

STANDARD NOTES

- A. SEWERS**
1. SANITARY & STORM SEWERS
- Construction of storm sewers and private drains shall be in accordance with City Standards & Specifications Manual (Latest Edition) and Ministry of Environment (MOE) Guidelines (Latest Edition).
 - All proposed sewers, throughout their length from the main sewer to the building or place to be drained is to be laid, as nearly as practicable, in a straight line in a trench at a right angle to the main sewer.
 - Proposed sewer inverts must be provided including the slope of the pipe.
 - Minimum allowable velocity 0.75 m/s for sanitary sewers and 0.80 m/s for storm sewer. Maximum allowable velocity 2.75 m/s for sanitary sewers and 3.65 m/s for storm sewers.
 - Sewer bedding, cover and backfill to be as per OPSD 802.010 with Granular 'A' material for both the bedding and cover.
 - On private property the minimum cover is to be no less than 1.2m.
 - Alternate materials may be acceptable provided approval has first been obtained from the City / Engineer.
 - Minimum horizontal separation between sewer and watermain to be 2.5m. Minimum vertical separation to be 0.50m when a watermain passes over or under a sewer.
 - Testing of sewers as per City specifications (i.e. deflection, infiltration/exfiltration)
 - Sanitary sewer (200mm to 375mm dia) shall be PVC pipe, CSA B182.2, SDR-35.
 - Storm sewer (300mm to 600mm dia.) shall be PVC pipe, CSA B182.2, SDR-35.
 - Storm sewer > 600mm dia. shall be concrete pipe, CSA A257.2 (as specified)
- B. WATER SERVICES**
1. WATER SERVICES
- Construction of watermains and private services shall be in accordance with City Standards & Specifications Manual (latest edition) and Ministry of Environment (MOE) Guidelines (latest edition).
 - Water services are to be installed perpendicular to the existing City watermain and straight into the building.
 - PVC pipe in sizes 100mm through 300mm shall be Class 150 DR18 conforming to AWWA C900.
 - PVC watermain/service material, cathodic protection, tracer wire etc. must be as per Form 400.
 - For watermain deflection (PVC pipe):
 - maximum allowable deflection of 1.5 degrees per joint for up to 250mm diameter (the maximum allowable pipe deflection to be 1/2 the manufacturer's recommendations),
 - each joint shall be deflected an equal amount.
 - All system components are to be either to City of Hamilton Standards or Ontario Provincial Standard Drawing (OPSD). Where a City Standard exists it shall be used in the place of the OPSD standard.
 - A scheduled Watermain shut down shall be at the discretion of the City and subject to the following:
 - Maximum 4 hours shut down of existing main at a time convenient to the City of Hamilton and abutting users.
 - Contractor to give 48 hour prior notification using the "City of Hamilton Notice of Shutdown" for all affected areas.
 - In the event a scheduled shutdown is cancelled by the City of Hamilton, the contractor shall have no claims against the City.
 - Curb stops are to be installed on all water services.
 - Granular bedding as per WM-200.01 to be Granular 'D' as per Form 600.
 - Water services to be installed with a minimum cover of 1.6m.
2. VALVE & VALVE BOX
- All valve boxes to be set to proposed grade.
 - Gate valves and valve boxes for 100mm to 300mm as per WM-202.
3. ANCHOR BLOCKS
- For 100mm to 300mm watermains, standard concrete blocks as per WM-204.01.
 - For 100mm to 300mm watermains, vertical bend concrete blocks as per WM-204.10 and WM-204-11.
- C. ROADWORKS**
1. COMPACTION REQUIREMENTS
- All bedding and backfill material, road sub-grades, and generally all material used for lot grading and fill sections etc., shall be compacted to min. 100% SPD unless otherwise specified.
 - All granular road base materials shall be compacted to 100% S.P.D.
 - For all sewers and watermains in fill sections, the compaction shall be certified by a geotechnical engineer prior to laying of pipe.
2. PAVEMENT STRUCTURE
- Pavement structure to be 40mm HL3, 80mm HL8 on 150mm Granular 'A' and 350mm Granular 'B', TYPE II 100% crushed aggregate.

NOTE:
FOR LAYOUT LOCATION OF BUILDINGS, ACCESS
ROADS, PARKING AREAS, CURBS, SIDEWALKS,
WHEELCHAIR RAMPS, RETAINING WALLS, ETC.
REFER TO SITE PLAN.

Approval of this drawing is for material acceptability and compliance with municipal and provincial specifications and standards only. Approval and inspection by the City of the works does not certify the line and grade of the works and it is the owner's responsibility to have their Engineer certify this accordingly.

All existing unused sewer and water services must be properly abandoned / removed in accordance with City of Hamilton requirements. Road allowance portions of the service must be completely removed with an appropriate repair to the main. Services on private property should be removed, or plugged with a minimum 300 mm concrete at either end.

Watermain or water service lowerings, 100 to 300 mm pipe, to be as per WM-204.13. Water service deflections, where feasible, should be less than or equal to 50 % of the values recommended by the manufacturer, as per City Form 400.

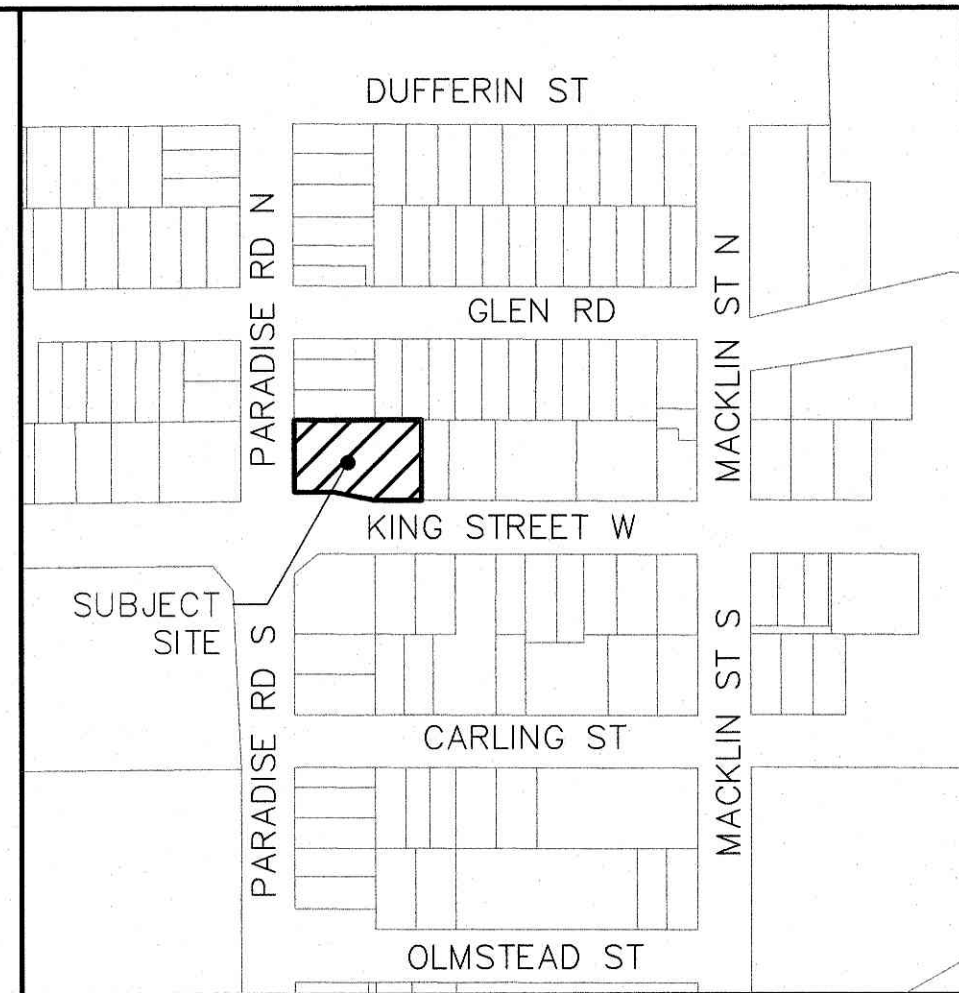
Connection of the new 150 mm PVC water service to the municipal main is to be as per cut in tee and sleeve as per WM-207.04. Minimum depth of cover to be 1.6 m. The following standard notes respecting water service installation must be included on the plan.

"Water main Shutdown"

- Maximum 4 hour shutdown of existing main at a time convenient to the City of Hamilton and abutting users.
- Contractor to give 48 hour prior notification using the "City of Hamilton Notice of Shutdown" for all affected areas.
- In the event a scheduled shutdown is cancelled by the City of Hamilton, the contractor shall have no claims against the City.

The building's water meter (master meter) must be located at the service point of entry, at floor grade and be installed as per WM-210. Please indicate the above noted standard, location and size of the proposed meter on the plan. For information the Owner's plumber is responsible for installing the meter piping, by-pass, and spacer issued by our Meter Shop upon presentation of Meter Permit. Once installed an appointment will be set up for the City to remove the spacer, install the proposed meter and remote.

All existing water meters on systems to be abandoned must be removed and salvaged by the City of Hamilton. The servicing contractor should contact the water and Wastewater Section, Public Works Department at 905 546-2424 X4426 to arrange for the work, and a note to this effect should be included on the plan.



KEY PLAN

BENCH MARK

City of Hamilton Monument 65-U-022
Elevation: 98.278
Description: George Allen school at north-west corner of intersection of King street and Bond street, tablet in south concrete foundation wall of newer portion of building, 0.30m from south-east corner 0.50m below brick, 0.60m above road level

No.	Revision	By	Date
1.	REVISED PER CITY COMMENTS	B.C.	09/12/19

REVISIONS

GENERAL NOTES

- TENDERERS SHALL SATISFY THEMSELVES AS TO THE NATURE OF THE GROUND AND BID ACCORDINGLY.
- ALL ROCK LINE INDICATIONS SHOWN ON THE PLAN MUST BE VERIFIED BY THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY LOCATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWERS AND WATERMANS, PRIVATE SEWER DRAINS AND WATER SERVICES, GAS MAINS, CABLE TV, HYDRO AND TELEPHONE DUCTS, ETC., AT START OF CONSTRUCTION.

