

# THE OTTAWA HOSPITAL

APPROVED  
By Lily Xu at 10:24 am, Jun 05, 2024



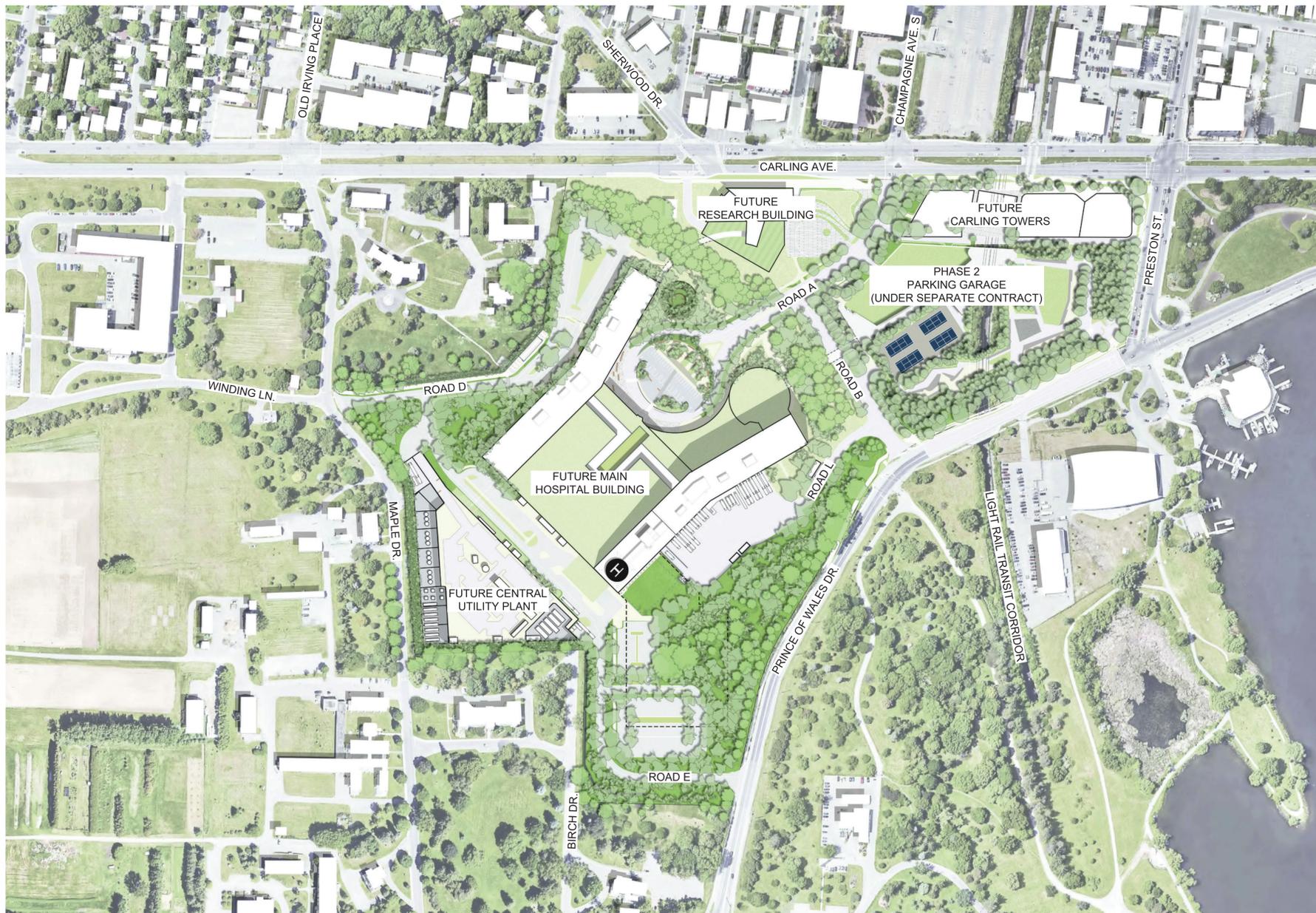
LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
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DEPARTMENT, CITY OF OTTAWA



HDR Architecture Associates Inc.  
300 Richmond Road, Suite 200  
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REDEVELOPMENT



SHEET NUMBER	SHEET NAME
C200	ILLUSTRATIVE SITE PLAN / INDEX OF DRAWINGS
C201	ADVANCE WORKS SHEET LAYOUT PLAN
C202	ADVANCE WORKS SERVICES STAGING PLAN
C203	ADVANCE WORKS CONSTRUCTION ACCESS
C204	ADVANCE WORKS EROSION AND SEDIMENT CONTROL PLAN
C205	ADVANCE WORKS REMOVALS
C206	ADVANCE WORKS SERVICES SITE PLAN
C207	ADVANCE WORKS SERVICES RELOCATIONS PLAN 1
C208	ADVANCE WORKS SERVICES RELOCATIONS PLAN 2
C209	ADVANCE WORKS SERVICES RELOCATIONS PLAN 3
C210	ADVANCE WORKS SERVICES RELOCATIONS PLAN 4
C211	ADVANCE WORKS SERVICES RELOCATIONS PLAN 5
C212	ADVANCE WORKS SERVICES RELOCATIONS PLAN 6
C213	ADVANCE WORKS SERVICES RELOCATIONS PLAN 7
C214	ADVANCE WORKS PLAN & PROFILE ROAD E STA. 5+400 TO STA. 5+540
C215	ADVANCE WORKS PLAN & PROFILE ROAD E STA. 5+300 TO STA. 5+400
C216	ADVANCE WORKS PLAN & PROFILE ROAD E STA. 5+150 TO STA. 5+300
C217	ADVANCE WORKS PLAN & PROFILE ROAD E STA. 5+000 TO STA. 5+150
C218	ADVANCE WORKS PLAN & PROFILE ROAD D STA. 6+000 TO STA. 6+175
C219	ADVANCE WORKS PLAN & PROFILE ROAD D STA. 6+175 TO STA. 6+320
C220	ADVANCE WORKS PLAN & PROFILE STA. 7+000 TO STA. 7+177
C221	ADVANCE WORKS PLAN & PROFILE STA. 60+000 TO STA. 60+055
C222	ADVANCE WORKS PLAN & PROFILE STA. 7+177 TO STA. 7+340
C223	ADVANCE WORKS PLAN & PROFILE STA. 50+000 TO STA. 50+120
C224	ADVANCE WORKS PLAN & PROFILE STA. 50+120 TO STA. 50+274
C225	ADVANCE WORKS PLAN & PROFILE STA. 50+274 TO STA. 50+380 ADVANCE WORKS PLAN & PROFILE STA. 40+000 TO STA. 40+112
C226	ADVANCE WORKS PLAN & PROFILE STA. 30+100 TO STA. 30+182 ADVANCE WORKS PLAN & PROFILE STA. 8+000 TO STA. 8+090
C227	ADVANCE WORKS PLAN & PROFILE STA. 1+000 TO STA. 1+150
C228	ADVANCE WORKS PLAN & PROFILE STA. 1+150 TO STA. 1+304
C229	ADVANCE WORKS PLAN & PROFILE STA. 2+000 TO STA. 2+187
C230	ADVANCE WORKS PLAN & PROFILE STA. 2+187 TO STA. 2+380
C231	ADVANCE WORKS PLAN & PROFILE STA. 3+000 TO STA. 3+108
C232	ADVANCE WORKS GRADING PLAN 1 OF 5
C233	ADVANCE WORKS GRADING PLAN 2 OF 5
C234	ADVANCE WORKS GRADING PLAN 3 OF 5
C235	ADVANCE WORKS GRADING PLAN 4 OF 5
C236	ADVANCE WORKS GRADING PLAN 5 OF 5
C237	ADVANCE WORKS DETAILS 1
C238	ADVANCE WORKS DETAILS 2
C239	ADVANCE WORKS DETAILS 3
C240	ADVANCE WORKS DETAILS SERVICING TABLES
S201	RETAINING WALL ADVANCE WORKS STA 201+000 - 201+191 ROAD D/ZONE 1 PARKING
S202	RETAINING WALL ADVANCE WORKS STA 202+000 - 202+156 STA 205+000 - 205+105 ROAD E

Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ESR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	Wayfinding

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
01	2023-10-06	ISSUED FOR FLUETA - ADVANCE WORKS
02	2023-10-27	ISSUED FOR MORN JA 3
03	2023-11-28	ISSUED FOR DISCUSSION
04	2023-12-04	ISSUED FOR 90% DESIGN DEVELOPMENT CHANGING
05	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
06	2024-02-28	ISSUED FOR CLIENT REVIEW
07	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 10333852  
Original Issue: 1020192

NOT FOR CONSTRUCTION

Sheet Name:  
CIVIL INDEX OF  
DRAWINGS

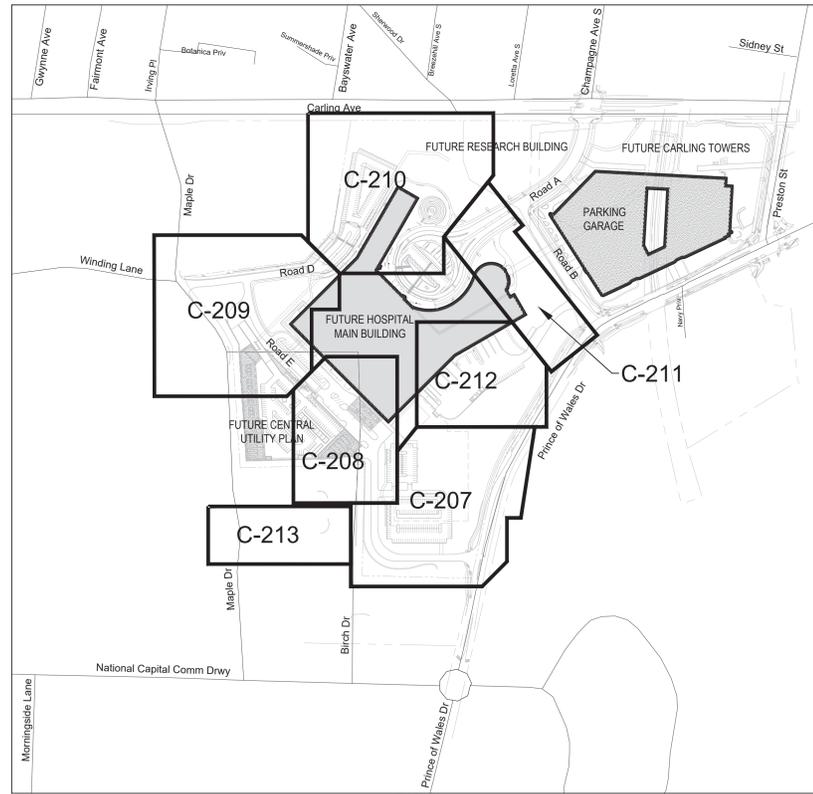
Sheet Number:  
**C200**  
Project Status:  
STAGE 3

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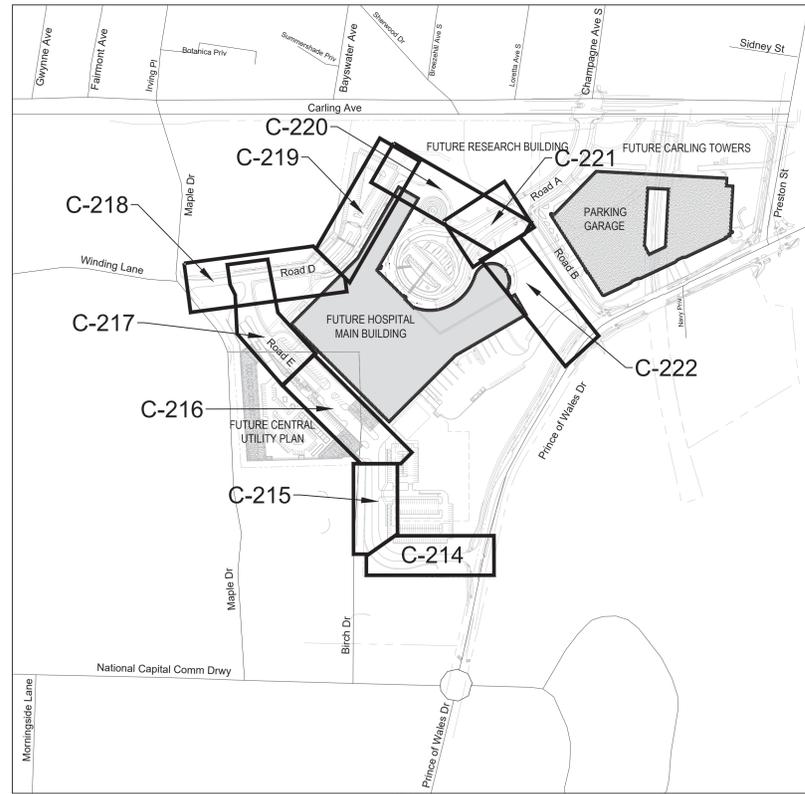
CITY OF OTTAWA FILE # D07-12-22-0168  
CITY PLAN # 18891

D07-12-22-0168

SERVICING PLANS



PLAN & PROFILE PLANS



**APPROVED**  
By Lily Xu at 10:46 am, Jun 05, 2024

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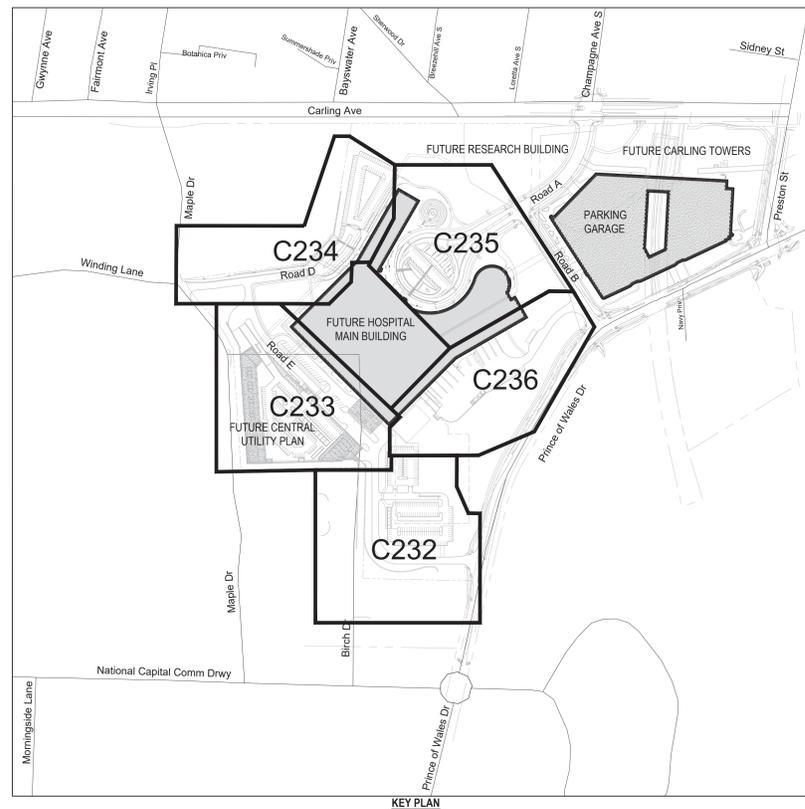
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PLAN & PROFILE PLANS



GRADING PLANS



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Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: Parsons  
Structural Engineer: EDP  
Mechanical Engineer: Smith + Anderson  
Electrical Engineer: Smith + Anderson  
Planning Engineer: Smith + Anderson  
Interior Designer: HDR  
Equipment Planner: HDR  
Wayfinding: HDR

Sheet Reviewer: | Author:

MARK	DATE	DESCRIPTION
01	2023-11-28	ISSUED FOR DISCUSSION
02	2023-12-06	ISSUED FOR INFORMATION DEVELOPMENT OR PRELIMINARY
03	2024-01-17	ISSUED FOR DELIBERATE AUTHORITY REPORT
04	2024-02-28	ISSUED FOR CLIENT REVIEW
05	2024-03-28	ISSUED FOR RFP DETAIL DESIGN

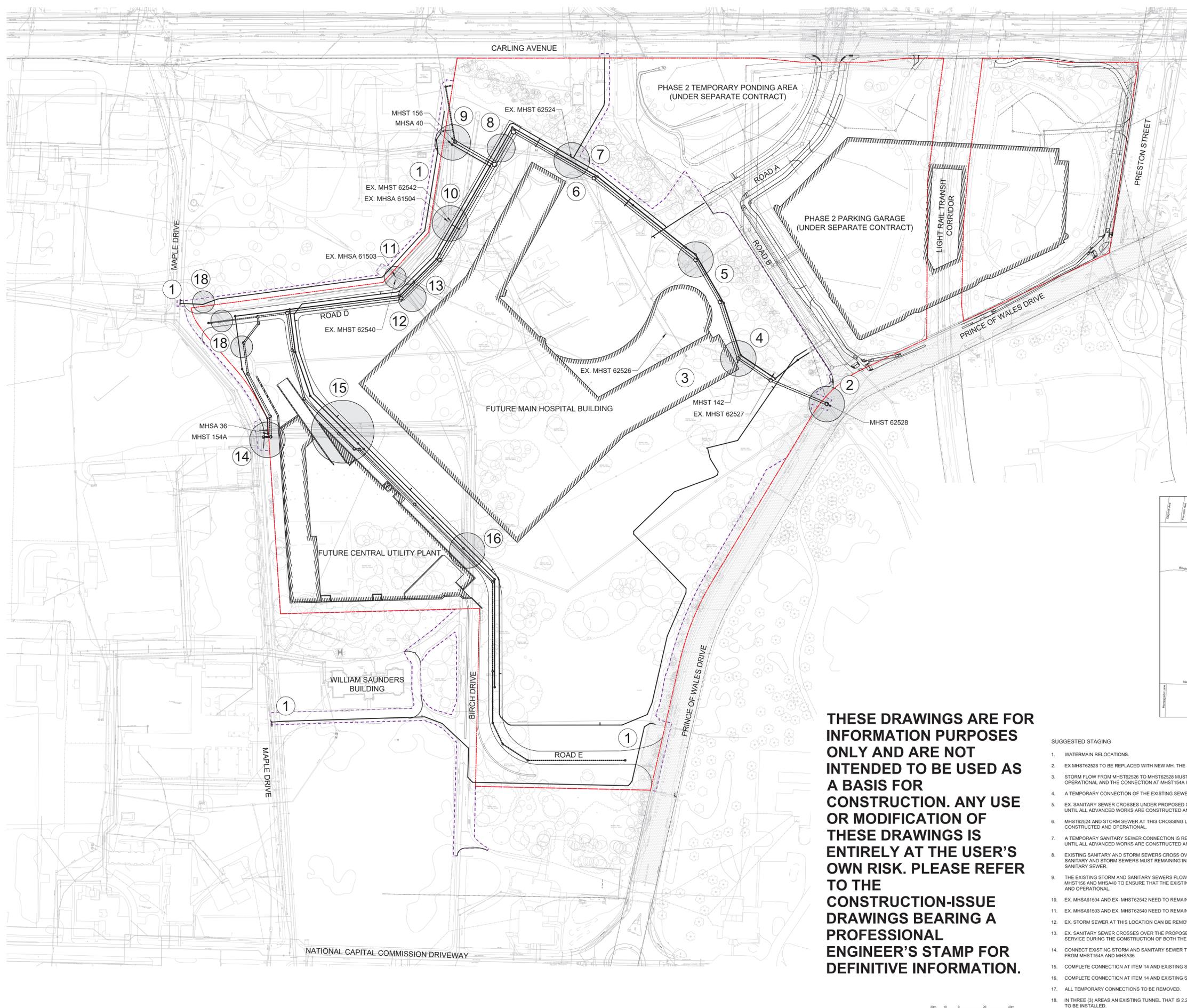
Project Number: 1033392  
Original Issue: 1031120

NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS SHEET LAYOUT PLAN

Sheet Number: C201

Project Status: STAGE 3



**APPROVED**  
By Lily Xu at 10:31 am, Jun 05, 2024

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DEPARTMENT, CITY OF OTTAWA

LEGEND:

	EXISTING BELL
	EXISTING GAS
	EXISTING HYDRO
	EXISTING STREETLIGHT
	EXISTING TELCO
	EXISTING TRAFFIC
	FACILITY LEASE BOUNDARY
	EXISTING PROPERTY LINE
	LIMIT OF WORK
	PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH TRM PROCESS UNDER SEPARATE DRAWING PACKAGE
	EXISTING CONCRETE CURB
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CURB
	PROPOSED RETAINING WALL OR STRUCTURE
	EXISTING WATERMAIN
	EXISTING VALVE CHAMBER
	EXISTING VALVE & VALVE BOX
	EXISTING FIRE HYDRANT
	PROPOSED VALVE CHAMBER
	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
	ROAD CENTERLINE
	PROPOSED EDGE OF GRANULAR B
	WOODED AREA DRIFLINE
	EXISTING TREE AND CRITICAL ROOT ZONE



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SUGGESTED STAGING

1. WATERMAIN RELOCATIONS.
2. EX. MHST62528 TO BE REPLACED WITH NEW MH. THE SOUTH INV AND THE EAST INV MUST BE MAINTAINED.
3. STORM FLOW FROM MHST62528 TO MHST62528 MUST BE MAINTAINED UNTIL THE SEWER FROM MHST62528 TO MHST154A IS OPERATIONAL AND THE CONNECTION AT MHST154A IS COMPLETED.
4. A TEMPORARY CONNECTION OF THE EXISTING SEWER TO MHST142 WILL BE REQUIRED TO MAINTAIN EXISTING FLOWS.
5. EX. SANITARY SEWER CROSSES UNDER PROPOSED SANITARY AND STORM SEWER. THE EXISTING SEWER MUST REMAIN IN OPERATION UNTIL ALL ADVANCED WORKS ARE CONSTRUCTED AND OPERATIONAL.
6. MHST62524 AND STORM SEWER AT THIS CROSSING LOCATION MUST REMAIN IN SERVICE UNTIL ALL ADVANCED WORKS ARE CONSTRUCTED AND OPERATIONAL.
7. A TEMPORARY SANITARY SEWER CONNECTION IS REQUIRED TO ALLOW THE EXISTING SANITARY SEWER SYSTEM TO REMAIN IN SERVICE UNTIL ALL ADVANCED WORKS ARE CONSTRUCTED AND OPERATIONAL.
8. EXISTING SANITARY AND STORM SEWERS CROSS OVER THE PROPOSED SANITARY SEWER AND OVER THE PROPOSED STORM SEWER. SANITARY AND STORM SEWERS MUST REMAIN IN SERVICE DURING THE CONSTRUCTION OF BOTH THE PROPOSED STORM AND SANITARY SEWER.
9. THE EXISTING STORM AND SANITARY SEWERS FLOWING FROM THE SOUTH EAST WILL NEED TO BE TEMPORARILY CONNECTED TO MHST156 AND MHS440 TO ENSURE THAT THE EXISTING SEWERS REMAINS IN SERVICE UNTIL ALL ADVANCED WORKS ARE CONSTRUCTED AND OPERATIONAL.
10. EX. MHS461504 AND EX. MHST62542 NEED TO REMAIN IN SERVICE UNTIL ALL ADVANCED WORKS ARE CONSTRUCTED AND OPERATIONAL.
11. EX. MHS461503 AND EX. MHST62540 NEED TO REMAIN IN SERVICE UNTIL ALL ADVANCED WORKS ARE CONSTRUCTED AND OPERATIONAL.
12. EX. STORM SEWER AT THIS LOCATION CAN BE REMOVED.
13. EX. SANITARY SEWER CROSSES OVER THE PROPOSED STORM AND SANITARY SEWERS. EX. SANITARY SEWER MUST REMAIN IN SERVICE DURING THE CONSTRUCTION OF BOTH THE PROPOSED STORM AND SANITARY SEWER.
14. CONNECT EXISTING STORM AND SANITARY SEWER TO PROPOSED SYSTEM BEFORE EXTENDING SEWER SOUTH EAST ALONG ROAD E FROM MHST154A AND MHS436.
15. COMPLETE CONNECTION AT ITEM 14 AND EXISTING SEWER CAN BE REMOVED AT THIS LOCATION.
16. COMPLETE CONNECTION AT ITEM 14 AND EXISTING SEWER CAN BE REMOVED AT THIS LOCATION.
17. ALL TEMPORARY CONNECTIONS TO BE REMOVED.
18. IN THREE (3) AREAS AN EXISTING TUNNEL THAT IS 2.2M X 1.5M WILL NEED TO BE REMOVED TO ALLOW FOR PROPOSED INFRASTRUCTURE TO BE INSTALLED.



Architect: HDR  
Landscape Architect: Parsons  
Civil Engineer: E3P  
Structural Engineer: Smith + Anderson  
Mechanical Engineer: Smith + Anderson  
Electrical Engineer: HDR  
Planning Engineer: HDR  
Interior Designer: HDR  
Equipment Planner: HDR  
Wayfinding: HDR

Sheet Reviewer: [Blank]  
Author: [Blank]

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-07	90% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR FLUOTA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A3
09	2023-11-16	ISSUED FOR DECISION
10	2023-12-04	ISSUED FOR 90% DESIGN DEVELOPMENT DRAWING
11	2024-01-17	ISSUED FOR DELGATED AUTHORITY REPORT
12	2024-02-05	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/03/23

NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS SERVICES STAGING PLAN

Sheet Number: C202

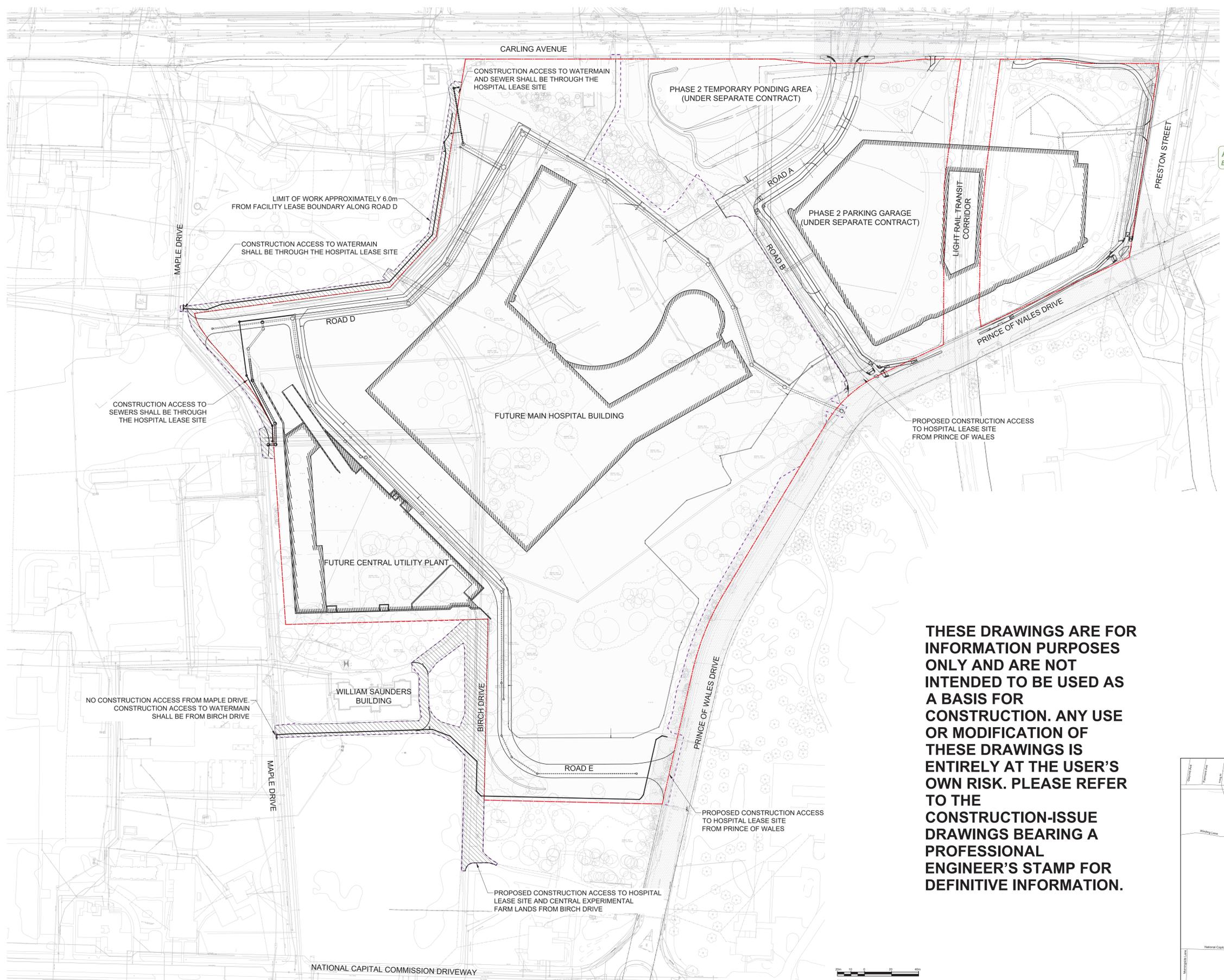
Project Status: STAGE 3



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By Lily Xu at 10:29 am, Jun 05, 2024

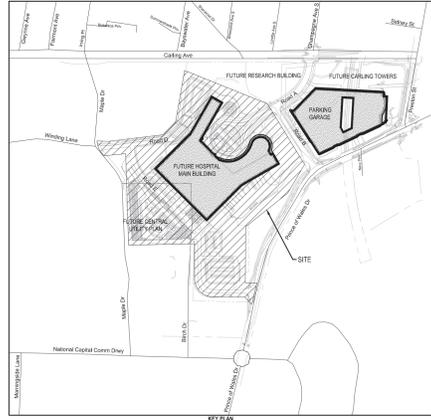


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MANAGER, DEVELOPMENT REVIEW SOUTH  
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DEPARTMENT, CITY OF OTTAWA



- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRANT
  - EXISTING STREETLIGHT
  - EXISTING TELLUR
  - EXISTING TRAFFIC
  - EXISTING PROPERTY LINE
  - FACILITY LEASE BOUNDARY
  - LIMIT OF WORK
  - CONSTRUCTION AREA ON CENTRAL EXPERIMENTAL FARM LANDS
  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - DC
  - PROPOSED DEPRESSED CURB
  - PROPOSED BUILDING OR STRUCTURE
  - PROPOSED RETAINING WALL
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - WOODED AREA DRIFTLINE
  - EXISTING TREE AND CRITICAL ROOT ZONE

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Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ENR
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	Callies

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-28	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-01	91% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR PLOT/1A - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 1A.3
09	2023-11-28	ISSUED FOR 95% DESIGN
10	2023-12-04	ISSUED FOR 95% DESIGN DEVELOPMENT DRAWING
11	2024-01-17	ISSUED FOR DELICATED AUTHORITY REPORT
12	2024-02-05	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 95% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 6/5/24

NOT FOR CONSTRUCTION

Sheet Name:  
**ADVANCE WORKS  
CONSTRUCTION  
ACCESS**

Sheet Number:  
**C203**

Project Status:  
STAGE 3





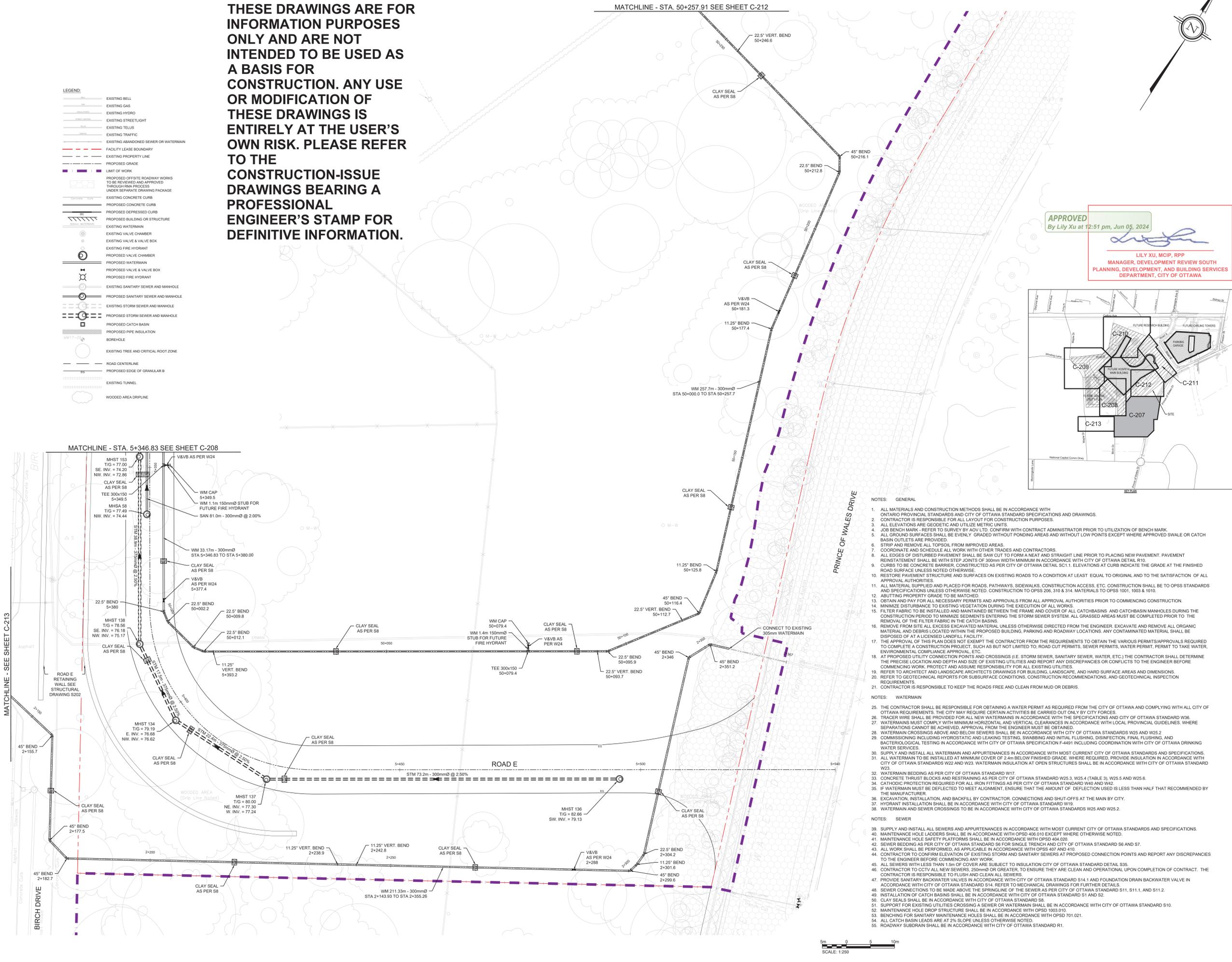




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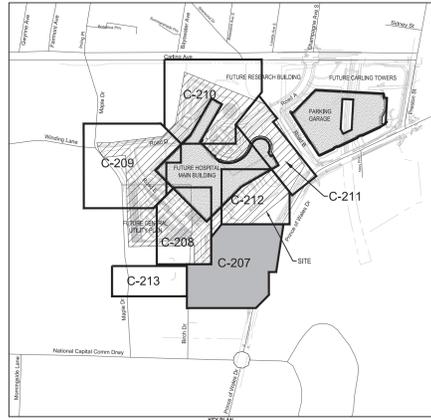
**LEGEND**

	EXISTING BELL
	EXISTING GAS
	EXISTING HYDRO
	EXISTING STREETLIGHT
	EXISTING TELLUS
	EXISTING TRAFFIC
	EXISTING ABANDONED SEWER OR WATERMAIN
	FACILITY LEASE BOUNDARY
	EXISTING PROPERTY LINE
	PROPOSED GRADE
	LIMIT OF WORK
	PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
	EXISTING CONCRETE CURB
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CURB
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	EXISTING WATERMAIN
	EXISTING VALVE CHAMBER
	EXISTING VALVE AND VALVE BOX
	EXISTING FIRE HYDRANT
	PROPOSED VALVE CHAMBER
	PROPOSED WATERMAIN
	PROPOSED VALVE AND 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
	PROPOSED PIPE INSULATION
	BOREHOLE
	EXISTING TREE AND CRITICAL ROOT ZONE
	ROAD CENTERLINE
	PROPOSED EDGE OF GRANULAR BASE
	EXISTING TUNNEL
	WOODED AREA DRIPLINE



**APPROVED**  
By Lily Xu at 12:51 pm, Jun 05, 2024

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DEPARTMENT, CITY OF OTTAWA



- NOTES - GENERAL**
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARDS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
  - CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
  - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
  - JOB BENCH MARK - REFER TO SURVEY BY AOV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
  - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
  - STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
  - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
  - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 300mm WIDTH MINIMUM IN ACCORDANCE WITH CITY OF OTTAWA DETAIL R10.
  - 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 ALL APPROVAL AUTHORITIES.
  - ALL MATERIAL SUPPLIED AND PLACED FOR ROADS, PATHWAYS, SIDEWALKS, CONSTRUCTION ACCESS, ETC. 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 ALL APPROVAL 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. 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.
  - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS 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, PERMIT TO TAKE WATER, ENVIRONMENTAL COMPLIANCE APPROVAL, 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 REPORTS 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**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER PERMIT AS REQUIRED BY THE CITY OF OTTAWA AND COMPLYING WITH ALL CITY OF OTTAWA REQUIREMENTS. THE CITY MAY REQUIRE CERTAIN ACTIVITIES BE CARRIED OUT ONLY BY CITY FORCES.
  - TRACER WIRE SHALL BE PROVIDED FOR ALL NEW WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD W98.
  - WATERMANS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES. WHERE SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED.
  - WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2
  - COMMISSIONING INCLUDING HYDROSTATIC AND LEAKING TESTING, SWABING AND INITIAL FLUSHING, DISINFECTION, FINAL FLUSHING, AND BACTERIOLOGICAL TESTING IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATION F-4491 INCLUDING COORDINATION WITH CITY OF OTTAWA DRINKING WATER SERVICES.
  - 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 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.
  - MAINTENANCE HOLE LADDERS SHALL BE IN ACCORDANCE WITH OPSD 406.010 EXCEPT WHERE OTHERWISE NOTED.
  - MAINTENANCE HOLE SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.020.
  - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S6 AND S7.
  - ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSD 407 AND 410.
  - CONTRACTOR TO CONFIRM ELEVATION 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 PER CITY OF OTTAWA STANDARD DETAIL S35.
  - CONTRACTOR TO NOTIFY 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 DRIP 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 OPSD 1003.010.
  - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSD 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.



