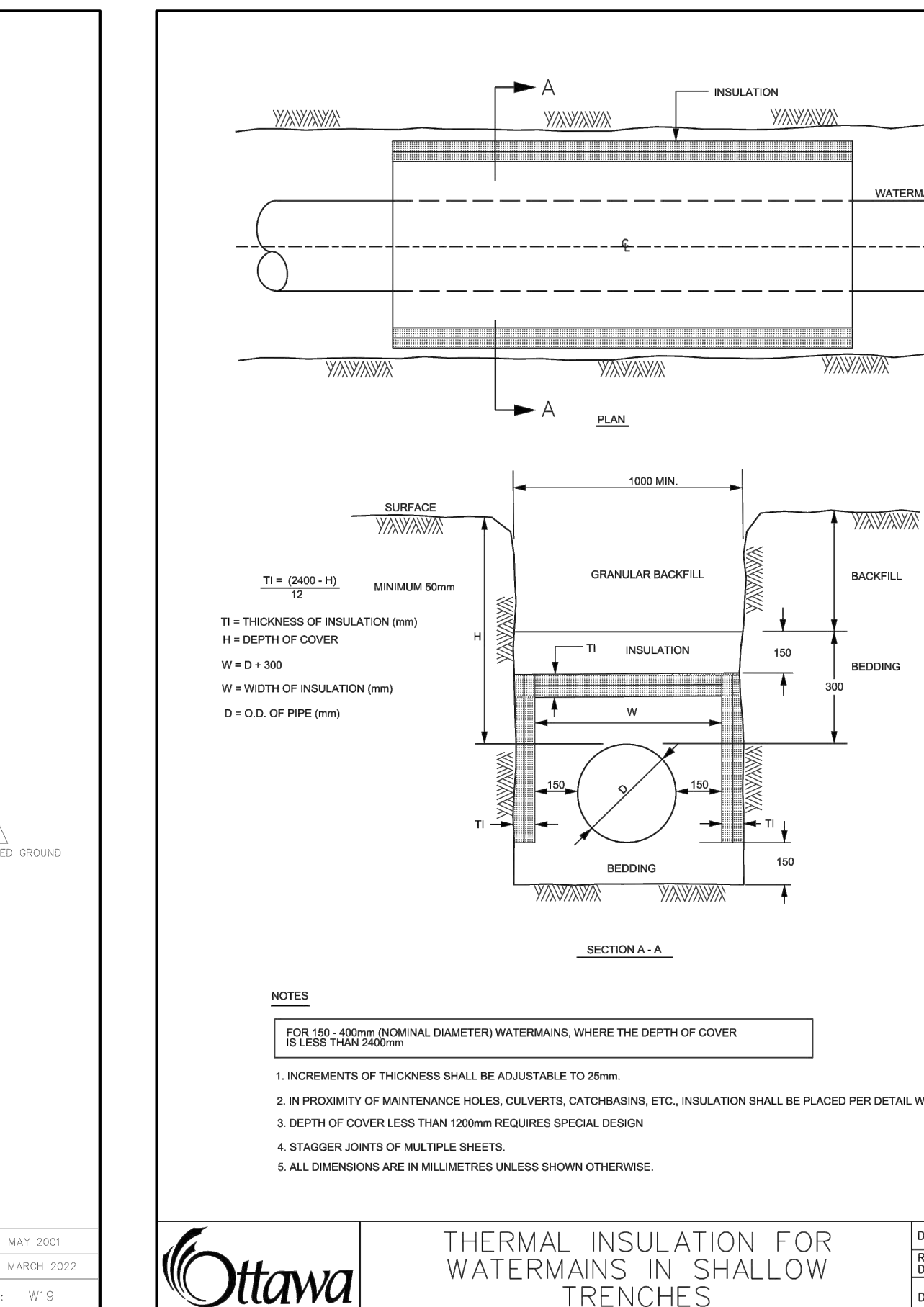
CIRCULAR CHAMBER BASE SECTIONS
DATE: MAY 2007
SCALE: NONE
DRAWN BY: WJ2



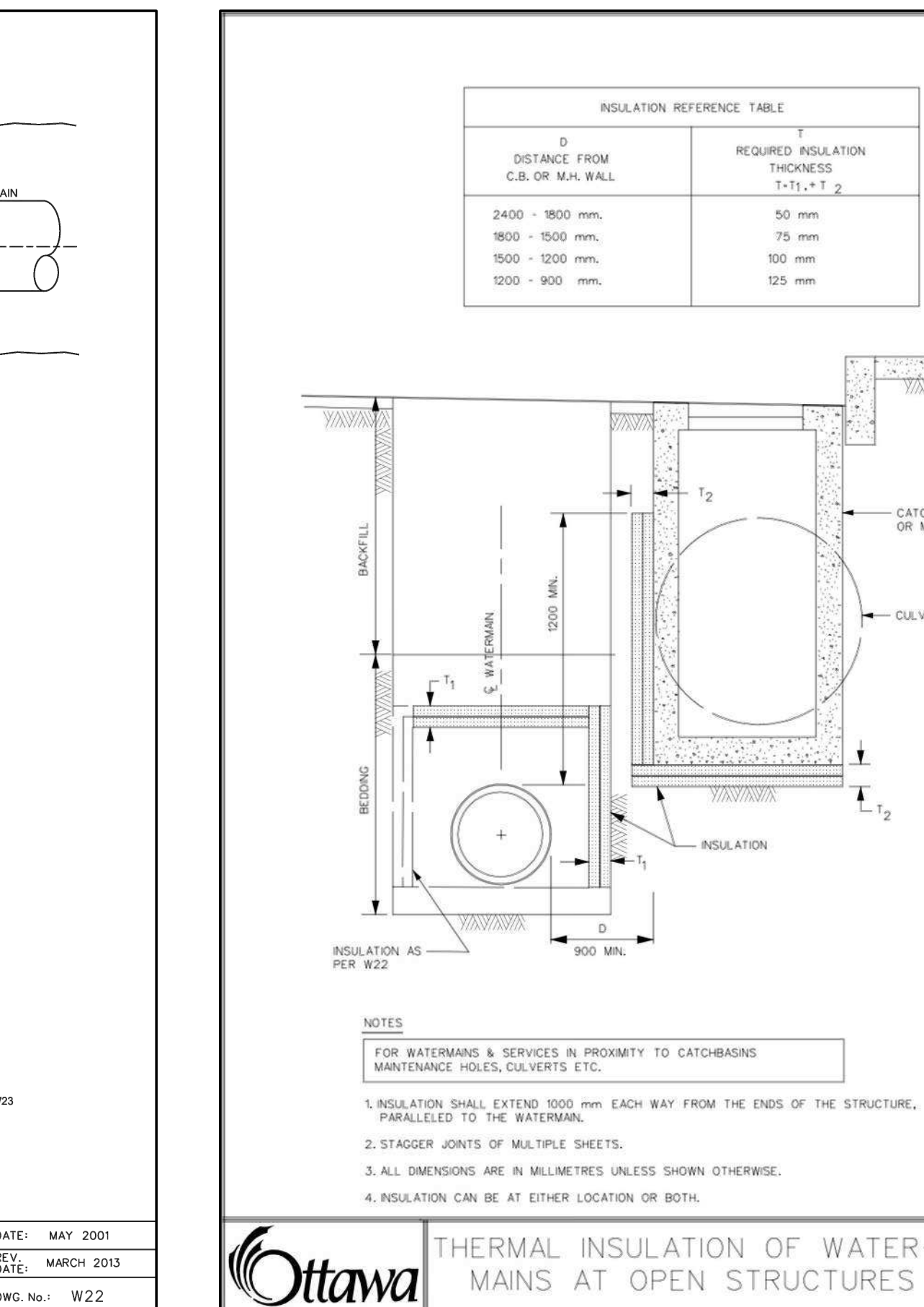
STANDARD TRENCH DETAIL
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W17



