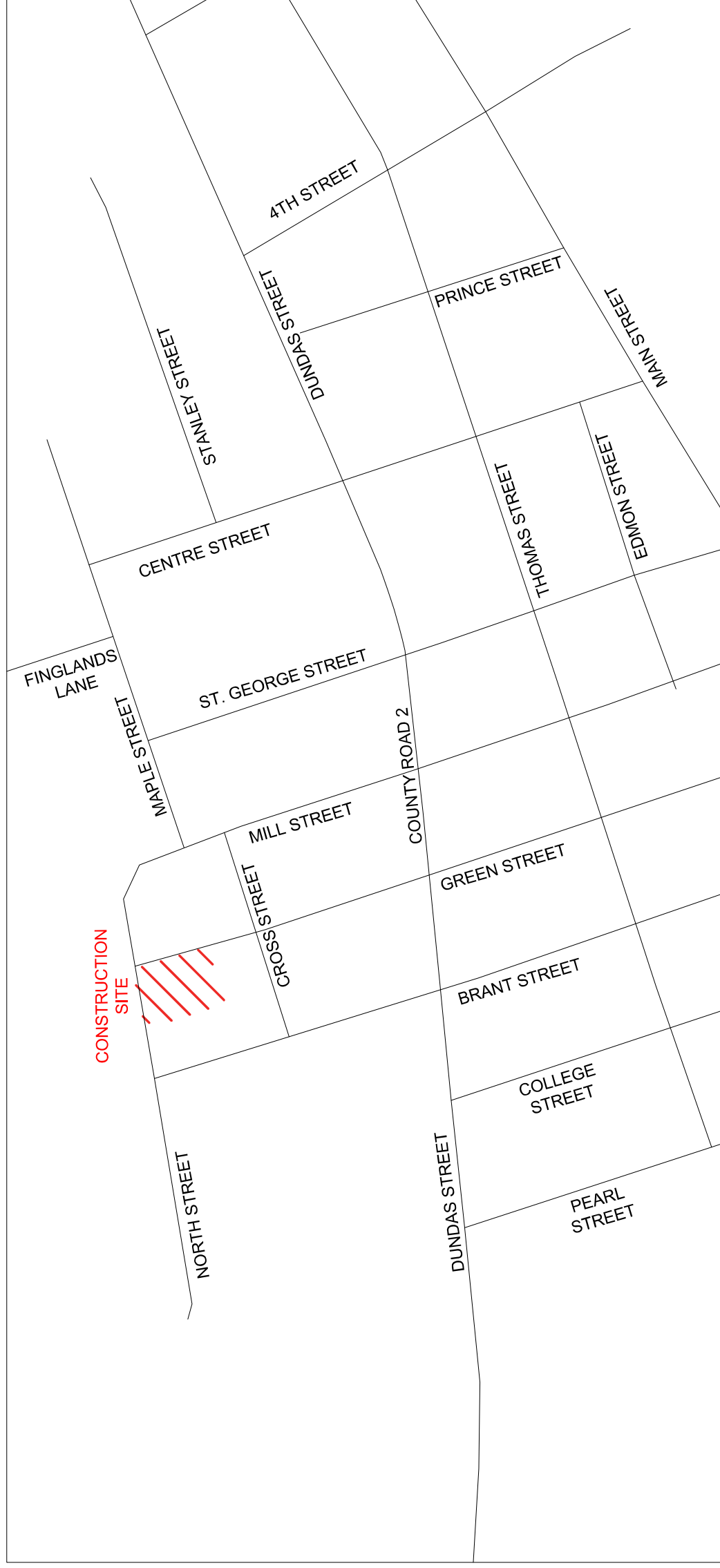


ORKNEY RESIDENTIAL GREEN STREET : LOT 41, 44, 49 TOWN OF DESERONTO COUNTY OF HASTINGS



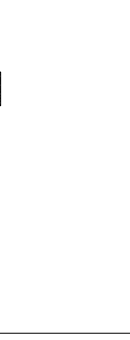
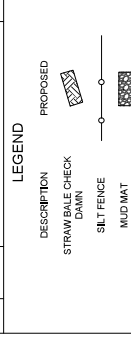
TITLE	DRAWING
COVER SHEET	CS
EXISTING CONDITIONS & REMOVALS	EX
SEDIMENT & EROSION CONTROL PLAN	SE
GRADING PLAN	GP
GENERAL SERVICING PLAN	GS
GENERAL NOTES	GN