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	Parsons
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	Callies

Sheet Reviewer	Author
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MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW COSTING
04	2023-08-29	ROAD E RETAINING WALL REVIEW
05	2023-09-01	90% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW COSTING
07	2023-10-06	ISSUED FOR FLUOTA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH S4.3
09	2023-11-28	ISSUED FOR REVIEW COSTING
10	2023-12-04	ISSUED FOR WATERMAIN DEVELOPMENT ON PAVING
11	2024-01-17	ISSUED FOR DELIBERATE AUTHORITY REPORT
12	2024-02-05	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 1033082  
Original Issue: 10/21/23

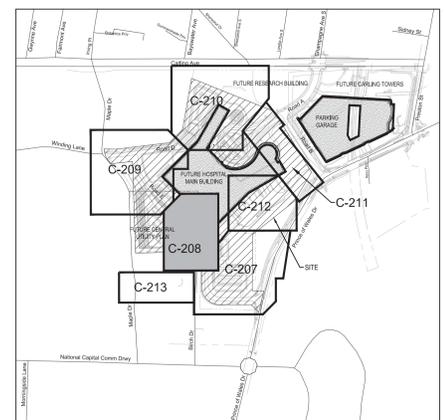
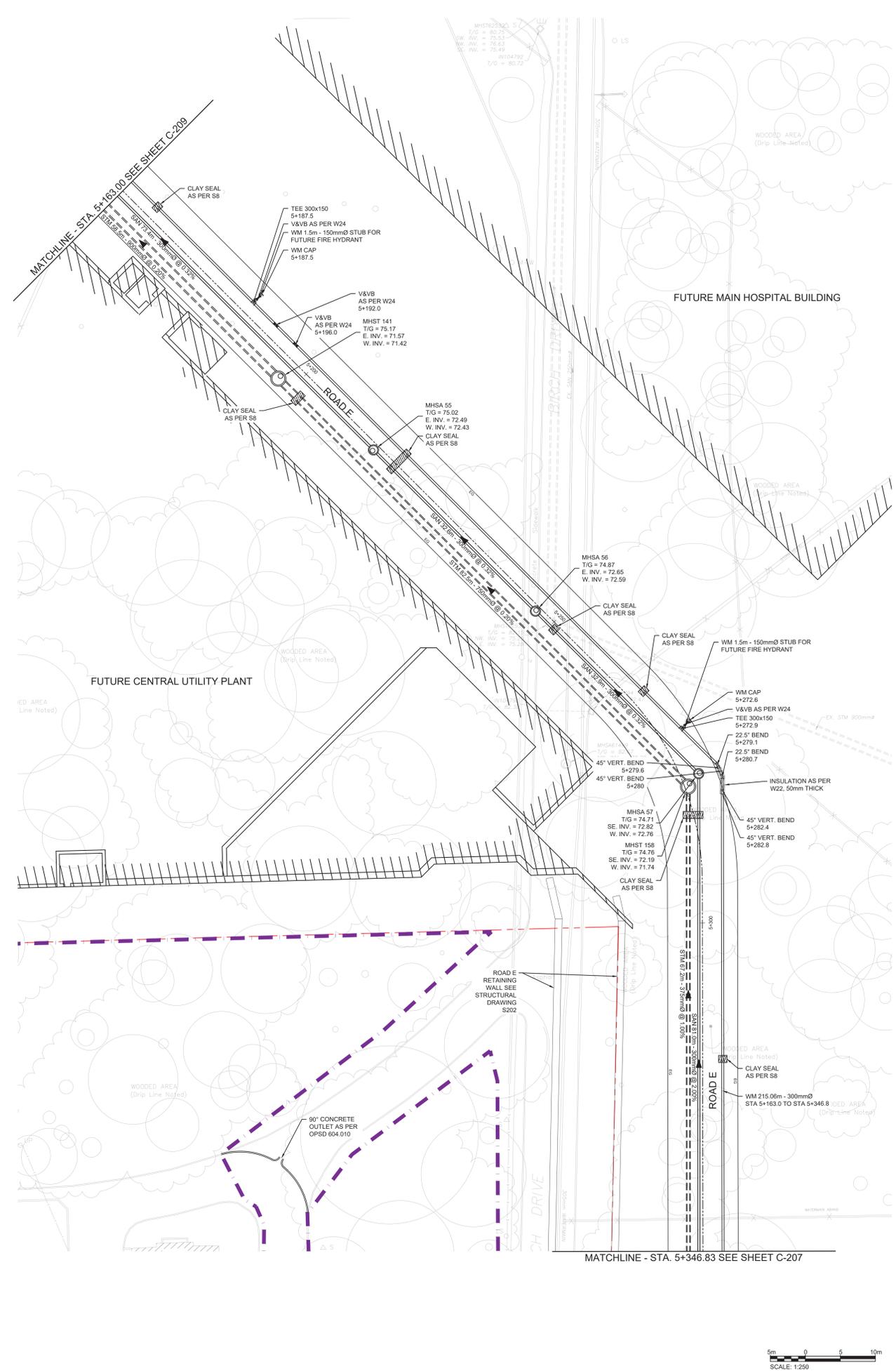
**NOT FOR CONSTRUCTION**

Advance Works  
SERVICES RELOCATIONS  
PLAN 1

Sheet Number: **C207**  
Project Status: STAGE 3

D07-12-22-0168

THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.



- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELUS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - PROPOSED GRADE
  - LIMIT OF WORK
  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSION CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PIPE INSULATION
  - BOREHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA ORIGINLINE

**APPROVED**  
By Lily Xu at 12:50 pm, Jun 05, 2024

*Lily Xu*  
**LILY XU, MCIP, RPP**  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

- NOTES: GENERAL**
1. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARDS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
  2. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
  3. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
  4. JOB BENCH MARK - REFER TO SURVEY BY ADV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
  5. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
  6. STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
  7. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
  8. 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 CITY OF OTTAWA DETAIL R10.
  9. CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC1.1. ELEVATIONS AT CURBS INDICATE THE GRADE AT THE FINISHED ROAD SURFACE UNLESS NOTED OTHERWISE.
  10. RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF ALL APPROVAL AUTHORITIES.
  11. ALL MATERIAL SUPPLIED AND PLACED FOR ROADS, PATHWAYS, SIDEWALKS, CONSTRUCTION ACCESS, ETC. CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.
  12. ABUTTING PROPERTY GRADE TO BE MATCHED.
  13. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPROVAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
  14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
  15. 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 BASINS.
  16. 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.
  17. 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, PERMIT TO TAKE WATER, ENVIRONMENTAL COMPLIANCE APPROVAL, ETC.
  18. 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.
  19. REFER TO ARCHITECT AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
  20. REFER TO GEOTECHNICAL REPORTS FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
  21. CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
- NOTES: WATERMAIN**
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER PERMIT AS REQUIRED FROM THE CITY OF OTTAWA AND COMPLYING WITH ALL CITY OF OTTAWA REQUIREMENTS. THE CITY MAY REQUIRE CERTAIN ACTIVITIES BE CARRIED OUT ONLY BY CITY FORCES.
  26. TRACER WIRE SHALL BE PROVIDED FOR ALL NEW WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD W36.
  27. WATERMANS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES. WHERE SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED.
  28. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2
  29. COMMISSIONING INCLUDING HYDROSTATIC AND LEAKING TESTING, SWABBING AND INITIAL FLUSHING, DISINFECTION, FINAL FLUSHING, AND BACTERIOLOGICAL TESTING IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATION F-4491 INCLUDING COORDINATION WITH CITY OF OTTAWA DRINKING WATER SERVICES.
  30. SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  31. 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.
  32. WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
  33. CONCRETE THRUST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W25.3, W25.4 (TABLE 3), W25.5 AND W25.6.
  34. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
  35. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
  36. EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR, CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
  37. HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W19.
  38. WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.
- NOTES: SEWER**
39. SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  40. MAINTENANCE HOLE LADDERS SHALL BE IN ACCORDANCE WITH OPSD 406.010 EXCEPT WHERE OTHERWISE NOTED.
  41. MAINTENANCE HOLE SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.020.
  42. SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S6 AND S7.
  43. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSD 407 AND 410.
  44. 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.
  45. ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION CITY OF OTTAWA STANDARD DETAIL S35.
  46. CONTRACTOR TO CCTV ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
  47. 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.
  48. SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11.1, S11.1.1, AND S11.2.
  49. INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S1 AND S2.
  50. CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
  51. SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
  52. MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSD 1003.010.
  53. BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSD 701.021.
  54. ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
  55. ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.



HDR Architecture Associates Inc.  
300 Richmond Road, Suite 200  
Ottawa, Ontario K1Z 1X6



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ESP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	HDR
Interior Designer	HDR
Equipment Planner	Collins
Welding	

MARK DATE	DESCRIPTION
01 2023-07-24	ISSUED FOR INTERNAL REVIEW
02 2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03 2023-08-11	ISSUED FOR REVIEW & COSTING
04 2023-08-23	ROAD E RETAINING WALL REVIEW
05 2023-08-31	95% DESIGN DEVELOPMENT DRAWINGS
06 2023-09-20	ISSUED FOR REVIEW & COSTING
07 2023-10-05	ISSUED FOR FLUENTA - ADVANCE WORKS
08 2023-10-27	ISSUED FOR MCH S4.3
09 2023-11-28	ISSUED FOR DISCUSSION
10 2023-12-04	ISSUED FOR 95% DESIGN DEVELOPMENT ON PROGRESS
11 2024-01-17	ISSUED FOR DELIBERATION AUTHORITY PREP
12 2024-02-28	ISSUED FOR CLIENT REVIEW
13 2024-02-28	ISSUED FOR 95% DETAIL DESIGN

NOT FOR CONSTRUCTION

Advance WORKS SERVICES RELOCATIONS PLAN 2

Sheet Number  
**C208**  
Project Status  
STAGE 3

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Wednesday, February 7, 2024 3:52:38 PM

D07-12-22-0168



**LEGEND**

- EXISTING BELL
- EXISTING GAS
- EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING TRAFFIC
- EXISTING ABANDONED SEWER OR WATERMAIN
- FACILITY LEASE BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED GRADE
- LIMIT OF WORK
- PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
- EXISTING CONCRETE CURB
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSION CURB
- PROPOSED BUILDING OR STRUCTURE
- EXISTING WATERMAIN
- EXISTING VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- EXISTING FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- PROPOSED WATERMAIN
- PROPOSED VALVE & VALVE BOX
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PIPE INSULATION
- BORING
- EXISTING TREE AND CRITICAL ROOT ZONE
- ROAD CENTERLINE
- PROPOSED EDGE OF GRANULAR B
- EXISTING TUNNEL
- WOODED AREA DRIP LINE



HDR Architecture Associates Inc.  
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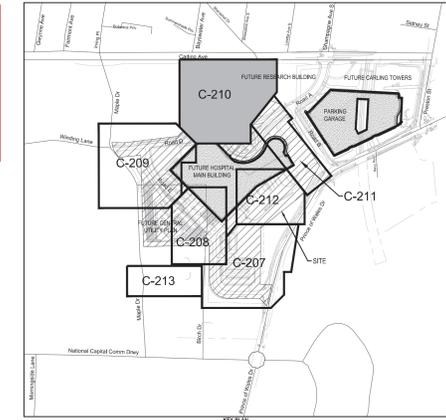
THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT



**APPROVED**  
By Lily Xu at 3:34 pm, Jun 05, 2024

*Lily Xu*

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



- NOTES: GENERAL**
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARDS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
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  - 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.
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  - CURBS TO BE CONCRETE BARRIER, CONSTRUCTED AS PER CITY OF OTTAWA DETAIL SC1.1. 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 ALL APPROVAL AUTHORITIES.
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  - ADJUSTING PROPERTY GRADE TO BE MATCHED.
  - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPROVAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
  - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
  - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND CATCHBASIN MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE CATCH BASINS.
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  - TRACER WIRE SHALL BE PROVIDED FOR ALL NEW WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD W36.
  - WATERMANS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES. WHERE SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED.
  - WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.
  - COMMISSIONING INCLUDING HYDROSTATIC AND LEAKING, SWABBING AND INITIAL FLUSHING, DISINFECTION, FINAL FLUSHING, AND BACTERIOLOGICAL TESTING IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATION F-489 INCLUDING COORDINATION WITH CITY OF OTTAWA DRINKING WATER SERVICES.
  - SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
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  - WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
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  - 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.
  - MAINTENANCE HOLE LEADS SHALL BE IN ACCORDANCE WITH OPS 406.010 EXCEPT WHERE OTHERWISE NOTED.
  - MAINTENANCE HOLE SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPS 404.020.
  - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S6 AND S7.
  - ALL WORK SHALL BE ACCOMPLISHED AS APPLICABLE IN ACCORDANCE WITH OPS 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 CITY OF OTTAWA STANDARD DETAIL S35.
  - CONTRACTOR TO CUT ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
  - PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
  - SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINKLING 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.
  - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSD 1003.010.
  - CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
  - SUPPORT FOR EXISTING UTILITIES CROSSING OVER WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
  - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
  - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSD 701.021.
  - ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.

**THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.**



**Architect**

HDR  
Landscape Architect  
Civil Engineer  
Structural Engineer  
Mechanical Engineer  
Electrical Engineer  
Planning Engineer  
Interior Designer  
Equipment Planner  
Wayfinding

**Sheet Reviewer** | **Author**

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-28	ROAD E RETAINING WALL REVIEW
05	2023-08-31	90% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR FILEDIA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH S43
09	2023-11-28	ISSUED FOR DESIGN/CONSTRUCTION
10	2023-12-04	ISSUED FOR PRELIMINARY DEVELOPMENT OF PHASING
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/07/24

**NOT FOR CONSTRUCTION**

Advance Works  
Services Relocations  
Plan 4

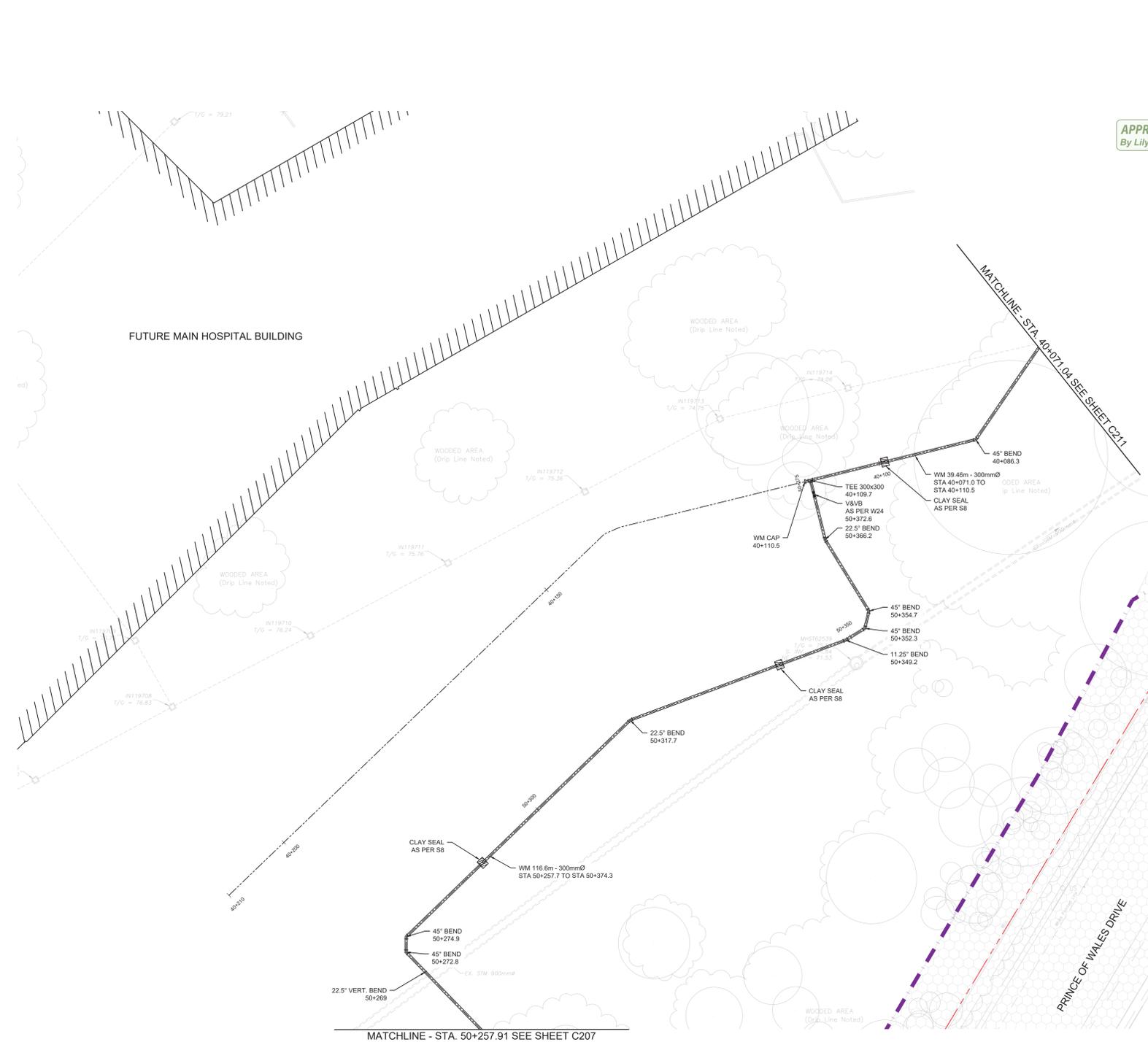
Sheet Number: **C210**

Project Status: STAGE 3

D07-12-22-0168

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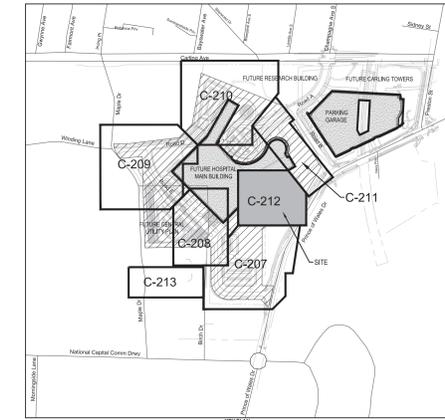




**APPROVED**  
By Lily Xu at 3:30 pm, Jun 05, 2024

*Lily Xu*

LILY XU, MCIIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



**LEGEND**

[Symbol]	EXISTING BELL
[Symbol]	EXISTING GAS
[Symbol]	EXISTING HYDRO
[Symbol]	EXISTING STREETLIGHT
[Symbol]	EXISTING TELLUS
[Symbol]	EXISTING TRAFFIC
[Symbol]	EXISTING ABANDONED SEWER OR WATERMAIN
[Symbol]	FACILITY LEASE BOUNDARY
[Symbol]	EXISTING PROPERTY LINE
[Symbol]	PROPOSED GRADE
[Symbol]	LIMIT OF WORK
[Symbol]	PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
[Symbol]	EXISTING CONCRETE CURB
[Symbol]	PROPOSED CONCRETE CURB
[Symbol]	PROPOSED DEPRESSED CURB
[Symbol]	PROPOSED BUILDING OR STRUCTURE
[Symbol]	EXISTING WATERMAIN
[Symbol]	EXISTING VALVE CHAMBER
[Symbol]	EXISTING VALVE & VALVE BOX
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	PROPOSED VALVE CHAMBER
[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
[Symbol]	PROPOSED PIPE INSULATION
[Symbol]	BORNEHOLE
[Symbol]	EXISTING TREE AND CRITICAL ROOT ZONE
[Symbol]	ROAD CENTERLINE
[Symbol]	PROPOSED EDGE OF GRANULAR B
[Symbol]	EXISTING TUNNEL
[Symbol]	WOODED AREA DRIPLINE

- NOTES - GENERAL**
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARDS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
  - CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
  - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
  - JOB BENCH MARK - REFER TO SURVEY BY AOV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
  - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
  - STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
  - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
  - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT RESTATEMENT SHALL BE WITH STEP JOINTS OF 300mm WIDTH MINIMUM IN ACCORDANCE WITH CITY OF OTTAWA DETAIL R10.
  - 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 ALL APPROVAL AUTHORITIES.
  - ALL MATERIAL SUPPLIED AND PLACED FOR ROADS, PATHWAYS, SIDEWALKS, CONSTRUCTION ACCESS, ETC. 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 ALL APPROVAL 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, PERMIT TO TAKE WATER, ENVIRONMENTAL COMPLIANCE APPROVAL, 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 REPORTS 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**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER PERMIT AS REQUIRED FROM THE CITY OF OTTAWA AND COMPLYING WITH ALL CITY OF OTTAWA REQUIREMENTS. THE CITY MAY REQUIRE CERTAIN ACTIVITIES BE CARRIED OUT ONLY BY CITY FORCES.
  - TRACER WIRE SHALL BE PROVIDED FOR ALL NEW WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD W38.
  - WATERMANS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES, WHERE SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED.
  - WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2
  - COMMISSIONING INCLUDING HYDROSTATIC AND LEAKING TESTING, SWABING AND INITIAL FLUSHING, DISINFECTION, FINAL FLUSHING, AND BACTERIOLOGICAL TESTING IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATION F-4491 INCLUDING COORDINATION WITH CITY OF OTTAWA DRINKING WATER SERVICES.
  - 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 BEDDINGS AS PER CITY OF OTTAWA STANDARD W17.
  - CONCRETE THURST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W23.3, W25.4 (TABLE 3), W25.5 AND W25.6.
  - CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
  - IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
  - EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
  - HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W19.
  - WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.

- NOTES - SEWER**
- SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  - MAINTENANCE HOLE LADDERS SHALL BE IN ACCORDANCE WITH OPSS 406.010 EXCEPT WHERE OTHERWISE NOTED.
  - MAINTENANCE HOLE SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSS 404.020.
  - SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S6 AND S7.
  - 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 CITY OF OTTAWA STANDARD DETAIL S35.
  - CONTRACTOR TO CCTV ALL NEW SEWERS, 250mm OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
  - PROVIDE SANITARY BACKWATER VALVES IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14.1 AND FOUNDATION DRAIN BACKWATER VALVE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S14. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
  - SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
  - INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S1 AND S2.
  - CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
  - SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
  - MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSS 1003.010.
  - BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSS 701.021.
  - ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
  - ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.

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Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ESP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer: [ ] Author: [ ]

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROADS RETAINING WALL REVIEW
05	2023-08-31	8% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUFLIA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCM 1A3
09	2023-11-28	ISSUED FOR DISSEMINATION
10	2023-12-04	ISSUED FOR PRELIMINARY DEVELOPMENT OF PHASING
11	2024-01-17	ISSUED FOR DELIBERATED AUTHORITY REPORT
12	2024-02-26	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 8% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 020120

NOT FOR CONSTRUCTION

Advance Works  
Services Relocations  
Plan 6

Sheet Number  
**C212**

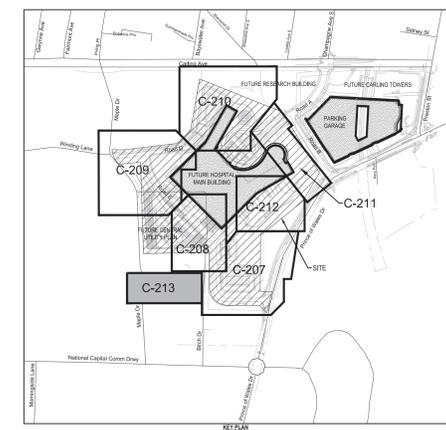
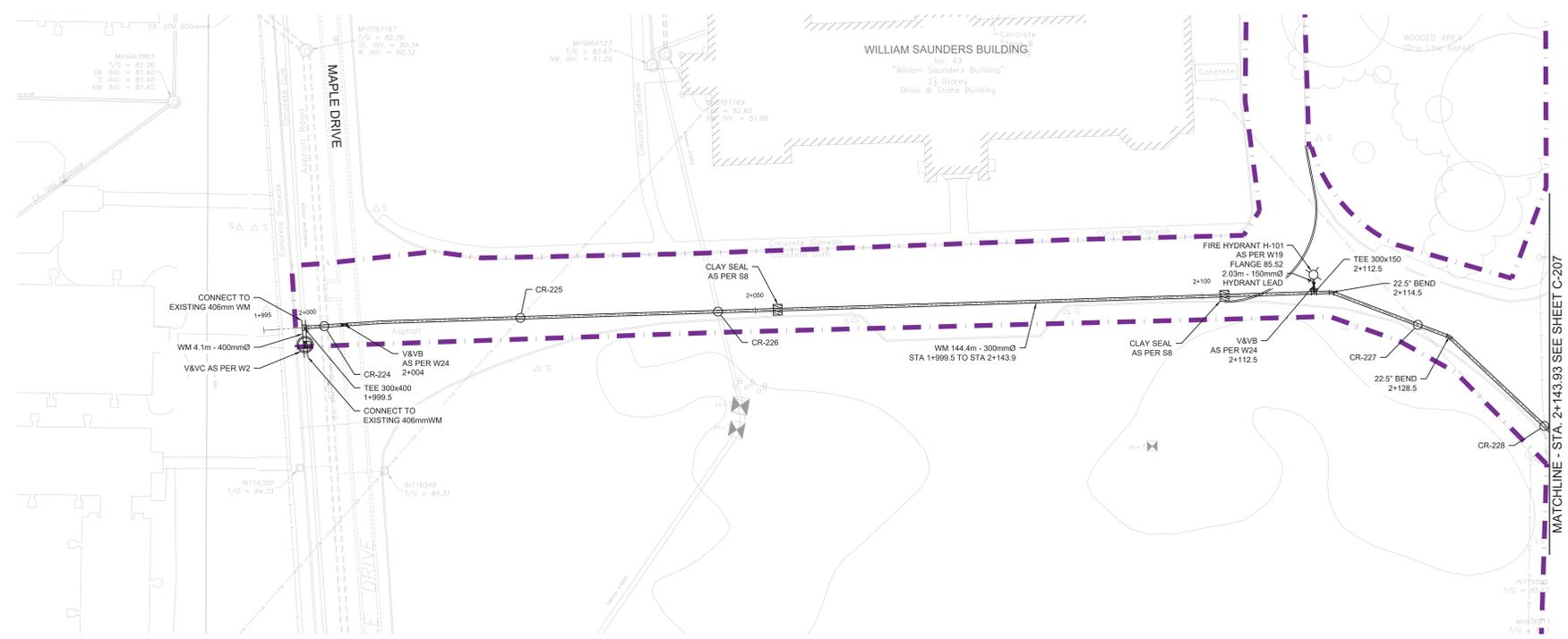
Project Status  
STAGE 3

APPROVED  
By Lily Xu at 3:25 pm, Jun 05, 2024

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

**LEGEND:**

	EXISTING BELL
	EXISTING GAS
	EXISTING HYDRO
	EXISTING STREETLIGHT
	EXISTING TELLUS
	EXISTING TRAFFIC
	EXISTING ABANDONED SEWER OR WATERMAIN
	FACILITY LEASE BOUNDARY
	EXISTING PROPERTY LINE
	PROPOSED GRADE
	LIMIT OF WORK
	PROPOSED OFF-SITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
	EXISTING CONCRETE CURB
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CURB
	PROPOSED BUILDING OR STRUCTURE
	EXISTING WATERMAIN
	EXISTING VALVE CHAMBER
	EXISTING VALVE & VALVE BOX
	EXISTING FIRE HYDRANT
	PROPOSED VALVE CHAMBER
	PROPOSED WATERMAIN
	PROPOSED VALVE & VALVE BOX
	PROPOSED FIRE HYDRANT
	EXISTING SANITARY SEWER AND MANHOLE
	PROPOSED SANITARY SEWER AND MANHOLE
	EXISTING STORM SEWER AND MANHOLE
	PROPOSED STORM SEWER AND MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED PIPE INSULATION BOREHOLE
	EXISTING TREE AND CRITICAL ROOT ZONE
	ROAD CENTERLINE
	PROPOSED EDGE OF GRANULAR B
	EXISTING TUNNEL
	WOODED AREA DRILINE

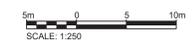


- NOTES: GENERAL**
1. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARDS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
  2. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
  3. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
  4. JOB BENCH MARK - REFER TO SURVEY BY AOV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
  5. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
  6. STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
  7. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
  8. 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 CITY OF OTTAWA DETAIL R10.
  9. 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.
  10. RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF ALL APPROVAL AUTHORITIES.
  11. ALL MATERIAL SUPPLIED AND PLACED FOR ROADS, PATHWAYS, SIDEWALKS, CONSTRUCTION ACCESS, ETC. CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.
  12. ABUTTING PROPERTY GRADE TO BE MATCHED.
  13. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPROVAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
  14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
  15. 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 BASINS.
  16. 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.
  17. 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, PERMIT TO TAKE WATER, ENVIRONMENTAL COMPLIANCE APPROVAL, ETC.
  18. AT PROPOSED UTILITIES 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.
  19. REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
  20. REFER TO GEOTECHNICAL REPORTS FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS.
  21. CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.

- NOTES: WATERMAIN**
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER PERMIT AS REQUIRED FROM THE CITY OF OTTAWA AND COMPLYING WITH ALL CITY OF OTTAWA REQUIREMENTS. THE CITY MAY REQUIRE CERTAIN ACTIVITIES BE CARRIED OUT ONLY BY CITY FORCES.
  26. TRACER WIRE SHALL BE PROVIDED FOR ALL NEW WATERMANS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD W36.
  27. WATERMANS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES, WHERE SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED.
  28. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2
  29. COMMISSIONING INCLUDING HYDROSTATIC AND LEAKING TESTING, SWABBING AND INITIAL FLUSHING, DISINFECTION, FINAL FLUSHING, AND BACTERIOLOGICAL TESTING IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATION F-491 INCLUDING COORDINATION WITH CITY OF OTTAWA DRINKING WATER SERVICES
  30. SUPPLY AND INSTALL ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  31. 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.
  32. WATERMAIN BEDDING AS PER CITY OF OTTAWA STANDARD W17.
  33. CONCRETE THRUST BLOCKS AND RESTRAINING AS PER CITY OF OTTAWA STANDARD W25.3, W25.4 (TABLE 3), W25.5 AND W25.6.
  34. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 AND W42.
  35. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
  36. EXCAVATION, INSTALLATION, AND BACKFILL BY CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN BY CITY.
  37. HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W19.
  38. WATERMAIN AND SEWER CROSSINGS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 AND W25.2.

- NOTES: SEWER**
39. SUPPLY AND INSTALL ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
  40. MAINTENANCE HOLE LADDERS SHALL BE IN ACCORDANCE WITH OPSD 406.010 EXCEPT WHERE OTHERWISE NOTED.
  41. MAINTENANCE HOLE SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.020.
  42. SEWER BEDDING AS PER CITY OF OTTAWA STANDARD S6 FOR SINGLE TRENCH AND CITY OF OTTAWA STANDARD S6 AND S7.
  43. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSD 407 AND 410.
  44. 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.
  45. ALL SEWERS WITH LESS THAN 1.5m OF COVER ARE SUBJECT TO INSULATION CITY OF OTTAWA STANDARD DETAIL S35.
  46. CONTRACTOR TO CCTV ALL NEW SEWERS, 250mmØ OR GREATER, TO ENSURE THEY ARE CLEAN AND OPERATIONAL UPON COMPLETION OF CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS.
  47. 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.
  48. SEWER CONNECTIONS TO BE MADE ABOVE THE SPRINGLINE OF THE SEWER AS PER CITY OF OTTAWA STANDARD S11, S11.1, AND S11.2.
  49. INSTALLATION OF CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S1 AND S2.
  50. CLAY SEALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S8.
  51. SUPPORT FOR EXISTING UTILITIES CROSSING A SEWER OR WATERMAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S10.
  52. MAINTENANCE HOLE DROP STRUCTURE SHALL BE IN ACCORDANCE WITH OPSD 1003.010.
  53. BENCHING FOR SANITARY MAINTENANCE HOLES SHALL BE IN ACCORDANCE WITH OPSD 701.021.
  54. ALL CATCH BASIN LEADS ARE AT 2% SLOPE UNLESS OTHERWISE NOTED.
  55. ROADWAY SUBDRAIN SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R1.

