

Legend

Notes

Rev	Description	By	Appd.	YY.MM.DD
3	REVISED AS PER CITY COMMENTS	MJS	EB	23.07.05
2	REVISED AS PER CITY COMMENTS	MJS	EB	23.05.09
1	REVISED AS PER CITY COMMENTS	MJS	EB	23.03.03
0	ISSUED TO CITY FOR SPA	MJS	KK	22.02.11

File Name:	160401647.DB	MJS	KK	MJS	21.01.20
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

STAR MOTORS

STAR MOTORS BODY SHOP  
36-40 JAMIE AVENUE INFILL ADDITION  
OTTAWA, ON, CANADA

Title

NOTES AND LEGEND PLAN

Project No.	Scale	
160401647		
Drawing No.	Sheet	Revision
NL-1	1 of 6	3

GENERAL NOTES AND SPECIFICATIONS

- ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPS SUPPLEMENT, ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
- SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
- ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER & THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010, OPSS 310, AND CITY OF OTTAWA R10.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONTRACTOR AS DEFINED IN THE ACT.
- WHERE EC PLANS ARE NOT FOLLOWED, OR ARE FOUND TO PROVIDE INSUFFICIENT PROTECTION, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN THAT WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINAGE DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT BE LIMITED TO CATCH BASIN INSERTS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.
- SITE PLAN PREPARED BY: BRIAN K CLARK ARCHITECT. PROJECT No. 2006. DRAWING No. A001, DATED AUGUST 25, 2021, REVISION 1.
- TOPOGRAPHIC SURVEY DATED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. TOPOGRAPHIC PLAN OF LOT 9 AND 10. REGISTERED PLAN 564563. CITY OF OTTAWA.
- REFER TO LANDSCAPE ARCHITECTURE PLAN FOR ALL LANDSCAPING FEATURES (i.e. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.).
- GEOTECHNICAL INVESTIGATION PREPARED BY PATERSON GROUP. GEOTECHNICAL INVESTIGATION PROPOSED BUILDING ADDITION, 36 AND 40 JAMIE AVENUE, OTTAWA, ON. DATED FEB. 18, 2021. REPORT No. PG5634-1. GEOTECHNICAL INFORMATION PRESENTED ON THESE DRAWINGS MAY BE INTERPOLATED FROM THE ORIGINAL REPORT. REFER TO ORIGINAL GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS AND TO VERIFY ASSUMPTIONS MADE HEREIN.
- STREET LIGHTING TO CITY OF OTTAWA STANDARDS.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.
- THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR AND PROJECT ENGINEER HAS BEEN OBTAINED.
- HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE TO BE NOTIFIED IF DEEPLY ARCHIOLOGICAL REMAINS ARE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL INVESTIGATION BY PATERSON GROUP. GEOTECHNICAL INVESTIGATION PROPOSED BUILDING ADDITION, 36 AND 40 JAMIE AVENUE, OTTAWA, ON.

**HEAVY DUTY ASPHALT**  
40mm HL3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE  
50mm HL3 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE  
150 OPSS GRANULAR 'A' BASE  
400 OPSS GRANULAR 'B' TYPE II

**LIGHT DUTY ASPHALT**  
50mm HL 3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE  
150mm OPSS GRANULAR 'A' BASE  
300mm OPSS GRANULAR 'B' TYPE II

WATER SUPPLY SERVICING

- THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.
- WATERMAIN PIPE MATERIAL SHALL BE PVC CL-150 DR18. DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2 OF THAT SPECIFIED BY THE MANUFACTURER. PVC WATERMANS TO BE INSTALLED WITH TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.
- WATER SERVICES ARE TO BE PEX TUBING AS PER CITY OF OTTAWA STANDARD W26 (UNLESS OTHERWISE NOTED). WATER SERVICE TO

- EXTEND 2.0M BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED AT PROPERTY LINE. ROLL OF PEX MIN 8M LONG TO BE LEFT. NOTE: 20mm INSIDE DIAMETER REQUIRED
- FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W14.
- WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.
- WATERMAIN TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL TO BE SPECIFIED BY PROJECT GEOTECHNICAL CONSULTANT.
- SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 2400mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED OBS ON THE WM STREET SIDE WHERE 2400mm SEPARATION CANNOT BE ACHIEVED. (AS PER CITY OF OTTAWA W22 & W23)
- CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.
- THRUST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25.3 AND W25.4.
- WATERMAIN TO HAVE MIN. 2.4m COVER. WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.
- WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W25 AND W25.2.
- PRESSURE REDUCING VALVES (PRVs) ON ALL UNITS TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.

STORM AND SANITARY SEWERS

- STORM AND SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SDR35. SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010.
- ALL STORM AND SANITARY SEWER BEDDING SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S6 AND S7, CLASS 'B' BEDDING, UNLESS OTHERWISE NOTED. SUITABLE BEDDING AND COVER MATERIAL TO BE SPECIFIED BY GEOTECHNICAL CONSULTANT.
- STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.01 (UNLESS OTHERWISE NOTED) c/w FRAME AND COVER AS PER CITY OF OTTAWA S24, S24.1, AND S25 WHERE APPLICABLE. CATCH BASIN MANHOLE FRAME AND COVERS PER S19, S28, AND S28.1 WHERE APPLICABLE. ALL STORM MANHOLES WITH SEWERS 900mm DIA SEWERS AND OVER IN SIZE SHALL BE BENECHED. ALL OTHER STORM MANHOLES SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPS.
- ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
- FOR STORM SEWER INSTALLATION (EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 2.0m. FOR SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m OVER PIPE OBVERT.
- ALL STORM AND SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES AS PER CITY STANDARD (S14, S14.1, AND S14.2).
- STORM AND SANITARY SERVICE LATERALS TO BE SDR 28 INSTALLED AT MIN. 1.0% SLOPE. SINGLE STORM SERVICES TO BE 100mmØ, SINGLE SANITARY SERVICES TO BE 135mmØ. (SERVICES TO EXTEND 2.0m BEYOND PROPERTY LINE)
- CATCH BASINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS S1, S2, S3 c/w FRAME AND GRATE AS PER S19. CURB INLET FRAME AND GRATE PER S22 AND S23. PROVIDE 150mm ADJUSTED SPACERS. ALL CATCH BASINS SHALL HAVE SUMPS (600mm DEEP). STREET CATCH BASIN LEADS SHALL BE 200mm DIA. (MIN) PVC SDR 35 AT 1.0% GRADE WHERE NOT OTHERWISE SHOWN ON PLAN. CATCH BASINS WILL BE INSTALLED WITH INLET CONTROL DEVICES (ICD) AS PER ICD SCHEDULE ON STORM DRAINAGE PLAN.
- STREET CATCH BASINS TO BE INSTALLED c/w SUBDRAINS 3m LONG IN FOUR ORTHOGONAL DIRECTIONS OR LONGITUDINALLY WHEN PLACED ALONG A CURB, AND AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL.
- REAR LOT PERFORATED PIPE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S29. REAR LOT STRUCTURES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W30 AND W31.
- CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING S8. THE SEALS SHOULD BE AT LEAST 1.5m LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. GENERALLY, THE SEALS SHOULD EXTEND FROM THE FROST LINE AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 225mm THICK LOOSE LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPMD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. FOR DETAILS REFER TO GEOTECHNICAL INVESTIGATION.
- GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
- CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
- ANY SEWER ABANDONMENT TO BE CONDUCTED ACCORDING TO CITY OF OTTAWA STANDARD S11.4

GRADING

- ALL GRANULAR BASE & SUB BASE COURSE MATERIALS SHALL BE COMPACTED TO 98% STANDARD PROCTOR MAX. DRY DENSITY.
- SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.30m LAYERS.
- ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH 500 MM MIN. 100mm TOPSOIL. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.
- 100 YEAR PONDING DEPTH TO BE 0.35m (MAXIMUM).
- EMBANKMENTS TO BE SLOPED AT MIN. 3:1, UNLESS OTHERWISE SPECIFIED.
- ALL SWALES TO BE CONSTRUCTED AS PER CITY STANDARD S29.
- ALL ROOF DOWNSPOUTS TO DISCHARGE TO THE GROUND ONTO

SPLASH PADS AND SHALL NOT BE DIRECTED TO THE STORM SEWER, OR THE BUILDING FOUNDATION DRAIN.

- TOP OF GRATE (T/G) ELEVATIONS FOR ALL STREET CATCHBASINS SHOWN ON PLANS, REFER TO THE ELEVATION AT EDGE OF PAVEMENT, OR GUTTERLINE WHERE APPLICABLE.
- ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, APPROVED, AND STAMPED BY STRUCTURAL ENGINEER.
- FENCES OR RAILINGS ARE REQUIRED FOR RETAINING WALLS GREATER THAN 0.60m IN HEIGHT.
- EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
- ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
- REFER TO DRAWING EC-1 FOR EROSION AND SEDIMENT CONTROL DETAILS.

Best Management Practices

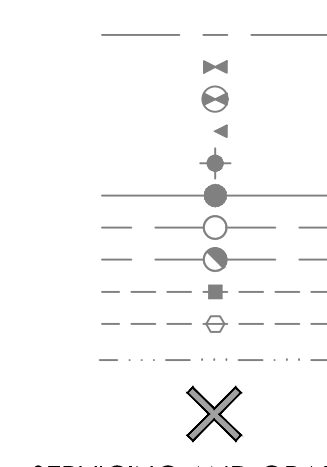
CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE RUN-OFF IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

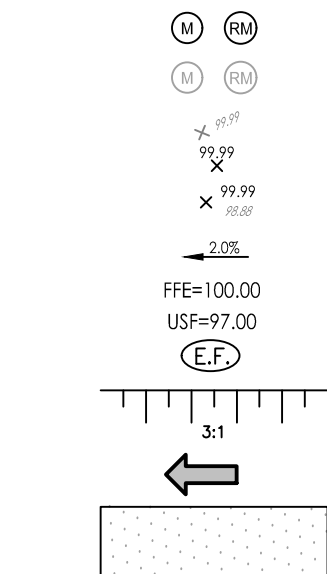
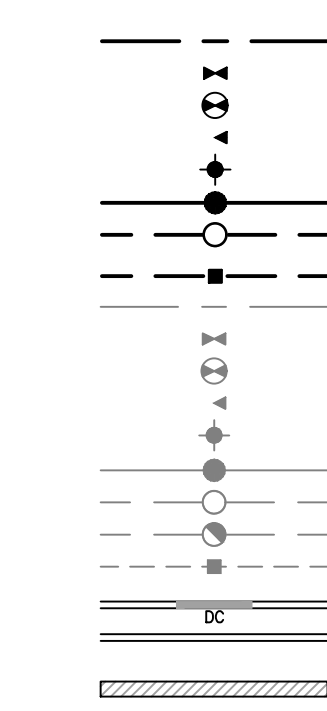
- LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
- REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
- MINIMIZE AREA TO BE CLEARED AND GRUBBED.
- PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
- INSTALL CATCH BASIN INSERTS OR EQUIVALENT IN ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND IN ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
- A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED)
- A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.
- SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OPERATIONS. ALL AFFECTED BARRIERS MUST BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (>10mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT EXISTING STORM AND SANITARY SEWER SYSTEMS, OR DOWNSTREAM WATERCOURSES.
- NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAY.
- CONTRACTOR SHALL REMOVE SEDIMENT CONTROL MEASURES WHEN, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURE(S) IS/ARE NO LONGER REQUIRED. NO CONTROL MEASURES SHALL BE PERMANENTLY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
- THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
- CONTRACTOR SHALL INSTALL MUD MATS AT ALL CONSTRUCTION ENTRANCES TO THE SITE.
- STORMWATER SWALES TO BE COVERED WITH HYDRO-SEED AND MULCH.

