

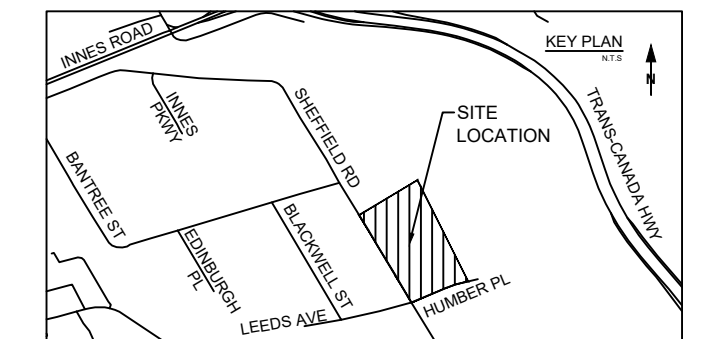
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION
2	2022-10-07	ISSUED FOR SPA
1	2022-08-30	LANDLORD REVIEW - SPA SET

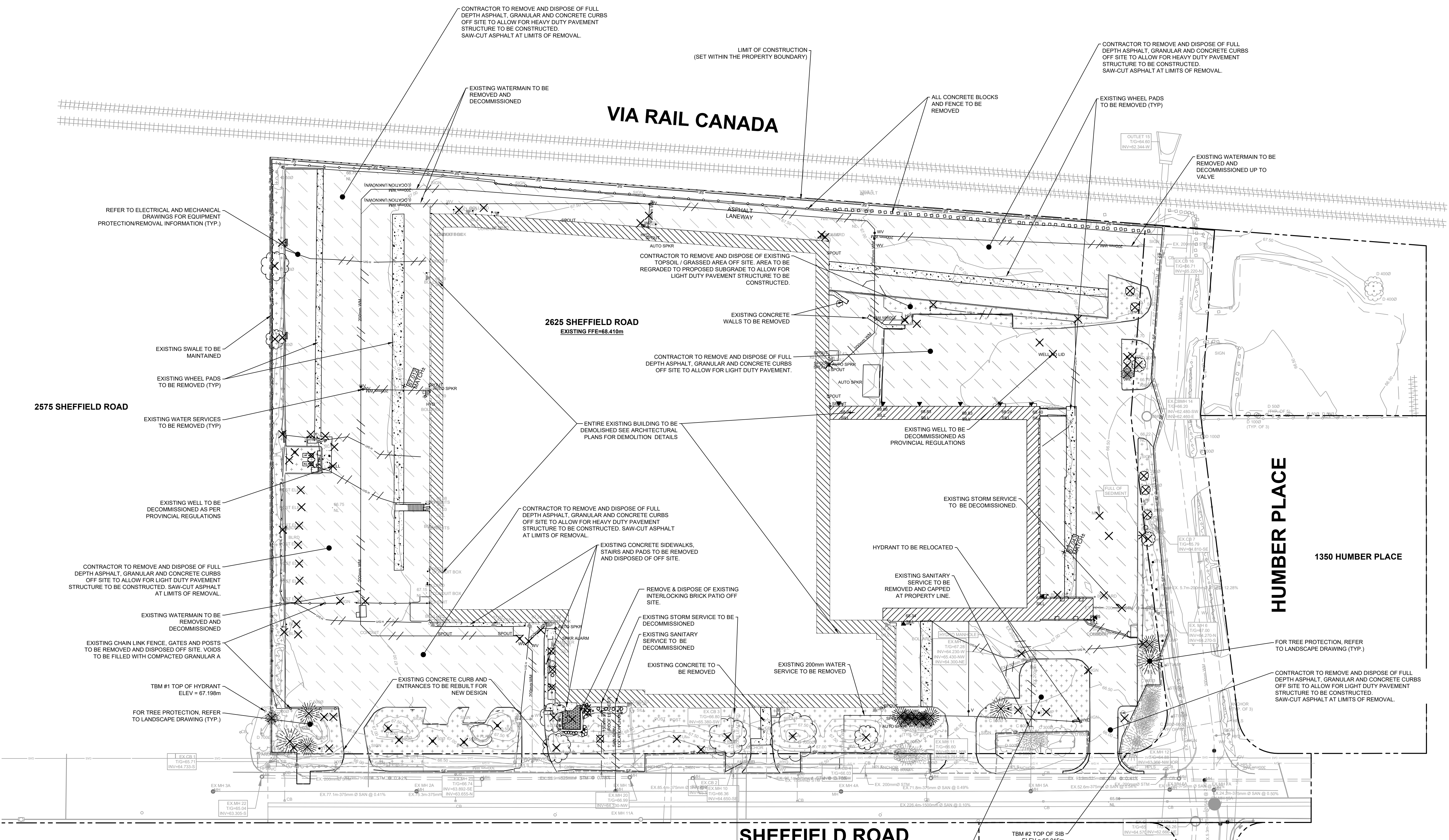
KEY PLAN



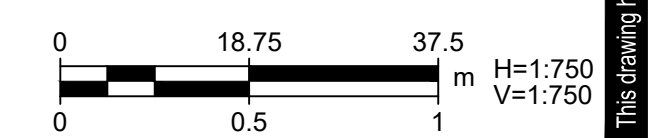
PROJECT NUMBER
60634622

SHEET TITLE
EXISTING CONDITIONS AND REMOVALS

SHEET NUMBER
C101



- NOTE:**
- ALL REMOVED MATERIALS TO BE DISPOSED OF OFF SITE UNLESS OTHERWISE INDICATED.
 - ALL TOPSOIL AND GRASS TO BE REMOVED FROM THE SITE EXCEPT AS REQUIRED FOR LANDSCAPING AND STOCKPILED ON SITE.
 - AREA TO BE CUT AND FILLED TO SUBGRADE ELEVATIONS.



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
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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

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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

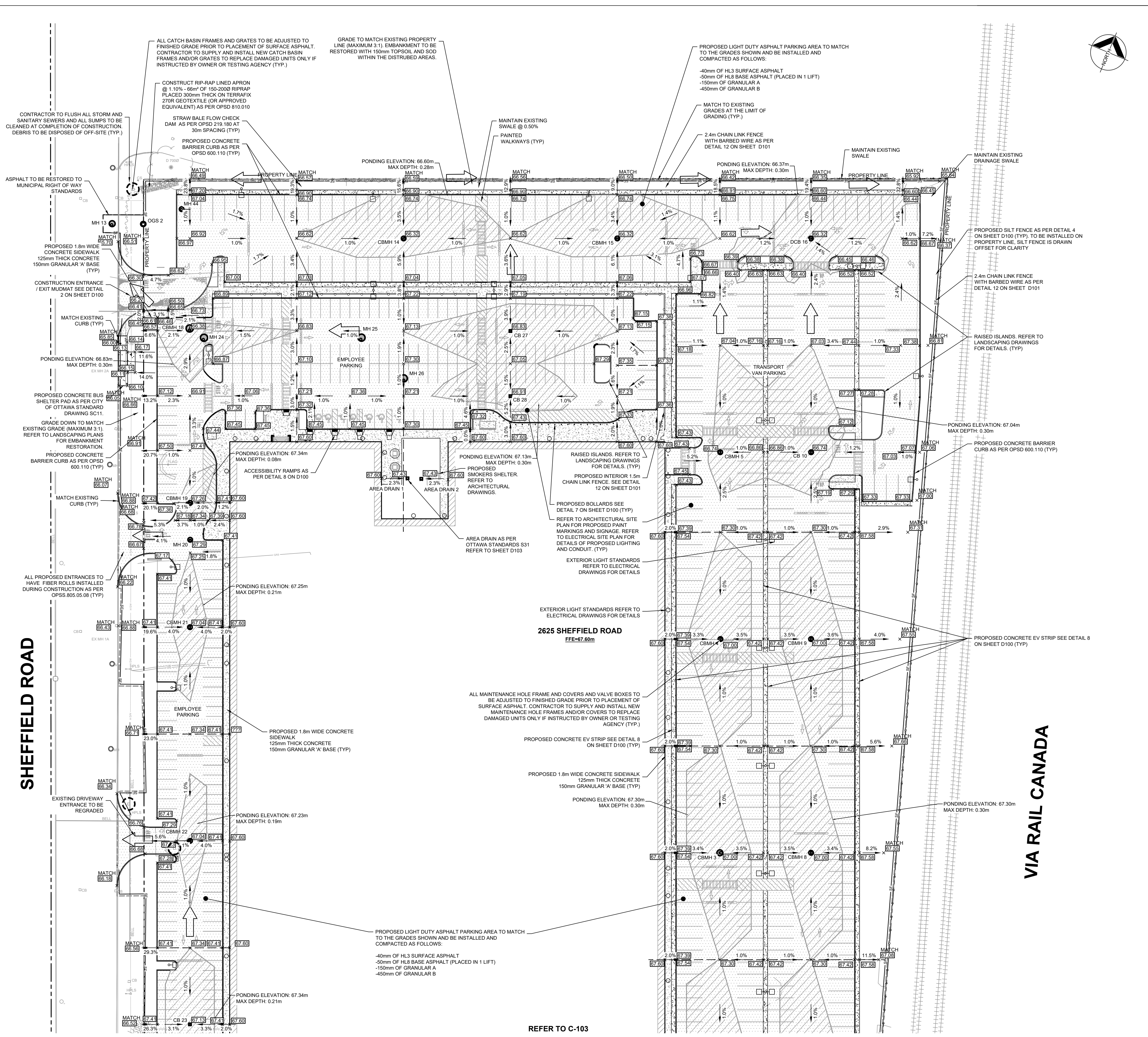
	PROPERTY LINE
	PROPERTY BAR
	EX. CONTOUR
	EX. SPOT ELEVATION
	EX. VEGETATION
	EX. CB, DCB, CBMH AND MH
	EX. SWALE/DITCH
	EX. CHAIN LINK FENCE
	EX. POST & WIRE FENCE
	EX. ABOVE GROUND HYDRO LINE
	EX. MAN DOOR

REMOVALS

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

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

Checked: M.K.P. Y.Y. Approved: D.M.K.P. ARCH D 24" x 36" Designer: F.S. Project Management Initials: S.G. File Name: C:\USERS\LAO.VANG\2022-10-13_Last\Platner: 2022-10-13



SURVEY NOTES

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LEGEND

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

AECOM

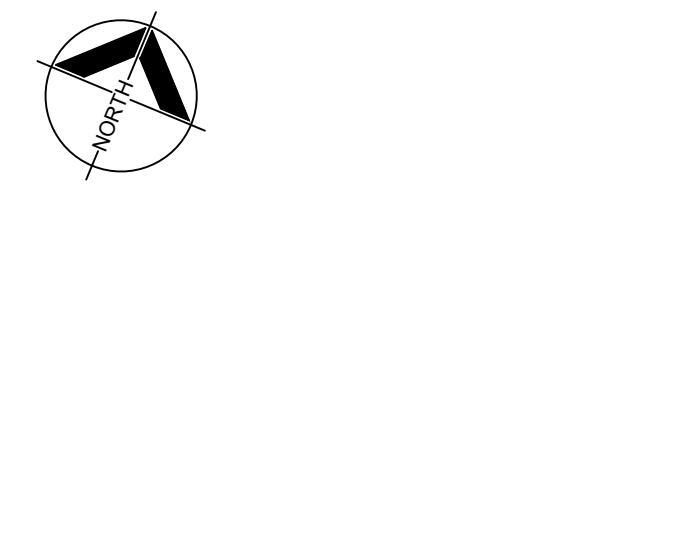
PROJECT
DYT3
OTTAWA, ONTARIO
2625 SHEFFIELD ROAD

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

NOTE:
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REGISTRATION

LICENSED PROFESSIONAL ENGINEER
2022-10-14
M. KULJANI
10021232
PROVINCE OF ONTARIO

ISSUE/REVISION

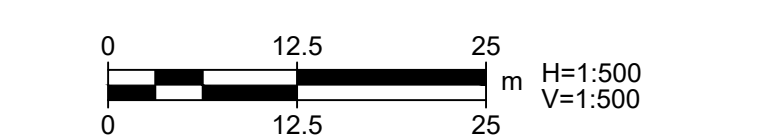
I/R	DATE	DESCRIPTION
2	2022-10-07	ISSUED FOR SPA
1	2022-08-30	LANDLORD REVIEW - SPA SET

KEY PLAN

PROJECT NUMBER
60634622

SHEET TITLE
PROPOSED SITE GRADING AND SEDIMENT AND EROSION CONTROL

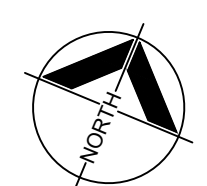
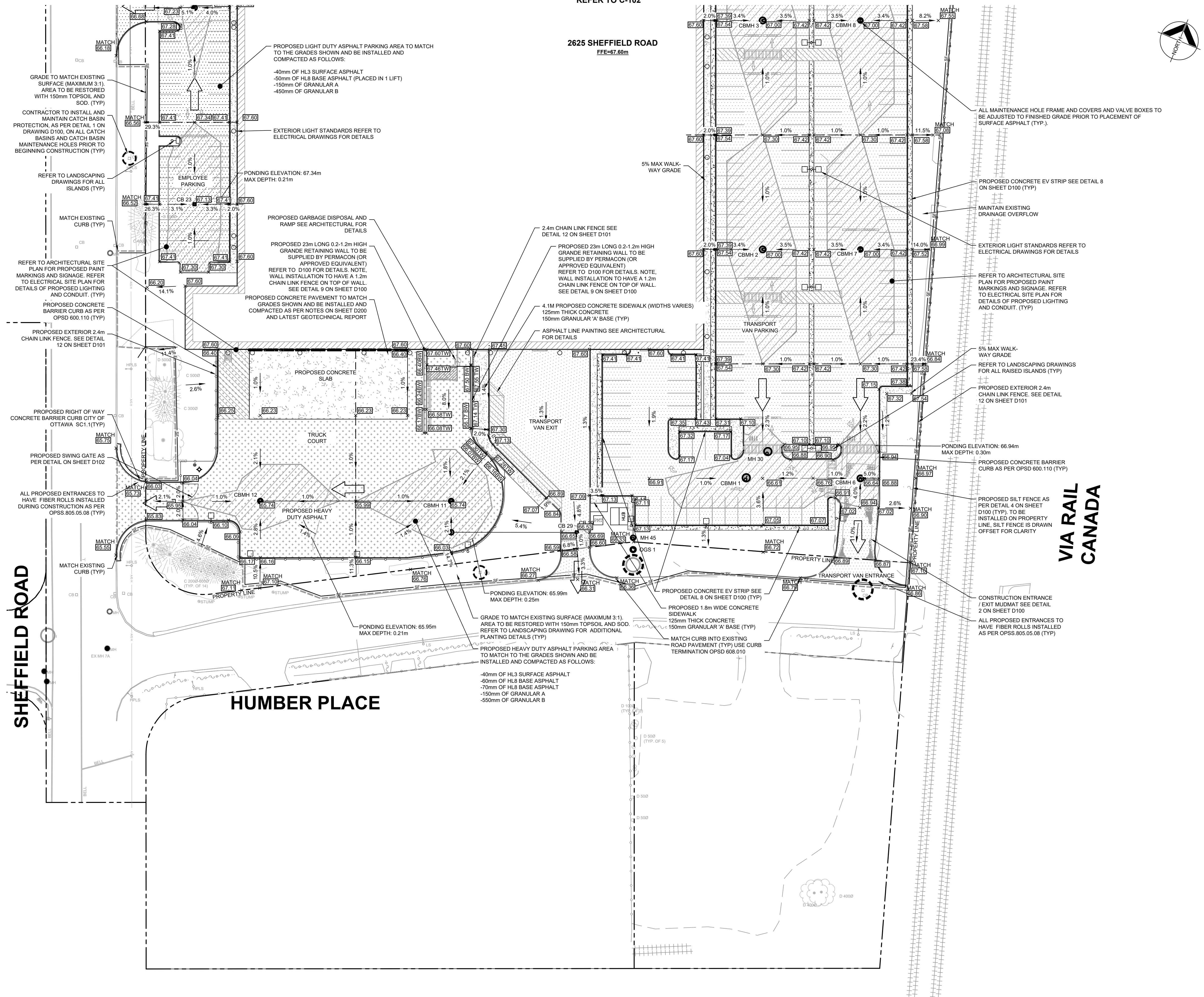
SHEET NUMBER
C102



DOX-XX-XXXX

REFER TO C-102

2625 SHEFFIELD ROAD
 FFE=67.60m



SURVEY NOTES

METRIC NOTE
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VERTICAL DATUM
 NAD-83 VERTICAL DATUM - 1978 RE-ADJUSTMENT (GEODETIC)

COMPLETION NOTE
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PROPERTY BOUNDARIES

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LEGEND

- PROPERTY LINE
- SB PROPERTY BAR
- - - EXISTING CONTOUR
- × 247.50 EX. SPOT ELEVATION
- EX. VEGETATION
- CB, DCB, CBMH AND MH 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
- DIRECTION OF FLOW
- × 269.45 PROPOSED ELEVATION (EDGE OF ASPHALT)
- × 269.45TW PROPOSED TOP OF RETAINING WALL
- × 269.45BW PROPOSED BOTTOM OF RETAINING WALL
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED CONCRETE
- CATCH BASIN TREATMENT
- SF SILT FENCE
- CURB PER OPSD 600.110
- - - DRAINAGE DIVIDE
- - - LIMIT OF CONSTRUCTION
- SNOW STORAGE
- SURFACE PONDING LIMITS
- OVERLAND FLOW ROUTE
- PROPOSED SWALE/ DITCH



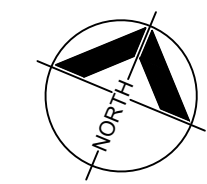
PROJECT
 DYT3
 OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

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

CONSULTANT
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 50 Sportsworld Crossing Road, Suite 290
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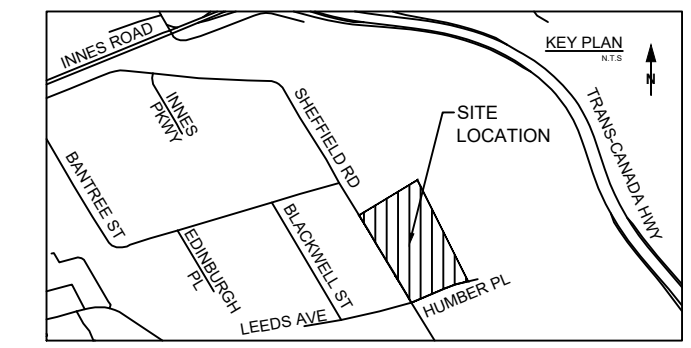
REGISTRATION



ISSUE/REVISION

I/R	DATE	DESCRIPTION
2	2022-10-07	ISSUED FOR SPA
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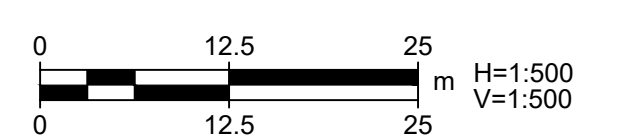
KEY PLAN



PROJECT NUMBER
 60634622

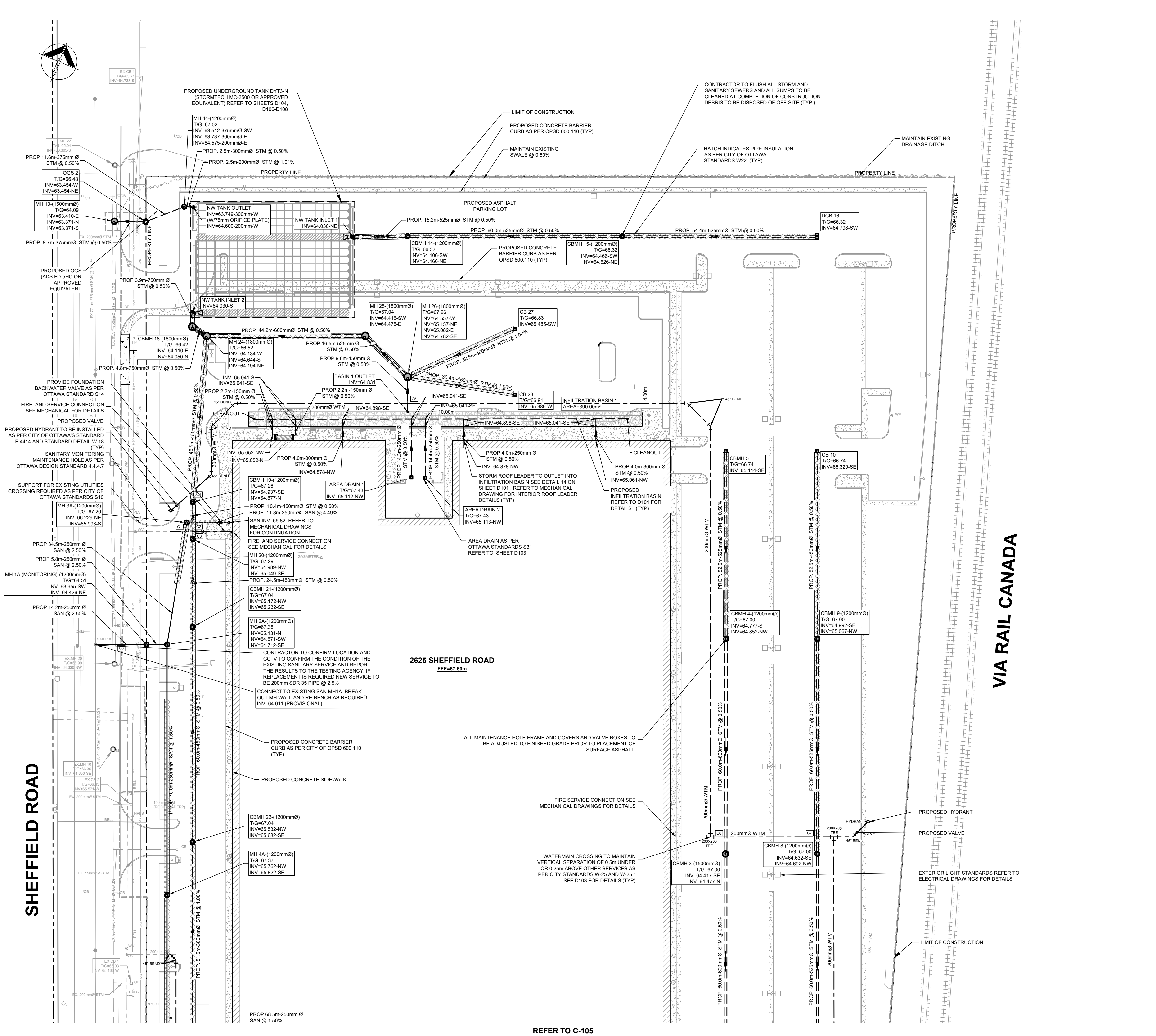
SHEET TITLE
 PROPOSED SITE GRADING AND SEDIMENT CONTROL AND EROSION CONTROL

SHEET NUMBER
 C103



DOY-XX-XXXX

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SURVEY NOTES

METRIC NOTE
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DISTANCE NOTE
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VERTICAL DATUM
NAD-83 VERTICAL DATUM - 1978 RE-ADJUSTMENT (GEODETIC)