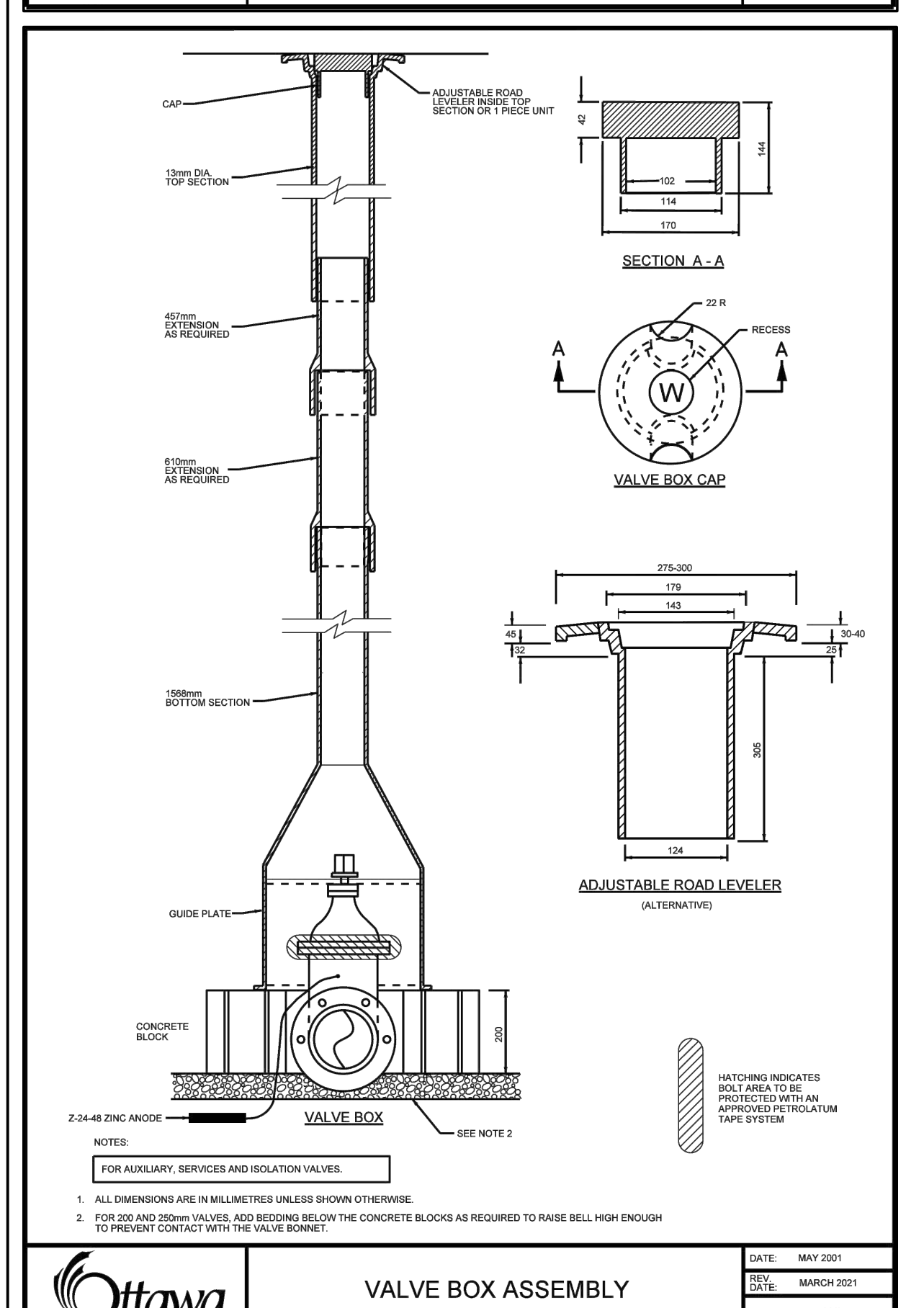
HYDRANT INSTALLATION - NEW CONSTRUCTION
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: WJ2



