

Storm Water Management Practice Maintenance Agreement

Document Number

Boucher Holdings LLC, as “Owner” of the property described below, in accordance with Chapter 32 City of Waukesha Storm Water Management and Erosion Control, agrees to install and maintain storm water management practice(s) on the subject property in accordance with approved plans and Storm Water Management Plan conditions. The owner further agrees to the terms stated in this document to ensure that the storm water management practice(s) continues serving the intended functions in perpetuity. This Agreement includes the following exhibits:

Exhibit A: Legal Description of the real estate for which this Agreement applies (“Property”).

Exhibit B: Location Map(s) – shows an accurate location of each storm water management practice affected by this Agreement.

Exhibit C: Maintenance Plan – prescribes those activities that must be carried out to maintain compliance with this Agreement.

Note: After construction verification has been accepted by the City of Waukesha, for all planned storm water management practices, an addendum(s) to this agreement shall be recorded by the Owner showing design and construction details. The addendum(s) may contain several additional exhibits, including certification by City of Waukesha of Storm Water and Erosion Control Permit termination, as described below.

Name and Return Address

City of Waukesha
201 Delafield Street
Waukesha, WI 53188

Parcel Identification Number(s) – (PIN)
WAKC1007054

Through this Agreement, the Owner hereby subjects the Property to the following covenants, conditions and restrictions:

1. The Owner shall be responsible for the routine and extraordinary maintenance and repair of the storm water management practice(s) and drainage easements identified in Exhibit B until Storm Water and Erosion Control Permit termination by the City of Waukesha in accordance with Chapter 32 of the City Code of Ordinances.
2. After Storm Water and Erosion Control Permit termination under 1., the current Owner(s) shall be solely responsible for maintenance and repair of the storm water management practices and drainage easements in accordance with the maintenance plan contained in Exhibit C.
3. The Owner(s) shall, at their own cost, complete inspections of the storm water management practices at the time intervals listed in Exhibit C, and conduct the inspections by a qualified professional, file the reports with the City of Waukesha after each inspection and complete any maintenance or repair work recommended in the report. The Owner(s) shall be liable for the failure to undertake any maintenance or repairs. After the work is completed by the Contractor, the qualified professional shall verify that the work was properly completed and submit the follow-up report to the City within 30 days.
4. In addition, and independent of the requirements under paragraph 3 above, the City of Waukesha, or its designee, is authorized to access the property as necessary to conduct inspections of the storm water management practices or drainage easements to ascertain compliance with the intent of this Agreement and the activities prescribed in Exhibit C. The City of Waukesha may require work to be done which differs from the report described in paragraph 3 above, if the City of Waukesha reasonably concludes that such work is necessary and consistent with the intent of this agreement. Upon notification by the City of Waukesha of required maintenance or repairs, the Owner(s) shall complete the specified maintenance or repairs within a reasonable time frame determined by the City of Waukesha.
5. If the Owner(s) do not complete an inspection under 3. above or required maintenance or repairs under 4. above within the specified time period, the City of Waukesha is authorized, but not required, to perform the specified inspections, maintenance or repairs. In the case of an emergency situation, as determined by the City of Waukesha, no notice shall be required prior to the City of Waukesha performing emergency maintenance or repairs. The City of Waukesha may levy the costs and expenses of such inspections, maintenance or repair related actions as a special charge against the Property and collected as such in accordance with the procedures under s. 66.0627 Wis. Stats. or subch. VII of ch. 66 Wis. Stats.

6. This Agreement shall run with the Property and be binding upon all heirs, successors and assigns. After the Owner records the addendum noted above, the City of Waukesha shall have the sole authority to modify this agreement upon a 30-day notice to the current Owner(s).

Dated this ____ day of _____, 202_.

Owner:

(Owners Signature)

Daniel G. Nienhuis, General Counsel, Boucher Holdings, LLC.

(Owners Typed Name)

Acknowledgements

State of Wisconsin:
County of Waukesha

Personally came before me this ____ day of _____, 202_, the above named Daniel G. Nienhuis to me known to be the person who executed the foregoing instrument and acknowledged the same.

[Name]
Notary Public, Waukesha County, WI
My commission expires:_____.

This document was drafted by:

Jeremy Jeffery, P.E.

16745 W Bluemound Road,
Brookfield, WI 53005

[Name and address of drafter]

City of Waukesha Common Council Approval

Dated this ____ day of _____, 202_.

Shawn N. Reilly, Mayor

Gina Kozlik, City Clerk

Acknowledgements

State of Wisconsin:
County of Waukesha

Personally came before me this ____ day of _____, 202_, the above named _ Daniel G. Nienhuis to me known to be the person who executed the foregoing instrument and acknowledged the same.

[Name]
Notary Public, Waukesha County, WI
My commission expires:_____.

Exhibit A – Legal Description

The following description and reduced copy map identifies the land parcel(s) affected by this Agreement. For a larger scale view of the referenced document, contact the Waukesha County Register of Deeds office.

Project Identifier: **Waukesha Nissan** Acres: **8.84**
 Date of Recording: **January 11, 2023**
 Map Produced By: **raSmith, Brookfield, WI**
 Legal Description: **Recorded as Plat of Survey w/ Utilities & Topographic Data, dated 1/11/2023**
Lot 1 of certified survey map no. 11016. Being part of the NE ¼ of the SE ¼ of section 35, Town 7 N. Range 19 E, in the city of Waukesha, Waukesha County, Wisconsin

