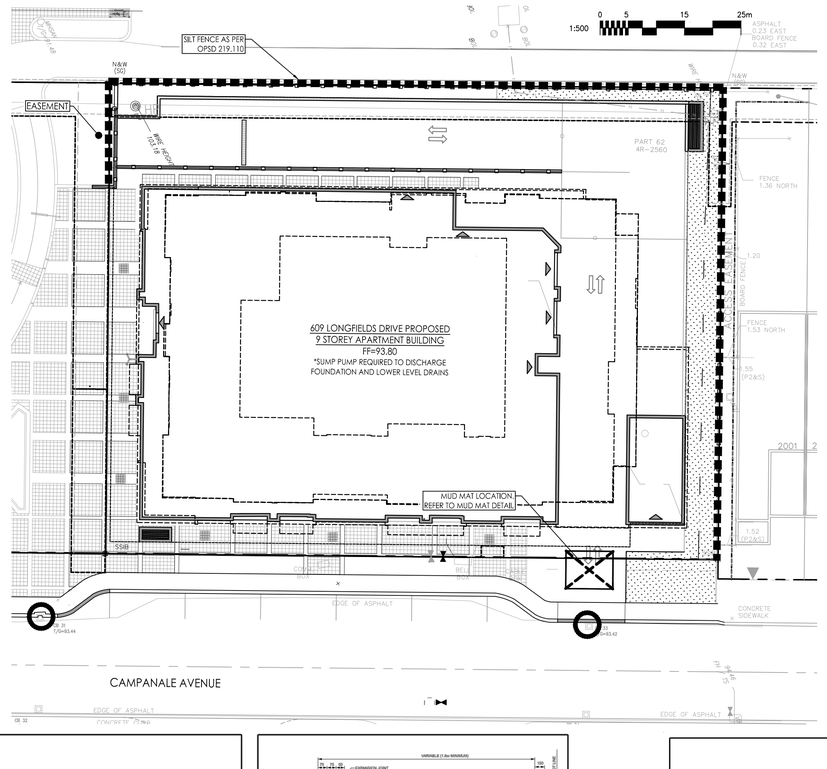
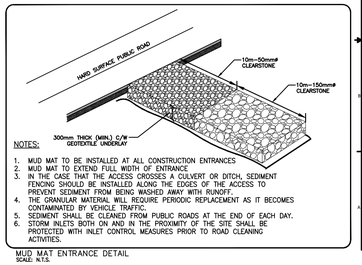




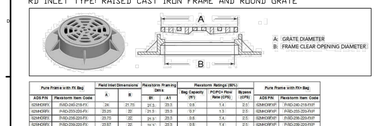
NOTES:

1. MUD MAT TO BE INSTALLED AT ALL CONSTRUCTION ENTRANCES
2. MUD MAT TO EXTEND FULL WIDTH OF ENTRANCE
3. IN THE CASE THAT THE ACCESS CROSSES A CULVERT OR DITCH, SEDIMENT FENCING SHOULD BE INSTALLED ALONG THE EDGES OF THE ACCESS TO PREVENT SEDIMENT FROM BEING WASHED AWAY WITH RUNOFF.
4. THE GRANULAR MATERIAL WILL REQUIRE PERIODIC REPLACEMENT AS IT BECOMES CONTAMINATED BY VEHICLE TRAFFIC.
5. SEDIMENT SHALL BE CLEANED FROM PUBLIC ROADS AT THE END OF EACH DAY.
6. STORM INLETS BOTH ON AND IN THE PROXIMITY OF THE SITE SHALL BE PROTECTED WITH INLET CONTROL MEASURES PRIOR TO ROAD CLEANING ACTIVITIES.

MUD MAT ENTRANCE DETAIL
SCALE: N.T.S.