PROFESSIONAL ENGINEER
A.J. Clarke
100189931
PROVINCE OF ONTARIO
ENGINEER

PROJECT OWNER:
Gateway Development Group Inc.

NOT ISSUED FOR CONSTRUCTION

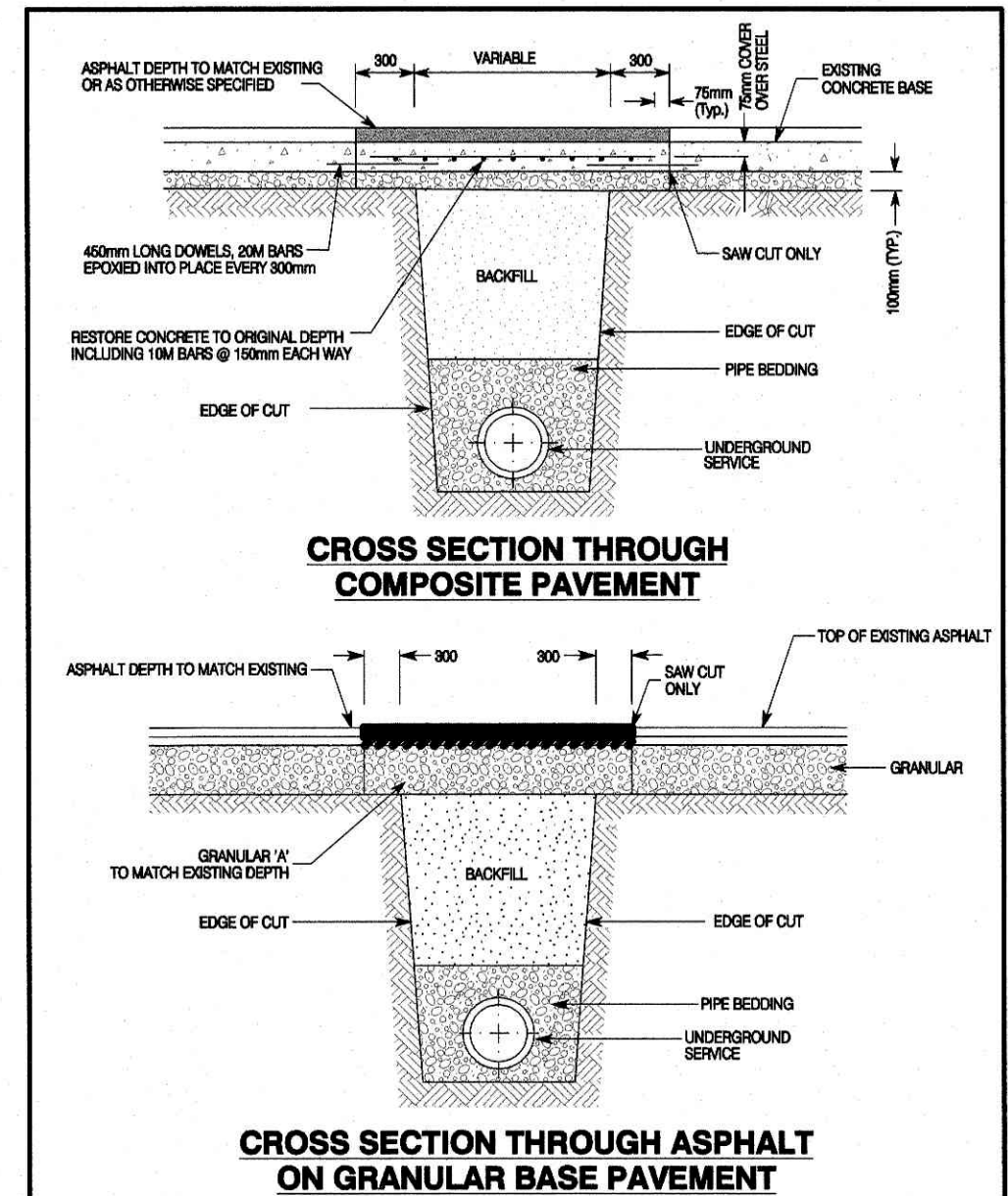
MUNICIPALITY:
CITY OF HAMILTON

PROJECT NAME:
804 - 816 KING STREET WEST

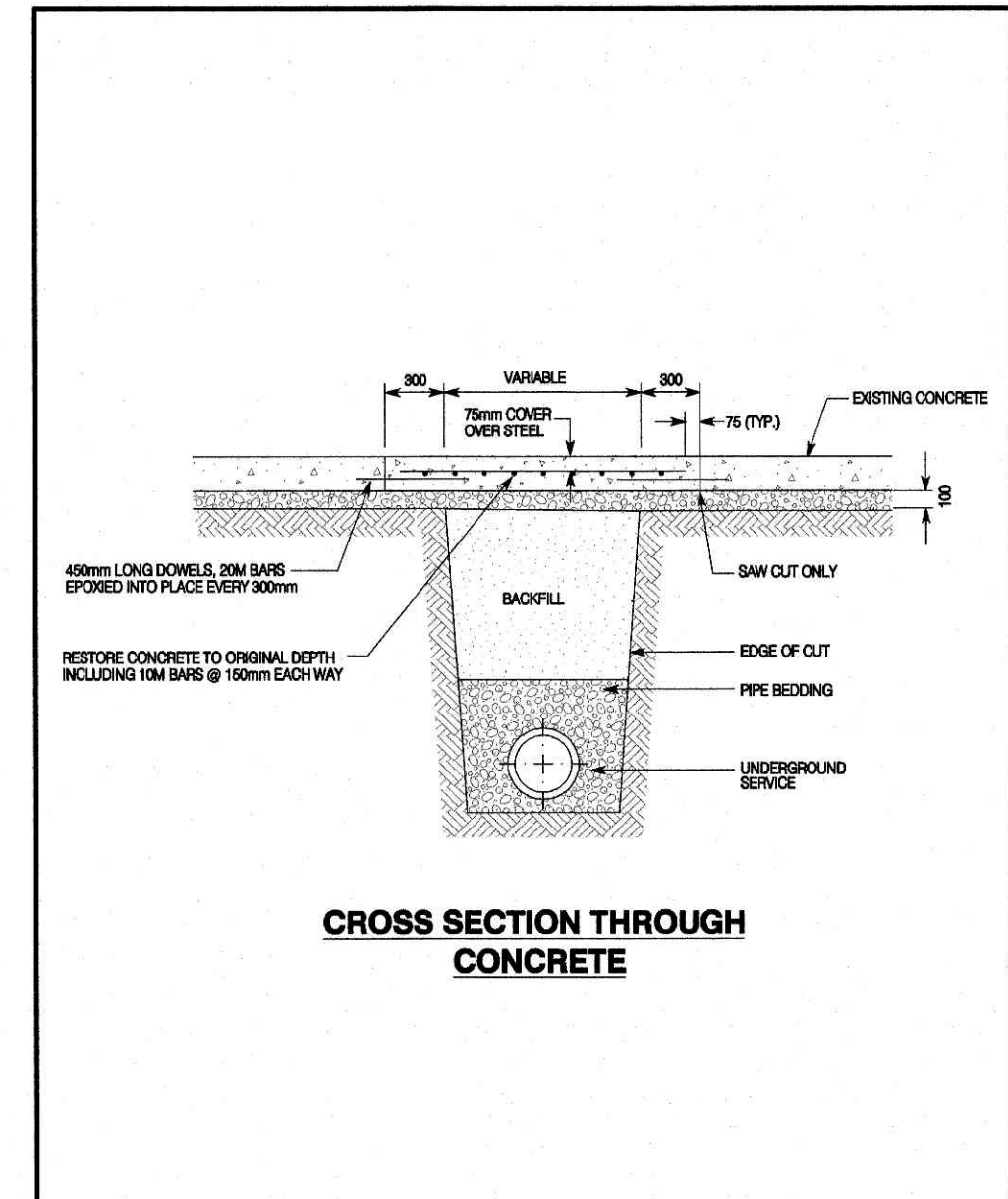
A.J. Clarke and Associates Ltd.
SURVEYORS • PLANNERS • ENGINEERS
25 MAIN STREET WEST, SUITE 300
HAMILTON, ONTARIO L8P 1H1
Tel: 905 528-8761 Fax: 905 528-2289
email: ajc@ajclarke.com

TITLE:
GENERAL PLAN OF SERVICES

SCALE: 1:200	DATE: DEC 2019
DESIGN: B.C.	DRAWN: R.S.
DWG: 188200	SHT: 1



CITY OF HAMILTON
Public Works Department
ROAD RESTORATION OVER UTILITY CUTS - Sht 1 of 2
DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED (N.T.S.)
DATE: November 2006
REV: No
FORMERLY: R-88-002
HAMILTON STD NO: RD-100.01



CITY OF HAMILTON
Public Works Department
ROAD RESTORATION OVER UTILITY CUTS - Sht 2 of 2
DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED (N.T.S.)
DATE: November 2006
REV: No
FORMERLY: R-88-002
HAMILTON STD NO: RD-100.02

- EXISTING CATCHBASINS ON SITE ARE TO BE ABANDONED AND REMOVED FROM SITE**
- WATER SERVICE ABANDONMENT (50mm or Less)**
- REMOVE CURB STOP
 - CUT AND CRIMP WATER SERVICE AT THE MAIN
 - CLOSE MAINSTOP
- WATER SERVICE ABANDONMENT (Larger Than 50mm)**
- REMOVE CURB STOP AND THE SERVICE FROM THE ROAD
 - REMOVE THE CONNECTION TO THE MUNICIPAL WATERMAIN (TEE OR TAPPING SLEEVE AND VALVE)
 - REPAIR THE MAIN
- NOTE:**
EXISTING SEWER LOCATIONS AND INVERTS WERE DERIVED FROM CITY OF HAMILTON ENGINEERING DRAWINGS INDEXED AS P-175-H-2, D-29, SAB AND LSP1112. LOCATIONS OF SEWERS AND INVERTS ARE APPROXIMATE ONLY AND MUST BE VERIFIED PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND IN THE FIELD MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- RAINWATER LEADERS**
- All building roof drainage shall be directed to the storm sewer lead via the internal mechanical drainage system. Weeping tiles drainage shall be to sump pit and be directed to the building storm connection. All internal building drainage components shall be constructed as per the requirements of the Ontario Building Code.

