

LEGEND:

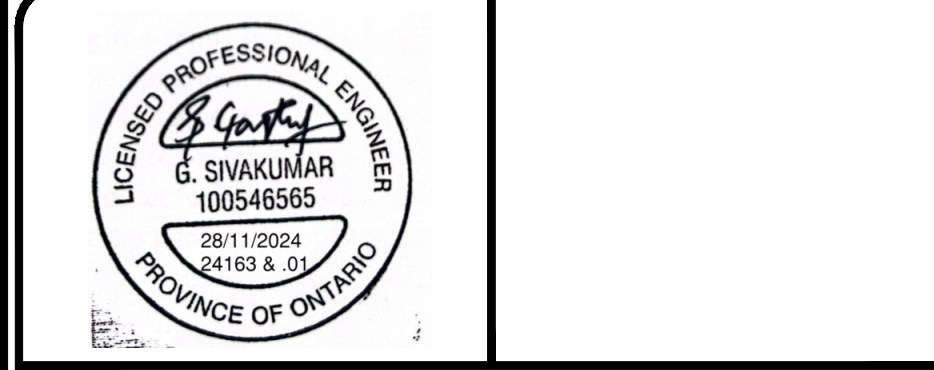
EX.144.96	EXISTING GRADE TO REMAIN	○	EXISTING STORM MANHOLE
1/3 144.96	PROPOSED 1/3 ELEVATION	○	EXISTING SANITARY AND/OR COMBINED SEWER MANHOLE
145.38	PROPOSED GRADE	○	EXISTING CATCH-BASH
TC.145.38	PROPOSED TOP OF CURB ELEVATION	○	EXISTING LIGHT STANDARDS
BC.145.38	PROPOSED BOTTOM OF CURB ELEVATION	○	EXISTING WATER VALVE
TW.145.38	PROPOSED TOP OF WALL ELEVATION	○	EXISTING FIRE HYDRANT
BW.145.38	PROPOSED BOTTOM OF WALL ELEVATION	○	PROPOSED STORM MANHOLE
EX.145.38	EXISTING TOP OF CURB ELEVATION	○	PROPOSED CATCH-BASH MANHOLE
EX.145.38	EXISTING BOTTOM OF CURB ELEVATION	○	PROPOSED BENCH
EX.145.38	EXISTING TOP OF WALL ELEVATION	○	PROPOSED FRENCH DRAIN
EX.145.38	EXISTING BOTTOM OF WALL ELEVATION	○	PROPOSED RETAINING
EX.2%	PROPOSED SLOPE	○	PROPOSED BUILDING
EXISTING SLOPE	EXISTING SLOPE	○	EXISTING BUILDING TO REMAIN
CB	PROPOSED CATCH-BASH	○	BUILDING-GROUND LEVEL OUTLINE
→	OVERLAND DRAINAGE FLOW ARROWS	○	BUILDING ABOVE GROUND LEVEL OUTLINE
---	PROPERTY LINE	○	PROPOSED TREE PROTECTION ZONE
---	REGIONAL FLOOD LINE	○	PROPOSED GRAVEL ACCESS ROAD
---	REGIONAL FLOOD LINE 15m OFFSET	○	
---	MEANDERBELT LIMIT	○	
---	MEANDERBELT LIMIT OFFSET	○	
---	SRCA REGULATION LIMIT	○	

BEARING:
BEARINGS ARE UTM GRID, DERIVED BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010) FOR BEARING COMPASSION. A NOTATION OF 1000' COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON PLAN P.1, P.2, AND P.4.
DISTANCES ARE GRID AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99997.
ALL BUILDING TIES ARE TAKEN TO CONCRETE FOUNDATION.

ELEVATION:
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE ONTARIO MINISTRY OF NATURAL RESOURCES AND FORESTRY BENCHMARK NO. 0081972804 HAVING A PUBLISHED ELEVATION OF 261.000 METRES.

SURVEYING INFORMATION:
SURVEYING INFORMATION IS REFERENCED FROM J. D. BARNES LIMITED - REFERENCE NO. 22-21-677-00, DATED JANUARY 03, 2023.

No.	Revision	Date	By	App.
6	ISSUED FOR DD COSTING	NOV. 29, 2024	H.R.	G.S.
5	ISSUED FOR SITE PLAN APPROVAL	NOV. 28, 2024	H.R.	G.S.
4	ISSUED FOR SITE PLAN APPROVAL	SEPT. 19, 2024	H.R.	G.S.
3	ISSUED FOR 50% DD / ISSUED FOR DRAFT SPA	JULY 31, 2024	H.B.	G.S.
2	ISSUED FOR STAGE 2.1 BLOCK SCHEMATICS	MAY 02, 2024	H.B.	G.S.
1	ISSUED FOR SD COSTING	APR 01, 2024	H.B.	G.S.



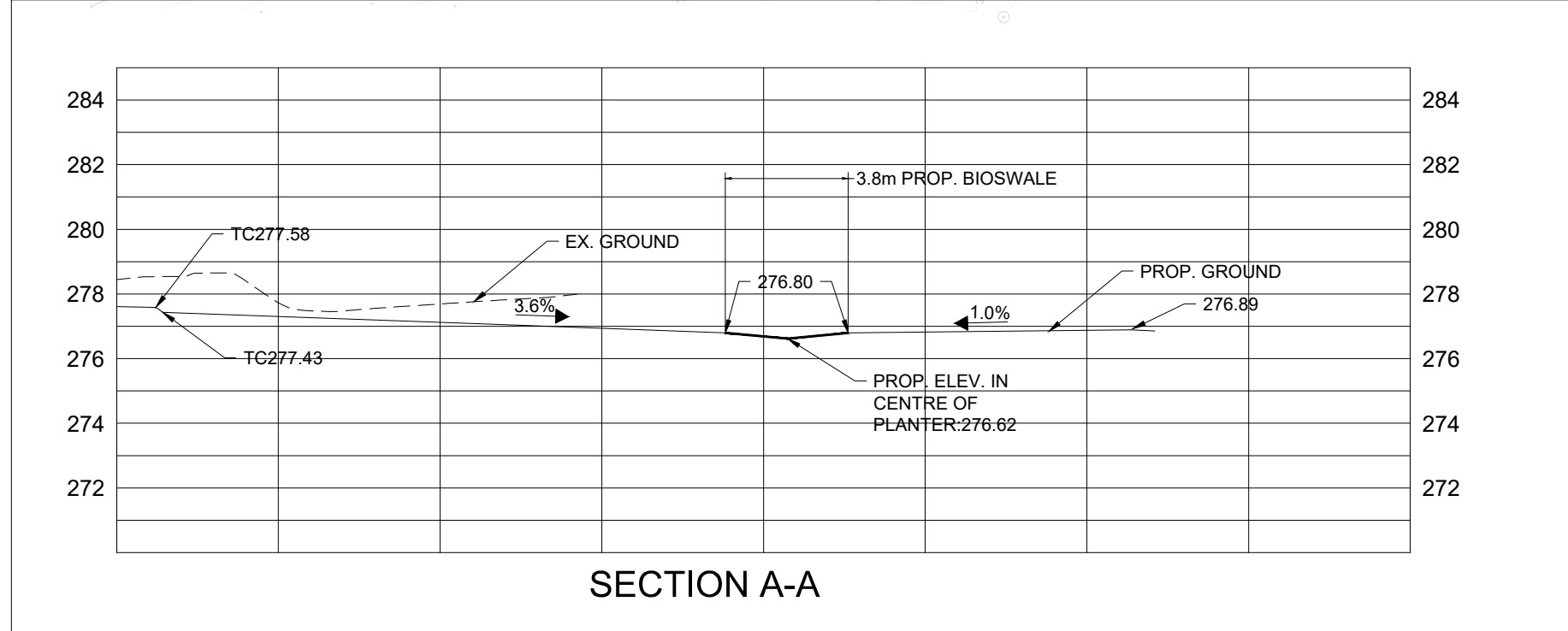
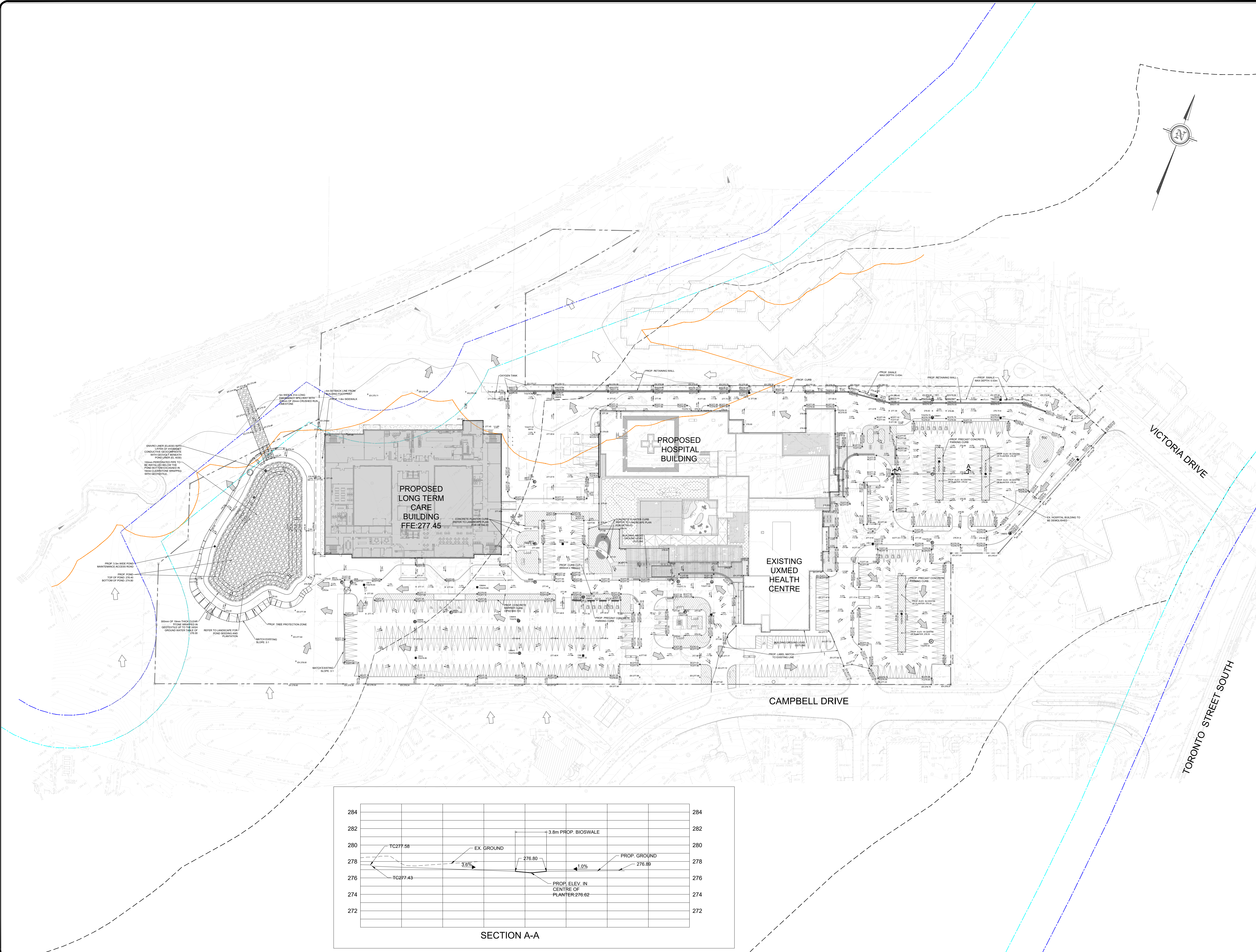
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Location:
**OAK VALLEY HEALTH UXBRIDGE HOSPITAL
UXBRIDGE, ON**