FLEXSTORM P/Ns 62MHDRFX & 62MHDRFXP

RD INLET TYPE: RAISED CAST IRON FRAME AND ROUND GRATE



Pure Frame c/with Fit Bag		Panel Inset Dimensions		Flexstorm Filtering (Min.)		Flexstorm Ratings (Min.)				Pure Frame c/with Fitr Bag	
ADS P/N	Flexstorm Item Code	L	B	80	A1	Reg Capacity (#1)	P/C/P/O Flow Rate (LPM)	Bypass (LPM)		ADS P/N	Flexstorm Item Code
12MHDRF	FHD-062-218-F/L	26.	21.75	21.3.	29.0	0.8.	1.4.	2.0		12MHDRFXP	FHD-062-218-F/XP
12MHDRF	FHD-062-224-F/L	26.00	22	21.3	29.0	0.8	1.4	2.0		12MHDRFXP	FHD-062-224-F/XP
12MHDRF	FHD-062-230-F/L	25.67	22	21.3	29.0	0.8	1.4	2.0		12MHDRFXP	FHD-062-230-F/XP
12MHDRF	FHD-062-235-F/L	25.67	22.25	21.3	29.0	0.8	1.4	2.0		12MHDRFXP	FHD-062-235-F/XP
12MHDRF	FHD-062-237-F/L	26.	22	21.3	29.0	0.8	1.4	2.0		12MHDRFXP	FHD-062-237-F/XP
12MHDRF	FHD-062-251-F/L	23.75	22.125	21.0	28.5	0.8	1.4	2.0		12MHDRFXP	FHD-062-251-F/XP
12MHDRF	FHD-062-253-F/L	22.75	22.25	20.5	28.0	0.7	1.3	2.0		12MHDRFXP	FHD-062-253-F/XP
12MHDRF	FHD-062-255-F/L	23.75	22.25	21.0	28.5	0.8	1.4	2.0		12MHDRFXP	FHD-062-255-F/XP
12MHDRF	FHD-062-257-F/L	24.	22.25	21.3	29.0	0.8	1.4	2.0		12MHDRFXP	FHD-062-257-F/XP
12MHDRF	FHD-062-264-F/L	23.67	22.125	21.0	28.5	0.8	1.4	2.0		12MHDRFXP	FHD-062-264-F/XP
12MHDRF	FHD-062-274-F/L	23.67	22.125	21.0	28.5	0.8	1.4	2.0		12MHDRFXP	FHD-062-274-F/XP
12MHDRF	FHD-062-275-F/L	23.75	22.5	21.0	28.5	0.8	1.4	2.0		12MHDRFXP	FHD-062-275-F/XP
12MHDRF	FHD-062-277-F/L	24.	22.5	21.3	29.0	0.8	1.4	2.0		12MHDRFXP	FHD-062-277-F/XP
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12MHDRF	FHD-062-298-F/L	23.75	23	21.0	28.5	0.8	1.4	2.0		12MHDRFXP	FHD-062-298-F/XP
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12MHDRF	FHD-062-468-F/L	26.75	24.	23.5	30.5	1.0	1.5	2.1		12MHDRFXP	FHD-062-468-F/XP
12MHDRF	FHD-062-541-F/L	26.	24.5	23.5	30.5	1.0	1.5	2.1		12MHDRFXP	FHD-062-541-F/XP
12MHDRF	FHD-063-541-F/L	26.25	24.5	23.5	30.5	1.0.	1.5.	2.1		12MHDRFXP	FHD-063-541-F/XP
12MHDRF	FHD-063-547-F/L	25.75	24.625	23.5	30.5	0.9	1.5	2.1		12MHDRFXP	FHD-063-547-F/XP
12MHDRF	FHD-063-549-F/L	25.75	24.25	23.5.	30.5	0.9	1.5	2.1		12MHDRFXP	FHD-063-549-F/XP

NOTES:

1. RATINGS SHOWN ARE FOR STANDARD 22" BAG DEPTH; "SHORT" 12" DEPTH BAGS ARE AVAILABLE WITH ~5 SURFTH; RATINGS REDUCED BY ~50%
2. THE FOLLOWING REQUIRES ADDITIONAL REVIEW
   - GRATES WITH EXTENDED BOTTOMS
   - ANY OBSTRUCTED INLET OPENINGS