- SPECIAL NOTES**
- SN1. Existing utilities and underground services shown are approximate locations only. This drawing does not indicate all potential utilities and services. Contractor is responsible to have all utilities and services staked out by their respective locate and servicing companies prior to commencing work on site.
- SN2. All existing utilities, services, and structures, etc. that are in conflict with proposed site services, to be relocated by others, unless otherwise indicated.
- SN3. Removals and/or relocations of the existing utilities (i.e. hydro, communication, fiber optic cables, gas, etc.) shall be in strict accordance with the approved and "Issued for Construction" drawings prepared by qualified professional.
- Contractor to clean existing roadways of sediments resulting from construction traffic from the site each day.

Testing Requirements for PVC Sewers
Infiltration/exfiltration testing will be carried out on all sanitary sewers, using either water or low air pressure in accordance with OPSD 410.07. 15.02.

PVC sanitary sewers shall be subjected to a mandrel test at the time when the sewer is accepted as complete by the City. Maximum allowable deflection of the mainline sewer shall be 5%. A deformation gauge (PIG) test in accordance with OPSD 410.07.15.05 shall be carried out a minimum of thirty days after the sewer trench has been backfilled or prior to paving of roadways.

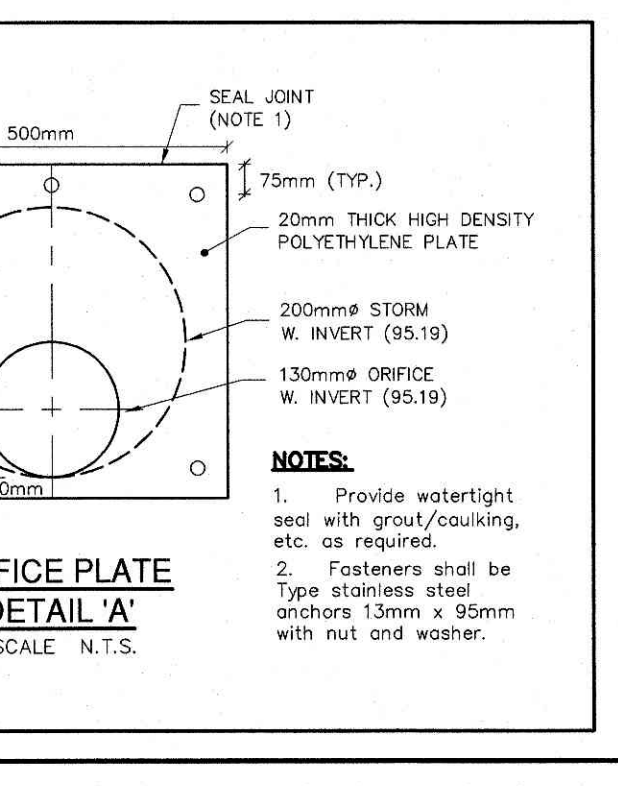
1. Internal water meter installations to be as per WM-210 with meter installed at floor level.

2. In accordance with the City of Hamilton Backflow Prevention By-law #10-103, a backflow prevention device must be installed and maintained on all existing and/or proposed water services to industrial, commercial, institutional properties and also multi-residential buildings over the height of 3 stories to prevent the flow of contaminants into the municipal drinking water system. Selection of the required backflow prevention device, specific to a property for a water service line that is 50mm or greater is to be determined through a "Cross Connection Survey", carried out by a qualified individual, under the terms and timelines, as described within the By-law. All Backflow Prevention Devices must be selected, and maintained in accordance with the City of Hamilton's Backflow Prevention By-law # 10-103 the manufacturer's specifications and the guidelines set out in the most recent version of the AWWA Canadian Cross Connection Control manual and the CSA, 844.10 / 07 / 844.10.1-07 Standards.

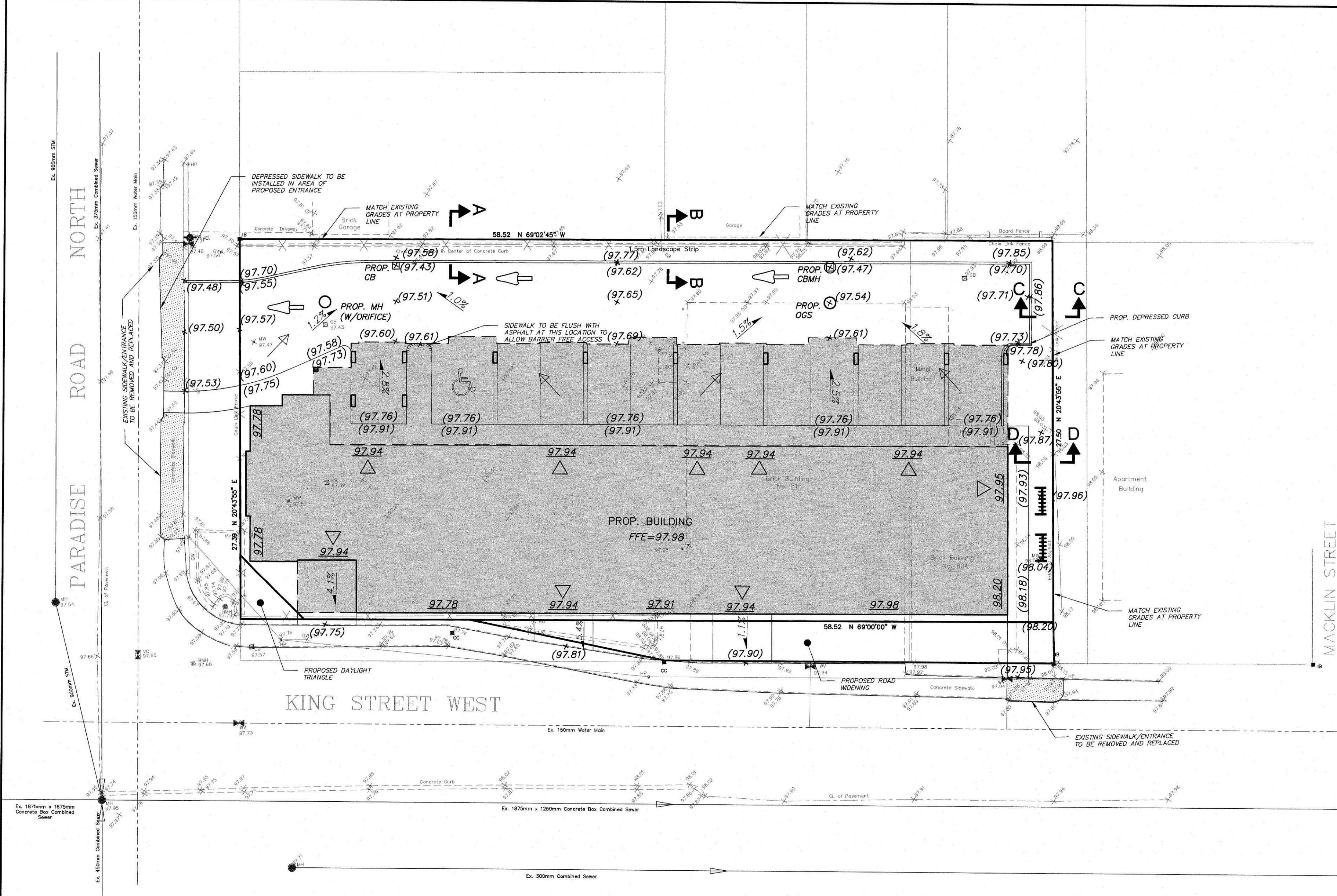
3. If a fire service is proposed to a building, the service must be protected against backflow in accordance with the CSA and Ontario Building Code. The backflow device must be installed at the service point of entry and shall be either a double check detector assembly or a reduced pressure detector assembly with a detector meter which is capable of measurements in cubic metres.

LEGEND

- PROPOSED DRIVEWAY LOCATION
- EXISTING HYDRO POLE
- EXISTING LIGHT STANDARD
- PROPOSED LIGHT STANDARD
- PROPOSED HYDRO VAULT
- PROPOSED TRANSFORMER
- PROPOSED STREET LIGHT POWER SUPPLY
- EXISTING BELL PEDESTAL
- EXISTING CATV PEDESTAL
- PROPOSED BELL PEDESTAL
- PROPOSED CATV PEDESTAL
- PROPOSED STREET LIGHT PEDESTAL
- PROPOSED MAILBOX
- EXISTING ROAD SIGN
- EXISTING GUYWIRE
- EXISTING CURB STOP
- EXISTING CATCH BASIN
- WATERMAIN TEE (PROPOSED / EXISTING)
- PLUG (PROPOSED / EXISTING)
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER PIPE
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER PIPE
- EXISTING STORM MANHOLE
- EXISTING STORM WATER CULVERT
- PROPOSED SANITARY SEWER PIPE
- PROPOSED SANITARY MANHOLE
- EXISTING DITCH OR SWALE WITH FLOW DIRECTION ARROW
- EXISTING TOP OF SLOPE WITH DOWN SLOPE DIRECTION LINES
- EXISTING DRIPLINE
- PROPOSED CURB & GUTTER
- PROPOSED 1.5m SIDEWALK
- EXISTING CURB & GUTTER
- PROPOSED FENCE
- LIMITS OF ASPHALT OVERLAY (40mm HL3, PER SECTION SHEET 'A')
- EXISTING FENCE
- EXISTING CONIFEROUS TREE WITH TREE TRUNK Ø IN MILLIMETRES
- EXISTING DECIDUOUS TREE WITH TREE TRUNK Ø IN MILLIMETRES
- PROPOSED ROAD RESTORATION PER CITY OF HAMILTON STANDARD RD-100.01 & RD-100.02
- PROPOSED BACKFLOW PREVENTER
- PROPOSED WATER METER (100mm COMPOUND)



ORIFICE PLATE
DETAIL 'A'
SCALE: N.T.S.