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Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ESP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	Collins

Sheet Reviewer | Author

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-24	ROAD RETAINING WALL REVIEW
05	2023-08-31	80% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDIA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCM 3A3
09	2023-11-28	ISSUED FOR OPSD DISCUSSION
10	2023-12-04	ISSUED FOR OPSD DEVELOPMENT ON PROGRESS
11	2024-01-17	ISSUED FOR DELGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number | 1033382  
Original Issue | 02/20/24

NOT FOR CONSTRUCTION

Advance Works  
Services Relocations  
Plan 7

Sheet Number  
**C213**  
Project Status  
STAGE 3

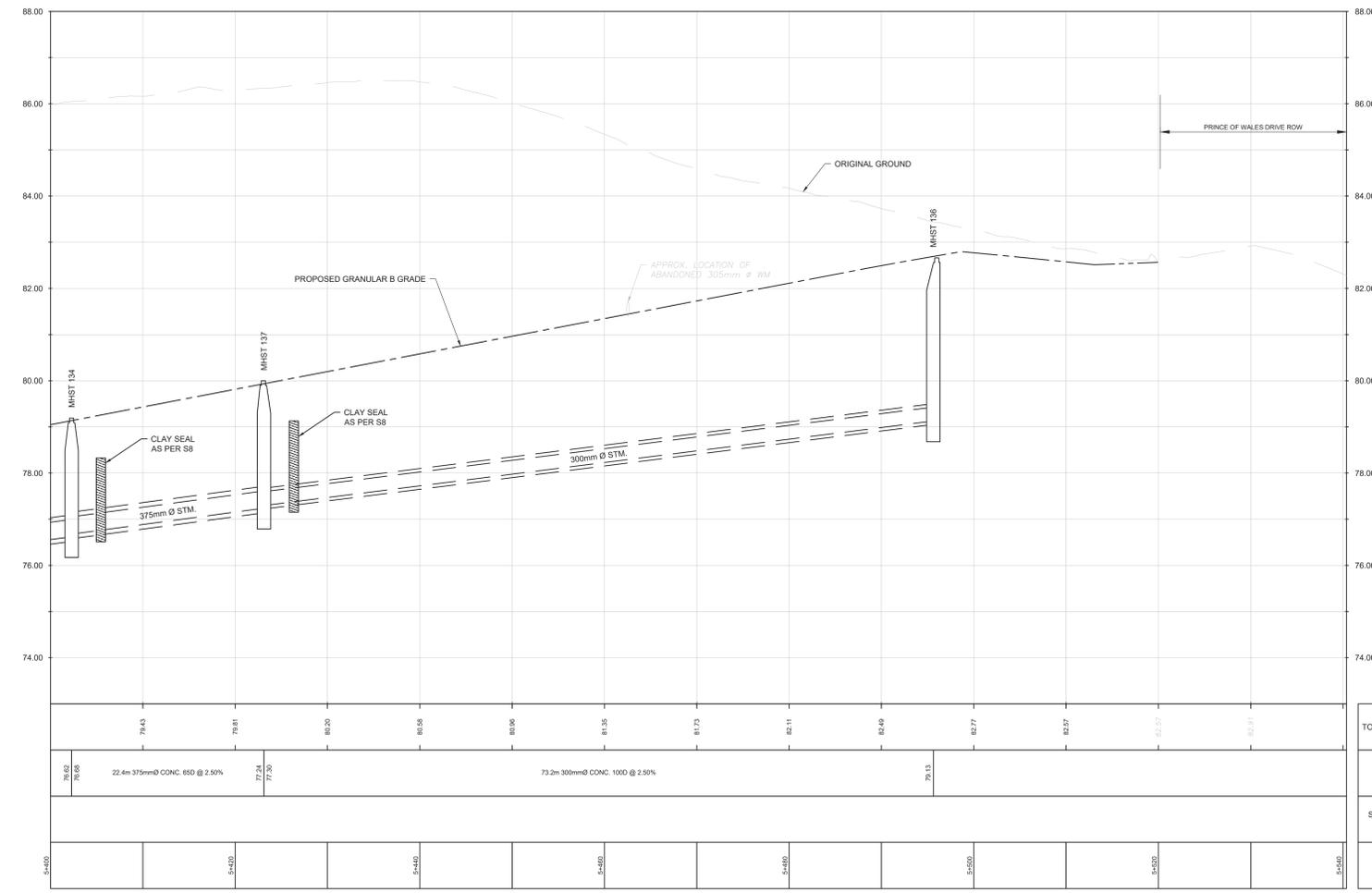
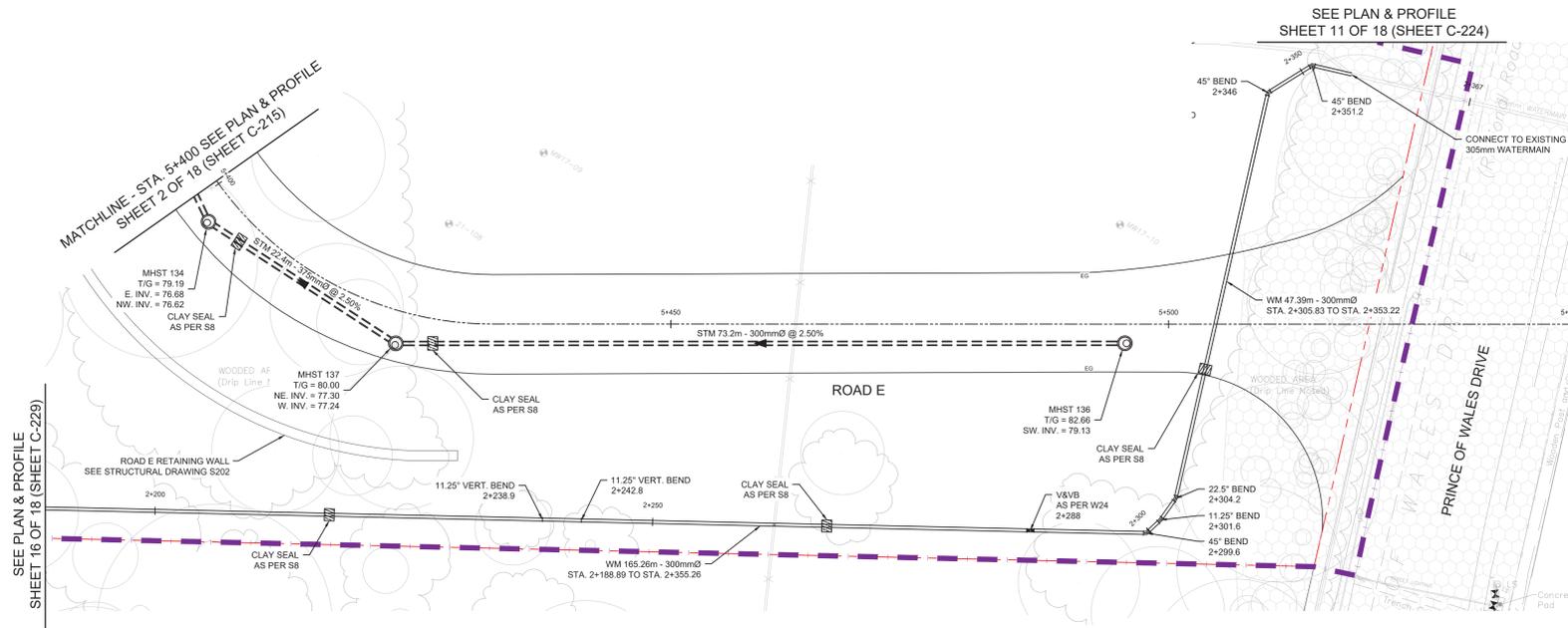
D07-12-22-0168

APPROVED  
By Lily Xu at 3:31 pm, Jun 05, 2024

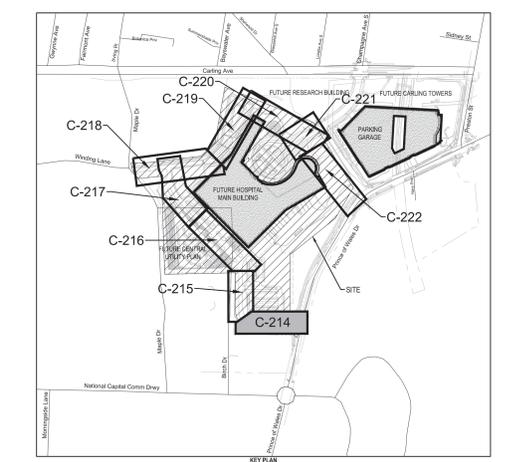
LILY XU, MCI, PMP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

LEGEND:

	EXISTING BELL
	EXISTING GAS
	EXISTING HYDRO
	EXISTING STREETLIGHT
	EXISTING TELUS
	EXISTING TRAFFIC
	EXISTING ABANDONED SEWER OR WATERMAIN
	FACILITY LEASE BOUNDARY
	EXISTING PROPERTY LINE
	PROPOSED GRADE
	LIMIT OF WORK
	PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
	EXISTING CONCRETE CURB
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CURB
	PROPOSED BUILDING OR STRUCTURE
	EXISTING WATERMAIN
	EXISTING VALVE CHAMBER
	EXISTING FIRE HYDRANT
	EXISTING VALVE & VALVE BOX
	EXISTING FIRE HYDRANT
	PROPOSED VALVE CHAMBER
	PROPOSED WATERMAIN
	PROPOSED VALVE & VALVE BOX
	PROPOSED FIRE HYDRANT
	EXISTING SANITARY SEWER AND MANHOLE
	PROPOSED SANITARY SEWER AND MANHOLE
	EXISTING STORM SEWER AND MANHOLE
	PROPOSED STORM SEWER AND MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED PIPE INSULATION
	BOREHOLE
	EXISTING TREE AND CRITICAL ROOT ZONE
	ROAD CENTERLINE
	PROPOSED EDGE OF GRANULAR B
	EXISTING TUNNEL
	WOODED AREA DRILINE



STATION	INVERT ELEVATION	PIPE DIAMETER	PIPE MATERIAL	PIPE SLOPE
5+400	76.00	375mm	CONC.	2.50%
5+450	77.20	300mm	CONC.	2.50%
5+500	79.13	300mm	CONC.	2.50%



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EDP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	Callers

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04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-01	8% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MHP 1A.3
09	2023-11-28	ISSUED FOR REVIEW & COSTING
10	2023-12-04	ISSUED FOR 8% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELIBERATIVE AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 8% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/27/24

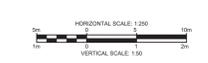
NOT FOR CONSTRUCTION

Sheet Name:  
ADVANCE WORKS  
PLAN & PROFILE  
ROAD E  
STA. 5+400 TO STA. 5+500

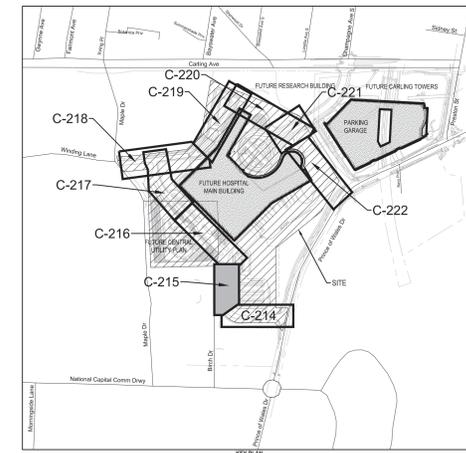
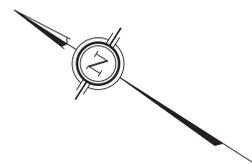
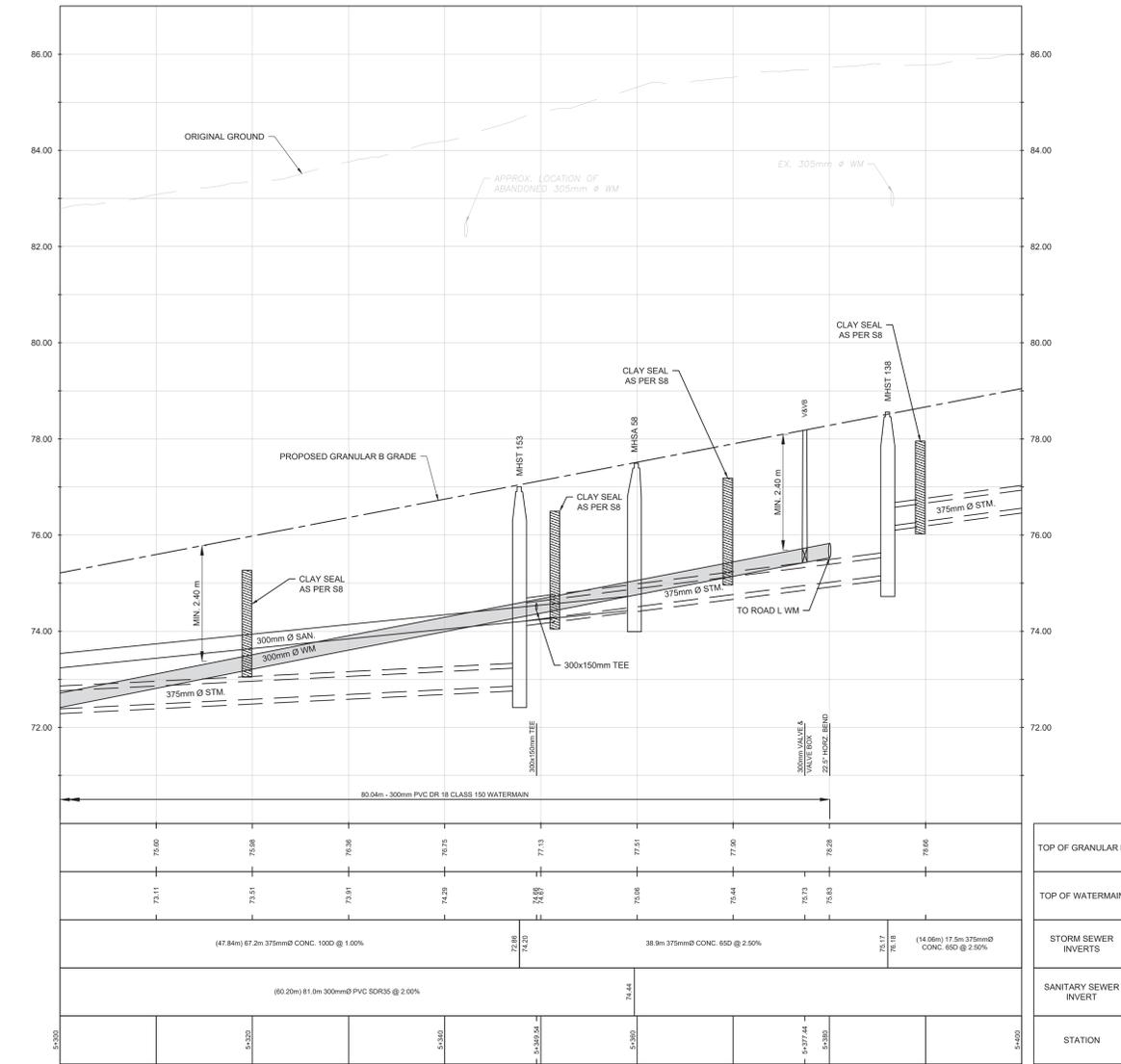
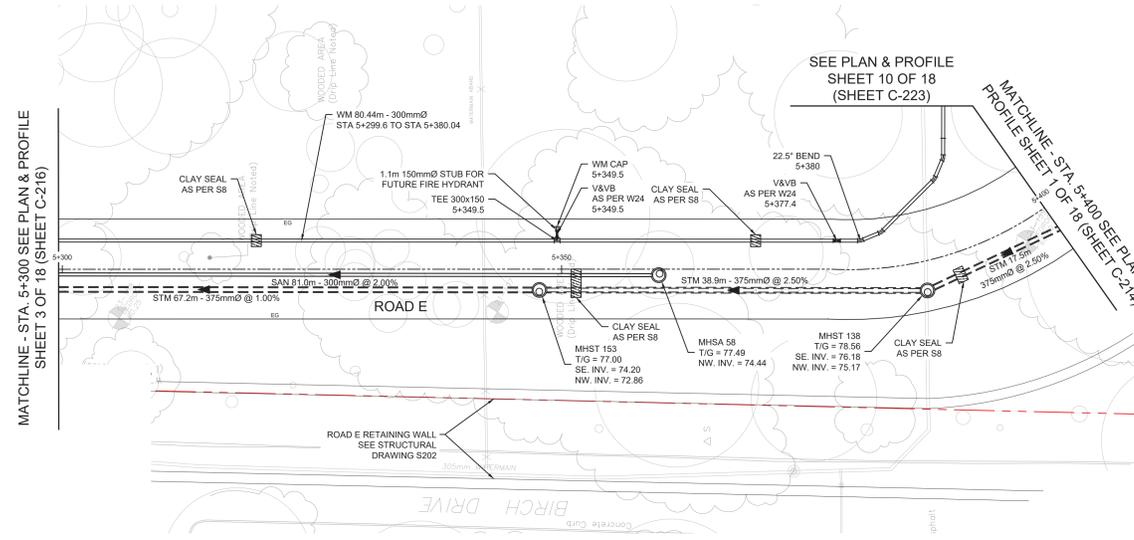
Sheet Number:  
**C214**

Project Status:  
STAGE 3

THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.



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- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELLS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - PROPOSED GRADE
  - LIMIT OF WORK
  - PROPOSED OFF-SITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSED CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PIPE INSULATION
  - BOREHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA DRIPLINE

**APPROVED**  
By Lily Xu at 3:29 pm, Jun 05, 2024

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EDP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	Collins
Wayfinding	

MARK	DATE	DESCRIPTION
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03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-01	95% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH SA 3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 95% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-08	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 95% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/07/23

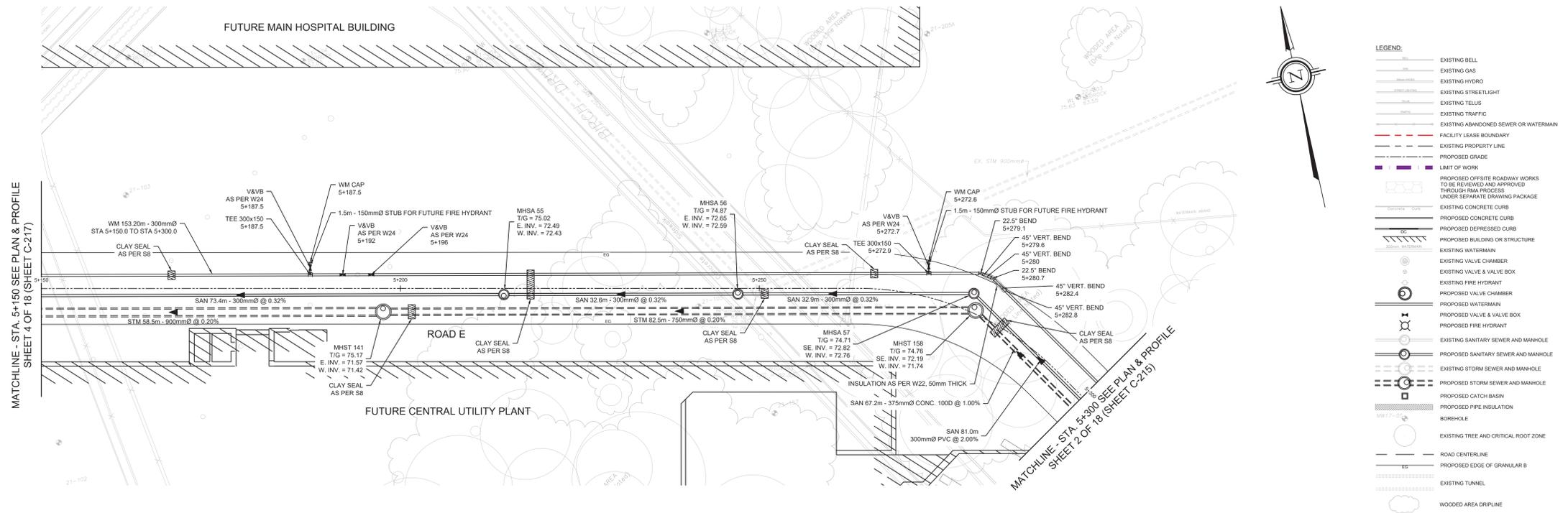
NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS PLAN & PROFILE ROAD E  
STA. 5+300 TO STA. 5+400

Sheet Number: **C215**

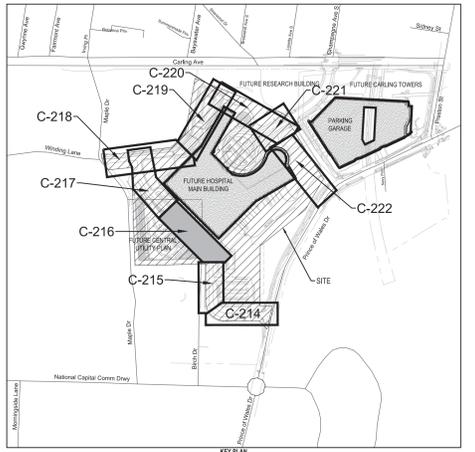
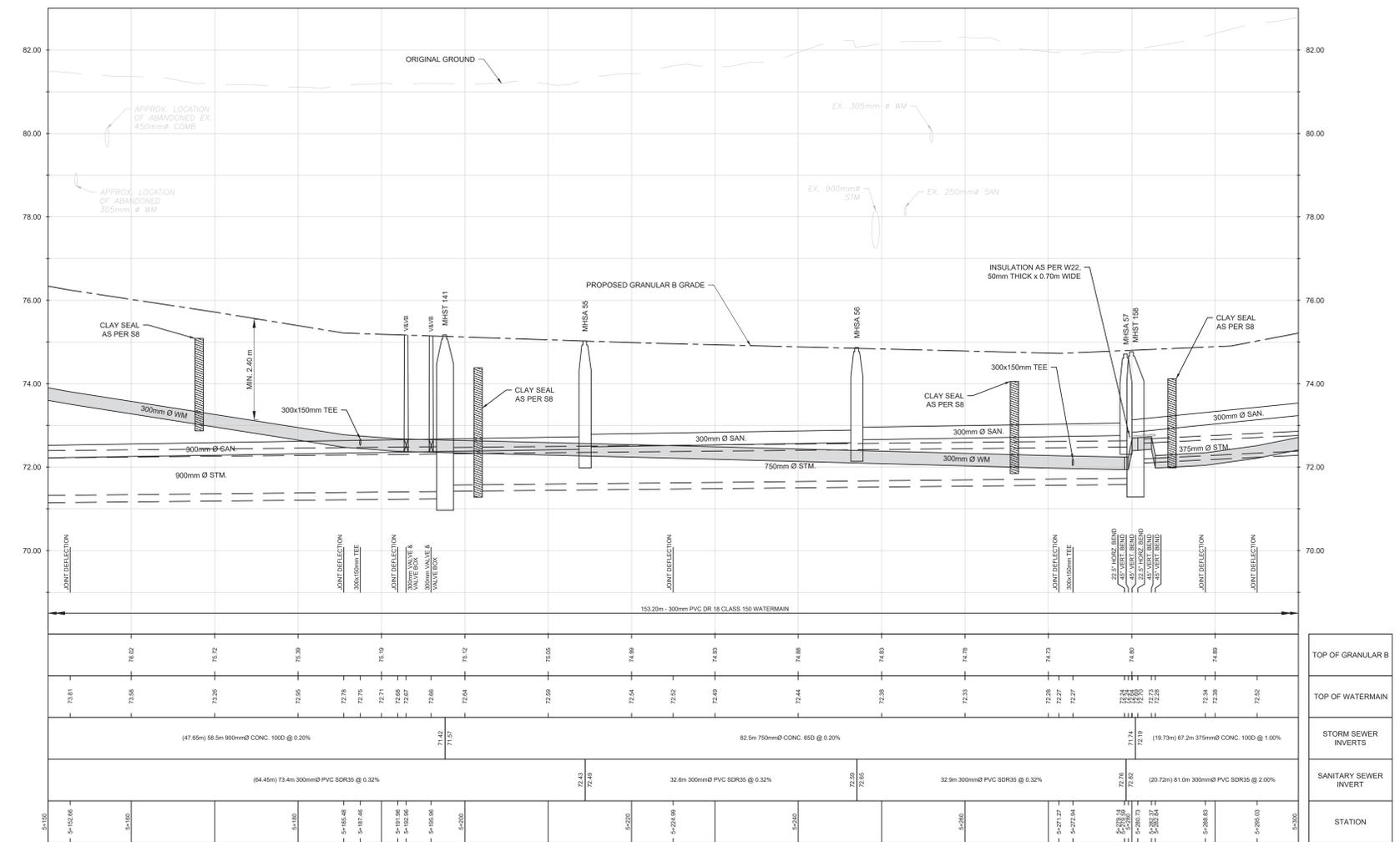
Project Status: STAGE 3

D07-12-22-0168



- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELLUS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
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  - EXISTING CONCRETE CURB
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  - PROPOSED DEPRESSED CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PIPE INSULATION
  - BOREHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA DRIPLINE

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**APPROVED**  
By Lily Xu at 3:32 pm, Jun 05, 2024

*Lily Xu*  
**LILY XU, MCIP, RPP**  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



**Architect:** HDR  
**Landscape Architect:** HDR  
**Civil Engineer:** Parsons  
**Structural Engineer:** EJP  
**Mechanical Engineer:** Smith + Anderson  
**Electrical Engineer:** Smith + Anderson  
**Planning Engineer:** Smith + Anderson  
**Interior Designer:** HDR  
**Equipment Planner:** HDR  
**Wayfinding:** Callers

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02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-08-31	9% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 9% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 9% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 020723

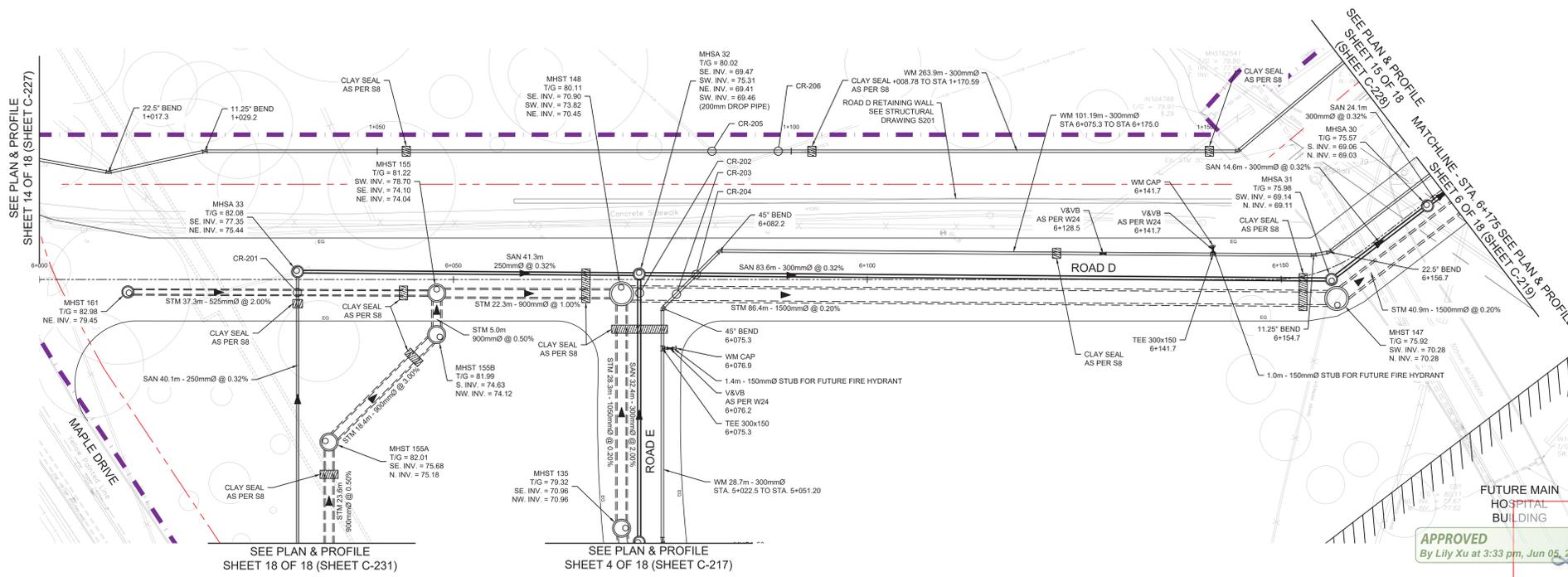
NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS  
PLAN & PROFILE  
ROAD E  
STA. 5+150 TO STA. 5+300  
Sheet Number: **C216**

Project Status: STAGE 3





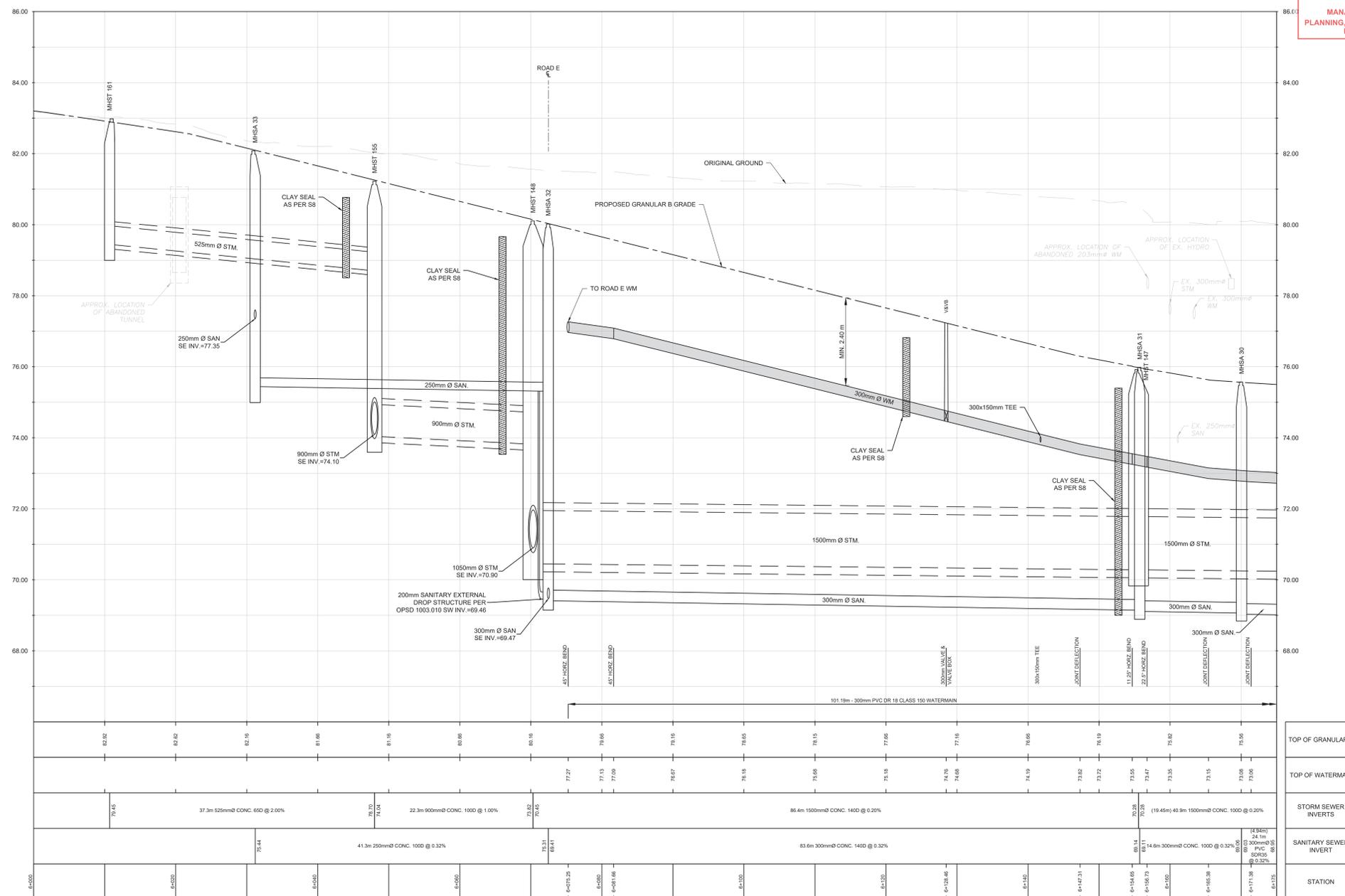
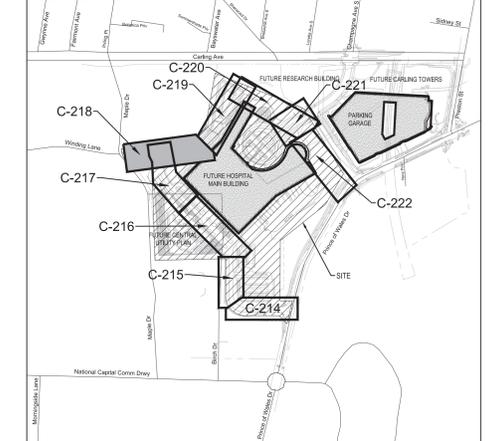


**LEGEND:**

- EXISTING BELL
- EXISTING GAS
- EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING TELUS
- EXISTING TRAFFIC
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- FACILITY LEASE BOUNDARY
- EXISTING PROPERTY LINE
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- EXISTING WATERMAIN
- EXISTING VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- EXISTING FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- PROPOSED WATERMAIN
- PROPOSED VALVE & VALVE BOX
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PIPE INSULATION
- BORERHOLE
- EXISTING TREE AND CRITICAL ROOT ZONE
- ROAD CENTERLINE
- PROPOSED EDGE OF GRANULAR B
- EXISTING TUNNEL
- WOODED AREA DRIPLINE

**APPROVED**  
By Lily Xu at 3:33 pm, Jun 05, 2024

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



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Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ESP
Mechanical Engineer	Smith + Anderson
Plumbing Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	Collins
Wayfinding	

Sheet Reviewer: Author

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05	2023-08-31	8% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 1A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 8% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 8% DETAIL DESIGN

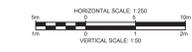
Project Number: 1033382  
Original Issue: 020719

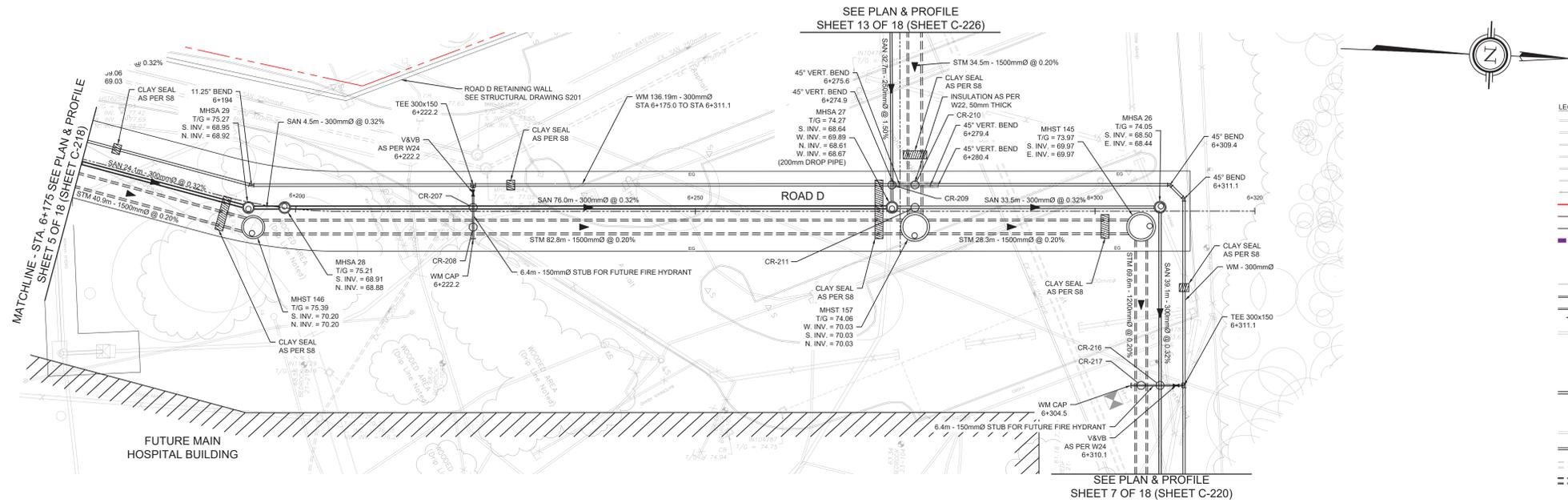
NOT FOR CONSTRUCTION

Sheet Name:  
ADVANCE WORKS  
PLAN & PROFILE  
ROAD D  
STA. 6+000 TO STA. 6+175

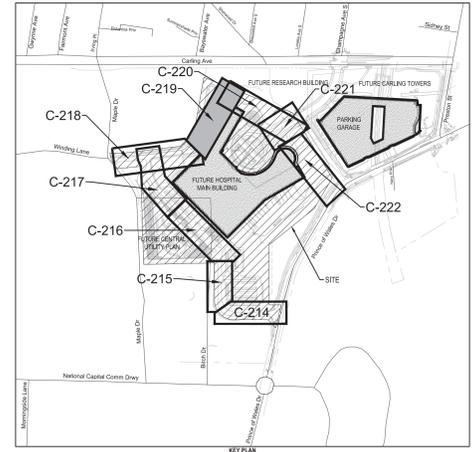
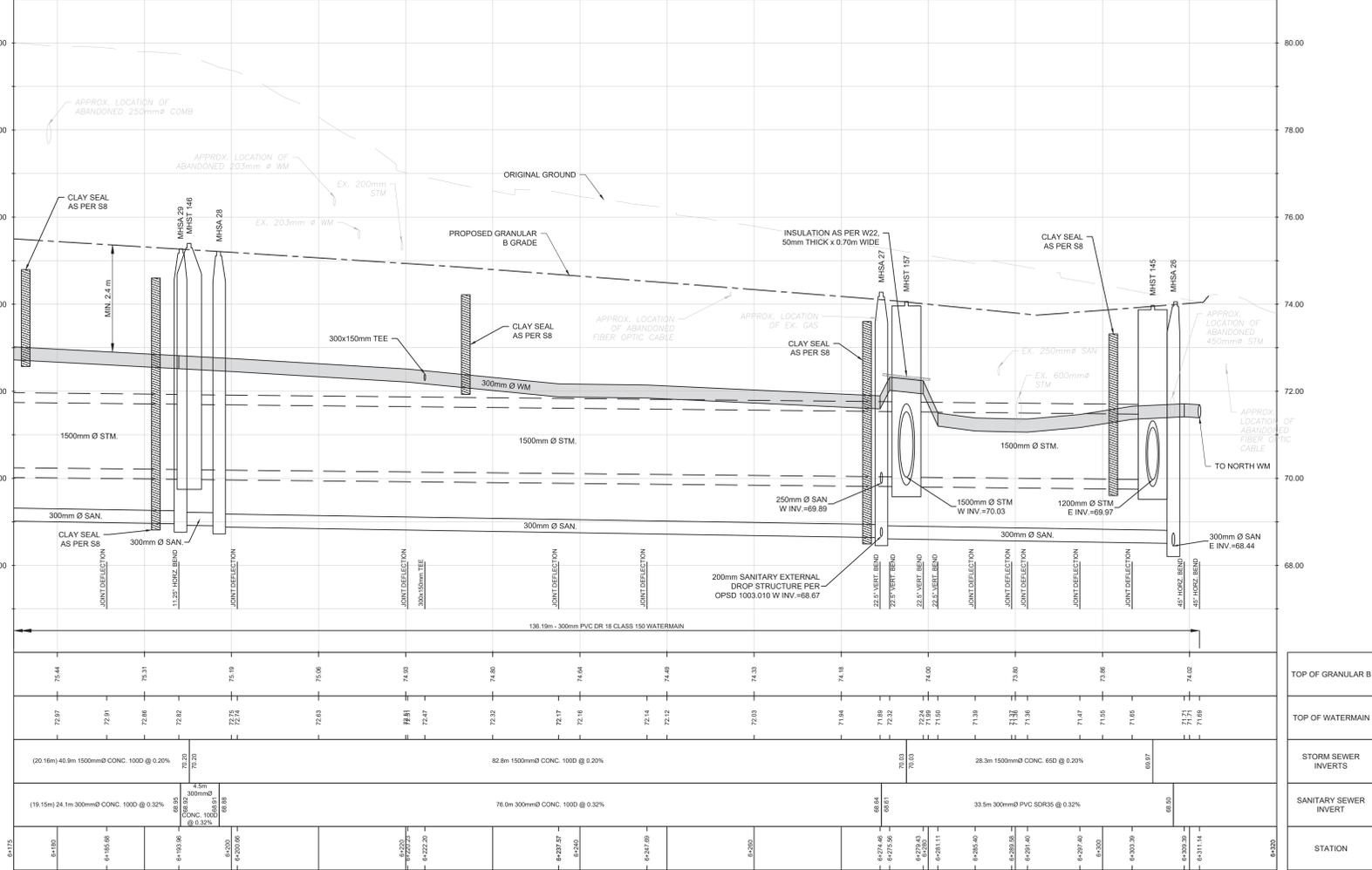
Sheet Number:  
**C218**