COMPLETION NOTE
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SITE BENCHMARKS

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TBM #2 - STANDARD IRON BAR (SIB) LOCATED AT SOUTH WEST CORNER OF 2625 SHEFFIELD ROAD ELEVATION = 66.015m

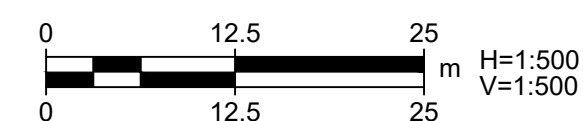
LEGEND

- PROPERTY LINE
- - - PROPERTY BAR
- - - EX. CONTOUR
- x 247.50 EX. SPOT ELEVATION
- - - EX. VEGETATION
- CB, DCB, CBMH AND MH
- - - EX. SWALE/ DITCH
- - - EX. CHAIN LINK FENCE
- - - EX. POST & WIRE FENCE
- - - EX. ABOVE GROUND HYDRO LINE
- PROPOSED RIP RAP
- PROPOSED CB, DCB, CBMH 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

CROSSING TABLE		
CROSSING	PIPE INVERTS	CLEARANCE
C1	SAN INV. = 65.85 WM OBV. = 65.05	0.80
C2	SAN INV. = 66.31 STM OBV. = 65.13	1.74
C3	WM INV. = 65.65 STM OBV. = 65.15	0.25
C4	WM INV. = 65.83 STM OBV. = 65.18	0.25
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. = 65.40 STM OBV. = 65.15	0.25
C8	EX. STM INV. = 64.29 SAN OBV. = 63.72	0.57

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. 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



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
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519 650 5313 tel 519 650 3424 fax
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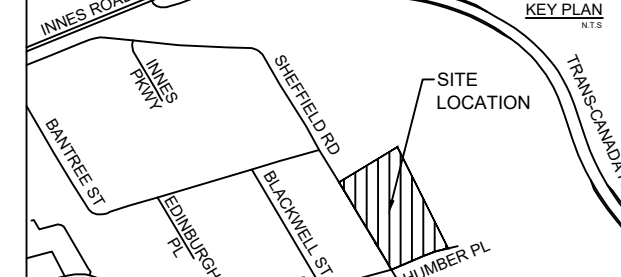
REGISTRATION



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KEY PLAN



PROJECT NUMBER
60634622

SHEET TITLE
PROPOSED SITE SERVICING

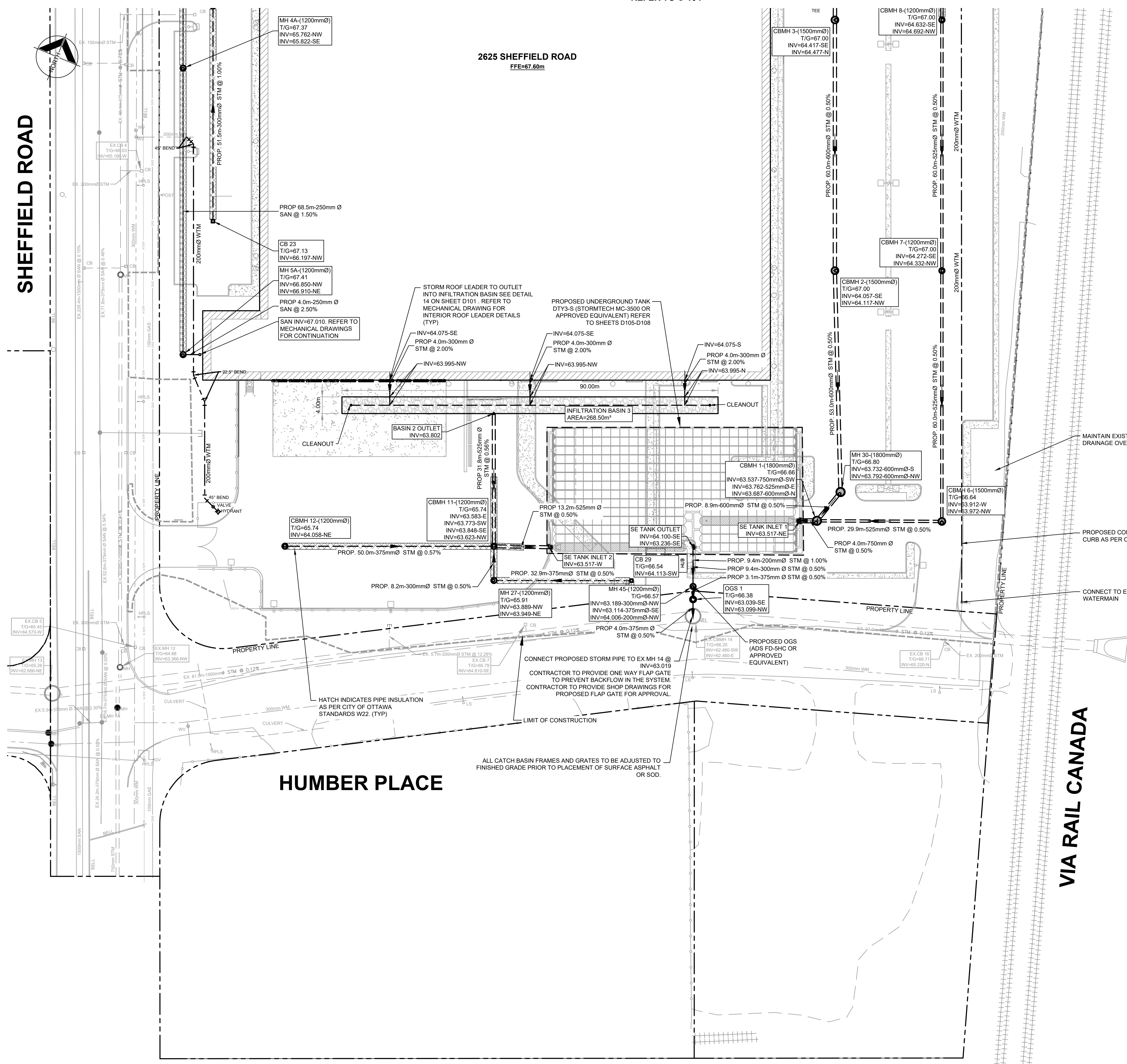
SHEET NUMBER
C104

REFER TO C-105

DOX-XX-XXXX

Last saved by: LAO,VANG(2022,10,13) Last Plotter: 2022-10-13
 Project Management Initials: Designer: F.S. Checked: M.K.Y.Y. Approved: D.M.K.P. ARCH D 24" x 36"
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REFER TO C-104



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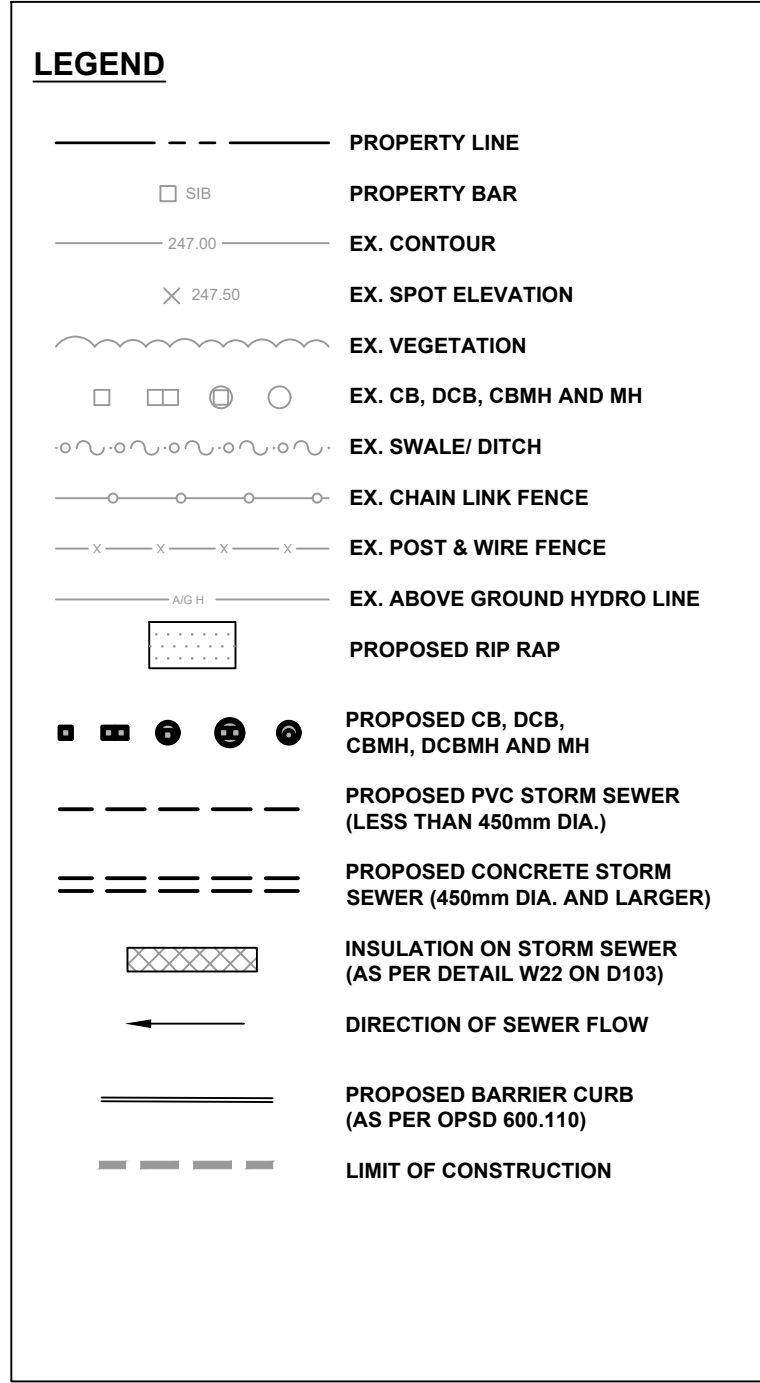
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AECOM

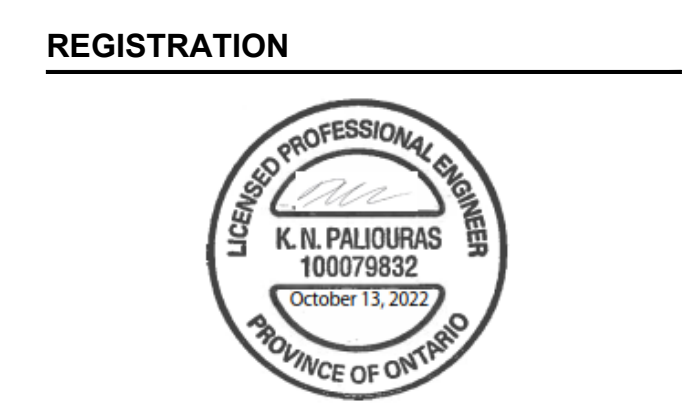
PROJECT
 DYT3
 OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

OWNER
 CHOICE PROPERTIES REIT
 700-22 ST. CLAIR AVENUE EAST
 TORONTO, Ontario, M4T 2S5
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CONSULTANT
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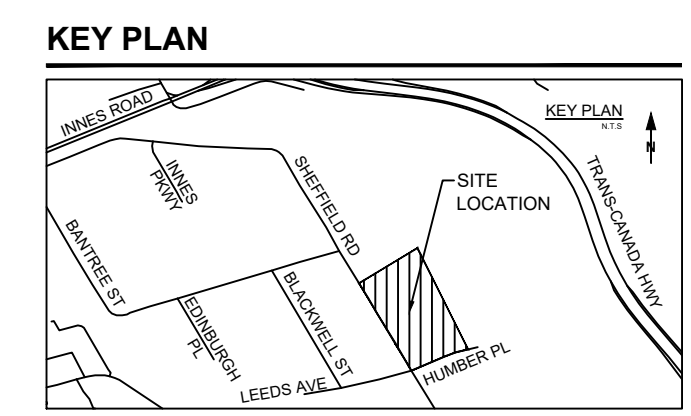
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PROJECT NUMBER
 60634622

SHEET TITLE
 PROPOSED SITE SERVICING

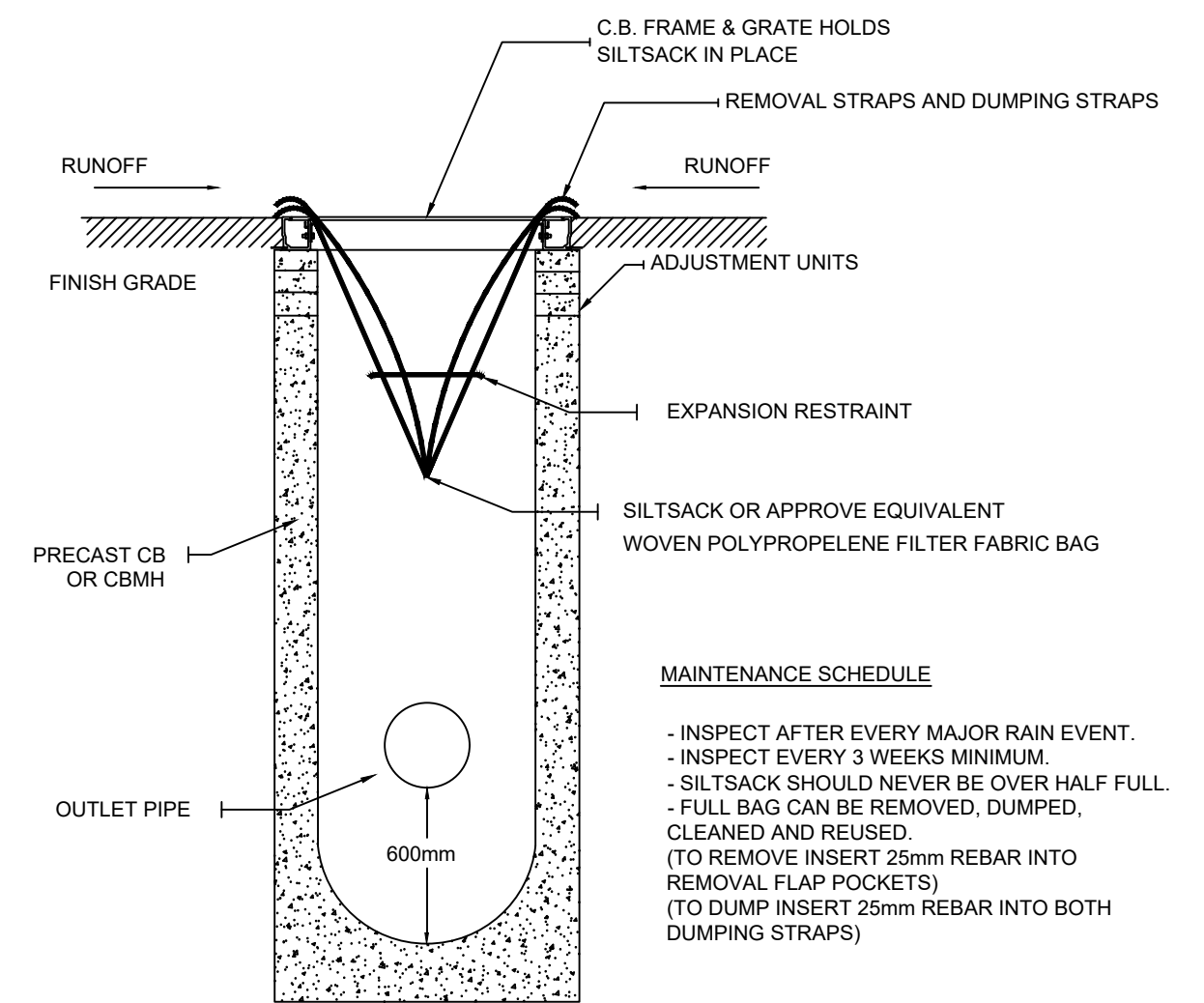
SHEET NUMBER
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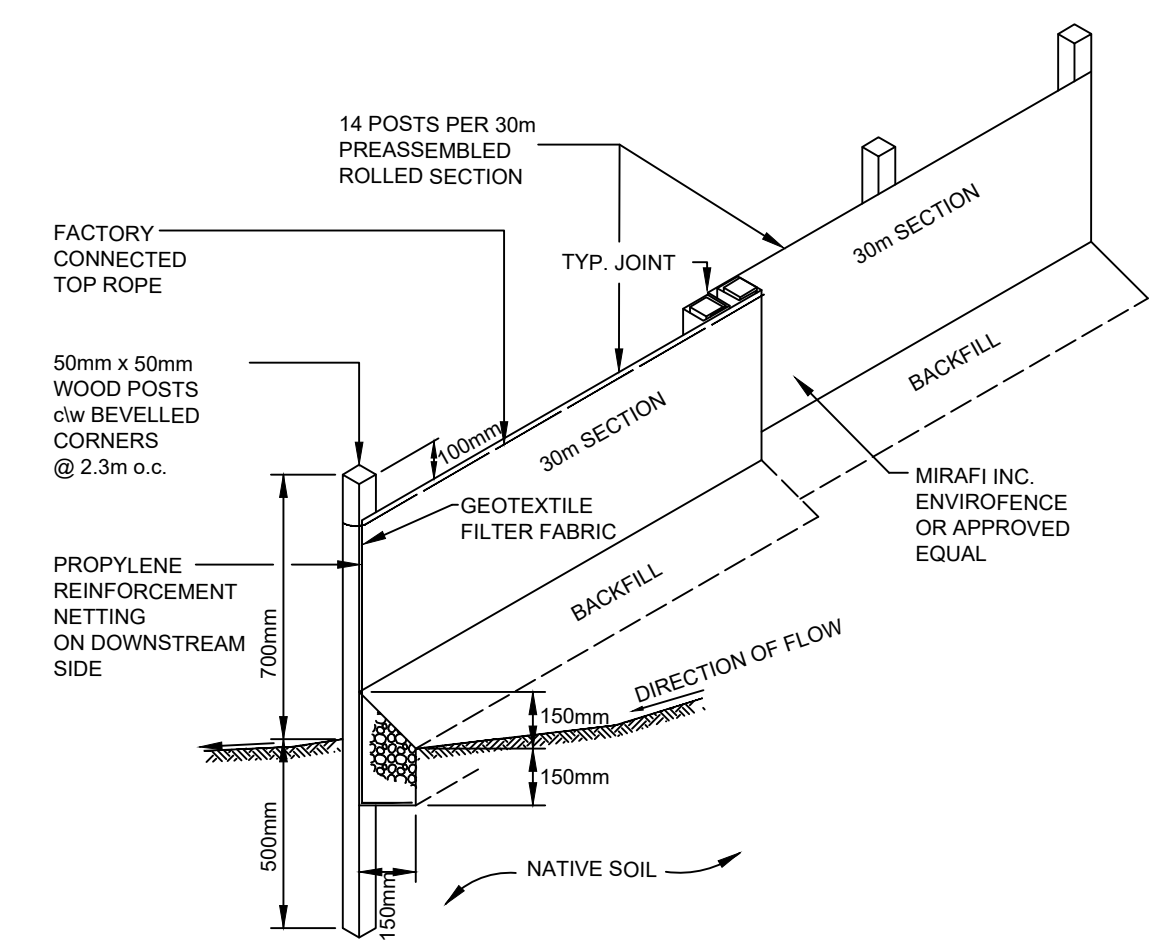
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DOX-XX-XXXX