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE THE PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE DURING CONSTRUCTION ACTIVITIES.
2. THE SITE GRADING CONTRACTOR IS RESPONSIBLE FOR ENSURING SEDIMENT AND EROSION CONTROL STRUCTURES ARE INSTALLED AS SHOWN. CARE SHALL BE TAKEN AT THE REMOVAL STAGE TO ENSURE THAT ANY SILT THAT HAS ACCUMULATED IS PROPERLY HANDLED AND DISPOSED OF.
3. THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CONSERVATION AUTHORITY, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (EXCAVATING, FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION OR CONSTRUCTION WORKS COMMENCE. ALL APPROVED EROSION AND SEDIMENT CONTROL MEASURES TO BE MONITORED REGULARLY AND MAINTAINED AS NECESSARY TO ENSURE GOOD WORKING ORDER AND REMAIN IN PLACE UNTIL LANDSCAPING HAS BEEN ESTABLISHED. IN THE EVENT THAT THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE DEEMED NOT TO BE PERFORMING ADEQUATELY, THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES AS APPROPRIATE TO THE SITUATION TO THE SATISFACTION OF THE OCA, PROJECT MANAGER AND/OR MUNICIPAL STAFF.
4. THE OWNER IS ULTIMATELY RESPONSIBLE (CONTRACTOR RESPONSIBLE AS WELL) FOR FAILURE TO COMPLY WITH ANY AND/OR ALL OF THESE CONDITIONS AND MUST TAKE ALL PRECAUTIONS TO ENSURE NO SEDIMENT RUNOFF FROM THE WORK SITE INTO THE SURFACE WATERS DURING AND AFTER THE CONSTRUCTION PERIOD. FAILURE TO COMPLY WITH THE APPROVAL AND/OR CONDITIONS MAY RESULT IN APPROVAL BEING REVOKED AND IN THE INSTANCES OF LEGAL ACTION TO PROTECT THE WATER COURSE TO THE CONSERVATION AUTHORITY'S SATISFACTION.
5. THE INSTALLED EROSION AND SEDIMENT CONTROL MEASURES TO BE MAINTAINED THROUGHOUT CONSTRUCTION AND TO REMAIN IN PLACE UNTIL RESTORATION TO ORIGINAL OR BETTER CONDITION OF THE DISTURBED AREA IS COMPLETED. RESTORATION SHALL PROVIDE A MINIMUM 75mm TOPSOIL AND SEED/SOD.
6. EXPOSED SLOPES TO BE PROTECTED WITH NATURAL OR SYNTHETIC MULCH/BLANKETS WHERE REQUIRED.
7. LIGHT DUTY SILT FENCE (OPSD 219.110) TO BE INSTALLED ON THE DOWNSTREAM PERIMETER OF ALL DISTURBED AREAS AND STOCKPILES. TERRAFIX SILTBOX OR APPROVED EQUIVALENT MAY BE USED INSTEAD OF OR IN CONJUNCTION WITH LIGHT DUTY SILT FENCE.
8. RIP RAP OR APPROVED EQUIVALENT MAY BE USED INSTEAD OF OR IN CONJUNCTION WITH LIGHT DUTY SILT FENCE.
9. SWALES AND UPSTREAM CHECK DAMS (OPSD 219.210 AND 219.180) TO BE PROVIDED WHERE FLOW CONCENTRATIONS ARE EXPECTED, INCLUDING IN ALL EROSION CONTROL MEASURES TO BE MAINTAINED UNTIL THE CONSTRUCTING SURFACES HAVE BEEN ADEQUATELY STABILIZED I.E. ASPHALT, SOD OR ALL EROSION CONTROL MEASURES TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
10. ALL EROSION CONTROL MEASURES TO BE MAINTAINED THROUGHOUT CONSTRUCTION AND TO REMAIN IN PLACE UNTIL RESTORATION TO ORIGINAL OR BETTER CONDITION IS TO BE COMPLETED ON A REGULAR BASIS AND SEDIMENT CONTROL MEASURES ARE TO BE CLEANED OF ANY ACCUMULATED SILT AS REQUIRED.
11. IN SOME CASES, BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A RUN-OFF OR PREDICTED RAINFALL EVENT UNLESS THE CONTRACTOR HAS BEEN ADVISED IN WRITING BY THE OCA THAT SUCH REMOVAL IS NECESSARY TO PROCEED WITH CONSTRUCTION WORKS.
12. NO TRUCKING OR CLEANING OF EQUIPMENT SHALL BE ALLOWED ON THE CONSTRUCTION SITE.
13. PROPOSED COLLECTOR SWALES AS PER THE DESIGN DRAWINGS SHALL BE CONSTRUCTED AND IMMEDIATELY TREATED WITH TOPSOIL AND SOD.
14. CONTROL/LIMIT VEHICLE ACCESS TO AND AROUND THE CONSTRUCTION SITE TO REDUCE THE AMOUNT OF DISTURBANCE OF NATURAL VEGETATION.
15. MUDMATS TO BE INSTALLED AT ALL POINTS OF ACCESS/EGRESS FROM EXISTING ROADS TO THE CONSTRUCTION SITE PRIOR TO SITE GRADING/CONSTRUCTION ACTIVITIES.
16. EXISTING ROADWAYS TO BE SWEEPED AND CLEANED FREQUENTLY TO PREVENT THE TRACKING OF MUD AND DEBRIS FROM SITE.
17. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME. CONTRACTOR IS TO MINIMIZE AREAS TO BE CLEARED/GRUBBED/STRIPPED WHERE POSSIBLE.
18. A VEGETATION BUFFER WILL BE MAINTAINED BETWEEN DISTURBED AREAS AND NEIGHBORING PROPERTIES WHERE PRACTICAL.

GENERAL NOTES:
 ALL INFORMATION TO BE VERIFIED ON SITE PRIOR TO COMMENCING ANY WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT IMMEDIATELY.
 ALL UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES.
 EXCLUDING THE BENCHMARK AND DESCRIPTION PROVIDED FOR THE PROJECT, NO BENCHMARK IS TO BE USED TO DETERMINE ELEVATION FOR ANY PURPOSE.
 ALL DIMENSIONS ARE GIVEN IN METERS OR MILLIMETERS, UNLESS OTHERWISE NOTED.
 UNLESS OTHERWISE SPECIFIED, SEE GENERAL NOTES.