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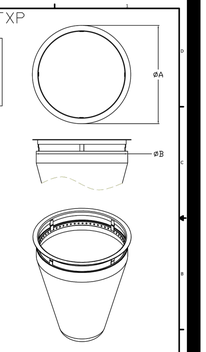
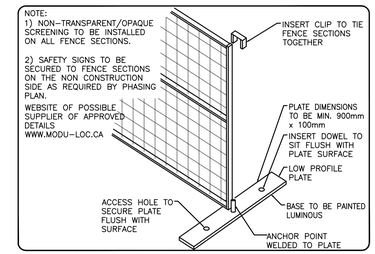
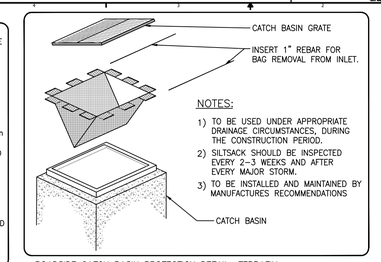
DESIGN	DRAWN	CHECKED	REV
C	HDR	RD-62MHDR-FX	A

SHEET 2 OF 2





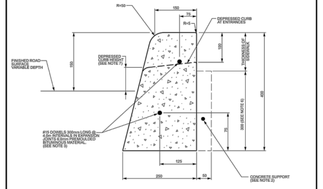
CONSTRUCTION FENCE DETAIL
SCALE: N.T.S.



NOTES:

1) TO BE USED UNDER APPROPRIATE DRAINAGE CIRCUMSTANCES, DURING THE CONSTRUCTION PERIOD.
2) SILTSACK SHOULD BE INSPECTED EVERY 2-3 WEEKS AND AFTER EVERY MAJOR STORM.
3) TO BE INSTALLED AND MAINTAINED BY MANUFACTURES RECOMMENDATIONS

ROADSIDE CATCH BASIN PROTECTION DETAIL: TERRAFIX SILTSACK
SCALE: N.T.S.



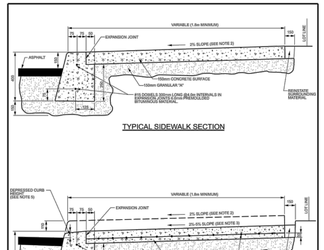
CONCRETE BARRIER CURB

NOTES:

1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION. AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT
6. FOR DEPRESSED CURB AT ENTRANCES USE 255.
7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 6 TO 6 mm AND FOR PRIVATE ENTRANCES 6 TO 15mm.

N.T.S.

Ottawa | CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110) | DATE: JANUARY 2003 | REV. DATE: MARCH 2021 | DWG. No.: SC1.1



TYPICAL SIDEWALK SECTION

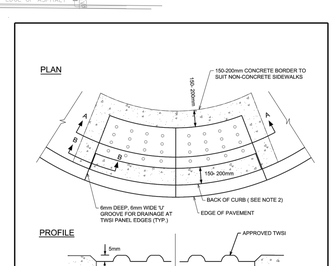
SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
3. FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%.
4. EXPANSION AND DUMMY JOINTS AS PER SC5.
5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 6 TO 6 mm AND FOR PRIVATE ENTRANCES 6 TO 15mm.

N.T.S.

Ottawa | CONCRETE BARRIER CURB WITH SIDEWALK | DATE: JANUARY 2003 | REV. DATE: MARCH 2021 | DWG. No.: SC1.4

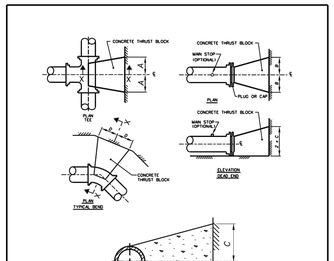


NOTES:

1. TOPS OF TWSIS (TACTILE WALKING SURFACE INDICATOR) SHALL BE ALIGNED & LEVEL WITH THE ADJACENT CONCRETE SURFACE & INSTALLATION IN WET CONCRETE SHALL BE EFFECTIVE IN PERMANENTLY SECURING THE TWSI IN PLACE ONCE DRY.
2. FOR MONOLITHIC SIDEWALKS, TWSI SHALL BE 300 TO 350mm BACK FROM THE CURB FACE.

N.T.S.