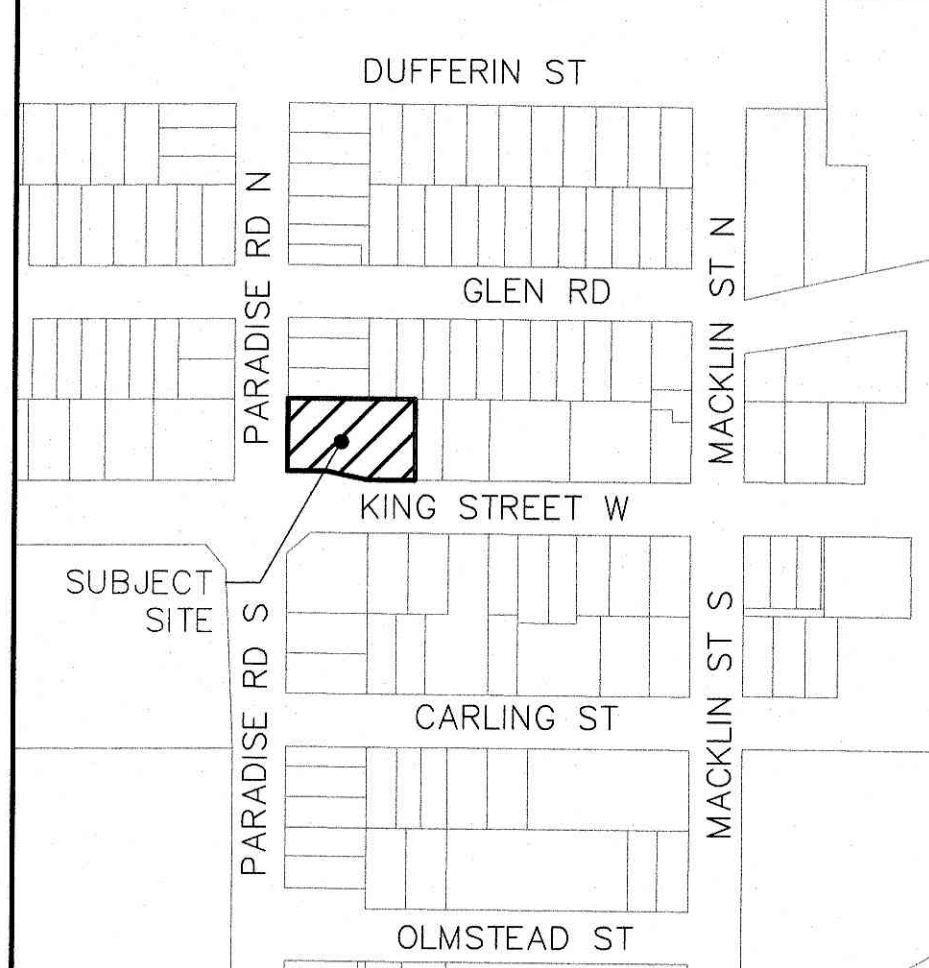
LOT GRADING NOTES

GENERAL GRADING NOTES

1. Max. driveway grades to be 7.0%
2. Along adjoining properties grade to meet existing or proposed elevations with sodded slopes (min. 3H to 1V) and/or retaining walls as specified.
3. All retaining walls, walkways, curbs, etc., shall be placed a min. of 0.45m off the property line. All walls 1.0m or higher shall be designed by a P.Eng.
4. Should a retaining wall be required, the top of wall elevations shall be set 150mm above the proposed side yard swales.
5. Retaining walls 0.6m in height or greater require construction of a fence or guard rail at the top of the rear of the wall. Guards for retaining walls shall be designed and constructed in accordance with the requirements of exterior guards as contained in the Ontario Building Code.
6. Slopes of swales for both "back to front" and "spill" drainage shall be no less than 2.0% grade and no greater than 33% grade (3:1 slopes).
7. When matching to existing properties where a 2.0% grade cannot be achieved, a 1.5% grade is permitted provided a 150mm sub-drain is installed below the bottom of the swale and drained to a suitable outlet, with a minimum 0.3m cover over the sub-drain, or other mitigation measures.
8. Unless otherwise noted, the ground between proposed elevations on side lots shall be graded as a straight line.
9. Top of foundation walls for buildings shall be 150mm (min) above finished grade.
10. All fill placed on lots shall be compacted to a minimum 95% SPD (unless otherwise recommended by the geotechnical engineer). All material shall be placed in layers not exceeding 300mm lifts.
11. Lot grading shall conform strictly with this plan. Any changes, unless approved prior to construction by the City, shall result in non acceptance by the City.
12. If grading is required on lands adjacent to the development which are not owned by the developer, then the developer must obtain written permission from the adjacent property owner to allow the developer to grade on the adjacent lands, otherwise retaining walls must be used.
13. The written permission required from the adjacent landowner shall be obtained prior to entering the lands. Should permission not be obtained or is withdrawn prior to commencing the work, then the developer shall limit his activities to the limits of the development site.
14. There is no control on the steepness of the slopes in side yards, front yards and back yards, outside the area defined in a) above, providing the slopes are stable for the soils of the area (minimum 3H:1V).

NOTES FOR GRADING

1. All work involved in the construction, relocation, repair of municipal services for the project shall be to the satisfaction of the City's manager, Development Engineering Approvals, Planning and Development Department. In addition, any changes in grades and catch basins require the approval of the City's manager, Development Engineering Approvals.
2. Fire route signs and 3-way fire hydrants shall be established to the satisfaction of the City Fire Department and at the expense of the owner.
3. Main driveway dimensions at the property line boundaries are plus or minus 7.5m unless otherwise stated.
4. All driveways from the property lines for the first 7.5m shall be within 5% maximum grade, thereafter all driveways shall be within 10% maximum grades.
5. The approval of this plan does not exempt the owners bonded contractor from the requirements to obtain the various permits/approvals normally required to complete a construction project, such as, but not limited to the following:
 - Building permits
 - Sewer and water permits
 - Road cut permits
 - Relocation of services
 - Approach Approval permits
 - Committee of Adjustment
 - Encroachment agreements (if required)
6. Abandoned accesses must be removed and the curb and boulevard restored with sod at the owner's expense to the satisfaction of the City's manager, Development Engineering Approvals.



KEY PLAN N.T.S.

BENCH MARK
 City of Hamilton Monument 65-U-022
 Elevation: 98.278
 Description: George Allen school at north-west corner of intersection of King street and Bond street, tablet in south concrete foundation wall of newer portion of building, 0.30m from south-east corner 0.50m below brick, 0.60m above road level

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PROJECT OWNER:
Gateway Development Group Inc.

