

1Door4Care - CHEO Integrated Treatment Centre: 1Door4Care

ISSUED FOR SITE PLAN CONTROL
2024-08-23

VOLUME 2 - CIVIL

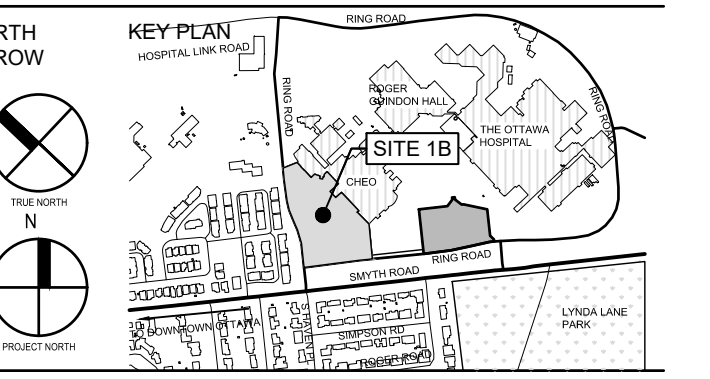




1Door4Care



RITCHENER OFFICE
875 Queen Street South, Suite 111, Kitchener, Ontario N2M 1A1
T: 519.576.2100 F: 519.576.5499 walterfeddy.com



SHEET LIST - CIVIL	
Sheet Number	Sheet Title
C0006	SHEET LIST
C0007	TYPICAL DETAILS AND NOTES PLAN
C0008	TYPICAL DETAILS AND NOTES PLAN
C0009	TYPICAL DETAILS AND NOTES PLAN
C1501	EXISTING CONDITIONS AND REMOVALS PLAN
C1101	PROPOSED GRADING PLAN
C1201	PROPOSED SERVICING PLAN
C1202	PROPOSED BUILDING SUBDRAIN PLAN
C1601	EROSION AND SEDIMENT CONTROL
C3101	TUNNEL SECTION AND PROFILE

#	DATE	REVISION
9	24/09/23	ISSUED FOR BUILDING PERMIT
8	24/09/23	ISSUED FOR SITE PLAN CONTROL
7	24/09/23	ISSUED FOR 50% CD SUBMISSION
6	24/09/23	ISSUED FOR 100% CD SUBMISSION R2
5	24/05/10	ISSUED FOR FOUNDATION PERMIT
4	24/04/19	ISSUED FOR 100% DD SUBMISSION
3	24/01/24	RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
2	23/12/20	ISSUED FOR BUILDING PERMIT (TUNNEL)
1	23/12/15	RE-ISSUED FOR 50% DD SUBMISSION
0	23/12/15	ISSUED FOR 50% DD SUBMISSION

REPRODUCTION OR
COPYING OF THIS DRAWING
WITHOUT THE WRITTEN
CONSENT OF WALTERFEDY
IS PROHIBITED.
ON THE JOB AND WITHOUT ANY
VARIATIONS REQUIRED, PLEASE
CONTACT YOUR DRAWING TO
OBTAIN THE LATEST
REVISIONS.

7070557
2024-08-22
PROVINCE OF ONTARIO

COPYRIGHT © 2023 WalterFedy

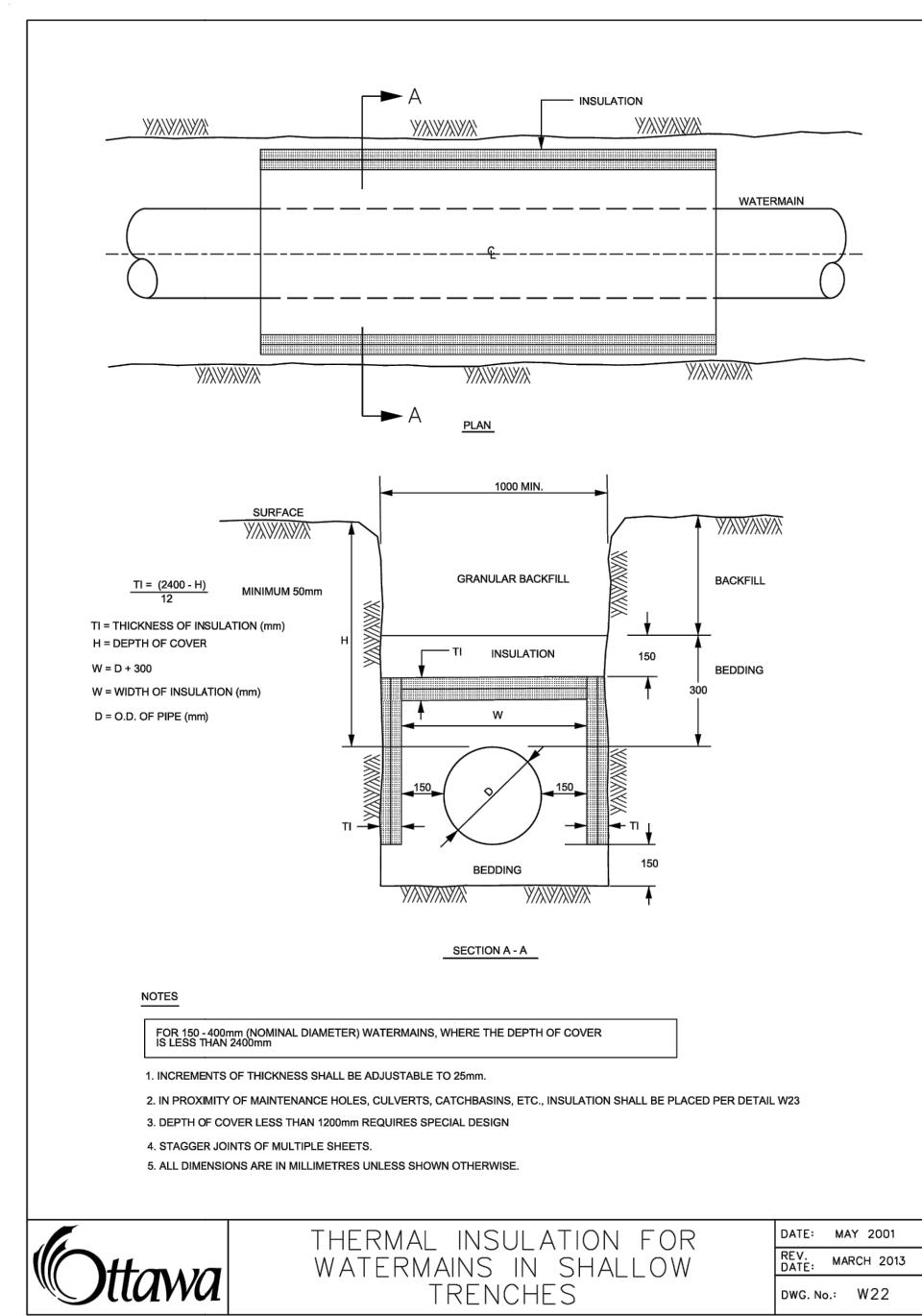
CLIENT
1DOOR4CARE: CHEO INTEGRATED
TREATMENT CENTRE: 1DOOR4CARE
401 SMYTH RD. OTTAWA, ON K1H8L1

TITLE
SHEET LIST

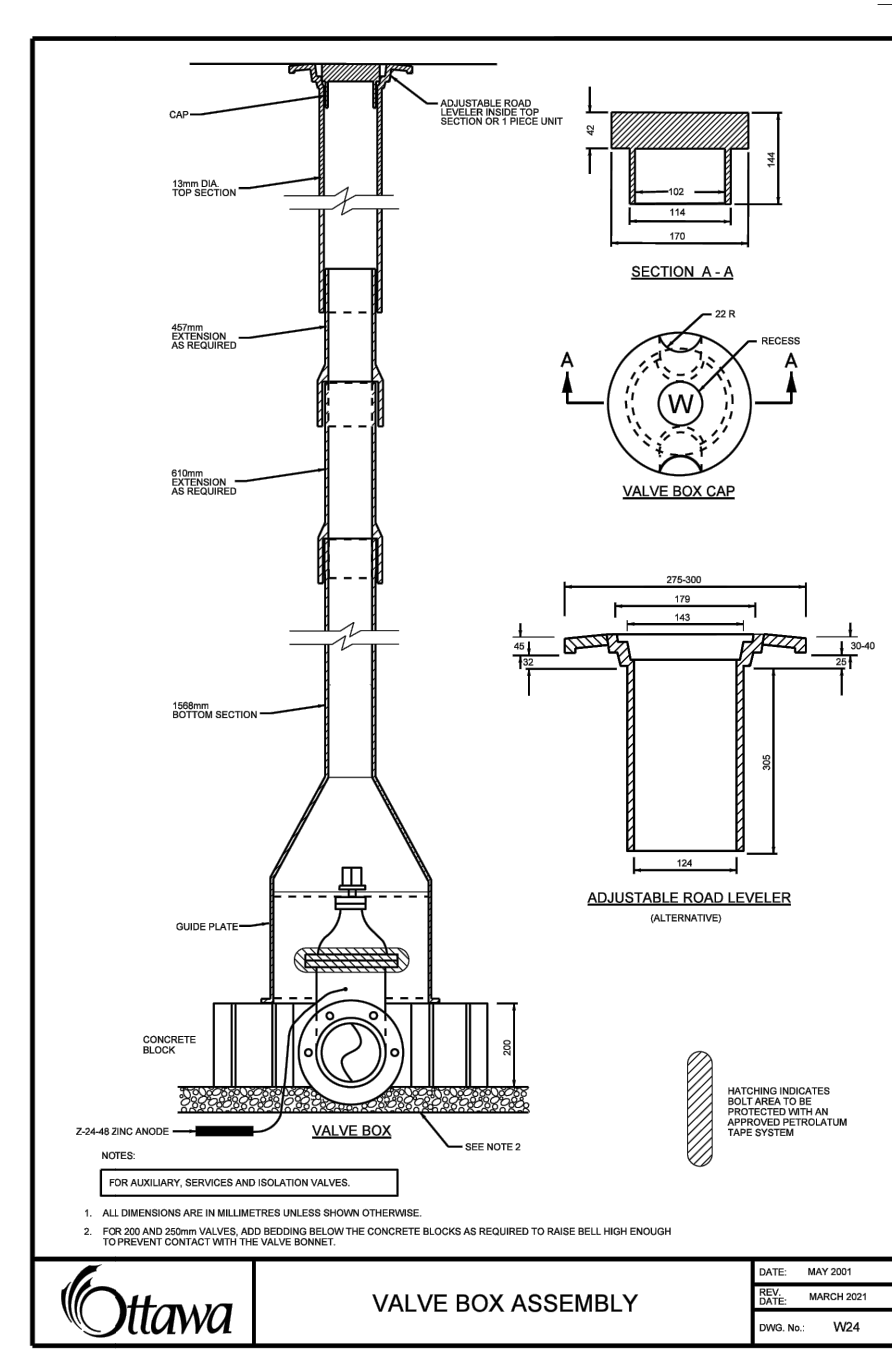
SCALE:
DRAWN BY: DL_ZS
CHECKED BY: SF
JOB NUMBER: 2021-0821-13
PLOT DATE: 2024 08 19
DRAWING NUMBER:

C0006

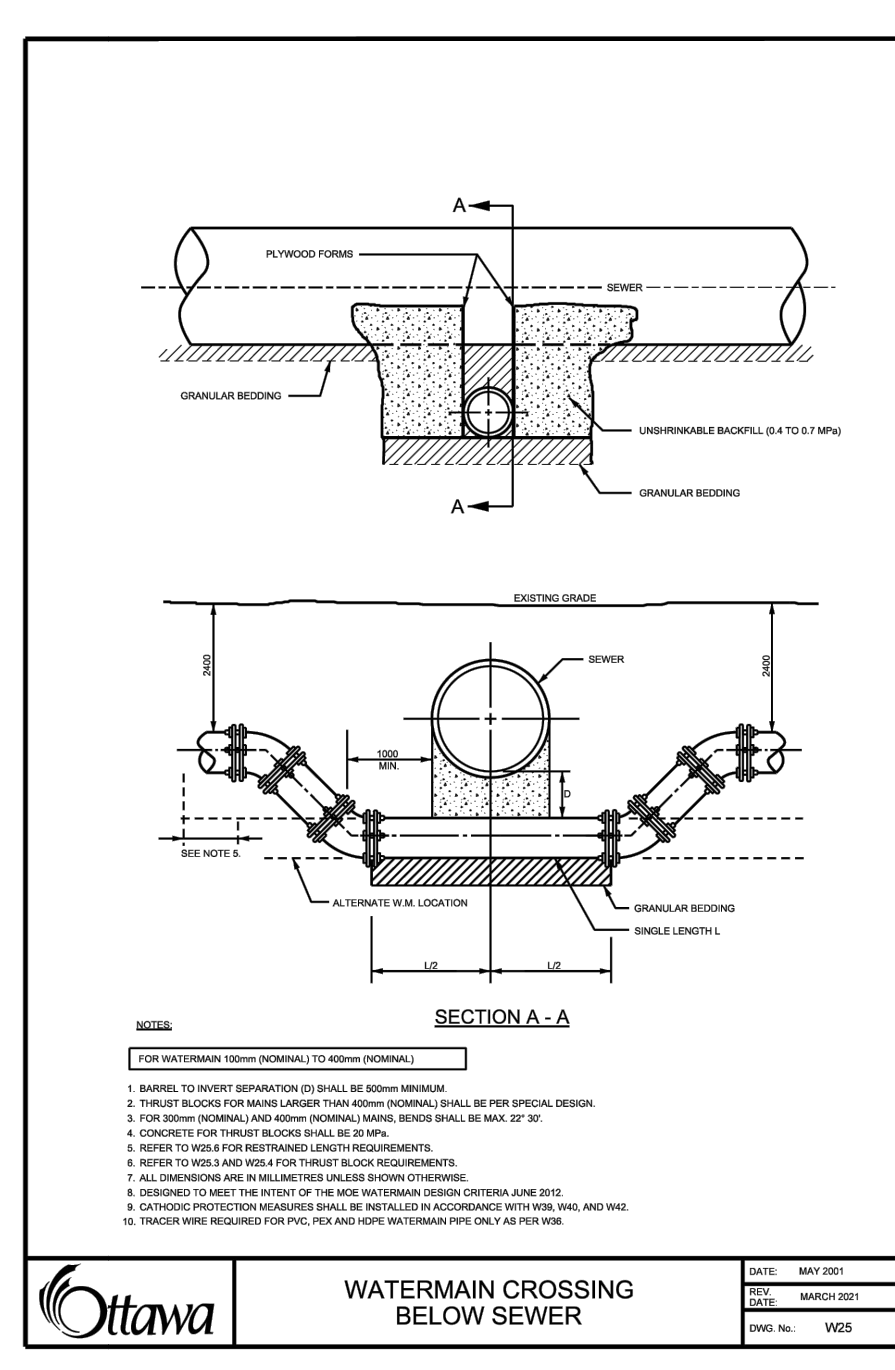
PLAN # 18912
DEVELOPMENT # D07-12-22-0170



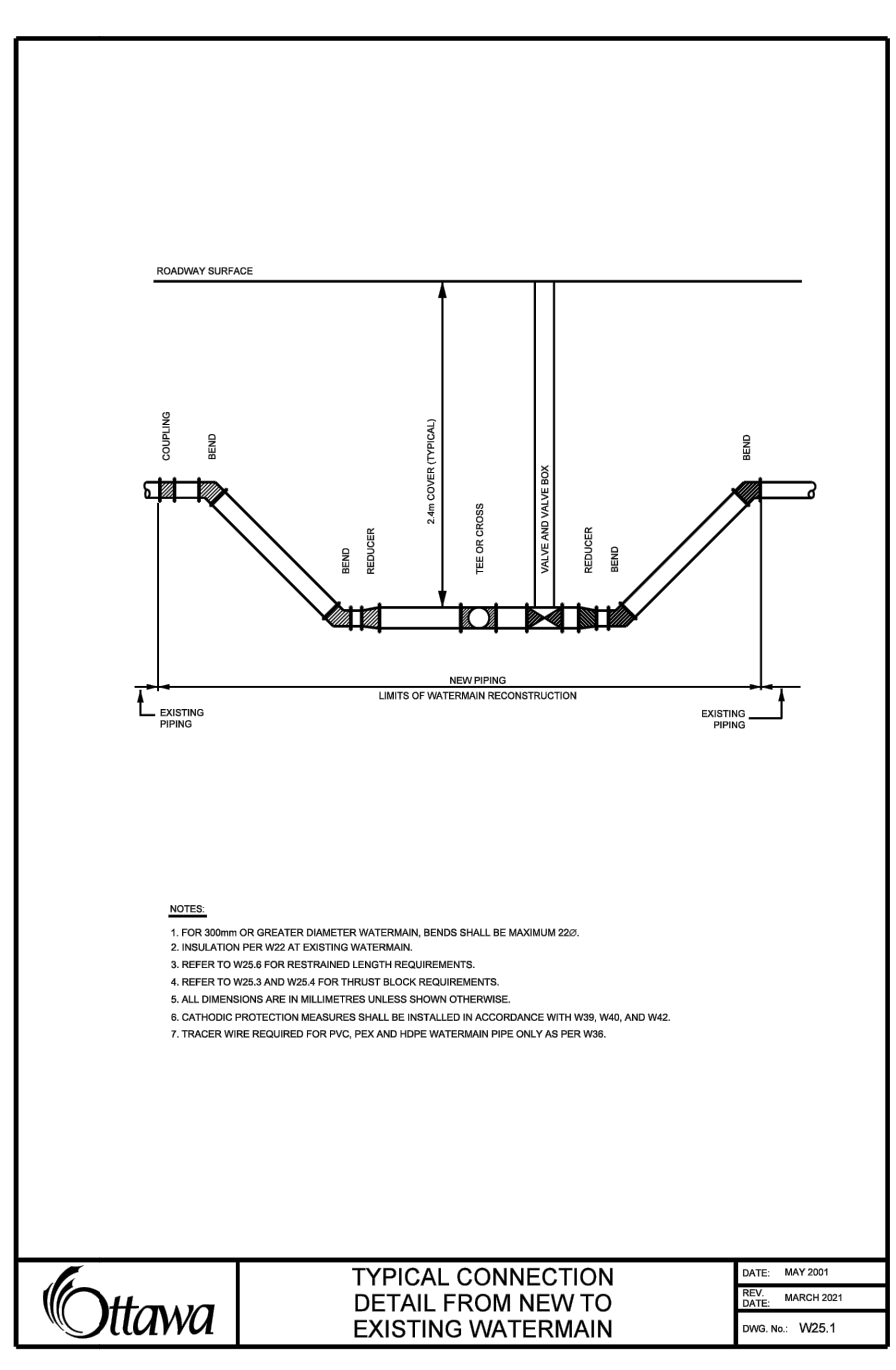
Ottawa THERMAL INSULATION FOR SHALLOW TRENCHES
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



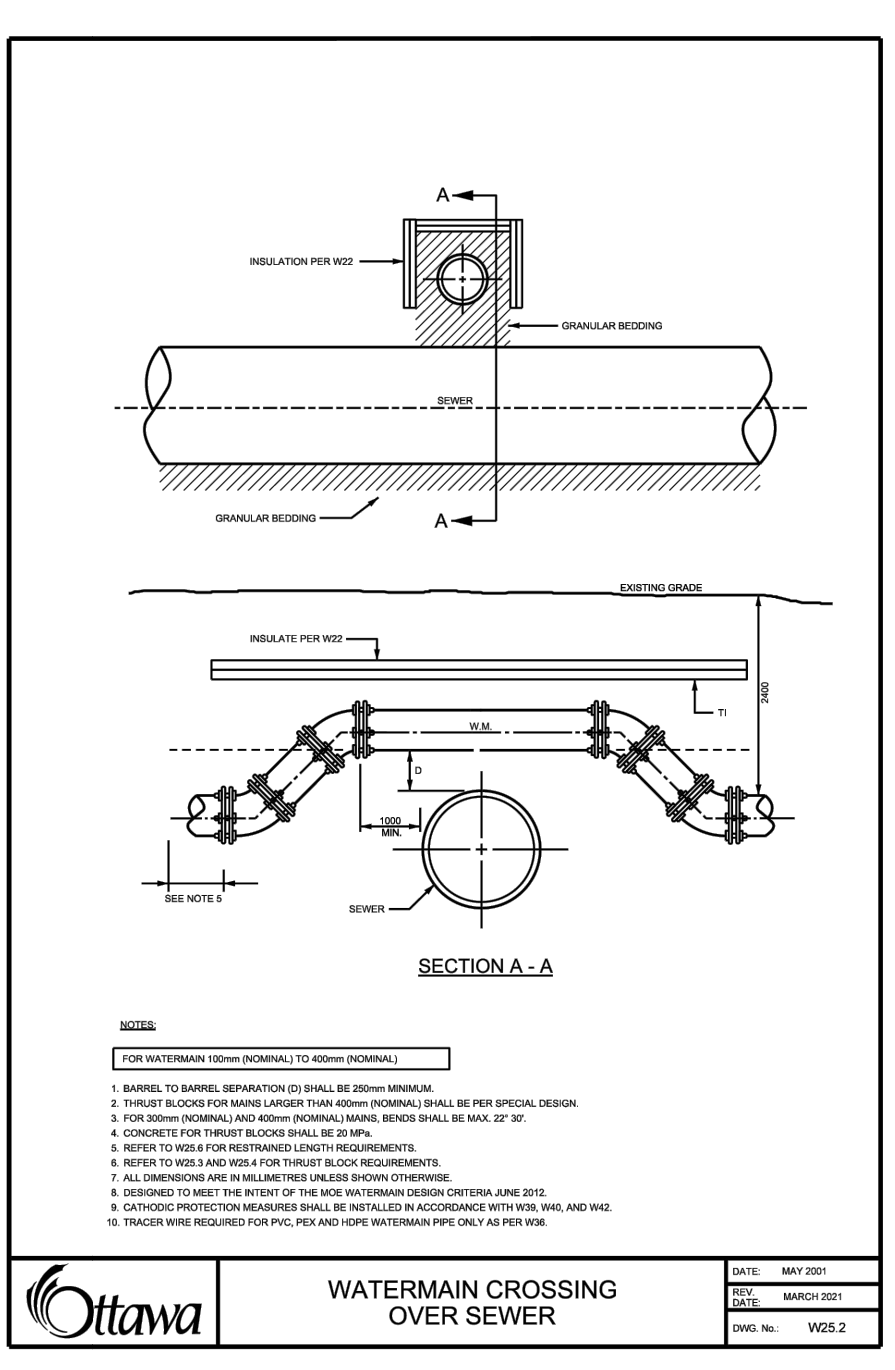
Ottawa VALVE BOX ASSEMBLY
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



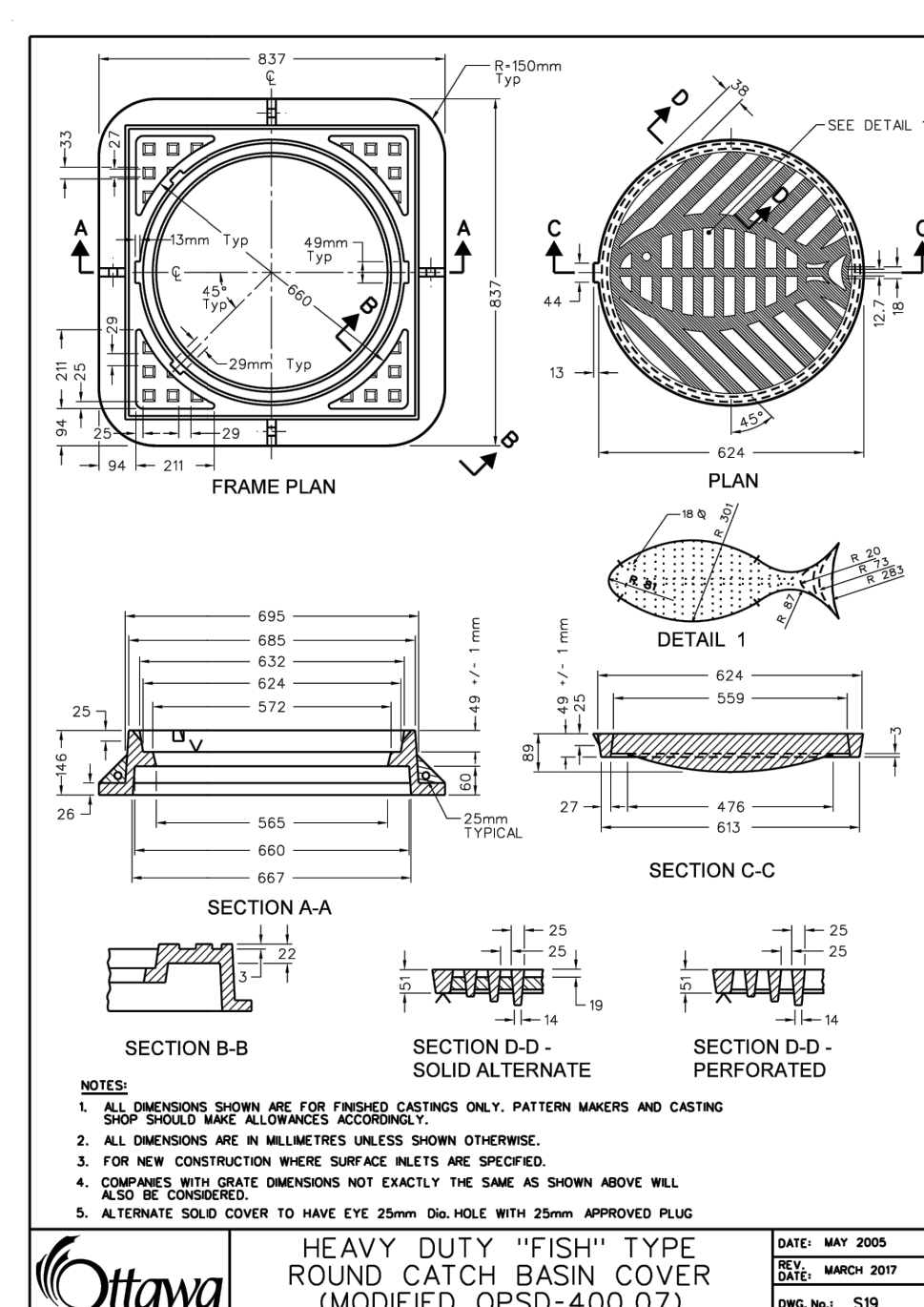
Ottawa WATERMAIN CROSSING BELOW SEWER
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



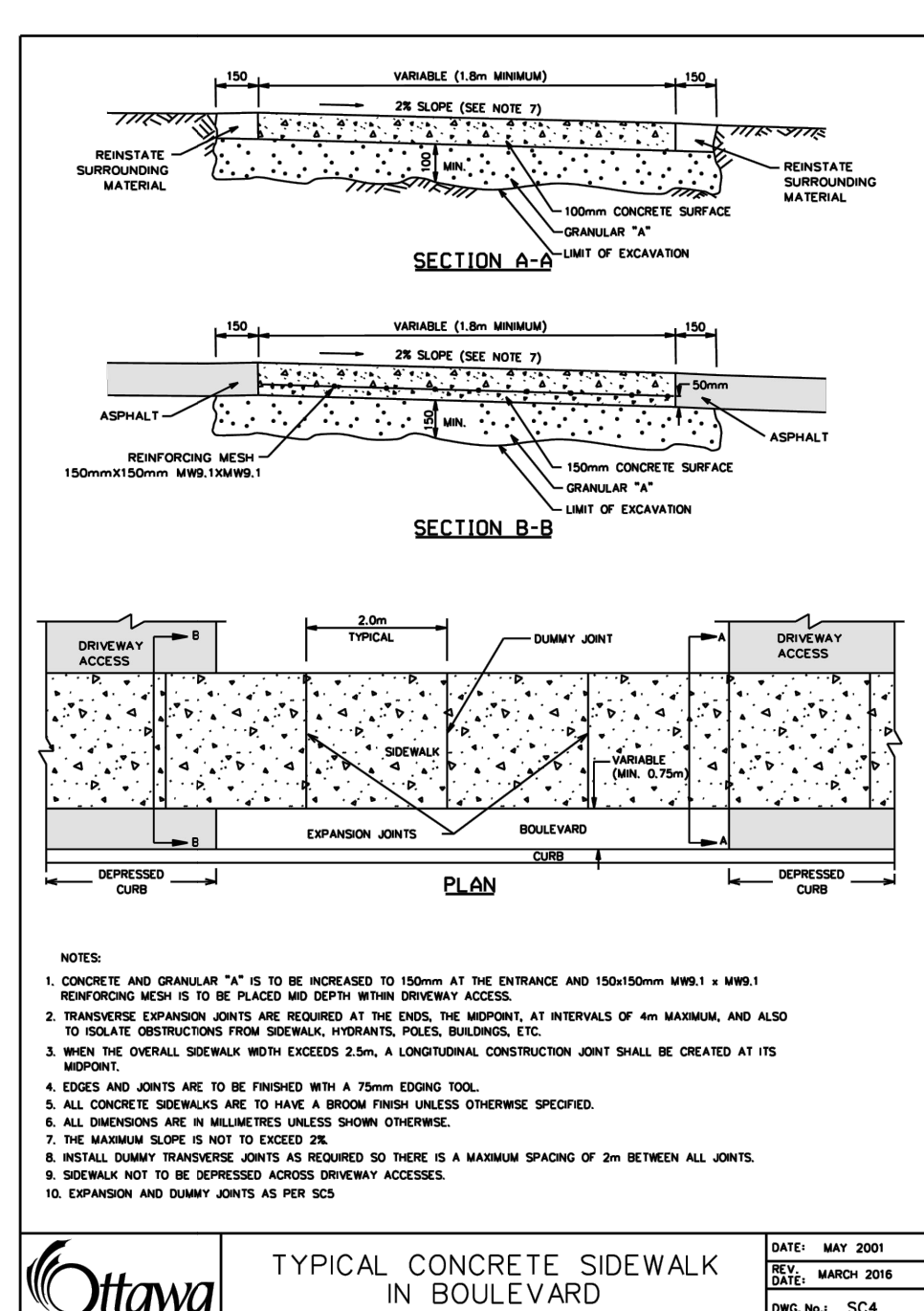
Ottawa TYPICAL CONNECTION DETAIL FROM NEW TO EXISTING WATERMAIN
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



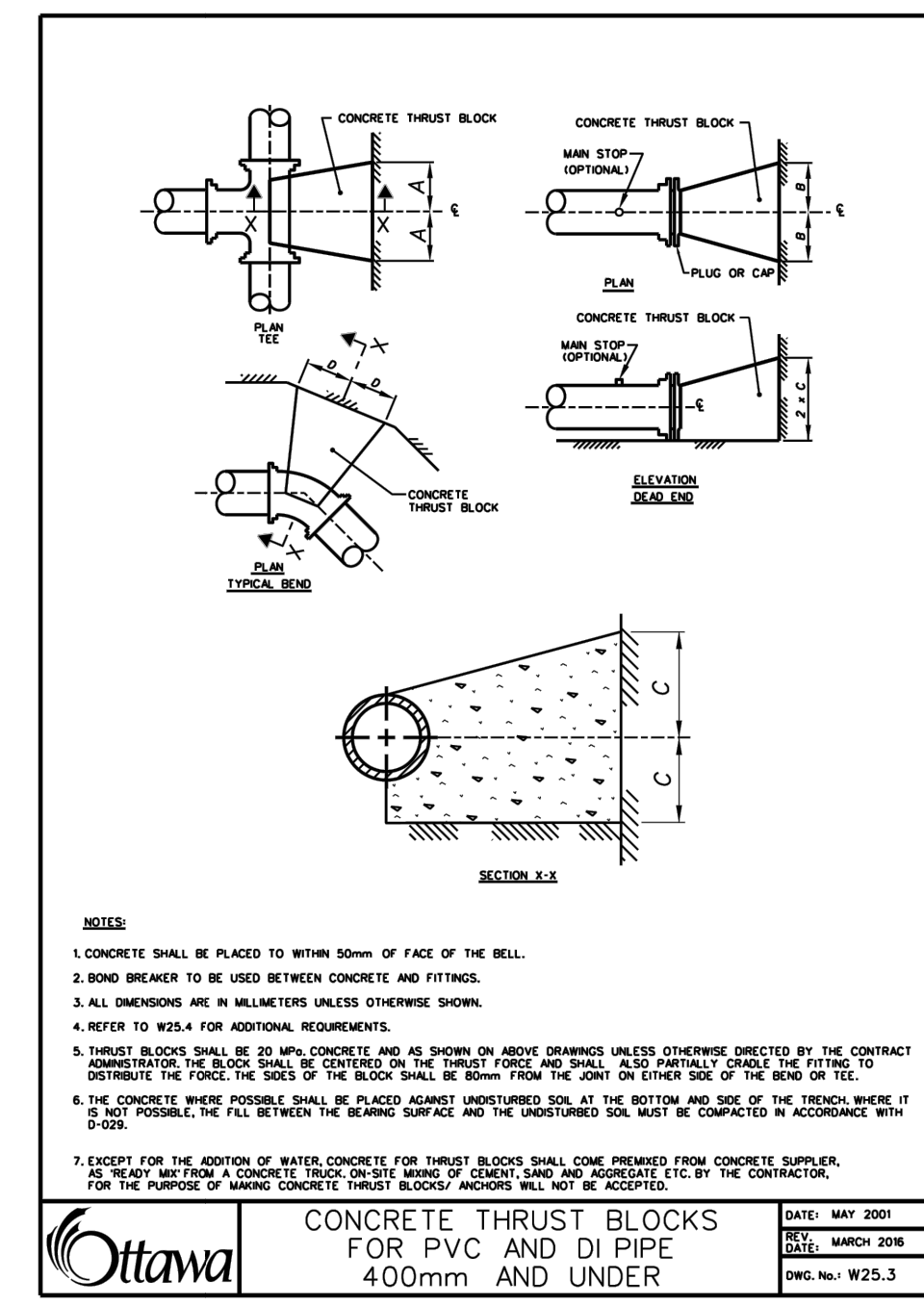
Ottawa WATERMAIN CROSSING OVER SEWER
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



Ottawa HEAVY DUTY 'FISH' TYPE ROUND CATCH BASIN COVER (MODIFIED OPSD-400.07)
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



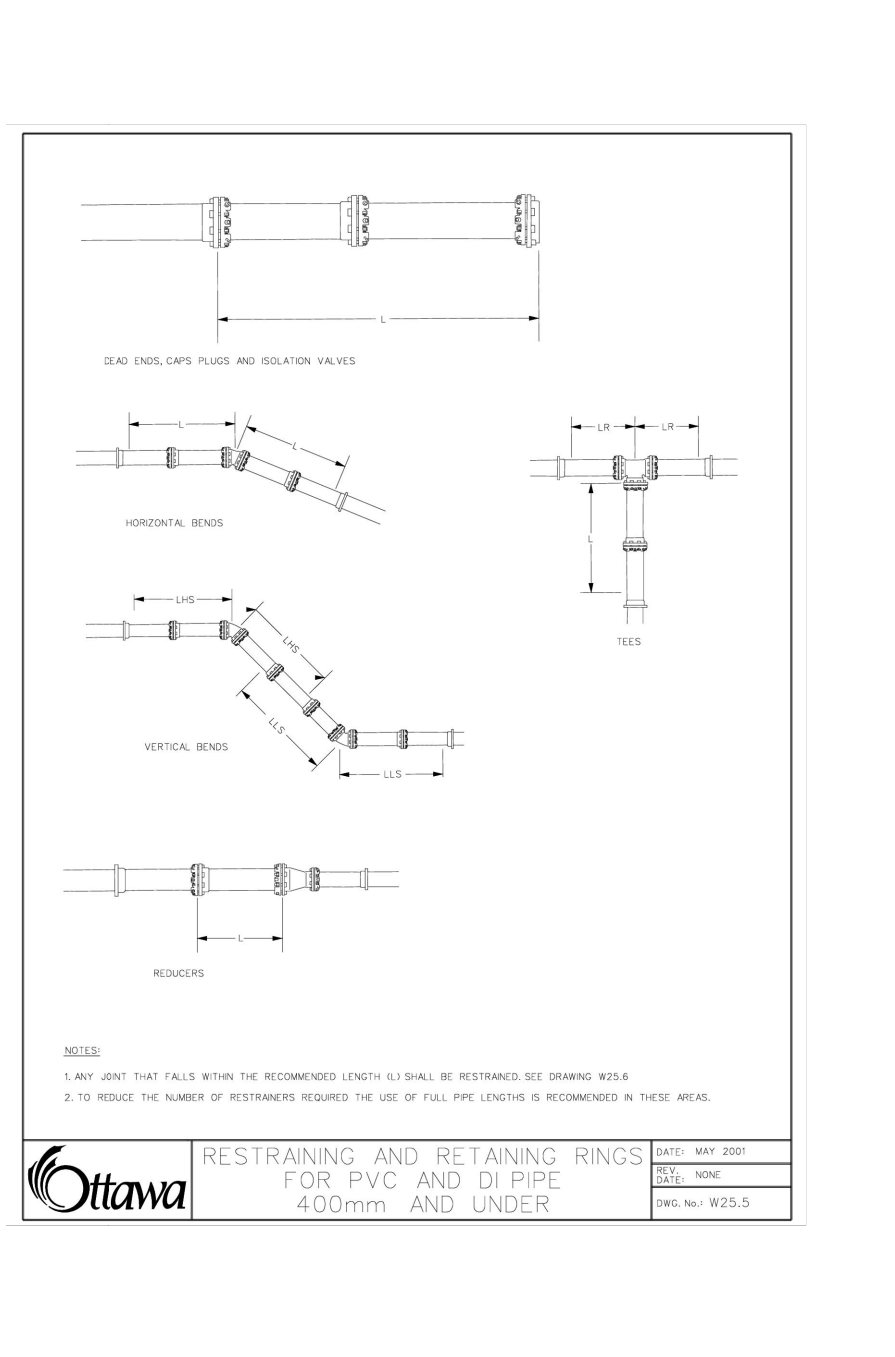
Ottawa TYPICAL CONCRETE SIDEWALK ON BOULEVARD
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