Project Status:  
STAGE 3





- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREET LIGHT
  - EXISTING TELLUR
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
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  - BOREHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA DRIPLINE



**APPROVED**  
By Lily Xu at 3:35 pm, Jun 05, 2024

*Lily Xu*

**LILY XU, MCIP, RPP**  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	ESP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	Callers
Wayfinding	Wayfinding

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05	2023-08-31	80% DESIGN DEVELOPMENT DRAWINGS
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08	2023-10-27	ISSUED FOR MPM 1A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 80% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/21/23

NOT FOR CONSTRUCTION

Sheet Name  
**ADVANCE WORKS  
PLAN & PROFILE  
ROAD D**  
STA. 6+175 TO STA. 6+320

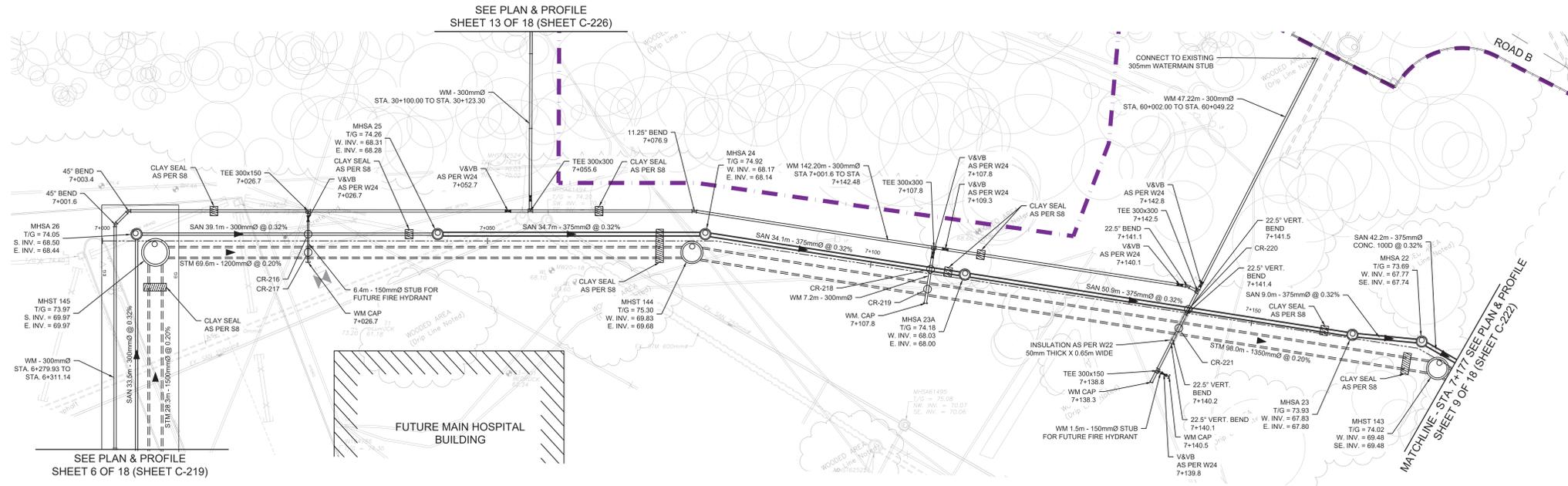
Sheet Number  
**C219**

Project Status  
STAGE 3

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**LEGEND**

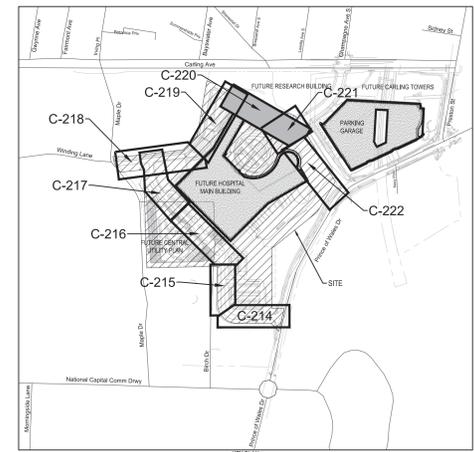
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- EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING TELLUS
- EXISTING TRAFFIC
- EXISTING ABANDONED SEWER OR WATERMAIN
- FACILITY LEASE BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED GRADE
- LIMIT OF WORK
- PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
- EXISTING CONCRETE CURB
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSED CURB
- PROPOSED BUILDING OR STRUCTURE
- EXISTING WATERMAIN
- EXISTING VALVE CHAMBER
- EXISTING FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- PROPOSED WATERMAIN
- PROPOSED VALVE & VALVE BOX
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PIPE INSULATION
- BOREHOLE
- EXISTING TREE AND CRITICAL ROOT ZONE
- ROAD CENTERLINE
- PROPOSED EDGE OF GRANULAR B
- EXISTING TUNNEL
- WOODED AREA DRIPLINE



SEE PLAN & PROFILE  
SHEET 6 OF 18 (SHEET C-219)

SEE PLAN & PROFILE  
SHEET 13 OF 18 (SHEET C-226)

MATCHLINE STA 7+177 SEE PLAN & PROFILE  
SHEET 19 OF 18 (SHEET C-222)



**APPROVED**  
By Lily Xu at 3:39 pm, Jun 06, 2024

*Lily Xu*

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



**Architect**  
Landscape Architect  
Civil Engineer  
Structural Engineer  
Mechanical Engineer  
Planning Engineer  
Interior Designer  
Equipment Planner  
Welding

**Author**  
HDR  
Parsons  
E3P  
Smith + Anderson  
Smith + Anderson  
HDR  
Collins  
Welding

**MARK DATE DESCRIPTION**

- 2023-07-24 ISSUED FOR INTERNAL REVIEW
- 2023-07-28 ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
- 2023-08-11 ISSUED FOR REVIEW & COSTING
- 2023-08-23 ROAD & RETAINING WALL REVIEW
- 2023-08-31 95% DESIGN DEVELOPMENT DRAWINGS
- 2023-09-20 ISSUED FOR REVIEW & COSTING
- 2023-10-05 ISSUED FOR FLUIDA - ADVANCE WORKS
- 2023-10-27 ISSUED FOR MCH 3A3
- 2023-11-28 ISSUED FOR DISCUSSION
- 2023-12-04 ISSUED FOR 95% DESIGN DEVELOPMENT ON PRELIM
- 2024-01-17 ISSUED FOR DELICATED AUTHORITY REPORT
- 2024-02-28 ISSUED FOR CLIENT REVIEW
- 2024-03-28 ISSUED FOR 95% DETAIL DESIGN

Project Number: 10333852  
Original Issue: 020723

NOT FOR CONSTRUCTION

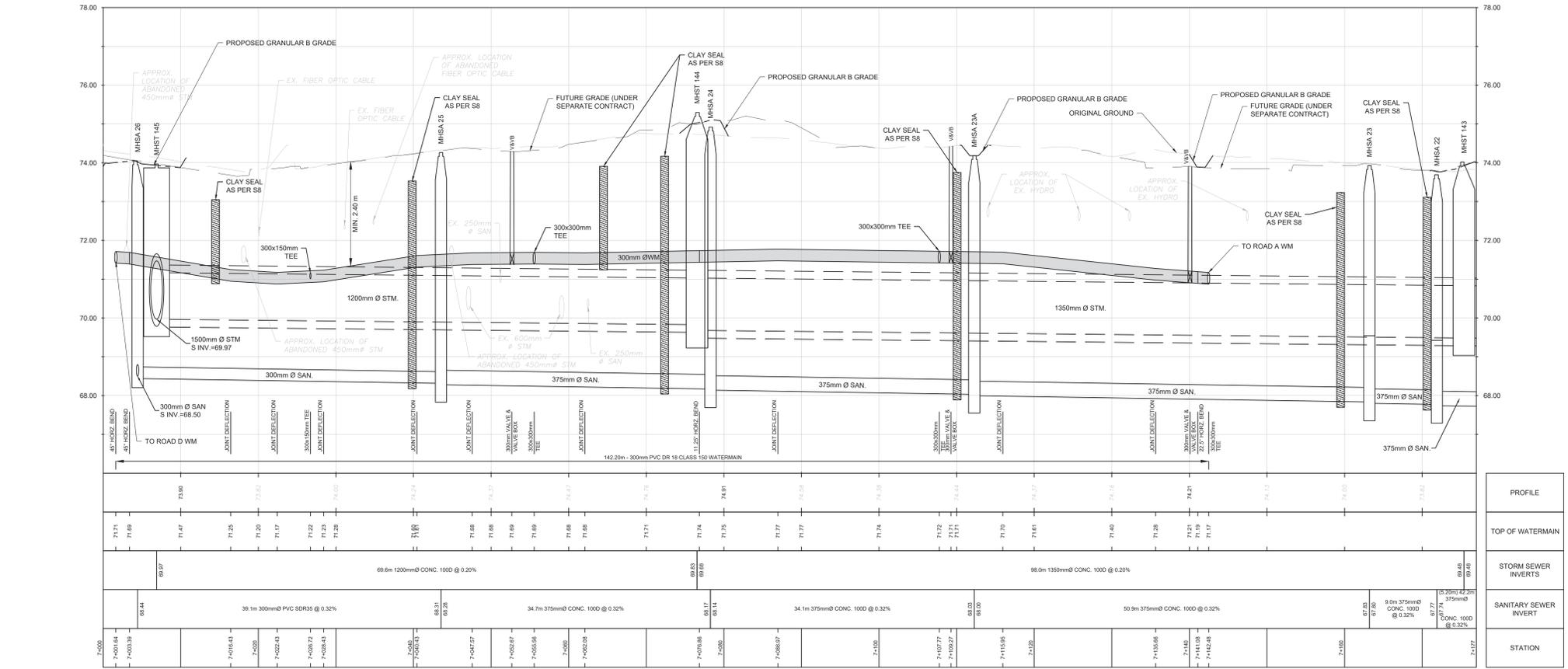
Sheet Name  
ADVANCE WORKS  
PLAN & PROFILE  
STA. 7+000 TO STA. 7+177

Sheet Number  
**C220**

Project Status  
STAGE 3

D07-22-0168

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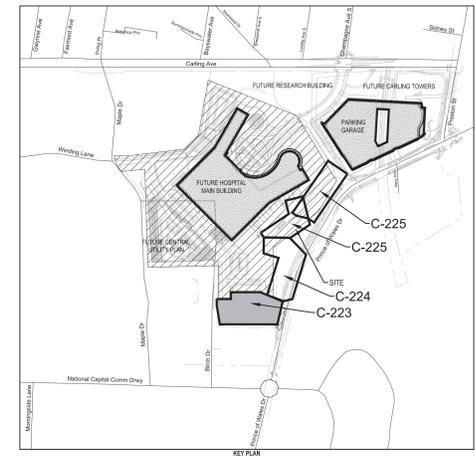
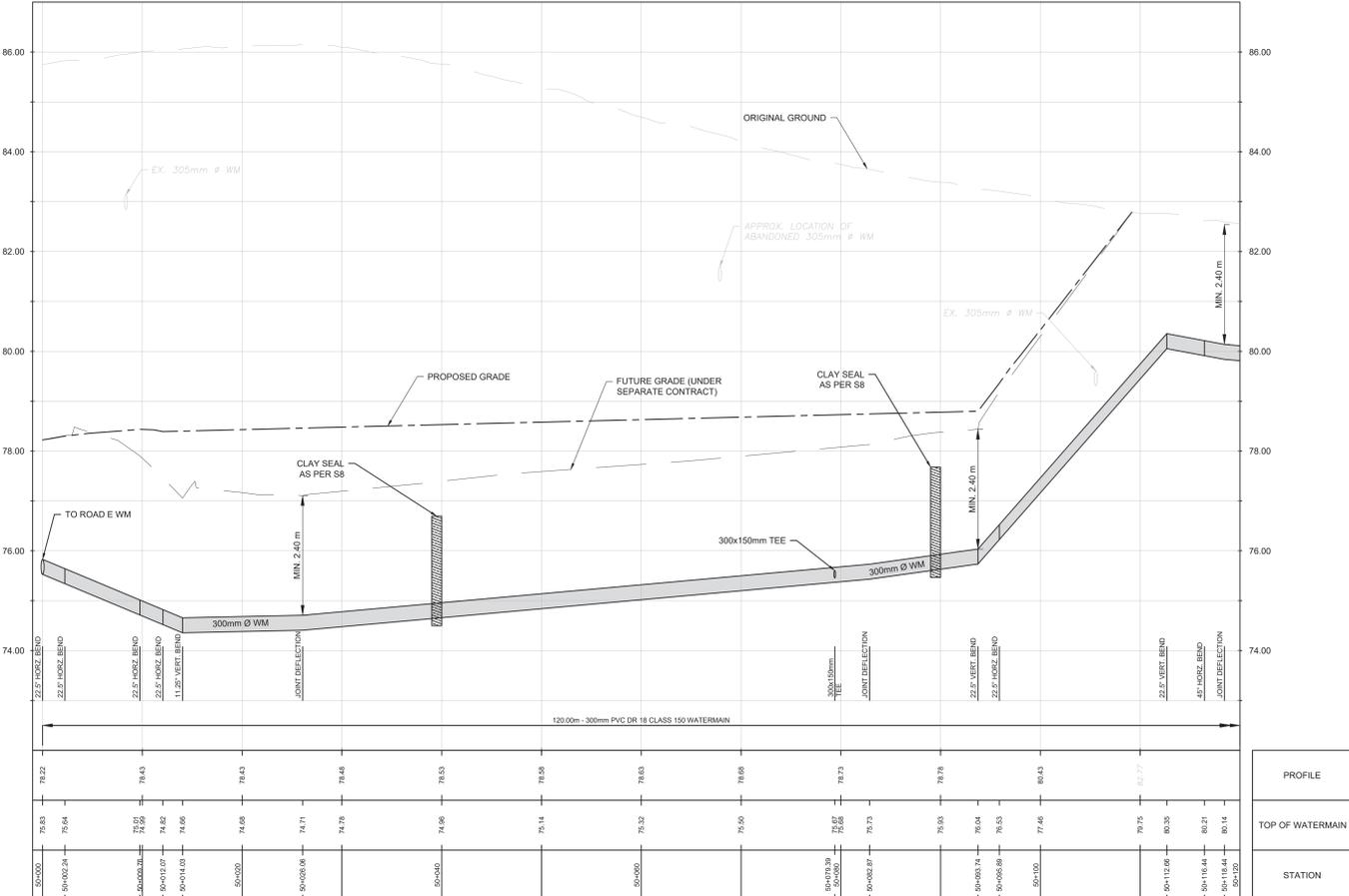
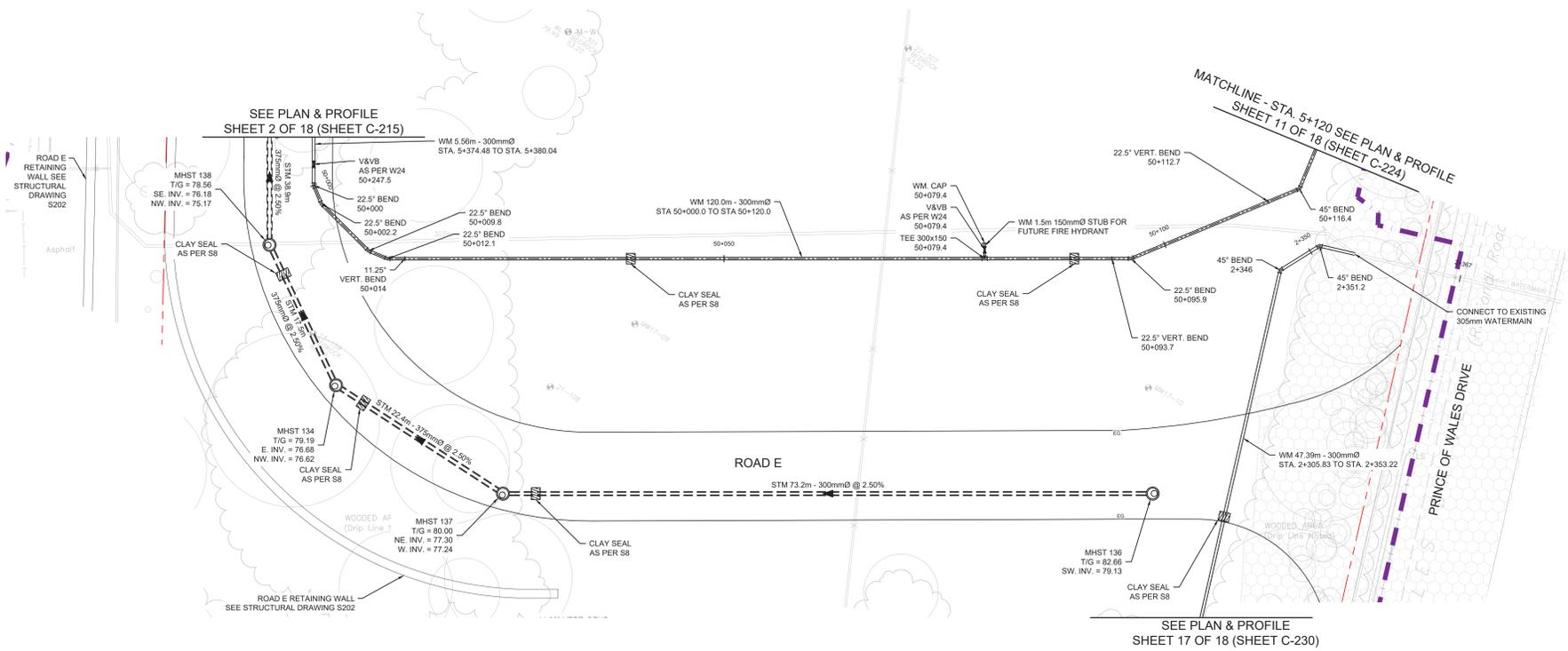


APPROVED  
By Lily Xu at 3:37 pm, Jun 06, 2024

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

LEGEND:

- EXISTING BELL
- EXISTING GAS
- EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING TELUS
- EXISTING TRAFFIC
- EXISTING ABANDONED SEWER OR WATERMAIN
- FACILITY LEASE BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED GRADE
- LIMIT OF WORK
- PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
- EXISTING CONCRETE CURB
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSED CURB
- PROPOSED BUILDING OR STRUCTURE
- EXISTING WATERMAIN
- EXISTING VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- EXISTING FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- 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
- PROPOSED PIPE INSULATION
- BOREHOLE
- EXISTING TREE AND CRITICAL ROOT ZONE
- ROAD CENTERLINE
- PROPOSED EDGE OF GRANULAR B
- EXISTING TUNNEL
- WOODED AREA DRIPLINE



Architect	HDR
Landscape Architect	HDR
Civil Engineer	PARSONS
Structural Engineer	ESP
Mechanical Engineer	Smith + Anderson
Electrical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	HDR
Wayfinding	Callies

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-01	80% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDATA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 80% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 80% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 020723

NOT FOR CONSTRUCTION

Sheet Name:  
ADVANCE WORKS  
PLAN & PROFILE  
STA. 50+000 TO STA. 50+120

Sheet Number:  
**C223**

Project Status:  
STAGE 3

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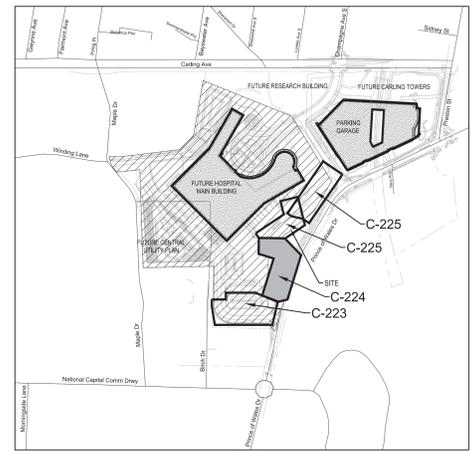
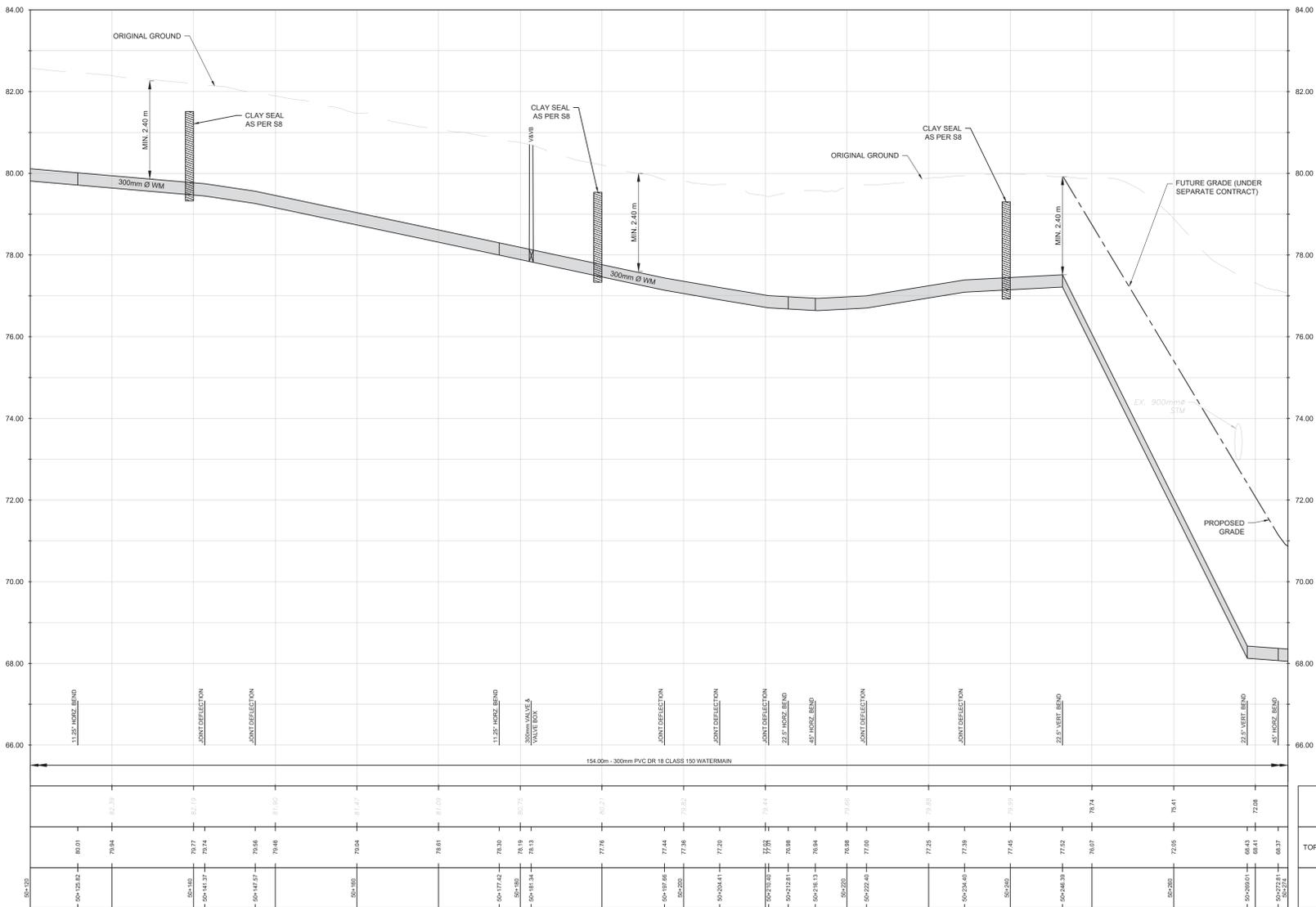
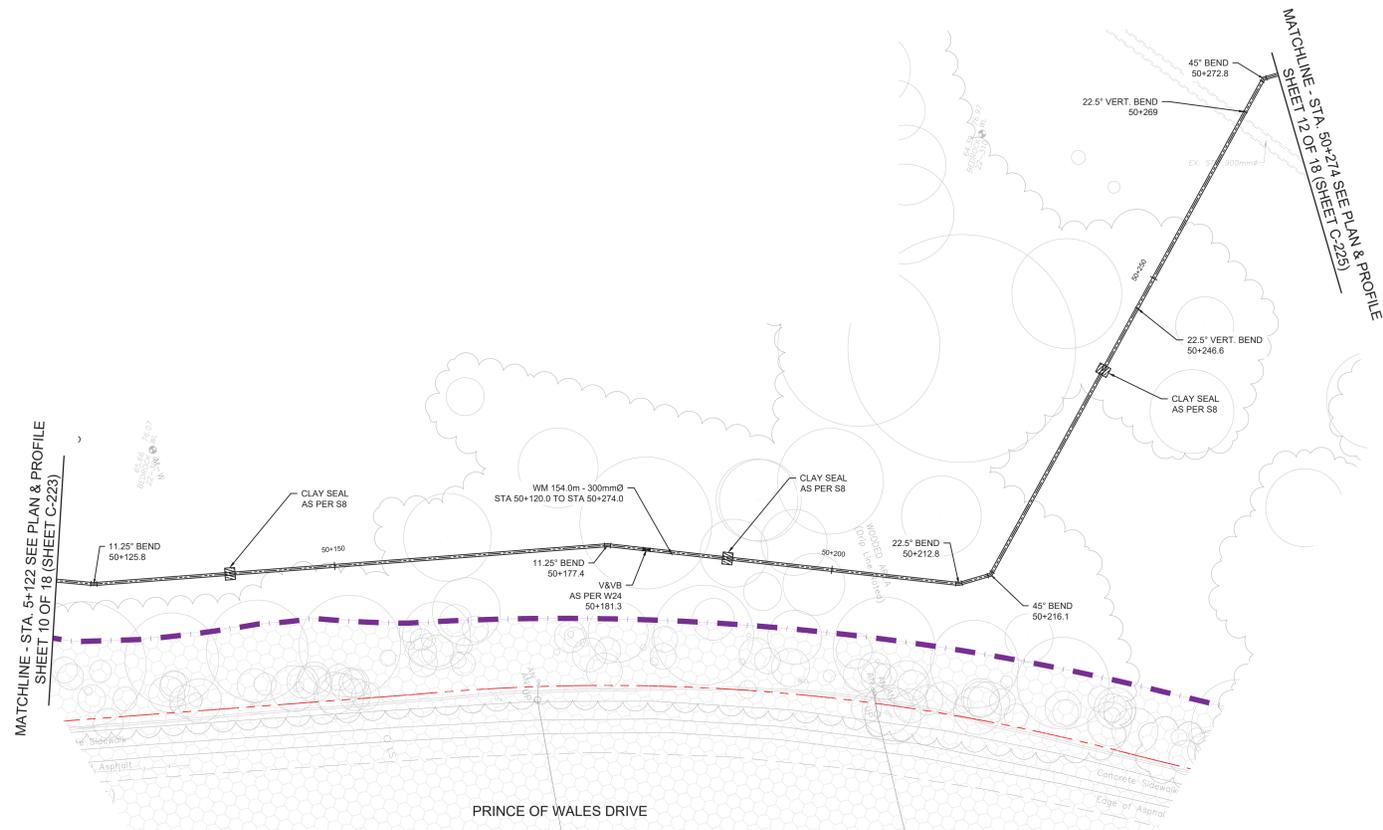


**APPROVED**  
By Lily Xu at 3:26 pm, Jun 06, 2024

*Lily Xu*  
LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

**THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.**

- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELLS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - PROPOSED GRADE
  - LIMIT OF WORK
  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSED CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PIPE INSULATION
  - BORERHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA DRIPLINE



**Architect:** HDR  
**Landscape Architect:** HDR  
**Civil Engineer:** Parsons  
**Structural Engineer:** EJP  
**Mechanical Engineer:** Smith + Anderson  
**Planning Engineer:** Smith + Anderson  
**Interior Designer:** HDR  
**Equipment Planner:** HDR  
**Wayfinding:** Callies

**Sheet Reviewer:** Author

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD & RETAINING WALL REVIEW
05	2023-08-31	8% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 8% DESIGN DEVELOPMENT ON PHASE 3
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 8% DETAIL DESIGN

**Project Number:** 1033382  
**Original Issue:** 02/21/23

**NOT FOR CONSTRUCTION**

Sheet Name  
**ADVANCE WORKS  
 PLAN & PROFILE**  
 STA. 50+120 TO STA. 50+274

Sheet Number  
**C224**

Project Status  
 STAGE 3



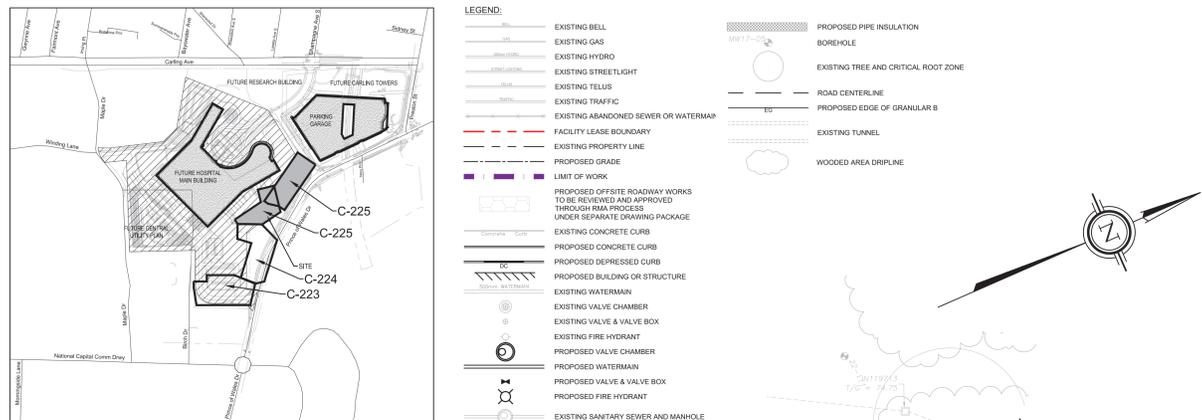
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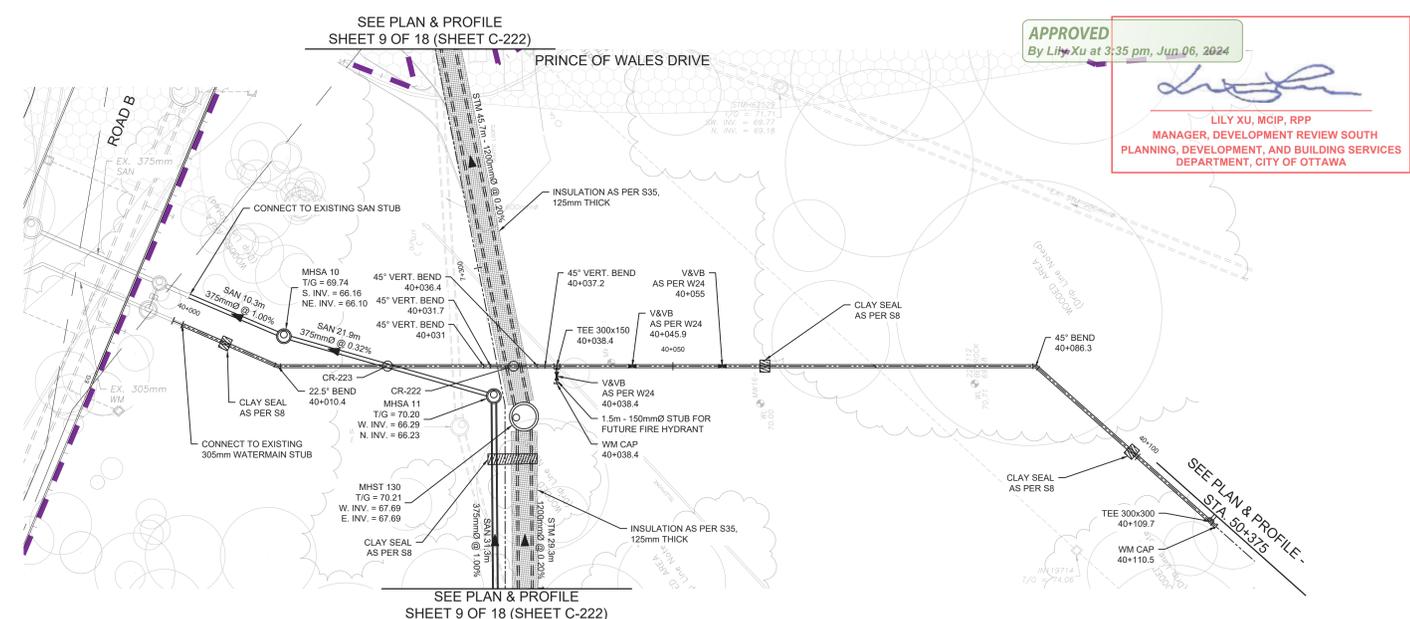
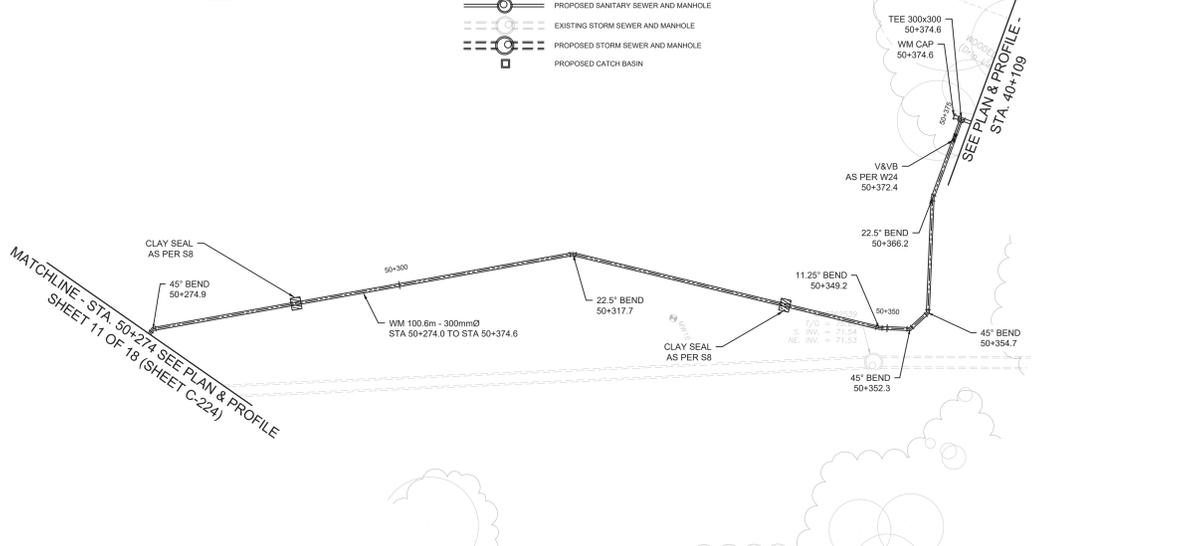
HDR Architecture Associates Inc.  
300 Richmond Road, Suite 200  
Ottawa, Ontario K1Z 0A9



THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REDEVELOPMENT

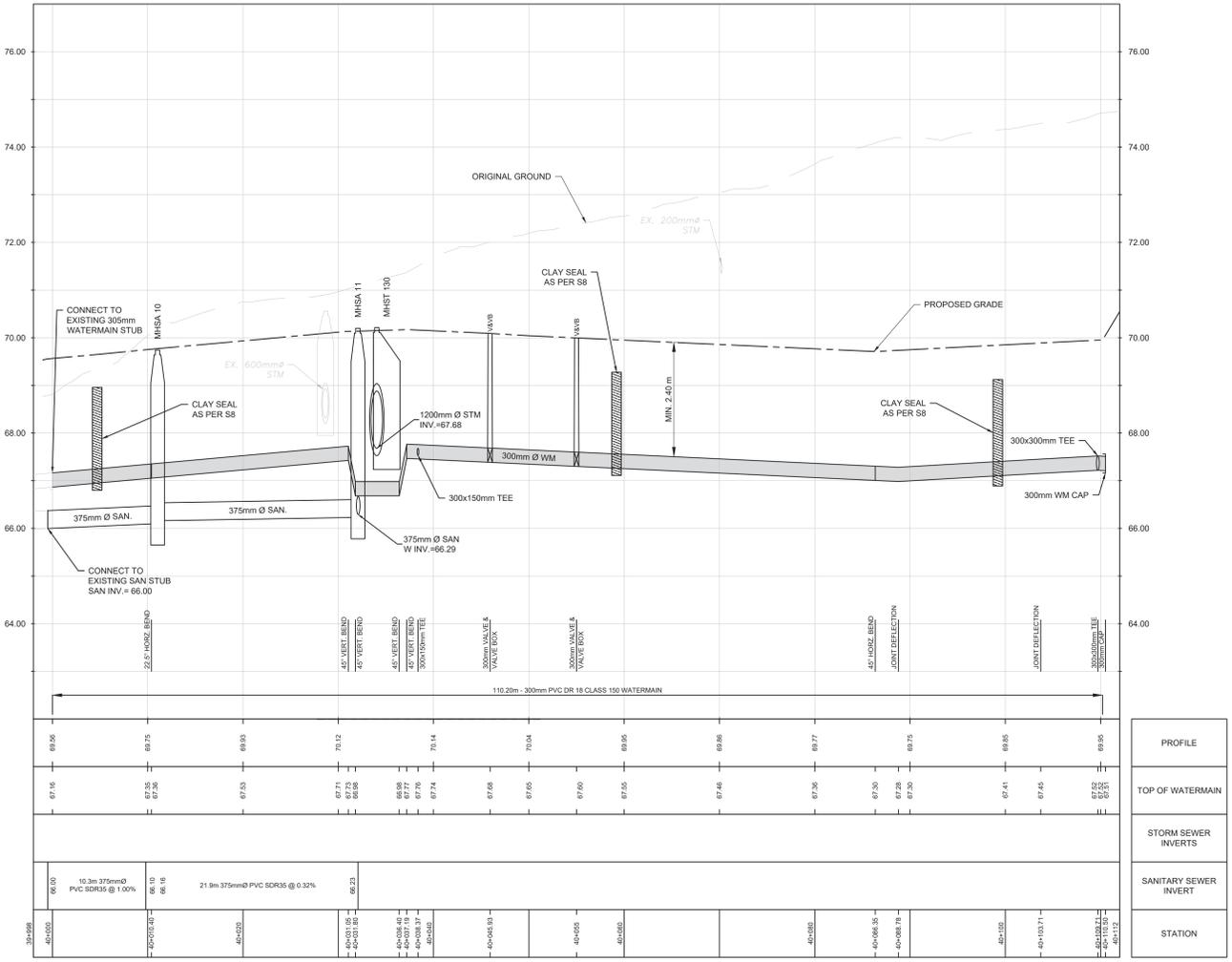
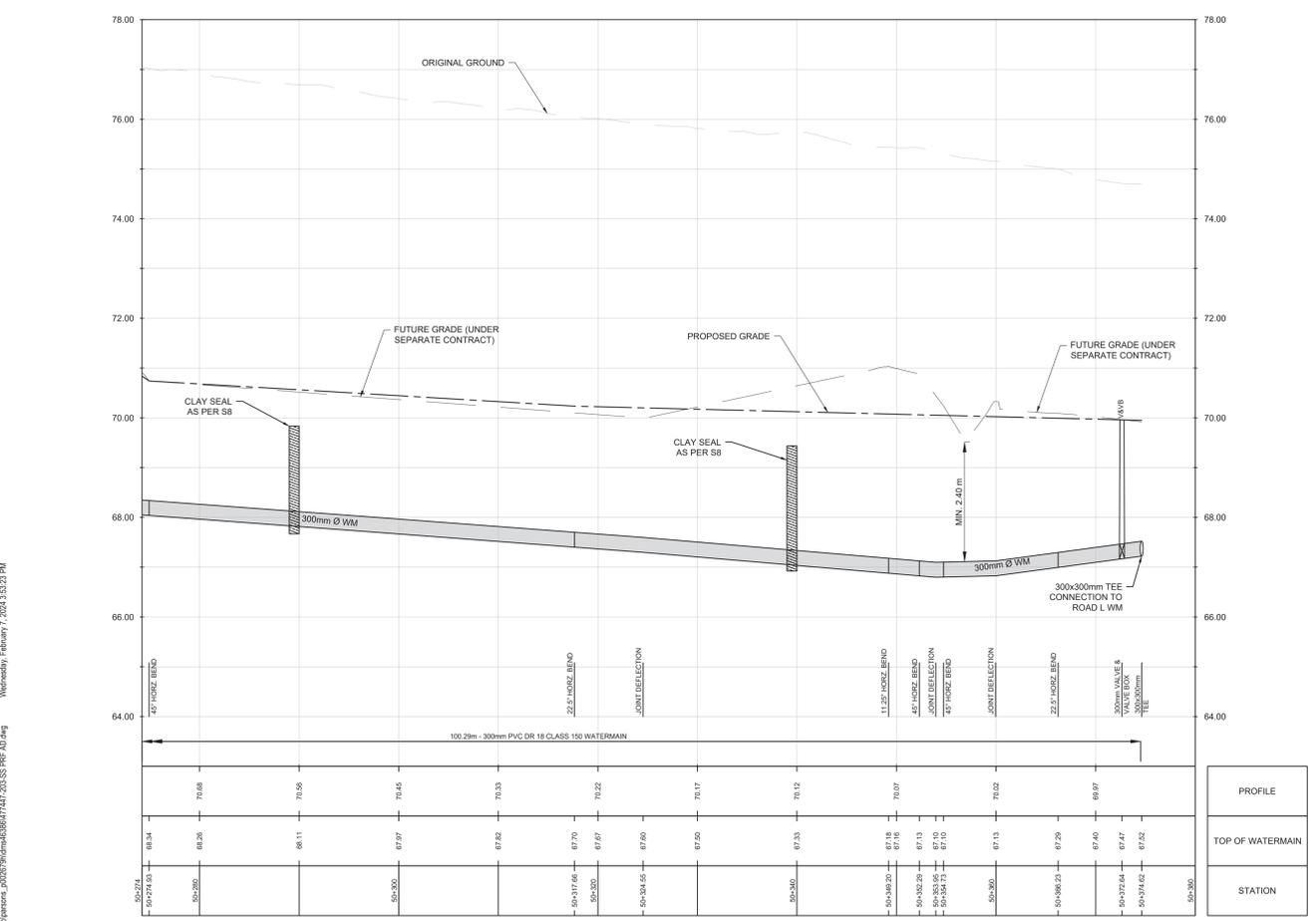


- LEGEND:**
- EXISTING BELL
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  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELLS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - PROPOSED GRADE
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  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSURE CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN



**APPROVED**  
By Lily Xu at 3:35 pm, Jun 06, 2024

*Lily Xu*  
**LILY XU, MCIP, RPP**  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



- Architect:** HDR  
**Landscape Architect:** HDR  
**Civil Engineer:** Parsons  
**Structural Engineer:** EJP  
**Mechanical Engineer:** Smith + Anderson  
**Planning Engineer:** Smith + Anderson  
**Interior Designer:** HDR  
**Equipment Planner:** HDR  
**Wayfinding:** Callies

**MARK DATE DESCRIPTION**

- 2023-07-24 ISSUED FOR INTERNAL REVIEW
- 2023-07-26 ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
- 2023-08-11 ISSUED FOR REVIEW & COSTING
- 2023-08-23 ROAD & RETAINING WALL REVIEW
- 2023-09-01 9% DESIGN DEVELOPMENT DRAWINGS
- 2023-09-20 ISSUED FOR REVIEW & COSTING
- 2023-10-06 ISSUED FOR FLUIDA - ADVANCE WORKS
- 2023-10-27 ISSUED FOR MCH 3A3
- 2023-11-28 ISSUED FOR DISCUSSION
- 2023-12-04 ISSUED FOR 9% DESIGN DEVELOPMENT ON PAVING
- 2024-01-17 ISSUED FOR DELLEGATED AUTHORITY REPORT
- 2024-02-08 ISSUED FOR CLIENT REVIEW
- 2024-02-28 ISSUED FOR 9% DETAIL DESIGN

Project Number: 10333852  
Original Issue: 02/21/23

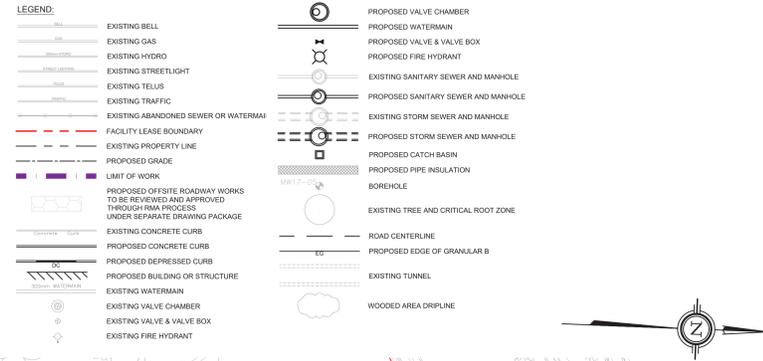
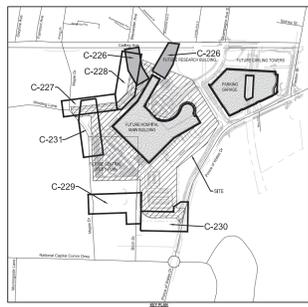
**NOT FOR CONSTRUCTION**

Sheet Name: **ADVANCE WORKS PLAN & PROFILE**  
STA. 50+274 TO STA. 50+380  
STA. 40+000 TO STA. 40+112

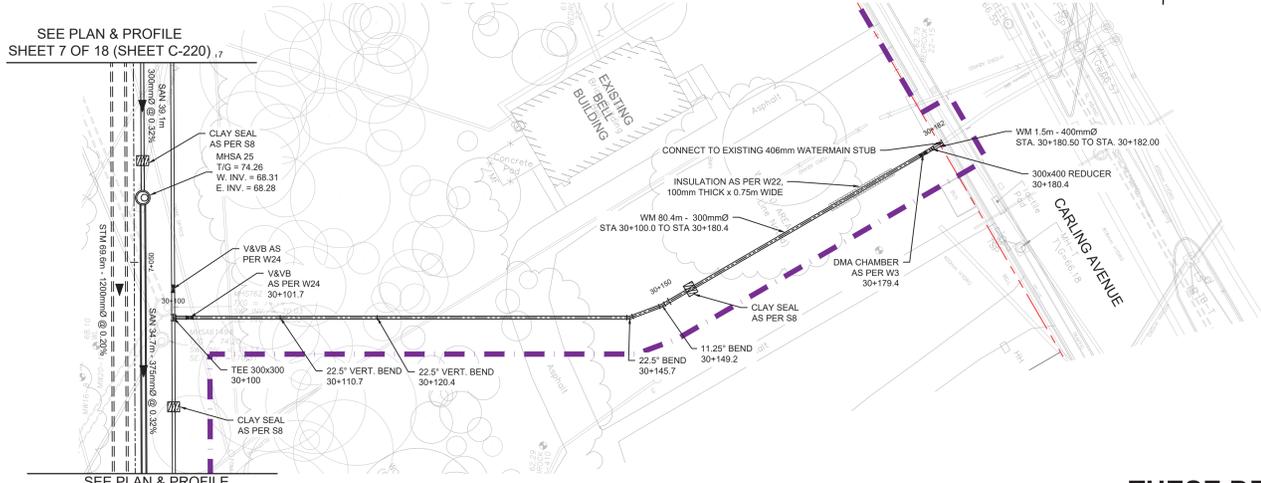
Sheet Number: **C225**  
Project Status: **STAGE 3**

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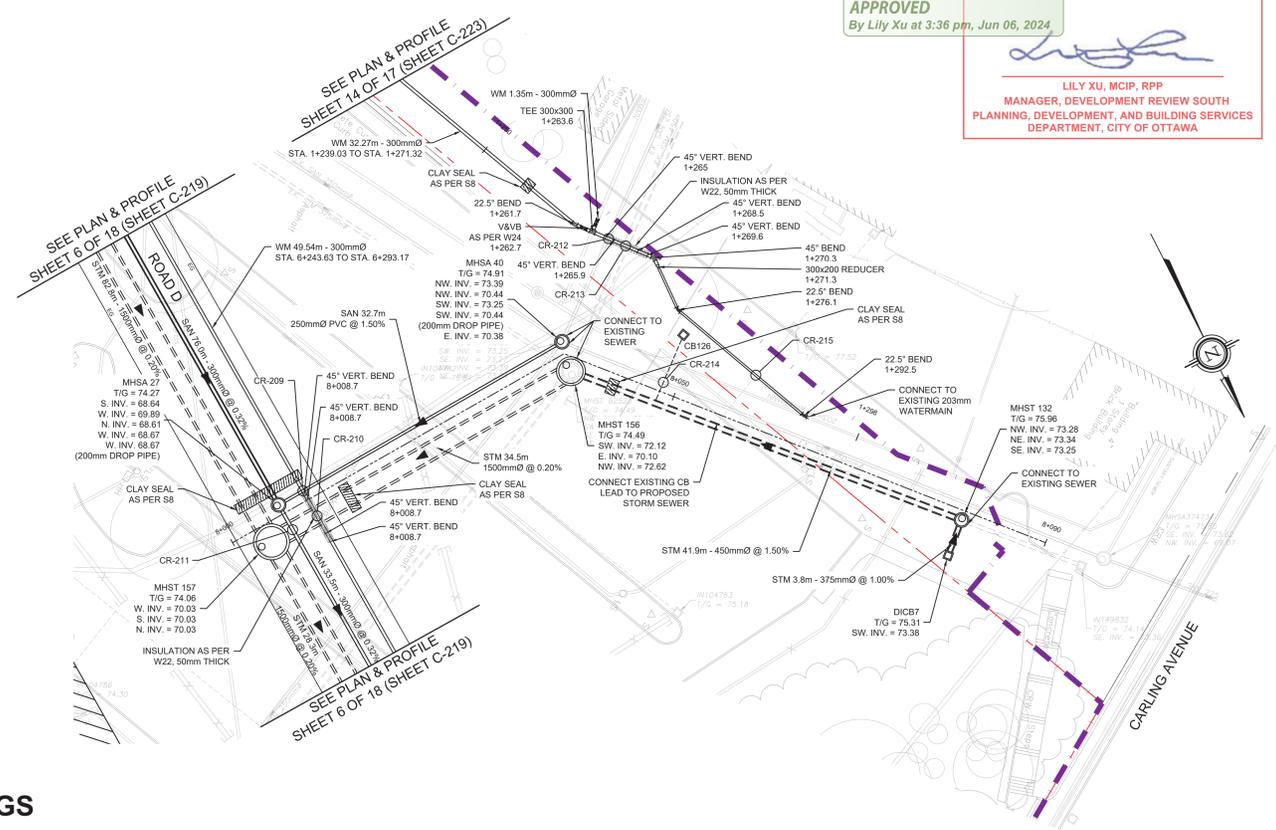
D07-12-22-0168



SEE PLAN & PROFILE SHEET 7 OF 18 (SHEET C-220) .7

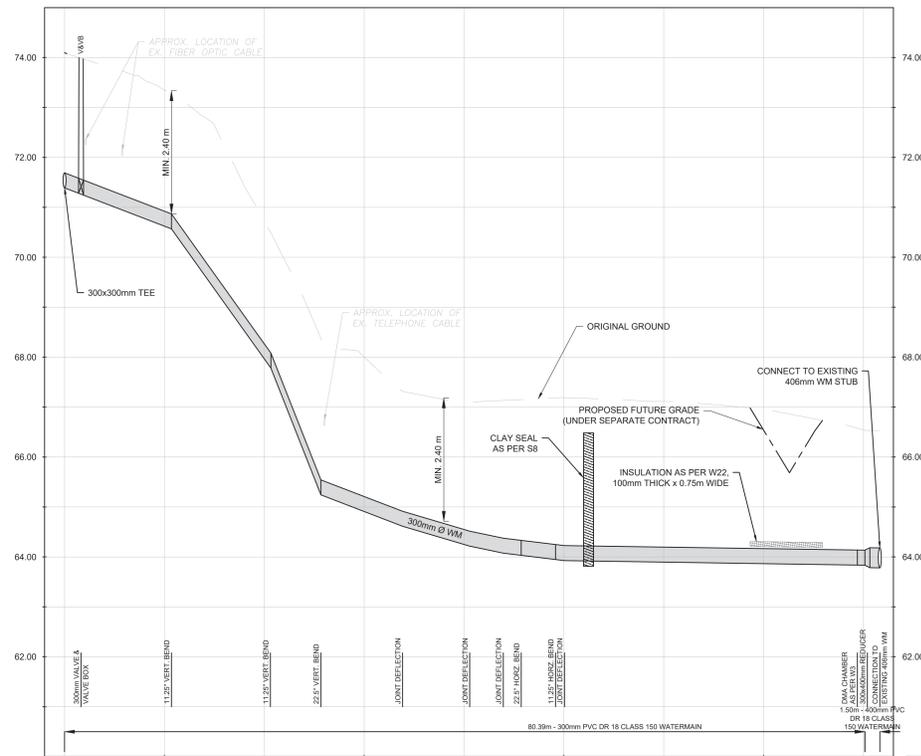


SEE PLAN & PROFILE SHEET 7 OF 18 (SHEET C-220)



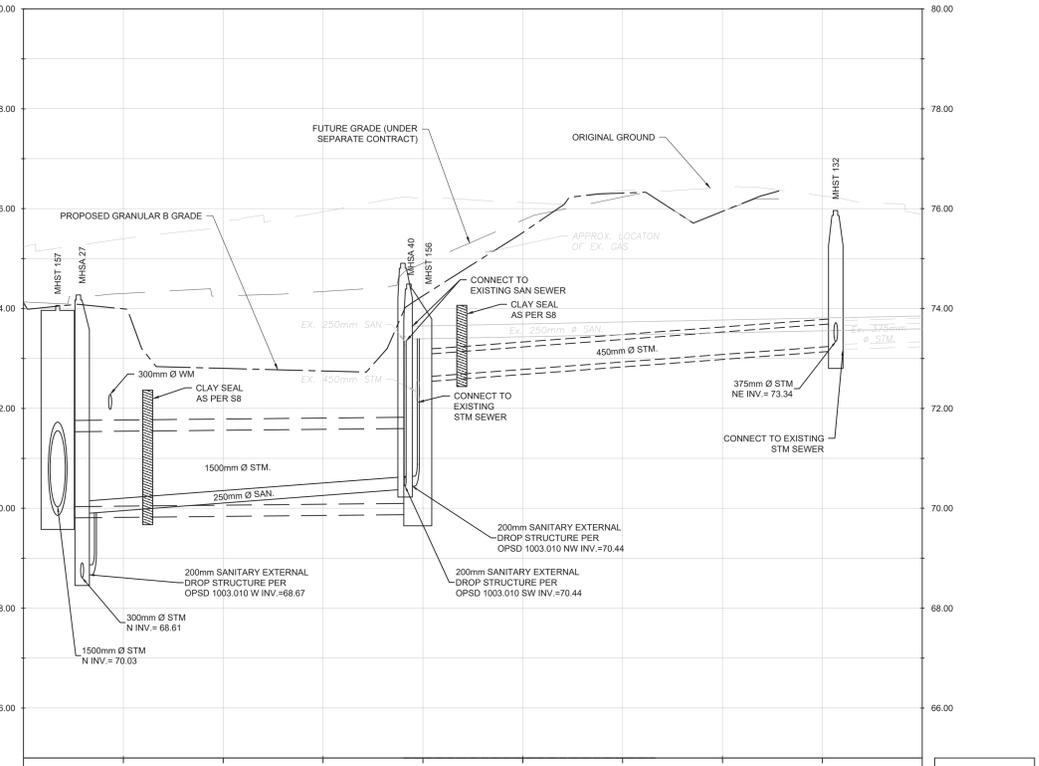
**APPROVED**  
By Lily Xu at 3:36 pm, Jun 06, 2024

LILY XU, MCI, P, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

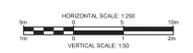


PROFILE
TOP OF WATERMAIN
STATION

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PROFILE
STORM SEWER INVERTS
SANITARY SEWER INVERT
STATION



C:\pwc\work\ottawa\parsons\_0002078\cma\068677447\_203\_SS\_PRF\_AD.dwg Wednesday, February 7, 2024 3:33:23 PM



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT



MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-08-31	8% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 8% DESIGN DEVELOPMENT ON PRELIMS
11	2024-01-17	ISSUED FOR DELLEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 8% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/27/24

NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS PLAN & PROFILE  
STA. 30+100 TO STA. 30+182  
STA. 8+000 TO STA. 8+090

Sheet Number: C226

Project Status: STAGE 3

D07-12-22-0168



APPROVED  
By Lily Xu at 3:21 pm, Jun 06, 2024

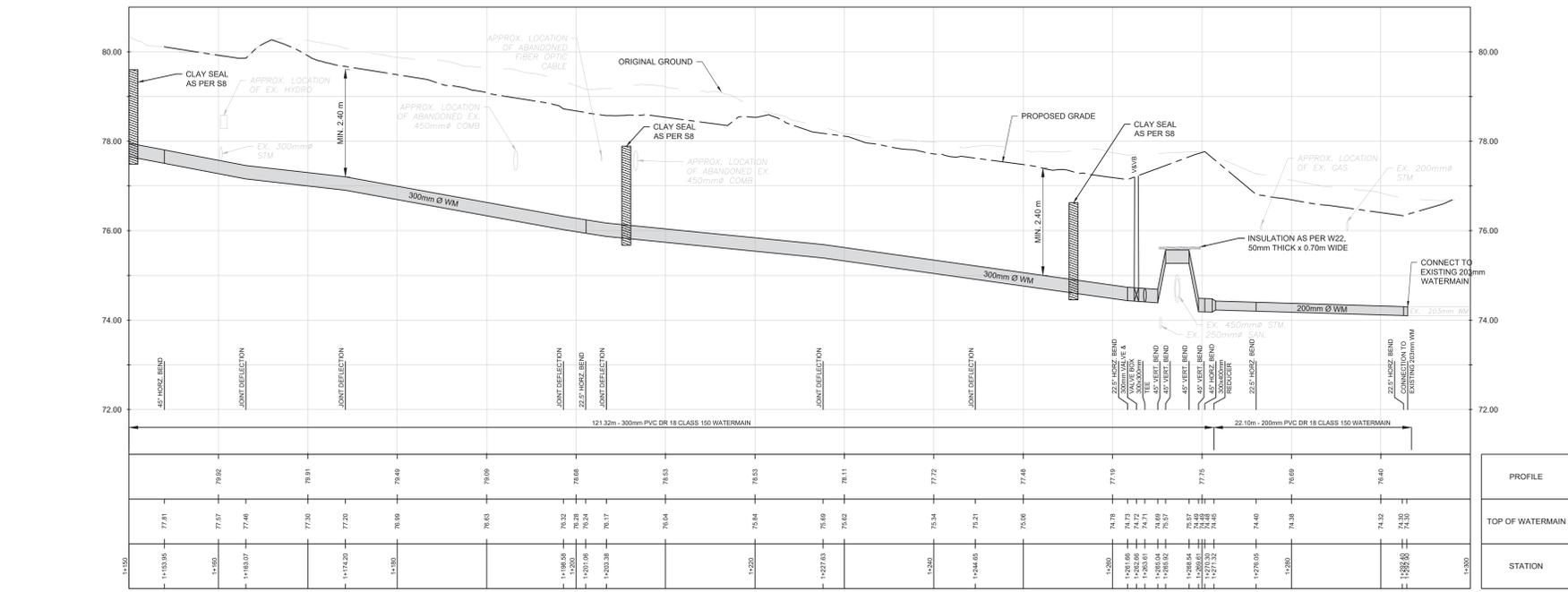
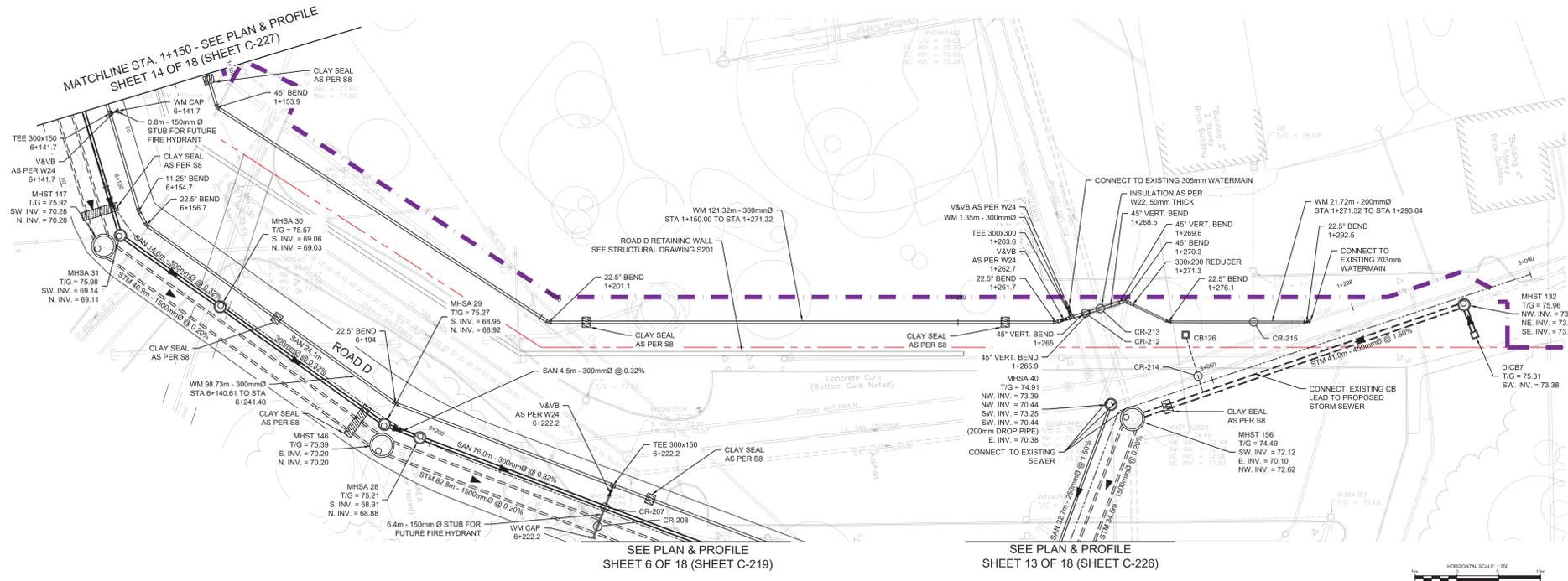
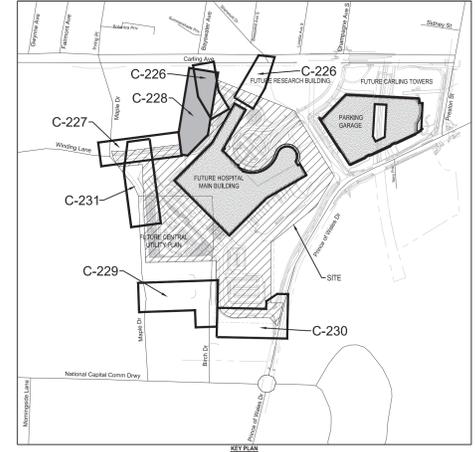
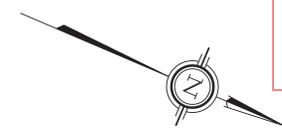
LILY XU, MCIIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



HDR Architecture Associates Inc.  
300 Richmond Road, Suite 200  
Ottawa, Ontario K1Z 1K6



THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REDEVELOPMENT



- LEGEND:
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELLUR
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
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  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
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  - EXISTING VALVE CHAMBER
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Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: Parsons  
Structural Engineer: EJP  
Mechanical Engineer: Smith + Anderson  
Planning Engineer: Smith + Anderson  
Interior Designer: HDR  
Equipment Planner: HDR  
Welding: Callies

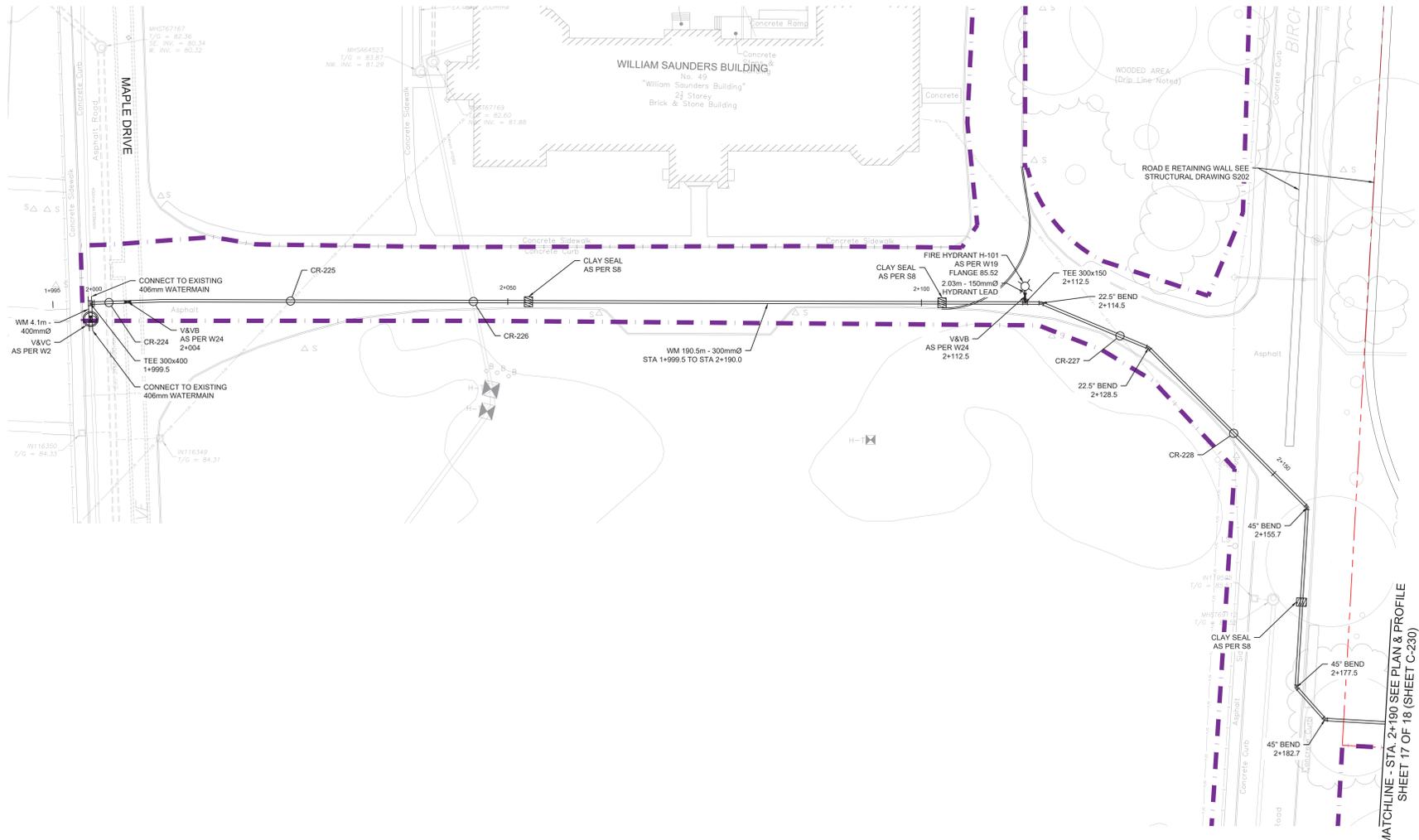
MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-01	95% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDIA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 1A3
09	2023-11-28	ISSUED FOR REVIEW & DISCUSSION
10	2023-12-04	ISSUED FOR 95% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 95% DETAIL DESIGN

Project Number: 10333852  
Original Issue: 02/21/23

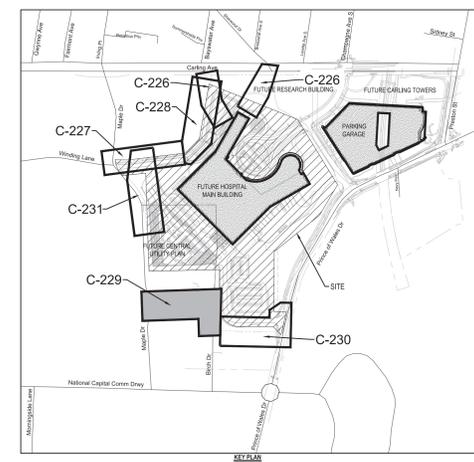
NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS  
PLAN & PROFILE  
NORTH  
STA. 1+150 TO STA. 1+304  
Sheet Number: C228

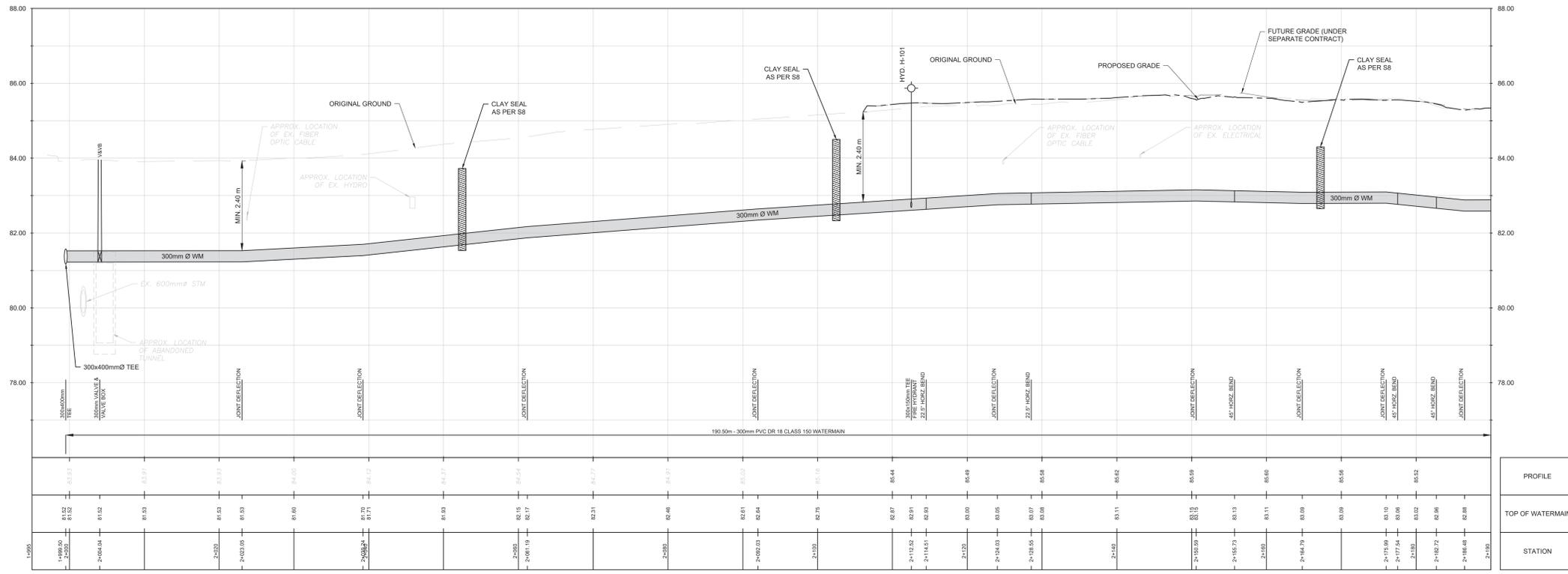
Project Status: STAGE 3



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- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELLIS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - PROPOSED GRADE
  - LIMIT OF WORK
  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSION CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PIPE INSULATION
  - BORHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA DRIPLINE