LEGEND

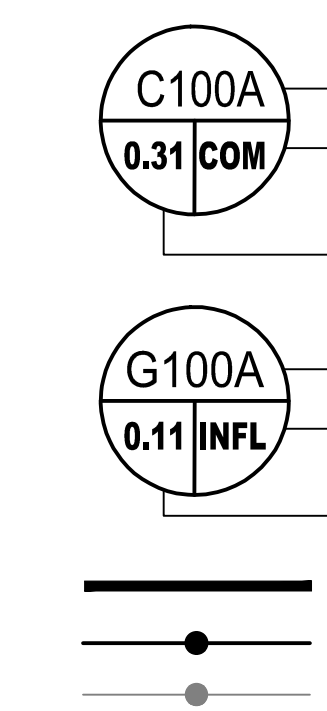
EXISTING CONDITIONS



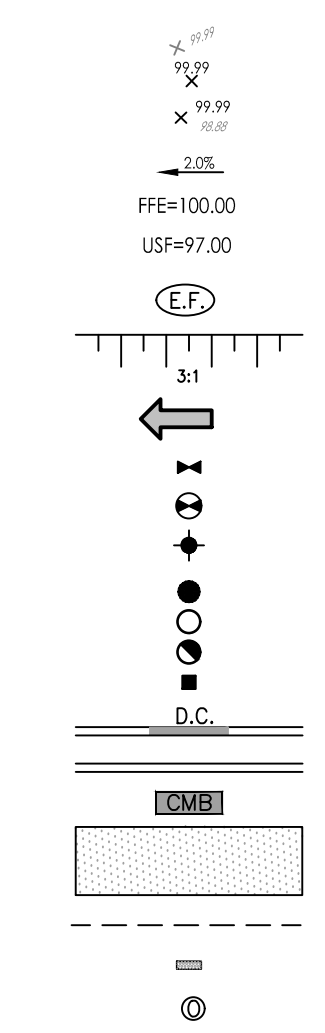
SERVICING AND GRADING



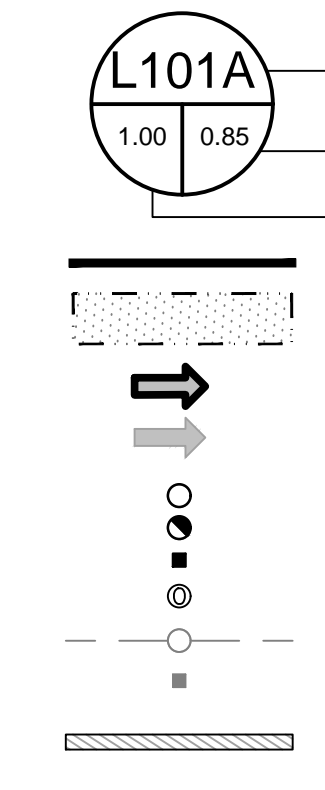
SANITARY DRAINAGE



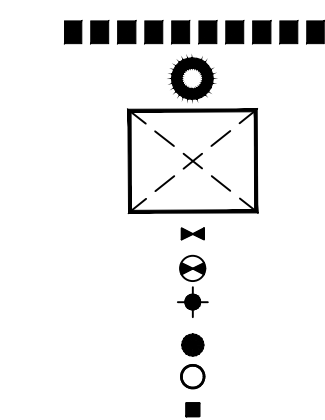
GRADING



STORM DRAINAGE



EROSION CONTROL



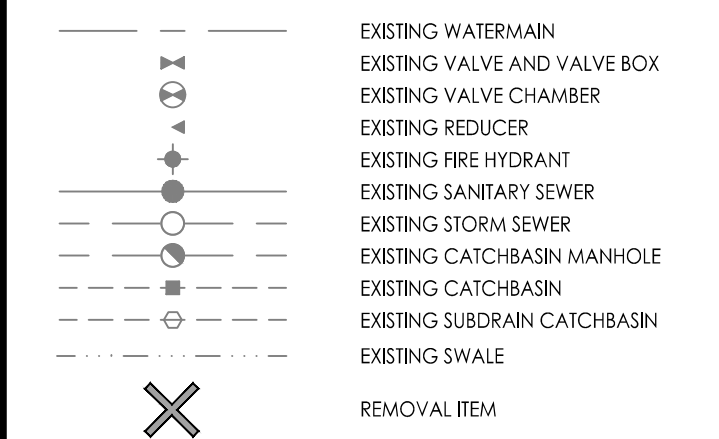


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### Legend



### Notes

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3	MJS	EB	23.07.05
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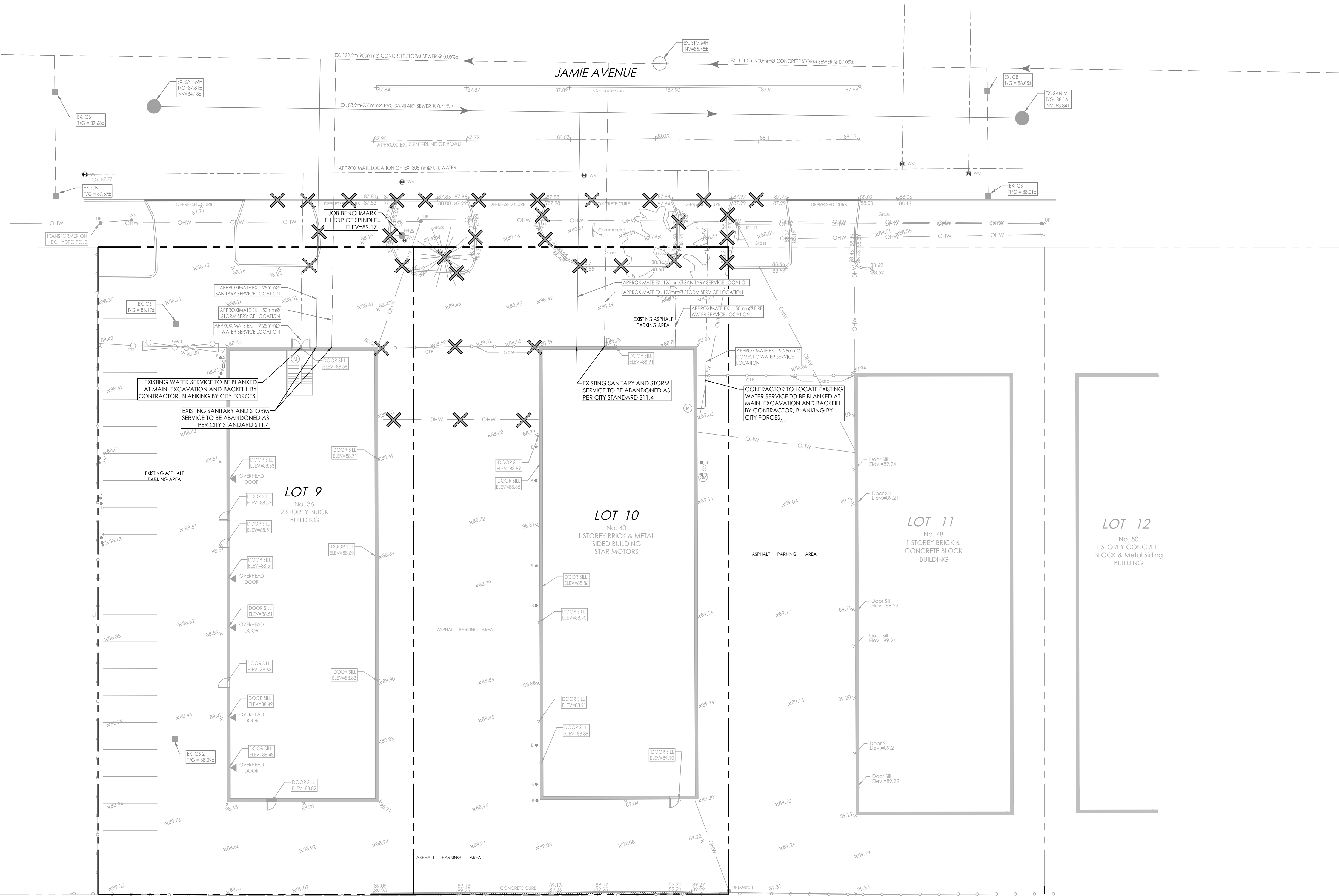
Client/Project  
**STAR MOTORS**