Ottawa CONCRETE THRUST BLOCKS FOR PVC AND DI PIPE 400mm AND UNDER
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"

Ottawa THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER

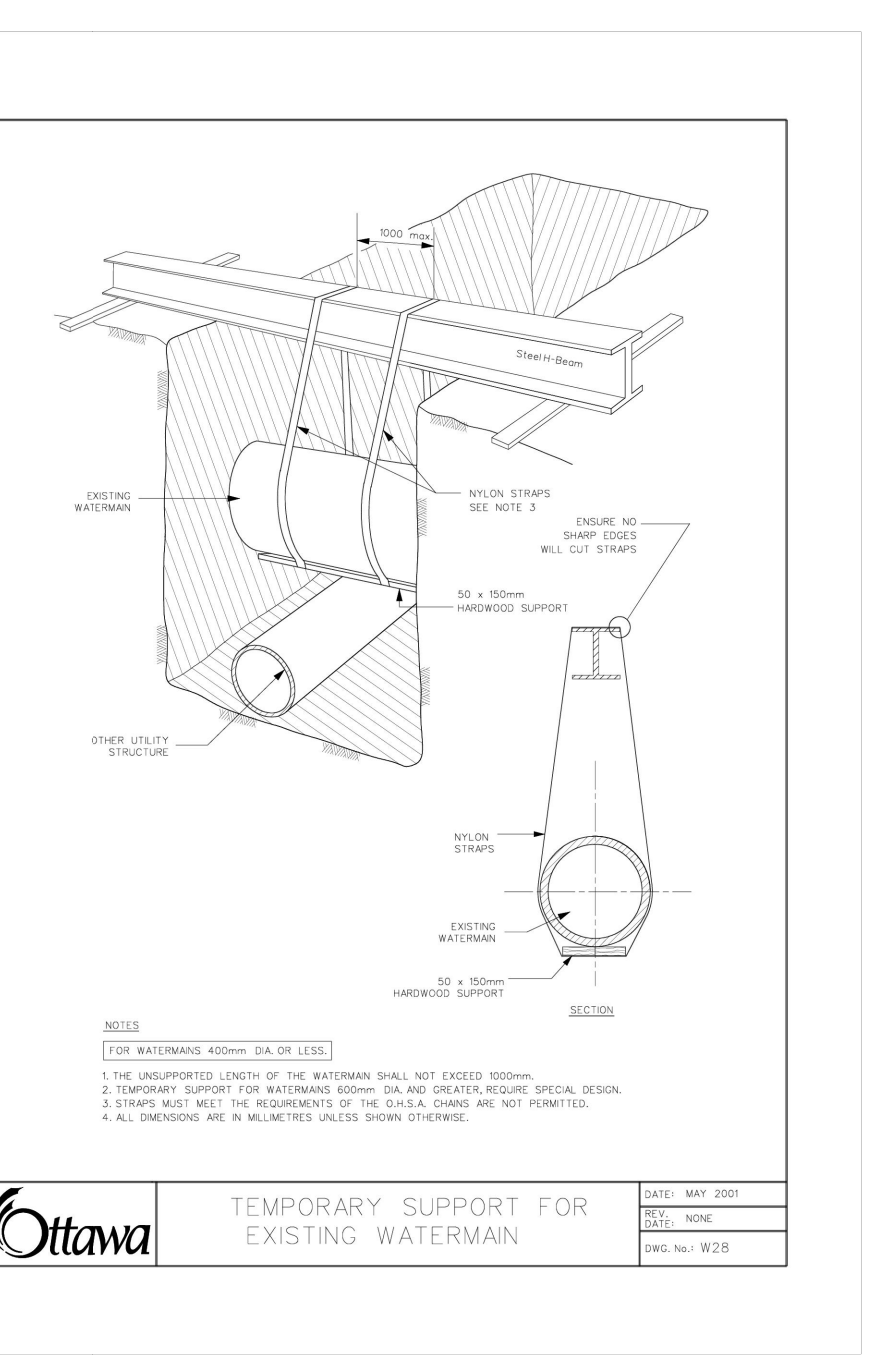
SOIL DESCRIPTION (SEE SOIL BOUNDS) - SANDY CLAY OR SILT	SOIL WITH TYPICAL BEARING CAPACITY OF 90 TO 120 kPa			
	A	B	C	D
125	200	250	300	350
150	225	280	330	380
175	250	300	350	400
200	275	320	370	420
225	300	350	400	450
250	325	370	420	470
275	350	400	450	500
300	375	420	470	520
325	400	450	500	550
350	425	470	520	570



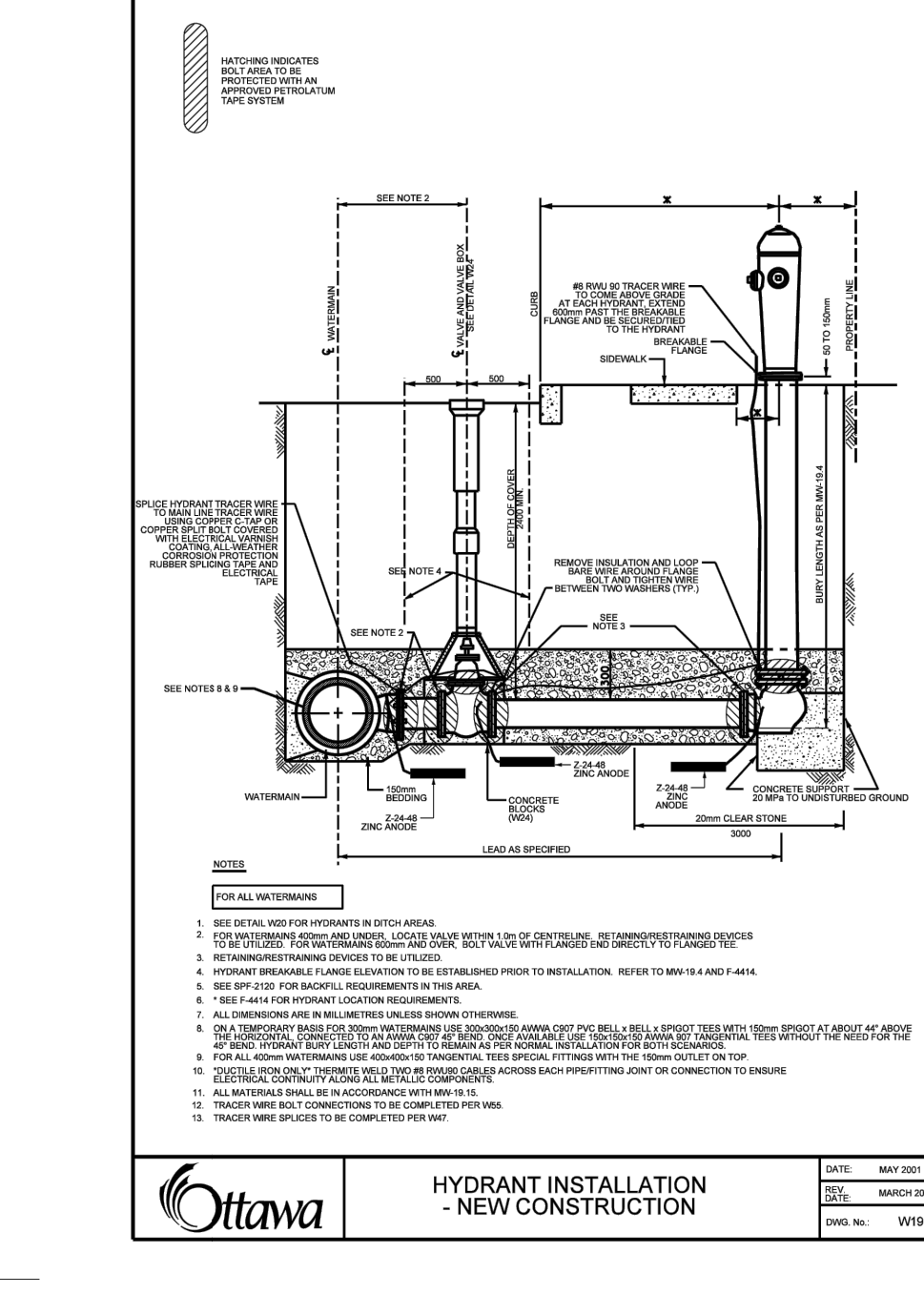
Ottawa RESTRAINED AND RELAXING SPANS FOR PVC AND DI PIPE 400mm AND UNDER
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"

Ottawa TABLES OF RESTRAINED LENGTHS FOR PVC AND DI PIPE 400mm AND UNDER

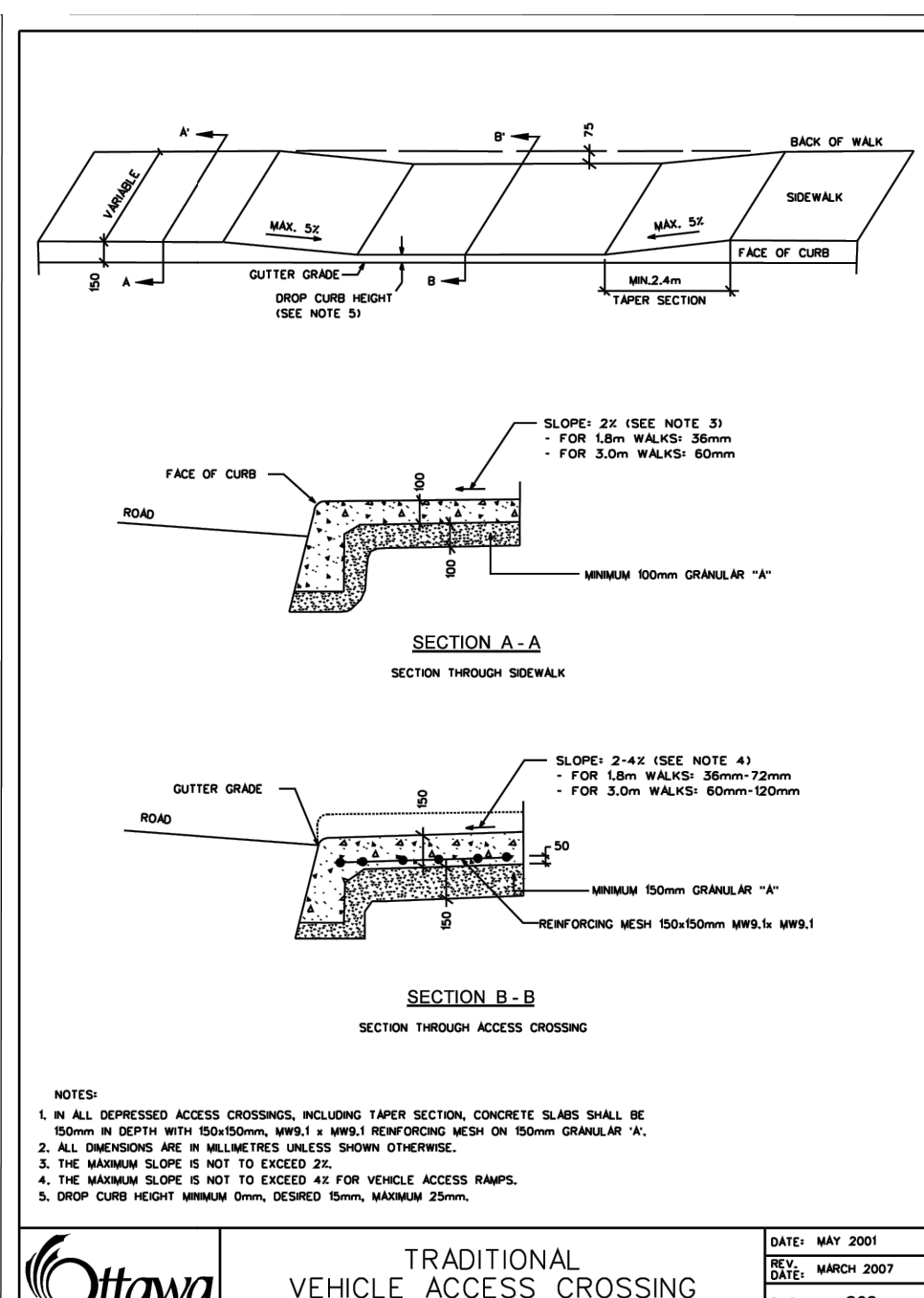
REDUCING	LARGER DIAMETER SIZE TO BE RESTRAINED			
	300mm	350mm	400mm	450mm
BEFORE CURVE AND OTHER SIDE OF VALVE	1	2	3	4
AFTER CURVE AND OTHER SIDE OF VALVE	1	2	3	4
VERTICAL BENDS	1	2	3	4
VERTICAL BENDS WITH 45°	1	2	3	4
VERTICAL BENDS WITH 60°	1	2	3	4
VERTICAL BENDS WITH 75°	1	2	3	4
VERTICAL BENDS WITH 90°	1	2	3	4



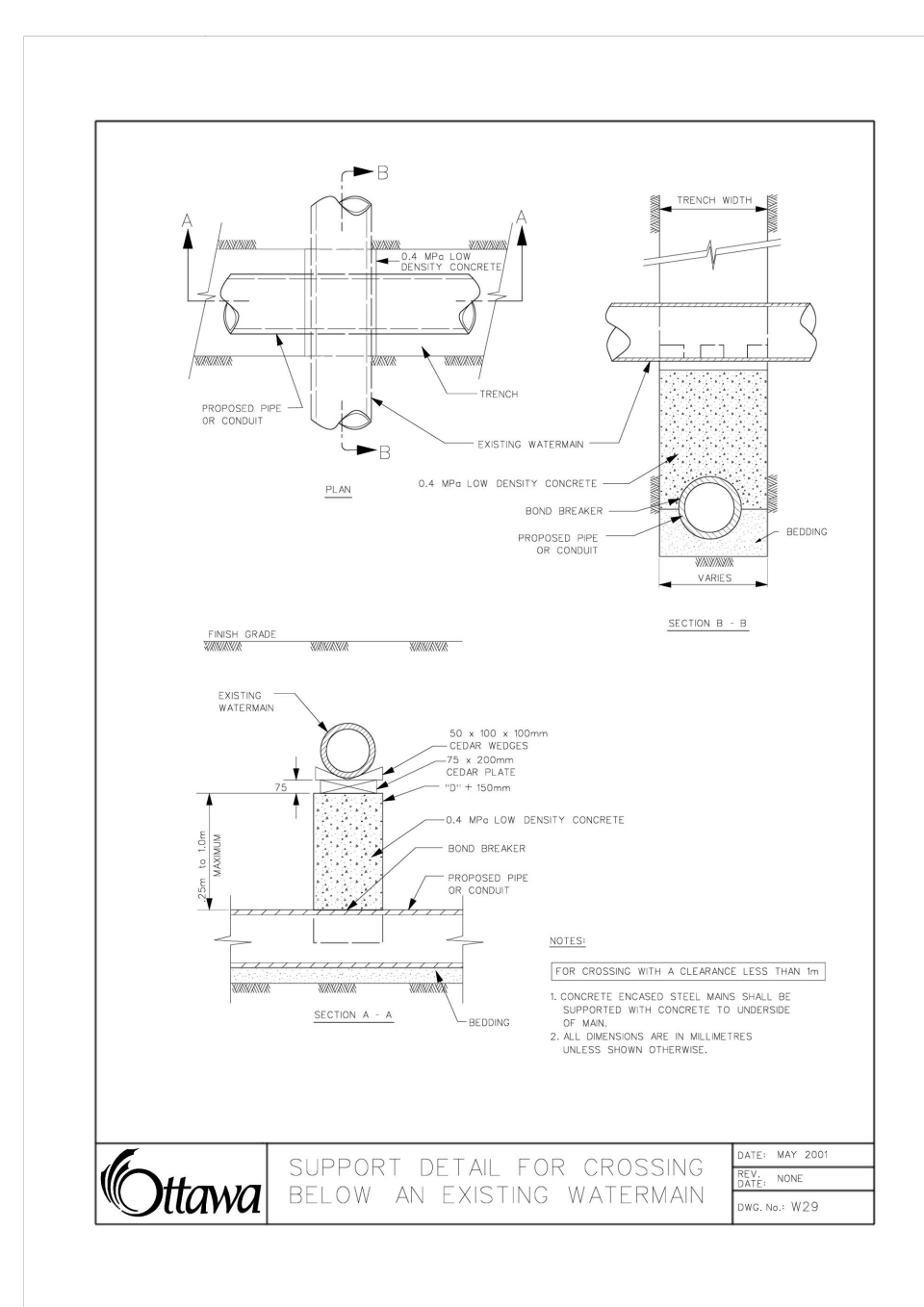
Ottawa TEMPORARY SUPPORT FOR EXISTING WATERMAIN
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



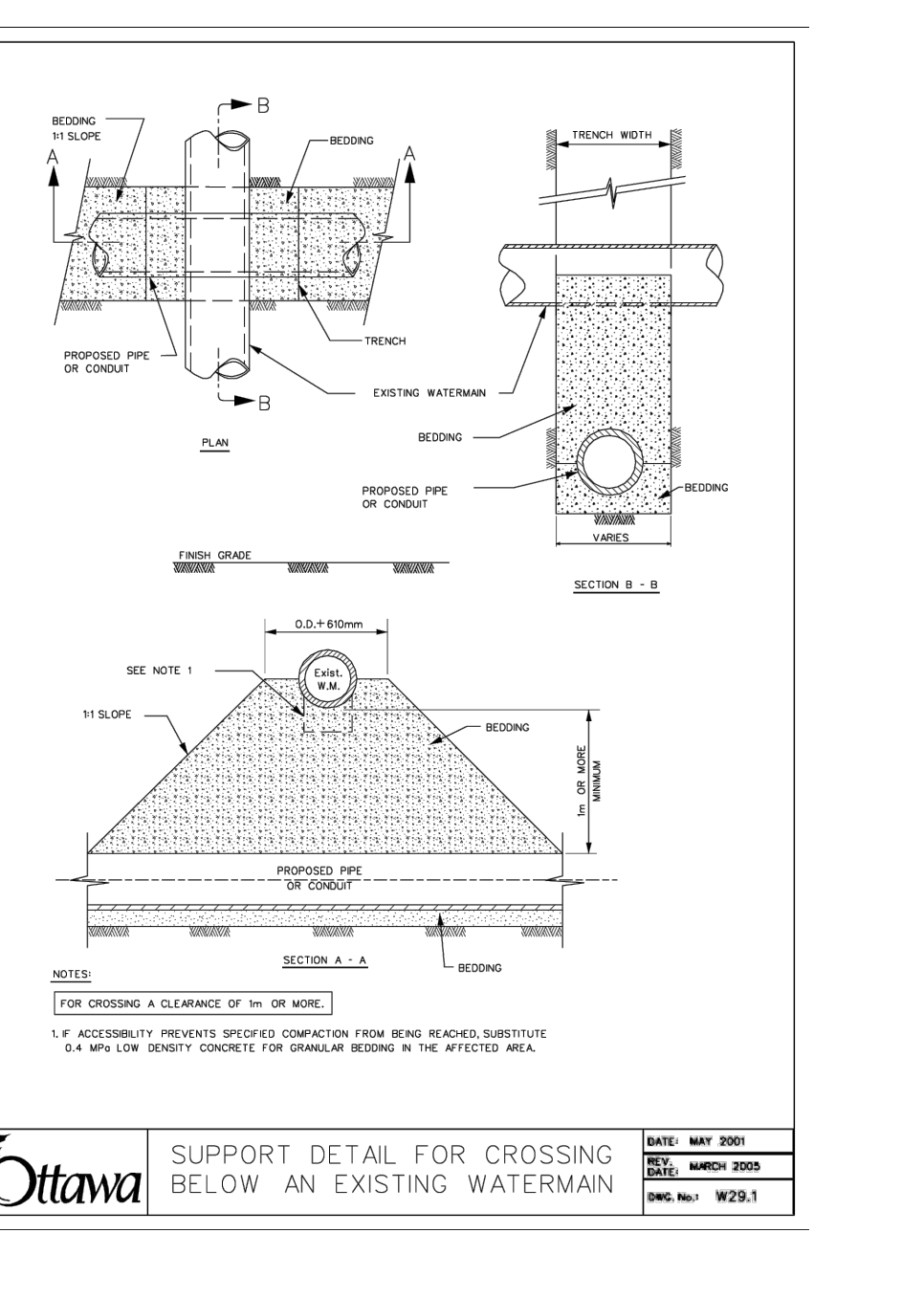
Ottawa HYDRANT INSTALLATION NEW CONSTRUCTION
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



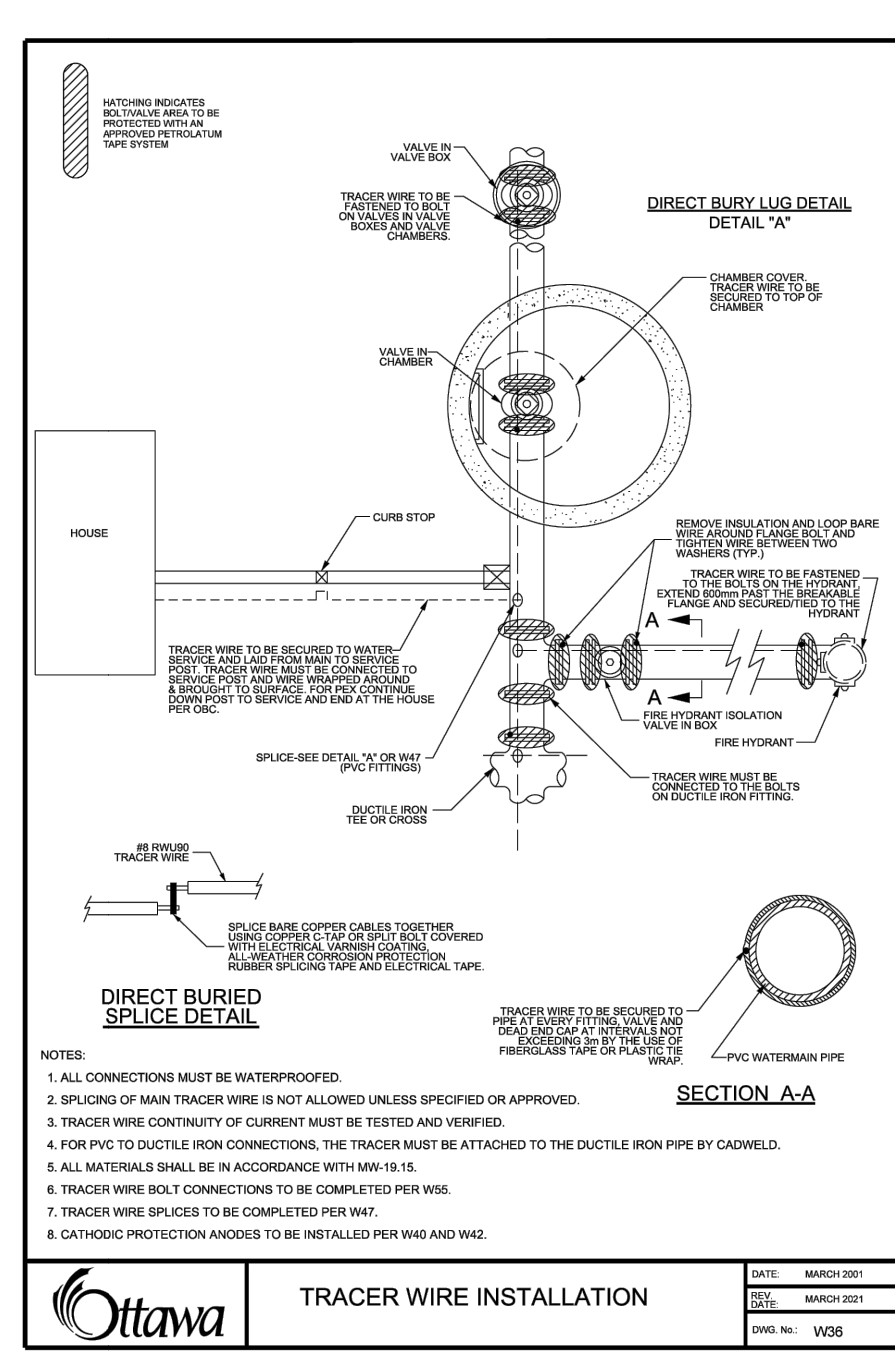
Ottawa TRADITIONAL VEHICLE ACCESS CROSSING
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



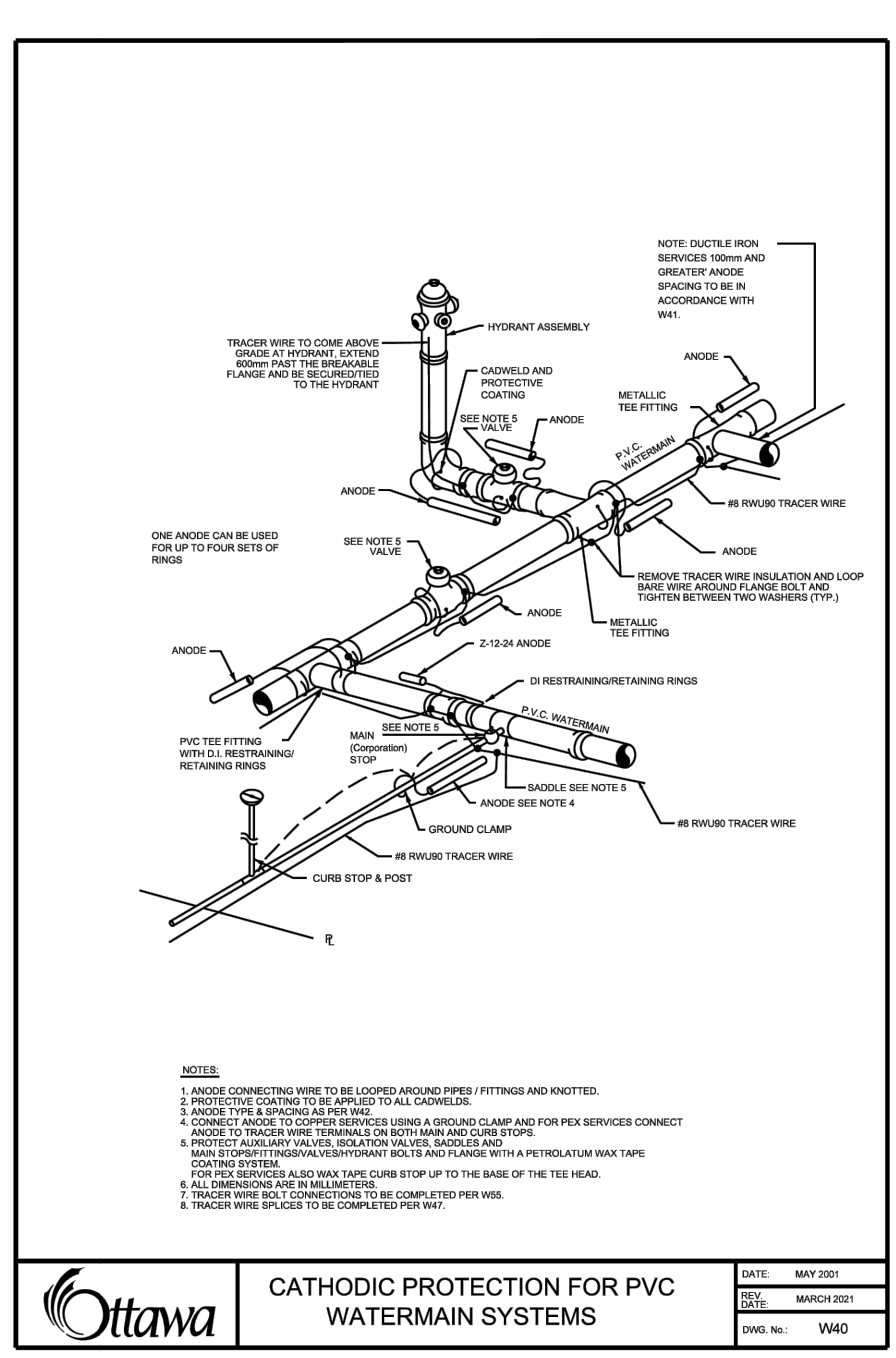
Ottawa SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



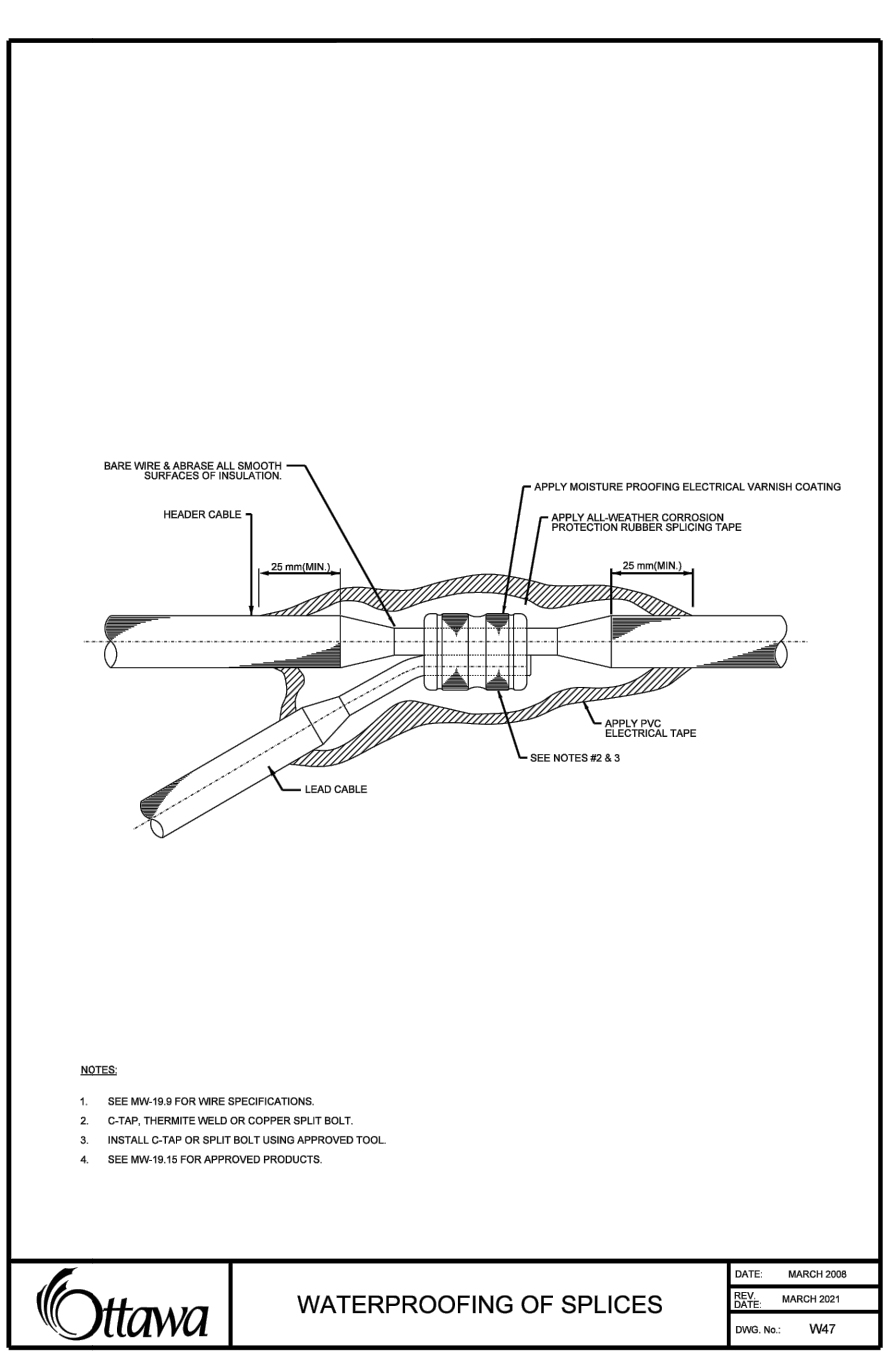
Ottawa SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



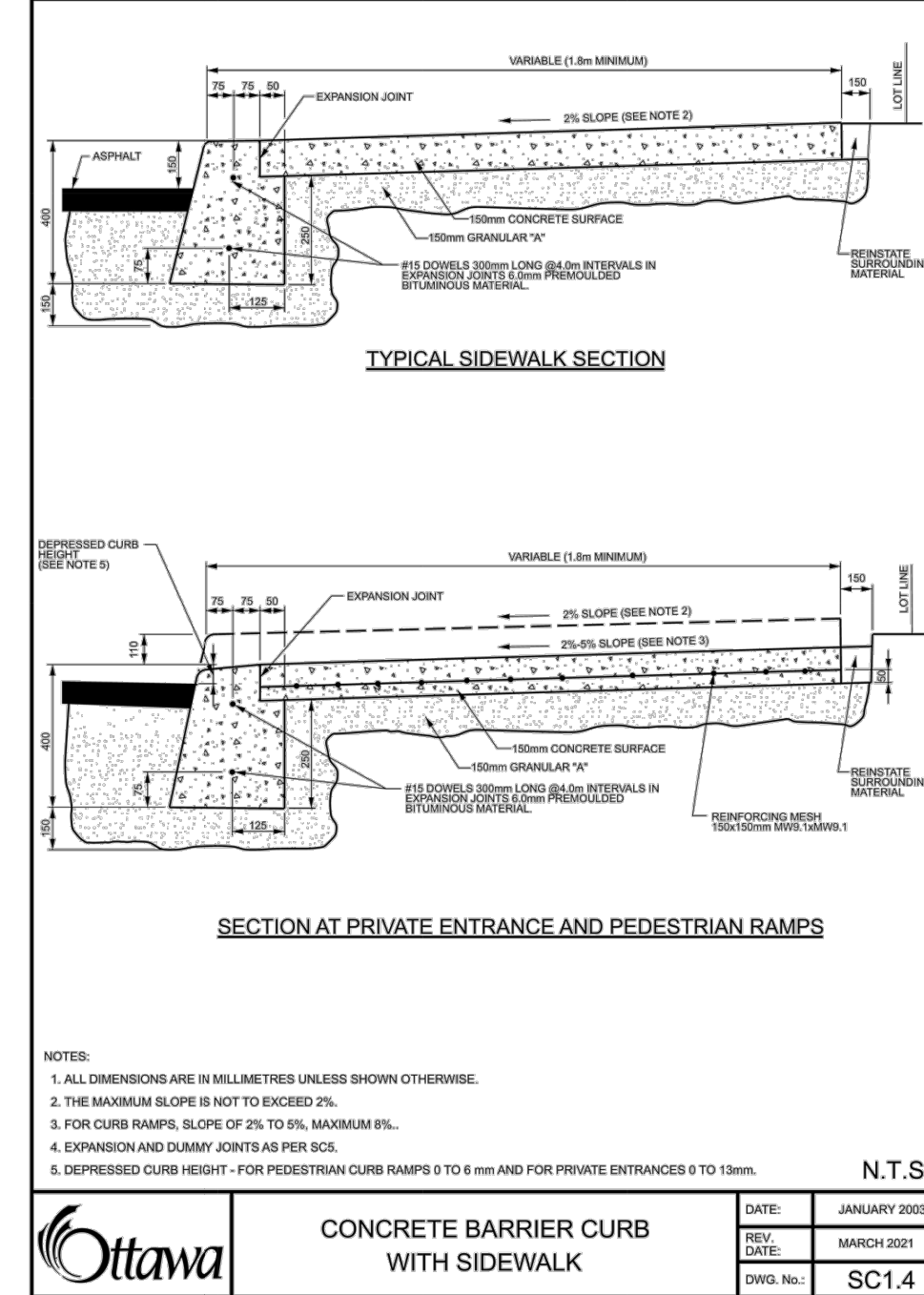
Ottawa TRACER WIRE INSTALLATION
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