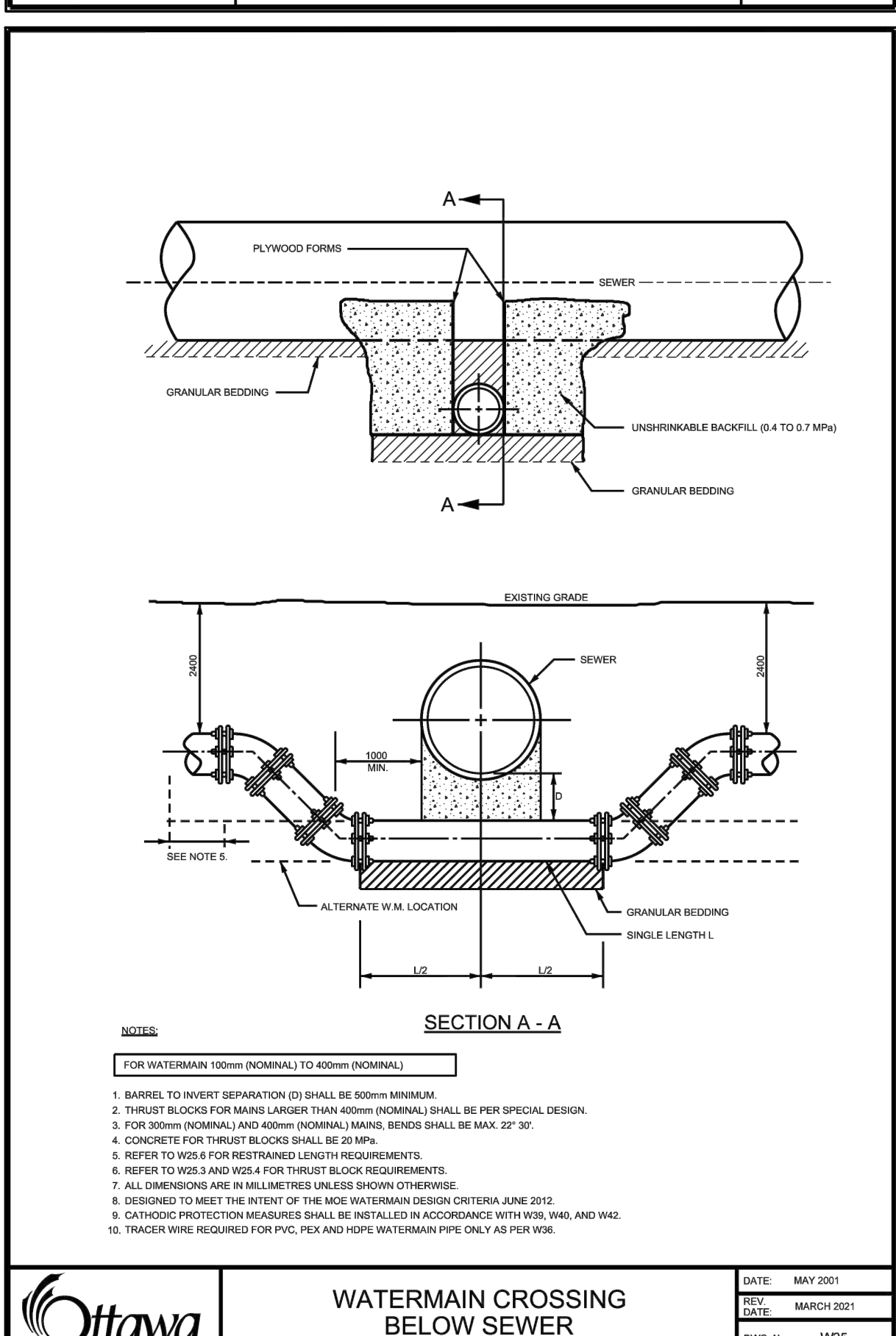
THERMAL INSULATION FOR WATERMAINS IN SHALLOW TRENCHES
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W22



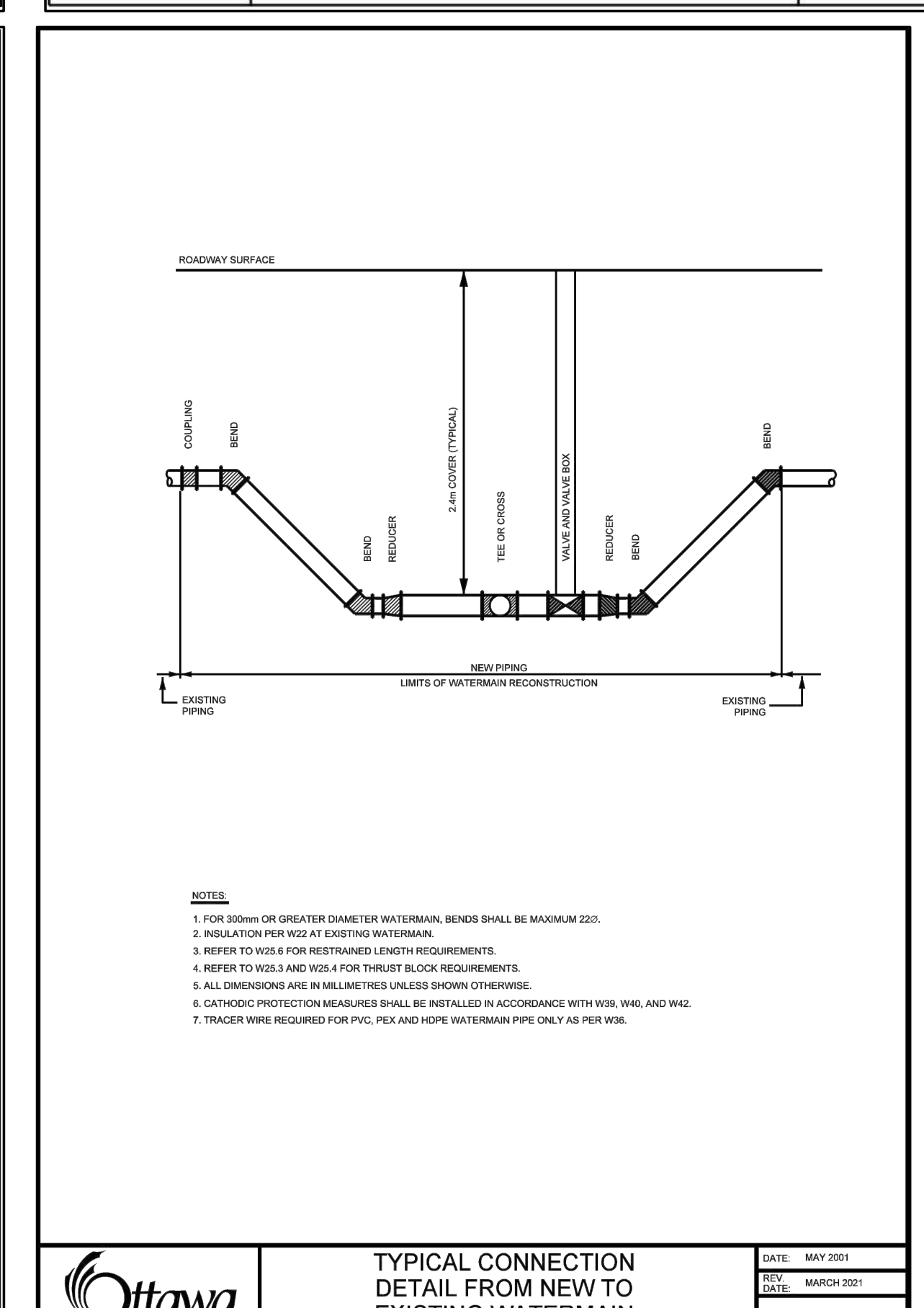
THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W23



