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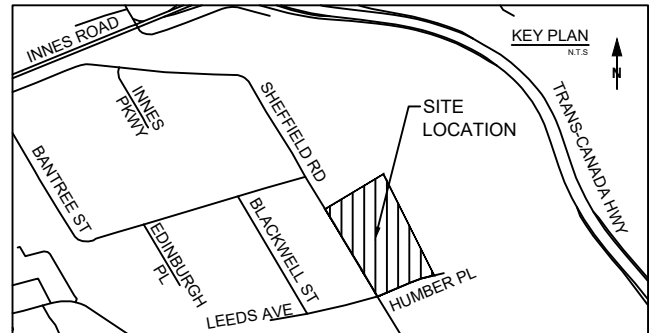
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION
8	2023-03-22	REISSUED FOR SPA
7	2023-03-21	ISSUED FOR ADD-C-01
6	2023-03-06	ISSUED FOR BID
5	2023-02-08	REISSUED FOR SPA
4	2022-12-02	ISSUED FOR ADD #1
3	2022-11-23	ISSUED FOR BID

KEY PLAN



PROJECT NUMBER

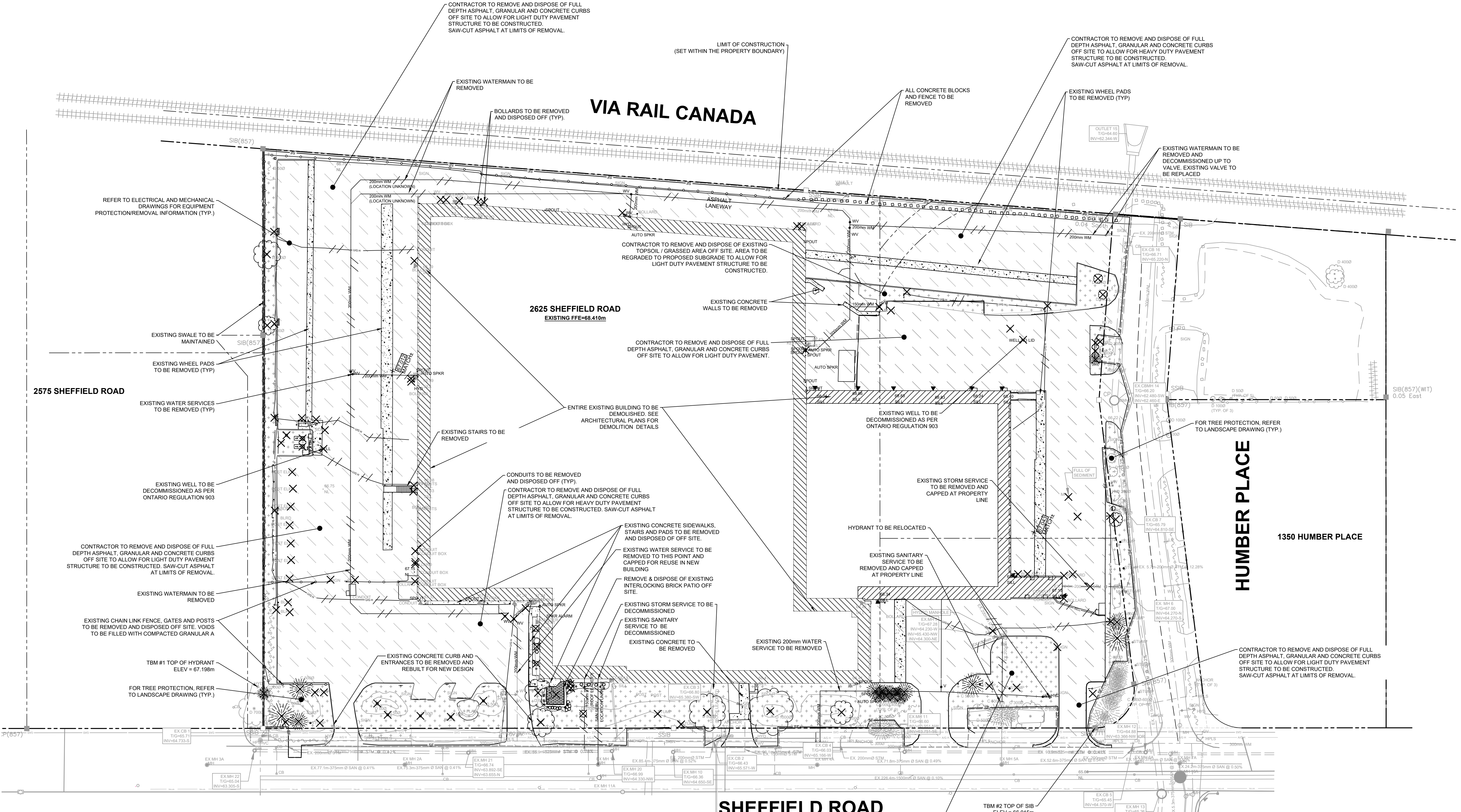
60634622

SHEET TITLE

EXISTING CONDITIONS AND REMOVALS

SHEET NUMBER

C101



SURVEY NOTES

METRIC NOTE
 ALL DISTANCES SHOWN HEREON ARE IN METERS AND CAN BE CONVERTED TO IMPERIAL FEET BY DIVIDING BY 0.3048.

DISTANCE NOTE
 ALL DISTANCES ELECTRONICALLY MEASURED ON THIS PLAN ARE GRID DISTANCES.

HORIZONTAL DATUM
 UNIVERSAL TRANSVERSE MERCATOR (UTM) PROJECTION, ZONE 18 NORTH, NAD-83 CSRS.

VERTICAL DATUM
 NAD-83 VERTICAL DATUM - 1978 RE-ADJUSTMENT (GEOIDETIC)

COMPLETION NOTE
 TOPOGRAPHIC DETAIL SHOWN HEREON WAS ACQUIRED IN JUNE, 2020 BY AECOM.

PROPERTY BOUNDARIES
 PROPERTY BOUNDARY INFORMATION SHOWN HEREIN IS DERIVED FROM REGISTERED PLAN LEGAL SURVEY FROM ANNIS O'SULLIVAN VOLLEBEKK LTD DATED NOV 18 2022. THIS DOCUMENT IN ITSELF CAN NOT BE USED TO ESTABLISH PROPERTY LIMITS.

SITE BENCHMARKS
 TBM #1 - TOP NUT OF HYDRANT LOCATED AT NORTH WEST CORNER OF 2625 SHEFFIELD ROAD ELEVATION = 67.198m
 TBM #2 - STANDARD IRON BAR (SIB) LOCATED AT SOUTH WEST CORNER OF 2625 SHEFFIELD ROAD ELEVATION = 66.015m

LEGEND

	PROPERTY LINE
	PROPERTY BAR
	EX. CONTOUR
	EX. SPOT ELEVATION
	EX. VEGETATION
	EX. CB, DCB, CBMH AND MH
	EX. SWALE/DITCH
	EX. CHAIN LINK FENCE
	EX. POST & WIRE FENCE
	EX. ABOVE GROUND HYDRO LINE
	EX. MAN DOOR

REMOVALS

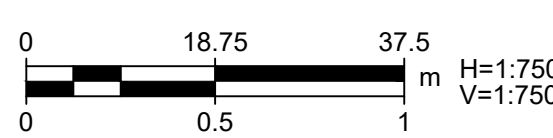
	EXISTING CONCRETE REMOVAL
	EXISTING INTERLOCKING BRICK & IMPROPER MATERIAL REMOVAL
	TOPSOIL & GRASSSED AREA REMOVAL
	ASPHALT/CONCRETE REMOVALS FULL DEPTH
	REMOVALS
	LIMIT OF REMOVALS
	TREE REMOVALS

CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING TOPSOIL / GRASSSED AREA OFF SITE. AREA TO BE REGRADED TO PROPOSED SUBGRADE TO ALLOW FOR LIGHT DUTY PAVEMENT STRUCTURE TO BE CONSTRUCTED.

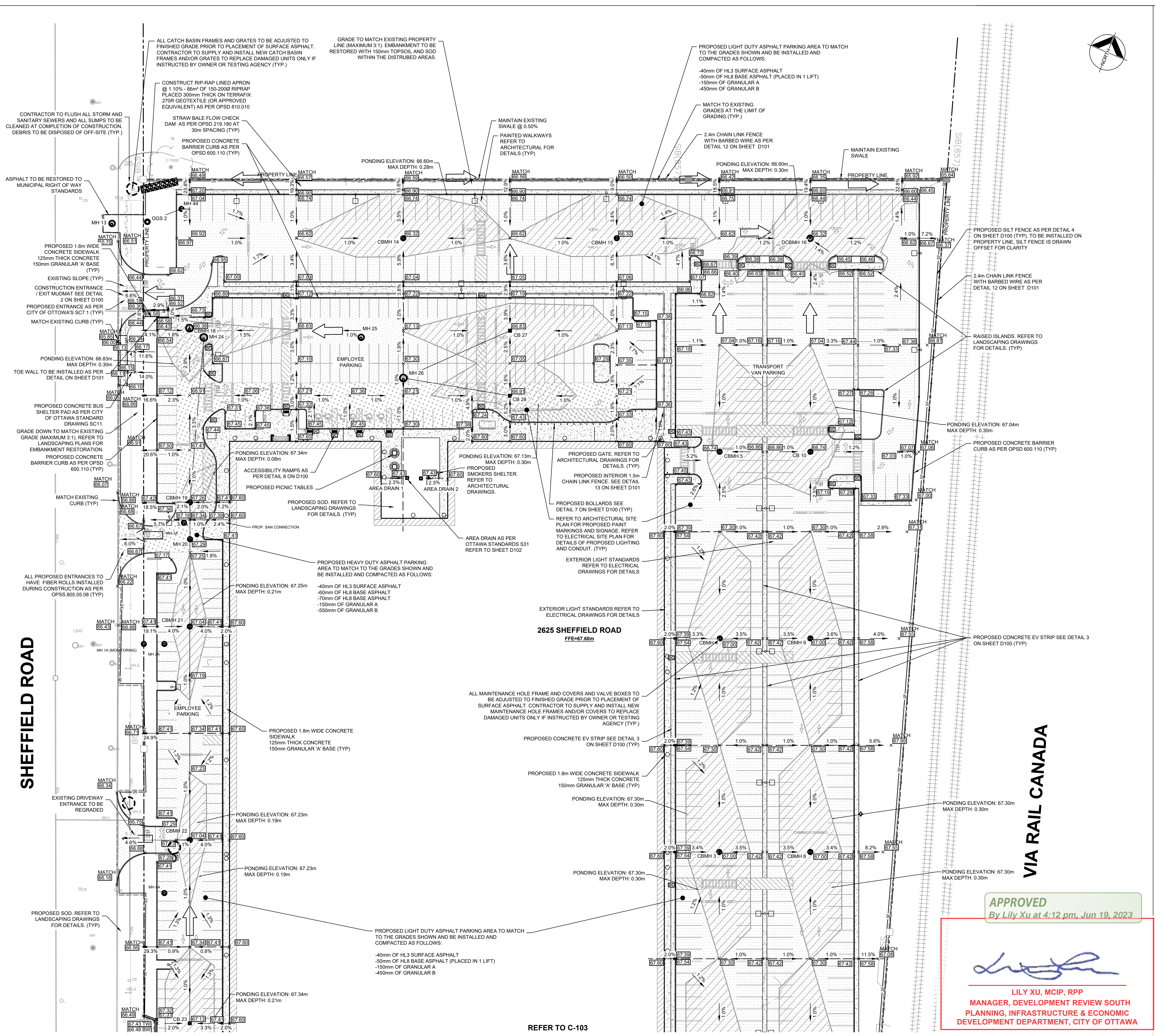
APPROVED
 By Lily Xu at 4:12 pm, Jun 19, 2023

LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

- NOTE:**
1. ALL REMOVED MATERIALS TO BE DISPOSED OF OFF SITE UNLESS OTHERWISE INDICATED.
 2. ALL TOPSOIL AND GRASS TO BE REMOVED FROM THE SITE EXCEPT AS REQUIRED FOR LANDSCAPING AND STOCKPILED ON SITE.
 3. AREA TO BE CUT AND FILLED TO SUBGRADE ELEVATIONS.
 4. ALL ABANDONED SERVICES TO COMPLY CITY OF OTTAWA'S STANDARDS F-4104



Checked: MK/KP Approved: MK/KP
Designer: LV
Project Management: MK/KP
Project Management: MK/KP
Last saved by: LAO.VANG (2023-03-23) Last Plotted: 2023-03-23
Filename: C:\USERS\LAO.VANG\AECOM\AMZN-AMER\BP-AMER (CAN) 60648725-DYT3 GEN3.1.BTSPROJECT FILES\900 DESIGN COLLABORATION\912_CIVIL\912_3_PUBLISHED\60634622 - AMZL OTTAWA - DYT3 -BTS-GRADING-C102-C103 - CSD2020.DWG



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- EX. VEGETATION
- EX. CB, DCB, CBMH AND MH
- PROPOSED CB, DCB, CBMH, DCBMH AND MH
- EX. SWALE/DITCH
- EX. CHAIN LINK FENCE
- EX. POST & WIRE FENCE
- EX. ABOVE GROUND HYDRO LINE
- EX. UNDERGROUND TELUS CABLE
- EX. MAN DOOR
- DIRECTION OF FLOW
- PROPOSED ELEVATION (EDGE OF ASPHALT)
- PROPOSED TOP OF RETAINING WALL
- PROPOSED BOTTOM OF RETAINING WALL
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED CONCRETE
- PROPOSED RIP RAP
- CATCH BASIN TREATMENT
- SILT FENCE
- CURB PER OPSD 600.110
- DRAINAGE DIVIDE
- LIMIT OF CONSTRUCTION
- SNOW STORAGE
- SURFACE PONDING LIMITS
- OVERLAND FLOW ROUTE
- PROPOSED SWALE/DITCH
- DEPRESSED CURB
- TYPICAL LIGHT STANDARD

REGISTRATION

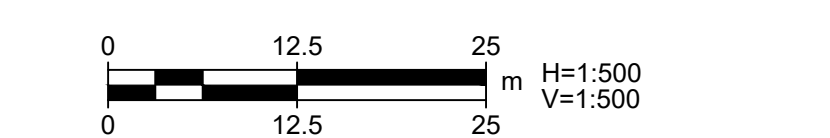
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KEY PLAN

APPROVED
By Lily Xu at 4:12 pm, Jun 19, 2023

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



AECOM

PROJECT
DYT3
OTTAWA, ONTARIO
2625 SHEFFIELD ROAD

OWNER
CHOICE PROPERTIES REIT
700-22 ST. CLAIR AVENUE EAST
TORONTO, Ontario, M4T 2S5
647 533 5057 tel

CONSULTANT
AECOM Canada Ltd.
50 Sportsworld Crossing Road, Suite 290
Kitchener, Ontario, N2P 0A4
519 650 5313 tel 519 650 3424 fax
www.aecom.com

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KEY PLAN

PROJECT NUMBER
60634622

SHEET TITLE
PROPOSED SITE GRADING
AND SEDIMENT
AND EROSION CONTROL

SHEET NUMBER
C102

PROJECT NUMBER
60634622

SHEET TITLE
PROPOSED SITE GRADING
AND SEDIMENT
AND EROSION CONTROL

SHEET NUMBER
C102

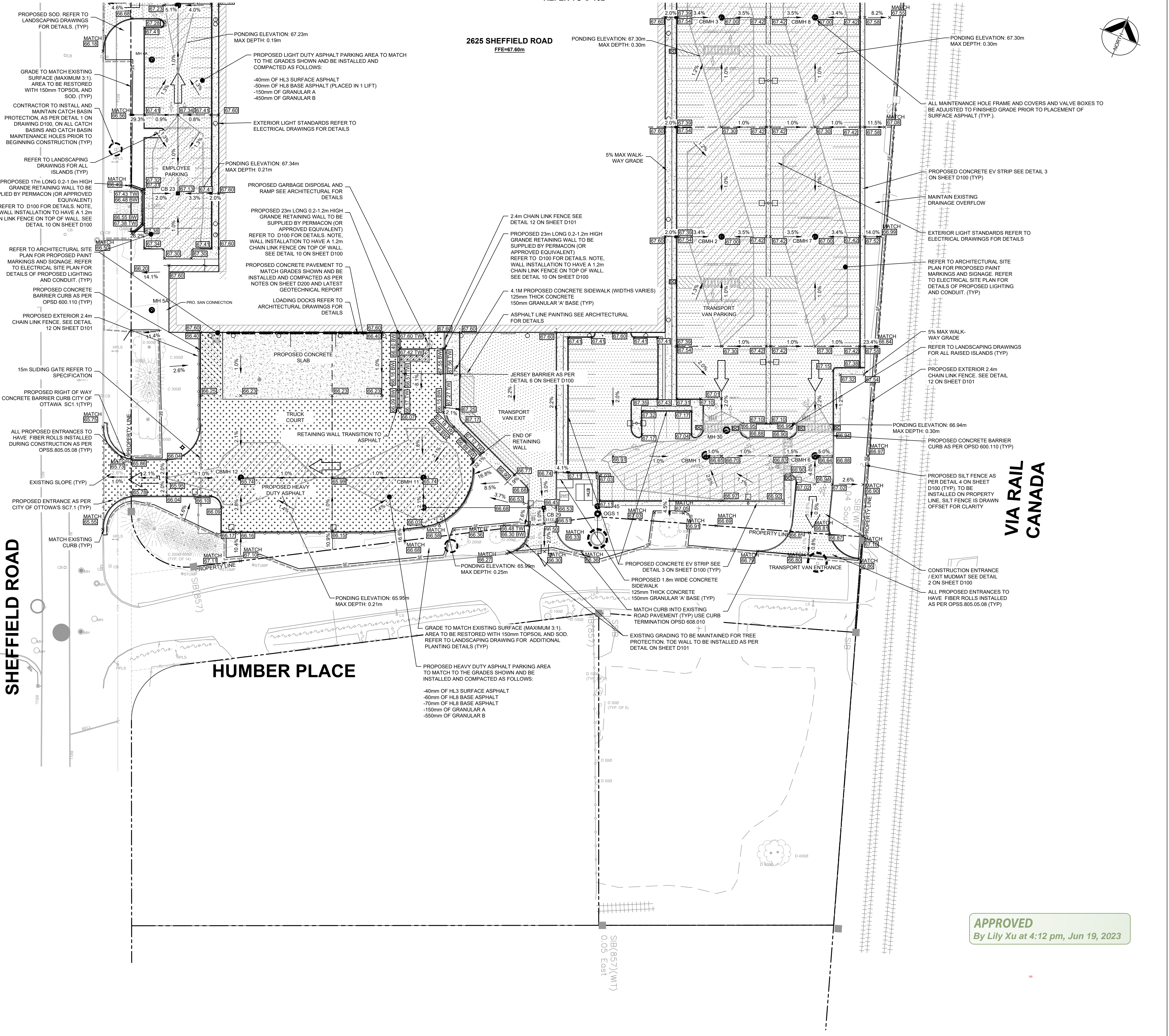
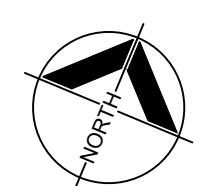
D07-12-22-0149

REFER TO C-102

2625 SHEFFIELD ROAD
 FFE=67.60m

PONDING ELEVATION: 67.30m
 MAX DEPTH: 0.30m

PONDING ELEVATION: 67.30m
 MAX DEPTH: 0.30m



SURVEY NOTES

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LEGEND

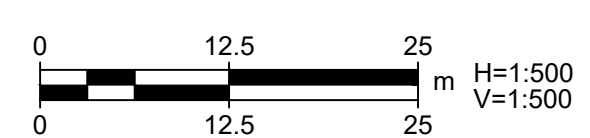
- PROPERTY LINE
- ▭ PROPOSED BUILDING OUTLINE
- ▭ PROPERTY BAR
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- × EX. SPOT ELEVATION
- ~ EX. VEGETATION
- EX. CB, DCB, CBMH AND MH
- EX. CB, DCB, CBMH, DCBHM AND MH
- ~ EX. SWALE/ DITCH
- EX. CHAIN LINK FENCE
- EX. POST & WIRE FENCE
- EX. ABOVE GROUND HYDRO LINE
- EX. UNDERGROUND TELUS CABLE
- ▲ EX. MAN DOOR
- DIRECTION OF FLOW
- × 269.45 PROPOSED ELEVATION (EDGE OF ASPHALT)
- × 269.45 TW PROPOSED TOP OF RETAINING WALL
- × 269.45 BW PROPOSED BOTTOM OF RETAINING WALL
- ▭ PROPOSED LIGHT DUTY ASPHALT
- ▭ PROPOSED HEAVY DUTY ASPHALT
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- DRAINAGE DIVIDE
- LIMIT OF CONSTRUCTION
- ▭ SNOW STORAGE
- SURFACE PONDING LIMITS
- OVERLAND FLOW ROUTE
- ~ PROPOSED SWALE/ DITCH
- DC DEPRESSED CURB
- TYPICAL LIGHT STANDARD

VIA RAIL CANADA

SHEFFIELD ROAD

HUMBER PLACE

APPROVED
 By Lily Xu at 4:12 pm, Jun 19, 2023



PROJECT
 DYT3
 OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

OWNER
 CHOICE PROPERTIES REIT
 700-22 ST. CLAIR AVENUE EAST
 TORONTO, Ontario, M4T 2S5
 647 533 5057 tel

CONSULTANT
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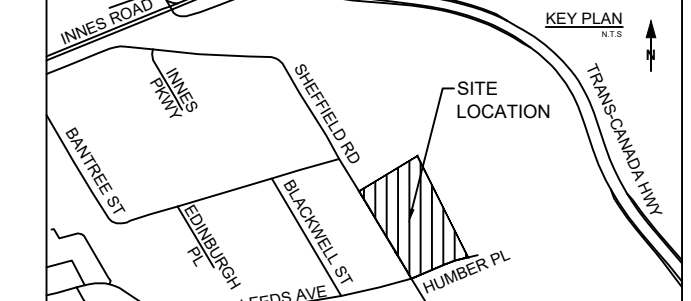
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KEY PLAN