NO.	DATE	DESCRIPTION	BY



DESERONTO BUILDING LOTS
 ORKNEY RESIDENTIAL
 GREEN STREET
 DESERONTO, ONTARIO

SEDIMENT & EROSION CONTROL PLAN

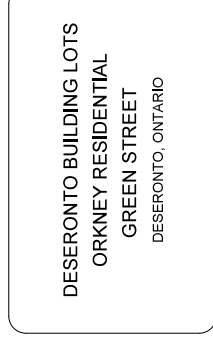
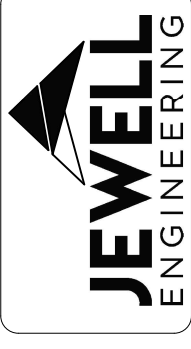
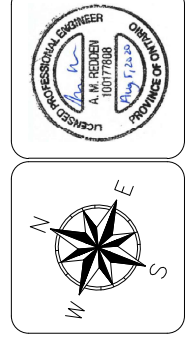
DRAWN BY: ASG
 PROJECT NO: 2004776
 DESIGNED BY: ASG
 DATE: October 2020
 CHECKED BY: AR
 SCALE: HORIZONTAL - 1:200
 VERTICAL - NA
 APPROVED BY: AR
 CONTRACT NO:
 DRAWING NO: SE



GENERAL NOTES:
 ALL INFORMATION TO BE VERIFIED ON THE JOB BY THE CONSULTANT. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT IMMEDIATELY.
 ALL UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE CONSULTANT HAS CONDUCTED VISUAL SURVEYS AND PHOTOGRAPHIC SURVEYS FOR DAMAGE TO ALL UTILITIES.
 EXCLUDING THE BENCHMARK AND DESCRIPTION PROVIDED FOR THIS PROJECT, NO RESPONSIBILITY IS ASSUMED FOR THE ACCURACY OF ANY OTHER BENCHMARK OR ELEVATION MEASUREMENT.
 ALL DIMENSIONS SHOWN ARE IN METERS UNLESS OTHERWISE NOTED.
 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO FACE.

NO.	DATE	DESCRIPTION	BY

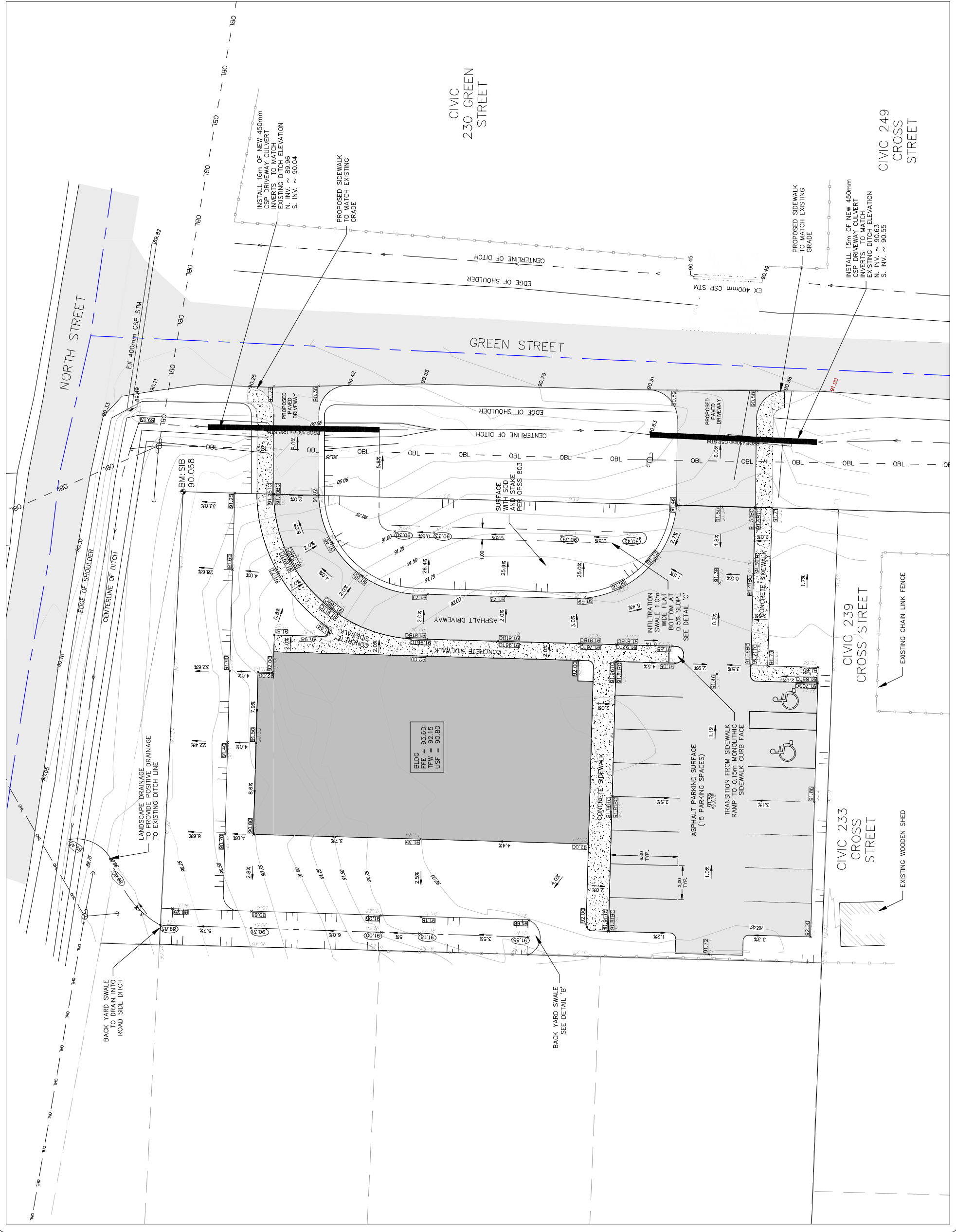
LEGEND	DESCRIPTION
●	EXISTING SPOT ELEVATION
○	PROPOSED SPOT ELEVATION
—	LOT LINES
—	CL OF ROAD
—	EDGE OF LANE
—	TOP OF SLOPE
—	PROPOSED CL OF DITCH
—	FENCE LINE
—	CULVERTS
—	VEGETATION
—	OVERHEAD HYDRO LINES
—	OVERHEAD BELL LINES
—	HYDRO POLES
●	IRON BARS
●	SHRUB
●	TREE
—	GUIDE POLE
▨	GRAVEL SURFACE
▨	ASPHALT SURFACE



