

1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISION OF THE STANDARDS AND SPECIFICATIONS FOR THE CITY OF CHICAGO, ILLINOIS, AND ANY OTHER SPECIFICATIONS, STANDARDS, AND SPECIFICATIONS APPLICABLE. LOSSY UTILITY LOCATIONS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
2. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE STATE AND ADJACENT WORK AREAS. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DAMAGED BY THE CONSTRUCTION OF THIS PROJECT.
3. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DAMAGED BY THE CONSTRUCTION OF THIS PROJECT.
4. THE CONTRACTOR SHALL CONFIRM UTILITY LOCATIONS AND NOTIFY EMPLOYERS OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S RISK.
5. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DAMAGED BY THE ENGINEER AT THE EXPENSE OF THE DEVELOPER.
7. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR THE PROTECTION OF THE PUBLIC. THE CONTRACTOR SHALL BE DEEMED TO BE THE CONTRACTOR AS DEFINED IN THE ACT.
8. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE MINISTRY OF TRANSPORTATION OF ONTARIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DAMAGED BY THE CONSTRUCTION OF THIS PROJECT.
10. ALL DIMENSIONS ARE IN METRES UNLESS SPECIFIED OTHERS.
11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL IS RECEIVED FROM THE ENGINEER.
12. ALL CONSTRUCTION SHALL BE ACCORDING TO THE SPECIFICATIONS AND RECORDS FROM THE GEOGRAPHIC INFORMATION SYSTEM (GIS) AND THE RECORD DRAWINGS.
13. CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CITY OF CHICAGO'S SERVING AND STORM MANAGEMENT PLAN.
14. ALL SEWERS CONSTRUCTED WITH GRADES LESS THAN 1.0% SHALL BE INSTALLED USING LAZER ALIGNMENT AND CHECKED WITH A TOTAL STATION.
15. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND TO BEAR THE COST OF THE SAME.
16. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING, OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH EXCEEDS 1.0 METRE.
17. ALL PIPE / CURB/LEIST SYSTEMS REFER TO INSIDE DIMENSIONS.
18. SHOULD DEEPLY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROJECT DURING CONSTRUCTION ACTIVITIES, THE HERITAGE DEPARTMENT OF THE CITY OF CHICAGO MUST BE NOTIFIED IMMEDIATELY.
19. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR FOR APPROVAL.
20. DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SITE PLAN.
21. THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER ONE SET OF AS CONSTRUCTED SITE SERVING AND GRADING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DAMAGED BY THE CONSTRUCTION OF THIS PROJECT OR DISTURBED AND THAT ITS RELATIVE ELEVATION DESCRIPTION AGREES WITH THE INFORMATION PROVIDED ON THIS PLAN.

PRIOR TO THE COMMENCEMENT OF THE SITE GRADING WORKS, ALL SILTATION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

ALL GRANULAR AND PAVEMENT FOR ROADS/PARKING AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STOCKPILED WITHIN THE ROAD RIGHT-OF-WAY IN EXCESS ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

CONCRETE CURBS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC21.1. PROVISION SHALL BE MADE FOR CURBS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF OTTAWA STD. SC21.1.1. SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.4. ALL CURBS, CONCRETE ISLANDS, AND SIDEWALKS SHOWN ON THIS DRAWING ARE TO BE PRICED IN THE BIDDING.

PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. R1.0 AND ASPD 509.010, AND OPSD 330.

GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm around all excavations WITHIN THE PAVEMENT AREA.

SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300mm LIFTS.

ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY.

ALL PAVEMENT MARKING FEATURES AND SITE SIGNAGE SHALL BE PLACED PER ARCHITECTURAL SITE PLAN, LINE PAINTING AND DIRECTIONAL SYMBOLS SHALL BE APPLIED WITH A MINIMUM OF TWO COATS OF ORGANIC SOLVENT PAINT.

FOR ALL EXCAVATION, THE CONTRACTOR SHALL PROVIDE DIMENSIONS AND SITE DETAILS.

STEP JOINTS ARE TO BE USED WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT. ALL JOINTS MUST BE SEALED.