PROJECT NUMBER

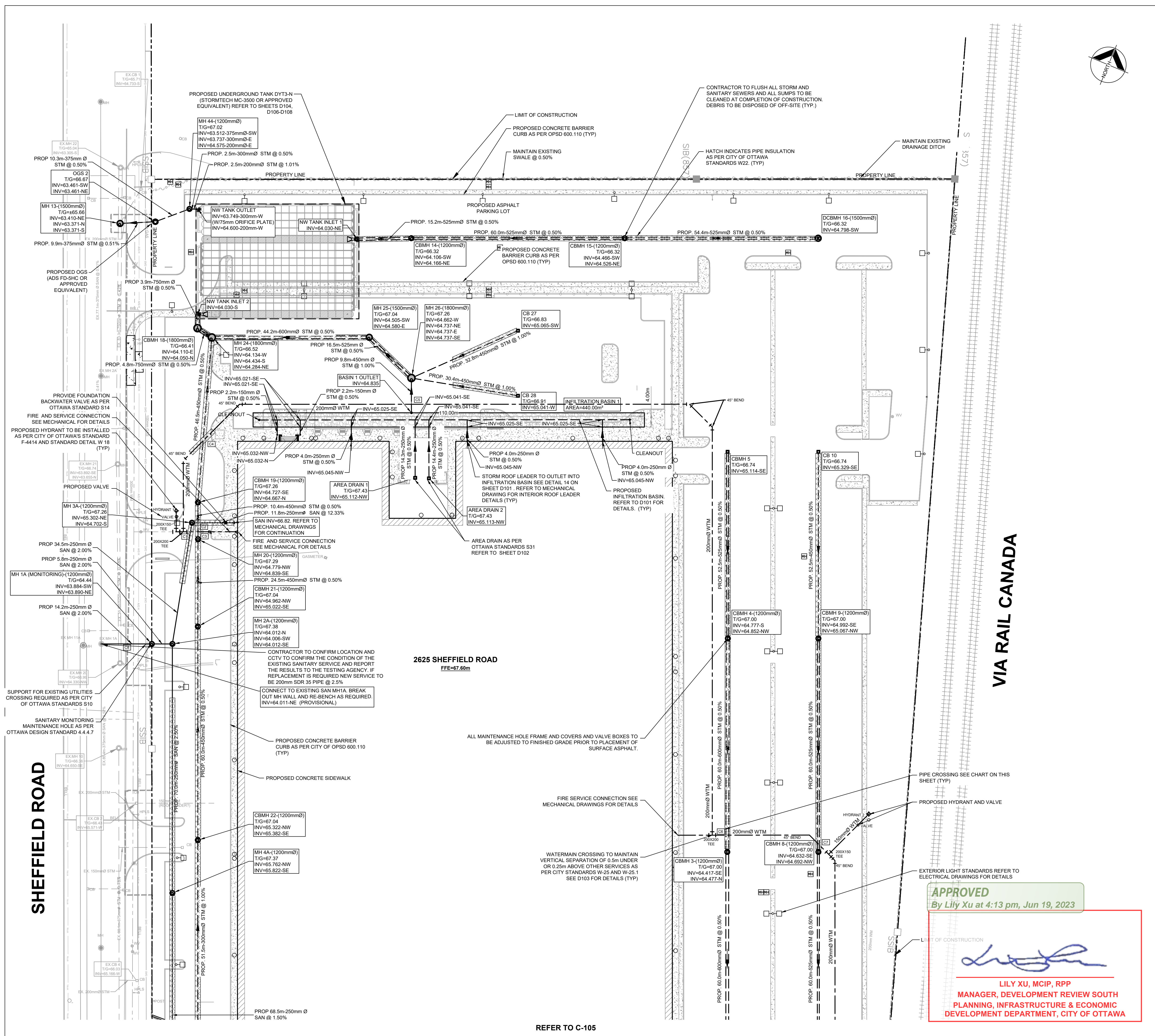
60634622

SHEET TITLE

PROPOSED SITE GRADING
 AND SEDIMENT
 AND EROSION CONTROL

SHEET NUMBER

C103



SURVEY NOTES

METRIC NOTE
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LEGEND

- PROPOSED BUILDING OUTLINE
- PROPERTY LINE
- PROPERTY BAR
- EX. CONTOUR
- EX. SPOT ELEVATION
- EX. VEGETATION
- EX. CB, DCB, CBMH AND MH
- EX. SWALE/DITCH
- EX. CHAIN LINK FENCE
- EX. POST & WIRE FENCE
- EX. ABOVE GROUND HYDRO LINE
- EX. UNDERGROUND TELUS CABLE
- PROPOSED CB, DCB, CBMH, DCBMH AND MH
- PROPOSED PVC STORM SEWER (LESS THAN 450mm DIA.)
- PROPOSED CONCRETE STORM SEWER (450mm DIA. AND LARGER)
- INSULATION ON STORM SEWER (AS PER DETAIL W22 ON D103)
- DIRECTION OF SEWER FLOW
- PROPOSED BARRIER CURB (AS PER OPSD 600.110)
- LIMIT OF CONSTRUCTION
- TYPICAL LIGHT STANDARD

CROSSING TABLE

CROSSING	PIPE INVERTS	CLEARANCE
C1	WM INV. = 65.40 SAN OBV. = 64.90	0.50
C2	SAN INV. = 65.52 STM OBV. = 65.42	0.10
C3	WM INV. = 65.40 STM OBV. = 64.48	0.92
C4	WM INV. = 65.74 STM OBV. = 65.24	0.50
C5	WM INV. = 65.561 STM OBV. = 65.311	0.25
C6	WM INV. = 65.20 STM OBV. = 64.95	0.25
C7	WM INV. = 65.47 STM OBV. = 65.22	0.25
C8	EX. STM INV. = 64.29 SAN OBV. = 63.75	0.54

EXISTING WATERMAIN TO BE DEFLECTED USING VERTICAL BENDS TO ACHIEVE MIN SEPARATION OF 0.25m ABOVE AND 0.5m BELOW AS PER CITY OF OTTAWA W25 AND W25.2. INSULATED PIPES TO INSULATED AS PER CITY OF OTTAWA W22. CONTRACTOR TO ADVISE TESTING AGENCY FOR FIELD REVIEW AND APPROVAL AND COORDINATE ANY SHUT DOWN WITH OWNER AND/OR MUNICIPALITY.

* CONTRACTOR TO CONFIRM LOCATION AND DEPTH

APPROVED
 By Lily Xu at 4:13 pm, Jun 19, 2023

LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

0 12.5 25 m H=1:500
 0 12.5 25 V=1:500

AECOM

PROJECT
 DYT3
 OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

OWNER
 CHOICE PROPERTIES REIT
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CONSULTANT
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 www.aecom.com

REGISTRATION

2023-03-23
 M. KILJANIN
 100212332
 PROVINCE OF ONTARIO

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KEY PLAN

PROJECT NUMBER
 60634622

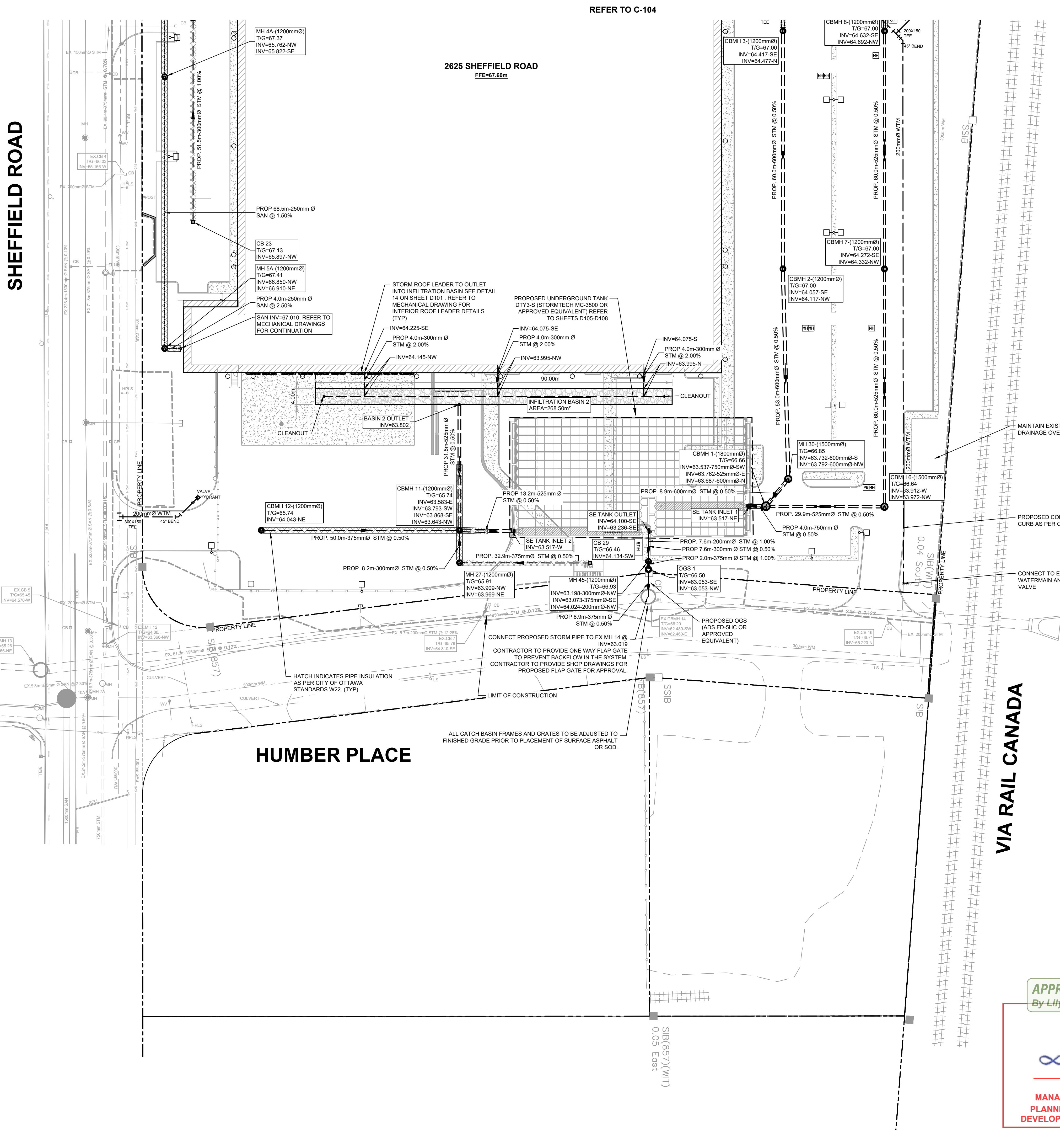
SHEET TITLE
 PROPOSED SITE SERVICING

SHEET NUMBER
 C104

PLAN NO.: 18547

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 Project Management Initials: Designer: LV
 Checked: MKYY Approved: MKKP ARCH D 24" x 36"

SHEFFIELD ROAD



REFER TO C-104

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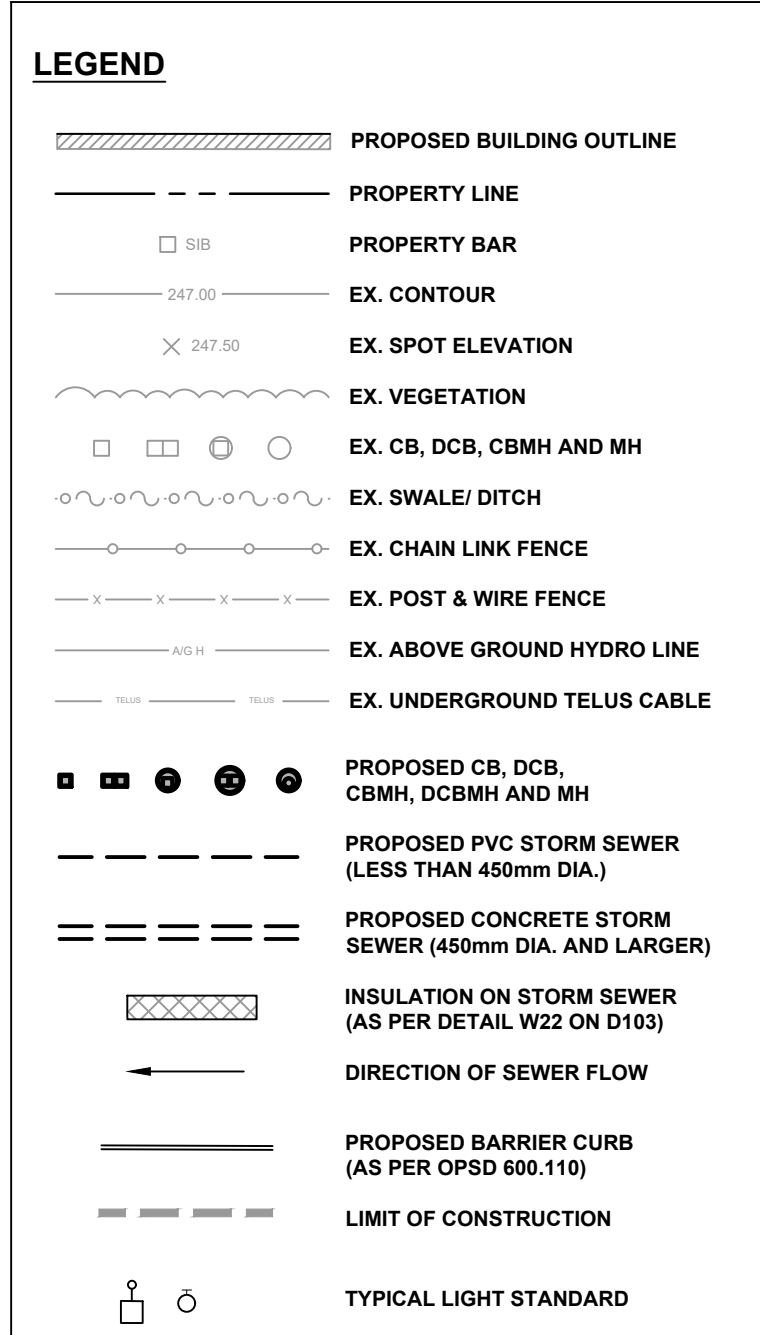
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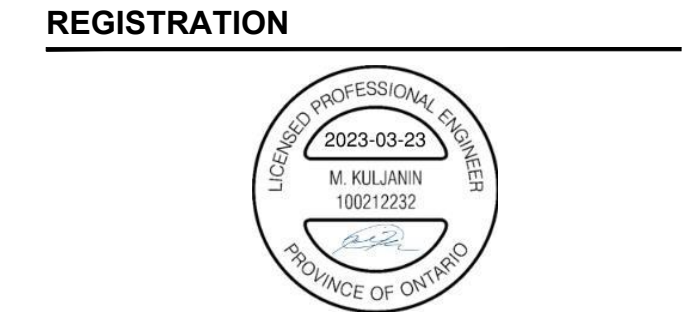
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DYT3
OTTAWA, ONTARIO
2625 SHEFFIELD ROAD

OWNER
CHOICE PROPERTIES REIT
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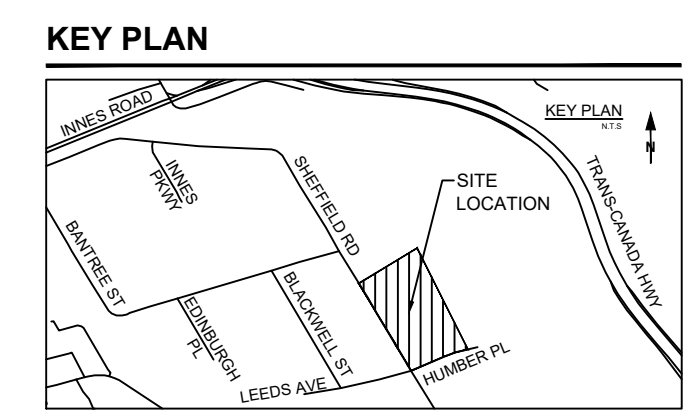
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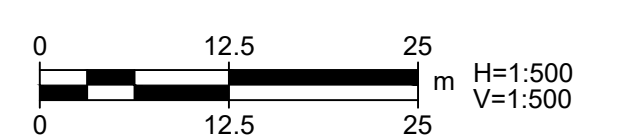
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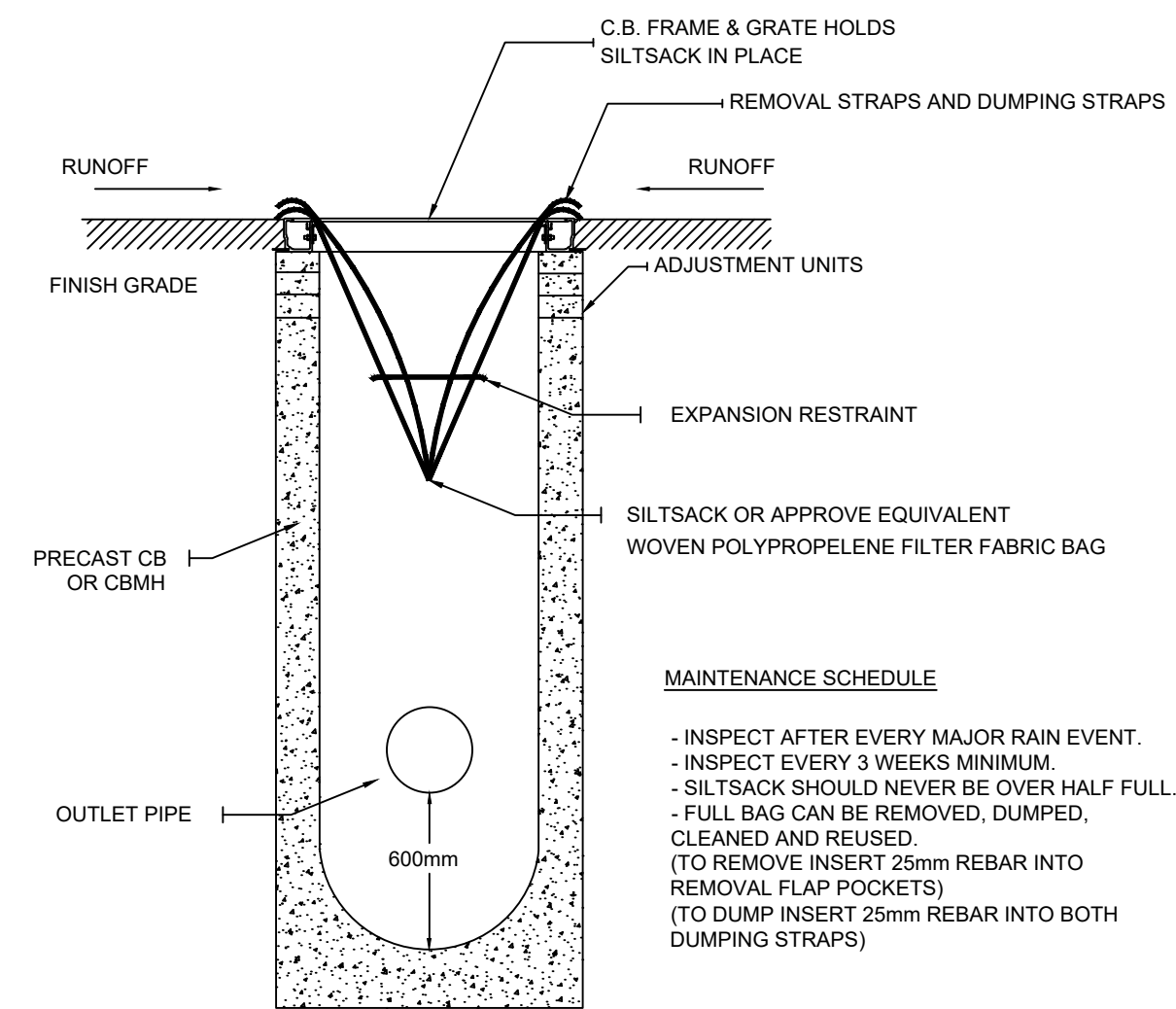
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C105

APPROVED
By Lily Xu at 4:13 pm, Jun 19, 2023

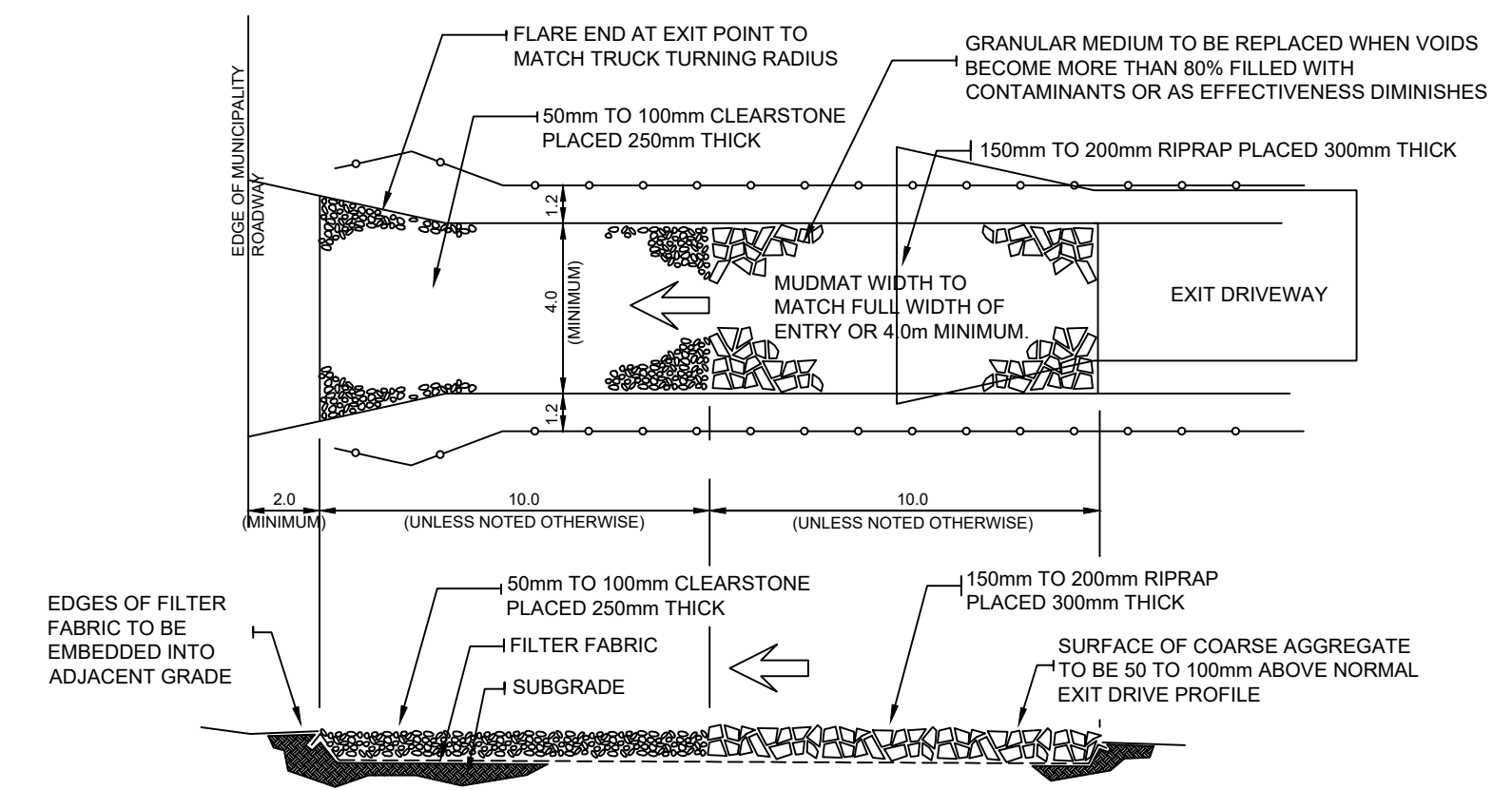
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