**APPROVED**  
By Lily Xu at 3:40 pm, Jun 06, 2024

*Lily Xu*

**LILY XU, MCIP, RPP**  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



**Architect:** HR  
**Landscape Architect:** HR  
**Civil Engineer:** Parsons  
**Structural Engineer:** EJP  
**Mechanical Engineer:** Smith + Anderson  
**Planning Engineer:** Smith + Anderson  
**Interior Designer:** HR  
**Equipment Planner:** HR  
**Wayfinding:** Callers

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-09-01	80% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 80% DESIGN DEVELOPMENT ON PILING
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 80% DETAIL DESIGN

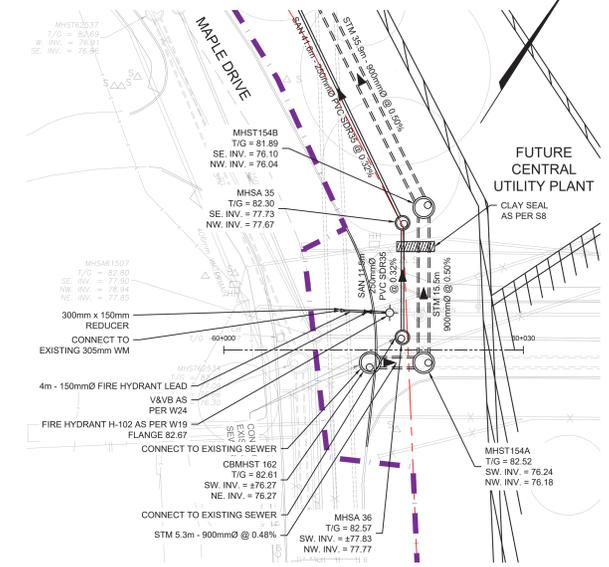
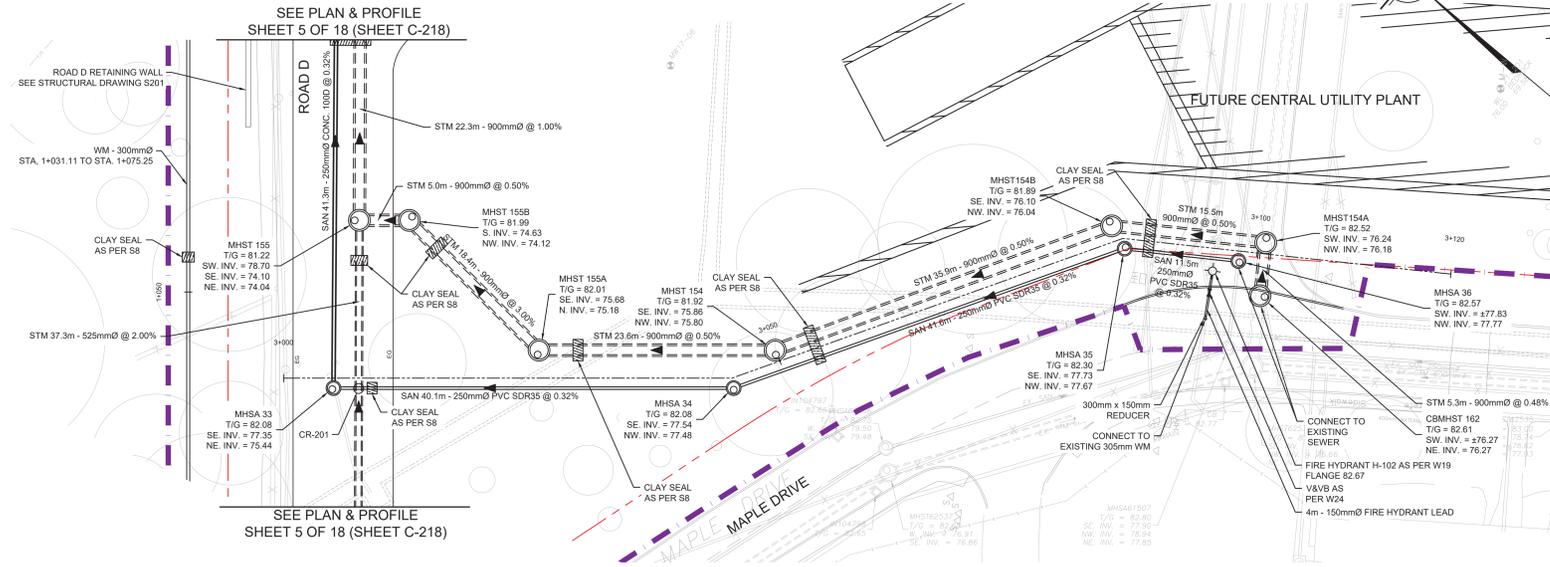
Project Number: 1033382  
Original Issue: 02/07/23

**NOT FOR CONSTRUCTION**

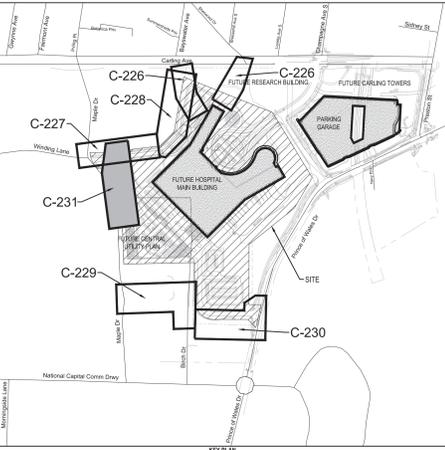
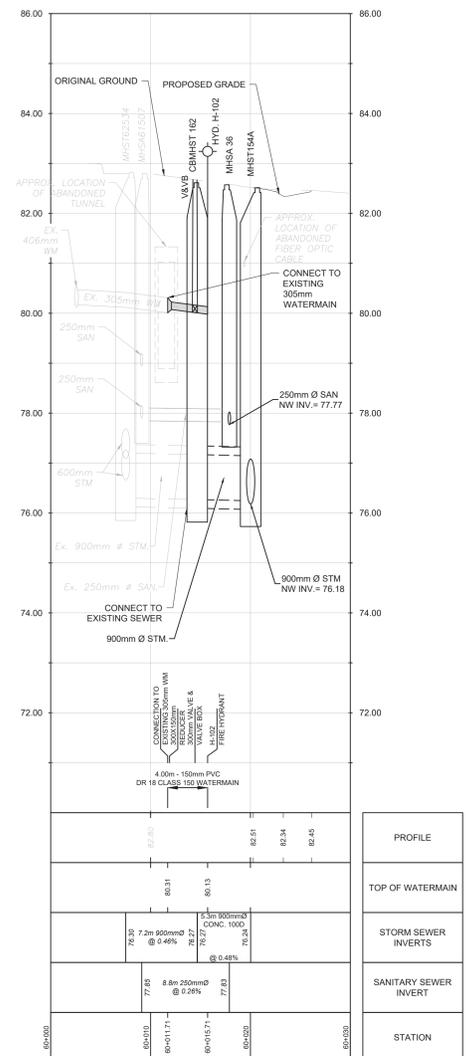
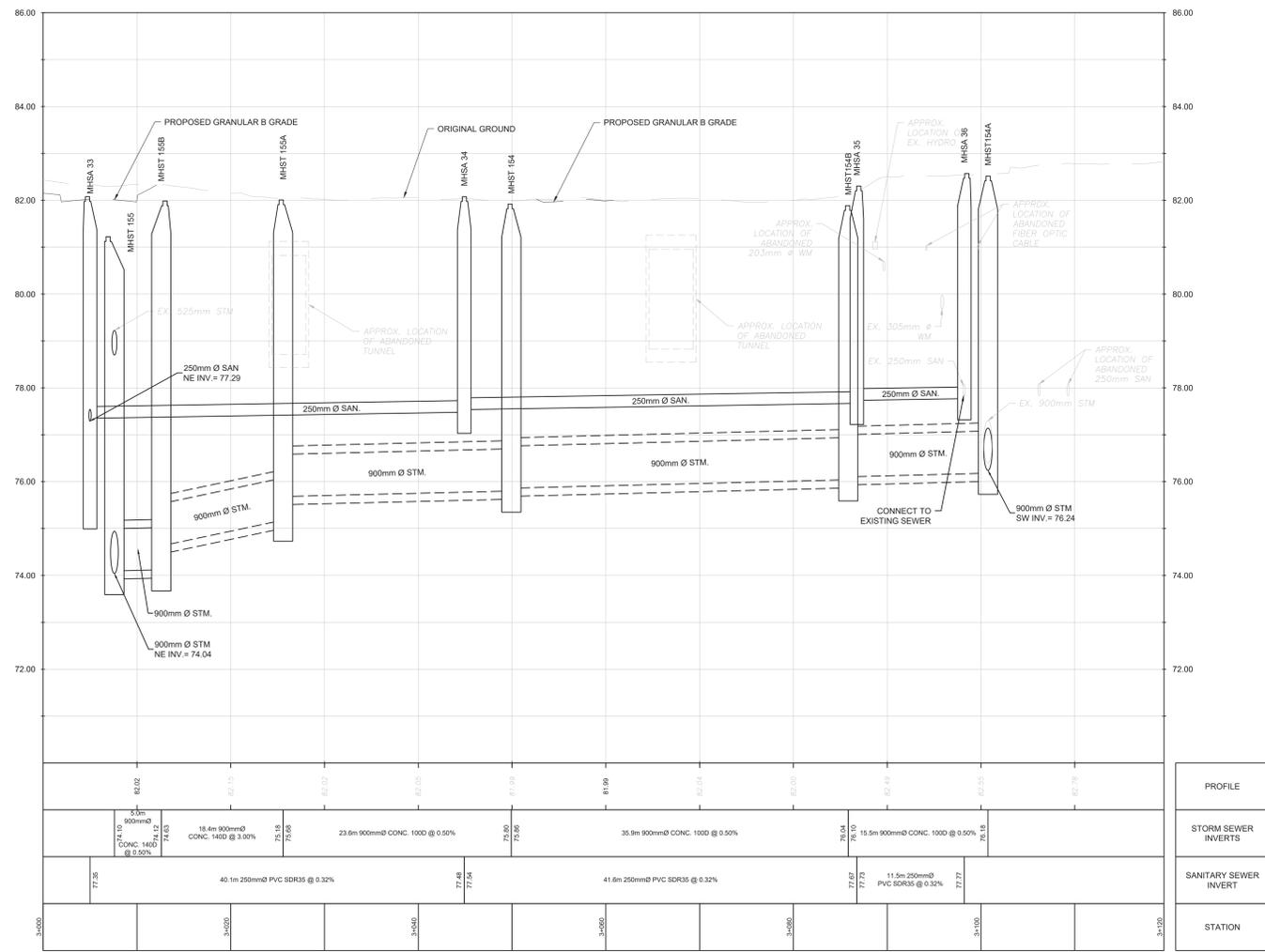
Sheet Name: **ADVANCE WORKS PLAN & PROFILE SOUTH**  
STA. 2+000 TO STA. 2+187  
Sheet Number: **C229**



THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.



- LEGEND:**
- EXISTING BELL
  - EXISTING GAS
  - EXISTING HYDRO
  - EXISTING STREETLIGHT
  - EXISTING TELUS
  - EXISTING TRAFFIC
  - EXISTING ABANDONED SEWER OR WATERMAIN
  - FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - PROPOSED GRADE
  - LIMIT OF WORK
  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH FRMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSED CURB
  - PROPOSED BUILDING OR STRUCTURE
  - EXISTING WATERMAIN
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED WATERMAIN
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY SEWER AND MANHOLE
  - PROPOSED SANITARY SEWER AND MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PIPE INSULATION
  - BORERHOLE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B
  - EXISTING TUNNEL
  - WOODED AREA OR PLINE



**APPROVED**  
By Lily Xu at 3:57 pm, Jun 06, 2024

LILY XU, MCIIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



Architect	HR
Landscape Architect	HR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HR
Equipment Planner	Collins
Wayfinding	

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD & RETAINING WALL REVIEW
05	2023-08-31	9% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUENTA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 1A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 9% DESIGN DEVELOPMENT ON PILING
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 9% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/01/23

**NOT FOR CONSTRUCTION**

Sheet Name: **ADVANCE WORKS PLAN & PROFILE MAPLE DRIVE**  
STA. 3+000 TO STA. 3+108  
Sheet Number: **C231**

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 AGV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH DC 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 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 OPS5 STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPS5 206, 310 & 314. MATERIALS TO OPS5 1001, 1003 & 1010.
- ABUTTING PROPERTY GRADE TO BE MATCHED.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
- 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 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.
- REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
- CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
- REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTIONS REQUIREMENTS.
- EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT ARE NOT COMPLETE. CONTRACTOR IS ADVISED TO CHECK IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING.
- REFER TO STRUCTURAL DRAWINGS FOR SITE RETAINING WALLS.
- REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
- REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
- CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
- UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THIS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
- ROAD ELEVATION SHOWN ON PLAN ARE REFERENCED TO GRANULAR B TYPE II FINISH GRADE.
- V & VB LABELS, MANHOLE TOP OF GRATE ELEVATIONS ARE ALL INDICATING FINAL GRADE ELEVATION. CONTRACTOR TO TEMPORARILY ADJUST.
- THE EMBANKMENTS WILL NEED TO BE PROTECTED TO ENSURE ADEQUATE EROSION PROTECTION MEASURES ARE IMPLEMENTED.

APPROVED  
By Lily Xu at 3:54 pm, Jun 06, 2024

*Lily Xu*  
LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

THICKNESS(mm)	RECOMMENDED MATERIAL STRUCTURE	MATERIAL DESCRIPTION
670		S.P. F-3147 GRANULAR B TYPE II SUBBASE

LEGEND:

- FACILITY LEASE BOUNDARY
- EXISTING PROPERTY LINE
- LIMIT OF WORK
- PROPOSED OFFSET ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
- EXISTING CONCRETE CURB
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSION CURB
- PROPOSED BUILDING OR STRUCTURE
- EXISTING VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- EXISTING FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- PROPOSED VALVE & VALVE BOX
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- EXISTING TRENCH DRAIN
- EXISTING GRADE
- PROPOSED GRADE
- BW 114.40°
- TW 114.40°
- TC 114.40°
- PROPOSED TOP OF CURB GRADE
- PROPOSED RETAINING WALL
- PROPOSED DITCH
- PROPOSED TERRACING (MAX 3:1 SLOPE)
- MAJOR OVERLAND FLOW ROUTE
- EXISTING TREE AND CRITICAL ROOT ZONE
- WOODED AREA DRIPLINE
- ROAD CENTERLINE
- PROPOSED EDGE OF GRANULAR B



HDR Architecture Associates Inc.  
300 Richmond Road, Suite 200  
Ottawa, Ontario K1Z 1X6



THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REDEVELOPMENT



Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: HDR  
Structural Engineer: HDR  
Mechanical Engineer: HDR  
Plumbing Engineer: HDR  
Electrical Engineer: HDR  
Interior Designer: HDR  
Equipment Planner: HDR  
Wayfinding: HDR

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-28	ROAD E RETAINING WALL REVIEW
05	2023-09-01	80% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 80% DESIGN DEVELOPMENT ON PAVING
11	2024-01-17	ISSUED FOR DELICATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 1033385  
Original Issue: 0207103

NOT FOR CONSTRUCTION

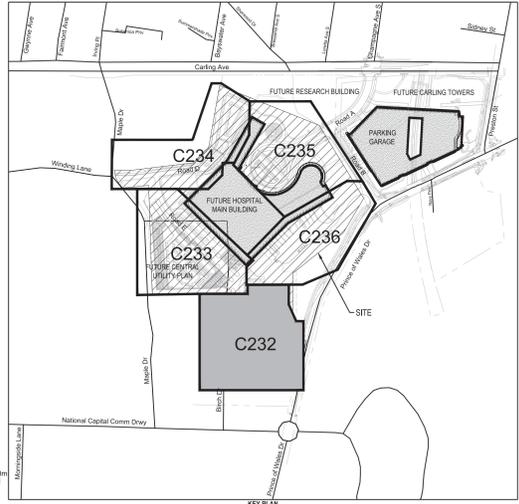
Sheet Name: ADVANCE WORKS  
GRADING PLAN 1 OF 5

Sheet Number: C232

Project Status: STAGE 3

D07-12-22-0168

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SCALE: 1:250

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THICKNESS(mm)	MATERIAL DESCRIPTION
670	S.P. F-3147 GRANULAR B TYPE II SUBBASE

- LEGEND:**
- FACILITY LEASE BOUNDARY
  - EXISTING PROPERTY LINE
  - LIMIT OF WORK
  - PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
  - EXISTING CONCRETE CURB
  - PROPOSED CONCRETE CURB
  - PROPOSED DEPRESSED CURB
  - EXISTING BUILDING OR STRUCTURE
  - EXISTING VALVE CHAMBER
  - EXISTING VALVE & VALVE BOX
  - EXISTING FIRE HYDRANT
  - PROPOSED VALVE CHAMBER
  - PROPOSED VALVE & VALVE BOX
  - PROPOSED FIRE HYDRANT
  - EXISTING SANITARY MANHOLE
  - PROPOSED SANITARY MANHOLE
  - EXISTING STORM MANHOLE
  - PROPOSED STORM MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED TRENCH DRAIN
  - EXISTING GRADE
  - PROPOSED GRADE
  - PROPOSED GROUND GRADE AT BOTTOM OF WALL
  - PROPOSED GROUND GRADE AT TOP OF WALL
  - PROPOSED TOP OF CURB GRADE
  - PROPOSED RETAINING WALL
  - PROPOSED DITCH
  - PROPOSED TERRACING (MAX 3:1 SLOPE)
  - MAJOR OVERLAND FLOW ROUTE
  - EXISTING TREE AND CRITICAL ROOT ZONE
  - WOODED AREA DRUPLINE
  - ROAD CENTERLINE
  - PROPOSED EDGE OF GRANULAR B

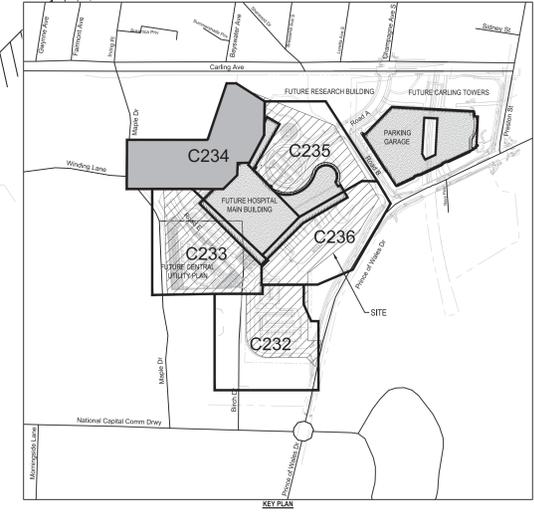
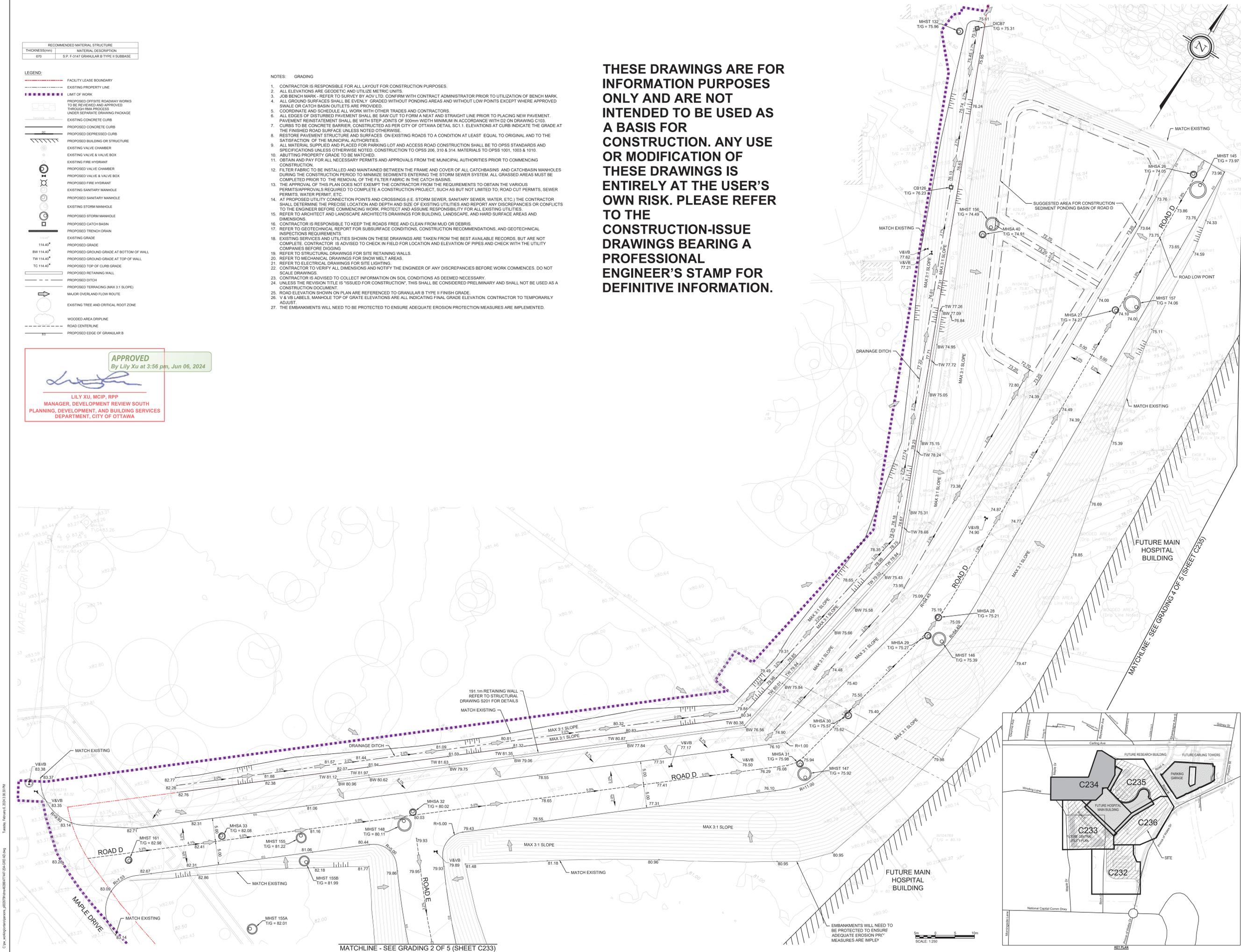
- NOTES:** GRADING
1. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
  2. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
  3. JOB BENCH MARK - REFER TO SURVEY BY ADV. LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
  4. ALL GROUND SURFACES SHALL 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 C103.
  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 OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 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 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.
  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 PERMIT, 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. 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.
  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.
  25. ROAD ELEVATION SHOWN ON PLAN ARE REFERENCED TO GRANULAR B TYPE II FINISH GRADE.
  26. V & VB LABELS, MANHOLE TOP OF GRATE ELEVATIONS ARE ALL INDICATING FINAL GRADE ELEVATION. CONTRACTOR TO TEMPORARILY ADJUST.
  27. THE EMBANKMENTS WILL NEED TO BE PROTECTED TO ENSURE ADEQUATE EROSION PROTECTION MEASURES ARE IMPLEMENTED.

**THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.**

**APPROVED**  
By Lily Xu at 3:56 pm, Jun 06, 2024

*Lily Xu*

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



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



THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REDEVELOPMENT



Architect	HR
Landscape Architect	HR
Civil Engineer	Parsons
Structural Engineer	HR
Mechanical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HR
Equipment Planner	HR
Wayfinding	Callies

Sheet	Reviewer	Author

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-08-31	8% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-29	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR FLUENT - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 8% DESIGN DEVELOPMENT ON PHASING
11	2024-01-17	ISSUED FOR DELGATED AUTHORITY REPORT
12	2024-02-29	ISSUED FOR CLIENT REVIEW
13	2024-02-29	ISSUED FOR 8% DETAIL DESIGN

Project Number: 10333852  
Original Issue: 02/29/24

NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS GRADING PLAN 3 OF 5

Sheet Number: C234

Project Status: STAGE 3

D07-12-22-0168

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 AOV LTD. CONFIRM WITH CONTRACT ADMINISTRATOR PRIOR TO UTILIZATION OF BENCH MARK.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEEP JOINTS OF 500mm WIDTH MINIMUM IN ACCORDANCE WITH 02 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 OPS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO CPSS 206, 310 & 314. MATERIALS TO CPSS 1001, 1003 & 1010.
- ABUTTING PROPERTY GRADE TO BE MATCHED.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
- FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS AND 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 BASINS.
- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.), THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH AND SIZE OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES.
- REFER TO ARCHITECT AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING, LANDSCAPE, AND HARD SURFACE AREAS AND DIMENSIONS.
- CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
- REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTIONS REQUIREMENTS.
- EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT ARE NOT COMPLETE. CONTRACTOR IS ADVISED TO CHECK IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING.
- REFER TO STRUCTURAL DRAWINGS FOR SITE RETAINING WALLS.
- REFER TO MECHANICAL DRAWINGS FOR SNOW MELT AREAS.
- REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING.
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
- CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
- UNLESS THE REVISION TITLE IS ISSUED FOR CONSTRUCTION, THIS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
- ROAD ELEVATION SHOWN ON PLAN ARE REFERENCED TO GRANULAR B TYPE II FINISH GRADE.
- V & VB LABELS, MANHOLE TOP OF GRATE ELEVATIONS ARE ALL INDICATING FINAL GRADE ELEVATION. CONTRACTOR TO TEMPORARILY ADJUST.
- THE EMBANKMENTS WILL NEED TO BE PROTECTED TO ENSURE ADEQUATE EROSION PROTECTION MEASURES ARE IMPLEMENTED.

**APPROVED**  
By Lily Xu at 3:49 pm, Jun 06, 2024

*Lily Xu*  
LILY XU, MCI, P, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

THICKNESS(mm)	RECOMMENDED MATERIAL STRUCTURE	MATERIAL DESCRIPTION
670		S.P. F-3147 GRANULAR B TYPE II SUBBASE

**LEGEND:**

- FACILITY LEASE BOUNDARY
- EXISTING PROPERTY LINE
- LIMIT OF WORK
- PROPOSED OFFSITE ROADWAY WORKS TO BE REVIEWED AND APPROVED THROUGH RMA PROCESS UNDER SEPARATE DRAWING PACKAGE
- EXISTING CONCRETE CURB
- PROPOSED DEPRESSED CURB
- PROPOSED BUILDING OR STRUCTURE
- EXISTING VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- EXISTING FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- PROPOSED VALVE & VALVE BOX
- PROPOSED FIRE HYDRANT
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED TRENCH DRAIN
- EXISTING GRADE
- 114.40' PROPOSED GRADE
- BW 114.40' PROPOSED GROUND GRADE AT BOTTOM OF WALL
- TW 114.40' PROPOSED GROUND GRADE AT TOP OF WALL
- TC 114.40' PROPOSED TOP OF CURB GRADE
- PROPOSED RETAINING WALL
- PROPOSED DITCH
- PROPOSED TERRACING (MAX 3:1 SLOPE)
- MAJOR OVERLAND FLOW ROUTE
- EXISTING TREE AND CRITICAL ROOT ZONE
- WOODED AREA DRIPLINE
- ROAD CENTERLINE
- PROPOSED EDGE OF GRANULAR B



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Anderson
Planning Engineer	Smith + Anderson
Interior Designer	HDR
Equipment Planner	Collins
Wayfinding	

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-23	ROAD E RETAINING WALL REVIEW
05	2023-08-31	9% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-05	ISSUED FOR FLUIDIA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MPM 1A.3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 9% DESIGN DEVELOPMENT ON PRELIM
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 9% DETAIL DESIGN

Project Number: 1033382  
Original Issue: 02/01/23

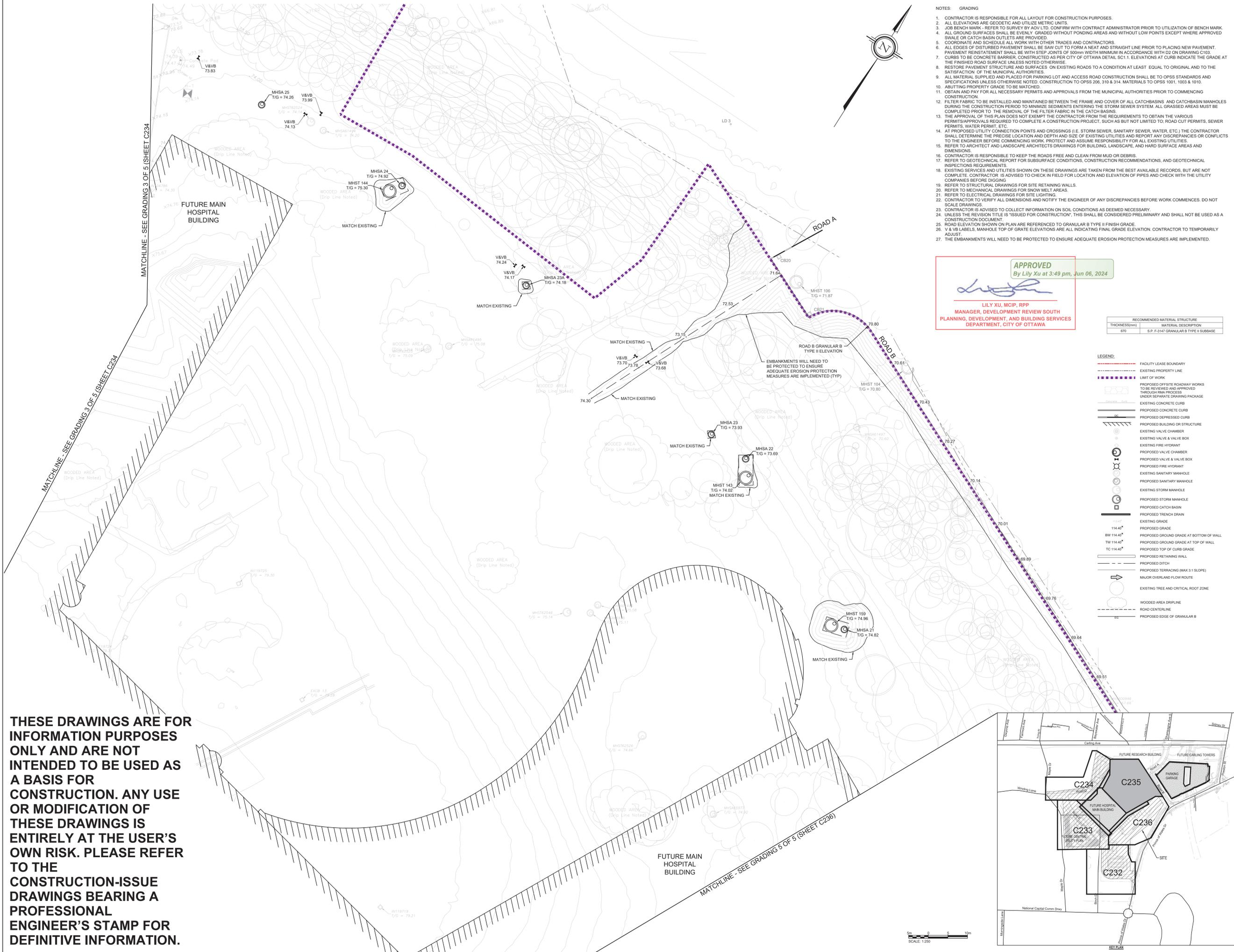
NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS GRADING PLAN 4 OF 5

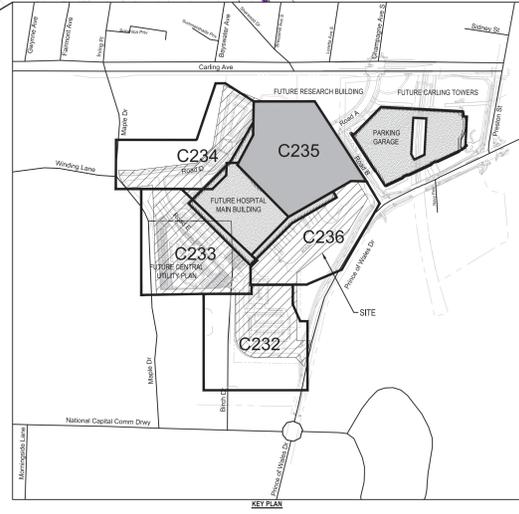
Sheet Number: C235

Project Status: STAGE 3

D07-12-22-0168

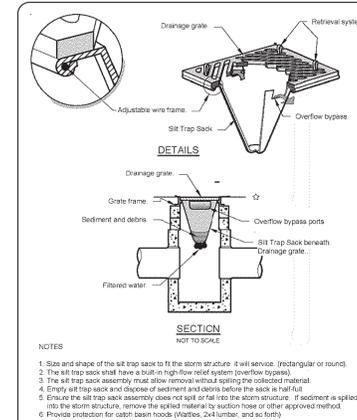


THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.

