

#### EX. OVERHEAD HYDRO PROP. CATCHBASIN MANHOLE PROP. CATCHBASIN EX. ELEVATION $\times 394.25$ MATCH EX. GRADE $\times$ (331.14)EX × (331.14) PROP. GRADE × (331.14)SW PROP. SWALE GRADE PROP. SLOPE PROP. SWALE 3H:1V MAX. SLOPE PROP. SILT FENCE PROP. DRAINAGE SPLIT

## CALL BEFORE YOU DIG

THE LOCATION OF SERVICES ON THIS DRAWING ARE ONLY APPROXIMATE AND BASED ON SURFACE FEATURES LOCATED AT THE TIME OF THE TOPOGRAPHIC SURVEY. PRIOR TO ANY CONSTRUCTION IT IS THE RESPONSIBILITY OF THE CONTRACTOR/BUILDER TO ENSURE THE EXACT LOCATION OF ALL UTILITIES.

## BEARING AND COORDINATE NOTE:

- BEARINGS ARE GRID BEARINGS AND ARE DERIVED FROM GPS OBSERVATIONS AND ARE REFERRED TO THE UTM PROJECTION, ZONE 17, NAD 83 (CSRS-2010) ADJUSTMENT.
- 2. DISTANCES SHOWN ON THIS PLAN ARE ADJUSTED GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY AN AVERAGED COMBINED SCALE FACTOR OF 0.999560

## **METRIC:**

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

## TOPOGRAPHIC SURVEY DATE:

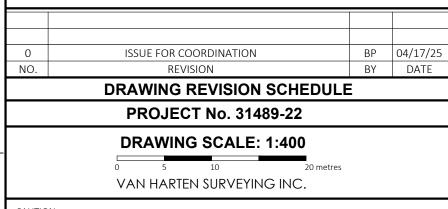
THIS TOPOGRAPHIC SURVEY WAS COMPLETED ON THE 7th DAY OF SEPTEMBER, 2022

## BENCHMARK:

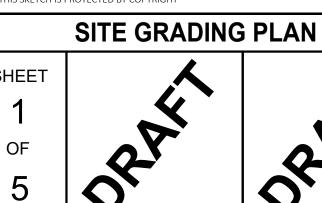
ELEVATIONS ARE BASED ON GPS OBSERVATIONS FROM PERMANENT REFERENCE STATIONS IN THE NAD83 (CSRS-2010) COORDINATE SYSTEM, WITH HEIGHTS CONVERTED TO ORTHOMETRIC ELEVATIONS ON THE CVGD28 DATUM (1978 ADJUSTMENT) WITH GEOID MODEL HTV2.0, AS SUPPLIED BY NATURAL RESOURCES CANADA.

## **SITE PLAN FOR:**

PROPOSED SELF STORAGE COMPLEX **752065 IDA STREET** PART OF LOT 237, CONCESSION 2 **SOUTHWEST OF THE TORONTO AND SYDENHAM ROAD GEOGRAPHIC TOWNSHIP OF PROTON** TOWNSHIP OF SOUTHGATE **COUNTY OF GREY** 



PURPOSES.
THIS SKETCH IS PROTECTED BY COPYRIGHT



PREPARED FOR:

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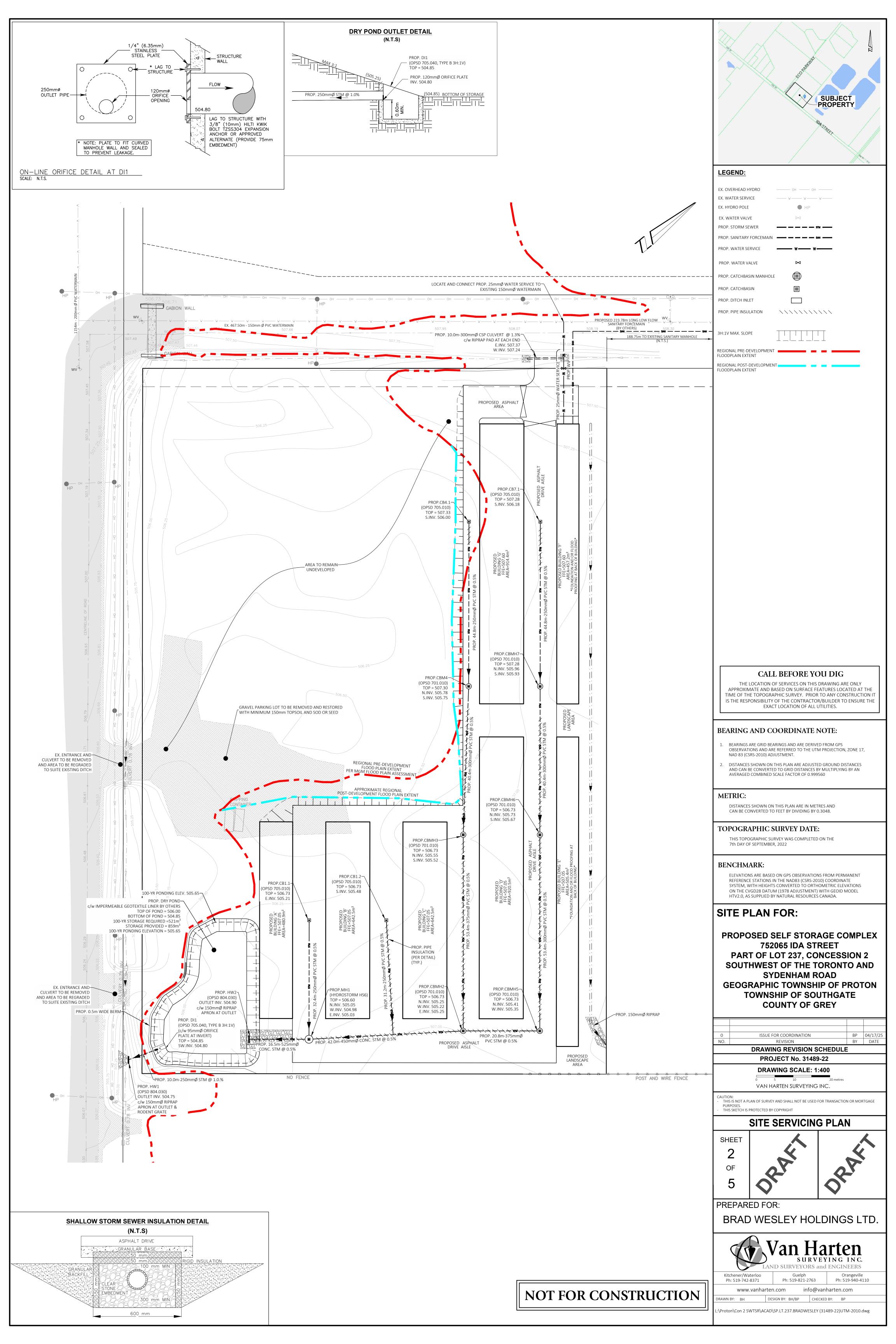
BRAD WESLEY HOLDINGS LTD.



