

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.  
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110

PROPOSED MUD MAT LOCATION

PROPOSED CATCH BASIN PROTECTION

Notes

Best Management Practices

CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT.

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 MEASURES IS 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 ENTRANCES TO THE SITE.

| Revision | By | Appd. | YY.MM.DD |
|----------|----|-------|----------|
| 2        | JP | SG    | 25.11.07 |
| 1        | JP | SG    | 25.09.05 |
| 0        | JP | SG    | 25.05.13 |

|            |                       |       |       |       |          |
|------------|-----------------------|-------|-------|-------|----------|
| File Name: | 160402143-HMB5-PH7-D8 | JP    | SG    | JP    | 25.04.17 |
|            |                       | Down. | Chkd. | Dsgn. | YY.MM.DD |

Permit-Seal

Client/Project

Mattamy Homes

HMB PHASE 7

OTTAWA, ON

Title

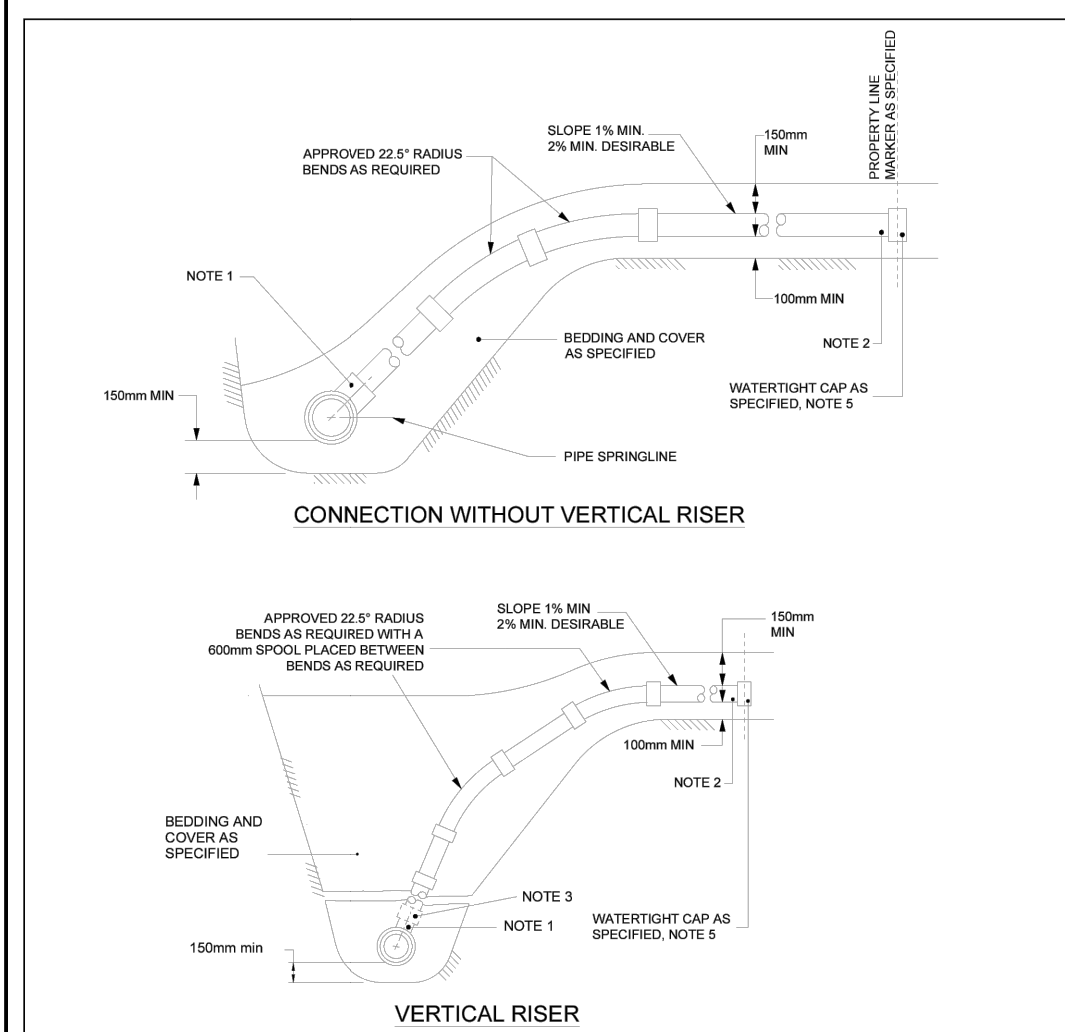
EROSION CONTROL PLAN  
AND DETAIL SHEET

|             |       |            |
|-------------|-------|------------|
| Project No. | Scale | 0 5 15 25m |
| 160402143   | 1:500 |            |
| Drawing No. | Sheet | Revision   |

