

# KINGS RIDGE

COMMON ELEMENT CONDOMINIUM TOWNHOUSE DEVELOPMENT  
336 KING STREET EAST, CALEDON ON



TOWN OF CALEDON PUBLIC WORKS  
AND ENGINEERING DEPARTMENT  
CRAIG CAMPBELL, C.E.T. DIRECTOR

REGIONAL MUNICIPALITY OF PEEL  
ENVIRONMENTAL, TRANSPORTATION,  
AND PLANNING SERVICES  
MITCH ZAMOJE, COMMISSIONER

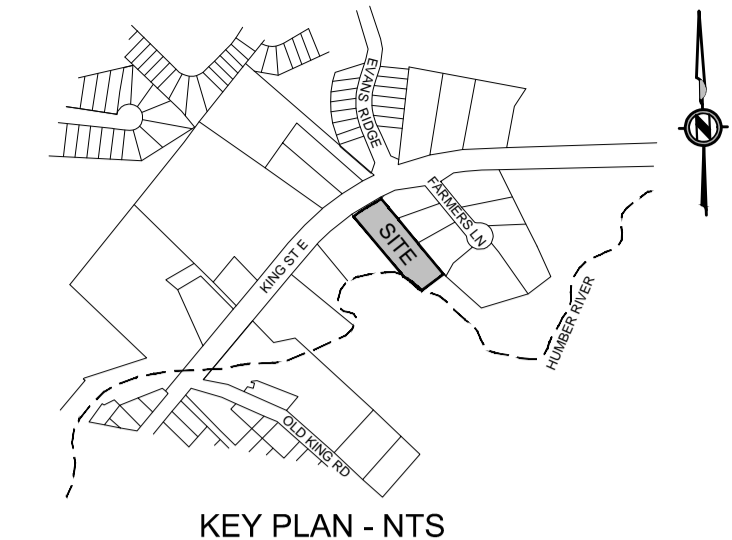


Aplin & Martin Consultants Ltd.  
405 - 55 St. Clair Ave. West, O.N. Canada M4V 2Y7  
Tel: (416) 644-1900, Fax: (416) 644-1889, Email: general@aplinmartin.com

## LIST OF DRAWINGS

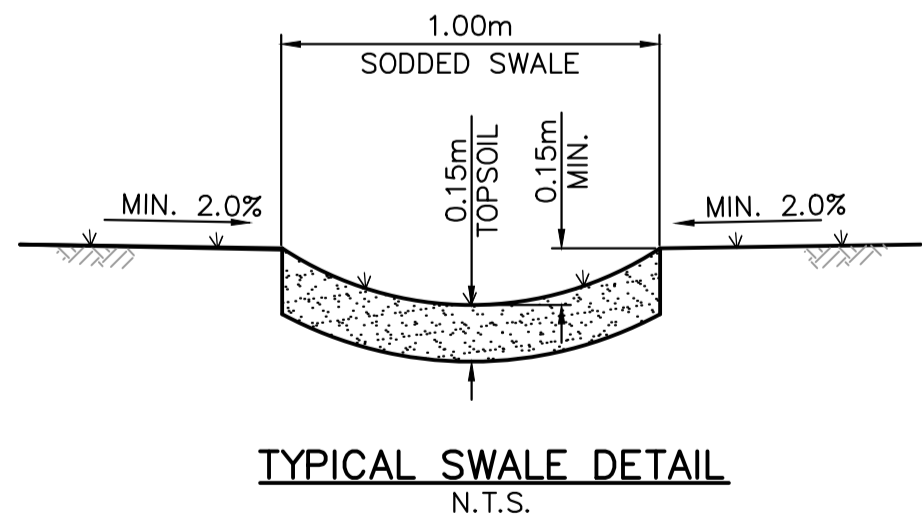
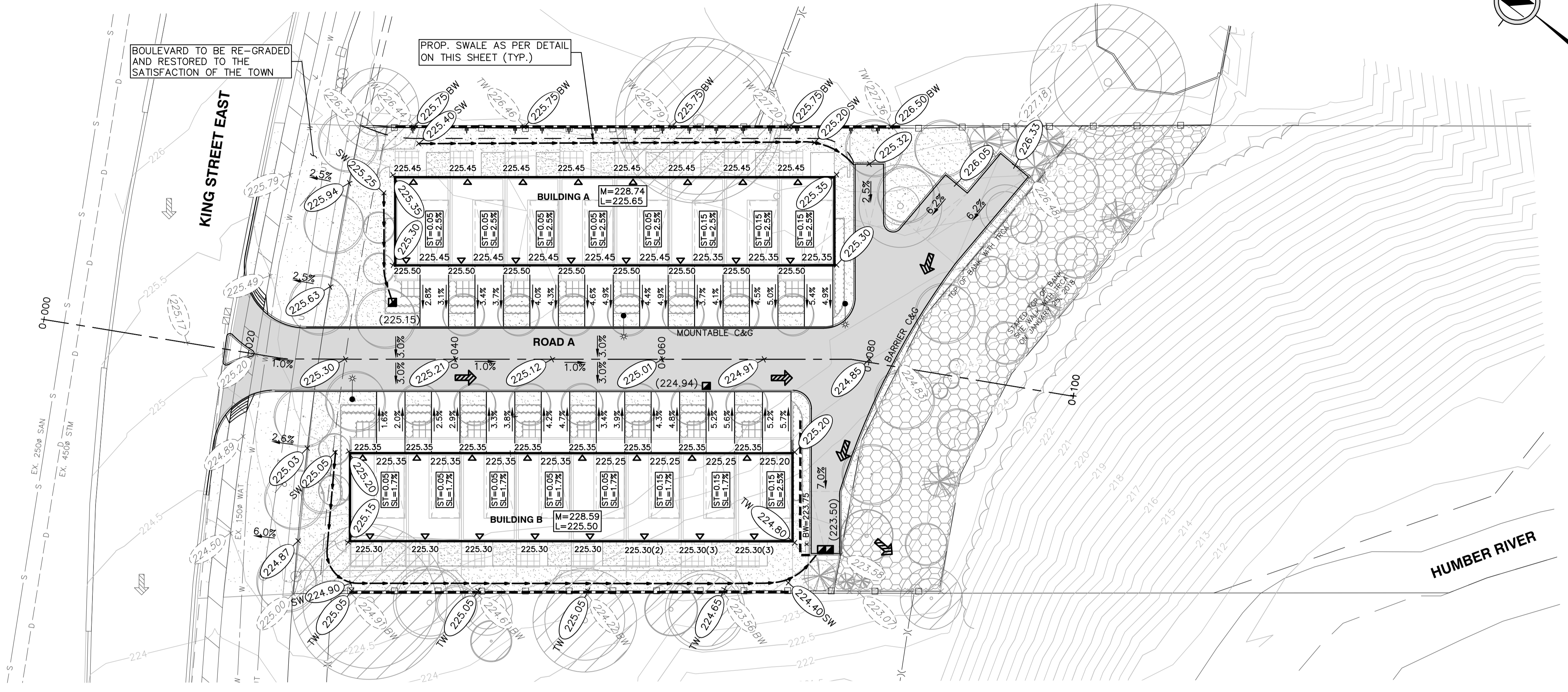
- 17-1419-C01 COVER SHEET
- 17-1419-C02 SITE GRADING PLAN
- 17-1419-C03 SITE SERVICING PLAN
- 17-1419-C04 STORM DETENTION DETAILS
- 17-1419-C05 STORM SEWER & ROAD WORKS ROAD A
- 17-1419-C06 WATERWORKS & SANITARY SEWERS ROAD A
- 17-1419-C06 EROSION AND SEDIMENT CONTROL PLAN
- 17-1419-C08 STANDARD NOTES

336 KING'S RIDGE INC.  
1175 MEYERSIDE DRIVE, SUITE 2  
MISSISSAUGA, ON L5T 1H3

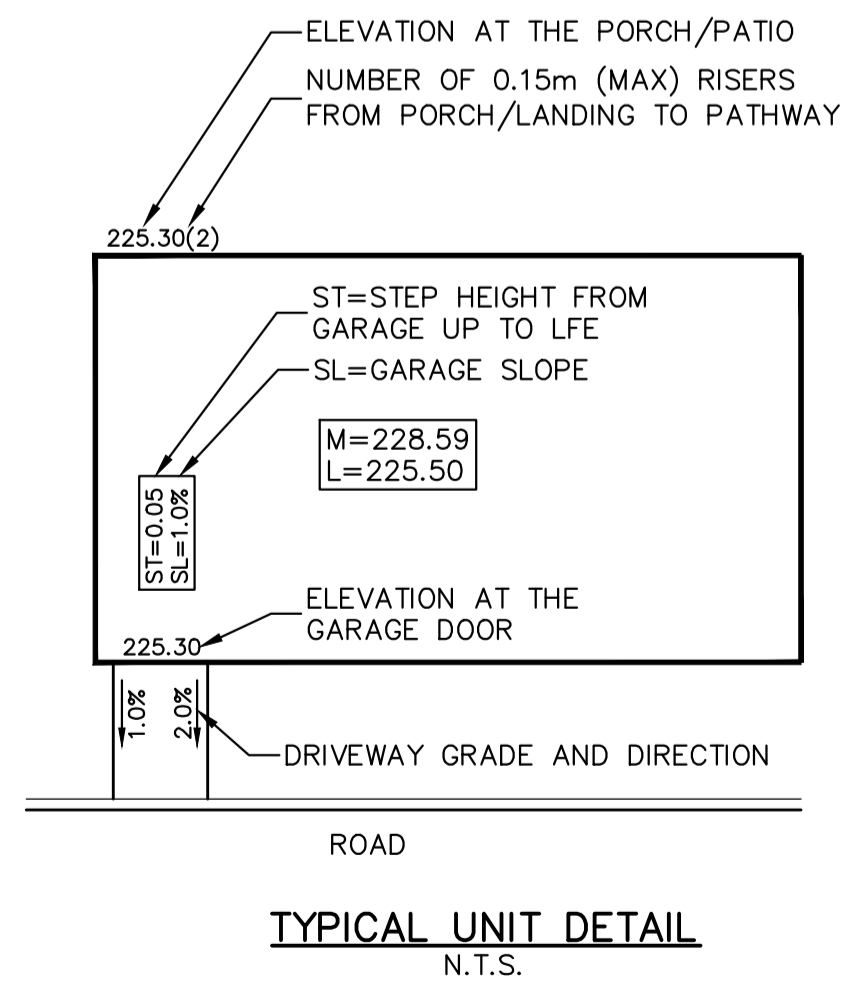
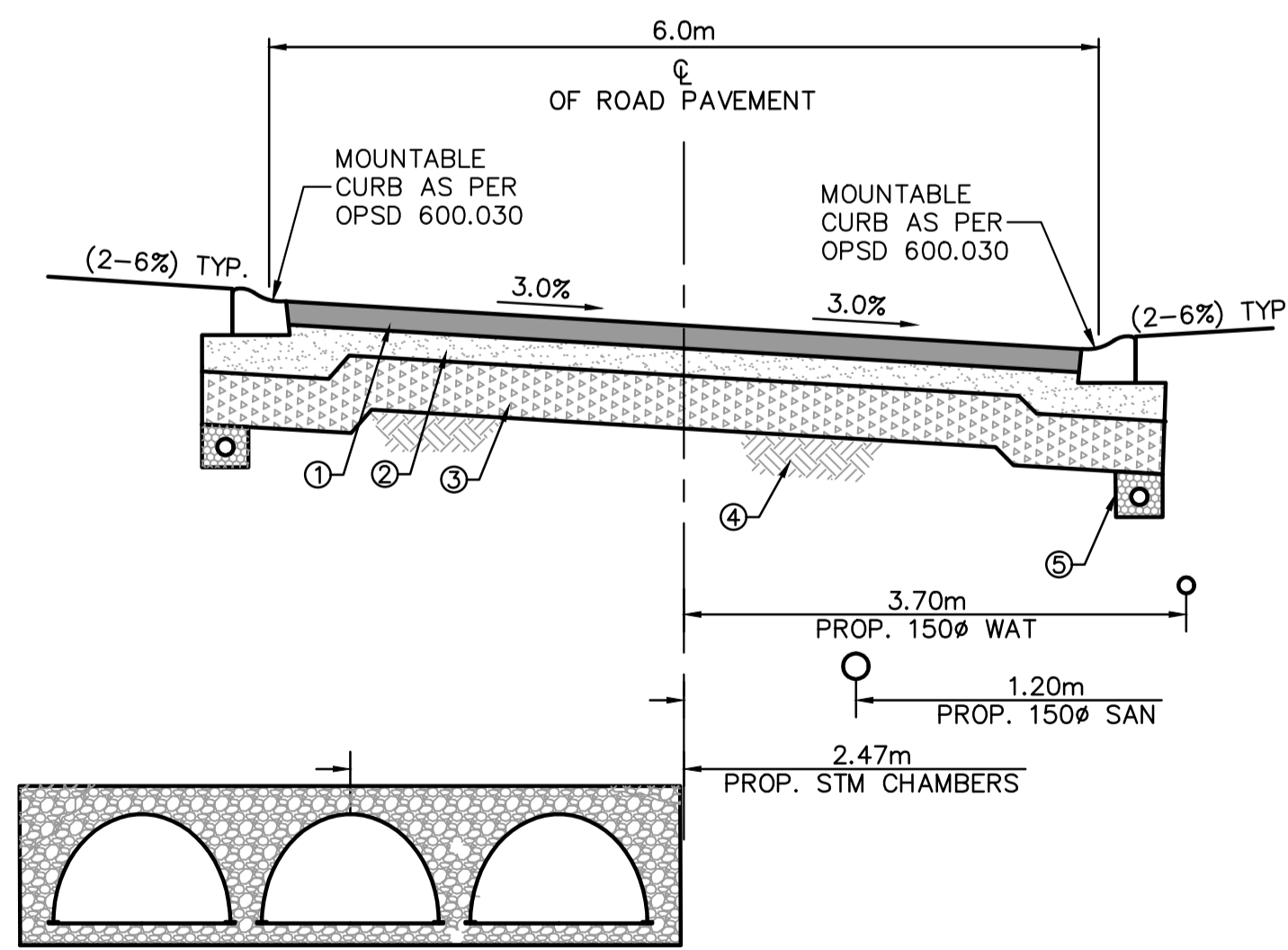


**LEGEND**

EXISTING ELEVATION	+46.44
PROPOSED ELEVATION	+47.95
TOP OF WALL ELEVATION	+47.95 TW
BOTTOM OF WALL ELEVATION	+47.95 BW
PROPOSED SWALE ELEVATION	+47.95 SW
EXISTING GROUND CONTOUR	46.5
M - MAIN FLOOR ELEVATION (m)	M=228.59
L - LOWER FLOOR ELEVATION (m)	L=225.50
ST - GARAGE STEP	ST=0.05
SL - GARAGE SLOPE	SL=1.0%
RETAINING WALL (TO BE DESIGNED BY OTHERS)	2.0%
GRADE	2.0%
ASPHALT	
BARRIER CURB AND GUTTER	
MOUNTABLE CURB AND GUTTER	
TOP OF BANK	
BOTTOM OF BANK	
PROPOSED SWALE	
PROPOSED CATCH BASIN	
PROPOSED DOUBLE CATCH BASIN	
PROPOSED OVERLAND FLOW ROUTE	
EXISTING OVERLAND FLOW ROUTE	
BUILDING ENTRANCE	
STREET LIGHT (BY OTHERS)	
EXISTING TREES TO REMAIN	



- ROAD STRUCTURE: ROAD A**
- MIN. 105mm ASPHALTIC CONCRETE IN TWO LIFTS  
-40mm OF HL3  
-65mm OF HLB
  - MIN. 150mm GRANULAR 'A'
  - MIN. 300mm GRANULAR 'B'
  - APPROVED SUBGRADE OR SUBGRADE FILL AS REQUIRED.
  - 100mmØ SUB-DRAINS AS PER APPROVED TOWN OF CALEDON STANDARD NO.219.
- NOTE:**  
APPROVED SUBGRADE AND ALL BASE MATERIALS TO BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.  
ALL ROADWORKS TO BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL REPORT COMPLETED BY DS CONSULTANTS LTD. DATED MAY 28, 2018.