DRAWN BY: BH ::\Proton\Con 2 SWTSR\ACAD\SP.LT.237.BRADWESLEY (31489-22)UTM-2010.dwg

info@vanharten.com

**NOT FOR CONSTRUCTION** 



#### **GENERAL NOTES:**

- 1. CONSTRUCTION FOR THIS PROJECT TO COMPLY WITH MOST RECENT VERSION OF TOWNSHIP OF SOUTHGATE DEVELOPMENT MANUAL, THE ONTARIO BUILDING CODE, AND OPSS AND OPSD. ALL UNDERGROUND SERVICE MATERIALS AND METHODS TO BE IN ACCORDANCE WITH THE
- LATEST APPLICABLE CODES AND STANDARDS ALL CONSTRUCTION TO BE CARRIED OUT IN ACCORDANCE WITH THE
- OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- THE OWNER IS RESPONSIBLE FOR THE COORDINATION OF ALL REQUIRED 4. TEMPORARY SEDIMENT CONTROLS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ON SITE AND MAINTAINED FOR THE DURATION OF THE
- CONSTRUCTION PERIOD TO THE SATISFACTION OF THE TOWNSHIP. DISTURBED AREAS TO BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATES EXPOSING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RELATING TO THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS
- WRITTEN NOTICE TO THE UTILITIES, FOR THE PURPOSES OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
- A GEOTECHNICAL CONSULTANT SHOULD BE RETAINED TO CARRY OUT NECESSARY INSPECTIONS AND TESTING DURING CONSTRUCTION TO ENSURE PROPER PLACEMENT OF MATERIALS AND ADEQUATE COMPACTION.
- ALL EXTERIOR LIGHTING TO BE DARK SKY COMPLAINT, DIRECTED ONTO THE SITE AND NOT TO INFRINGE UPON ADJACENT PROPERTIES 10. WITH REFERENCE TO THE GEOTECHNICAL REPORT, HEAVY DUTY ASPHALT
- FOR THE FIRE ROUTE SHALL COMPRISE OF MINIMUM 50mm HL3, 75mm HL4 OR HL8, 150mm GRANULAR 'A' AND 450mm GRANULAR 'B'.
- 11. WITH REFERENCE TO THE GEOTECHNICAL REPORT, GRAVEL STRUCTURE TO BE 200mm GRANULAR 'A' AND 600mm GRANULAR 'B' 12. WITH REFERENCE TO THE GEOTECHNICAL REPORT, THE PAVEMENT STRUCTURE FOR PARKING AREAS/DRIVE AISLES SHALL COMPRISE 40mm
- HL3, 50mm HL4 OR HL8, 150mm GRANULAR 'A' AND 400mm GRANULAR 13. ANY ERRORS, OMISSIONS AND/OR CHANGE OF CONDITIONS ON SITE TO BE
- BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PERFORMING
- 14. PLAN BASED ON TOPOGRAPHIC SURVEY COMPLETED BY VAN HARTEN

15. THIS IS NOT A PLAN OF SURVEY AND SHALL NOT BE USED FOR

TRANSACTION OR MORTGAGE PURPOSES.