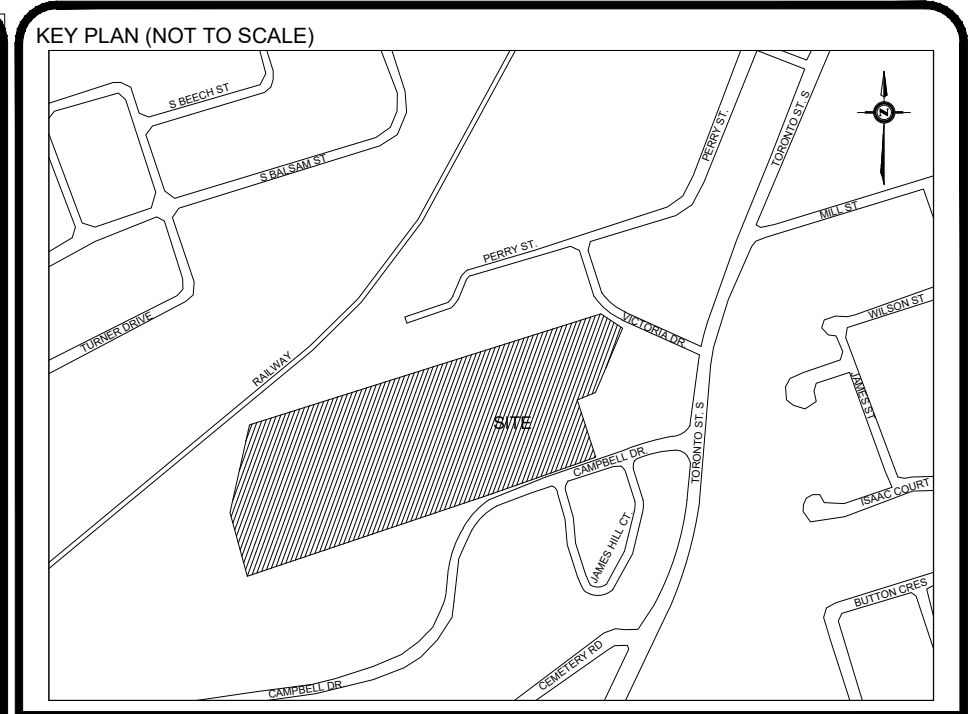
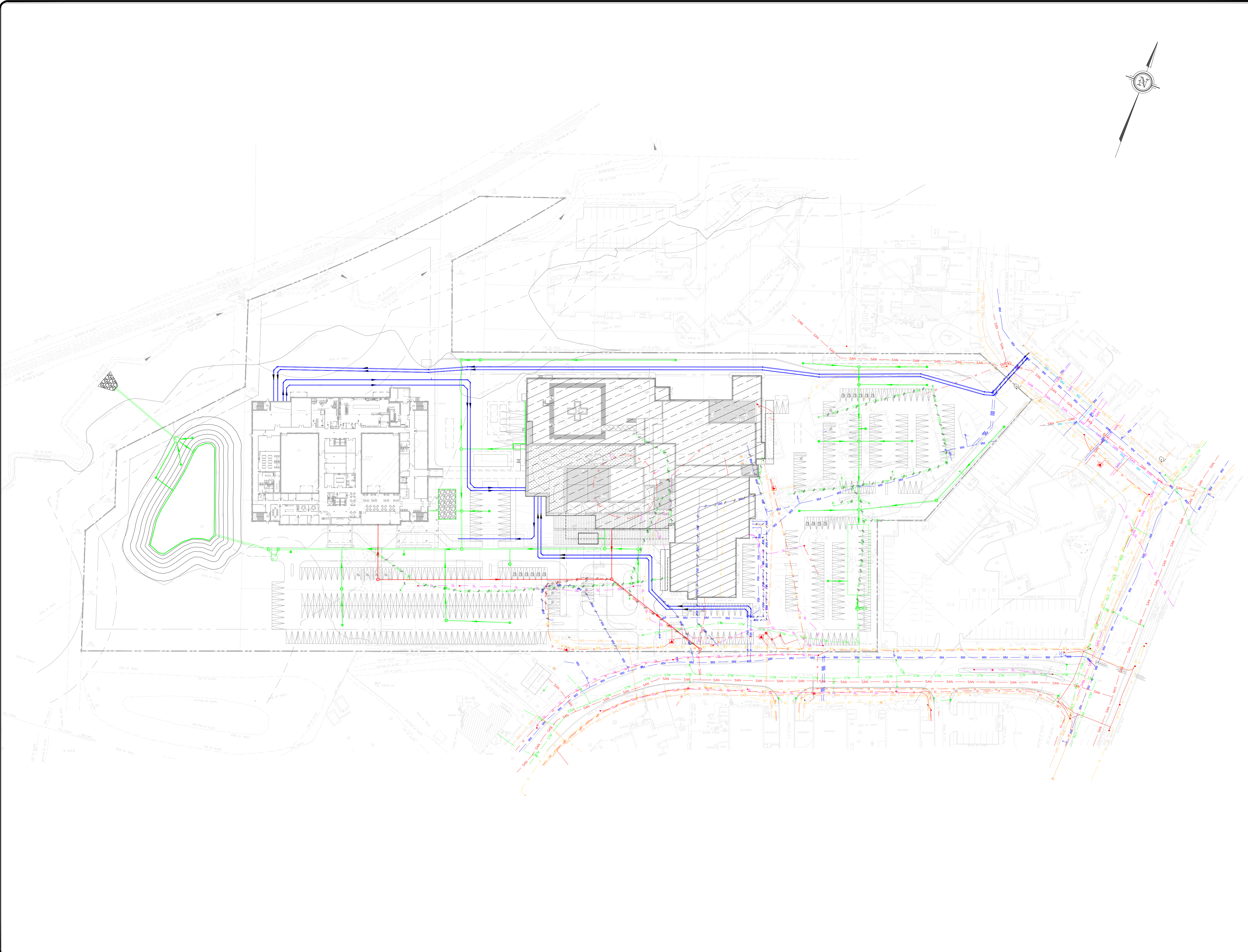
Title:
SITE GRADING PLAN (FINAL WORKS)

Designed By: J.P. | Drawn By: J.P. | Checked By: F.F.
Scale: 1:750 (FULL SIZE) | Date: JAN. 17, 2024 | Drawing No.: C-01
Project No.: 24163



SECTION A-A

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- LEGEND:**
- BT EXISTING BELL
 - GAS EXISTING GAS MAIN
 - H EXISTING HYDRO
 - STM EXISTING STORM SEWER
 - SAN EXISTING SANITARY SEWER
 - SAN EXISTING SANITARY SEWER (ABANDONED)
 - WM EXISTING WATERMAIN
 - WM EXISTING WATERMAIN (ABANDONED)
 - SL EXISTING STREET LIGHT
 - RL EXISTING ROGERS
 - PROPERTY LINE
 - MH (Green Circle) PROPOSED STORM MANHOLE
 - MH (Red Circle) PROPOSED SANITARY MANHOLE
 - CB (Green Circle) PROPOSED CATCHBASIN
 - CBMH (Green Circle) PROPOSED CATCHBASIN MANHOLE
 - STM (Green Arrow) PROPOSED STORM SEWER
 - SAN (Red Arrow) PROPOSED SANITARY SEWER
 - WM (Blue Arrow) PROPOSED WATER MAIN
 - EXISTING UTILITY REMOVAL
 - HEADWALL AND RIPRAP
 - ▨ PROPOSED BUILDING OUTLINE
 - ▨ EXISTING BUILDING OUTLINE

BEARING
 BEARINGS ARE UTM GRID, DERIVED BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010).
 FOR BEARING COMPARISONS, A ROTATION OF 170°00' COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON PLAN P.1, P.2, AND P.3.
 DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999707.
 ALL BUILDING TIES ARE TAKEN TO CONCRETE FOUNDATION.

ELEVATION
 ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE ONTARIO MINISTRY OF NATURAL RESOURCES AND FORESTRY BENCHMARK NO. 0001978024 HAVING A PUBLISHED ELEVATION OF 261.000 METRES.

SURVEYING INFORMATION
 SURVEYING INFORMATION IS REFERENCED FROM J. D. BARNES LIMITED - REFERENCE NO. 22-21-6-877-00.
 DATED JANUARY 03, 2023.

No.	Revision	Date	By	App.
4	ISSUED FOR DD COSTING	NOV. 29, 2024	H.R.	G.S.
3	ISSUED FOR SITE PLAN APPROVAL	NOV. 28, 2024	H.R.	G.S.
2	ISSUED FOR SITE PLAN APPROVAL	SEPT. 19, 2024	H.R.	G.S.
1	ISSUED FOR 50% DD / ISSUED FOR DRAFT SPA	JULY 31, 2023	H.B.	F.F.



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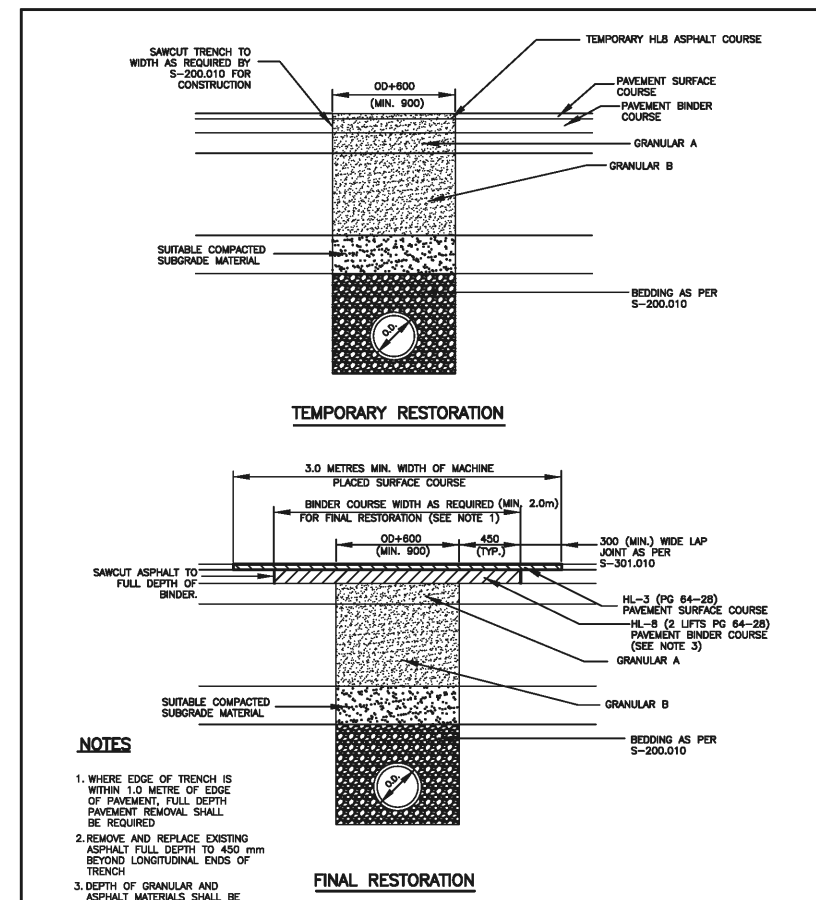