**BENCHMARK**  
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO FIRST ORDER VERTICAL BENCHMARK NUMBER 00819758057 HAVING AN ORTHOMETRIC ELEVATION OF 251.929 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928/1978).  
BENCHMARK LOCATED ON THE EAST SIDE OF HWY 50, 0.8 KM SOUTH OF JUNCTION OF HWY 50 AND KING ST IN THE TOWN OF CALEDON (BOLTON); 55.2 M NORTH OF ELLWOOD DR AND 104 M EAST OF CENTRELINE OF HWY 50. TABLE IS SET HORIZONTALLY IN WEST FACE OF CONCRETE FOUNDATION OF GYMNASIUM AT ELLWOOD MEMORIAL PUBLIC SCHOOL, 1.7 M NORTH OF S.W. CORNER AND 12 CM BELOW BRICKWORK.

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1	28/09/2018	ISSUED FOR SITE PLAN APPLICATION	ADF	CAB
REV	DATE	DESCRIPTION	BY	APP

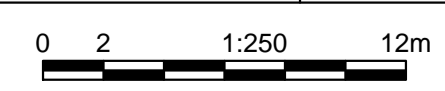
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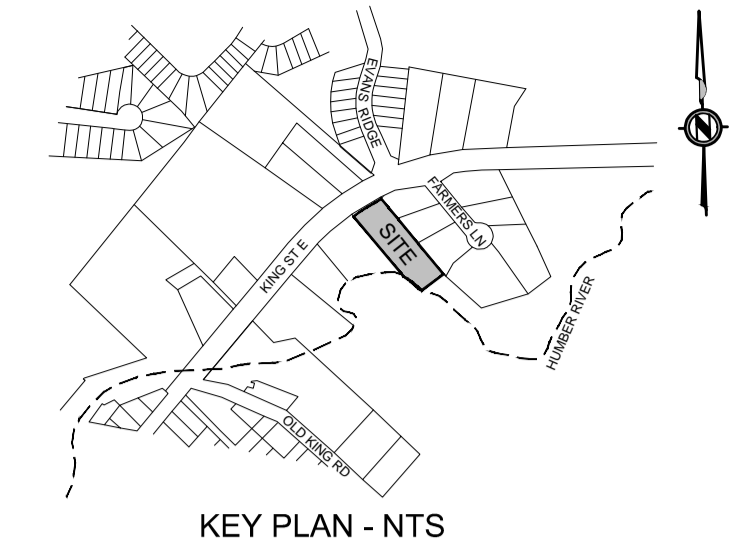
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1175 MEYERSIDE DRIVE, SUITE 2  
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**PROJECT**  
**KINGS RIDGE**  
**COMMON ELEMENT CONDOMINIUM**  
**TOWNHOUSE DEVELOPMENT**  
336 KING STREET EAST, CALEDON ON

**DRAWING TITLE**  
**SITE GRADING PLAN**

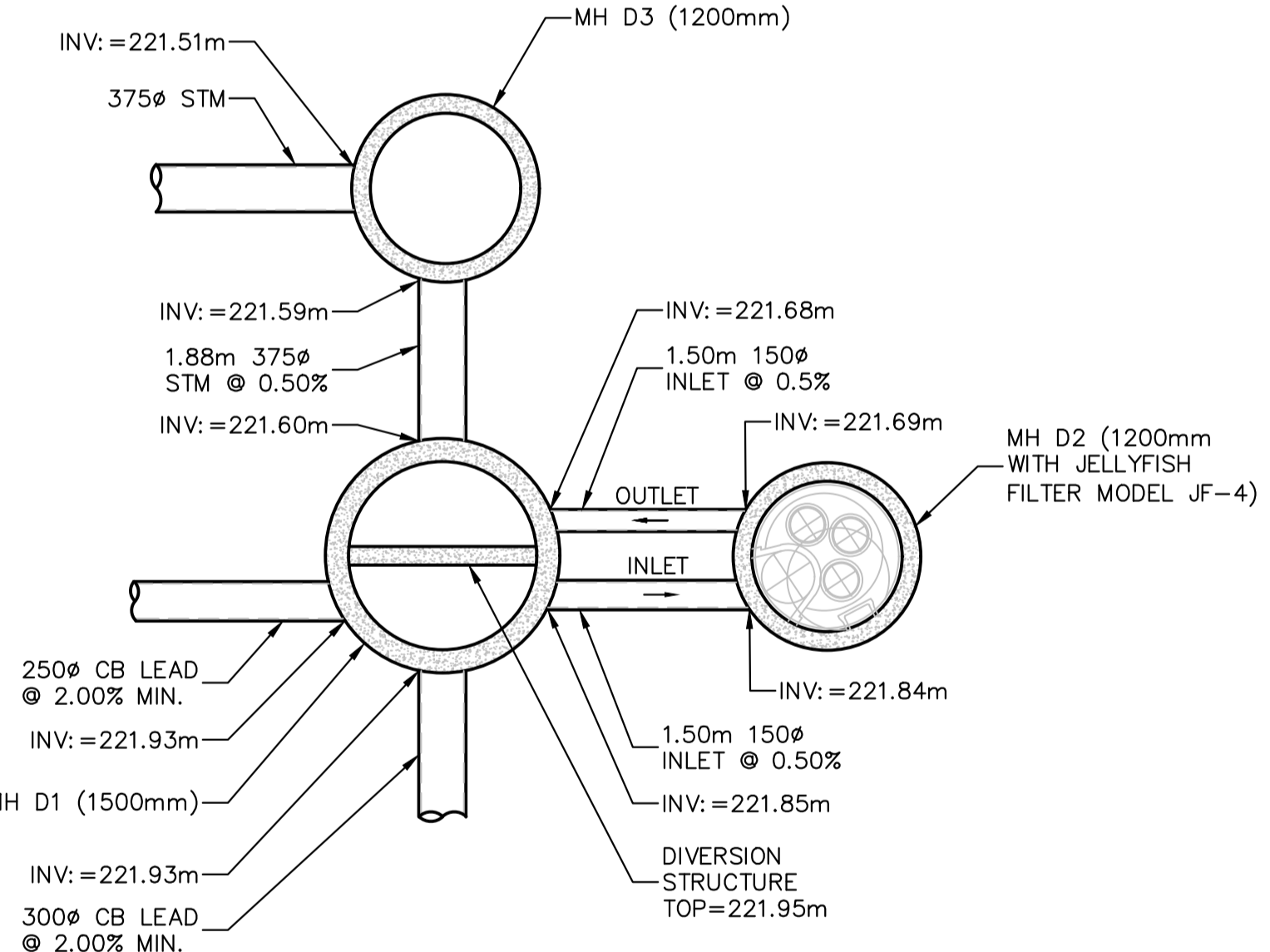
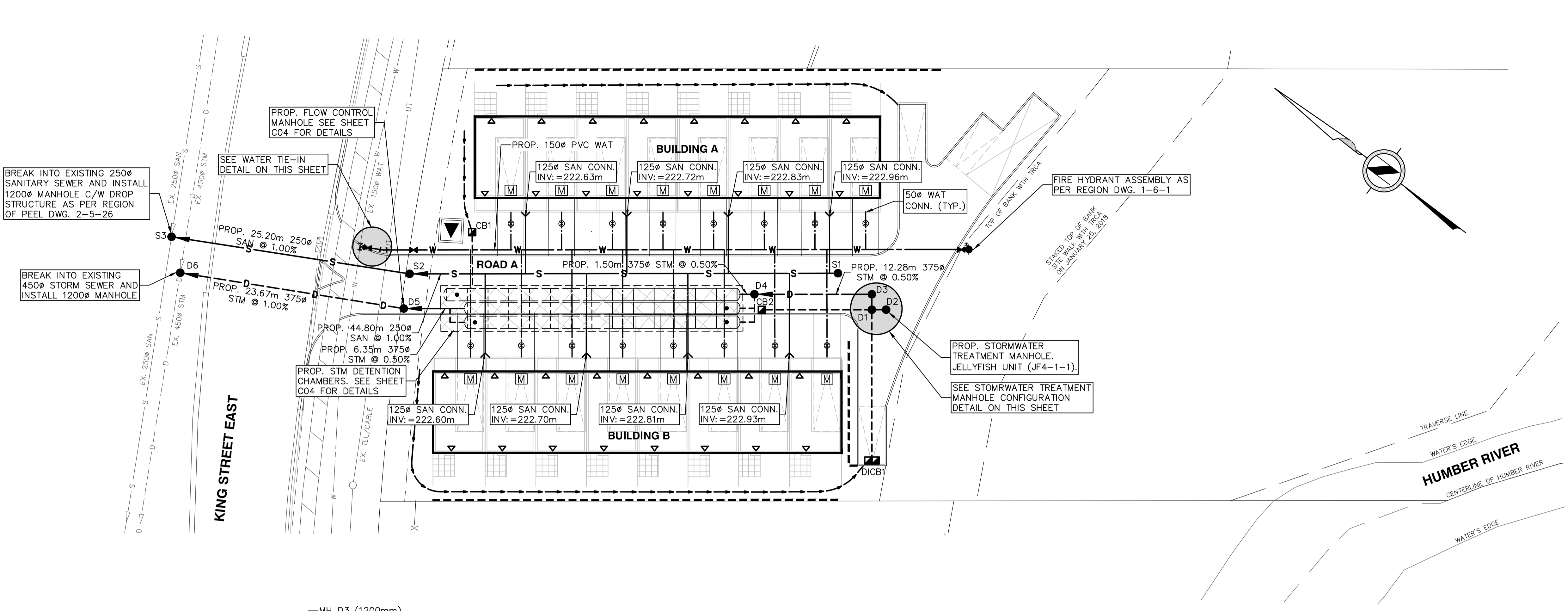
DESIGN ADF	DATE SEPTEMBER, 2018	SCALE 1:250
DRAWN ADF	PROJECT NO. 17-1419	
CHECKED CAB	DRAWING NO. C02	REV. 1
APPROVED CAB		





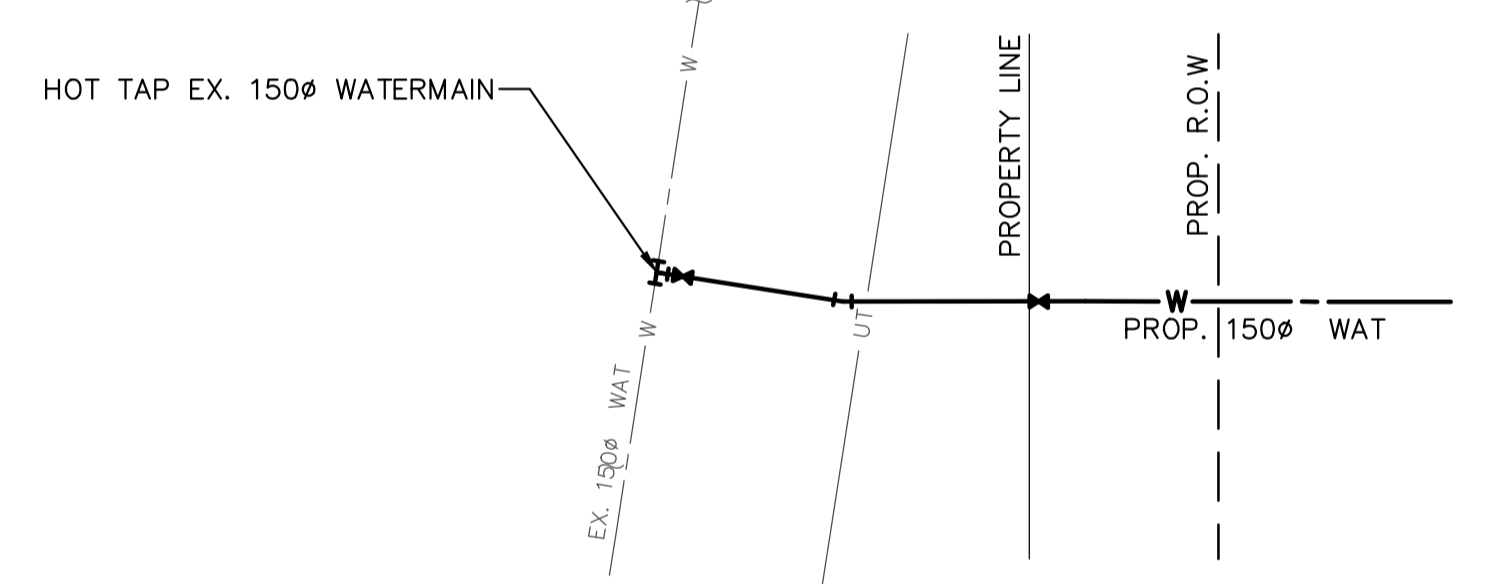
**LEGEND**

PROPERTY LINE	---
EXISTING SANITARY SEWER	-S-
EXISTING STORM SEWER	-D-
EXISTING WATERMAIN	-W-
PROPOSED SANITARY SEWER	-S-
PROPOSED SANITARY SERVICE	-D-
PROPOSED STORM SEWER	-D-
PROPOSED CATCH BASIN LEAD	-S-
PROPOSED WATERMAIN	-W-
PROPOSED WATER SERVICE	-W-
PROPOSED SWALE	-S-
PROPOSED RETAINING WALL	-S-
EXISTING MANHOLE	○
EXISTING CATCH BASIN	□
PROPOSED CATCH BASIN	■
PROPOSED DOUBLE INLET CATCH BASIN	■
PROPOSED MANHOLE	●
WATER METER (INSIDE BUILDING)	M
PROPOSED CURB STOP	⊗
PROPOSED GATE VALVE	⊕
PROPOSED FIRE HYDRANT	⊕
PROPOSED TRANSFORMER	▽



**MH D1, D2 & D3 - STM WATER TREATMENT UNIT AND DIVERSION STRUCTURE DETAIL**  
N.T.S.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWING OF TREATMENT AND CONTROL MANHOLE TO ENGINEER FOR APPROVAL.