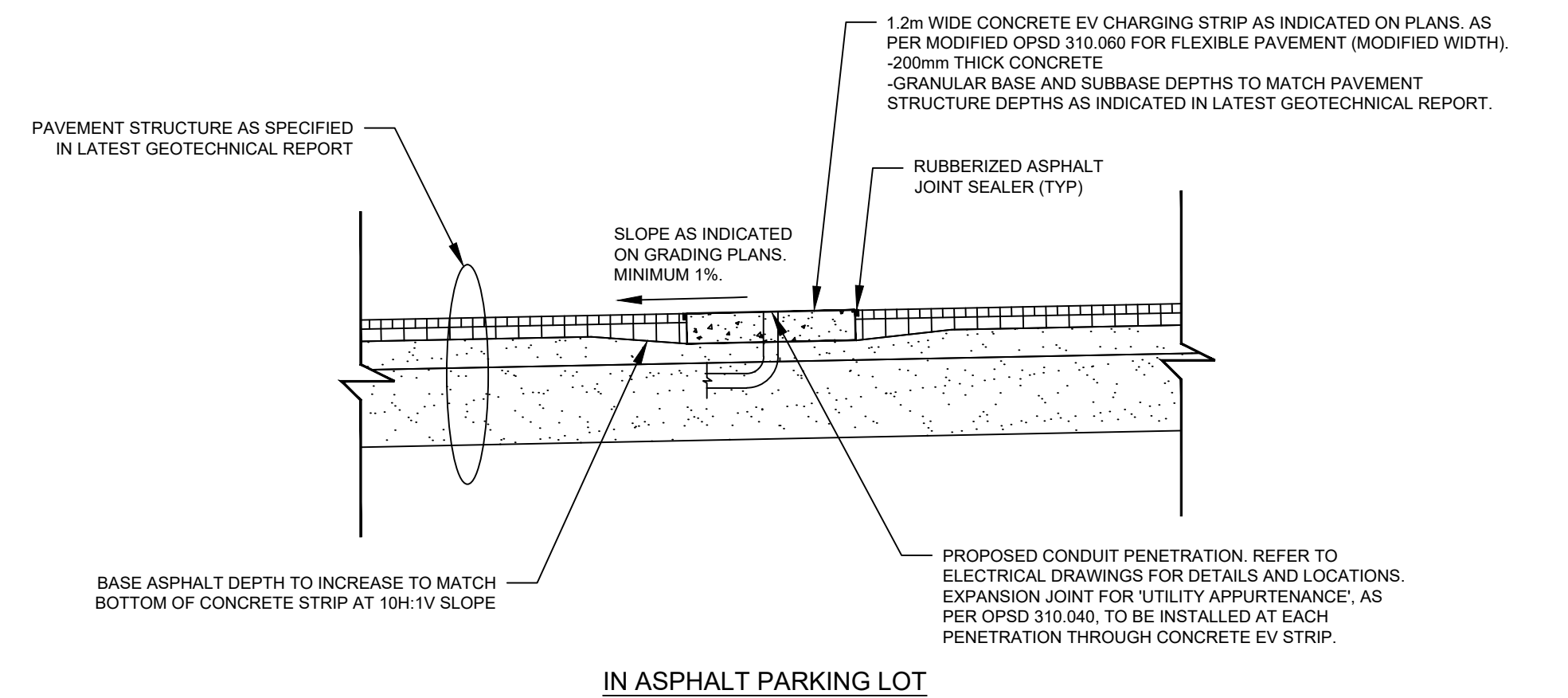
D07-12-22-0149



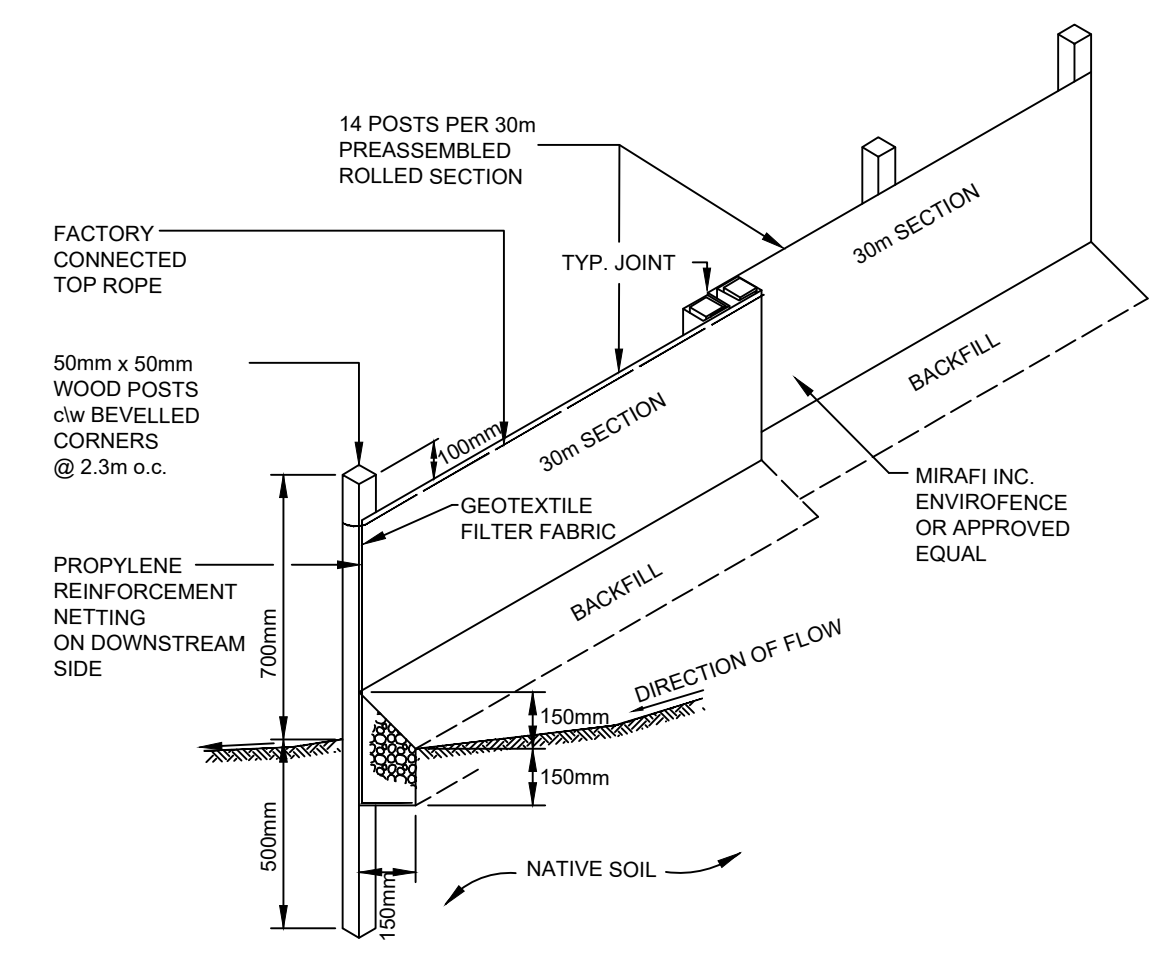
DETAIL CATCH BASIN PROTECTION
NOT TO SCALE



DETAIL EXIT MUDMAT
NOT TO SCALE



DETAIL CONCRETE EV STRIP DETAILS
NOT TO SCALE

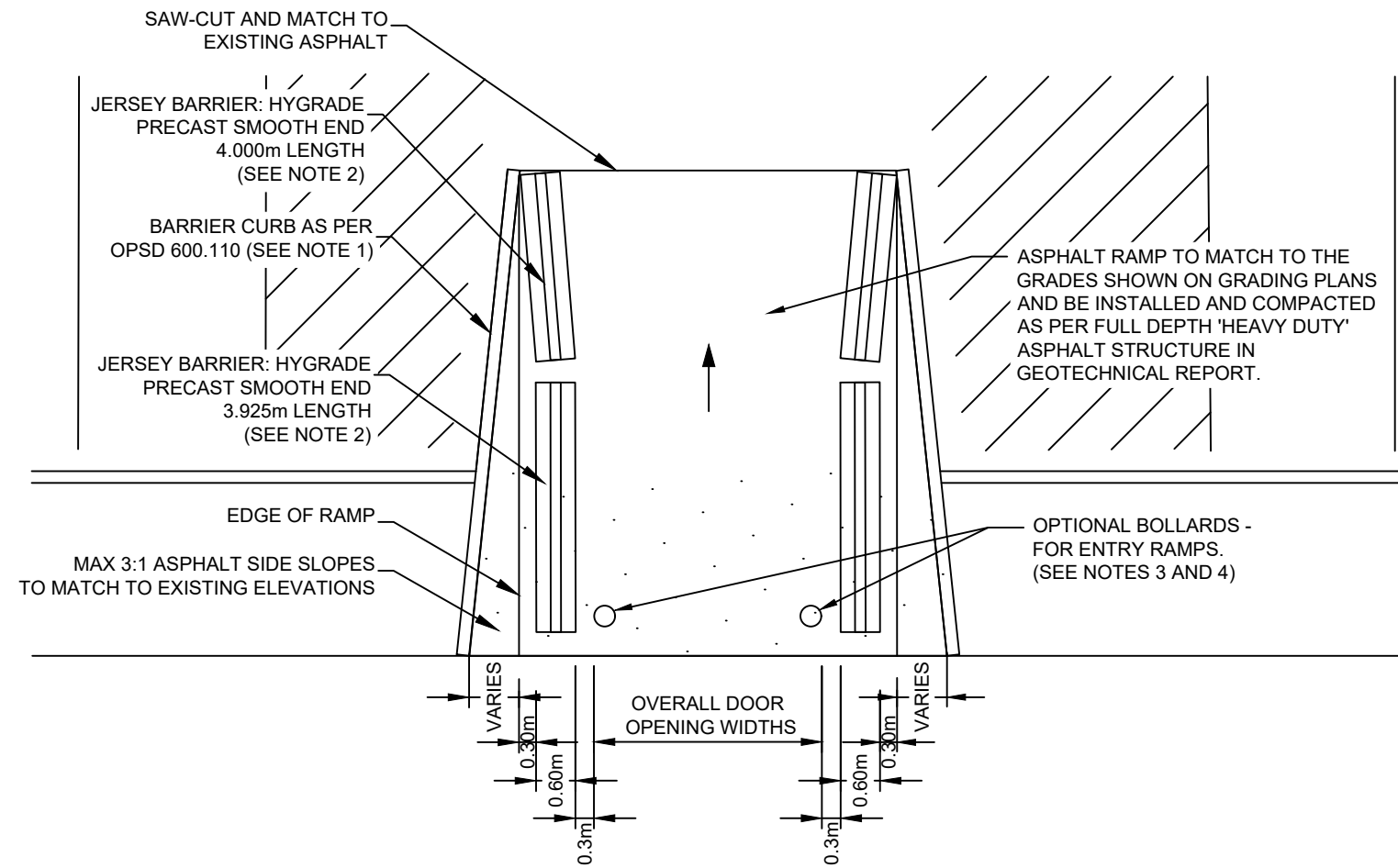


DETAIL SILTATION CONTROL FENCE
NOT TO SCALE MODIFIED OPSD 219,110

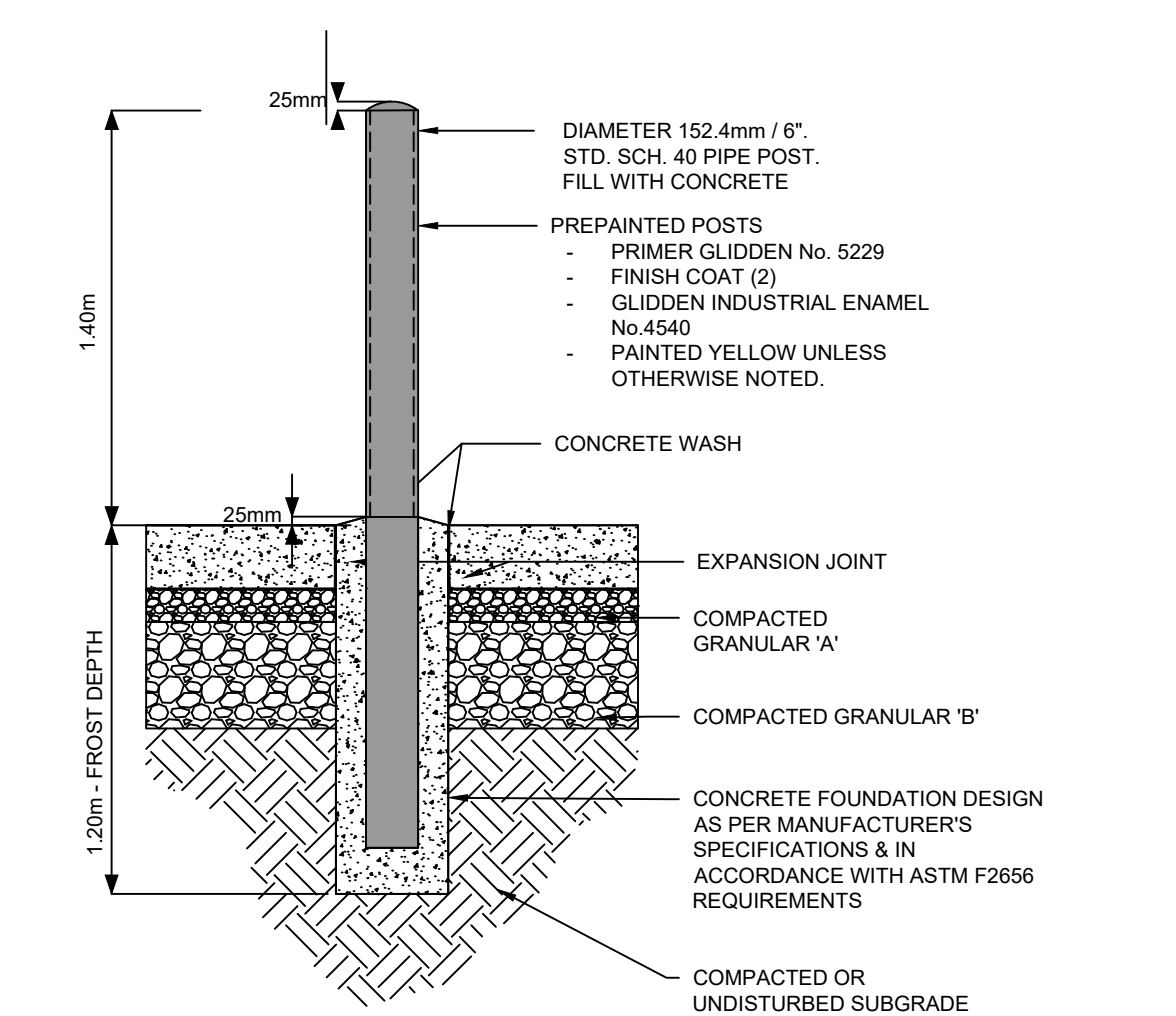
STORM EVENT	WATER DEPTH (m)	WATER ELEVATION (m)	STORAGE VOLUME (m³)	PEAK FLOW (m³/s)	MAX. OUTFLOW (m³/s)
25mm	0.58	63.83	511	0.009	0.009
2-YEAR	0.74	63.99	670	0.010	0.007
5-YEAR	0.94	64.19	869	0.012	0.011
100-YR	1.52	64.77	1270	0.015	0.018

TABLE PROPOSED STORAGE - STAGE - DISCHARGE
(6-HOUR STORM DURATION)

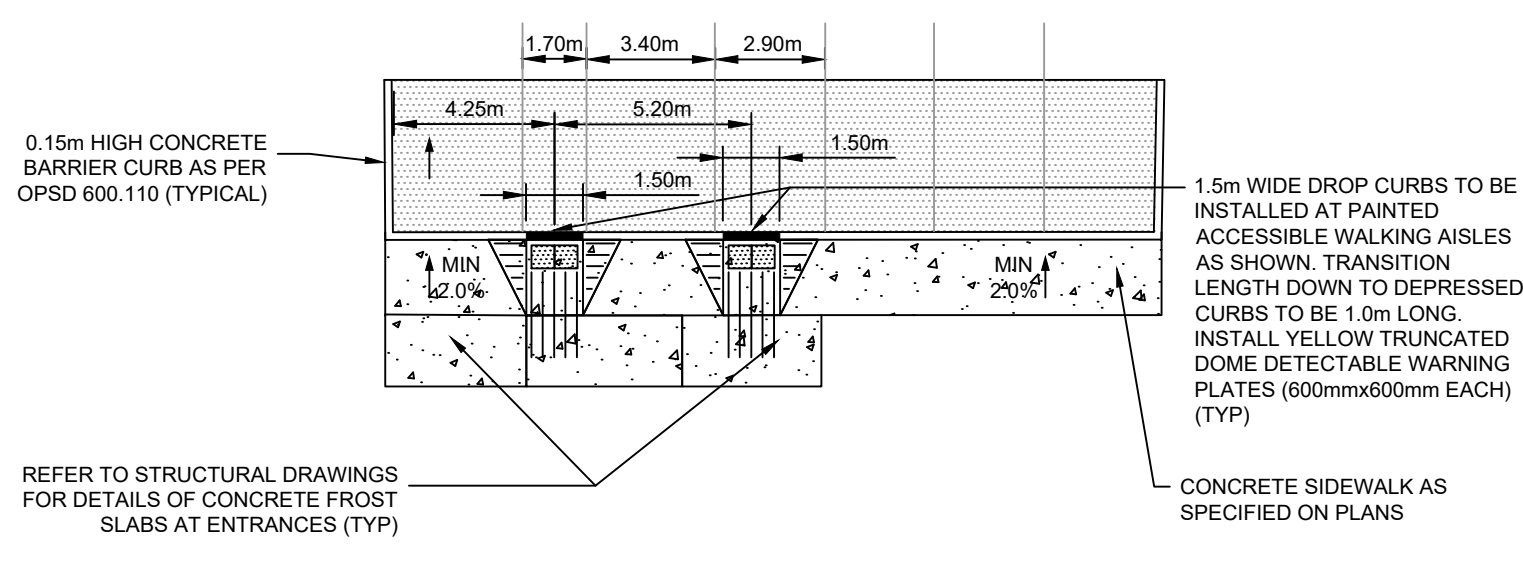
- NOTES:**
1. RAMPS GREATER THAN 600mm GRADE CHANGE: BOTTOM OF RAMP SIDE SLOPES TO BE SUPPORTED WITH BARRIER CURB AS PER OPSD 600,110.
 2. JERSEY BARRIERS TO BE PRE CAST TYPE-M OPSD 911,160 AND BE PINNED IN PLACE IN ACCORDANCE WITH OPSD 911,1620.
 3. FOR ENTRY RAMPS: 150mm Ø BOLLARDS TO BE PROVIDED ON EITHER SIDE OF ENTRY DOOR. MINIMUM 0.3m CLEARANCE FROM EDGE OF DOORWAY OPENING TO BOLLARDS TO BE PROVIDED.
 4. JERSEY BARRIERS TO HAVE MINIMUM 0.3m CLEARANCE FROM EDGE OF DOORWAY OPENING OR BOLLARDS WHEN APPLICABLE.
 5. PRE-CAST CONCRETE RETAINING WALLS TO BE SUBSTITUTED FOR ASPHALT SIDE SLOPES AND CURBS IF INDICATED ON SITE SPECIFIC DRAWINGS. RETAINING WALLS HIGHER THAN 600mm TO INCLUDE CHAIN LINK FENCE INSTALLED INTO TOP OF RETAINING WALL AS PER ONTARIO BUILDING CODE REQUIREMENTS.



DETAIL TYPICAL ENTRY/EXIT ASPHALT RAMP FOR BUILDING
NOT TO SCALE



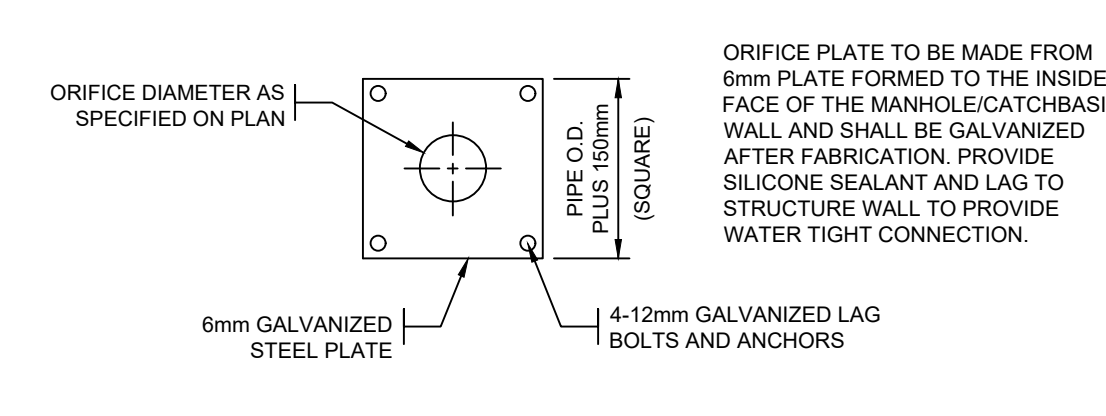
DETAIL STANDARD BOLLARD
NOT TO SCALE



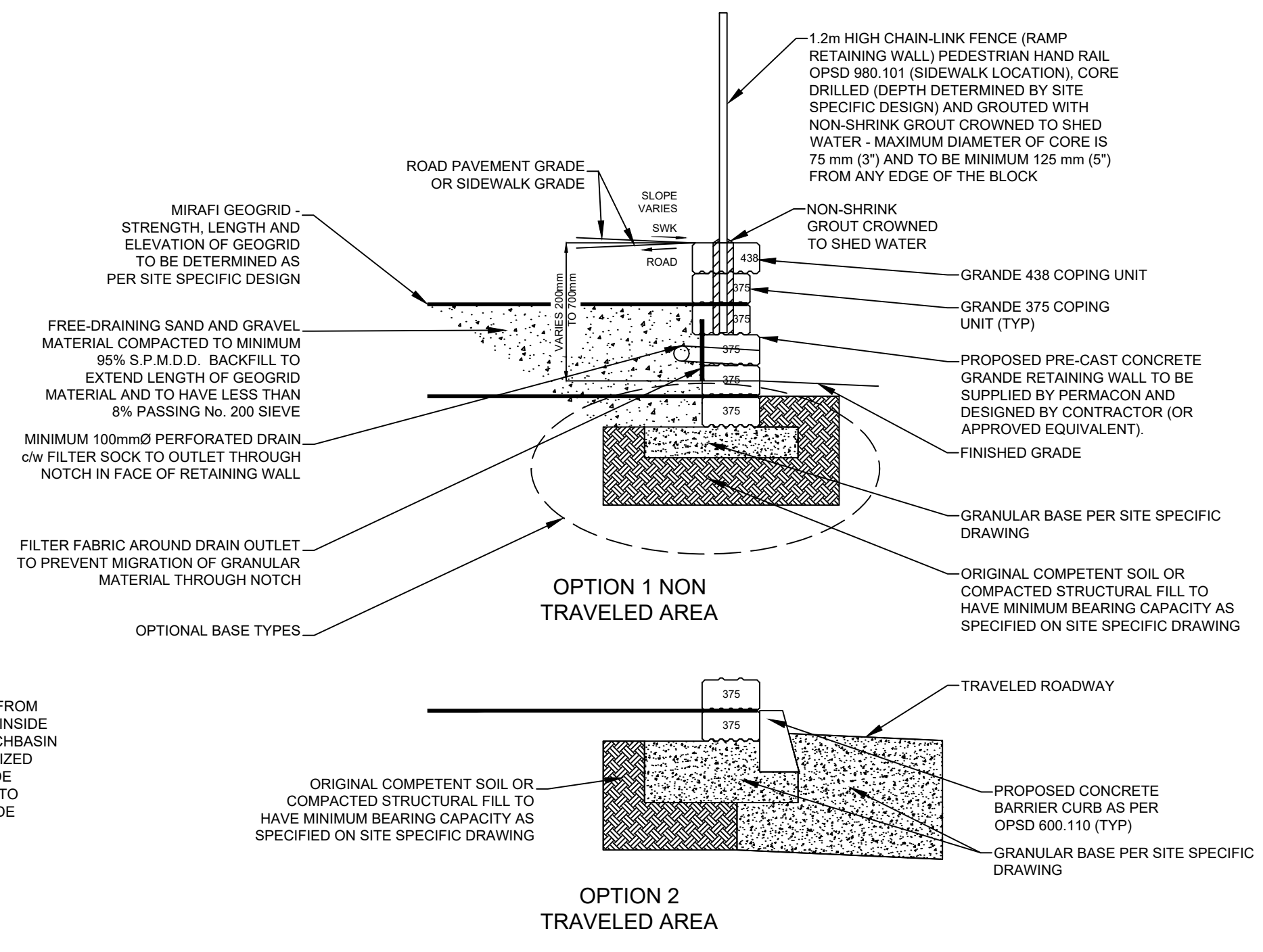
DETAIL TRUNCATED DOME PLATES
NOT TO SCALE TYPICAL FOR ACCESSIBLE PARKING SPACES

APPROVED
 By Lily Xu at 4:13 pm, Jun 19, 2023

 LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

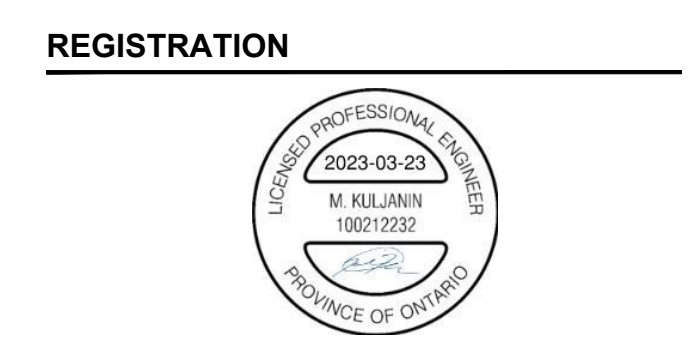


DETAIL ORIFICE PLATE CONSTRUCTION FOR MANHOLE WALL INSTALLATION
NOT TO SCALE



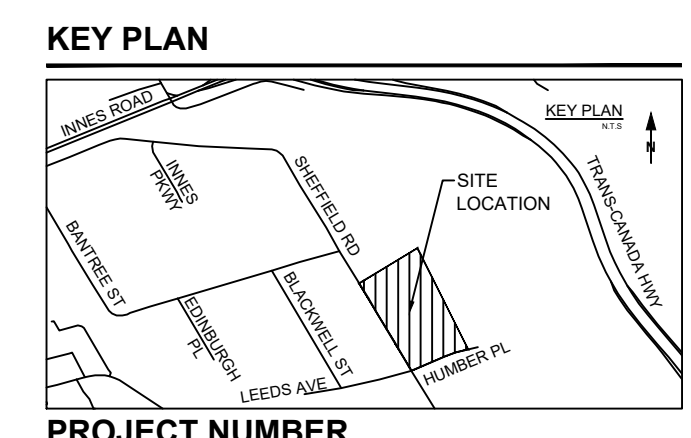
DETAIL TYPICAL GRANDE RETAINING WALL
NOT TO SCALE

NOTE:
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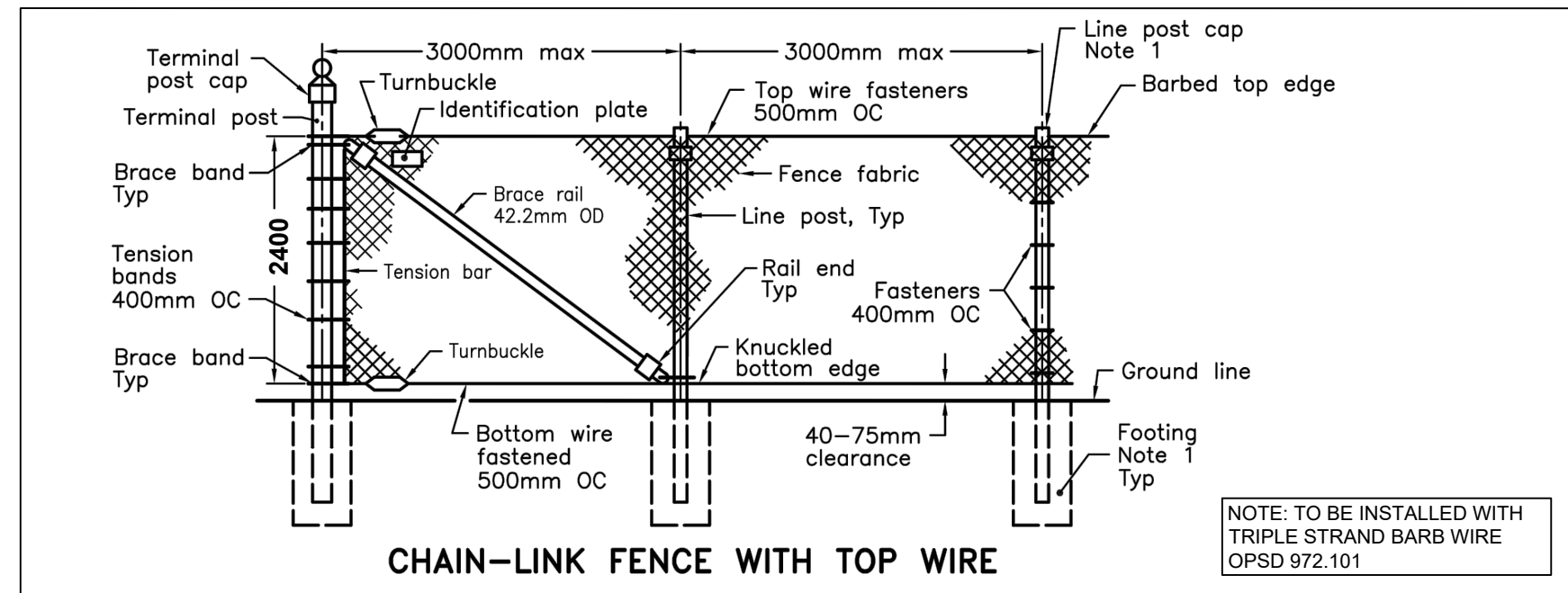