### **GRADING NOTES:**

- UNDERSIDE OF FOOTING TO BE MINIMUM 1.22m BELOW EXTERIOR GRADES AROUND BUILDING. LOT TO BE GRADED SO THAT WATER DOES NOT POND AT/NEAR BUILDINGS
- 2. DRÍVE AISLES AND PARKING AREAS TO BE BETWEEN 0.5% AND 5% UNLESS OTHERWISE NOTED ACCESSIBLE PATH TO BE GRADED AT MAXIMUM 5%.
- 4. ALL LANDSCAPE AREAS ON SITE TO BE RESTORED WITH MINIMUM OF 150mm TOPSOIL AND SOD UNLESS OTHERWISE SPECIFIED BY LANDSCAPE
- 5. MATCH EXISTING GRADES AT ALL PROPERTY LIMITS. GRADING NOT TO EXTEND ONTO ADJACENT PROPERTIES WITHOUT PRIOR WRITTEN CONSENT
- OF ADJACENT PROPERTY OWNER. SLOPES TO BE MAXIMUM 4H: 1V UNLESS OTHERWISE NOTED. RETAINING WALLS, IF ANY, TO BE DESIGNED BY OTHERS AND IN
- CONFORMANCE WITH THE ONTARIO BUILDING CODE. 8. UNLESS OTHERWISE RECOMMENDED BY A GEOTECHNICAL CONSULTANT, ALL
- GRANULAR MATERIAL TO BE COMPACTED TO 100% STANDARD PROCTOR 9. UNLESS OTHERWISE RECOMMENDED BY A GEOTECHNICAL CONSULTANT, ALL
- GENERAL BACKFILL TO BE APPROVED MATERIAL AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR MAX DRY DENSITY. 10. FILL MATERIALS TO BE FREE OF ANY DELETERIOUS MATERIAL INCLUDING DEBRIS, LARGE ROCKS, ORGANICS, ETC. FILL MATERIAL TO BE FREE FROM LENSES, POCKETS OR LAYERS OF MATERIAL WHICH ARE SIGNIFICANTLY DIFFERENT IN GRADATION FROM SURROUNDING MATERIAL IN THE SAME ZONING. CARE SHOULD BE TAKEN TO ENSURE THAT FILL MATERIAL DOES
- NOT SEGREGATE DURING TRANSPORTATION OR STORAGE. IF SEGREGATION OCCURS, MATERIAL SHOULD BE MIXED PRIOR TO PLACEMENT 11. ALL EARTHWORKS ACTIVITIES TO BE UNDERTAKEN IN COMPLIANCE WITH O.Reg 406/19 REGARDING ON-SITE AND EXCESS SOIL MANAGEMENT.

#### WORKS WITHIN THE MUNICIPAL RIGHT OF WAY

- AN ENTRANCE PERMIT IS REQUIRED PRIOR TO CONSTRUCTION OF THE PROPOSED SITE ENTRANCE. 2. A ROAD OCCUPANCY PERMIT IS REQUIRED PRIOR TO ANY CONSTRUCTION
- WITHIN THE MUNICIPAL RIGHT-OF-WAY. 3. A PUBLIC TREE PERMIT IS REQUIRED TO REMOVE OR INJURE ANY TREE WITHIN THE TOWNSHIP RIGHT-OF-WAY.
- CONTRACTOR TO CONFORM TO REQUIREMENTS OF ENTRANCE PERMIT AND ROAD OCCUPANCY PERMIT. WHERE THE PERMITS DIFFER FROM THESE NOTES, THE PERMIT CONDITIONS SHALL TAKE PRECEDENCE 5. ALL WORKS WITHIN THE MUNICIPAL RIGHT-OF-WAY ARE AT THE
- DEVELOPER'S COST AND ARE TO BE COMPLETED BY A TOWNSHIP APPROVED CONTRACTOR.
- CONTRACTOR TO BE RESPONSIBLE FOR PROPERLY COMPACTING BACKFILL MATERIAL AND RESTORING SURFACES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE TOWNSHIP.
- 7. BOULEVARDS TO BE RESTORED WITH MINIMUM 200mm TOPSOIL AND No. 1 NURSERY SOD TO THE SATISFACTION OF THE TOWNSHIP 8. ROAD MUST BE MAINTAINED TO A MINIMUM OF ONE LANE AT ALL TIMES
- FOR EMERGENCY ACCESS PER OTM GUIDELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL, BOOK 7 - TEMPORARY

#### **SERVICING NOTES**

DAMAGE OF SAME

- 1. ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT TOWNSHIP OF SOUTHGATE STANDARDS AND SPECIFICATIONS AND
- APPLICABLE OPSS / OPSD. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RELATING TO
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES, FOR THE PURPOSES OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.

- 1. ALL STORM SEWERS TO BE PVC PIPE AND CONFORM TO OPSS 1820 AND ANY APPLICABLE CSA STANDARDS.
- 2. ALL CATCHBASINS TO BE 600mm x 600mm PRECAST CONCRETE PER 3. ALL MANHOLES AND CATCHBASIN MANHOLES TO BE 1200mm DIAMETER

Outlet

Plan

-150

All dimensions are in millimetres unless

otherwise shown

PROJECT:

LOCATION:

REVISION DATE:

Ø1800

ETV Canada Verified

Independent Testing

CDN Patent # 3,085,711

www.hydroworks.com

NJDEP Certified

888-290-7900

PRECAST CONCRETE PER OPSD 701.010, UNLESS OTHERWISE NOTED.