Location:
**OAK VALLEY HEALTH UXBRIDGE HOSPITAL
 UXBRIDGE, ON**

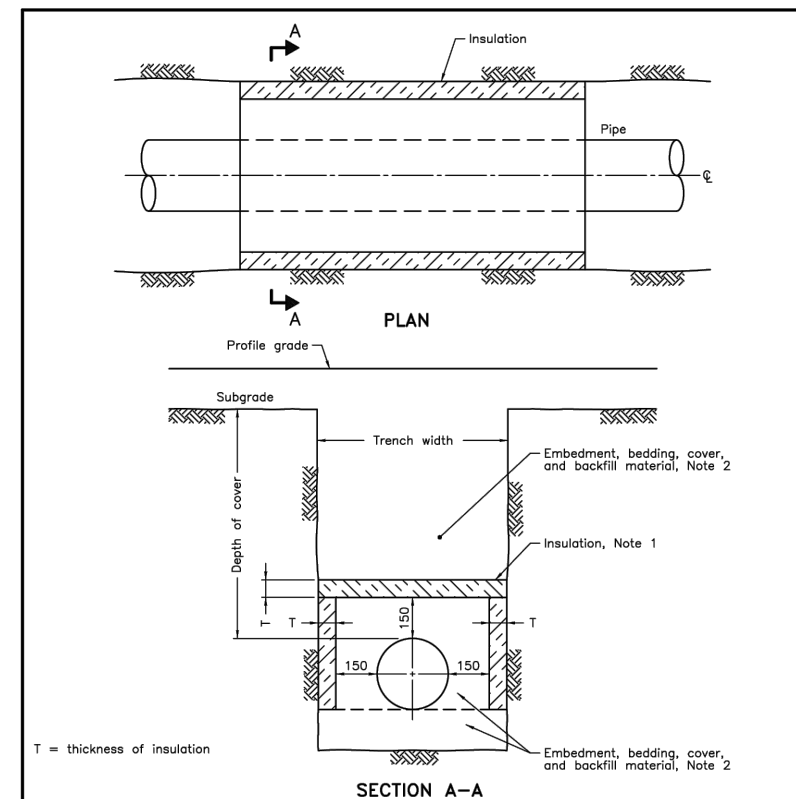
Title:
COMPOSITE UTILITY PLAN

Designed By: J.P. | Drawn By: J.P. | Checked By: F.F.
 Scale: 1:750 (FULL SIZE) | Date: JAN. 17, 2024 | Drawing No.: C-03
 Project No.: 24163

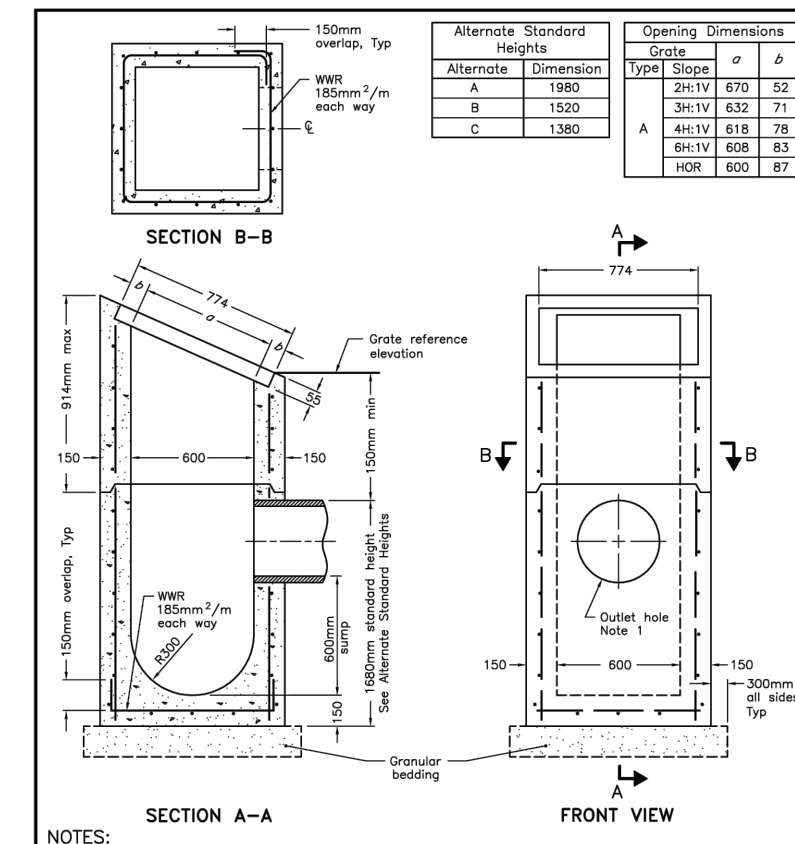
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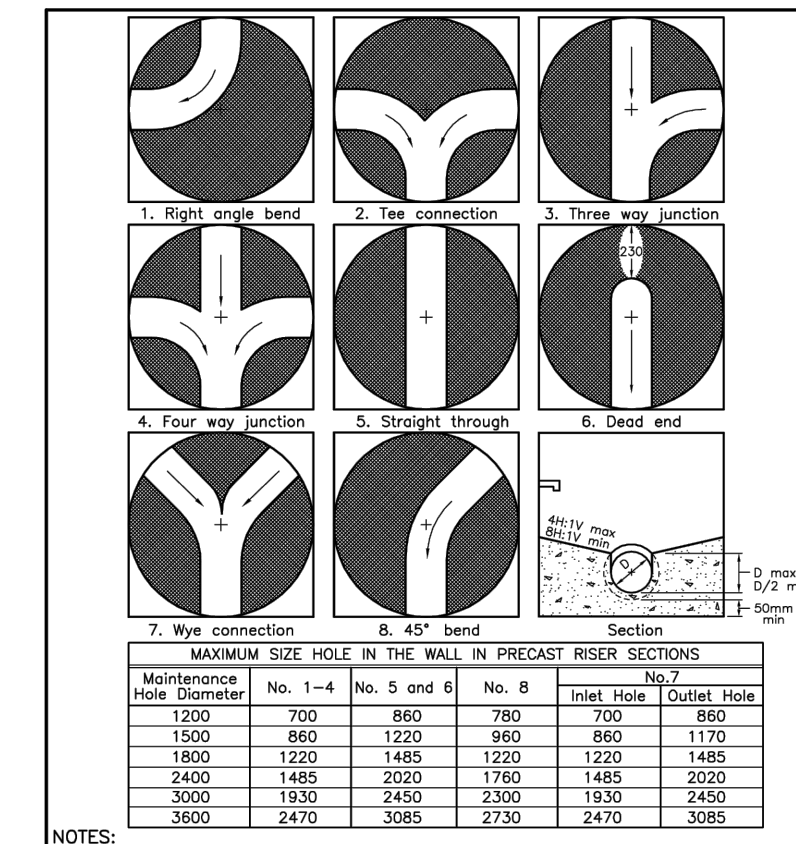
TRENCH RESTORATION DETAIL
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2020 [Rev 1]
 OPSD 8-200.020



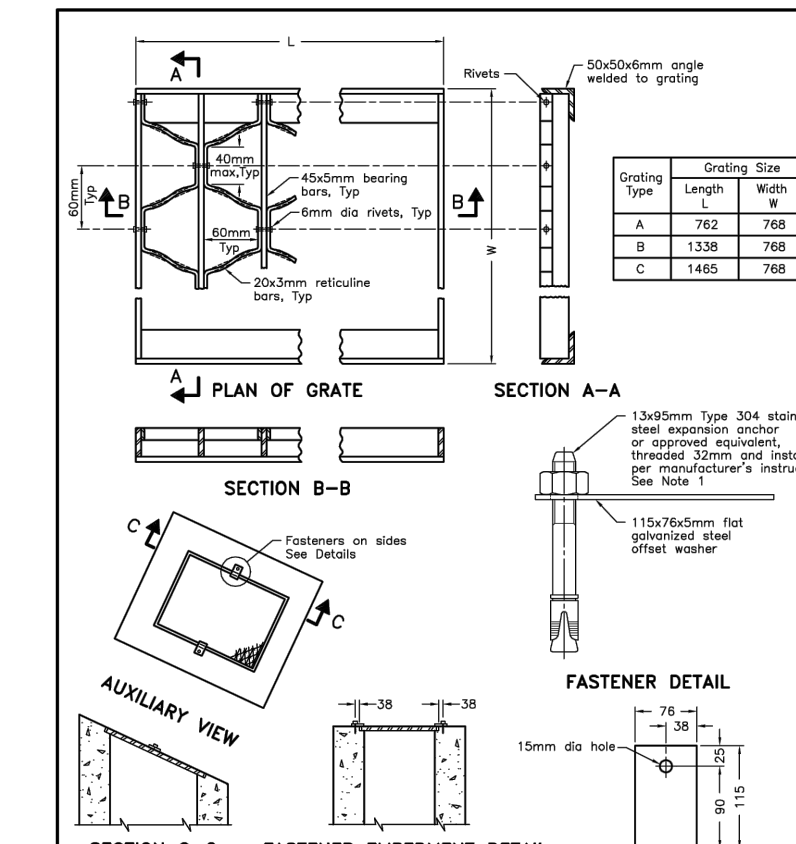
TYPICAL PIPE INSULATION DETAIL
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2019 [Rev 1]
 OPSD 1109.030



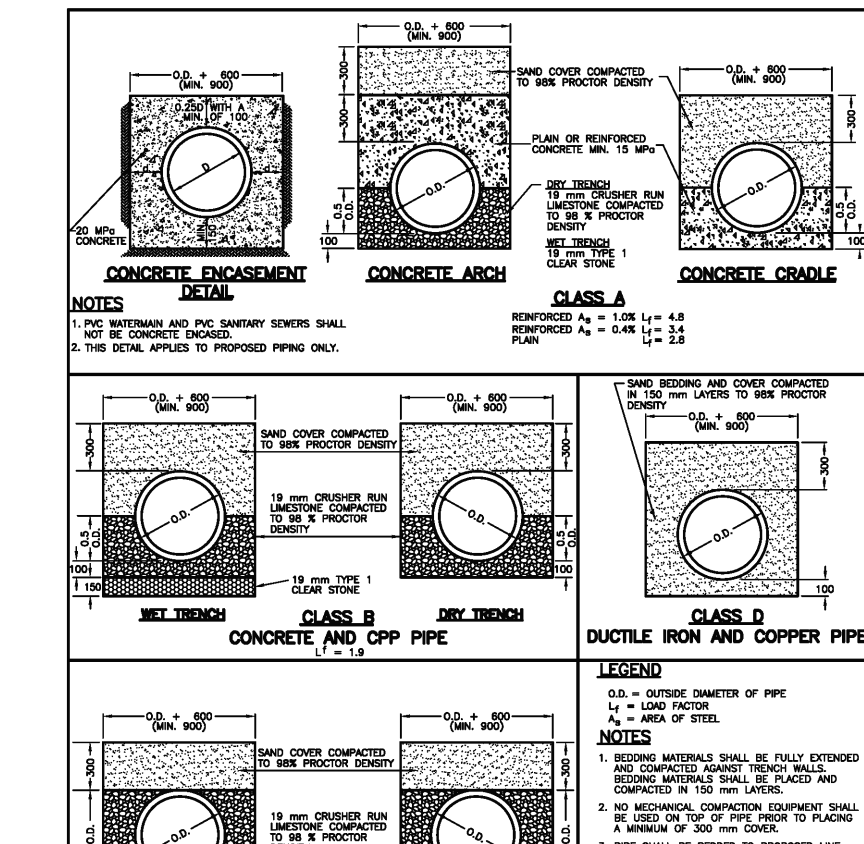
PRECAST CONCRETE DITCH INLET 600 x 600mm
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2019 [Rev 1]
 OPSD 705.030