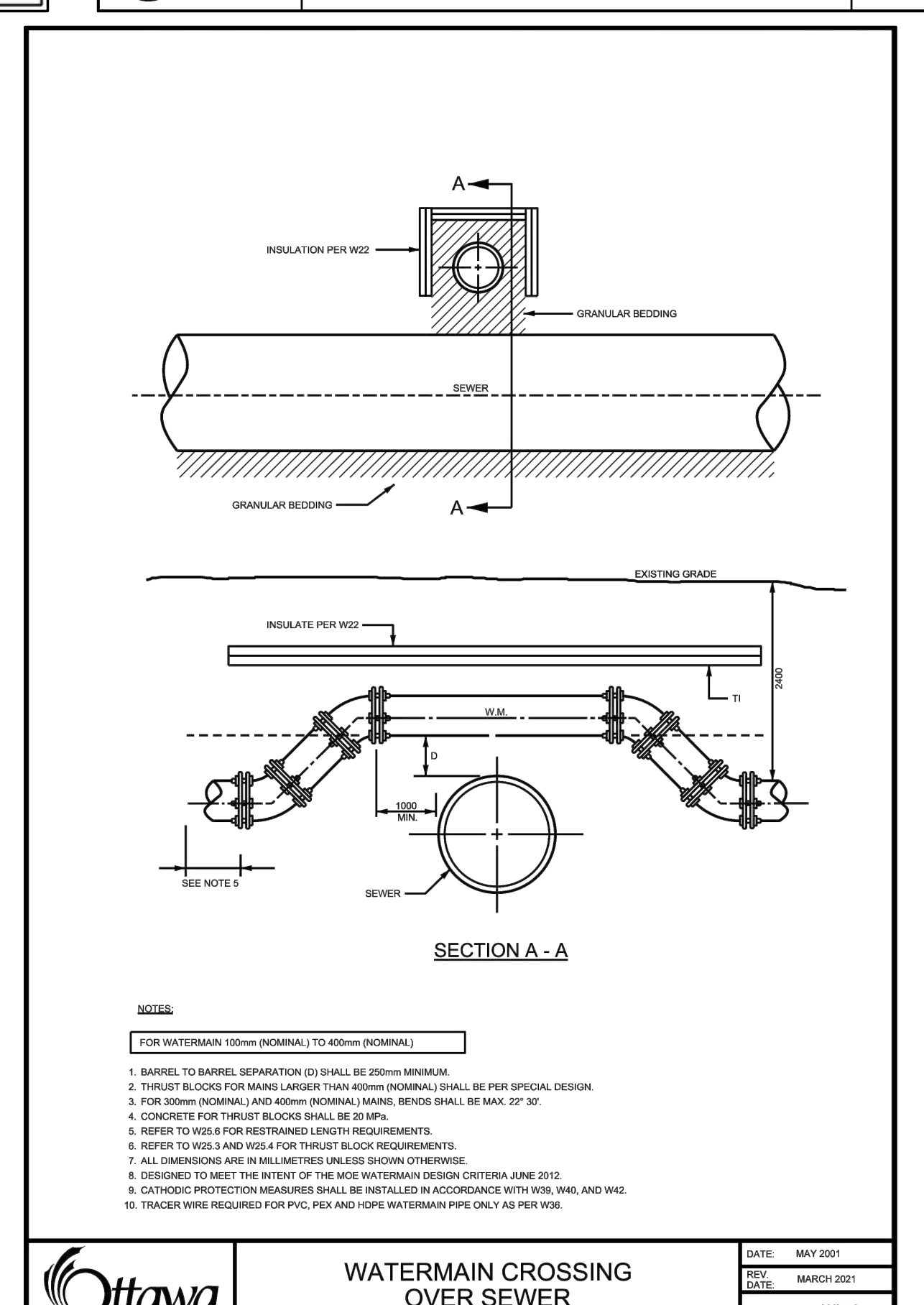
VALVE BOX ASSEMBLY
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W24