ISSUE/REVISION

I/R	DATE	DESCRIPTION
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6	2023-03-06	ISSUED FOR BID
5	2023-02-07	REISSUED FOR SPA
4	2022-12-02	ISSUED FOR BID
3	2022-11-23	ISSUED FOR BID
2	2022-10-07	ISSUED FOR SPA

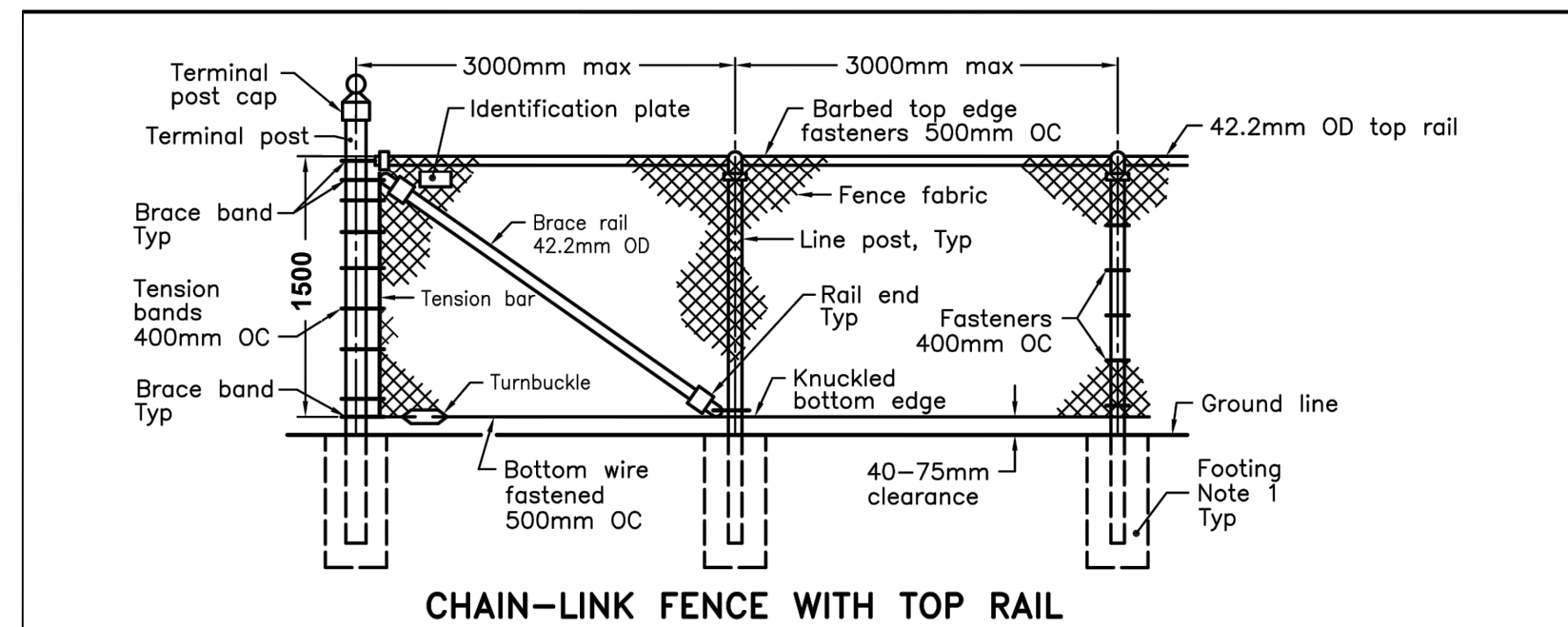


ARCH D 24" x 36" Checked: MKYY Approved: MK/KP Designer: LV Project Management Initials: Project Management Initials: LAG/VANG/2023-03-21 Last Plotted: 2023-03-21 File name: C:\USERS\LAO.VANG\ACCS\AECOM\AMZN-AMER\BPP-AMER (CAN) 60648725-DYT3 GEN3.1 BTP\PROJECT FILES\900 DESIGN COLLABORATION\912_CIVIL\912_3_PUBLISHED\60634622 - AMZL OTTAWA - DYT3 - DETAILS.DWG



DETAIL 2.4m CHAIN LINK FENCE
NOT TO SCALE MODIFIED OPSD 972.130

12



DETAIL 1.5m CHAIN LINK FENCE
NOT TO SCALE MODIFIED OPSD 972.130

13

STRUCTURE TABLE				
STRUCTURE NAME	STRUCTURE TYPE	GRATE TYPE	FINISHED COVER ELEVATION	INVERTS
CBMH 1	OPSD 701.012	OPSD 400.020	66.656	E 63.762 525mmØ N 63.687 600mmØ SW 63.537 750mmØ
MH 30	OPSD701.011	OPSD 400.020	66.850	S 63.732 600mmØ NW 63.792 600mmØ
CBMH 2	OPSD 701.010	OPSD 400.020	66.998	SE 64.057 600mmØ NW 64.117 600mmØ
CBMH 3	OPSD 701.010	OPSD 400.020	66.998	SE 64.417 600mmØ NW 64.477 600mmØ
CBMH 5	OPSD 705.010	OPSD 400.020	66.738	SE 65.114 525mmØ
CBMH 6	OPSD 701.011	OPSD 400.020	66.641	W 63.912 525mmØ NW 63.972 525mmØ
CBMH 7	OPSD 701.010	OPSD 400.020	66.997	SE 64.272 525mmØ NW 64.332 525mmØ
CBMH 8	OPSD 701.010	OPSD 400.020	66.997	SE 64.632 525mmØ NW 64.692 525mmØ
CB 10	OPSD 705.010	OPSD 400.020	66.736	SE 65.329 450mmØ
CBMH 11	OPSD 701.010	OPSD 400.020	65.743	E 63.583 525mmØ SW 63.793 375mmØ SE 63.868 300mmØ NW 63.643 525mmØ
CBMH 12	OPSD 705.010	OPSD 400.020	65.743	NE 64.043 375mmØ
MH 27	OPSD 701.010	OPSD 401.010	65.907	NW 63.909 300mmØ NE 63.969 375mmØ
CB 29	OPSD 705.010	OPSD 400.020	66.458	SW 64.134 375mmØ
CBMH 14	OPSD 701.010	OPSD 400.020	66.319	SW 64.106 525mmØ NE 64.166 525mmØ
CBMH 15	OPSD 701.010	OPSD 400.020	66.319	SW 64.466 525mmØ NE 64.526 525mmØ
DCBMH 16	OPSD 701.011	OPSD 400.020	66.322	SW 64.798 525mmØ
CBMH 18	OPSD 701.011	OPSD 400.020	66.414	E 64.110 750mmØ N 64.050 750mmØ
MH 24	OPSD 701.011	OPSD 400.020	66.521	W 64.134 750mmØ NE 64.284 600mmØ S 64.434 450mmØ
MH 25	OPSD 701.020	OPSD 400.020	67.043	SW 64.505 600mmØ E 64.580 525mmØ
MH 26	OPSD 701.012	OPSD 401.010	67.257	W 64.662 525mmØ NE 64.737 450mmØ E 64.737 450mmØ SE 64.737 450mmØ
CB 27	OPSD 705.010	OPSD 400.020	66.827	SW 65.065 450mmØ
CB 28	OPSD 705.010	OPSD 400.020	66.911	W 65.041 450mmØ
CBMH 19	OPSD 701.010	OPSD 400.020	67.264	SE 64.727 450mmØ N 64.667 450mmØ
MH 20	OPSD 701.010	OPSD 401.101	67.286	NW 64.779 450mmØ SE 64.839 450mmØ
CBMH 21	OPSD 701.010	OPSD 400.020	67.043	NW 64.962 450mmØ SE 65.022 450mmØ
CBMH 22	OPSD 701.010	OPSD 400.020	67.043	NW 65.322 450mmØ SE 65.382 300mmØ
CB 23	OPSD 705.010	OPSD 400.020	67.127	NW 65.897 300mmØ
MH 44	OPSD 701.010	OPSD 401.101	67.022	SW 63.512 375mmØ NE 63.737 300mmØ E 64.575 200mmØ
MH 45	OPSD 701.010	OPSD 401.101	66.931	SE 63.073 375mmØ NW 63.198 300mmØ NW 64.024 200mmØ
OGS 1	ADS FD-SHC	OPSD 401.010	66.503	SE 63.053 375mmØ NW 63.053 375mmØ
OGS 2	ADS FD-SHC	OPSD 401.101	66.669	SW 63.461 375mmØ NE 63.461 375mmØ

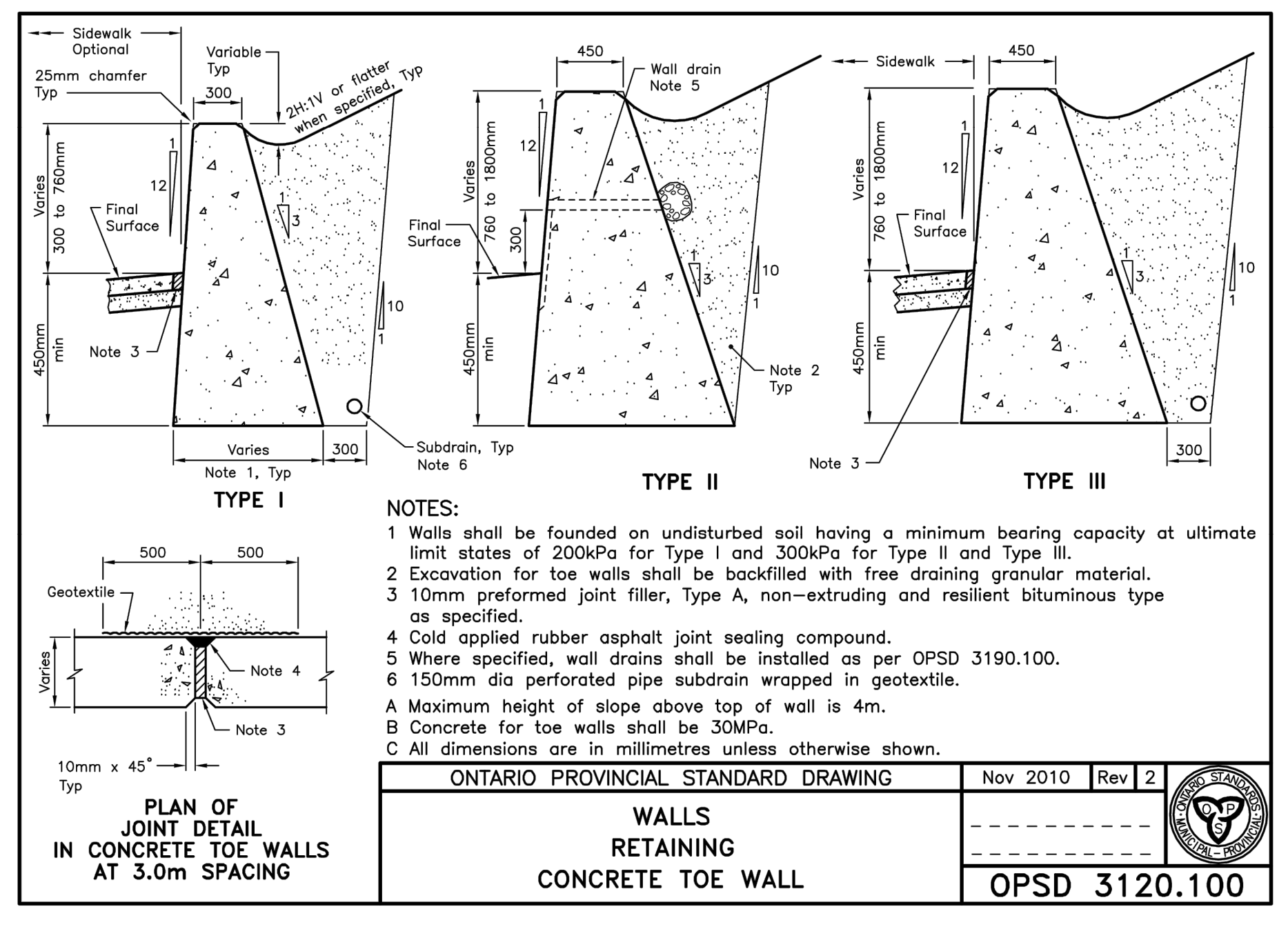
TABLE PROPOSED STORM STRUCTURE TABLE

15

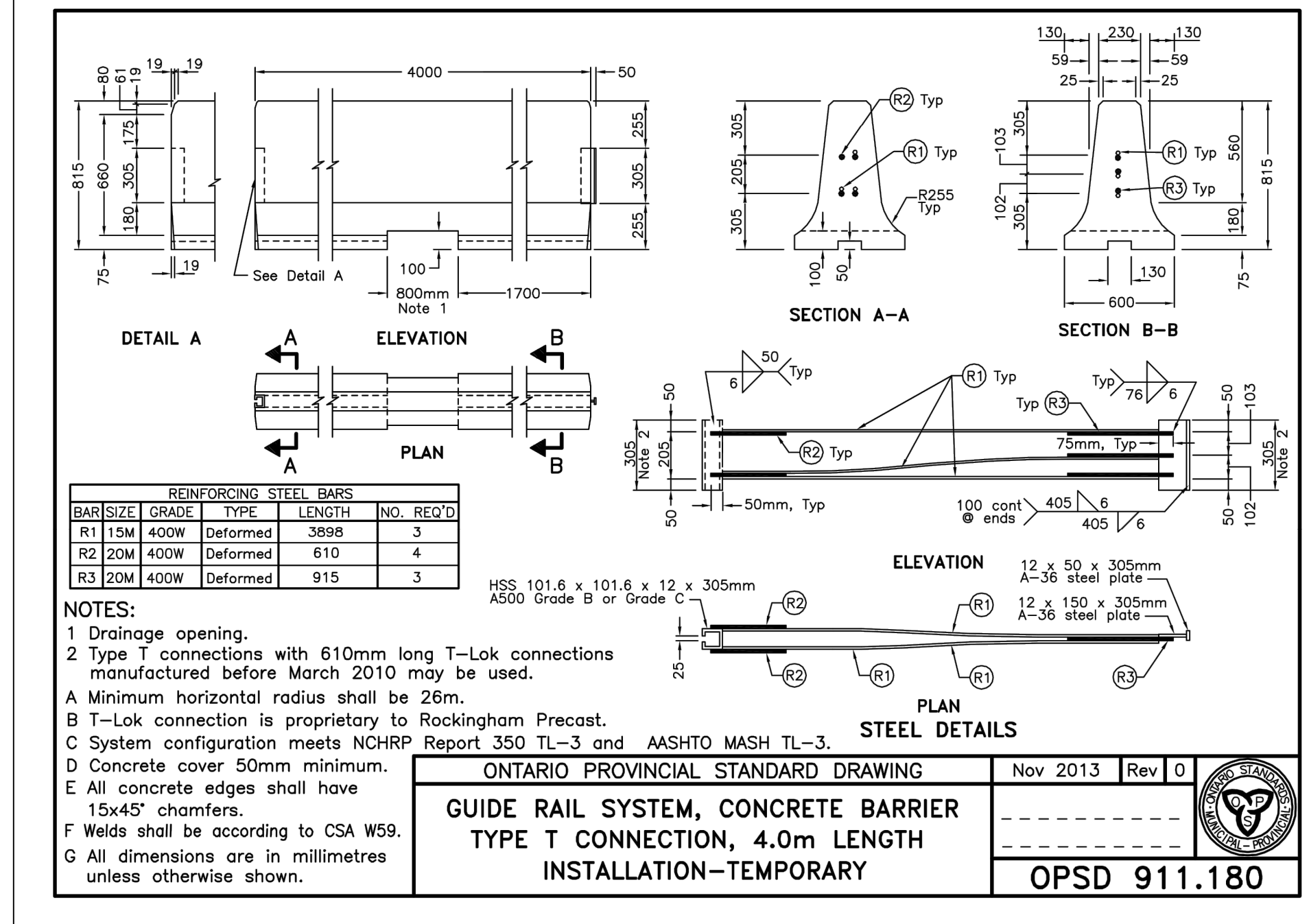
STRUCTURE TABLE				
STRUCTURE NAME	STRUCTURE TYPE	GRATE TYPE	FINISHED COVER ELEVATION	INVERTS
MH 1A (MONITORING)	OPSD 701.010	OPSD 400.020	64.441	SW 63.884 250mmØ NE 63.890 250mmØ
MH 2A	OPSD 701.010	OPSD 400.020	67.382	N 64.012 250mmØ SW 64.006 250mmØ SE 64.012 250mmØ
MH 3A	OPSD 701.010	OPSD 400.020	67.258	S 64.702 250mmØ NE 65.302 250mmØ
MH 4A	OPSD 701.010	OPSD 400.020	67.370	SE 65.822 250mmØ NW 65.762 250mmØ
MH 5A	OPSD 701.010	OPSD 400.020	67.407	NW 66.850 250mmØ NE 66.910 250mmØ

TABLE PROPOSED SANITARY STRUCTURE TABLE

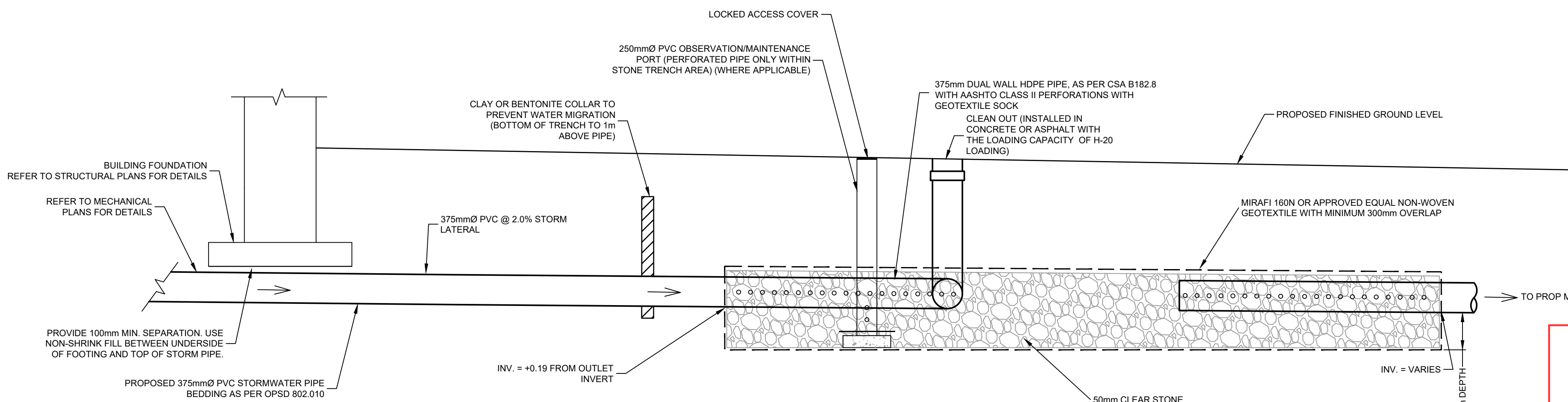
16



ONTARIO PROVINCIAL STANDARD DRAWING			
NO.	DATE	REV.	DESCRIPTION
1	Nov 2010	Rev 2	WALLS RETAINING CONCRETE TOE WALL
OPSD 3120.100			



ONTARIO PROVINCIAL STANDARD DRAWING			
NO.	DATE	REV.	DESCRIPTION
1	Nov 2013	Rev 0	GUIDE RAIL SYSTEM, CONCRETE BARRIER TYPE T CONNECTION, 4.0m LENGTH INSTALLATION-TEMPORARY
OPSD 911.180			



DETAIL ROOF DRAINAGE INFILTRATION BASIN (TYP)

14

APPROVED

 LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



PROJECT
 DYT3
 OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

OWNER
 CHOICE PROPERTIES REIT
 700-22 ST. CLAIR AVENUE EAST
 TORONTO, Ontario, M4T 2S5
 647 533 5057 tel

CONSULTANT
 AECOM Canada Ltd.
 50 Sportsworld Crossing Road, Suite 290
 Kitchener, Ontario, N2P 0A4
 519 650 5313 tel 519 650 3424 fax
 www.aecom.com

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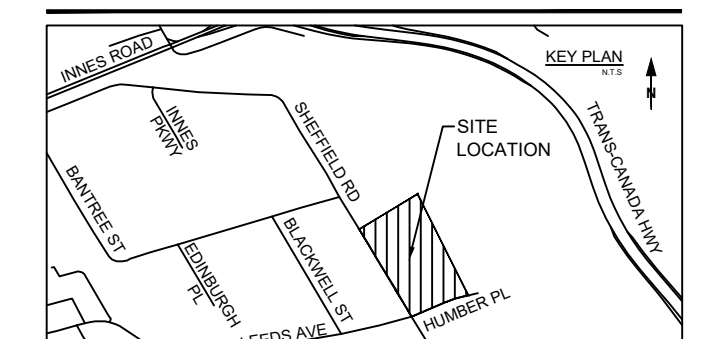
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION
8	2023-03-22	REISSUED FOR SPA
7	2023-03-21	ISSUED FOR ADD-C-01
6	2023-03-06	ISSUED FOR BID
5	2023-02-07	REISSUED FOR SPA
4	2022-12-02	ISSUED FOR BID
3	2022-11-23	ISSUED FOR BID