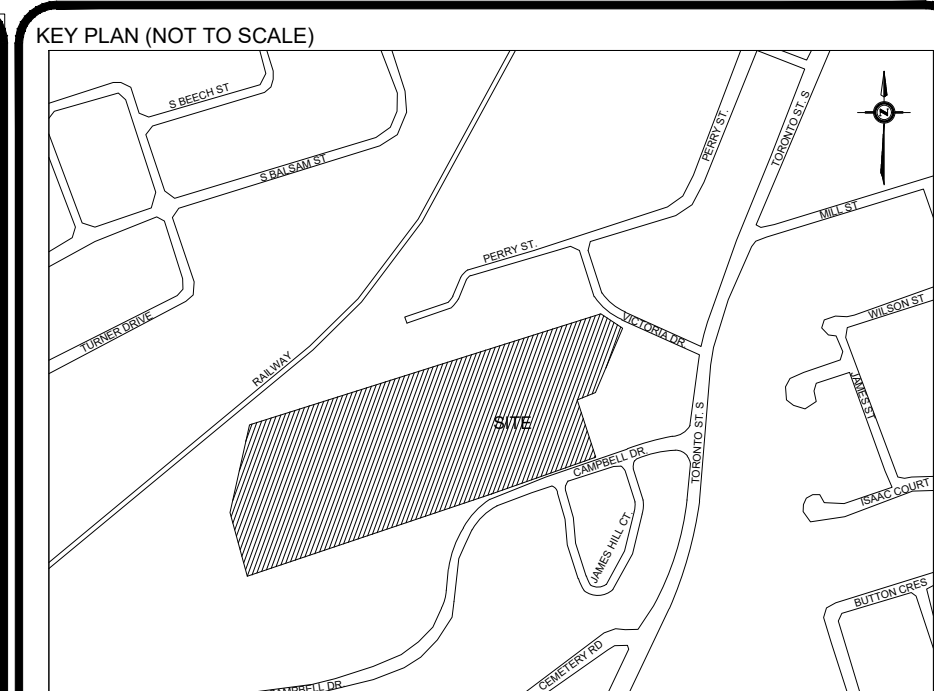
MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2014 [Rev 1]
 OPSD 701.021



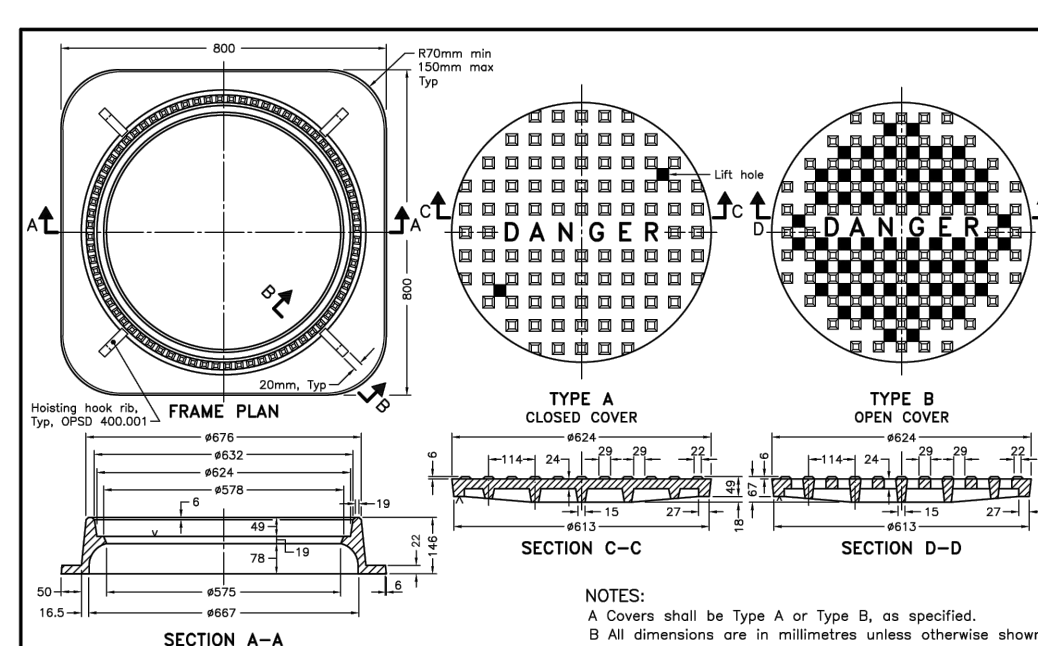
GALVANIZED STEEL HONEYCOMB GRATING FOR DITCH INLETS
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2017 [Rev 3]
 OPSD 403.010



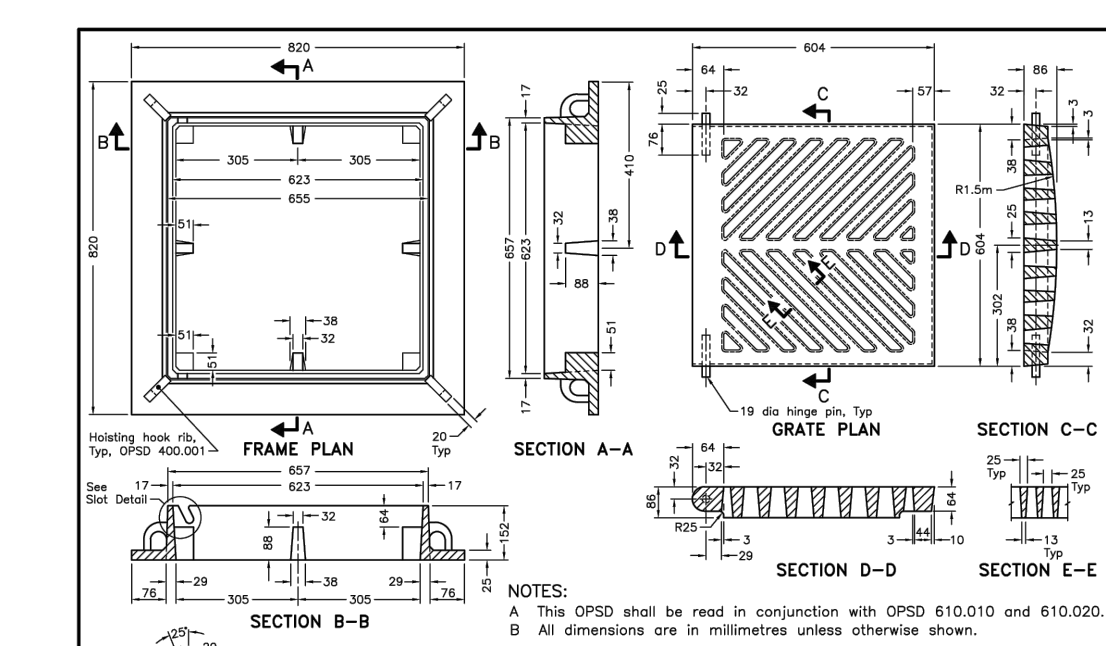
SANITARY, STORM AND WATER (MAIN AND SERVICE) PIPE BEDDING AND CONCRETE ENCASUREMENT DETAILS
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2017 [Rev 1]
 OPSD S-200.010



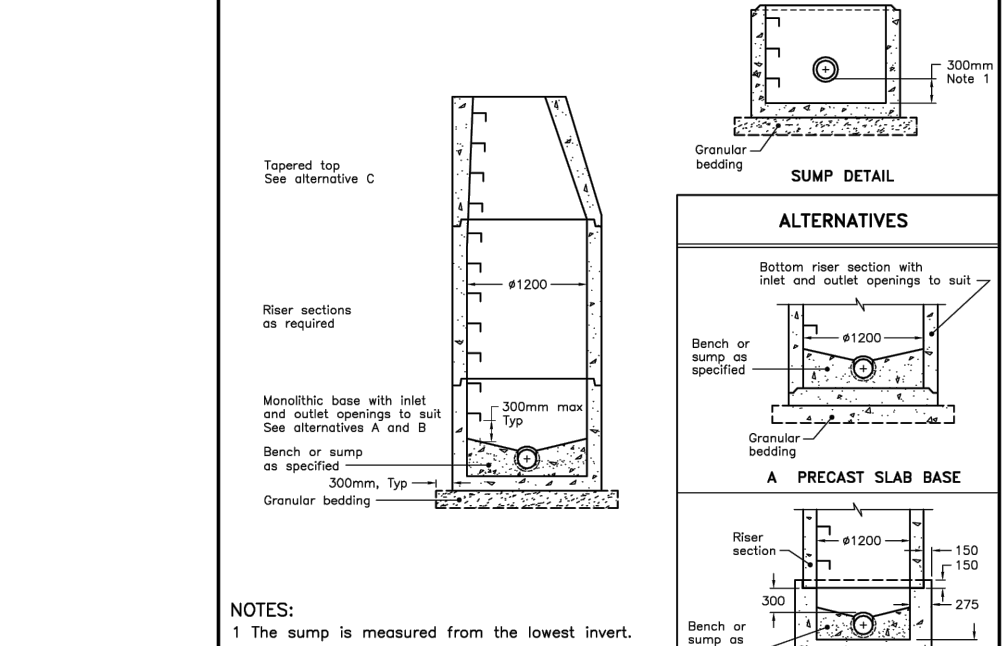
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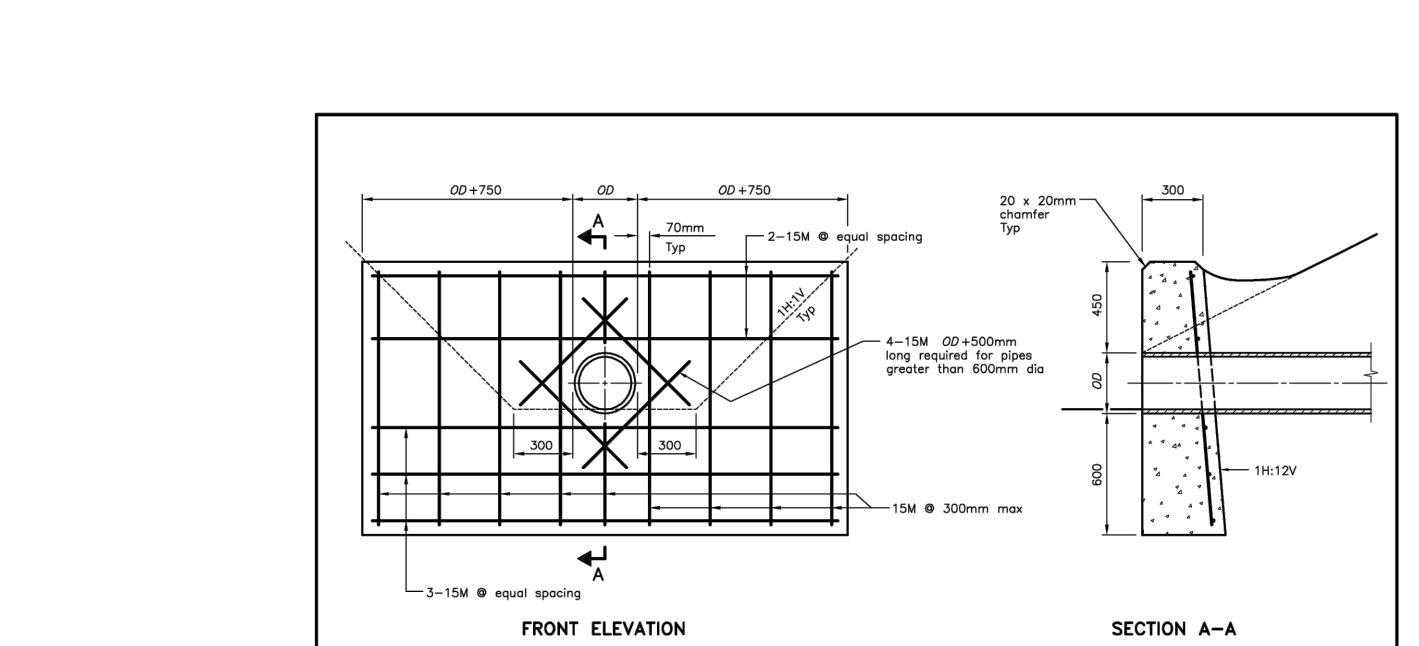
CAST IRON SQUARE FRAME WITH CIRCULAR CLOSED OR OPEN COVER FOR MAINTENANCE HOLES
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2016 [Rev 1]
 OPSD 401.010