SIDEWALKS TO BE 13mm & BEVELLED AT 2:1 OR 6mm WITH NO BEVEL REQUIRED BELOW THE FINISHED FLOOR SLAB.

FOR ALL EXCAVATION, THE CONTRACTOR SHALL PROVIDE DIMENSIONS AND SITE DETAILS, UNLESS OTHERWISE NOTED, ALL IN ACCORDANCE WITH CBC 3.8.1.3 & OTTAWA ACCESSIBILITY DESIGN STANDARDS.

WHERE APPLICABLE, THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR RETAINING WALL (INCLUDE RAILINGS IF APPLICABLE) FOR REVIEW AND APPROVAL BY THE CITY OF OTTAWA. THE CONTRACTOR SHALL ALSO BE REQUIRED TO SUPPLY A PROFESSIONAL GEOTECHNICAL CERTIFICATION OF THE AS-CONSTRUCTED RETAINING WALL TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.

2. ALL WATERMAIN INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL STANDARDS.
3. ALL P.V.C WATERMANS SHALL BE AWWA C-300 CLASS 150, SDR 18 OR APPROVED EQUIVALENT.
4. "REINFORCED REINCONCRETE SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARD W-7, UNLESS SPECIFIED OTHERWISE.
5. BEDDING FOR COVER WATER MAINS SHALL BE SPECIFIED BY THE PROJECT GEOLOGICAL ENGINEER.
6. ALL WATERMANS SHALL BE INSTALLED WITH A 10 GAUGE STANDARD COPPER TWO OR RWU RATHER WIRE IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARD W-10.
7. WATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF OTTAWA STD. W26 UNLESS OTHERWISE SPECIFIED, SINGLE END JOINTS SHALL BE WELDED TO THE WATERMAIN. ALL JOINTS SHALL BE EXTENDED TO THE EXTERIOR OF THE BUILDING TO A MINIMUM 1.0m ABOVE GRADE PAINTED BLUE. STAND POSTS/SHUT-OFFS SHALL BE INSTALLED AT THE PROPERTY LINE.
8. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS PER CITY OF OTTAWA STD. W40 AND W42.
9. ALL WATERMANS SHALL BE INSTALLED WITHIN THE CITY OF OTTAWA STANDARD W-25.
10. WATERMAIN IN FILL AREAS TO BE INSTALLED WITH RESTRAINED JOINTS PER CITY OF OTTAWA STD. W25.5 AND W25.6.
11. THRUST BLOODING OF WATERMANS TO BE INSTALLED PER CITY OF OTTAWA STD. W25.3 AND W25.4.
12. ALL WATERMANS SHALL BE INSTALLED WITHIN THE CITY OF OTTAWA STANDARD W-25.5 AND W-25.6 UNLESS OTHERWISE SPECIFIED.
13. DISINFECTION OF THE WATERMAIN.
14. ALL WATERMAIN CROSSING OVER AND BELOW SERVICES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25.3 RESPECTIVELY.
15. WATER SERVICES ARE TO BE INSULATED PER CITY STD. W23 WHERE SEPARATION BETWEEN SERVICES AND MAINTENANCE HOLES ARE LESS THAN 100mm.
16. THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.50m PER MOE GUIDELINES. FOR CROSSING OVERS, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY SHALL BE 1.00m PER MOE GUIDELINES AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTRED AT THE POINT OF CROSSING TO ENSURE THAT THE JOINTS WILL NOT BE AT THE POINT OF CROSSING.
17. ALL WATERMANS SHALL HAVE A MINIMUM COVER OR 2.4m, UNLESS THERMAL INSULATION IS REQUIRED AS PER STD W22.
18. GENERAL WATER PLANT TO UTILITY CLEARANCE AS PER STD W20
19. ALL WATERMANS SHALL BE INSTALLED WITHIN THE CITY OF OTTAWA STANDARD W-25.5 AND W-25.6 UNLESS OTHERWISE SPECIFIED. PROPOSED FINISHED GRADE AT HYDRAUT. FIRE HYDRANT LOCATION AS PER STD W18.
20. ALL WATERMANS SHALL BE INSTALLED WITHIN THE CITY OF OTTAWA STANDARD W-25.5 AND W-25.6 UNLESS OTHERWISE SPECIFIED. MINIMUM OF 12" BACK FROM STURD.
21. ALL WATERMANS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES.
22. ALL WATERMANS SHALL BE BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES.
23. WATER MUST BE CONTROLLED AND TREATED SO AS NOT TO ADVERSELY EFFECT THE ENVIRONMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF OTTAWA.
24. ALL WATERMAIN STUBS SHALL BE TERMINATED WITH A PLUG AND 500mm BLOW OFF UNLESS OTHERWISE NOTED.