MUNICIPALITY:
CITY OF HAMILTON

PROJECT NAME:
804 - 816 KING STREET WEST

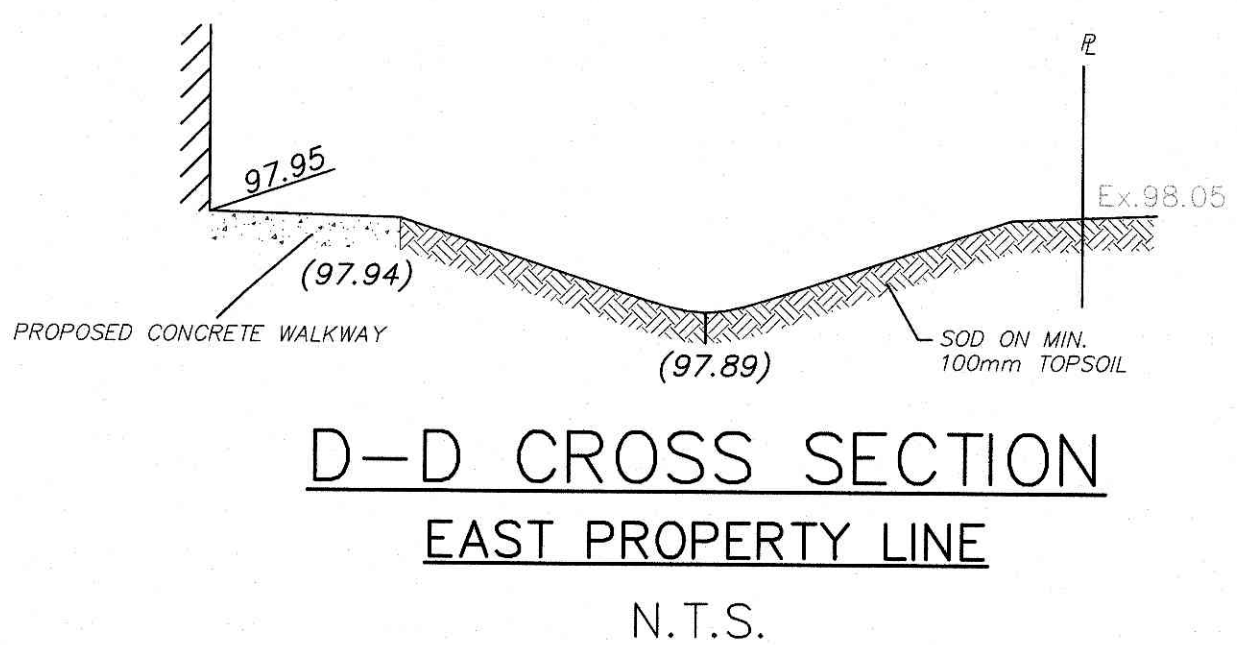
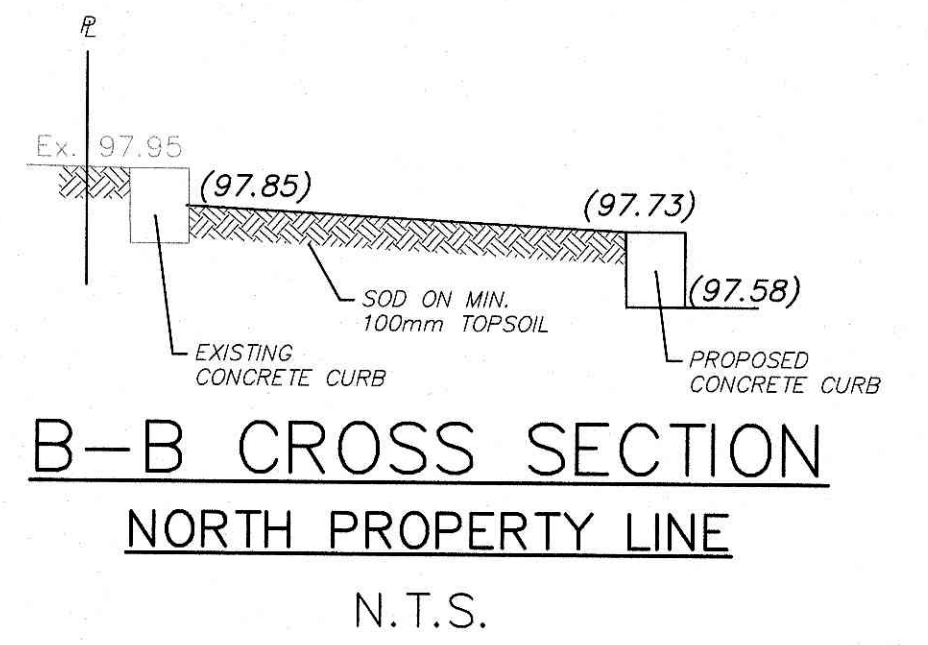
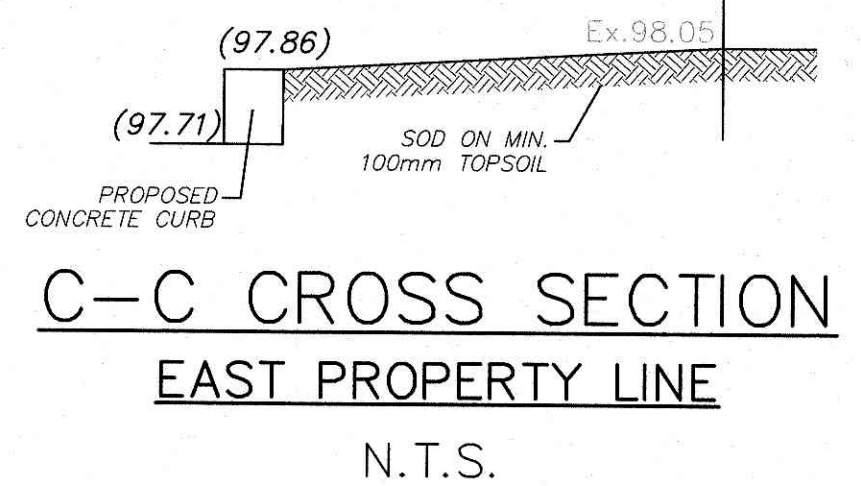
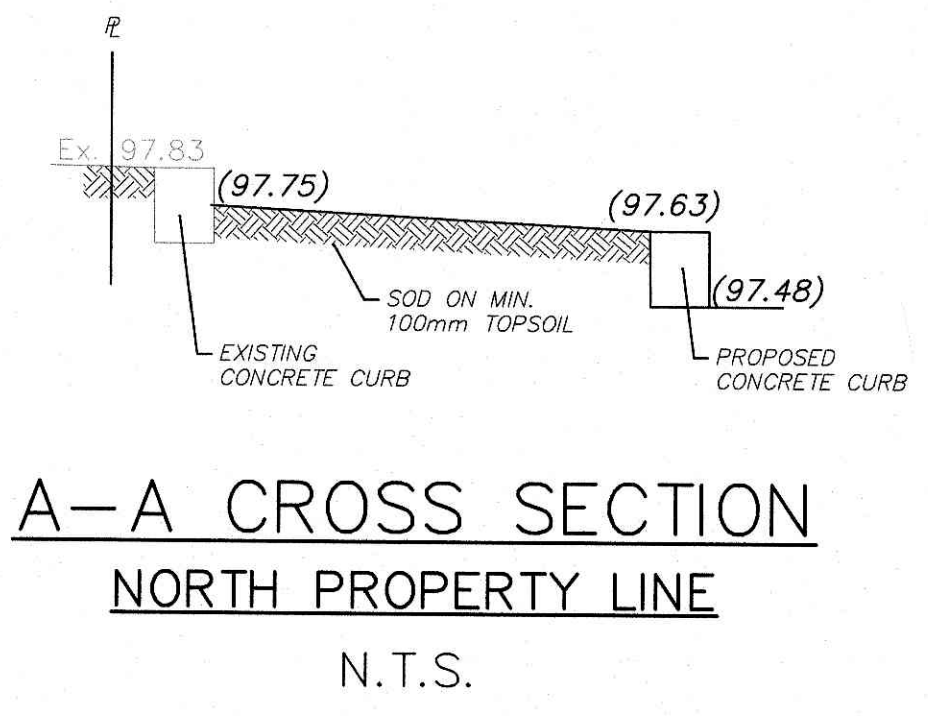
DATE: DEC 2019

DESIGN: B.C.

DRAWN: R.S.