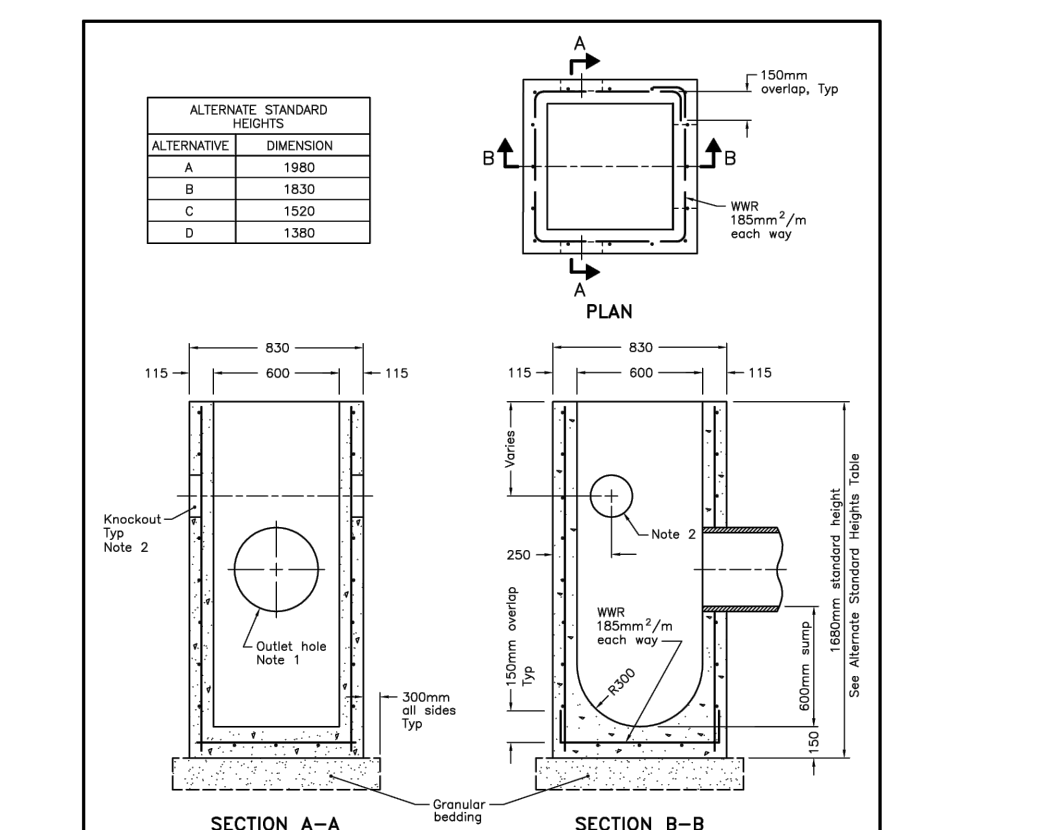
INSULATION FOR SEWERS AND WATERMAINS IN SHALLOW TRENCHES
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2016 [Rev 1]
 OPSD 1109.030



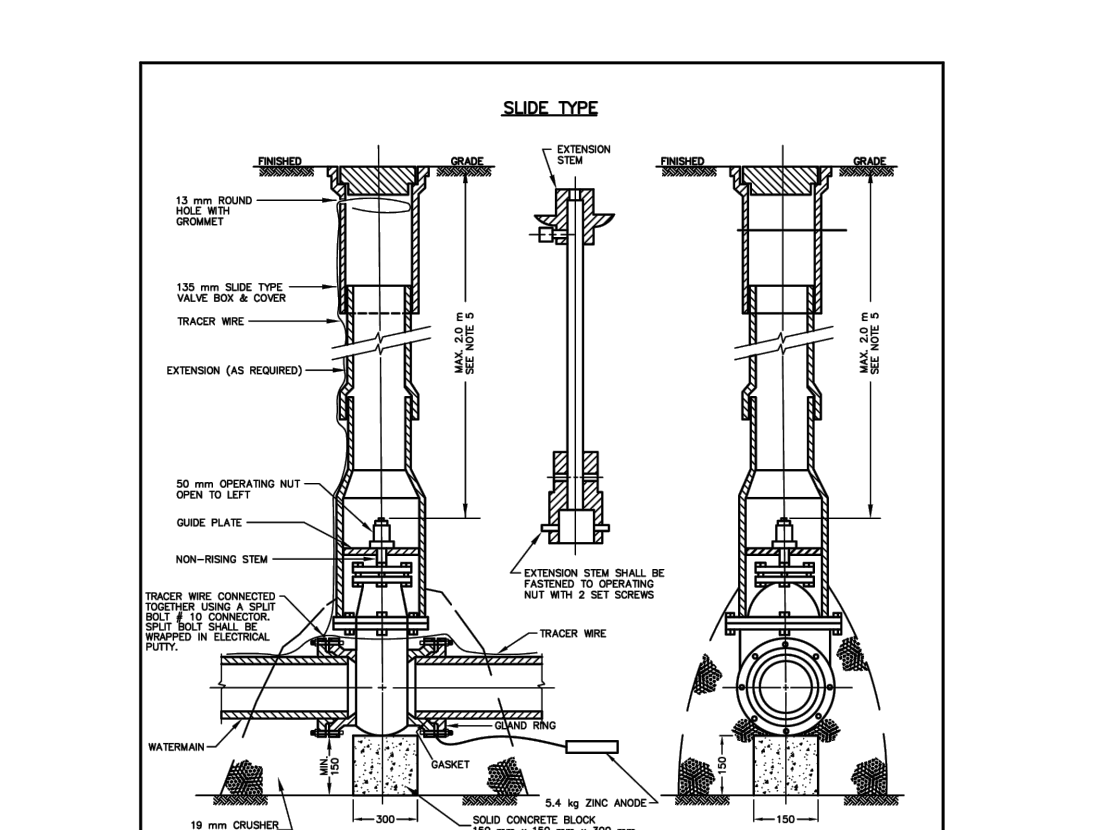
PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2014 [Rev 1]
 OPSD 701.010



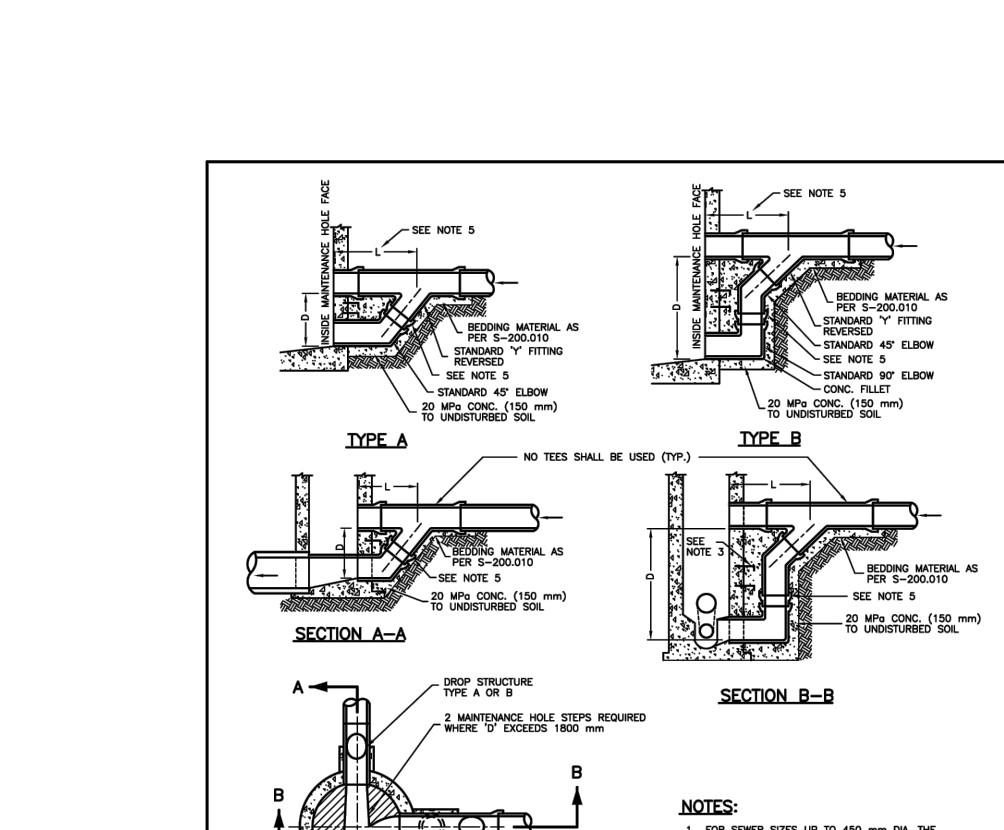
CONCRETE HEADWALL FOR PIPE LESS THAN 900mm DIAMETER
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2017 [Rev 1]
 OPSD 804.030