**WATER TIE-IN DETAIL**  
SCALE = 1:100

**STORM MANHOLE TABLE**

MH NAME	RIM ELEV.	INVERTS	SIZE	OPSD
D1	RIM=224.63m	SW INV.=221.93m NW INV.=221.93m SE INV.=221.60m NE INV.=221.68m	1500mmø	701.011
D2	RIM=224.59m	NW INV.=221.69m NW INV.=221.84m	1200mmø	JF-4
D3	RIM=224.76m	SW INV.=221.59m NW INV.=221.51m	1200mmø	701.010
D4	RIM=224.94m	SE INV.=221.45m NW INV.=221.42m SW INV.=221.80m	1200mmø	701.010
D5	RIM=225.18m	SE INV.=221.32m NW INV.=221.29m	1200mmø	701.010
D6	RIM=225.66m	SE INV.=221.05m SW INV.=220.95m NE INV.=220.95m	1200mmø	701.010

**SANITARY MANHOLE TABLE**

MH NAME	RIM ELEV.	INVERTS	SIZE	PEEL REGION
S1	RIM=224.92m	NW INV.=222.63m	1200mmø	2-5-3
S2	RIM=225.30m	SE INV.=222.18m NW INV.=222.13m	1200mmø	2-5-3
S3	RIM=225.66m	SE INV.=221.88m SW INV.=220.85m NE INV.=220.85m	1200mmø	2-5-3

**CATCH BASIN TABLE**

CB NAME	RIM ELEV.	INVERTS	SIZE	OPSD
CB1	RIM=225.15m	SW INV.=223.75m	600x600mm	705.010
CB2	RIM=224.94m	SE INV.=222.15m	600x600mm	705.010
DICB1	RIM=223.50m	NE INV.=222.25m	600x600mm	705.020

**BENCHMARK**

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DESIGN ADF	DATE SEPTEMBER, 2018	SCALE 1:250
DRAWN ADF	PROJECT NO. 17-1419	
CHECKED CAB	DRAWING NO. C03	REV. 1
APPROVED CAB		

1	28/09/2018	ISSUED FOR SITE PLAN APPLICATION	ADF	CAB
REV	DATE	DESCRIPTION	BY	APP

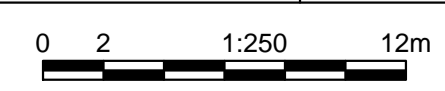
PLAN OF SURVEY AND PARTIAL TOPOGRAPHY OF PART OF LOT 8 CONCESSION 7 (GEOGRAPHIC TOWNSHIP OF ALBION) TOWN OF CALEDON, REGIONAL MUNICIPALITY OF PEEL  
LEGAL DESCRIPTION  
SEE BELOW  
ENGINEER STAMP BENCHMARK

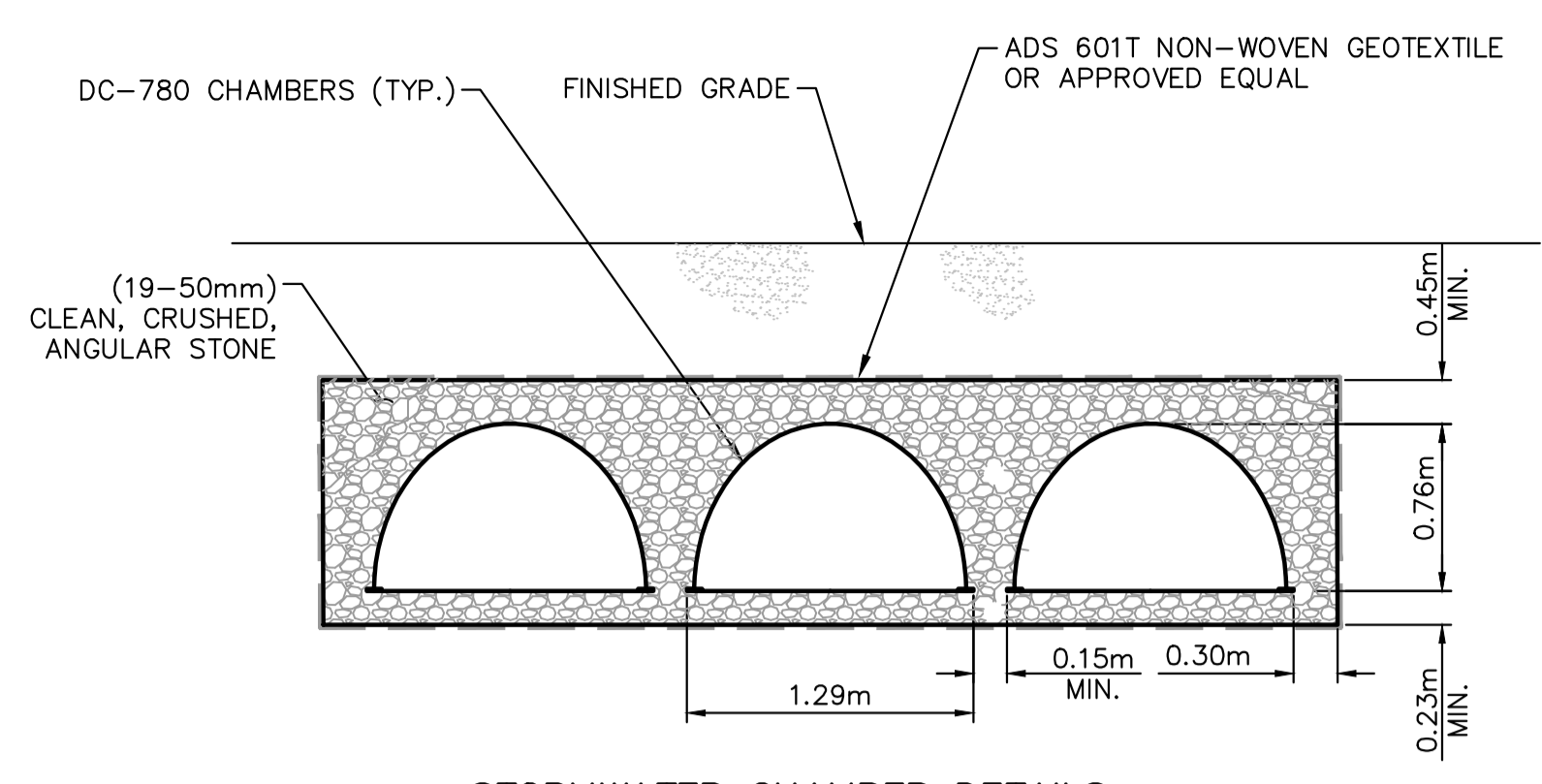
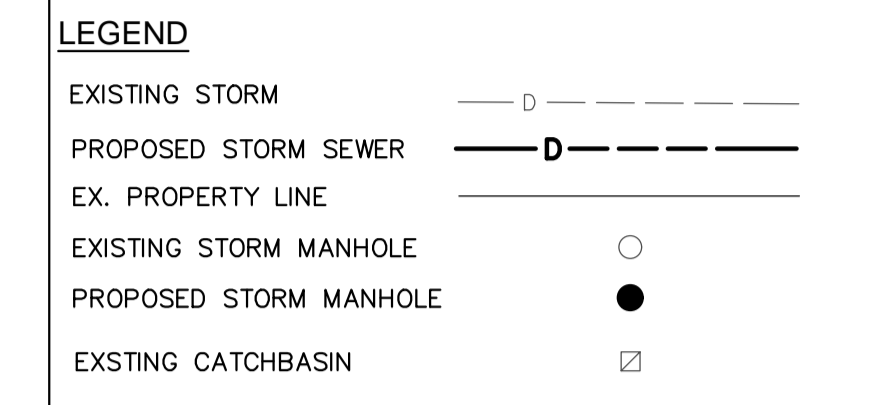
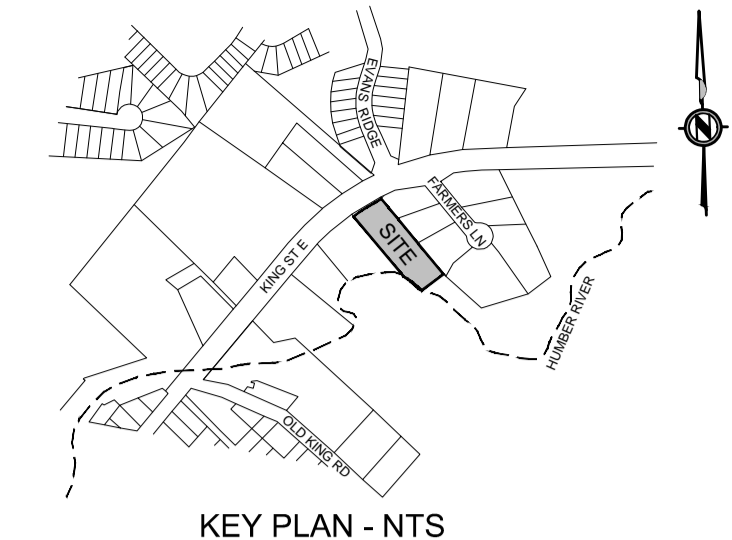
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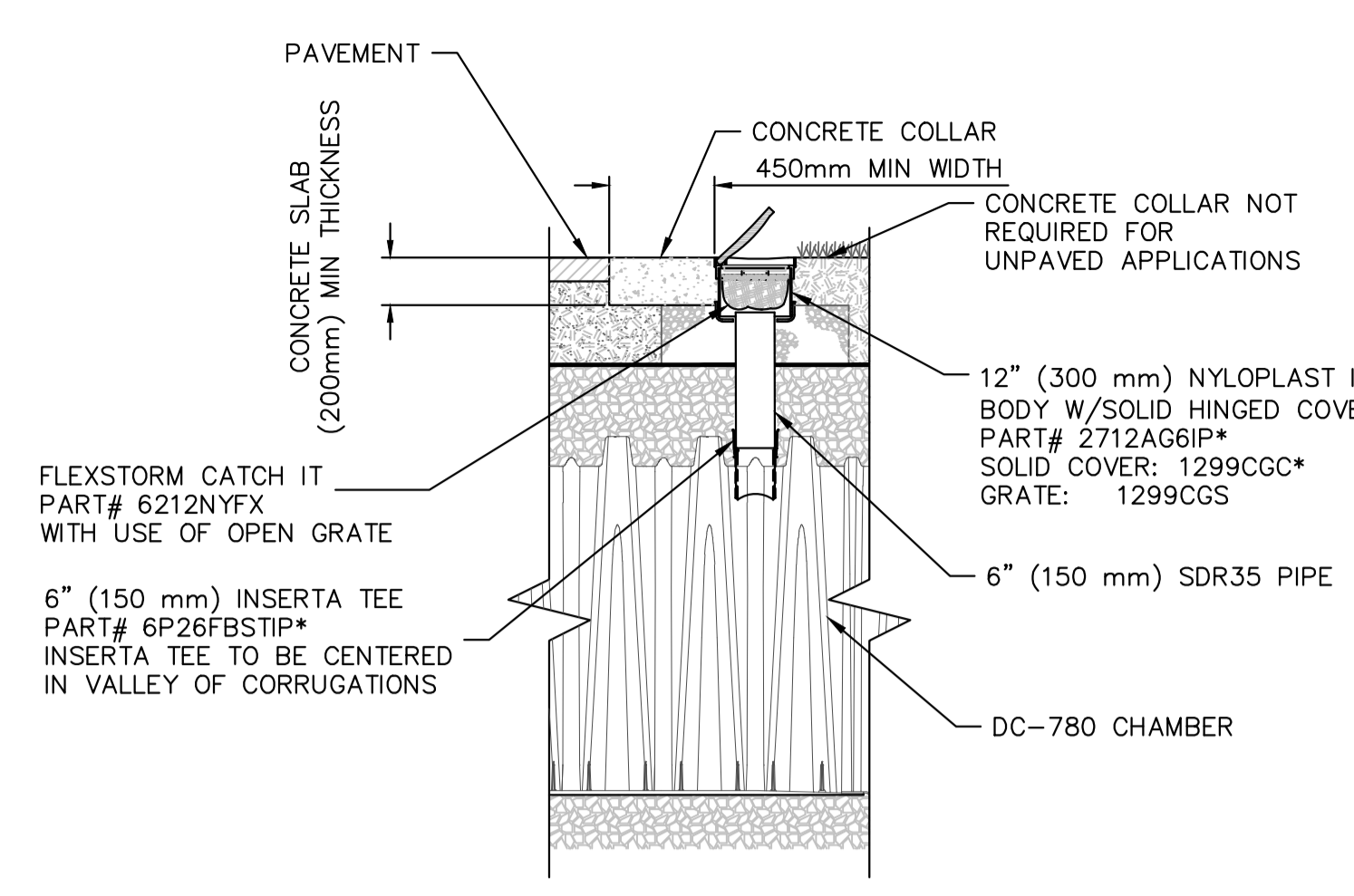
PROJECT  
**KINGS RIDGE COMMON ELEMENT CONDOMINIUM TOWNHOUSE DEVELOPMENT**  
336 KING STREET EAST, CALEDON ON

DRAWING TITLE  
**SITE SERVICING PLAN**





**STORMWATER CHAMBER DETAILS  
DC-780  
N.T.S.**



**INSPECTION PORT DETAIL  
N.T.S.**

**INSPECTION & MAINTENANCE**

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A) INSPECTION PORTS (IF PRESENT)
- A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2
- IF NOT, PROCEED TO STEP 3.
- B) ALL ISOLATOR ROWS
- B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A) FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
  - B) APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
  - C) VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

**DETENTION TANK NOTES:**

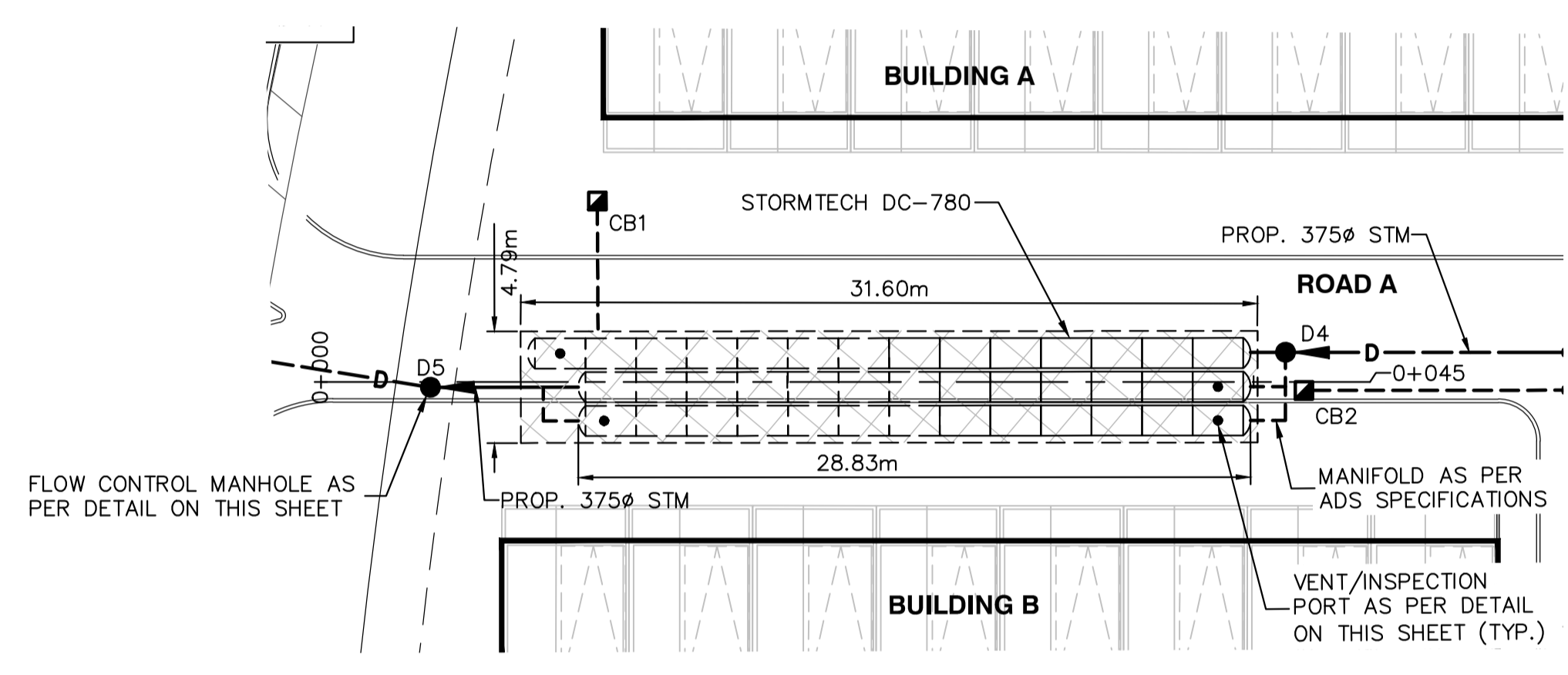
1. STORMTECH MODULES TO BE SUPPLIED BY: ADVANCED DRAINAGE SYSTEM (ADS) VIVEK SHARMA (647-463-9803)
2. CONTRACTOR TO CONTACT SUPPLIER AFTER AWARD TO MAKE ARRANGEMENTS FOR SUPPLY AND DELIVERY OF PRODUCT.
3. MINIMUM COVER OVER DETENTION TANK TO BE 0.45m.
4. ALL ELEVATIONS SHOWN ARE GEODETIC AND IN METERS.