ARCH D 24" x 36" Approved: D.M. Checked: M.K. Designer: F.S. Project Management Initials: L.AO.VANG(2022-10-13) Last Plotted: 2022-10-13
 File name: C:\USERS\LAO.VANG\ACCORDS\AECOM-AMZN-AMER\BP-AMER (CAN) 60648725-DYT3 GEN3.1 BTSP\PROJECT FILES\900 DESIGN\COLLABORATION\912_CIVIL\912_3_PUBLISHED\60634622 - AMZL OTTAWA - DYT3 - DETAILS.DWG



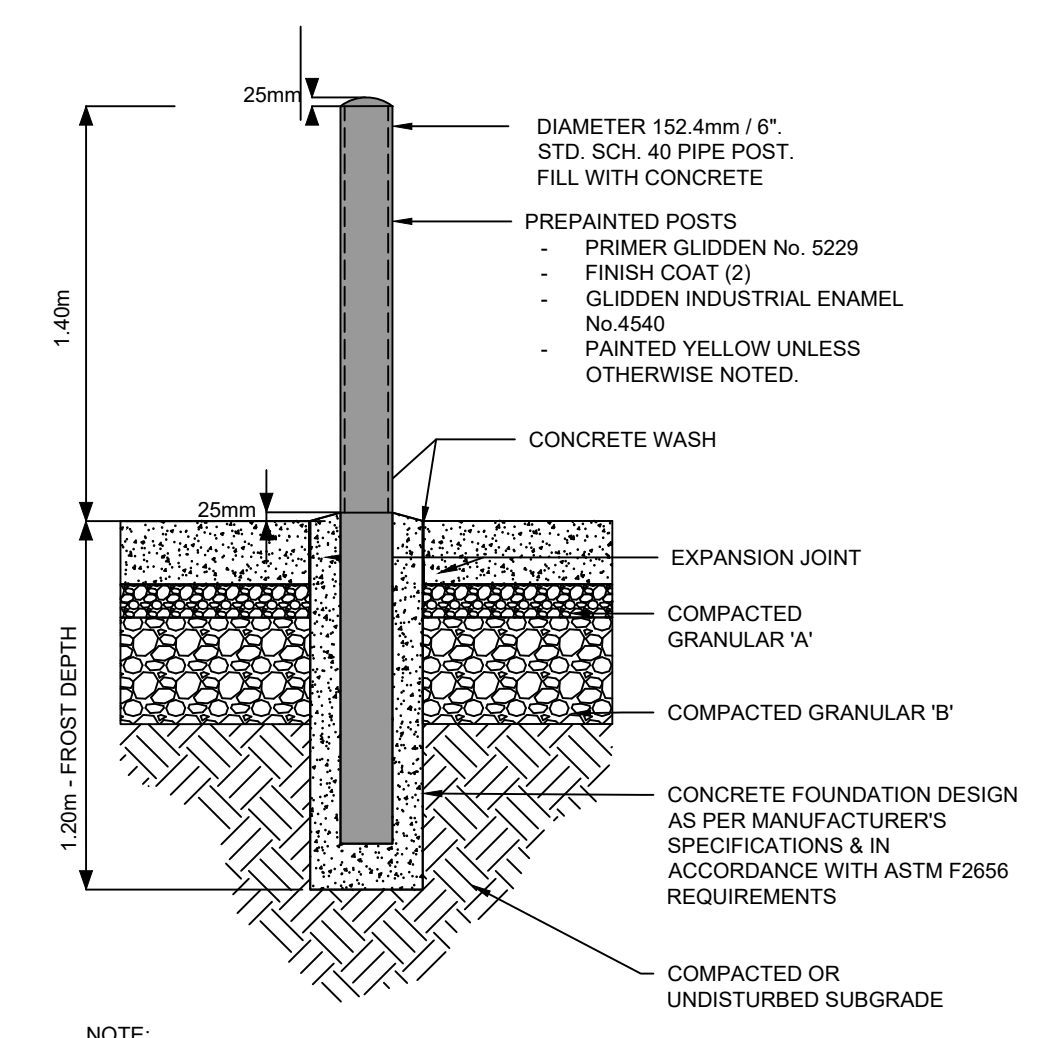
DETAIL CATCH BASIN PROTECTION
NOT TO SCALE



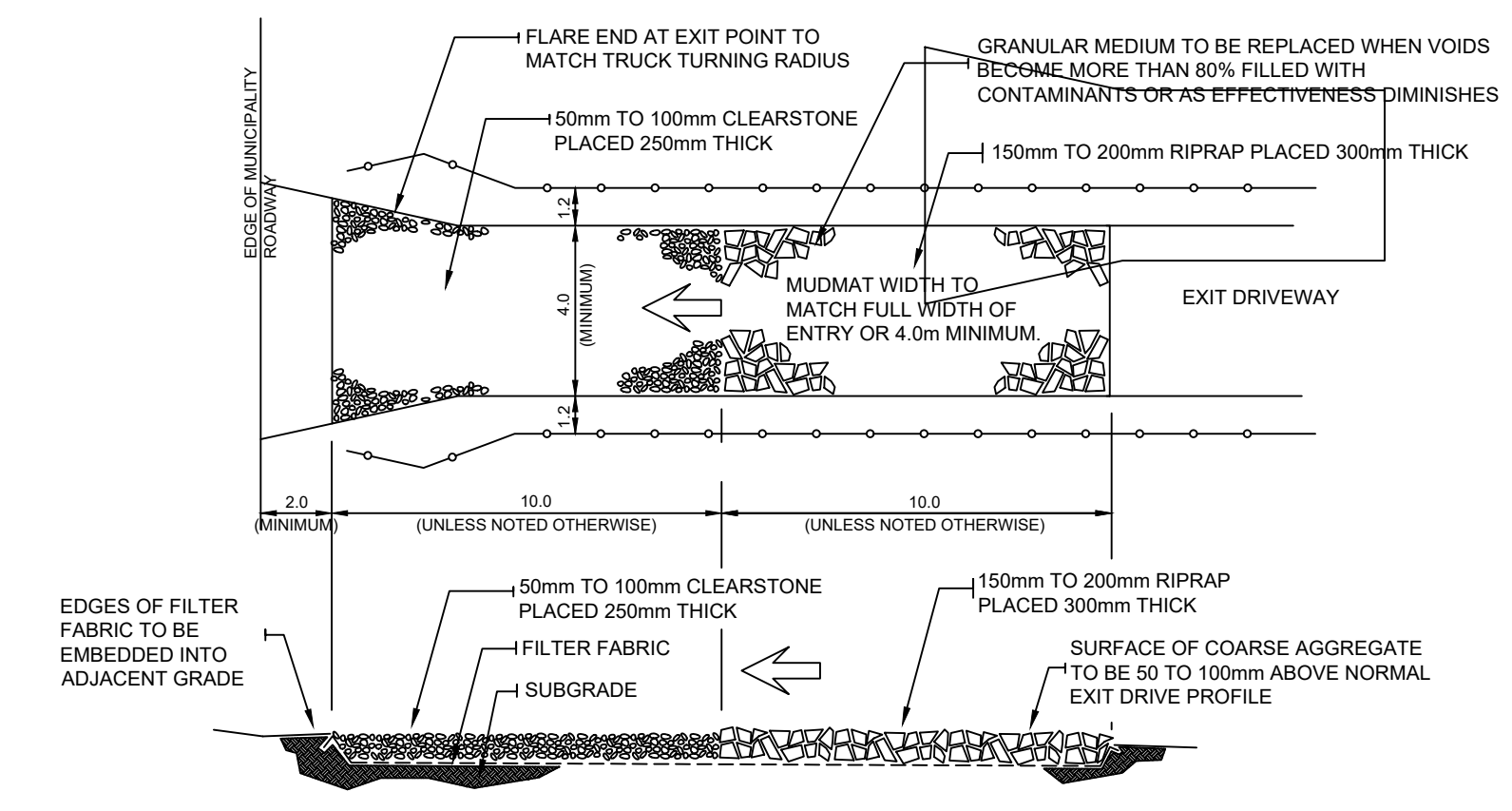
DETAIL SILTATION CONTROL FENCE
NOT TO SCALE MODIFIED OPD 219.110

STORM EVENT	WATER DEPTH (m)	WATER ELEVATION (m)	STORAGE VOLUME (m³)	PEAK FLOW (m³/s)		MAX. OUTFLOW (m³/s)
				75mm ORIFICE	100mm PIPE	
25mm	0.58	63.83	511	0.009	-	0.009
2-YEAR	0.74	63.99	670	0.010	0.007	0.017
5-YEAR	0.94	64.19	869	0.012	0.011	0.023
100-YR	1.52	64.77	1270	0.015	0.018	0.034

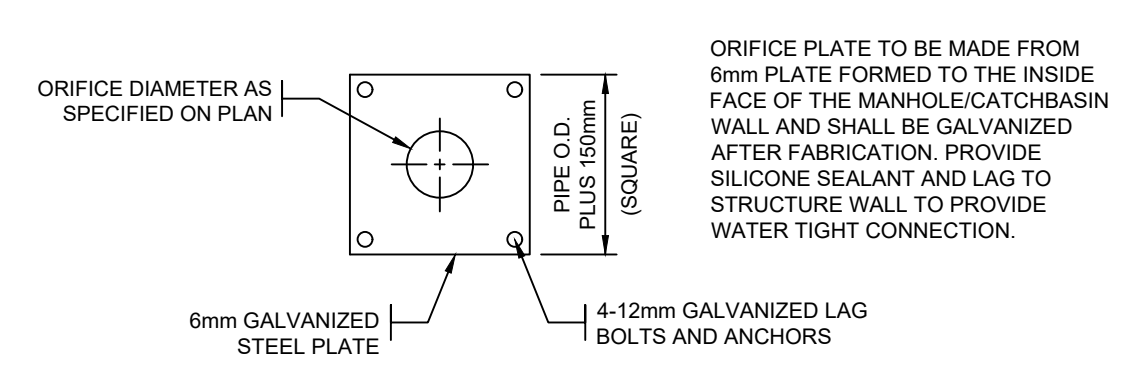
TABLE PROPOSED STORAGE - STAGE - DISCHARGE
(6-HOUR STORM DURATION)