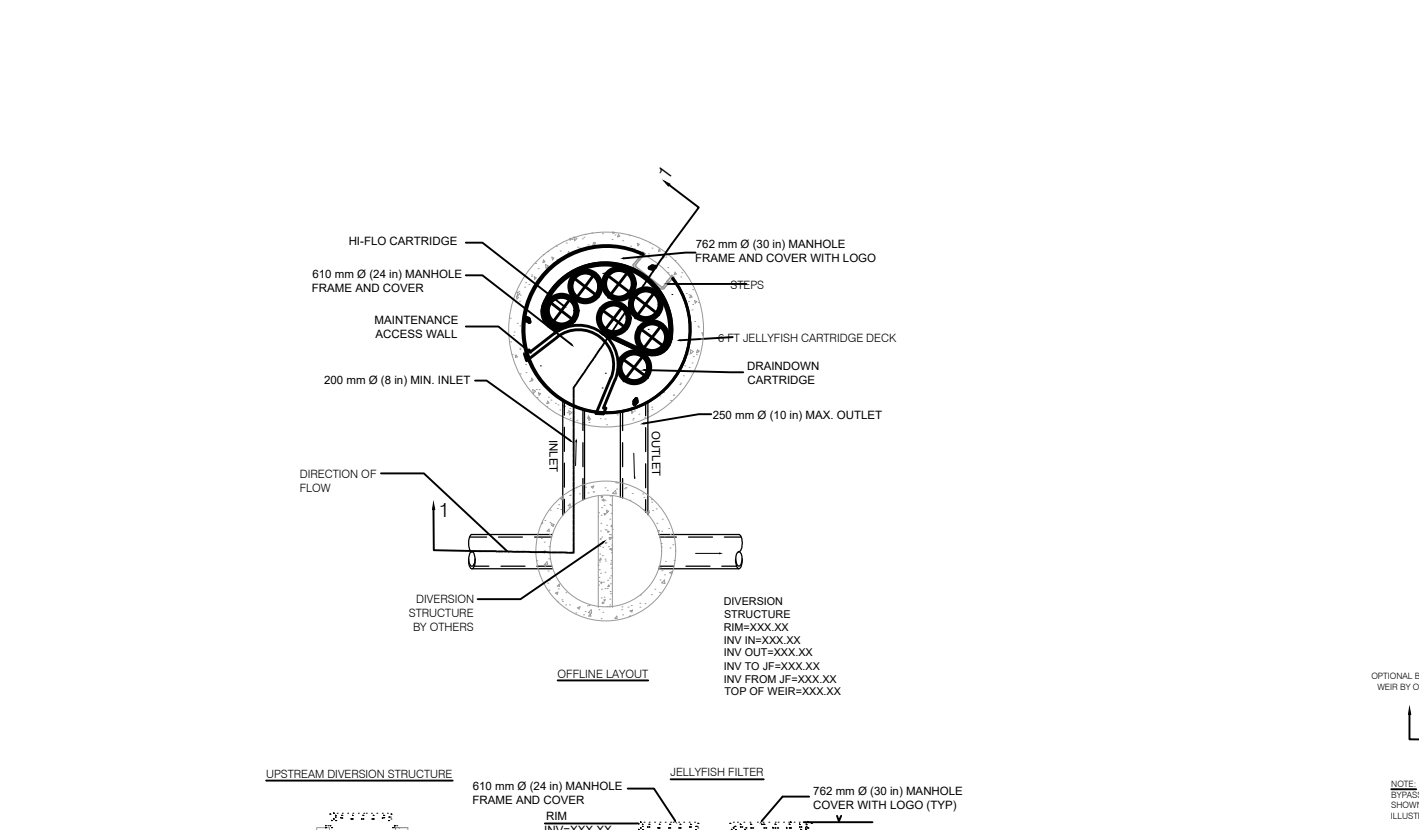
PRECAST CONCRETE CATCH BASIN 600x600mm
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2019 [Rev 1]
 OPSD 705.010



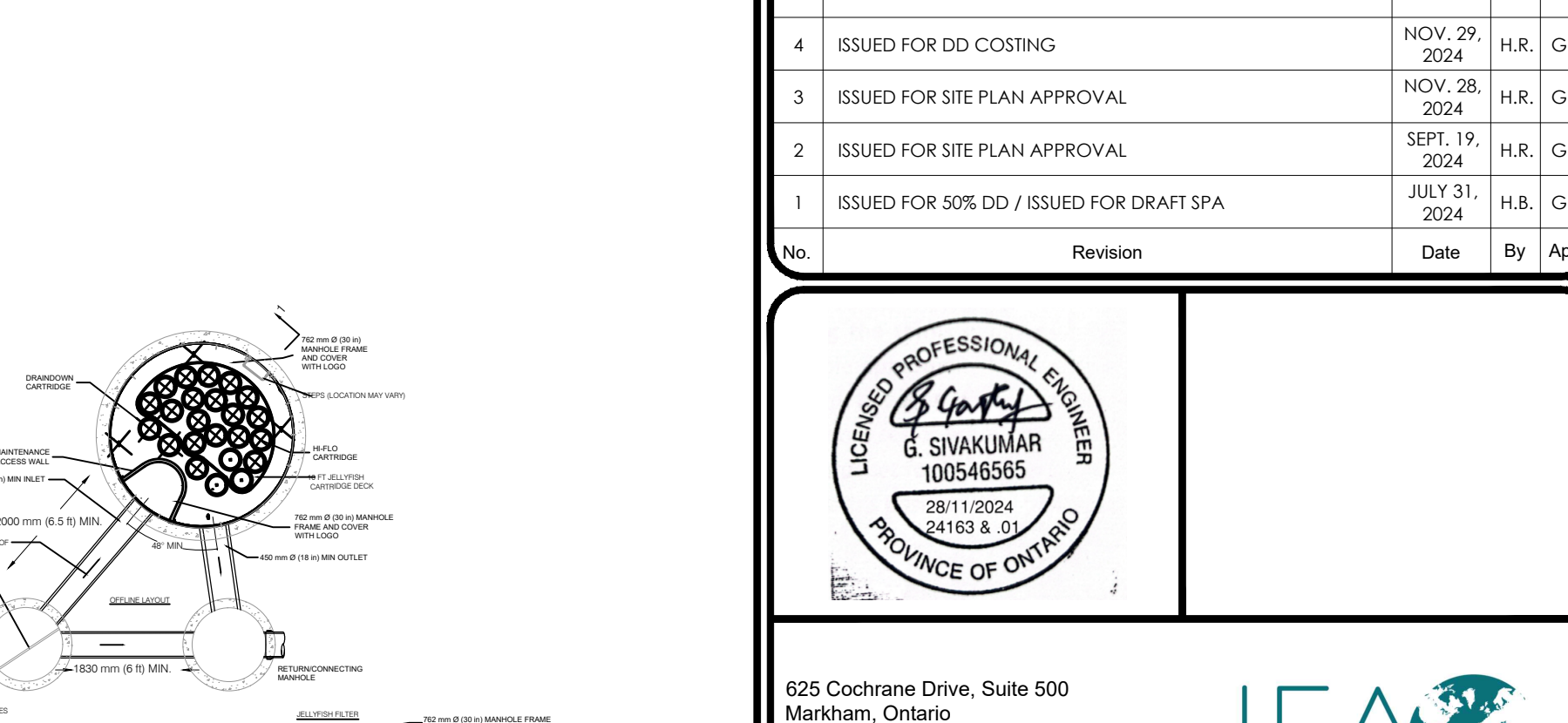
100 mm to 400 mm GATE VALVE, VALVE BOX AND TRACER WIRE ARRANGEMENT FOR PVC OR CPP WATERMAIN
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2019 [Rev 1]
 OPSD S-220.010



DROP STRUCTURES FOR MAINTENANCE HOLES
 ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2019 [Rev 1]
 OPSD S-100.080



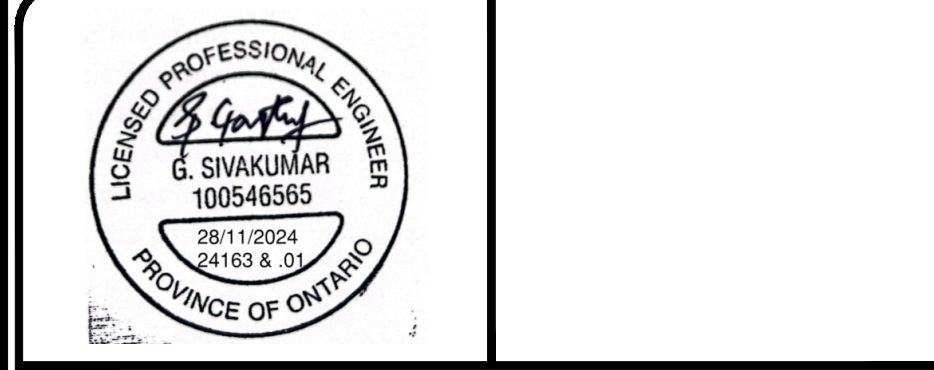
JELLYFISH JF6 SCALE: N.T.S. (REFER TO SITE SERVICING PLAN FOR ALL INVERT INFORMATION)



JELLYFISH JF10 SCALE: N.T.S. (REFER TO SITE SERVICING PLAN FOR ALL INVERT INFORMATION)

BEARING
 BEARINGS ARE UTM GRID, DERIVED BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010) FOR BEARING COMPASSIONS. A NOTATION OF 'TRIP' COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON PLAN P1, P2, AND P3.
 DISTANCES ARE GRID AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99973.
 ALL BUILDING TIES ARE TAKEN TO CONCRETE FOUNDATION.
ELEVATION
 ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE ONTARIO MINISTRY OF NATURAL RESOURCES AND FORESTRY BENCHMARK NO. 0001978024 HAVING A PUBLISHED ELEVATION OF 261.000 METRES.
SURVEYING INFORMATION
 SURVEYING INFORMATION IS REFERENCED FROM J. D. BARNES LIMITED - REFERENCE NO. 22-21-617-00, DATED JANUARY 03, 2023.

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4	ISSUED FOR DD COSTING	NOV. 29, 2024	H.R.	G.S.
3	ISSUED FOR SITE PLAN APPROVAL	NOV. 28, 2024	H.R.	G.S.
2	ISSUED FOR SITE PLAN APPROVAL	SEPT. 19, 2024	H.R.	G.S.
1	ISSUED FOR 50% DD / ISSUED FOR DRAFT SPA	JULY 31, 2024	H.B.	G.S.



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Owner/Client:
diamond schmitt
 Uxbridge Hospital
 Oak Valley Health

Location:
**OAK VALLEY HEALTH UXBRIDGE HOSPITAL
 UXBRIDGE, ON**

Title:
STANDARD DRAWINGS AND DETAILS

Designed By: J.P. Drawn By: J.P. Checked By: F.F.
 Scale: N.T.S. Date: JAN. 17, 2024 Drawing No.: C-05
 Project No.: 24163