EC/DS-1

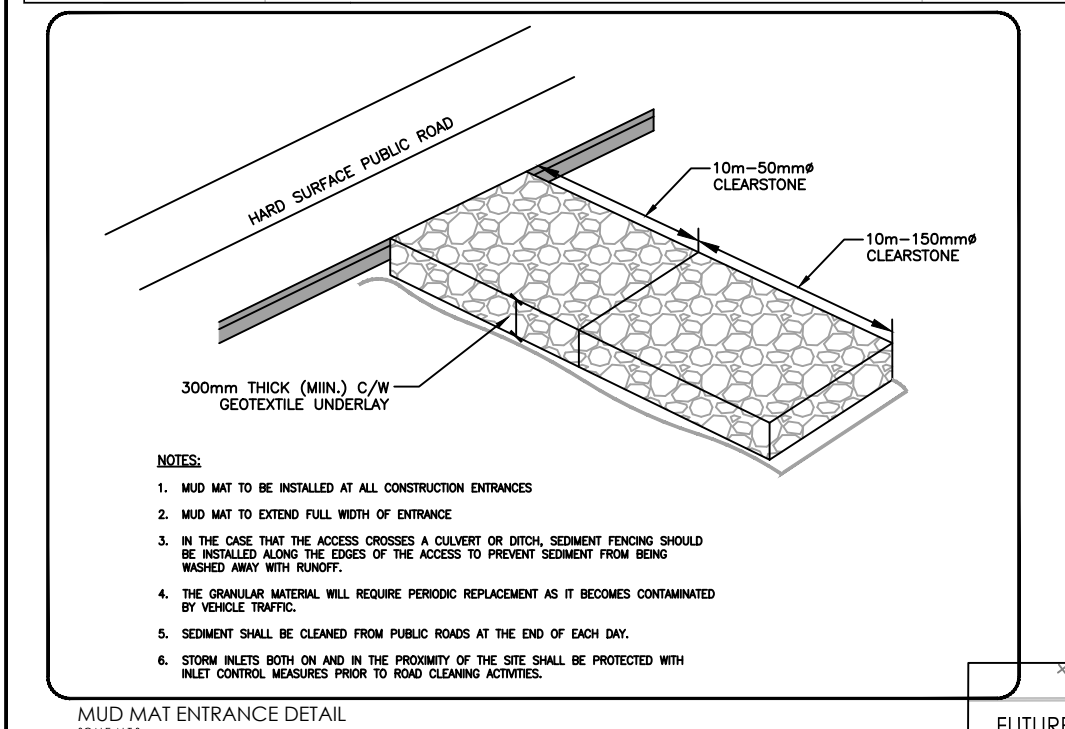
6 of 9

2

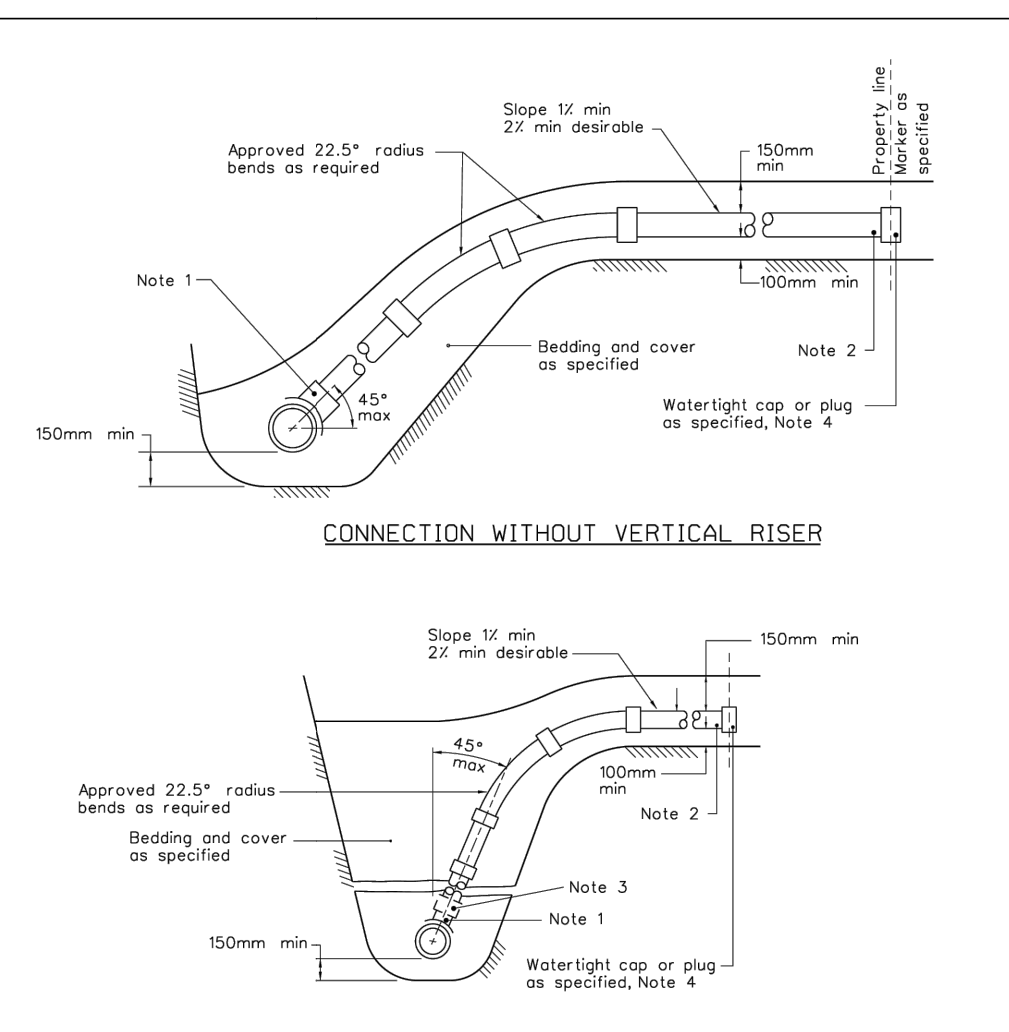
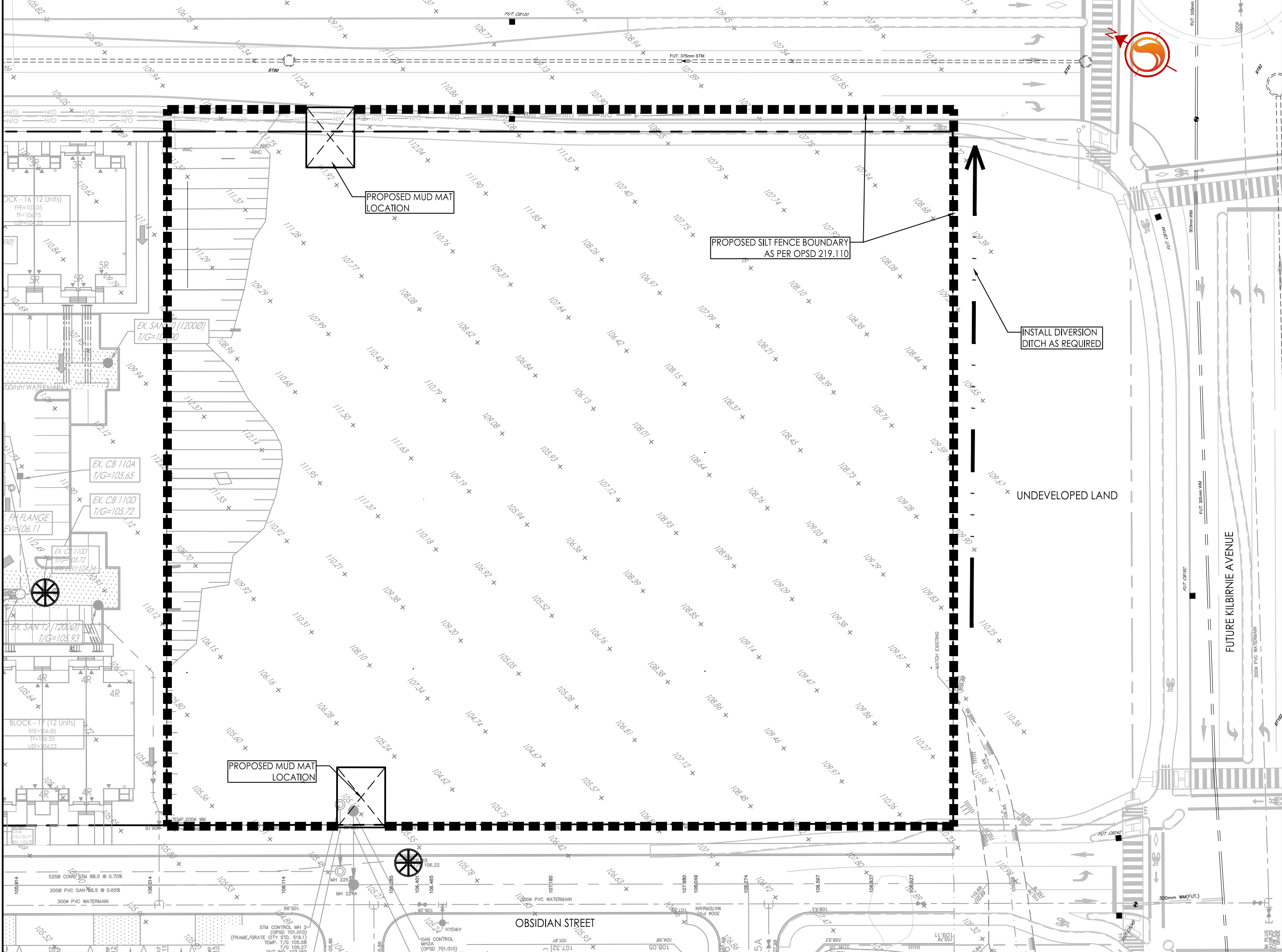


- NOTES:
- DIAMETER OF SERVICE CONNECTIONS SHALL BE NO GREATER THAN 50% OF THE DIAMETER OF THE RIGID MAIN SEWER MAIN DIAMETER. THE CONNECTION SHALL BE MADE USING A SELL END INSERT PER S11.2 OR AN APPROVED RUBBER GASKETED INSERT INVERT OF SERVICE CONNECTION SHALL BE AT THE SAME ELEVATION OR GREATER THAN THE ELEVATION OF THE SPRINGLINE OF THE SEWER MAIN.
  - SANITARY SERVICES TO BE 150mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE.
  - APPROVED SETTLEMENT JOINTS OPTIONAL FOR SERVICE CONNECTIONS TO MAIN SEWERS UP TO 5m DEEP WHERE APPROVED CONNECTIONS TO SEWERS OVER 5m DEEP REQUIRE APPROVED CONTROLLED SETTLEMENT JOINTS.
  - APPROVED CONNECTIONS TO SEWERS OVER 5m DEEP REQUIRE APPROVED CONTROLLED SETTLEMENT JOINTS.
  - VERTICAL RISER SHALL BE MADE AS A SERVICE PIPE UNLESS OTHERWISE SPECIFIED.
  - CAP AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
  - FOR NEW CONSTRUCTION, INSERTS MUST BE INSTALLED ON THE MAIN PIPE BEFORE THAT PIPE IS LAID. FOR SERVICE/REPAIRS, 150mm DIA. OR LESS, APPROVED "CORED TEE" MAY BE USED.
  - APPROVED CAP/TIE TOOL MUST BE USED FOR ALL SERVICE CONNECTIONS.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
  - RADIUS BENDS GREATER THAN 22.5° ARE NOT ALLOWED.