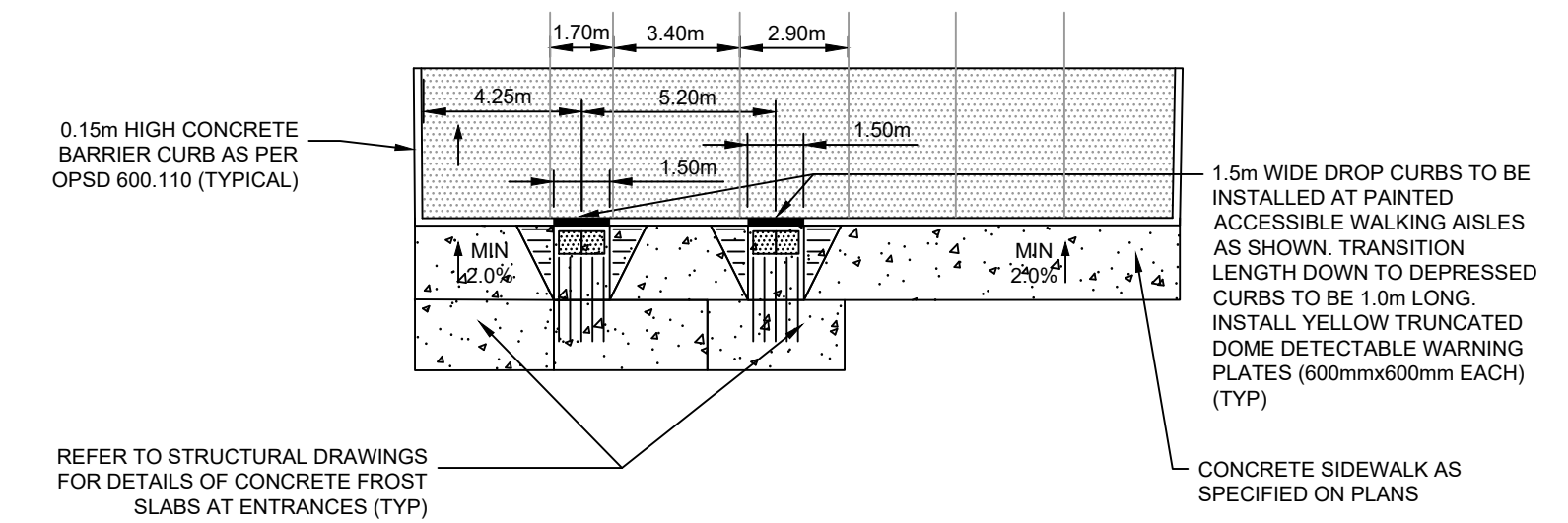
DETAIL STANDARD BOLLARD
NOT TO SCALE



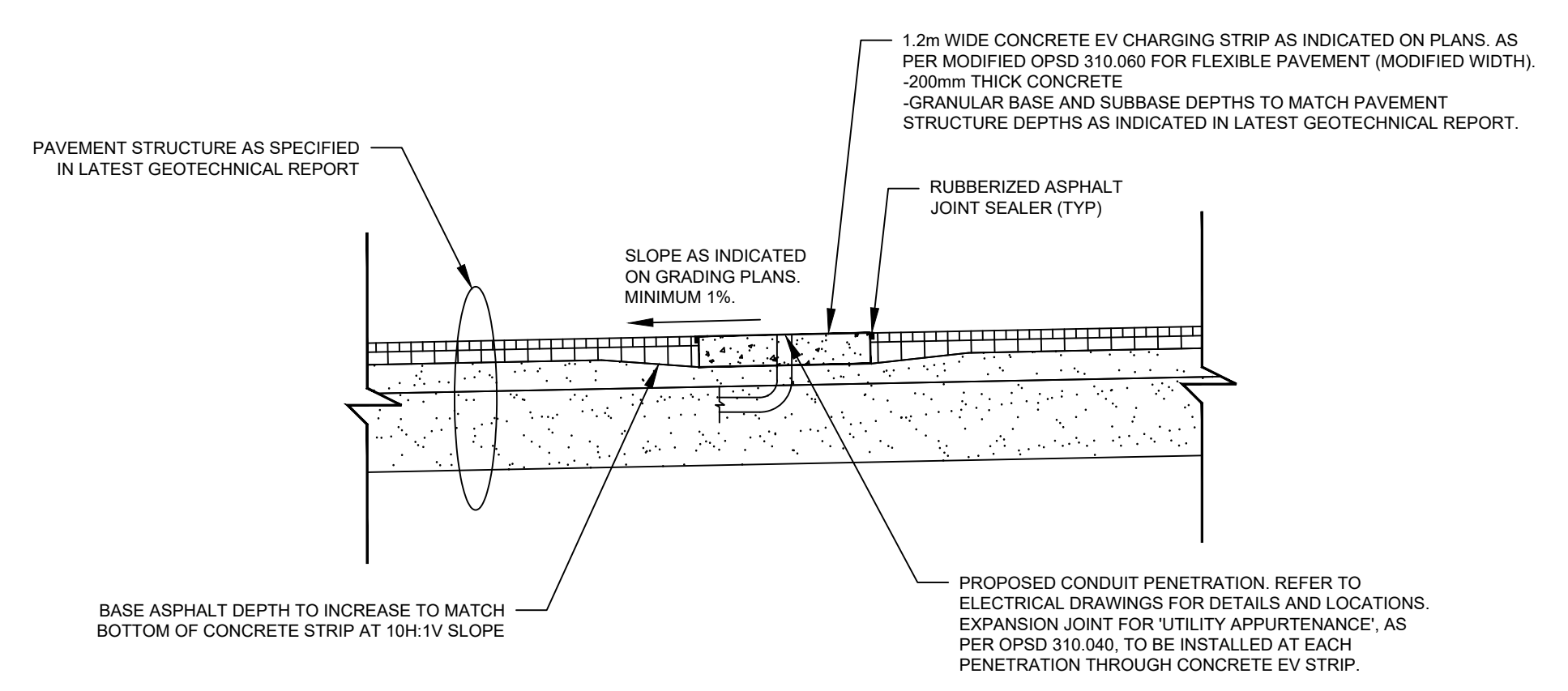
DETAIL EXIT MUDMAT
NOT TO SCALE



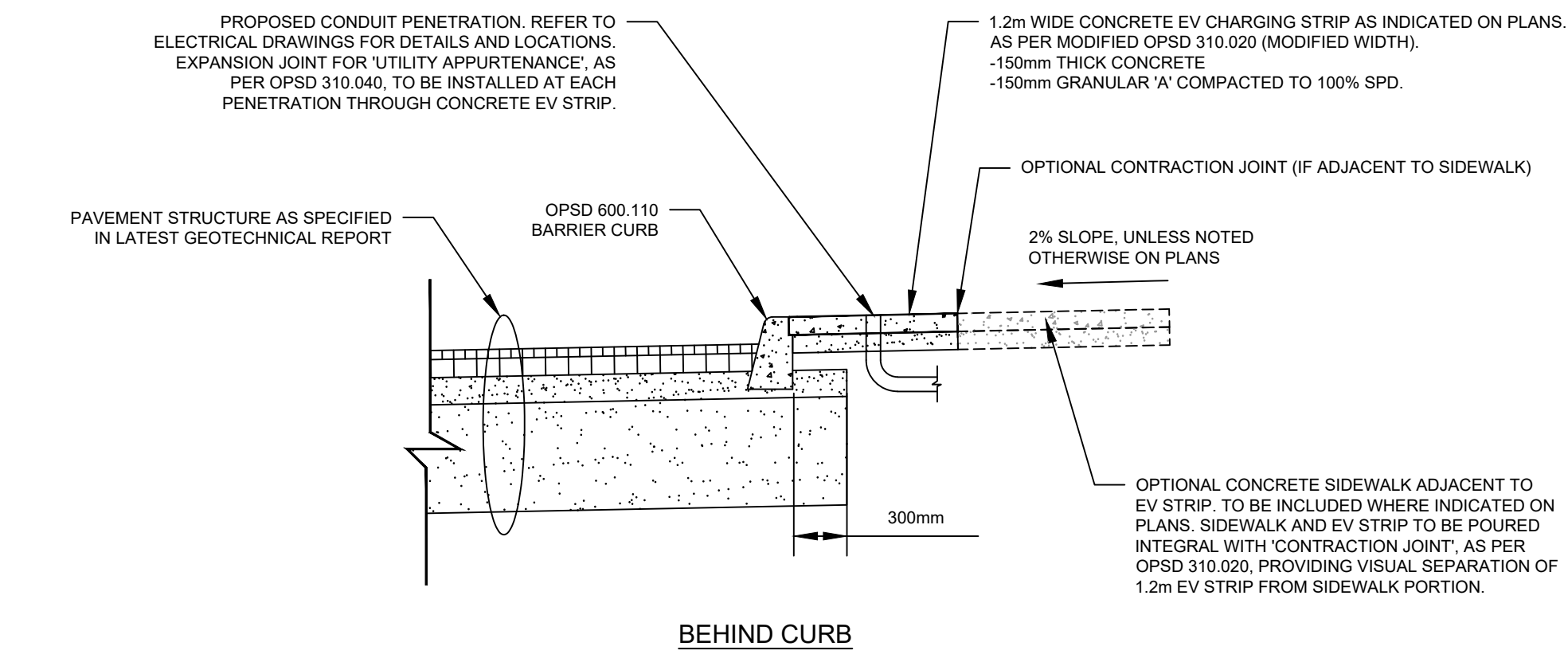
DETAIL ORIFICE PLATE CONSTRUCTION FOR MANHOLE WALL INSTALLATION
NOT TO SCALE



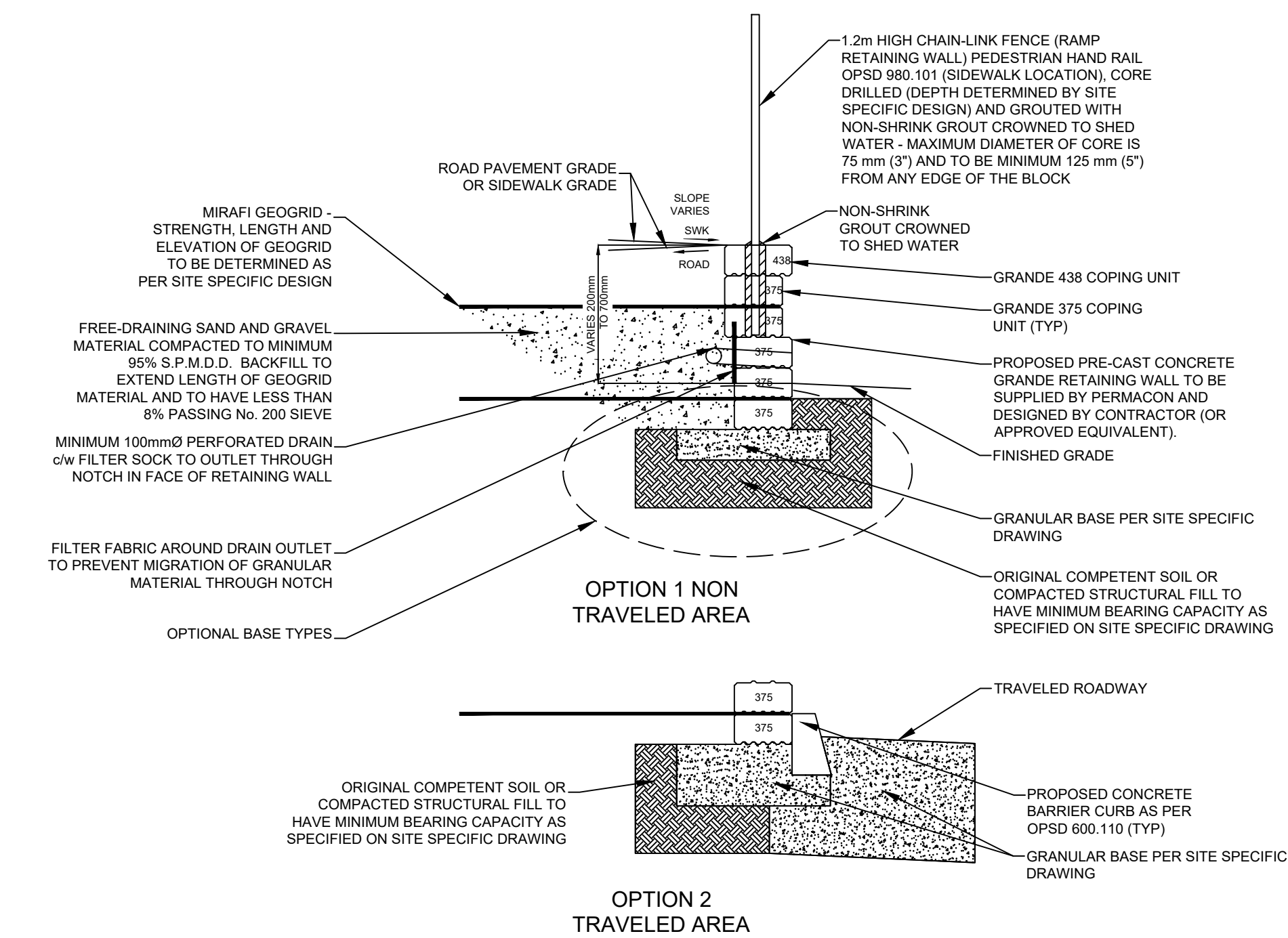
DETAIL TRUNCATED DOME PLATES
NOT TO SCALE TYPICAL FOR ACCESSIBLE PARKING SPACES



DETAIL CONCRETE EV STRIP DETAILS
NOT TO SCALE



DETAIL BEHIND CURB
NOT TO SCALE



DETAIL TYPICAL GRANDE RETAINING WALL
NOT TO SCALE

NOTE:
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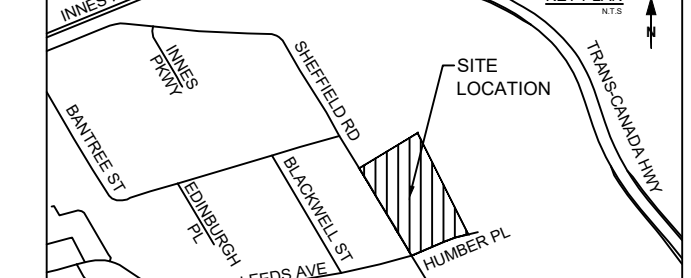
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2	2022-10-07	ISSUED FOR SPA
1	2022-08-30	LANDLORD REVIEW - SPA SET

KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

GENERAL CIVIL DETAILS

SHEET NUMBER

D100

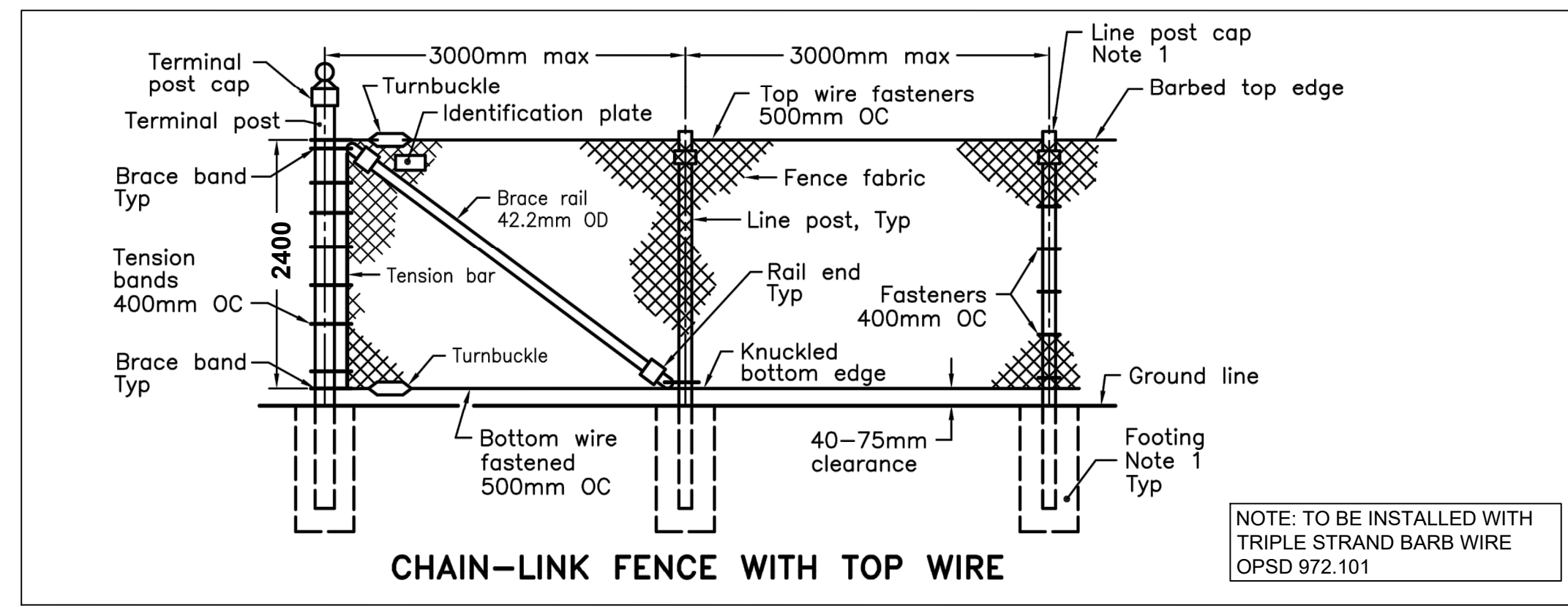
ARCH D 24" x 36" Approved: D.M. Checked: M.K. Designer: F.S. Project Management Initials: DWT
 Last saved by: LAO.VANG/2022.10.13. Last Plotter: 2022-10-13. Filename: C:\USERS\LAO.VANG\ACCORDS\AECOM-AMZN-AMER\BP-AMER (CAN) 60648725-DYT3 GEN3.1 B.TS\PROJECT FILES\900 DESIGN COLLABORATION\912_CIVIL\912_3_PUBLISHED\60634622 - AMZL OTTAWA - DYT3 - DETAILS.DWG
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STRUCTURE TABLE				
STRUCTURE NAME	STRUCTURE TYPE	GRATE TYPE	FINISHED COVER ELEVATION	INVERTS
CBMH 1	OPSD 701.012	OPSD 400.020	66.658	E 63.762 525mmØ N 63.687 600mmØ SW 63.537 750mmØ
MH 30	OPSD 701.011	OPSD 400.020	66.800	S 63.732 600mmØ NW 63.792 600mmØ
CBMH 2	OPSD 701.010	S28.1	66.998	SE 64.057 600mmØ NW 64.117 600mmØ
CBMH 3	OPSD 701.010	OPSD 400.020	66.998	SE 64.417 600mmØ N 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	66.841	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 63.773 375mmØ SE 63.848 300mmØ NW 63.623 525mmØ
CBMH 12	OPSD 705.010	OPSD 400.020	65.743	NE 64.058 375mmØ
MH 27	OPSD 701.010	OPSD 401.010	65.907	NW 63.889 300mmØ NE 63.949 375mmØ
CB 29	OPSD 705.010	OPSD 400.020	66.544	SW 64.113 375mmØ
CBMH 14	OPSD 701.010	OPSD 400.020	66.319	SW 64.106 525mmØ NE 64.166 525mmØ
CBMH 15	OPSD 701.010	S28.1	66.319	SW 64.466 525mmØ NE 64.526 525mmØ
DCB 16	OPSD 705.010	OPSD 400.020	66.322	SW 64.798 525mmØ
CBMH 18	OPSD 701.011	OPSD 400.020	66.416	E 64.110 750mmØ N 64.050 750mmØ
MH 24	OPSD 701.011	OPSD 400.020	66.521	W 64.134 750mmØ NE 64.194 600mmØ S 64.644 450mmØ
MH 25	OPSD 701.011	OPSD 400.020	67.043	SW 64.415 600mmØ E 64.475 450mmØ
MH 26	OPSD 701.012	OPSD 401.010	67.257	W 64.557 525mmØ NE 65.157 450mmØ E 65.082 450mmØ SE 64.782 450mmØ
CB 27	OPSD 705.010	OPSD 400.020	66.827	SW 65.485 450mmØ
CB 28	OPSD 705.010	OPSD 400.020	66.911	W 65.386 450mmØ
CBMH 19	OPSD 701.010	OPSD 400.020	67.264	SE 64.937 450mmØ N 64.877 450mmØ
MH 20	OPSD 701.010	OPSD 401.101	67.286	NW 64.989 450mmØ SE 65.049 450mmØ
CBMH 21	OPSD 701.010	OPSD 400.020	67.043	NW 65.172 450mmØ SE 65.232 450mmØ
CBMH 22	OPSD 701.010	OPSD 400.020	67.043	NW 65.532 450mmØ SE 65.682 300mmØ
CB 23	OPSD 705.010	OPSD 400.020	67.128	NW 66.197 300mmØ
MH 44	OPSD 701.010	OPSD 401.101	67.022	SW 63.512 375mmØ E 63.737 300mmØ E 64.575 200mmØ
MH 45	OPSD 701.010	OPSD 401.101	66.566	SE 63.114 375mmØ NW 63.189 300mmØ NW 64.006 200mmØ
OGS 1	OGS STC9000	OPSD 401.010	66.382	SE 63.039 375mmØ NW 63.099 375mmØ
OGS 2	OGS STC9000	OPSD 401.101	66.481	W 63.454 375mmØ NE 63.454 375mmØ

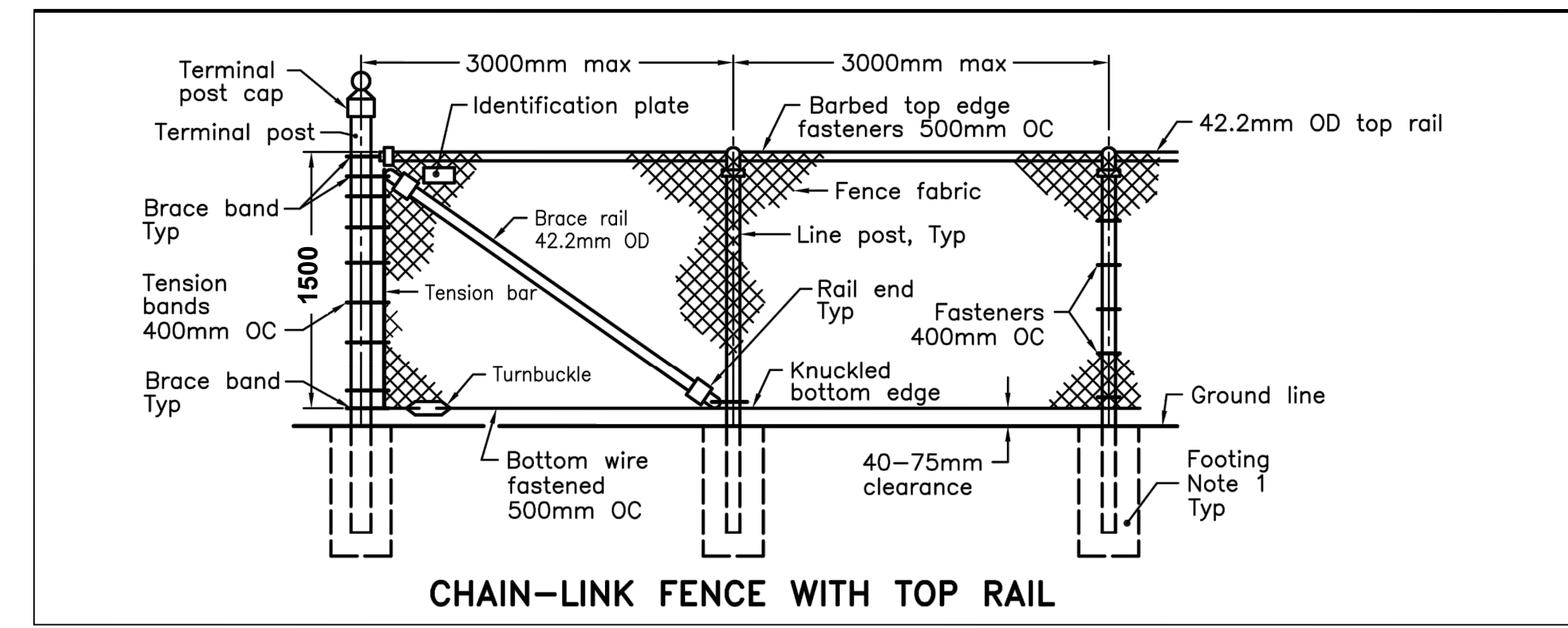
TABLE PROPOSED STORM STRUCTURE TABLE 10

STRUCTURE TABLE				
STRUCTURE NAME	STRUCTURE TYPE	GRATE TYPE	FINISHED COVER ELEVATION	INVERTS
MH 1A (MONITORING)	OPSD 701.010	OPSD 400.020	64.512	SW 63.955 250mmØ NE 64.426 250mmØ
MH 2A	OPSD 701.010	OPSD 400.020	67.382	N 65.131 250mmØ SW 64.571 250mmØ SE 64.712 250mmØ
MH 3A	OPSD 701.010	OPSD 400.020	67.258	S 65.993 250mmØ NE 66.229 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

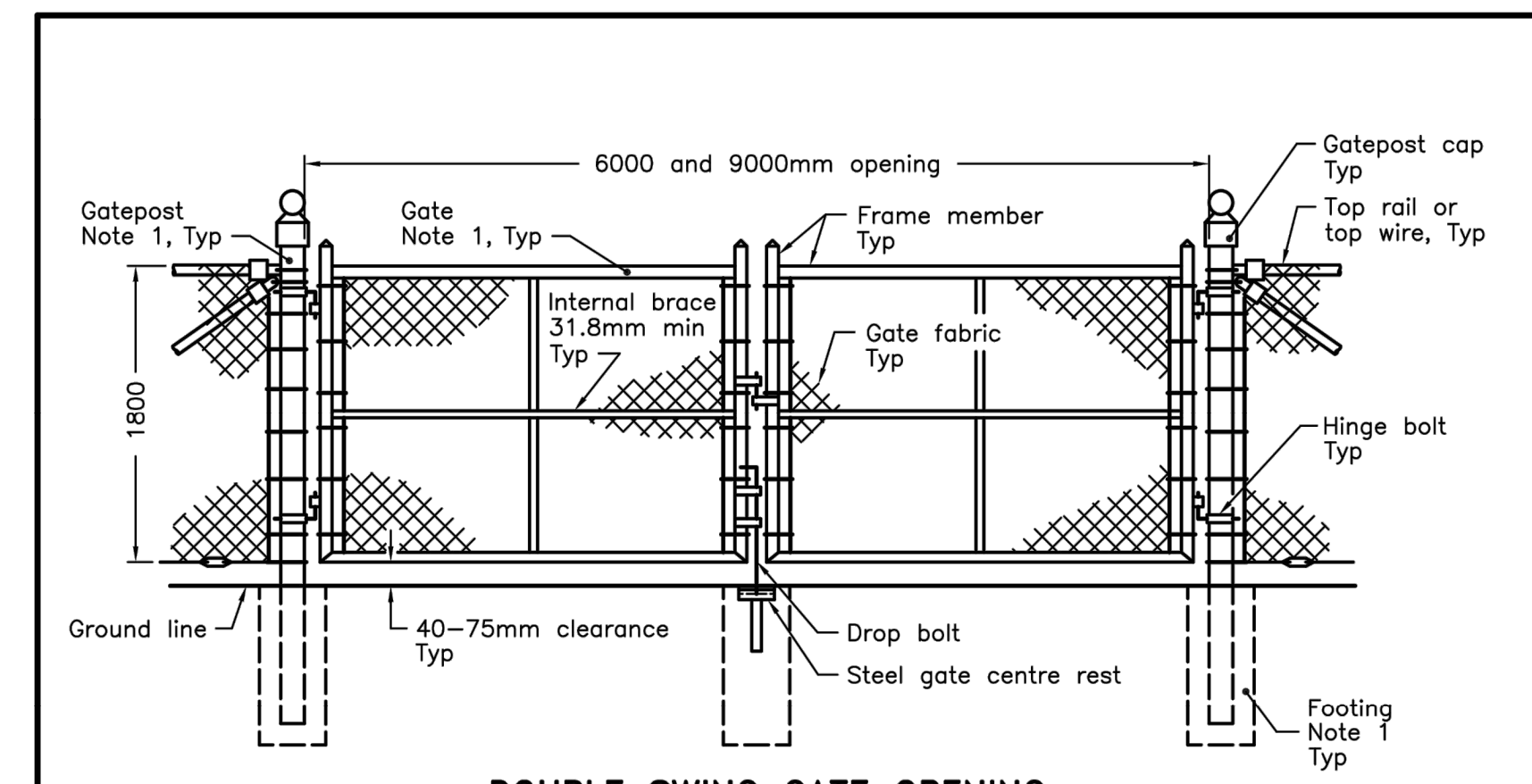
TABLE PROPOSED SANITARY STRUCTURE TABLE 11



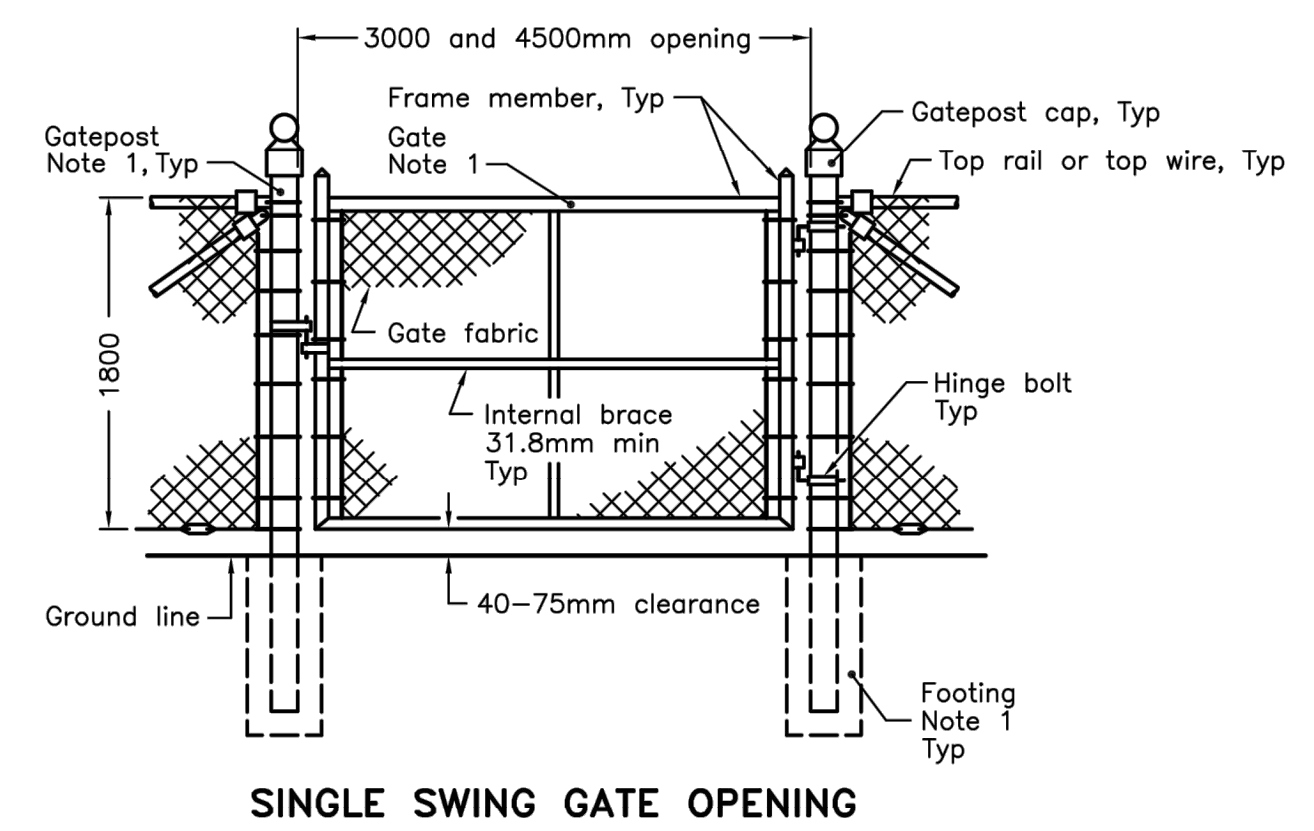
DETAIL 2.4m CHAIN LINK FENCE 12
NOT TO SCALE MODIFIED OPSD 972.130



DETAIL 1.5m CHAIN LINK FENCE 13
NOT TO SCALE MODIFIED OPSD 972.130



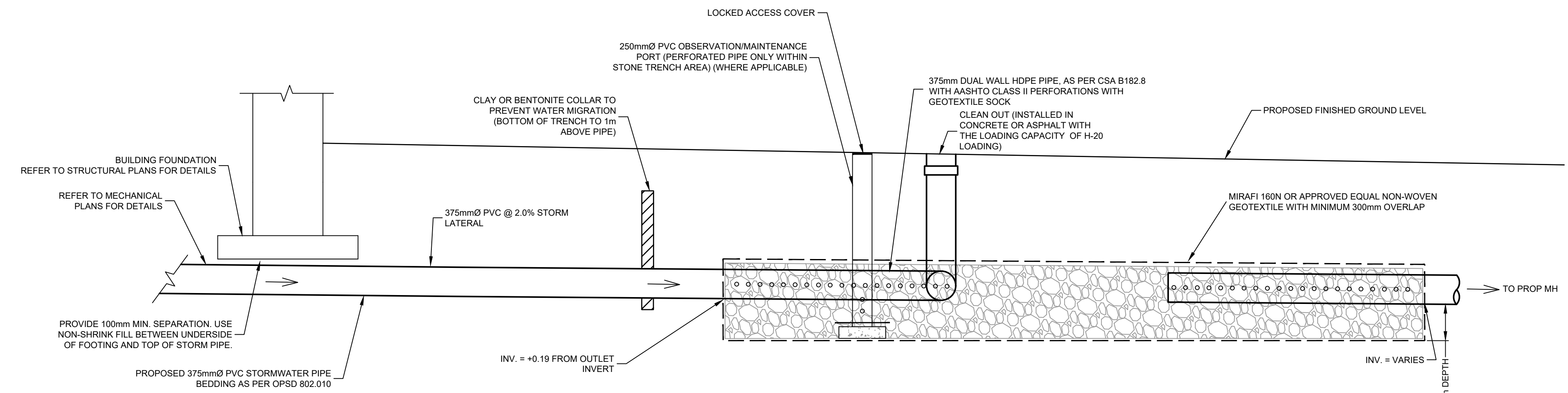
DOUBLE SWING GATE OPENING



SINGLE SWING GATE OPENING

NOTES:
 1 For footing details and Gate and Gatepost Details Table refer to OPSD 972.132.
 A Gates as viewed from the roadway.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2	
FENCE, CHAIN-LINK COMPONENT - GATE	OPSD 972.102		



DETAIL ROOF DRAINAGE INFILTRATION BASIN (TYP) 14
N.T.S.