GENERAL NOTES

- UNLESS INDICATED OTHERWISE, ALL WORKS WITHIN THE TOWNSHIP RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH REGION MUNICIPALITY OF DURHAM AND THE TOWNSHIP OF UXBRIDGE DESIGN STANDARDS AND SPECIFICATIONS, ONTARIO PROVINCIAL STANDARDS.
- WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS."
- PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY, THE CONTRACTOR WILL OBTAIN ALL NECESSARY ROAD PERMITS FROM THE TRANSIT INFRASTRUCTURE PROJECTS SECTION OF TRANSPORTATION SERVICES.
- PREPARE AND SUBMIT THE DESIGN AND CONSTRUCTION DRAWINGS OF THE PROJECT LIMITS TO THE SERVICE / UTILITY COMPANIES FOR MARK UP OF THEIR EXISTING / PROPOSED PLANT AND SIGN-OFF DOCUMENTS.
- PRIOR TO ANY EXCAVATION, ALL UTILITY OWNERS MUST BE CONTACTED TO OBTAIN SANCTIONED LOCATES, AS STIPULATED BY THE OCCUPATIONAL HEALTH AND SAFETY ACT.
- CONTRACTOR SHALL CONTACT ENBRIDGE GAS AND OTHER UTILITY COMPANIES TO ADVISE WELL IN ADVANCE OF THEIR REQUIREMENT ON SITE WHERE THE EXCAVATION TAKE PLACE IN THE VICINITY OF ANY UTILITIES DURING CONSTRUCTION PERIOD.
- CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE EXCAVATING AND BACKFILLING IN THE VICINITY OF THE UNDERGROUND UTILITIES, WHICH ARE NOT TO BE DISTURBED AND HAND DIGGING MAY BE REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES PRIOR TO AND DURING CONSTRUCTION IN THE AREA OF HIS WORK, WHETHER SHOWN ON THE PLANS OR NOT.
- COORDINATED ACCESS SHALL BE PROVIDED TO ALL SERVICE / UTILITY COMPANIES MAINTENANCE VEHICLES DURING CONSTRUCTION OPERATIONS AS DEFINED IN THE CONSTRUCTION MANAGEMENT PLAN.
- INFORMATION REGARDING ANY EXISTING SERVICES AND UTILITIES SHOWN ON THIS SET OF PLANS IS FURNISHED AS THE BEST AVAILABLE INFORMATION. ALL EXISTING MUNICIPAL SERVICES (IE. WATERMAINS) THAT CROSS PROPOSED SERVICES ARE TO BE DAYLIGHTED AND DEPTHS CONFIRMED, PRIOR TO CONSTRUCTION OF PROPOSED SERVICES, ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- SUPPORTING OF EXISTING UTILITIES AND SERVICES SHALL BE IN ACCORDANCE WITH TOWNSHIP OF UXBRIDGE STANDARD AND/OR PROVIDE THE DESIGN OF THE UTILITY SUPPORT SYSTEM (IF APPLICABLE). THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL SHOP DRAWINGS FOR REVIEW AND APPROVAL.
- CONTRACTOR SHALL COORDINATE WITH SERVICE / UTILITY COMPANIES THAT ARE IMPACTED BY THE CONTRACTOR'S OPERATIONS.
- ALL TRENCHES WITHIN EXISTING RIGHT-OF-WAYS SHALL BE BACKFILLED PER THE GEOTECHNICAL REPORT. TEMPORARY REPAIRS TO UTILITY CUTS SHALL BE IN ACCORDANCE WITH MUNICIPAL CONSENT REQUIREMENTS.
- WHERE THE STABILITY, SAFETY OR FUNCTION OF THE EXISTING ROADWAY OR UNDERGROUND FACILITIES MAY BE IMPAIRED DUE TO THE CONTRACTOR'S METHOD OF OPERATIONS, THE CONTRACTOR SHALL PROVIDE SUCH PROTECTION AS MAY BE REQUIRED.
- ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS AS DEFINED BY CONTRACT PLANS WILL BE RESTORED PER TOWNSHIP OF UXBRIDGE REQUIREMENTS.
- SERVICE CONNECTIONS AND UTILITY CUTS SHALL BE BACKFILLED WITH PER S-200.010 AND PER THE GEOTECHNICAL REPORT.
- TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO TRAFFIC MANUAL BOOK 7: TEMPORARY CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AND MAINTAIN ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO COMPLY WITH CURRENT DURHAM REGION AND CITY OF OSHAWA BY-LAWS, CLOCA STANDARDS AND APPLICABLE LAW, AND IN ACCORDANCE WITH SECTION 6.7.2 - EROSION AND SEDIMENT CONTROL OF SCHEDULE 17 - ENVIRONMENTAL OBLIGATIONS.
- IF REQUIRED, DEWATERING SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH ONTARIO WATER TAKING REGULATION (O. REG. 387/04). IF REQUIRED, PERMIT TO TAKE WATER (PTTW) SHALL BE OBTAINED BY THE CONTRACTOR FROM MINISTRY OF THE ENVIRONMENT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PERMIT TO DISCHARGE TO THE CITY STORM OR SANITARY SEWER DIRECTLY FROM THE REGION OF DURHAM OR THE TOWNSHIP OF UXBRODGE. THE CONTRACTOR IS NOT PERMITTED UNDER THE CITY'S SEWERS BY-LAW TO DISCHARGE WATER TO THE CITY'S SEWERS WITHOUT A PERMIT ISSUED BY THE DURHAM REGION OR THE TOWN OF UXBRIDGE AS APPLICABLE.
- NO PROJECT RELATED CONSTRUCTION ACTIVITIES ON PRIVATE PROPERTY ARE TO BE UNDERTAKEN UNTIL AN AGREEMENT HAS BEEN ESTABLISHED WITH THE PROPERTY OWNER.
- THE CONCRETE CURB AND CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK (IF APPLICABLE), AND ALL RESTORATION OF ROADWAYS TO THE SITE SHALL BE CONSTRUCTED AND CARRIED OUT IN ACCORDANCE WITH ALL APPLICABLE AND CURRENT DURHAM REGION STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING DEBRIS ON THE CONSTRUCTION SITE AND ALSO REMOVE ALL HOARDING UPON COMPLETION OF THE WORK.
- THE ROADWAY PAVEMENT STRUCTURE WILL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH REGION OF DURHAM AND TOWNSHIP OF UXBRIDGE REQUIREMENTS.
- ALL EXISTING MAINTENANCE HOLE TOPS, VALVE CHAMBERS, CATCH BASINS, GAS VALVE BOXES, WATER VALVE BOXES ETC. TO BE ADJUSTED TO FINISHED GRADE.
- THE LOCATION OF ALL UNDER/ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN AND, WHERE SHOWN ON THE DRAWING(S), THE ACCURACY OF THE LOCATION OF SUCH UTILITIES ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DIMENSION OF ALL SUCH UTILITIES AND STRUCTURES BY CONSULTING THE APPROPRIATE AUTHORITIES OR UTILITY COMPANIES CONCERNED. THE CONTRACTORS SHALL PROVE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OR RESTORATION TO SAME.

- ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE SITE PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER BEFORE PROCEEDING.
- ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND CONSTRUCTION DRAWINGS MUST BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION AND APPROPRIATE ACTION TAKEN TO THE SATISFACTION OF THE CONTRACT ADMINISTRATION.
- ALL SURVEY STAKE LAYOUT POINTS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE LAYOUT SHALL BE IMMEDIATELY REPORTED THE ENGINEER.
- ALL DIMENSION ARE EXPRESSED IN METERS AND PIPE SIZES ARE EXPRESSED IN MILLIMETERS UNLESS OTHERWISE NOTED.
- ALL MATERIAL FOR SEWER, FORCEMAIN, WATERMAIN, HYDRANTS AND APPURTENANCES SHALL BE ACCORDING TO REGION OF DURHAM AND TOWNSHIP OF UXBRIDGE STANDARDS.
- AT ALL LOCATIONS WHERE THE PROPOSED WATERMAIN CROSSES UNDER OR ABOVE THE EXISTING SEWERS, OR UTILITIES, GRANULAR A BEDDING MATERIAL IS TO EXTEND FROM THE LOWER PIPE TO THE TOP OF THE UPPER PIPE. GRANULAR A TO BE COMPACTED TO MINIMUM 98% OF MAXIMUM DRY DENSITY.
- CONTRACTOR TO PROVIDE ADEQUATE SUPPORT DURING CONSTRUCTION BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS. MAINTAIN 300mm MINIMUM VERTICAL CLEARANCES BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS LESS THAN 300mm IN DIAMETER. MAINTAIN 600mm MINIMUM VERTICAL CLEARANCES BETWEEN THE NEW WATERMAIN AND EXISTING GAS MAINS EQUAL TO OR GREATER THAN 300mm IN DIAMETER.
- ALL EXISTING UTILITIES SHOWN ON DRAWINGS ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACTUAL LOCATION AND DEPTH OF ANY UTILITY AND SHALL BE LIABLE FOR ALL OR ANY DAMAGE
- ADJUST ALL STRUCTURES (MAINTENANCE HOLES, CATCH BASINS, ETC.) TO SUIT NEW DESIGN ELEVATIONS INCLUDING BREAKING DOWN AND REMOVAL OF PORTION OF TOP OF STRUCTURES TO ALLOW FOR MINIMUM 150mm ADJUSTMENT.
- ALL CURB SHALL BE CONSTRUCTED WITH A LEDGE AT THE BACK OF THE CURB TO FACILITATE FUTURE SIDEWALK CONSTRUCTION.
- FULL DEPTH SAW-CUTS ARE REQUIRED AT CONSTRUCTION LIMITS OF EXISTING CURB, SIDEWALK AND PAVEMENT UNLESS OTHERWISE SHOWN.
- SAW CUT EXISTING PAVEMENT, SIDEWALK, CURB, GUTTER, DRIVEWAYS, WALKWAYS, ETC. AT CONSTRUCTION LIMITS TO PROVIDE A CLEAN JOINT FOR THE PROPOSED WORK.
- PROVIDE SITE GRADING AND SITE SERVICING "AS-BUILT" AND "RECORD DRAWINGS" AND "SEWERS CCTV SURVEY" FOR THE PROJECT CLOSEOUT SUBMISSIONS, AT NO EXTRA COST TO THE OWNER. CCTV INSPECTION OF THE INSTALLED PIPES SHALL BE PER OPSS-409.

WATERMAINS

- P.V.C. WATERMAIN TO CONFORM TO LATEST A.W.W.A. SPECIFICATIONS.
- WATERMAIN TO HAVE A MINIMUM 1.70m COVER OR 1.9m BELOW CENTRELINE OF ROAD, WHICHEVER IS DEEPER.
- WATER SERVICES ARE TO HAVE MINIMUM 1.70m COVER.
- WATER SERVICES TO HAVE 1.2m MINIMUM HORIZONTAL CLEARANCE FROM MAINTENANCE HOLES AND CATCHBASINS, AND 1.00m MINIMUM HORIZONTAL CLEARANCE FROM ALL OTHER UTILITIES.
- FIRE HYDRANTS TO CONFORM TO A.W.W.A C502 AND TO BE INSTALLED AS PER S-210.010. HYDRANTS SHALL BE PAINTED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.
- WATERMAIN BEDDING SHALL BE AS PER S-200.010, CLASS P AND BEDDING MATERIAL TO BE PER S-200.010 UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- ALL PVC WATERMAINS SHALL BE INSTALLED WITH A WHITE PLASTIC COATED 12 GAUGE SOLID COPPER TRACER WIRE WHICH SHALL BE BROUGHT TO THE SURFACE AT ALL SECONDARY VALVES AND MAIN LINE VALVES.
- VALVE IN BOXES SHALL BE INSTALLED AS PER S-220.010 AND CONFORM TO A.W.W.A. C500. MAINLINE VALVES TO BE MECHANICALLY RESTRAINED.
- CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS. WEIGHT OF THE ANODES TO BE MINIMUM 5.4 kg (12 lbs.), UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL CONSULTANT.
- ALL PLUGS, CAPS, TEES AND BENDS SHALL BE MECHANICALLY RESTRAINED. RESTRAINING JOINTS SHALL BE AS PER UNI-FLANGE SERIES 1300, OR APPROVED EQUAL.
- THE NEW WATERMAIN TO BE TAPPED FOR WATER SERVICES MUST BE ISOLATED FROM THE EXISTING WATERMAIN. TO MAINTAIN PRESSURE IN THE NEW MAIN DURING INSTALLATION OF SERVICES. A 50mm BY-PASS WITH AN APPROVED DIFFERENTIAL BACKFLOW PREVENTER IS TO BE INSTALLED AROUND THE CLOSED OPERATING VALVE.
- UNLESS OTHERWISE NOTED, THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE WATERMAIN AND ANY SEWER SHALL BE 2.5m. A MINIMUM VERTICAL SEPARATION OF 0.3m MUST BE MAINTAINED IF WATERMAIN IS ABOVE SEWER, OR 0.5m IF SEWER IS ABOVE WATERMAIN. CLEARANCES ARE MEASURED FROM OUTSIDE EDGES OF PIPES.
- MINIMUM CURVATURE OF ANY WATERMAIN SHALL BE COMPLETED BY PIPE DEFLECTION IN ACCORDANCE WITH THE MANUFACTURER'S RADIUS GUIDELINES.
- VALVES SHALL BE RESILIENT SEAT GATE VALVES FOR 300mm DIAMETER OR LESS.