**STAR MOTORS BODY SHOP**  
36-40 JAMIE AVENUE INFILL ADDITION  
OTTAWA, ON, CANADA

### Title

**EXISTING CONDITIONS AND REMOVALS PLAN**

Project No.	Scale	Sheet	Revision
160401647	1:200	3	3
Drawing No.	Revision		3



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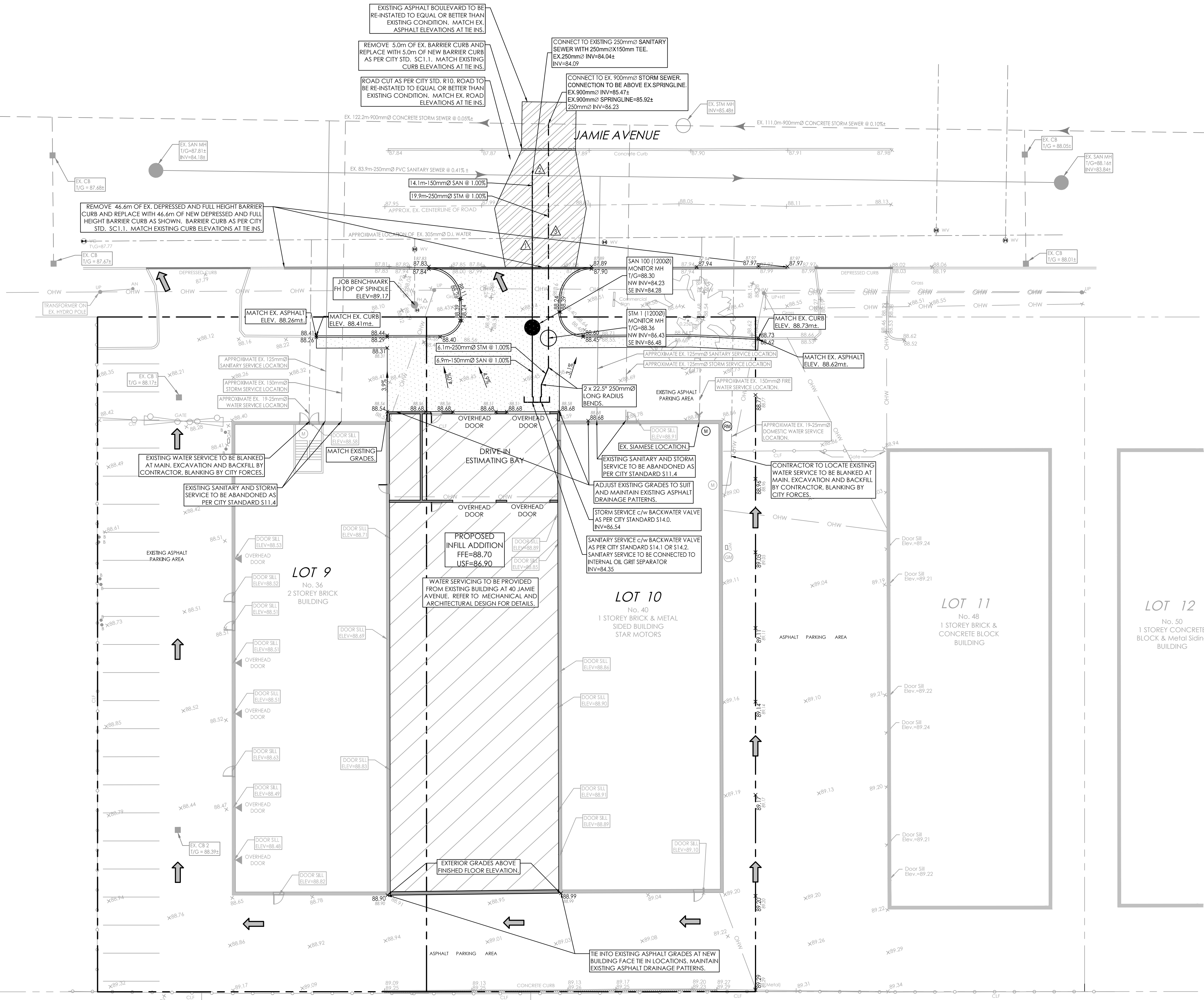


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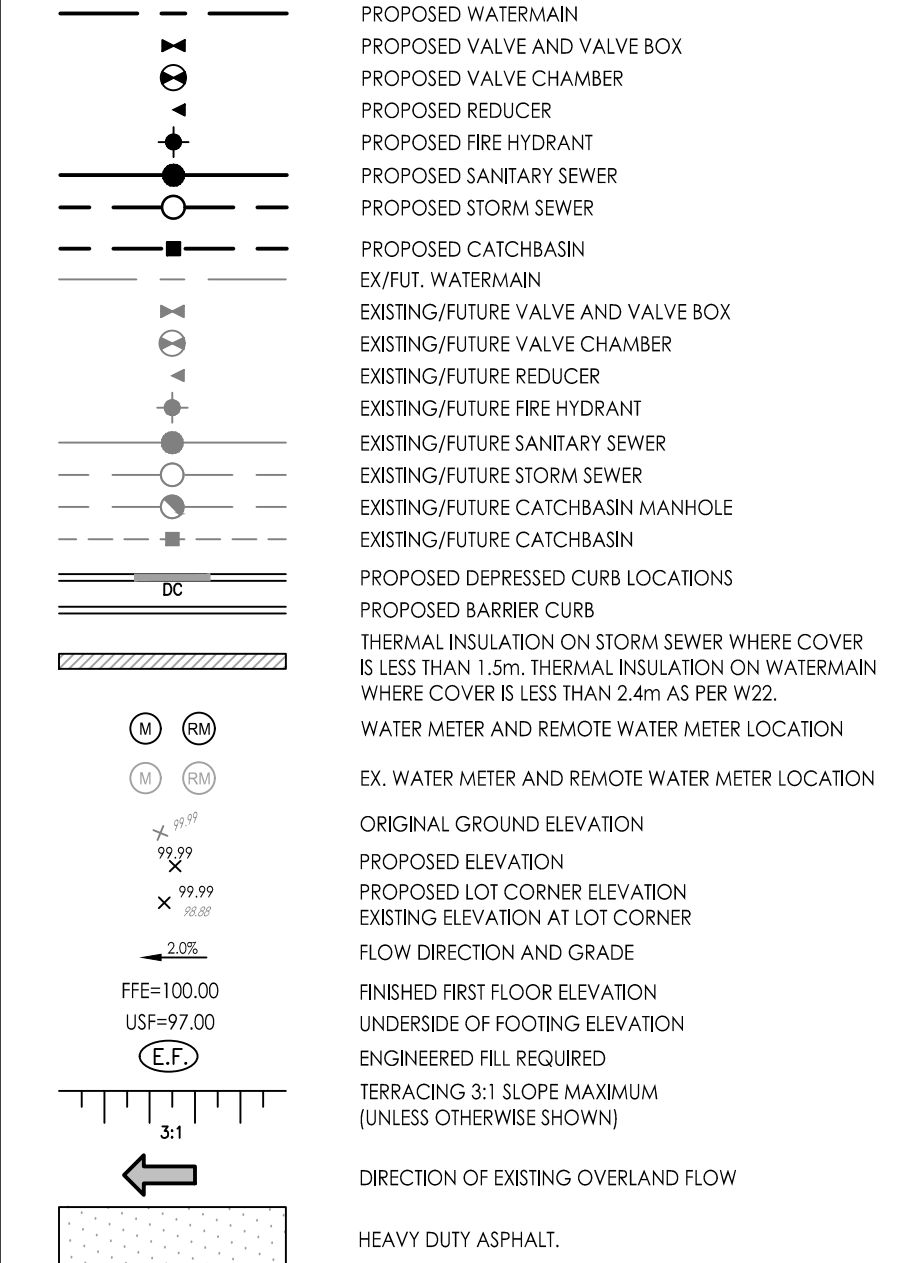
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CROSSING	SEWER AND WATERMAIN CROSSING TABLE					
	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM
▲	86.28	86.53	84.18	84.33	85.83	85.53
▲	86.34	86.59	84.09	84.24	85.84	85.54

\* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS



### Legend



### Notes

- WATER SERVICING TO BE SUPPLIED FROM 40 JAMIE AVENUE. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR DETAILS.
- NEW BUILDING TO BE SPRINKLERED. DETAILS TO BE PROVIDED BY MECHANICAL ENGINEER.
- NEW BUILDING ADDITION TO INCLUDE OIL / GRIT SEPARATOR INSIDE BUILDING AS PART OF SANITARY PLUMBING PRIOR TO CONNECTING TO SANITARY SEWER SERVICE.
- FLOOR DRAINS IN SHOP AREA TO BE CONNECTED TO INTERNAL SANITARY PLUMBING.
- ONLY ROOF AND FOOTING DRAINAGE (IF REQUIRED) TO BE CONNECTED TO STORM SEWER SERVICE.
- DEPTH OF EX. 300mm Ø D.I. WATERMAIN IN JAMIE AVENUE TAKE FROM AS BUILT PLAN No. 14-110 SHEET 2 OF 3 = 6.91M OR 2.1m.
- CONTRACTOR TO NOTIFY ENGINEER OR CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES NOTED ON PLAN PRIOR TO CONTINUING WITH CONSTRUCTION.
- EXISTING DRAINAGE PATTERNS ON SITE TO BE MAINTAINED.
- FOR ELECTRICAL, COMMUNICATIONS AND GAS SERVICING, REFER TO MECHANICAL DRAWINGS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION WAS DERIVED FROM PLANS PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEK, LTD. TOPOGRAPHICAL PLAN OF LOT 9 AND 10, REGISTERED PLAN 564663, CITY OF OTTAWA.

### PROPOSED ASPHALT STRUCTURE

**HEAVY DUTY ASPHALT**  
40mm HL3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE  
50mm HL8 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE  
150mm OPSS GRANULAR A BASE  
400mm OPSS GRANULAR B TYPE II

**LIGHT DUTY AREAS**  
50mm HL3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE  
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**STAR MOTORS**

**STAR MOTORS BODY SHOP**  
36-40 JAMIE AVENUE INFILL ADDITION  
OTTAWA, ON, CANADA

Title  
**SITE SERVICING AND GRADING PLAN**

Project No.	Scale	Sheet	Revision
160401647	1:200		
Drawing No.			

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Legend

- PROPOSED SILT FENCE BARRIER AS PER OPSD 219.110
- PROPOSED CATCH BASIN PROTECTION AS PER DETAIL
- PROPOSED MUD MAT LOCATION
- ⊕ PROPOSED VALVE BOX
- ⊕ PROPOSED VALVE CHAMBER
- ⊕ PROPOSED FIRE HYDRANT
- ⊕ PROPOSED SANITARY SEWER MANHOLE
- ⊕ PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCH BASIN

Best Management Practices

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1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
4. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
5. INSTALL CATCH BASIN INSERTS OR EQUIVALENT IN ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND IN ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUNOFF FROM THE SITE.
6. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED)
7. A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED AS PER ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.
8. SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OPERATIONS. ALL AFFECTED BARRIERS MUST BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (>10mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT EXISTING STORM AND SANITARY SEWER SYSTEMS, OR DOWNSTREAM WATERCOURSES.
9. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAY.
10. CONTRACTOR SHALL REMOVE SEDIMENT CONTROL MEASURES WHEN, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURE(S) IS NO LONGER REQUIRED. NO CONTROL MEASURES SHALL BE PERMANENTLY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
11. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.
12. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
13. CONTRACTOR SHALL INSTALL MUD MATS AT ALL CONSTRUCTION ENTRANCES TO THE SITE.
14. STORMWATER SWALES TO BE COVERED WITH HYDRO-SEED AND MULCH.