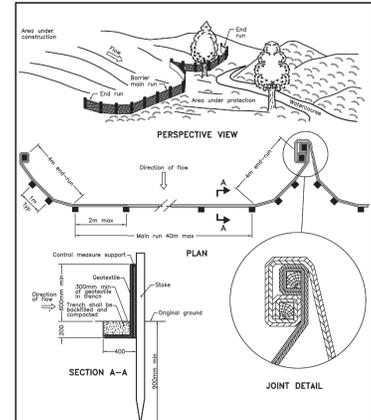


C:\p\work\proj\ottdemo\1033382\1033382.dwg  
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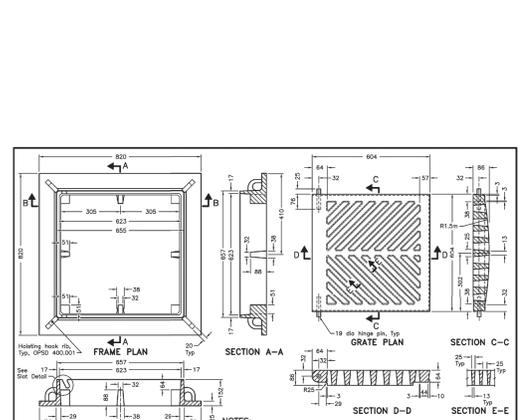




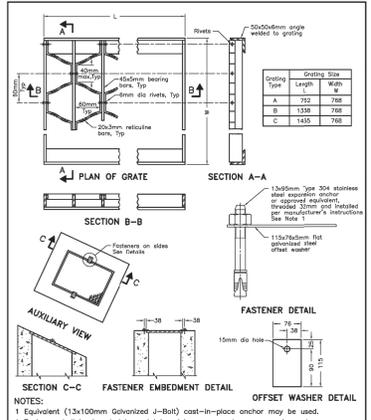
**SILT SACK DETAIL**  
D1  
OPSD 219.130



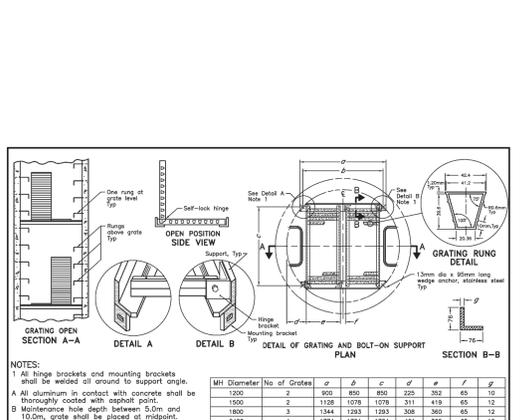
**HEAVY-DUTY SILT FENCE BARRIER**  
OPSD 219.130



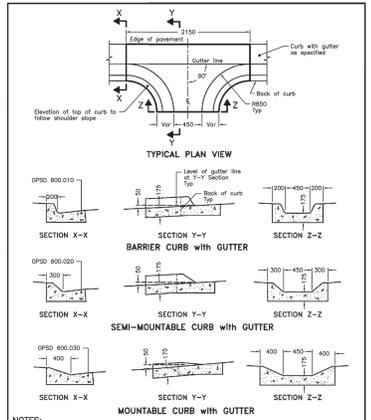
**CAST IRON SQUARE FRAME WITH SQUARE FLAT GRATE FOR CATCH BASINS, HERRING BONE OPENINGS**  
OPSD 400.020



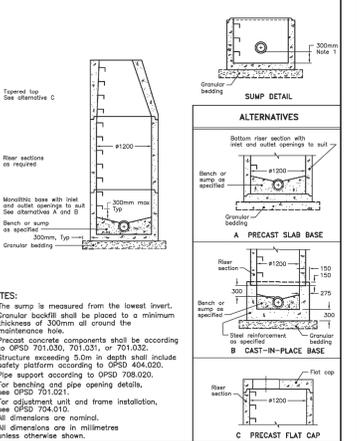
**GALVANIZED STEEL HONEYCOMB GRATING FOR DITCH INLETS**  
OPSD 403.010



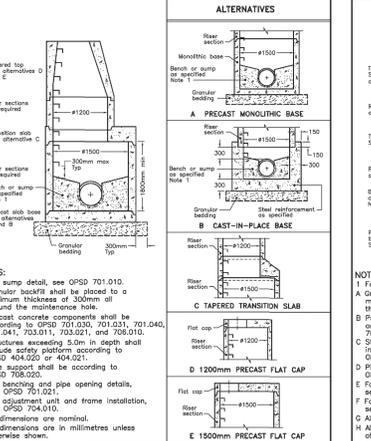
**ALUMINUM SAFETY PLATFORM FOR CIRCULAR MAINTENANCE HOLES**  
OPSD 404.020



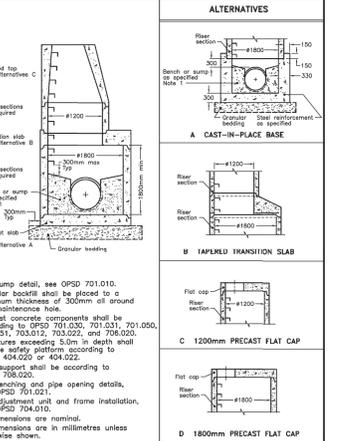
**90° CONCRETE OUTLET FOR CONCRETE CURB WITH GUTTER**  
OPSD 604.010



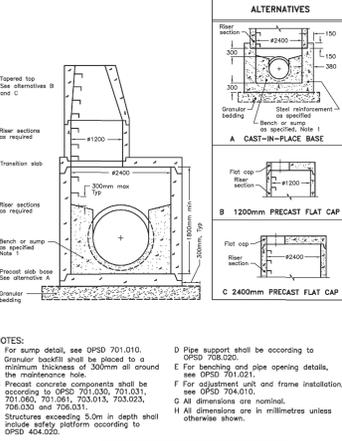
**PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER**  
OPSD 701.010



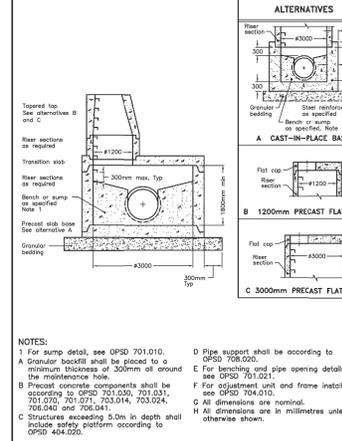
**PRECAST CONCRETE MAINTENANCE HOLE 1500mm DIAMETER**  
OPSD 701.011



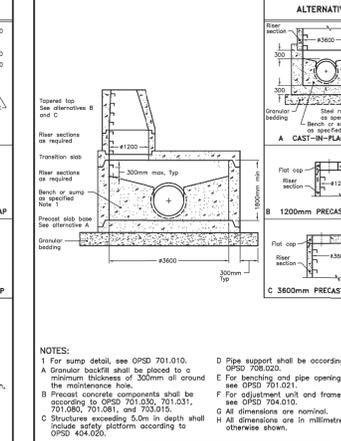
**PRECAST CONCRETE MAINTENANCE HOLE 1800mm DIAMETER**  
OPSD 701.012



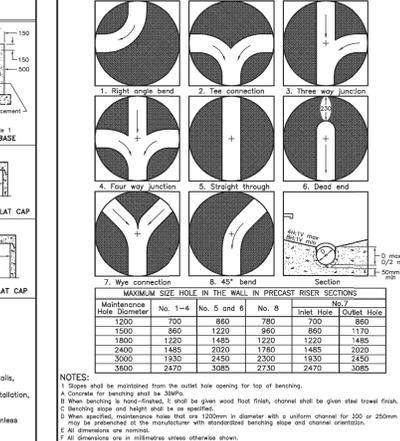
**PRECAST CONCRETE MAINTENANCE HOLE 2400mm DIAMETER**  
OPSD 701.013



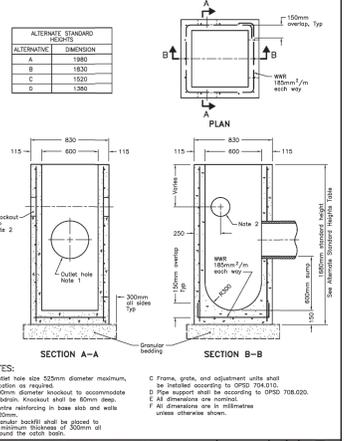
**PRECAST CONCRETE MAINTENANCE HOLE 3000mm DIAMETER**  
OPSD 701.014



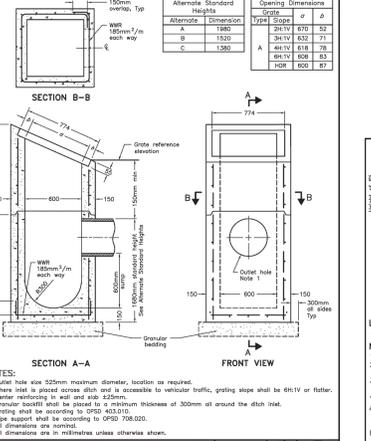
**PRECAST CONCRETE MAINTENANCE HOLE 3600mm DIAMETER**  
OPSD 701.015



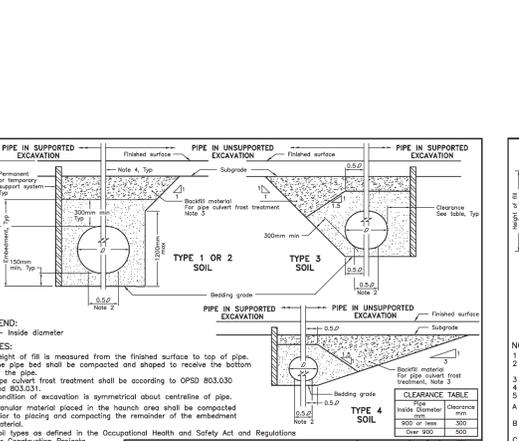
**MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES**  
OPSD 701.021



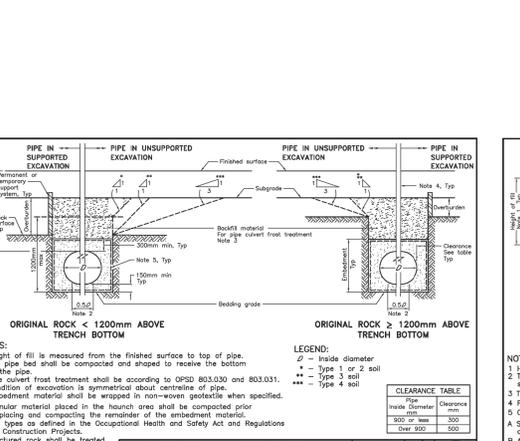
**PRECAST CONCRETE CATCH BASIN 600x600mm**  
OPSD 705.010



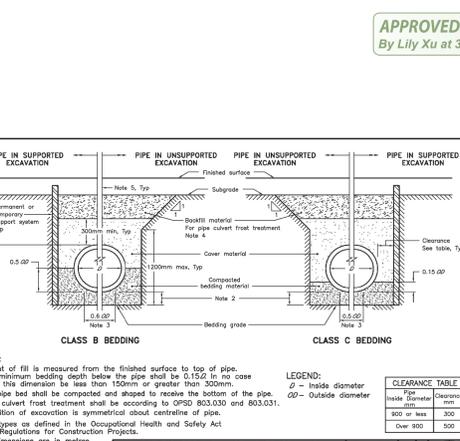
**PRECAST CONCRETE DITCH INLET 800 x 800mm**  
OPSD 705.030



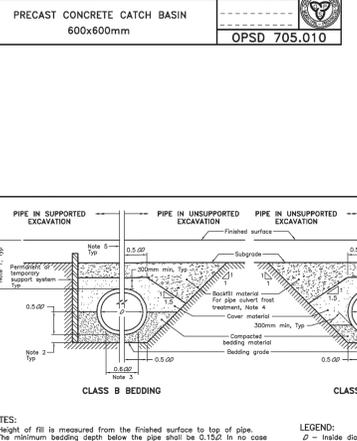
**FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION**  
OPSD 802.010



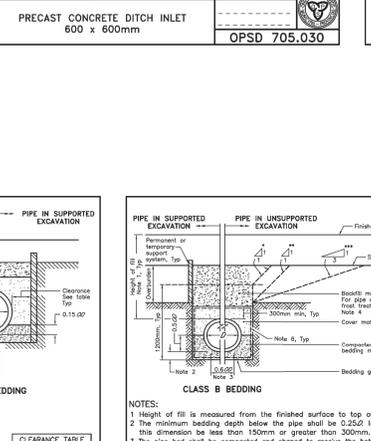
**FLEXIBLE PIPE EMBEDMENT AND BACKFILL ROCK EXCAVATION**  
OPSD 802.013



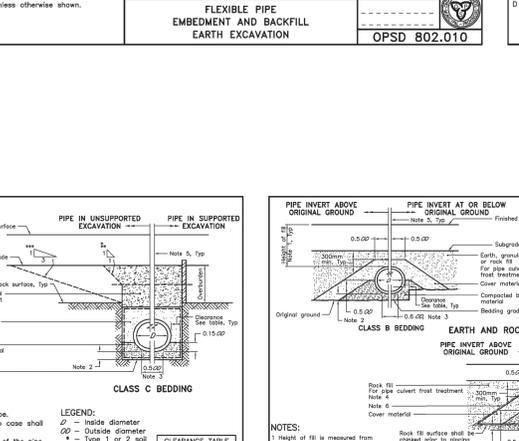
**RIGID PIPE BEDDING, COVER, AND BACKFILL TYPE 1 OR 2 SOIL - EARTH EXCAVATION**  
OPSD 802.030



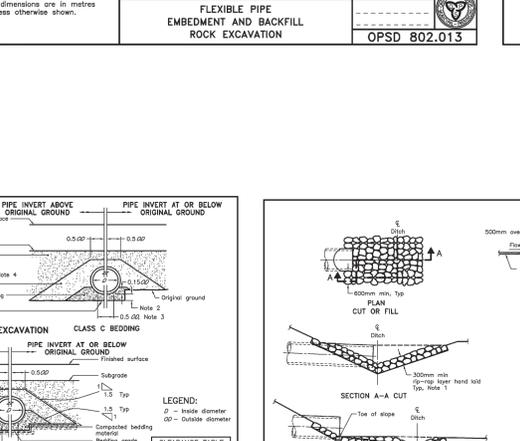
**RIGID PIPE BEDDING, COVER, AND BACKFILL TYPE 3 SOIL - EARTH EXCAVATION**  
OPSD 802.031



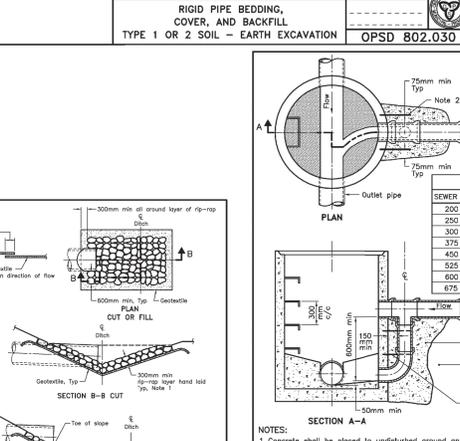
**RIGID PIPE BEDDING, COVER, AND BACKFILL ROCK EXCAVATION**  
OPSD 802.033



**PIPE BEDDING AND COVER WITH ROCK FILL UNDER AND OVER THE PIPE**  
OPSD 802.034



**GENERAL RIP-RAP LAYING FOR SEWER AND CULVERT OUTLETS**  
OPSD 810.010



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

APPROVED  
By Lily Xu at 3:51 pm, Jun 06, 2024  
LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: Parsons  
Structural Engineer: E3P  
Mechanical Engineer: Smith + Anderson  
Electrical Engineer: Smith + Anderson  
Planning Engineer: HDR  
Interior Designer: HDR  
Equipment Planner: HDR  
Welding: HDR

MARK DATE DESCRIPTION

01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-28	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-28	ROAD E RETAINING WALL REVIEW
05	2023-09-01	80% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR FLUENT - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCM 3A
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 80% DESIGN DEVELOPMENT OR PHASING
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-09	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR RFP DETAIL DESIGN

Project Number: 10331862  
Project Issue: 02/23/24

NOT FOR CONSTRUCTION

ADVANCE WORKS  
DETAILS 1

Sheet Number: C237

Project Status: STAGE 3

D07-12-22-0168

*Lily Xu*  
LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEPARTMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: Parsons  
Structural Engineer: E3P  
Mechanical Engineer: Smith + Anderson  
Electrical Engineer: Smith + Anderson  
Interior Designer: HDR  
Equipment Planner: HDR  
Welding: Colliers

MARK DATE	DESCRIPTION
01 2023-07-24	ISSUED FOR INTERNAL REVIEW
02 2023-07-28	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03 2023-08-11	ISSUED FOR REVIEW & COSTING
04 2023-08-28	ROAD E RETAINING WALL REVIEW
05 2023-09-01	80% DESIGN DEVELOPMENT DRAWINGS
06 2023-09-20	ISSUED FOR REVIEW & COSTING
07 2023-10-06	ISSUED FOR FLUIDA - ADVANCE WORKS
08 2023-10-27	ISSUED FOR MWH SA 3
09 2023-11-28	ISSUED FOR DESIGN
10 2023-12-04	ISSUED FOR DESIGN DEVELOPMENT OF PILING
11 2024-01-17	ISSUED FOR DELGATED AUTHORITY REPORT
12 2024-02-28	ISSUED FOR CLIENT REVIEW
13 2024-02-28	ISSUED FOR 90% DETAIL DESIGN

Project Number: 1033385  
Original Issue: 020723

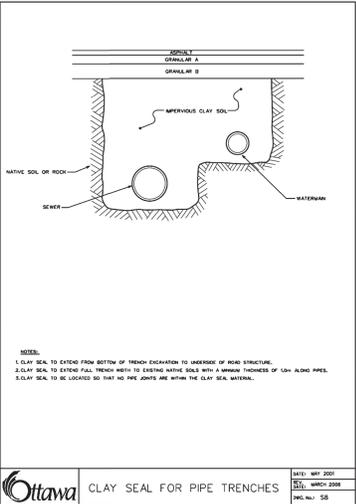
NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS  
DETAILS 2

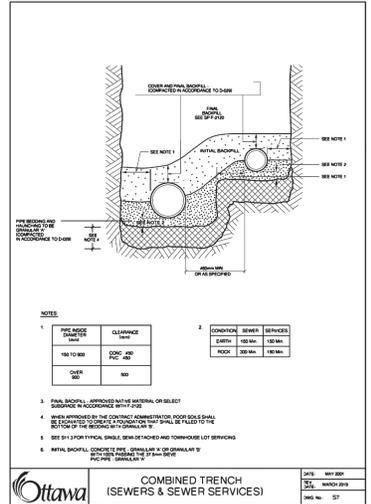
Sheet Number: C238

Project Status: STAGE 3

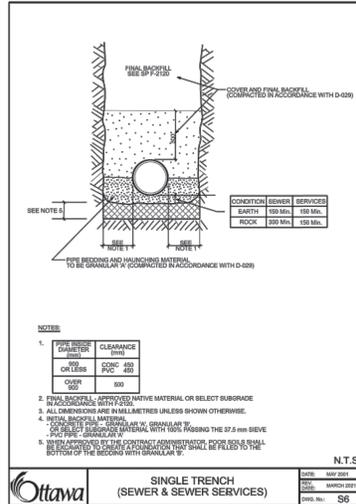
D07-12-22-0168



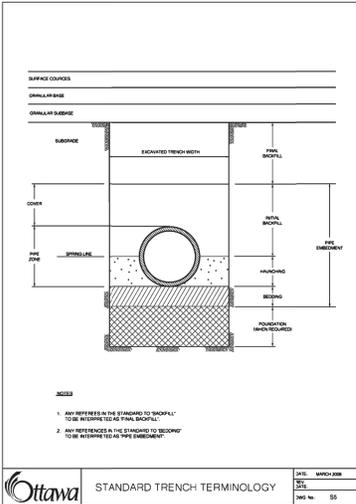
CLAY SEAL FOR PIPE TRENCHES  
DATE: MAY 2007  
REV: MARCH 2008  
DWG NO.: S17



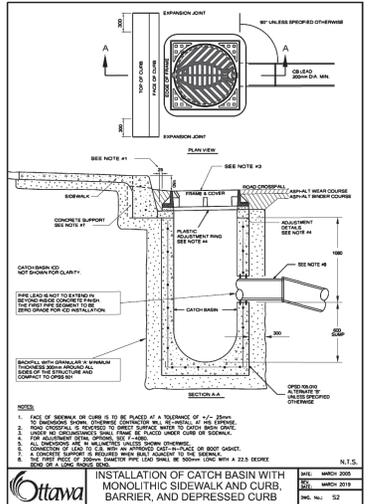
COMBINED TRENCH (SEWERS & SEWER SERVICES)  
DATE: MAY 2007  
REV: MARCH 2008  
DWG NO.: S7



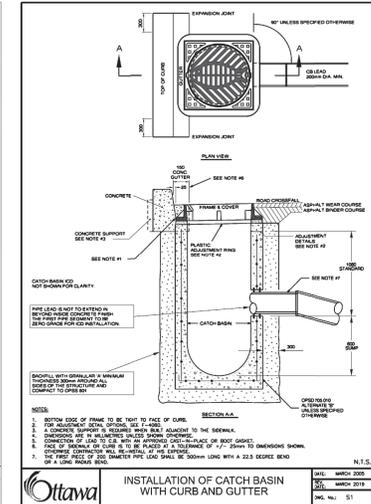
SINGLE TRENCH (SEWER & SEWER SERVICES)  
DATE: MAY 2007  
REV: MARCH 2008  
DWG NO.: S6



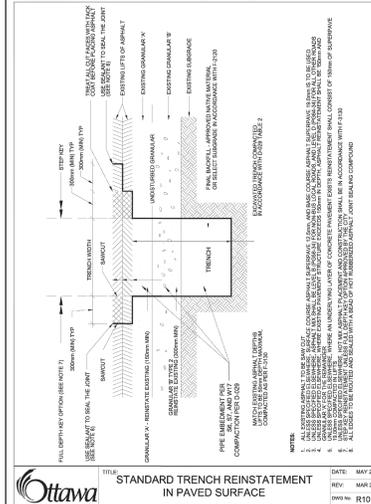
STANDARD TRENCH TERMINOLOGY  
DATE: MAY 2007  
REV: MARCH 2008  
DWG NO.: S5



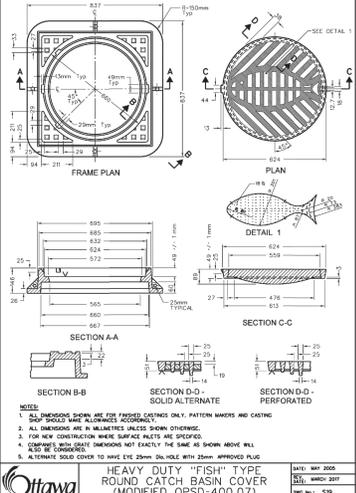
INSTALLATION OF CATCH BASIN WITH MONOLITHIC SIDEWALK AND CURB, BARRIER, AND DEPRESSED CURB  
DATE: MARCH 2008  
REV: MARCH 2019  
DWG NO.: S1



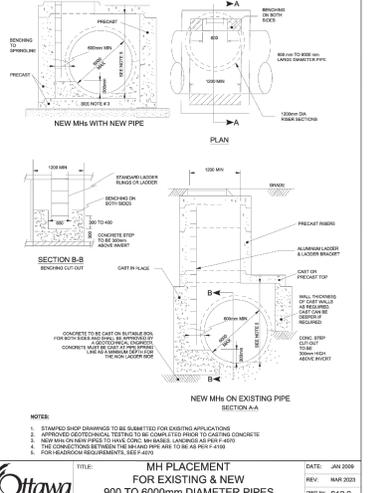
INSTALLATION OF CATCH BASIN WITH CURB AND GUTTER  
DATE: MARCH 2008  
REV: MARCH 2019  
DWG NO.: S1



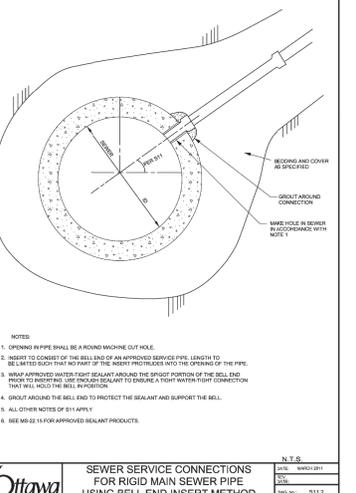
STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE  
DATE: MAY 2007  
REV: MARCH 2007  
DWG NO.: R10



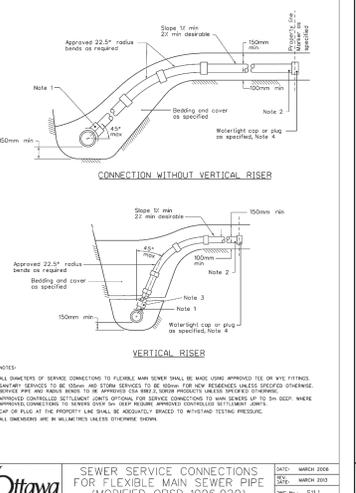
HEAVY DUTY "FISH" TYPE ROUND CATCH BASIN COVER (MODIFIED OPSD-400.07)  
DATE: MAY 2005  
REV: MARCH 2007  
DWG NO.: S19



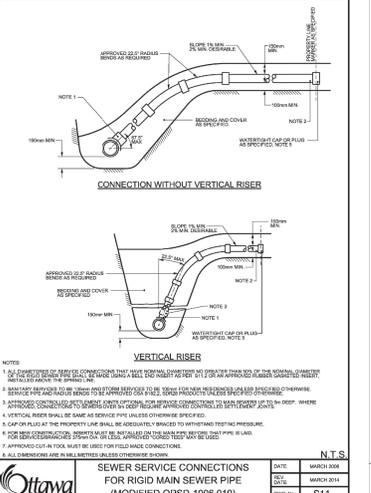
MH PLACEMENT FOR EXISTING & NEW 900 TO 6000mm DIAMETER PIPES  
DATE: JUN 2008  
REV: MAR 2023  
DWG NO.: S12.2



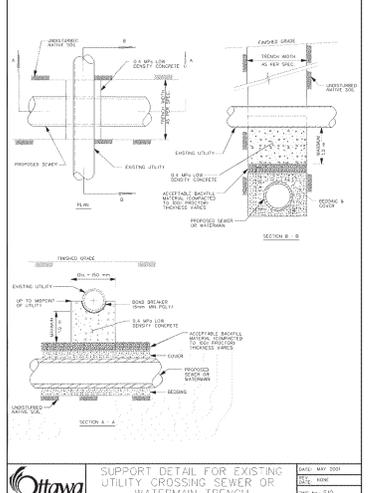
SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE USING BELL END INSERT METHOD  
DATE: MARCH 2011  
REV: MARCH 2011  
DWG NO.: S11.2



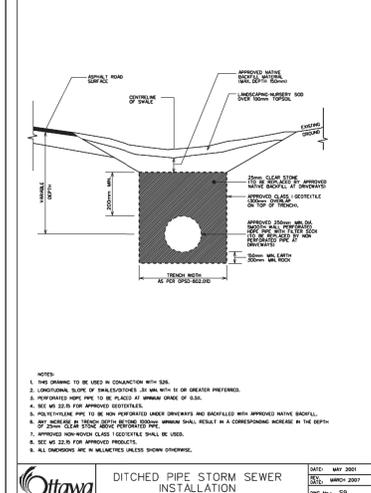
SEWER SERVICE CONNECTIONS FOR FLEXIBLE MAIN SEWER PIPE (MODIFIED OPSD-1006.020)  
DATE: MARCH 2006  
REV: MARCH 2007  
DWG NO.: S11.1



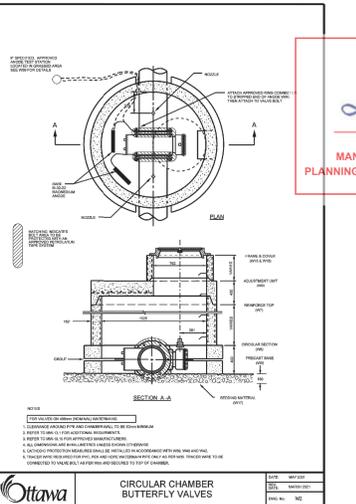
SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010)  
DATE: MARCH 2006  
REV: MARCH 2011  
DWG NO.: S11



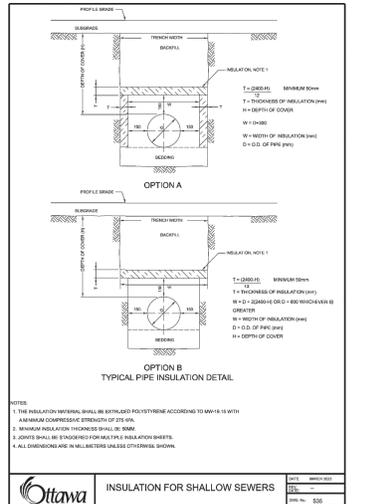
SUPPORT DETAIL FOR EXISTING UTILITY CROSSING SEWER OR WATERMAIN TRENCH  
DATE: MAY 2007  
REV: MARCH 2007  
DWG NO.: S10



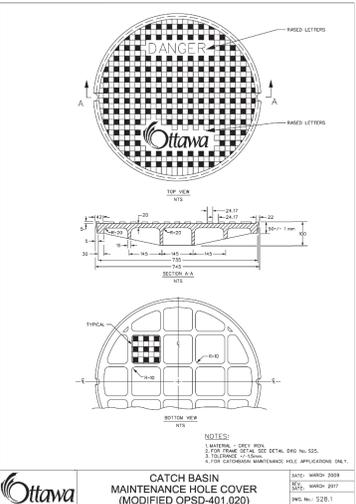
DITCHED PIPE STORM SEWER INSTALLATION  
DATE: MAY 2007  
REV: MARCH 2007  
DWG NO.: S9



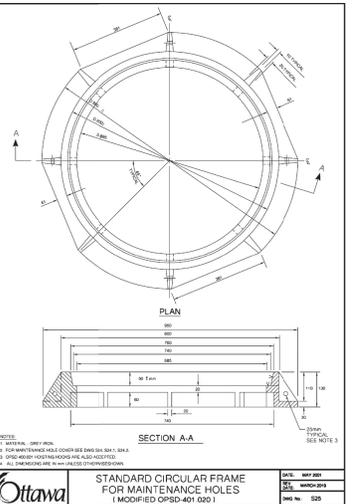
CIRCULAR CHAMBER BUTTERFLY VALVES  
DATE: MARCH 2007  
REV: MARCH 2007  
DWG NO.: M6



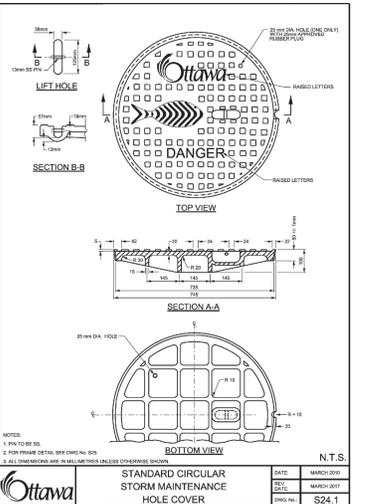
INSULATION FOR SHALLOW SEWERS  
DATE: MARCH 2008  
REV: MARCH 2008  
DWG NO.: S08



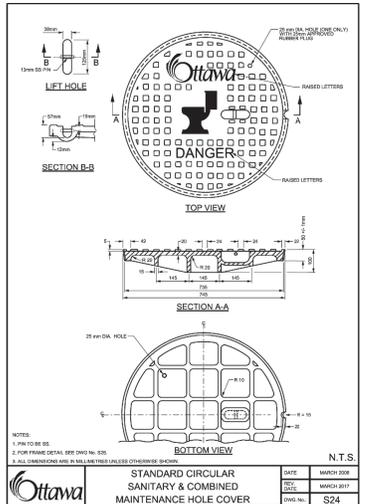
CATCH BASIN MAINTENANCE HOLE COVER (MODIFIED OPSD-401.020)  
DATE: MARCH 2008  
REV: MARCH 2007  
DWG NO.: S28.1



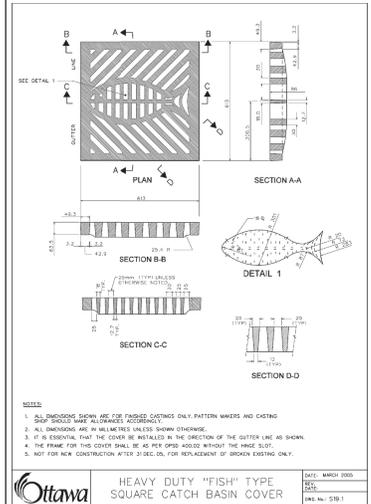
STANDARD CIRCULAR FRAME FOR MAINTENANCE HOLES (MODIFIED OPSD-401.020 I)  
DATE: MAY 2007  
REV: MARCH 2007  
DWG NO.: S28



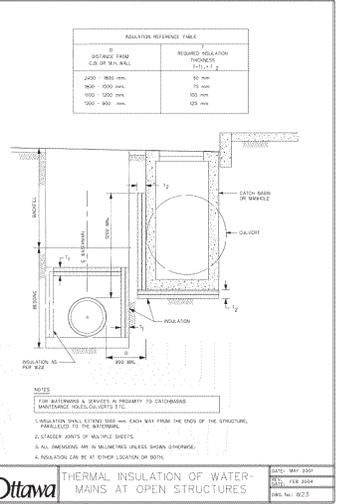
STANDARD CIRCULAR SANITARY & COMBINED MAINTENANCE HOLE COVER  
DATE: MARCH 2008  
REV: MARCH 2007  
DWG NO.: S24



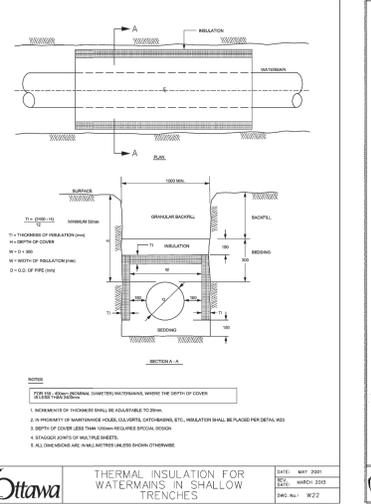
STANDARD CIRCULAR STORM MAINTENANCE HOLE COVER  
DATE: MARCH 2007  
REV: MARCH 2007  
DWG NO.: S24.1



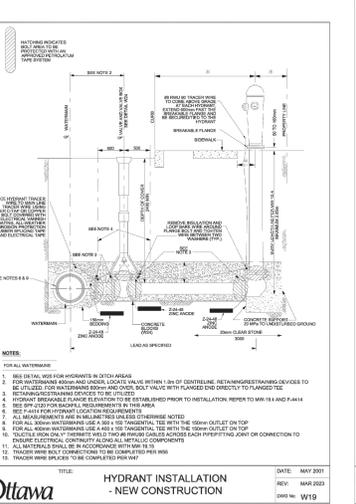
HEAVY DUTY "FISH" TYPE SQUARE CATCH BASIN COVER  
DATE: MARCH 2008  
REV: MARCH 2007  
DWG NO.: S19.1



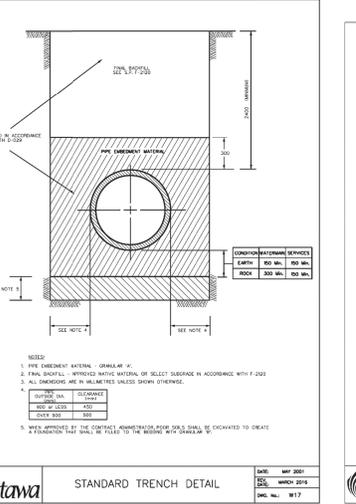
THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES  
DATE: MAY 2007  
REV: MARCH 2005  
DWG NO.: R23



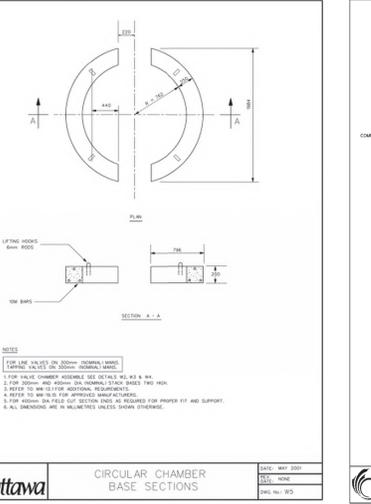
THERMAL INSULATION FOR TRENCHES  
DATE: MAY 2007  
REV: MARCH 2005  
DWG NO.: R22



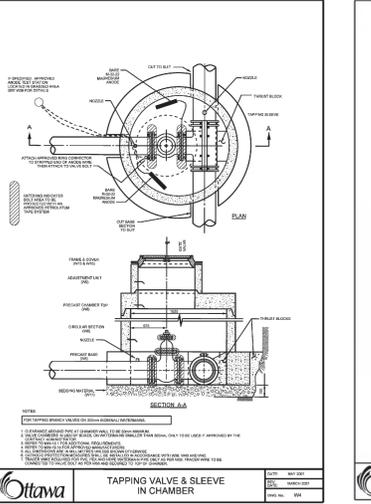
HYDRANT INSTALLATION - NEW CONSTRUCTION  
DATE: MAY 2007  
REV: MAR 2003  
DWG NO.: W19



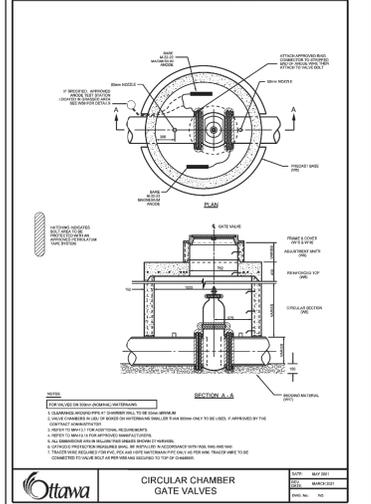
STANDARD TRENCH DETAIL  
DATE: MAY 2007  
REV: MARCH 2019  
DWG NO.: M17



CIRCULAR CHAMBER BASE SECTIONS  
DATE: MAY 2007  
REV: MARCH 2005  
DWG NO.: R25

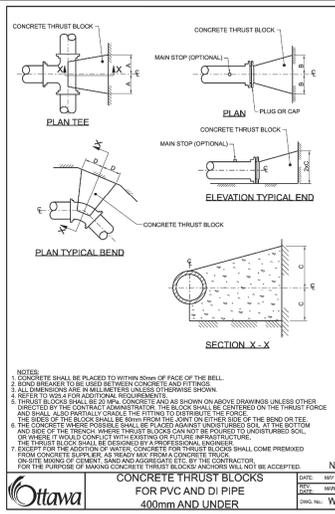
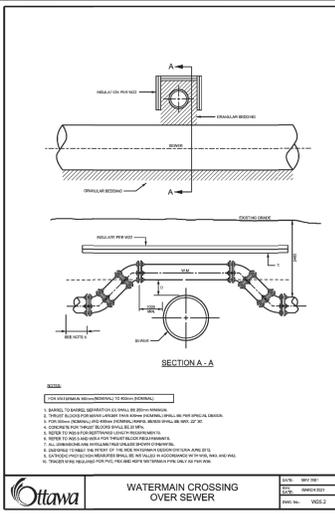
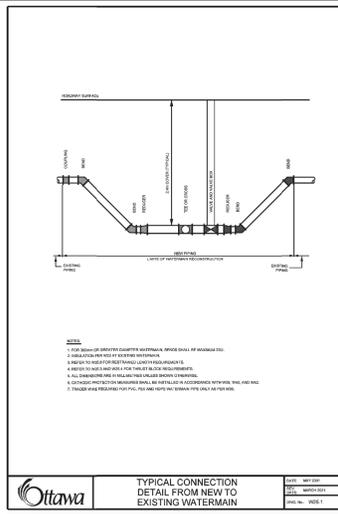
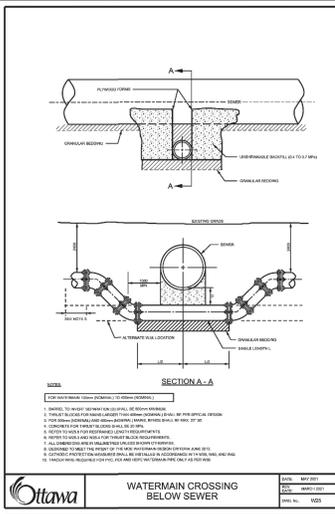
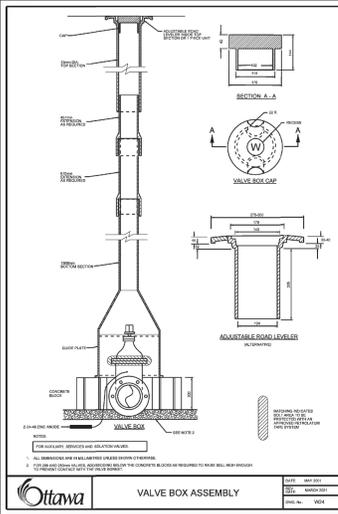