|               |                                                                                     |                |
|---------------|-------------------------------------------------------------------------------------|----------------|
| <b>Ottawa</b> | TITLE: SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010) | DATE: MAR 2006 |
| REV. MAR 2024 | DWG No.: S11                                                                        |                |

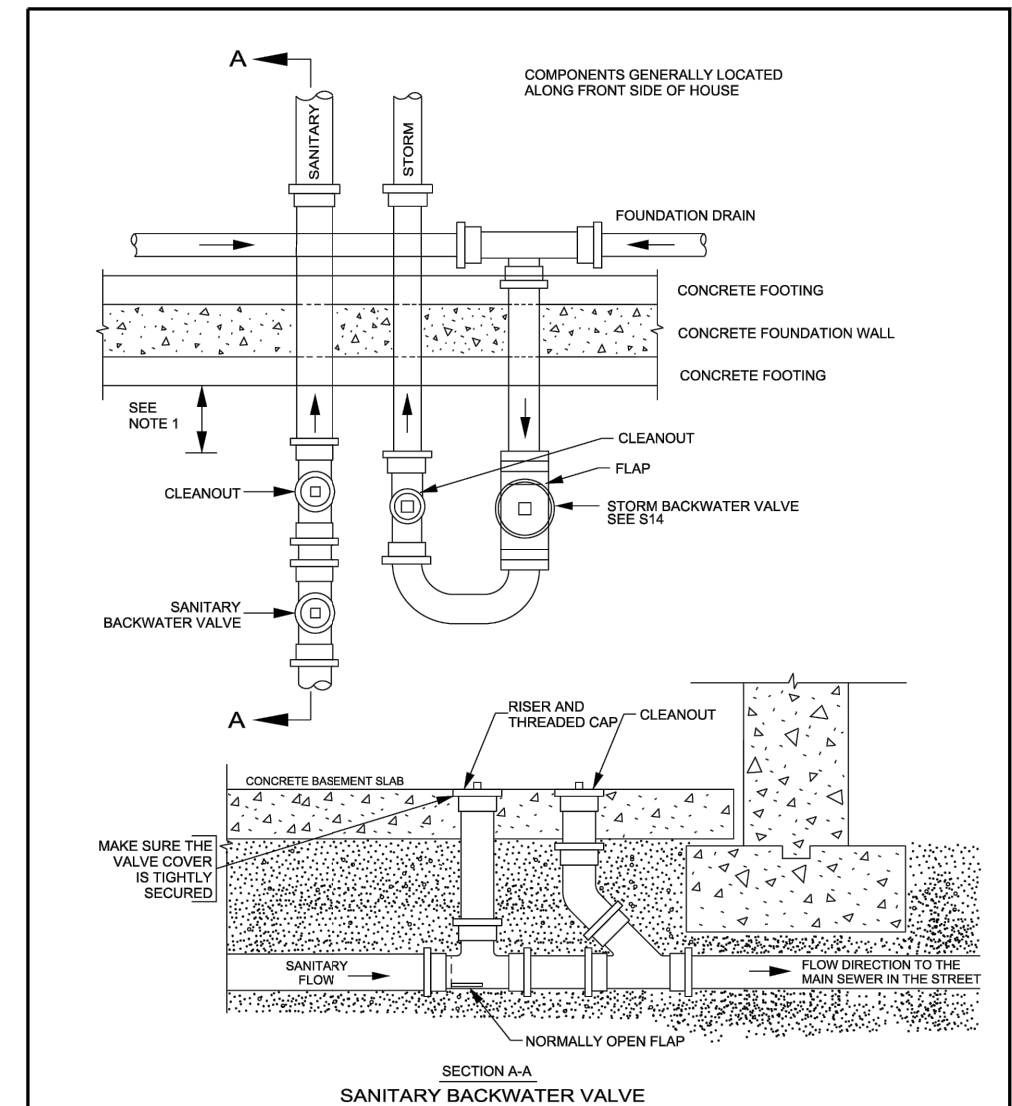


- NOTES:
- MUD MAT TO BE INSTALLED AT ALL CONSTRUCTION ENTRANCES.
  - MUD MAT TO EXTEND FULL WIDTH OF ENTRANCE.
  - IN THE CASE THAT THE MUD MAT IS DAMAGED OR OTHER SEDIMENT FLOWING SHOULD BE INSTALLED ALONG THE EDGES OF THE ACCESS TO PREVENT SEDIMENT FROM BEING WASHED AWAY BY RUN-OFF.
  - THE GRANULAR MATERIAL WILL REQUIRE PERIODIC REPLACEMENT AS IT BECOMES CONTAMINATED BY ROAD TRAFFIC.
  - SEDIMENT SHALL BE CLEANED FROM PUBLIC ROADS AT THE END OF EACH DAY.
  - STORM WATERS BOTH ON AND IN THE PROXIMITY OF THE SITE SHALL BE PROTECTED WITH MUD CONTROL BARRIERS PRIOR TO MUD CLEANING ACTIVITIES.