Revision	By	Appd.	YY.MM.DD	
3	REVISED AS PER CITY COMMENTS	MJS	EB	23.05.05
2	REVISED AS PER CITY COMMENTS	MJS	EB	23.05.09
1	REVISED AS PER CITY COMMENTS	MJS	EB	23.03.03
0	ISSUED TO CITY FOR SPA	MJS	KK	22.02.11

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		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

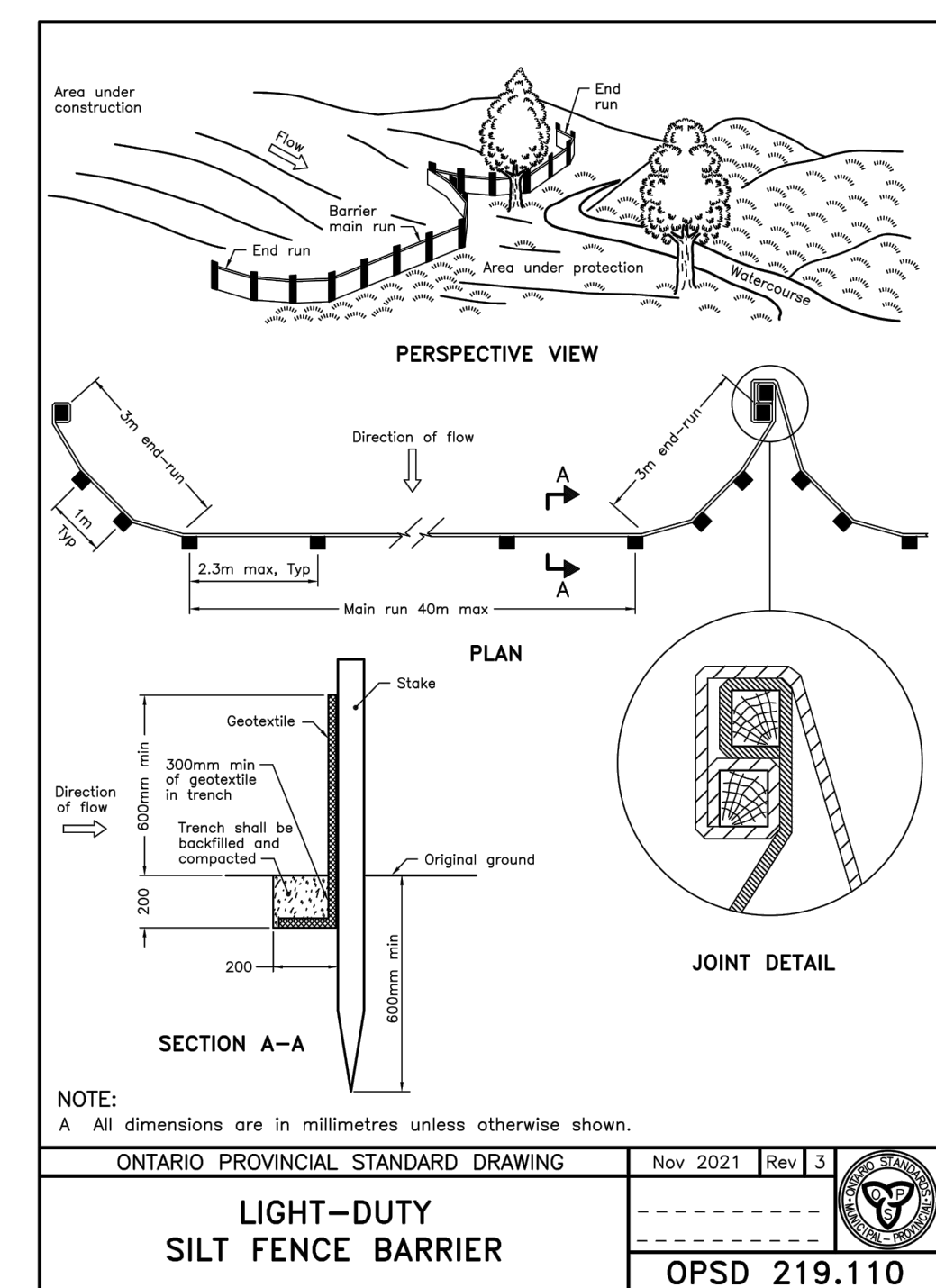
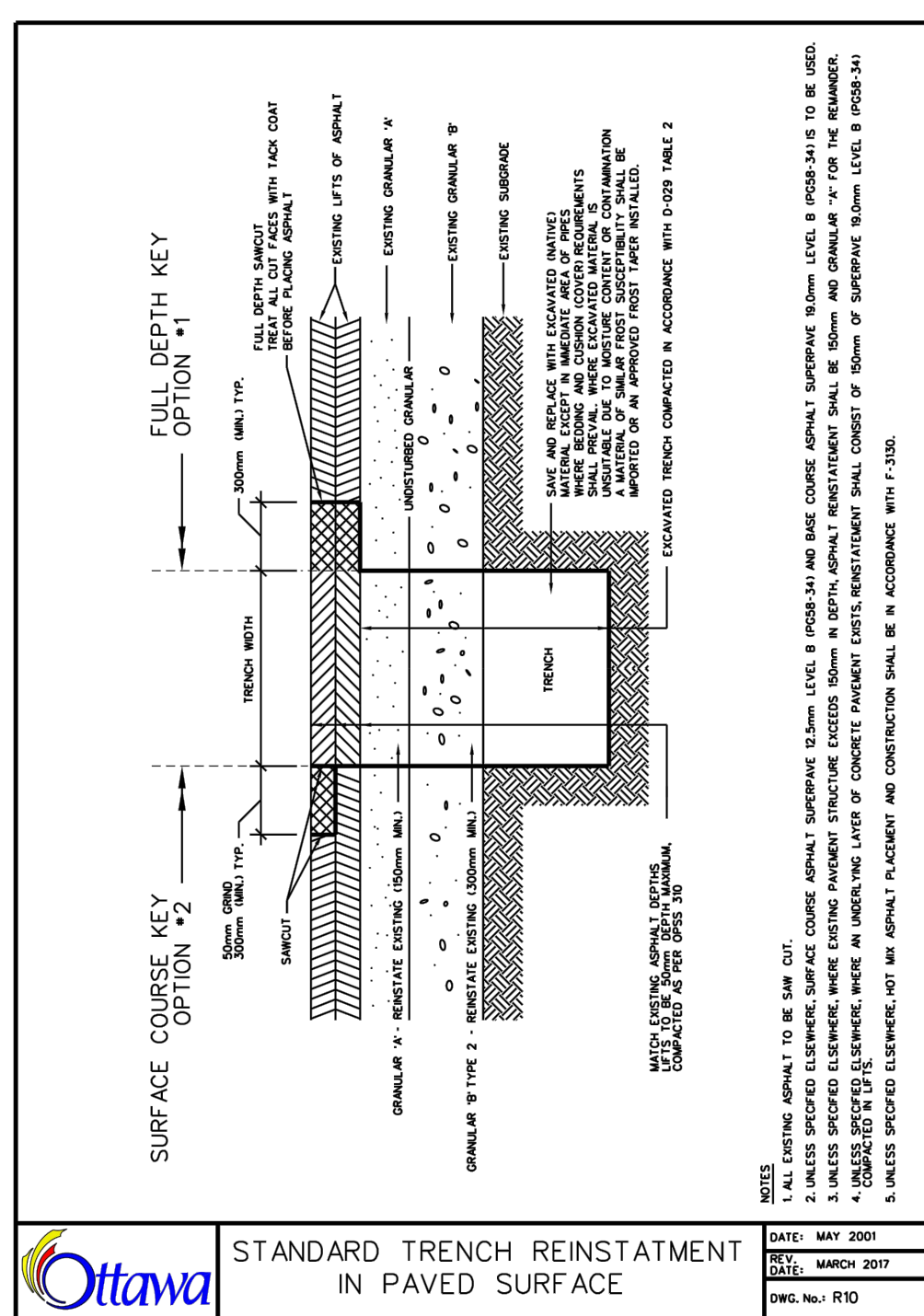
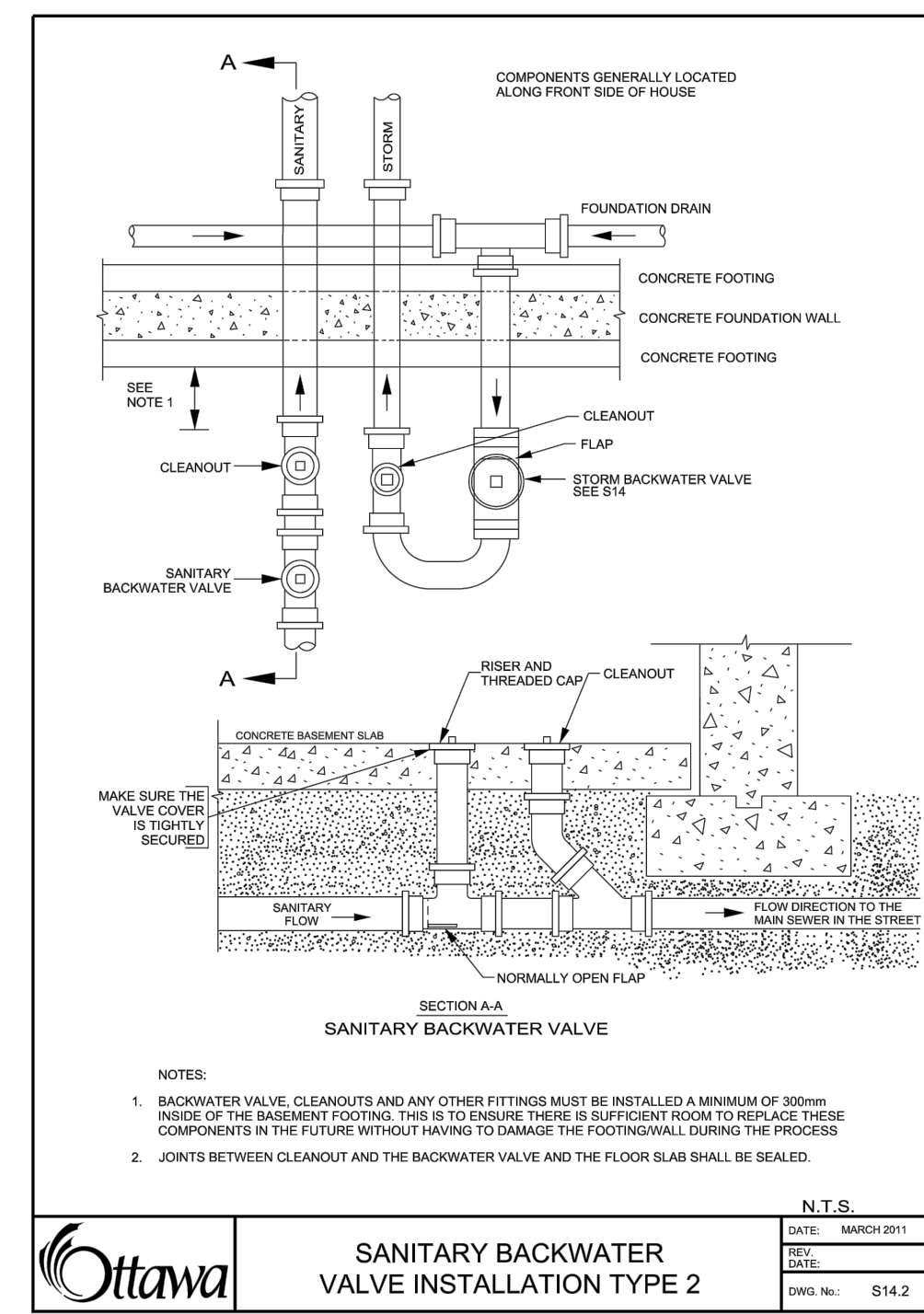
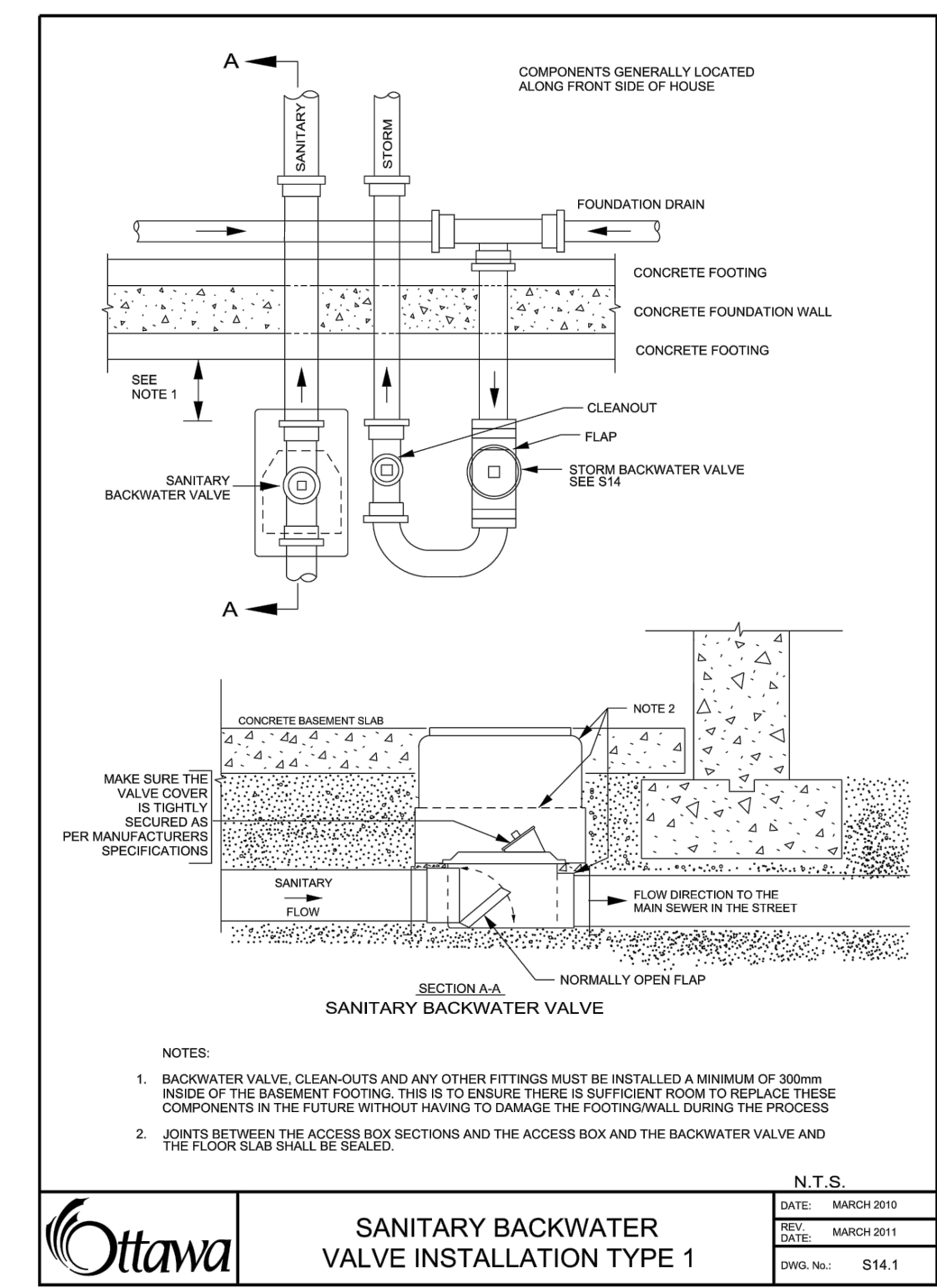
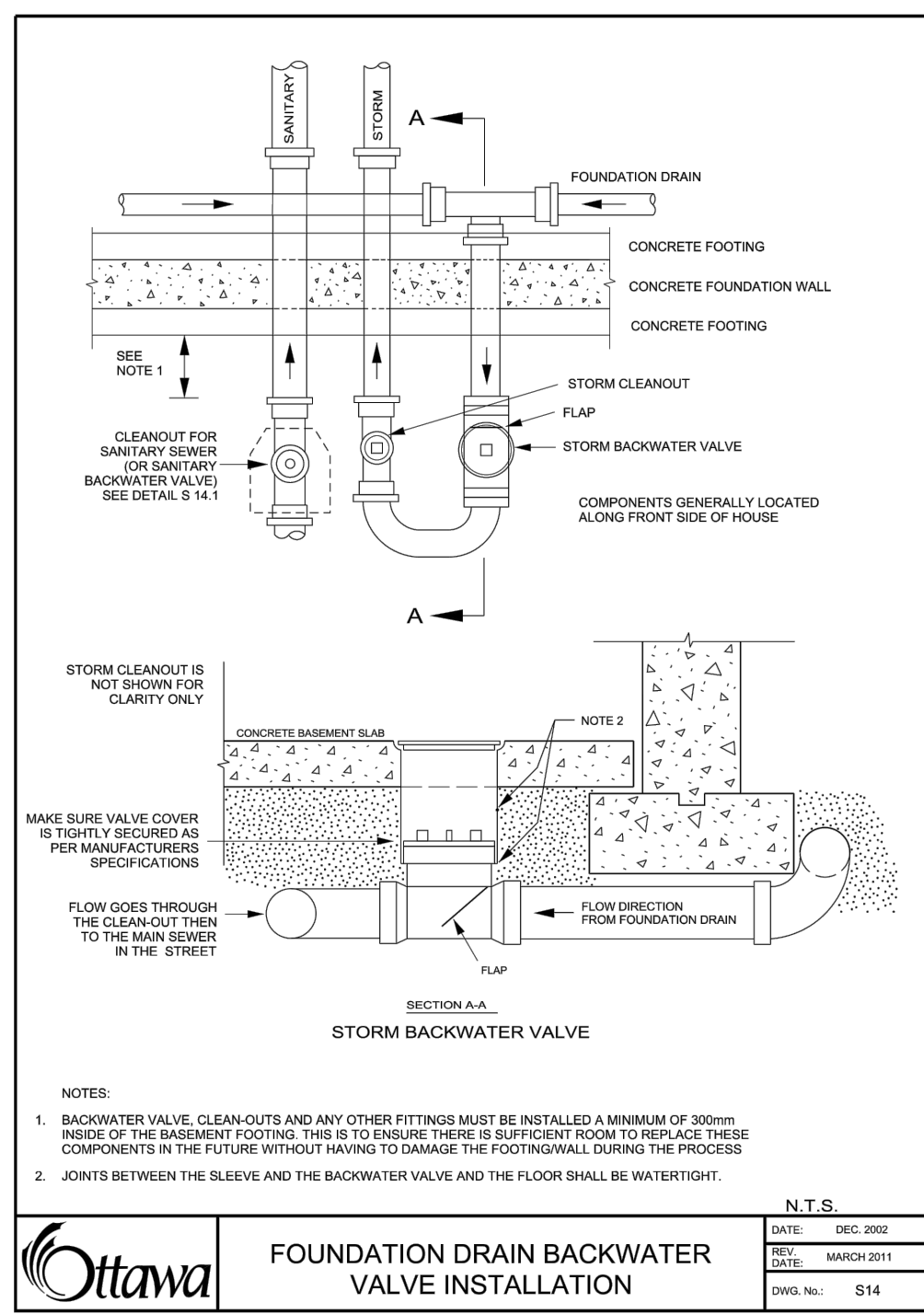