DESERONTY BUILDING LOTS
 ORKNEY RESIDENTIAL
 GREEN STREET
 DESERONTO, ONTARIO

SITE GRADING PLAN

DRAWN BY: ASG
 PROJECT NO: 2004776
 DESIGNED BY: ASG
 DATE: October 2020
 CHECKED BY: AR
 SCALE: HORIZONTAL - 1:150
 VERTICAL - NA
 APPROVED BY: AR
 CONTRACT NO:
 DRAWING NO: GP



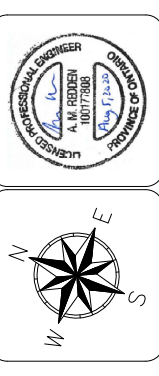
BLDG = 93.60
 FFE = 92.15
 USF = 90.80

GENERAL NOTES:
 ALL INFORMATION TO BE VERIFIED ON SITE PRIOR TO COMMENCING ANY WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT IMMEDIATELY.
 ALL UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONSULTANT HAS NOT CONDUCTED ANY FIELD SURVEY TO VERIFY THE LOCATION AND DEPTH OF UTILITIES. THE CONSULTANT ASSUMES RESPONSIBILITY FOR DAMAGE TO ALL UTILITIES.
 EXCLUDING THE BENCHMARK AND DESCRIPTION PROVIDED FOR THIS PROJECT, NO OTHER BENCHMARKS OR ELEVATIONS ARE TO BE USED FOR A REFERENCE ELEVATION FOR ANY PURPOSE. THE CONSULTANT ASSUMES RESPONSIBILITY FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES FOR CONTACTING THESE UTILITIES TO VERIFY LOCATIONS.
 ALL DIMENSIONS SHOWN ARE IN METERS OR MILLIMETERS, UNLESS OTHERWISE NOTED.
 DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.

NO.	DATE	DESCRIPTION	BY

LEGEND

EXISTING SPOT ELEVATION 76.00	PROPOSED SPOT ELEVATION 76.00
LOT LINES	CL OF ROAD
EDGE OF LANE	TOP OF SLOPE
PROPOSED CL OF CATCH	FENCE LINE
CULVERTS	VEGETATION
OVERHEAD/HYDRO LINES	OVERHEAD BELL LINES
HYDRO POLES	IRON BARS
SHRUB	TREE
GUIDE POLE	GRAVEL SURFACE
ASPHALT SURFACE	

