

FLOOR PLAN  
SCALE: 3/16" = 1'-0"

2  
A2

10	-	-	7	-	-	4	-	-	1	11-21-2021	PRE-CONSULTATION APPLICATION
11	-	-	8	-	-	5	-	-	2	02-09-2023	PRE-CON APPLICATION NO. 2
12	-	-	9	-	-	6	-	-	3	-	-

REVISIONS

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS INCLUDING DATUM ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND SITE SERVICE DRAWINGS AND REPORT ANY ERRORS OR OMISSIONS TO BICORP DESIGN GROUP LTD. [ B.D.G. ] BEFORE COMMENCING THE WORK.  
  
DRAWINGS MUST NOT BE SCALED  
  
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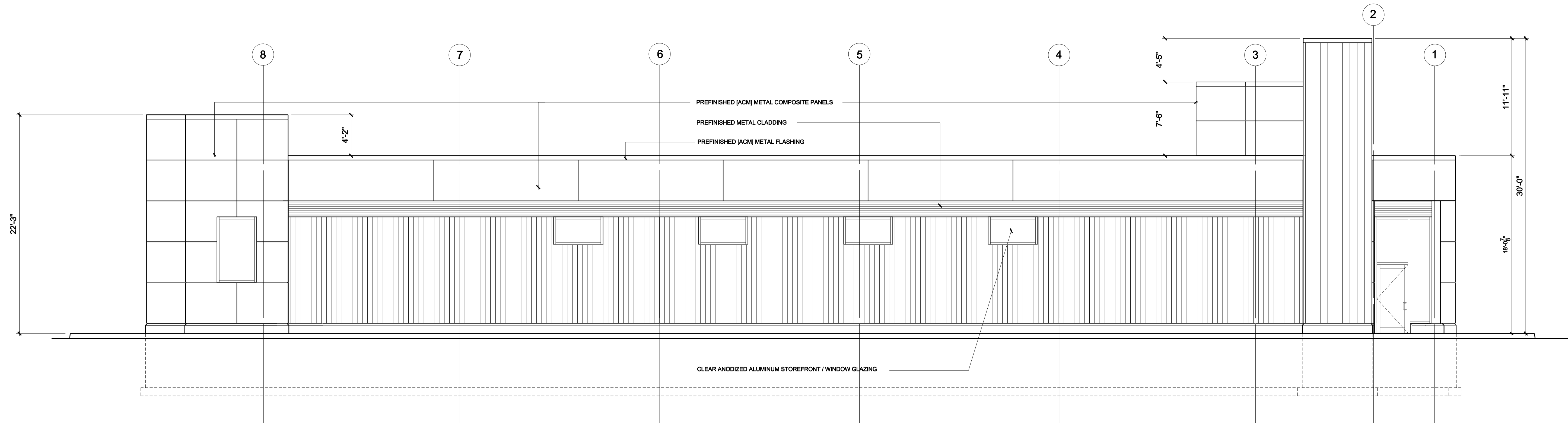


**BICORP DESIGN GROUP LTD.**  
1235 FAIRVIEW STREET, SUITE 290, BURLINGTON, ONTARIO L7S 2K9  
TEL: 416-705-9526  
bicorpdesign@gmail.com

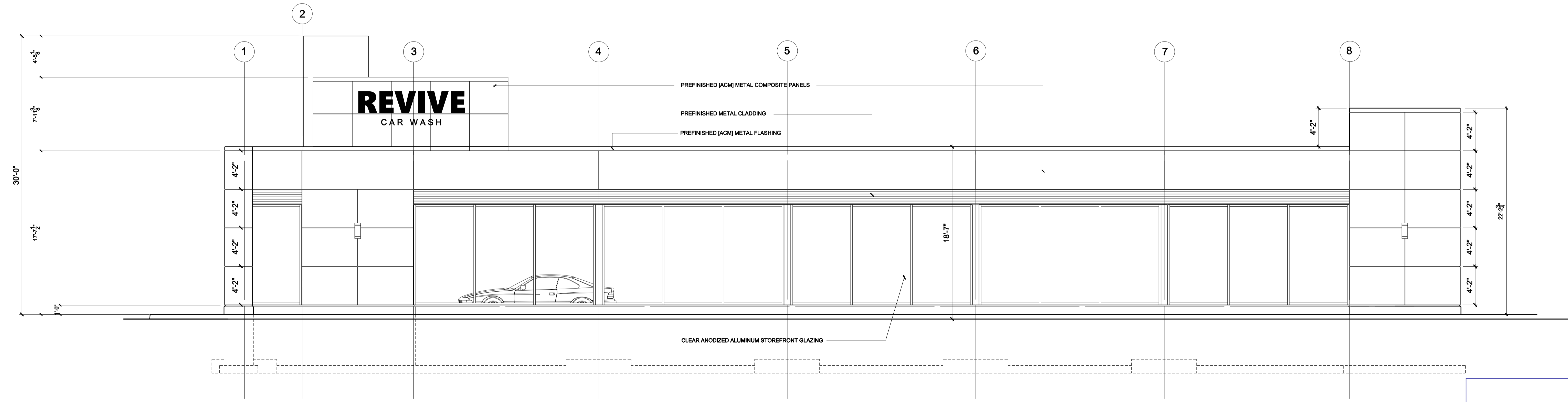
**COLLINGWOOD  
AUTOMATIC CAR WASH**

PROJECT: COLLINGWOOD AUTOMATIC CAR WASH FACILITY  
298 PRETTY RIVER PARKWAY  
COLLINGWOOD, ONTARIO  
TITLE: CAR WASH FLOOR PLAN  
DRAWN BY: R.A. CHECKED BY: D.B. APPROVED BY: D.B.  
SCALE: 1/8" = 1'-0" DATE: JUNE 2021 PRINTED: 02-09-2023

DRAWING NO: **A2**  
PROJECT NO: 2020-21



**NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"  
1  
A3



**SOUTH ELEVATION**  
SCALE: 3/16" = 1'-0"  
2  
A3

10	-	-	7	-	-	4	-	-	1	11-21-2021	PRE-CONSULTATION APPLICATION
11	-	-	8	-	-	5	-	-	2	02-09-2023	PRE-CON APPLICATION NO. 2
12	-	-	9	-	-	6	-	-	3	-	-

**REVISIONS**

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**COLLINGWOOD  
AUTOMATIC CAR WASH**

PROJECT: COLLINGWOOD AUTOMATIC CAR WASH FACILITY  
298 PRETTY RIVER PARKWAY  
COLLINGWOOD, ONTARIO

TITLE: BUILDING ELEVATIONS

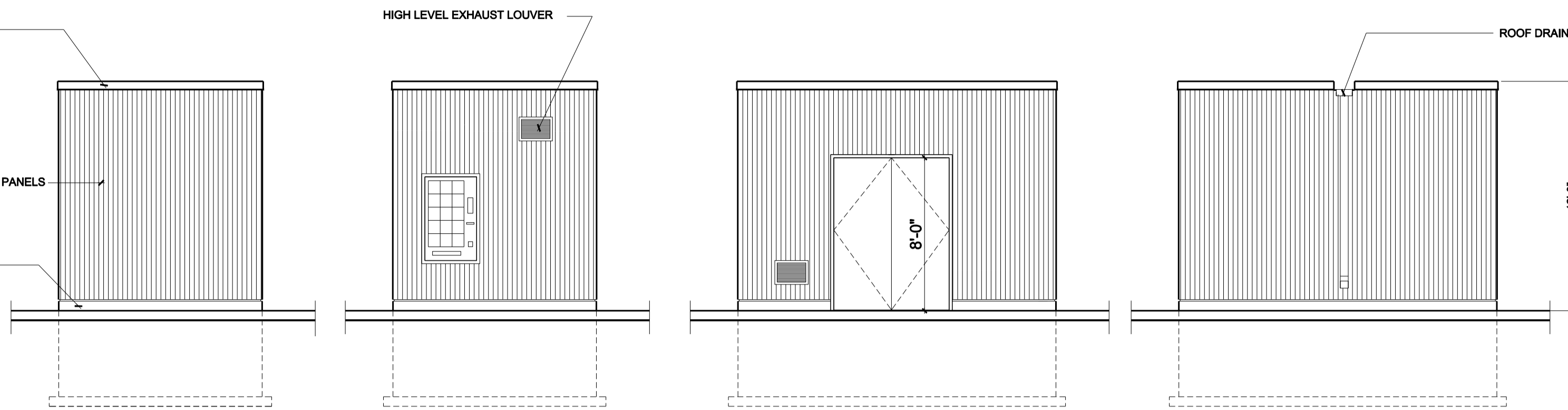
DRAWN BY: R.A. CHECKED BY: D.B. APPROVED BY: D.B.

SCALE: 3/16" = 1'-0" DATE: DECEMBER 2020 PRINTED: 08-10-2021

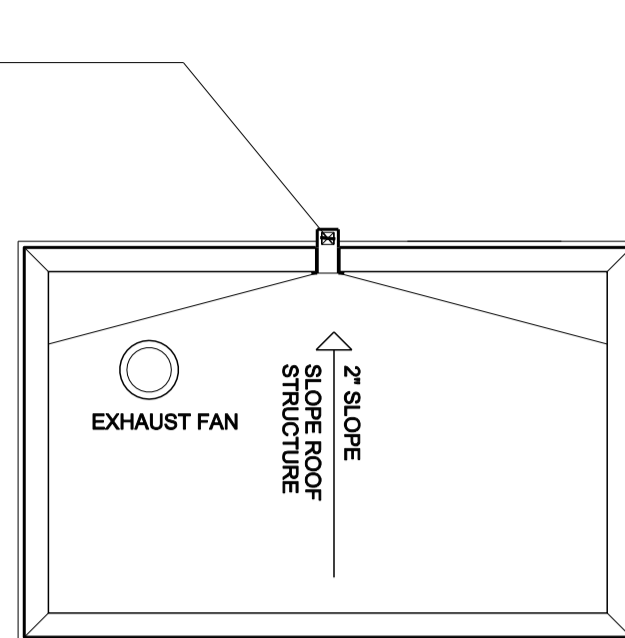
DRAWING NO: **A3**

PROJECT NO: 2020-21

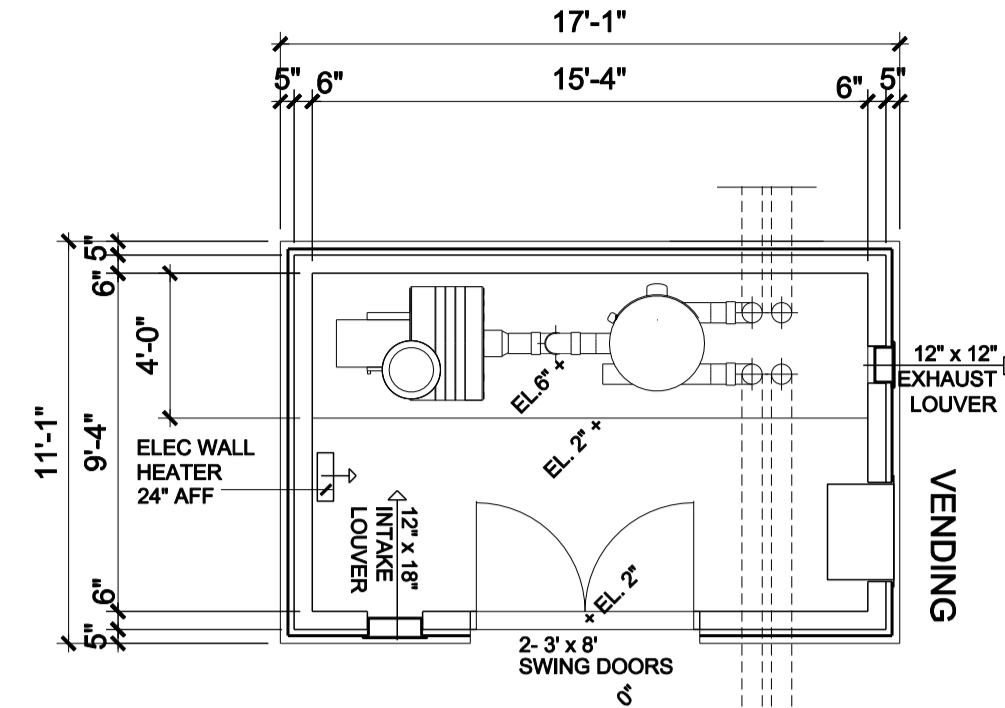
5" PREFINISHED METAL CAP FLASHING  
COLOR: BLACK  
TOP WOOD PARAPET  
COLOR: BLACK  
PREFINISHED CORRUGATED METAL WALL PANELS  
COLOR: BLACK  
CONCRETE BASE CURB  
UIS THICKENED SLAB