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

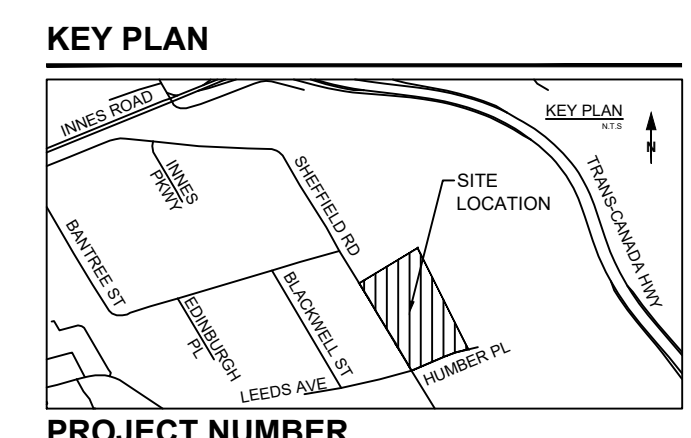
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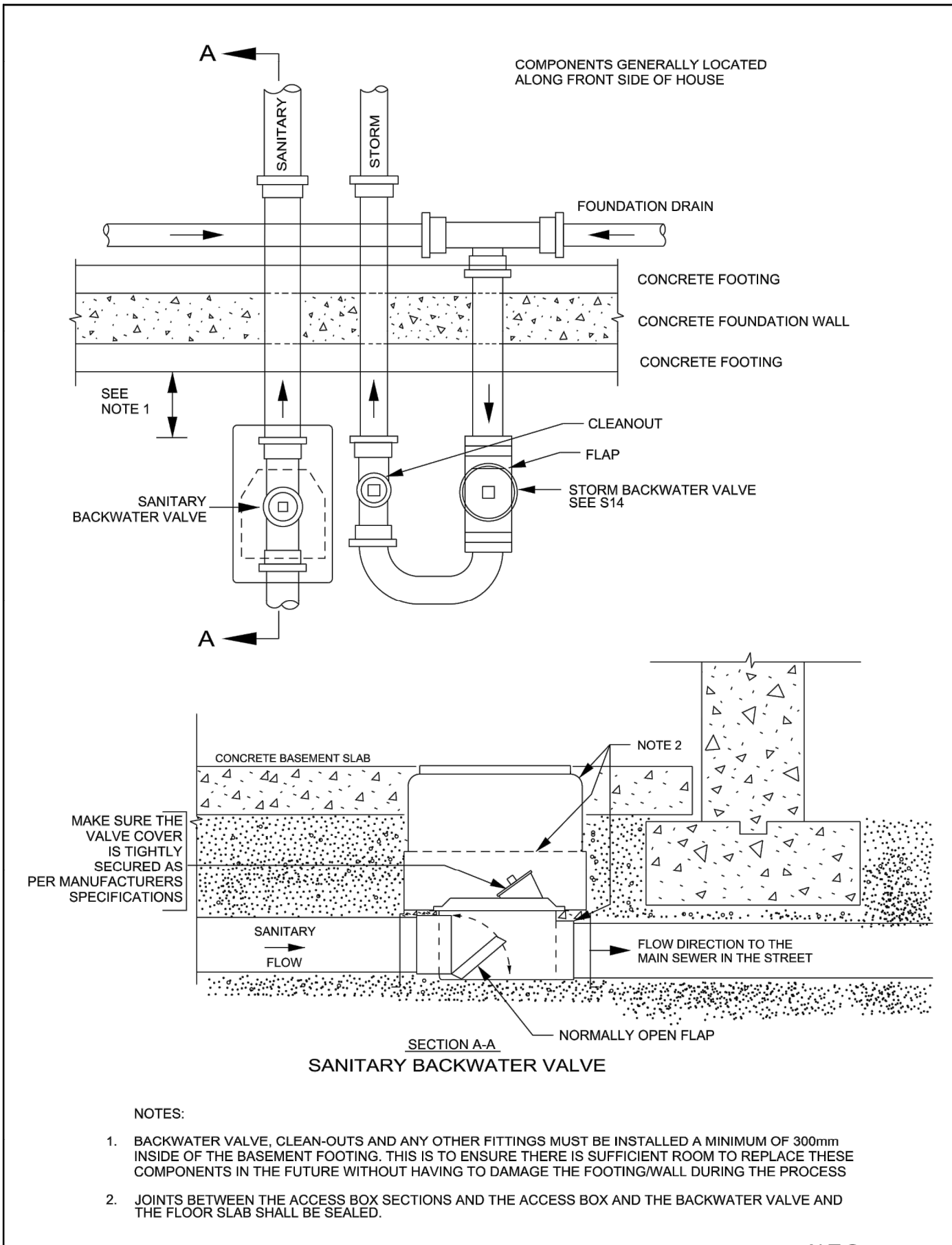
ISSUE/REVISION

I/R	DATE	DESCRIPTION
2	2022-10-07	ISSUED FOR SPA
1	2022-08-30	LANDLORD REVIEW - SPA SET



PROJECT NUMBER
 60634622
SHEET TITLE
 STRUCTURE TABLES, STORMWATER AND FENCE DETAILS
SHEET NUMBER
 D101

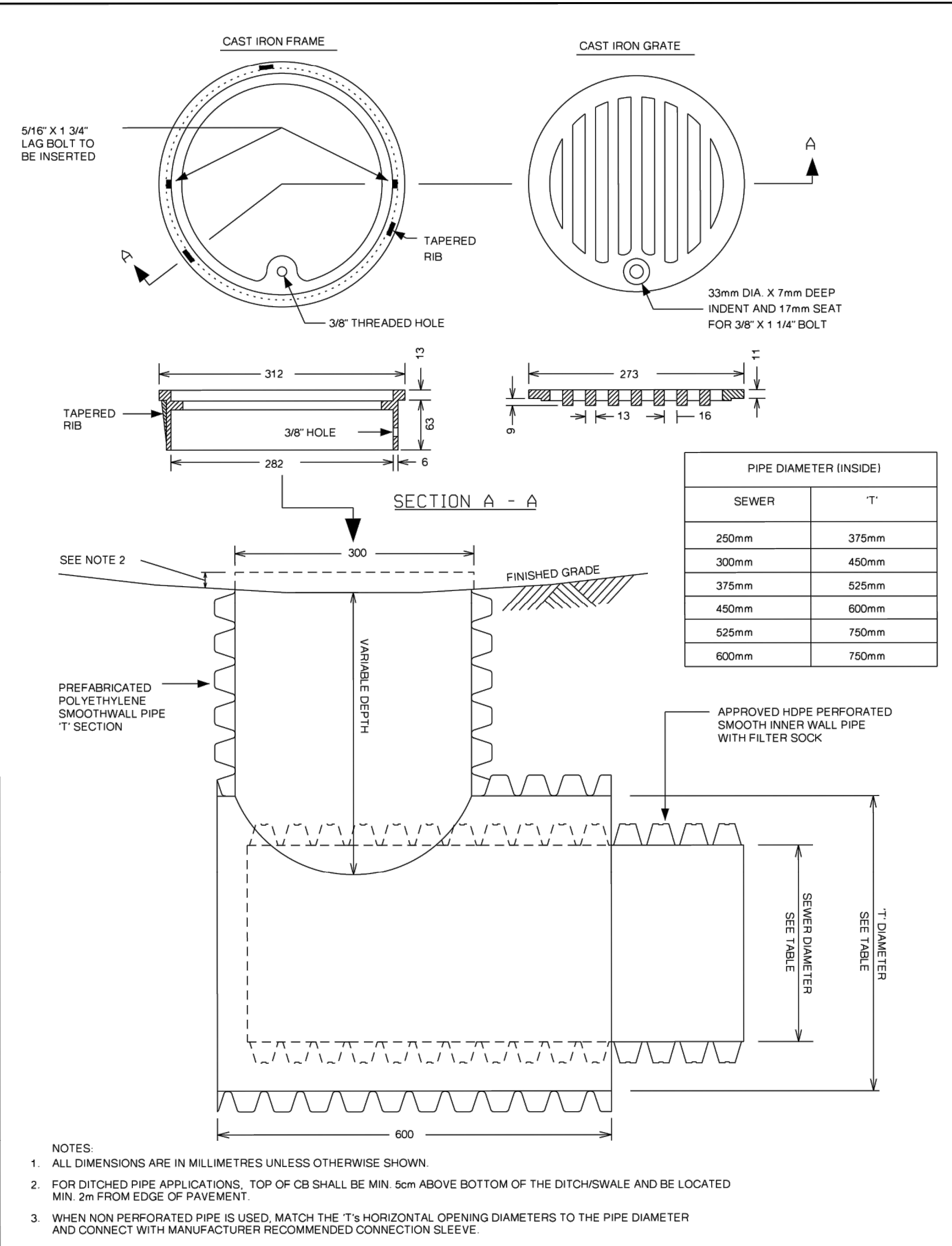
#XXXXX



NOTES:

- 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 FOOTING WALL DURING THE PROCESS.
- JOINTS BETWEEN THE ACCESS BOX SECTIONS AND THE ACCESS BOX AND THE BACKWATER VALVE AND THE FLOOR SLAB SHALL BE SEALED.

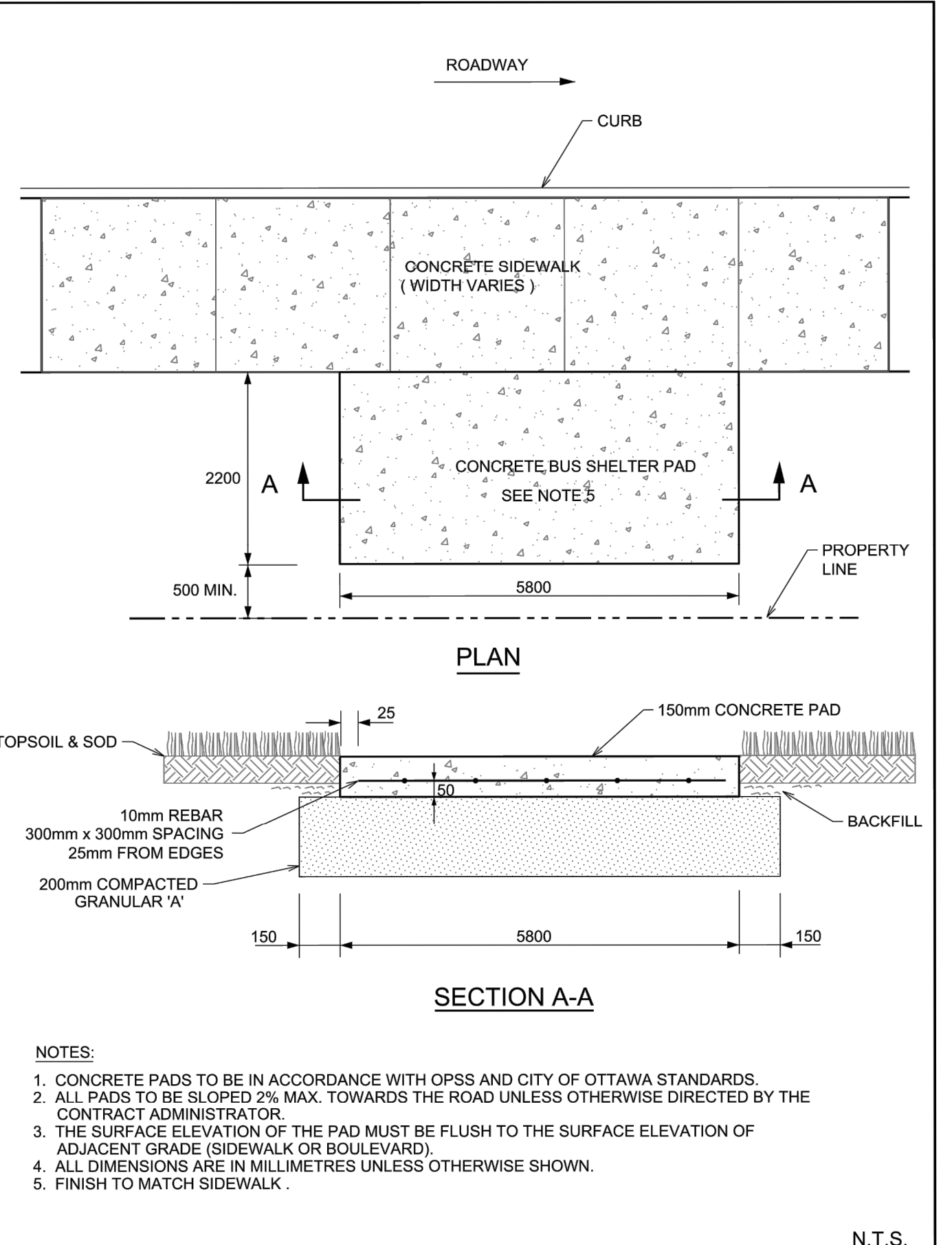
N.T.S.	
DATE:	MARCH 2019
REV. DATE:	MARCH 2011
DWG. No.:	S14.1



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
- FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MIN. 2m FROM EDGE OF PAVEMENT.
- WHEN NON PERFORATED PIPE IS USED, MATCH THE 1% HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER'S RECOMMENDED CONNECTION SLEEVE.
- SEE MS-23-19 FOR ALTERNATE APPROVED FITTING MANUFACTURERS.

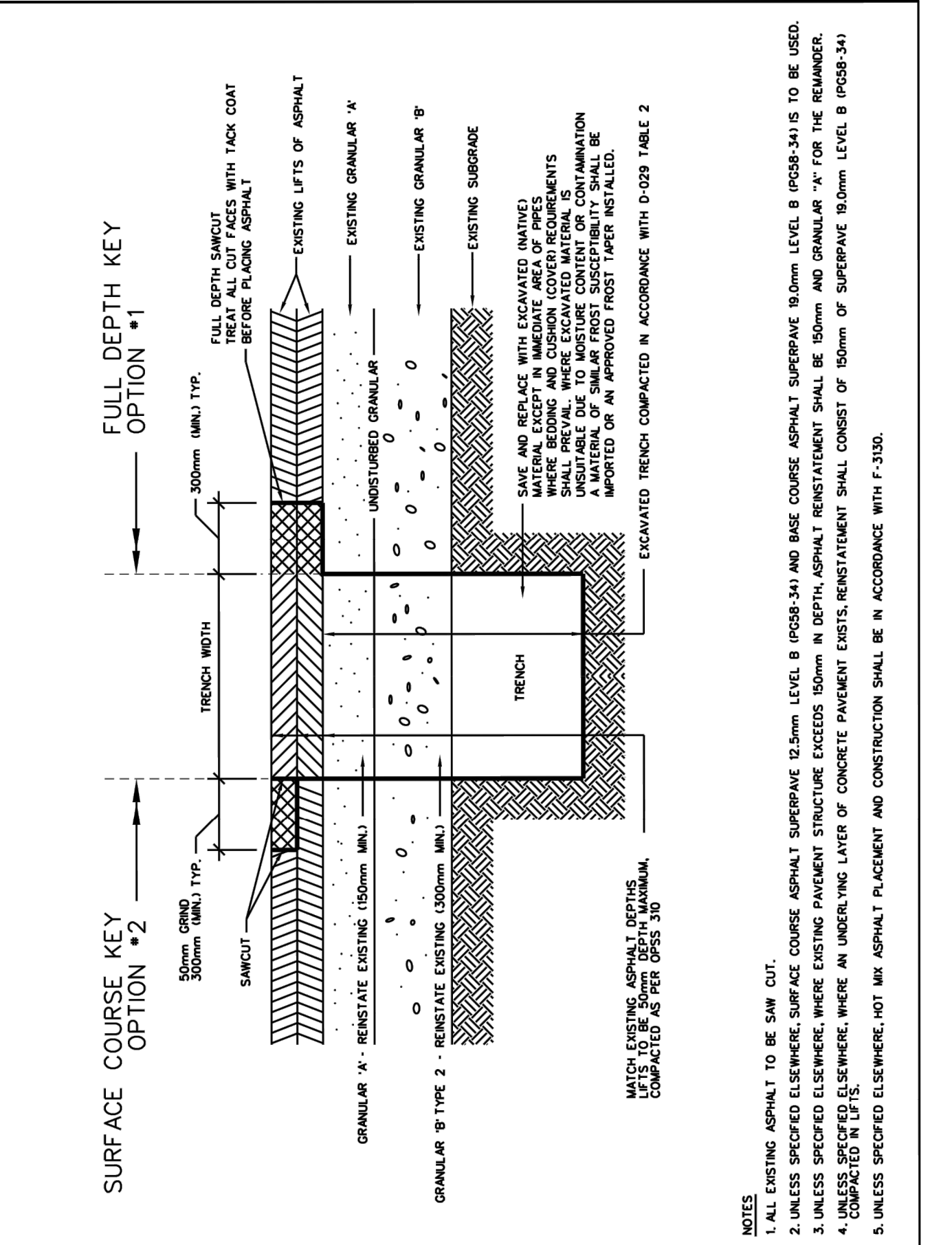
N.T.S.	
DATE:	MARCH 2007
REV. DATE:	MARCH 2019
DWG. No.:	S31



NOTES:

- CONCRETE PADS TO BE IN ACCORDANCE WITH OPSS AND CITY OF OTTAWA STANDARDS.
- ALL PADS TO BE SLOPED 2% MAX. TOWARDS THE ROAD UNLESS OTHERWISE DIRECTED BY THE CONTRACT ADMINISTRATOR.
- THE SURFACE ELEVATION OF THE PAD MUST BE FLUSH TO THE SURFACE ELEVATION OF ADJACENT GRADE (SIDEWALK OR BOULEVARD).
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
- FINISH TO MATCH SIDEWALK.