1. **SEALERS**  
LASER ALIGNMENT CONTROL, TO BE UTILIZED ON ALL SEALER INSTALLATIONS.

2. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING SS. THE SEALS SHOULD BE AT LEAST 1.5m LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. THE SEALS SHOULD EXTEND FROM THE FROST LINE TO THE BOTTOM OF THE TRENCH. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 25mm LIFTS AND COMPACTED TO A MINIMUM OF 95% SPD.

3. THE TRENCHES SHALL BE BACKFILLED WITH GRANULAR MATERIAL TO THE FINISHED GRADE. THE BACKFILL SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY, A MINIMUM OF 300mm AROUND STRUCTURES.

4. "MODULOG" OR APPROVED PRE-CAST MAINTENANCE STRUCTURE AND CATCH BASIN ACCESSORIES TO BE USED IN LINE OF BROOKING.

5. SAFETY PLATFORMS SHALL BE INSTALLED IN ACCORDANCE WITH OPSD 1003.01 AND 1003.02, IF APPLICABLE.

6. THE CONTRACTOR IS TO PROVIDE CCTV CAMERA INSPECTIONS OF ALL SEWERS, INCLUDING PICTORIAL REPORT, ONE (1) CD COPY AND VIDEO COPY SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF REPAIR INSPECTION. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

7. THE CONTRACTOR SHALL PROVIDE VIDEO INSPECTION OF THE CONSULTANT, FOR SANITARY SEWERS, A COPY OF THE VIDEO AND VIDEO COPY SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF REPAIR COURSE ASPHALT.

8. PROTECT EXISTING RECOMMENDATIONS FOR STORM SEWERS WITH LESS THAN 1.5m AND SANITARY SEWERS WITH LESS THAN 1.8m FROM GROUND SURFACE TO PIPE OVERTO BE PROVIDED BY GEOTECHNICAL ENGINEER.

1. ALL SANITARY SEWER INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF UTAHA AND THE UTAHIAN STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. ALL SANITARY SEWER SHALL BE 150mm PVC SDR 35, PE3, "RING-TITE" (OR APPROVED EQUIVALENT) PER CSA STANDARD MS-2456.
3. ALL SANITARY LATERALS ARE TO BE PVC SDR 35, PE3, "RING-TITE" (OR EQUIVALENT), ANY COLOR EXCEPT WHITE AND MARKED WITH A 50mm x 100mm WOODEN MARKER, EXTENDING FROM THE INVERT TO 100 mm ABOVE GRADE PAINTED RED. HOUSE CONNECTIONS SHALL BE 150mm PVC SDR 35, PE3, "RING-TITE" (OR EQUIVALENT).
4. ALL SANITARY MANHOLES SHALL BE RE-RECEIVED WHERE A NEW CONNECTION IS MADE.
5. SANITARY GRAVITY SEWER TRENCH AND BEDDING SHALL BE PER CITY OF UTAHA STD. 56 AND S7 "B" BEDDING, UNLESS SPECIFIED OTHERWISE.
6. SANITARY MANHOLE STRUCTURE FRAME AND COVERS SHALL BE PER CITY OF UTAHA STD. S24 AND S25.
7. SANITARY MANHOLE STRUCTURES SHALL BE BENCHMARKED PER OPSD 701.021.