Waukesha Nissan

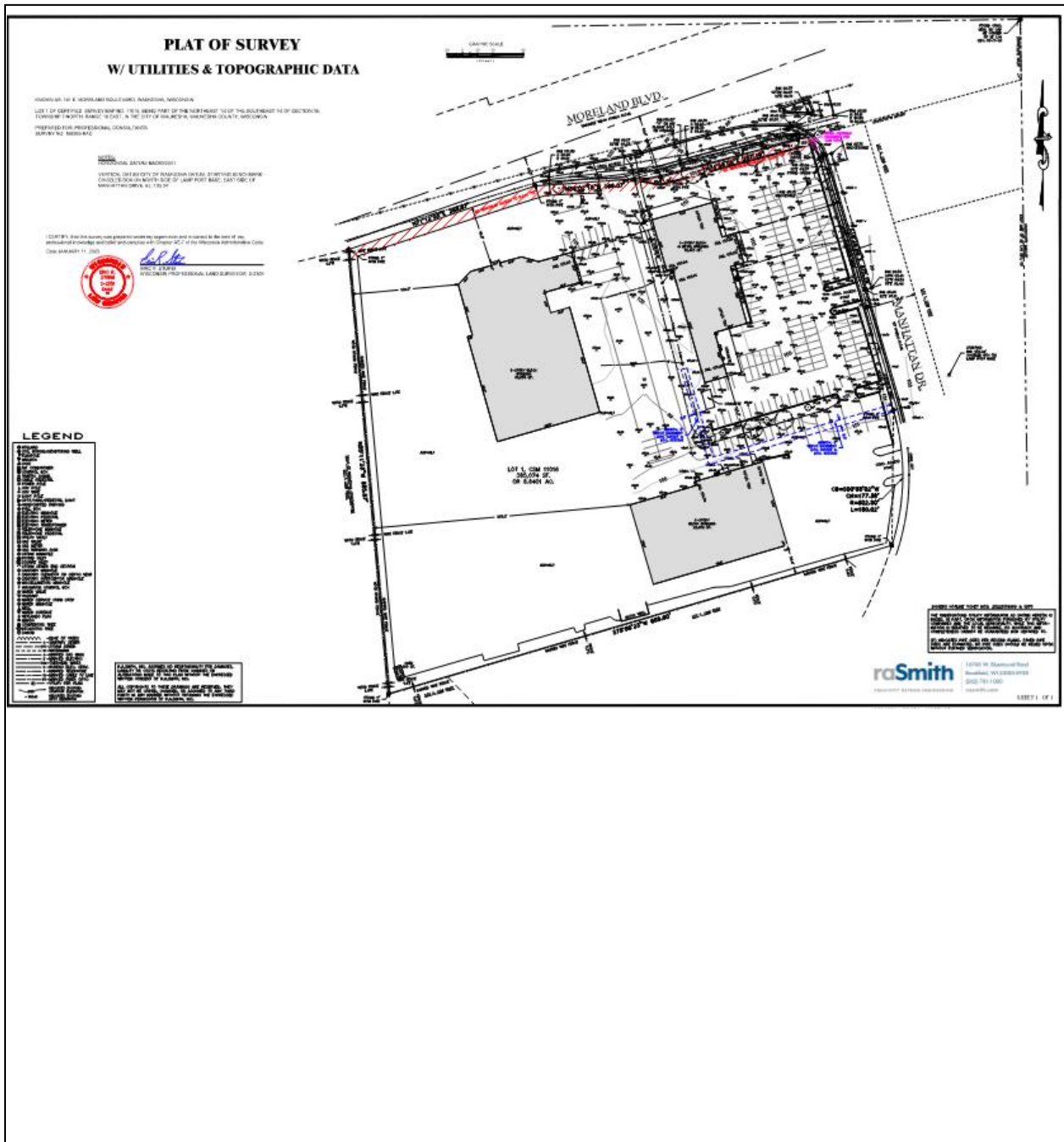


Exhibit B - Location Map

Storm Water Management Practices Covered by this Agreement

The storm water management practices covered by this Agreement are depicted in the reduced copy of a portion of the construction plans, as shown below. The practices include two independent underground detention tanks.

Project Name: Waukesha Nissan
Storm water Practices: Underground Detention Tank
Location of Practices: Under parking lot

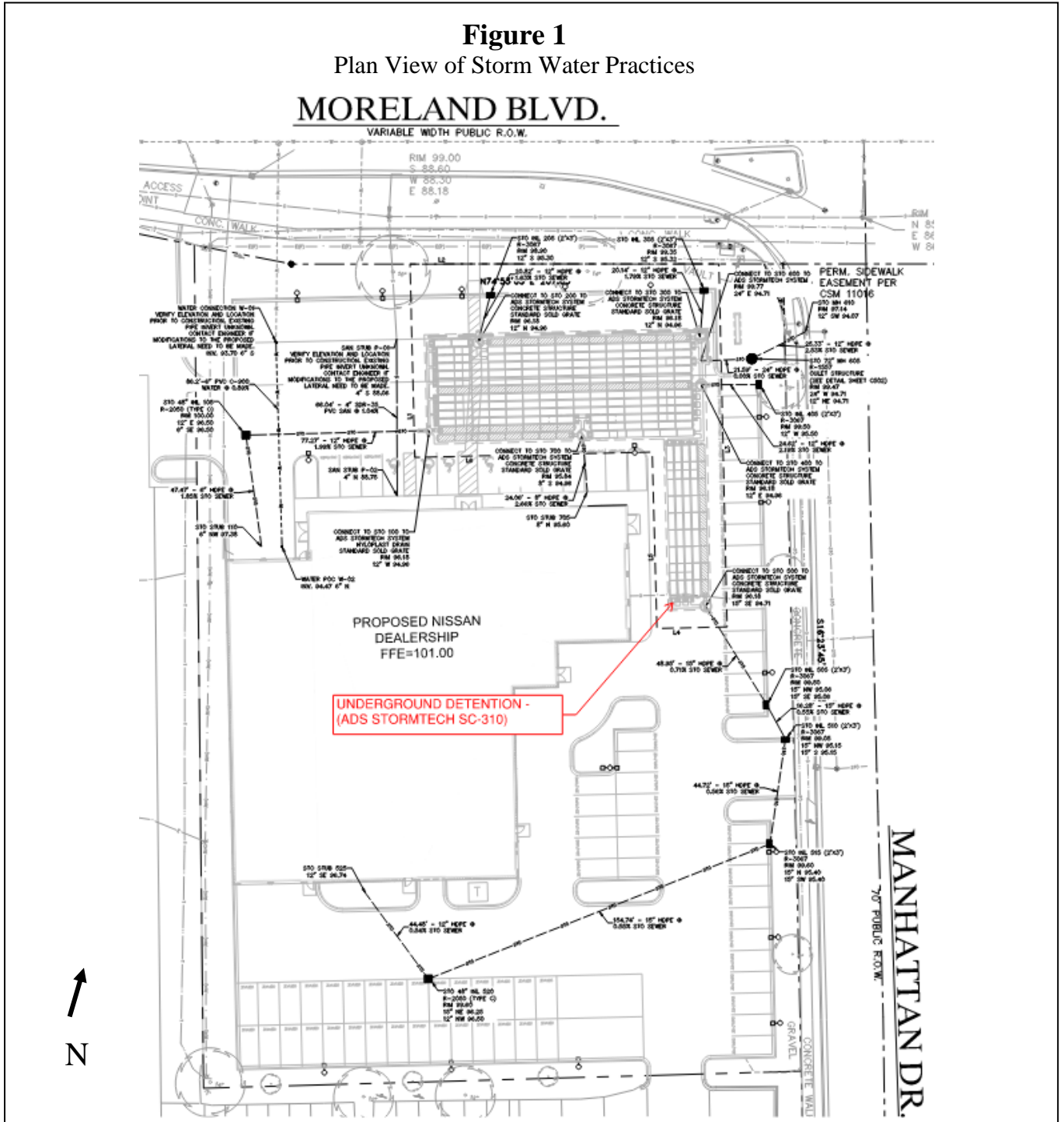


Exhibit C

Storm Water Practice Maintenance Plan

This exhibit explains the basic function of each of the storm water practices listed in Exhibit B and prescribes the minimum maintenance requirements to remain compliant with this Agreement. The maintenance activities listed below are aimed to ensure these practices continue serving their intended functions in perpetuity. The list of activities is not all inclusive, but rather indicates the minimum type of maintenance that can be expected for this particular site. The titleholder(s) or their designee must document all inspections as specified above. Documentation shall include as a minimum: (a) Inspectors Name, Address and Telephone Number, (b) Date of Inspections, (c) Condition Report of the Storm Water Management Practice, (d) Corrective Actions to be Taken and Time Frame for Completion, (e) Follow-up Documentation after Completion of the Maintenance Activities. All documentation is to be delivered to the attention of the City Engineer at the City of Waukesha Engineering Department on January 10th and July 10th each year. Any repair, maintenance, or failure of a storm water practice that is caused by a lack of maintenance will subject the Owner(s) to enforcement of the provisions listed on page 1 of this Agreement by the City of Waukesha.