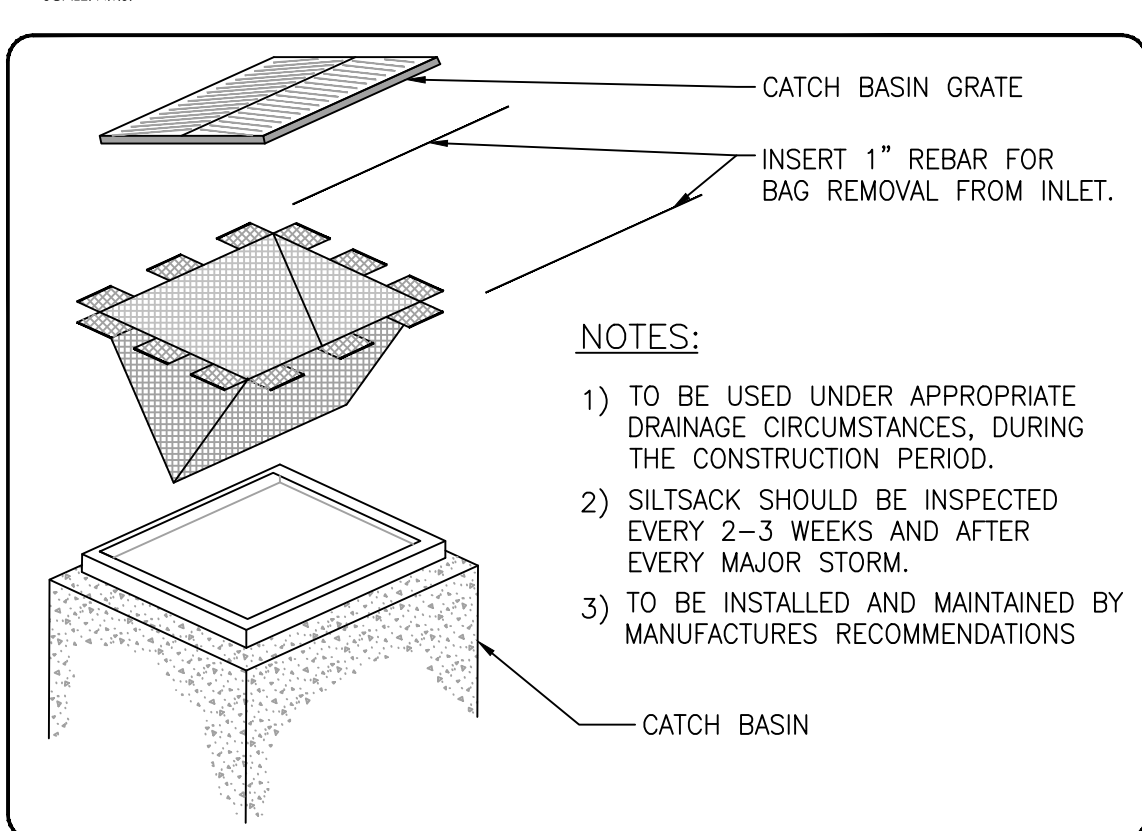
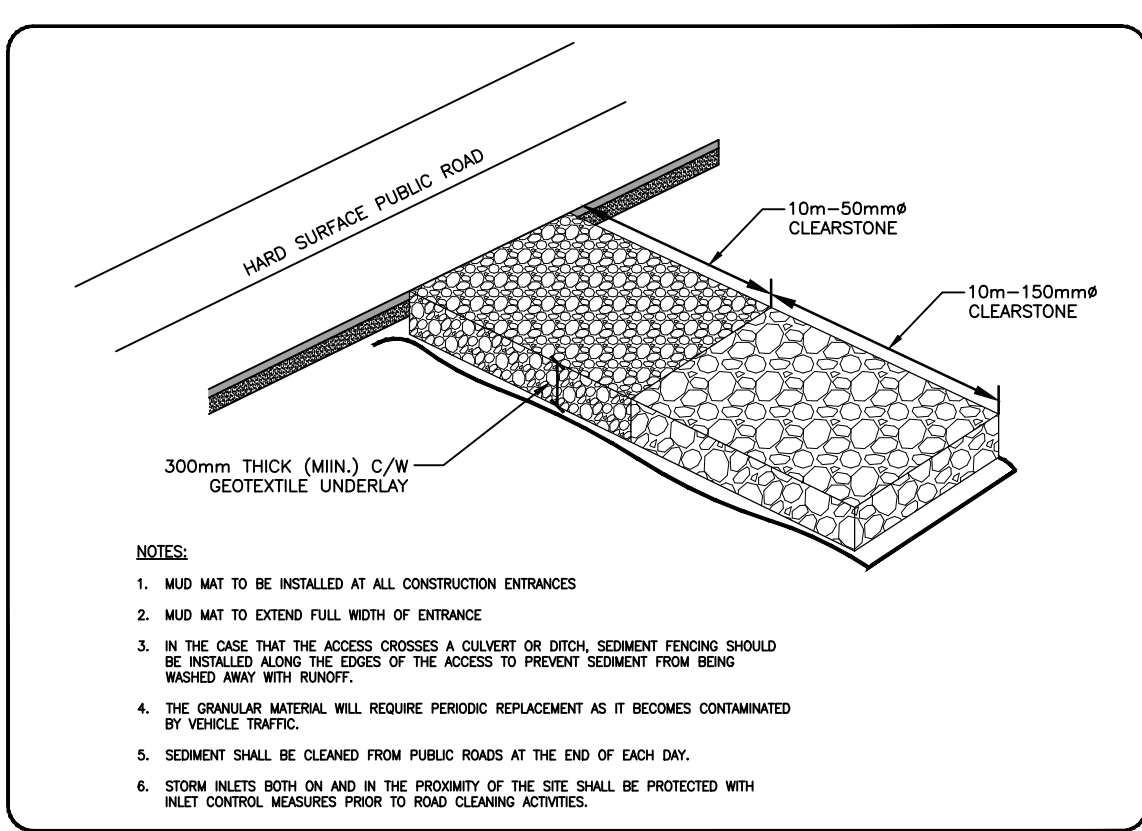
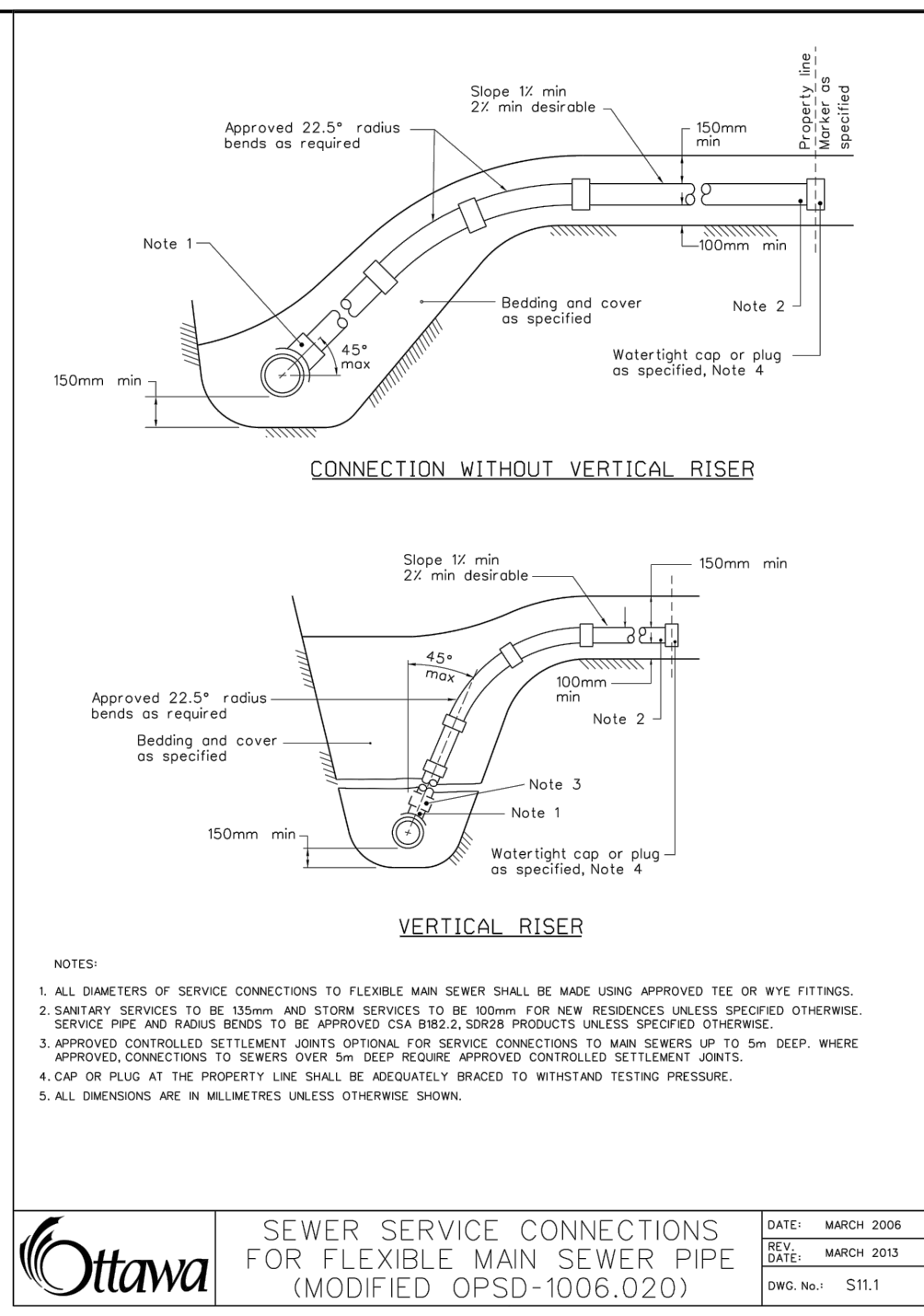
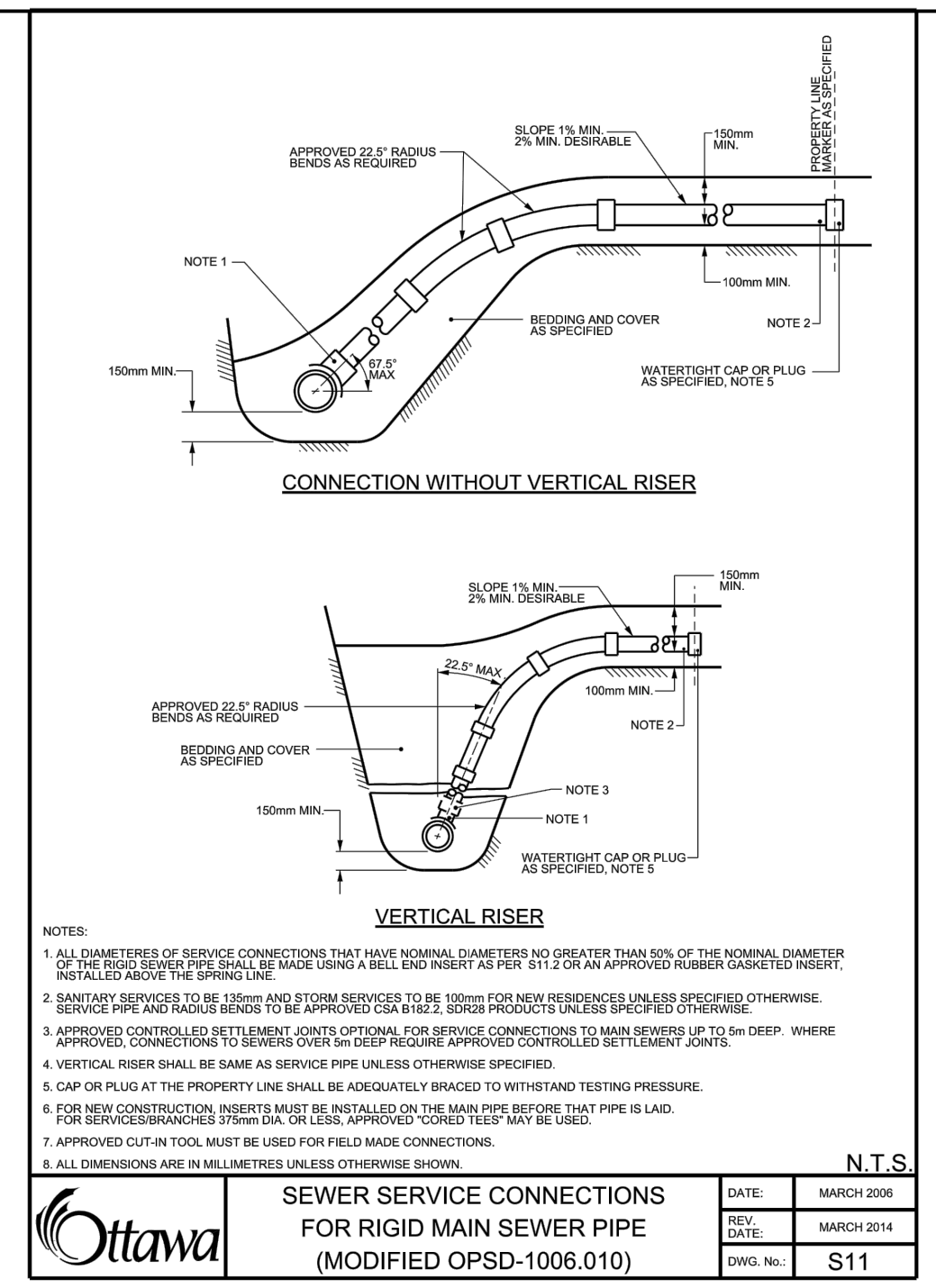
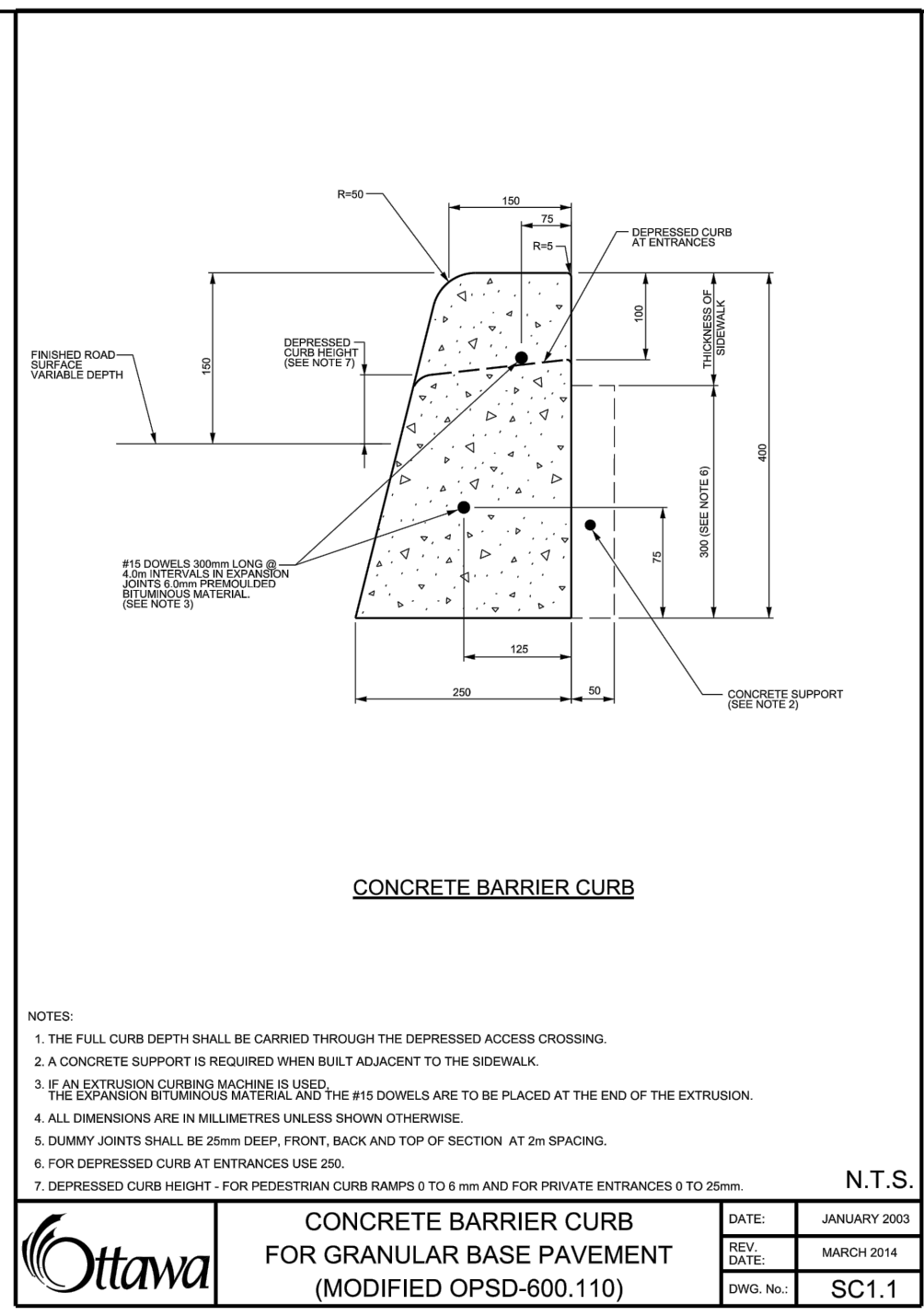
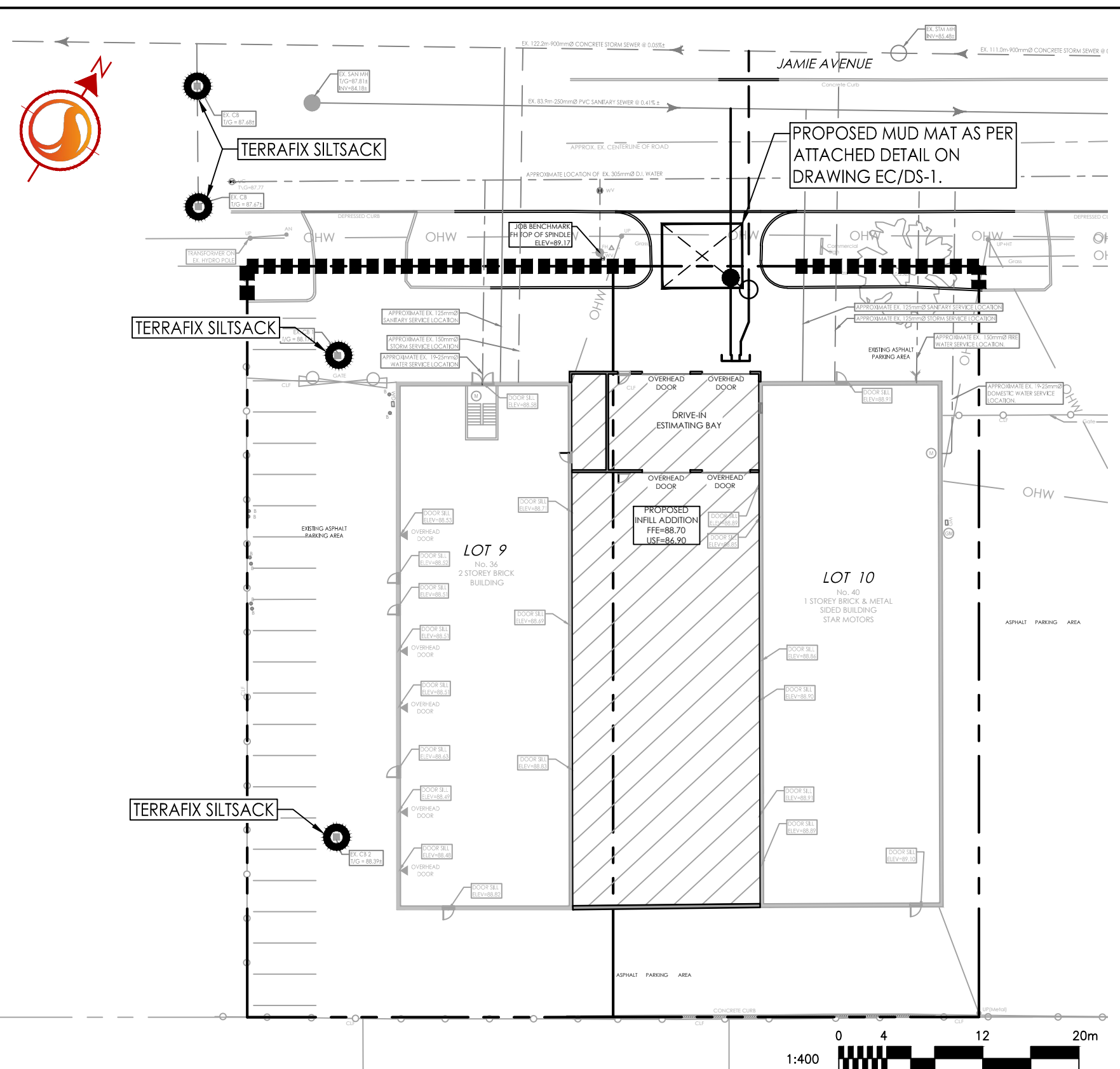
Client/Project