**NOTES**

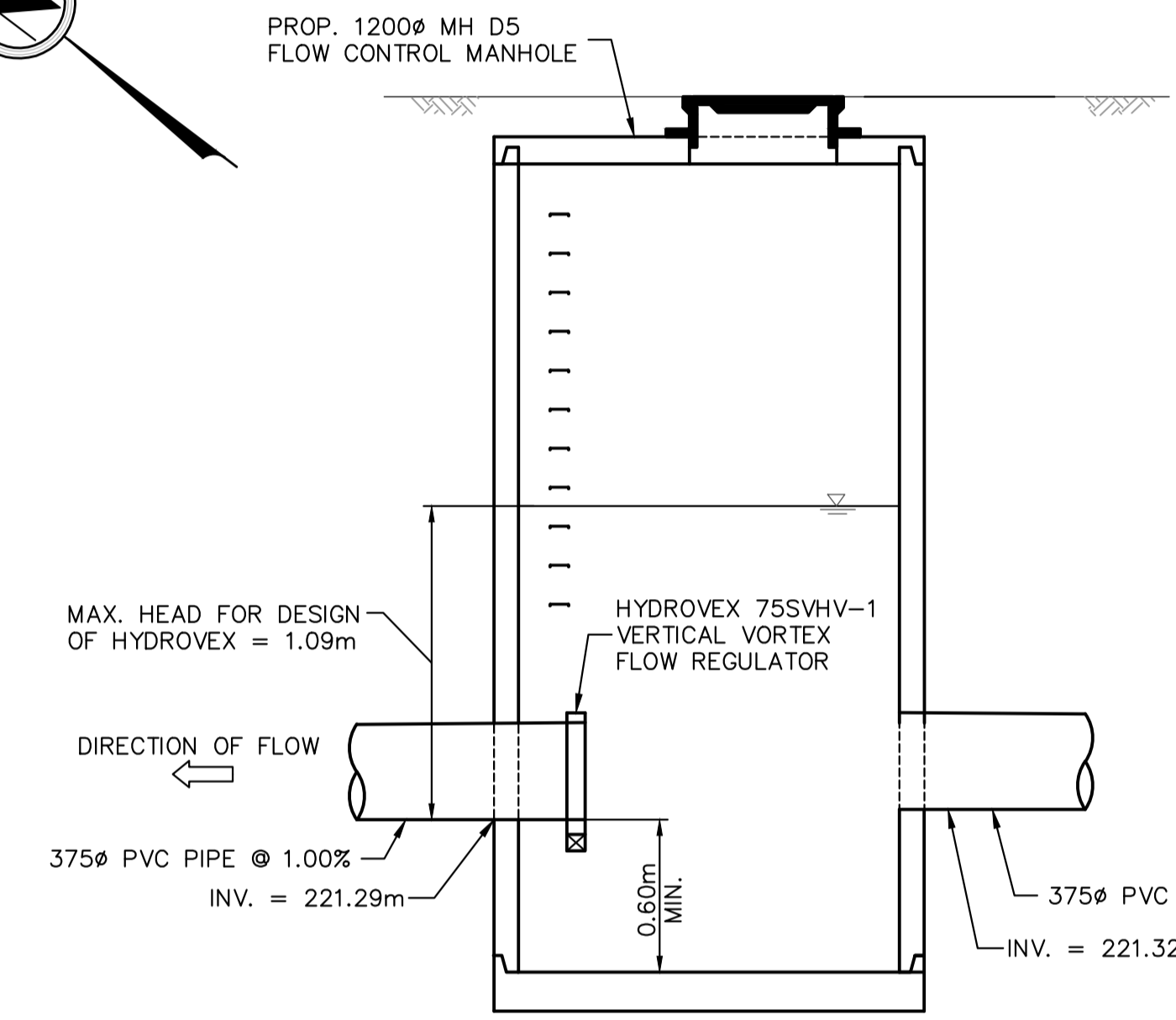
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

**STORMWATER DETENTION NOTES:**

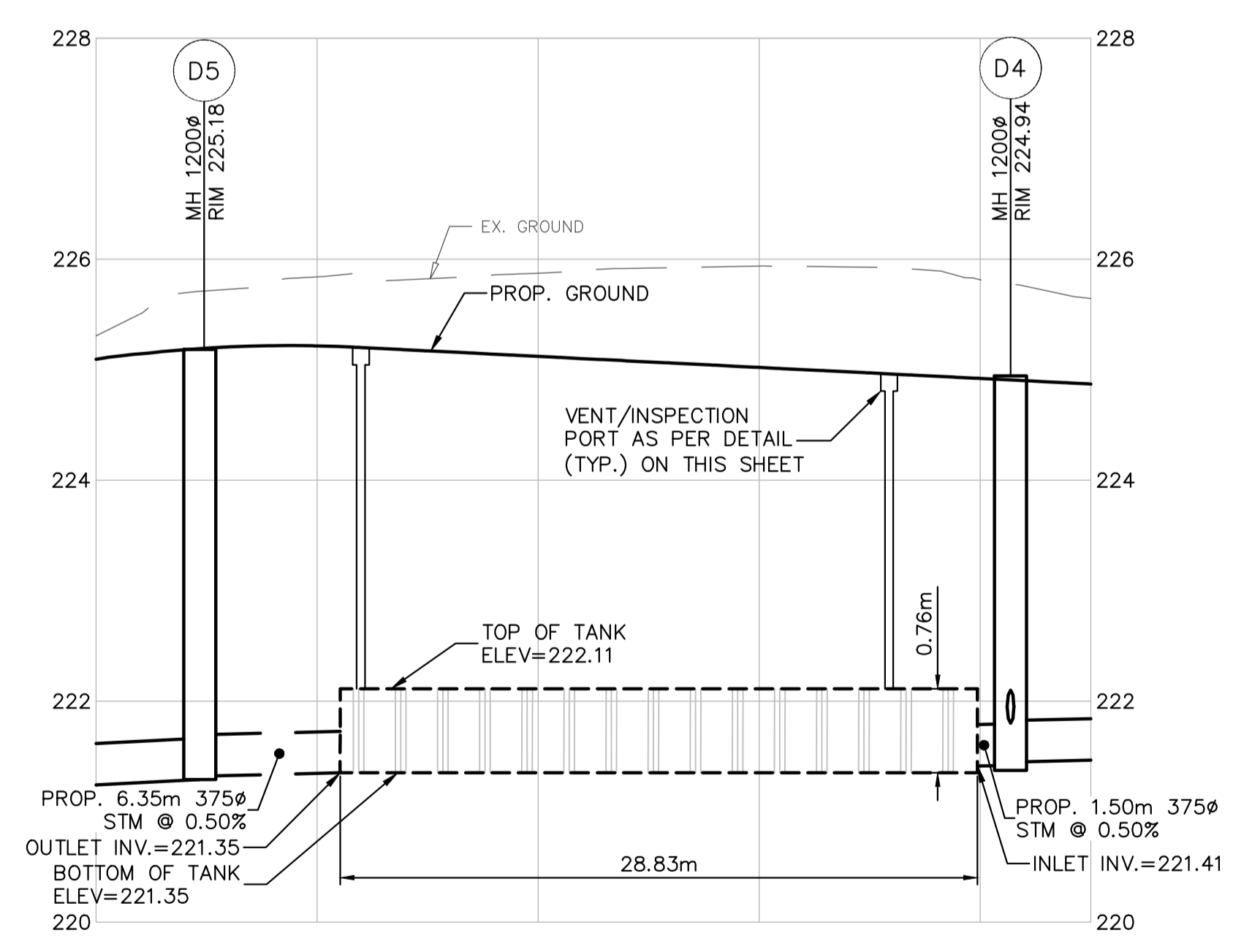
- PARAMETERS: BASED ON ONSITE DESIGN REQUIREMENTS:
- MIN. REQUIRED STORAGE VOLUME: **91.73m<sup>3</sup>**
- PROVIDED STORAGE:
1. STORMWATER TANK STORAGE VOLUME = **52.05m<sup>3</sup>**
  2. STORAGE VOLUME PROVIDED BY GRAVEL SURROUND = **54.27m<sup>3</sup>** (ASSUMING 0.4 VOID RATIO)
  3. TOTAL STORAGE PROVIDED = **106.32m<sup>3</sup>**



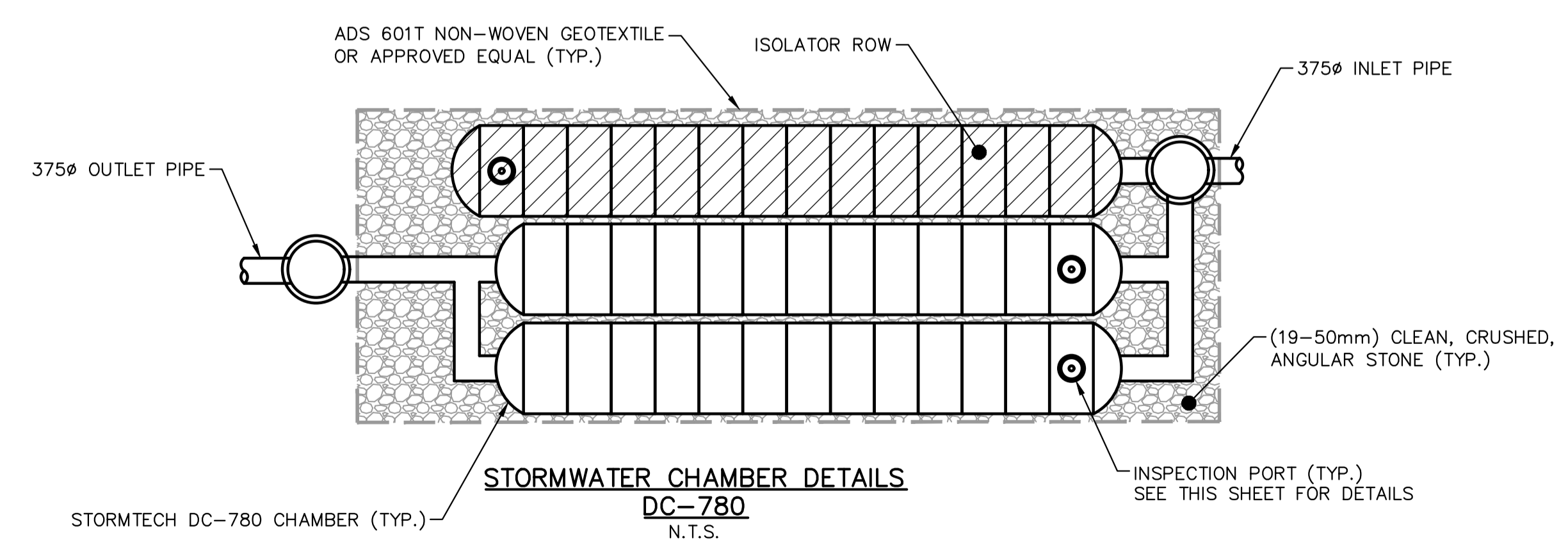
**MODULE LAYOUT PLAN-DETENTION TANK  
SCALE: 1:250**



**FLOW CONTROL MANHOLE D5 DETAIL  
N.T.S.**



**DETENTION TANK DETAIL  
SCALE:  
H: 1:250  
V: 1:50**



**STORMWATER CHAMBER DETAILS  
DC-780  
N.T.S.**

CHAINAGE	0+000	0+010	0+020	0+030	0+040	0+045

**CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS OF FLOW CONTROL MANHOLE, INTERNAL COMPONENTS AND DETENTION TANK FOR APPROVAL BY THE ENGINEER OF RECORD**

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LEGAL DESCRIPTION  
SEE BELOW  
BENCHMARK



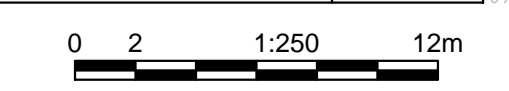
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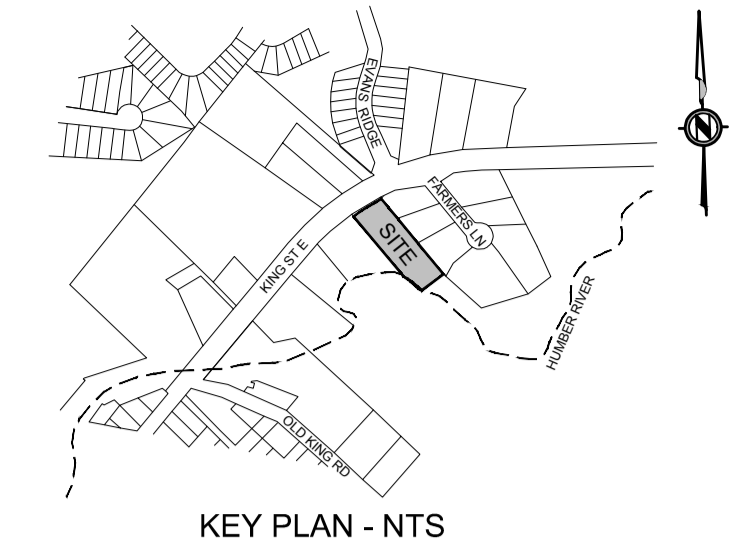
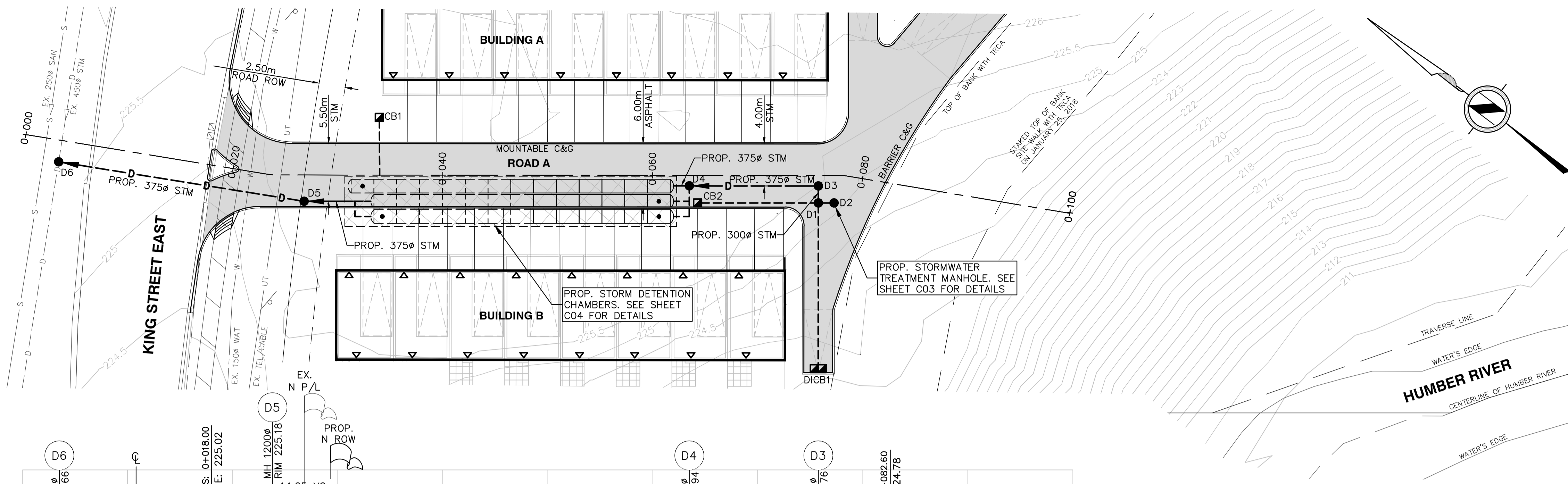
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336 KING STREET EAST, CALEDON ON