I. ROUTINE MAINTENANCE

- A. Inspections (A competent inspector or inspection service qualified to review drainage systems shall be chosen and hired by the Owner.)
 - 1. Inspection priorities include visual observation and documentation of:
 - a. Accumulation of sediment and debris in the storm sewer inlets, wet underground detention systems, and outlet control structures.
 - b. Any modification to the contributory watershed. Confirm and document any modifications.
 - c. Inspect underground detention systems for settling, cracking, erosion, leakage, and structural condition of outlet control structure. Make repairs as necessary.
 - d. Inspect site for areas of erosion. If present, eroded areas shall be repaired using low-impact earth moving techniques commensurate with the scale of the repair task. Any bare soil areas shall be revegetated according to the original design specifications.
 - 2. Inspect all storm sewer structures, underground detention system basins, and outlet control structures after significant rainfall events and at least twice annually, once in the Spring and once in the Fall. Conduct inspections during wet weather conditions to determine if the storm sewer system is functioning properly.
- B. Debris and Litter Removal.
 - 1. Remove debris and litter from the area, including the storm sewer system, underground detention systems, and outlet control structures.
 - 2. Remove debris and litter from the grates and inverts of all the storm sewer inlets, catch basins, and manholes.
 - 3. Remove accumulated sediment from all storm sewer inlets, catch basins, and manholes.

II. NON-ROUTINE MAINTENANCE

- A. Post Construction Monitoring
 - 1. For the first 12 months following installation of the underground detention systems and storm sewers, the system is to be inspected on a quarterly basis to verify the integrity of the conveyance system. Following the initial 12 months, the system is to be inspected at least every 6 months or more frequently as determined by the initial 12-month monitoring period.
- B. Structural Repairs and Replacement.
 - 1. Conduct routine inspection and maintenance of all storm sewer structures to promote longevity.

III. DOCUMENTATION OF MAINTENANCE

- A. Complete attached "Inspection Form for Storm Water Management Systems" The Owner will maintain the records.

1. Document Number

Document number

Addendum 1 Storm Water Management Practice Maintenance Agreement

The purpose of this addendum is to record verified “as-built” construction details, supporting design data and permit termination documentation for the storm water management practice(s) located at Waukesha Nissan, Lot 1 of certified survey map no. 11016, being part of the Northeast ¼ of the Southeast ¼ of Section 35, Township 7 North, Range 19 East, in the City of Waukesha, Waukesha County, Wisconsin. This document shall serve as an addendum to document # _____, herein referred to as the “Maintenance Agreement”. This addendum includes all of the following exhibits:

Exhibit D: Design Summary – contains a summary of key engineering calculations and other data used to design the wet detention basin.

Exhibit E: As-built Survey – shows detailed “as-built” cross-section and plan view of the wet detention basin.

Exhibit F: Engineering/Construction Verification – provides verification from the project engineer that the design and construction of the wet detention basin complies with all applicable technical standards and Waukesha County ordinance requirements.

Exhibit G: Storm Water Management & Erosion Control Permit Termination – provides certification by the City of Waukesha that the Storm Water and Erosion Control Permit for the above noted site has been terminated.

Name and Return Address

Dated this ___ day of _____, 202_.

Parcel Identification Number(s) – (PIN)

Owner:

[Owners Signature – per the Maintenance Agreement]

[Owners Typed Name]

Acknowledgements

State of Wisconsin County of Waukesha

Personally came before me this ___ day of _____, 202_, the above named Daniel G. Nienhuis to me known to be the person who executed the foregoing instrument and acknowledged the same.

[Name]

Notary Public, Waukesha County, WI

My commission expires: _____.

This document was drafted by:

____ Jeremy Jeffery, P.E.

16745 W Bluemound Road,
Brookfield, WI 53005

[Name and address of drafter]



Exhibit D

Design Summaries for Underground Detention Tank - North

Project Identifier: Waukesha Nissan **Project Size:** 1.98 Acres **No. of Lots:** N/A
Number of Runoff Discharge Points: 1 **Watershed (ultimate discharge):** Fox River
Watershed Area (including off-site runoff traveling through project area): 1.99 acres

Watershed Data Summary. The following table summarizes the watershed data used to determine peak flows and runoff volumes required to design Underground Detention Tank

Summary Data Elements	Existing and Proposed	
	Pre-develop	Post-develop
Watershed Areas (in acres) <i>(see attached map)</i>	1.98	1.99
Average Watershed Slopes (%)	2-4%	2-4%
Land Uses (% of each) <i>(see attached map)</i>	0.17ac Grass 1.37ac Pavement 0.09ac Sidewalk 0.35ac Roof	0.332ac Grass 1.11ac Pavement 0.04ac Sidewalk 0.49ac Roof
Runoff Curve Numbers	RCN = 93	RCN = 88
Conveyance Systems Types	50% overland 50% storm sewer	50% overland 50% storm sewer
Time of Concentration (Tc) <i>(see attached map & worksheets)</i>	6 min.	6 min.
1-year/24 hour Runoff Volume	6.08 cfs	5.68 cfs
2-yr./24 hour Peak Flow <i>(see attached hydrographs)</i>	6.96 cfs	6.48 cfs
10-yr./24 hour Peak Flow	10.24 cfs	9.38 cfs
100-yr./24 hour Peak Flow	17.18 cfs	15.70 cfs

Practice Design Summary. The following table summarizes the data used to design Underground Detention Tank

Design Element	Design Data
Site assessment data: (see attached maps)	
Contributing drainage area to basin	1.70 acres
Distance to nearest private well (including off-site wells)	> 100 feet
Distance to municipal well (including off-site wells)	> 1200 feet
Wellhead protection area involved?	No
Ground slope at site of proposed basin	average 2-3%
Any buried or overhead utilities in the area?	Yes
Proposed outfall conveyance system/discharge (w/ distances)	25.33' – 12 HDPE pipe into back of existing Inlet along Manhattan
Any downstream roads or other structures? (describe)	Inlet on Manhattan connects to storm sewer at the intersection of Moreland/Manhattan
Floodplain, shoreland or wetlands?	No
General basin design data (see attached detailed drawings):	
Top of Stone	96.46
Top of Chamber	95.96
Chamber Invert	94.63
Bottom of Stone	94.13

Design Basin Inflow, Outflow & Storage Data (see attached hydrographs and detail drawings)				
Inflow Peak/Volume	Maximum Outflow Rate	Max. Water Elevation	Storage Volume at Max. Elev. (above perm. pool)	Outflow Control Structures*
1-yr./24 hr.	2.50	95.07	0.076 af	#1 & #3
2-yr./24 hr.	2.84	95.17	0.087 af	#1 & #3
10-yr./24 hr.	5.39	95.51	0.120 af	#1, #2 and #3
100-yr./24 hr.	14.03	95.92	0.150 af	#1, #2 and #3

- *#1 = 6 inch orifice in water level control weir plate – flow line elev. @ 94.13'
- #2 = 6 foot wide rectangular weir – flow line elev. @ 95.30'
- #3 = 12 inch diameter rcp pipe – flow line elev. @ 95.30'

Exhibit D (continued)

Watershed Map. The watershed map shown below was used to determine the post-development data contained in this exhibit.