STAR MOTORS

STAR MOTORS BODY SHOP  
36-40 JAMIE AVENUE INFILL ADDITION  
OTTAWA, ON, CANADA

Title  
EROSION CONTROL PLAN AND  
DETAIL SHEET

Project No.	Scale	
160401647		
Drawing No.	Sheet	Revision
EC/DS-1	4 of 6	3

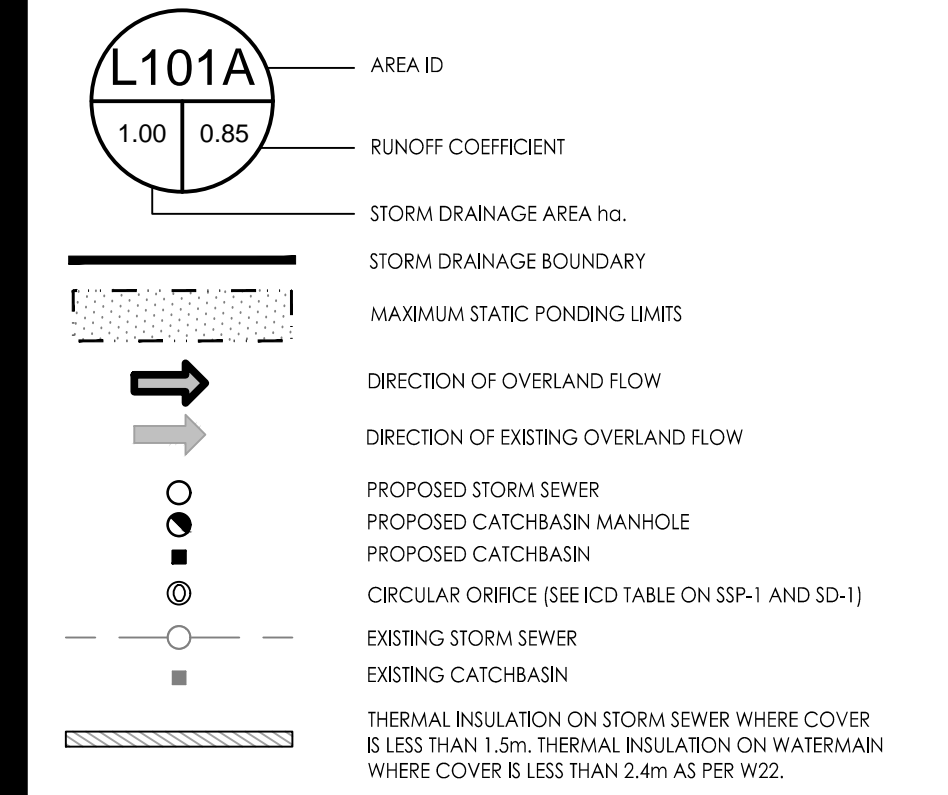




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### Legend



### Notes

Revision	By	Appd.	YY.MM.DD
3	MJS	EB	23.07.05
2	MJS	EB	23.05.09
1	MJS	EB	23.03.03
0	MJS	KK	22.02.11