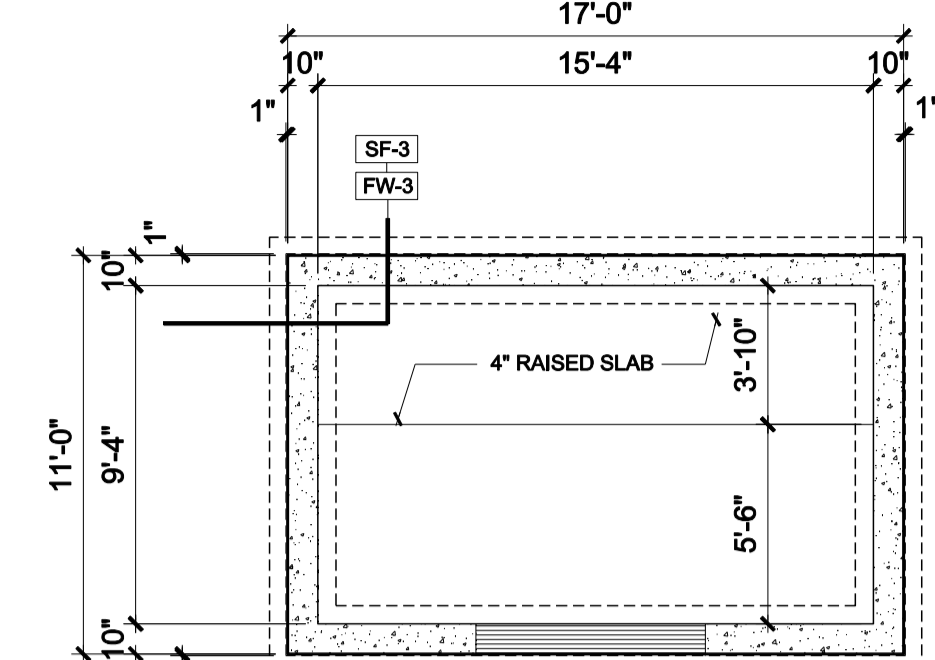
EAST ELEVATION WEST ELEVATION NORTH ELEVATION SOUTH ELEVATION



ROOF PLAN

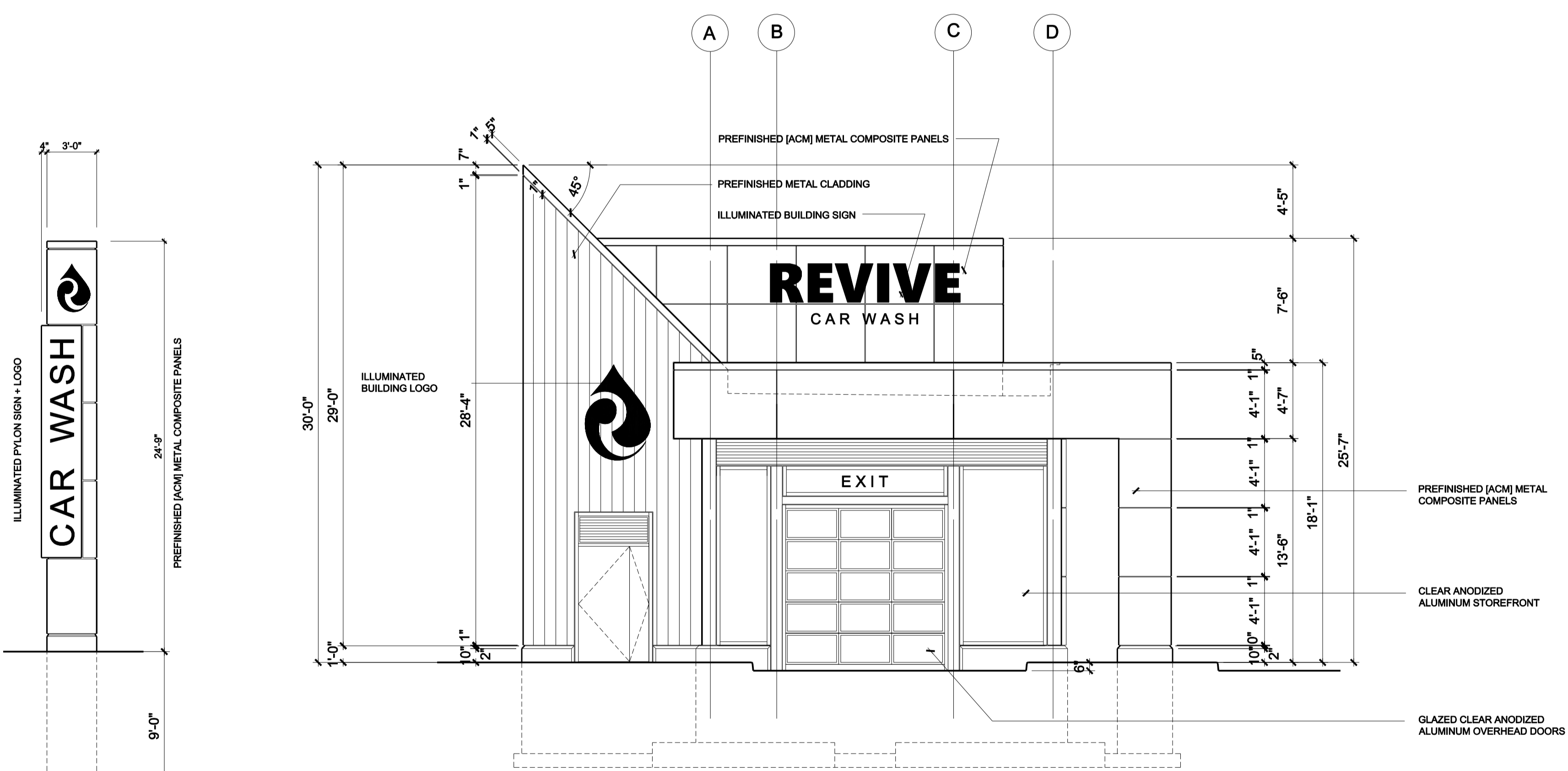


FLOOR PLAN

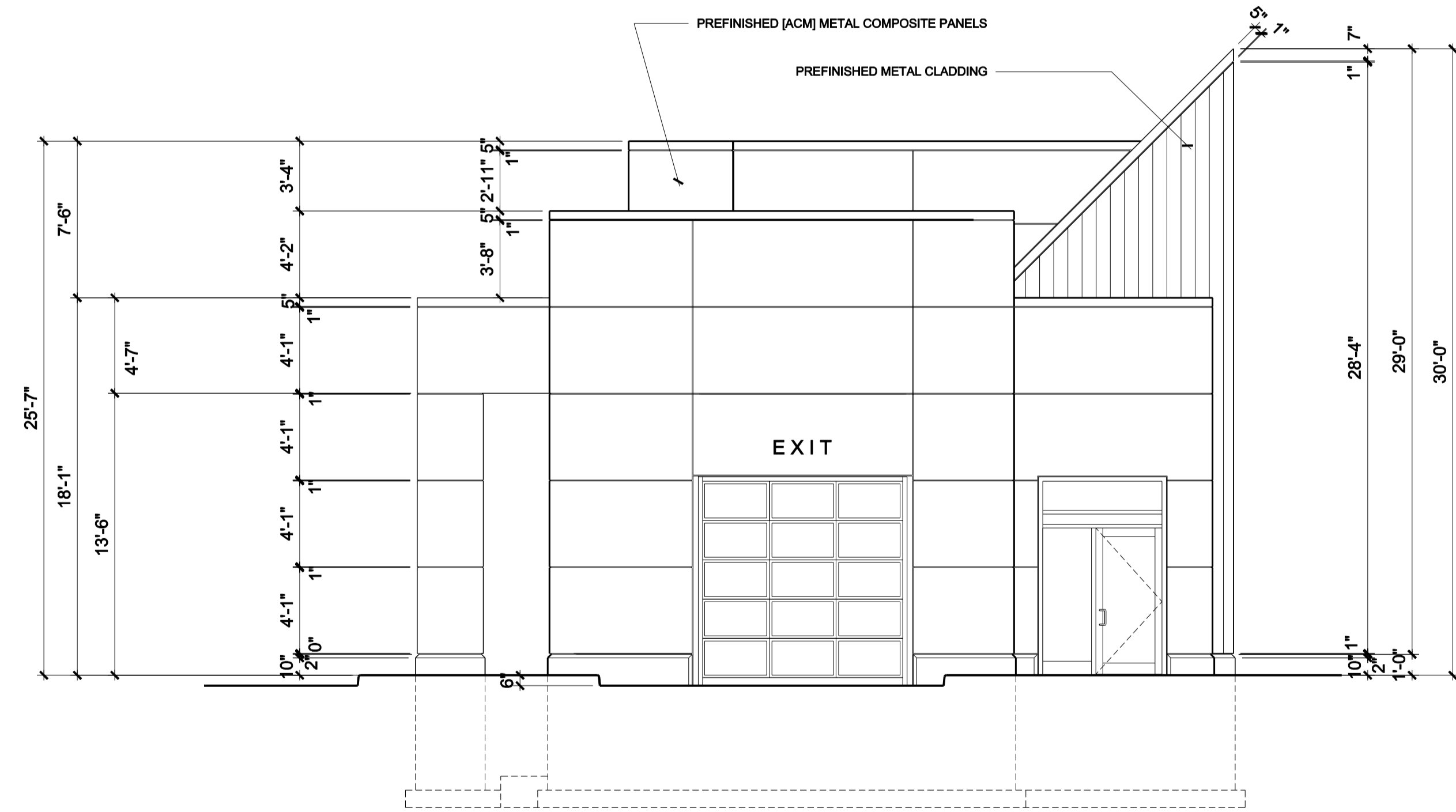


FOUNDATION PLAN

CENTRAL VACUUM ROOM 1  
SCALE: 3/16" = 1'-0" A4



EAST ELEVATION - STREET FACE 3  
SCALE: 3/16" = 1'-0" A4



WEST ELEVATION - RIVER FACE 4  
SCALE: 3/16" = 1'-0" A4

PYLON 2  
SCALE: 3/16" = 1'-0" A4

10	-	-	7	-	-	4	-	-	1	11-21-2021	PRE-CONSULTATION APPLICATION
11	-	-	8	-	-	5	-	-	2	02-09-2023	PRE-CON APPLICATION NO. 2
12	-	-	9	-	-	6	-	-	3	-	-

REVISIONS

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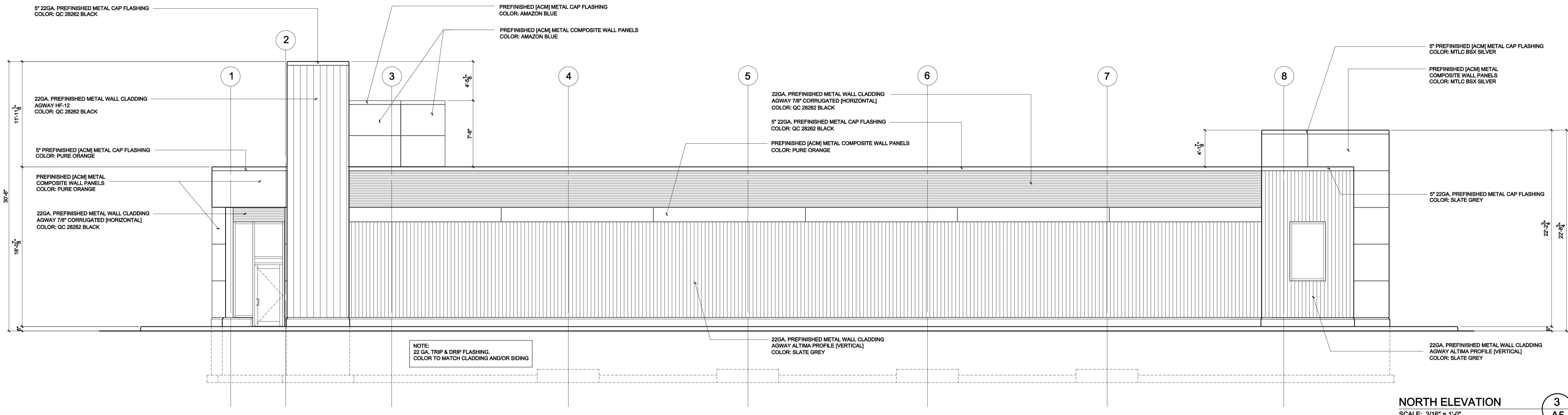


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**COLLINGWOOD  
AUTOMATIC CAR WASH**

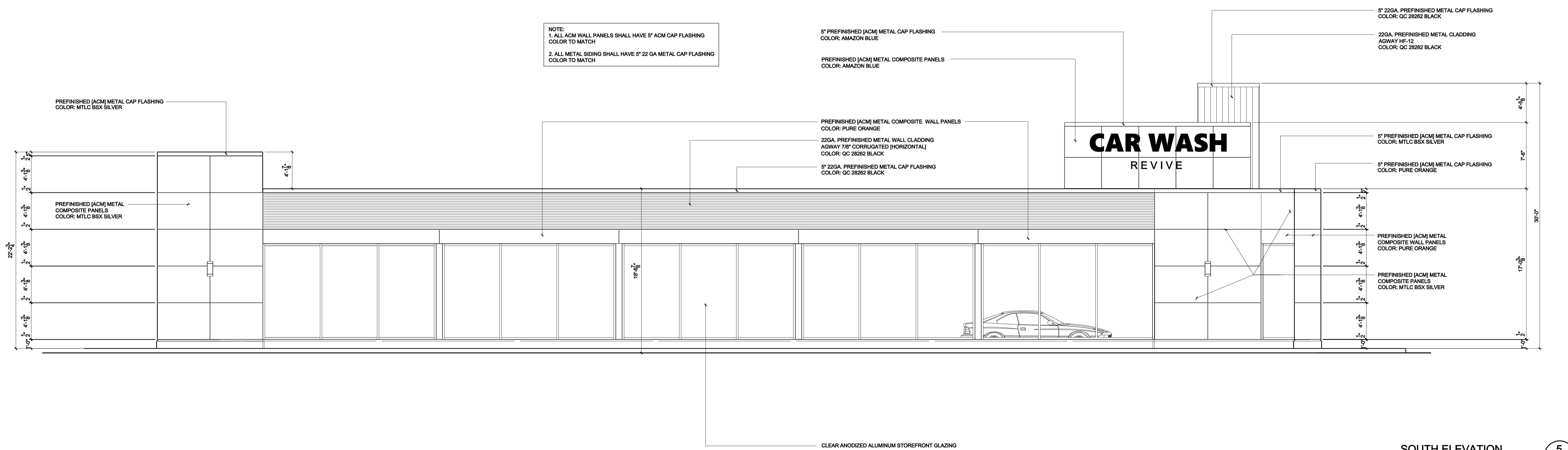
PROJECT:  
**COLLINGWOOD AUTOMATIC CAR WASH FACILITY**  
298 PRETTY RIVER PARKWAY  
COLLINGWOOD, ONTARIO  
TITLE:  
**BUILDING ELEVATIONS**  
DRAWN BY: R.A. CHECKED BY: D.B. APPROVED BY: D.B.  
SCALE: 3/16" = 1'-0" DATE: DECEMBER 2020 PRINTED:

DRAWING NO:  
**A4**  
PROJECT NO:  
**2020-21**



**NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"

3  
A5



**SOUTH ELEVATION**  
SCALE: 3/16" = 1'-0"

5  
A5

10	-	-	7	-	-
11	-	-	8	-	-
12	-	-	9	-	-

4	-	-
2	-	-
3	-	-

1	02-26-2024	ISSUED FOR PERMIT APPLICATION
2	-	-
3	-	-

REVISIONS			
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**REVIVE CAR WASH**  
COLLINGWOOD ONTARIO

PROJECT: COLLINGWOOD CAR WASH  
288 PRETTY RIVER PARKWAY NORTH  
COLLINGWOOD, ONTARIO

TITLE: BUILDING ELEVATIONS

DRAWN BY: R.A. CHECKED BY: D.B. APPROVED BY: D.B.