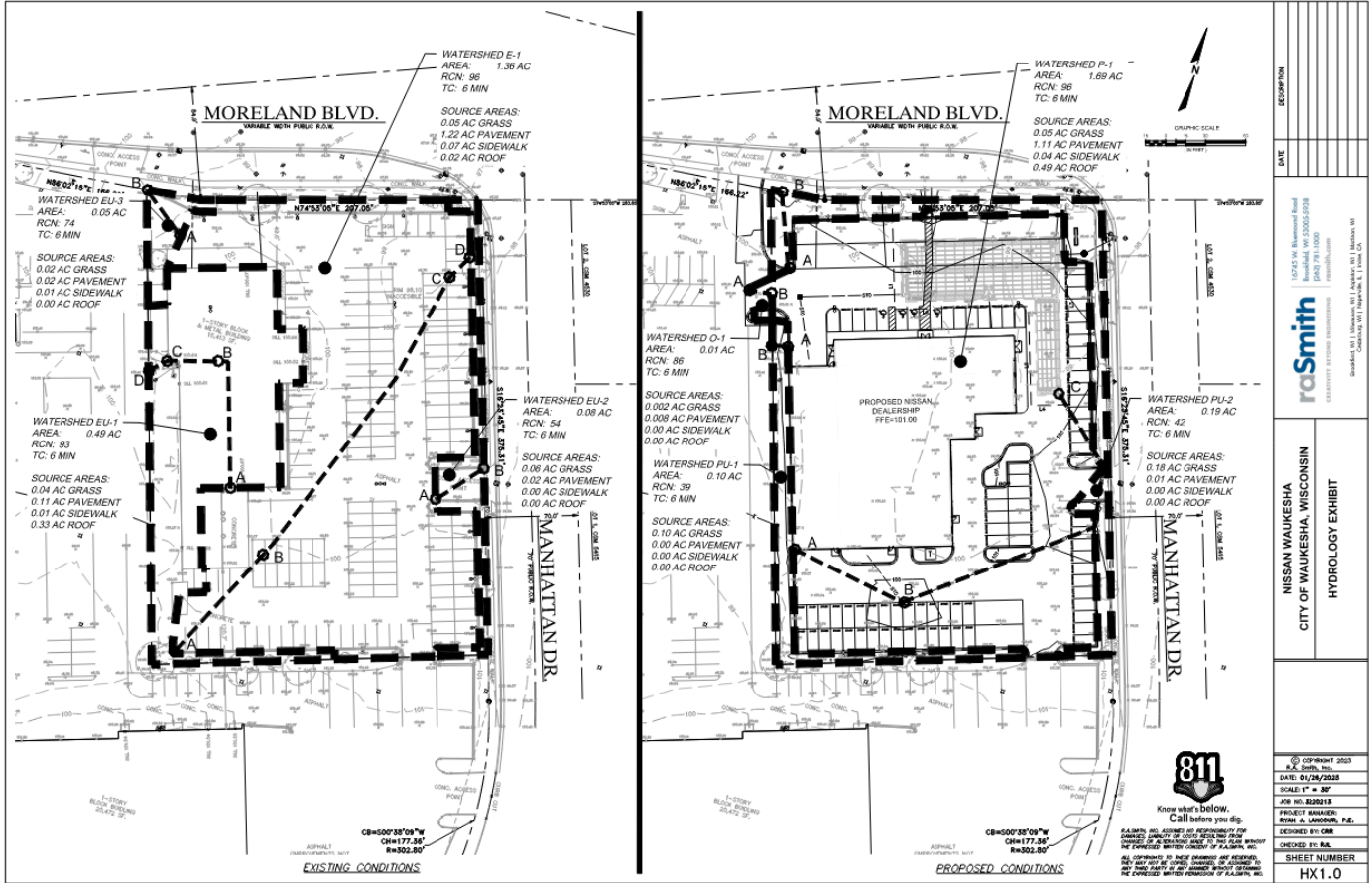


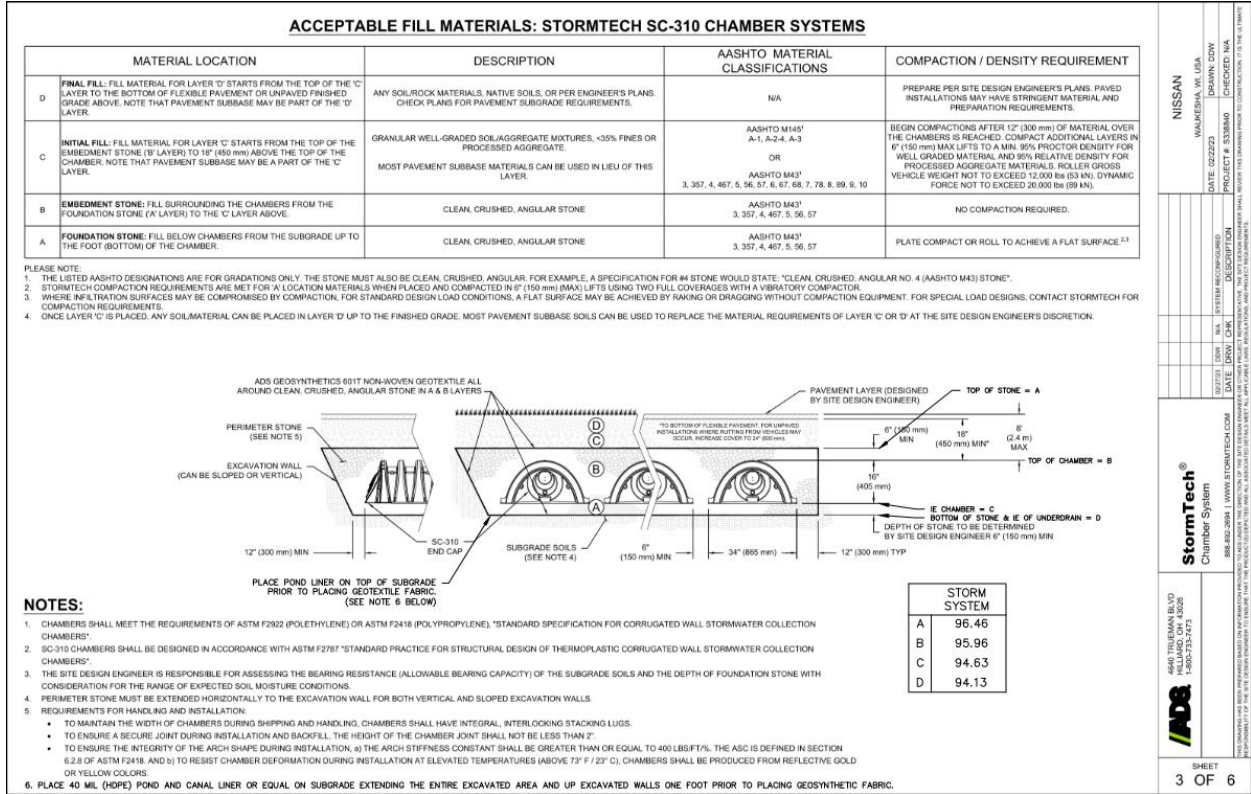
Exhibit E

As-built Survey for Underground Detention Tank

The underground detention basin depicted in Figure 1 is a reduced copy of the as-built plan.

Project Identifier: Waukesha Nissan
Storm water Practice: Underground Detention Tanks
Location of Practice: Under parking lot

Cross-Section A – A'



**Exhibit “F”
Engineering/Construction Verification**

DATE: _____

TO: City of Waukesha

FROM: _____ [Project Engineer’s Name/Company]

RE: Engineering/Construction Verification for the following project:
Project Name: _____
Section _____, Town of _____
Storm Water Management & Erosion Control Permit # _____
Storm Water Management Practices: _____

For the above-referenced project and storm water management practices, this correspondence shall serve as verification that: 1) all site inspections outlined in approved inspection plans have been successfully completed; and 2) the storm water management practice design data presented in Exhibit D, and the “as-built” construction documentation presented in Exhibit E comply with all applicable state and local technical standards, in accordance with the City of Waukesha Storm Water Management and Erosion Control Ordinance.

[Must include one of the following two statements:]

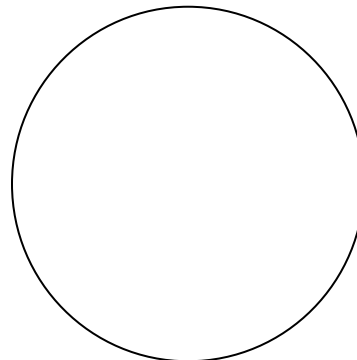
1. Any variations from the originally approved construction plans are noted in Exhibit E. These variations are considered to be within the tolerances of standard construction techniques and do not affect the original design as presented in Exhibit D in any way.

[Note: The City may request additional documentation to support this statement depending on the extent of deviations from the approved plans.]

Or