[illegible]

NEW ASPHALT  
PER PAVEMENT  
STRUCTURE DETAIL

SAW CUT LINE

MILL 40mm(MIN) DEPTH

SAW CUT LINE

EXISTING ASPHALT

EXISTING  
GRANULAR BASE

0.305m (MIN)

1.0m (MAX)

TREAT SURFACE WITH  
TACK COAT BEFORE  
PLACING ASPHALT

Figure 1 shows two cross-sections of a road pavement structure. The left cross-section is labeled 'LIGHT DUTY' and has a total thickness of 150mm. It consists of a 50mm HL3 ASPHALTIC CONCRETE layer on top of a 100mm GRANULAR 'A' layer. The right cross-section is labeled 'FIRE ROUTE / HEAVY DUTY' and has a total thickness of 450mm. It consists of a 20mm HL3 ASPHALTIC CONCRETE layer on top of a 150mm GRANULAR 'A' layer, which is on top of a 280mm GRANULAR 'B' TYPE II layer. Both cross-sections are shown on a SUBGRADE. A horizontal arrow points from the 'LIGHT DUTY' section to the 'FIRE ROUTE / HEAVY DUTY' section.

GENERAL

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.

THE CONTRACTOR ACKNOWLEDGES THAT SURFACE EROSION AND SEDIMENT RUNOFF RESULTING FROM THEIR CONSTRUCTION OPERATIONS HAS POTENTIAL TO CAUSE A DETRIMENTAL IMPACT TO ANY DOWNSTREAM WATERCOURSE OR SEWER, AND THAT ALL CONSTRUCTION OPERATIONS THAT MAY IMPACT UPON WATER QUALITY SHALL BE CARRIED OUT IN A MANNER THAT STRICTLY MEETS THE REQUIREMENTS OF ALL APPLICABLE LEGISLATION AND REGULATIONS.

AS SUCH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT THEIR OPERATIONS, AND SUPPLYING AND INSTALLING ANY APPROPRIATE CONTROL MEASURES, SO AS TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING ANY SEWER OR WATERCOURSE WITHIN OR DOWNSTREAM OF THE WORKING AREA.

THE CONTRACTOR ACKNOWLEDGES THAT ONE MEASURE IS LIKELY TO BE 100% EFFECTIVE FOR EROSION PROTECTION AND CONTROLLING SEDIMENT RUNOFF AND DISCHARGES FROM THE SITE. THEREFORE, WHEN NECESSARY THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES ARRANGED IN SUCH A MANNER AS TO MITIGATE SEDIMENT RELEASE FROM THE CONSTRUCTION OPERATIONS AND ACHIEVE SPECIFIC MAXIMUM PERMITTED CRITERIA WHERE APPLICABLE. SUGGESTED MEASURES MAY INCLUDE BUT NOT BE LIMITED TO: STABILIZATION OF EXPOSED SOILS WITH MULCH OR HYDROSEEDING; INSTALLATION OF SOD MATS; STRIP PLANTINGS; SILT FENCES, STRAW BALES, FILTER CLOTHS, CATCH BASIN FILTERS, CHECK DAMS AND/OR BERMS, OR OTHER RECOGNIZED TECHNOLOGIES AND METHODS AVAILABLE AT THE TIME OF CONSTRUCTION. SPECIFIC MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OSPF 577 WHERE APPROPRIATE, OR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

WHERE, IN THE OPINION OF THE CONTRACT ADMINISTRATOR OR REGULATORY AGENCY, THE INSTALLED CONTROL MEASURES FAIL TO PERFORM ADEQUATELY, THE CONTRACTOR SHALL SUPPLY AND INSTALL ADDITIONAL OR ALTERNATIVE MEASURES AS DIRECTED BY THE CONTRACT ADMINISTRATOR OR REGULATORY AGENCY. AS SUCH, THE CONTRACTOR SHALL HAVE ADDITIONAL CONTROL MATERIALS ON SITE AT ALL TIMES WHICH ARE EASILY ACCESSIBLE AND MAY BE IMPLEMENTED BY HIM AT A MOMENT'S NOTICE.