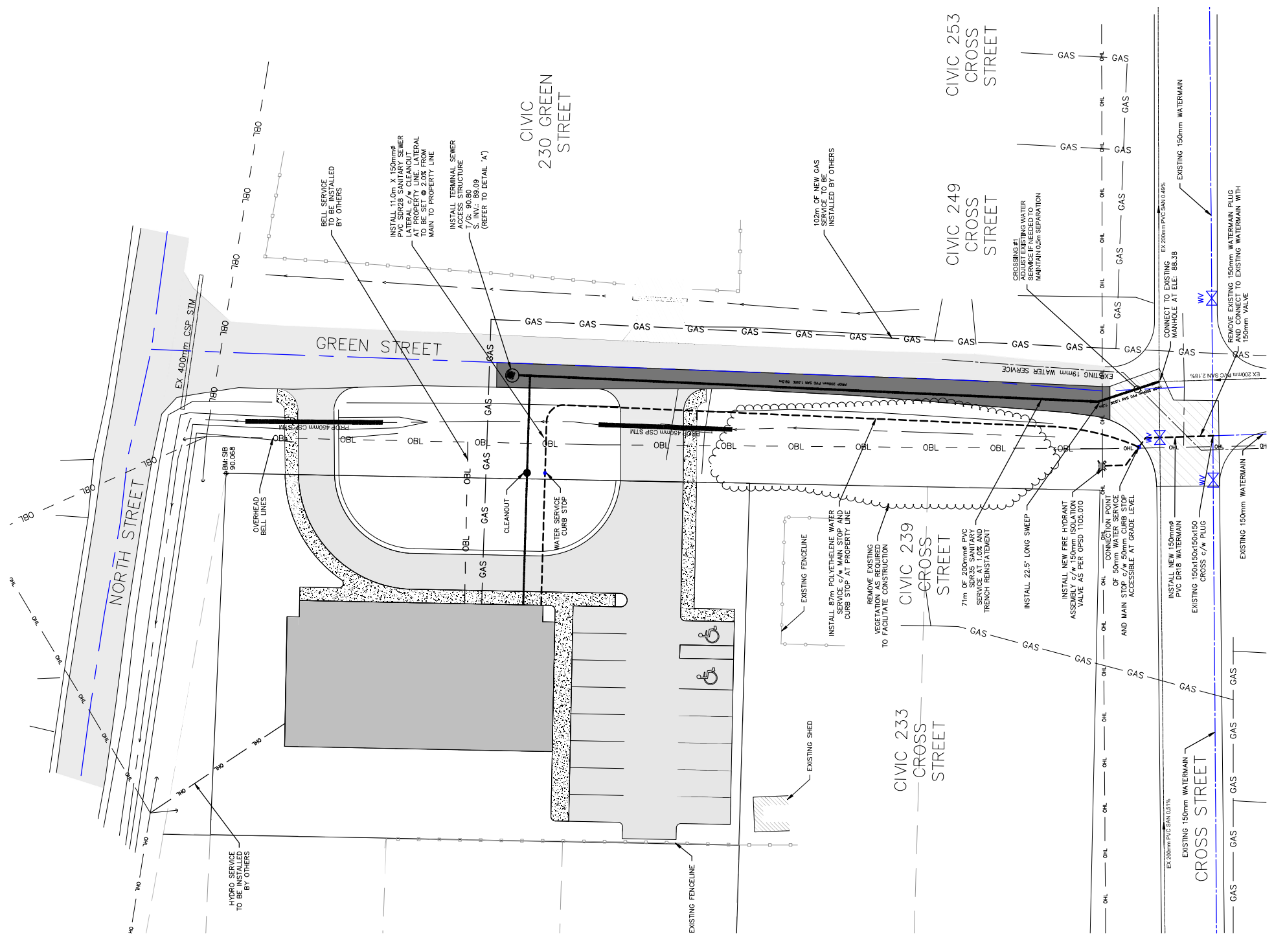


JEWELL ENGINEERING

DESERONTO BUILDING LOTS
 ORKNEY RESIDENTIAL
 GREEN STREET
 DESERONTO, ONTARIO

GENERAL SERVICES PLAN

DRAWN BY: ASG	PROJECT NO: 2004776
DESIGNED BY: ASG	DATE: October/2020
CHECKED BY: AR	SCALE: HORIZONTAL - 1:250
APPROVED BY: AR	VERTICAL - NA
	CONTRACT NO:
	DRAWING NO: GS



GENERAL NOTES:
 ALL INFORMATION TO BE VERIFIED ON SITE PRIOR TO COMMENCING ANY WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT IMMEDIATELY.
 ALL UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONSULTANT HAS NOT CONDUCTED ANY FIELD SURVEY TO VERIFY THE LOCATION AND DEPTH OF UTILITIES. THE CONSULTANT ASSUMES RESPONSIBILITY FOR DAMAGE TO ALL UTILITIES. THE ABSENCE OF BELL, HYDRO GAS, COGECO, ETC. ON THE DRAWINGS IN NO WAY IMPLIES THAT THESE UTILITIES DO NOT EXIST. THE CONSULTANT ASSUMES RESPONSIBILITY FOR CONTACTING THESE UTILITIES TO VERIFY LOCATIONS.
 EXCLUDING THE BENCHMARK AND DESCRIPTION PROVIDED FOR THIS PROJECT, NO OTHER ELEVATIONS ARE TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.
 PRIOR TO COMMENCEMENT OF ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE, THE OWNER IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES. THE CONSULTANT ASSUMES RESPONSIBILITY FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES FOR CONTACTING THESE UTILITIES TO VERIFY LOCATIONS.
 ALL WORKS COMPLETED WITHIN THE MUNICIPAL ROAD ALLOWANCE (ROW), SHALL MEET ALL TOWN OF DESERONTO ENGINEERING DESIGN STANDARDS OR APPLICABLE OFSD & OFPS PROVINCIAL STANDARDS.