SCALE: 3/16" = 1'-0" DATE: JUNE 2021 PRINTED: 02-26-2024

DRAWING NO: **A5**

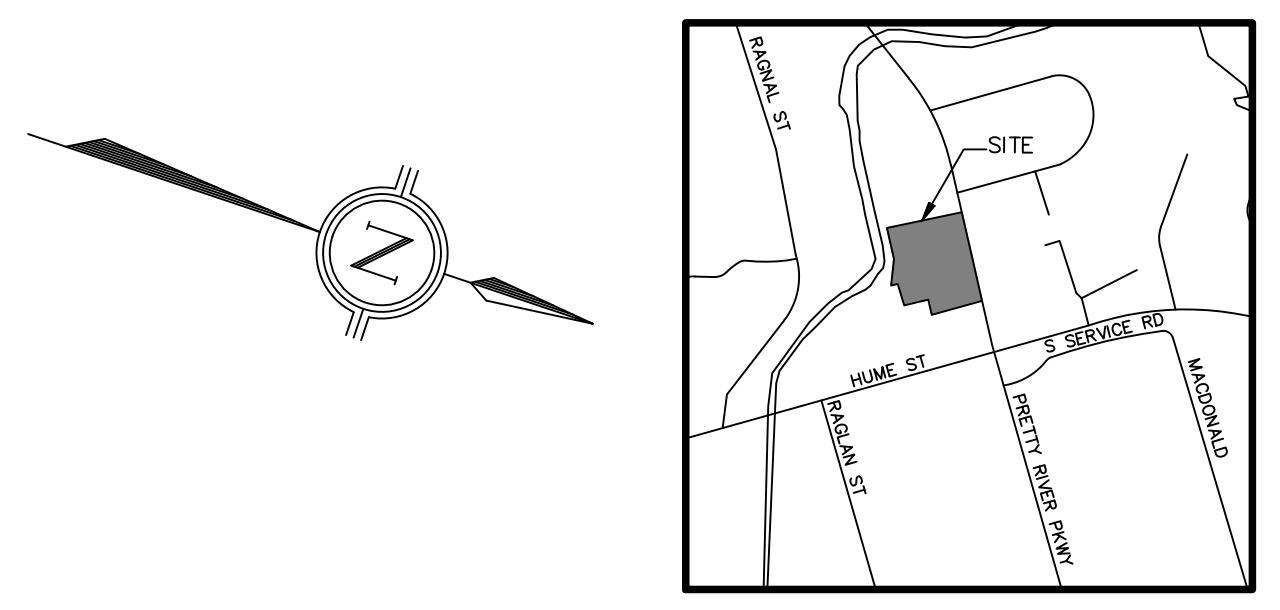
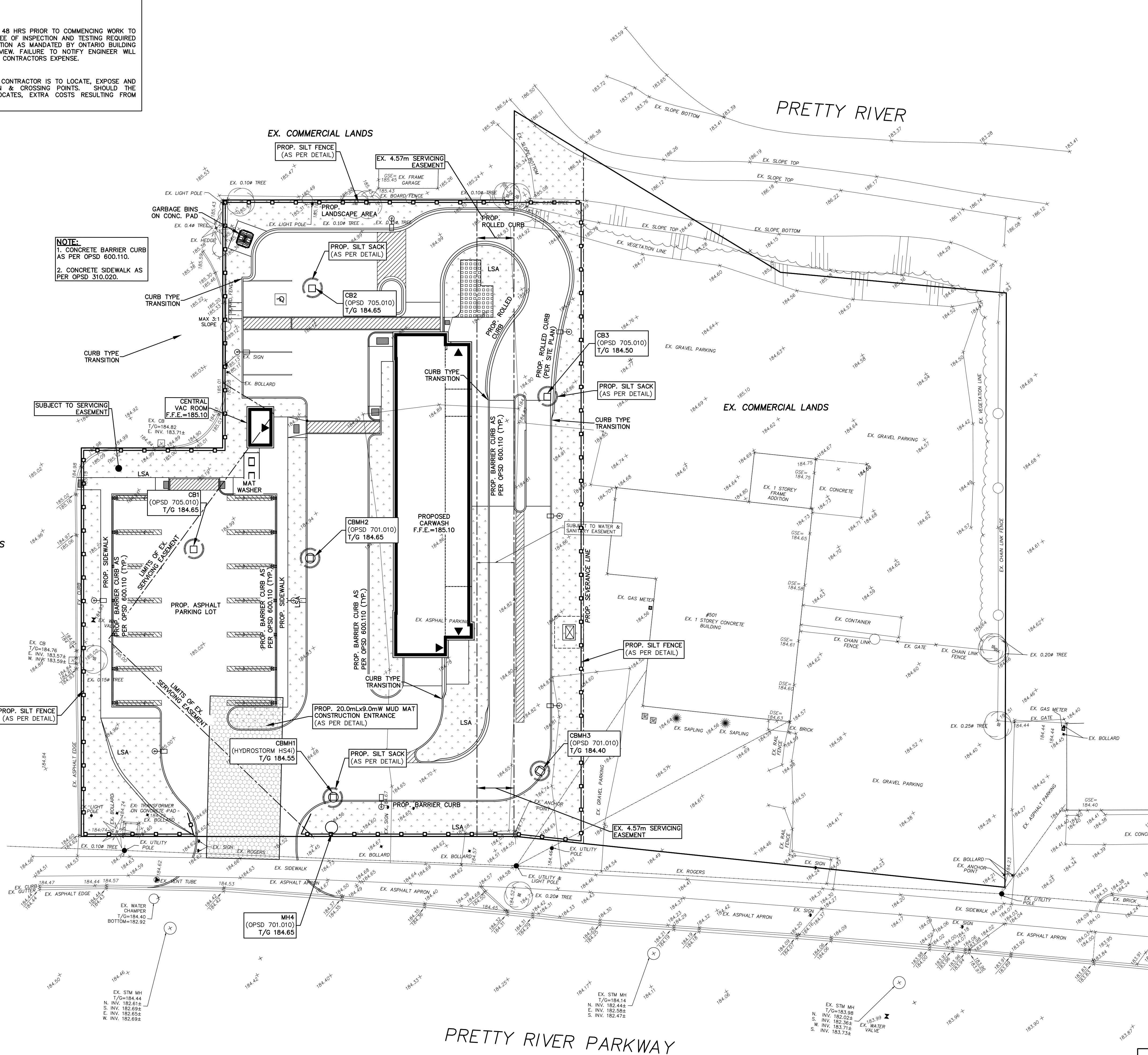
PROJECT NO: 2020-21



**NOTES TO CONTRACTOR:**

- INSPECTION**  
 CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS**  
 72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION & CROSSING POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

**NOTE:**  
 1. CONCRETE BARRIER CURB AS PER OPSD 600.110.  
 2. CONCRETE SIDEWALK AS PER OPSD 310.020.



**LEGEND:**

(Symbol)	EXISTING GROUND ELEVATION
(Symbol)	EXISTING CATCHBASIN
(Symbol)	EXISTING STORM/SANITARY MANHOLE
(Symbol)	PROPOSED CATCHBASIN
(Symbol)	PROPOSED CATCHBASIN MANHOLE
(Symbol)	PROPOSED STORM/SANITARY MANHOLE
(Symbol)	PROPOSED CATCHBASIN SILT SACK
(Symbol)	PROPOSED SILTATION CONTROL FENCE
(Symbol)	EMBANKMENT
(Symbol)	PROPOSED ROLLED CURB
(Symbol)	PROPOSED ROLLED CURB

**BENCH MARK NOTE:**  
 ELEVATIONS ARE GEODETIC AND REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD28) BY DIRECT MEASUREMENT TO A REAL TIME NETWORK.

NO.	DATE	BY	REVISIONS
04	AUG 27/24	MC	REVISED PER COMMENTS
03	FEB 14/24	MC	REVISED PER COMMENTS
02	SEPT 20/23	MC	ISSUED FOR SPA
01	SEPT 15/23	MC	REVISED SITE PLAN

**NOTES TO CONTRACTOR:**

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DESIGN	MC	CHK'D	SF	DATE
DRAWN	FG	CHK'D	SF	Aug. 27, 24

SCALE 1:250

**APPROVALS**

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**S. LLEWELLYN & ASSOCIATES LIMITED**  
 CONSULTING ENGINEERS

Tel. (905) 631-6978  
 Website: www.sla.on.ca  
 email: info@sla.on.ca

3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

**CLIENT**

**BICORP DESIGN GROUP**  
 1235 FAIRVIEW STREET, SUIT 290  
 BURLINGTON, ONTARIO

**PROJECT NAME**

**REVIVE CAR WASH**  
 298 PRETTY RIVER PARKWAY  
 TOWN OF COLLINGWOOD, ONTARIO

**TITLE**

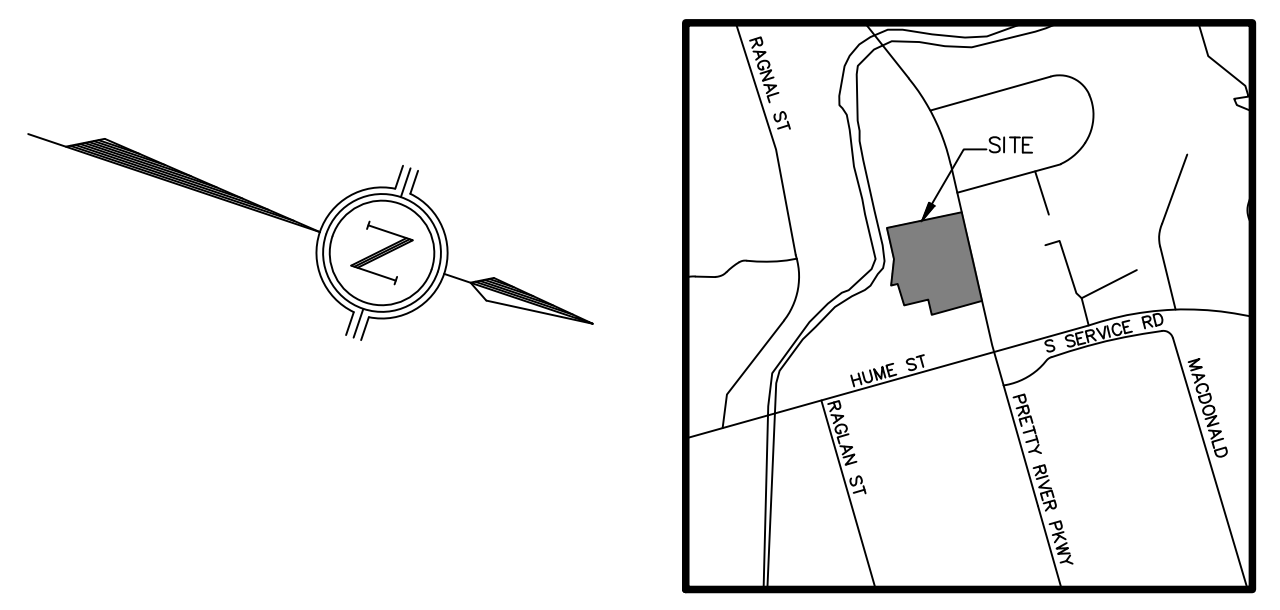
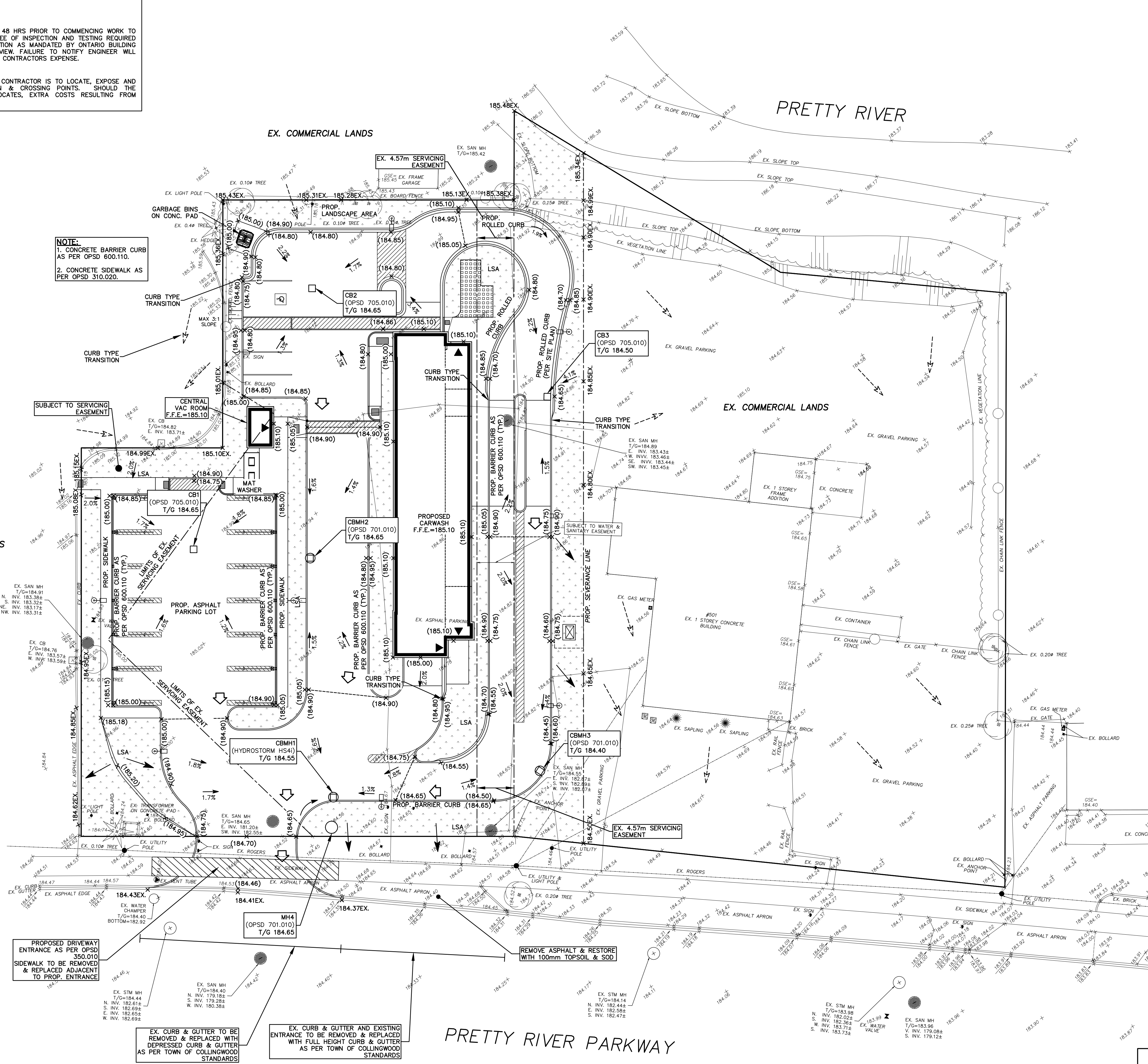
**EROSION & SEDIMENT CONTROL PLAN**

PROJECT No. 23011 DRAWING No. C100

**NOTES TO CONTRACTOR:**

- INSPECTION**  
 CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS**  
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**NOTE:**  
 1. CONCRETE BARRIER CURB AS PER OPSD 600.110.  
 2. CONCRETE SIDEWALK AS PER OPSD 310.020.