2. Any design or construction changes from the originally approved construction plans are documented in Exhibits D and E and have been approved by the City of Waukesha.

[Note: If warm season and wetland planting verification is required, it may be included in this exhibit.]



(Signed P.E. stamp must be included)

Exhibit G
Storm Water Management and Erosion Control Permit Termination

Project Identifier: Waukesha Nissan

Location: **Recorded as Plat of Survey w/ Utilities & Topographic Data, dated 1/11/2023**
Lot 1 of certified survey map no. 11016. Being part of the NE ¼ of the SE ¼ of section 35, Town 7 N. Range 19 E, in the city of Waukesha, Waukesha County, Wisconsin

Storm Water Management and Erosion Control Permit Holder's Name:

Storm Water Management & Erosion Control Permit #: _____

Chapter 32 – City of Waukesha Storm Water Management and Erosion Control requires that all newly constructed storm water management practices be maintained by the Storm Water and Erosion Control Permit Holder until permit termination, after which maintenance responsibilities shall be transferred to the responsible party identified on the subdivision plat [or CSM] and referenced in this Maintenance Agreement.

Upon execution below, this exhibit shall serve to certify that the Storm Water Permit Holder has satisfied all requirements of the Storm Water Management and Erosion Control Ordinance and that the City of Waukesha has terminated the Storm Water Management and Erosion Control Permit for the property covered by this Maintenance Agreement.

Dated this ___ day of _____, 202_.

City of Waukesha representative:

(Signature)

(Typed Name and Title)

Acknowledgements

State of Wisconsin
County of Waukesha

Personally came before me this ____ day of _____, 202_, the above named _____ to me known to be the person who executed the foregoing instrument and acknowledged the same.