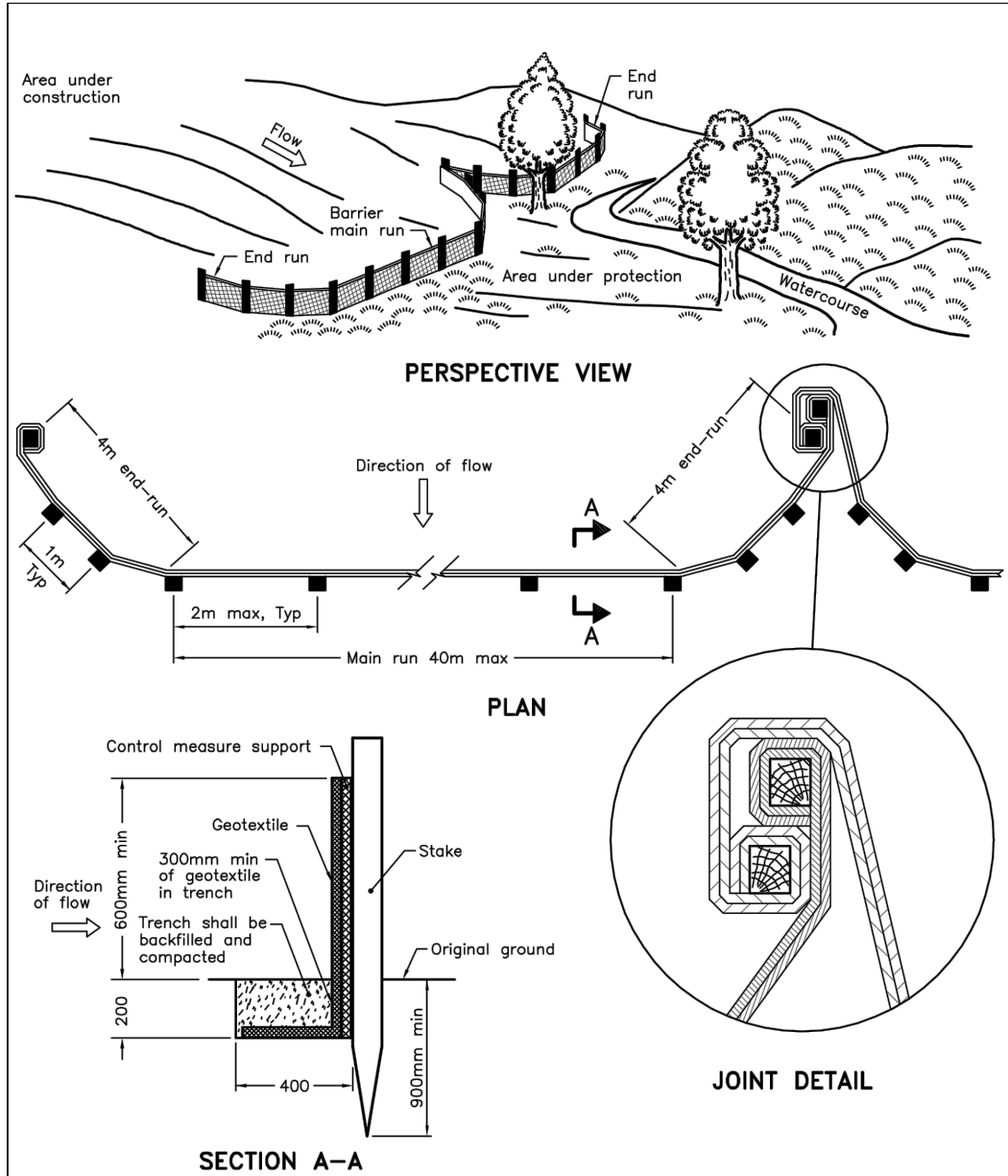
PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT TO THE CONTRACT ADMINISTRATOR SIX COPIES OF A DETAILED EROSION AND SEDIMENT CONTROL PLAN (ESCP). THE ESCP WILL CONSIST OF A WRITTEN DESCRIPTION AND DETAILED DRAWINGS INDICATING THE ON-SITE ACTIVITIES AND MEASURES TO BE USED TO CONTROL EROSION AND SEDIMENT MOVEMENT FOR EACH STEP OF THE WORK.