- LEGEND:**
- (209.00) EXISTING GROUND ELEVATION
  - × (209.00) EX. PROPOSED ELEVATION TO MATCH EXISTING
  - 2.0% PROPOSED DIRECTION OF SHEET FLOW
  - EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED CATCHBASIN MANHOLE
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - EXISTING DIRECTION OF DRAINAGE
  - PROPOSED OVERLAND FLOW ROUTE
  - PROPOSED CATCHBASIN SILT SACK
  - PROPOSED SILTATION CONTROL FENCE
  - ▬ (TOP) 3.1% MAX (BOTTOM) EMBANKMENT
  - ▬ PROPOSED ROLLED CURB
  - ▬ PROPOSED ROLLED CURB

**BENCH MARK NOTE:**  
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03	FEB 14/24	MC	REVISED PER COMMENTS
02	SEPT 20/23	MC	ISSUED FOR SPA
01	SEPT 15/23	MC	REVISED SITE PLAN

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DESIGN	MC	CHK'D	SF	DATE
DRAWN	FG	CHK'D	SF	Aug. 27, 24

SCALE 1:250

**APPROVALS**

STAMP

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 Website: www.sla.on.ca  
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 3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

**CLIENT**  
 BICORP DESIGN GROUP  
 1235 FAIRVIEW STREET, SUIT 290  
 BURLINGTON, ONTARIO

**PROJECT NAME**  
 REVIVE CAR WASH  
 298 PRETTY RIVER PARKWAY  
 TOWN OF COLLINGWOOD, ONTARIO

**TITLE**  
 SITE GRADING PLAN

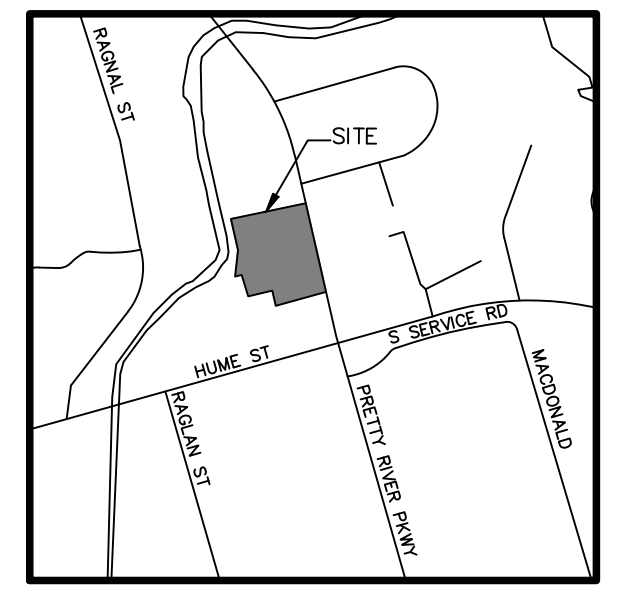
**PROJECT No.** 23011 **DRAWING No.** C101

**NOTES TO CONTRACTOR:**

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**NOTE:**  
 1. CONCRETE BARRIER CURB AS PER OPSD 600.110.  
 2. CONCRETE SIDEWALK AS PER OPSD 310.020.

**NOTE:**  
 1. EXISTING UNUSED SERVICES ARE TO BE ABANDONED AS PER THE TOWN OF COLLINGWOOD STANDARDS.  
 2. CONTRACTOR TO CONFIRM WATER SERVICES MATERIAL WITH THE TOWN OF COLLINGWOOD PRIOR TO CONSTRUCTION.



- LEGEND:**
- EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - ⊕ PROPOSED WATER METER
  - ⊕ PROPOSED BACKFLOW PREVENTOR
  - SEWER CROSSING

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DRAWN	FG	CHK'D	SF	Aug. 27, 24

SCALE 1:250

**APPROVALS**

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**CLIENT**

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 1235 FAIRVIEW STREET, SUIT 290  
 BURLINGTON, ONTARIO

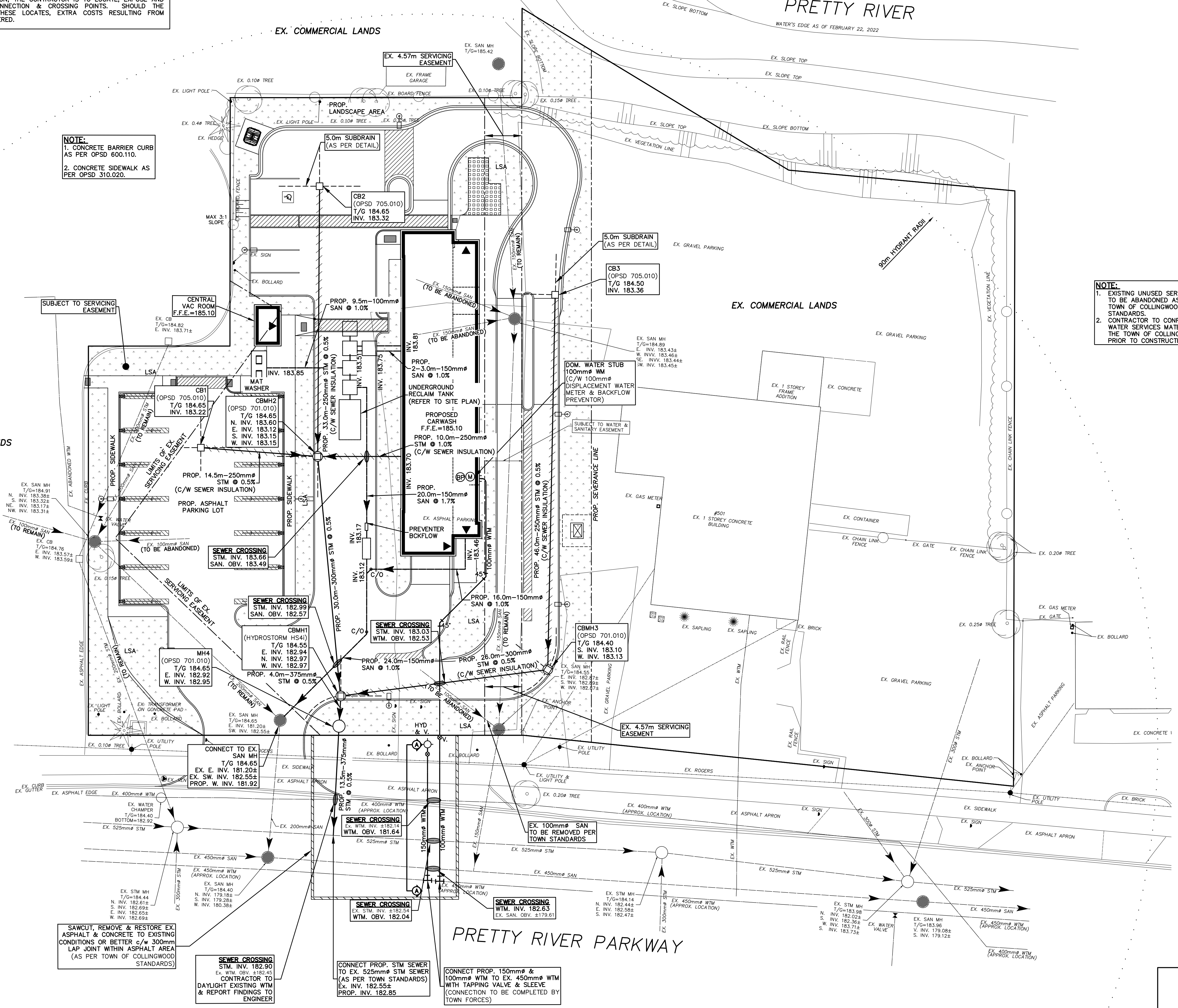
**PROJECT NAME**

**REVIVE CAR WASH**  
 298 PRETTY RIVER PARKWAY  
 TOWN OF COLLINGWOOD, ONTARIO

**TITLE**

**SITE SERVICING PLAN**

**PROJECT No.** 23011 **DRAWING No.** C102



**GENERAL NOTES**

- THIS/THESE PLAN(S) IS/ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SEALED BY THE ENGINEER AND INDICATED ISSUED FOR CONSTRUCTION ON THE DRAWING.
- THIS/THESE PLAN(S) IS/ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF S. LLEWELLYN AND ASSOCIATES LIMITED.
- INFORMATION REGARDING ANY EXISTING SERVICES AND/OR UTILITIES SHOWN ON THE APPROVED SET OF DRAWINGS ARE FURNISHED AS THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL INTERPRET THIS INFORMATION AS HE SEES FIT WITH THE UNDERSTANDING THAT THE OWNER AND HIS AGENTS DISCLAIM ALL RESPONSIBILITY FOR ITS ACCURACY AND/OR SUFFICIENCY. THE CONTRACTOR SHALL ASSUME LIABILITY FOR ANY DAMAGE TO EXISTING WORKS.
- EXISTING TOPOGRAPHIC AND LEGAL INFORMATION TAKEN FROM PLANS PREPARED BY IBW SURVEYING, DATED FEB 24, 2022.
- SITE PLAN INFORMATION TAKEN FROM PLANS PREPARED BY BICORP DESIGN GROUP LTD.
- THIS/THESE PLAN(S) TO BE READ IN CONJUNCTION WITH THE FUNCTIONAL SERVICING & STORMWATER MANAGEMENT (SWM) REPORT PREPARED BY S. LLEWELLYN AND ASSOCIATES LIMITED.
- THIS (THESE) PLAN(S) TO BE USED FOR SERVICING AND GRADING ONLY, FOR BUILDING LOCATION REFER TO THE SITE PLAN.
- MUNICIPAL APPROVAL OF THESE DRAWINGS IS FOR MATERIAL AND COMPLIANCE WITH TOWN OF COLLINGWOOD AND PROVINCIAL SPECIFICATIONS AND STANDARDS ONLY. APPROVAL AND INSPECTION OF THE WORKS BY THE TOWN OF COLLINGWOOD STAFF DOES NOT CERTIFY THE LINE AND GRADE OF THE WORKS NOR RELIEVE THE CONTRACTOR OF CERTIFICATION OF ALL WORKS BY THE OWNER'S ENGINEER.
- ALTERNATE MATERIALS MAY BE ACCEPTABLE PROVIDED WRITTEN APPROVAL HAS FIRST BEEN OBTAINED FROM THE TOWN OF COLLINGWOOD AND THE ENGINEER.
- PRIOR TO CONSTRUCTION THE CONTRACTOR MUST:
  - CHECK AND VERIFY ALL DIMENSIONS AND EXISTING ELEVATIONS WHICH INCLUDE BUT ARE NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS, EXISTING INVERTS AND REPORT FINDING IN WRITING TO THE ENGINEER.
  - OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.
  - VERIFY ALL FINISHED FLOOR ELEVATIONS AND BASEMENT FLOOR ELEVATIONS WHICH MAY APPEAR ON THESE PLANS COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
  - CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.
  - NOTIFY THE ENGINEER OF THE PROPOSED CONSTRUCTION SCHEDULE FOR COORDINATION OF NECESSARY INSPECTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER 48 HOURS PRIOR TO THE COMMENCING SITE WORKS TO ARRANGE FOR INSPECTION. THE ENGINEER SHALL DETERMINE THE EXTENT OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF THE UNDERGROUND SERVICE INSTALLATION AS MANDATED BY THE ONTARIO BUILDING CODE, PART 1, SECTION 4.2.2, GENERAL REVIEW. FAILURE TO MAKE SUITABLE ARRANGEMENTS FOR INSPECTION WILL LEAD TO POST CONSTRUCTION TESTING AND INSPECTION AS DETERMINED BY THE ENGINEER. THE COSTS OF WHICH INCLUDING ANY DELAYS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. PAYMENT FOR UNINSPECTED WORKS MAY BE WITHHELD UNTIL THE COMPLETION OF THE POST CONSTRUCTION INSPECTION AND TESTING TO THE SATISFACTION OF THE ENGINEER.
- INSPECTION BY THE OWNER'S ENGINEER IS FOR CERTIFICATION AND GENERAL PERFORMANCE PURPOSES AND DOES NOT CERTIFY LINE AND GRADE OR IMPLY AN ASSURANCE OF QUALITY CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE WORKS TO PROPER LINE, GRADE AND QUALITY TO CURRENT INDUSTRY STANDARDS.
- ANY UTILITY RELOCATIONS AND RESTORATIONS DUE TO THE DEVELOPMENT TO BE UNDERTAKEN AT THE EXPENSE OF THE OWNER/DEVELOPER AND SHALL BE COORDINATED BY THE CONTRACTOR.
- ALL RESTORATIONS AND RECONSTRUCTIONS SHALL BE TO COMPLETED TO MATCH EXISTING CONDITIONS OR BETTER AND ARE TO BE PERFORMED TO THE SATISFACTION OF THE ENGINEER AND THE TOWN OF COLLINGWOOD.
- SERVICING CONTRACTOR TO MAINTAIN A "CONFINED TRENCH CONDITION" IN ALL SEWER AND WATERMAIN INSTALLATION TRENCHES.
- THE SITE SERVICING CONTRACTOR SHALL TERMINATE ALL SERVICES 1.0m FROM THE BUILDING FACE.

**TOWN OF COLLINGWOOD GENERAL CONSTRUCTION NOTES**

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH TOWN OF COLLINGWOOD, O.P.S.D AND O.P.S.S. WHERE CONFLICT OCCURS, TOWN OF COLLINGWOOD STANDARD TO GOVERN.
- TRENCH BACKFILL (OPSD 802.XXX AS APPLICABLE) TO BE SELECT NATIVE MATERIAL OR IMPORTED SELECT SUBGRADE TO OPSD 1010. BACKFILL TO BE PLACED IN MAXIMUM 200mm THICK LIFTS AND COMPACTED TO 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
- PIPE BEDDING TO BE GRANULAR 'A' PIPE COVER TO BE GRANULAR 'B' MAX. AGGREGATE SIZE 25mm FOR RIGID PIPE AND GRANULAR 'A' FOR FLEXIBLE PIPE. (MINIMUM BEDDING DEPTH 150mm, MINIMUM COVER 300mm, COMPACTED TO A MINIMUM OF 95% SPMDD).
- CLEAR STONE WRAPPED IN FILTER FABRIC CAN BE SUBSTITUTED FOR BEDDING MATERIAL IF APPROVED BY THE ENGINEER.
- ALL MAINTENANCE HOLES ARE 1200mm DIAMETER UNLESS OTHERWISE SPECIFIED.
- ALL TOPSOIL AND EARTH EXCAVATION TO BE STOCK PILED OR REMOVED TO AN APPROVED SITE AS DIRECTED BY ENGINEER.
- THE OWNER'S ENGINEER SHALL PROVIDE BENCH MARK ELEVATIONS AND HORIZONTAL ALIGNMENT REFERENCE FOR THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILED LAYOUT OF THE WORK.
- ALL PROPERTY BARS TO BE PRESERVED AND REPLACED BY O.L.S. AT CONTRACTOR'S EXPENSE IF REMOVED DURING CONSTRUCTION.
- ALL MAINTENANCE HOLE AND CATCHBASIN FRAMES AND COVERS TO BE SET TO BASE COURSE HLB ASPHALT ELEVATION AND RAISED PRIOR TO PLACEMENT OF FINAL COURSE HLB ASPHALT TO THE SATISFACTION OF THE TOWN.
- THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR THE SUPPLY OF TEMPORARY WATER AND POWER.
- DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPS5-517 AND 518 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. CONTRACTOR RESPONSIBLE FOR OBTAINING M.O.E. PERMIT IF REQUIRED.
- ALL ENGINE DRIVEN PUMPS TO BE ADEQUATELY SILENCED, SUITABLE FOR OPERATION IN A RESIDENTIAL DISTRICT.
- DISTURBED AREAS TO BE REINSTATED TO PREVIOUS CONDITION OR BETTER.
- THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION OF ALL EXISTING FACILITIES AS WELL AS ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK AND CO-ORDINATE CONSTRUCTION ACCORDINGLY.