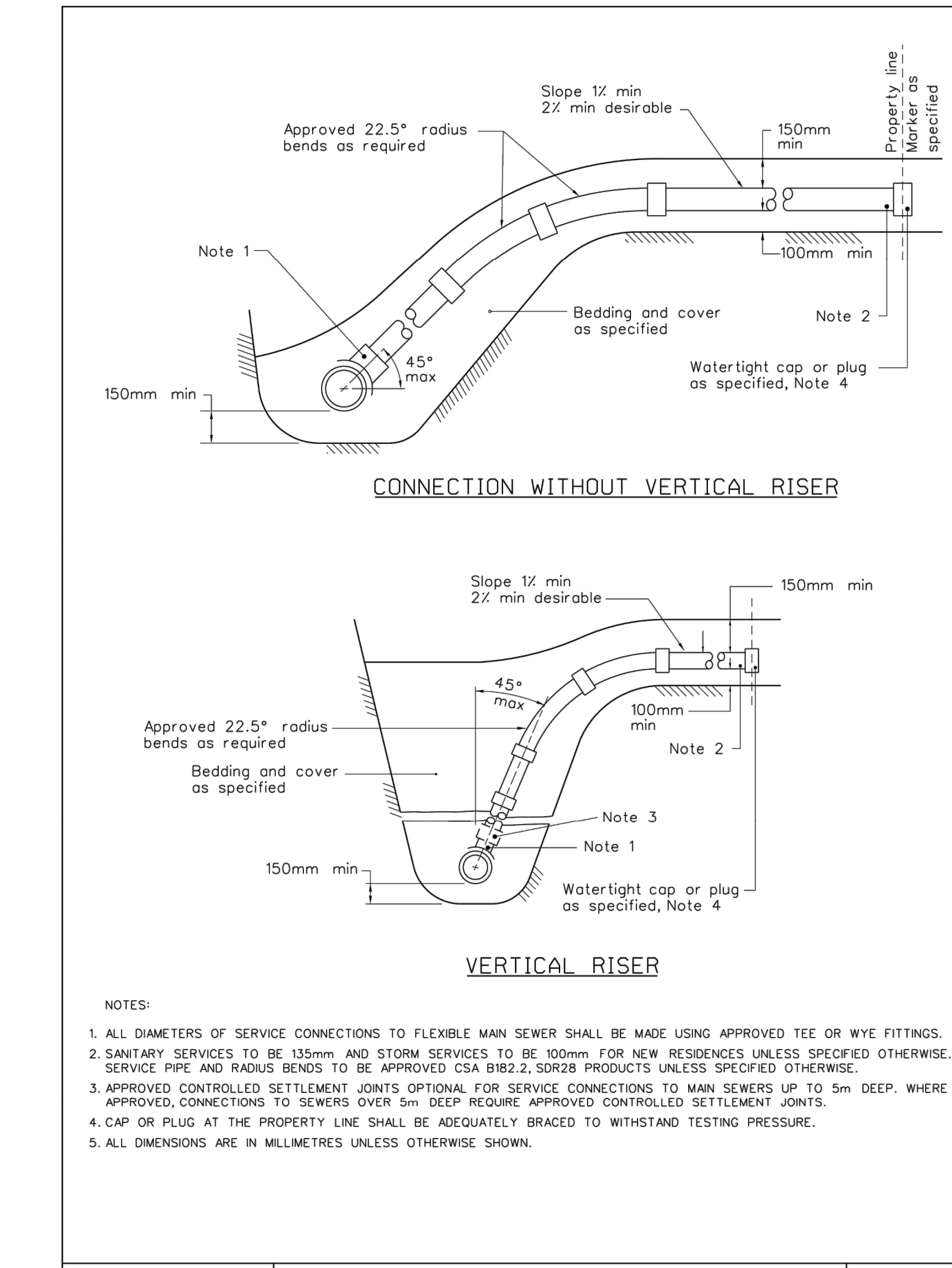
N.T.S.	
DATE:	MARCH 2016
REV. DATE:	
DWG. No.:	SC11



NOTES:

- ALL EXISTING ASPHALT TO BE SAW CUT.
- UNLESS SPECIFIED ELSEWHERE, SURFACE COURSE ASPHALT SUPERPAVE 10.5mm LEVEL B (POSS-34) AND BASE COURSE ASPHALT SUPERPAVE 19.0mm LEVEL B (POSS-34) IS TO BE USED.
- UNLESS SPECIFIED ELSEWHERE, WHERE EXISTING PAVEMENT STRUCTURE EXCEEDS 150mm IN DEPTH, ASPHALT REINSTATEMENT SHALL BE 150mm AND GRANULAR 'A' FOR THE REMAINDER.
- UNLESS SPECIFIED ELSEWHERE, WHERE AN UNDERLYING LAYER OF CONCRETE PAVEMENT EXISTS, REINSTATEMENT SHALL CONSIST OF 150mm OF SUPERPAVE 10.5mm LEVEL B (POSS-34) AND 150mm OF GRANULAR 'A'.
- UNLESS SPECIFIED ELSEWHERE, HOT MIX ASPHALT PLACEMENT AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH D-029 TABLE 2.

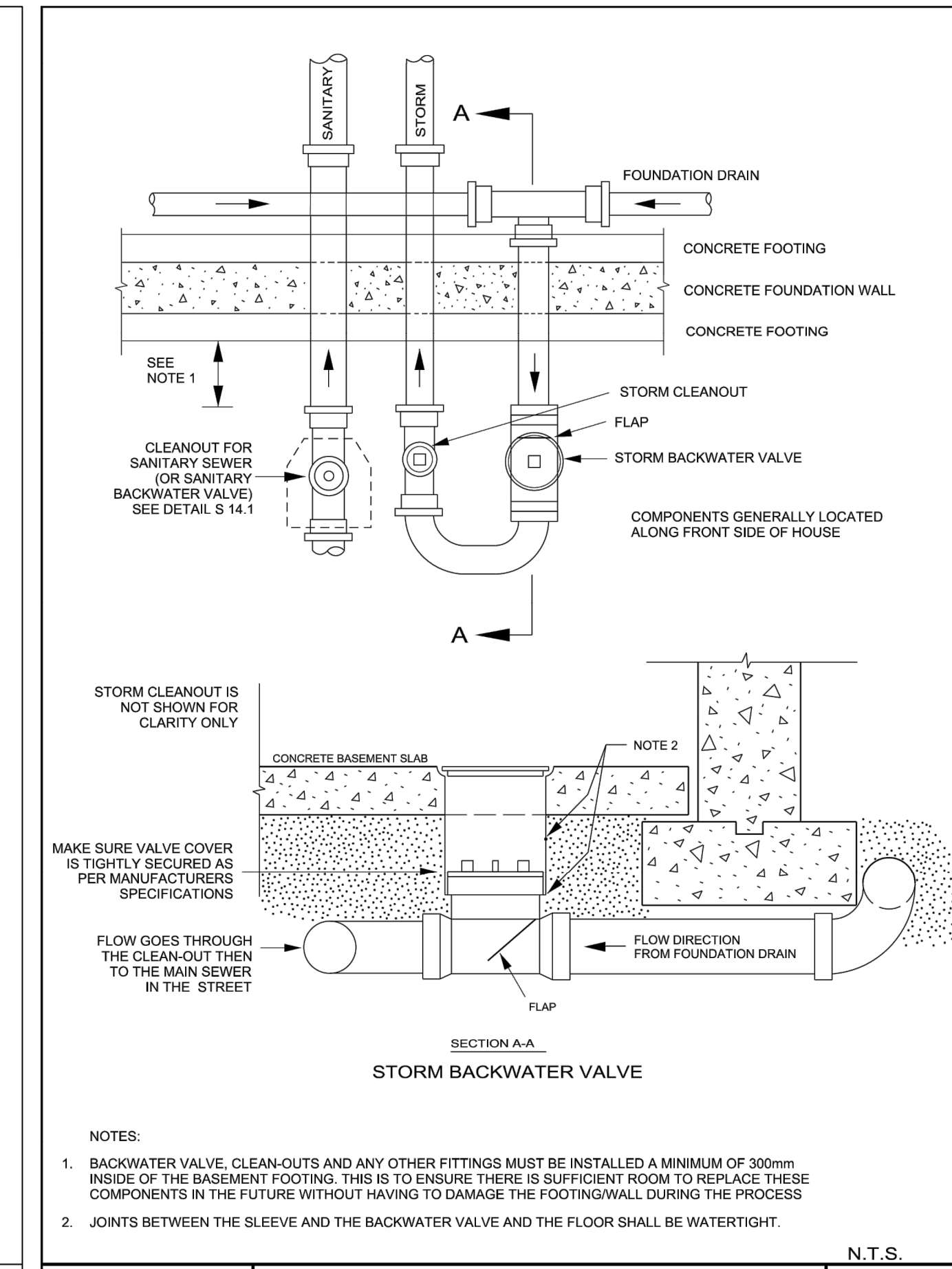
N.T.S.	
DATE:	MAY 2001
REV. DATE:	MARCH 2017
DWG. No.:	R10



NOTES:

- ALL DIAMETERS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TEE OR WYE FITTINGS.
- SANITARY SERVICES TO BE 125mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE. SERVICE PIPE AND RADIUS BENDS TO BE APPROVED CSA B182.2, SDR28 PRODUCTS UNLESS SPECIFIED OTHERWISE.
- 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.
- CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

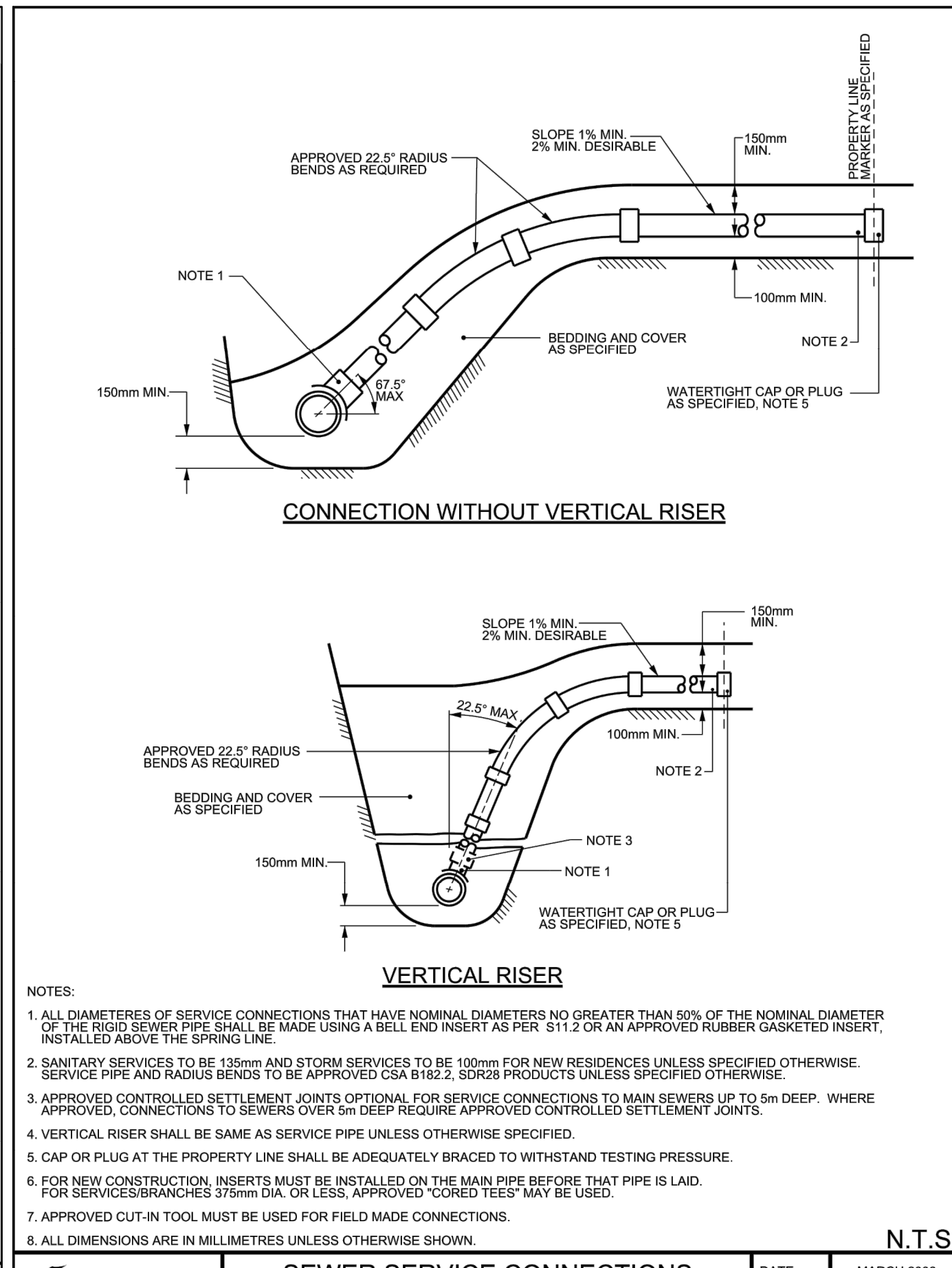
N.T.S.	
DATE:	MARCH 2006
REV. DATE:	MARCH 2015
DWG. No.:	S11.1



NOTES:

- 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 FOOTING WALL DURING THE PROCESS.
- JOINTS BETWEEN THE SLEEVE AND THE BACKWATER VALVE AND THE FLOOR SHALL BE WATERTIGHT.

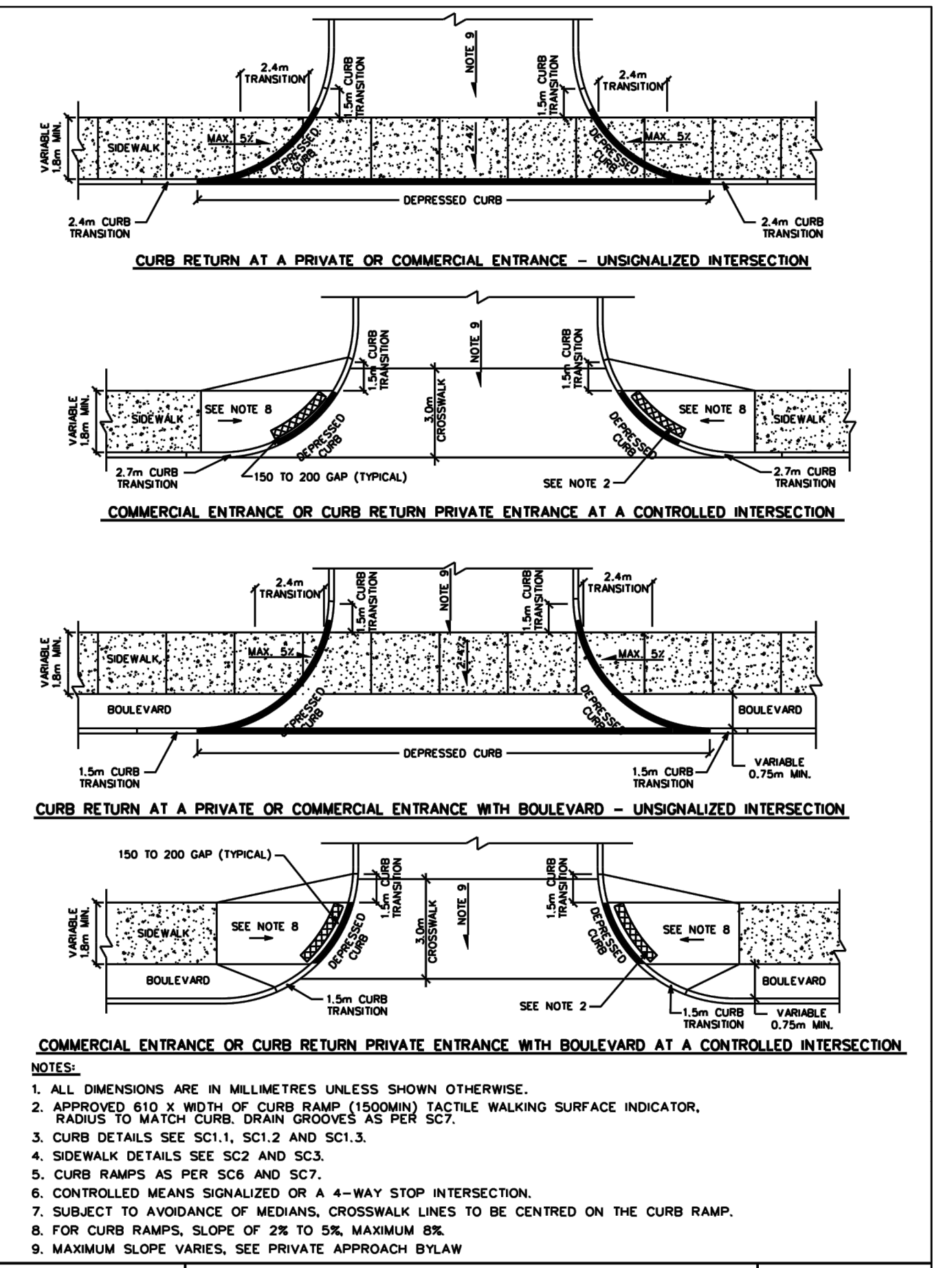
N.T.S.	
DATE:	DEC. 2002
REV. DATE:	MARCH 2011
DWG. No.:	S14



NOTES:

- ALL DIAMETERS OF SERVICE CONNECTIONS THAT HAVE NOMINAL DIAMETERS NO GREATER THAN 50% OF THE NOMINAL DIAMETER OF THE RIGID SEWER PIPE SHALL BE MADE USING A BELL END INSERT AS PER SC11.2 OR AN APPROVED RUBBER GASKETTED INSERT, INSTALLED ABOVE THE SPRING LINE.
- SANITARY SERVICES TO BE 125mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE. SERVICE PIPE AND RADIUS BENDS TO BE APPROVED CSA B182.2, SDR28 PRODUCTS UNLESS SPECIFIED OTHERWISE.
- 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.
- VERTICAL RISER SHALL BE SAME AS SERVICE PIPE UNLESS OTHERWISE SPECIFIED.
- CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
- FOR NEW CONSTRUCTION, INSERTS MUST BE INSTALLED ON THE MAIN PIPE BEFORE THAT PIPE IS LAID. FOR SERVICE BRANCHES 375mm DIA. OR LESS, APPROVED 'CORED TEE' MAY BE USED.
- APPROVED CUT-IN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

N.T.S.	
DATE:	MARCH 2008
REV. DATE:	MARCH 2014
DWG. No.:	S11



NOTES:

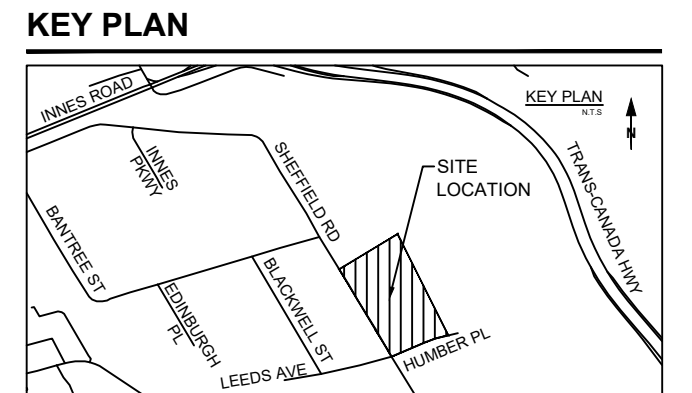
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- APPROVED 610 x WIDTH OF CURB RAMP (1500mm) TACTILE WALKING SURFACE INDICATOR.
- CURB RAMP AS PER SC6 AND SC7.
- CURB DETAILS SEE SC1.1, SC1.2 AND SC1.3.
- SIDEWALK DETAILS SEE SC2 AND SC3.
- CURB RAMP AS PER SC6 AND SC7.
- CONTROLLED MEANS SIGNALIZED ON A 4-WAY STOP INTERSECTION.
- SUBJECT TO AVOIDANCE OF MEDIANS, CROSSWALK LINES TO BE CENTRED ON THE CURB RAMP.
- FOR CURB RAMP, SLOPE OF 2% TO 5% MAXIMUM OR.
- MAXIMUM SLOPE VARIES, SEE PRIVATE APPROACH BY-LAW.