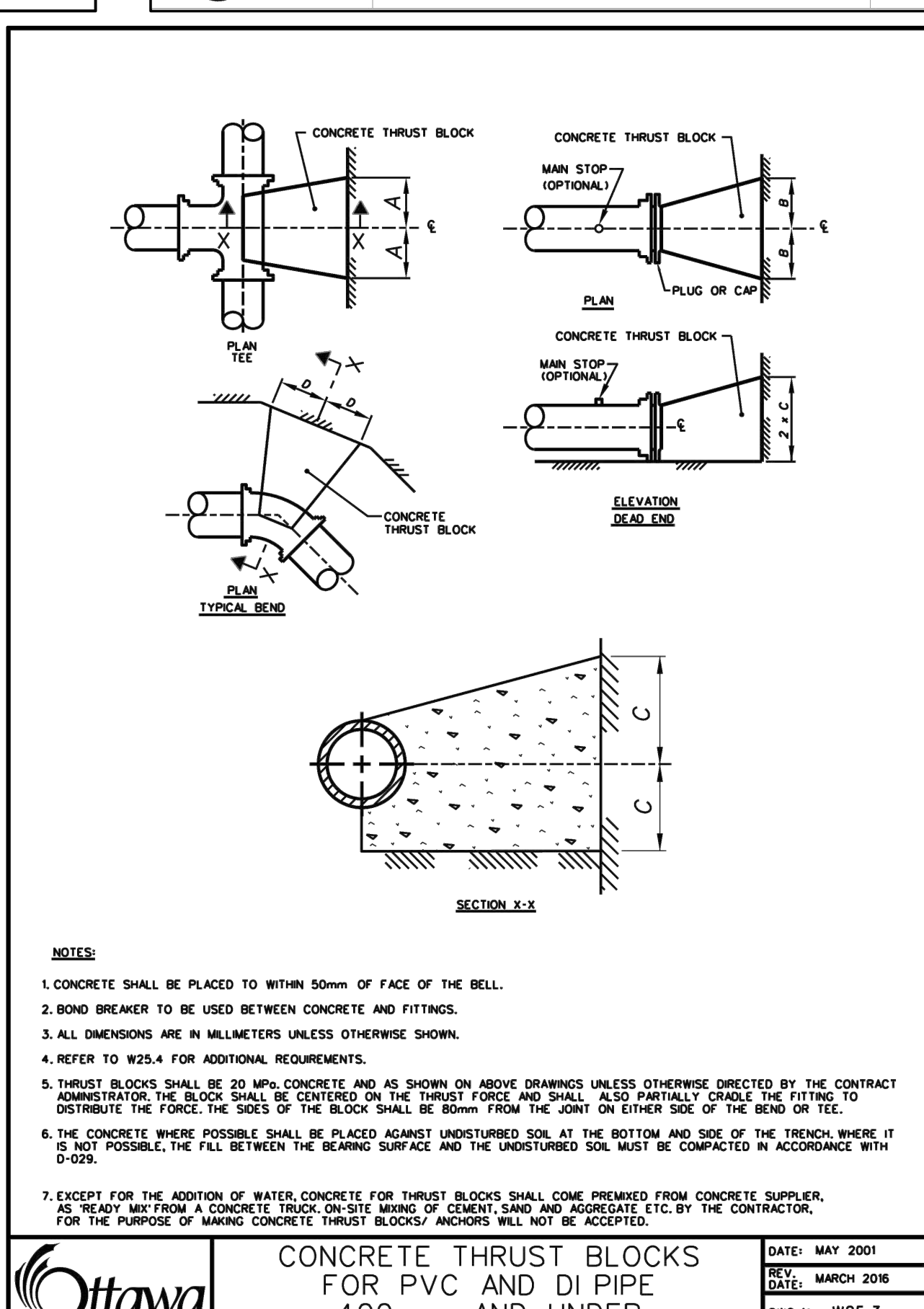
WATERMAIN CROSSING BELOW SEWER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W25



TYPICAL CONNECTION DETAIL FROM NEW TO EXISTING WATERMAIN
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W25



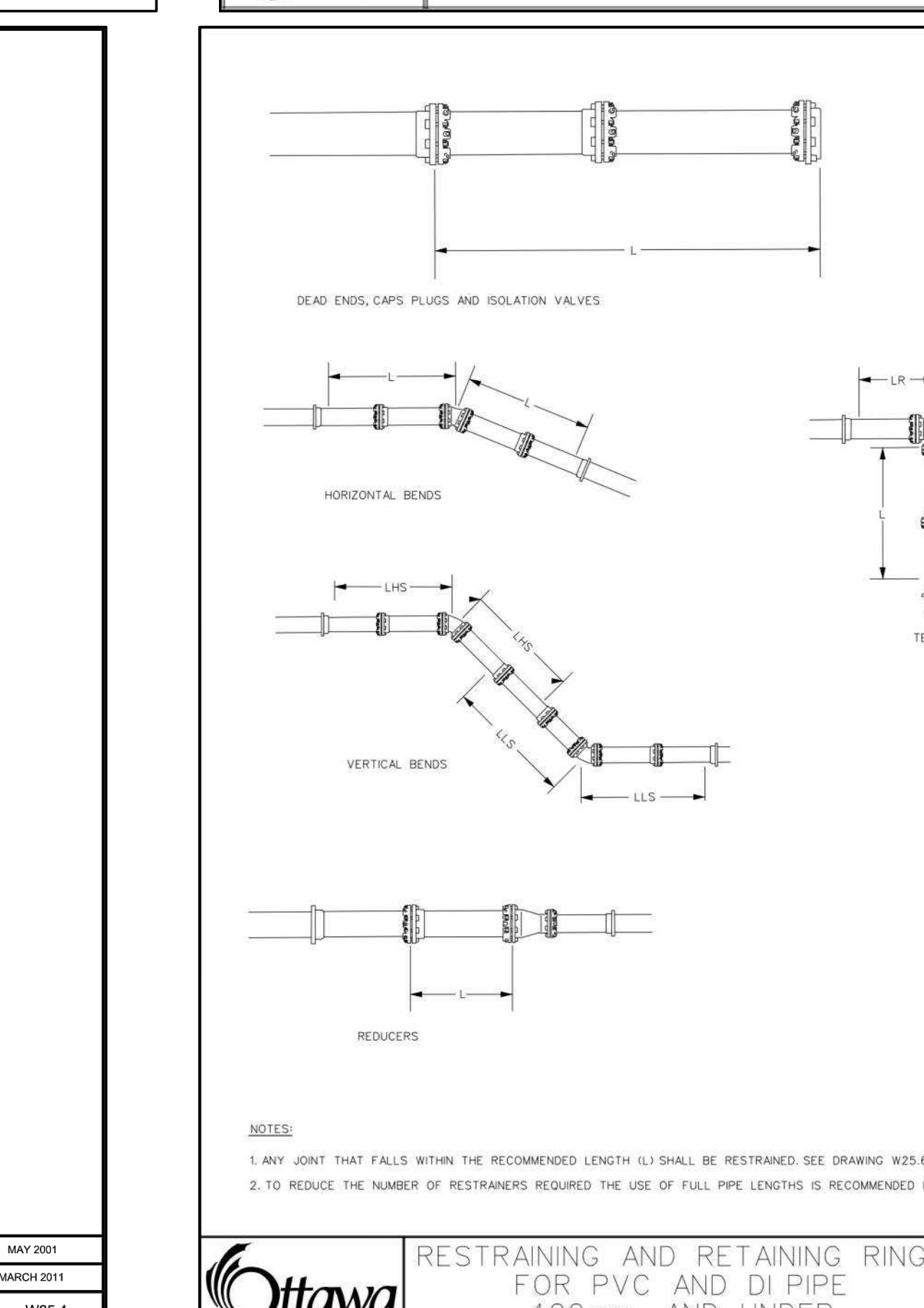
WATERMAIN CROSSING OVER SEWER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W22