**STORM SEWERS**

- MH, CBMH AND DICBMH TO OPSD 701.010 (OR AS INDICATED ON THE SITE SERVICING PLAN) C/W SUMP UNLESS NOTED OTHERWISE.
- STEPS TO BE AS PER OPSD 405.010.
- MH FRAMES AND GRATES TO BE AS PER OPSD 401.010 OPEN COVER.
- CB'S ARE TO BE AS PER OPSD 705.010, 705.020.
- DICB'S TO BE AS PER OPSD 705.030, 705.040, 706.010, 706.020, 706.030, 706.040.
- CB AND CBMH FRAMES AND GRATES TO BE AS PER OPSD 400.020 AND REAR LOT 400.120.
- PIPE SUPPORT AT MH'S, CB'S AND CBMH'S TO BE AS PER OPSD 708.020.
- CB LEADS TO BE 250mm DIA SINGLE AND 300mm DIA DOUBLE TO BE AS PER OPSD 708.010, 708.030.
- PROTECTION DURING CONSTRUCTION TO BE AS PER OPSD 808.010.
- BEDDING AND COVER TO BE AS PER OPSD 802.010. (FLEXIBLE PIPE) GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL OR OPSD 802.030, 802.031 AND 802.032 (RIGID PIPE) GRANULAR 'A' BEDDING AND GRANULAR 'B' (MAXIMUM AGGREGATE SIZE 25mm) COVER.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMDD.

**SANITARY SEWERS**

- MH'S TO BE AS PER OPSD 701.010.
- BENCHING TO BE AS PER OPSD 701.021. NOTE: MINIMUM HOLE SIZE IF PRE-CAST RISER SECTION SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS.
- STEPS TO BE AS PER OPSD 405.010.
- FROST STRAPS SHALL BE INSTALLED ON ALL MAINTENANCE HOLES AS PER OPSD 701.100.
- BEDDING AND COVER TO BE AS PER OPSD 802.010. (FLEXIBLE PIPE) GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- FRAMES AND COVERS TO BE AS PER OPSD 401.010 TYPE 'A' (CLOSED COVER).
- BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
- CLEAR STONE WRAPPED WITH FILTER FABRIC CAN BE SUBSTITUTED FOR EMBEDMENT MATERIAL IF APPROVED BY THE ENGINEER.
- MAINTENANCE HOLE FRAMES TO BE SET TO BASE COURSE ASPHALT ELEVATION AND RAISE PRIOR TO PLACING SURFACE COURSE ASPHALT TO THE SATISFACTION OF THE TOWN.

- PIPE SUPPORT AT MAINTENANCE HOLES TO BE AS PER OPSD 708.020.
- ALL MAINTENANCE HOLES, UNLESS EXPRESSLY IDENTIFIED ARE 1200mm DIAMETER.
- GENERAL INSTALLATION AND TESTING OF SEWERS AND APPURTENANCES TO BE IN ACCORDANCE WITH O.P.S.S. 407, 408, 409 (CCTV), 410, 421 AND ALL SPECIFICATION REFERENCED WITHIN THESE SECTIONS.

**WATER MAINS**

- BEDDING AND COVER TO BE AS PER OPSD 802.010. GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- THRUST BLOCKS TO BE AS PER OPSD 1103.010 AND 1103.020 WHERE SUITABLE SOILS ARE ENCOUNTERED.
- HYDRANTS TO BE AS PER OPSD 1105.010. DRAIN PLUGS SHALL BE INSTALLED WHERE HIGH WATER TABLE IS ENCOUNTERED.
- BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
- MINIMUM COVER ON WATER MAIN AND SERVICES TO BE 1.7m.
- GATE VALVES, BENDS AND UNIFORM LEADS AND FITTINGS TO BE CONNECTED WITH ROMAX GRIP RING RESTRAINING CLAMP.
- CLEARANCE BETWEEN WATER MAINS AND SEWERS TO BE MINIMUM OF 0.5m VERTICAL WHERE WATER MAIN IS BELOW SEWER OR 2.5m MINIMUM HORIZONTAL SEPARATION, WHERE WATER MAIN IS ABOVE SEWER, THE MINIMUM SEPARATION TO BE 150mm (BEDDING MATERIAL).
- SERVICE TO BE AS PER OPSD 1104.010 AND SHALL BE DIRECT TAP.
- FOLLOWING TESTING, CONTRACTOR SHALL OPERATE EACH WATER SERVICE TO VERIFY FULL FLOW AND PRESSURE AT THE CURB STOP TO THE SATISFACTION OF THE ENGINEER.
- GENERAL INSTALLATION AND TESTING OF WATER MAIN AND APPURTENANCES TO BE IN ACCORDANCE WITH O.P.S.S. 701 AND ALL SPECIFICATION REFERENCED WITHIN THIS SECTION.
- ALL WATERMAIN TESTING AND CHLORINATION WILL BE CONDUCTED BY THE CONTRACTOR. IT SHOULD BE NOTED THAT NEW WATERMANS ARE NOT TO BE CONNECTED TO EXISTING WATERMAIN UNTIL BACTERIOLOGICAL TESTING HAS BEEN SUCCESSFULLY COMPLETED.
- ALL WATERMAIN DISINFECTION WILL BE CONDUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MCFP WATERMAIN DISINFECTION PROCEDURE, TO THE SATISFACTION OF THE TOWN. THE TOWN SHALL COLLECT THE REQUIRED MICROBIOLOGICAL WATER QUALITY SAMPLES, AT THE DEVELOPERS COST, PRIOR TO PLACING THE WATERMAIN INTO SERVICE.
- WATERMANS ARE TO BE CONSTRUCTED OF DUCTILE IRON PER TOWN'S DEVELOPMENT STANDARDS.
- WATER SERVICES ARE TO BE CONSTRUCTED OF COPPER PER TOWN'S DEVELOPMENT STANDARDS.
- ALL WATERMAIN AND SERVICES ARE TO BE INSTALLED WITH A MINIMUM COVER OF 1.7M.
- ALL WATERMAIN TESTING AND COMMISSIONING SHALL BE COMPLETED BY A QUALIFIED CONTRACTOR. A WATER COMMISSIONING PLAN SHOULD BE SUBMITTED TO THE TOWN A MINIMUM OF 2 WEEKS PRIOR TO COMMENCING ANY TESTING FOR REVIEW AND APPROVAL.
- JOINT RESTRAINTS AND CATHODIC PROTECTION IS REQUIRED IN ACCORDANCE WITH THE TOWN OF COLLINGWOOD'S STANDARDS.

**MATERIALS**

- SANITARY SEWER - SDR 35 PVC (INCREASE SPECIFICATION WHERE INSTALLATION DICTATES).
- WATERMAIN - DUCTILE IRON CLASS 52 OR PRESSURE CLASS 350 CEMENT LINED. CONDUCTIVITY CONNECTORS TO BE USED ON ALL JOINTS.
- WATERMAIN - THE USE OF PVC SHALL BE CONFIRMED WITH THE TOWN OF COLLINGWOOD. UPON CONFIRMATION, PVC PIPE SIZES 100mm THROUGH 300mm SHALL BE CLASS 235 DR18 CONFORMING TO AWWA C900 WITH MECHANICAL JOINTS AS PER AWWA C110, AND BE INSTALLED WITH A 10 GAUGE TRACER WIRE.
- ALL HYDRANT SHALL BE CANADA VALVE, CENTURY NO. 1 OPEN LEFT WITH 2 CSA HOSE PORTS, ONE STORZ 4" PUMPER PORT, AND A BREAK AWAY TYPE 6" MJ BASE.
- HYDRANT ACCESSORIES - MARKER'S FLEX STAKE MODEL FHV 804, REFLECTIVE HYDRANT DECAL, YELLOW 48" LENGTH, ANTI TAMPER DEVICE FOR CENTURY HYDRANT, BLUE.
- VALVES - RESILIENT SEATED, ROSS, MECHANICAL JOINT, OPEN LEFT CLOW OR MUELLER WITH 5 SL-48 SLIDING VALVE BOX.
- MECHANICAL JOINT DUCTILE FITTINGS - AWWA/ANSI C153/A21.53.
- RESTRAINER-ROLMAC GRIPPER RING UP TO 300mm, SIGMA ONE LOCK RESTRAINING GLANDS OVER 300mm.
- LIVE TAP SADDLES - EPOXY COATED C/W STAINLESS STEEL BOLTS.
- HYDRANTS ARE TO BE 1.85m LONG. EXTENSIONS IF REQUIRED ARE TO BE INSTALLED BELOW THE 1.85m SECTION.

**GRADING NOTES**

- ALONG ADJOINING PROPERTIES GRADE TO MEET EXISTING OR PROPOSED ELEVATIONS WITH SLOPED SLOPES (MIN. 3% TO 1V) AND/OR RETAINING WALLS AS SPECIFIED.
- 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.E.NG.
- SHOULD A RETAINING WALL BE REQUIRED, THE TOP OF WALL ELEVATIONS SHALL BE SET 150mm ABOVE THE PROPOSED SIDE YARD SWALES.
- RETAINING WALLS 0.6m IN HEIGHT OR GREATER REQUIRE CONSTRUCTION OF A FENCE OR GUARD RAIL AT THE TOP OF THE WALL. THE GUARDS FOR RETAINING WALLS SHALL BE CONSTRUCTED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF EXTERIOR FOUNDATIONS AS CONTAINED IN THE ONTARIO BUILDING CODE.
- TOP OF FOUNDATION WALLS FOR BUILDINGS SHALL BE 150mm (MIN) ABOVE FINISHED GRADE.
- 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.
- 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.

**COMPACTION REQUIREMENTS**

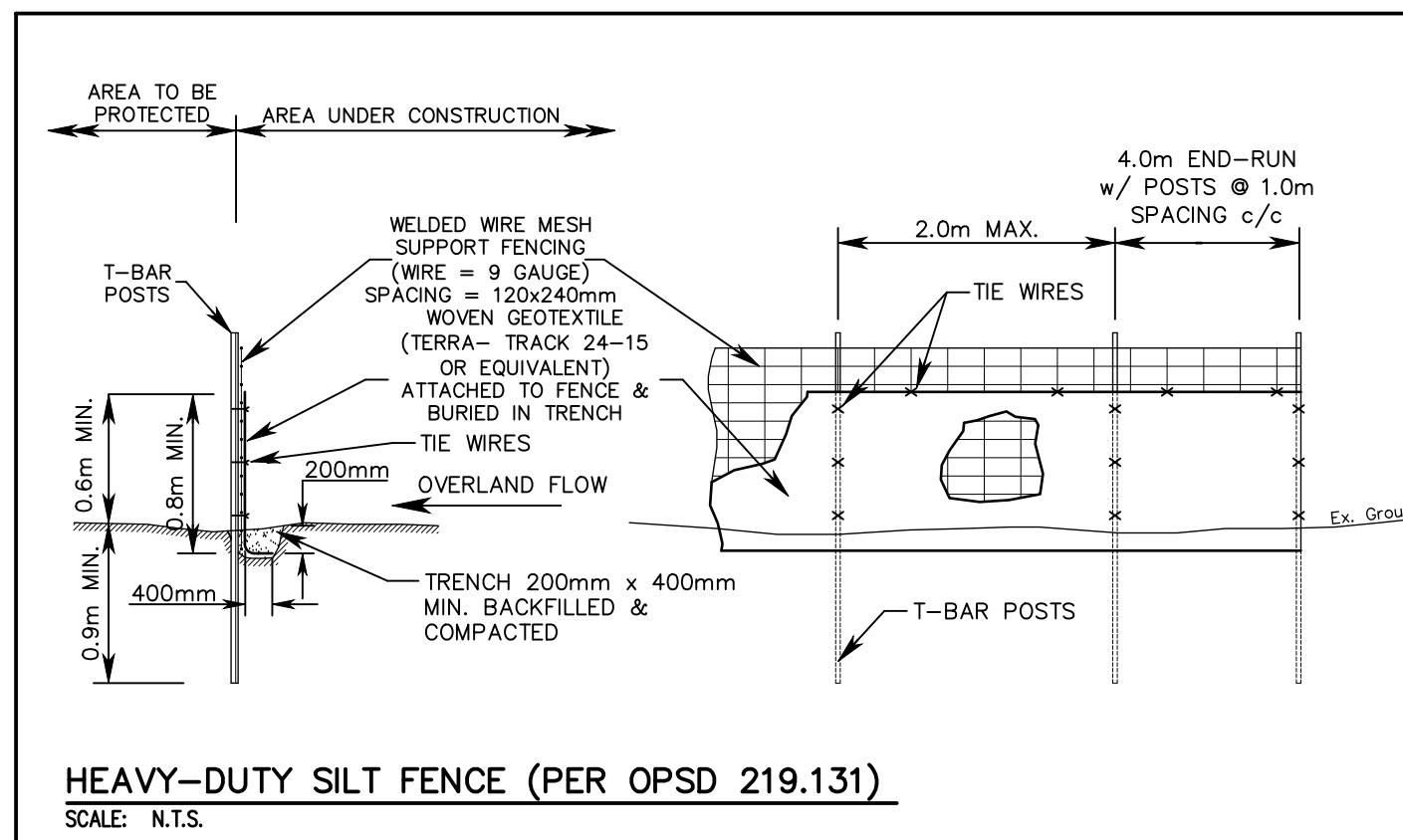
- UNLESS OTHERWISE NOTED OR DIRECTED BY THE GEOTECHNICAL CONSULTANT, THE FOLLOWING SHALL APPLY:
- ALL BEDDING AND BACKFILL MATERIAL, ROAD SUB-GRADES AND GENERALLY ALL MATERIAL USED FOR LOT GRADING AND FILL SECTIONS, ETC., SHALL BE COMPACTED TO MIN. 98% SPD. ALL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 300mm LIFTS.
  - ALL GRANULAR ROAD BASE MATERIALS SHALL BE COMPACTED TO 98% SPD.
  - FOR ALL SEWERS AND WATERMANS IN FILL SECTIONS, THE COMPACTION SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO LAYING OF PIPE.

**SILTATION AND EROSION CONTROL**

- SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED.
- ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE CITY OF HAMILTON AND/OR THE HAMILTON CONSERVATION AUTHORITY.
- ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE ENGINEER, THE CITY OF HAMILTON AND/OR THE HAMILTON CONSERVATION AUTHORITY.
- ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO DEVELOPMENT AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS, UNTIL ALL DISTURBED AREAS HAVE BEEN RE-ESTABLISHED.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHOULD BE INSPECTED MINIMUM WEEKLY, AFTER EVERY RAINFALL AND MAINTAINED AS REQUIRED.
- THE OWNER IS RESPONSIBLE FOR THE REMOVAL OF ALL MUD AND DEBRIS THAT ARE TRACKED ONTO THE ROADWAYS FROM VEHICLES ENTERING AND LEAVING THE CONSTRUCTION SITE. THE OWNER SHALL, UPON VERBAL AND/OR REQUEST BY THE CITY, IMMEDIATELY PROCEED WITH THE CLEANUP OPERATION AT THEIR EXPENSE. SHOULD THE OWNER FAIL TO MAINTAIN THE ROAD AS DIRECTED, THE CITY WILL HAVE THE CLEANING CARRIED OUT, AND DRAW ON THE SECURITY FOR COSTS AND/OR LAY CHARGES.