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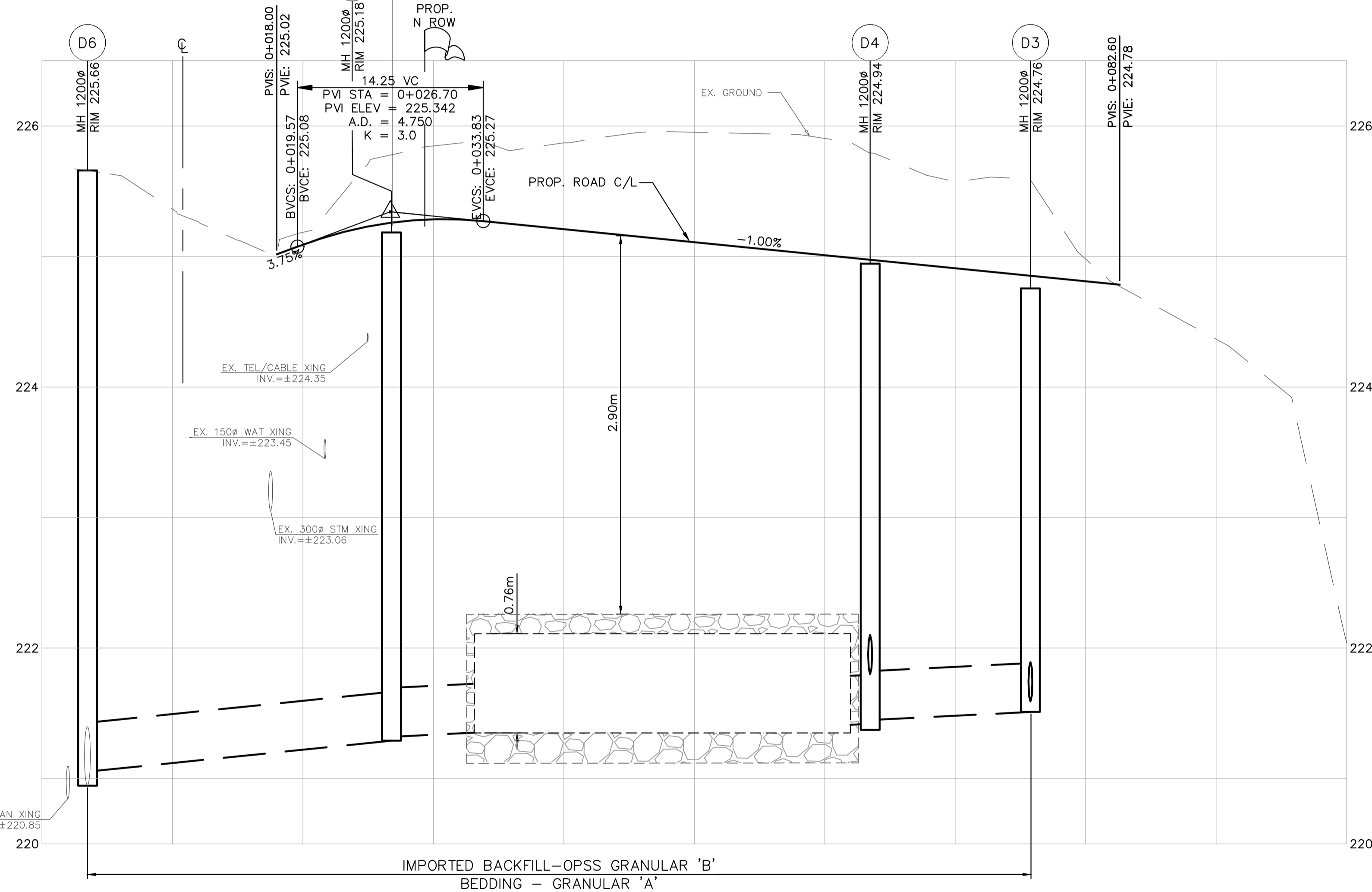
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ADF	17-1419	
CHECKED CAB	DRAWING NO.	REV.
CAB	<b>C04</b>	<b>1</b>
APPROVED CAB		





**LEGEND**

PROPERTY LINE	---
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EXISTING STORM SEWER	— D —
EXISTING WATERMAIN	— W —
PROPOSED STORM SEWER	— D —
PROPOSED CATCH BASIN LEAD	— D —
EXISTING MANHOLE	○
EXISTING CATCH BASIN	□
PROPOSED CATCH BASIN	■
PROPOSED DOUBLE INLET CATCH BASIN	■
PROPOSED MANHOLE	●
ASPHALT	▨
BARRIER CURB AND GUTTER	▬
MOUNTABLE CURB AND GUTTER	▬



SEE SHEET C02 FOR TYPICAL ROAD SECTION.

**STORM MANHOLE TABLE**

MH NAME	RIM ELEV.	INVERTS	SIZE	OPSD
D1	RIM=224.63m	SW INV.=221.93m NW INV.=221.93m NE INV.=221.60m SE INV.=221.68m SW INV.=221.85m	1500mmØ	701.011
D2	RIM=224.59m	NW INV.=221.69m NW INV.=221.84m	1200mmØ	JF-4
D3	RIM=224.76m	SW INV.=221.59m NW INV.=221.51m	1200mmØ	701.010
D4	RIM=224.94m	SE INV.=221.45m NW INV.=221.42m SW INV.=221.80m	1200mmØ	701.010
D5	RIM=225.18m	SE INV.=221.32m NW INV.=221.29m	1200mmØ	701.010
D6	RIM=225.66m	SE INV.=221.05m SW INV.=220.95m NE INV.=220.95m	1200mmØ	701.010

**CATCH BASIN TABLE**

CB NAME	RIM ELEV.	INVERTS	SIZE	OPSD
CB1	RIM=225.15m	SW INV.=223.75m	600x600mm	705.010
CB2	RIM=224.94m	SE INV.=222.15m	600x600mm	705.010
DICB1	RIM=223.50m	NE INV.=222.25m	600x600mm	705.020

REV	DATE	DESCRIPTION	BY	APP
1	28/09/2018	ISSUED FOR SITE PLAN APPLICATION	ADF	CAB

PLAN OF SURVEY AND PARTIAL TOPOGRAPHY OF PART OF LOT 8 CONCESSION 7 (GEOGRAPHIC TOWNSHIP OF ALBION) TOWN OF CALEDON, REGIONAL MUNICIPALITY OF PEEL  
LEGAL DESCRIPTION

SEE BELOW  
BENCHMARK



Aplin & Martin Consultants Ltd.  
405 - 55 St. Clair Ave. West, O.N. Canada M4V 2Y7  
Tel: (416) 644-1900, Fax: (416) 644-1889, Email: general@aplinmartin.com

CLIENT  
**336 KINGS RIDGE INC.**  
1175 MEYERSIDE DRIVE, SUITE 2  
MISSISSAUGA, ON L5T 1H3

PROJECT  
**KINGS RIDGE  
COMMON ELEMENT CONDOMINIUM  
TOWNHOUSE DEVELOPMENT**  
336 KING STREET EAST, CALEDON ON

DRAWING TITLE  
**STORM SEWER & ROAD WORKS  
ROAD A**

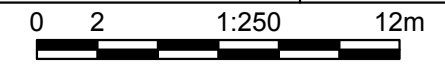
CENTRELINE ROAD ELEVATIONS	EXISTING	PROPOSED
0+000	220.85	220.85
0+003.49	220.95	220.95
0+020	225.18	225.09
0+026.80	221.32	221.29
0+040	225.01	225.01
0+060	224.98	224.81
0+075.80	221.51	221.51
0+100	222.04	222.04

**BENCHMARK**  
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BENCHMARK LOCATED ON THE EAST SIDE OF HWY 50, 0.8 KM SOUTH OF JUNCTION OF HWY 50 AND KING ST IN THE TOWN OF CALEDON (BOLTON); 05.2 M NORTH OF ELLWOOD DR AND 104 M EAST OF CENTRELIN OF HWY 50. TABLE IS SET HORIZONTALLY IN WEST FACE OF CONCRETE FOUNDATION OF GYMNASIUM AT ELLWOOD MEMORIAL PUBLIC SCHOOL, 1.7 M NORTH OF S.W. CORNER AND 12 CM BELOW BRICKWORK.

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**NOTICE TO CONTRACTOR**  
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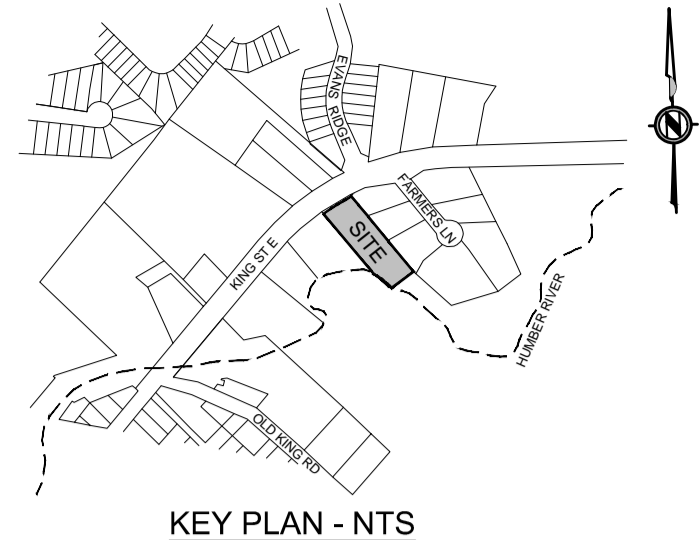
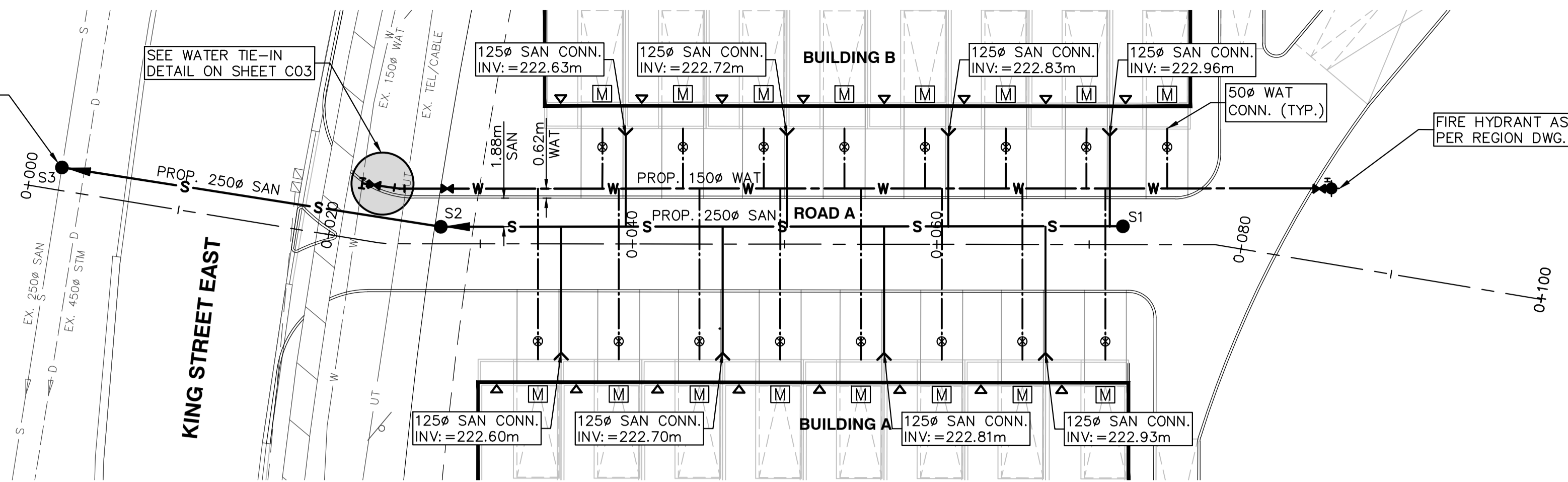
DESIGN ADF	DATE SEPTEMBER, 2018	SCALE H: 1:250 V: 1:25
DRAWN ADF	PROJECT NO. 17-1419	
CHECKED CAB	DRAWING NO. C05	REV. 1
APPROVED CAB		



BREAK INTO EXISTING 250 $\phi$  SANITARY SEWER AND INSTALL 1200 $\phi$  MANHOLE C/W DROP STRUCTURE AS PER REGION OF PEEL DWG. 2-5-26

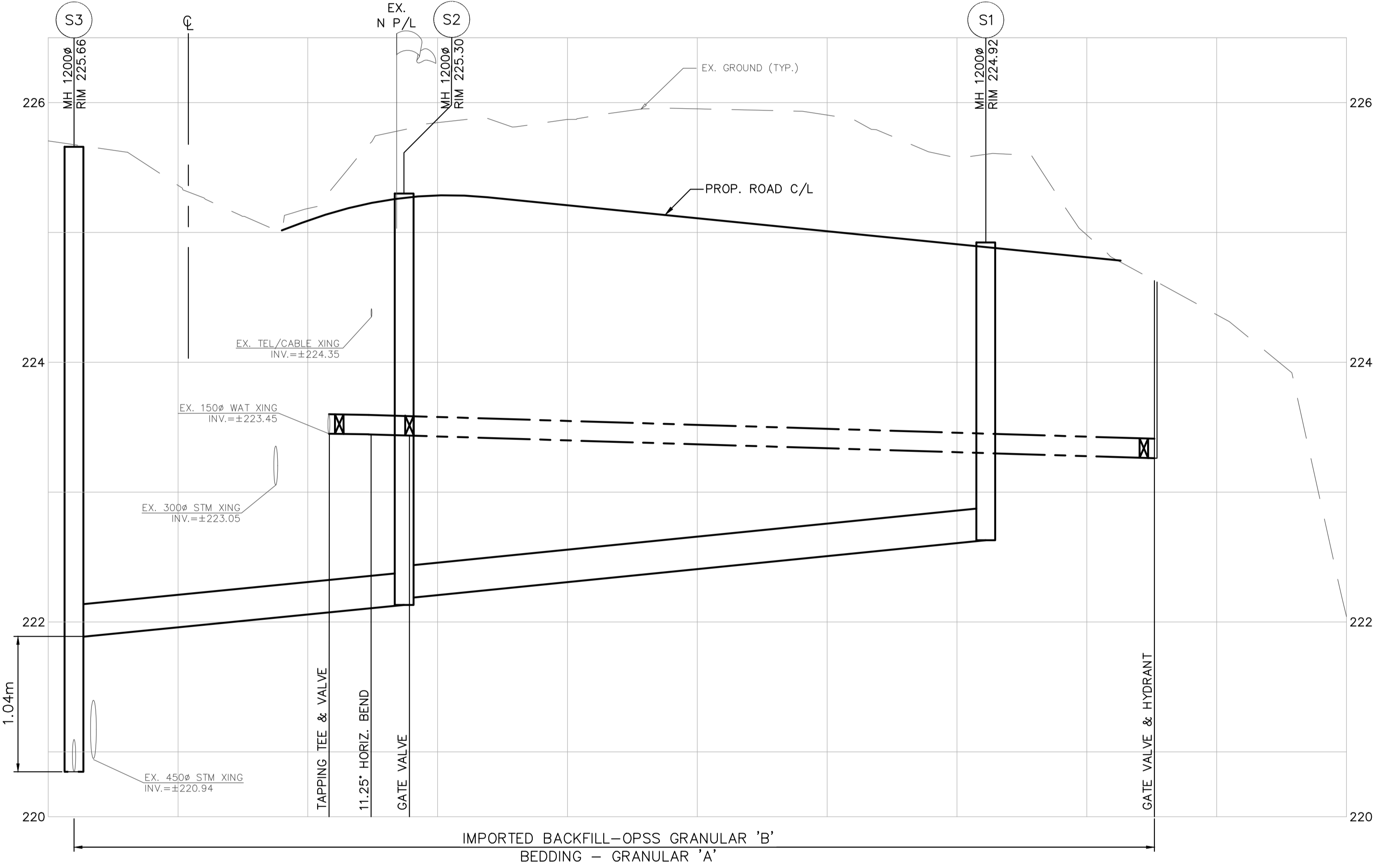
SEE WATER TIE-IN DETAIL ON SHEET C03

FIRE HYDRANT ASSEMBLY AS PER REGION DWG. 1-6-1



**LEGEND**

PROPERTY LINE	---
EXISTING SANITARY SEWER	— S —
EXISTING STORM SEWER	— D —
EXISTING WATERMAIN	— W —
PROPOSED SANITARY SEWER	— S —
PROPOSED SANITARY SERVICE	— S —
PROPOSED WATERMAIN	— W —
PROPOSED WATER SERVICE	— W —
PROPOSED MANHOLE	●
EXISTING MANHOLE	○
EXISTING CATCH BASIN	⊠
PROPOSED CURB STOP	⊗
PROPOSED GATE VALVE	⊕
PROPOSED FIRE HYDRANT	◆
WATER METER (INSIDE BUILDING)	M