CONCRETE THRUST BLOCKS FOR PVC AND DI PIPE 400mm AND UNDER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W23

Thrust Block Dimension Tables for PVC and DI Pipe 400mm and Under. Includes tables for soil descriptions and typical bearing strengths.

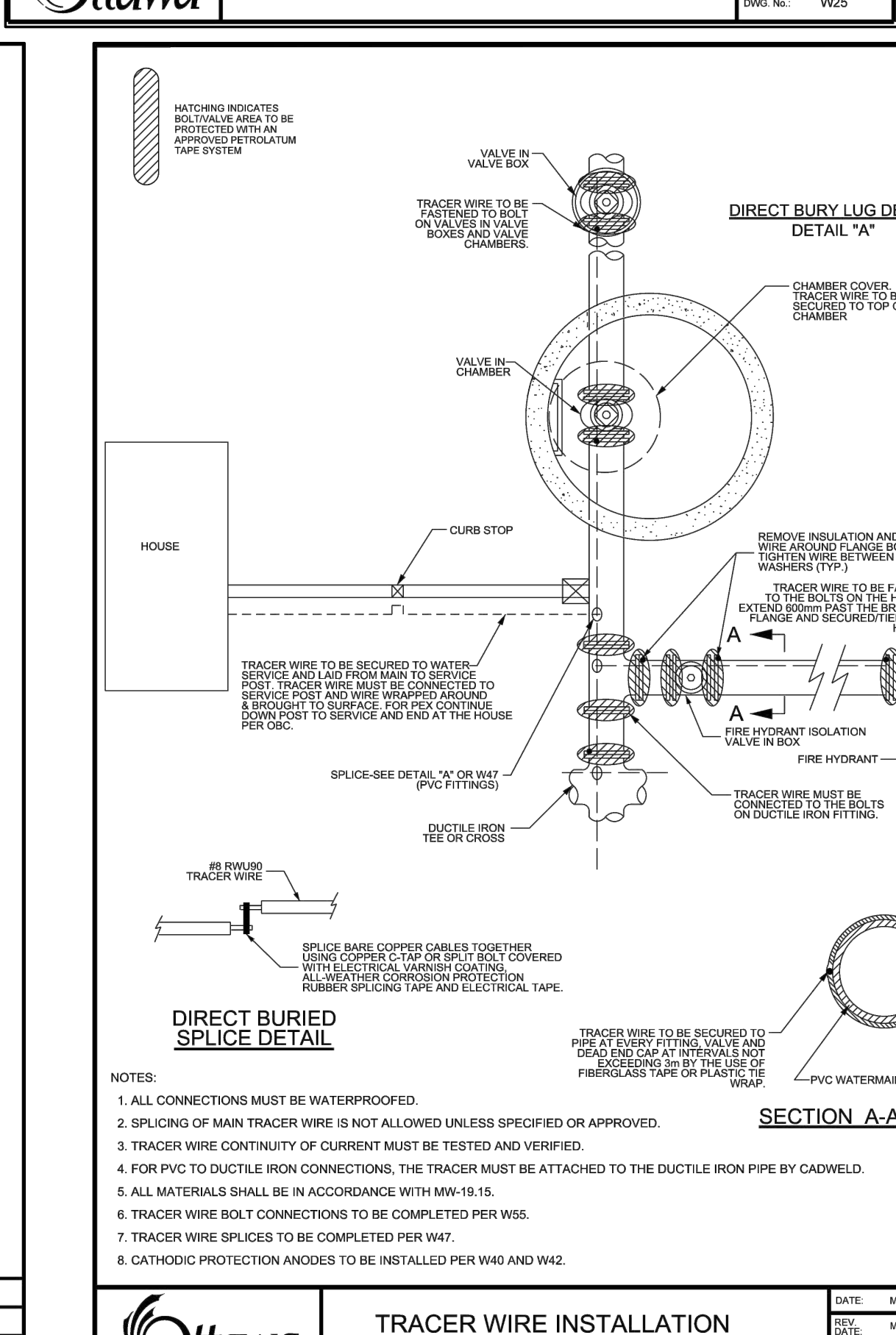
THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W23