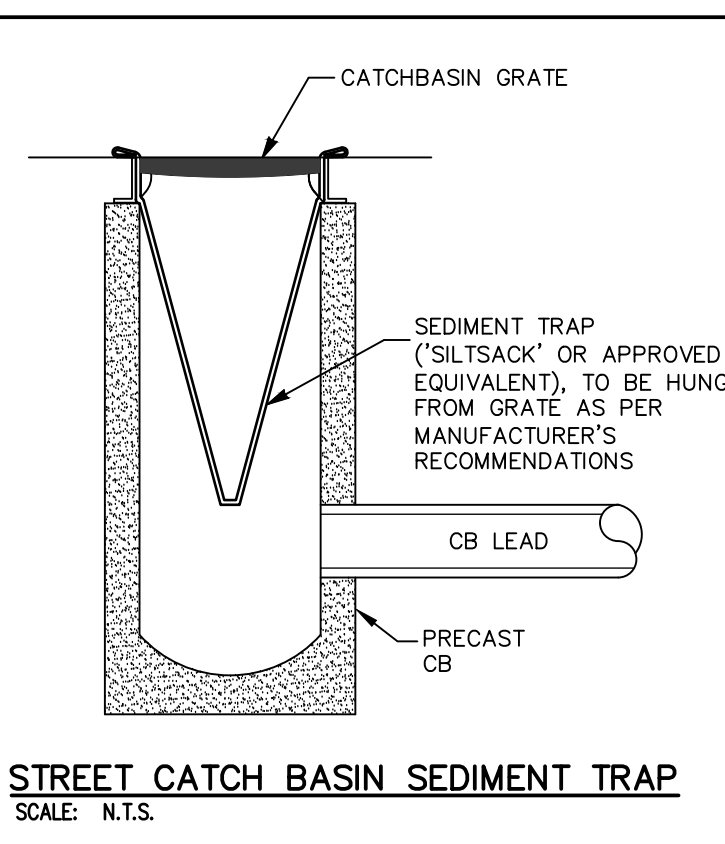
**SEWER/WATER ABANDONMENT**

- ALL EXISTING UNUSED SEWERS MUST BE PROPERLY ABANDONED BY DISCONNECTING SEWER AT THE MAIN AND GROUTING EITHER END OF THE SEWER WITH A MINIMUM 300mm OF CONCRETE.
- UNUSED MAINTENANCE HOLES AND CATCHBASINS MUST BE COMPLETELY REMOVED.
- OPENINGS IN MAINTENANCE HOLES AND CATCHBASINS WHERE SERVICES WERE REMOVED OR ABANDONED MUST BE BRICKED AND PARGED.
- ALL EXISTING UNUSED WATER SERVICES MUST BE PROPERLY ABANDONED AS FOLLOWS PER TOWN OF COLLINGWOOD.



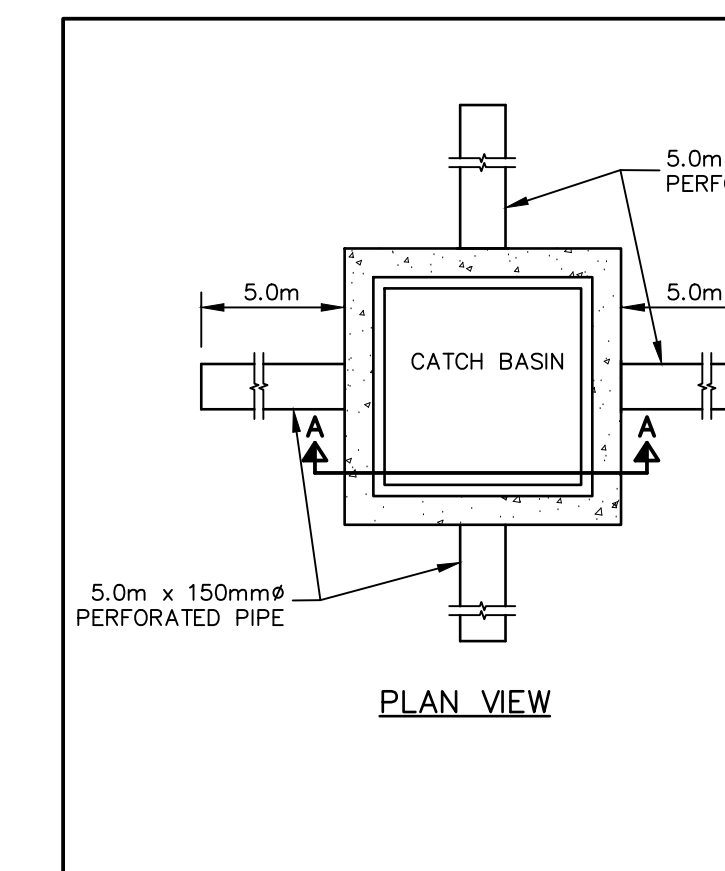
**HEAVY-DUTY SILT FENCE (PER OPSD 219.131)**

SCALE: N.T.S.

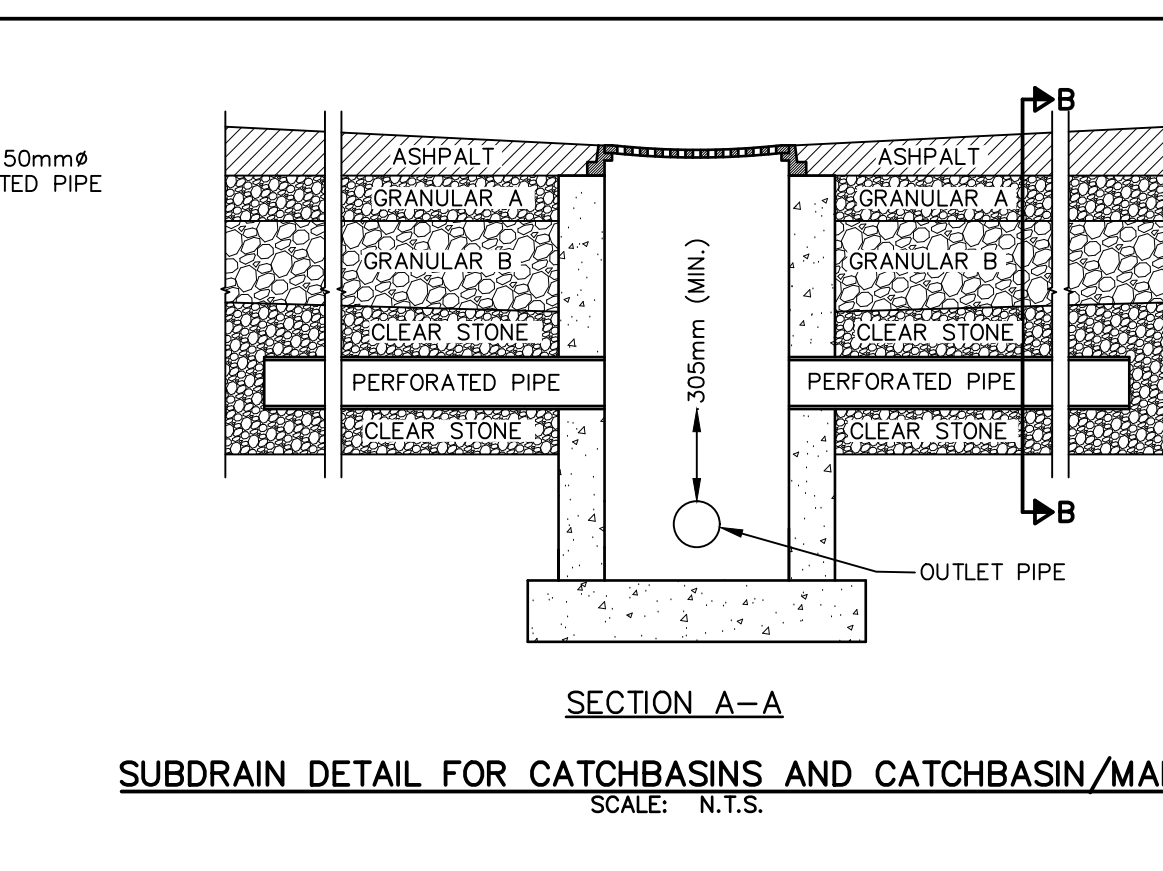


**STREET CATCH BASIN SEDIMENT TRAP**

SCALE: N.T.S.



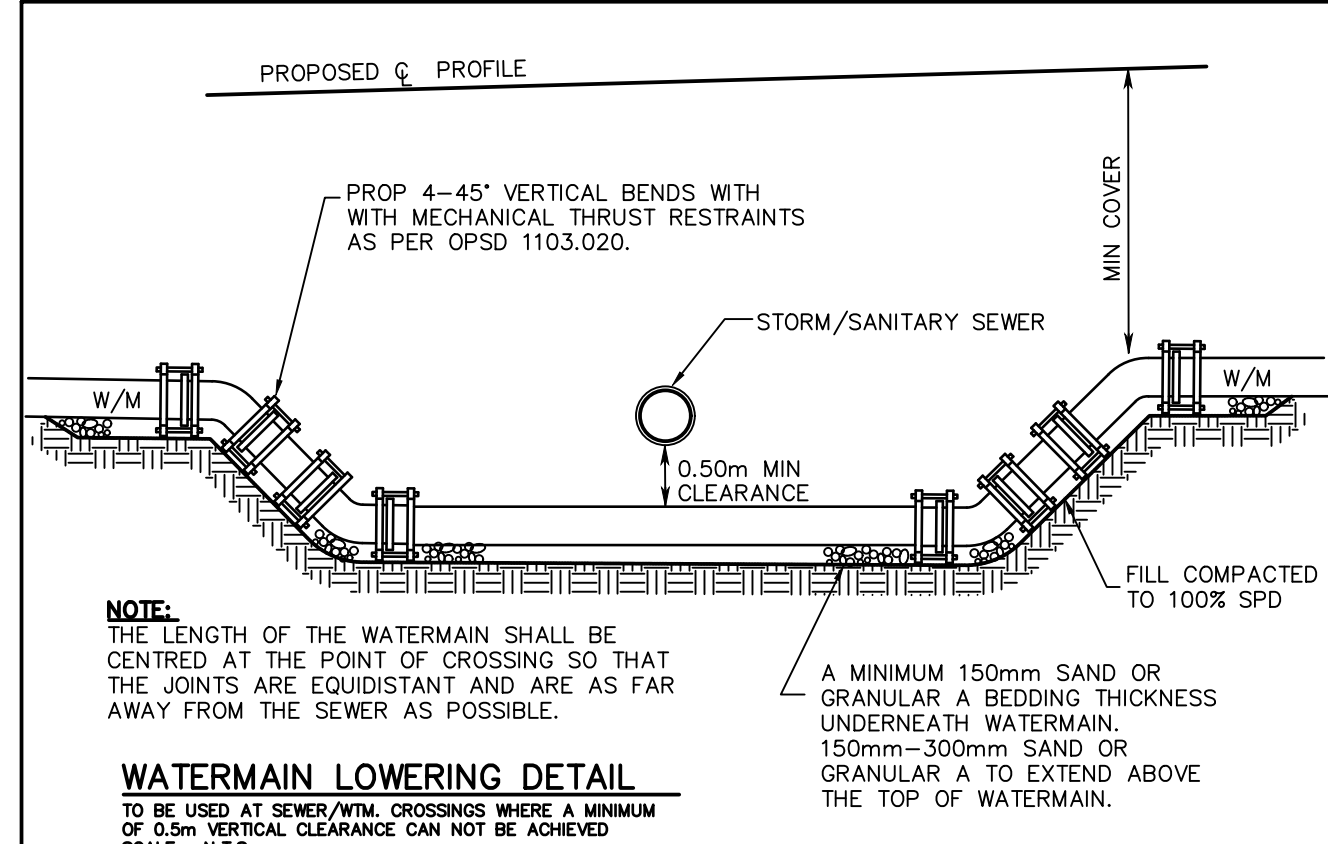
**PLAN VIEW**



**SECTION A-A**

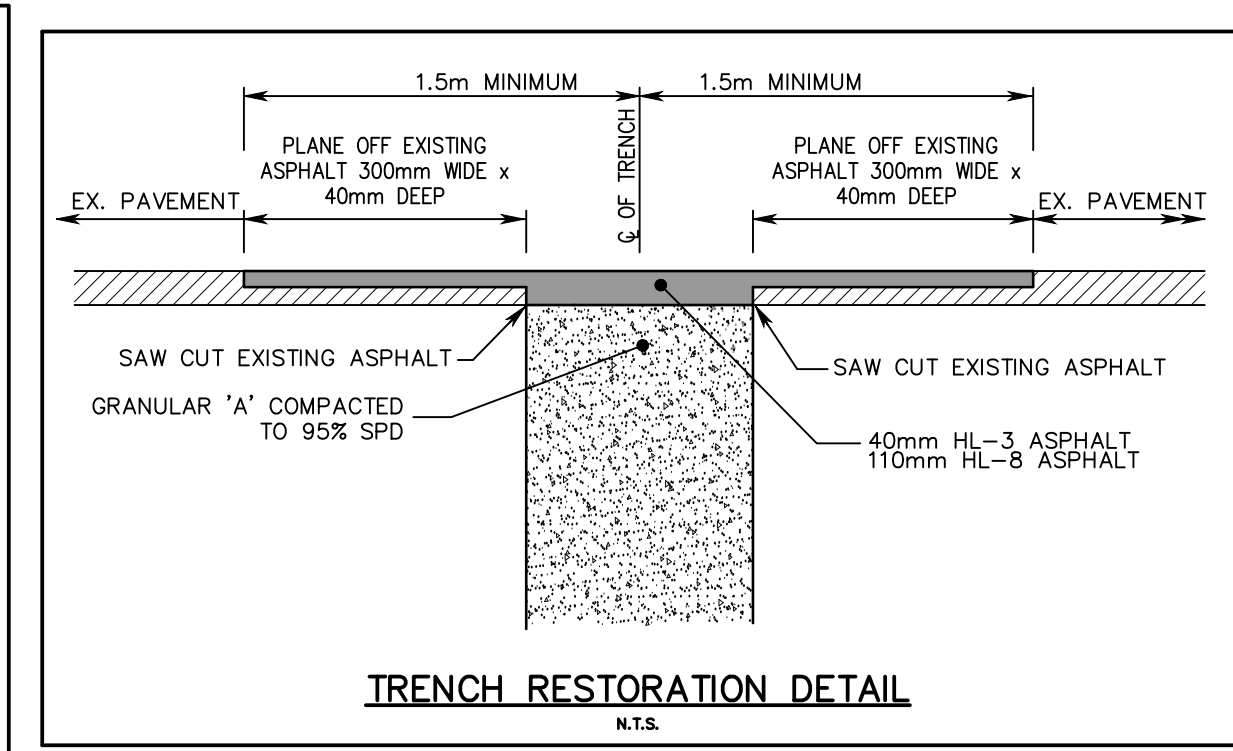
**SUBDRAIN DETAIL FOR CATCHBASINS AND CATCHBASIN/MANHOLES**

SCALE: N.T.S.