CHAINAGE	WATERMAIN LENGTH, SIZE, TYPE AND INVERT ELEVATIONS	SANITARY LENGTH, SIZE, TYPE AND INVERT ELEVATIONS
0+000		
0+001.99		220.85 SW 220.85 NE
0+020		
0+021.62		
0+022.42		
0+024.96		
0+027.42		222.18 SE
0+027.82		222.13 NW
0+040		
0+060		
0+072.22		222.63 NW
0+080		
0+085.20		
0+100		

REV	DATE	DESCRIPTION	BY	APP
1	28/09/2018	ISSUED FOR SITE PLAN APPLICATION	ADF	CAB

PLAN OF SURVEY AND PARTIAL TOPOGRAPHY OF PART OF LOT 8 CONVESSION 7 (GEOGRAPHIC TOWNSHIP OF ALBION) TOWN OF CALEDON, REGIONAL MUNICIPALITY OF PEEL  
LEGAL DESCRIPTION  
SEE BELOW  
ENGINEER STAMP BENCHMARK



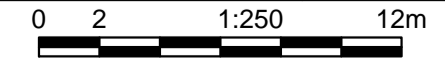
Aplin & Martin Consultants Ltd.  
405 - 55 St. Clair Ave. West, O.N. Canada M4V 2Y7  
Tel: (416) 644-1900, Fax: (416) 644-1889, Email: general@aplinmartin.com

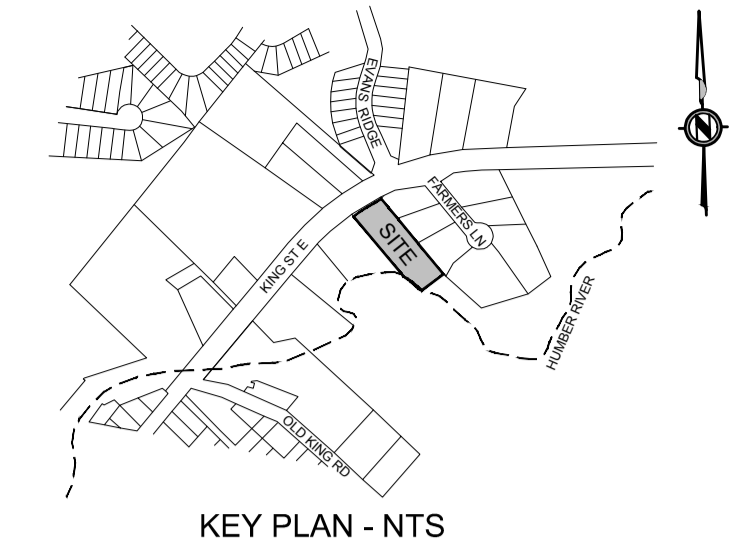
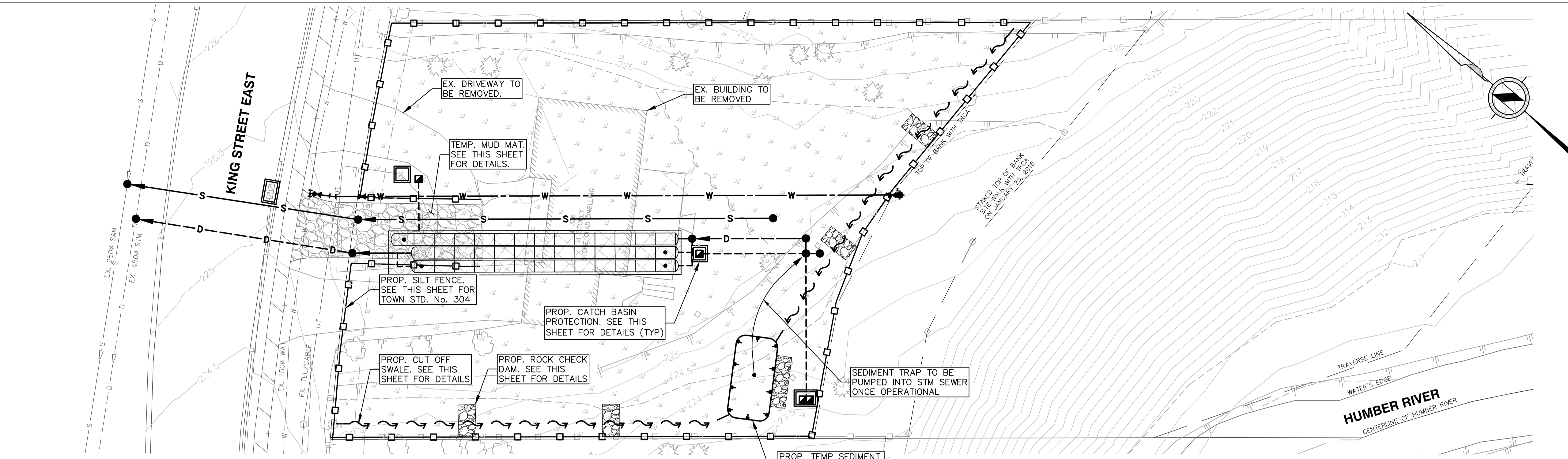
CLIENT  
**336 KINGS RIDGE INC.**  
1175 MEYERSIDE DRIVE, SUITE 2  
MISSISSAUGA, ON L5T 1H3

PROJECT  
**KINGS RIDGE  
COMMON ELEMENT CONDOMINIUM  
TOWNHOUSE DEVELOPMENT**  
336 KING STREET EAST, CALEDON ON

DRAWING TITLE  
**WATERWORKS & SANITARY SEWERS  
ROAD A**

BENCHMARK ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO FIRST ORDER VERTICAL BENCHMARK NUMBER 00819758057 HAVING AN ORTHOMETRIC ELEVATION OF 251.929 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928:1978). BENCHMARK LOCATED ON THE EAST SIDE OF HWY 50, 0.8 KM SOUTH OF JUNCTION OF HWY 50 AND KING ST IN THE TOWN OF CALEDON (BOLTON), 55.2 M NORTH OF ELLWOOD DR AND 104 M EAST OF CENTRELINE OF HWY 50. TABLE IS SET HORIZONTALLY IN WEST FACE OF CONCRETE FOUNDATION OF GYMNASIUM AT ELLWOOD MEMORIAL PUBLIC SCHOOL, 1.7 M NORTH OF S.W. CORNER AND 12 CM BELOW BRICKWORK.	COPYRIGHT RESERVED THE COPYRIGHTS TO ALL DESIGNS AND DRAWINGS ARE THE PROPERTY OF APLIN & MARTIN CONSULTANTS LTD. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY APLIN & MARTIN CONSULTANTS LTD. IS PROHIBITED. <b>NOTICE TO CONTRACTOR</b> IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SURVEYOR TO VERIFY THAT ALL LEGAL SURVEY DIMENSIONS SHOWN ON THE ENGINEERS DRAWINGS AGREE WITH THOSE ON THE REGISTERED LEGAL SURVEY PLAN. SHOULD THERE BE ANY DISCREPANCIES, THEN IMMEDIATELY NOTIFY THE ENGINEER OF RECORD	THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY & HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	DESIGN ADF DATE SEPTEMBER, 2018 SCALE H: 1:250 V: 1:25 DRAWN ADF PROJECT NO. 17-1419 CHECKED CAB DRAWING NO. C06 REV. 1 APPROVED CAB
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**LEGEND**

- TEMP. MUD MAT
- SILT FENCE
- CUT OFF SWALE
- EXISTING CONTOURS
- INLET CONTROL FOR PROP. CATCH BASINS
- INLET CONTROL FOR EX. CATCH BASINS
- ROCK CHECK DAM (15m SPACING TYP.)
- DISTURBED GROUND TO BE COVERED WITH STRAW

**EROSION AND SEDIMENT CONTROL**

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED OR REPLACED WITHIN 48 HOURS OF INSPECTION OR BOTH.
2. ALL DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
3. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS 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 PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS AND A TORONTO REGION CONSERVATION AUTHORITY ENFORCEMENT OFFICE SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
4. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELLING AND MAINTENANCE AND REFUELLING WILL BE CONDUCTED A MINIMUM OF 30 M FROM THE WATER.

**STAGE 3 BUILDING CONSTRUCTION PHASE**

1. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT FACILITIES ONCE EVERY 7 DAYS AND PRIOR TO THE ONSET OF A SIGNIFICANT RAINFALL.
2. CATCH BASINS SHALL BE CLEANED A MINIMUM OF ONCE EVERY 7 DAYS.
3. INTERNAL AND EXTERNAL ROADS SHALL BE SWEEP AS REQUIRED.

**DECOMMISSIONING**

1. ALL CATCH BASIN SEDIMENT TRAPS SHALL BE REMOVED AFTER CONSTRUCTION WORKS HAVE BEEN COMPLETED.
2. ANY POINTS OF ENTRY OTHER THAN THE PROPOSED DRIVEWAYS SHALL BE REMOVED AND AREA REINSTATED AS PER THE DESIGN DRAWINGS AFTER CONSTRUCTION WORKS HAVE BEEN COMPLETED.
3. ALL SILT FENCES AND TREE PROTECTION FENCING SHALL BE REMOVED AFTER CONSTRUCTION WORKS HAVE BEEN COMPLETED.