- ONTARIO PROVINCIAL STANDARD SPECIFICATIONS. THE FOLLOWING ONTARIO PROVINCIAL SPECIFICATIONS (OPSS'S) WILL BE USED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CURRENT COPIES OF THESE STANDARDS.
- OPSS MUNICIPAL SPECIFICATIONS:
- 100 GENERAL CONDITIONS OF CONTRACT
 - 102 WEIGHING OF MATERIALS
 - 201 CLEARING, CLOSE CUT CLEARING, GRUBBING & REMOVAL OF SURFACE BouldERS
 - 210 CONSTRUCTION SPECIFICATION FOR EARTH BORROW
 - 212 HOT MIX, HOT LAD ASPHALTIC CONCRETE PAVING & HOT MIX PATCHING
 - 314 ASPHALT SIDEWALK, DRIVEWAY, AND BOULEVARD AND FOR SIDEWALK AND RESURFACING
 - 401 TRENCHING, BACKFILLING & COMPACTING
 - 402 EXCAVATING, BACKFILLING & COMPACTING FOR MAINTENANCE HOLE, CATCH BASINS, DITCH INLETS, & VALVE CHAMBERS
 - 403 ROCK EXCAVATION FOR PIPELINES, UTILITIES & ASSOCIATED STRUCTURES IN OPEN CUT
 - 410 CONSTRUCTION SPECIFICATION FOR CLOSED CIRCUIT TELEVISION INSPECTION OF PIPELINES
 - 421 WATER MAIN INSTALLATION IN OPEN CUT
 - 442 CORROSION PROTECTION OF WATERMANS
 - 491 PRESERVATION PROTECTION AND RECONSTRUCTION OF EXISTING FACILITIES
 - 492 SITE RESTORATION FOLLOWING INSTALLATION OF PIPELINES, UTILITIES, AND ASSOCIATED STRUCTURES
 - 501 COMPACTING
 - 506 DUST SUPPRESSANTS
 - 510 HOT MIX ASPHALT
 - 511 50% RAP ROCK PROTECTION AND GRANULAR SHEETING
 - 706 TEMPORARY TRAFFIC CONTROL DEVICES
 - 710 PAVEMENT MARKING
 - 801 PROTECTION OF TREES
 - 803 SOADING
 - 804 SEED AND COVER
 - 805 TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES
 - 1001 AGGREGATES - GENERAL
 - 1002 AGGREGATES - HOT MIX ASPHALT
 - 1004 AGGREGATES - MISCELLANEOUS
 - 1006 AGGREGATES - SURFACE TREATMENT
 - 1150 HOT MIX ASPHALT
 - 1716 WATER-BORNE TRAFFIC PAINT
 - 1801 CORRUGATED STEEL PIPE (CSP) PRODUCTS
 - 1840 NON-PRESSURE POLYETHYLENE PLACT PIPE PRODUCTS
 - 1842 PRESSURE POLYETHYLENE PIPE PRODUCT
 - 1850 FRAMES, GRATES, COVERS AND GRATINGS
 - 2501 CALCIUM CHLORIDE
- OPSS PROVINCIAL SPECIFICATIONS:
- 127 SCHEDULE OF RENTAL RATES FOR CONSTRUCTION EQUIPMENT, INCLUDING MODEL AND SPECIFICATION REFERENCE
 - 308 CONSTRUCTION SPECIFICATION FOR TACK COATING AND JOINT PAINTING
- ONTARIO PROVINCIAL STANDARD DRAWINGS. THE FOLLOWING ONTARIO STANDARD DRAWINGS (OSD'S) WILL BE USED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CURRENT COPIES OF THESE STANDARDS.
- 205.040 TRANSITION TREATMENT - EARTH FILL TO ROCK FILL AND EARTH FILL TO GRANULAR FILL
 - 205.060 FROST HEAVE TREATMENT
 - 206.010 STANDARD ROAD SECTION - RURAL
 - 219.100 LIGHT-DUTY STRAW BALE BARRIER
 - 219.110 LIGHT-DUTY SILT FENCE BARRIER
 - 219.120 LIGHT-DUTY FIBRE ROLL BARRIER
 - 219.181 FIBRE ROLL FLOW CHECK DAMS
 - 310.010 CONCRETE SIDEWALK
 - 310.050 CONCRETE SIDEWALK DRIVEWAY ENTRANCE DETAILS
 - 350.010 URBAN INDUSTRIAL, COMMERCIAL, AND APARTMENT ENTRANCES
 - 401.010 CAST IRON, SQUARE FRAME WITH SQUARE OVERFLOW TYPE DISHED GRATE FOR CATCH BASINS, HERRING BONE OPENINGS
 - 509.010 GENERAL RESTRAINTMENT FOR UTILITY CUTS
 - 801.010 GENERAL RIP-RAP LAYOUT FOR SEWER AND CULVERT OUTLETS
 - 802.010 FLEXIBLE PIPE, EMBEDEDMENT AND BACKFILL, EARTH EXCAVATION
 - 803.030 FROST TREATMENT - PIPE CULVERTS, FROST PENETRATION LINE BELOW BEDDING GRADE
 - 1010.00 HEIGHT OF FILL TABLE, ROUND CORRUGATED STEEL PIPE AND STRUCTURAL PLATE CORRUGATED STEEL PIPE
 - 1048.010 SEWER SERVICE CONNECTIONS FOR RIGID MAIN PIPE SEWER
 - 1048.020 WATER SERVICE CONNECTION, 32, 38, AND 50mm DIAMETER SIZES
 - 1109.010 HYDRANT INSTALLATION
 - 1109.011 CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS

- 23. ALL EQUIPMENT SHALL BE CSA CERTIFIED
 - 24. ALL EQUIPMENT, MATERIALS AND INSTALLATION SHALL CONFORM TO THE BEST PRACTICES AND IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE AND STANDARDS
 - 25. IF WORK IS STOPPED ON THE SUBDIVISION, THEN AGAIN, 48 HOURS NOTICE WILL BE REQUIRED BEFORE RE-COMMENCING THE CONSTRUCTION. THIS NOTICE IS REQUIRED SO THAT ARRANGEMENTS CAN BE MADE FOR THE INSPECTION OF THE MUNICIPALITY SERVICES
 - 26. ONCE THE ABOVE GROUND SERVICES (ROAD, CURB AND GUTTER, SOD, IF ANY) ARE COMPLETED, PERMISSION FROM THE ENGINEER WILL BE REQUIRED BEFORE MAKING A CUT IN THESE SERVICES
 - 27. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ORKNEY WITH THE MUNICIPALITY STAFF. SHALL INSPECT EXISTING CITY UNDERGROUND AND ABOVE GROUND SERVICES, THE LOCATION OF THE SUBDIVISION AND MAKE A LIST OF ANY DEFICIENCIES. THIS LIST SHALL BE SIGNED BY A REPRESENTATIVE OF THE MUNICIPALITY AND CONTRACTOR. A SIMILAR INSPECTION SHALL BE CARRIED OUT AFTER COMPLETION OF CONSTRUCTION
 - 28. NO BLASTING PERMITTED
- WATER SERVING NOTES:
- 1. CONTRACTOR IS TO ADHERE TO ALL CURRENT REGULATION FOR WATERMAIN TESTING AND DISINFECTION. CONTRACTOR/CONSULTANT ARE RESPONSIBLE TO ENSURE ALL MINISTRY OF ENVIRONMENT RULES AND REGULATIONS ARE FOLLOWED.
 - 1. SERVICES SIZE SHALL BE 50mm WITH A MINIMUM BURIAL DEPTH OF 1.8m CONFORMING TO AAWA STANDARDS.
 - 2. WATER SERVICES SHALL BE 50mm POLYETHYLENE TUBING (OR APPROVED EQUAL)
 - 3. WATERMAIN MATERIALS SHALL BE PVC CLASS 1500mm TO AWWA C900-89 SPEC. COLOUR CODED BLUE, CERTIFIED CSA APPROVED. ALL BELL ENDS, COMPLETE WITH #12 AND INSULATED UNDERGROUND APPLICATION COPPER TRACER WIRE OR APPROVED EQUAL
 - 4. FIRE HYDRANTS SHALL BE BREAKAWAY VALVE CENTURY, OR CLOW CANADA BRIGADIER TO AWWA STD. C502-80. WITH TWO 60mm OUTLETS WITH 5 THREADED PER 25mm, NOMINAL 1.8m BURY, OPEN LEFT WITH TYTON JOINT TO BASE. ALL HYDRANTS TO HAVE TWO 60mm AND ONE 100mm OUTLET. FIRE HYDRANTS TO BE SELF-DRAINING. HYDRANT VALVES TO BE ANCHORED AT MAIN.
 - 5. ALL WATERMAIN APPURTENANCES SHALL BE NO-LEAD BRASS.
 - 6. FIRE HYDRANT TOPS AND CAPS ARE REQUIRED TO BE COLOUR CODED TO COMPLY WITH CHAPTER 5 OF NFPA 291
 - 7. SERVICE CONNECTIONS SHALL HAVE A CORPORATION MAIN STOP AND BE "GOOSE-NECKED" NEAR THE WATER MAIN AS PER THE APPROPRIATE OPSS. MAIN STOPS MAY BE SET AT THE SPRING LINE AND THE GOOSENECK MAY BE HORIZONTAL.
 - 8. A NON-DRAINING CURB STOP (UNLESS OTHERWISE SPECIFIED BY THE TOWN) AND ASSOCIATED VALVE BOX TO FINISH GRADE
 - 9. SHALL BE PROVIDED ON THE SERVICE CONNECTION TO EACH PREMISES AND BE LOCATED ON, OR NEAR THE PROPERTY LINE
 - 10. (PROPERTY OWNER SIDE). ALL SUCH SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH RELEVANT OPSS. A STAINLESS STEEL EXTENSION ROD SHALL BE 50mm. A PRE-CAST CONCRETE PAD OF 150M150X30 SHALL BE SET UNDER THE CURB STOP.
 - 11. STEEL EXTENSION ROD SHALL BE 50mm. A PRE-CAST CONCRETE PAD OF 150M150X30 SHALL BE SET UNDER THE CURB STOP.
 - 12. NEW CURB STOP INSTALLATIONS SHALL NOT BE LOCATED IN DRIVEWAYS OR SIDEWALKS UNLESS APPROVED BY THE TOWN.
 - 13. SERVICES OF 50MM OR LESS SHALL HAVE NO JOINTS BETWEEN THE MAIN STOP AND THE CURB STOP AND NO JOINTS BETWEEN THE CURB STOP AND THE BUILDING INTERIOR.
 - 14. BETWEEN THE CURB STOP AND THE BUILDING INTERIOR.
 - 15. SERVICE CONNECTIONS TO PVC MAINS SHALL BE BY STAINLESS STEEL SADDLE OR BY FACTORY SUPPLIED PVC SERVICE TEES.
 - 16. ALL NON-METALLIC WATER MAINS AND SERVICES SHALL HAVE A 12 GAUGE TRACER WIRE.
 - 17. TRACER WIRE SHALL BE LOOPED UP THE OUTSIDE OF ALL MAIN VALVE BOXES AND EXTENDED INTO THE VALVE BOX BY 50MM
 - 18. THROUGH A SAW CUT 50MM BELOW THE BOTTOM OF THE COVER BELL
 - 19. CATHODIC PROTECTION SHALL BE AS OPSS 1109.011 AND SHALL BE DEEMED INCLUDED IN SERVICE/PIPE PRICING.
 - 20. WATER SERVICES SHALL NOT BE USED AS AN ELECTRICAL GROUND.
 - 21. ONE 150mm ISOLATION VALVE SHALL BE INSTALLED FOR THE NEW FIRE HYDRANT AS PER OPSS 1105.010 AND SITE PLAN STANDARDS, SECTION 4.12.
 - 22. MECHANICAL RESTRAINTS ARE REQUIRED AT ALL PLUGS, CAPS, TEES, LINE VALVES, REDUCERS, WYES, HYDRANTS AND BENDS, DEFLECTING 22.5 OR MORE AS PER WATERMAIN DESIGN CRITERIA, AS FOLLOWS:
 - 22.1. ALL JOINTS WITHIN 15m OF A BEND (11.25' AND GREATER)
 - 22.2. ALL JOINTS WITHIN 20m OF A REDUCER/INCREASER
 - 22.3. ALL JOINTS WITHIN 20m OF A CAP, PLUG OR VALVE
 - 22.4. LENGTH OF PIPE IS REQUIRED ENTERING AND EXITING THE MAINLINE LEGS OF A TEE.
 - 22.5. ALL JOINTS ON A FIRE HYDRANT LEAD
 - 23. ONE 50mm CURB STOP, ACCESSIBLE AT GRADE LEVEL SHALL BE INSTALLED NEAR THE CONNECTION OF THE 50mm SERVICE LINE TO THE 150mm MAIN.
 - 24. SERVICES SHALL CONFORM TO OPSS 701 CONSTRUCTION SPECIFICATIONS FOR WATERMAIN INSTALLATION IN OPEN CUT WHICH INCLUDES REFERENCE TO HYDROSTATIC TESTING, AWWA STANDARD 051-DISINFECTING WATER MAINS, AND NSF/ANSI STANDARD 61: DRINKING WATER SYSTEM COMPONENTS.
 - 25. A HORIZONTAL SEPARATION DISTANCE OF 2.5m MUST BE MAINTAINED BETWEEN THE SEWERMAN AND THE 150mm SERVICE LINE. THE SERVICE LINE SHALL BE INSTALLED AT A MINIMUM OF 1.8m FROM THE SEWERMAN. THE SERVICE LINE SHALL BE PROVIDED BETWEEN THE 50mm WATER SERVICE LINE AND THE SEWERMAN PROVIDED AS PER OBC REQUIREMENTS OF SECTION 7.3.5.7. (2),(3).
- SANITARY SERVING NOTES:
- 1. SANITARY SEWER SERVICES SHALL BE SDR 26 PVC PIPE (OR APPROVED EQUAL)
 - 2. THE BUILDING SERVICES CONNECTED TO MAINS SHALL BE SET ABOVE THE SPRING LINE OF THE SEWER MAIN WITH A SADDLE OR TEE CONNECTION AND WITH LONG RADIUS BENDS
 - 3. BUILDING SEWER SERVICES SHALL BE 125MM DIA. PVC SDR26 AND 200mm 101A PVC SDR35 BELL AND SPIGAT CSA CERTIFIED.
 - 4. THE MINIMUM COVER FOR SANITARY SERVICES WILL NORMALLY BE A MINIMUM OF 1.5M FROM THE FINISHED GRADE PROTECTION. JUST CONFORM TO THE OBC.
 - 5. SANITARY SERVICES SHALL HAVE A MINIMUM OF ONE CLEAN-OUT LOCATED BETWEEN THE BUILDING LINE AND THE PROPERTY LINE. ALTERNATIVELY, CLEAN-OUTS SHALL BE ONLY AS APPROVED BY THE TOWN. CLEAN-OUTS SHALL BE CAPPED WITH WATER-TIGHT CAPS.
 - 6. REMOVE ANY FREE ORGANIC TOPSOIL ORGANICS AND ORGANIC-BEARING MATERIALS, LOAM, FROZEN EARTH, AND BOULDERS LARGER THAN 150mm IN DIAMETER ENCOUNTERED AT SUBGRADE ELEVATION TO ENSURE THAT IT IS ACCEPTABLE FOR PLACEMENT OF NEW EQUIPMENT TO ENSURE THAT IT IS ACCEPTABLE FOR PLACEMENT OF NEW GRANULAR BASE AND SUBBASE MATERIALS ANY DELETERIOUS AREAS DETECTED (OVERLY WET OR SOFT) SHOULD BE REPLACED WITH ACCEPTABLE EARTH FILL OR GRANULAR MATERIAL COMPACTED TO A MINIMUM OF 98% SPMUD
 - 7. NATIVE SOIL AND GRANULAR COMPACTED REQUIREMENTS ARE AS PER OPSS 501, SUBSECTION 501.08.02 - METHOD A. MAXIMUM DRY DENSITY IN MAXIMUM 200mm LIFTS AND COMPACTATION STANDARDS OF 100% STANDARD PROCIER MAXIMUM DRY DENSITY.
 - 8. WHERE ASPHALT MEETS EXISTING, A 300mm LAP JOINT IS TO BE PROVIDED
 - 9. ALL SAW CUTTING REQUIRED AND FINE GRADING PRIOR TO PAVING ARE TO BE INCLUDED
- ON-SITE STANDARD STRUCTURAL DESIGN:
- | GRANULAR SUB-BASE | GRANULAR B' TYPE II | MIN. 200mm THICKNESS | OPSS 1010 |
|-------------------|----------------------|------------------------------------|-----------|
| GRANULAR BASE | GRANULAR A (QUARRED) | 150mm THICKNESS <th>OPSS 1011</th> | OPSS 1011 |
| GRANULAR SURFACE | H.L. 3 | 50mm THICKNESS <th>OPSS 1150</th> | OPSS 1150 |