1. ALL CONSTRUCTION EQUIPMENT SHALL BE RE-FUELED, MAINTAINED, AND STORED NO LESS THAN 30 METRES FROM WATERCOURSES, STREAMS, CREEKS, WOODLOTS, AND ANY ENVIRONMENTALLY SENSITIVE AREAS, OR AS OTHERWISE SPECIFIED.
2. TAKE IMMEDIATE MEASURES TO PREVENT LEAKS, DISCHARGES OR SPILLS OF POLLUTANTS, DELETERIOUS MATERIALS, OR OTHER SUCH MATERIALS OR SUBSTANCES WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT.
3. IN THE EVENT OF A LEAK, DISCHARGE OR SPILL OF A POLLUTANT, DELETERIOUS MATERIAL OR OTHER SUCH MATERIAL OR SUBSTANCE WITH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT:
- 3.1. IMMEDIATELY NOTIFY THE APPROPRIATE FEDERAL, PROVINCIAL, AND LOCAL GOVERNMENT MINISTRIES, DEPARTMENTS, AGENCIES, AND AUTHORITIES OF THE INCIDENT IN ACCORDANCE WITH ALL CURRENT LAWS, LEGISLATION, ACTS, BY-LAWS, PERMITS, APPROVALS, ETC.
- 3.2. TAKE IMMEDIATE MEASURES TO CONTAIN THE MATERIAL OR SUBSTANCE, AND TO TAKE SUCH MEASURES TO MITIGATE AGAINST ANY ADVERSE IMPACTS TO THE NATURAL ENVIRONMENT.
- 3.3. RESTORE THE AFFECTED AREA TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.

1. THE GRANULAR MATERIAL WILL REQUIRE PERIODIC REPLACEMENT AS IT BECOMES CONTAMINATED BY VEHICLE TRAFFIC.
2. SEDIMENT SHALL BE CLEANED FROM PUBLIC ROADS AT THE END OF EACH DAY.
3. SEDIMENT SHALL BE REMOVED FROM PUBLIC ROADS BY SHOVELING OR SWEEPING AND DISPOSED OF PROPERLY IN A CONTROLLED SEDIMENT DISPOSAL AREA.

Diagram illustrating the components and assembly of the SiltSack® system:

- INSERT 1" REBAR FOR BAD REMOVAL FROM INLET (REBAR NOT INCLUDED):** A long, thin rod used for removal.
- OPTIONAL OVERFLOW:** A mesh structure that can be added to the top of the sack.
- SILTSACK®:** The main mesh container.
- DUMP LOOPS (REBAR NOT INCLUDED):** A series of loops attached to the bottom of the sack for easy lifting.
- Dimensions:**
  - DEPTH = D**: The vertical height of the sack.
  - WIDTH = W**: The horizontal width of the sack.
  - LENGTH = L**: The length of the sack, including the dump loops.