DWG: 188200

SHT: 2

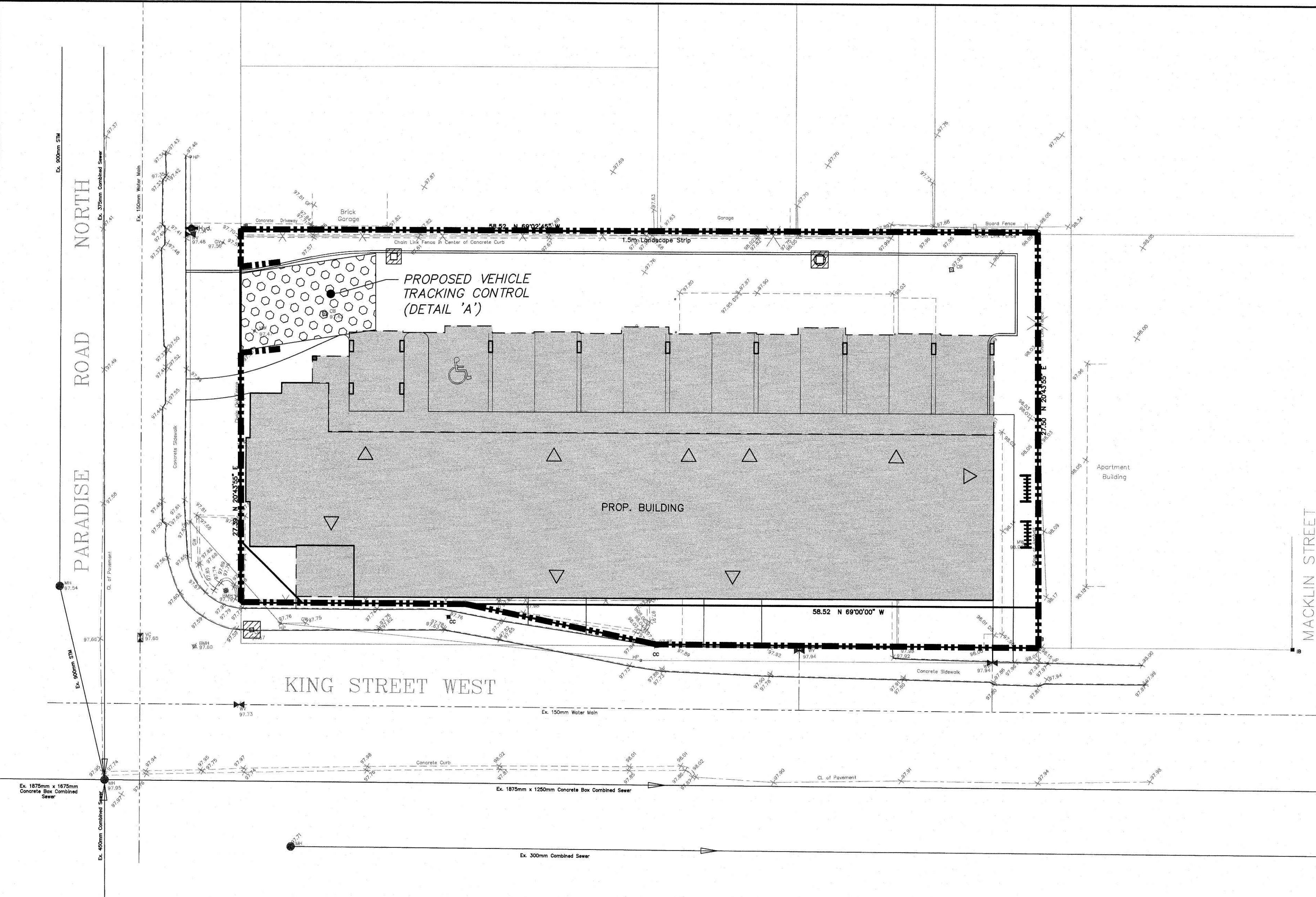


LEGEND

- ±000.00 EXISTING GRADE ADJACENT
- 000.00 ORIGINAL GROUND CONTOUR
- 0000.00 ORIGINAL GROUND ELEVATION (DEC. 2013)
- 0000.00 PROPOSED GROUND ELEVATION
- 0000.00 PROPOSED MIN. FINISHED GRADE AT DWELLING
- [0000.00] PROPOSED MINIMUM BASEMENT FLOOR ELEVATION
- DIRECTION OF SURFACE DRAINAGE SWALE
- DIRECTION OF SHEET FLOW
- SWALE INVERT ELEVATION
- PROPOSED CURB CUT
- SWALE WITH SUBDRAIN
- PROP. BUILDING ENVELOPE
- PROPOSED HYDRANT
- H.P. EXISTING HYDRO POLE
- W.P.S. EXISTING HYDRO POLE & LIGHT STANDARD
- L.S. EXISTING LIGHT STANDARD
- EXISTING DITCH
- PROP. SHEET FLOW
- FUT. OVERLAND FLOW
- PROP. OVERLAND FLOW
- EXISTING BELL PEDESTAL
- EXISTING CATV PEDESTAL
- EXISTING ROAD SIGN
- EXISTING GUYWIRE
- EXISTING CURB STOP
- EXISTING CATCH BASIN
- EXISTING STORM WATER CULVERT
- PROPOSED CURB & GUTTER
- PROPOSED 1.5m SIDEWALK
- EXISTING CURB & GUTTER
- EXISTING FENCE
- EXISTING CONIFEROUS TREE WITH TREE TRUNK Ø IN MILLIMETRES
- EXISTING DECIDUOUS TREE WITH TREE TRUNK Ø IN MILLIMETRES

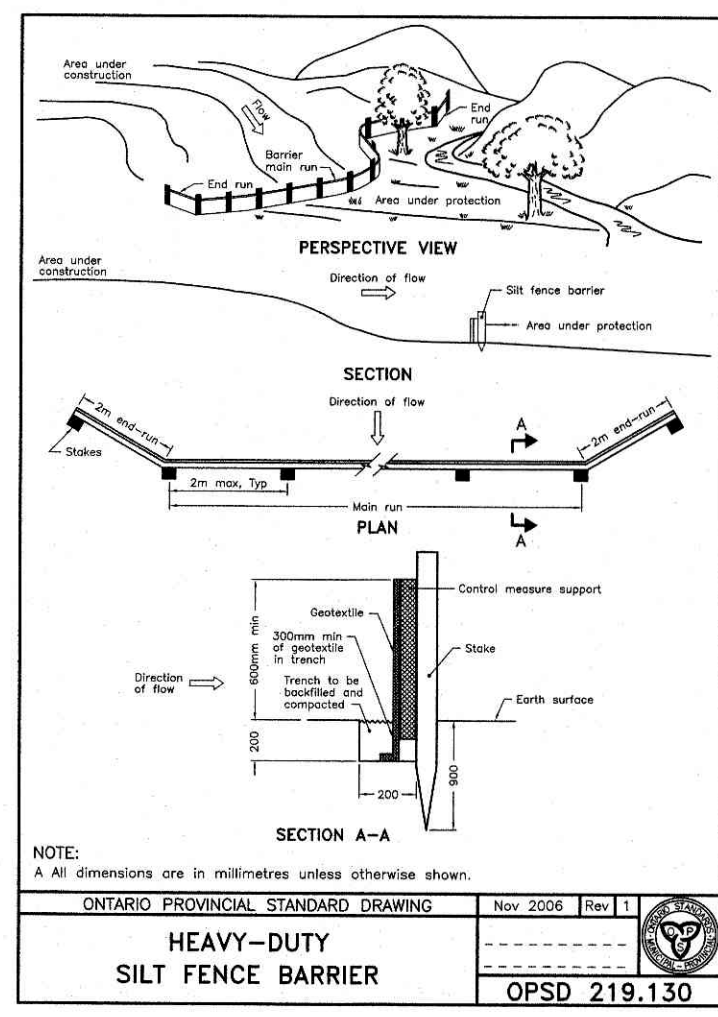
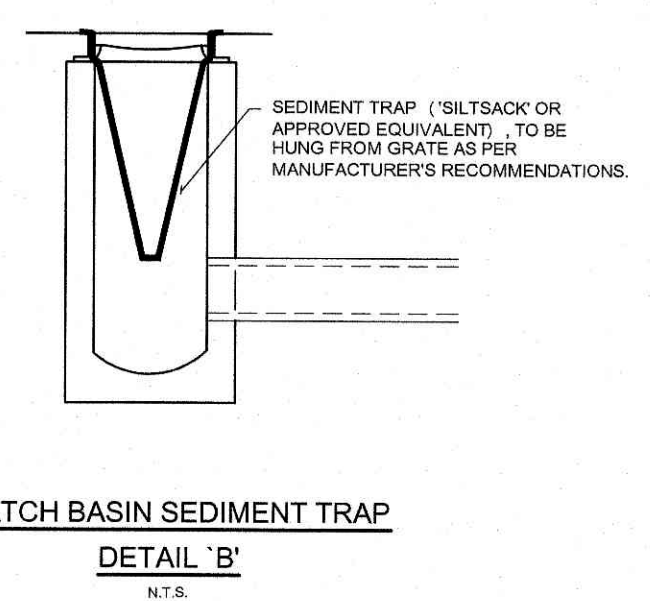
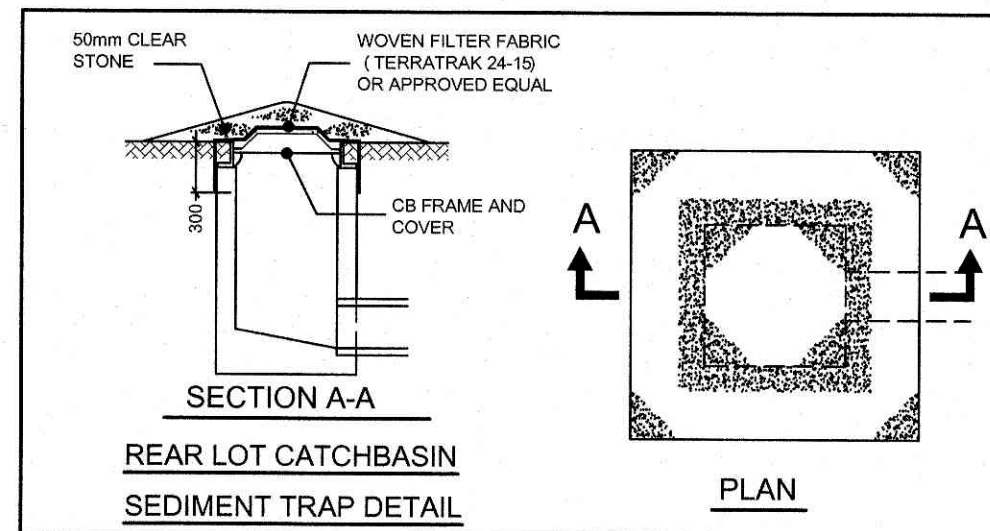
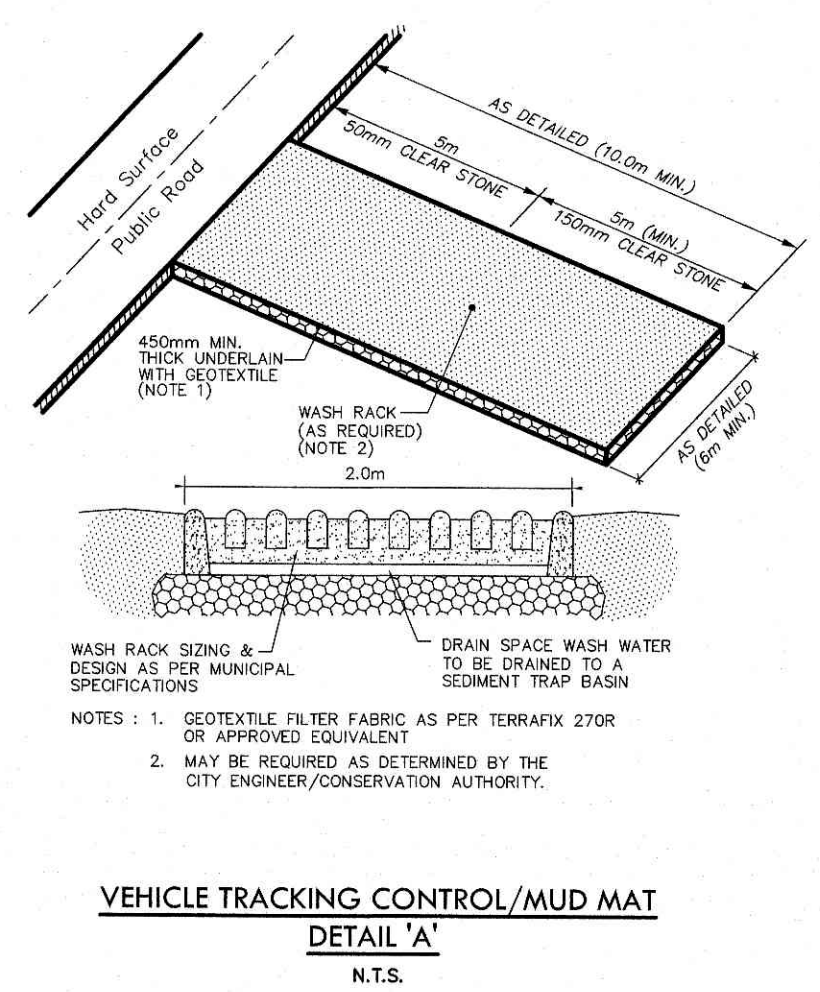
RAINWATER LEADERS
 All building roof drainage shall be directed to the storm sewer lead via the internal mechanical drainage system. Weeping tiles drainage shall be to sump pit and be directed to the building storm connection. All internal building drainage components shall be constructed as per the requirements of the Ontario Building Code.