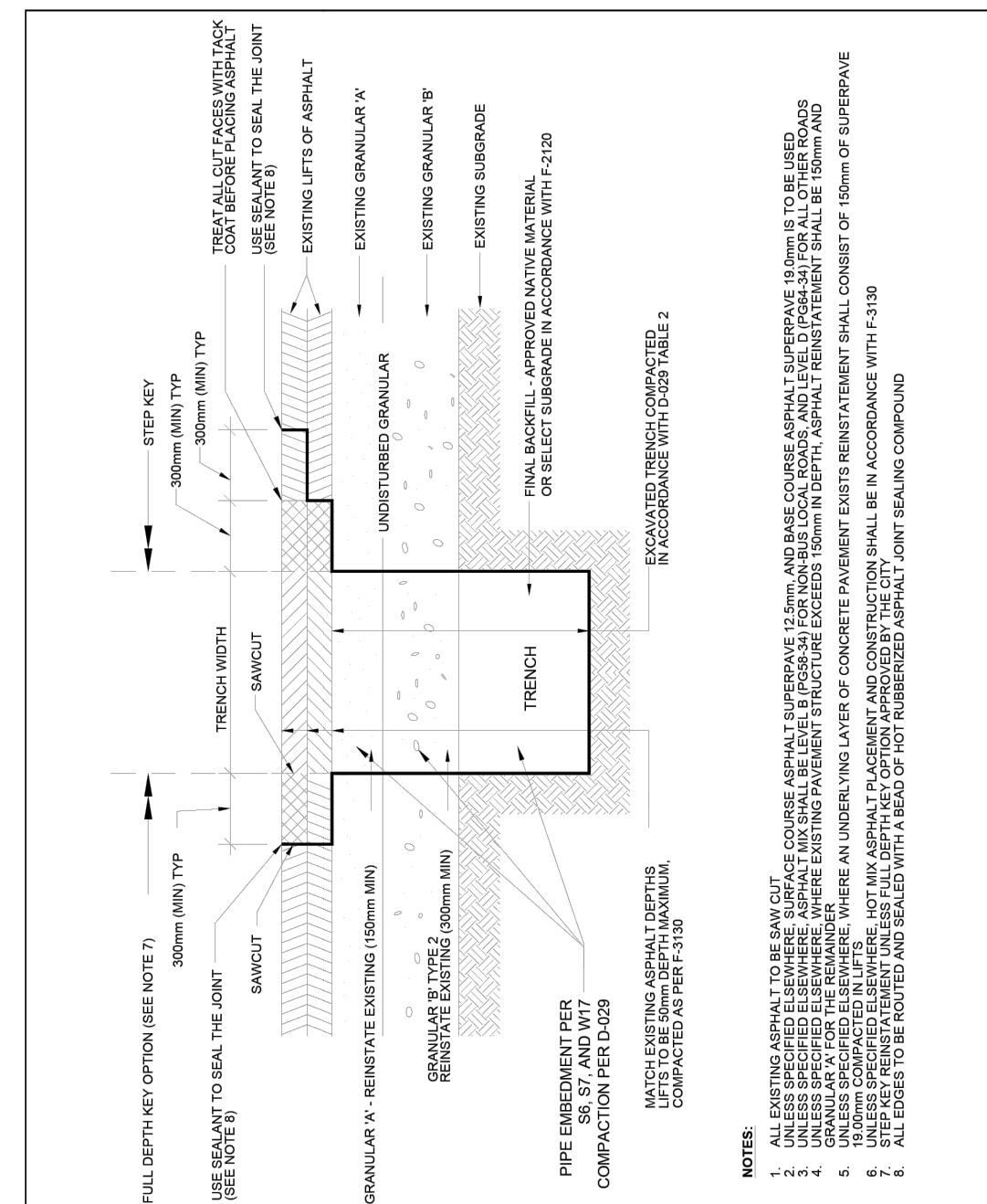
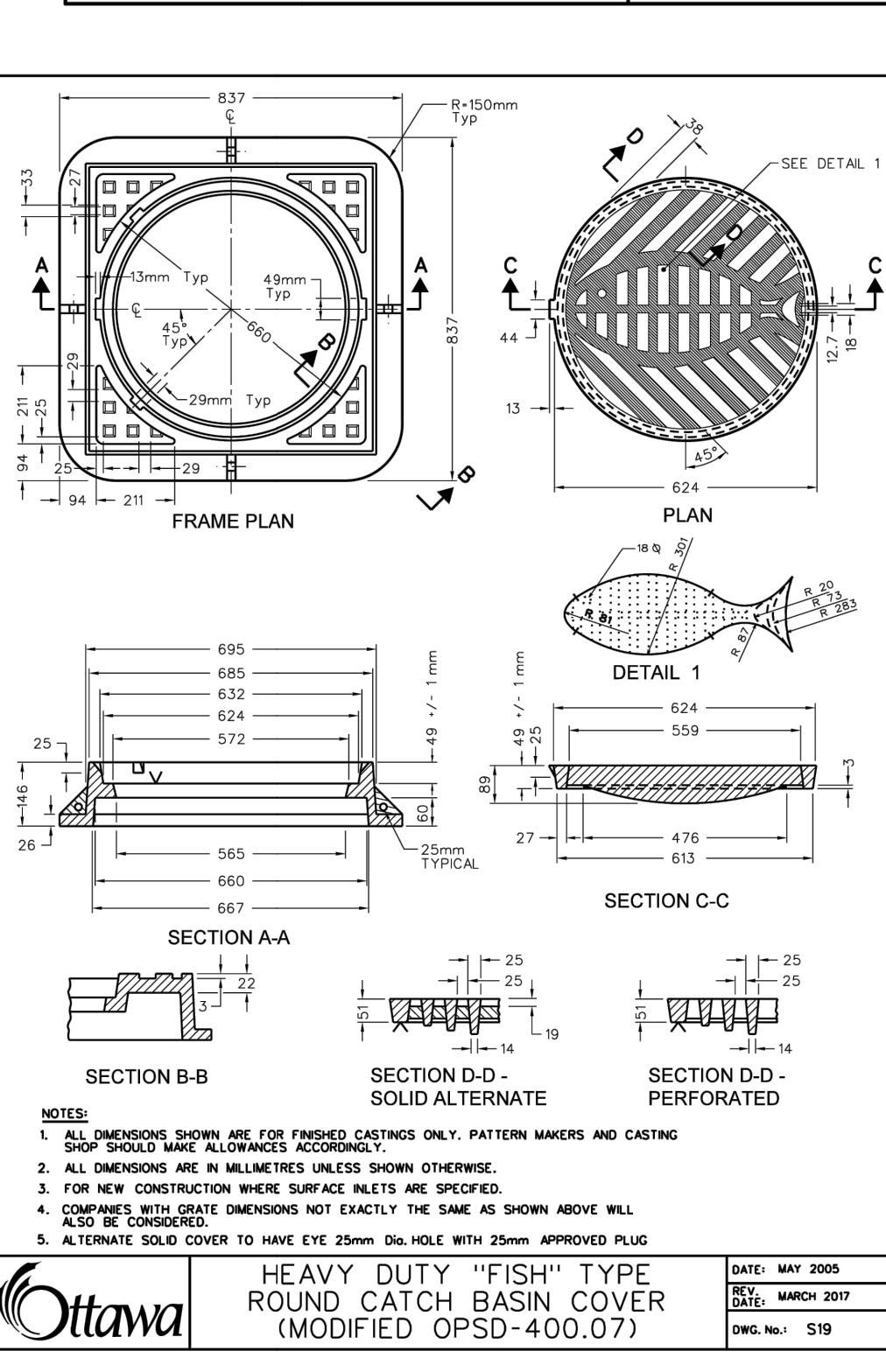
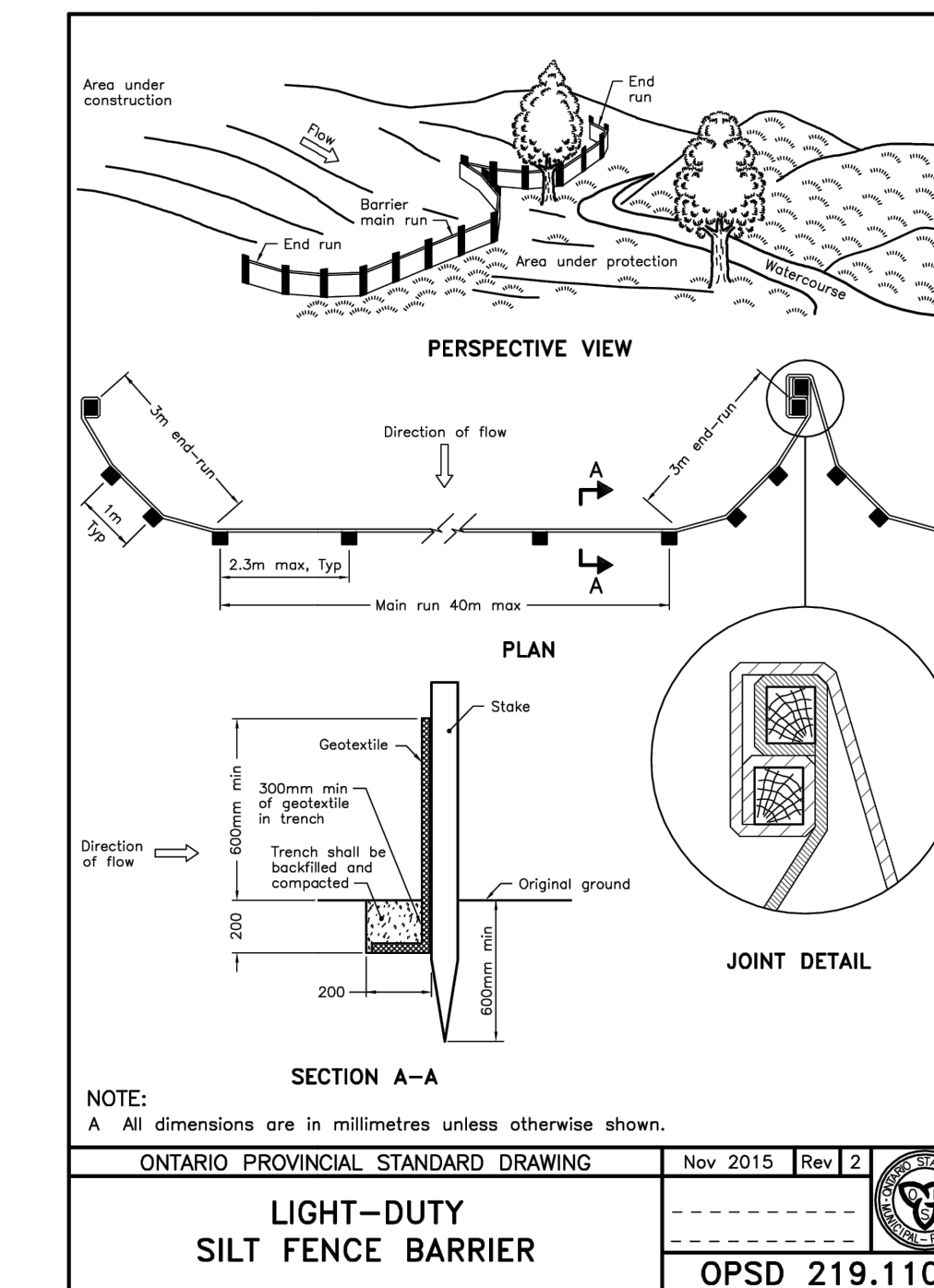
- NOTES:
- ALL DIMENSIONS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TIE OR WYE FITTINGS.
  - SANITARY SERVICES TO BE 150mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE.
  - APPROVED SETTLEMENT JOINTS OPTIONAL FOR SERVICE CONNECTIONS TO MAIN SEWERS UP TO 5m DEEP WHERE APPROVED CONNECTIONS TO SEWERS OVER 5m DEEP REQUIRE APPROVED CONTROLLED SETTLEMENT JOINTS.
  - CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