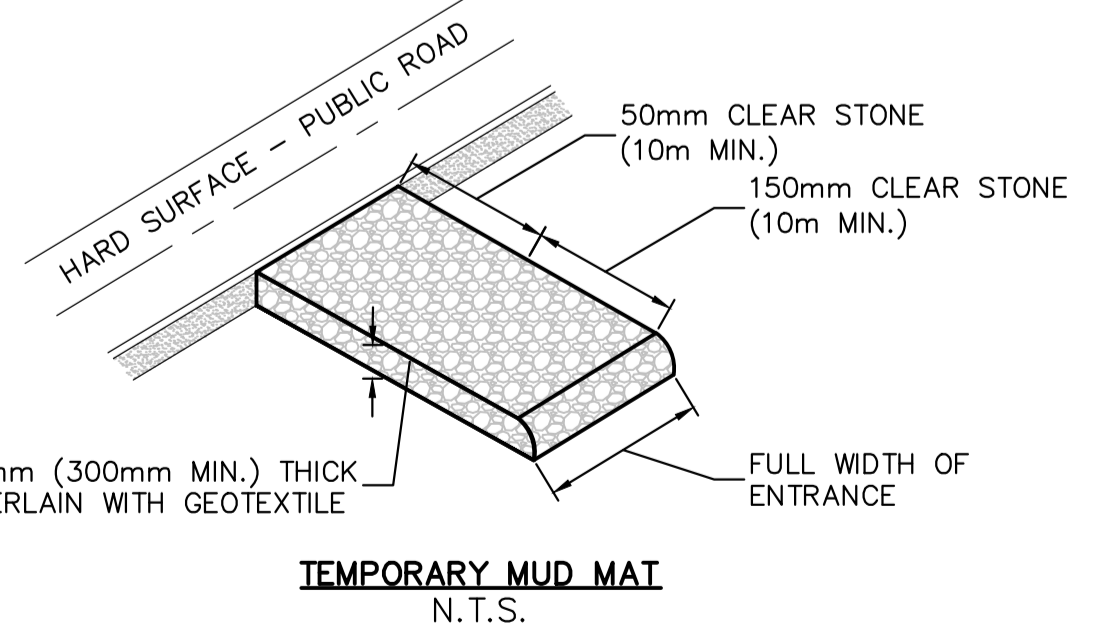
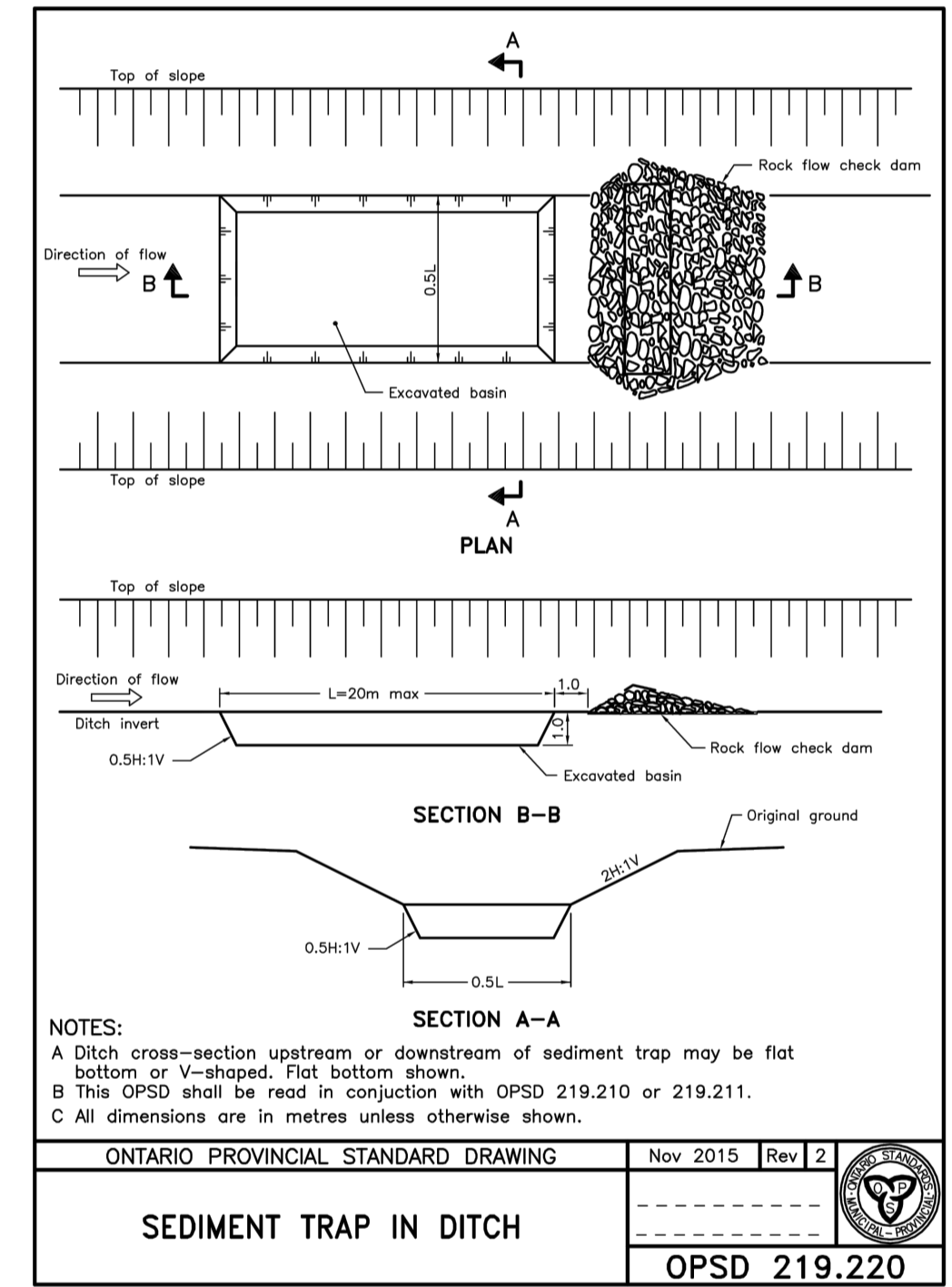
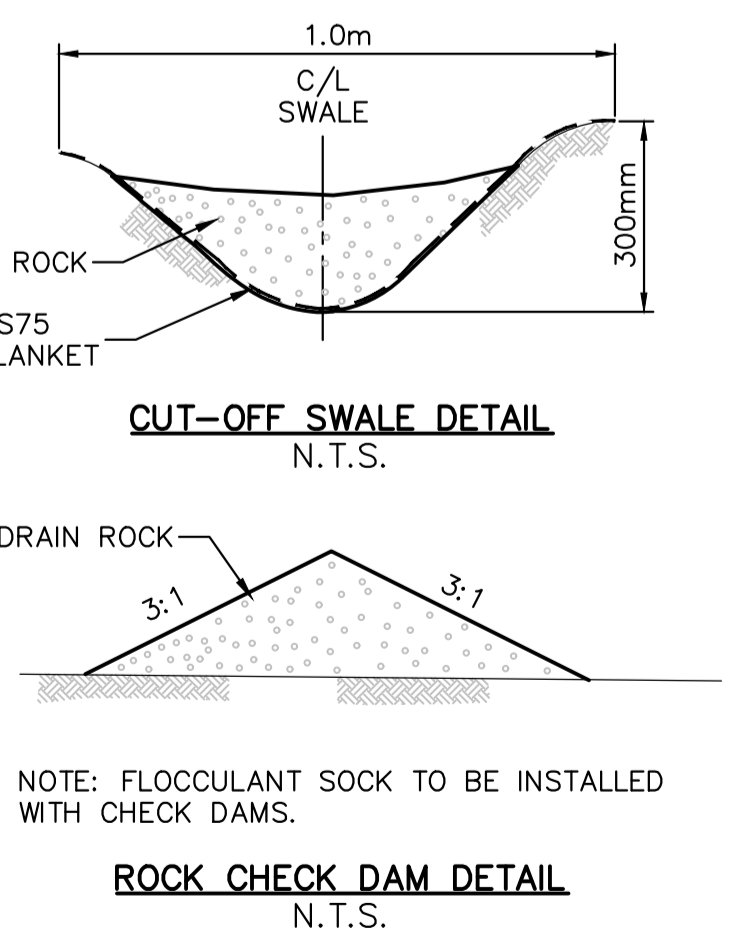
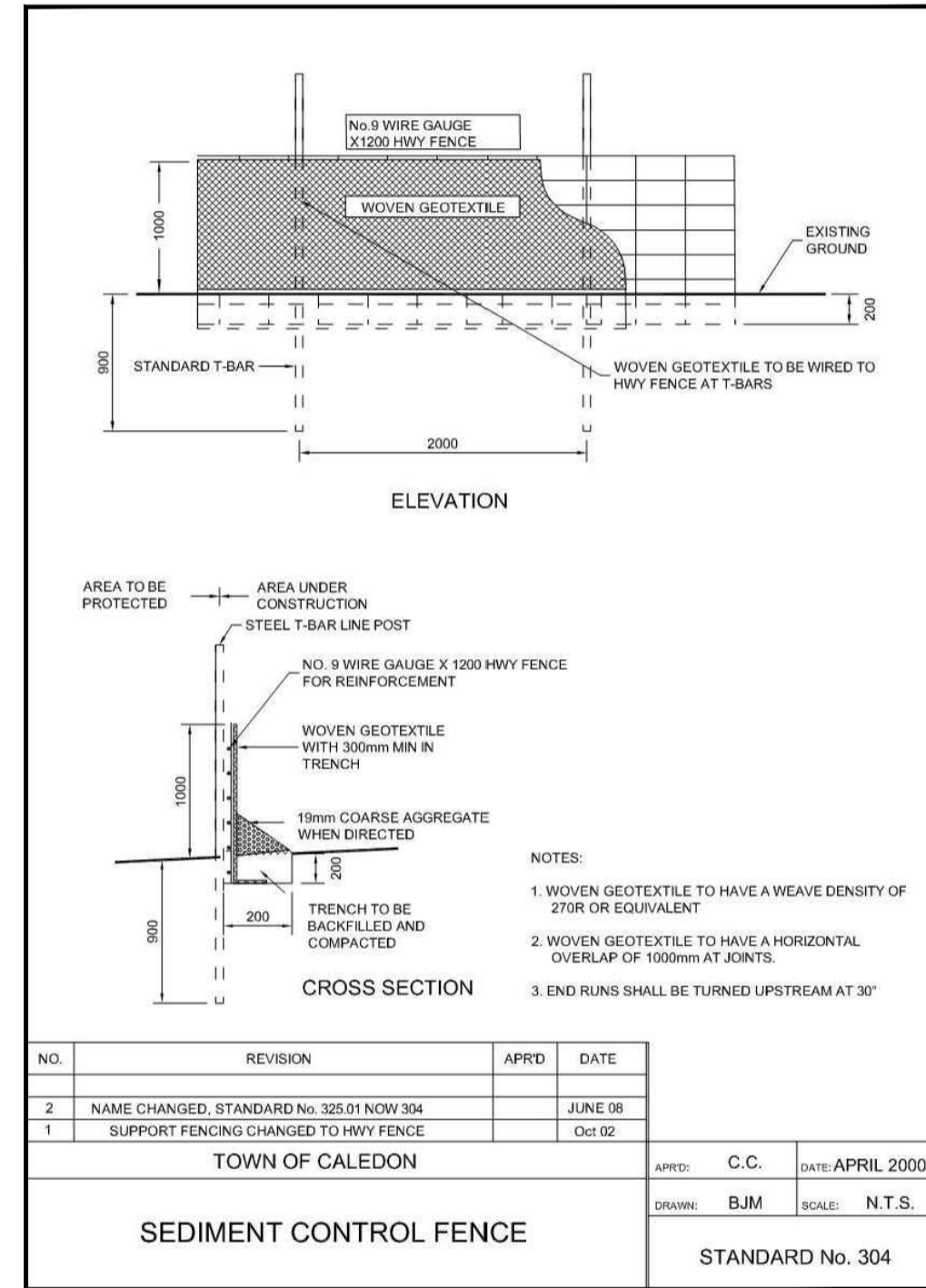
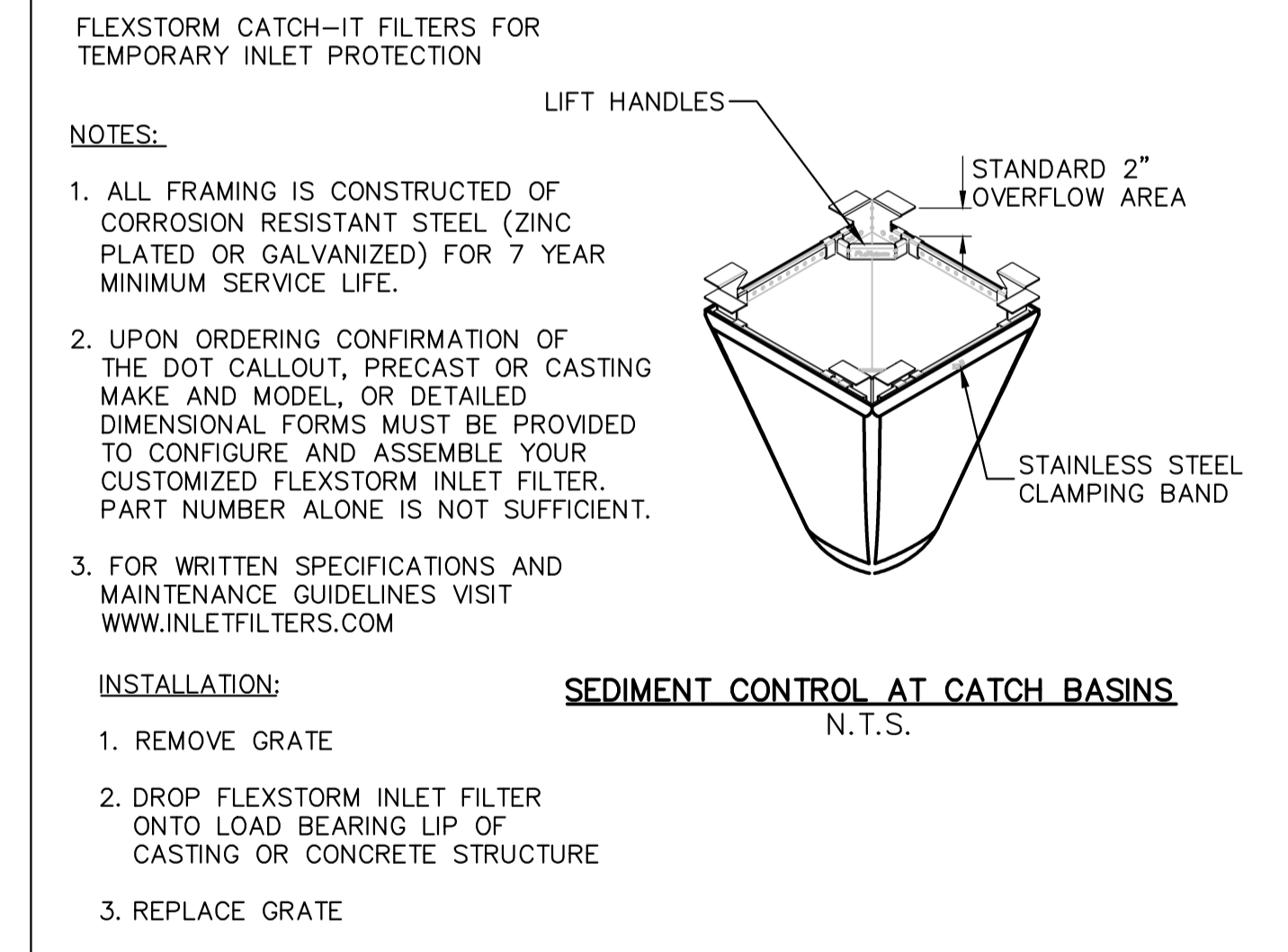
**NOTES: STAGE 1 SITE CLEARING AND GRUBBING PHASE**

SEDIMENT & EROSION CONTROL DURING THE CLEARING PHASE IS TO BE COMPLETED BY THE CONTRACTOR AS FOLLOWS:

1. CONTRACTOR TO INSTALL SILT FENCE ALONG PROPERTY LINES AS SHOWN.
2. CONTRACTOR TO INSTALL MUD MAT ENTRANCE OFF KING STREET EAST.
3. ALL TRUCK TRAFFIC LEAVING SITE MUST EXIT THROUGH MUD MAT.
4. THE CONTRACTOR SHALL LIMIT TRAFFIC OVER THE SITE TO AREAS OF IMMEDIATE CONSTRUCTION ONLY, THROUGH THE USE OF HAUL ROADS AND MARKING OFF 'NO GO' AREAS WITH SILT OR BARRIER FENCE.
5. ALL FRONTAGE ROADS SHALL BE SWEEP AS REQUIRED.
6. TEMPORARY STOCKPILES OF EXCAVATED MATERIAL ARE TO BE PROTECTED WITH POLY SHEETING (OR SIMILAR) AND SURROUNDED BY SILT FENCE TO MINIMIZE SOIL EROSION DUE TO RAINFALL EVENTS AS PER DETAIL ON THIS SHEET.
7. CONTRACTOR TO PROTECT EXISTING TREES AS NECESSARY IN ACCORDANCE WITH THE TREE PRESERVATION PLAN.

**STAGE 2 CONSTRUCTION OF THE ROADS AND UNDERGROUND UTILITIES PHASE**

1. CONTRACTOR TO INSTALL INLET PROTECTION BAGS AS PER DETAIL ON THIS DRAWING AROUND ALL CATCH BASINS TO PREVENT SILT FROM ENTERING THE STORM SEWER SYSTEM; CLEAN AND REPLACE AS NECESSARY.
2. AFTER INSTALLATION OF SEDIMENT CONTROL FACILITIES, THE CONTRACTOR SHALL INSPECT THE SILTATION CONTROL FACILITIES TO ENSURE PROPER OPERATIONS. ESC MONITOR SHALL CONDUCT REGULAR INSPECTIONS OF THE SILTATION CONTROL FACILITIES.
3. TEMPORARY STOCKPILES OF EXCAVATED MATERIAL ARE TO BE PROTECTED WITH POLY SHEETING (OR SIMILAR) AND SURROUNDED BY SILT FENCE TO MINIMIZE SOIL EROSION DUE TO RAINFALL EVENTS IF THEY ARE TO BE EXPOSED FOR MORE THAN 14 DAYS.
4. IF ANY EXCAVATIONS NEED DE-WATERING, EXCAVATION TO BE PUMPED TO AN INSTALLED SEDIMENT TRAP.