File Name:	MJS	KK	MJS	21.01.20
160401647.DB	Dwn.	Chkd.	Dgn.	YY.MM.DD

### Permit-Seal

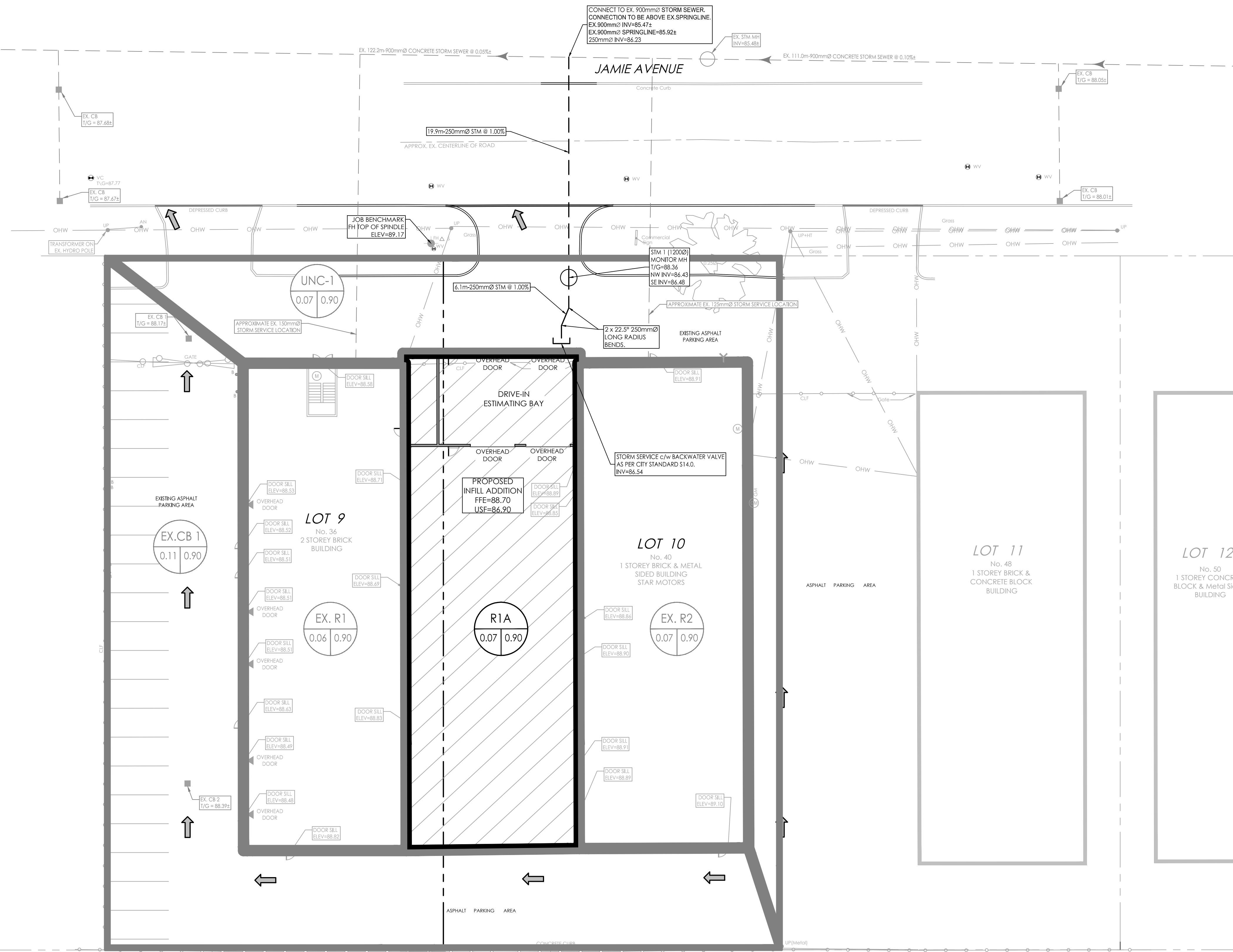
Client/Project  
STAR MOTORS

STAR MOTORS BODY SHOP  
36-40 JAMIE AVENUE INFILL ADDITION  
OTTAWA, ON, CANADA

Title  
STORM DRAINAGE AREA PLAN

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160401647	1:200	5 of 6	3

SD-1 5 of 6 3  
PLAN # 18709





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**Legend**

- C100A** SANITARY DRAINAGE AREA ID#
- 0.31 COM** COMMERCIAL FLOW RATE OF 28000L/day/Ha APPLIED
- SANITARY DRAINAGE AREA ha.
- G100A** SANITARY DRAINAGE AREA ID#
- 0.11 INFL** INFILTRATION RATE OF 0.28 L/s/Ha APPLIED
- SANITARY DRAINAGE AREA ha.
- SANITARY DRAINAGE AREA
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER

**Notes**

Revision	By	Appd.	YY.MM.DD
3	MJS	EB	23.07.05
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1	MJS	EB	23.03.03
0	MJS	KK	22.02.11

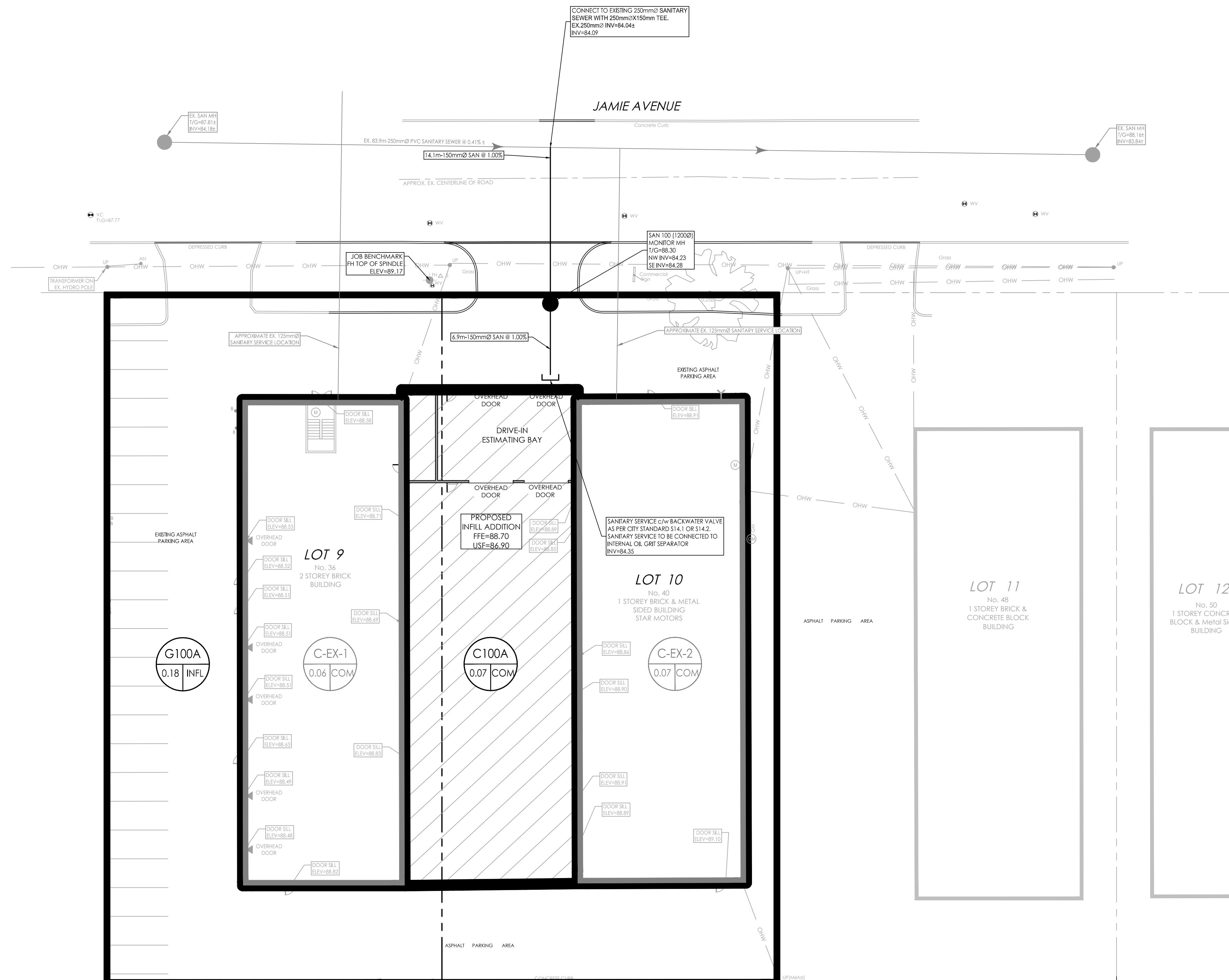
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Permit-Seal	Dwn.	Chkd.	Dsgn.	YY.MM.DD
160401647.DB				

Client/Project  
**STAR MOTORS**

STAR MOTORS BODY SHOP  
36-40 JAMIE AVENUE INFILL ADDITION  
OTTAWA, ON, CANADA

Title  
**SANITARY DRAINAGE AREA PLAN**

Project No.	Scale	Sheet	Revision
160401647	1:200	6 of 6	3
Drawing No.	SA-1		PLAN # 18709



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