#### **WATER**

- 1. THE OWNER IS RESPONSIBLE FOR SATISFYING THAT THERE IS ADEQUATE FIRE PROTECTION AVAILABLE FOR THEIR PURPOSES.
- 2. WATERMAINS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSS 441. ALL MUNICIPAL OWNED WATER VALES TO BE OPERATED BY THE TOWNSHIP THE CONTRACTOR IS TO COORDINATE ALL NECESSARY VALVE OPERATIONS WITH THE TOWNSHIP PUBLIC WORKS DEPARTMENT.
- 4. WATERMAINS AND/OR WATER SERVICES MATERIALS FOR SIZES 100mm AND LARGER TO BE DR18 MANUFACTURED TO AWWA SPEC. C900-16 SPEC COMPLETE WITH TRACER WIRE. SIZE 50mm AND SMALLER MUST BE TYPE 'K' SOFT COPPER PIPE PER ASTM B88-49 SPECIFICATION 5. THE CONTRACTOR SHALL FURNISH ALL FITTINGS, SPECIALS, BRANCH

OUTLETS, CLOSURE PIECES, ETC. REQUIRED FOR THE COMPLETE

INSTALLATION OF THE WATERMAIN.

WITH OPSS 441.

- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY WATER SUPPLY TO BUILDINGS AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR QUALITY TESTING OF THE TEMPORARY SUPPLY IN ACCORDANCE WITH TESTING PROCEDURES TO THE SATISFACTION OF THE 7. 12 GAUGE, 7 STRANDED COPPER WITH PLASTIC COATING TRACER WIRE TO
- BE PLACED ALONG THE TOP OF PIPE AND ATTACHED IN TWO LOCATION ON EACH LENGTH OF PIPE. TRACER WIRE TO BE TAPED TO WATERMAIN AT 5m INTERVALS. TRACER WIRE TO CONNECT TO TEST STATION. TRACER WIRE SHALL NOT BE BROUGHT UP TO THE SURFACE INSIDE VALVE BOXES. TRACER WIRE TO BE BROUGHT UP TO THE OUTSIDE OF THE VALVE BOX INSTALLED THROUGH A GROMMET NEAR THE SURFACE
- GATE VALVES TO BE RESILIENT WEDGE CONFORMING TO AWWA C509 F-6100 MECHANICAL JOINT PER TOWNSHIP OF SOUTHGATE STANDARDS WITH FUSIN-BONDED EPOXY COATING AND BRONZE STEM OPENING COUNTER-CLOCKWISE 10. ALL FITTINGS TO BE MECHANICALLY RESTRAINED INCLUDING A MINIMUM OF 10m ON EITHER SIDE OF THE FITTING 11. NON-METALLIC WATERMAIN WITH METALLIC VALVES AND FITTINGS AND
- NON-METALLIC SERVICE LATERALS TO HAVE ONE ZINC Z-24-48 (24 lb) ANODE ATTACHED TO EACH METALLIC FITTING WITH A BRASS GROUNDING PETROLATUM TAPE TO BE USED ON ALL METALLIC FITTINGS. 12. PRIOR TO CONNECTION TO THE PUBLIC WATERMAIN, THE CONTRACTOR IS TO PROVIDE THE TOWNSHIP ENGINEER AND PUBLIC WORKS A COMMISSIONING PLAN WHICH IS TO INCLUDE PLANS FOR SWABBING, DISINFECTION, PRESSURE TESTING AND BACTERIOLOGICAL TESTING
- 13. ALL FIELD TESTS TO BE CONDUCTED IN THE PRESENCE OF THE TOWNSHIP AND THE CONTRACT ADMINISTRATOR. 14. SWABBING REQUIRED IN ACCORDANCE WITH OPSS 441.07.25
- 15. CHLORINE RESIDUAL AND BATERIOLOGICAL TESTING REQUIRED IN ACCORDANCE WITH OPSS 441.07.25. DISINFECTION OF WATERMAIN SHALL BE COMPLETED IN ACCORDANCE WITH MECP WATERMAIN DISINFECTION PROCEDURE AND AWWA 651. 16. HYDROSTATIC PRESSURE TESTING TO BE CARRIED OUT IN ACCORDANCE
- 17. CONNECTION TO THE MUNICIPAL WATERMAIN TO BE MADE IN ACCORDANCE WITH TOWNSHIP OF SOUTHGATE STANDARDS. 18. ALL PROPOSED WATER PIPING TO BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS. 19. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR
- BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM. 20. WHERE EXISTING WATERMAINS ARE TAPPED, THE PIPE SURFACE AT THE LOCATION OF THE TAP SHALL BE CLEANED AND DISINFECTED USING A MINIMUM OF 1% SODIUM HYPOCHLORITE SOLUTION. WHERE APPLICABLE, THE DRILL/CUTTING/TAPPING BITS AND ALL SURFACES OF MAINSTOPS, SERVICE SADDLES, TAPPING SLEEVES AND VALVES WHICH WILL COME INTO CONTACT WITH DRINKING WATER SHALL BE LIKEWISE CLEANED AND DISINFECTED USING A MINIMUM 1% SODIUM HYPOCHLORITE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION. IF ANY OF THE DISINFECTED SURFACES COME IN CONTACT WITH SOIL AND/OR WATER IN THE EXCAVATION PRIOR TO USE, THE CLEANING AND DISINFECTION PROCEDURE SHALL BE REPEATED.