KEY PLAN



PROJECT NUMBER

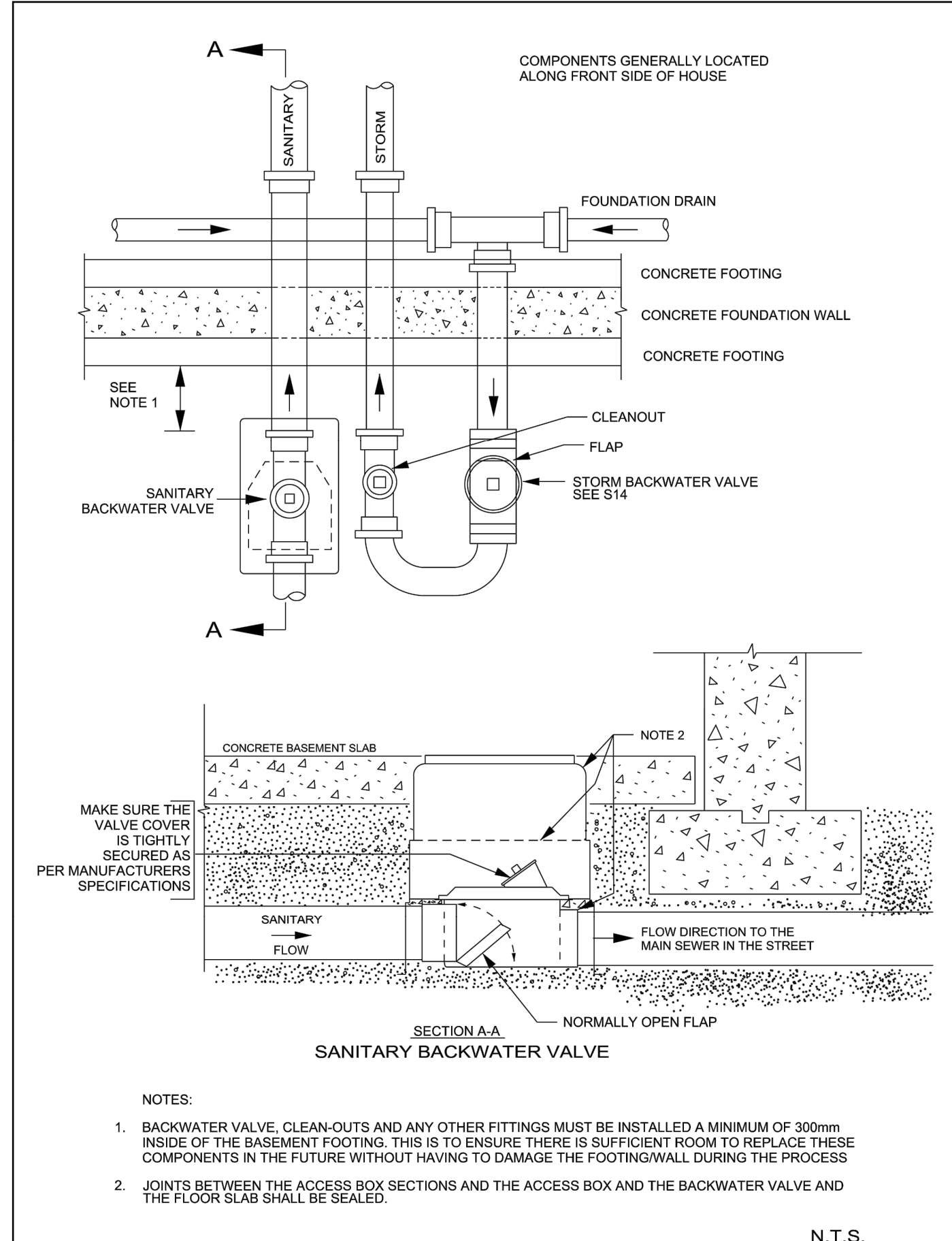
60634622

SHEET TITLE

STRUCTURE TABLES,
 STORMWATER AND
 FENCE DETAILS

SHEET NUMBER

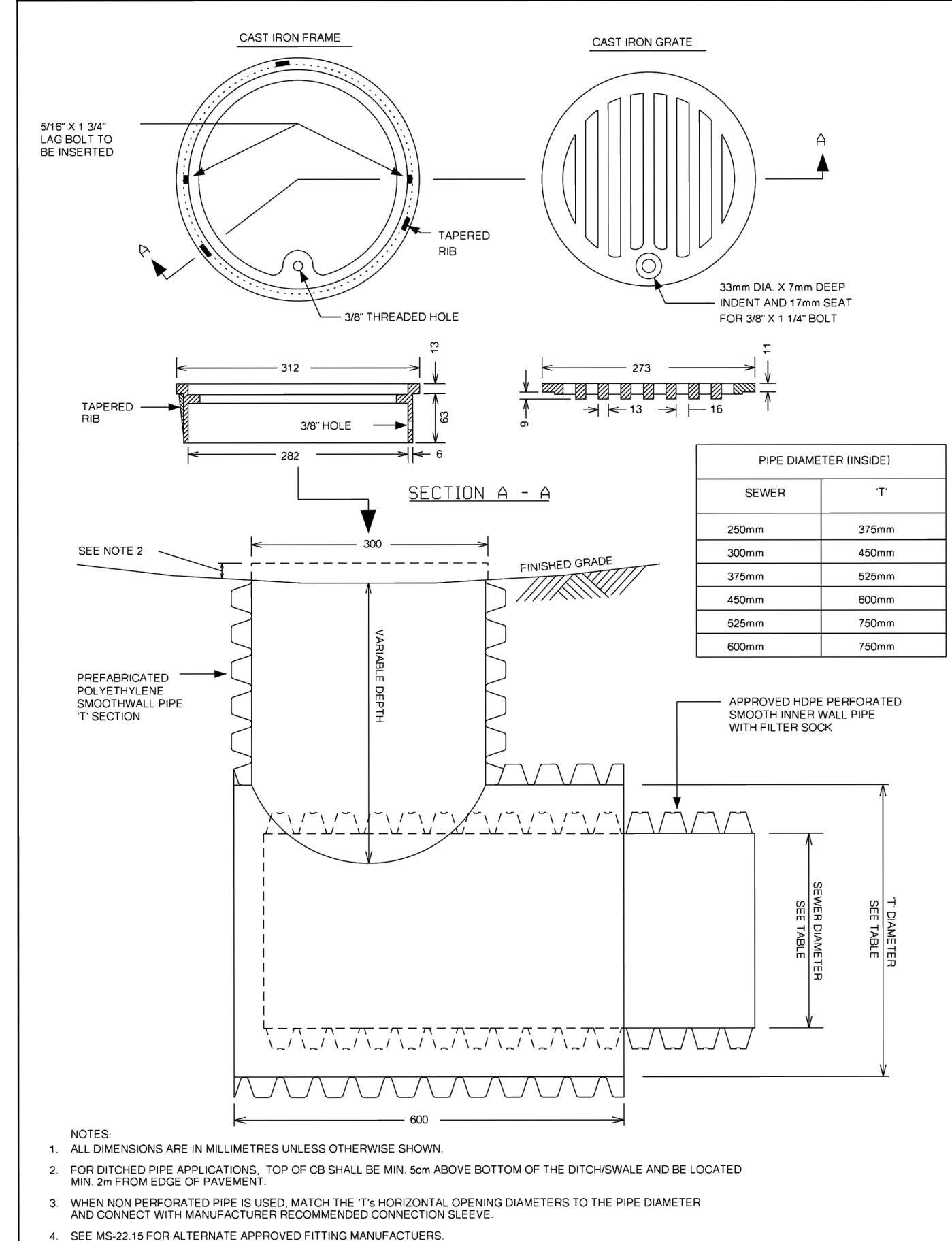
D101



Ottawa

SANITARY BACKWATER VALVE INSTALLATION TYPE 1

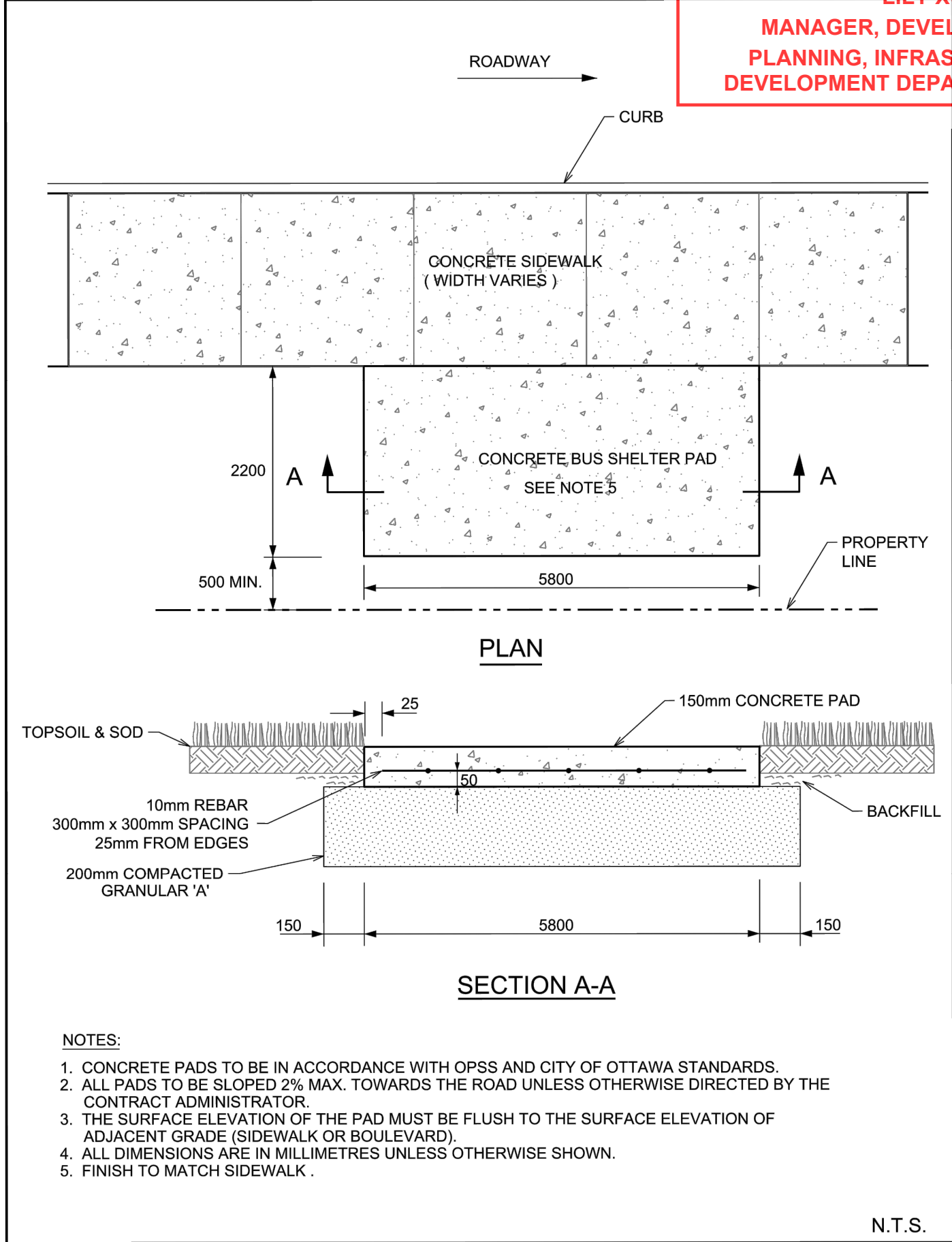
DATE: MARCH 2019
REV. DATE: MARCH 2011
DWG. No.: S14.1



Ottawa

CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS

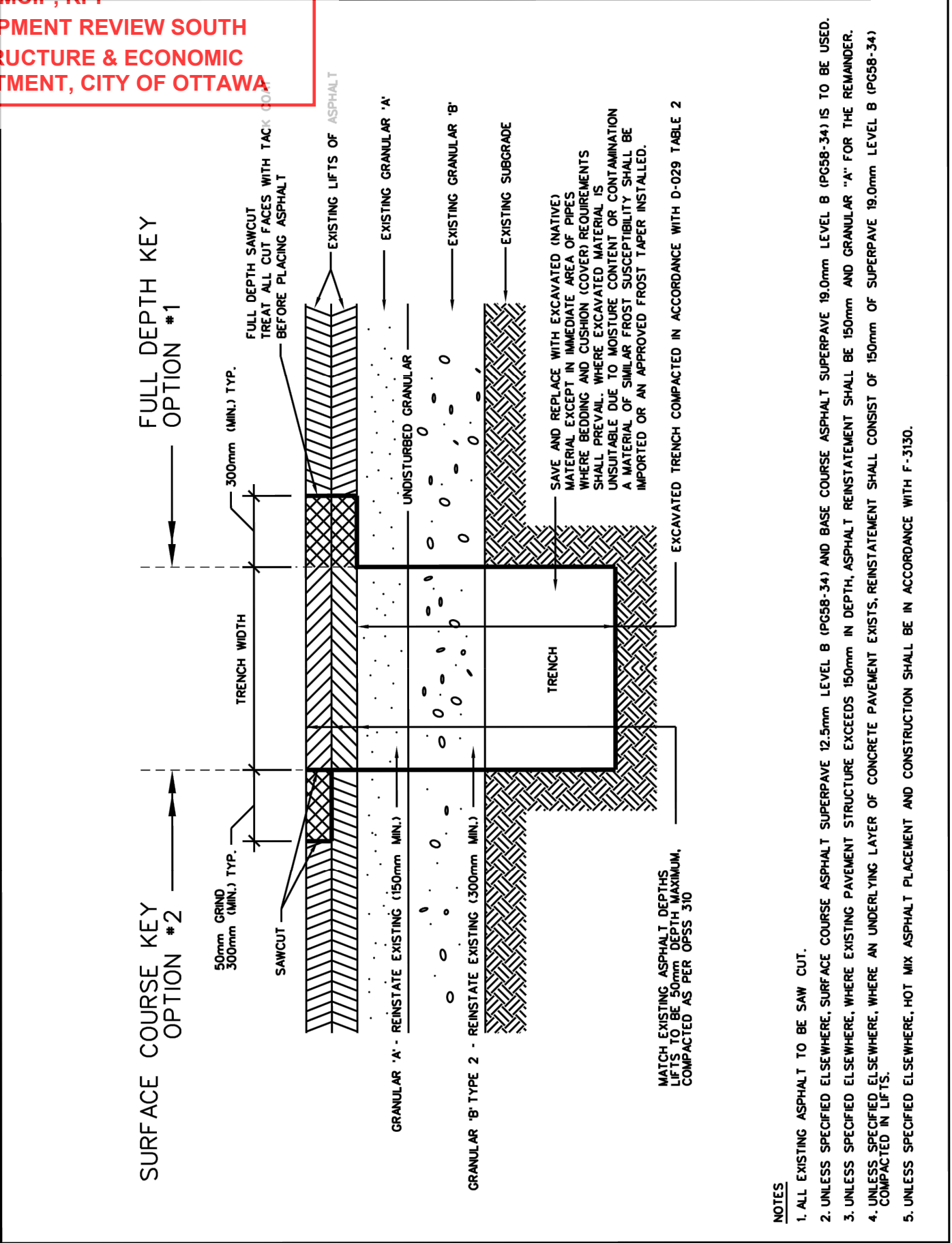
DATE: MARCH 2007
REV. DATE: MARCH 2019
DWG. No.: S31



Ottawa

CONCRETE SHELTER PAD ADJACENT TO SIDEWALK

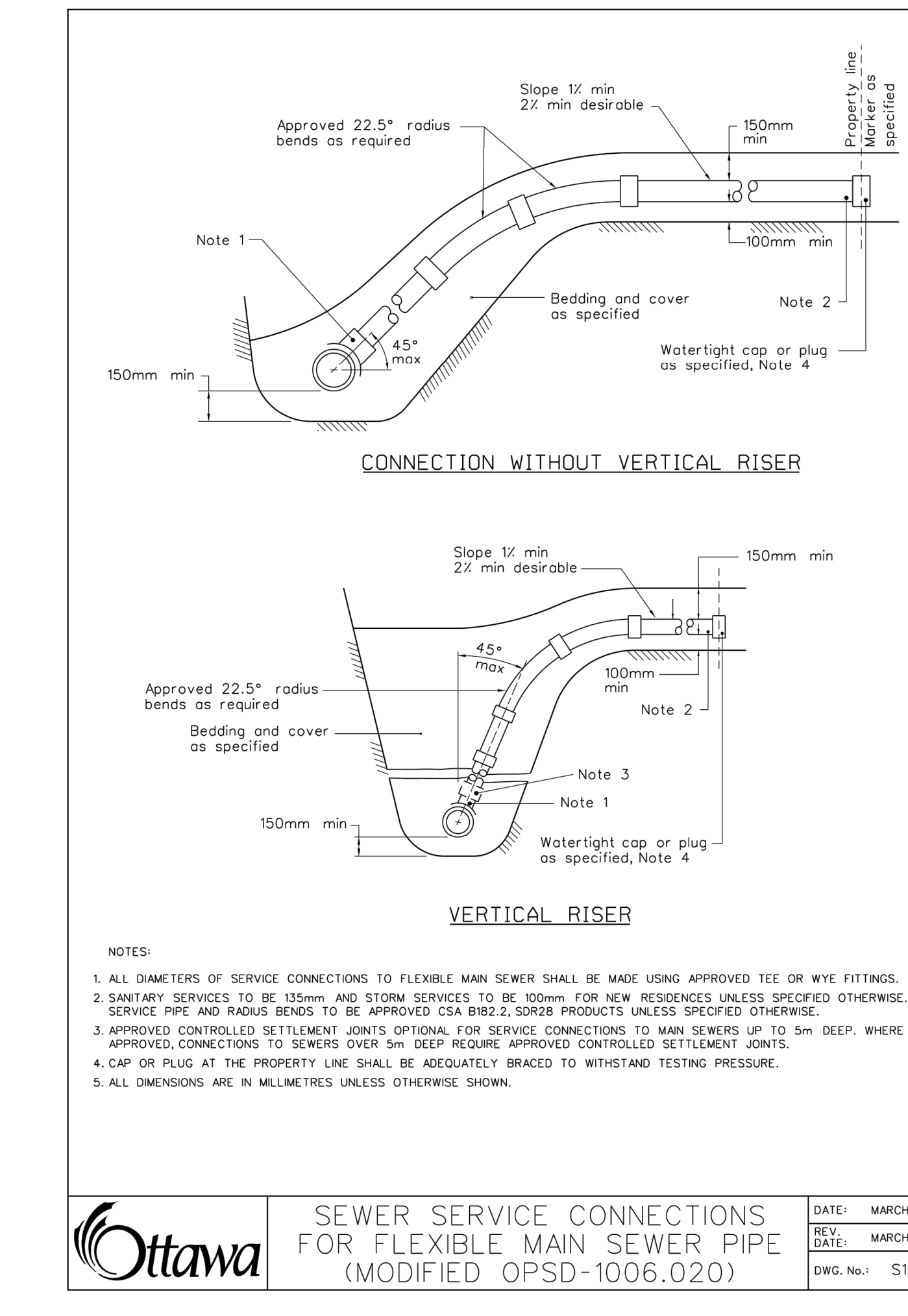
DATE: MARCH 2016
REV. DATE:
DWG. No.: SC11



Ottawa

STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE

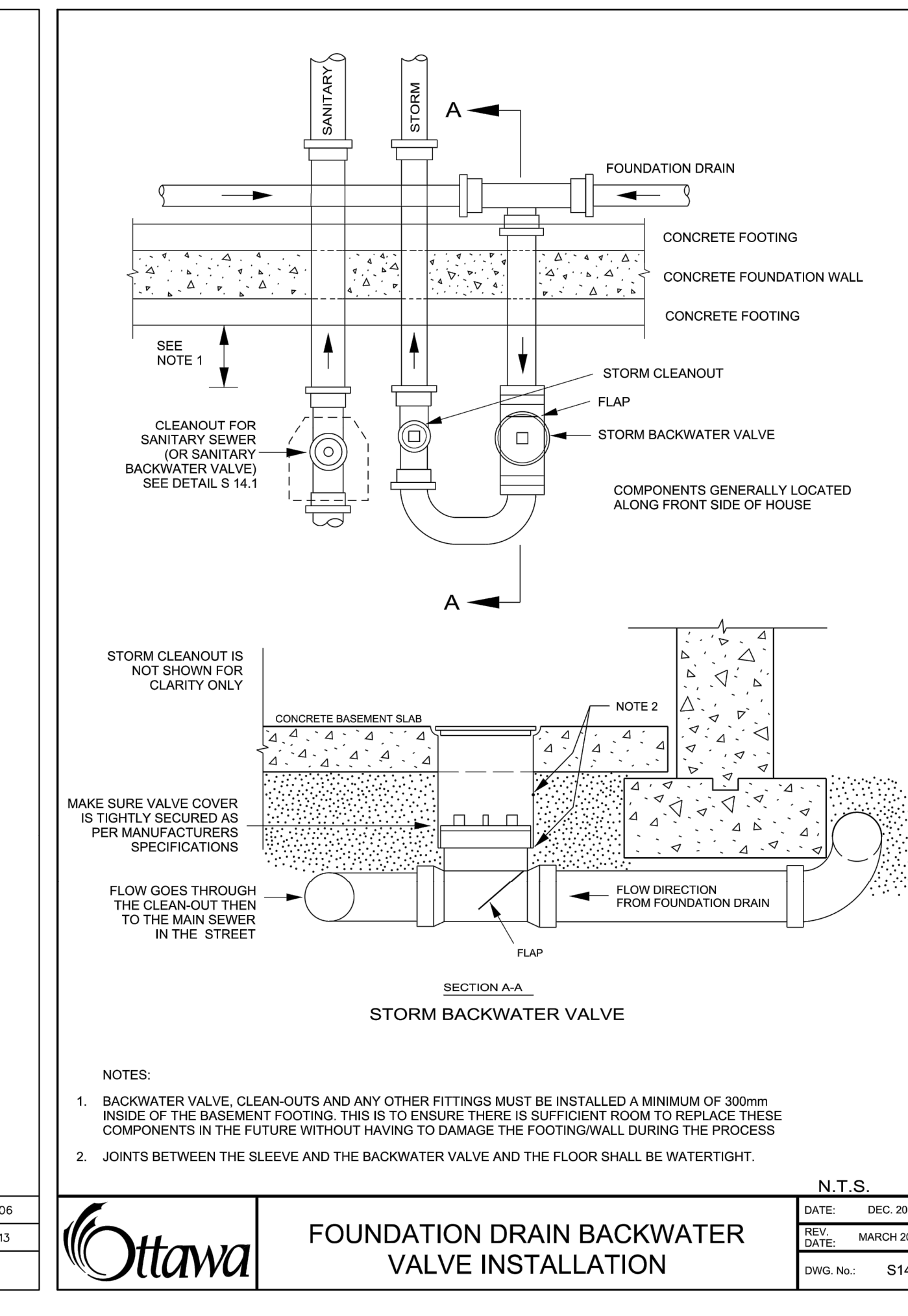
DATE: MAY 2001
REV. DATE: MARCH 2017
DWG. No.: R10



Ottawa

SEWER SERVICE CONNECTIONS FOR FLEXIBLE MAIN SEWER PIPE (MODIFIED OPSD-1006.020)

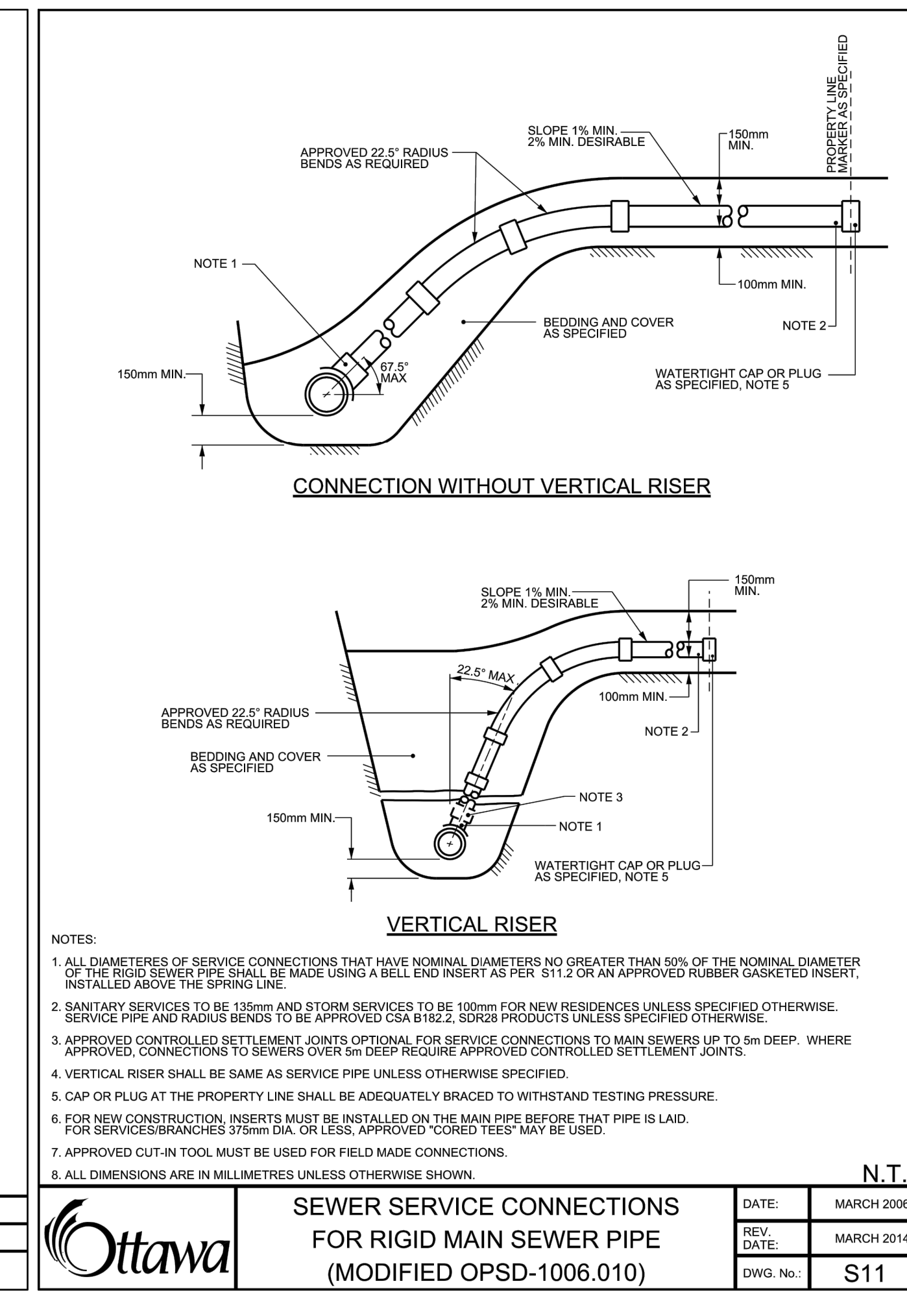
DATE: MARCH 2008
REV. DATE: MARCH 2015
DWG. No.: S11.1