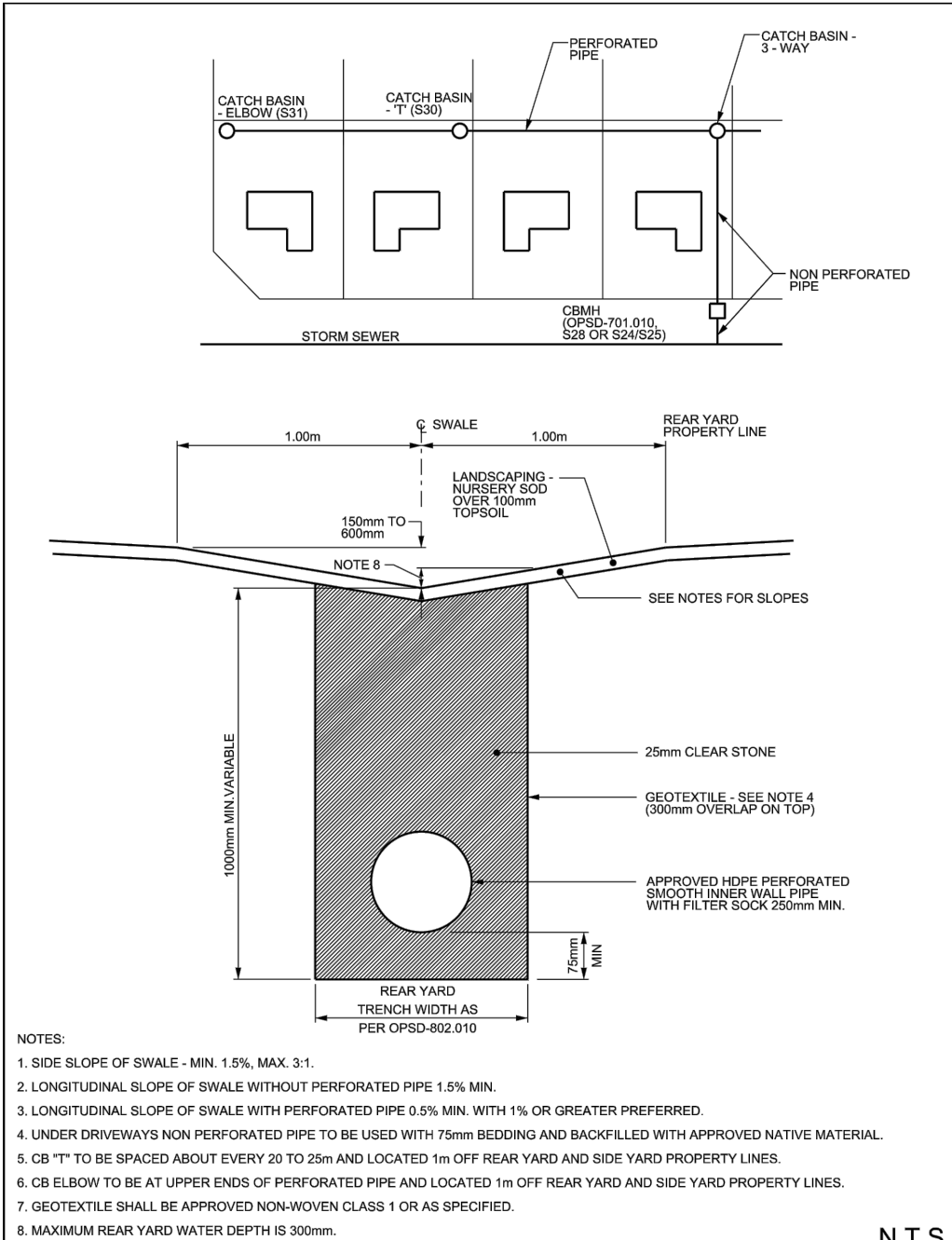


NOTE:

HEAVY-DUTY  
SILT FENCE BARRIER

Nov 2015 Rev 2

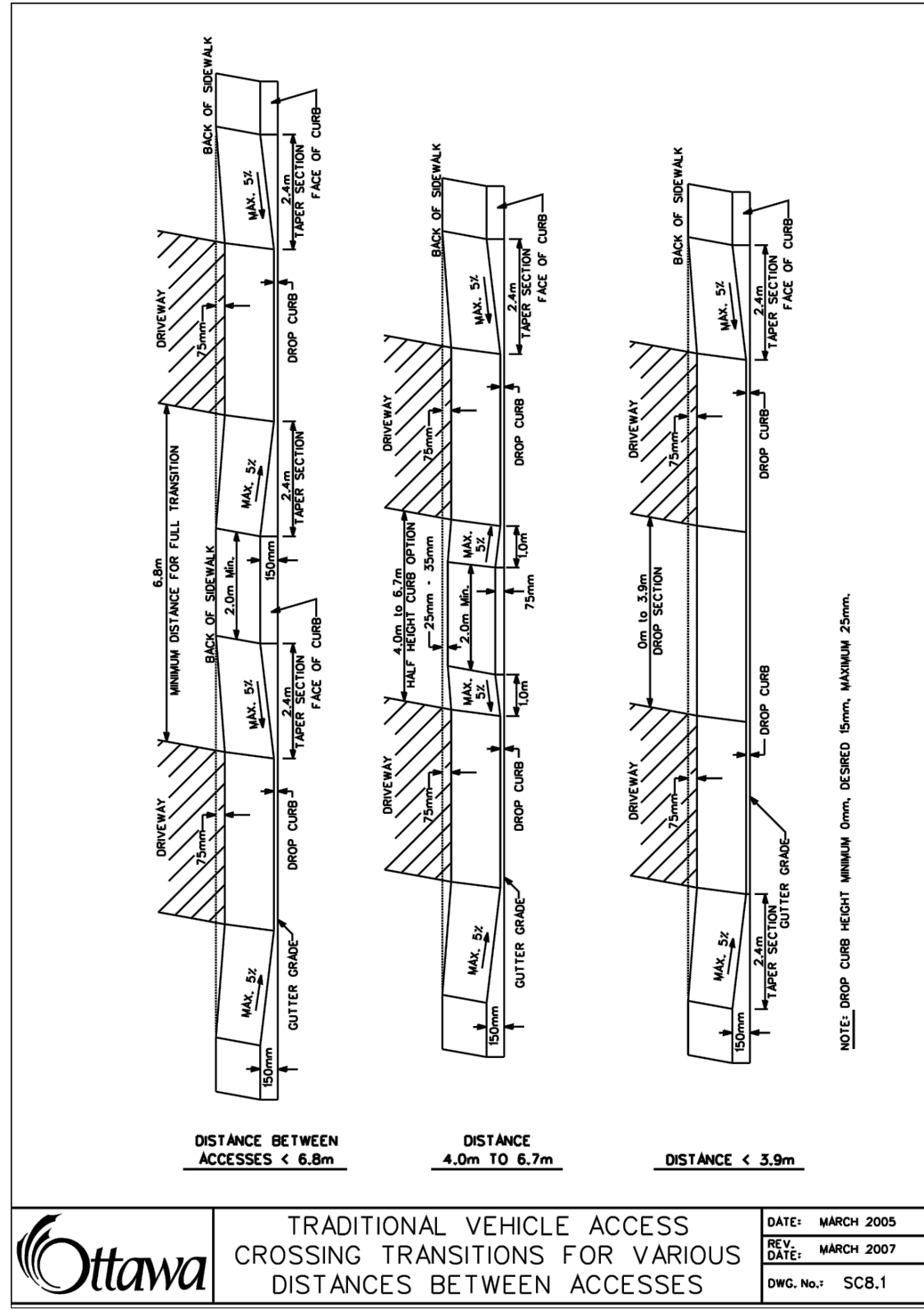
OPSD 219.130



NTS

	<p>PERFORATED PIPE INSTALLATION FOR REAR YARD AND LANDSCAPING APPLICATIONS</p>
---	--

N.T.S	
DATE:	MARCH 2007
REV. DATE:	MARCH 2017
DWG. No.:	S29



TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD  
PROJ. NO. 19336-17  
DATED MAY 16, 2017

SITE PLAN PROVIDED BY RODERICK LAHEY ARCHITECTS  
PROJ. NO. 1020  
DATED JUNE 5, 2017

GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP INC  
 PROJ. NO. PG1630-1R  
 DATED DEC 3, 2012

SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEI  
 PROJ. NO. 17-927  
 DATED JUNE 2017

TOP OF FIRE SPINDLE LOCATED NORTH EAST OF THE SUBJECT SITE  
ELEV=74.01m

1	A.J.G.	17.06.14	ISSUED FOR MUNICIPAL REVIEW
No.	BY	YY.MM.DD	DESCRIPTION

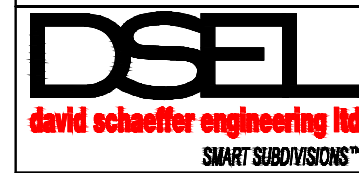
PROJECT No. 17-927

DETAIL SHEET  
2781 BASELINE ROAD

© DSEL

GREATWISE DEVELOPMENTS

333 Wilson Avenue, Suite 200  
Toronto, Ontario, M3H 1T2



120 Iber Road Unit 103  
Stittsville, Ontario, K2S 1E9  
Tel. (613) 836-0856  
Fax. (613) 836-7183  
[www.DSEL.ca](http://www.DSEL.ca)

DRAWN BY:	A.J.G.	CHECKED BY:	R.D.F.	DRAWING NO.	SHEET NO.
DESIGNED BY:	R.D.F.	CHECKED BY:	A.D.F.	DS-1	5 of 5
SCALE:	1: 300	DATE:	JUNE 2017		