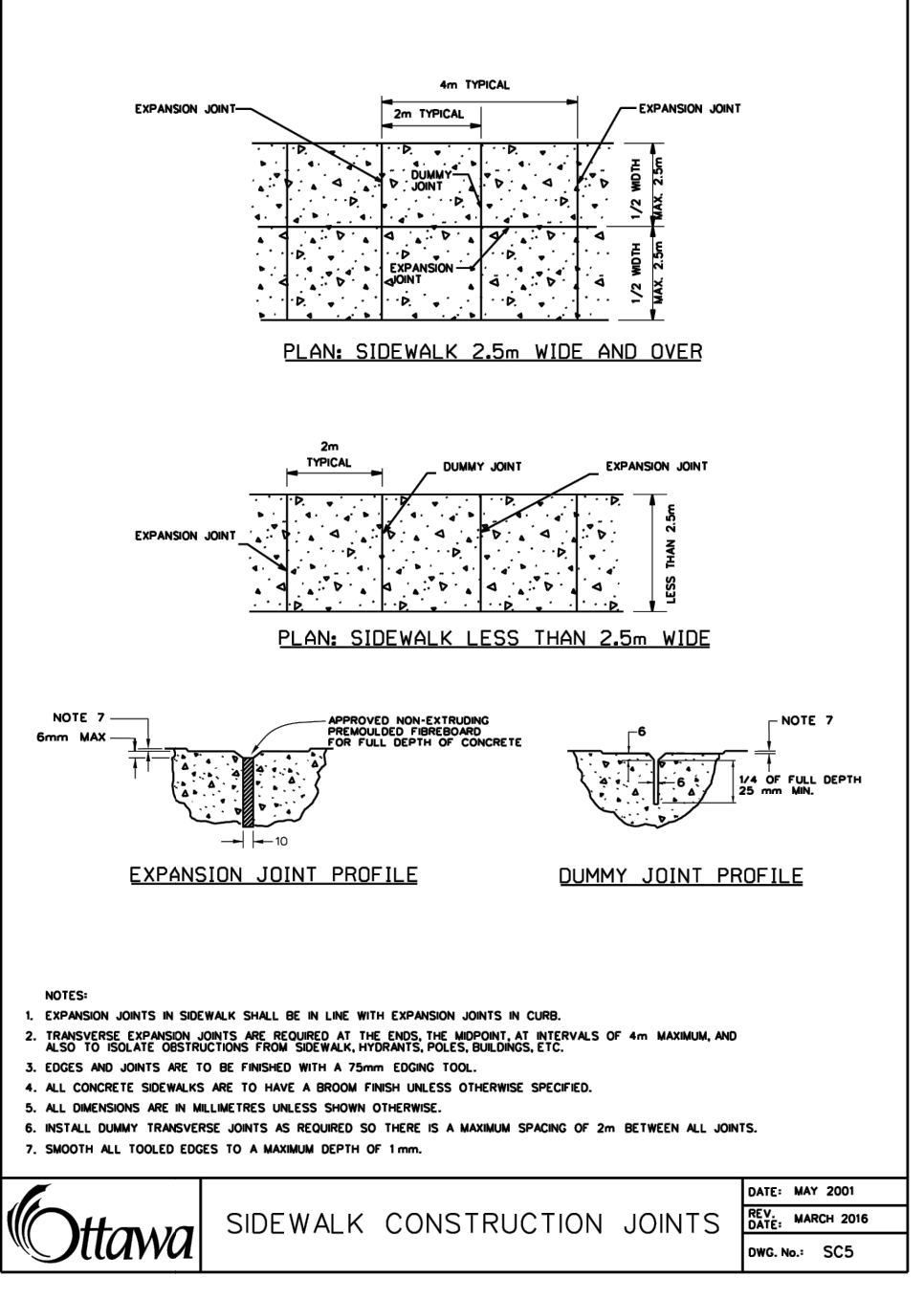
Ottawa CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



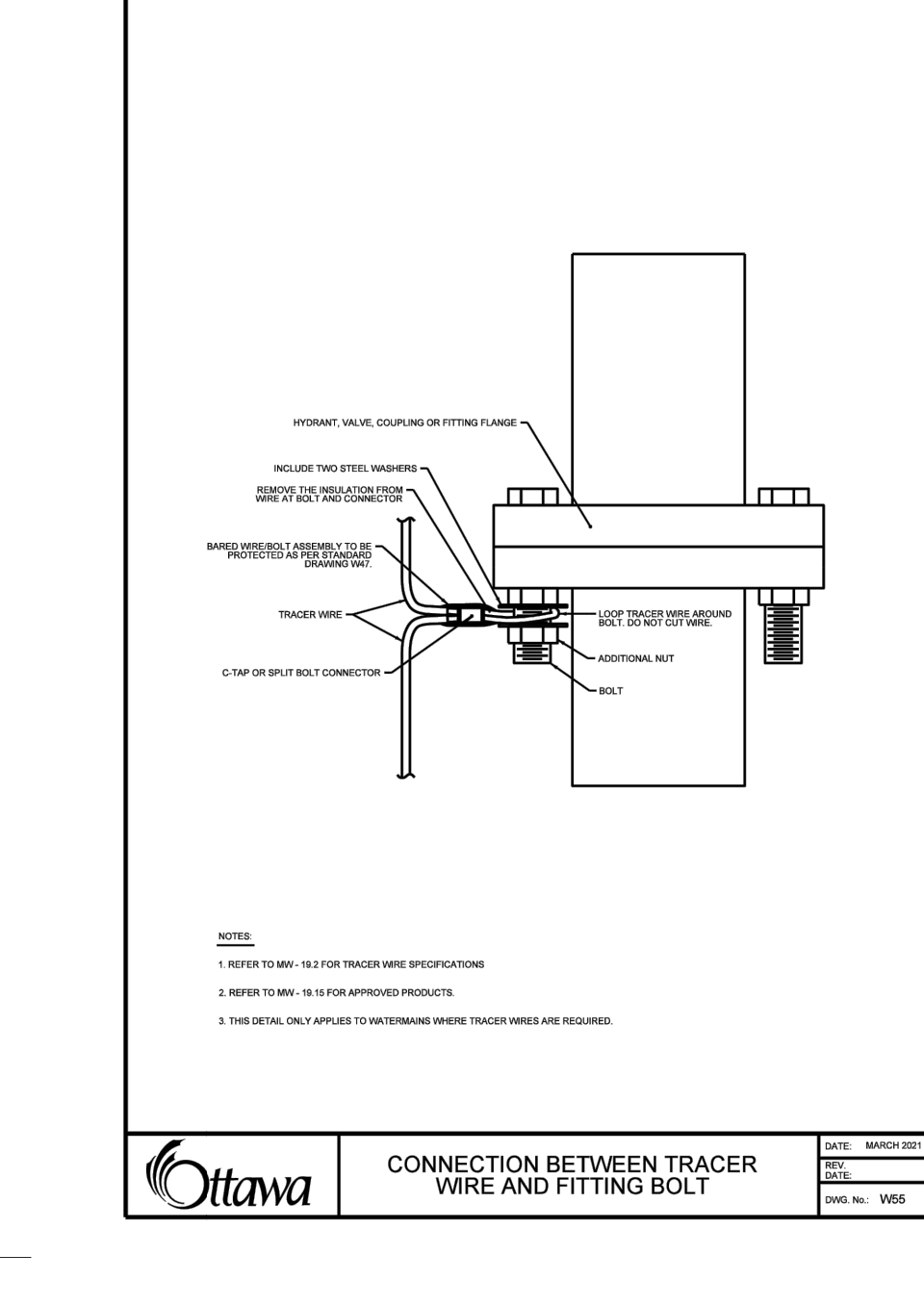
Ottawa WATERPROOFING OF SPLICES
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



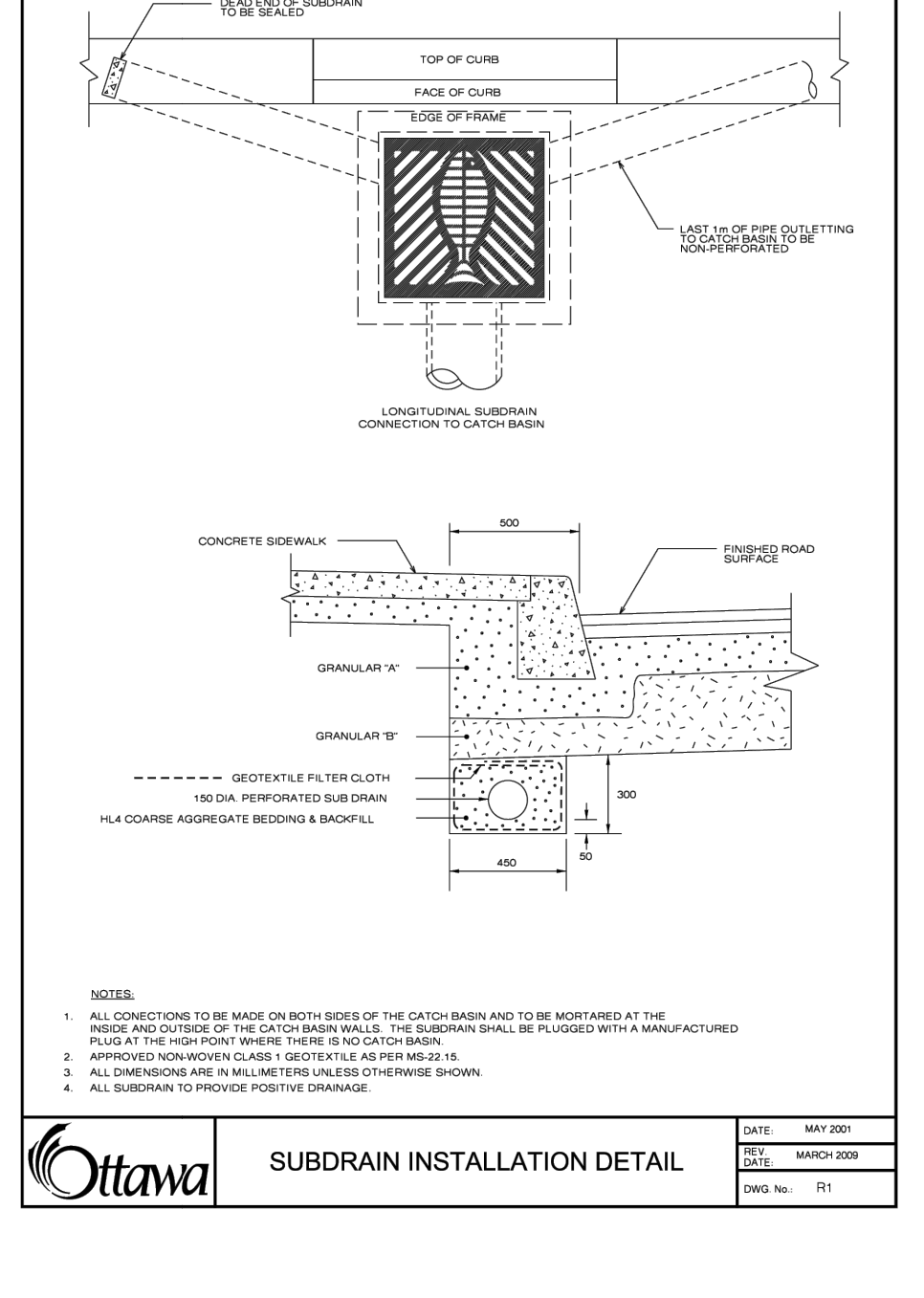
Ottawa CONCRETE BARRIER CURB WITH SIDEWALK
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



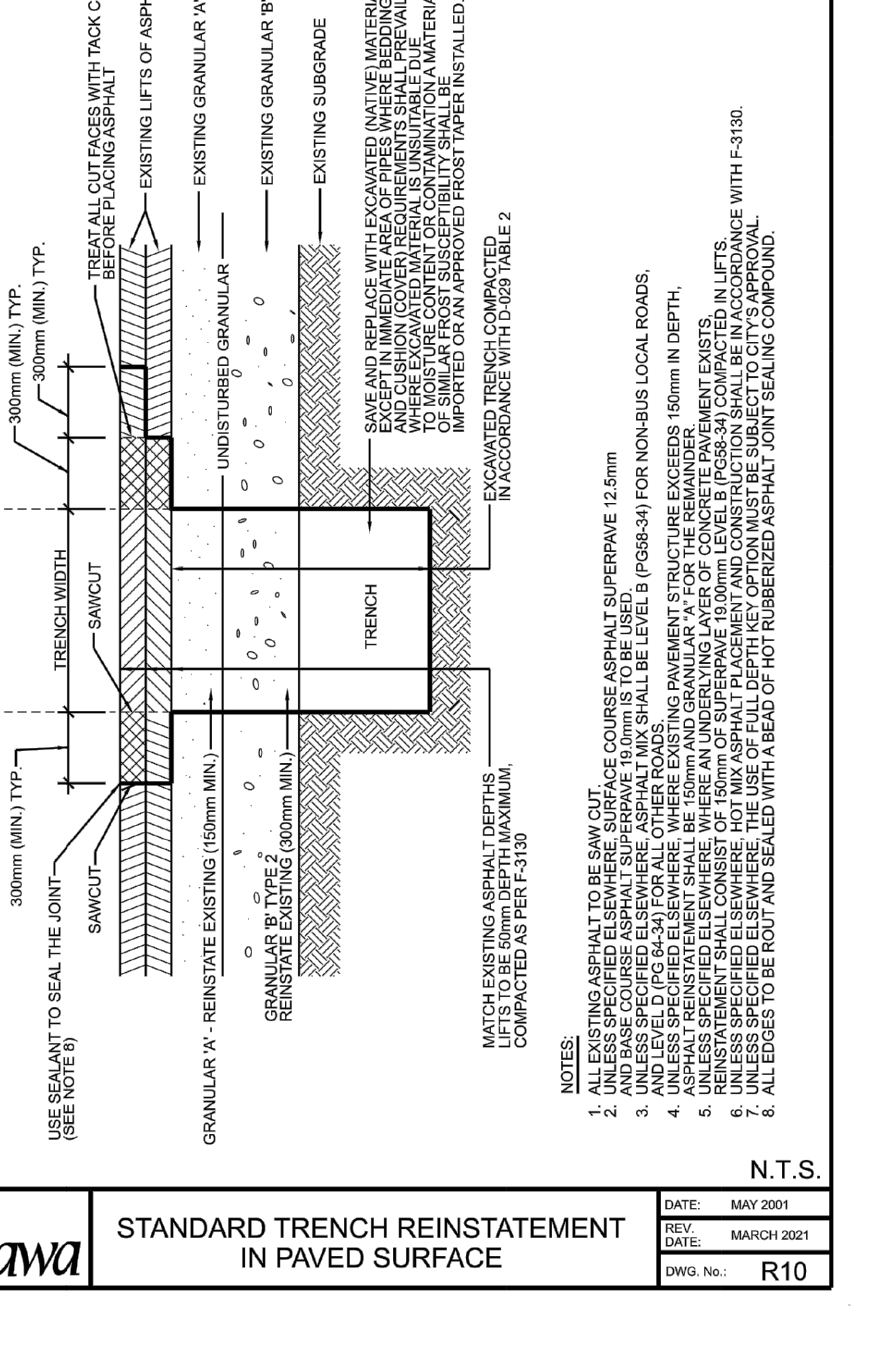
Ottawa SIDEWALK CONSTRUCTION JOINTS
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



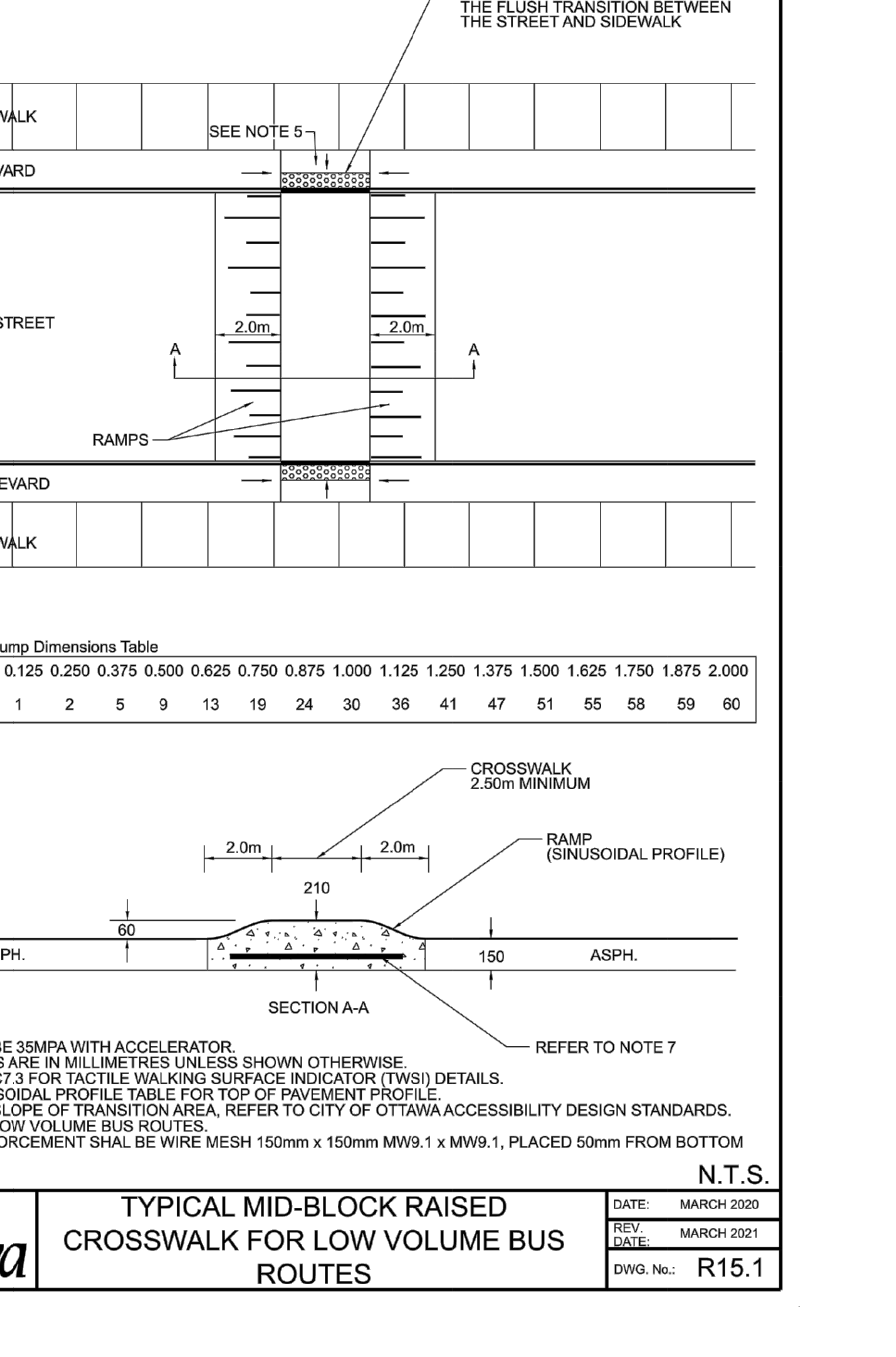
Ottawa CONNECTION BETWEEN TRACER WIRE AND FITTING BOLT
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



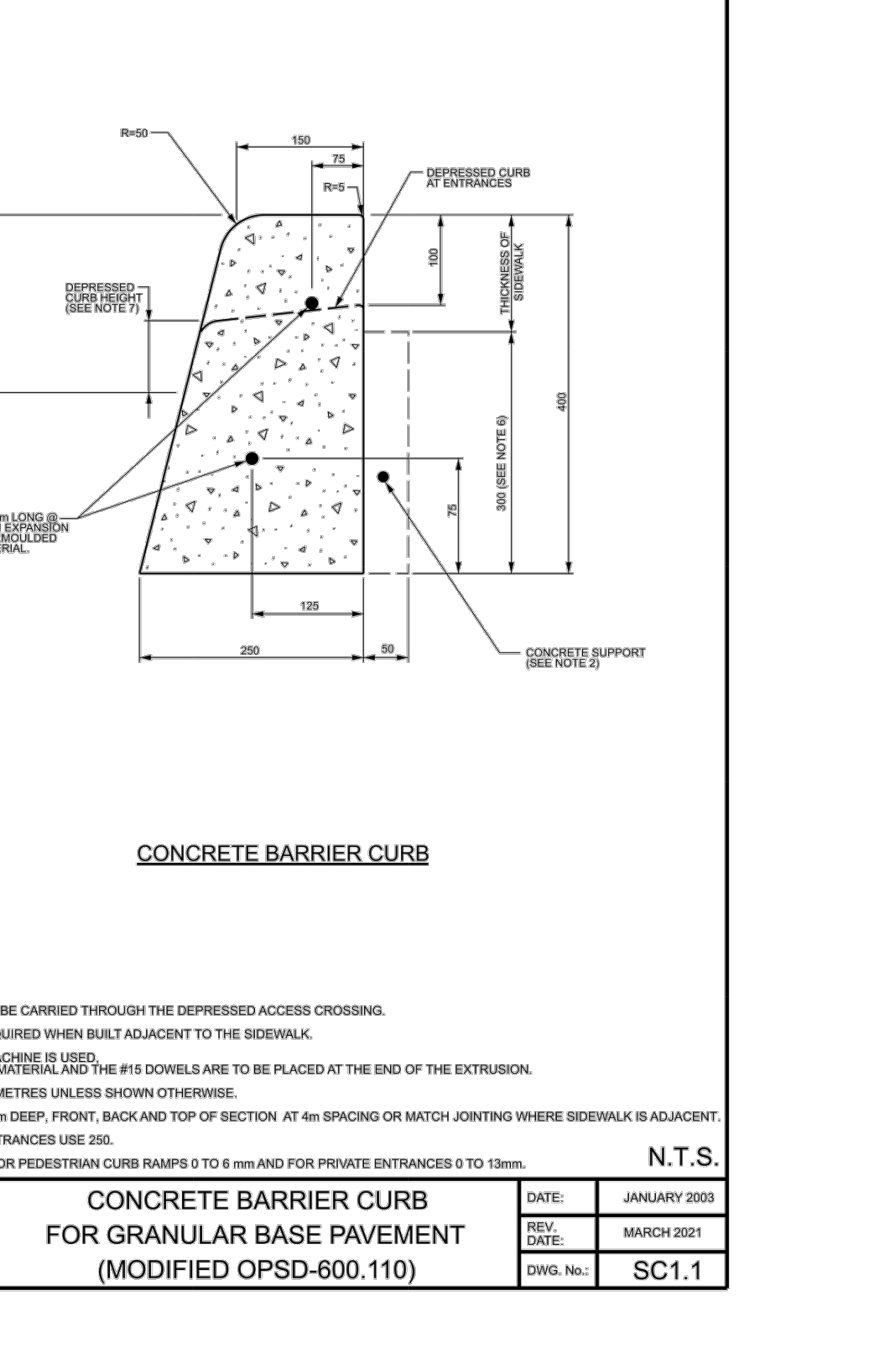
Ottawa SUBDRAIN INSTALLATION DETAIL
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



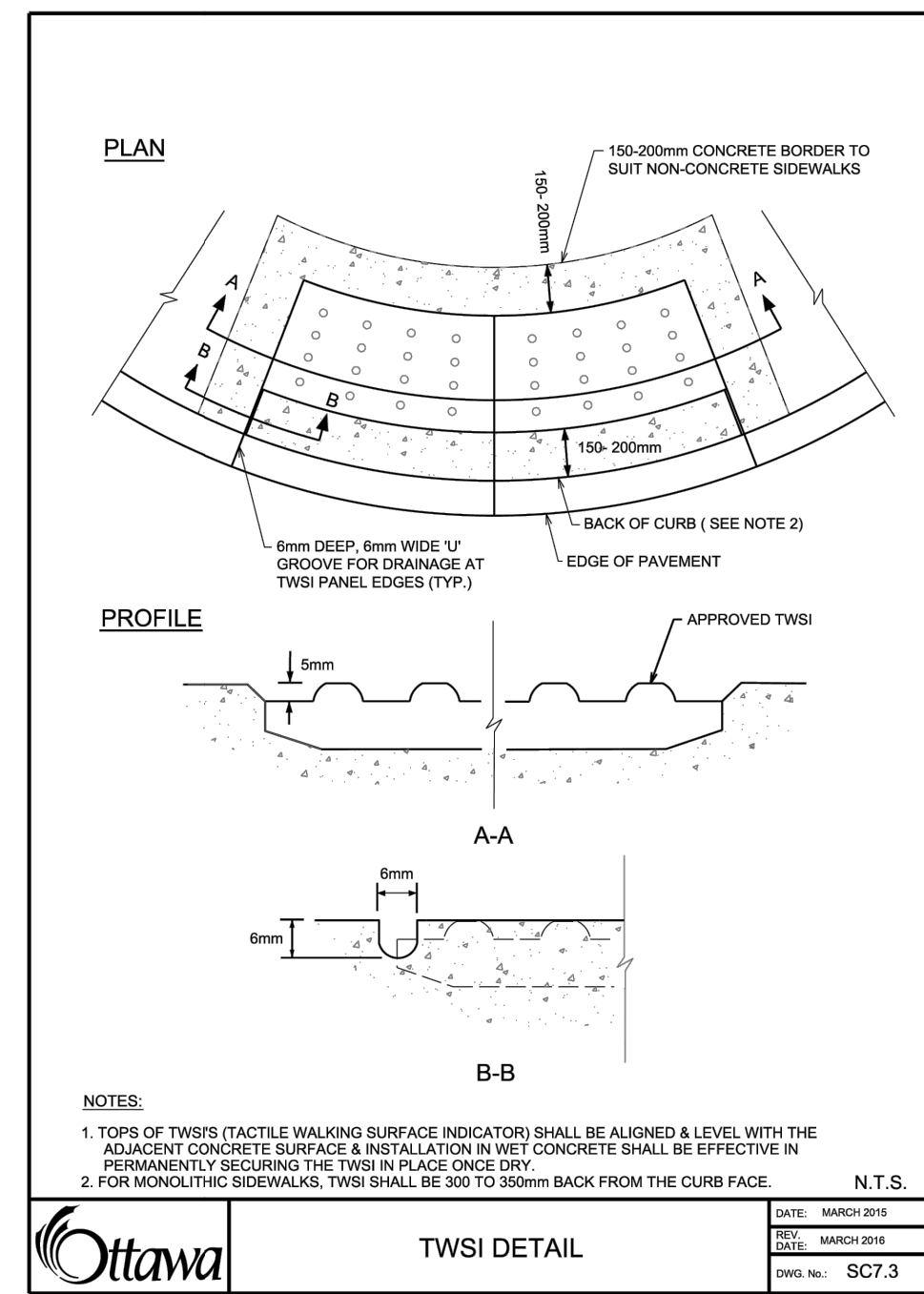
Ottawa STANDARD TRENCH REINFORCEMENT IN PAVED SURFACE
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



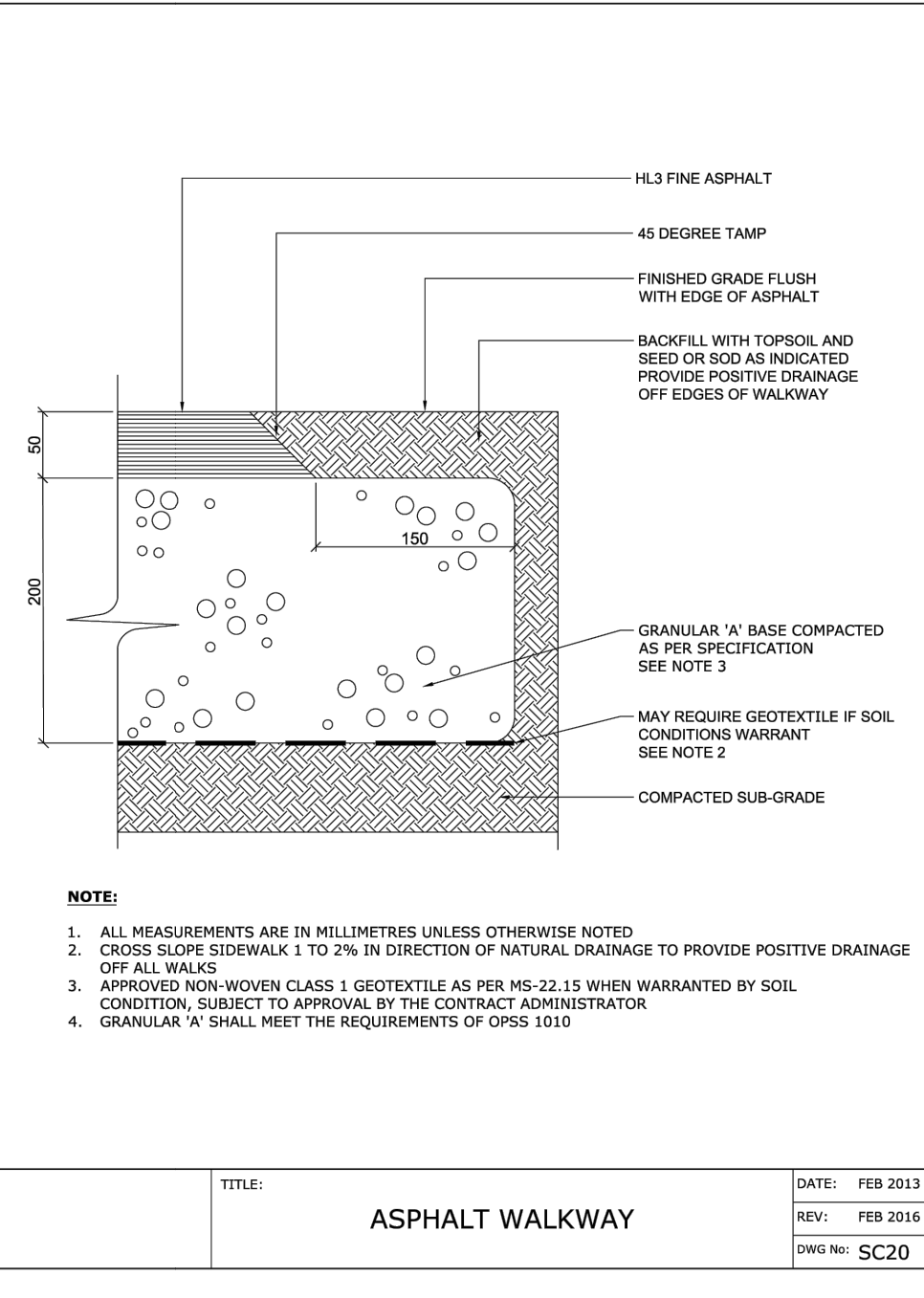
Ottawa TYPICAL MID-BLOCK RAISED CROSSWALK FOR LOW VOLUME BUS ROUTES
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



Ottawa CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



Ottawa TWSI DETAIL
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



Ottawa ASPHALT WALKWAY
 DATE: 2005
 DRAWN BY: JMM
 CHECKED BY: JMM
 SCALE: 1/8" = 1'-0"



9 24/09/23 ISSUED FOR BUILDING PERMIT
 8 24/09/23 ISSUED FOR SITE PLAN CONTROL
 7 24/09/07 ISSUED FOR 50% CD SUBMISSION
 6 24/06/03 ISSUED FOR 100% CD SUBMISSION R2
 5 24/05/10 ISSUED FOR FOUNDATION PERMIT
 4 24/04/19 ISSUED FOR 100% DD SUBMISSION
 3 24/01/24 RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
 2 23/12/00 ISSUED FOR BUILDING PERMIT (TUNNEL)
 1 23/12/15 RE-ISSUED FOR 50% DD SUBMISSION
 0 23/12/15 ISSUED FOR 50% DD SUBMISSION