Ottawa

FOUNDATION DRAIN BACKWATER VALVE INSTALLATION

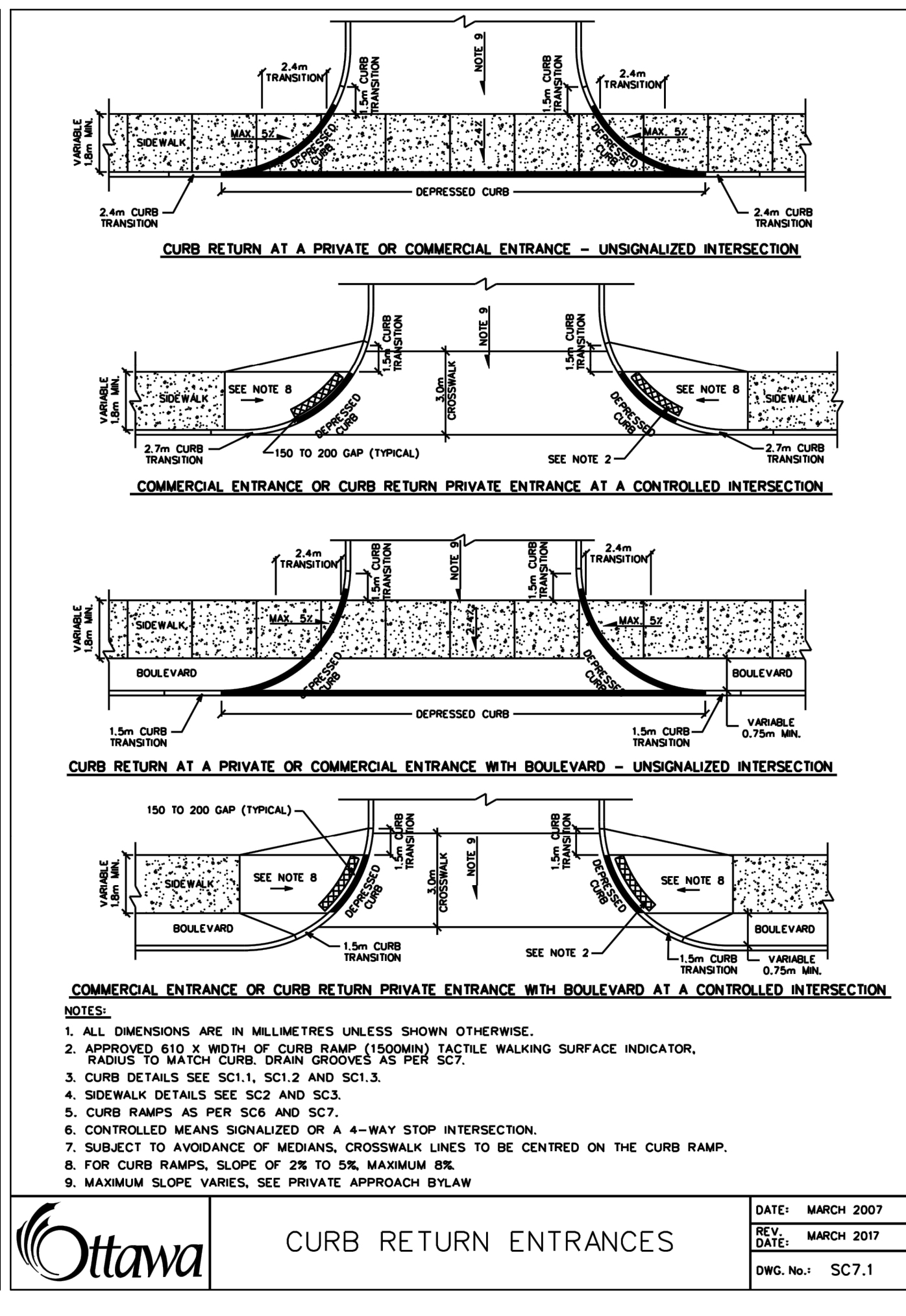
DATE: DEC 2002
REV. DATE: MARCH 2011
DWG. No.: S14



Ottawa

SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010)

DATE: MARCH 2008
REV. DATE: MARCH 2014
DWG. No.: S11



Ottawa

CURB RETURN ENTRANCES

DATE: MARCH 2007
REV. DATE: MARCH 2017
DWG. No.: SC7.1

APPROVED
By Lily Xu at 4:14 pm, Jun 19, 2023

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

AECOM

PROJECT
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OTTAWA, ONTARIO
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CHOICE PROPERTIES REIT
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519 650 5313 tel 519 650 3424 fax
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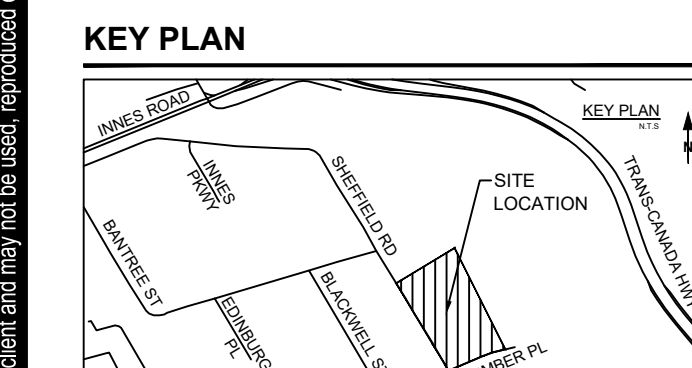
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REGISTRATION

PROFESSIONAL ENGINEER
2023-03-23
M. KILJANN
10021232
PROVINCE OF ONTARIO

ISSUE/REVISION

I/R	DATE	DESCRIPTION
7	2023-03-22	REISSUED FOR SPA
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2	2022-10-07	ISSUED FOR SPA



PROJECT NUMBER
60634622

SHEET TITLE
MUNICIPAL DETAILS

SHEET NUMBER
D102

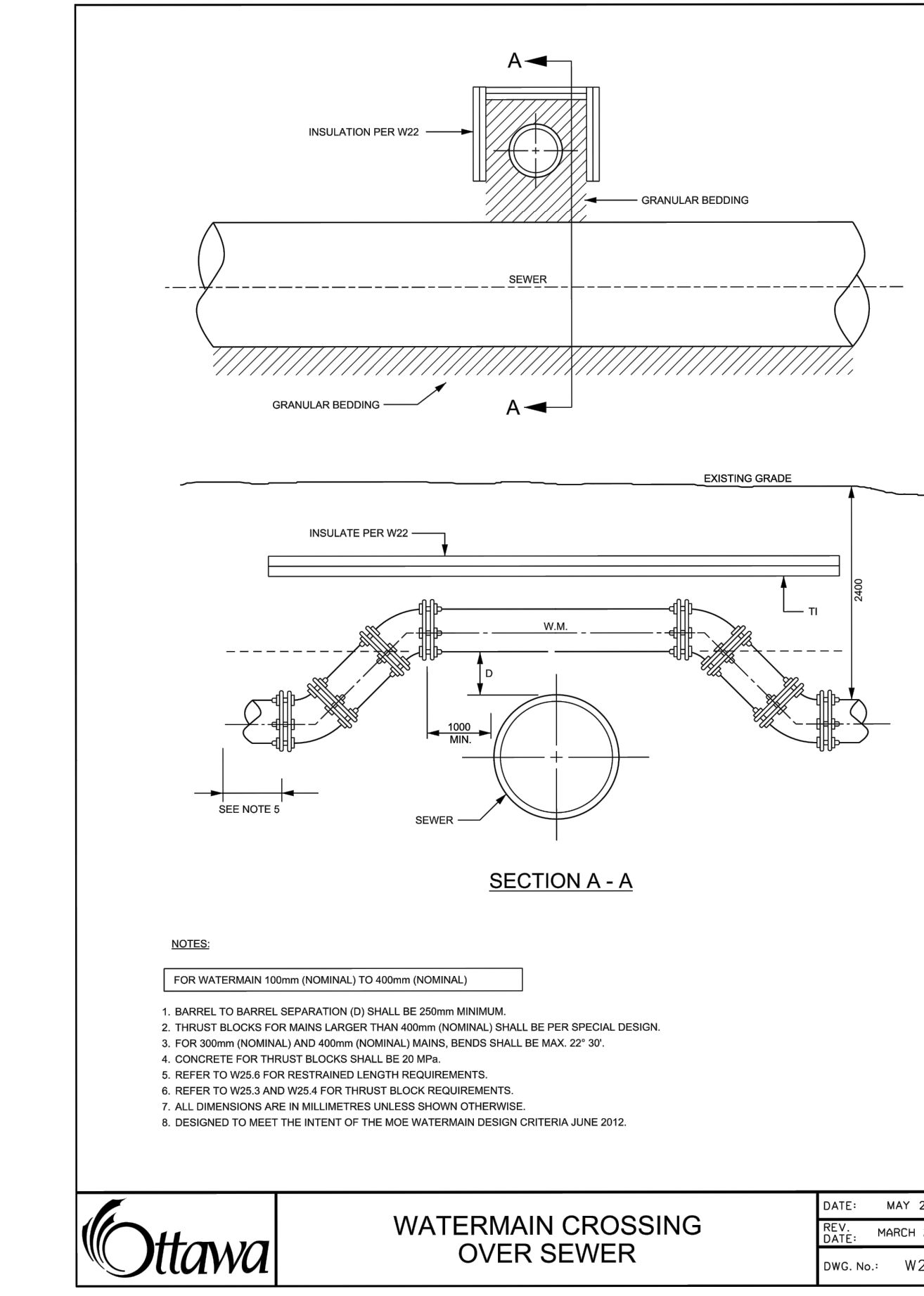
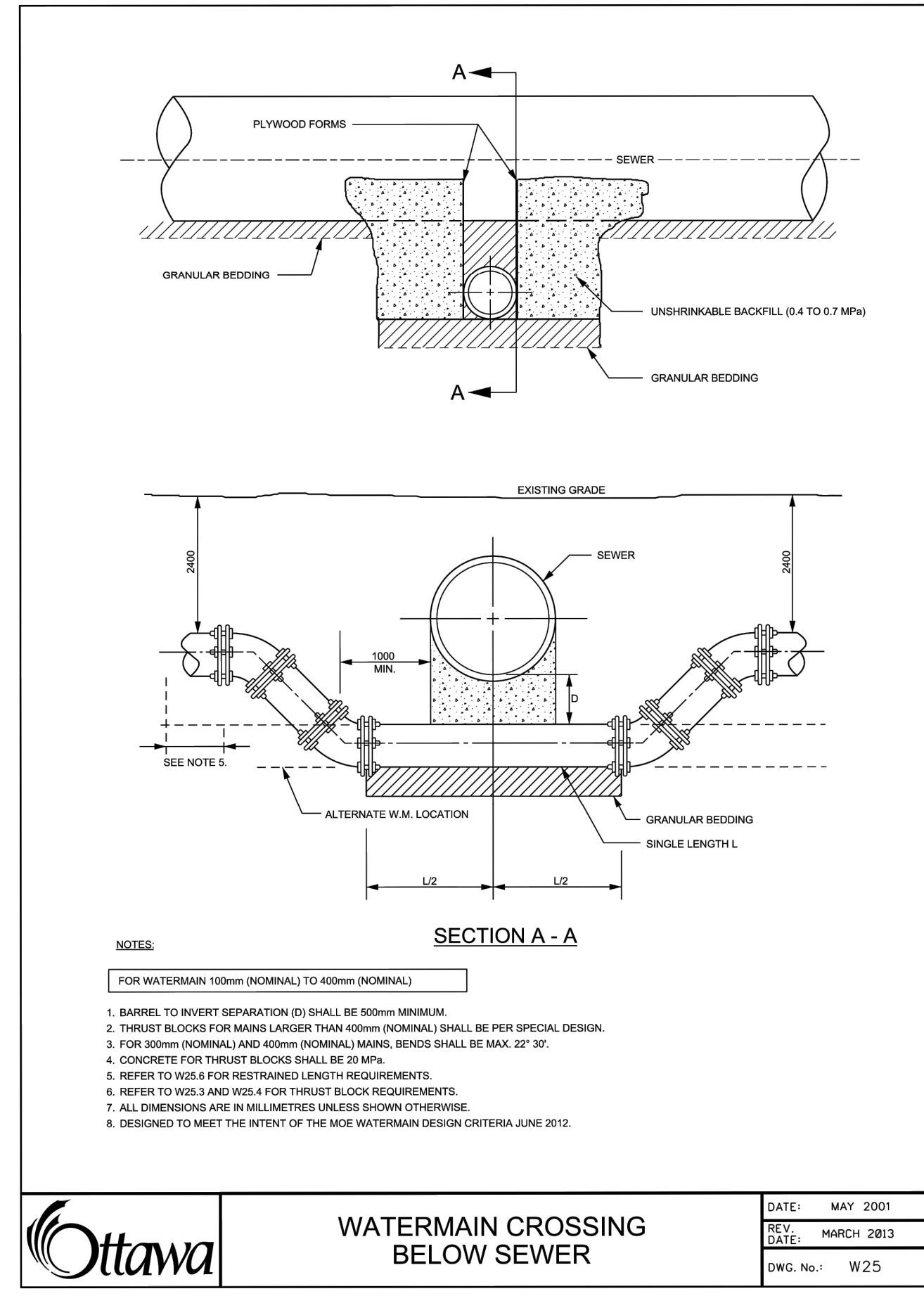
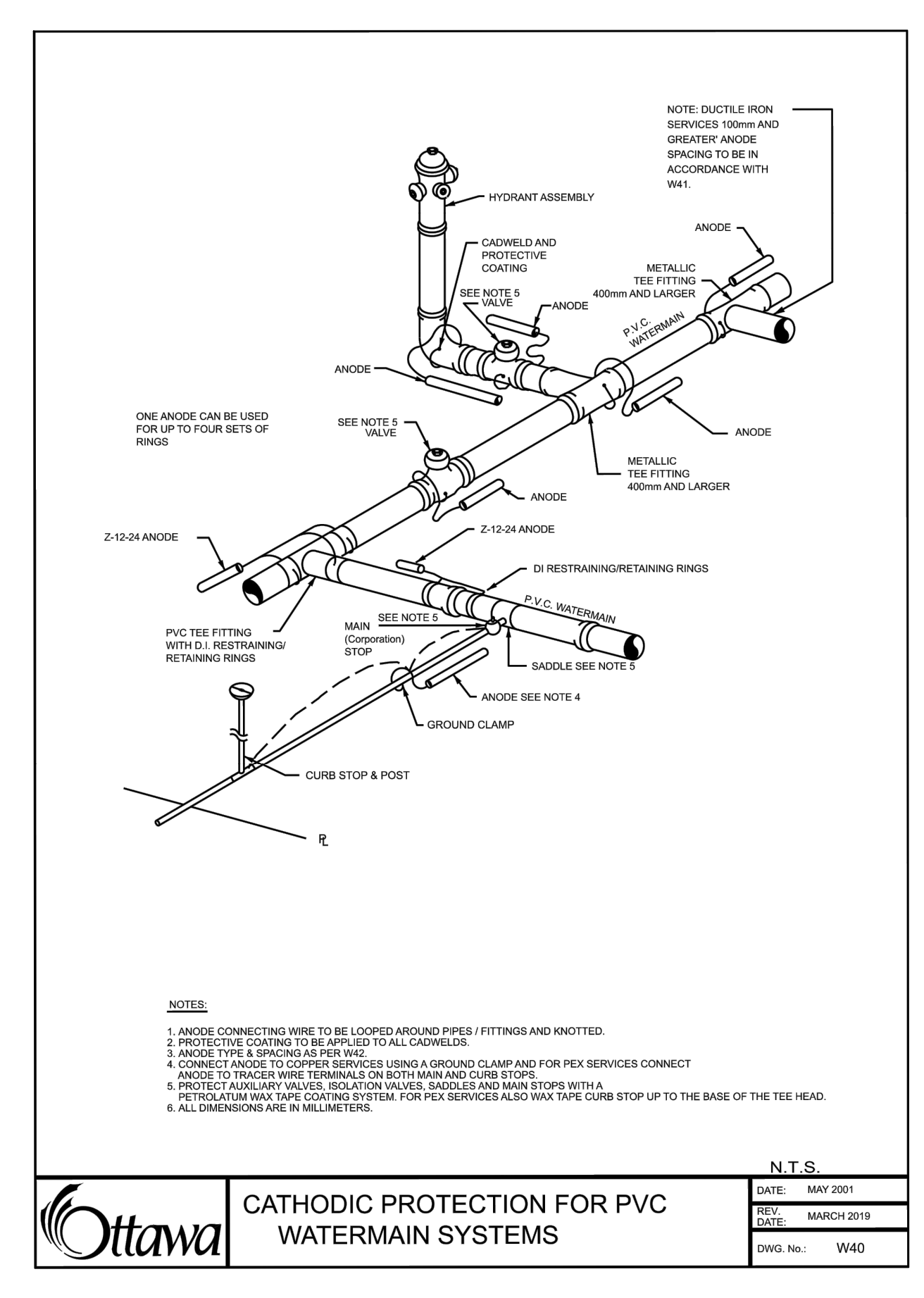
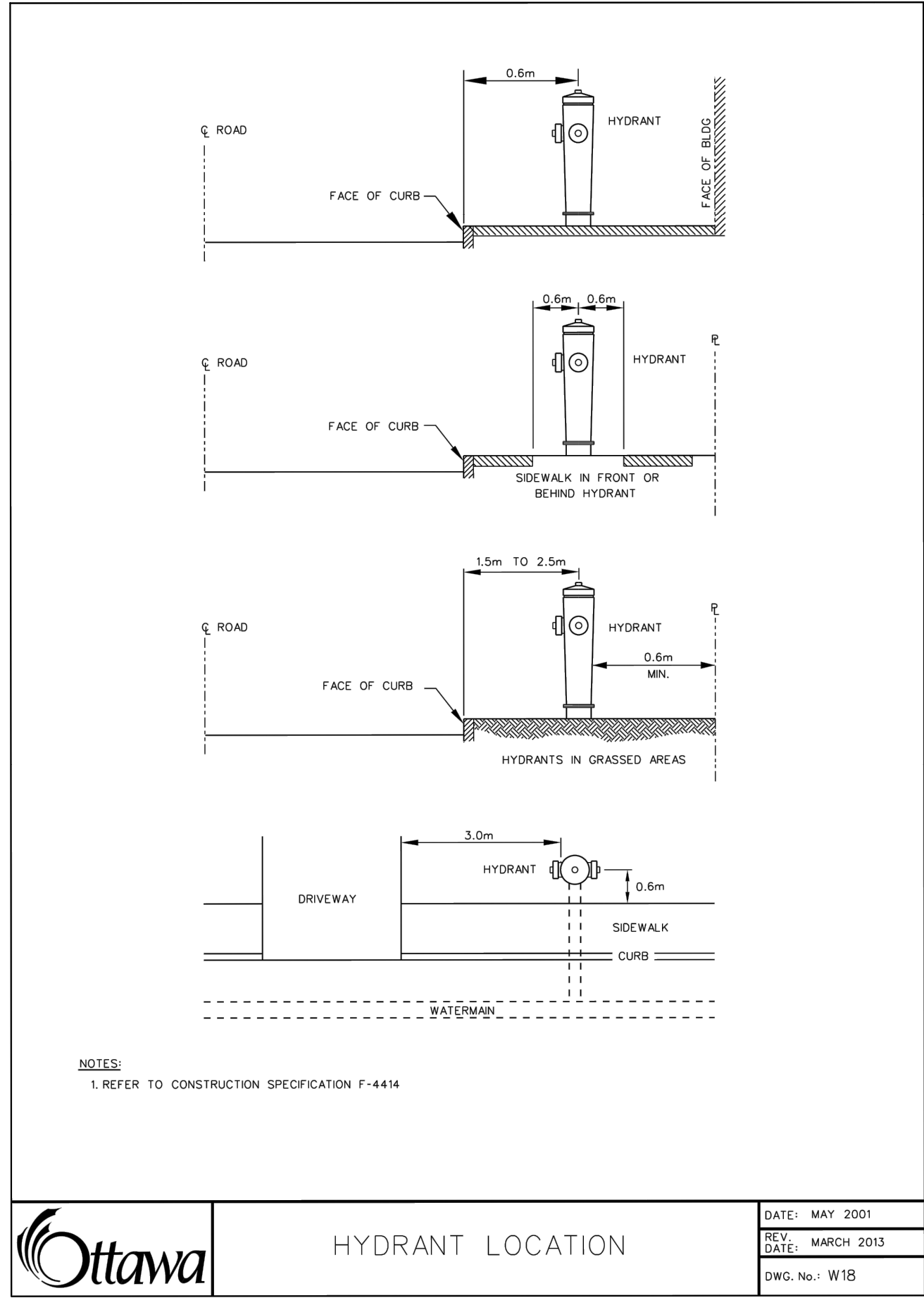
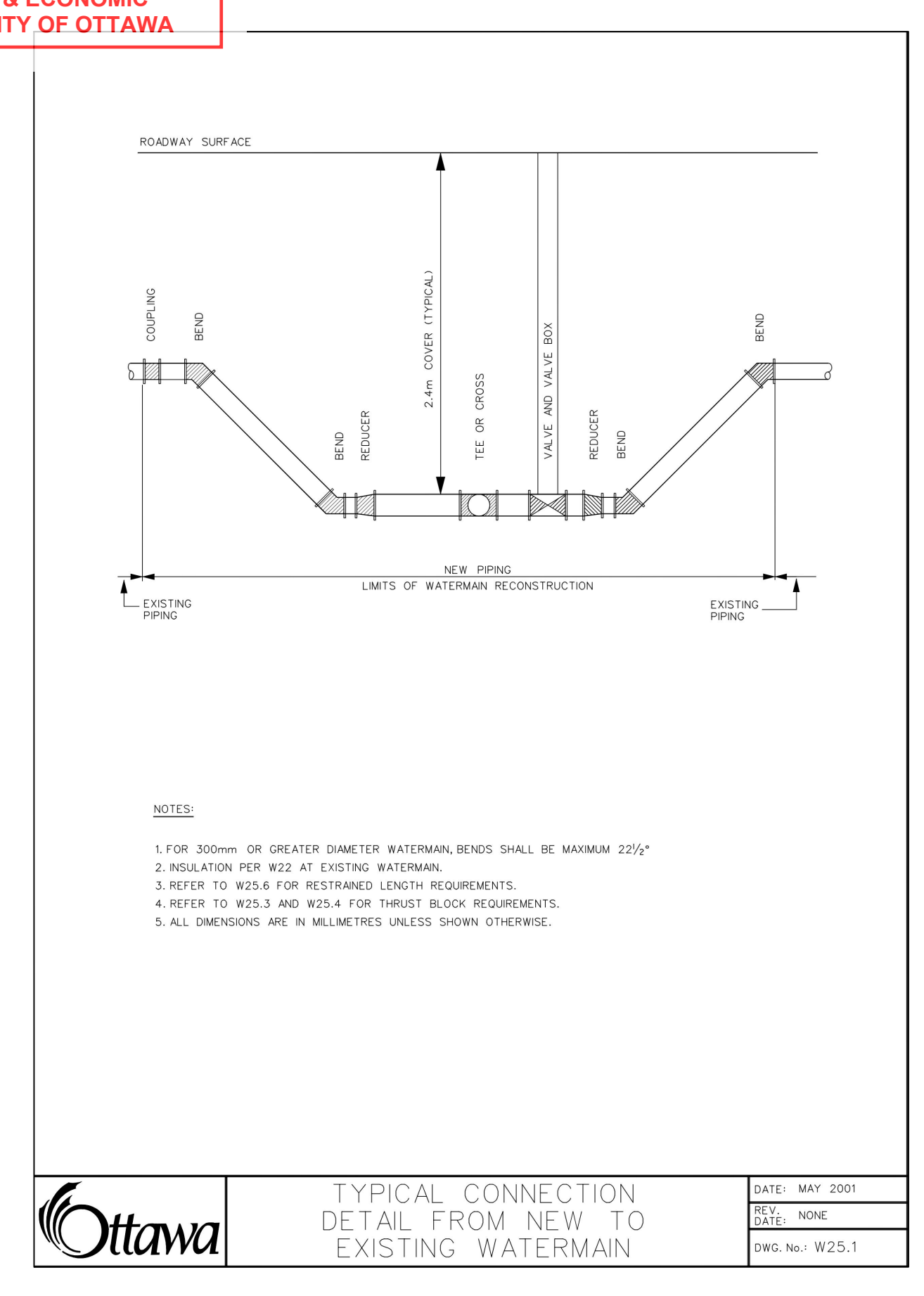
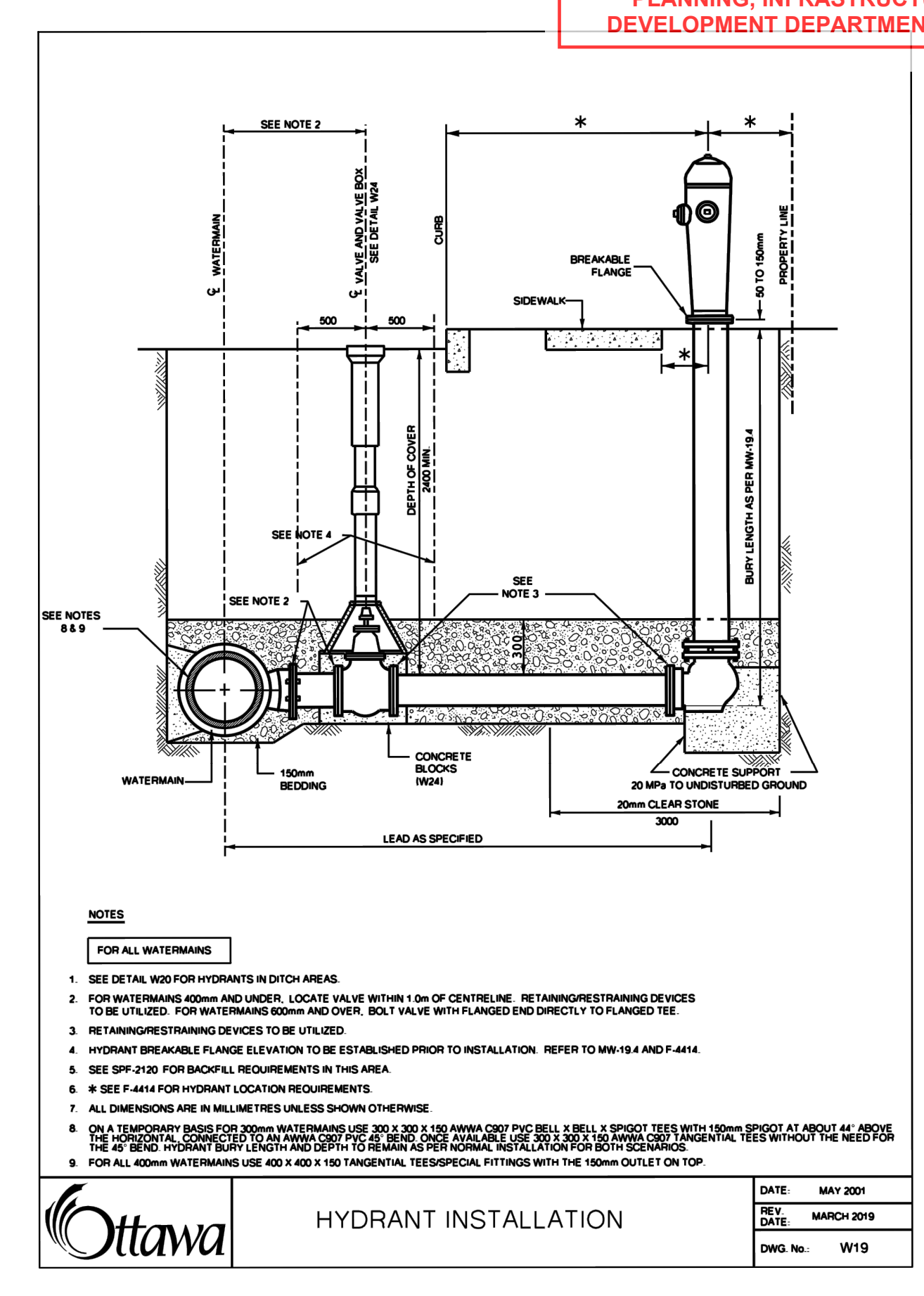
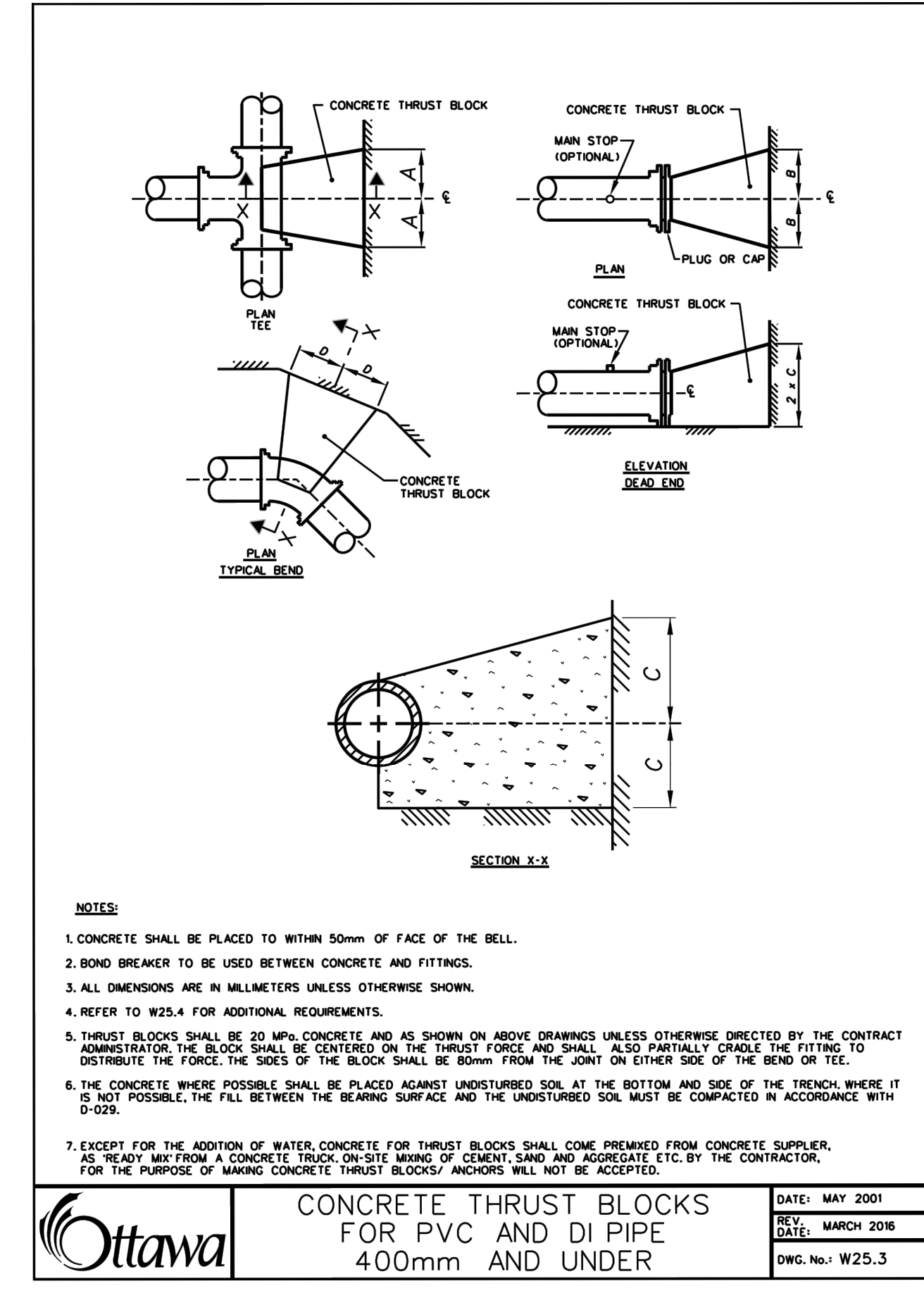
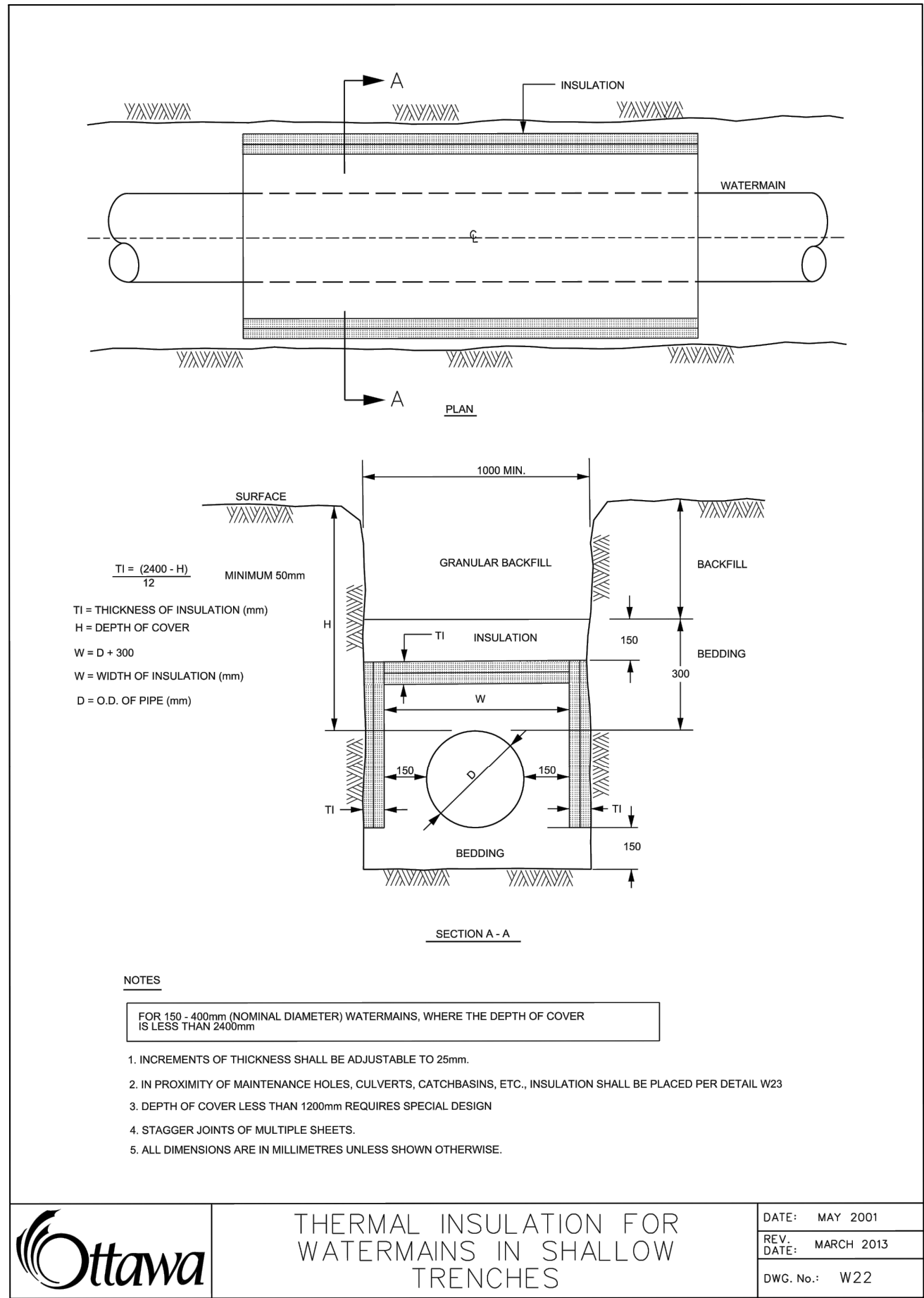