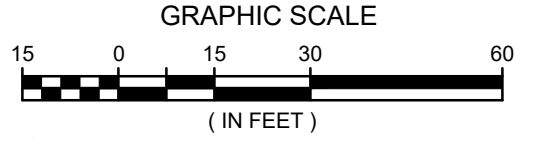
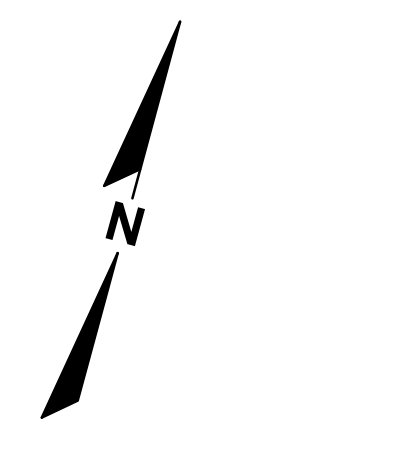
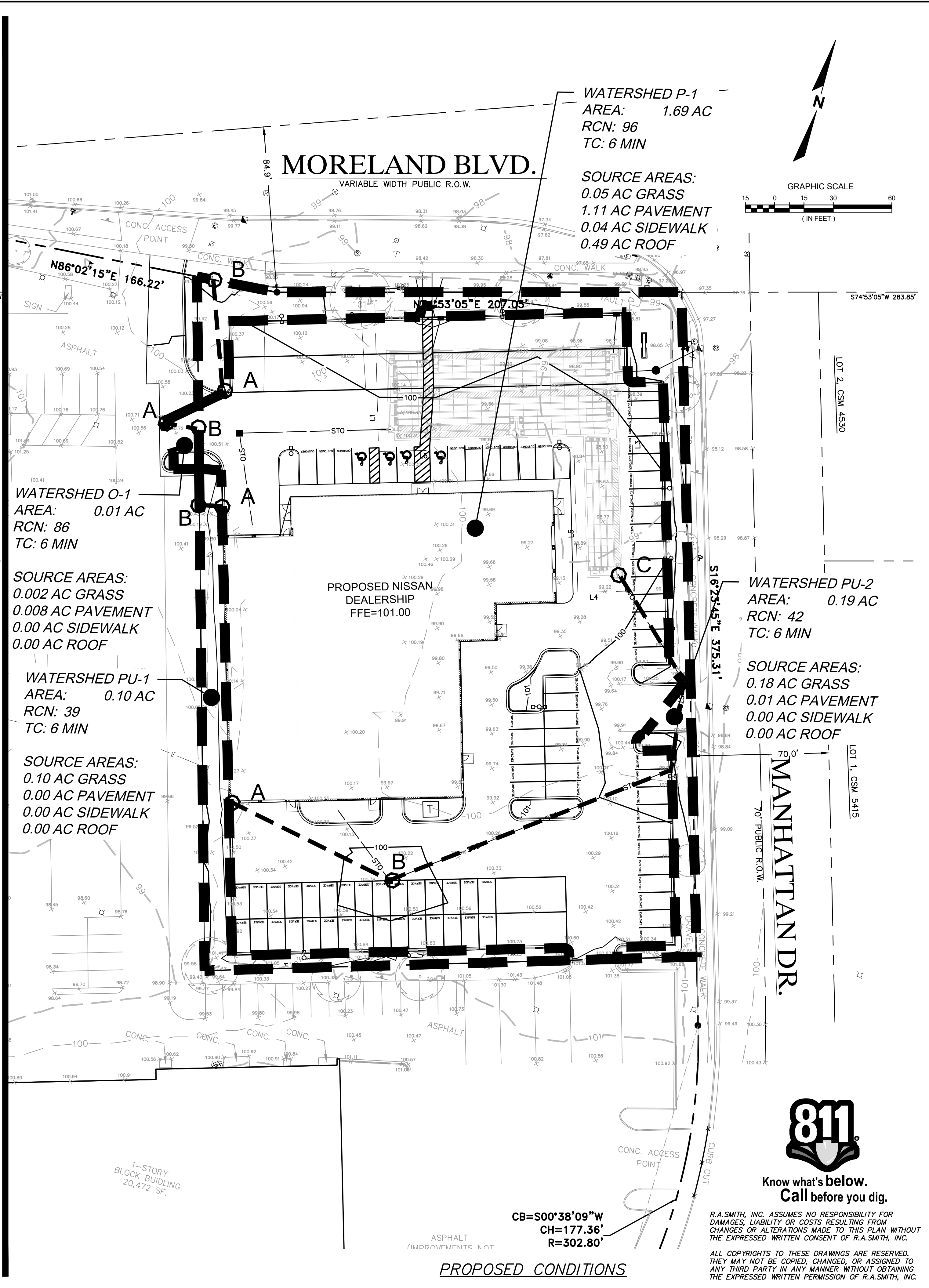
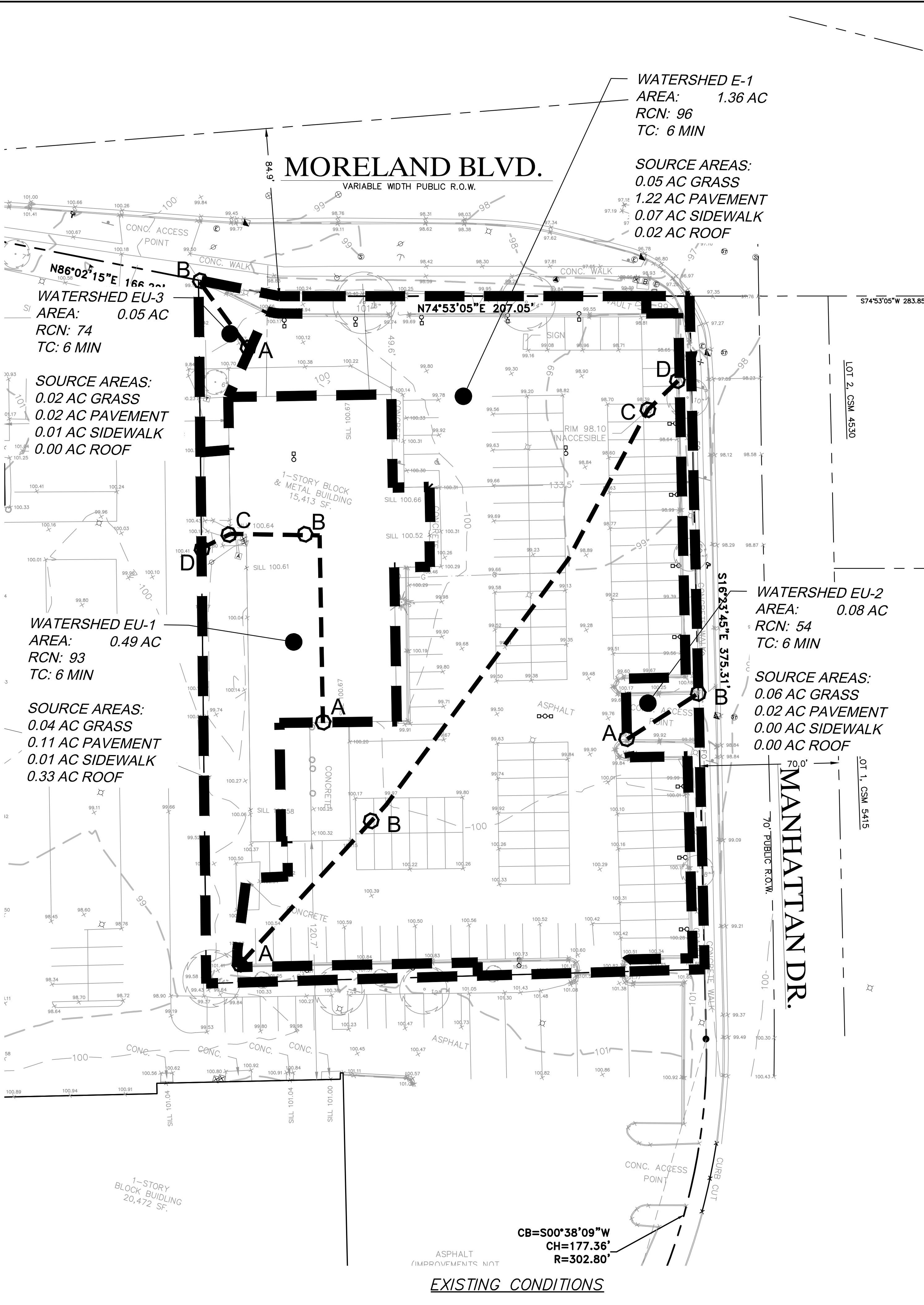
_____.