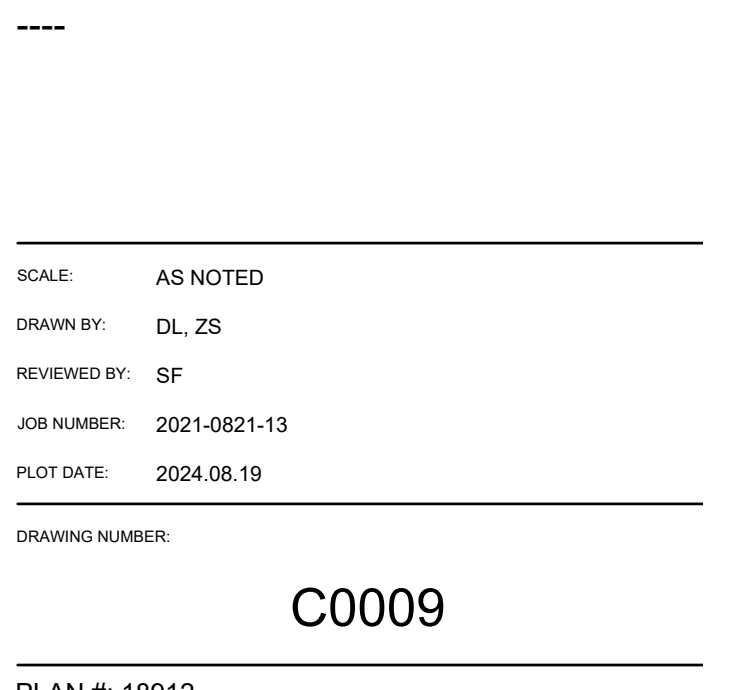
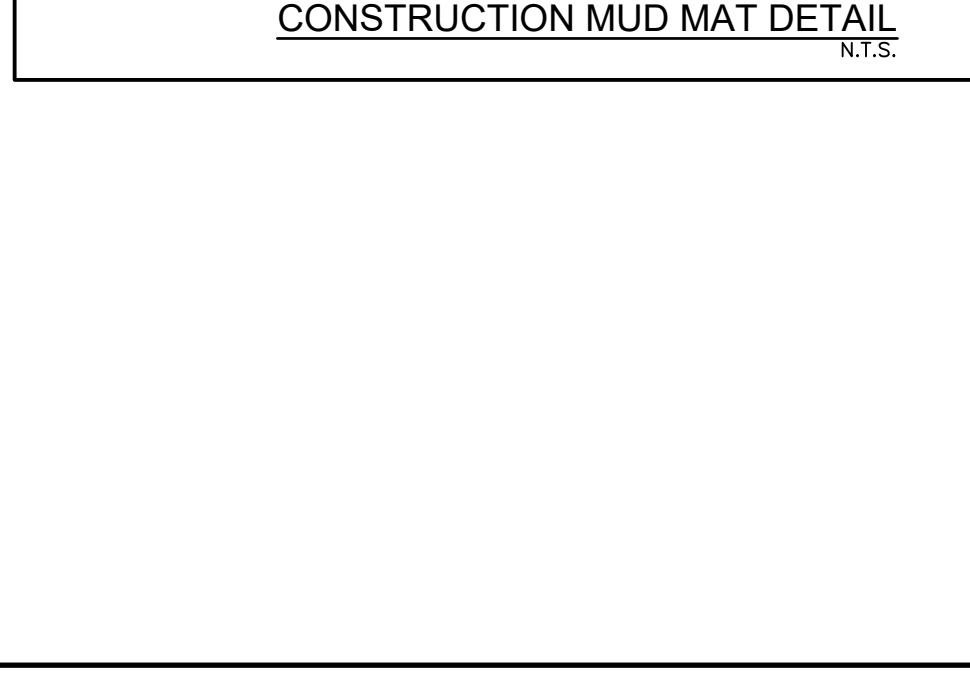
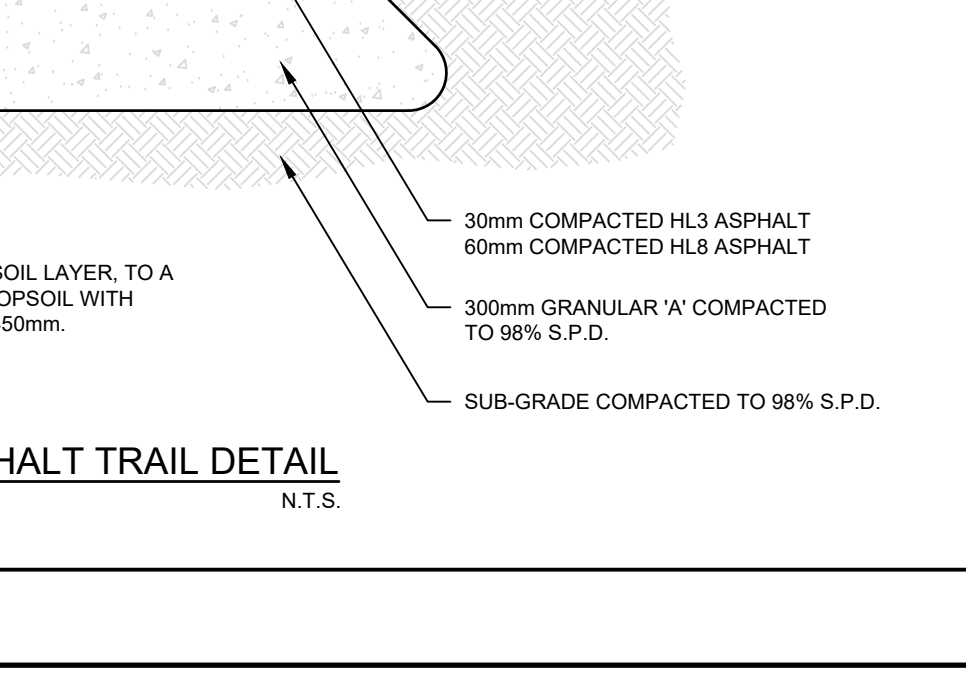
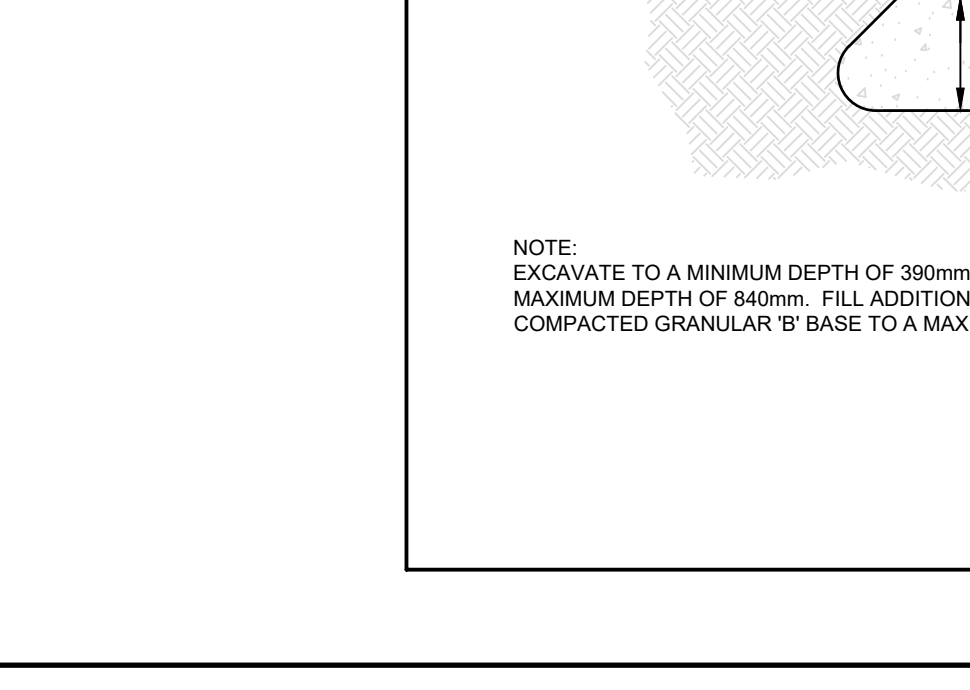
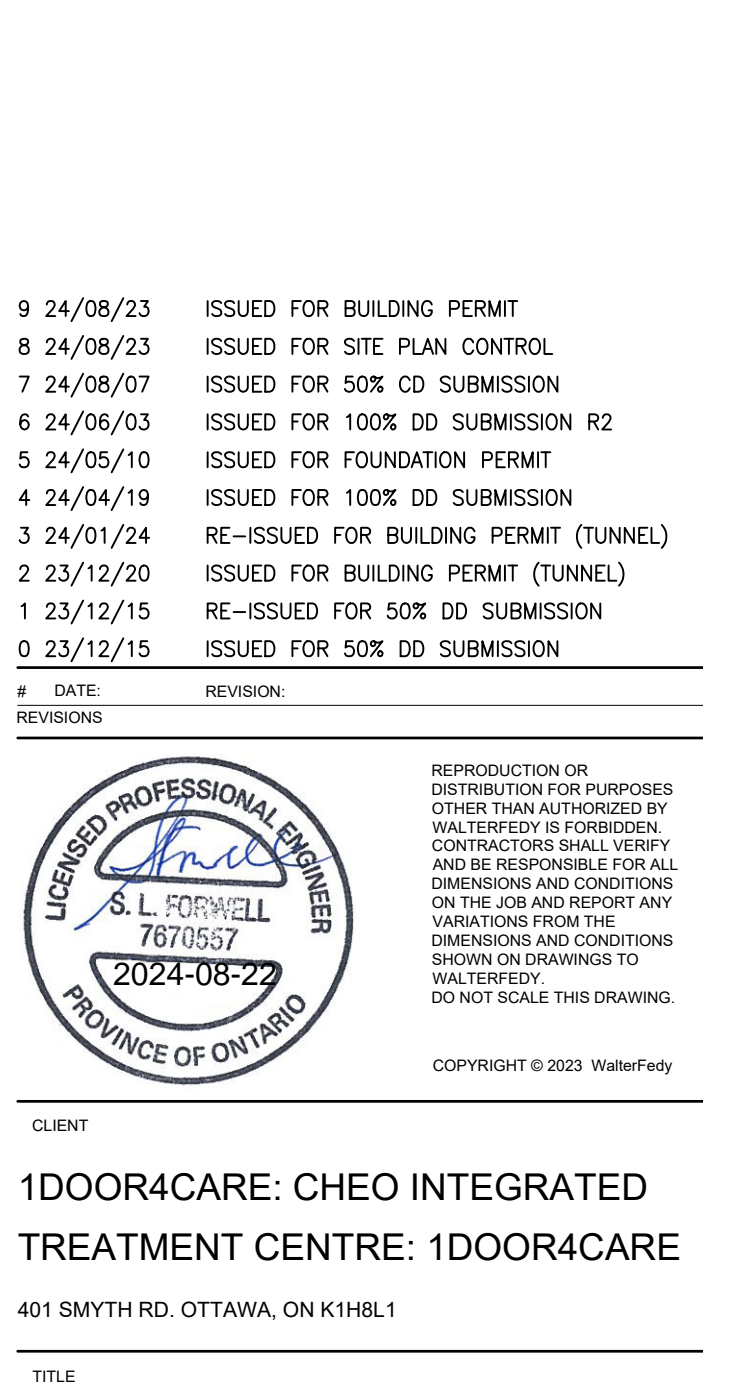
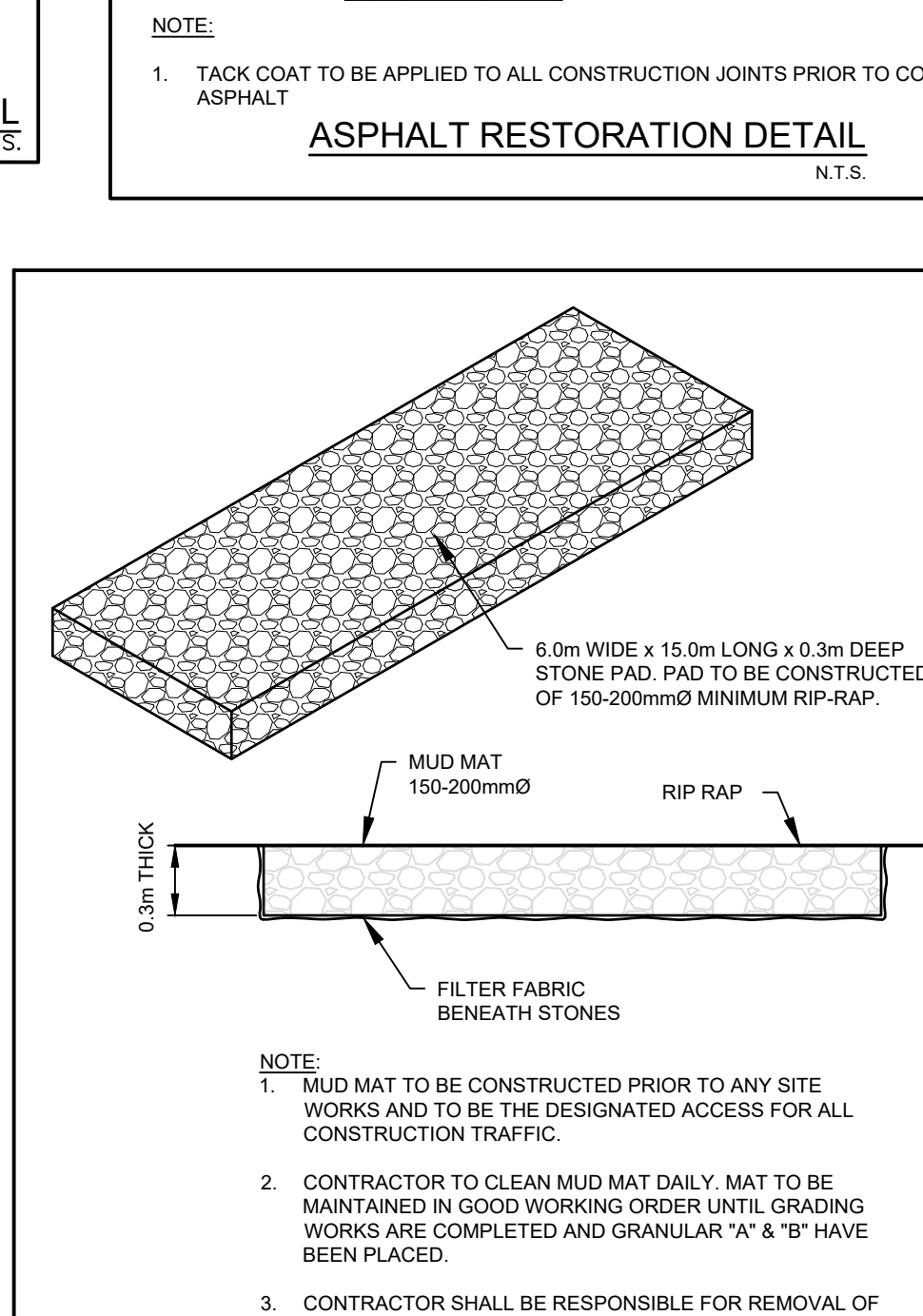
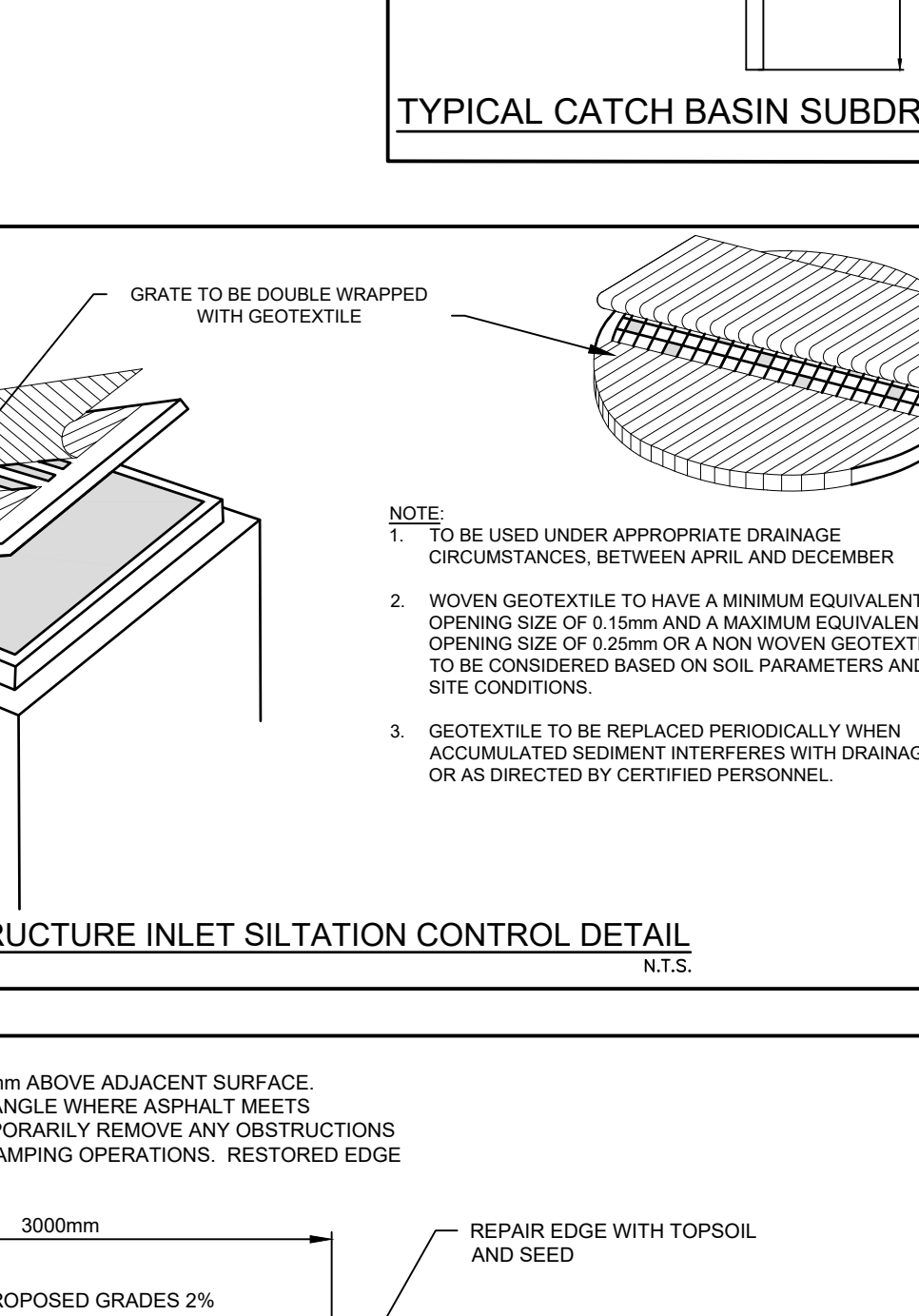
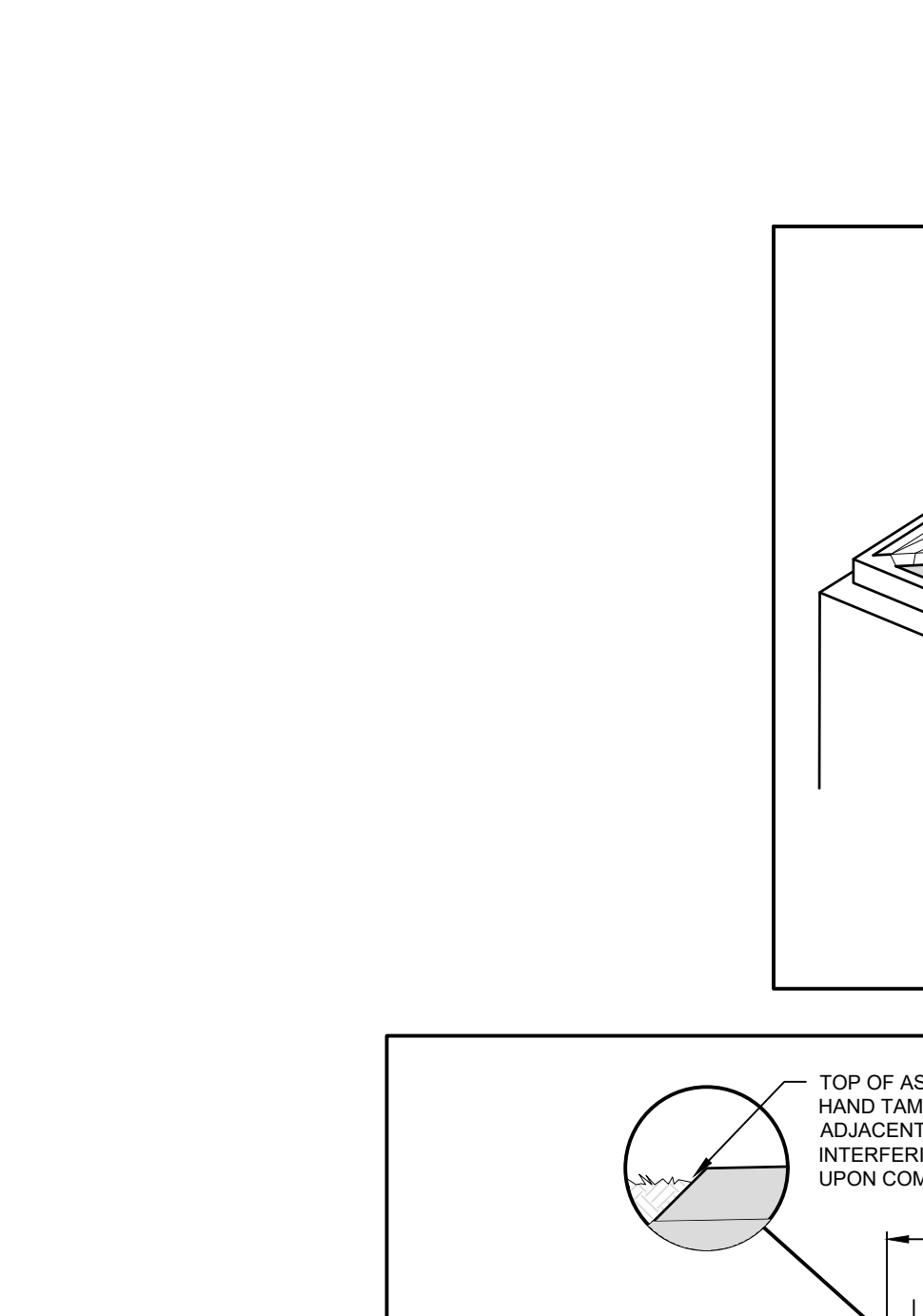
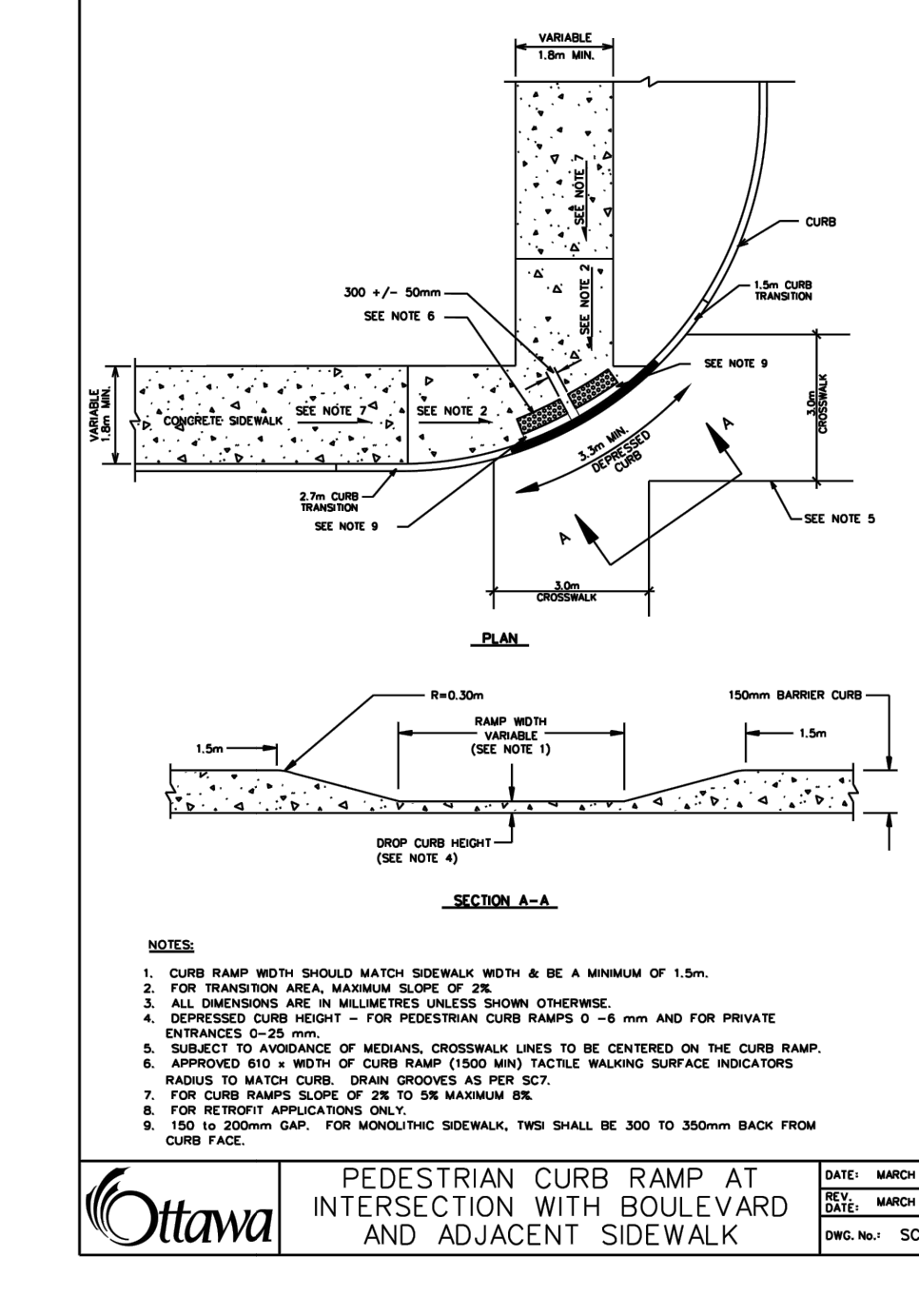
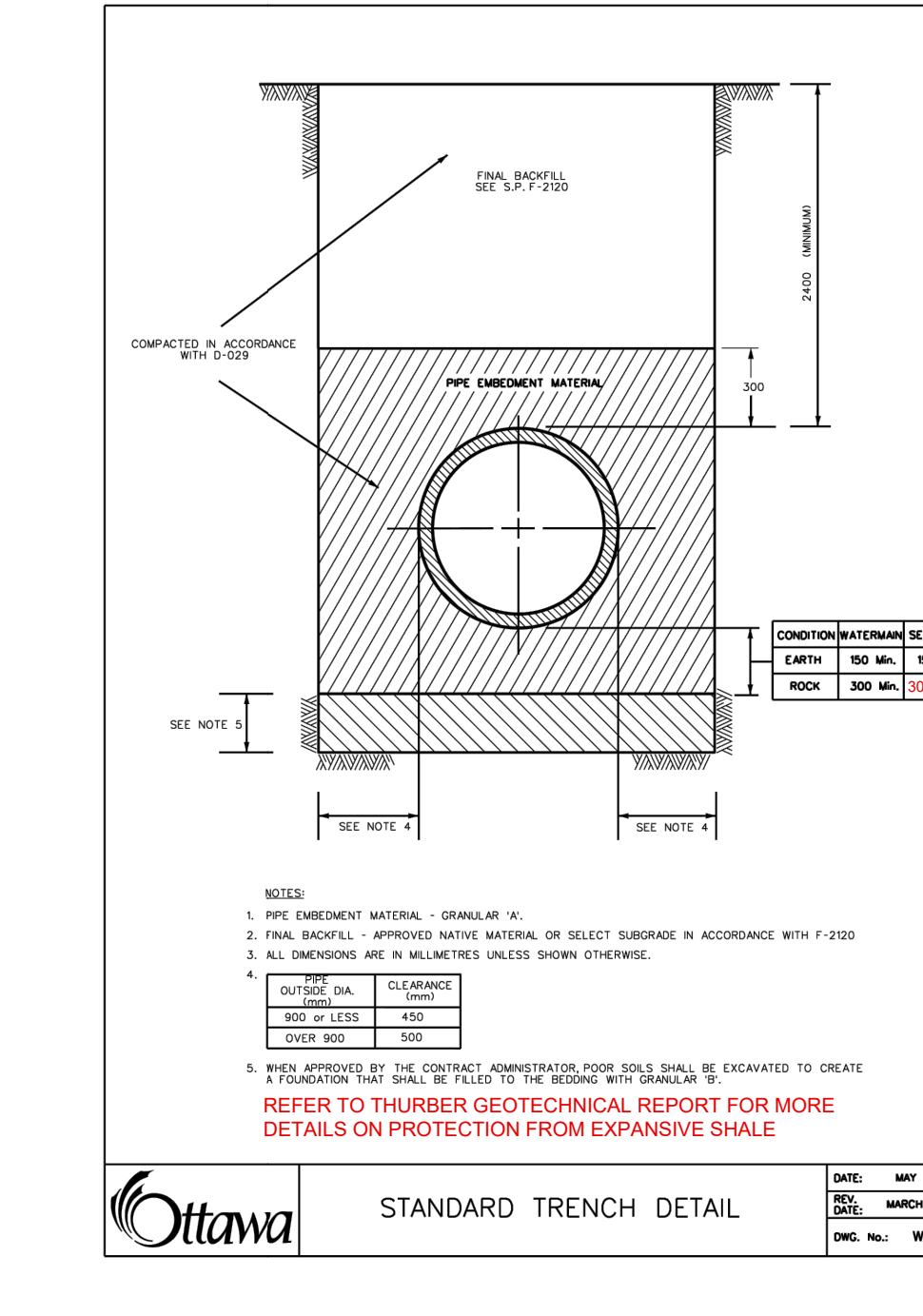
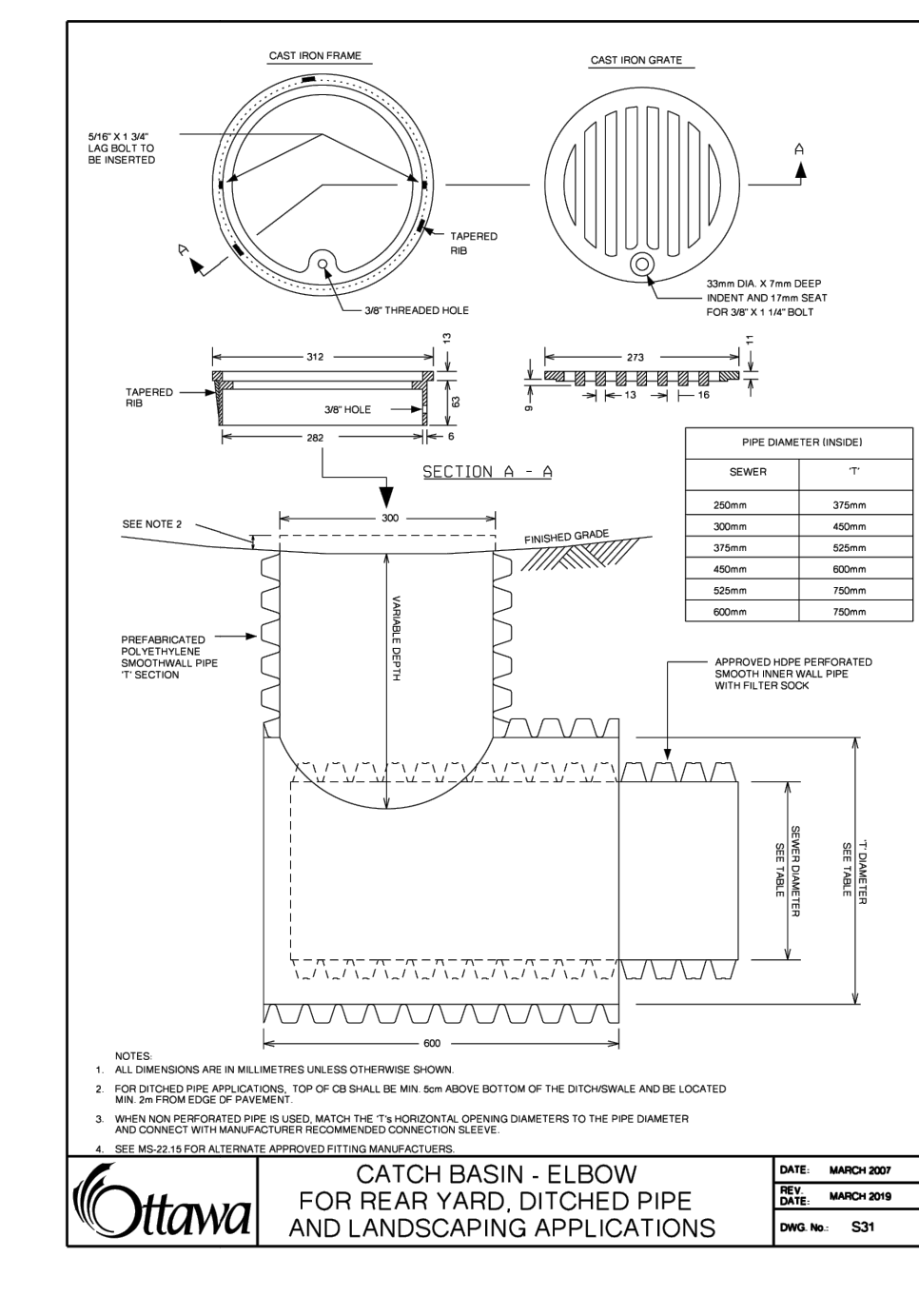
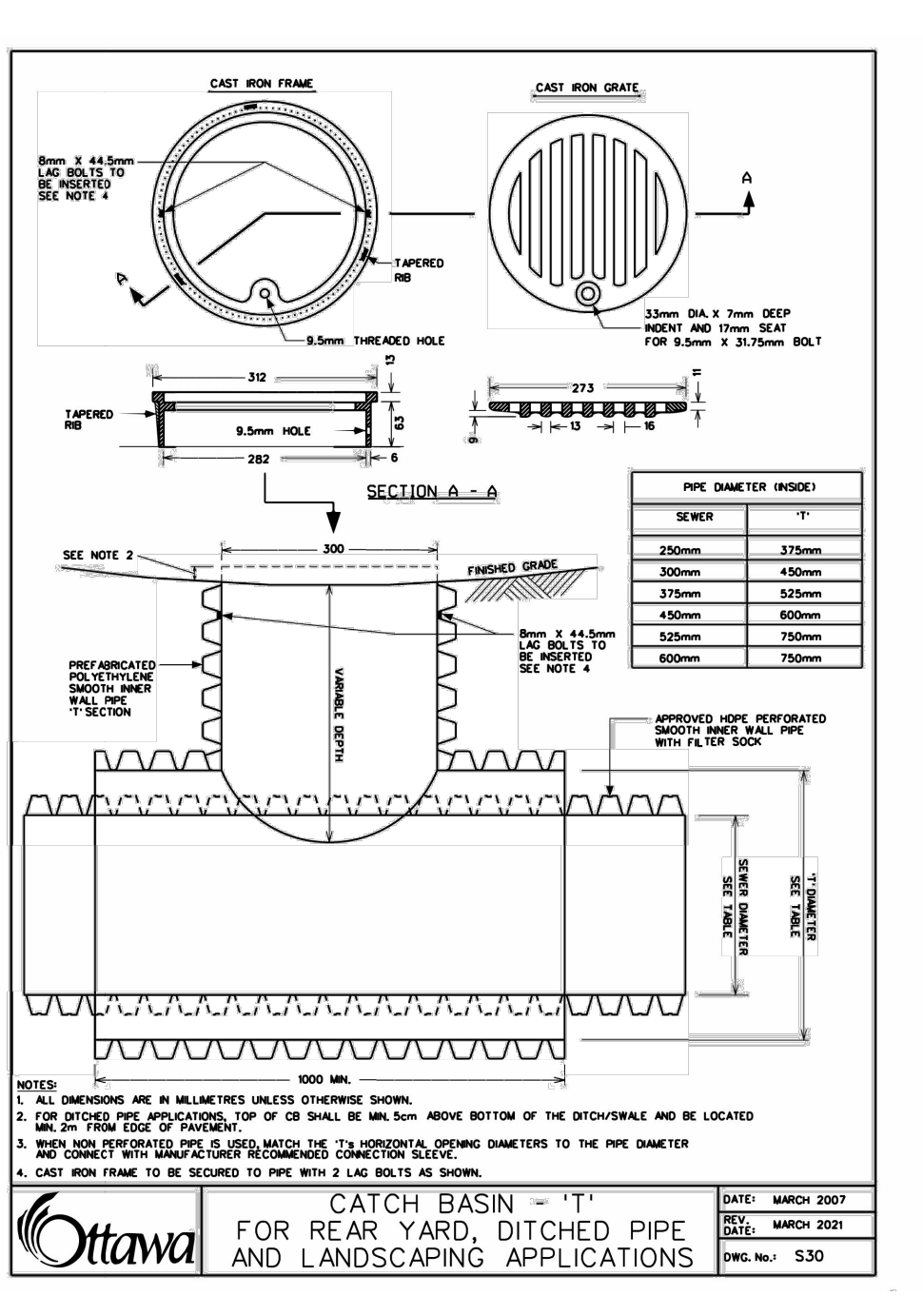
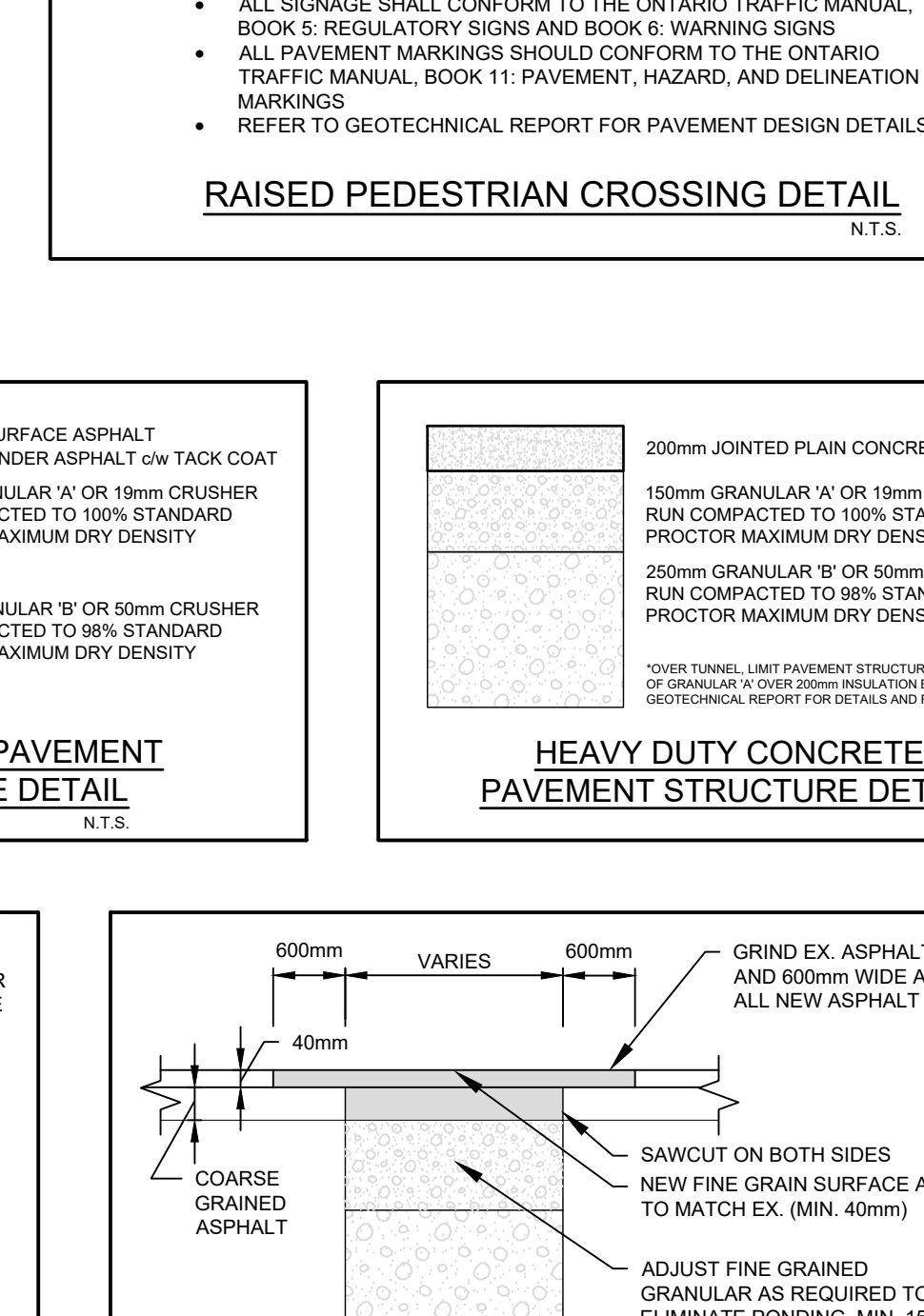
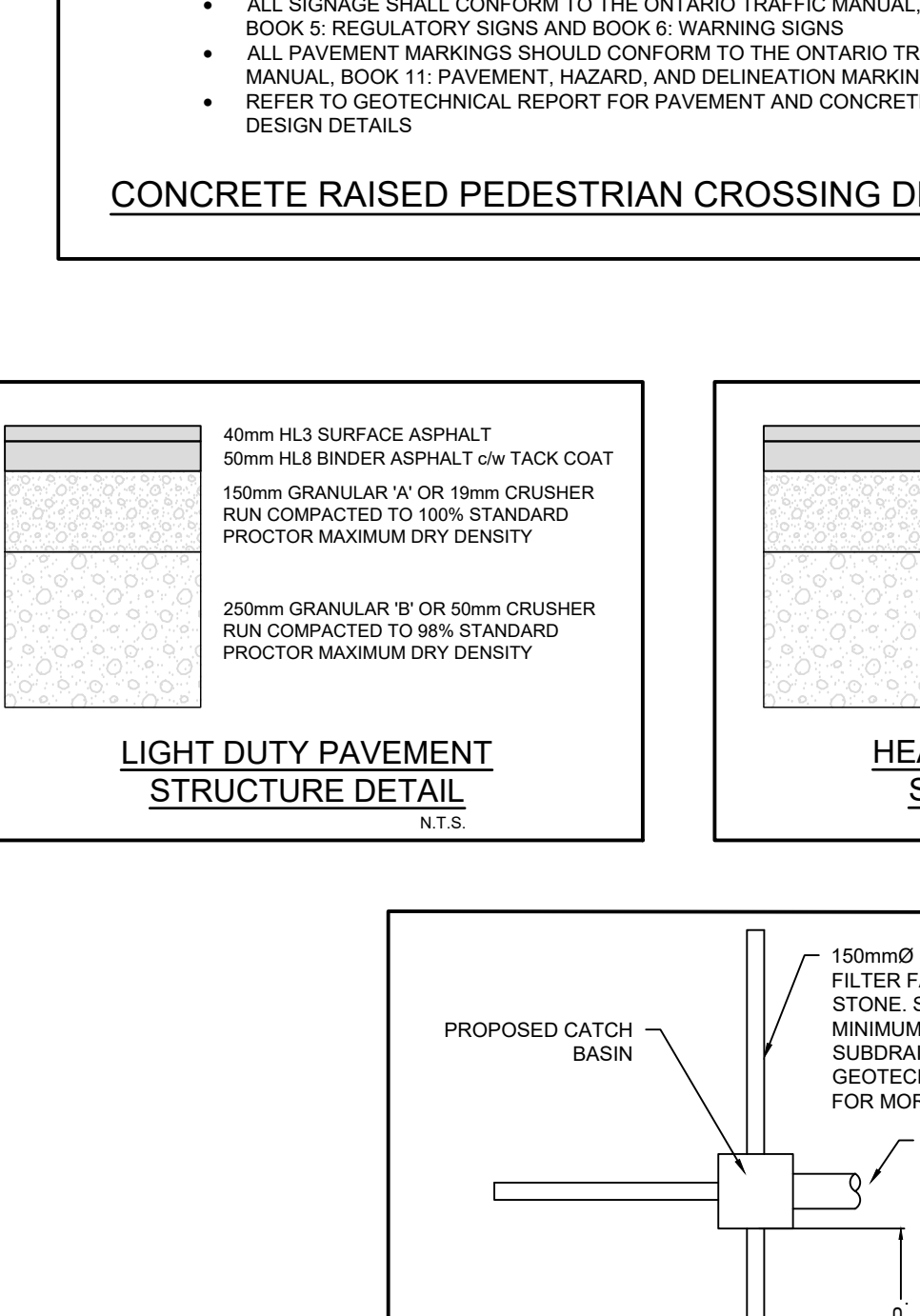