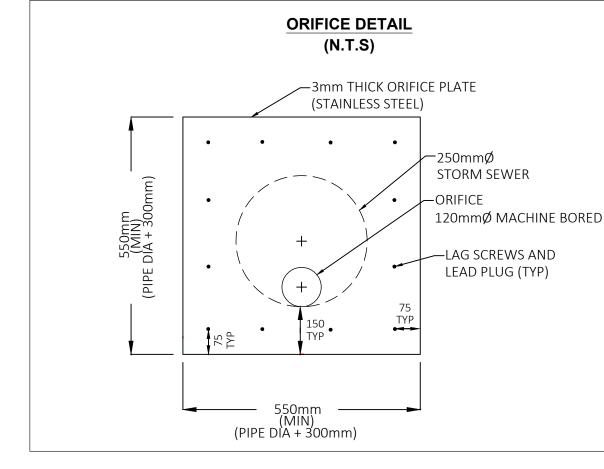
### **EROSION AND SEDIMENT CONTROL NOTES**

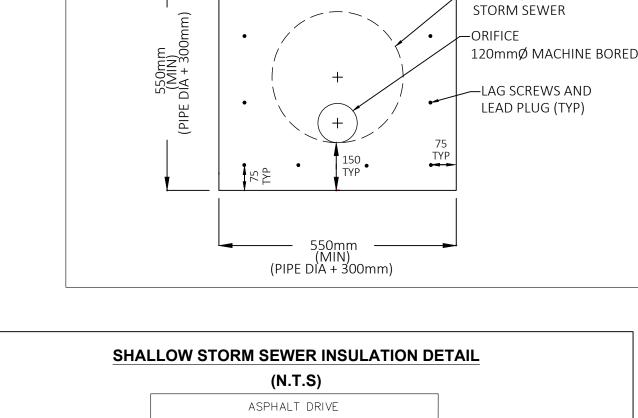
- EROSION AND SEDIMENT CONTROL (ESC) MEASURES TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE STORMWATER. ALL DAMAGED EROSION AND SEDIMENT CONTROLS SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT TEMPORARY SEDIMENT CONTROLS ARE FUNCTIONING AS INTENDED. 3. DISTURBED AREAS TO BE MINIMIZED TO THE EXTENT POSSIBLE, AND
- TEMPORARILY OR PERMANENTLY STABILIZED/RESTORED AS THE WORK PROGRESSES. 4. ALL DISTURBED GROUND LEFT INACTIVE FOR 30 DAYS SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS. 5. THE EROSION AND SEDIMENT CONTROL STRATEGIES ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREA. IF THE IDENTIFIED MEASURES ON THE PLAN ARE NOT EFFECTIVE IN
- PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, INCLUDING THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. ADDITIONAL ESC MEASURES ARE TO BE KEPT ON SITE AND USED AS NECESSARY. NO ALTERNATIVE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE DESIGN CONSULTANT AND THE TOWNSHIP. ANY DEVIATION FROM THE APPROVED PLANS MUST BE DESIGNED BY A
- QUALIFIED PROFESSIONAL INSPECTION OF ESC MEASURES SHOULD OCCUR, AT MINIMUM: DURING PERIODS OF EARTHWORKS ACTIVITIES: ON A WEEKLY BASIS;
- AFTER EVERY RAINFALL EVENT; AFTER SIGNIFICANT SNOWMELT EVENTS;
- DAILY DURING PERIODS OF EXTENDED RAIN OR SNOWMELT. **DURING INACTIVE PERIODS:** ONCE A MONTH; AFTER SIGNIFICANT RAINFALL OR SNOWMELT EVENTS.
- ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, TO BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO SEWERS AND/OR
- 9. VEHICULAR REFUELING AND MAINTENANCE TO BE COMPLETED IN A DESIGNATED AREA. 10. ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY FROM
- THE APPROVED ACCESS ROUTE 11. CONTRACTOR TO BE RESPONSIBLE FOR PROVISIONS, MAINTENANCE AND RESTORATION OF THE CONSTRUCTION ACCESS
- 12. MUD MAT TO BE CONSTRUCTED AT THE ACCESS POINT TO THE SITE.