|                 |                                                                                        |                  |
|-----------------|----------------------------------------------------------------------------------------|------------------|
| <b>Ottawa</b>   | TITLE: SEWER SERVICE CONNECTIONS FOR FLEXIBLE MAIN SEWER PIPE (MODIFIED OPSD-1006.020) | DATE: MARCH 2006 |
| REV. MARCH 2013 | DWG No.: S11.1                                                                         |                  |

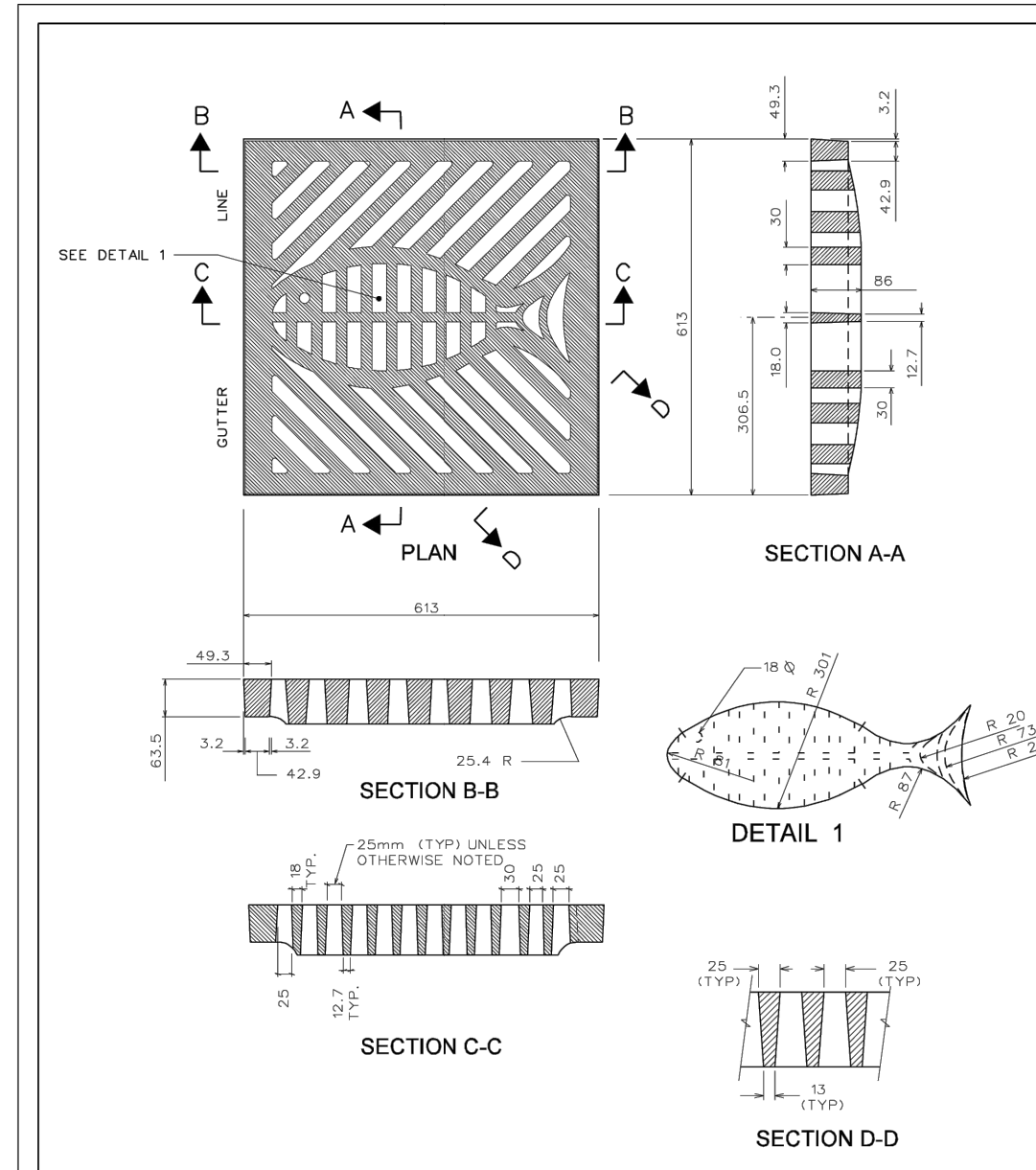


- NOTES:
- SANITARY VALVE, CLEANOUTS AND ANY OTHER FITTINGS MUST BE INSTALLED A MINIMUM OF 300mm INSIDE OF THE BASEMENT FOOTING. THIS IS TO ENSURE THERE IS SUFFICIENT ROOM TO REPLACE THESE COMPONENTS IN THE FUTURE WITHOUT HAVING TO DAMAGE THE FOOTING/WALL DURING THE PROCESS.
  - JOINTS BETWEEN CLEANOUT AND THE BACKWATER VALVE AND THE FLOOR SLAB SHALL BE SEALED.

|               |                                                     |                  |
|---------------|-----------------------------------------------------|------------------|
| <b>Ottawa</b> | TITLE: SANITARY BACKWATER VALVE INSTALLATION TYPE 2 | DATE: MARCH 2011 |
| REV. DATE     | DWG No.: S14.2                                      |                  |