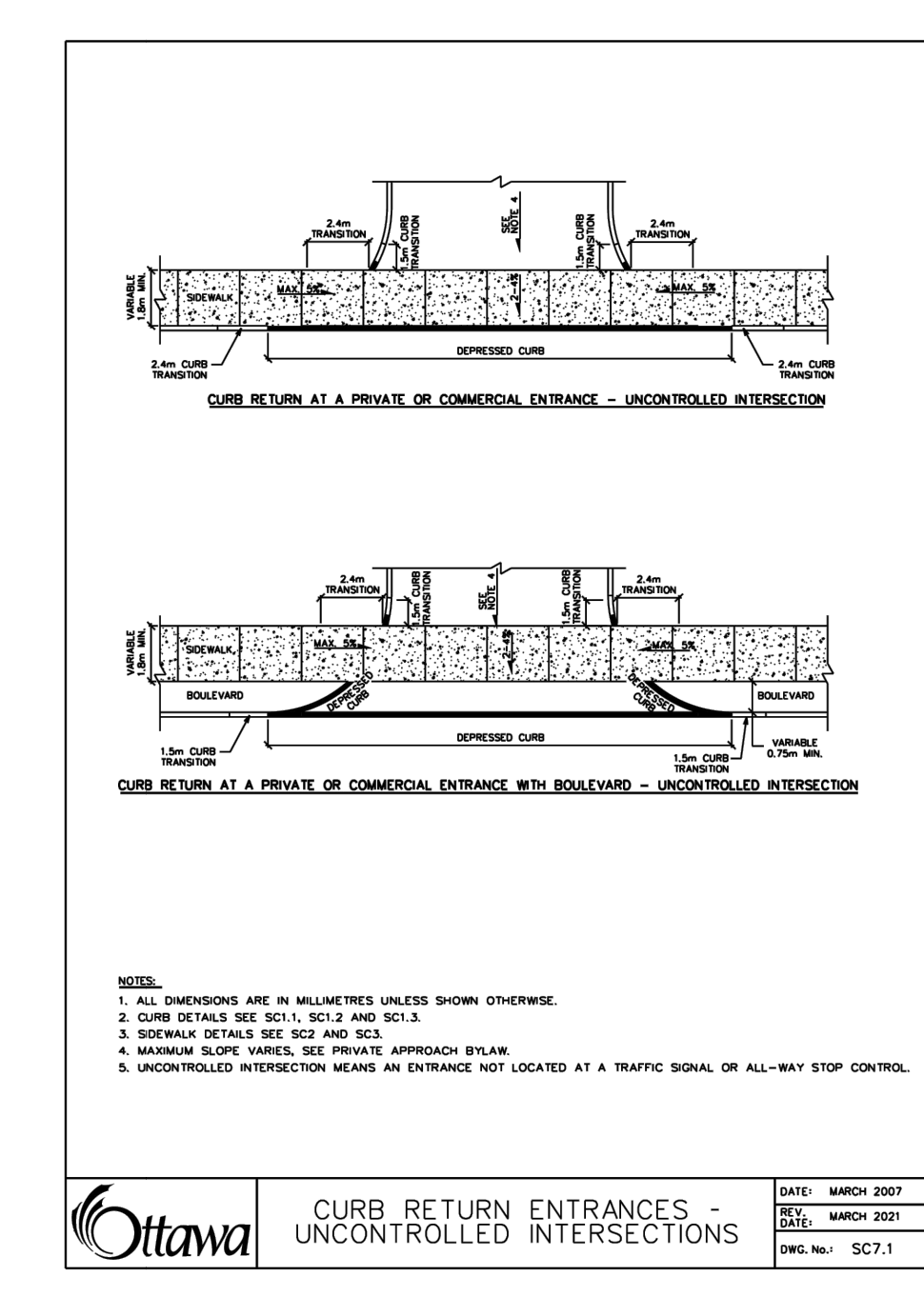
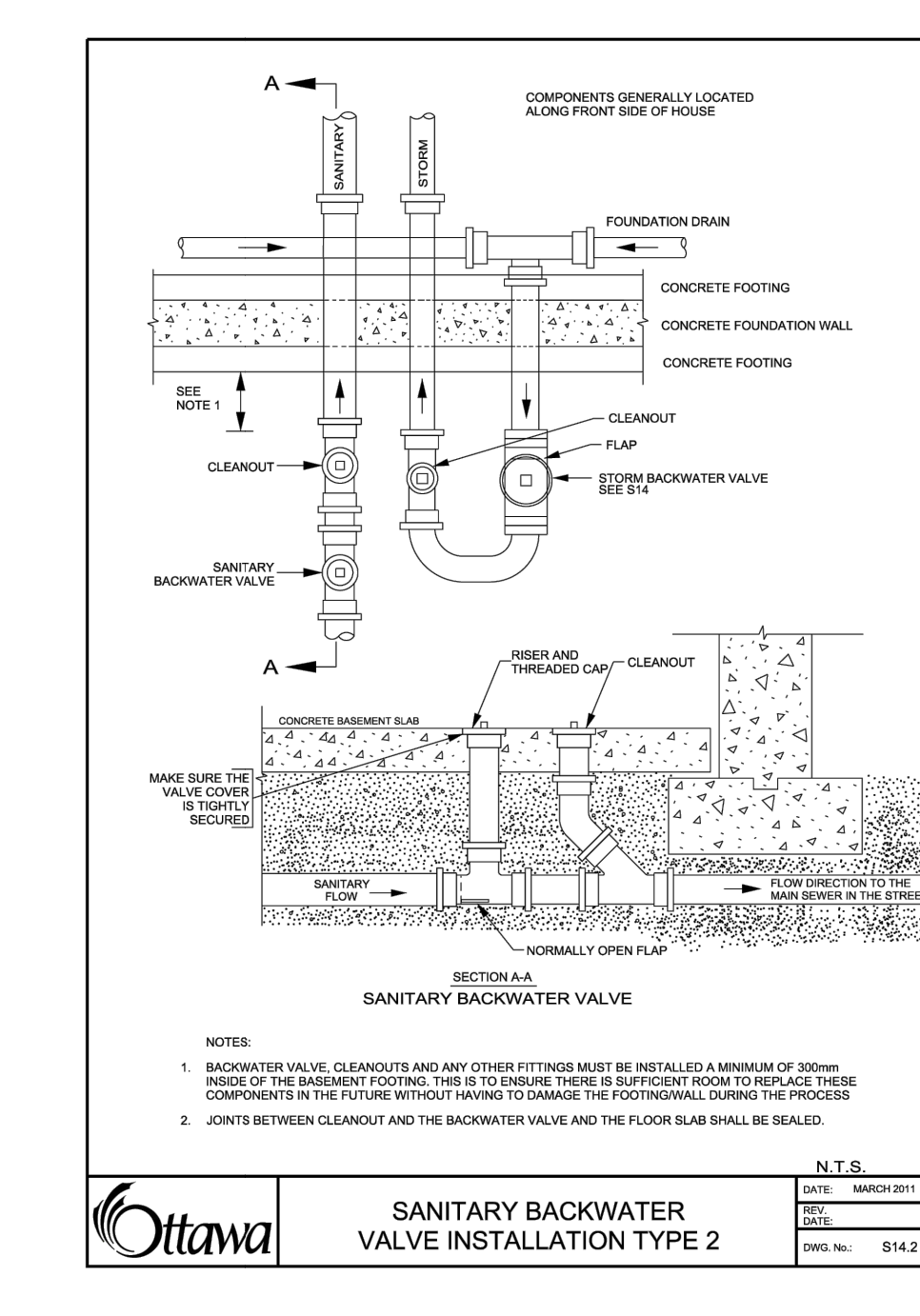
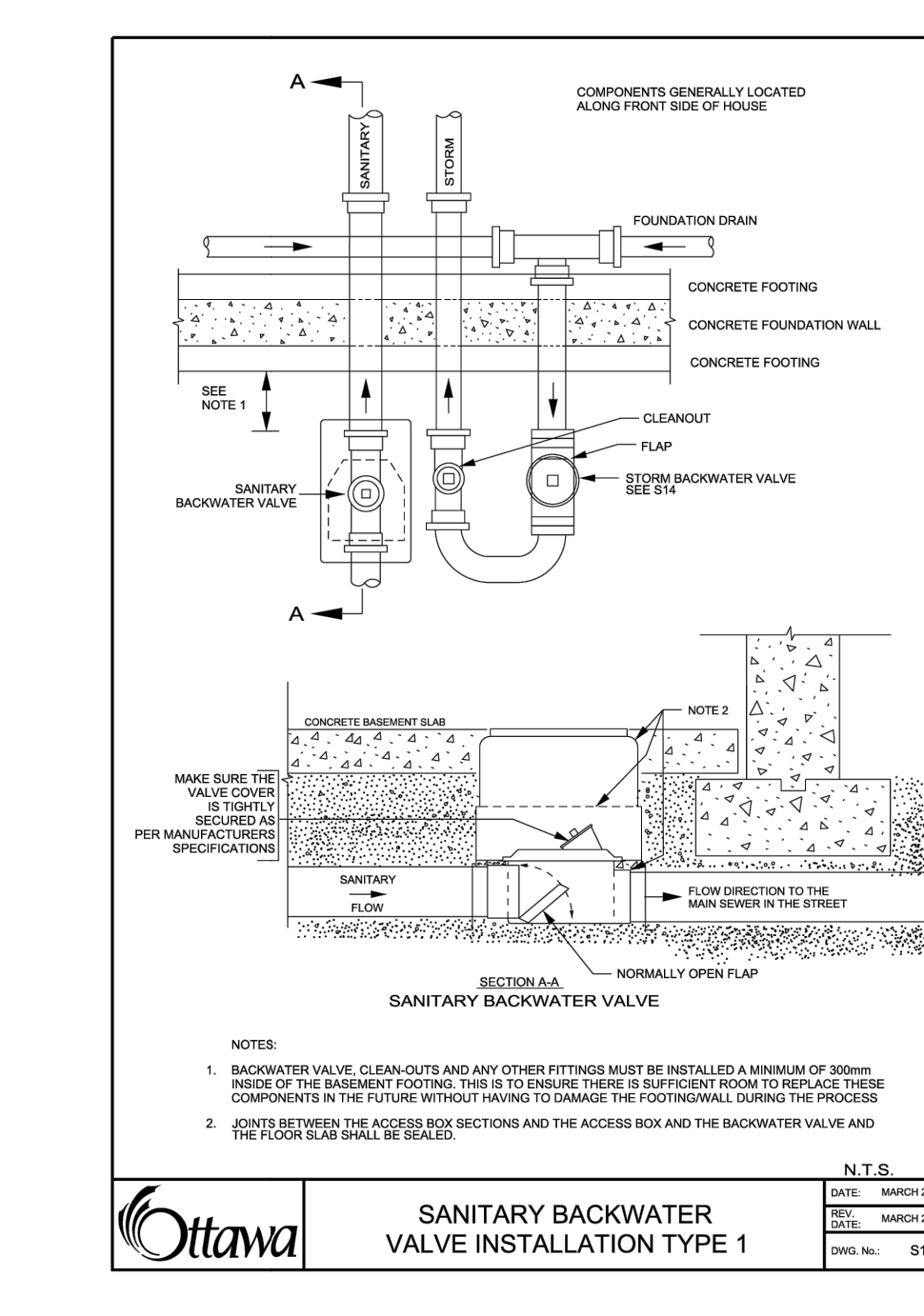
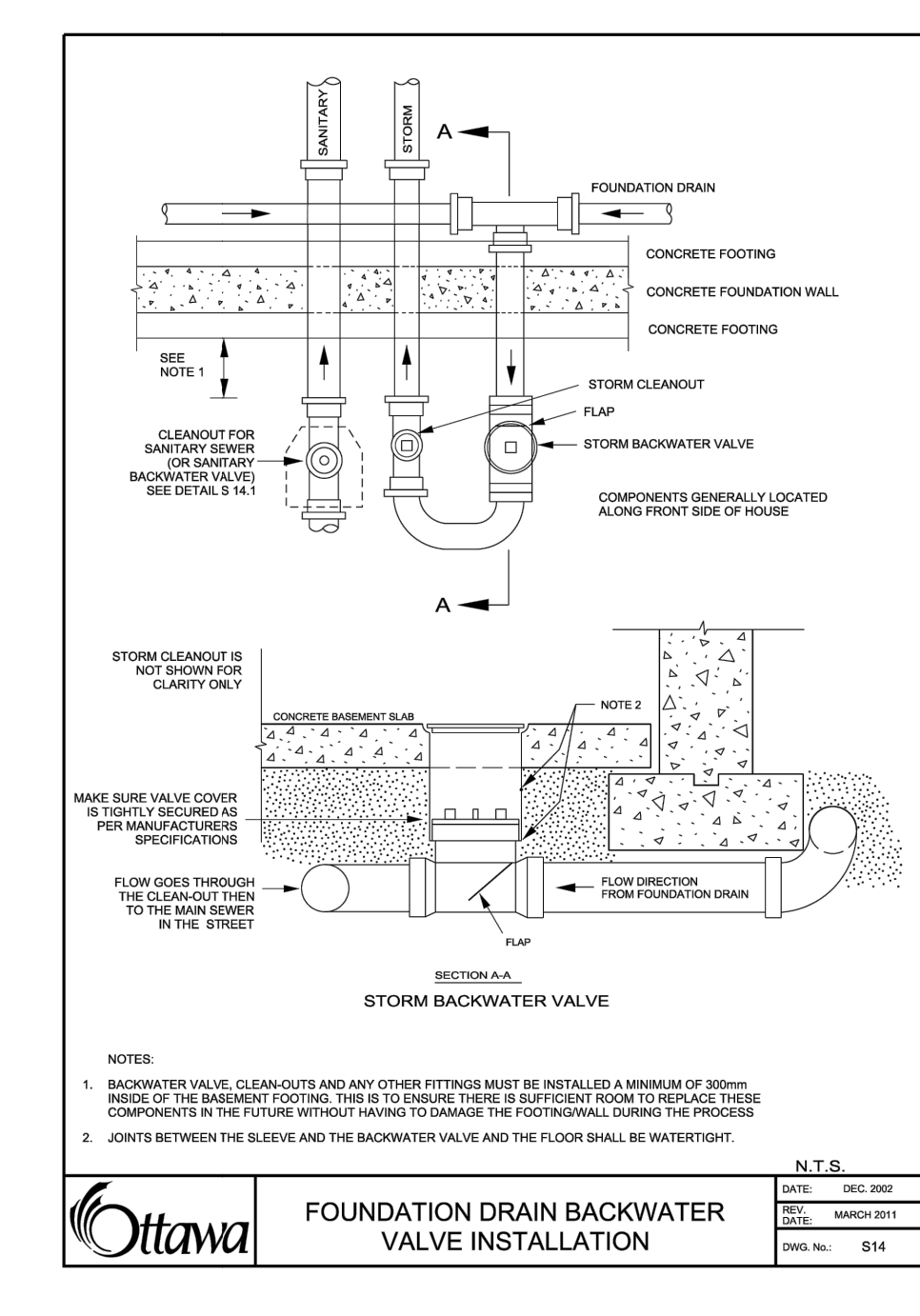
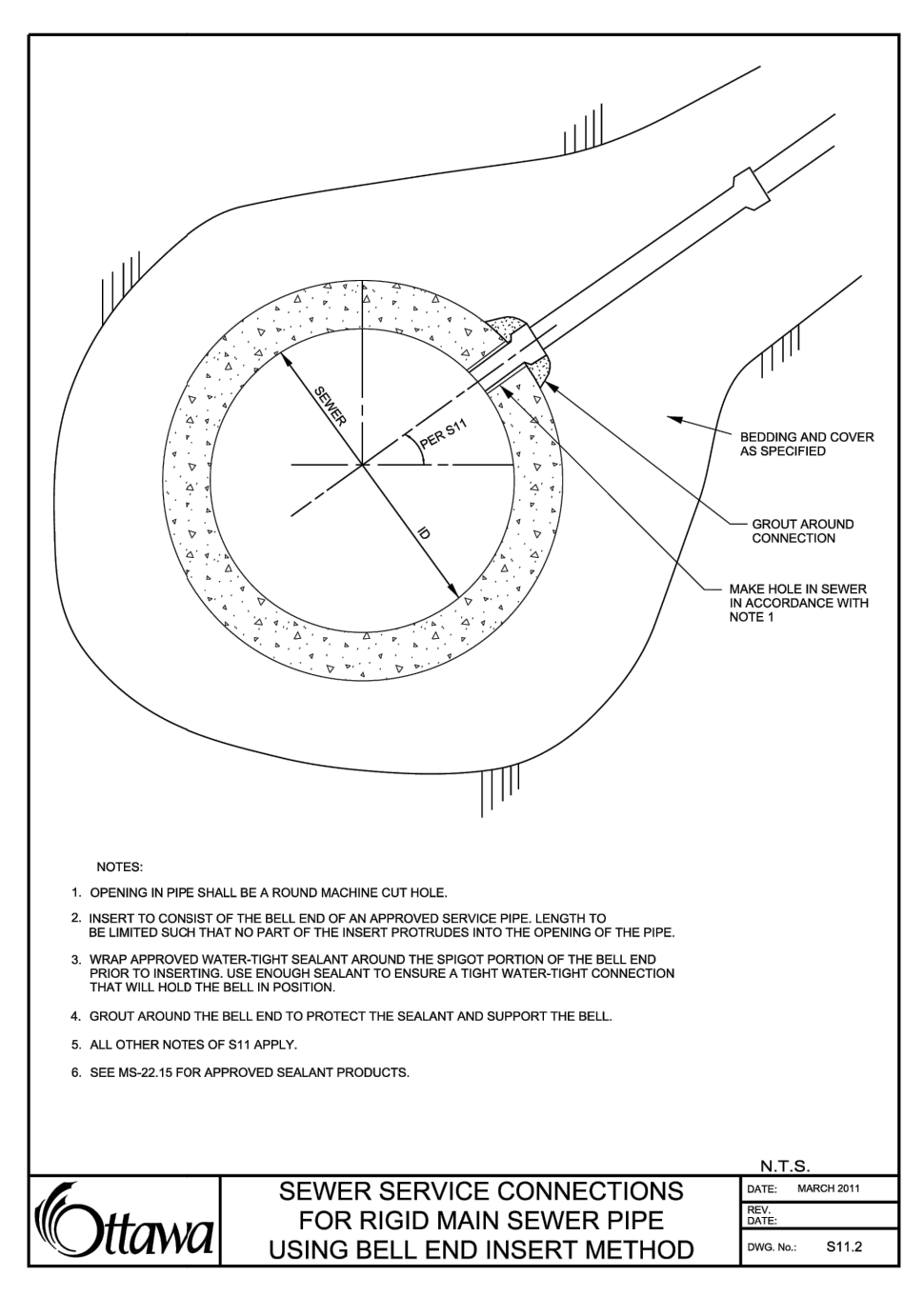
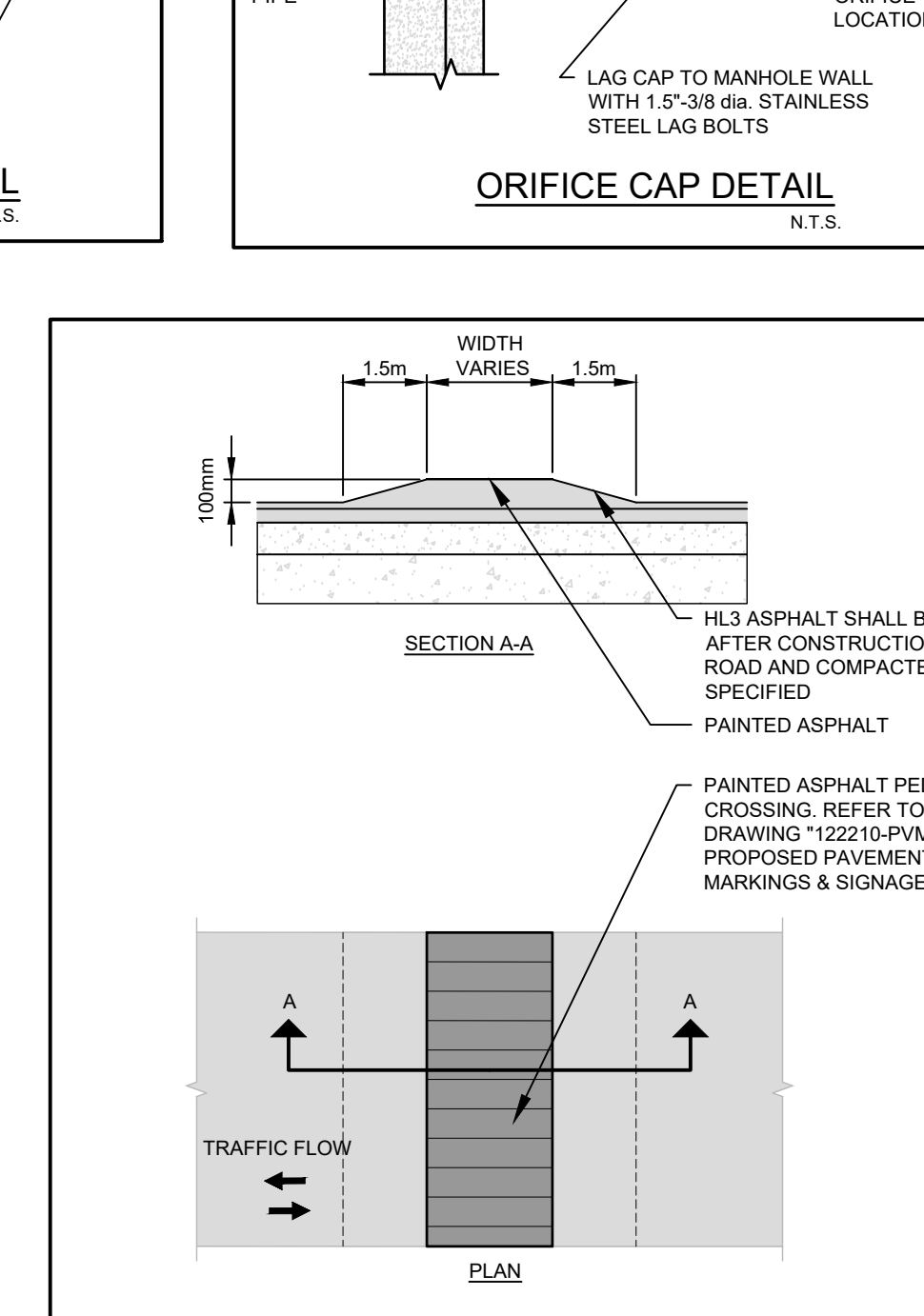
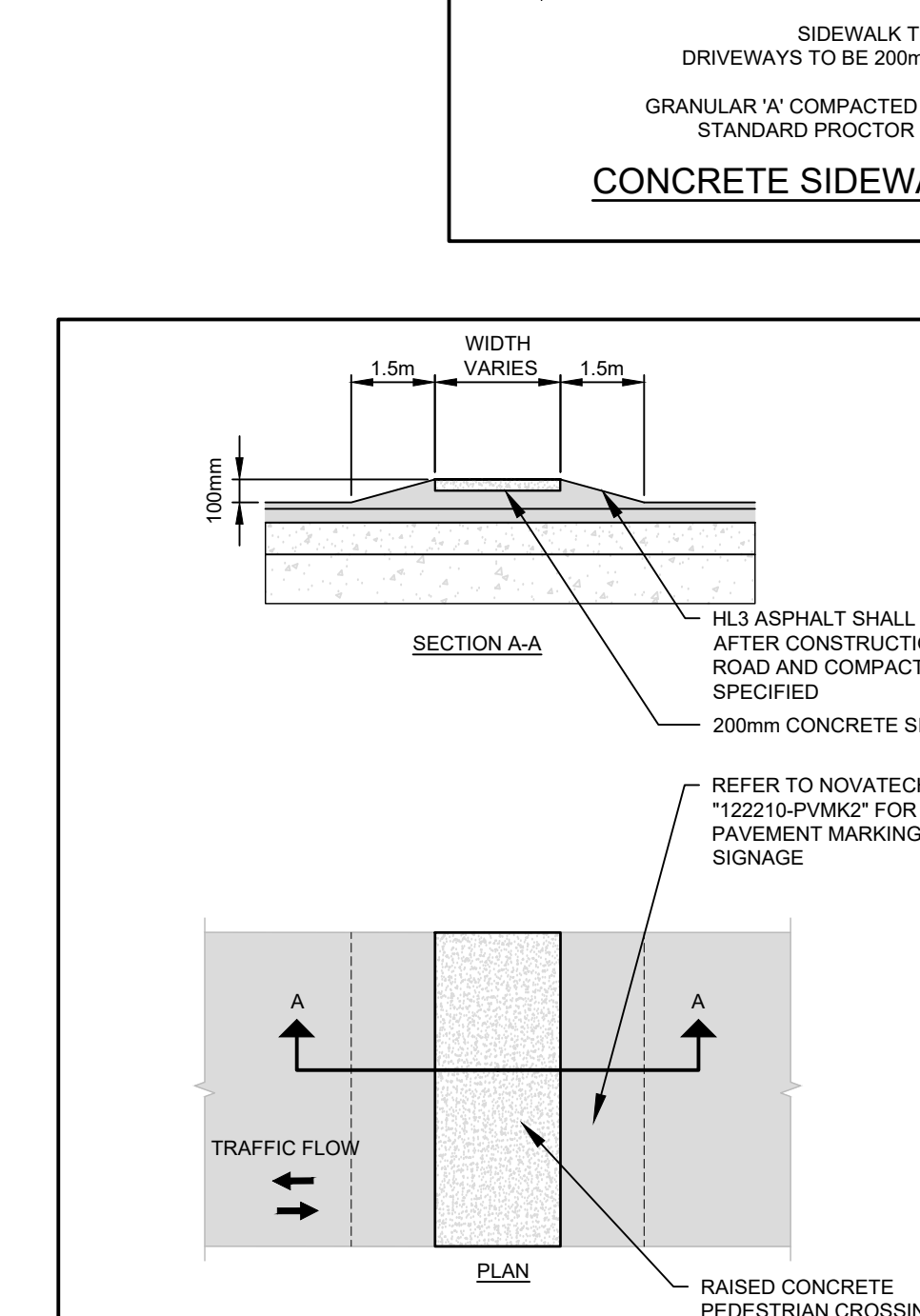
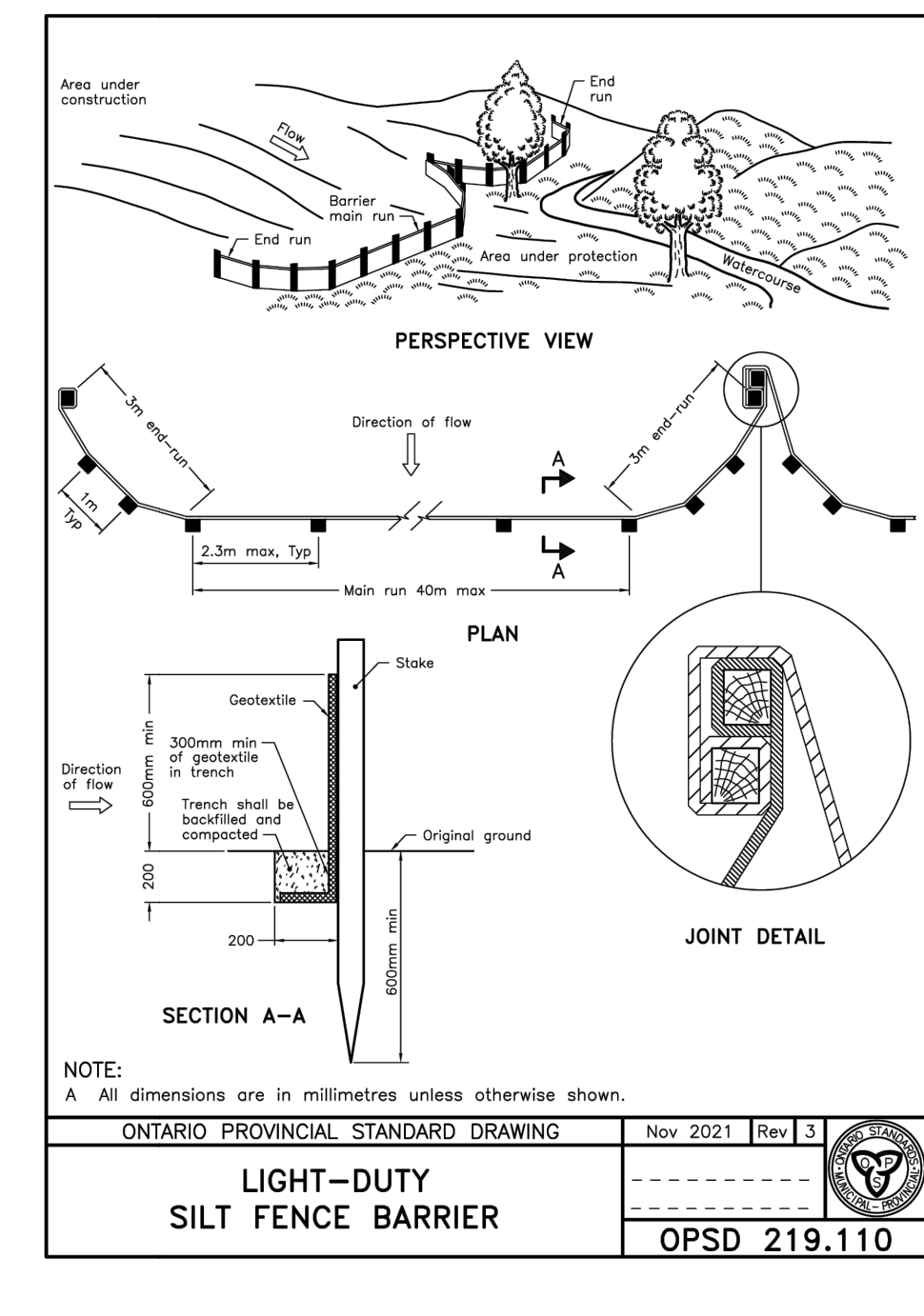
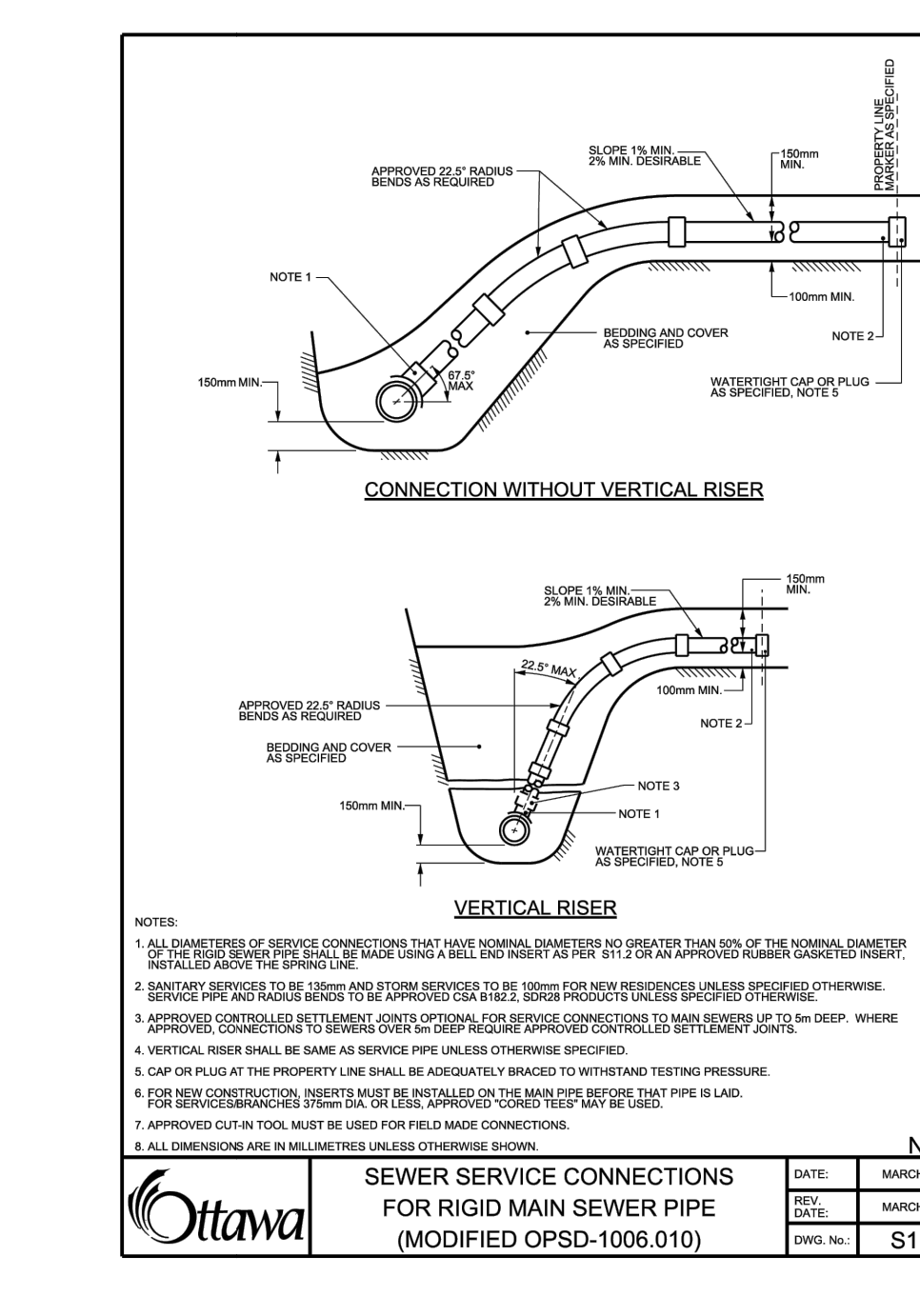
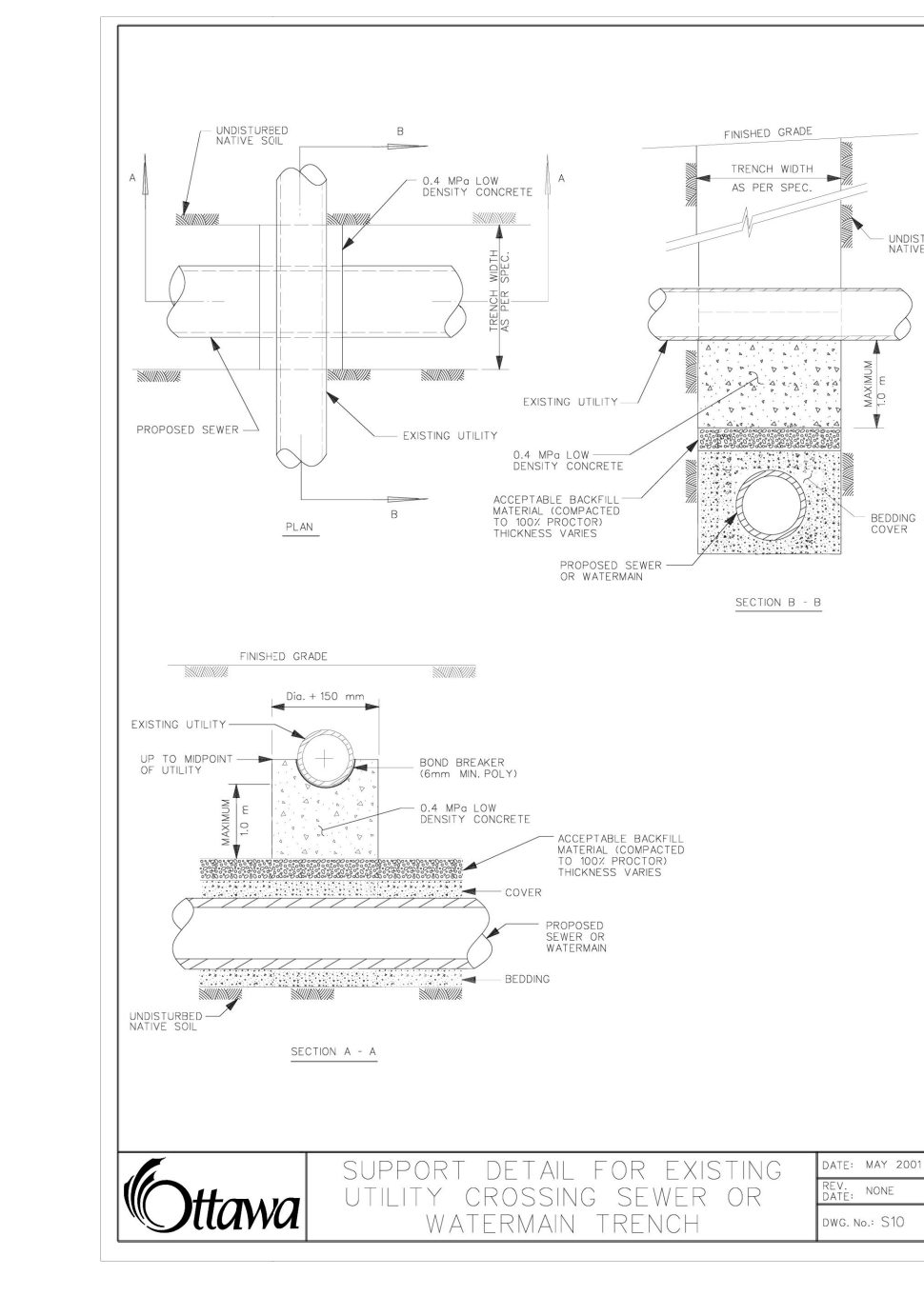
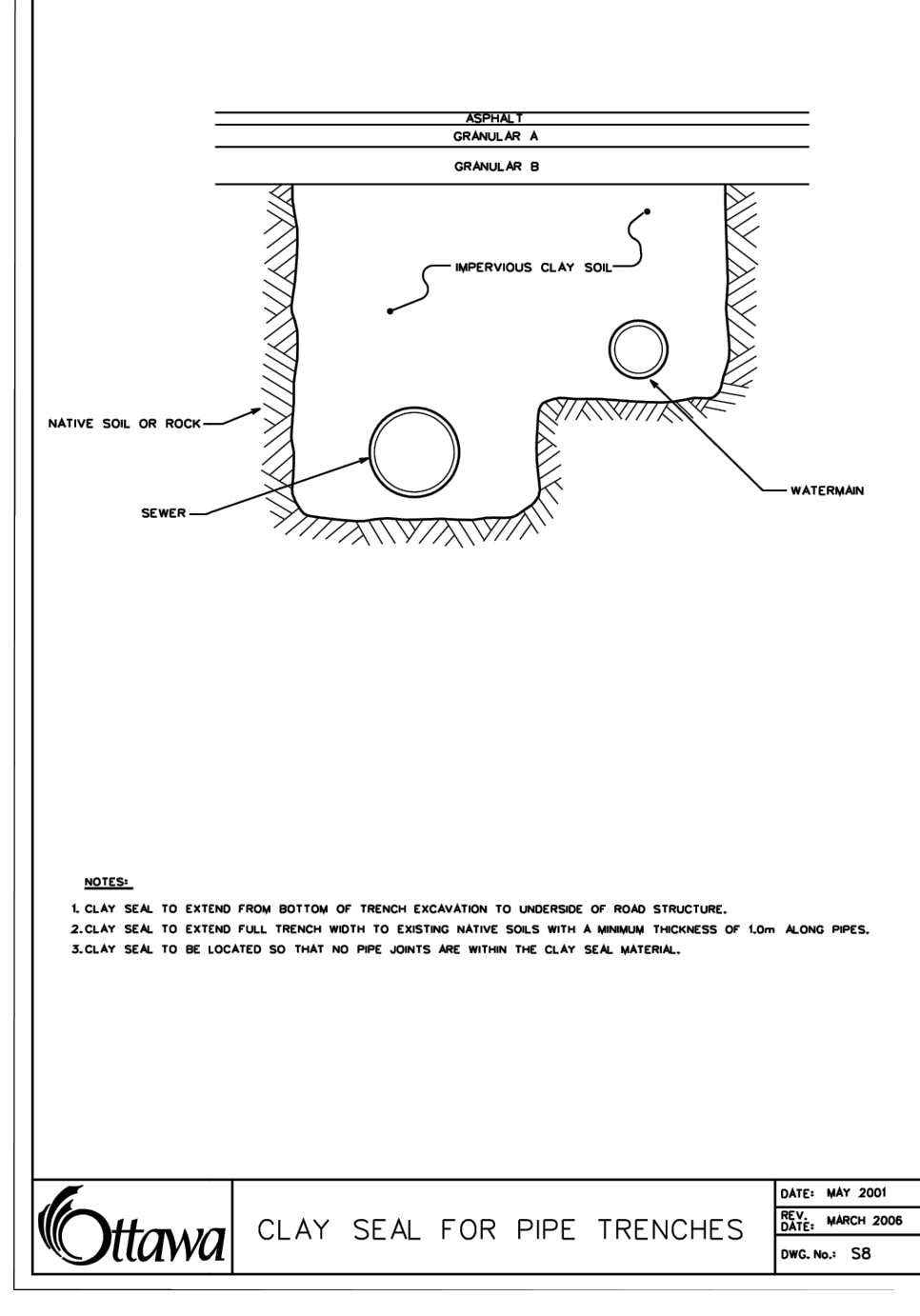
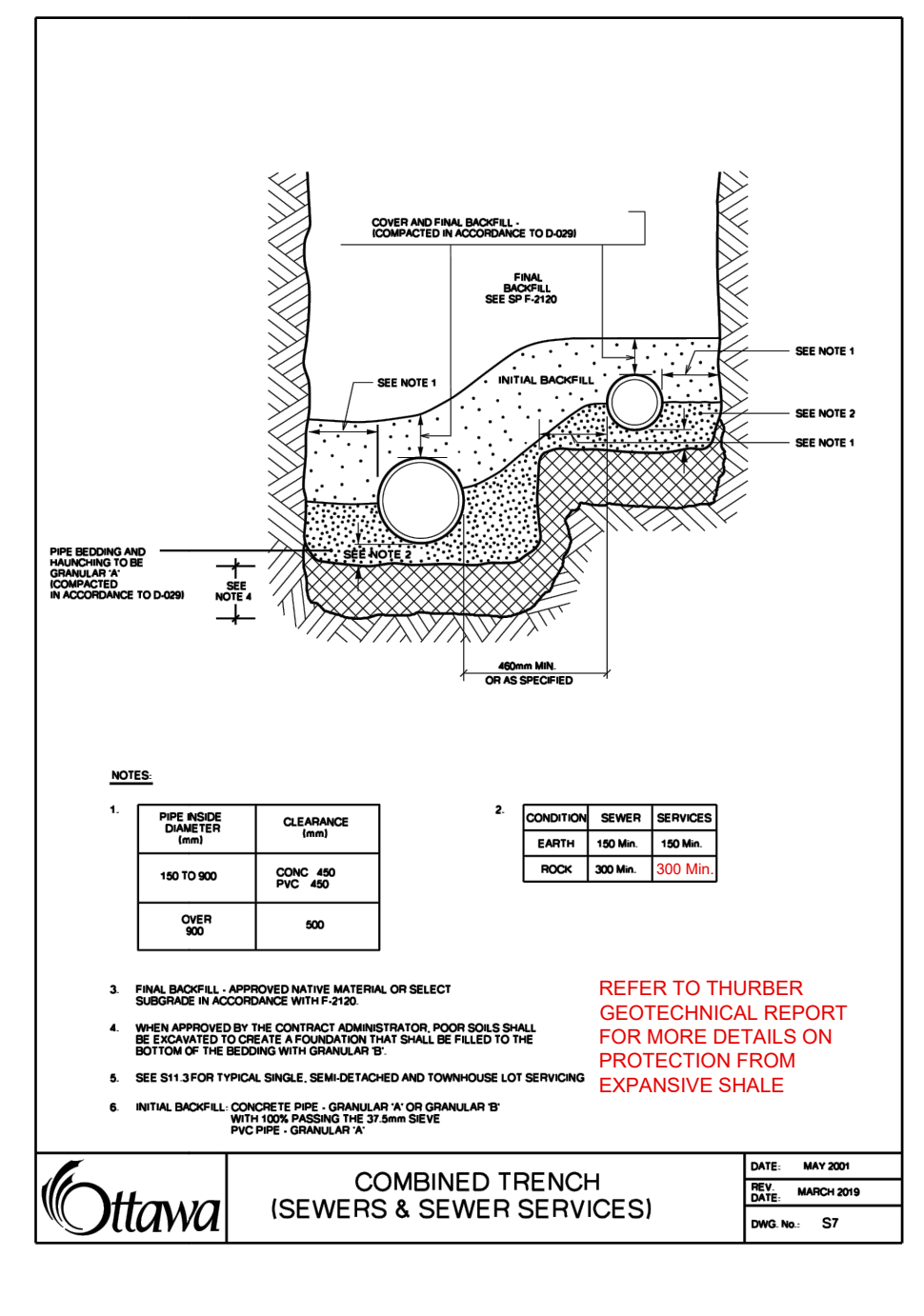
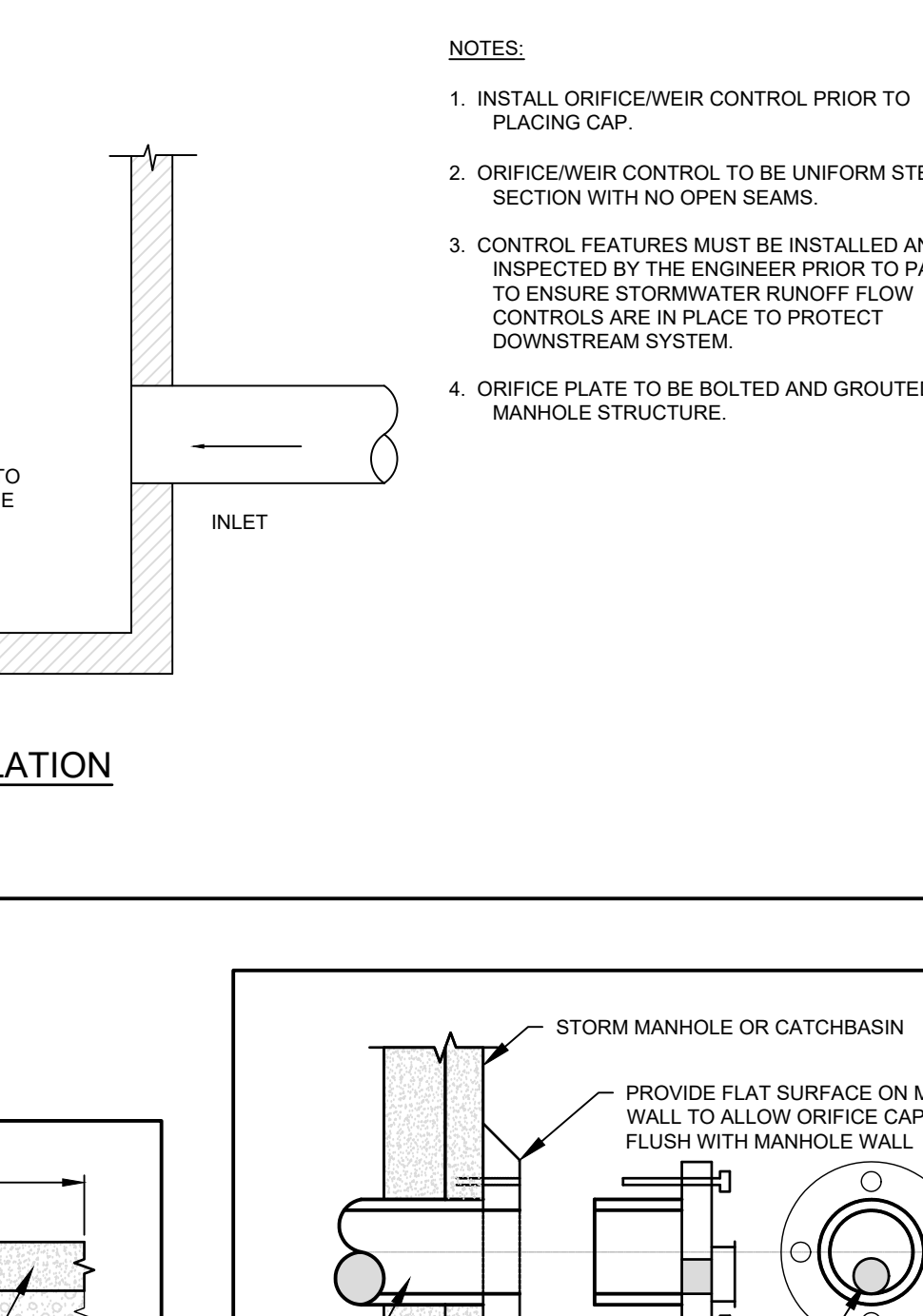
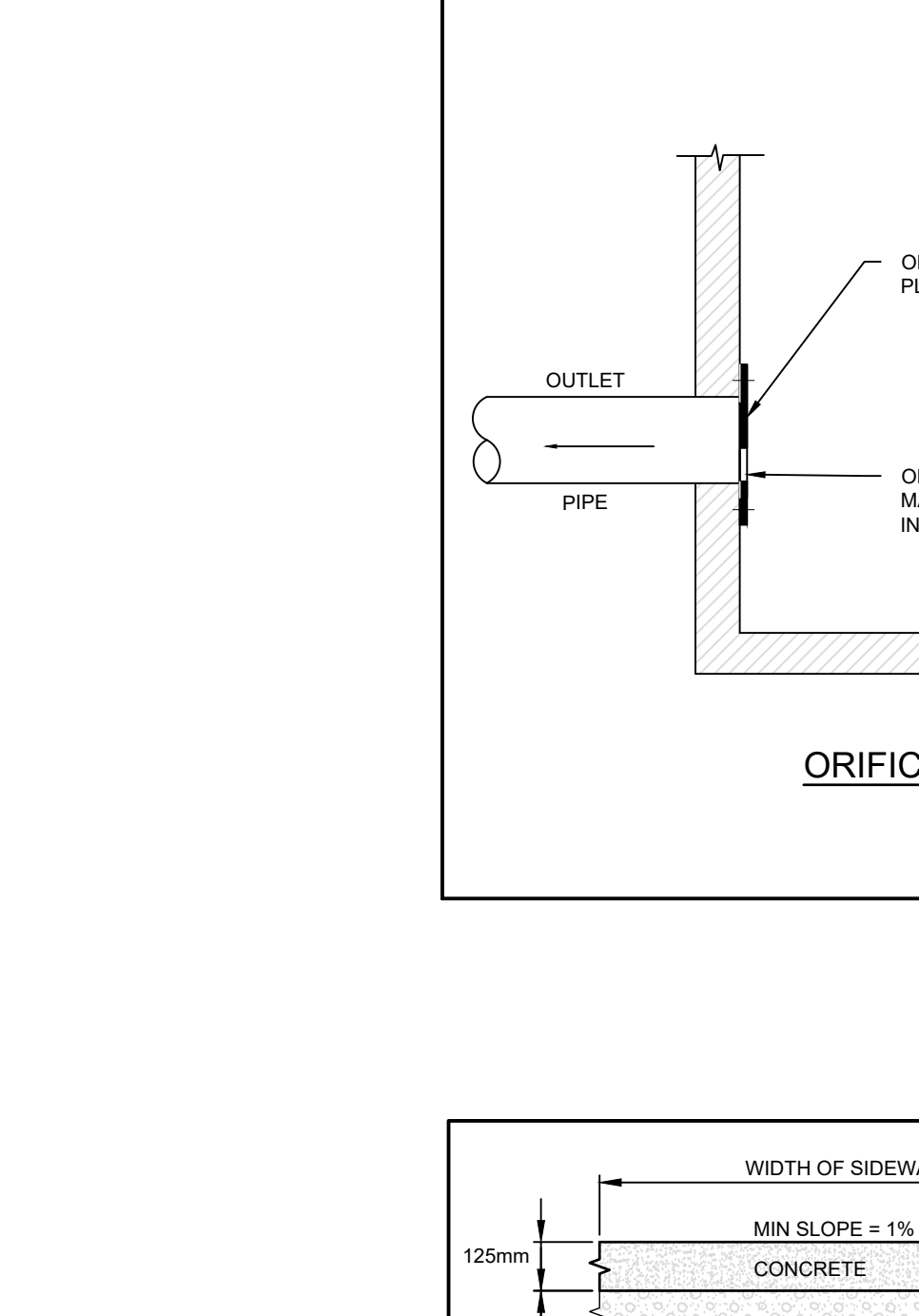