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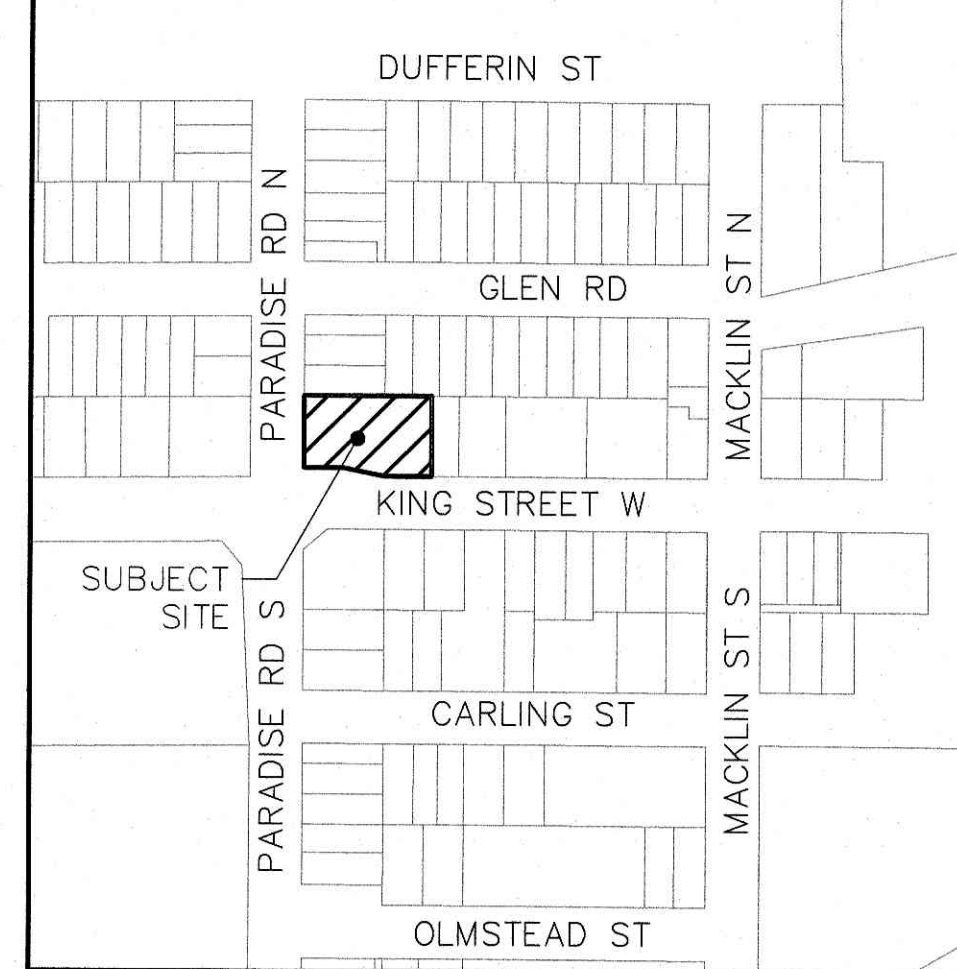
EROSION AND SEDIMENT CONTROL NOTES

- All erosion and sediment control measures (temporary sediment control fences, storm sewer bulkheads, work limit fences, sediment basins, etc.) must be installed prior to development and maintained throughout the construction process, until all disturbed areas have been revegetated. All ESC measures shall be installed as detailed on engineering drawings and as per 'Erosion & Sediment Control Guidelines for Urban Construction', GGHA CAs, December 2008.
- Temporary vehicle tracking controls to be constructed at all access points. Contractor shall maintain these as required and as directed by the City Engineer.
- Sediment control fences shall consist of non-woven filter cloth (Terrafix 270R or approved equivalent) buried 0.2m in the ground, 0.6m high and secured to wire farm fence with 'T' posts at min. 2.4m centres as per OPSS 219.130 and shall be placed where detailed. If excessive sediment buildup/blockage occurs (visual inspection) then replacement of the filter cloth is required. Cut-off swales to be constructed where specified and periodically inspected to ensure that erosion does not occur.
- Catch basin sediment control device, i.e. 'SiltSack' by ACF Environmental or approved equivalent, to be placed as per manufacturer's recommendations (see Detail 'B'). Regular maintenance is required ('SiltSack' sumps shall be inspected for sediment accumulation and filter cloth blockage on a weekly basis). These sediment traps are not to be removed until the curbs have been constructed and the boulevards sodded. Sediment traps shall also be placed at all rear yard catch basins and maintained until ground cover is established (Detail 'C').
- Regular maintenance for all catch basins (street & rear lot) is required (sediment traps and sumps shall be inspected for sediment accumulation, trash build-up and filter cloth blockage on a weekly basis and after any major rainfall event). Accumulated sediment shall be removed by mechanical means. Flushing of sediment into the storm sewer system is prohibited. If standing water remains in the catch basin 24 hours (minimum) after a storm then cleaning or replacement of the filter cloth is required.
- Topsoil piles shall also be temporarily seeded to prevent erosion. Placement of vegetation shall be in accordance with OPSS, MUNI 804. Where required, erosion control blankets shall be placed as per OPSS, MUNI 804, at the direction of the City Engineer.
- All erosion and siltation control measures shall be inspected weekly in addition to inspection after each rainfall event. All deficiencies shall be remedied to the satisfaction of the Engineer.
- Any disturbed subdivision areas not scheduled for further construction within 45 days will be provided with a suitable temporary mulch and seed cover within 7 days of the completion of that particular phase of construction.
- All disturbed external areas shall be revegetated with permanent cover (as detailed) within 7 days of the completion of that particular phase of construction.
- Work limit snow fence shall consist of plastic snow fence supported by steel 'T' posts at min. 2.4m centres.
- Additional erosion and sediment control locations/measures may be required as determined by the City Engineer.



LEGEND:

- SEDIMENT CONTROL FENCE (NON WOVEN-TERRAFIX 270R) (OPSD 219.130)
- STREET CATCH BASIN SEDIMENT TRAP (DETAIL 'B')
- PRIVATE REARYARD CATCH BASIN SEDIMENT TRAP (DETAIL 'C')
- VEHICLE TRACKING CONTROL/ MUD MAT (DETAIL 'A')



KEY PLAN N.T.S.

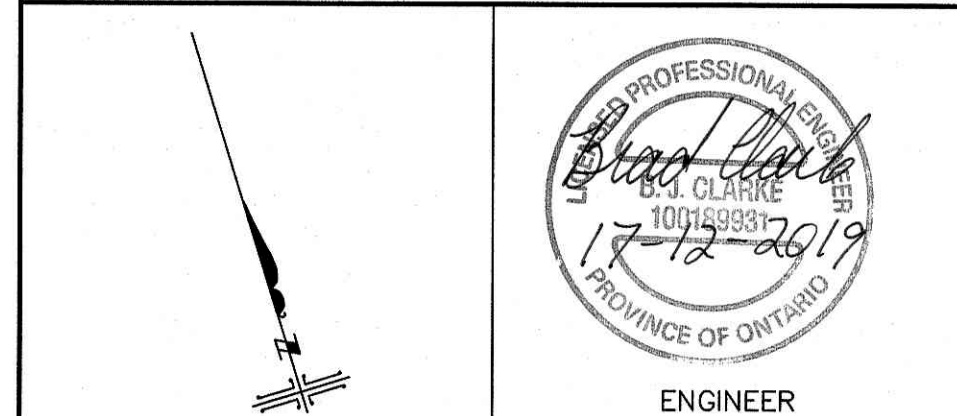
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- CONTRACTOR SHALL VERIFY LOCATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWERS AND WATERMANS, PRIVATE SEWER DRAINS AND WATER SERVICES, GASMAINS, CABLE TV, HYDRO AND TELEPHONE DUCTS, ETC., AT START OF CONSTRUCTION.



PROJECT OWNER:

Gateway Development Group Inc.

NOT ISSUED FOR CONSTRUCTION

MUNICIPALITY:

CITY OF HAMILTON

PROJECT NAME:

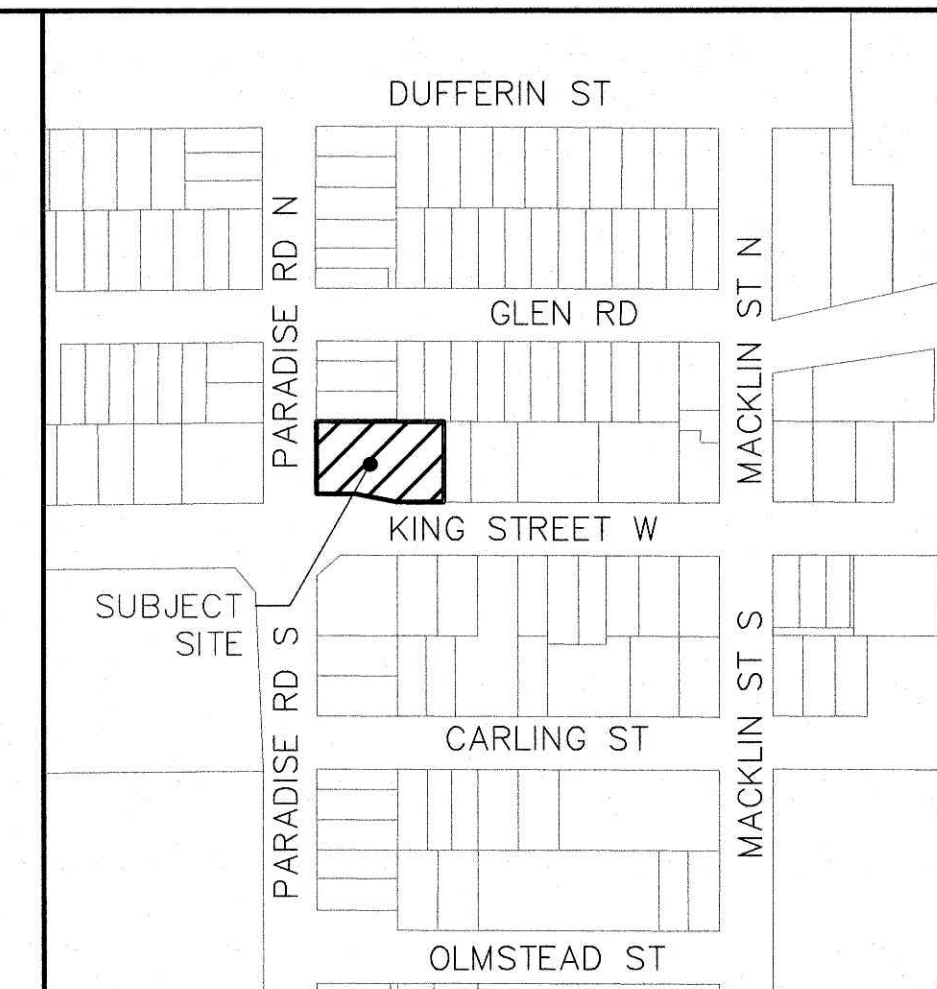
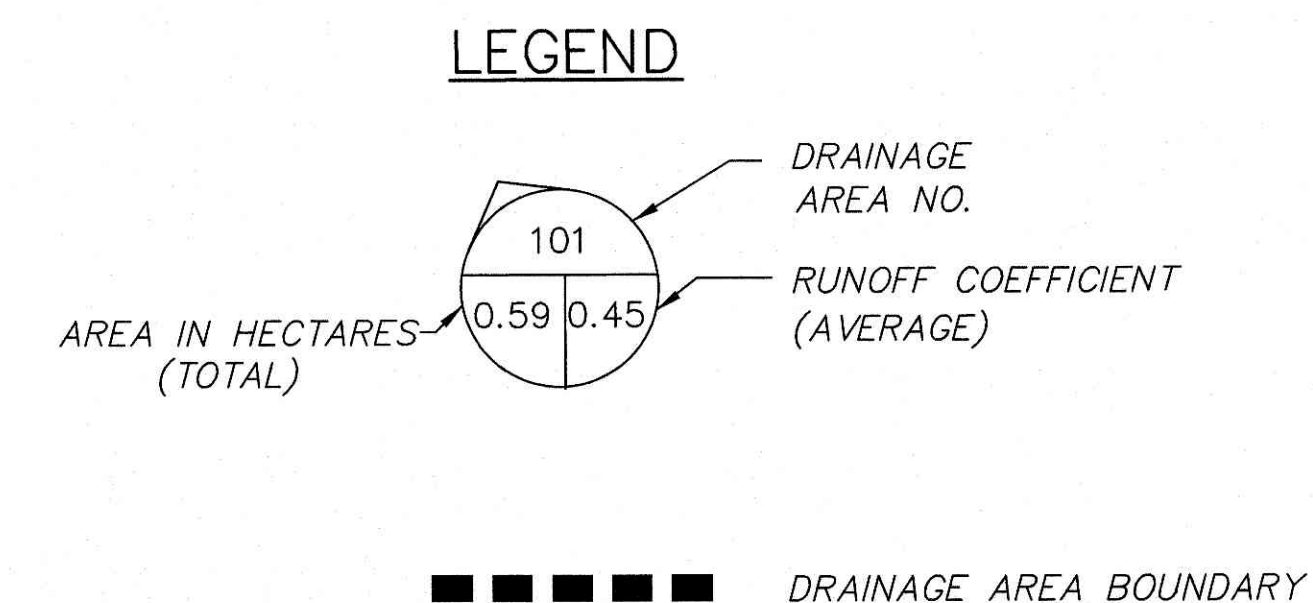
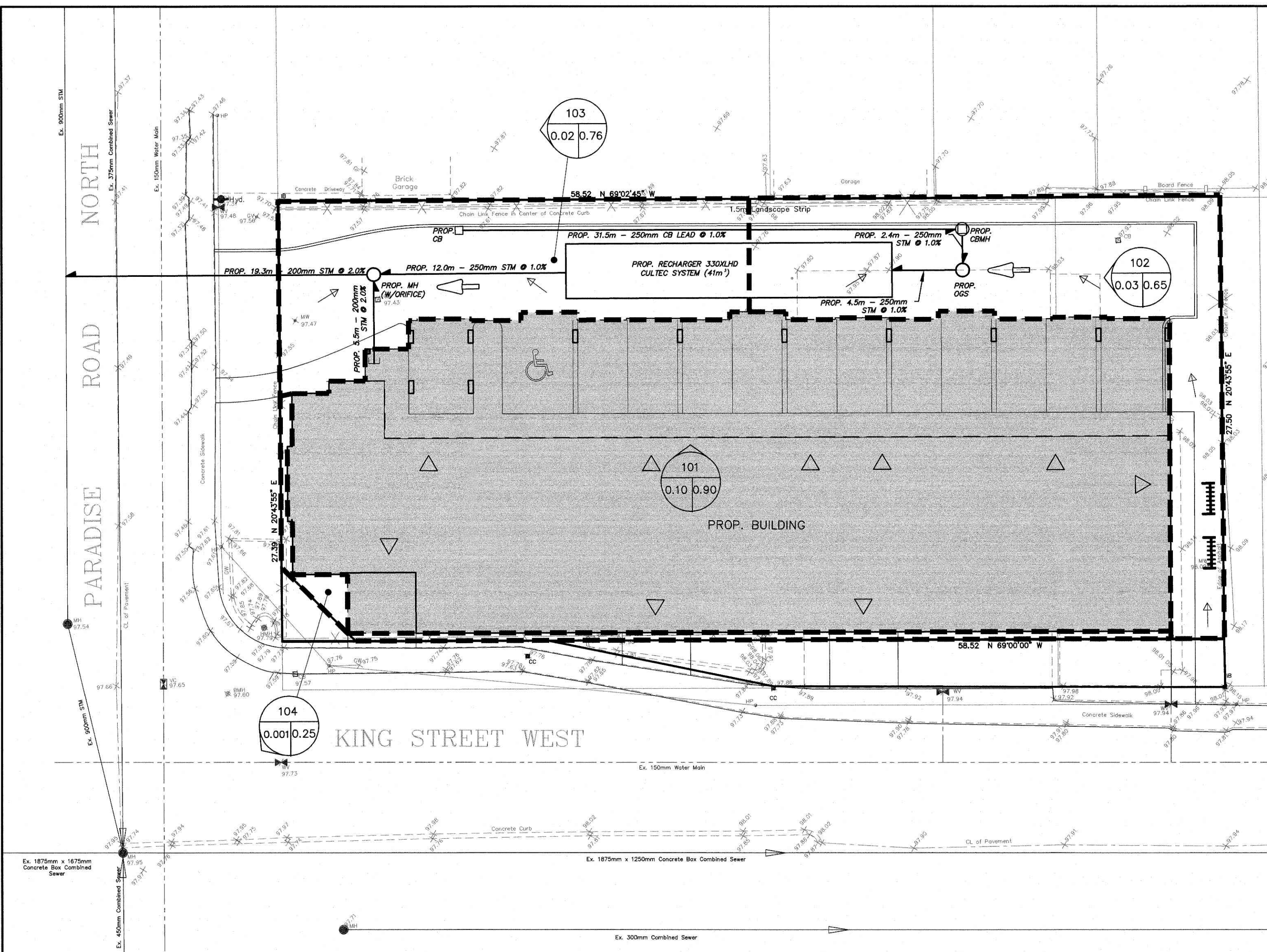
804 - 816 KING STREET WEST

A. J. Clarke and Associates Ltd.
SURVEYORS • PLANNERS • ENGINEERS

25 MAIN STREET WEST, SUITE 300
HAMILTON, ONTARIO L8P 1H1
Tel: 905 528-8761 Fax: 905 528-2289
email: ajc@ajclarke.com

TITLE:
EROSION & SEDIMENT CONTROL PLAN

SCALE: 1:200	DATE: DEC 2019
DESIGN: B.C.	DRAWN: R.S.
DWG: 188200	SHT: 3



KEY PLAN N.T.S.

BENCH MARK
 City of Hamilton Monument 65-U-022
 Elevation: 98.278
 Description: George Allen school at north-west corner of intersection of King street and Bond street, tablet in south concrete foundation wall of newer portion of building, 0.30m from south-east corner 0.50m below brick, 0.60m above road level

No.	Revision	By	Date
1.	REVISED PER CITY COMMENTS	B.C.	09/12/19

REVISIONS			

- GENERAL NOTES**
- TENDERERS SHALL SATISFY THEMSELVES AS TO THE NATURE OF THE GROUND AND BID ACCORDINGLY.
 - ALL ROCK LINE INDICATIONS SHOWN ON THE PLAN MUST BE VERIFIED BY THE CONTRACTOR.
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ENGINEER

PROJECT OWNER:
 Gateway Development Group Inc.

NOT ISSUED FOR CONSTRUCTION

MUNICIPALITY:
 CITY OF HAMILTON

PROJECT NAME:
 804 - 816 KING STREET WEST

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 Tel: 905 528-8761 Fax: 905 528-2289
 email: ajc@ajclarke.com

TITLE:
 STORM DRAINAGE

SCALE: 1:200	DATE: DEC 2019
DESIGN: B.C.	DRAWN: R.S.
DWG: 188200	SHT: 4