N.T.S.	
DATE:	MARCH 2007
REV. DATE:	MARCH 2017
DWG. No.:	SC7.1



ISSUE/REVISION

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SECTION A - A

DATE: MAY 2001
REV. DATE: MARCH 2013
DWG. No.: W22

SECTION B - B

DATE: MAY 2001
REV. DATE: MARCH 2016
DWG. No.: W25.3

SECTION A - A

DATE: MAY 2001
REV. DATE: MARCH 2019
DWG. No.: W19

SECTION A - A

DATE: MAY 2001
REV. DATE: NONE
DWG. No.: W25.1

SECTION A - A

DATE: MAY 2001
REV. DATE: MARCH 2013
DWG. No.: W18

SECTION A - A

DATE: MAY 2001
REV. DATE: MARCH 2019
DWG. No.: W40

SECTION A - A

DATE: MAY 2001
REV. DATE: MARCH 2013
DWG. No.: W25

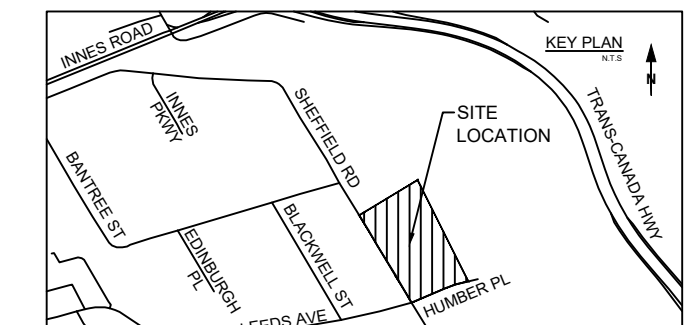
SECTION A - A

DATE: MAY 2001
REV. DATE: MARCH 2013
DWG. No.: W25.2

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60634622

MUNICIPAL DETAILS

D103

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 (m²)
156.1	SYSTEM PERIMETER (m)

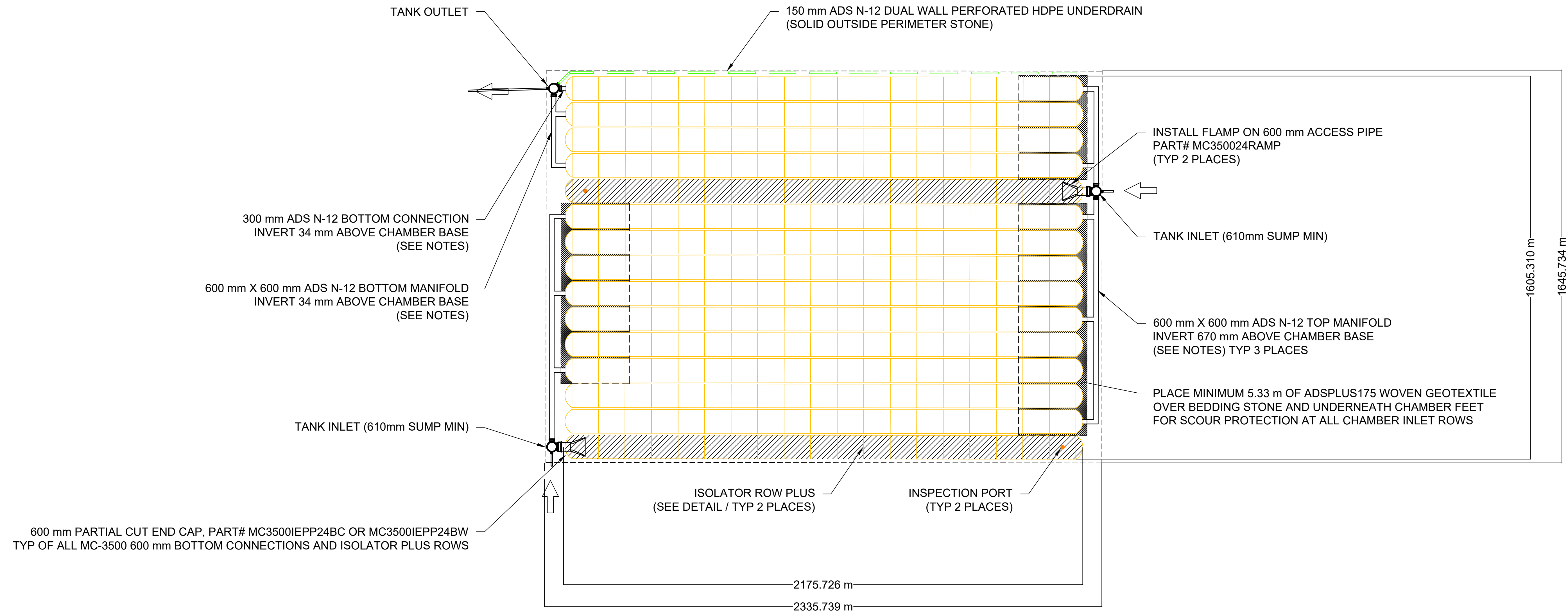
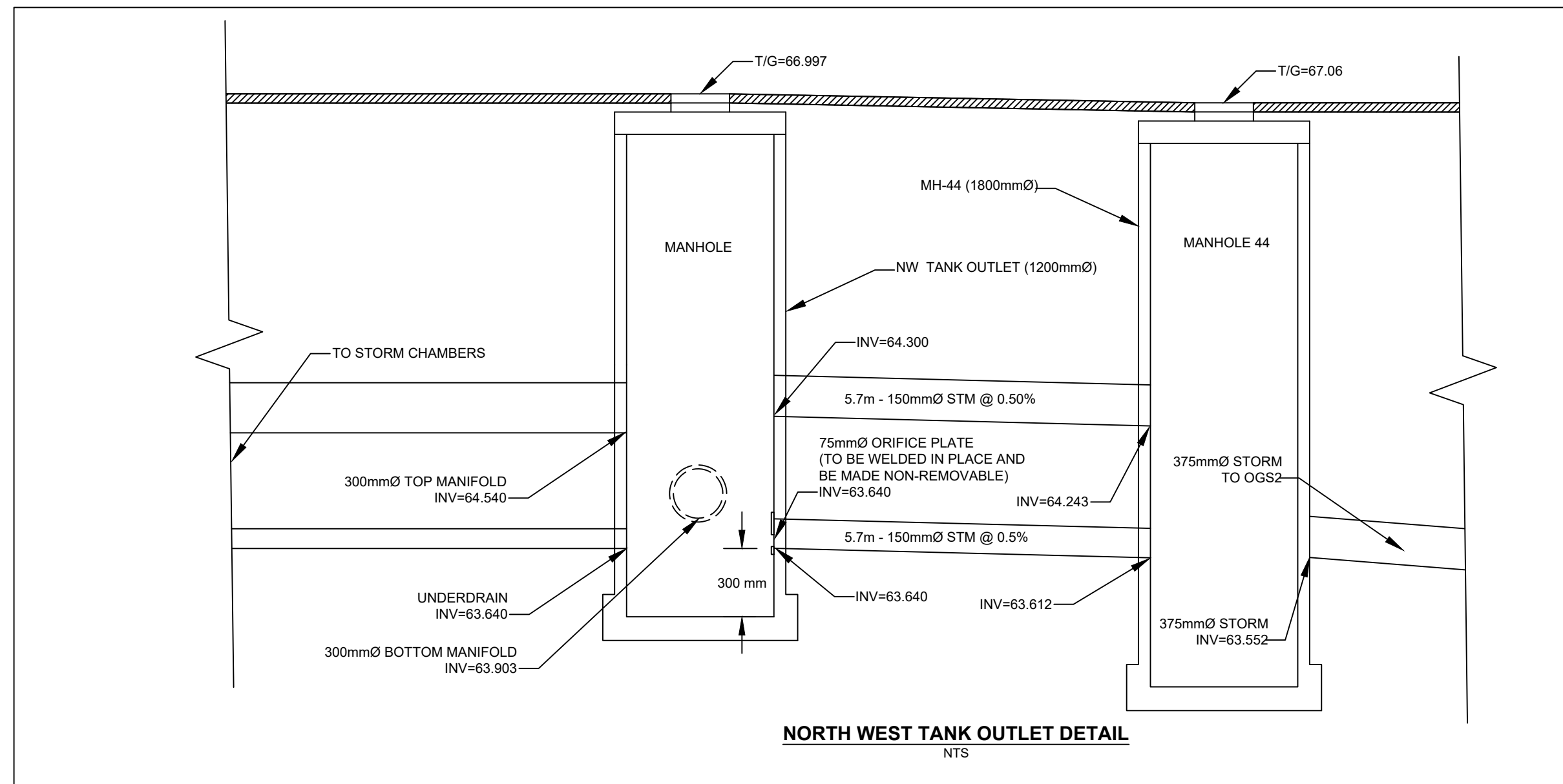
PROPOSED ELEVATIONS - DYT3-N

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:



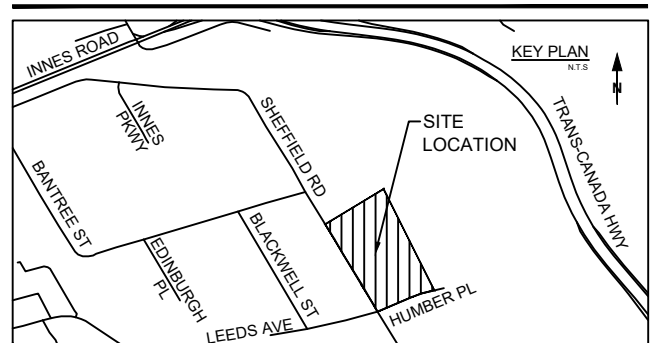
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KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

STORMTECH CHAMBER DETAILS
 1 OF 5

SHEET NUMBER

D104

PROPOSED LAYOUT - DYT3-S

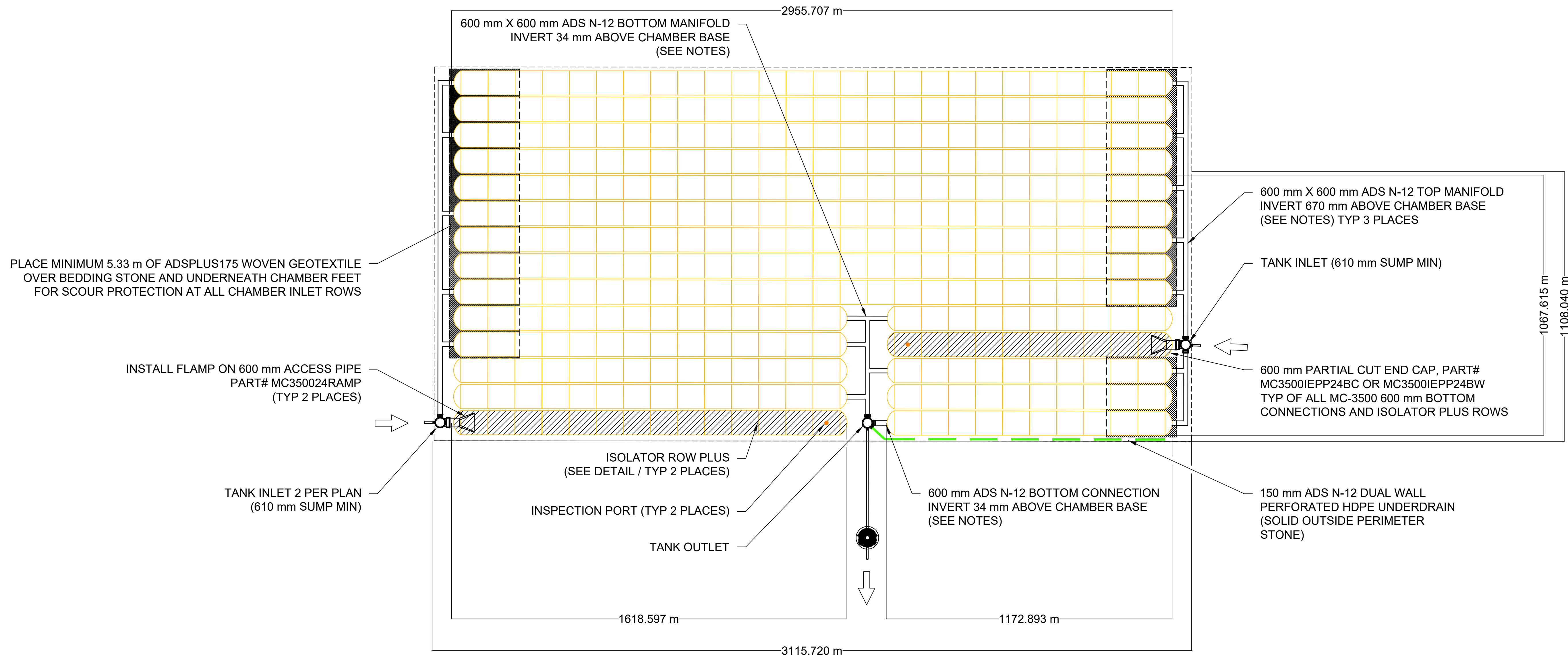
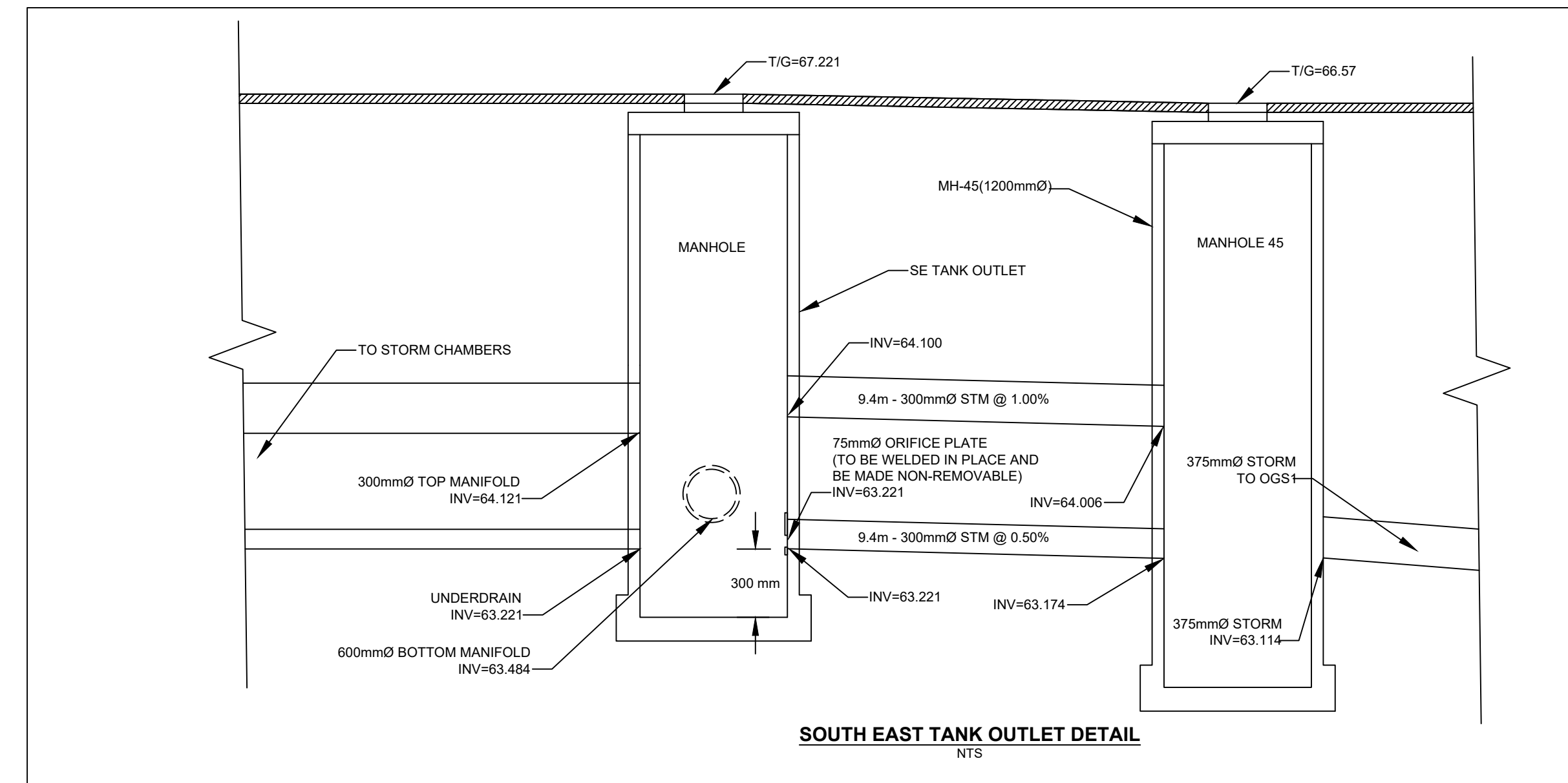
250	STORMTECH MC-3500 CHAMBERS
30	STORMTECH MC-3500 END CAPS
305	STONE ABOVE (mm)
229	STONE BELOW (mm)
40	% STONE VOID
1,364.1	INSTALLED SYSTEM VOLUME (m³) (PERIMETER STONE INCLUDED)
1,326.8	SYSTEM AREA (m²)
165.6	SYSTEM PERIMETER (m)

PROPOSED ELEVATIONS - DYT3-S

64.898	TOP OF STONE:
64.593	TOP OF MC-3500 CHAMBER:
64.121	600 mm TOP MANIFOLD INVERT:
63.502	600 mm ISOLATOR ROW PLUS INVERT:
63.484	300 mm BOTTOM MANIFOLD/CONNECTION INVERT:
63.450	BOTTOM OF MC-3500 CHAMBER:
63.221	UNDERDRAIN INVERT:
63.221	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 IN THE FIELD.
- 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:**



PROJECT
DYT3
OTTAWA, ONTARIO
 2625 SHEFFIELD ROAD

OWNER
 CHOICE PROPERTIES REIT
 700-22 ST. CLAIR AVENUE EAST
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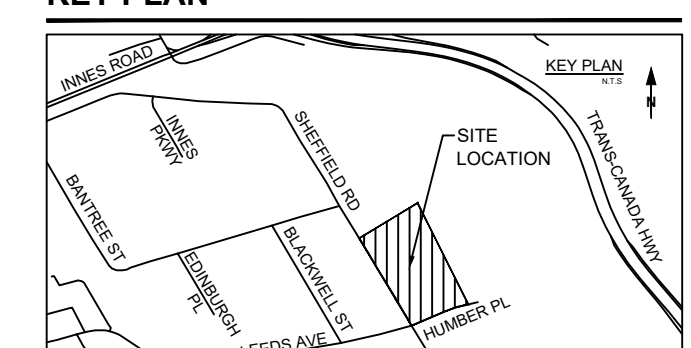
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2	2022-10-07	ISSUED FOR SPA
1	2022-08-30	LANDLORD REVIEW - SPA SET

KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

STORMTECH CHAMBER DETAILS
2 OF 5

SHEET NUMBER

D105

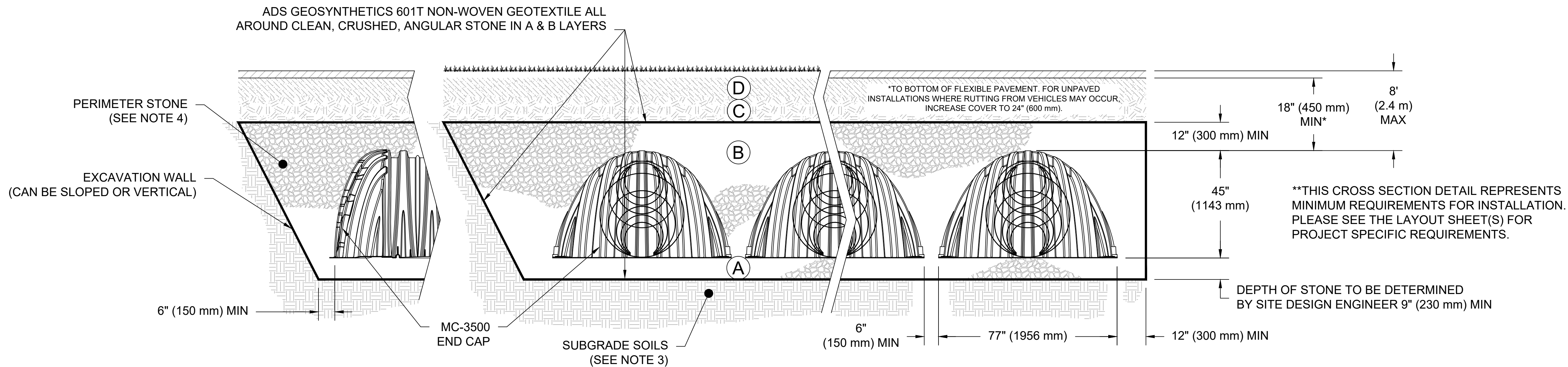
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ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

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' A-1, A-2-4, A-3 OR AASHTO M43' 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' 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43' 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.