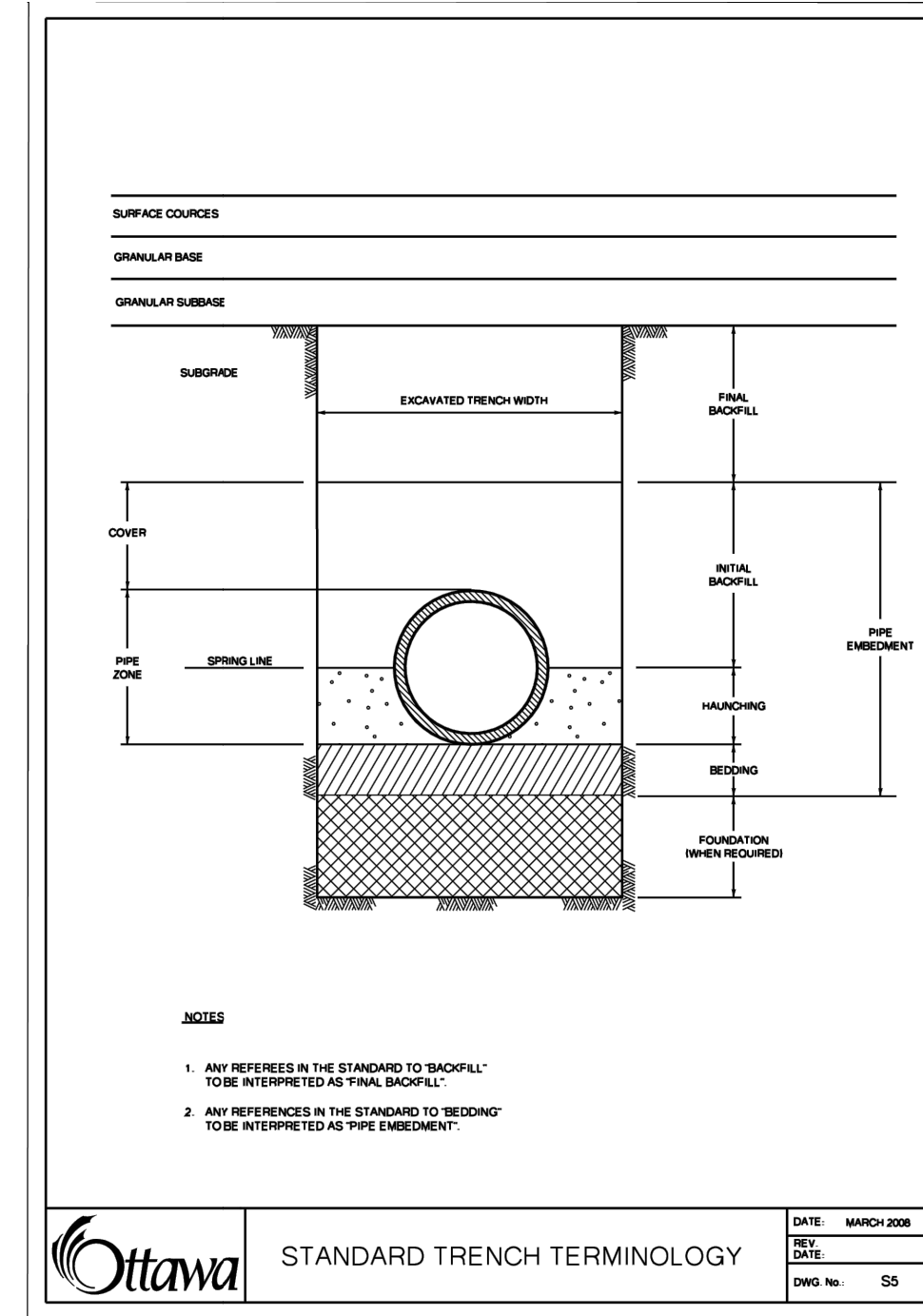
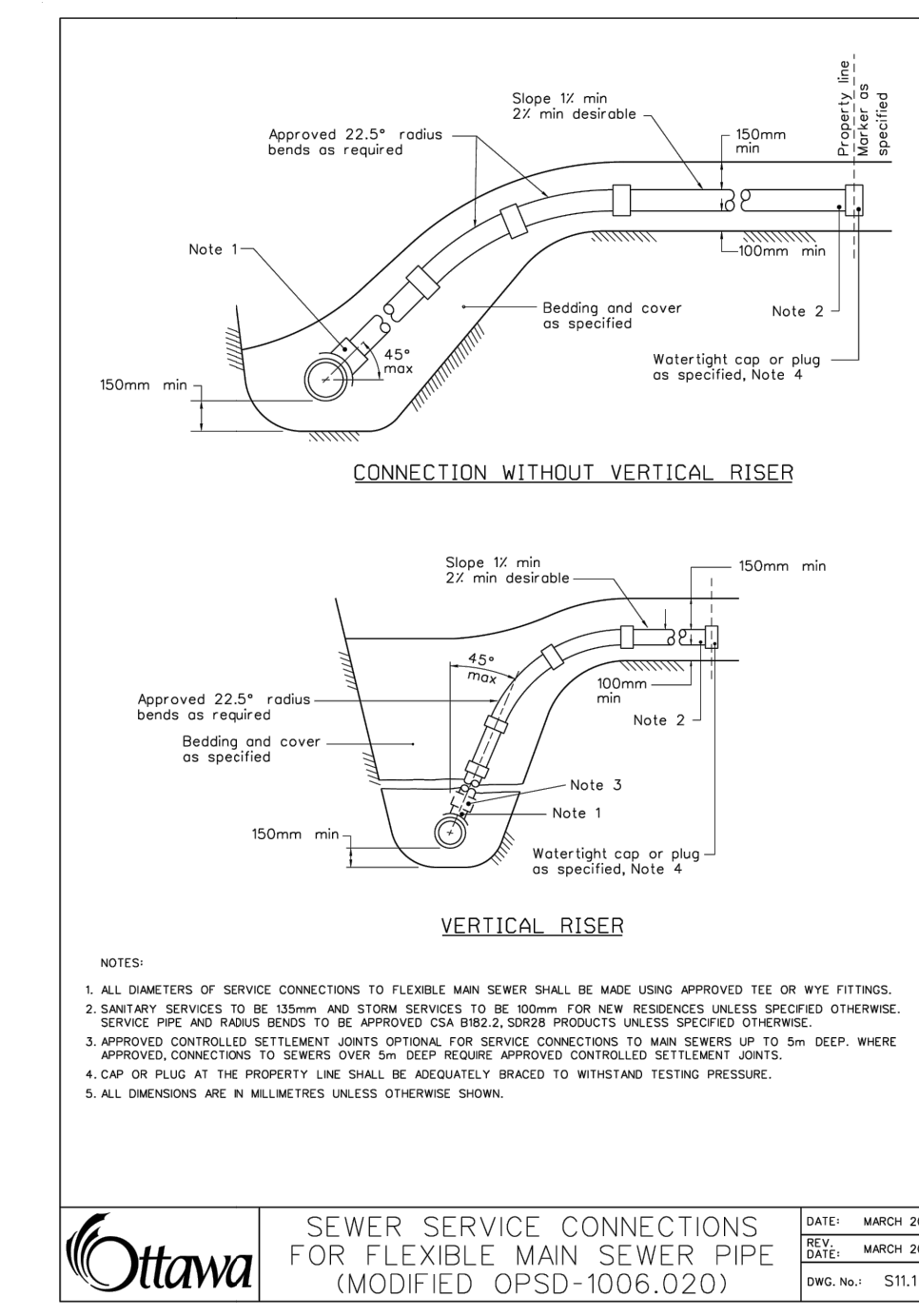
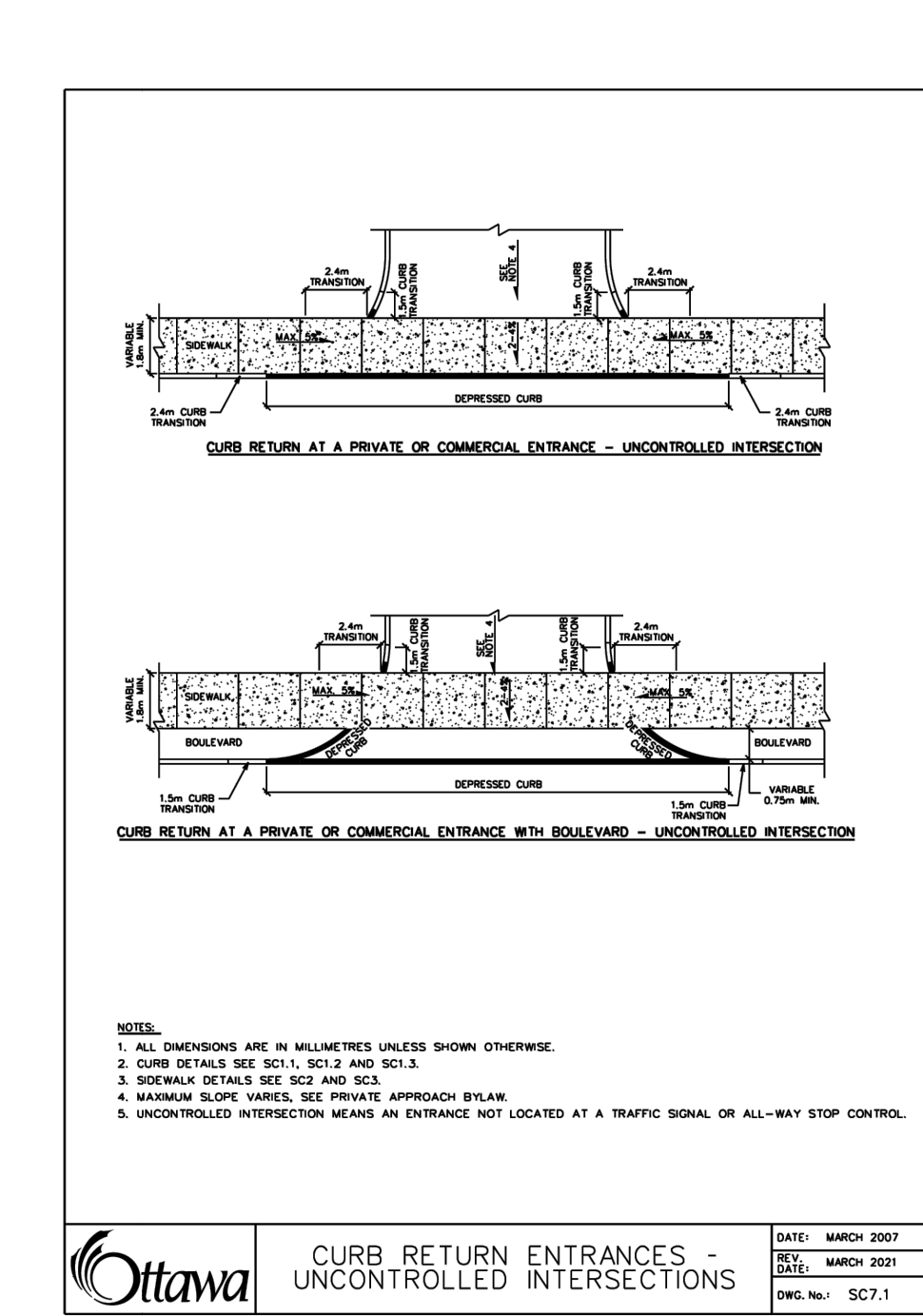
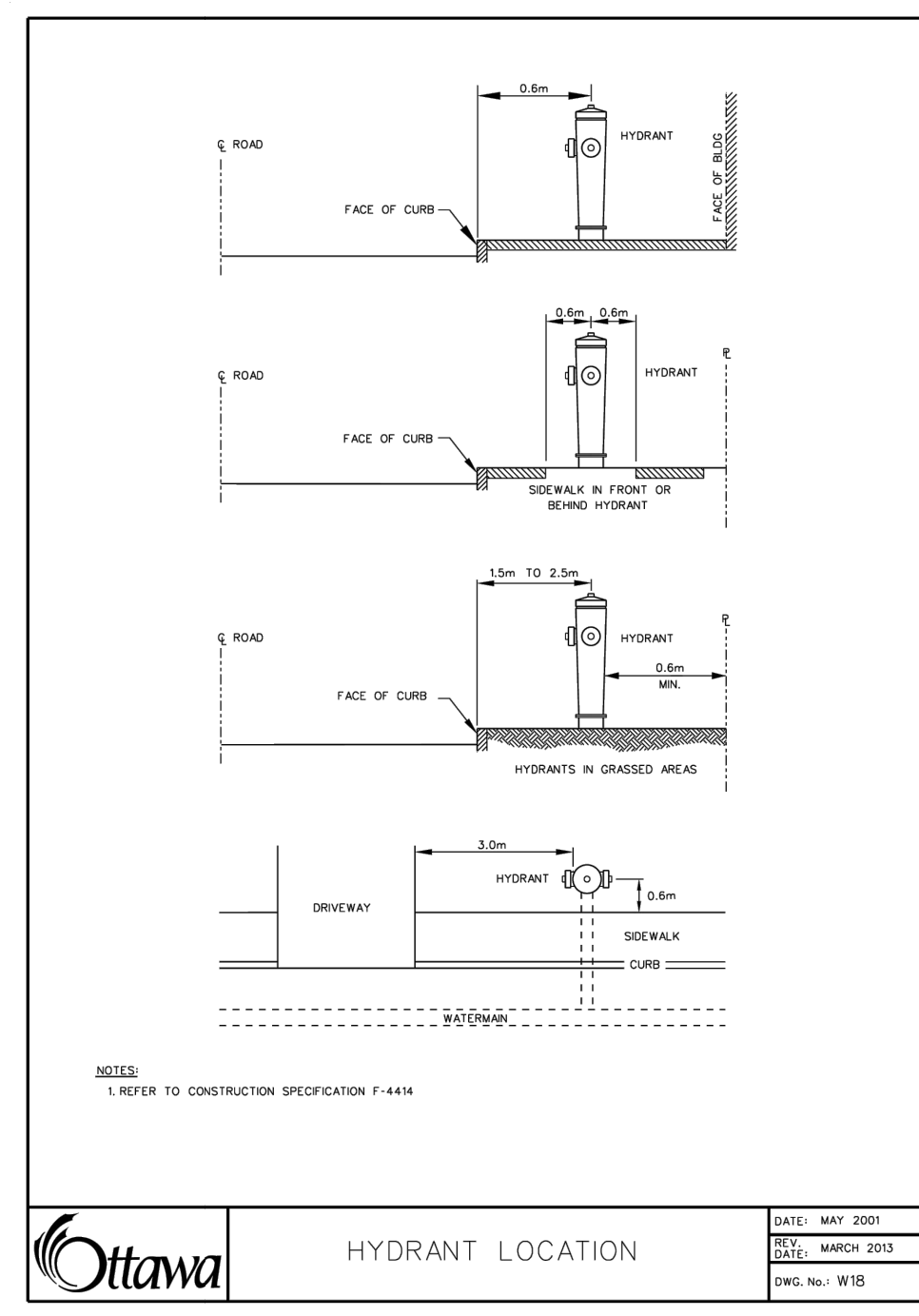
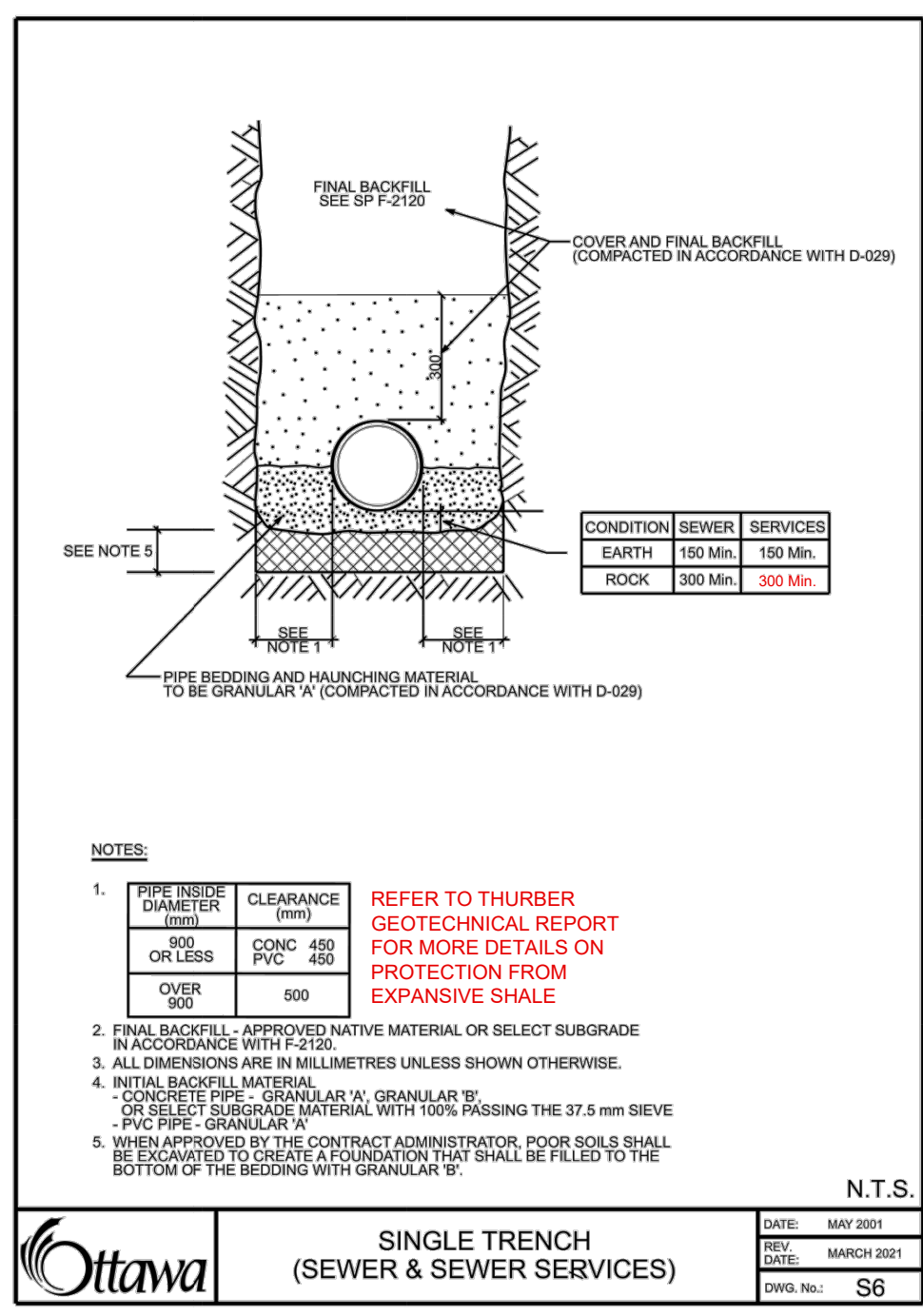
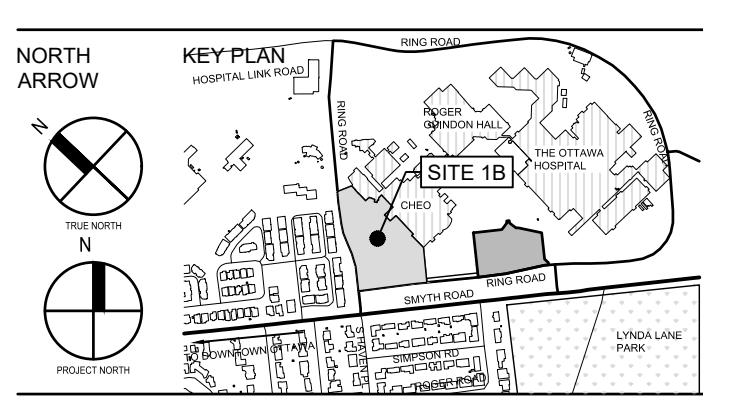
REPRODUCTION OF THESE DRAWINGS FOR ANY PURPOSES OTHER THAN AUTHORIZED BY THE ORIGINAL DESIGNER IS STRICTLY PROHIBITED. THE USER SHALL BE RESPONSIBLE FOR ALL AMENDMENTS AND CORRECTIONS ON THE JOB AND NOTIFY THE ORIGINAL DESIGNER OF ANY SUCH AMENDMENTS AND CORRECTIONS ON DRAWINGS TO BE TRACED.
 COPYRIGHT © 2023 WalterFedy