**WATERMAIN LOWERING DETAIL**

SCALE: N.T.S.



**TRENCH RESTORATION DETAIL**

SCALE: N.T.S.

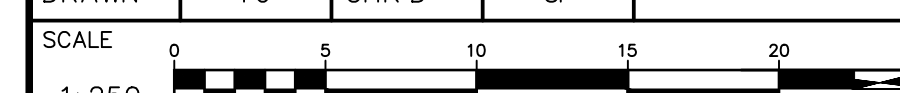
**BENCH MARK NOTE:**  
 ELEVATIONS ARE GEODETIC AND REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD28) BY DIRECT MEASUREMENT TO A REAL TIME NETWORK.

NO.	DATE	BY	REVISIONS
04	AUG 27/24	MC	REVISED PER COMMENTS
03	FEB 14/24	MC	REVISED PER COMMENTS
02	SEPT 20/23	MC	ISSUED FOR SPA
01	SEPT 15/23	MC	REVISED SITE PLAN

**NOTES TO CONTRACTOR:**

- CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
- ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
- THE POSITIONS OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHEN SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
- ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REVISED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

DESIGN	MC	CHK'D	SF	DATE
DRAWN	FG	CHK'D	SF	Aug. 27, 24



**APPROVALS**

STAMP  
 LICENSED PROFESSIONAL ENGINEER  
 S.V. FRANKOVICH  
 8/28/2024  
 PROVINCE OF ONTARIO

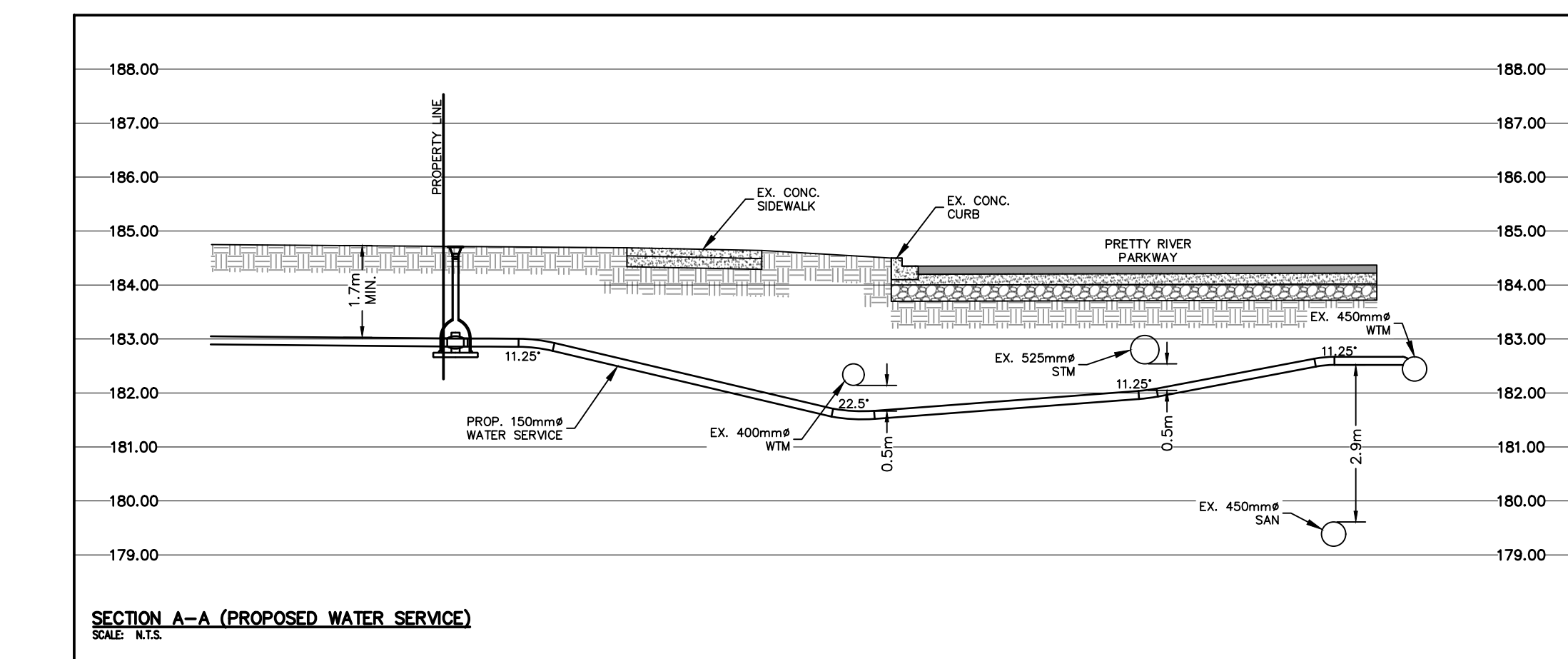
S. LLEWELLYN & ASSOCIATES LIMITED  
 CONSULTING ENGINEERS  
 Tel. (905) 631-6978  
 Website: www.sla.on.ca  
 email: info@sla.on.ca  
 3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT  
**BICORP DESIGN GROUP**  
 1235 FAIRVIEW STREET, SUIT 290  
 BURLINGTON, ONTARIO

PROJECT NAME  
**REVIVE CAR WASH**  
 298 PRETTY RIVER PARKWAY  
 TOWN OF COLLINGWOOD, ONTARIO

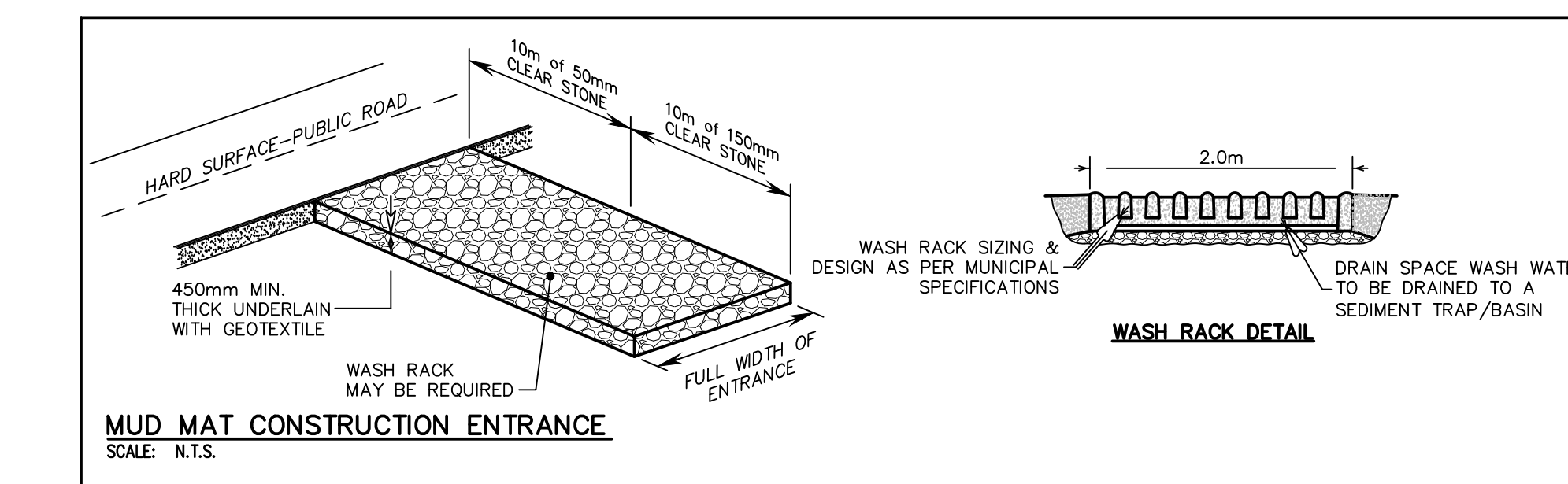
**NOTES & DETAILS PLAN**

PROJECT No.	23011	DRAWING No.	C103
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**SECTION A-A (PROPOSED WATER SERVICE)**

SCALE: N.T.S.



**MUD MAT CONSTRUCTION ENTRANCE**

SCALE: N.T.S.

LAYER	MEDIUM DUTY	HEAVY DUTY	MUNICIPAL
HL3	40mm	40mm	40mm
HL8	50mm	60mm	110mm
GRANULAR A	150mm	150mm	150mm
GRANULAR B	200mm	350mm	450mm

**PAVEMENT STRUCTURE**



**LEGEND**

- GRASS
- CEDAR CHIP MULCH
- STONE MULCH

# PRETTY RIVER

NOTE: CONTRACTOR SHALL CONFIRM THAT ALL QUANTITIES SHOWN ON THE PLANT LIST CONFORM WITH THE PLANS. THE QUANTITIES SHOWN ON THE PLAN SUPERSEDE THE TOTALS OF THE LIST. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.

## PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	NUM	SIZE	COND	REMARKS
<b>TREES</b>						
AF	ACER X 'FREEMANI'	AUTUMN BLAZE MAPLE	2	60mm CAL	WB	
AC	ACER SACCHARUM	SUGAR MAPLE	2	60mm CAL	WB	
GT	GLEDITSIA TRICANTHUS VAR. INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	4	60mm CAL	WB	
BP	BETULA Papyrifera [CLUMP]	WHITE BIRCH	2	60mm CAL	WB	
UA	ULMUS AMERICANA 'VALLEY FORGE'	WHITE ELM	8	60mm CAL	WB	
PP	PICEA PLUNGENS	COLORADO BLUE SPRUCE	3	240cm HT	WB	
JS	JUNIPERUS SCOOPULORUM	BLUE HAVEN JUNIPER	3	150cm HT	WB	
<b>SHRUBS</b>						
SG	SPIREA X BIMALDA 'GOLDFLAME'	GOLDFLAME SPIREA	14	60CM HT		
BA	SPIREA JAPONICA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	45	60CM HT		
HS	HEMEROCALLIS 'MINI STELLA'	STELLA D'OR DAYLILY	36	50CM HT		
SA	SENECIO AUREUS	GOLDEN RAGWORT	6	50CM HT		
<b>GRASSES</b>						
CA	SALVIA MEMOROSA 'MAY NIGHT'	MAY NIGHT MEADOW SAGE	32	2 YR CONTAINER GROWN		
DA	CALAMAGROSTIS 'KARL FORSTER'	FEATHER REED GRASS	40	15CM POT		
DB	FENISCIUM ALOPECUROIDES 'HAMELY'	DWARF FOUNTAIN GRASS	8	15CM POT		



**ISSUED**

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS INCLUDING DATUM ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS AND TO CORRECT ANY DISCREPANCIES TO BICORP DESIGN GROUP LTD. (B.D.G.) BEFORE COMMENCING THE WORK. DRAWINGS MUST NOT BE SCALED.

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**REVIVE CAR WASH**  
COLLINGWOOD ONTARIO

**SITE LANDSCAPE PLAN**  
COLLINGWOOD CAR WASH  
296 PRETTY RIVER PARKWAY NORTH  
COLLINGWOOD, ONTARIO

**2010-21**

**BUFFER RESTORATION PLANT LIST**

KEY	BOTANICAL NAME	COMMON NAME	NUM	SIZE	COND	REMARKS
CS	CORNUS SERVICEA	RED OSIER DOGWOOD	5	60CM HT		8'
IV	ILEX VERTICILLATA	WINTERBERRY	3	60CM HT		6"
PV	PRUNUS VIRGINIA	CHOKE CHERRY	6	60CM HT		8 FEET
SA	SPIRAEA ALBA	WHITE MEADOWSWEET	6	60CM HT		48"
DL	DIERVILLA LONICERA	BUSH HONEYSUCKLE	4	60CM HT		48" HIGH
AL	AMELANCHIER LAEVIS	SMOOTH SERVICEBERRY	13	60CM HT		24" HIGH