GENERAL NOTES:

ALL INFORMATION TO BE VERIFIED ON THE PROJECT TO COMMENCE ANY WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT IMMEDIATELY. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.

ALL UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO COMMENCING ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.

EXCLUDING THE BENCHMARK AND DESCRIPTION PROVIDED FOR THE PROJECT, NO OTHER BENCHMARK OR DESCRIPTION SHALL BE USED FOR A REFERENCE ELEVATION FOR ANY PURPOSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE CONSULTANT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.

ALL DIMENSIONS SHOWN ARE IN METRES OR MILLIMETRES, UNLESS OTHERWISE NOTED. DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

NO.	DATE	DESCRIPTION	BY

LEGEND:

- GRAVEL ROADWAY RESTORATION
- PAVED ROADWAY RESTORATION
 - 20mm H.L. ASPHALT
 - 150mm GRANULAR 'A'
 - 150mm GRANULAR 'B'
 - 300mm GRANULAR 'B'

DESERTON BUILDING LOTS
ORKNEY RESIDENTIAL
GREEN STREET
DESERONTO, ONTARIO

GENERAL NOTES & DETAILS

DRAWN BY: ASG
DESIGNED BY: ASG
CHECKED BY: AR
APPROVED BY: AR

PROJECT NO: 2004776
DATE: October/2020
SCALE: HORIZONTAL - 1:150
VERTICAL - NA
CONTRACT NO: AR
DRAWING NO: GN