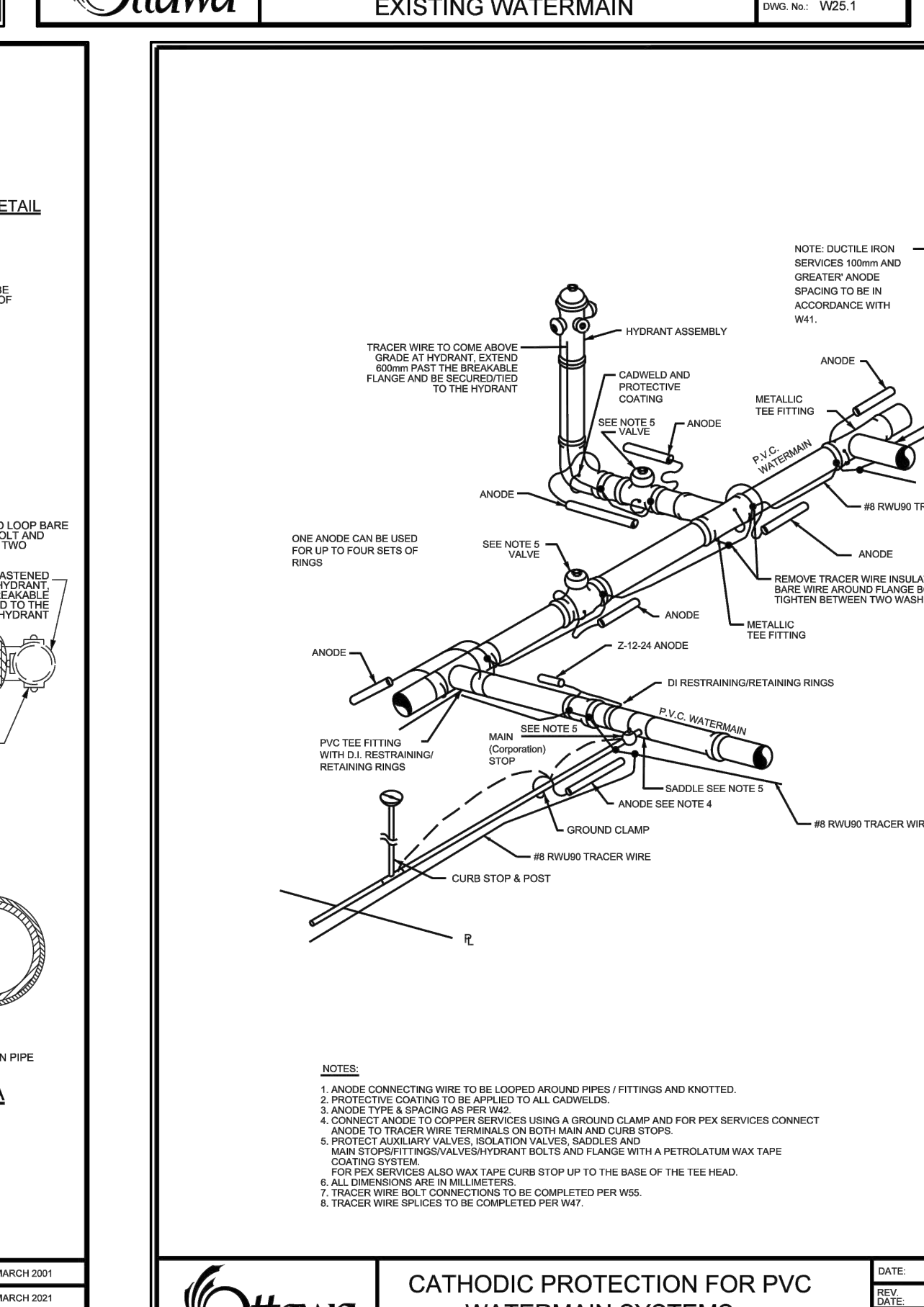
RESTRAINING AND RETAINING RINGS FOR PVC AND DI PIPE 400mm AND UNDER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W23

Table of Restraint Lengths for DI and PVC Watermain Pipe in Standard Openings and Embedment in Soils of Bearing Capacity of 100 kPa and Over.

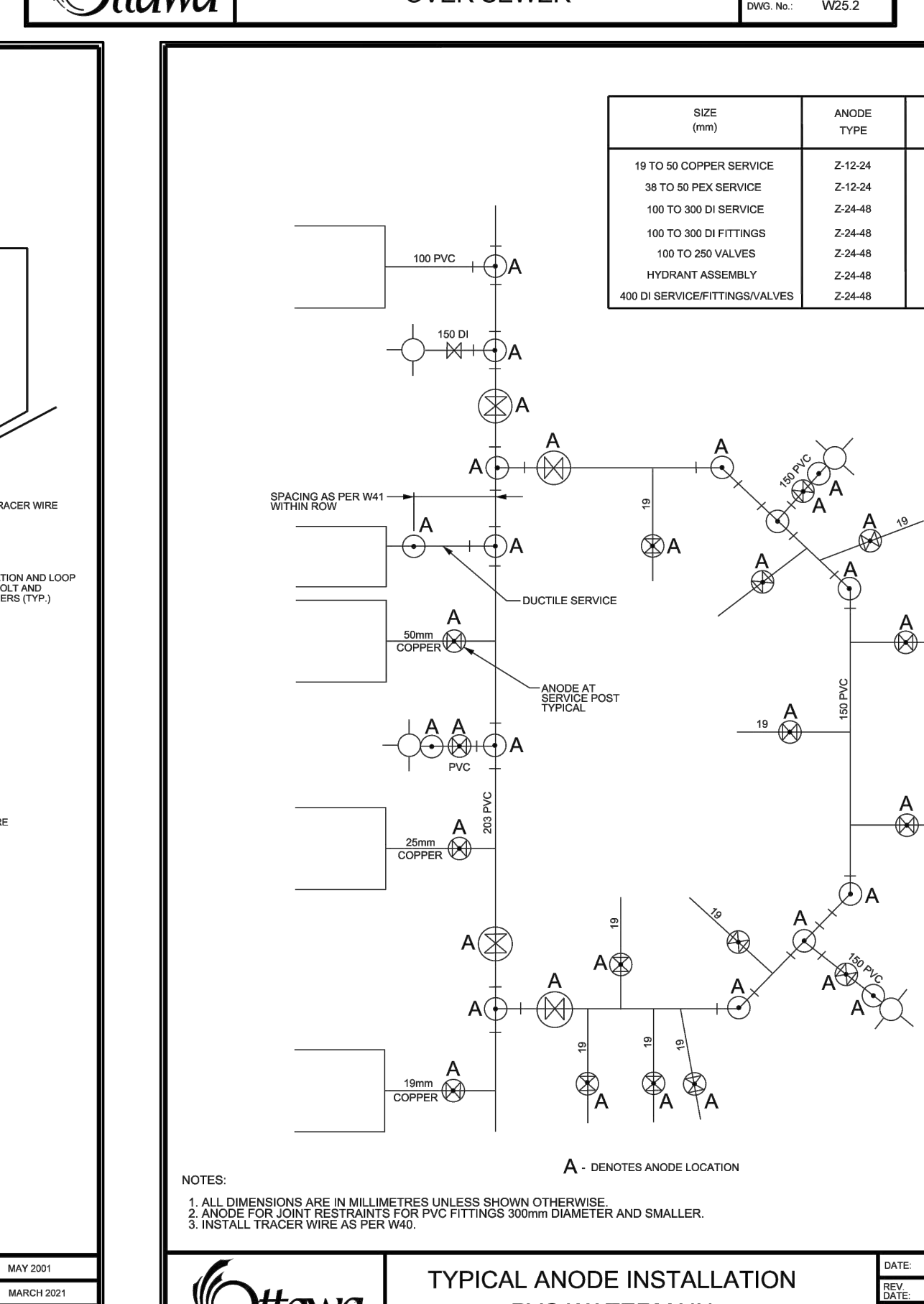
TABLES OF RESTRAINT LENGTHS FOR PVC AND DI PIPE 400mm AND UNDER
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W25