**BENCHMARK**  
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1	28/09/2018	ISSUED FOR SITE PLAN APPLICATION	ADF	CAB
REV	DATE	DESCRIPTION	BY	APP

PLAN OF SURVEY AND PARTIAL TOPOGRAPHY OF PART OF LOT 8 CONCESSION 7 (GEOGRAPHIC TOWNSHIP OF ALBION) TOWN OF CALEDON, REGIONAL MUNICIPALITY OF PEELE  
LEGAL DESCRIPTION

SEE BELOW  
ENGINEER STAMP  
BENCHMARK

**APLIN MARTIN**  
ENGINEERING ARCHITECTURE PLANNING SURVEYING  
Aplin & Martin Consultants Ltd.  
405 - 55 St. Clair Ave. West, O.N. Canada M4V 2Y7  
Tel: (416) 644-1900, Fax: (416) 644-1889, Email: general@aplinmartin.com

CLIENT  
**336 KINGS RIDGE INC.**  
1175 MEYERSIDE DRIVE, SUITE 2  
MISSISSAUGA, ON L5T 1H3

PROJECT  
**KINGS RIDGE COMMON ELEMENT CONDOMINIUM TOWNHOUSE DEVELOPMENT**  
336 KING STREET EAST, CALEDON ON

DRAWING TITLE  
**EROSION AND SEDIMENT CONTROL PLAN**

DESIGN ADF	DATE SEPTEMBER, 2018	SCALE 1:250
DRAWN RJT	PROJECT NO. 17-1419	
CHECKED CAB	DRAWING NO.	REV. 1
APPROVED CAB	<b>C07</b>	

589-28-2018 - 3:11pm - W:\2017\17-1419\WORK\PRODUCTION\DWG\17-1419-06 - ESC.dwg/006 EROSION AND SEDIMENT CONTROL PLAN - 01.dwg

**CALEDON GRADING AND DRAINAGE NOTES:**

- CONSTRUCTION FOR THIS PROJECT TO COMPLY WITH THE MOST CURRENT VERSION OF THE DEVELOPMENT STANDARDS, POLICIES AND GUIDELINES, PREPARED BY THE TOWN OF CALEDON, PUBLIC WORKS DEPARTMENT AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
- ALL PROPOSED CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- WITHIN A MINIMUM OF FORTY-EIGHT HOURS PRIOR TO COMMENCING CONSTRUCTION WITHIN THE MUNICIPAL RIGHT-OF-WAY, THE CONTRACTOR MUST CONTACT THE FOLLOWING:  
 THE TOWN OF CALEDON PUBLIC WORKS DEPARTMENT 905-584-2272  
 THE REGION OF PEEL 905-791-7800  
 ENBRIDGE CONSUMERS GAS 905-758-7924  
 HYDRO ONE 519-941-1211  
 BELL CANADA 416-296-6929  
 ROGERS CABLE 905-897-3914
- ALL DRAINAGE TO BE SELF-CONTAINED AND DISCHARGED TO A LOCATION APPROVED BY THE PUBLIC WORKS AND ENGINEERING DEPARTMENT.
- SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ON THE SITE AND SHALL BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD TO THE SATISFACTION OF THE TOWN OF CALEDON AND THE APPLICABLE CONSERVATION AUTHORITY.
- A MINIMUM OF 1.5M CLEARANCE IS TO BE PROVIDED FROM THE LIMITS OF ALL SIDEWALKS AND DRIVEWAYS TO EXISTING UTILITY STRUCTURES WITHIN THE MUNICIPAL RIGHT-OF-WAY. IF THIS CLEARANCE IS NOT MAINTAINED, THE STRUCTURES SHALL BE RELOCATED AT THE APPLICANT'S EXPENSE.
- STREET CURBS ARE TO BE CONTINUOUS WITHIN THE PROPOSED ENTRANCE.
- ANY CHANGES TO GRADES OR SERVICING FROM THE ORIGINALLY APPROVED SITE PLAN MUST BE APPROVED BY THE TOWN OF CALEDON PUBLIC WORKS DEPARTMENT.
- STRUCTURAL DESIGN OF THE FIRE ROUTE IS REQUIRED TO SUPPORT AN 18-TON VEHICLE. AS SUCH THE DRAWING IS TO SHOW AREAS OF HEAVY ASPHALT AND LIGHT ASPHALT AND IS TO PROVIDE DESIGN INFORMATION.
- ALL BOULEVARDS TO BE RESTORED WITH 150MM MINIMUM OF TOPSOIL AND SOD TO THE SATISFACTION OF THE TOWN OF CALEDON PUBLIC WORKS DEPARTMENT.
- THE MINIMUM PAVEMENT DESIGN FOR THE ASPHALT DRIVEWAY APRON WITHIN THE MUNICIPAL ROAD ALLOWANCE SHALL BE AS FOLLOWS:  
 40MM HL3 ASPHALT  
 50MM HL8 ASPHALT  
 150MM GRANULAR 'A'  
 300MM GRANULAR 'B'  
  
 THE CONSULTANT SHOULD REVIEW THE ABOVE WITH RESPECT TO THE EXPECTED USAGE.
- SERVICE CONNECTION BACKFILL TO BE DISCUSSED WITH THE TOWN OF CALEDON.

**GENERAL NOTES:**

- CONTRACTOR TO VERIFY THE LOCATION AND INVERTS OF EXISTING WATER, STORM AND SANITARY CONNECTIONS TO THE SITE. REPORT TO THE ENGINEER ANY DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
- ALL BUILDINGS & ROADS ARE TO BE LOCATED BY CO-ORDINATES AS CALCULATED BY A ONTARIO LAND SURVEYOR.
- THE CONTRACTOR MUST CONTACT THE ENGINEER PRIOR TO CONSTRUCTION TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING DURING WHICH CONSTRUCTION METHODS, TIMING, AND INSPECTION WILL BE DISCUSSED.

**LOT GRADING:**

- ALL DIMENSIONS AND ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE TO GEODETIC DATUM.
- ALL EXCAVATION, FILL PLACEMENT AND COMPACTION TO BE IN ACCORDANCE WITH GEOTECHNICAL CONSULTANTS REPORT.
- CONTRACTOR TO EMPLOY GEOTECHNICAL CONSULTANT FOR PERFORMANCE OF IN PLACE TESTING DURING THE PREPARATION OF THE SUBGRADE AND CONSTRUCTION OF THE ROAD STRUCTURE TO VERIFY THE ADEQUACY OF PROPOSED ROAD STRUCTURE AND SUBGRADE.
- CHANGES TO GRADE SHALL BE FORMED BY SMOOTH CURVES.
- ALL BUILDINGS EXIT TO GRADE FROM THE LOWER FLOOR.

**ROADWORKS NOTES:**

- SINGLE - STAGE CURB & GUTTER TO COMPLY WITH OPSD 600.040 COMPLETE WITH 2 - 15M BARS.
- TWO- STAGE CURB & GUTTER TO COMPLY WITH OPSD 600.070.
- SIDEWALKS TO COMPLY WITH OPSD 310.010 AND ARE TO BE 1.5 METRES WIDE ON A 150mm COMPACTED GRANULAR "A" BASE. MINIMUM THICKNESS AS FOLLOWS:  
 • NORMAL THICKNESS 125mm.  
 • RESIDENTIAL DRIVEWAY 150mm  
 • COMMERCIAL/INDUSTRIAL DRIVEWAY 200mm (REINFORCEMENT AS PER OPSS IF REQUIRED)
- NATIVE SUBGRADE SHALL HAVE A CROSSFALL OF 3% AND THE MATERIAL SHALL BE APPROVED BY A SOILS CONSULTANT AND IS SUBJECT TO APPROVAL BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING.
- THE ROAD BASE SHALL INCORPORATE 100mm DIAMETER SUBDRAIN WITH FACTORY INSTALLED FILTER FABRIC AS PER TOWN OF CALEDON STANDARD No. 240.
- ALL CURB RADII TO BE MINIMUM OF 10.0 METRES RESIDENTIAL AND 15.0 METRES INDUSTRIAL AT THE EDGE OF ASPHALT.
- NATIVE SUBGRADE TO BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND SHALL BE PROOF ROLLED.
- GRADE AND CROSS FALL ADJUSTMENT OF MAINTENANCE HOLE AND CATCH BASIN FRAMES WILL BE MADE USING PRODUCTS SPECIFICALLY MANUFACTURED FOR THAT PURPOSE AS PER OPSD 704.010.
- NON-COMPRESSIBLE BACK FILL WILL BE USED DURING REBUILDING, ADJUSTING, OR ANY OTHER APPLICABLE CATCH BASIN OR MAINTENANCE HOLE WORKS.
- CURB AND SIDEWALK CONCRETE SHALL BE 30MPa AT 28 DAYS WITH 7% ± 1.5% ENTRAINED AIR AND NOT LESS THAN 355 kg/m<sup>3</sup> OF CEMENT. (PER OPSS 315 AND 353)

**WATERMAIN NOTES:**

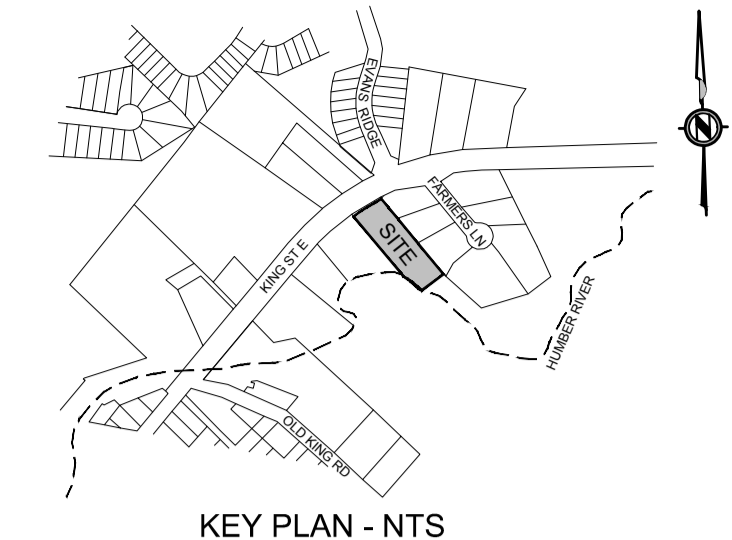
- WATERMAINS SHALL BE INSTALLED WITH BEDDING AS PER REGION OF PEEL STANDARD DRAWING 1-5-1.
- ALL WATERMAINS TO HAVE 1.7m MINIMUM COVER.
- CONTRACTOR TO CONFIRM LOCATIONS & SIZES OF ALL EXISTING SERVICES PRIOR TO CONSTRUCTION AND ENSURE CIVIL DRAWINGS MATCH MECHANICAL DRAWINGS. ANY DISCREPANCIES MUST BE REPORTED TO BOTH ENGINEERS IMMEDIATELY.
- ALL WATERMAIN MATERIAL TO BE PVC DR 18 IN COMPLIANCE WITH AWWA C900-16 SPECIFICATIONS OR APPROVED EQUIVALENT.
- ALL WATER SERVICE CONNECTION TO BE MIN 50mm DIAMETER, UNLESS OTHERWISE SPECIFIED AND INSTALLED IN ACCORDANCE WITH REGION OF PEEL STANDARD DRAWING 1-7-1.
- BLOW-OFFS TO BE INSTALLED AS PER REGION OF PEEL STANDARD DRAWING 1-7-2.
- THRUST BLOCKS TO BE INSTALLED AT ALL BENDS AS PER REGION OF PEEL STANDARD DRAWING 1-5-5, 1-5-6 AND 1-5-7.

**STORM SEWER NOTES:**

- STORM SEWER TO BE PROVIDED ON ALL ROADS WITH CURB AND GUTTER.
- PLACE ALL CATCH BASIN LATERALS AT 2% GRADE UNLESS OTHERWISE NOTED. PIPE SIZE MINIMUM 250mm DIA. SINGLE, 300mm DIA. DOUBLE.
- STORM SEWERS SHALL BE CONSTRUCTED WITH BEDDING AS PER OPSD 802.030 FOR RIGID PIPE OR OPSD 802.010 WITH GRANULAR 'A' FOR FLEXIBLE PIPE UNLESS APPROVED OTHERWISE BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING.
- MAINTENANCE HOLE TOPS (FRAMES) AND CATCHBASIN (FRAMES) ARE TO BE SET TO BASE COURSE ASPHALT AND THEN ADJUSTED TO FINAL GRADE WHEN THE TOP LIFT OF ASPHALT IS PLACED.
- STORM SEWER TO BE LOCATED OFFSET 1.5m SOUTH OR WEST OF CENTRELINE UNLESS OTHERWISE SPECIFIED.
- ALL CONNECTIONS TO THE STORM MAIN SHALL BE MADE WITH A STORM MANHOLE OR APPROVED FACTORY TEE CONNECTION AS PER OPSD 708.01 OR 708.03.
- PIPE MATERIAL TO BE REINFORCED CONCRETE WITH A STRENGTH OF 50 N/m<sup>2</sup> CERTIFIED TO C.S.A. STANDARD A247.2-1982, CLASS 50-D (PREVIOUSLY C.S.A. STANDARD A257.2-1974 CLASS II) OR PVC CERTIFIED TO C.S.A. STANDARDS 182.2 AND 182.4 MAX. PVC PIPE DIA. IS 600mm BIG O BOSS 2000 POLYETHYLENE PIPE WITH GASKETED BELL AND SPIGOT JOINTS CERTIFIED C.S.A. B182.6 FOR STORM SEWERS UP TO 900mm DIA. WHERE ONLY CONNECTION STD CATCHBASINS ARE CONSIDERED.
- STORM SEWER TO BE MINIMUM 300mm DIA. WITH JOINTS CONFORMING TO C.S.A. STANDARD A257.3.
- ALL PIPE BEDDING MUST CONFORM TO OPSD MAXIMUM COVER TABLE. NO FLEXIBLE PIPE SEWERS WILL BE INSTALLED WITH A DEPTH COVER GREATER THAN 6m UNLESS SPECIFICALLY APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING.
- ALL PIPE HANDLING INSTRUCTIONS MUST BE IN STRICT COMPLIANCE WITH MANUFACTURERS INSTALLATION GUIDES AND THE OCPA OR UNIBELL GUIDELINES.

**SANITARY SEWER NOTES:**

- SANITARY SEWERS SHALL BE INSTALLED WITH BEDDING AS PER REGION OF PEEL STANDARD DRAWING 2-3-1.
- SANITARY SEWER PIPES TO BE PVC DR35 IN COMPLIANCE WITH ASTM D 3034 & CSA B182.2 SPECIFICATIONS.
- SANITARY SERVICE CONNECTIONS TO BE MIN 125mm DIAMETER @ 1.0% AND PVC SDR28 IN COMPLIANCE WITH ASTM D 3034 & CSA B182.1 SPECIFICATIONS.
- CONTRACTOR TO CONFIRM LOCATION AND INVERTS OF EXISTING SANITARY SEWER CONNECTIONS PRIOR TO CONSTRUCTION.
- ALL MANHOLES TO BE 1200mm DIAMETER AND CONFORM TO REGION OF PEEL STANDARD DRAWING 2-5-1, 2-5-2 AND 2-5-3.
- ALL SANITARY SEWERS THAT DO NOT MEET 1.0m MINIMUM COVER TO BE INSULATED AS PER OPSD 1109.030.



KEY PLAN - NTS

**LEGEND**

REV	DATE	DESCRIPTION	BY	APP
1	28/09/2018	ISSUED FOR SITE PLAN APPLICATION	ADF	CAB

ENGINEER STAMP	PLAN OF SURVEY AND PARTIAL TOPOGRAPHY OF PART OF LOT 8 CONVESSION 7 (GEOGRAPHIC TOWNSHIP OF ALBION) TOWN OF CALEDON, REGIONAL MUNICIPALITY OF PEEL LEGAL DESCRIPTION
	SEE BELOW
	BENCHMARK



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CLIENT  
**336 KINGS RIDGE INC.**  
 1175 MEYERSIDE DRIVE, SUITE 2  
 MISSISSAUGA, ON L5T 1H3

PROJECT  
**KINGS RIDGE  
 COMMON ELEMENT CONDOMINIUM  
 TOWNHOUSE DEVELOPMENT  
 336 KING STREET EAST, CALEDON ON**

DRAWING TITLE  
**STANDARD NOTES**

BENCHMARK ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO FIRST ORDER VERTICAL BENCHMARK NUMBER 00819758057 HAVING AN ORTHOMETRIC ELEVATION OF 251.929 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928/1978). BENCHMARK LOCATED ON THE EAST SIDE OF HWY 50, 0.8 KM SOUTH OF JUNCTION OF HWY 50 AND KING ST IN THE TOWN OF CALEDON (BOLTON), 55.2 M NORTH OF ELLWOOD DR AND 104 M EAST OF CENTRELINE OF HWY 50. TABLE IS SET HORIZONTALLY IN WEST FACE OF CONCRETE FOUNDATION OF GYMNASIUM AT ELLWOOD MEMORIAL PUBLIC SCHOOL, 1.7 M NORTH OF S.W. CORNER AND 12 CM BELOW BRICKWORK.	COPYRIGHT RESERVED THE COPYRIGHTS TO ALL DESIGNS AND DRAWINGS ARE THE PROPERTY OF APLIN & MARTIN CONSULTANTS LTD. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY APLIN & MARTIN CONSULTANTS LTD. IS PROHIBITED. <b>NOTICE TO CONTRACTOR</b> IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SURVEYOR TO VERIFY THAT ALL LEGAL SURVEY DIMENSIONS SHOWN ON THE ENGINEERS DRAWINGS AGREE WITH THOSE ON THE REGISTERED LEGAL SURVEY PLAN. SHOULD THERE BE ANY DISCREPANCIES, THEN IMMEDIATELY NOTIFY THE ENGINEER OF RECORD	THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY & HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	DESIGN ADF DATE SEPTEMBER, 2018 SCALE N/A	DRAWN ADF PROJECT NO. 17-1419	CHECKED CAB DRAWING NO. <b>C08</b>	REV. 1
	APPROVED CAB					



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