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 By Lily Xu at 4:14 pm, Jun 19, 2023
 LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
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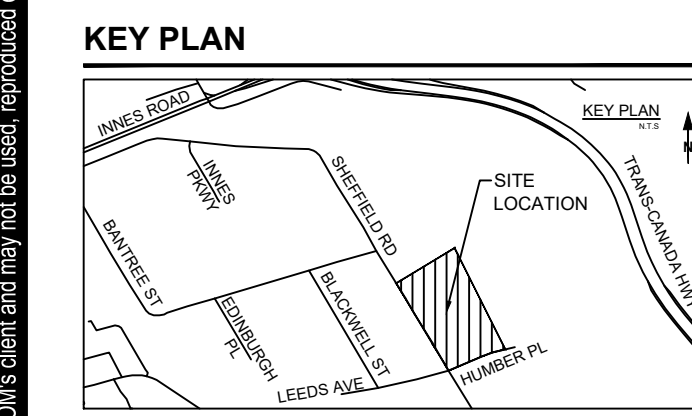


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SHEET TITLE
MUNICIPAL DETAILS

SHEET NUMBER
D103

ARCH D 24" x 36" Checked: MKY Approved: MK/KP Designer: LV Project Management Initials: AMZL OTTAWA - DYT3 - DETAILS DWG

PROPOSED LAYOUT - DYT3-N

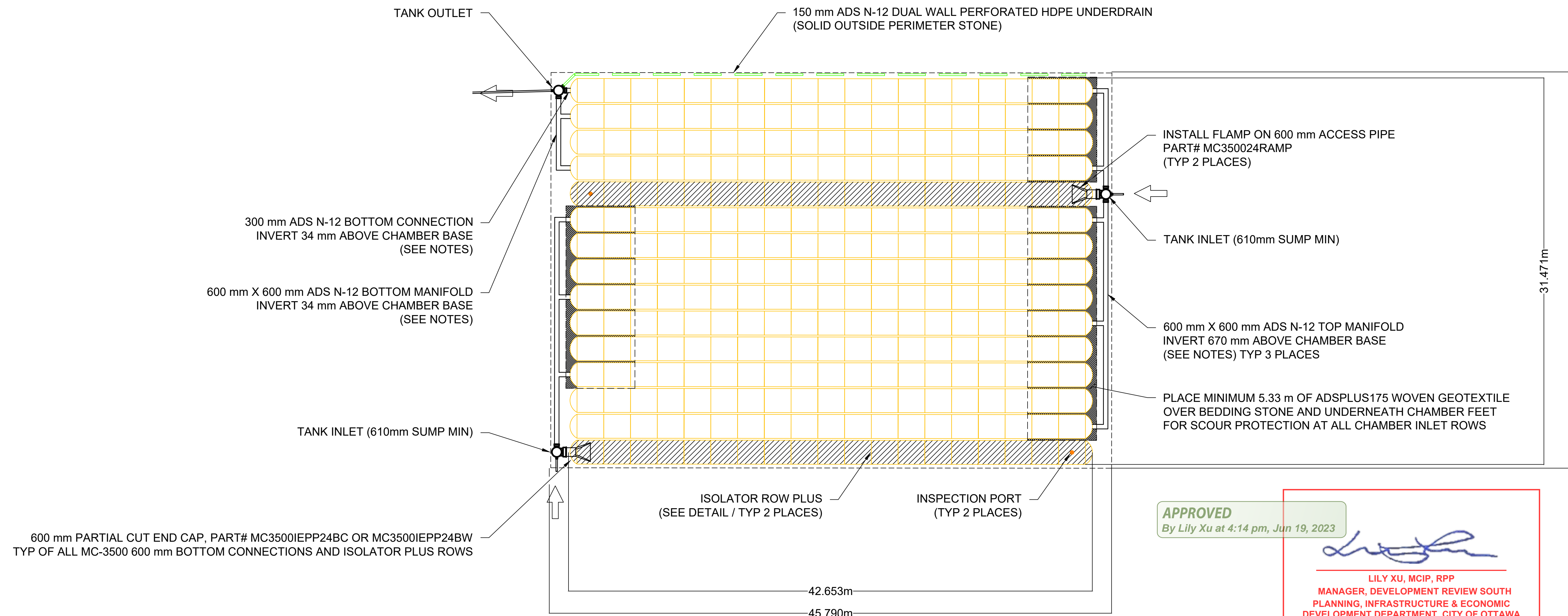
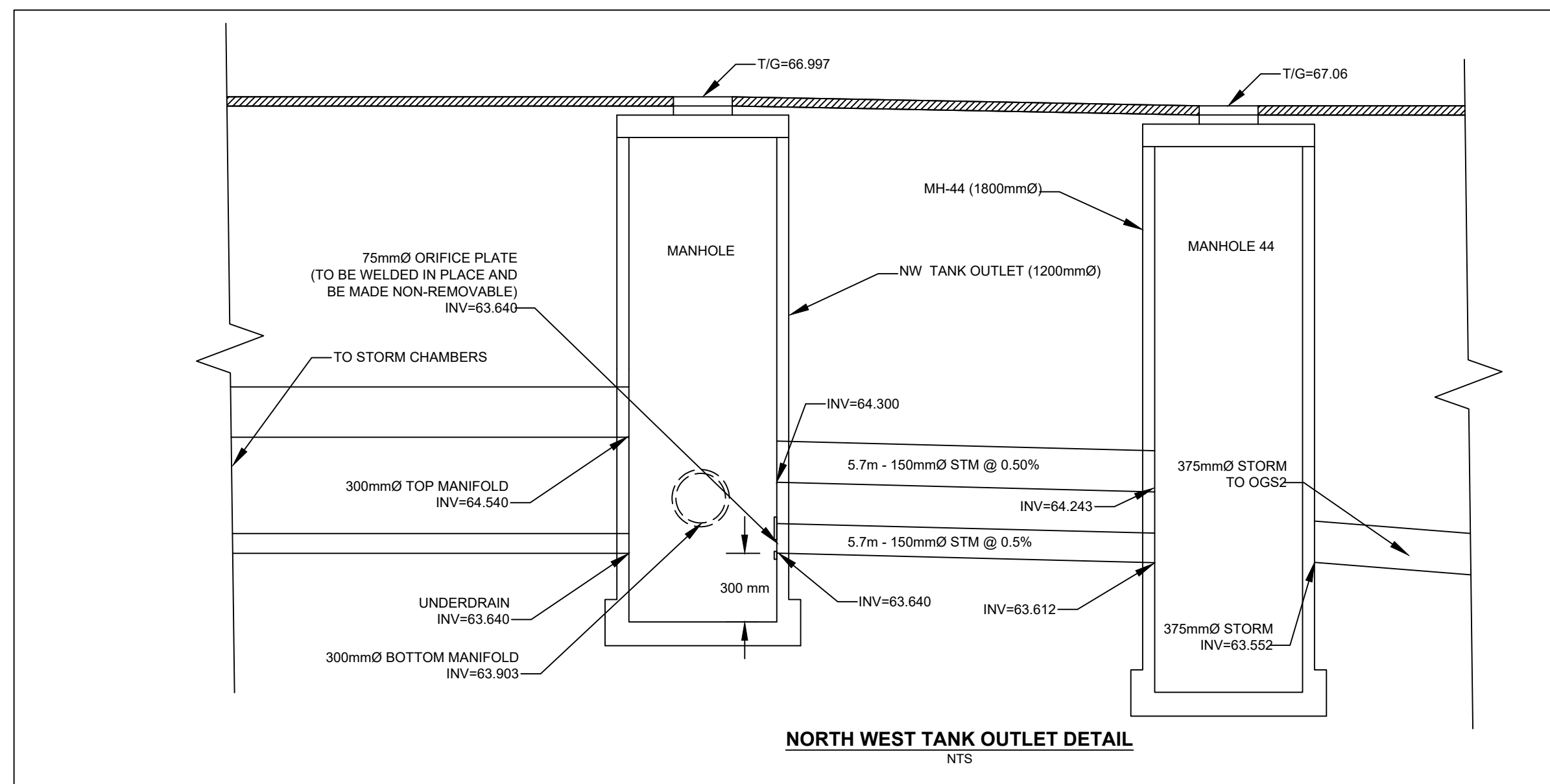
285	STORMTECH MC-3500 CHAMBERS
30	STORMTECH MC-3500 END CAPS
305	STONE ABOVE (mm)
229	STONE BELOW (mm)
40	% STONE VOID
1,530.4	INSTALLED SYSTEM VOLUME (m³) (PERIMETER STONE INCLUDED)
1,477.3	SYSTEM AREA (m ²)
156.1	SYSTEM PERIMETER (m)

PROPOSED ELEVATIONS - DYT3-N

65.317	TOP OF STONE:
65.012	TOP OF MC-3500 CHAMBER:
64.540	600 mm TOP MANIFOLD INVERT:
63.921	600 mm ISOLATOR ROW PLUS INVERT:
63.903	300 mm BOTTOM MANIFOLD/CONNECTION INVERT:
63.869	BOTTOM OF MC-3500 CHAMBER:
63.640	UNDERDRAIN INVERT:
63.640	BOTTOM OF STONE:

NOTES

- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS.
- STRUCTURES SHOWN ON THIS DESIGN ARE NOT INTENDED FOR MANWAY ACCESS. INSPECTION AND MAINTENANCE OF THE SYSTEM VIA THESE STRUCTURES IS RECOMMENDED TO BE COMPLETED WITH REMOTE CONTROLLED EQUIPMENT, OR ADHERE TO GUIDANCE BY PROFESSIONAL MAINTENANCE COMPANY.
- **NOT FOR CONSTRUCTION:**



APPROVED
 By Lily Xu at 4:14 pm, Jun 19, 2023

LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



PROJECT
DYT3
OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

OWNER
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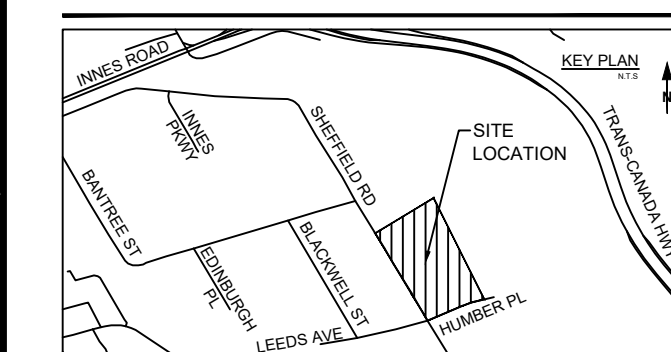
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KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