## STANDARD PLANTING NOTES:

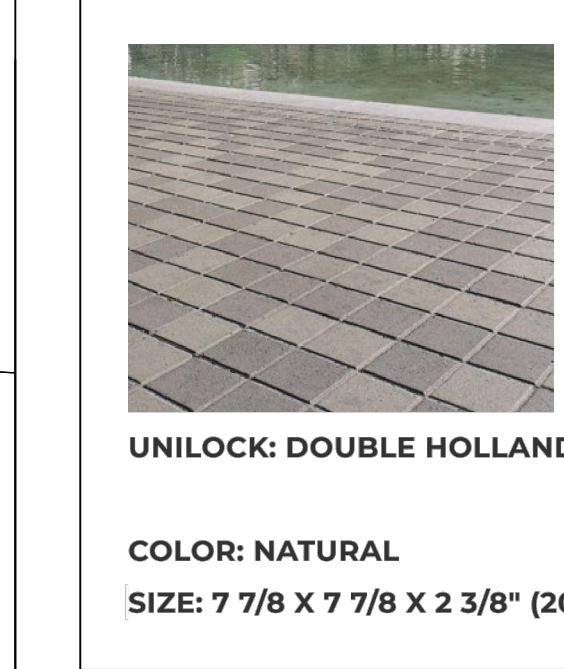
- ALL SOD SHALL BE TURFGRASS NURSERY SOD CONFORMING TO THE LATEST EDITION OF THE CANADIAN NURSERY SOD GROWERS SPECIFICATIONS.
- ALL TREES SHALL BE OPEN-GROWN FOR WIND-FIRMNESS. TREES SHALL NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK OR BEND. DECIDUOUS TREES SHALL HAVE APPROXIMATELY TWO-THIRDS OF ITS TOTAL HEIGHT IN LIVING BRANCHES. ALL TREES SHALL HAVE GOOD CROWN SHAPE CHARACTERISTIC OF THEIR SPECIES. TREES SHALL HAVE A SINGLE DOMINANT LEADER WITH NO SIDE BRANCHES TALLER/LONGER THAN THE MAIN LEADER.
- ALL TREES SHALL BE ENTIRELY FREE OF BARK DAMAGE AND FREE FROM PEST SIGNS AND SYMPTOMS, AND SHALL SHOW VIGOROUS GROWTH FOR AT LEAST THE LAST TWO GROWING SEASONS.
- IF REQUIRED, TREES SHALL BE PROPERLY TARGET PRUNED (NEVER CUT, TRIMMED, ROUNDED-OVER, HEDGED, TIPPED OR TOPPED) AND DEAD/DAMAGED BRANCHES SHALL BE CO-DOMINANT LEADERS, AND BRANCHES GROWING UPWARD INSIDE THE CROWN SHALL BE PROPERLY PRUNED. TREES SHALL NOT BE TREATED AT ANY TIME WITH WOUND PAINT.
- ALL TREES SHALL HAVE ROOT BALL SIZES THAT MEET OR EXCEED NURSERY STANDARDS. ROOT BALLS SHALL BE FIRM AND STRUCTURALLY INTEGRAL WITH THE TRUNK.
- DO NOT FERTILIZE SPRING-PLANTED TREES AT TIME OF PLANTING. FERTILIZE IN LATE FALL AFTER LEAF ABSCISSION.
- LANDSCAPE CONTRACTOR SHALL WARRANT ALL PLANTING MATERIAL AND WORKMANSHIP FOR PERIOD OF 12 MONTHS.
- REPAIR ALL DISTURBED AREA AROUND THE MULCH SAUCER WITH TOPSOIL AND SOD.
- BACKFILL PLANTING SOIL SHALL BE NATIVE TOPSOIL, WELL AERATED AND PULVERIZED AND FREE OF DEBRIS AND CONTAMINANTS. WHERE SOIL CONDITIONS ARE EXCESSIVELY POOR, BACKFILL SOIL SHALL BE IMPORTED SANDY LOAM TOPSOIL. TO APPROVAL OF THE TOWN. BACKFILL PLANTING SOIL SHALL BE AMENDED WITH WELL-ROTTED MANURE OR COMPOST AT A RATIO OF 4:1 SOIL TO MANURE/COMPOST AND SHALL BE WELL MIXED TO ENSURE UNIFORM CONSISTENCY. ADD FERTILIZERS AS PER SOIL TEST RECOMMENDATIONS. INSTALL BACKFILL PLANTING SOIL LAYERS AND CONCURRENTLY TAMM AND WATER TO ELIMINATE ROCKETS.
- TREES SHALL BE STRAIGHTENED IN THE PITS DURING BACKFILLING AND PRIOR TO STACKING. DO NOT DRIVE STACKS THROUGH ROOT BALL. ENSURE STACKS EXTEND A MIN. OF 300mm BELOW ROOT BALL.
- COMPLETELY REMOVE ALL ROPES, BURLAP AND/OR WIRE BASKET FROM THE TOP HALF OF THE ROOT BALL PRIOR TO SHIPPING PLANTING PIT AND MULCHING.
- MULCH SHALL BE TOPPED CONIFEROUS BARK MULCH PLACED TO 75mm DEPTH. ENSURE THAT MULCH IS KEPT CLEAR OF TRUNK FLARE FOR A MIN. DISTANCE OF 150mm. DO NOT PILE MULCH AROUND THE TRUCK. CONSTRUCT PERIMETER MULCH SAUCER 75-150mm DEPTH BEYOND EDGE OF ROOT BALL.
- CONSTRUCT PLANTING PITS TO A MINIMUM WIDTH OF 2.5 TIMES THE DIAMETER OF THE ROOT BALL AND TO A DEPTH TO ALLOW THE TOP OF THE ROOT BALL TO EXTEND 100-150mm ABOVE ORIGINAL GRADE FOR POORLY DRAINED SOILS AND 50-75mm ABOVE ORIGINAL GRADE FOR WELL-DRAINED SOIL. DO NOT OVER EXCAVATE PLANTING PIT DEPTH. ENSURE ROOT BALL IS SUPPORTED BY FIRM, UNDISTURBED SOIL. SIDES OF THE PIT SHALL BE SLOPED (NOT VERTICAL) AS PER DETAIL TO ENCOURAGE HORIZONTAL ROOT GROWTH. GLAZED SIDES AND BOTTOM OF PIT SHALL BE SCARIFIED AND LOOSENED PRIOR TO PLANTING.

## NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS
- ALL SHRUBS SHALL BE CONTAINED IN A CONTINUOUS PLANTING BED, UNLESS OTHERWISE DIRECTED.
- ALL DECIDUOUS OR CONIFEROUS SHRUBS TALLER THAN 1500mm SHALL BE STAKED WITH A MINIMUM OF ONE 1.6M x 2400mm LONG, 1.6M TO BE PAINTED BLACK. SHALL NOT TOUCH OR PIERCE ROOT BALL.
- MAINTAIN ORIGINAL GRADE AT SHRUB BASE OR SET SLIGHTLY HIGHER (50mm) TO ALLOW FOR SETTLEMENT. FOR LARGE SHRUBS NOT IN PLANTING BED, FORM SAUCER AROUND ROOT BALL WITH PLANTING SOIL.
- REMOVE ALL NURSERY TABS, PLASTIC OR METAL IMMEDIATELY FOLLOWING INSPECTION AND ACCEPTANCE BY CITY.

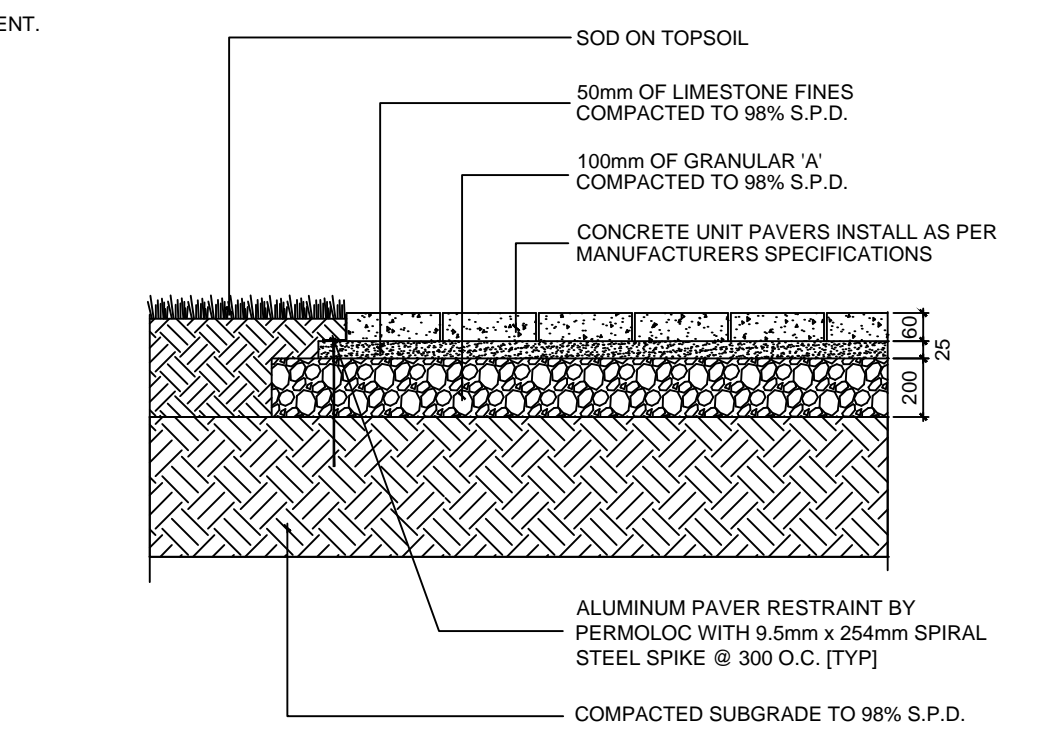
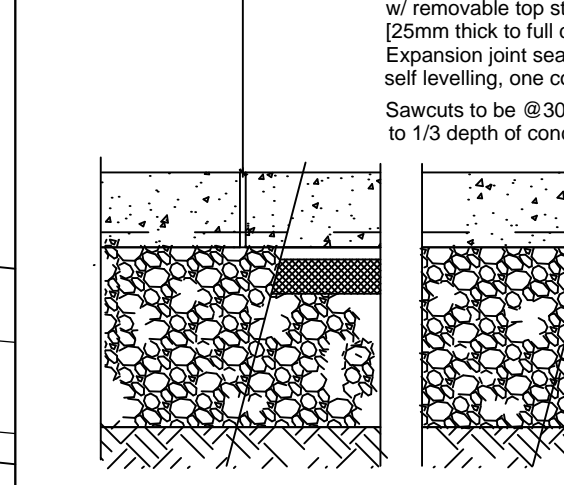
## ROCKERY NOTES:

PLACE THIRTEEN (13) CUBICAL ARMOUR STONE BOULDERS (BUFF COLOR) APPROXIMATE SIZE: 1M WIDE x 1.4M TO 1.8M LONG x 0.4M TO 0.6M HIGH. STONES TO BE INSERTED APPROX 0.1M INTO PROPOSED GRADE C/W LEVEL TOPS. PROVIDE FOR A BROAD RANGE OF PIECES IN ORDER TO CONSTRUCT A RANDOM NATURAL AFFECT. PLACE A CONTINUOUS & OVERLAPPING SINGLE LAYER OF TERRAFIX 270R FABRIC UNDER ARMOUR STONE BOULDERS AND ALSO STONE MULCH.



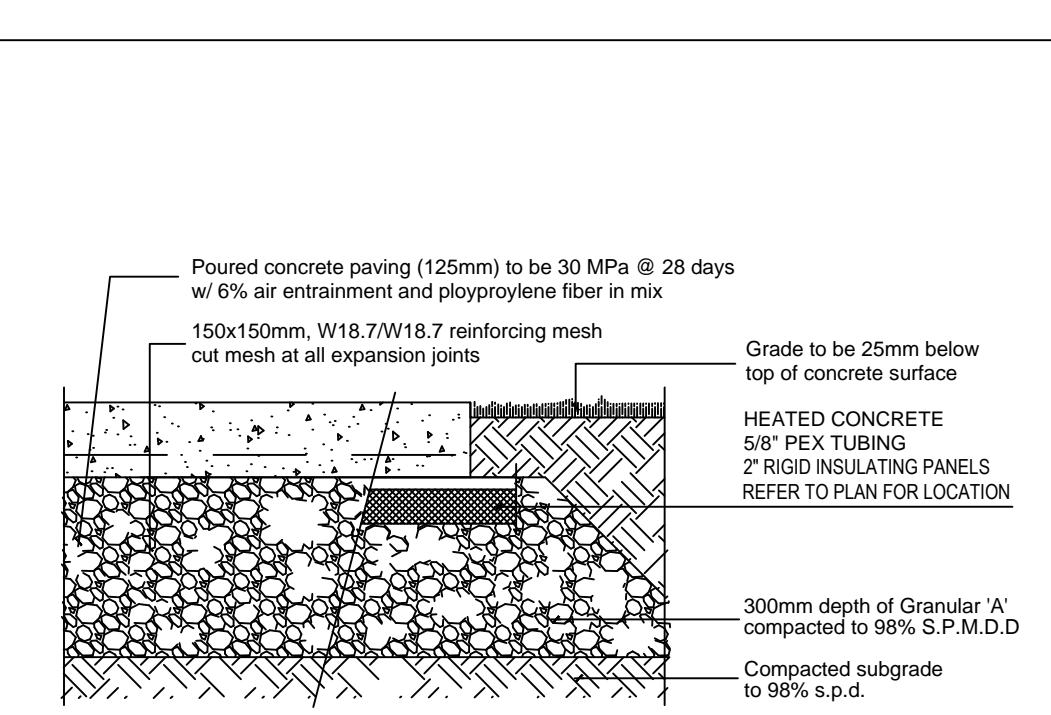
**UNILOCK: DOUBLE HOLLAND**

**COLOR: NATURAL**  
**SIZE: 7 7/8 x 7 7/8 x 2 3/8" (200 x 200 x 60MM)**

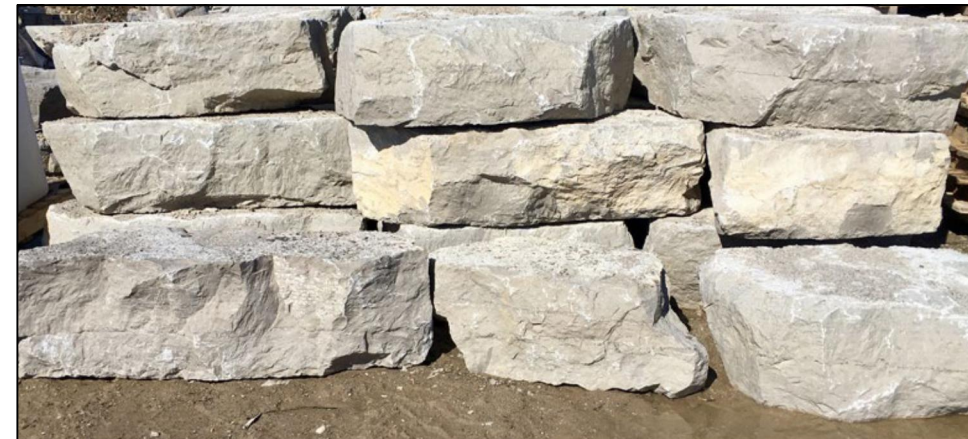


**STANDARD UNIT PAVING**

NOTE:  
1. ENSURE THAT ALL ORGANIC MATTER IS REMOVED FROM THE EXCAVATED WALKWAY PRIOR TO PLACING LIMESTONE FINES.  
2. PROVIDE GEOTEXTILE MEMBRANE ONLY IN AREAS WHERE BASE MATERIALS MAY BE IN CONTACT WITH CLAY OR DEEP LOAM SOILS.  
3. REFER TO SPECIFICATIONS FOR PAVEMENT COLOUR, PATTERN, SIZE AND MANUFACTURER.  
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.



**CONCRETE WALKWAY DETAIL**  
SCALE: N.T.S.

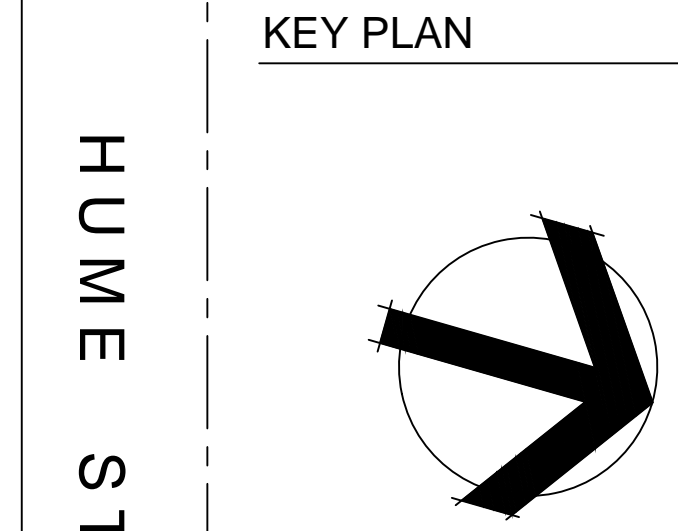


**ARMOUR STONE SHAPE & COLOR SAMPLE**

**PROPOSED SEVERANCE LINE**

**PROPOSED SEVERANCE LINE**

**EXISTING RECREATIONAL VEHICLE SALES AND SERVICE BUILDING**  
296 PRETTY RIVER PARKWAY  
584.96 S.M. [6,296.66 S.F.]



HUME STREET THE KING'S HIGHWAY NO. 26

**REVISIONS**

NO.	DATE	DESCRIPTION	BY	CHKD.	APP'D.
1	11-21-2021	PRE-CONSULTATION APPLICATION			
2	03-15-2022	TIM HORTONS DRIVEWAY INTERCONNECTION			
3	06-06-2022	NVCA PRE-CONSULTATION APPLICATION			

PROJECT NO: 2010-21  
DATE: JUNE 2021  
SCALE: 1:200