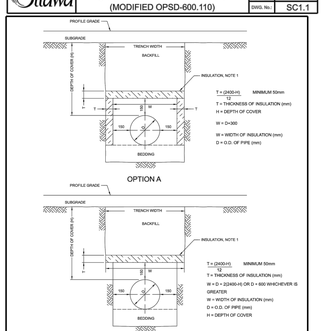
Ottawa | TWSI DETAIL | DATE: MARCH 2019 | REV. DATE: MARCH 2021 | DWG. No.: SC7.3



NOTES:

1. CONCRETE SHALL BE PLACED TO WITHIN 50mm OF FACE OF THE BELL.
2. BOND breaker TO BE USED BETWEEN CONCRETE AND FITTINGS.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
4. REFER TO W25.4 FOR ADDITIONAL REQUIREMENTS.
5. THRUST BLOCKS SHALL BE 30 MPa CONCRETE AND AS SHOWN ON ABOVE DRAWINGS UNLESS OTHERWISE DIRECTED BY THE CONTRACT ADMINISTRATOR. THE BLOCK SHALL BE CENTERED ON THE THRUST FORCE AND SHALL ALSO PARTIALLY CONCEAL THE FITTING TO DISTRIBUTE THE FORCE. THE SIDES OF THE BLOCK SHALL BE 85mm FROM THE JOINT ON EITHER SIDE OF THE BEND OR TEE.
6. THE CONCRETE WHERE POSSIBLE SHALL BE PLACED AGAINST UNDISTURBED SOIL AT THE BOTTOM AND SIDE OF THE TRENCH. WHERE IT IS IMPOSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND THE UNDISTURBED SOIL MUST BE COMPACTED IN ACCORDANCE WITH D-025.
7. EXCEPT FOR THE ADDITION OF WATER, CONCRETE FOR THRUST BLOCKS SHALL COME PROVIDED FROM CONCRETE SUPPLIER. AN "READY MIX" FORM A CONCRETE TRUCK ON SITE WHERE OF CEMENT, SAND AND AGGREGATE ETC. BY THE CONTRACTOR FOR THE PURPOSE OF MAKING CONCRETE THRUST BLOCKS/ ANCHORS WILL NOT BE ACCEPTED.

Ottawa | CONCRETE THRUST BLOCKS FOR PVC AND DI PIPE 400mm AND UNDER | DATE: MAY 2001 | REV. DATE: MARCH 2016 | DWG. No.: W25.3

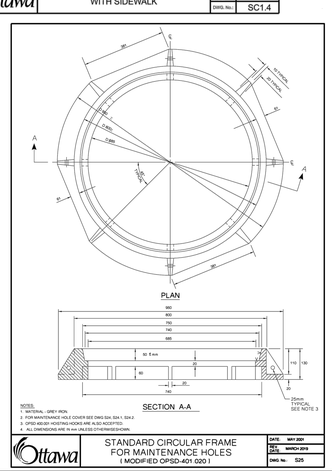


TYPICAL PIPE INSULATION DETAIL

NOTES:

1. THE INSULATION MATERIAL SHALL BE EXTRUDED POLYSTYRENE ACCORDING TO MH-18.15 WITH A MINIMUM COMPRESSIVE STRENGTH OF 275 KPA.
2. MINIMUM INSULATION THICKNESS SHALL BE 50MM.
3. JOINTS SHALL BE STAGGERED FOR MULTIPLE INSULATION SHEETS.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

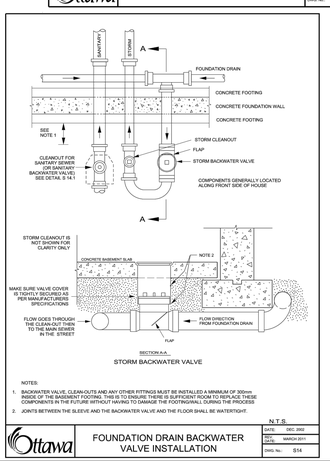
Ottawa | INSULATION FOR SHALLOW SEWERS | DATE: MARCH 2003 | REV. DATE: — | DWG. No.: S30



NOTES:

1. MATERIAL - GREY IRON.
2. FOR MAINTENANCE HOLE COVER SEE DWG S24, S24.1, S24.2
3. OPSD 401.01 HOISTING HOOKS ARE ALSO ACCEPTED.
4. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SHOWN.