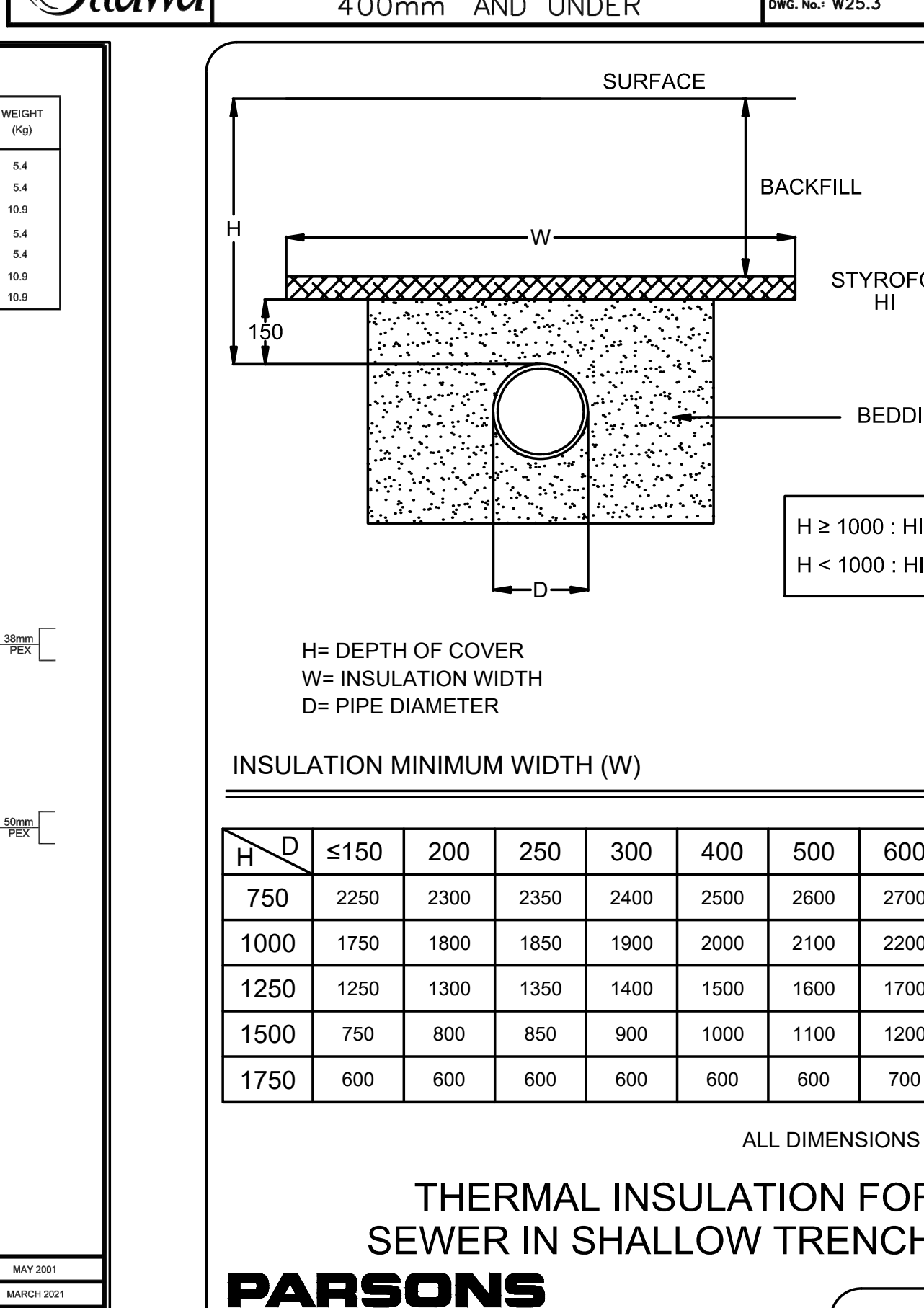
TRACER WIRE INSTALLATION
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W25



CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W26



TYPICAL ANODE INSTALLATION FOR PVC WATERMAIN
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W26



THERMAL INSULATION FOR SEWER IN SHALLOW TRENCHES
DATE: MAY 2007
SCALE: 1/8"=1'-0"
DRAWN BY: W27

Project Manager, Project Designer, Project Architect, Landscape Architect, Civil Engineer, Structural Engineer, Mechanical Engineer, Electrical Engineer, Plumbing Engineer, Equipment Planner, Welding.

MARK, DATE, DESCRIPTION table with columns for revision number, date, and description of changes.

Project Number, Original Issue, File Number, Rev.