Licensed Professional Engineer
 S. L. FORBES
 770057
 2024-08-22
 PROVINCE OF ONTARIO

CLIENT:
1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE
 401 SMYTH RD, OTTAWA, ON K1R1L1

TITLE:
TYPICAL DETAILS AND NOTES PLAN

SCALE: AS NOTED
 DRAWN BY: DL_ZS
 REVIEWED BY: SF
 JOB NUMBER: 2021-0821-13
 PLOT DATE: 2024.08.19
 DRAWING NUMBER: C0008
 PLAN #: 18912
 DEVELOPMENT #: D07-12-22-0170



ISSUED FOR BUILDING PERMIT
ISSUED FOR SITE PLAN CONTROL
ISSUED FOR 50% CD SUBMISSION
ISSUED FOR 100% CD SUBMISSION R2
ISSUED FOR FOUNDATION PERMIT
ISSUED FOR 100% DD SUBMISSION
ISSUED FOR BUILDING PERMIT (TUNNEL)
ISSUED FOR BUILDING PERMIT (TUNNEL)
RE-ISSUED FOR 50% DD SUBMISSION
ISSUED FOR 50% DD SUBMISSION

DATE: 2024-08-22
REVISION: 7070557

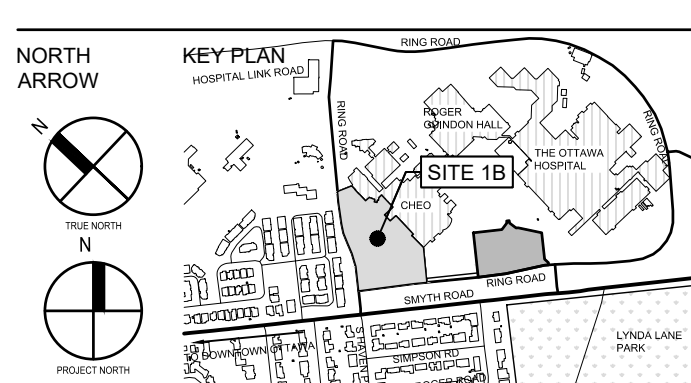
PROFESSIONAL ENGINEER
S. L. LORRILL
7070557
PROVINCE OF ONTARIO

CLIENT:
1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE
401 BAYVIEW RD. OTTAWA, ON K1M1L1

TITLE:
TYPICAL DETAILS AND NOTES PLAN

SCALE: AS NOTED
DRAWN BY: DL_ZS
REVIEWED BY: SF
JOB NUMBER: 2021-0821-13
PLOT DATE: 2024-08-19
DRAWING NUMBER: C0009

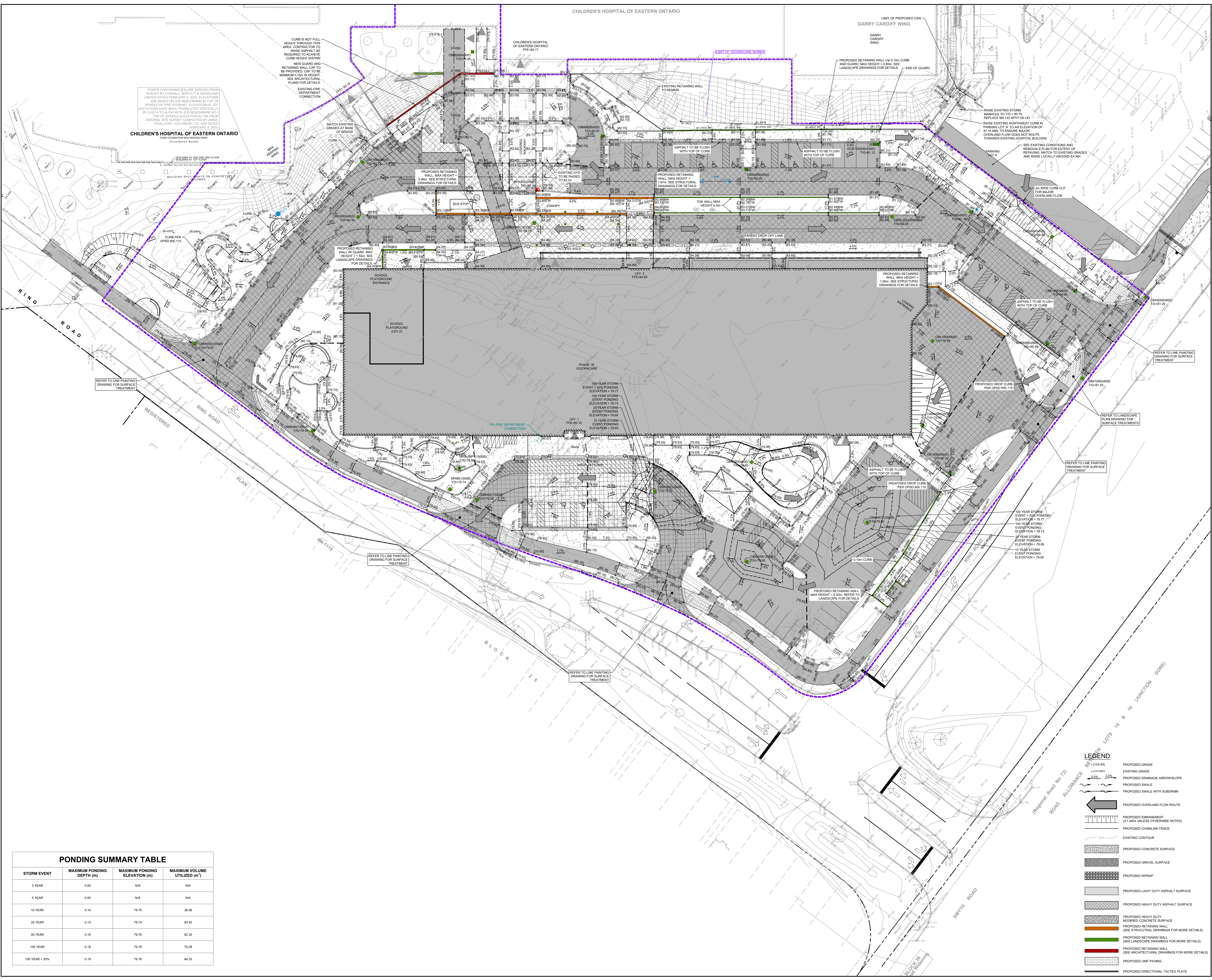
PLAN # 18912
DEVELOPMENT # D07-12-22-0170



- GENERAL NOTES**
- THIS SET OF PLANS SHALL NOT BE USED FOR CONSTRUCTION UNTIL STAMPED BY THE DESIGN ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.
 - NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
 - THIS PLAN NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF WALTERFEDY.
 - THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SERVICES AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
 - ANY AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CORNER TANT AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO MUNICIPAL STANDARDS.
 - ALL HEALTH AND SAFETY RELATED SIGNAGE MUST BE POSTED AT THE SITE AS REQUIRED BY APPLICABLE LAW AND BEST MANAGEMENT PRACTICES.
 - AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CONSULTANT WITH A DIGITAL FILE OF AS-CONSTRUCTED DRAWINGS. THE DRAWINGS MUST REFLECT THE CONSTRUCTED STATE OF THE WORK. SUBMISSION OF UNALTERED DESIGN DRAWINGS AND CONTRACT CHANGES WILL NOT BE ACCEPTED.

POINTS CONTAINING (E) ARE DERIVED FROM SURVEY BY PARSONS BRINCKERHOFF & ASSOCIATES LIMITED DATED FEBRUARY 5, 2024. ELEVATIONS ARE BASED ON JOB BENCHMARK TOP OF SPINDLE OF FIRE HYDRANT. ELEVATION=7.707. ELEVATIONS HAVE BEEN TRANSFERRED VERTICALLY BY 0.027m TO ALIGN WITH JOB BENCHMARK NO.3. TOP OF SPINDLE ELEVATION=794.83m FROM ORIGINAL SITE SURVEY COMPLETED BY ANNEC CONSULTING INC. (KITCHENER, ONT.) AND DATED FEBRUARY 4, 2020.

CHILDREN'S HOSPITAL OF EASTERN ONTARIO
(Foundation Needs)



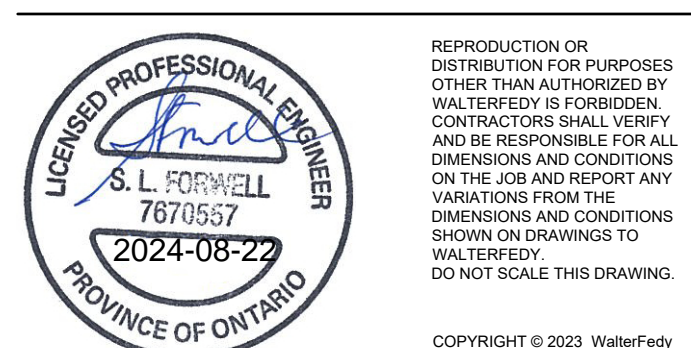
PONDING SUMMARY TABLE

STORM EVENT	MAXIMUM PONDING DEPTH (m)	MAXIMUM PONDING ELEVATION (m)	MAXIMUM VOLUME UTILIZED (m ³)
2 YEAR	0.00	N/A	N/A
5 YEAR	0.00	N/A	N/A
10 YEAR	0.10	79.70	38.96
25 YEAR	0.13	79.73	50.45
50 YEAR	0.16	79.76	62.35
100 YEAR	0.18	79.78	70.28
100 YEAR + 20%	0.19	79.79	84.33

LEGEND

- PROPOSED GRADE (1:12.4:1)
- EXISTING GRADE
- PROPOSED DRAINAGE ARROWS/SLOPE (2.0% - 3.0%)
- PROPOSED SWALE
- PROPOSED SWALE WITH SUBDRAIN
- PROPOSED OVERLAND FLOW ROUTE
- PROPOSED CHAINLINK FENCE (3.1 MAX UNLESS OTHERWISE NOTED)
- EXISTING CONTOUR
- PROPOSED CONCRETE SURFACE
- PROPOSED GRAVEL SURFACE
- PROPOSED RIPRAP
- PROPOSED LIGHT DUTY ASPHALT SURFACE
- PROPOSED HEAVY DUTY ASPHALT SURFACE
- PROPOSED HEAVY DUTY MODIFIED CONCRETE SURFACE
- PROPOSED RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR MORE DETAILS)
- PROPOSED RETAINING WALL (SEE ARCHITECTURAL DRAWINGS FOR MORE DETAILS)
- PROPOSED UNIT PAVING
- PROPOSED DIRECTIONAL TACTILE PLATE

- 9/24/09/23 ISSUED FOR BUILDING PERMIT
- 8/24/09/23 ISSUED FOR SITE PLAN CONTROL
- 7/24/09/07 ISSUED FOR 50% CD SUBMISSION
- 6/24/09/03 ISSUED FOR 100% CD SUBMISSION R2
- 5/24/05/10 ISSUED FOR FOUNDATION PERMIT
- 4/24/04/19 ISSUED FOR 100% DD SUBMISSION
- 3/24/01/24 RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
- 2/23/12/00 ISSUED FOR BUILDING PERMIT (TUNNEL)
- 1/23/12/15 RE-ISSUED FOR 50% DD SUBMISSION
- 0/23/12/15 ISSUED FOR 50% DD SUBMISSION

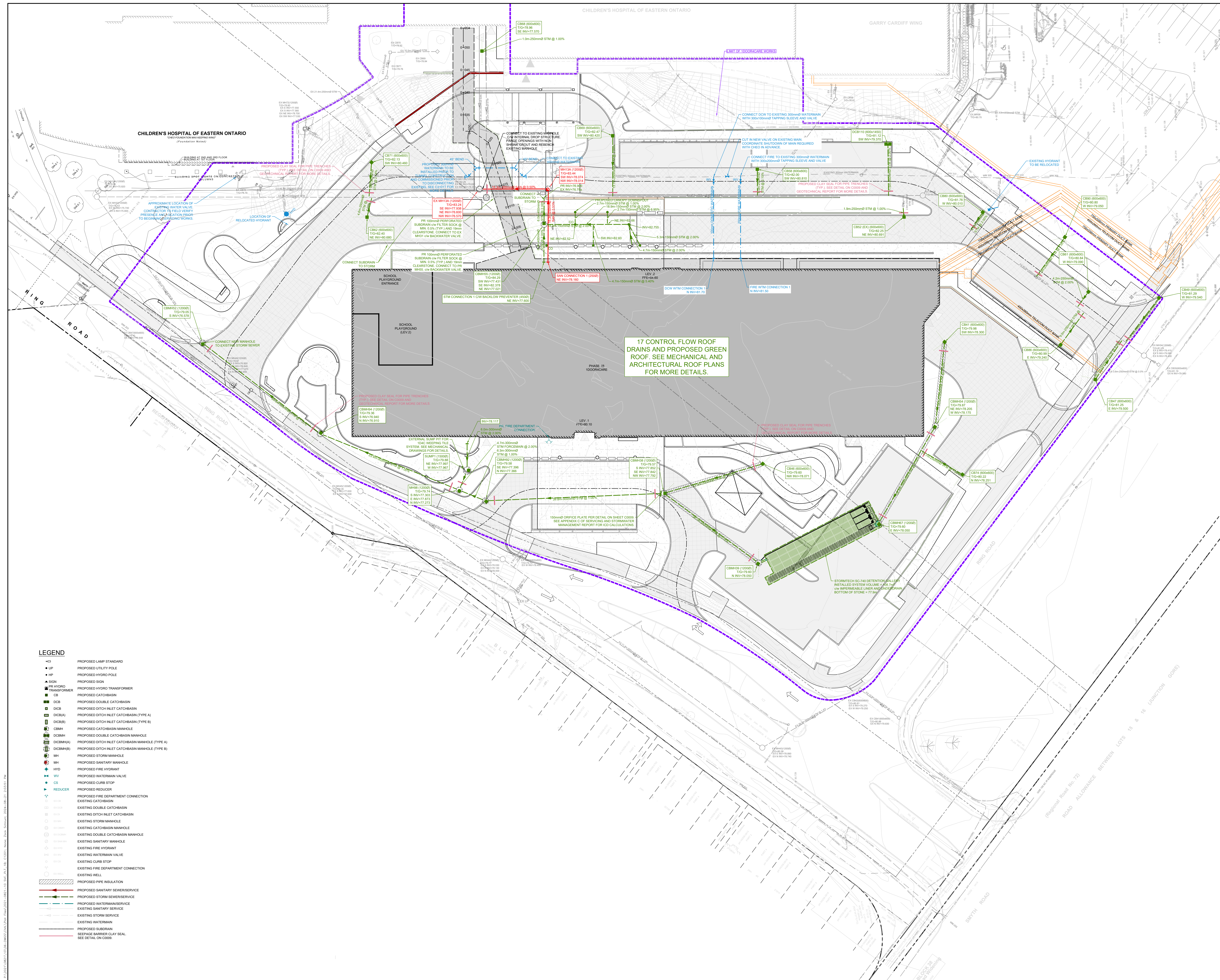
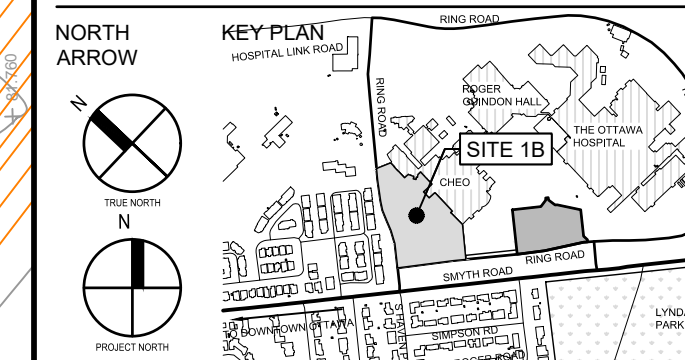


CLIENT: **1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE**
401 SMYTH RD, OTTAWA, ON K1M8L1

TITLE: **PROPOSED GRADING PLAN**

SCALE: 1:250
DRAWN BY: DL_ZS
REVIEWED BY: SF
JOB NUMBER: 2021-0821-13
PLOT DATE: 2024-08-19
DRAWING NUMBER: **C1101**

PLAN # 18912
DEVELOPMENT # D07-12-22-0170

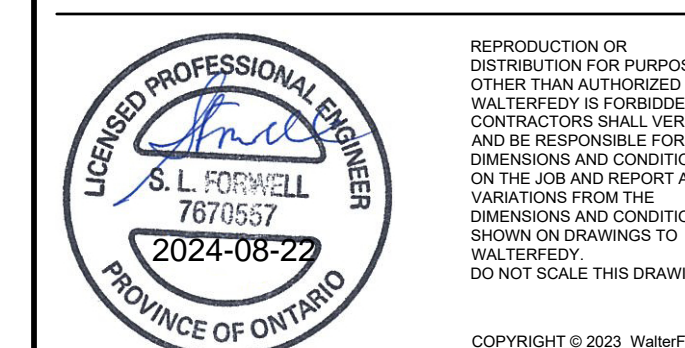


17 CONTROL FLOW ROOF DRAINS AND PROPOSED GREEN ROOF. SEE MECHANICAL AND ARCHITECTURAL ROOF PLANS FOR MORE DETAILS.

LEGEND

PROPOSED LAMP STANDARD	PROPOSED HYDRO TRANSFORMER	PROPOSED HYDRO TRANSFORMER	PROPOSED CATCHBASIN	PROPOSED DOUBLE CATCHBASIN	PROPOSED DITCH INLET CATCHBASIN	PROPOSED DITCH INLET CATCHBASIN (TYPE A)	PROPOSED DITCH INLET CATCHBASIN (TYPE B)	PROPOSED CATCHBASIN MANHOLE	PROPOSED DOUBLE CATCHBASIN MANHOLE	PROPOSED DITCH INLET CATCHBASIN MANHOLE (TYPE A)	PROPOSED DITCH INLET CATCHBASIN MANHOLE (TYPE B)	PROPOSED STORM MANHOLE	PROPOSED SANITARY MANHOLE	PROPOSED FIRE HYDRANT	PROPOSED WATERMAIN VALVE	PROPOSED CURB STOP	PROPOSED REDUCER	PROPOSED FIRE DEPARTMENT CONNECTION	EXISTING CATCHBASIN	EXISTING DOUBLE CATCHBASIN	EXISTING DITCH INLET CATCHBASIN	EXISTING STORM MANHOLE	EXISTING CATCHBASIN MANHOLE	EXISTING DOUBLE CATCHBASIN MANHOLE	EXISTING SANITARY MANHOLE	EXISTING FIRE HYDRANT	EXISTING WATERMAIN VALVE	EXISTING CURB STOP	EXISTING FIRE DEPARTMENT CONNECTION	EXISTING WELL	PROPOSED PIPE INSULATION	PROPOSED SANITARY SEWERSERVICE	PROPOSED STORM SEWERSERVICE	PROPOSED WATERMANSERVICE	EXISTING SANITARY SERVICE	EXISTING STORM SERVICE	EXISTING WATERMAIN	PROPOSED SUBDRAIN	SEEFAGE BARRIER CLAY SEAL SEE DETAIL ON C0009
------------------------	----------------------------	----------------------------	---------------------	----------------------------	---------------------------------	--	--	-----------------------------	------------------------------------	--	--	------------------------	---------------------------	-----------------------	--------------------------	--------------------	------------------	-------------------------------------	---------------------	----------------------------	---------------------------------	------------------------	-----------------------------	------------------------------------	---------------------------	-----------------------	--------------------------	--------------------	-------------------------------------	---------------	--------------------------	--------------------------------	-----------------------------	--------------------------	---------------------------	------------------------	--------------------	-------------------	---

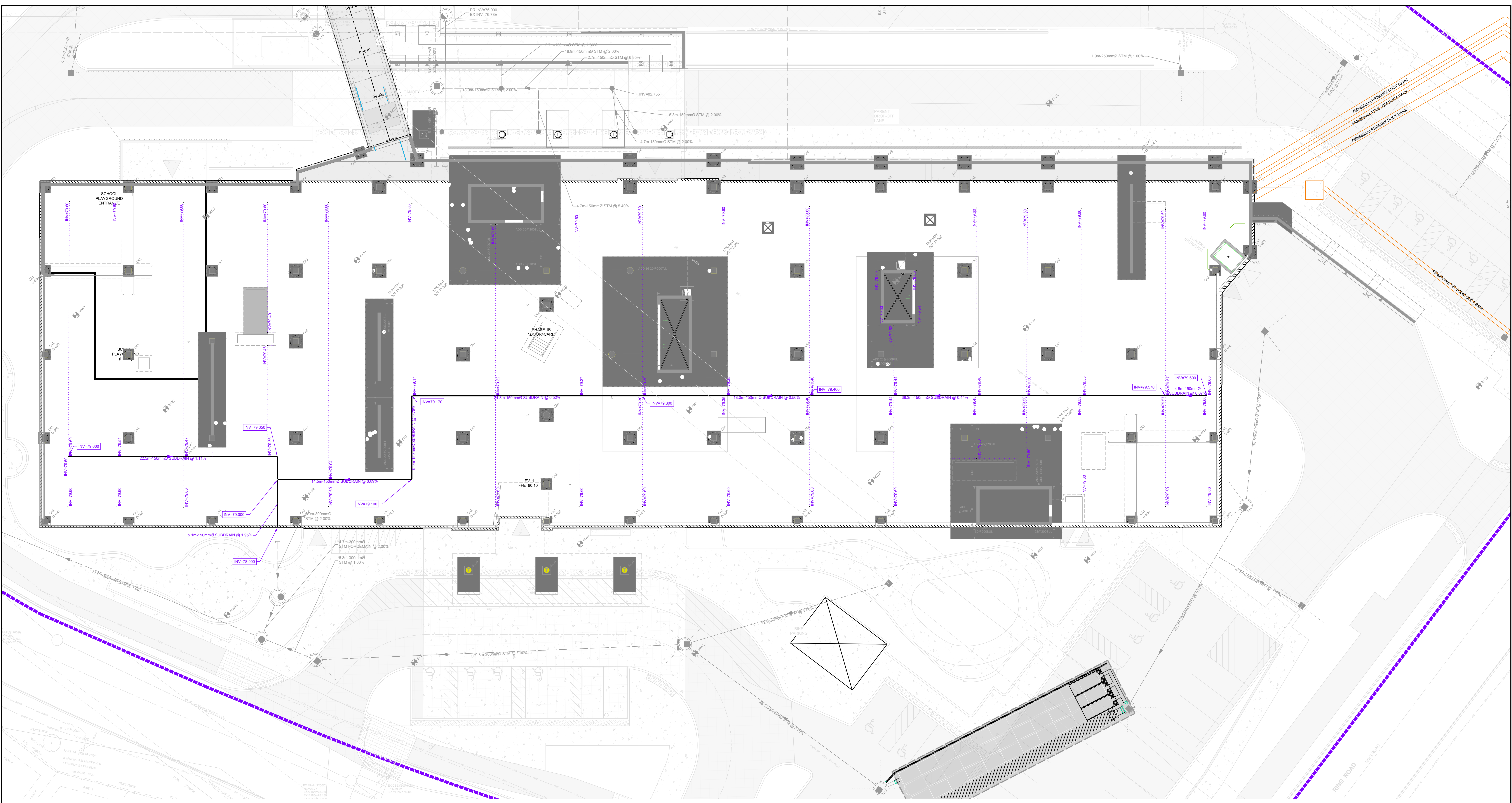
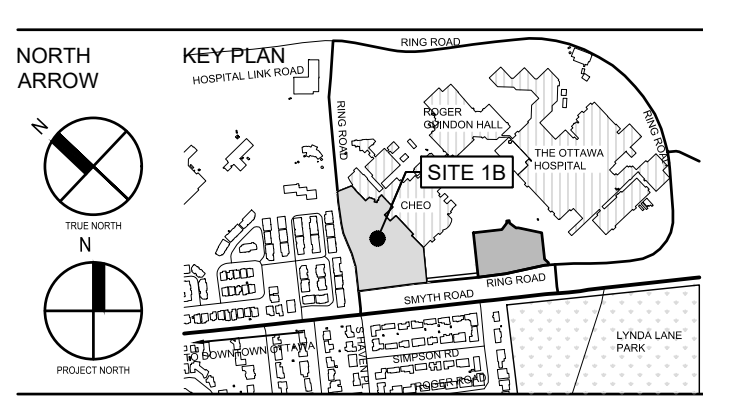
DATE	REVISION
9/24/09/23	ISSUED FOR BUILDING PERMIT
8/24/09/23	ISSUED FOR SITE PLAN CONTROL
7/24/09/07	ISSUED FOR 50% CD SUBMISSION
6/24/09/03	ISSUED FOR 100% CD SUBMISSION R2
5/24/05/10	ISSUED FOR FOUNDATION PERMIT
4/24/04/19	ISSUED FOR 100% DD SUBMISSION
3/24/01/24	RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
2/23/12/00	ISSUED FOR BUILDING PERMIT (TUNNEL)
1/23/12/15	RE-ISSUED FOR 50% DD SUBMISSION
0/23/12/15	ISSUED FOR 50% DD SUBMISSION



CLIENT
1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE
401 SMYTH RD. OTTAWA, ON K1M 1R1

TITLE
PROPOSED SERVING PLAN

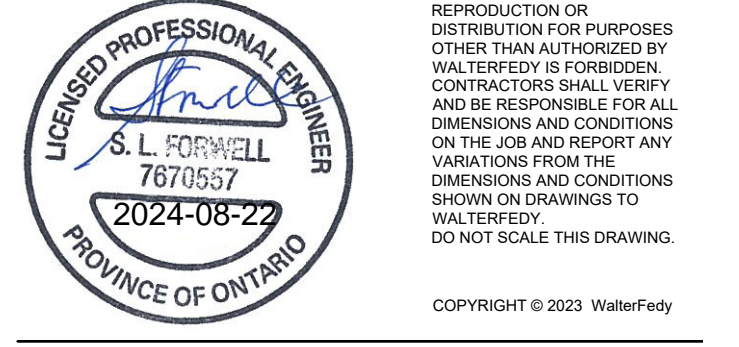
SCALE: 1:250
DRAWN BY: DL_ZS
REVIEWED BY: SF
JOB NUMBER: 2021-0921-13
PLOT DATE: 2024-08-21
DRAWING NUMBER



LEGEND

●	PROPOSED LAMP STANDARD
●	PROPOSED UTILITY POLE
●	PROPOSED HYDRO POLE
▲	PROPOSED SIGN
■	PROPOSED HYDRO TRANSFORMER
■	PROPOSED CATCHBASIN
■	PROPOSED DOUBLE CATCHBASIN
■	PROPOSED DITCH INLET CATCHBASIN
■	PROPOSED DITCH INLET CATCHBASIN (TYPE A)
■	PROPOSED DITCH INLET CATCHBASIN (TYPE B)
■	PROPOSED CATCHBASIN MANHOLE
■	PROPOSED DOUBLE CATCHBASIN MANHOLE
■	PROPOSED DITCH INLET CATCHBASIN MANHOLE (TYPE A)
■	PROPOSED DITCH INLET CATCHBASIN MANHOLE (TYPE B)
●	PROPOSED STORM MANHOLE
●	PROPOSED SANITARY MANHOLE
●	PROPOSED FIRE HYDRANT
●	PROPOSED WATERMAN VALVE
●	PROPOSED CURB STOP
●	PROPOSED REDUCER
●	PROPOSED FIRE DEPARTMENT CONNECTION
□	EXISTING CATCHBASIN
□	EXISTING DOUBLE CATCHBASIN
□	EXISTING DITCH INLET CATCHBASIN
□	EXISTING STORM MANHOLE
□	EXISTING CATCHBASIN MANHOLE
□	EXISTING DOUBLE CATCHBASIN MANHOLE
□	EXISTING SANITARY MANHOLE
□	EXISTING FIRE HYDRANT
□	EXISTING WATERMAN VALVE
□	EXISTING CURB STOP
□	EXISTING FIRE DEPARTMENT CONNECTION
□	EXISTING WELL
—	PROPOSED PIPE INSULATION
—	PROPOSED SANITARY SEWERSERVICE
—	PROPOSED STORM SEWERSERVICE
—	PROPOSED WATERMANSERVICE
—	EXISTING SANITARY SERVICE
—	EXISTING STORM SERVICE
—	EXISTING WATERMAIN
—	PROPOSED SUBDRAIN

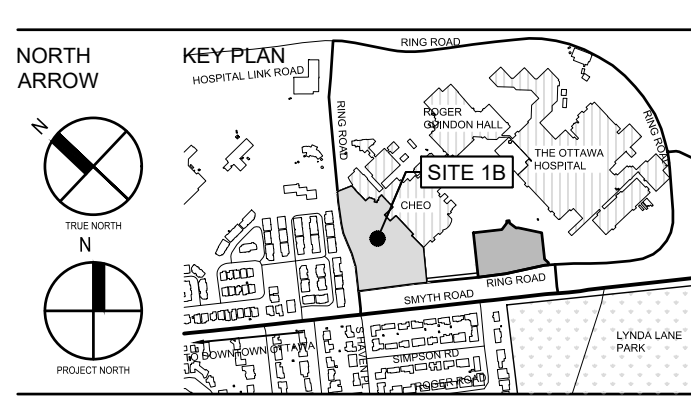
9	24/08/23	ISSUED FOR BUILDING PERMIT
8	24/08/23	ISSUED FOR SITE PLAN CONTROL
7	24/08/23	ISSUED FOR 50% DD SUBMISSION
6	24/05/23	ISSUED FOR 100% DD SUBMISSION R2
5	24/05/10	ISSUED FOR FOUNDATION PERMIT
4	24/04/19	ISSUED FOR 100% DD SUBMISSION
3	24/01/24	RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
2	23/12/20	ISSUED FOR BUILDING PERMIT (TUNNEL)
1	23/12/15	RE-ISSUED FOR 50% DD SUBMISSION
0	23/12/15	ISSUED FOR 50% DD SUBMISSION



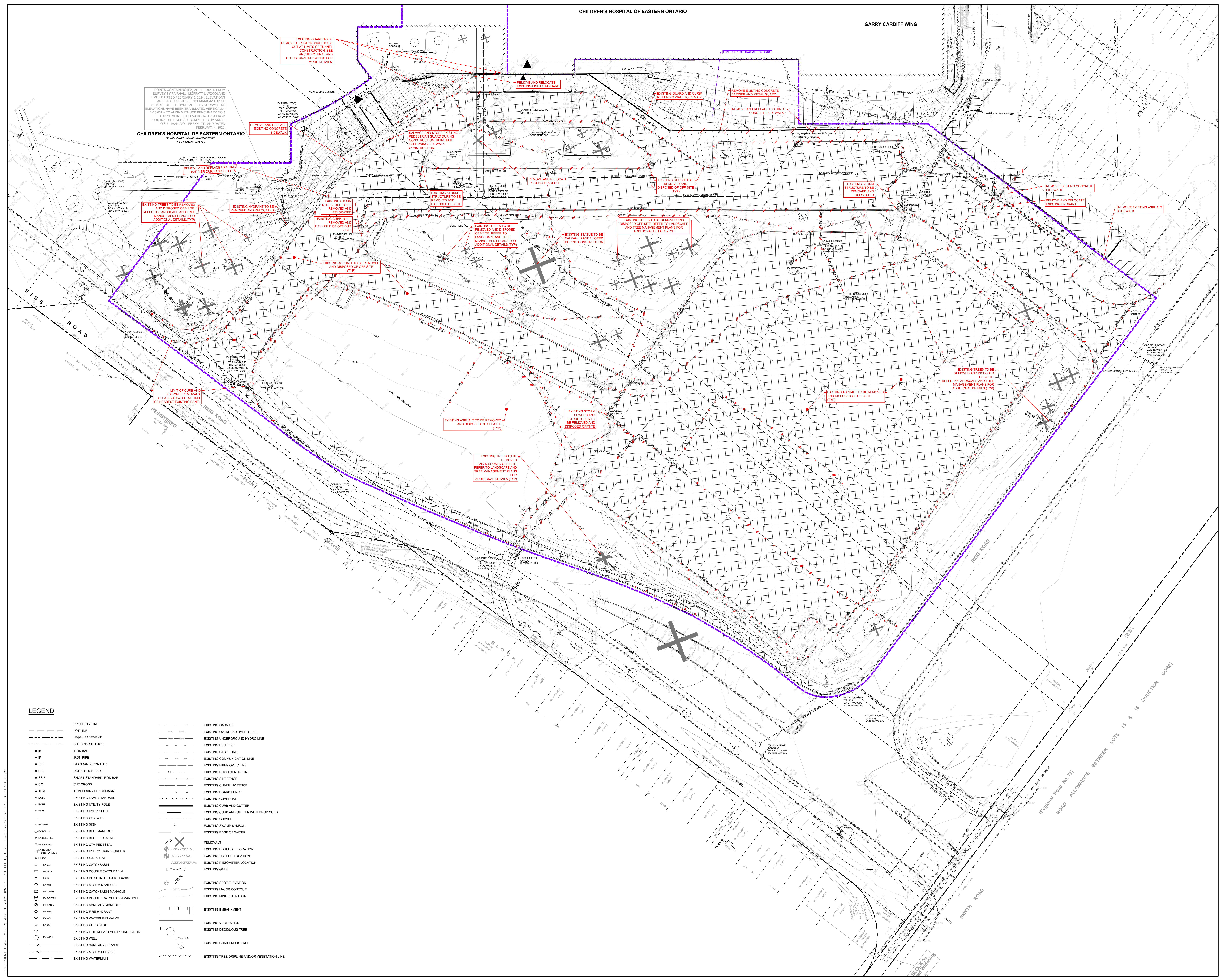
CLIENT
1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE
401 BAYVIEW RD, OTTAWA, ON K1H 8L1

TITLE
PROPOSED BUILDING SUBDRAIN PLAN

SCALE: 1:150
DRAWN BY: DL_ZS
REVIEWED BY: SF
JOB NUMBER: 2021-0821-13
PLOT DATE: 2024-08-21
DRAWING NUMBER



- GENERAL NOTES**
- THIS SET OF PLANS SHALL NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY THE DESIGN ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.
 - NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
 - THIS PLAN NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF WALTERFEDY.
 - THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, 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 SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
 - ANY AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CONSULTANT AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO MUNICIPAL STANDARDS.
 - ALL HEALTH AND SAFETY RELATED SIGNAGE MUST BE POSTED AT THE SITE AS REQUIRED BY APPLICABLE LAW AND BEST MANAGEMENT PRACTICES.
 - AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CONSULTANT WITH A DIGITAL FILE OF AS-CONSTRUCTED DRAWINGS. THE DRAWINGS MUST REFLECT THE CONSTRUCTED STATE OF THE WORK. SUBMISSION OF UNALTERED DESIGN DRAWINGS AND CONTRACT CHANGES WILL NOT BE ACCEPTED.

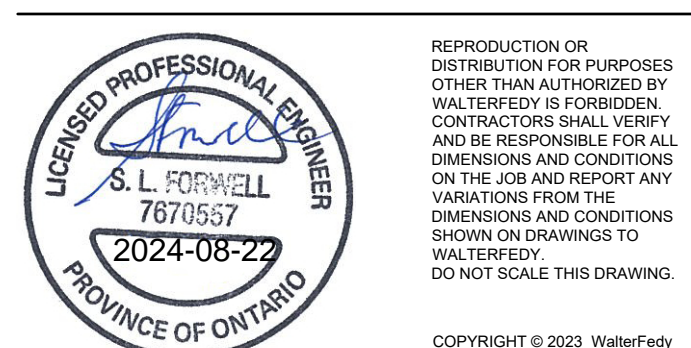


POINTS CONTAINING (E) ARE DERIVED FROM SURVEY BY PARSONS, HOOPER & WOODWARD LIMITED DATED FEBRUARY 9, 2024. ELEVATIONS ARE BASED ON BENCHMARK AT TOP OF SPINDLE OF FIRE HYDRANT. ELEVATION: 7.707. ELEVATIONS HAVE BEEN TRANSFERRED VERTICALLY BY 0.027M TO ALIGN WITH JOB BENCHMARK NO. 3. TOP OF SPINDLE ELEVATION: 7.680. ORIGINAL SITE SURVEY COMPLETED BY ANNE, STELLA VAN, VOLLEBERG LTD. AND DATED FEBRUARY 4, 2020.