  CONTRACTOR TO MAINTAIN MUD MAT TO MAXIMIZE EFFECTIVENESS AT ALL ALL VEHICLES ARE TO ENTER AND LEAVE THE SITE VIA THE MUD
- 13. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING MUNICIPAL ROADWAYS AND SIDEWALKS ARE CLEANED OF ALL SEDIMENTS FROM VEHICULAR
- TRACKING AT THE END OF EACH WORKING DAY. STREET SWEEPING TO BE UNDERTAKEN AS NEEDED.
- 14. NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL BE ALLOWED BEYOND THE LIMIT OF THE TEMPORARY SEDIMENT CONTROL FENCE OR THE SITE 15. THE CONTRACTOR SHALL TAKE CARE AND CONTROL SPILLS, FLUIDS AND
- MATERIALS DURING CONSTRUCTION TO MINIMIZE RISK TO THE ENVIRONMENT. 16. DEWATERING WILL NOT BE PERMITTED DURING CONSTRUCTION. SHOULD DEWATERING BE REQUIRED, A SEPARATE PLAN AND APPROVAL IS TO BE OBTAINED. NO PUMPING OF SEDIMENT LADEN RUNOFF FORM THE SITE IS PERMITTED AT ANY TIME.
- 17. PRIOR TO SITE DISTURBANCE THE CONTRACTOR / PROPONENT SHOULD ENSURE THAT THE WORKS ARE IN CONFORMANCÉ WITH MIGRATORY BIRDS CONVENTION ACT. PLEASE NOTE THAT THE GENERAL BREEDING BIRD TIMING WINDOW FOR THIS AREA IS APRIL 1ST TO AUGUST 31ST, HOWEVER BREEDING ACTIVITIES MIGHT INITIATE PRIOR TO AND CONTINUE PAST THIS
- 18. TOPSOIL AND TEMPORARY MATERIAL STOCKPILES TO BE ENCLOSED WITH SEDIMENT CONTROL FENCE. SEDIMENT CONTROL FENCE FOR STOCKPILES TO BE TERRAFIX TERRAFENCE OR APPROVED EQUIVALENT. 19. ACCUMULATED SEDIMENT TO BE REMOVED FORM THE SEDIMENT BARRIER ONCE IT REACHES A DEPTH OF MAXIMUM 300mm. ALL ACCUMULATED
- SEDIMENT CONTROL FENCING. 20. REMOVE TEMPORARY SEDIMENT CONTROLS FOLLOWING COMPLETION OF CONSTRUCTION AND SITE STABILIZATION.

SEDIMENT IS TO BE REMOVED PRIOR TO REMOVING THE TEMPORARY

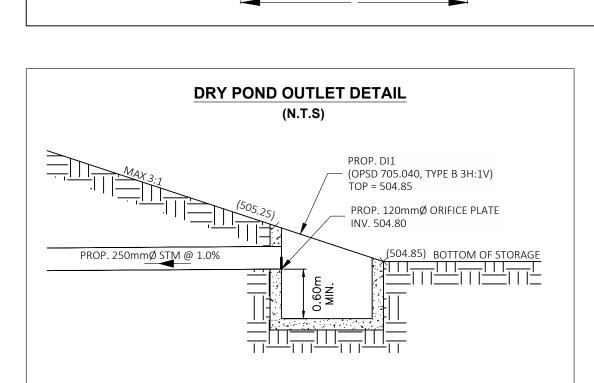
- 21. AN AFTER HOURS CONTACT LIST IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL THE PLANS SHOULD HAVE THE NAME AND CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR MAINTENANCE OF ESC
- 22. ANY SEDIMENT OR OTHER SPILL FROM THE SITE IS TO BE REPORTED TO THE MINISTRY OF ENVIRONMENT (SPILL ACTION CENTRE) AT 1-800-268-6060.





GRANULAR BASE . . . . . . . . . . .

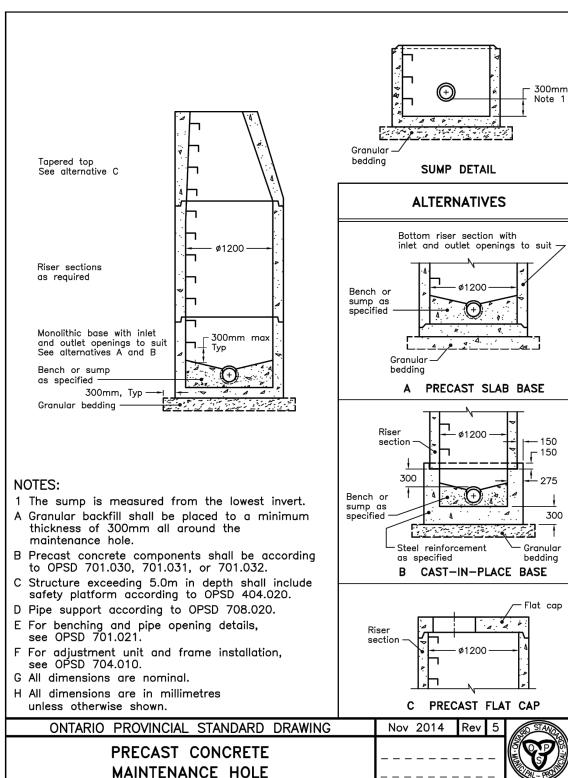
600 mm



STONE

EMBEDMÊNT

: BACKFIÌ



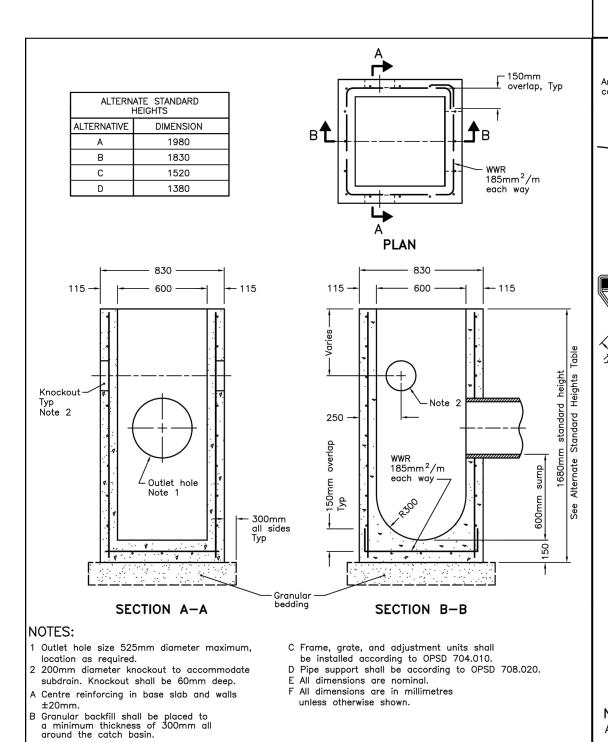
**KEY MAP** (N.T.S)