STORM SEWERS

- A TEST FITTING SHALL BE INSTALLED AT THE PROPERTY LINE.
- ALL SERVICE CONNECTIONS TO BE MARKED WITH A 50mm x 100mm WOOD STAKE, PROJECTING 1.0m ABOVE THE GROUND, WITH THE TOP 300mm PAINTED ORANGE.
- SEWER BEDDING SHALL BE AS PER S-200.010, CLASS P AND BEDDING MATERIAL TO BE PER S-200.010 UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

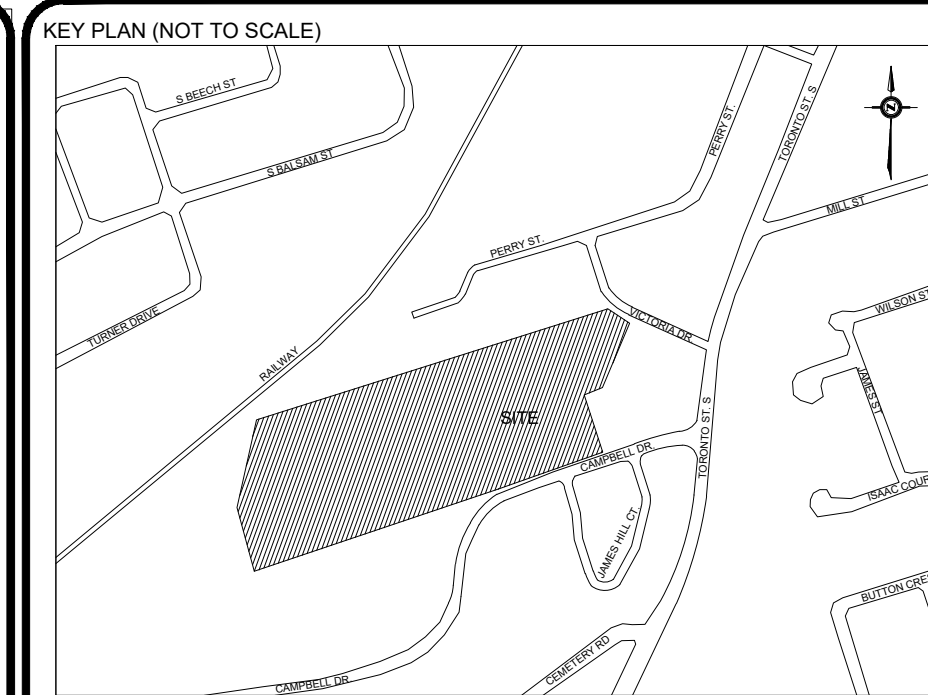
- MAINTENANCE HOLES SHALL BE ACCORDING TO O.P.S.D. 701.010 (1200mm), O.P.S.D. 701.011 (1500mm), O.P.S.D. 701.012 (1800mm), OR O.P.S.D. 701.013 (2400mm). FRAME AND COVER FOR MAINTENANCE HOLE LOCATED WITHIN PAVEMENT SHALL BE AS PER S-100.071. FRAME AND COVER FOR MAINTENANCE HOLE NOT LOCATED WITHIN PAVEMENT SHALL BE ACCORDING TO O.P.S.D. 401.010 (TYPE B - OPEN).
- FRAME AND COVER FOR CATCHBASIN MANHOLE SHALL BE ACCORDING TO O.P.S.D. 400.020.
- SINGLE CATCHBASINS TO BE PRECAST CONCRETE WITH CAST IRON FRAME AND GRATE CONFORMING TO O.P.S.D. 705.010 AND DOUBLE CATCHBASINS TO BE PRECAST CONCRETE WITH CAST IRON FRAME AND GRATE CONFORMING TO O.P.S.D. 705.020. FRAME AND COVER SHALL BE ACCORDING TO O.P.S.D. 400.020.
- DITCH INLET CATCHBASIN SHALL BE ACCORDING TO O.P.S.D. 705.030 (600mm x 600mm), OR 705.040 (600mm x 1200mm). FRAME AND COVER FOR CATCHBASIN MANHOLE SHALL BE ACCORDING TO O.P.S.D. 403.010.
- CONTRACTOR SHALL ENSURE THAT THE LOW POINT OF CURBS COINCIDE WITH THE LOCATION OF CATCHBASINS INSTALLED AT ROADWAY SAG AREAS.
- CATCHBASIN CONNECTIONS TO THE CURB SUBDRAIN SYSTEM TO BE IN ACCORDANCE WITH O.P.S.D. 216.021.
- SINGLE CATCHBASIN LEADS TO BE 250mm LAID AT A MINIMUM SLOPE OF 1% UNLESS OTHERWISE NOTED. DOUBLE CATCHBASIN LEADS TO BE 300mm LAID AT A MINIMUM SLOPE OF 1% UNLESS OTHERWISE NOTED. ALL CATCHBASIN LEADS TO BE EITHER CONCRETE OR P.V.C. SDR-35 UNLESS OTHERWISE NOTED.
- ROAD CATCHBASIN LEAD INVERTS TO BE 1.5m BELOW GRATE ELEVATION, UNLESS OTHERWISE REQUIRED FOR POSITIVE DRAINAGE TO MAIN LINE SEWER.
- MAINTENANCE HOLE BENCHING AND PIPE OPENING DETAILS TO BE AS PER O.P.S.D. 701.021.
- NO CATCH BASIN SHALL BE LOCATED IN THE PROPOSED AREAS OF DRIVEWAYS.
- ALL SEWERS SHALL BE INSTALLED WITH LASER AND CHECKED PRIOR TO BACKFILLING.
- FROST STRAPS TO BE INSTALLED AS PER O.P.S.D # 701.100.
- WHERE DEPTH OF COVER IS LESS THAN 1.2m, STORM SEWERS SHALL BE INSULATED PER O.P.S.D. 1109.030.
- ALL STORM SEWER PIPES SMALLER THAN 375 SHALL BE PVC AND HAVE SMOOTH INTERIOR AND EXTERIOR WALL AND CONFORM TO OPSS 1841 MATERIAL SPECIFICATION.

SANITARY SEWERS

- A TEST FITTING SHALL BE INSTALLED AT THE PROPERTY LINE.
- MAINTENANCE HOLES SHALL BE ACCORDING TO O.P.S.D. 701.010 (1200mm), O.P.S.D. 701.011 (1500mm), O.P.S.D. 701.012 (1800mm) OR O.P.S.D. 701.013 (2400mm). FRAME AND COVER FOR MAINTENANCE HOLE LOCATED WITHIN PAVEMENT SHALL BE AS PER S-100.071. FRAME AND COVER FOR MAINTENANCE HOLE NOT LOCATED WITHIN PAVEMENT SHALL BE ACCORDING TO O.P.S.D. 401.010 (TYPE A - CLOSED).
- SEWER BEDDING SHALL BE AS PER S-200.010, CLASS P AND BEDDING MATERIAL TO BE PER S-200.010 UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- ALL SERVICE CONNECTIONS TO BE MARKED WITH A 50mm x 100mm WOOD STAKE, PROJECTING 1.0m ABOVE THE GROUND, WITH THE TOP 300mm PAINTED GREEN.
- CONNECTIONS TO EXISTING SANITARY SEWER TO BE MADE USING PIPE CUTTER AND APPROVED SADDLES.
- ALL SEWERS SHALL BE INSTALLED WITH LASER AND CHECKED PRIOR TO BACKFILLING.
- MAINTENANCE HOLE PIPE OPENING AND BENCHING DETAILS TO BE AS PER O.P.S.D. 701.021.
- SANITARY SERVICES TO HAVE A MIN. 2.7m COVER AT THE STREET LINE, UNLESS OTHERWISE NOTED.
- FROST STRAPS TO BE INSTALLED AS PER O.P.S.D # 701.100
- ALL SANITARY SEWER PIPES SMALLER THAN 375 SHALL BE PVC AND HAVE SMOOTH INTERIOR AND EXTERIOR WALL AND CONFORM TO OPSS 1841 MATERIAL SPECIFICATION.

ROADS, SIDEWALKS AND WALKWAYS

- CATCHBASIN, MAINTENANCE HOLE AND VALVE CHAMBER COVERS SHALL BE SET FLUSH TO BASE COURSE ASPHALT LEVEL AND ADJUSTED TO GRADE PRIOR TO INSTALLING TOP COURSE OF ASPHALT.
- SINGLE STAGE CURB AND WIDE GUTTER IF REQUIRED SHALL BE AS PER O.P.S.D. 600.010.
- CONCRETE FOR CURBS TO CONFORM TO O.P.S.S. 353.
- TEMPORARY ASPHALT CURB SHALL BE AS PER O.P.S.D. 601.010.
- SIDEWALKS SHALL BE AS PER O.P.S.D. 310.010 WITH CONCRETE TO CONFORM TO O.P.S.S. 351.
- THE PAVEMENT STRUCTURE DESIGN WILL BE SPECIFIED AS PER THE GEOTECHNICAL REPORT.



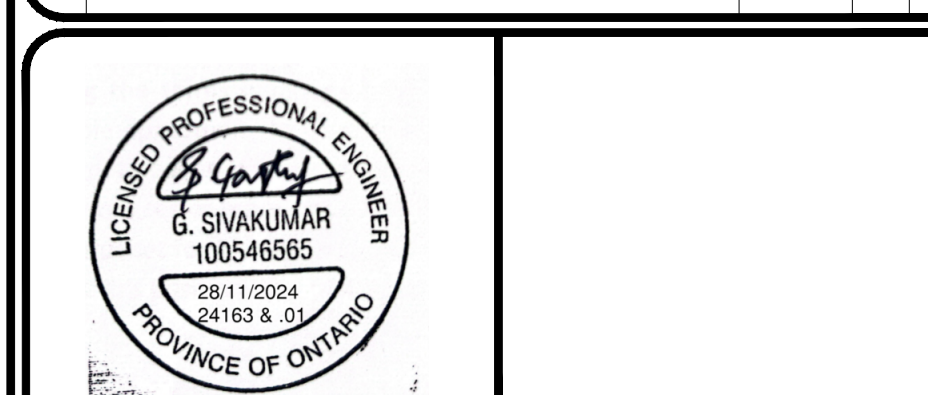
LEGEND:

BEARING
BEARINGS ARE UTM GRID, DERIVED BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010) FOR BEARING COMPARISONS. A NOTATION OF "WSP" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON PLAN P1, P2, AND P4.
DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999707.
ALL BUILDING TEES ARE TAKEN TO CONCRETE FOUNDATION.

ELEVATION
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE ONTARIO MINISTRY OF NATURAL RESOURCES AND FORESTRY BENCHMARK No. 0081972804 HAVING A PUBLISHED ELEVATION OF 261.000 METRES.

SURVEYING INFORMATION
SURVEYING INFORMATION IS REFERENCED FROM J. D. BARNES LIMITED - REFERENCE NO. 22-21-9-877-00, DATED JANUARY 03, 2023.

No.	Revision	Date	By	App.
4	ISSUED FOR DD COSTING	NOV. 29, 2024	H.R.	G.S.
3	ISSUED FOR SITE PLAN APPROVAL	NOV. 28, 2024	H.R.	G.S.
2	ISSUED FOR SITE PLAN APPROVAL	SEPT. 19, 2024	H.R.	G.S.
1	ISSUED FOR 50% DD / ISSUED FOR DRAFT SPA	JULY 31, 2024	H.B.	G.S.



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Owner/Client:

diamond schmitt

Location:
OAK VALLEY HEALTH UXBRIDGE HOSPITAL
UXBRIDGE, ON

Title:
GENERAL NOTES

Designed By: J.P. Drawn By: J.P. Checked By: F.F.
Scale: N.T.S. Date: JAN. 17, 2024 Drawing No.: C-06
Project No.: 24163