STORMTECH CHAMBER DETAILS
1 OF 5

SHEET NUMBER

D104

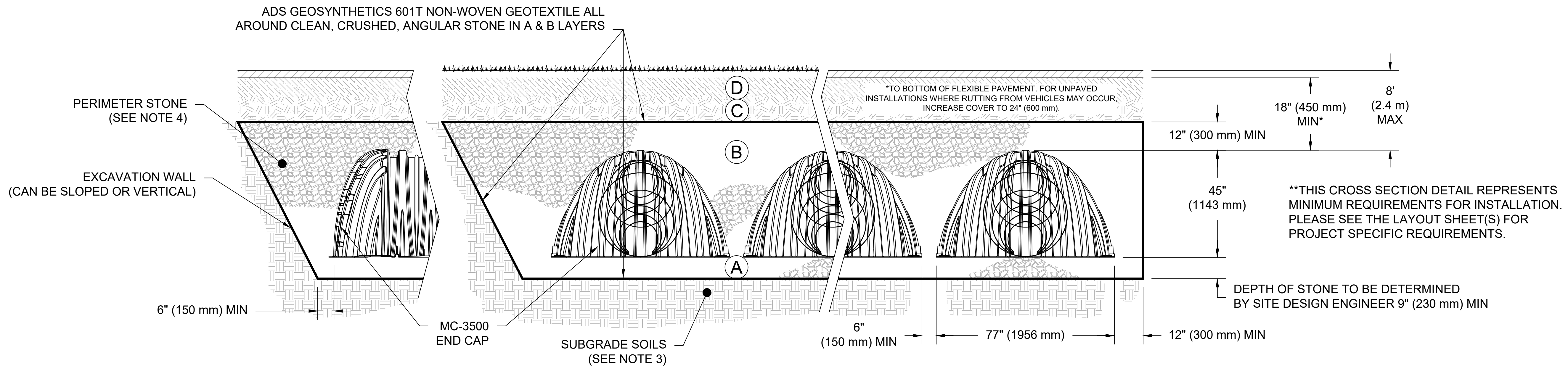
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ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

- PLEASE NOTE:**
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/% AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

APPROVED
 By Lily Xu at 4:15 pm, Jun 19, 2023

AECOM

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 DYT3
 OTTAWA, ONTARIO
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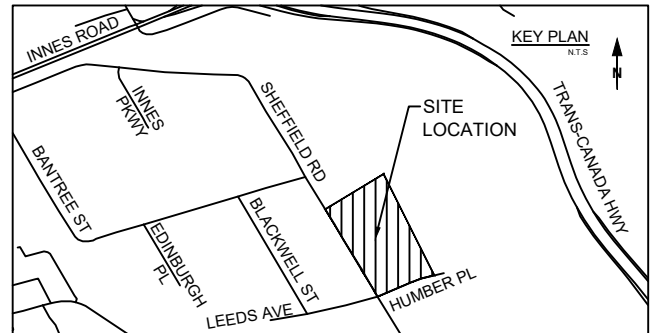
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KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

STORMTECH CHAMBER DETAILS
3 OF 5

SHEET NUMBER

D106

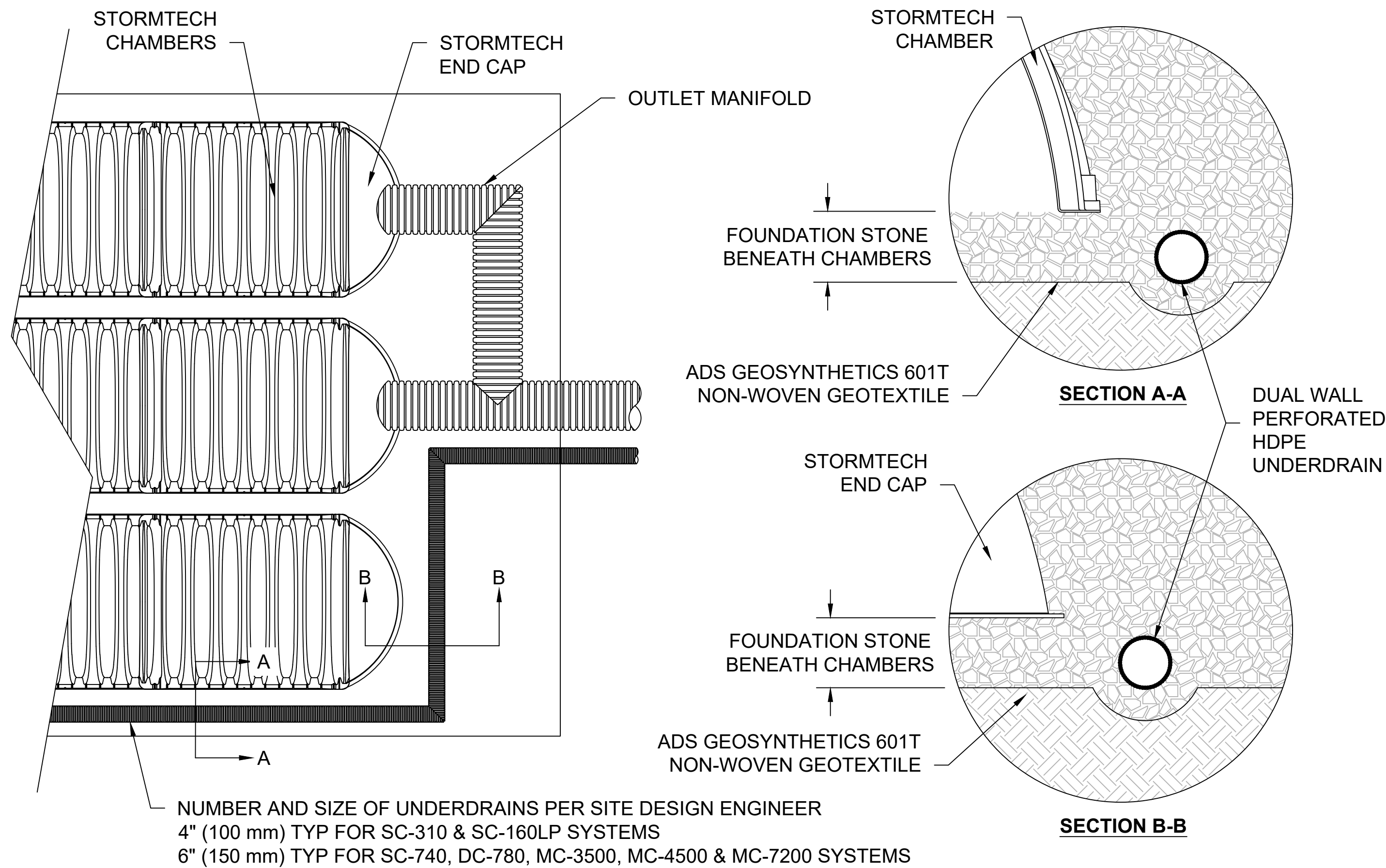
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 Project Management Initials: Designer: LV
 Checked: MKYY Approved: MK/KP ARCH D 24" x 36"

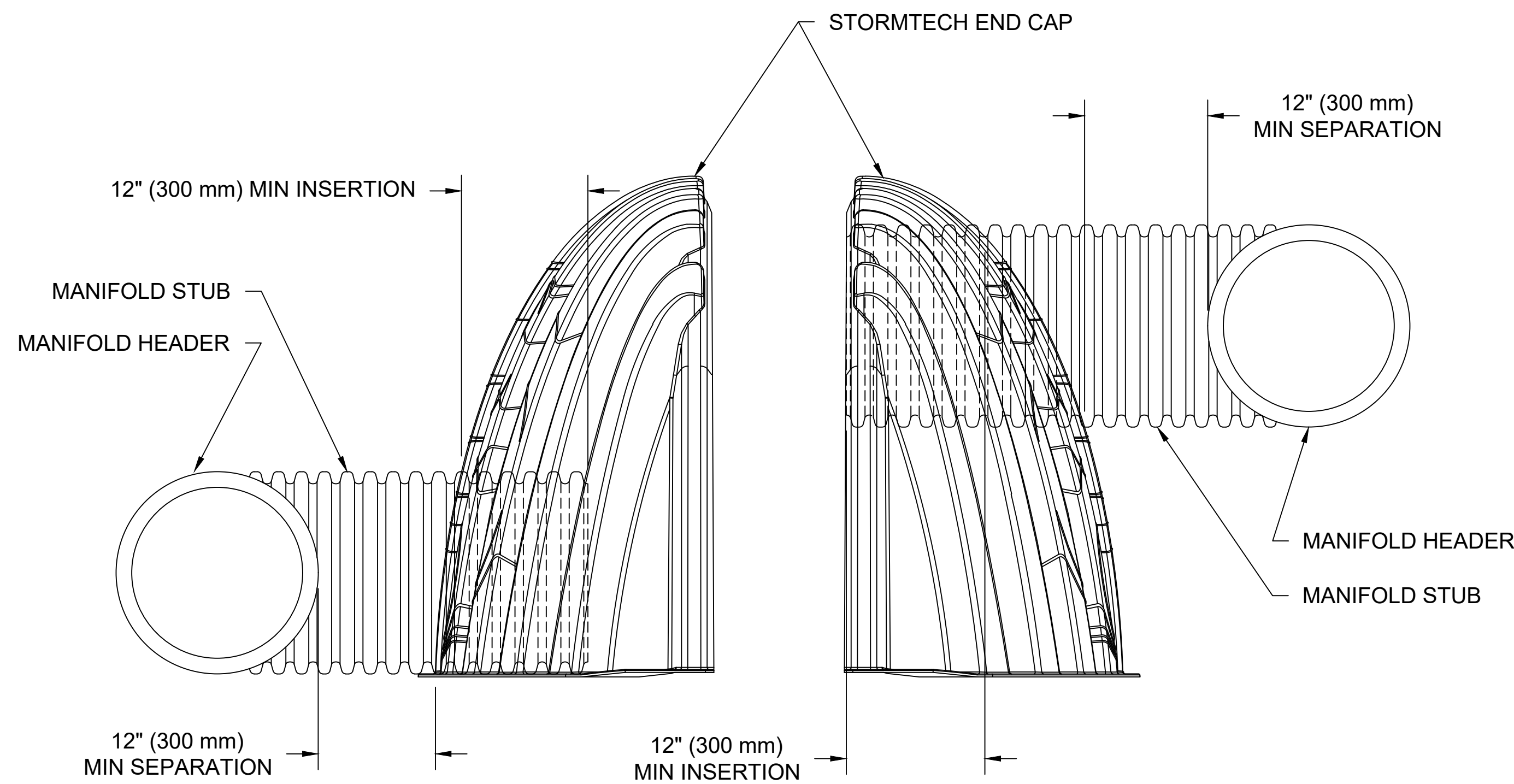
UNDERDRAIN DETAIL

NTS



MC-SERIES END CAP INSERTION DETAIL

NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

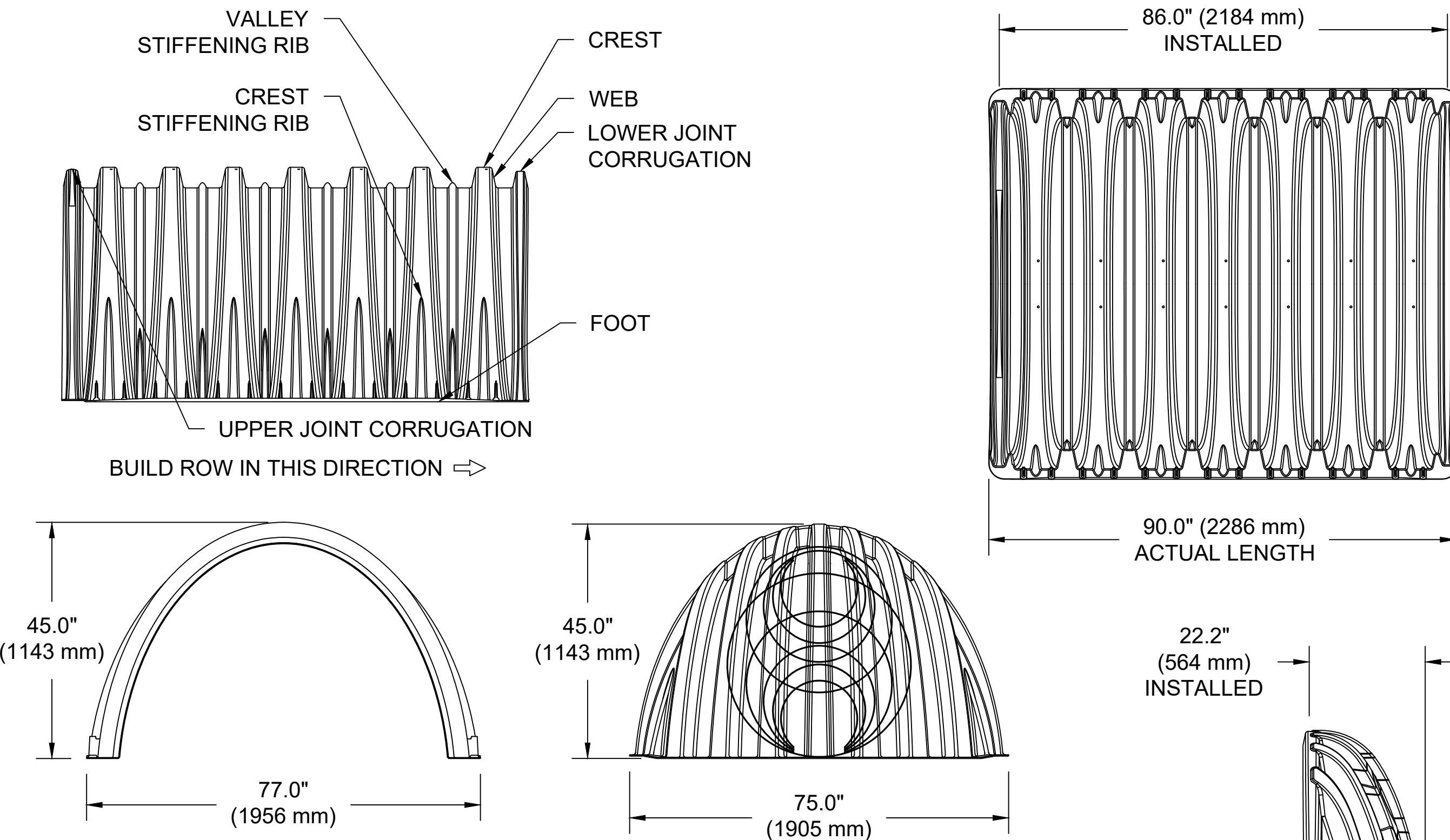
APPROVED
 By Lily Xu at 4:15 pm, Jun 19, 2023

 LILY XU, MCIP, RPP
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 PLANNING, INFRASTRUCTURE & ECONOMIC
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NOTE: ALL DIMENSIONS ARE NOMINAL

MC-3500 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m ³)
MINIMUM INSTALLED STORAGE*	175.0 CUBIC FEET	(4.96 m ³)
WEIGHT	134 lbs.	(60.8 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2"	(1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m ³)
MINIMUM INSTALLED STORAGE*	45.1 CUBIC FEET	(1.28 m ³)
WEIGHT	49 lbs.	(22.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" (152 mm) STONE BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
 END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"
 END CAPS WITH A WELDED CROWN PLATE END WITH "C"

PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP06B	---	---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B	---	---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B	---	---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B	---	---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B	---	---	1.50" (38 mm)
MC3500IEPP18TC	---	20.03" (509 mm)	---
MC3500IEPP18TW	---	---	1.77" (45 mm)
MC3500IEPP18BC	18" (450 mm)	---	---
MC3500IEPP18BW	---	---	---
MC3500IEPP24TC	---	14.48" (368 mm)	---
MC3500IEPP24TW	24" (600 mm)	---	---
MC3500IEPP24BC	---	---	2.06" (52 mm)
MC3500IEPP24BW	---	---	---
MC3500IEPP30BC	30" (750 mm)	---	2.75" (70 mm)

CUSTOM PARTIAL CUT INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.



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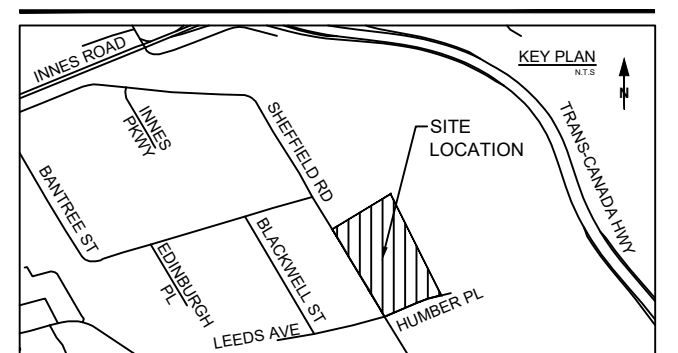
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KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

STORMTECH CHAMBER DETAILS
 5 OF 5

SHEET NUMBER

D108

GENERAL NOTES

- 1. ALL DIMENSIONS ARE SHOWN IN METERS UNLESS NOTED OTHERWISE.
2. TOPOGRAPHIC SURVEY MAY NOT BE COMPLETE OR ACCURATE. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
3. CIVIL AND GEOTECHNICAL TESTING AND INSPECTION AGENCY: CONTRACTOR SHALL HIRE A PROFESSIONAL CIVIL AND GEOTECHNICAL ENGINEER LICENSED IN THE PLACE OF WORK TO PROVIDE TESTING AND INSPECTION SERVICES IN ACCORDANCE WITH CIVIL SPECIFICATIONS IN DIVISION 31, 21 AND 33. TESTING AND INSPECTION AGENCY SHALL PROVIDE ALL SITE RELATED ENGINEERING SERVICES AS FOLLOWS FOR CIVIL AND GEOTECHNICAL SCOPE OF WORK...

EROSION AND SEDIMENT CONTROL (ESC) NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.
2. CONTRACTOR TO HOLD A PRE-CONSTRUCTION MEETING INCLUDING ALL RELEVANT PROJECT CONSTRUCTION PERSONNEL, INCLUDING THE TESTING AGENCY, TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
3. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH LOCAL AND PROVINCIAL REQUIREMENTS.
4. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH LOCAL AND PROVINCIAL REQUIREMENTS.

- REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF ONE THIRD (1/3) THE HEIGHT OF THE SILT FENCE.
16. MUD MATS TO BE PROVIDED ON SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. MUD MATS SHALL BE AS PER DETAIL ON DRAWING D100 (OR APPROVED EQUIVALENT). CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE ITS EFFECTIVENESS AT ALL TIMES.
17. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY.

CONSTRUCTION NOTES

GENERAL

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST MUNICIPAL STANDARDS AND SPECIFICATIONS.
2. ALL MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM TESTING AGENCY PRIOR TO INSTALLATION.
3. ALL BEDDING, COVER MATERIAL AND EMBEDMENT MATERIAL TO BE COMPACTED GRANULAR 'A' UNLESS NOTED OTHERWISE.
4. EARTH FILL MATERIALS TO BE COMPACTED TO AT LEAST 98% STANDARD PROCTOR DENSITY (SPD), UNLESS OTHERWISE INDICATED IN THE LATEST GEOTECHNICAL REPORT. GRANULAR MATERIALS TO BE COMPACTED TO 100% SPD, UNLESS OTHERWISE INDICATED IN THE LATEST GEOTECHNICAL REPORT. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER IS NOT PERMITTED.

DEMOLITION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING AC, CURBS, SIDEWALKS AND OTHER SITE ELEMENTS WITHIN THE SITE AREA AS IDENTIFIED IN THE PLANS.
2. EXCEPT FOR MATERIALS INDICATED TO BE STOCKPILED OR TO REMAIN ON OWNER'S PROPERTY, CLEARED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, REMOVED FROM THE SITE, AND DISPOSED OF PROPERLY. CONTRACTOR SHALL PROVIDE LOCATION OF DISPOSAL SITES AND APPROPRIATE RELEASE FORMS FROM LAND OWNERS ACCEPTING THE MATERIAL AT THE COMPLETION OF THE PROJECT.
3. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND STORED AT THE PROJECT SITE AS DIRECTED BY THE TESTING AGENCY.

UTILITIES

- 1. ADJUST ALL INCIDENTAL STRUCTURES, HYDRANTS, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS TO FINISHED GRADE.
2. CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, TV, TELEPHONE, ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) WHERE CONFLICT OCCURS.
3. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF OR ADJUSTMENT TO NATURAL GAS, ELECTRICAL, COAXIAL, FIBRE OPTIC, AND TELEPHONE SERVICES.

STORM SEWER

- 1. MANHOLE FRAME AND COVERS TO BE CITY OF OTTAWA STANDARD S25.
2. CATCH BASIN AND CATCHBASIN MANHOLE FRAMES AND GRATES TO BE OPSD 400.100, AND CITY OF OTTAWA STANDARD S28.1.
3. FRAME AND COVERS AND FRAME AND GRATES TO BE INSTALLED WITH MINIMUM OF ONE ADJUSTMENT UNIT (75mm) TO A MAXIMUM OF 3 ADJUSTMENT UNITS (300mm), AND BE INSTALLED AS PER OPSD 704.010.
4. SINGLE CATCHBASINS, DOUBLE CATCHBASINS AND STORM MANHOLES WITH 0.6m SUMPS, AS PER OTTAWA STANDARDS.

SANITARY SEWER

- 1. ALL SANITARY SEWERS TO BE PVC DR-35 UNLESS SHOWN OTHERWISE.
2. ALL SANITARY PDC TO HAVE A PREFERRED COVER OF 2.4m AT PROPERTY LINE (MINIMUM 2.4M) AND SHALL BE SET TO A MINIMUM 2% GRADE UNLESS NOTED OTHERWISE.
3. ALL SANITARY MANHOLES TO BE BENCHD AS PER LOCAL MUNICIPAL STANDARDS AND SPECIFICATIONS.

WATERMAIN

- 1. WATERMAIN TO BE INSTALLED IN ACCORDANCE WITH OPSS 441 AND CITY OF OTTAWA'S SPECIFICATION F-4411.
2. WATERMAIN CLEARANCES AND CROSSINGS PER SECTION 7.3.5.7 OF THE 2012 OBC AND SECTION 15 OF THE WATERMAIN DESIGN CRITERIA FOR FUTURE ALTERATIONS AUTHORIZED UNDER A DRINKING WATER WORKS PERMIT (MOE, JUNE 2012). THIS INCLUDES MINIMUM 2.5m HORIZONTAL CLEARANCE FROM ANY SEWER AND/OR 0.5m CLEARANCE UNDER AND 0.25m OVER SEWERS WITH ADEQUATELY SUPPORTED SEWERS, WITH WATERMAIN JOINTS 2.4m FROM THE SEWER. WATERMAIN DEFLECTIONS TO CONFORM TO CITY OF OTTAWA STANDARD DRAWING W25 AND W25.2.
3. WATERMANS TO HAVE 2.4m MINIMUM COVER FROM FINAL GRADE.

SURFACE WORKS

- 1. CURB AND GUTTER - AS PER OPSS AND OPSD, UNLESS SPECIFIED OTHERWISE BY LOCAL MUNICIPALITY.
2. CONCRETE BARRIER CURB WITHIN MUNICIPAL RIGHT OF WAY AS PER CITY OF OTTAWA'S SC1.1.
3. CONCRETE SIDEWALK AS PER OPSS AND OPSD, UNLESS SPECIFIED OTHERWISE BY LOCAL MUNICIPALITY. SIDEWALKS TO HAVE MINIMUM BEDDING OF 150mm COMPACTED GRANULAR A. CONCRETE SIDEWALK THICKNESS TO BE MINIMUM 125mm. SIDEWALK THICKNESS TO BE INCREASED TO 200mm AT ENTRANCES TO RESIDENTIAL BLOCKS, COMMERCIAL BLOCKS, AND MAINTENANCE ACCESS AREAS.
4. ALL CONCRETE STRENGTH IS 30MPA WITHIN 28 DAYS WITH 6% +/- 1% AIR ENTRAINMENT, UNLESS OTHERWISE STATED.

- 5. REFER TO LATEST GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN REPORT AND LATEST SUPPLEMENTARY TECHNICAL MEMORANDUM, CONTRACTOR TO REQUEST LATEST VERSION: 60634622 SUPPLEMENTARY GEOTECHNICAL INVESTIGATION AT DYT3 OTTAWA, ONTARIO



PROJECT

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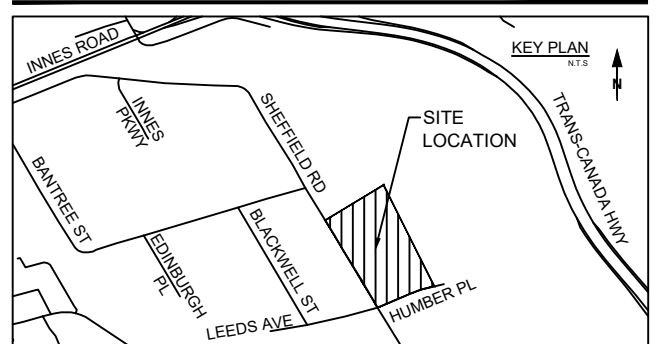
REGISTRATION



ISSUE/REVISION

Table with 4 columns: I/R, DATE, DESCRIPTION. Contains 6 rows of revision data.

KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

GENERAL CIVIL NOTES

SHEET NUMBER

D200

APPROVED
By Lily Xu at 4:15 pm, Jun 19, 2023

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