**SUBJECT** 

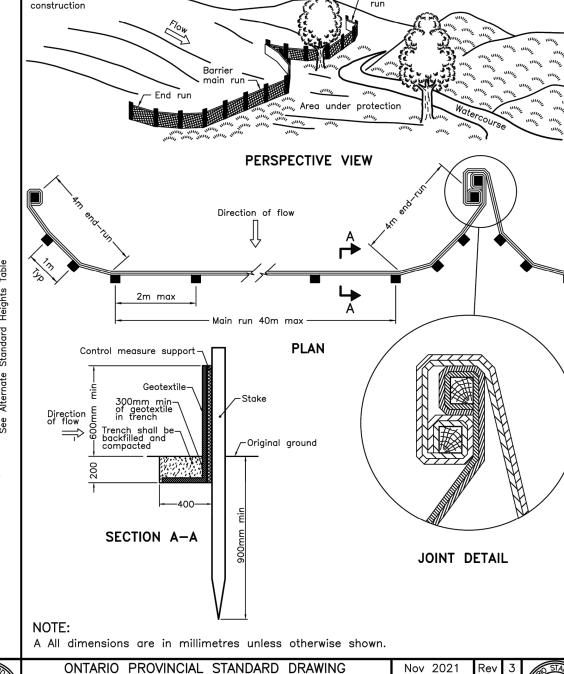
**PROPERTY** 

OPSD 701.010

OPSD 219.130



Nov 2019 Rev



1200mm DIAMETER

600x600mm OPSD 705.010 PIPE IN UNSUPPORTED PIPE IN SUPPORTED ---— Finished surface Finished surface -EXCAVATION EXCAVATION - Note 4, Typ S or temporary support system Backfill material For pipe culvert frost treatment Note 3 TYPE 1 OR 2 TYPE 3 PIPE IN SUPPORTED **EXCAVATION EXCAVATION** LEGEND: <del>--</del>|- 0.5*D* D - Inside diameter 1 Height of fill is measured from the finished surface to top of pipe. 2 The pipe bed shall be compacted and shaped to receive the bottom 77 3 Pipe culvert frost treatment shall be according to OPSD 803.030

ONTARIO PROVINCIAL STANDARD DRAWING

PRECAST CONCRETE CATCH BASIN

C All dimensions are in metres unless otherwise shown FLEXIBLE PIPE EMBEDMENT AND BACKFILL OPSD 802.010 EARTH EXCAVATION 0D + 7500D + 750-2-15M @ equal spacing -15M OD +500mm long required for pipes greater than 600mm did 1H:12V

ONTARIO PROVINCIAL STANDARD DRAWING

FRONT ELEVATION LEGEND: OD - Outside diameter of pipe

3-15M @ equal spacing

for Construction Projects.

A This OPSD to be read in conjunction with OPSD 3940.150. B If a steel grate is required, refer to OPSD 804.05.

4 Condition of excavation is symmetrical about centreline of pipe.

A Granular material placed in the haunch area shall be compacted

prior to placing and compacting the remainder of the embedment

B Soil types as defined in the Occupational Health and Safety Act and Regulations

C Class of concrete: 30MPa D Cover to reinforcing bars 70mm  $\pm$  20mm. E All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2017 Rev 2 CONCRETE HEADWALL FOR PIPE LESS THAN 900mm DIAMETER OPSD 804.030

SECTION A-A

# **SITE PLAN FOR:**

**HEAVY-DUTY** 

SILT FENCE BARRIER

PIPE IN SUPPORTED

EXCAVATION

Clearance

— Finished surfac

Subgrade

Backfill material

Pipe iside Diameter

900 or less

Over 900

Nov 2014 Rev 3

TYPE 4

SOIL

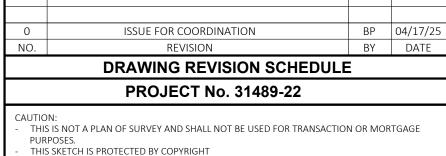
For pipe culvert frost treatment, Note 3

CLEARANCE TABLE

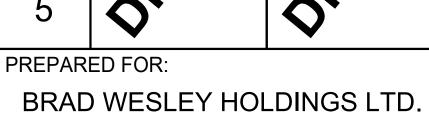
300

500

PROPOSED SELF STORAGE COMPLEX **752065 IDA STREET PART OF LOT 237, CONCESSION 2** SOUTHWEST OF THE TORONTO AND SYDENHAM ROAD **GEOGRAPHIC TOWNSHIP OF PROTON** TOWNSHIP OF SOUTHGATE **COUNTY OF GREY** 









Kitchener/Waterloo Guelph Ph: 519-742-8371 Ph: 519-821-2763 Ph: 519-940-4110 www.vanharten.com info@vanharten.com