LEGEND

---	PROPERTY LINE	---	EXISTING GAS MAIN
---	LOT LINE	---	EXISTING OVERHEAD HYDRO LINE
---	LEGAL EASEMENT	---	EXISTING UNDERGROUND HYDRO LINE
---	BUILDING SETBACK	---	EXISTING BELL LINE
● BS	IRON BAR	---	EXISTING CABLE LINE
● BF	IRON PIPE	---	EXISTING COMMUNICATION LINE
● SSB	STANDARD IRON BAR	---	EXISTING FIBER OPTIC LINE
● RSB	ROUND IRON BAR	---	EXISTING DITCH CENTRELINE
● SSB	SHORT STANDARD IRON BAR	---	EXISTING SILT FENCE
● CC	CUT CROSS	---	EXISTING CHAINLINK FENCE
● TBM	TEMPORARY BENCH-MARK	---	EXISTING BOARD FENCE
● EX LS	EXISTING LAMP STANDARD	---	EXISTING GUARDRAIL
● EX UP	EXISTING UTILITY POLE	---	EXISTING CURB AND GUTTER
● EX GP	EXISTING HYDRO POLE	---	EXISTING CURB AND GUTTER WITH DROP CURB
● EX GP	EXISTING GUY WIRE	---	EXISTING DRAVEL
● EX SIGN	EXISTING SIGN	---	EXISTING SWAMP SYMBOL
● EX BELL MH	EXISTING BELL MANHOLE	---	EXISTING EDGE OF WATER
● EX BELL PED	EXISTING BELL PEDESTAL	---	REMOVALS
● EX CTV PED	EXISTING CTV PEDESTAL	---	EXISTING BOREHOLE LOCATION
● EX HYDRO TRANSFORMER	EXISTING HYDRO TRANSFORMER	---	EXISTING TEST PIT LOCATION
● EX GV	EXISTING GAS VALVE	---	EXISTING PIEZOMETER LOCATION
● EX CB	EXISTING CATCH-BASIN	---	EXISTING GATE
● EX DCB	EXISTING DOUBLE CATCH-BASIN	---	EXISTING SPOT ELEVATION
● EX DI	EXISTING DITCH INLET CATCH-BASIN	---	EXISTING MAJOR CONTOUR
● EX SMH	EXISTING STORM MANHOLE	---	EXISTING MINOR CONTOUR
● EX CBM	EXISTING CATCH-BASIN MANHOLE	---	EXISTING EMBANKMENT
● EX DCBM	EXISTING DOUBLE CATCH-BASIN MANHOLE	---	EXISTING VEGETATION
● EX SAN MH	EXISTING SANITARY MANHOLE	---	EXISTING DECIDUOUS TREE
● EX FHD	EXISTING FIRE HYDRANT	---	EXISTING CONIFEROUS TREE
● EX WV	EXISTING WATERMAIN VALVE	---	EXISTING TREE ORIPPLE AND/OR VEGETATION LINE
● EX CS	EXISTING CURB STOP	---	
● EX FDC	EXISTING FIRE DEPARTMENT CONNECTION	---	
● EX WELL	EXISTING WELL	---	
● EX SS	EXISTING SANITARY SERVICE	---	
● EX STS	EXISTING STORM SERVICE	---	
● EX WM	EXISTING WATERMAIN	---	

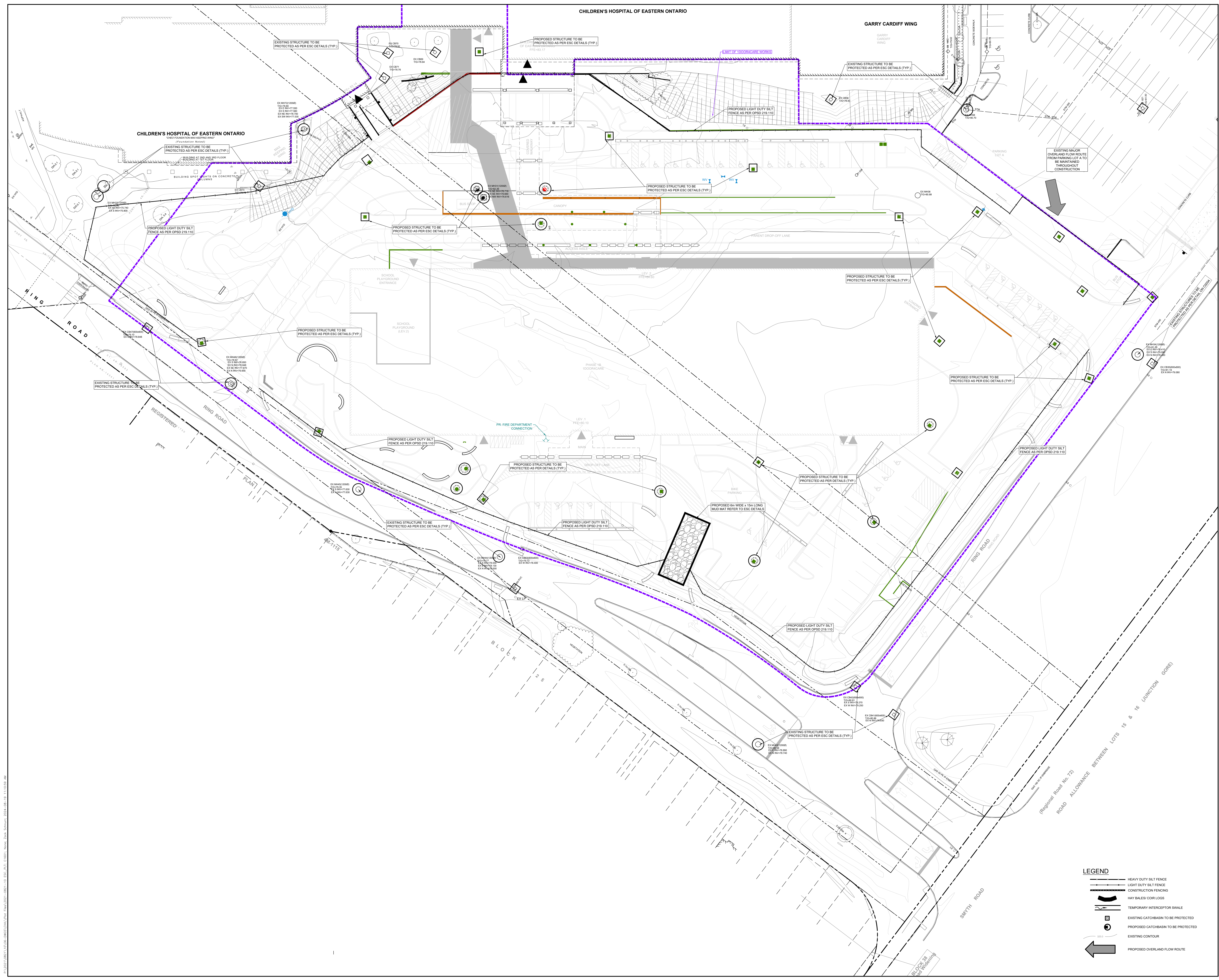
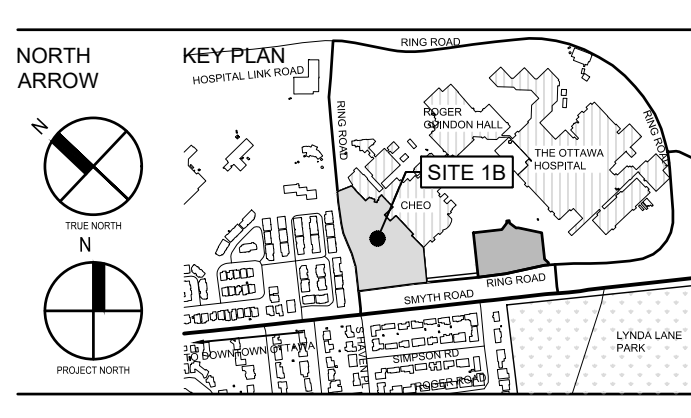
9	24/08/23	ISSUED FOR BUILDING PERMIT
8	24/08/23	ISSUED FOR SITE PLAN CONTROL
7	24/08/07	ISSUED FOR 50% CD SUBMISSION
6	24/05/03	ISSUED FOR 100% DD SUBMISSION R2
5	24/05/10	ISSUED FOR FOUNDATION PERMIT
4	24/04/19	ISSUED FOR 100% DD SUBMISSION
3	24/01/24	RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
2	23/12/20	ISSUED FOR BUILDING PERMIT (TUNNEL)
1	23/12/15	RE-ISSUED FOR 50% DD SUBMISSION
0	23/12/15	ISSUED FOR 50% DD SUBMISSION



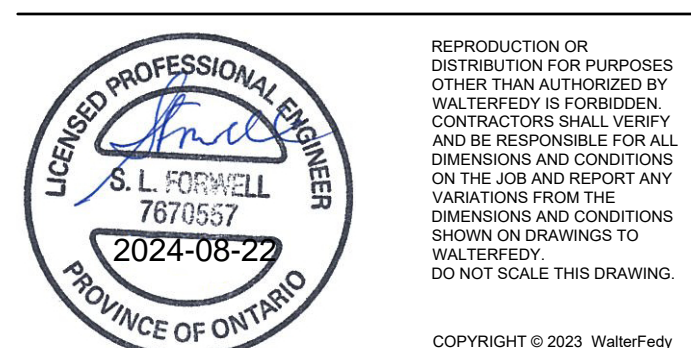
CLIENT
1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE
401 SMYTH RD, OTTAWA, ON K1M 1R1

TITLE
EXISTING CONDITIONS AND REMOVALS PLAN

SCALE: 1:250
DRAWN BY: DL_ZS
REVIEWED BY: SF
JOB NUMBER: 2021-0821-13
PLOT DATE: 2024-08-21
DRAWING NUMBER



#	DATE	REVISION
9	24/08/23	ISSUED FOR BUILDING PERMIT
8	24/08/23	ISSUED FOR SITE PLAN CONTROL
7	24/08/07	ISSUED FOR 50% CD SUBMISSION
6	24/06/03	ISSUED FOR 100% CD SUBMISSION R2
5	24/05/10	ISSUED FOR FOUNDATION PERMIT
4	24/04/19	ISSUED FOR 100% DD SUBMISSION
3	24/01/24	RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
2	23/12/20	ISSUED FOR BUILDING PERMIT (TUNNEL)
1	23/12/15	RE-ISSUED FOR 50% DD SUBMISSION
0	23/12/15	ISSUED FOR 50% DD SUBMISSION



CLIENT
1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE
401 SMYTH RD, OTTAWA, ON K1H8L1

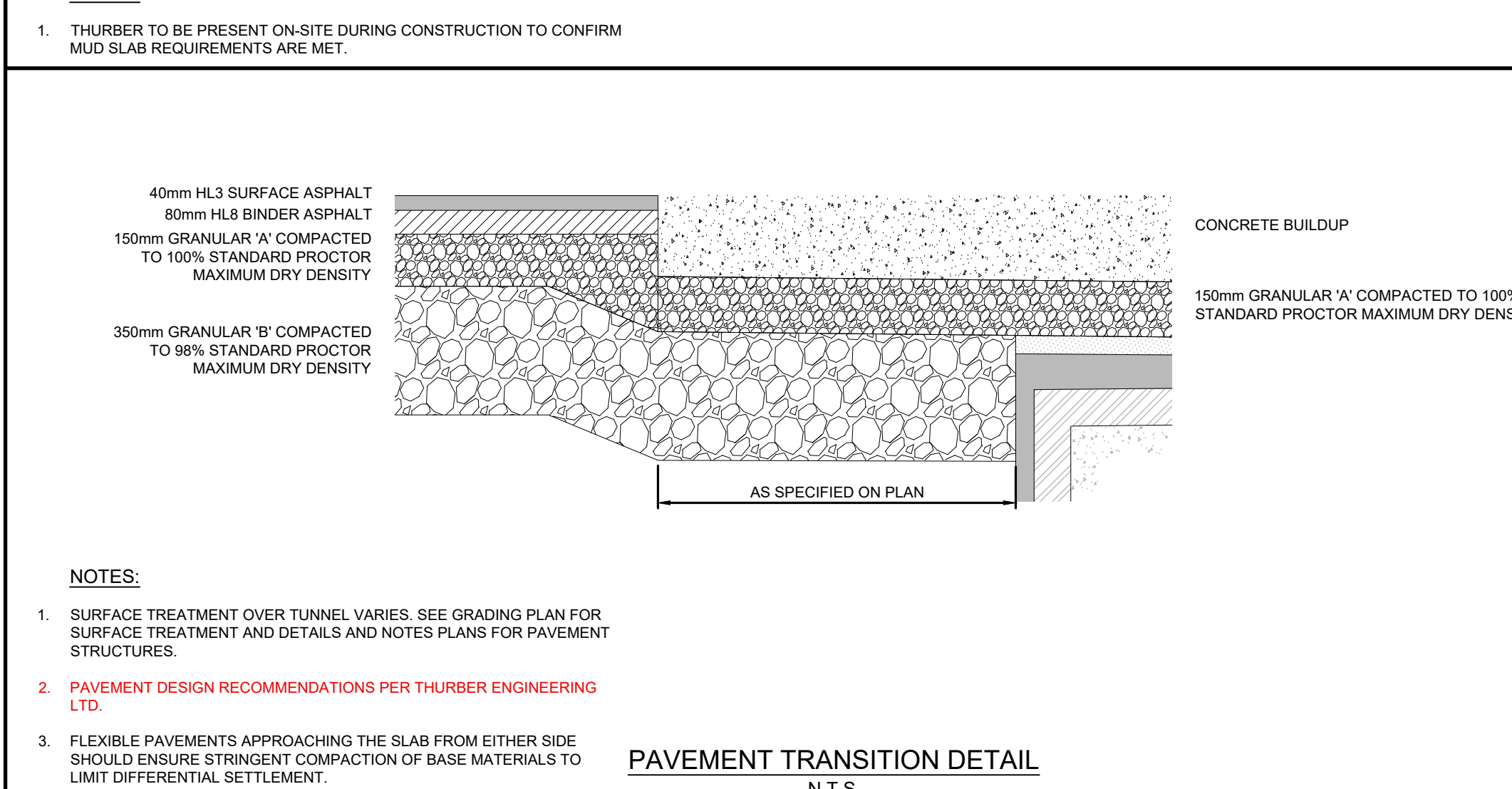
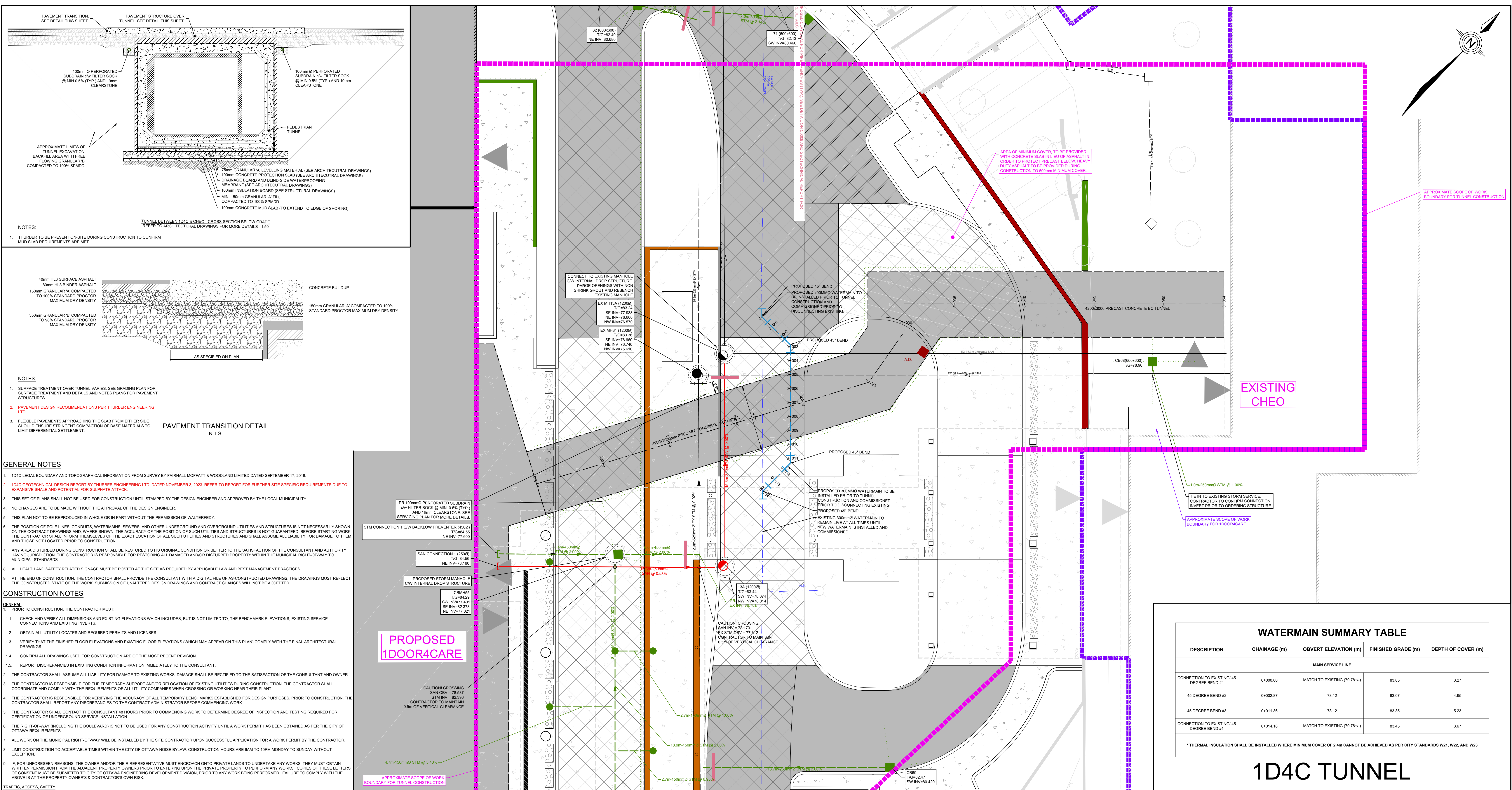
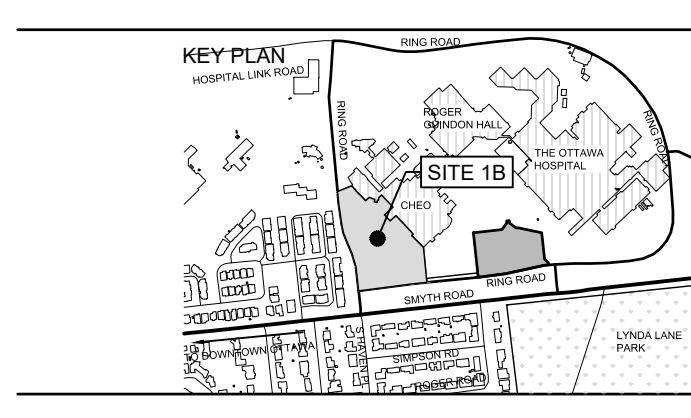
TITLE
EROSION AND SEDIMENT CONTROL

SCALE: 1:250
DRAWN BY: DL, ZS
REVIEWED BY: SF
JOB NUMBER: 2021-0821-13
PLOT DATE: 2024 08 19
DRAWING NUMBER

C1601
PLAN # 18912
DEVELOPMENT # D07-12-22-0170

LEGEND

- HEAVY DUTY SILT FENCE
- LIGHT DUTY SILT FENCE
- CONSTRUCTION FENCING
- HAY BALES/CORR LOGS
- TEMPORARY INTERCEPTOR SWALE
- EXISTING CATCHBASIN TO BE PROTECTED
- PROPOSED CATCHBASIN TO BE PROTECTED
- EXISTING CONTOUR
- PROPOSED OVERLAND FLOW ROUTE



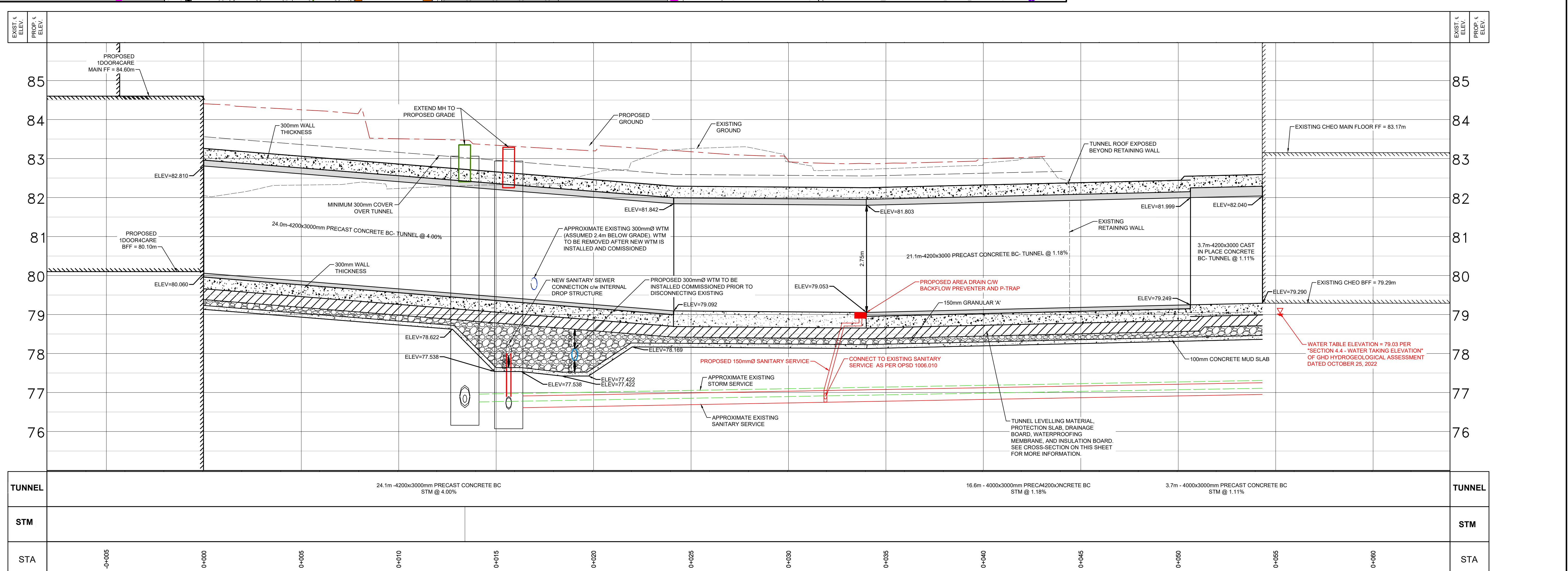
- NOTES:**
- THURBER TO BE PRESENT ON-SITE DURING CONSTRUCTION TO CONFIRM MUD SLAB REQUIREMENTS ARE MET
- GENERAL NOTES:**
- 104C LEGAL BOUNDARY AND TOPOGRAPHICAL INFORMATION FROM SURVEY BY FARHALL MOFFATT & WOODLAND LIMITED DATED SEPTEMBER 17, 2018.
 - 104C GEOTECHNICAL DESIGN REPORT BY THURBER ENGINEERING LTD. DATED NOVEMBER 3, 2023. REFER TO REPORT FOR FURTHER SITE SPECIFIC REQUIREMENTS DUE TO EXPANSIVE SHALE AND POTENTIAL FOR SULPHATE ATTACK.
 - THIS SET OF PLANS SHALL NOT BE USED FOR CONSTRUCTION UNTIL STAMPED BY THE DESIGN ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.
 - NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
 - THIS PLAN NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF WALTERFEDY.
 - THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, 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 SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
 - ANY AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CONSULTANT AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO MUNICIPAL STANDARDS.
 - ALL HEALTH AND SAFETY RELATED SIGNAGE MUST BE POSTED AT THE SITE AS REQUIRED BY APPLICABLE LAW AND BEST MANAGEMENT PRACTICES.
 - AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CONSULTANT WITH A DIGITAL FILE OF AS-CONSTRUCTED DRAWINGS. THE DRAWINGS MUST REFLECT THE CONSTRUCTED STATE OF THE WORK. SUBMISSION OF UNALTERED DESIGN DRAWINGS AND CONTRACT CHANGES WILL NOT BE ACCEPTED.

- CONSTRUCTION NOTES:**
- GENERAL:**
- PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST:
 - CHECK AND VERIFY ALL DIMENSIONS AND EXISTING ELEVATIONS WHICH INCLUDES, BUT IS NOT LIMITED TO, THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS.
 - OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.
 - VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND EXISTING FLOOR ELEVATIONS (WHICH MAY APPEAR ON THIS PLAN) COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
 - CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.
 - REPORT DISCREPANCIES IN EXISTING CONDITION INFORMATION IMMEDIATELY TO THE CONSULTANT.
 - THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR DAMAGE TO EXISTING WORKS. DAMAGE SHALL BE RECTIFIED TO THE SATISFACTION OF THE CONSULTANT AND OWNER.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY SUPPORT AND/OR RELOCATION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE REQUIREMENTS OF ALL UTILITY COMPANIES WHEN CROSSING OR WORKING NEAR THEIR PLANT.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL TEMPORARY BENCHMARKS ESTABLISHED FOR DESIGN PURPOSES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE COMMENCING WORK.
 - THE CONTRACTOR SHALL CONTACT THE CONSULTANT 48 HOURS PRIOR TO COMMENCING WORK TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION.
 - THE RIGHT-OF-WAY (INCLUDING THE BOULEVARD) IS NOT TO BE USED FOR ANY CONSTRUCTION ACTIVITY UNTIL A WORK PERMIT HAS BEEN OBTAINED AS PER THE CITY OF OTTAWA REQUIREMENTS.
 - ALL WORK ON THE MUNICIPAL RIGHT-OF-WAY WILL BE INSTALLED BY THE SITE CONTRACTOR UPON SUCCESSFUL APPLICATION FOR A WORK PERMIT BY THE CONTRACTOR.
 - LIMIT CONSTRUCTION TO ACCEPTABLE TIMES WITHIN THE CITY OF OTTAWA NOISE BYLAW. CONSTRUCTION HOURS ARE 6AM TO 10PM MONDAY TO SUNDAY WITHOUT EXCEPTION.
 - IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR THEIR REPRESENTATIVE MUST ENDOUR ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, THEY MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO THE CITY OF OTTAWA ENGINEERING DEVELOPMENT DIVISION, PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNER'S & CONTRACTOR'S OWN RISK.
- TRAFFIC ACCESS SAFETY:**
- PEDESTRIANS MUST BE ASSURED SAFE PASSAGE ALONG LANCASTER ROAD AT ALL TIMES. ALL PEDESTRIAN WALKWAYS MUST BE MAINTAINED AS LONG AS POSSIBLE AFTER WHICH TIME IT IS TEMPORARILY REPLACED BY A SUITABLE GRANULAR MATERIAL TO THE SATISFACTION OF THE CONSULTANT AND/OR CITY OF OTTAWA.
 - ON STREET PARKING WILL NOT BE PERMITTED FOR ANY CONSTRUCTION VEHICLES OR CONSTRUCTION STAFF. THE CONTRACTOR SHALL PROVIDE ADAPTABLE PARKING FACILITIES ON SITE TO SUIT THE NATURE AND LOCATION OF THE WORK.
 - FOR EMERGENCY RESPONSE, CONTRACTOR MUST MAINTAIN CONSTRUCTION ACCESS FREE AND CLEAR OF DEBRIS, MATERIALS, VEHICLES, AND EQUIPMENT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS, AND BARRIERS. ALL SIGNALS, ETC. SHALL CONFORM TO THE STANDARDS OF THE CITY OF OTTAWA AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

WATERMAIN SUMMARY TABLE				
DESCRIPTION	CHAINAGE (m)	OBVERT ELEVATION (m)	FINISHED GRADE (m)	DEPTH OF COVER (m)
MAIN SERVICE LINE				
CONNECTION TO EXISTING 45 DEGREE BEND #1	0+002.00	MATCH TO EXISTING (79.79+)	83.05	3.27
45 DEGREE BEND #2	0+002.87	78.12	83.07	4.95
45 DEGREE BEND #3	0+011.38	78.12	83.35	5.23
CONNECTION TO EXISTING 45 DEGREE BEND #4	0+014.18	MATCH TO EXISTING (79.79+)	83.45	3.87

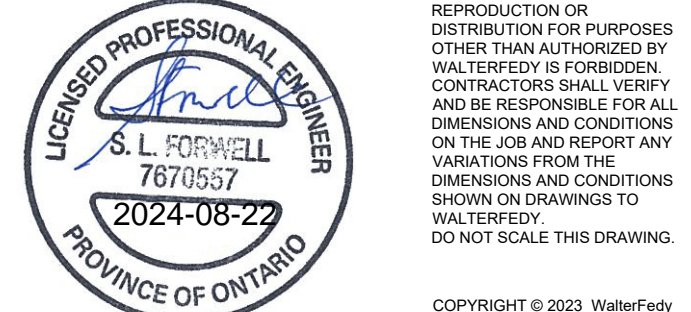
* THERMAL INSULATION SHALL BE INSTALLED WHERE MINIMUM COVER OF 2.4m CANNOT BE ACHIEVED AS PER CITY STANDARDS W21, W22, AND W23

1D4C TUNNEL



- REMOVALS TO BE IN ACCORDANCE WITH OPSS 300.150:**
- ASPHALT:**
- ASPHALT MATERIAL TO BE PROVIDED AS PER OPSS 1150 AND INSTALLED AS PER OPSS 310.
 - WHERE NEW ASPHALT ADJUTS EXISTING ASPHALT, EXISTING ASPHALT SHALL BE SAW CUT AND HAVE TACK COAT APPLIED AS PER OPSS 308 TO A CLEAN DRY FACE BEFORE NEW ASPHALT IS PLACED.
 - SUBMIT ONE COPY OF THE PROPOSED ASPHALT MIX DESIGN FOR ANY PAVING MATERIALS DIRECTLY TO THE CONSULTANT A MINIMUM OF TWO WEEKS IN ADVANCE OF SCHEDULED ASPHALT PAVING.
- CONCRETE:**
- EXISTING SIDEWALK ON THE RIGHT OF WAY IS NOT TO BE REMOVED UNTIL THE CONTRACTOR IS READY TO REPLACE SIDEWALKS.
 - CONCRETE SIDEWALK WITHIN THE RIGHT OF WAY SHALL BE AS PER OPSS 310.010 AND 310.030.
 - CONCRETE BARRIER CURB TO BE AS PER OPSS 800.110 - 32MPa @ 28 DAYS CONCRETE TO OPSS 353, 74.1% AIR ENTRAINMENT, 19mm MAX COURSE AGGREGATE, 60mm MAX SLUMP.
 - CONCRETE SIDEWALK TO BE AS PER DETAIL ON THIS SHEET - 32MPa @ 28 DAYS CONCRETE TO OPSS 351, 74.1% AIR ENTRAINMENT, 19mm MAX COURSE AGGREGATE, 70x20x20mm SLUMP.
 - UNSHRINKABLE FILL TO OPSS 1359, 28-DAY COMPRESSIVE STRENGTH 0.4 - 0.7 MPa, MAXIMUM 25mm COURSE AGGREGATE SIZE.
 - SUBMIT ONE COPY OF ALL PROPOSED CONCRETE MIX DESIGNS DIRECTLY TO THE CONSULTANT A MINIMUM OF TWO WEEKS IN ADVANCE OF SCHEDULED CONCRETE POURING.
- GRANULAR:**
- ALL GRANULAR BASE, SUBBASE, UNDERGRADE AND BACKFILL TO BE PROVIDED AS PER OPSS 300.150 AND INSTALLED AS PER OPSS 314.
 - COARSE GRANULAR FILL MATERIAL AS SPECIFIED BELOW, COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY, UNLESS SPECIFIED OTHERWISE, IN LISTS NOT EXCEEDING 300mm IN COMPACTED THICKNESS; MOISTURE CONTENT WITHIN PLUS OR MINUS 2% OF THE REQUIREMENTS OF ASTM D698.
 - GRANULAR 'B', TYPE 2 TO OPSS MUNI 1010.
 - FINE GRANULAR FILL MATERIAL AS SPECIFIED BELOW, COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY, UNLESS SPECIFIED OTHERWISE, IN LISTS NOT EXCEEDING 150mm IN COMPACTED THICKNESS; MOISTURE CONTENT WITHIN PLUS OR MINUS 2% OF THE REQUIREMENTS OF ASTM D698.
 - GRANULAR 'A' TO OPSS MUNI 1010.
- EARTHWORK:**
- IN ACCORDANCE WITH THE CITY OF OTTAWA SITE ALTERATION BY-LAW, NO FILLING, PRE-GRADING OR TREE REMOVAL SHALL OCCUR IN ADVANCE OF THE FINAL SITE PLAN OBTAINING ACCEPTANCE WITHOUT PERMIT. SHOULD THE DEVELOPER OR CONTRACTOR WISH TO PREPARE THE SITE FOR CONSTRUCTION PRIOR TO ENGINEERING ACCEPTANCE, AN APPLICATION FOR A SITE ALTERATION PERMIT MUST BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEERING AND CONSTRUCTION DIVISION FOR REVIEW AND APPROVAL.
- ANY AREAS WHICH REQUIRE FILL IN EXCESS OF 0.30m ARE SUBJECT TO COMPACTION TESTS AND SUCH TESTS MUST SHOW A MINIMUM COMPACTION OF 95% SPREAD AT ALL DEPTHS.
- RETAINING WALLS TO BE DESIGNED BY OTHERS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PROPOSED RETAINING WALLS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER CERTIFIED IN THE PROVINCE OF ONTARIO TO THE CONSULTANT PRIOR TO CONSTRUCTION. SHOP DRAWINGS TO BE APPROVED BY CONSULTANT IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A CERTIFICATE OF COMPLETION COMPLETED BY THE RETAINING WALL DESIGN ENGINEER BEFORE ACCEPTANCE OF THE WORK.
- TOPSOIL/ROCK:**
- TOPSOIL TO BE PROVIDED AND INSTALLED AS PER OPSS 800.500 TO BE APPROVED AND INSTALLED AS PER OPSS 803.
- PAVEMENT MARKINGS AND SIGNS:**
- PAVEMENT MARKINGS TO BE LAID OUT AS PER THE DRAWINGS AND CONTRACTOR TO CONTACT CONSULTANT TO REVIEW LAYOUT PRIOR TO PAINTING. ALL PAINT LINES TO BE OF UNIFORM COLOR AND DENSITY WITH SHARP EDGES TO THE SATISFACTION OF THE CONSULTANT.
 - PAVEMENT MARKINGS TO BE:
 1. THERMOPLASTIC PAVEMENT MARKING MATERIAL TO CONFORM TO OPSS 1713 AND APPLIED AS PER OPSS 710
 - 2.1. WHITE - COSE 1-0P-12C WHITE 513-301.
 - 2.2. YELLOW - SHALL MATCH EITHER THE YELLOW COLOUR CHIP OF THE MINISTRY OF TRANSPORTATION ONTARIO OR U.S. FEDERAL 599B, YELLOW 33538
- ALL EXISTING SIGNS, MAIL BOXES, POSTS, ETC., WHICH MUST BE REMOVED TO ACCOMMODATE CONSTRUCTION SHALL BE SALVAGED AND REINSTATED AS DIRECTED BY THE CONTRACT ADMINISTRATOR IN WRITING. OTHERWISE, THE CONTRACTOR SHALL MAKE GOOD ANY DAMAGE CAUSED TO SUCH FACILITIES AT HIS OWN EXPENSE. ALL EXISTING TRAFFIC CONTROL SIGNS MUST BE REINSTATE BY THE END OF EACH WORKING DAY. EXISTING STOP CONTROL SIGNS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION TO THE SATISFACTION OF THE ROAD AUTHORITY AND THE CONTRACT ADMINISTRATOR.

- 9 24/08/23 ISSUED FOR BUILDING PERMIT
- 8 24/08/23 ISSUED FOR SITE PLAN CONTROL
- 7 24/08/07 ISSUED FOR 50% DD SUBMISSION
- 6 24/05/03 ISSUED FOR 100% DD SUBMISSION R2
- 5 24/05/10 ISSUED FOR FOUNDATION PERMIT
- 4 24/04/19 ISSUED FOR 100% DD SUBMISSION
- 3 24/01/24 RE-ISSUED FOR BUILDING PERMIT (TUNNEL)
- 2 23/12/20 ISSUED FOR BUILDING PERMIT (TUNNEL)
- 1 23/12/15 RE-ISSUED FOR 50% DD SUBMISSION
- 0 23/12/15 ISSUED FOR 50% DD SUBMISSION



CLIENT: 1DOOR4CARE: CHEO INTEGRATED TREATMENT CENTRE: 1DOOR4CARE

401 SMYTH RD. OTTAWA, ON K1M1L1

TITLE: TUNNEL PROFILE

SCALE: H=1:100 V=1:50

DRAWN BY: DL_ZS

REVIEWED BY: SF

JOB NUMBER: 2021-0821-13

PLUT DATE: 2024.08.21

DRAWING NUMBER: C3101

PLAN # 18912 DEVELOPMENT # D07-12-22-0170