Ottawa | STANDARD CIRCULAR FRAME FOR MAINTENANCE HOLES (MODIFIED OPSD-401.020) | DATE: MAY 2001 | REV. DATE: MARCH 2010 | DWG. No.: S25



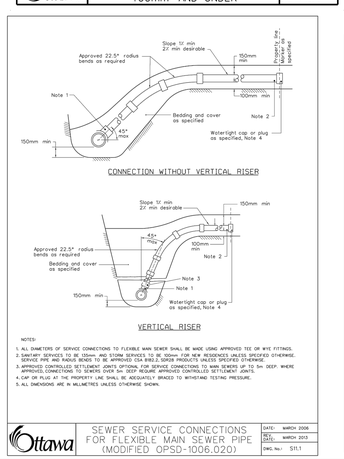
STORM BACKWATER VALVE

NOTES:

1. BACKWATER VALVE, CLEAN-OUTS 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 FOOTINGWALL DURING THE PROCESS
2. JOINTS BETWEEN THE SLEEVE AND THE BACKWATER VALVE AND THE FLOOR SHALL BE WATERTIGHT.

N.T.S.

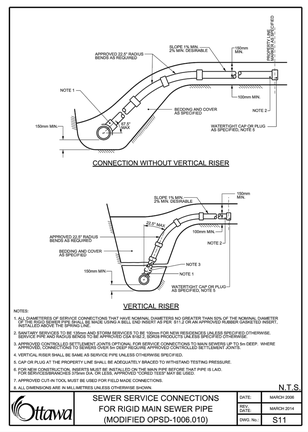
Ottawa | FOUNDATION DRAIN BACKWATER VALVE INSTALLATION | DATE: DEC. 2002 | REV. DATE: MARCH 2011 | DWG. No.: S14



NOTES:

1. ALL DIAMETERS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TEE OR WYE FITTINGS.
2. SANITARY SERVICES TO BE 150mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE. SERVICE WYE AND RISER SHALL BE INSTALLED AT THE SAME TIME AS THE MAIN SEWER UNLESS SPECIFIED OTHERWISE.
3. APPROVED CONTROLLED 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.
4. CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

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



NOTES:

1. ALL DIAMETERS OF SERVICE CONNECTIONS THAT HAVE NOMINAL DIAMETERS NO GREATER THAN 50% OF THE NOMINAL DIAMETER OF THE MAIN SEWER SHALL BE MADE USING A BELL END INSERT AS PER 311.2 OR AN APPROVED RUBBER GASKETED INSERT, INSTALLED AGAINST THE SPRINGLINE.
2. SANITARY SERVICES TO BE 150mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE. SERVICE WYE AND RISER SHALL BE INSTALLED AT THE SAME TIME AS THE MAIN SEWER UNLESS SPECIFIED OTHERWISE.
3. APPROVED CONTROLLED 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.
4. VERTICAL RISER SHALL BE SAME AS SERVICE PIPE UNLESS OTHERWISE SPECIFIED.
5. CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
6. FOR NEW CONSTRUCTION, INSERTS MUST BE INSTALLED ON THE MAIN PIPE BEFORE THAT PIPE IS LAID. FOR EXISTING CONSTRUCTION, INSERTS MUST BE INSTALLED USING A TAPPING SADDLE OR SERVICE.
7. APPROVED CUT-IN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.
8. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

N.T.S.

Ottawa | SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010) | DATE: MARCH 2006 | REV. DATE: MARCH 2014 | DWG. No.: S11

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Legend

- PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110
- PROPOSED CATCH BASIN PROTECTION AS PER TERRAFIX SILTSACK DETAIL
- PROPOSED MUD MAT LOCATION
- PROPOSED VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED WATTS FD-530 (OR EQUIVALENT) TO BE CONNECTED TO INTERNAL STORM SEWER PLUMBING.

Revision	By	Appd.	YY.MM.DD
1 ISSUED FOR CITY REVIEW	JP	DT	24.07.15

File Name: 160401885-D8.dwg	JP Dwn.	SGG/MW Chkd.	JP Dsgn.	24.07.10 YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2024-07-18
PROVINCE OF ONTARIO

Client/Project
CAMPANALE HOMES

609 LONGFIELDS DRIVE
BLOCK 10
Ottawa, ON

Title
EROSION CONTROL AND DETAILS SHEET

Project No.	Scale	
160401885	AS SHOWN	
Drawing No.	**Sheet**	**Revision**
ECDS-1	5 of 7	1

D07-XX-XX-XXXX

DWG# XXXXX

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