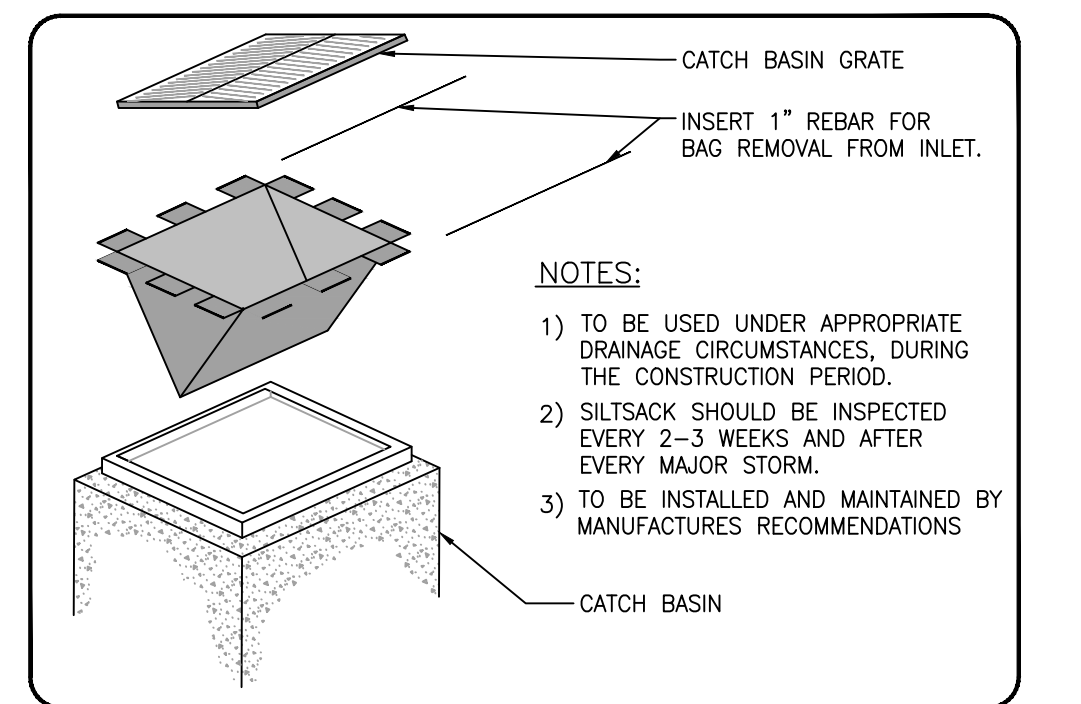


|               |                                                       |                |
|---------------|-------------------------------------------------------|----------------|
| <b>Ottawa</b> | TITLE: STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE | DATE: MAY 2001 |
| REV. MAR 2023 | DWG No.: R10                                          |                |



- NOTES:
- ALL DIMENSIONS SHOWN ARE FOR FINISHED CASTINGS ONLY. PATTERN MAKERS AND CASTING SHOP SHOULD MAKE ALLOWANCES ACCORDINGLY.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
  - IT IS ESSENTIAL THAT THE COVER BE INSTALLED IN THE DIRECTION OF THE GUTTER LINE AS SHOWN.
  - THE FRAME FOR THIS COVER SHALL BE AS PER OPSD 400.02 WITHOUT THE HINGE SLOT.
  - NOT FOR NEW CONSTRUCTION AFTER 31 DEC. 05. FOR REPLACEMENT OF BROKEN EXISTING ONLY.

|               |                                                        |                  |
|---------------|--------------------------------------------------------|------------------|
| <b>Ottawa</b> | TITLE: HEAVY DUTY "FISH" TYPE SQUARE CATCH BASIN COVER | DATE: MARCH 2000 |
| REV. DATE     | DWG No.: S19.1                                         |                  |



SCALE: 1:5