TAPPING VALVE & SLEEVE IN CHAMBER  
DATE: MAY 2007  
REV: MARCH 2005  
DWG NO.: R6



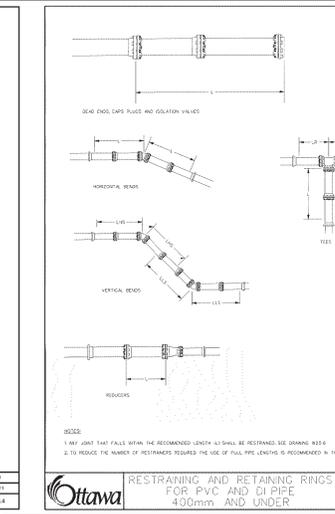
CIRCULAR CHAMBER GATE VALVES  
DATE: MAY 2007  
REV: MARCH 2005  
DWG NO.: R7

C:\pwworking\hdr\projects\2024\14212240.dwg  
Wednesday, February 7, 2024, 14:21:24



**THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER**

TABLE 1: SOIL DESCRIPTION VERY FINE SANDS, SANDY CLAYS, CLAYS  
TABLE 2: SOIL DESCRIPTION VERY FINE SANDS, SANDY CLAYS, CLAYS  
TABLE 3: SOIL DESCRIPTION SANDS, GRAVELS AND GRAVEL SAND MIXTURES, SILTS OR NO FINE



**TABLES OF RESTRAINED LENGTHS FOR DI AND DI PIPE SYSTEMS WITH STAYDOWN GRANULAR EMBEDMENT IN SOILS OF BEARING CAPACITY OF 100 kPa AND OVER**

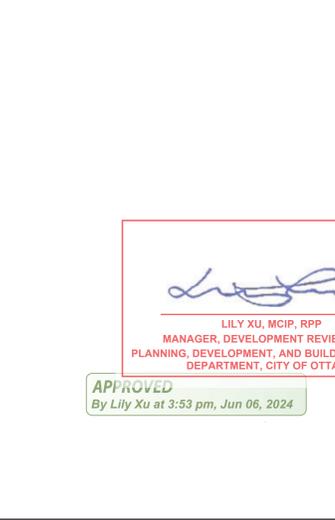
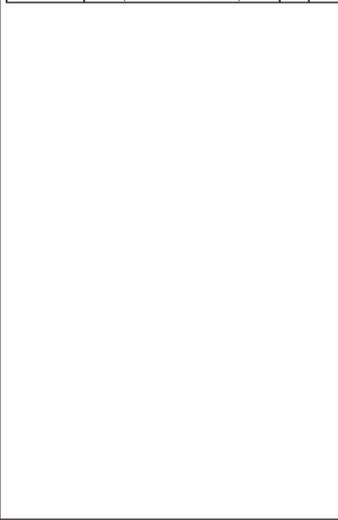
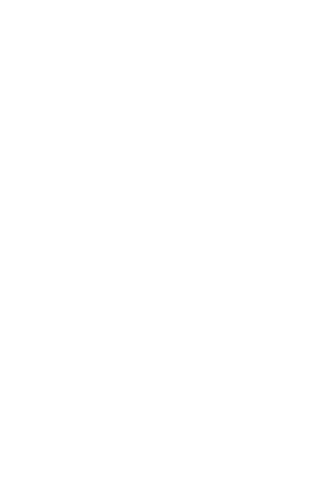
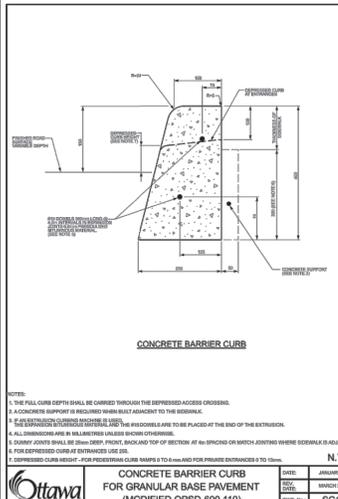
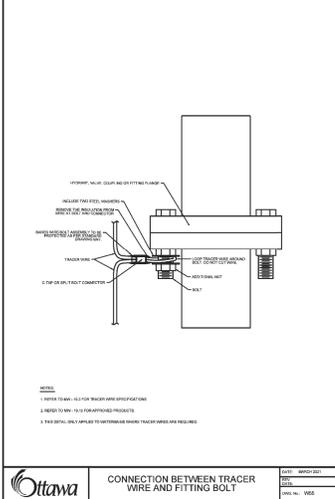
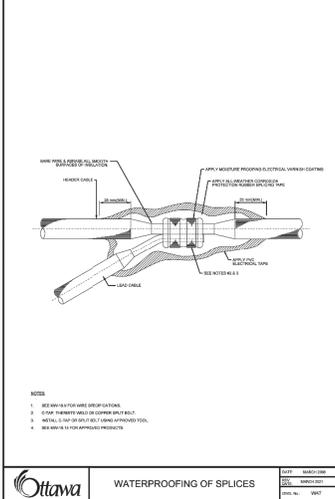
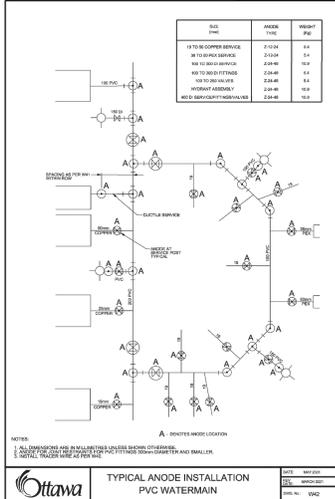
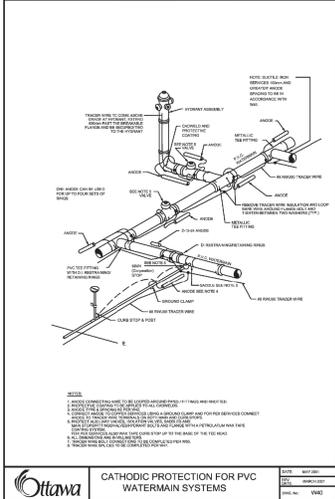
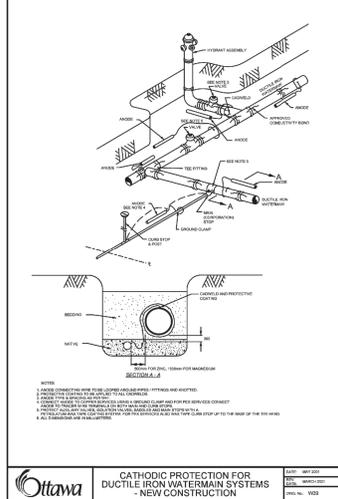
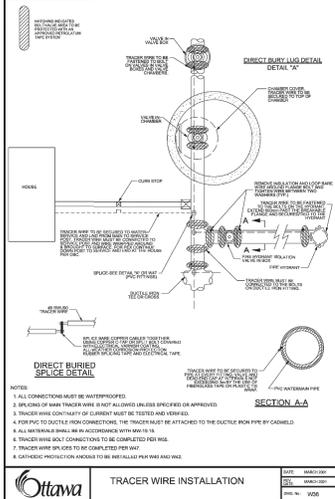
REDUCERS

SMALLER DIAMETER (UNRESTRAINED)	100mm	150mm	200mm	250mm	300mm	400mm
100mm	N/A	3	6	9	10	14
150mm	N/A	N/A	4	6	9	13
200mm	N/A	N/A	N/A	3	6	11
250mm	N/A	N/A	N/A	N/A	4	9
300mm	N/A	N/A	N/A	N/A	N/A	7
400mm	N/A	N/A	N/A	N/A	N/A	N/A

PIPE DIAMETER

100mm	150mm	200mm	250mm	300mm	400mm	
DEAD ENDS, CAPS, PLUGS, VALVES	3	6	9	10	12	16
VERTICAL BENDS	3	4	5	6	7	9
LENGTH ALONG THE BRANCH - L	1	1	1	1	1	1
LENGTH ALONG THE RUN - L <sub>R</sub>	3	3	3	3	3	3
HORIZONTAL BENDS	1	1.5	1.5	2	2	2.5

DATE: MAY 2021  
SCALE: 1/8" = 1'-0"  
DWG. NO.: W25.7



*Lily Xu*  
LILY XU, MCI, P, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

APPROVED  
By Lily Xu at 3:53 pm, Jun 06, 2024



Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: Parsons  
Structural Engineer: E3P  
Mechanical Engineer: Smith + Anderson  
Electrical Engineer: Smith + Anderson  
Planning Engineer: HDR  
Equipment Planner: Collins  
Welding: Collins

MARK DATE DESCRIPTION

01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-28	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-24	ROAD E RETAINING WALL REVIEW
05	2023-09-01	80% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR FLUIDA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR BPS DESIGN DEVELOPMENT ON PRELIMS
11	2024-01-17	ISSUED FOR DELGATED AUTHORITY REPORT
12	2024-02-28	ISSUED FOR CLIENT REVIEW
13	2024-02-28	ISSUED FOR 80% DETAIL DESIGN

Project Number: 1033385  
Original Issue: 02/2/23

NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS DETAILS 3

Sheet Number: C239

Project Status: STAGE 3

D07-12-22-0168



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



THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REVELOPMENT



The Ottawa Hospital | L'Hôpital d'Ottawa



Architect: HDR  
Landscape Architect: HDR  
Civil Engineer: HDR  
Structural Engineer: HDR  
Mechanical Engineer: HDR  
Electrical Engineer: HDR  
Planning Engineer: HDR  
Interior Designer: HDR  
Equipment Planner: HDR  
Wayfinding: HDR

Sheet Reviewer: Author

Table with 3 columns: MARK, DATE, DESCRIPTION. Contains revision history for the drawing.

Project Number: 1033882  
Project Name: 020102

NOT FOR CONSTRUCTION

Sheet Name: ADVANCE WORKS DETAILS SERVICING TABLES

Sheet Number: C240

Project Status: STAGE 3

D07-12-22-0168

STORM MAINTENANCE HOLE DATA table with columns: NO., STATION, OFFSET, COVER, STRUCTURE, INVERT ELEVATIONS (TIGRATE, INVERTS).

SANITARY MAINTENANCE HOLE DATA table with columns: NO., STATION, OFFSET, COVER, STRUCTURE, ELEVATIONS (TIGRATE, INVERTS).

SANITARY PIPE DATA table with columns: PIPE ID, FROM, TO, DIA. (mm), TYPE, LENGTH (m), SLOPE, INVERT ELEVATIONS (UPSTR, DOWNSTR).

STORM PIPE DATA table with columns: PIPE ID, FROM, TO, DIA. (mm), TYPE, LENGTH (m), SLOPE, INVERT ELEVATIONS (UPSTR, DOWNSTR).

CATCHBASIN DATA table with columns: NO., STATION, OFFSET, COVER, STRUCTURE, ELEVATION (T/FRAME, INVERTS), ICD ID, SIZE, CB LEAD, SLOPE.

CROSSING DATA table with columns: CROSSING NO., SEWER ELEV. AT CROSSING, SEWER ELEV. AT CROSSING, CLEARANCE.

\*IF THE CROSSING CLEARANCE IS LESS THAN 0.3m FOR SEWER, NON-SHRINKABLE CONCRETE SHALL BE USED IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL S10.  
\*IF THE CROSSING CLEARANCE IS LESS THAN 0.5m FOR WATERMAIN WITH UTILITIES, NON-SHRINKABLE CONCRETE SHALL BE USED IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL R20.

WATERMAIN TABLE 6+000 (ROAD D) table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE - 7+000 table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE - 30+000 table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE 40+000 (ROAD L) table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE 50+000 (ROAD E TO L) table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE 1+000 table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE 2+000 table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE 5+000 (ROAD E) table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

WATERMAIN TABLE 60+000 (ROAD A) table with columns: STATION, OFFSET (m), TYPE OF FITTING, GROUND ELEVATION, TOP OF WM ELEVATION.

THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.

APPROVED  
By Lily Xu at 3:43 pm, Jun 06, 2024

LILY XU, MCIP, RPP  
MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, DEVELOPMENT, AND BUILDING SERVICES DEPARTMENT, CITY OF OTTAWA

- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS ATTACHED IN THIS SET.
  - RETAINING WALLS ARE SHOWN SCHEMATICALLY AND SHALL BE DESIGNED BY THE CONTRACTOR.
  - FREE DRAINING GRANULAR MATERIAL, PERFORATED SUBDRAIN, AND NONWOVEN GEOTEXTILE SHALL BE AS SPECIFIED BY A GEOTECHNICAL ENGINEER, SUBDRAIN OUTLETS TO BE COORDINATED WITH RETAINING WALL MANUFACTURER.
  - ADDITIONAL WALL DRAINAGE (SUCH AS KEEP HOLES) SHALL BE AS SPECIFIED BY THE RETAINING WALL MANUFACTURER.
  - BASIS OF DESIGN FOR THE LARGE PRECAST BLOCK GRAVITY WALL SHALL BE REE-BROOK'S KINGSTONE TEXTURE IN A GREY COLOUR WITH OR WITHOUT WALL CAP. PRODUCT ALTERNATIVES THAT MATCH THE PERFORMANCE CRITERIA AND APPEARANCE OF THIS PRODUCT CAN BE SUBMITTED FOR REVIEW AND APPROVAL.
  - BASIS OF DESIGN FOR THE FENCE ATOP THE RETAINING WALL SHALL BE OMEGA 8'S ARCHITECTURAL STYLE WELDED WIRE PANEL FENCING IN BLACK WITH SQUARE POST CAPS. PRODUCT ALTERNATIVES THAT MATCH THE PERFORMANCE CRITERIA AND APPEARANCE OF THIS PRODUCT CAN BE SUBMITTED FOR REVIEW AND APPROVAL.
  - RETAINING WALLS TO BE DESIGNED IN ACCORDANCE WITH CSA S6-19 (CHBDC) AND THE FENCES ABOVE THE RETAINING WALLS IN ACCORDANCE WITH ONTARIO BUILDING CODE 2012.
  - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS, LOCATIONS AND ELEVATIONS OF EXISTING STRUCTURES AND UTILITIES THAT ARE RELEVANT TO THE WORK SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR AND THE PROPOSED ADJUSTMENT OF THE WORK REQUIRED TO MATCH THE EXISTING STRUCTURE AND UTILITIES SHALL BE SUBMITTED FOR APPROVAL.



WALL FACE	APPROX AREA (m <sup>2</sup> )
WALL 201	699

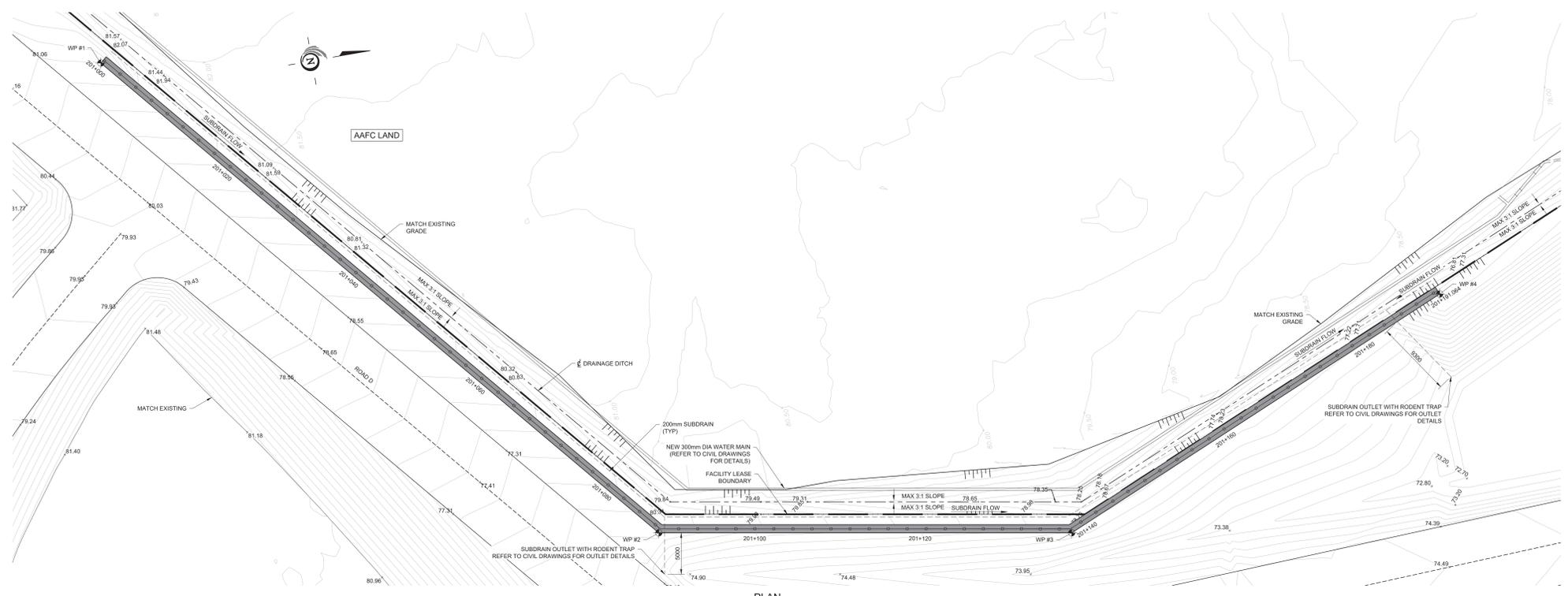
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WORKING POINTS	NORTHING	EASTING
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WP #2	5028459800.616	368443515.003
WP #3	5028589862.494	368452064.441
WP #4	502855729.961	368431246.501

- LEGEND
- XX.XX --- EXISTING ELEVATION
  - - - - - XXXX - - - - - PROPOSED ELEVATION

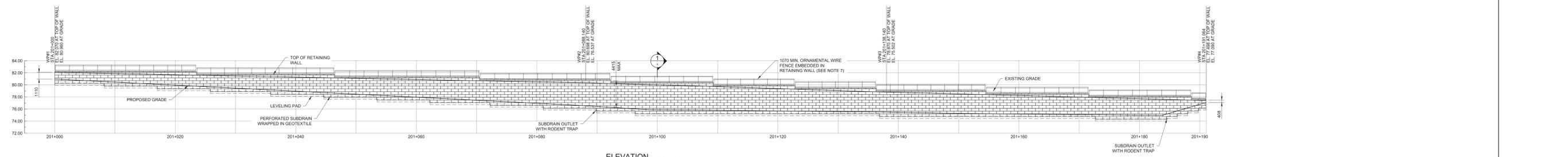
**APPROVED**  
By Lily Xu at 3:46 pm, Jun 06, 2024

LILY XU, M.C.P., R.P.P.  
MANAGER, DEVELOPMENT REVIEW SOUTH  
PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

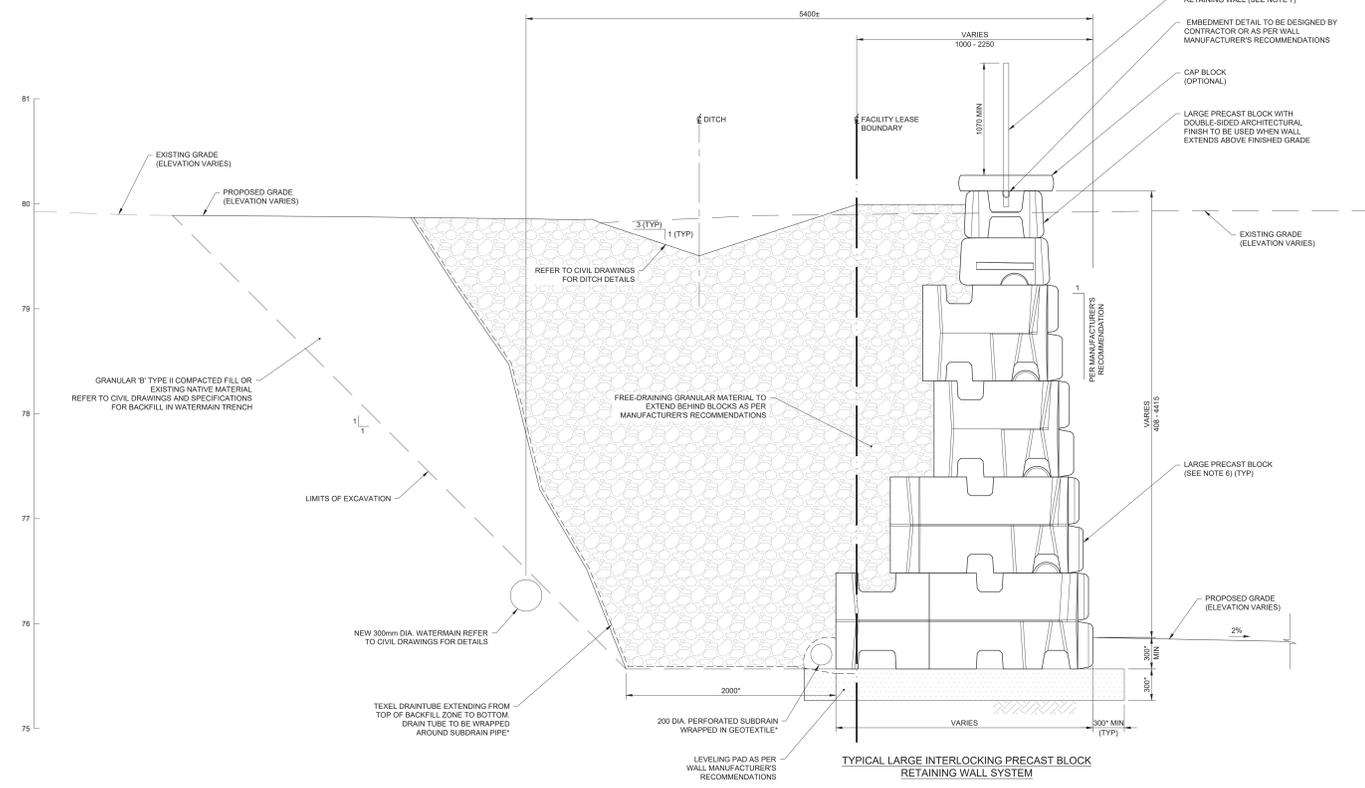
THE OTTAWA HOSPITAL  
- CIVIC CAMPUS  
REDEVELOPMENT



PLAN  
1:200



ELEVATION  
1:200



SECTION 1  
1:20

THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.



MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-28	ROAD E RETAINING WALL REVIEW
05	2023-09-01	91% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-26	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR PLOTTING - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A.3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR 91% DESIGN DEVELOPMENT OPTIMIZING
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-05	ISSUED FOR CLIENT REVIEW
13	2024-02-26	ISSUED FOR 91% DETAIL DESIGN
14	2024-06-11	ISSUED FOR TENDER

DESIGNED BY	MS
DRAWN BY	YP & SL
CHECKED BY	PH
DATE	APRIL 2024
SCALE	1:20
PROJECT NUMBER	477458

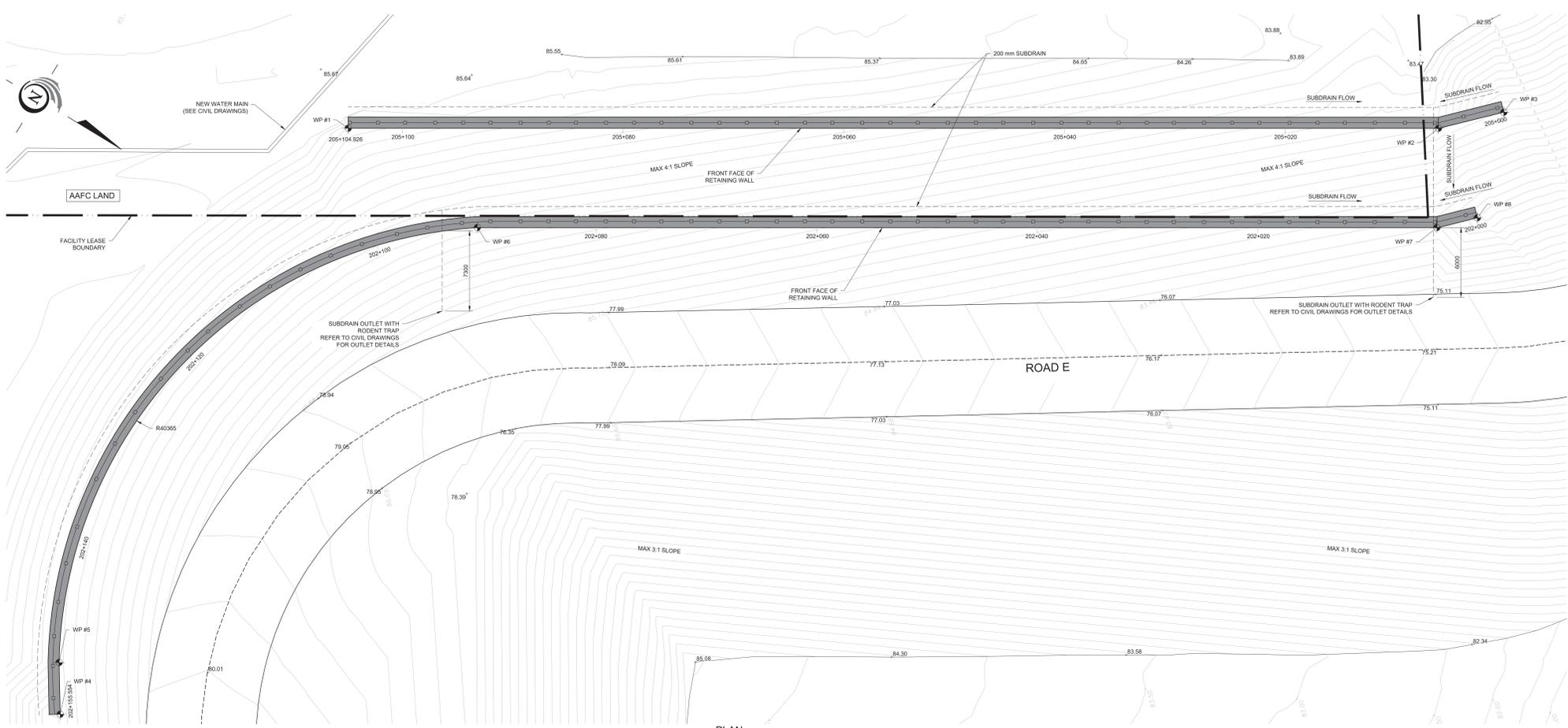
**NOT FOR CONSTRUCTION**

RETAINING WALL  
ADVANCE WORKS  
STA 201+000 - 201+191  
ROAD D/ZONE 1 PARKING

S201

Project Status  
STAGE 3

D07-12-22-0168



- NOTES:**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS ATTACHED IN THIS SET.
  2. RETAINING WALLS ARE SHOWN SCHEMATICALLY AND SHALL BE DESIGNED BY THE CONTRACTOR.
  3. FREE DRAINING GRANULAR MATERIAL, PERFORATED SUBDRAIN, AND NONWOVEN GEOTEXTILE SHALL BE AS SPECIFIED BY A GEOTECHNICAL ENGINEER. SUBDRAIN OUTLETS TO BE COORDINATED WITH RETAINING WALL MANUFACTURER.
  4. ADDITIONAL WALL DRAINAGE (SUCH AS KEEP HOLES) SHALL BE AS SPECIFIED BY THE RETAINING WALL MANUFACTURER.
  5. BASIS OF DESIGN FOR THE LARGE PRECAST BLOCK GRAVITY WALL SHALL BE REINFORCED CONCRETE WITH A GREY COLOR WITH OR WITHOUT WALL CAP. PRODUCT ALTERNATIVES THAT MATCH THE PERFORMANCE CRITERIA AND APPEARANCE OF THIS PRODUCT CAN BE SUBMITTED FOR REVIEW AND APPROVAL.
  6. BASIS OF DESIGN FOR THE FENCE ATOP THE RETAINING WALL SHALL BE OMEGA 85 ARCHITECTURAL STYLE WELDED WIRE PANEL FENCING IN BLACK WITH SQUARE POST CAPS. PRODUCT ALTERNATIVES THAT MATCH THE PERFORMANCE CRITERIA AND APPEARANCE OF THIS PRODUCT CAN BE SUBMITTED FOR REVIEW AND APPROVAL.
  7. RETAINING WALLS TO BE DESIGNED IN ACCORDANCE WITH CSA S6-19 (CHBDC) AND THE FENCES ABOVE THE RETAINING WALLS IN ACCORDANCE WITH ONTARIO BUILDING CODE 2012.
  8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS, LOCATIONS AND ELEVATIONS OF EXISTING STRUCTURES AND UTILITIES THAT ARE RELEVANT TO THE WORK SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR AND THE PROPOSED ADJUSTMENT OF THE WORK REQUIRED TO MATCH THE EXISTING STRUCTURE AND UTILITIES SHALL BE SUBMITTED FOR APPROVAL.

WALL FACE	APPROX AREA (m <sup>2</sup> )
WALL 205 (UPPER)	232
WALL 202 (LOWER)	378

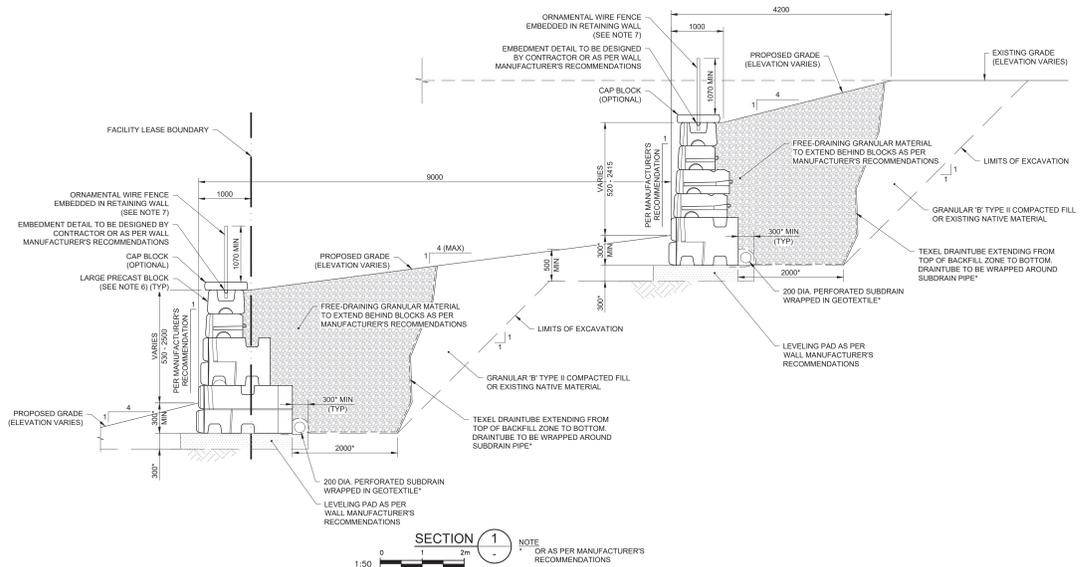
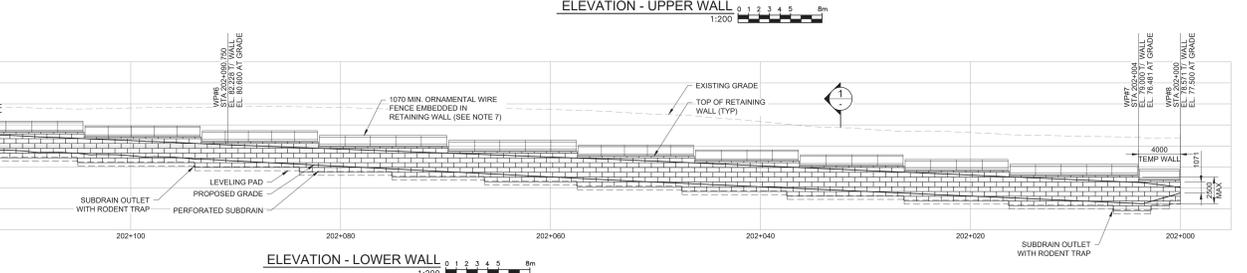
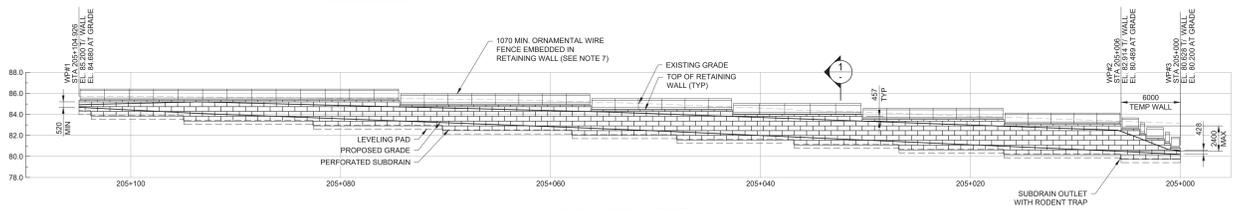
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	NORTHING	EASTING
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WP #2	5028289939.210	366626561.512
WP #3	5028294242.718	36662228.691
WP #4	5028210797.399	366736857.226
WP #5	5028208277.136	366732003.113
WP #6	5028220180.786	366676602.513
WP #7	5028294490.835	366634319.313
WP #8	5028297166.589	366631653.422

- LEGEND**
- + XXX.XX EXISTING ELEVATION
  - + XXX.XX PROPOSED ELEVATION

**APPROVED**  
 By Lily Xu at 3:45 pm, Jun 06, 2024



LILY XU, MCI, RPP  
 MANAGER, DEVELOPMENT REVIEW SOUTH  
 PLANNING, DEVELOPMENT, AND BUILDING SERVICES  
 DEPARTMENT, CITY OF OTTAWA



THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. ANY USE OR MODIFICATION OF THESE DRAWINGS IS ENTIRELY AT THE USER'S OWN RISK. PLEASE REFER TO THE CONSTRUCTION-ISSUE DRAWINGS BEARING A PROFESSIONAL ENGINEER'S STAMP FOR DEFINITIVE INFORMATION.



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT



MARK	DATE	DESCRIPTION
01	2023-07-24	ISSUED FOR INTERNAL REVIEW
02	2023-07-26	ISSUED FOR PHASE 3 & 4 ADVANCED WORKS
03	2023-08-11	ISSUED FOR REVIEW & COSTING
04	2023-08-29	ROAD E RETAINING WALL REVIEW
05	2023-09-01	90% DESIGN DEVELOPMENT DRAWINGS
06	2023-09-20	ISSUED FOR REVIEW & COSTING
07	2023-10-06	ISSUED FOR PLUOTA - ADVANCE WORKS
08	2023-10-27	ISSUED FOR MCH 3A.3
09	2023-11-28	ISSUED FOR DISCUSSION
10	2023-12-04	ISSUED FOR WLS DESIGN DEVELOPMENT OUTRIGGER
11	2024-01-17	ISSUED FOR DELEGATED AUTHORITY REPORT
12	2024-02-05	ISSUED FOR CLIENT REVIEW
13	2024-02-26	ISSUED FOR 90% DETAIL DESIGN
14	2024-06-11	ISSUED FOR TENDER

DESIGNED BY: MS  
 DRAWN BY: YP & SL  
 CHECKED BY: PH  
 DATE: APRIL 2024  
 SCALE:  
 PROJECT NUMBER: 477458

**NOT FOR CONSTRUCTION**

Sheet Name  
 RETAINING WALL  
 ADVANCE WORKS  
 STA 202+000 - 202+156  
 STA 205+000 - 205+105  
 ROAD E  
 Sheet Number  
 S202  
 Project Status  
 STAGE 3

D07-12-22-0168