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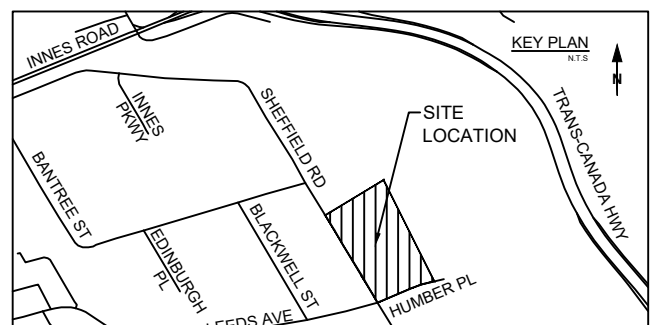
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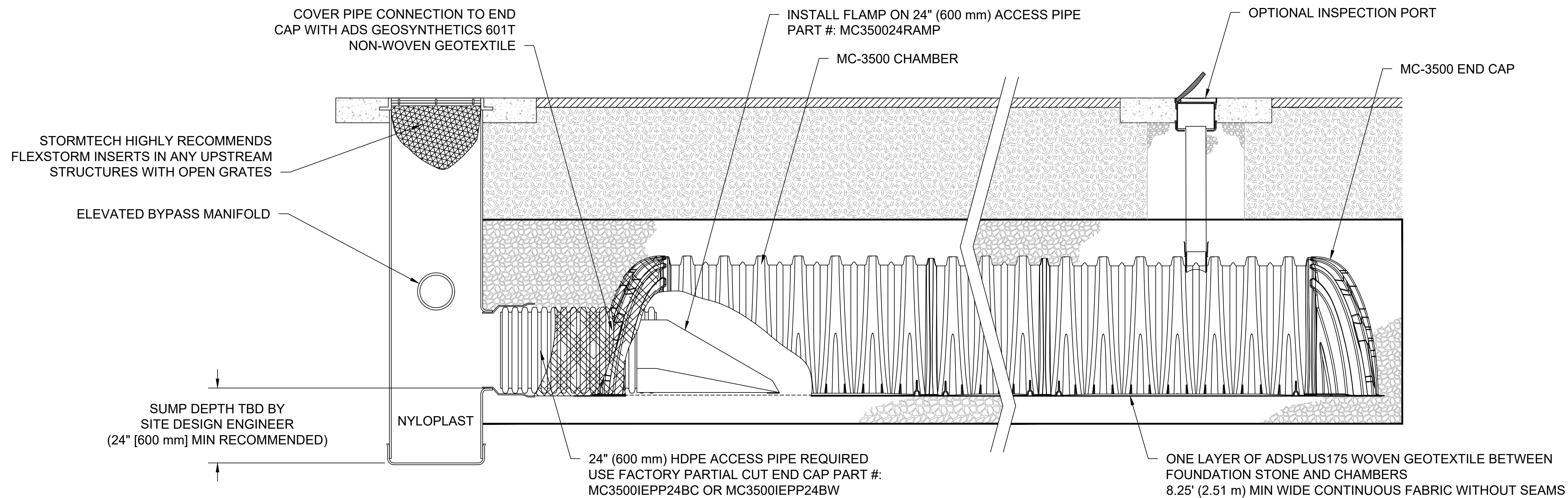
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KEY PLAN



ARCH D 24" x 36" Approved: D.M. Checked: M.K. Designer: F.S. Project Management Initials: Project Management Initials: AMZL OTTAWA - DYT3 - DETAILS DWG
 Last saved by: LAO.VANG/2022-10-13. Last Plotted: 2022-10-13. Filename: C:\USERS\LAO.VANG\ACCORDS\AECOM-AMZN-AMER\BP-AMER (CAN) 60648725-DYT3 GEN3.1 BTSP\PROJECT FILES\900 DESIGN COLLABORATION\912_CIVIL\912_3_PUBLISHED\60634622 - AMZL OTTAWA - DYT3 - DETAILS DWG



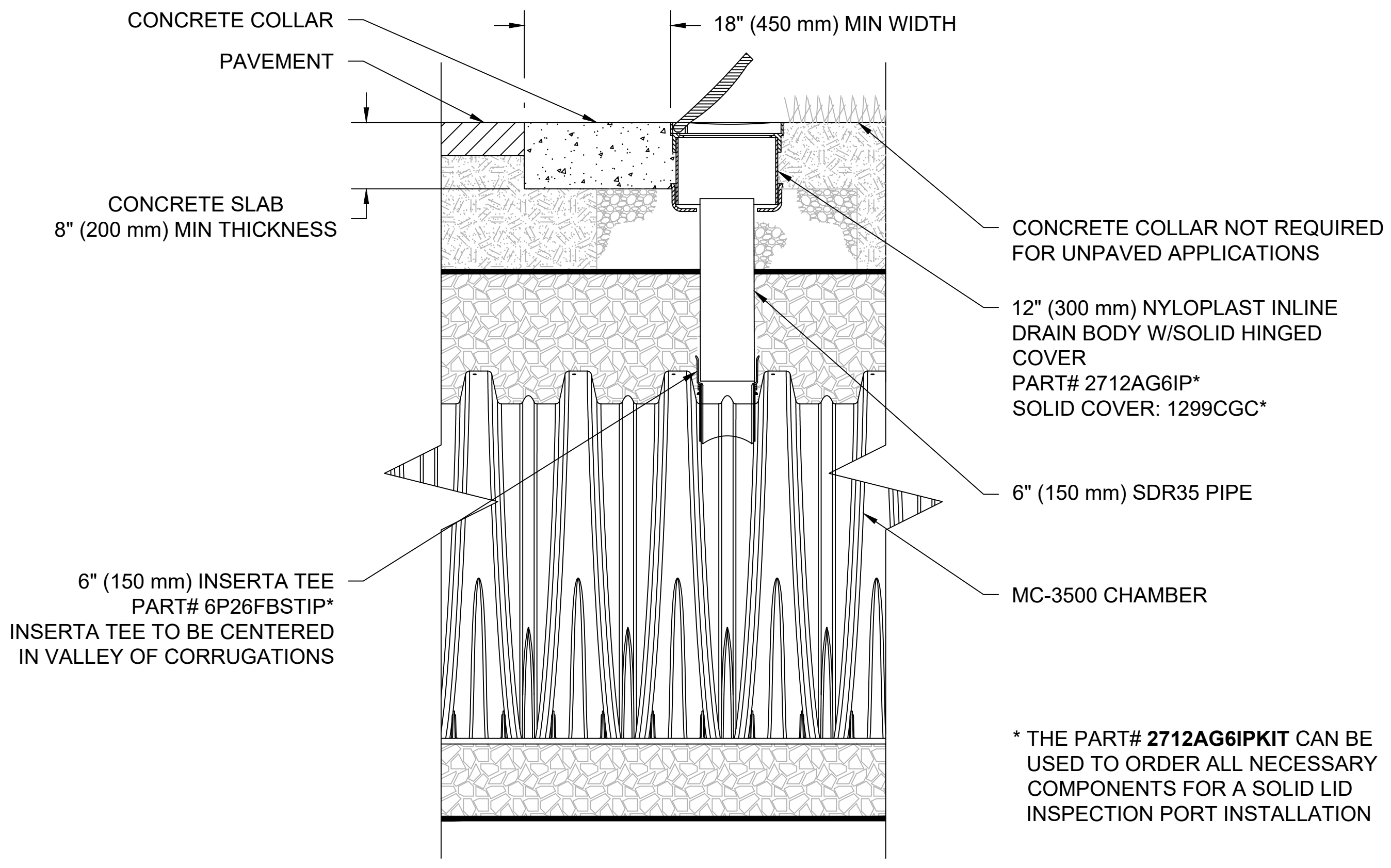
MC-3500 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
 - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - B. ALL ISOLATOR PLUS ROWS
 - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
 - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



MC-3500 6" (150 mm) INSPECTION PORT DETAIL
NTS



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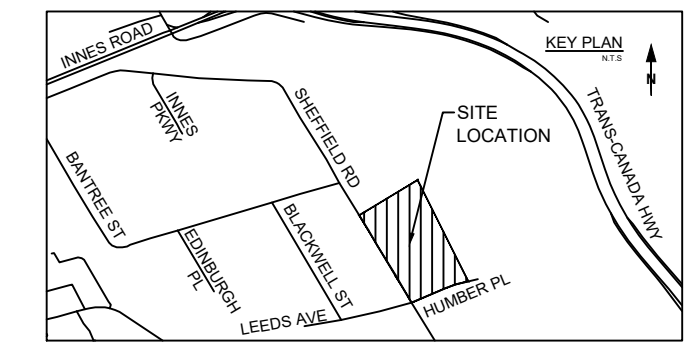
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KEY PLAN



PROJECT NUMBER
60634622

SHEET TITLE
STORMTECH CHAMBER DETAILS
4 OF 5

SHEET NUMBER
D107

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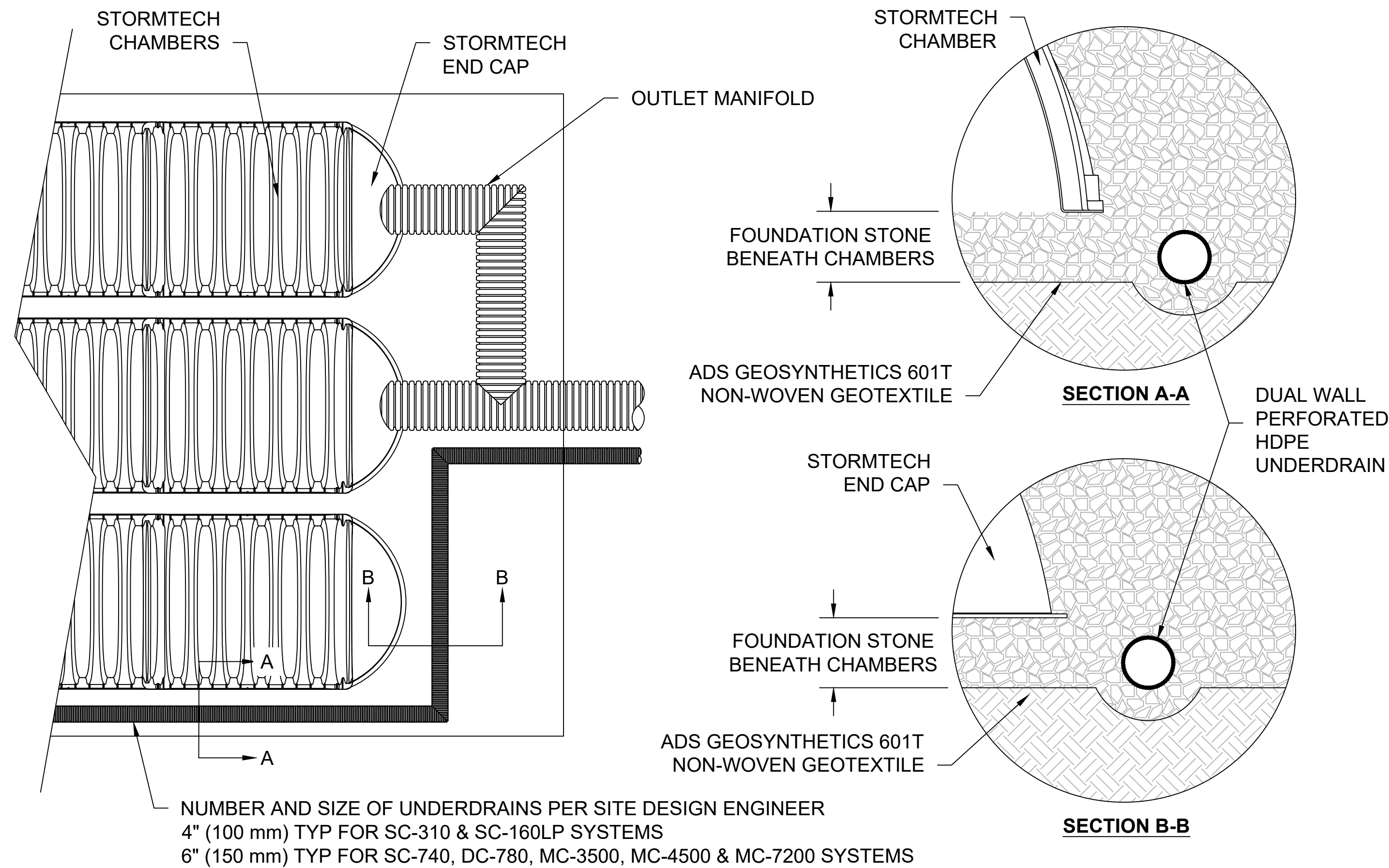
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ARCH D 24" x 36" Approved: D.M. Designer: F.S. Project Management Initials: AMZL OTTAWA - DYT3 - DETAILS.DWG
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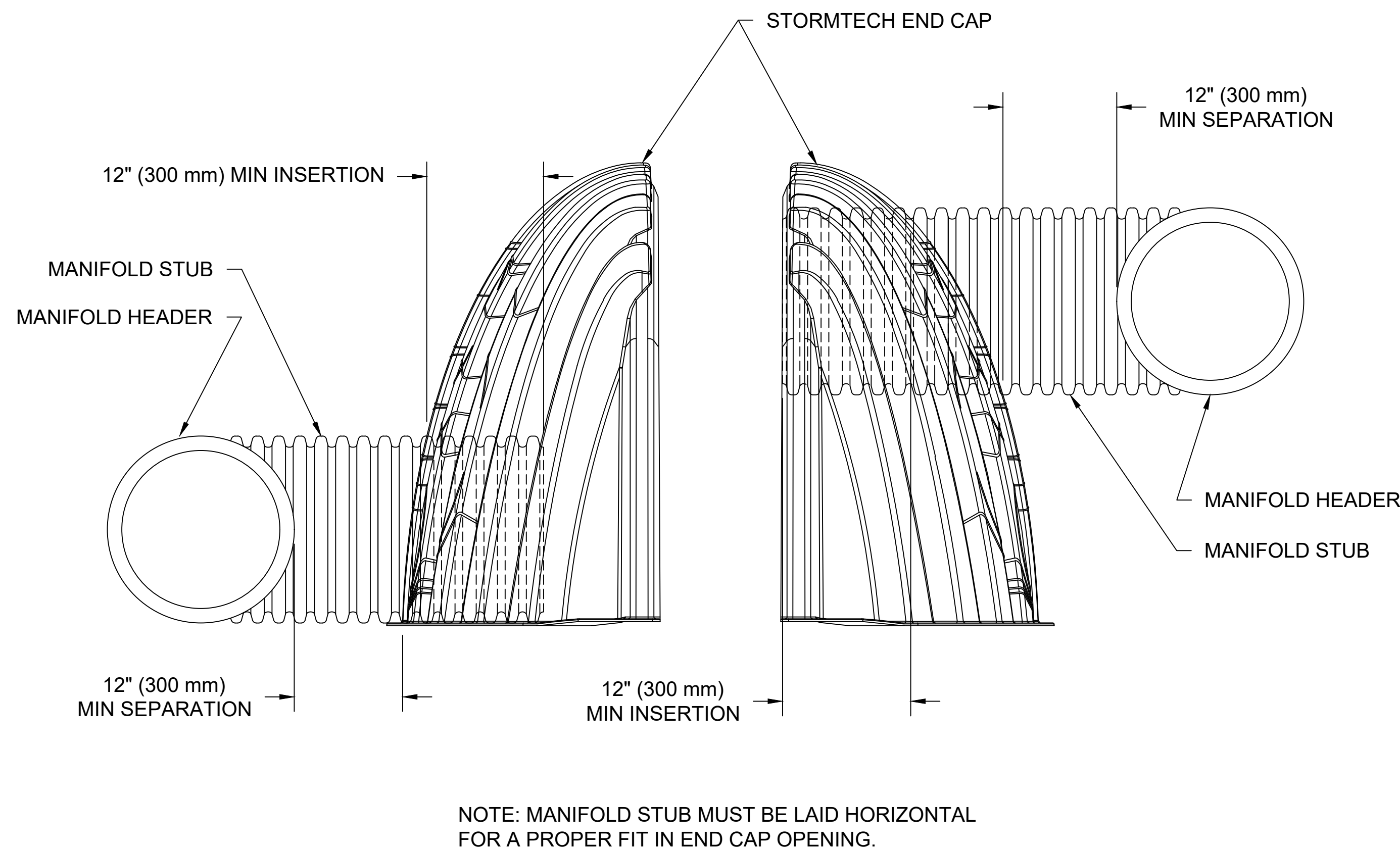
UNDERDRAIN DETAIL

NTS



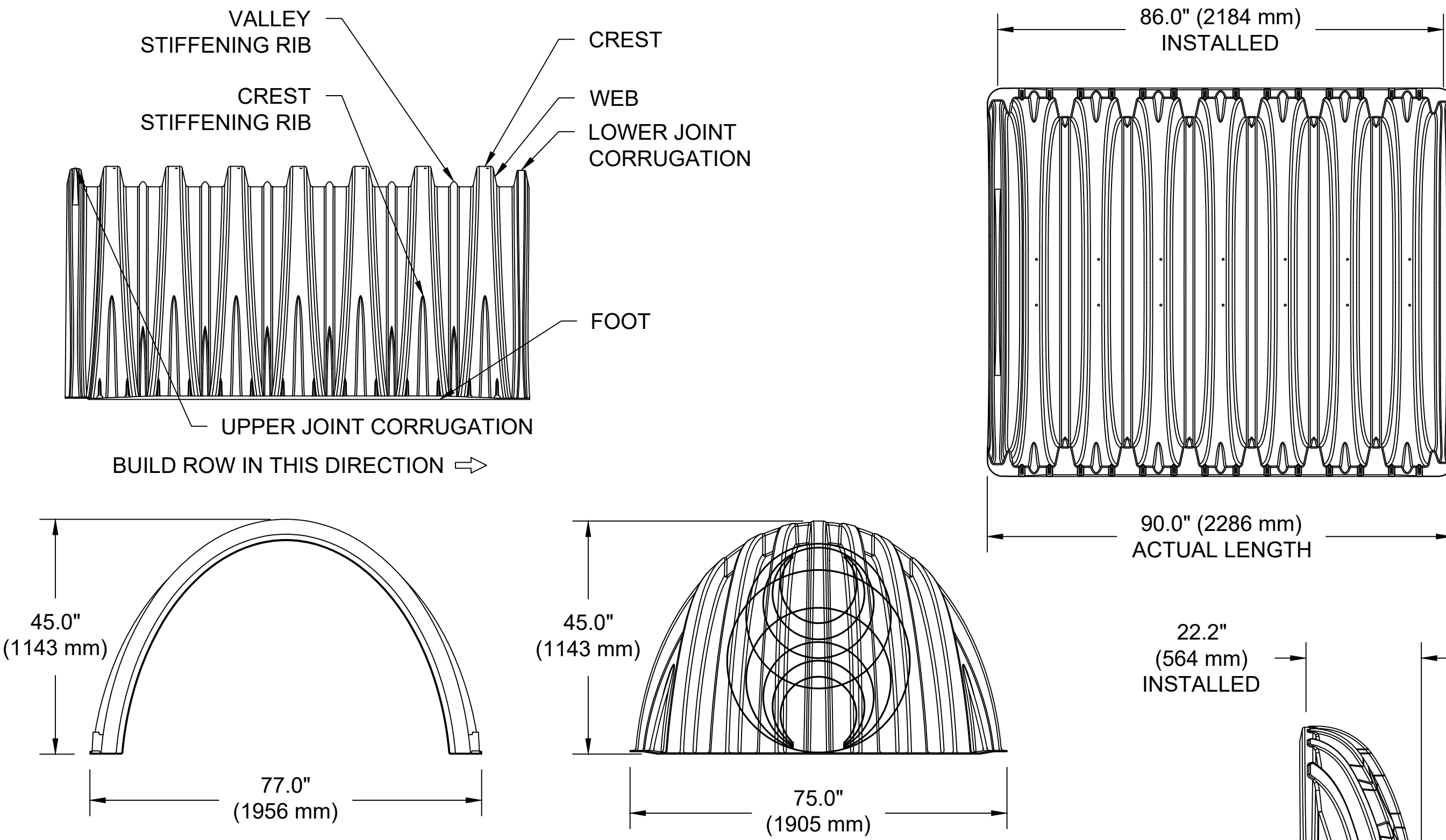
MC-SERIES END CAP INSERTION DETAIL

NTS



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	18" (450 mm)	---	---
MC3500IEPP18BC	---	---	1.77" (45 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)

NOTE: ALL DIMENSIONS ARE NOMINAL

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.



PROJECT
 DYT3
 OTTAWA, ONTARIO
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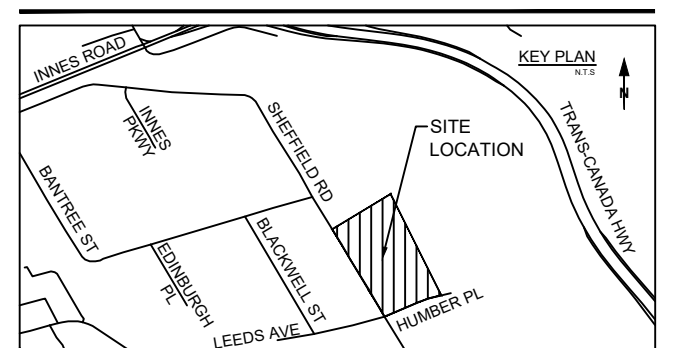
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KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

STORMTECH CHAMBER DETAILS
 5 OF 5

SHEET NUMBER

D108

XXXX-XX-XXXX
 #XXXXX

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

- 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 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.



PROJECT
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NOTE
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.

WITH THE SOLE EXCEPTION OF THE BENCHMARKS SPECIFICALLY DESCRIBED FOR THIS PROJECT, NO ELEVATION INDICATED OR ASSUMED HEREON IS TO BE USED AS A REFERENCE ELEVATION FOR ANY PURPOSE.

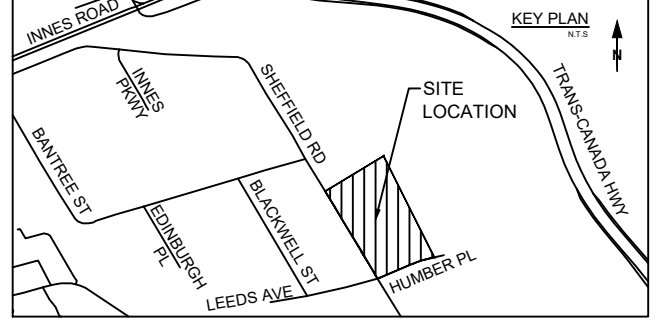
REGISTRATION



ISSUE/REVISION

Table with 3 columns: I/R, DATE, DESCRIPTION. Row 1: 2, 2022-10-07, ISSUED FOR SPA. Row 2: 1, 2022-08-30, LANDLORD REVIEW - SPA SET.

KEY PLAN



PROJECT NUMBER

60634622

SHEET TITLE

GENERAL CIVIL NOTES

SHEET NUMBER

D200