CHECKED BY: BP DESIGN BY: BH/BP .:\Proton\Con 2 SWTSR\ACAD\SP.LT.237.BRADWESLEY (31489-22)UTM-2010.dwg

В┕ FRONT VIEW SECTION B-B FRONT VIEW SECTION A-A TYPE A TYPE B Alternate Standard Opening Dimensions Opening Dimensions Heights а Alternate Dimension 2H:1V 670 52 1980 1520 3H:1V 632 71 C 3H:1V 1265 104 1473 1380 4H:1V 1237 118 1473 4H:1V 618 78 6H:1V 1216 65 1346 NOTES: HOR 1200 73 1346 Outlet hole size 525mm max diameter. Where inlet is placed across ditch and is accessible to vehicular traffic, grating slope shall be 6H:1V or flatter. Center reinforcing in wall and base slab ±25mm Lap riser horizontal wires 300mm. Laps shall be placed at corners Granular backfill shall be placed to a minimum thickness of 300mm Grating shall be according to ONTARIO PROVINCIAL STANDARD DRAWING Nov 2019 Rev 4 OPSD 403.010. Pipe support shall be according to OPSD 708.020. PRECAST CONCRETE DITCH INLETS All dimensions are nominal

600 x 1200mm

-900-

Inner Chamber

1800

Profile

Outlet

1800

Maximum Pipe Size = 900 mmØ

Grate reference

-Typ **−150** 

horizonta

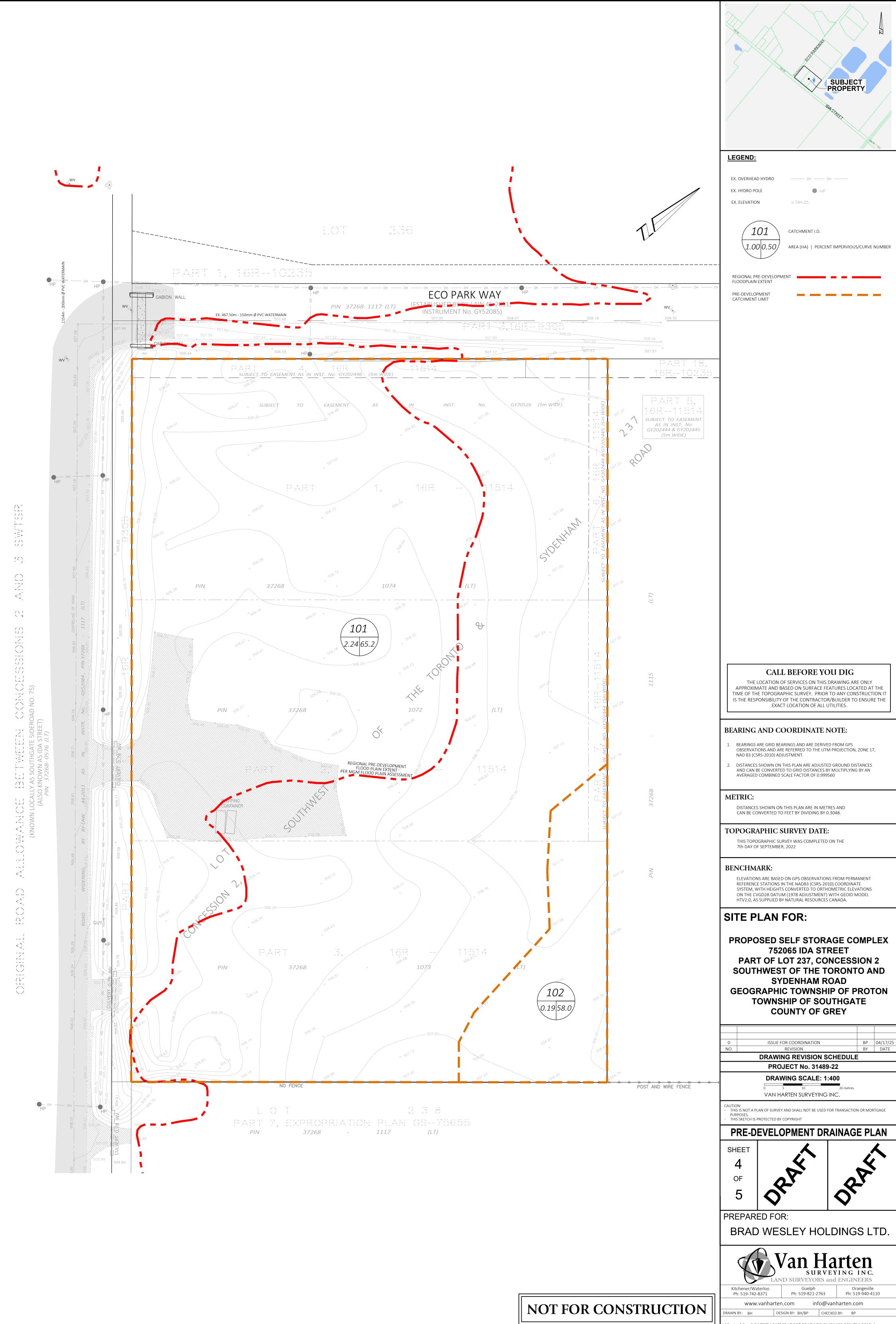
185mm<sup>2</sup>

OPSD 705.040

Inlet

As Required-

HydroStorm HS6 (1800 mmØ)



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