[Name]

Notary Public, Waukesha County, WI

My commission expires: _____

APPENDIX G
Hydrology Exhibit

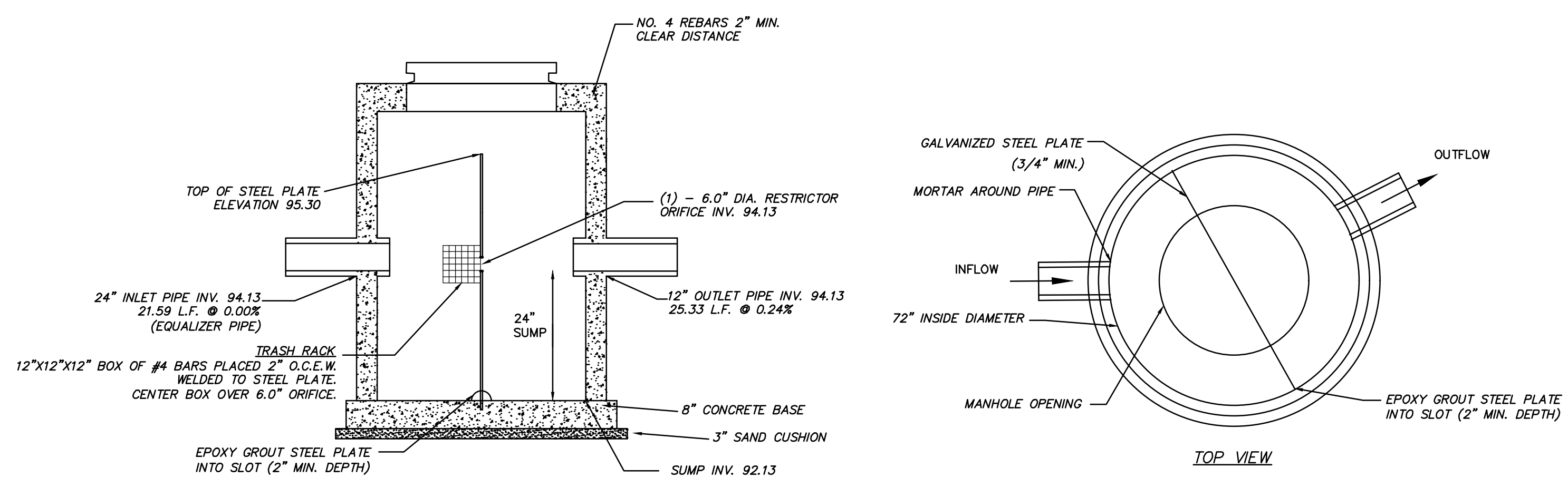
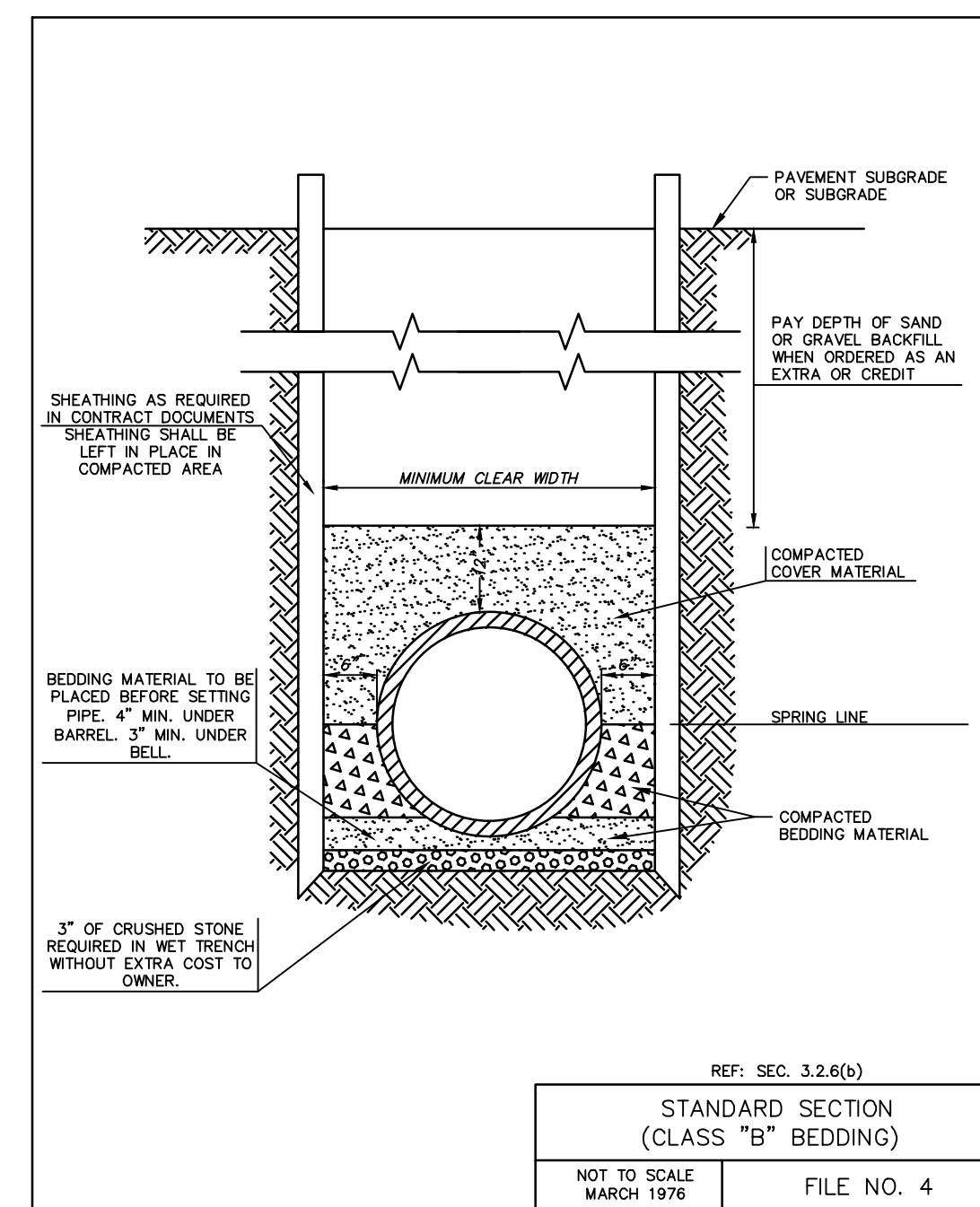
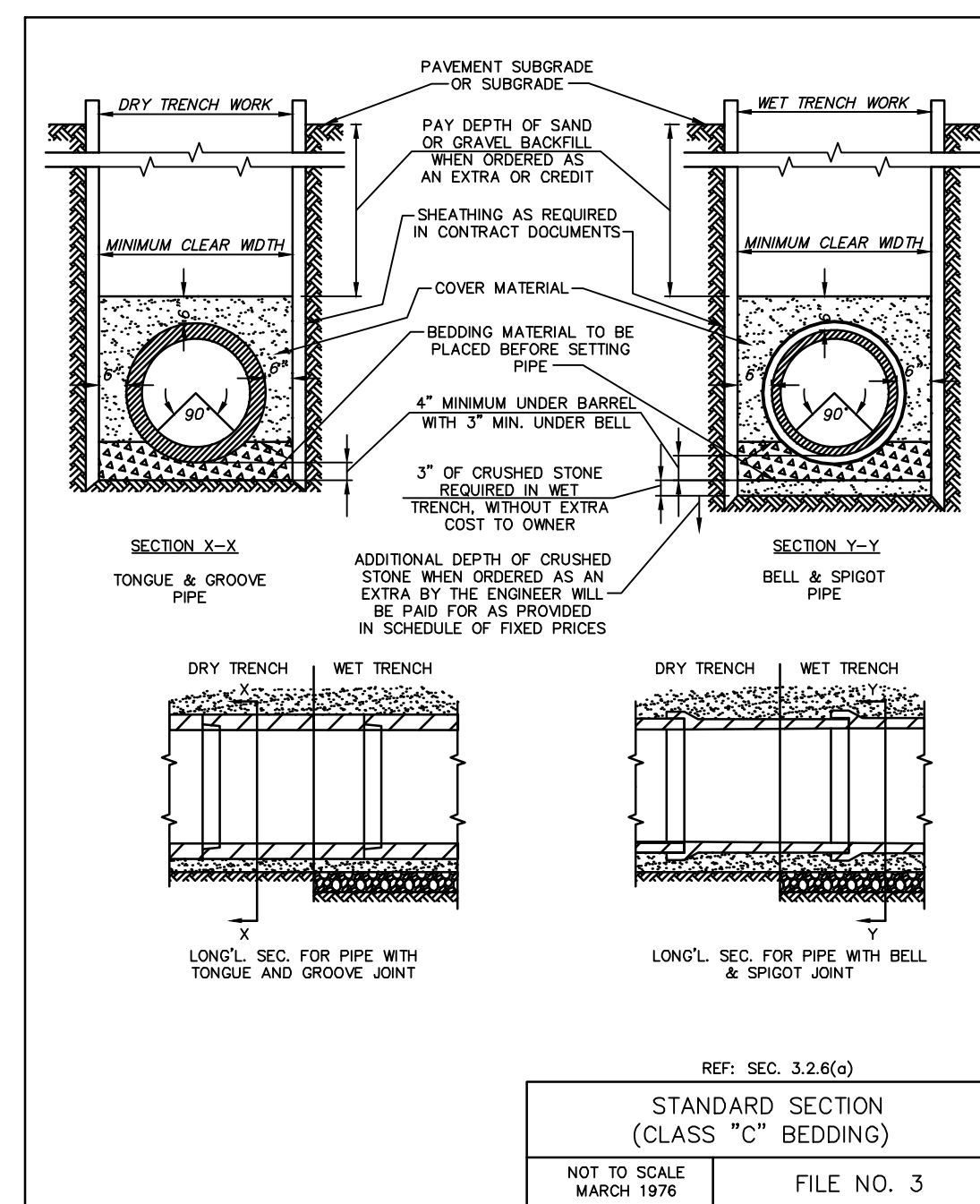
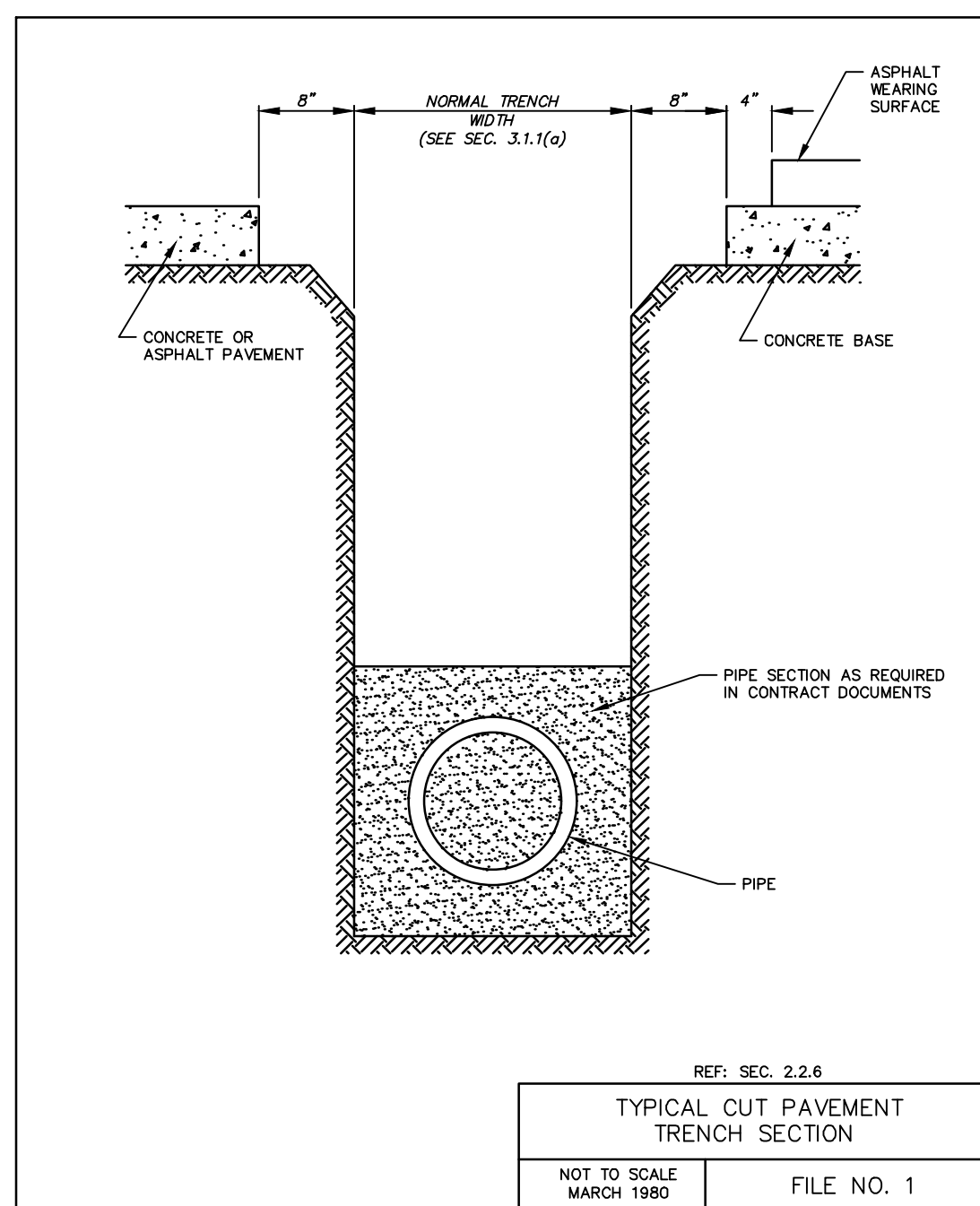


DESCRIPTION	
DATE	
16745 W. Blueround Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com	
 CREATIVITY BEYOND ENGINEERING	
Brookfield, WI Milwaukee, WI Appleton, WI Madison, WI Cedarburg, WI Naperville, IL Irvine, CA	
NISSAN WAUKESHA CITY OF WAUKESHA, WISCONSIN HYDROLOGY EXHIBIT	
© COPYRIGHT 2023 R.A. Smith, Inc. DATE: 01/26/2023 SCALE: 1" = 30' JOB NO. 3220213 PROJECT MANAGER: RYAN J. LANCOUR, P.E. DESIGNED BY: CRR CHECKED BY: RJL	
SHEET NUMBER HX1.0	



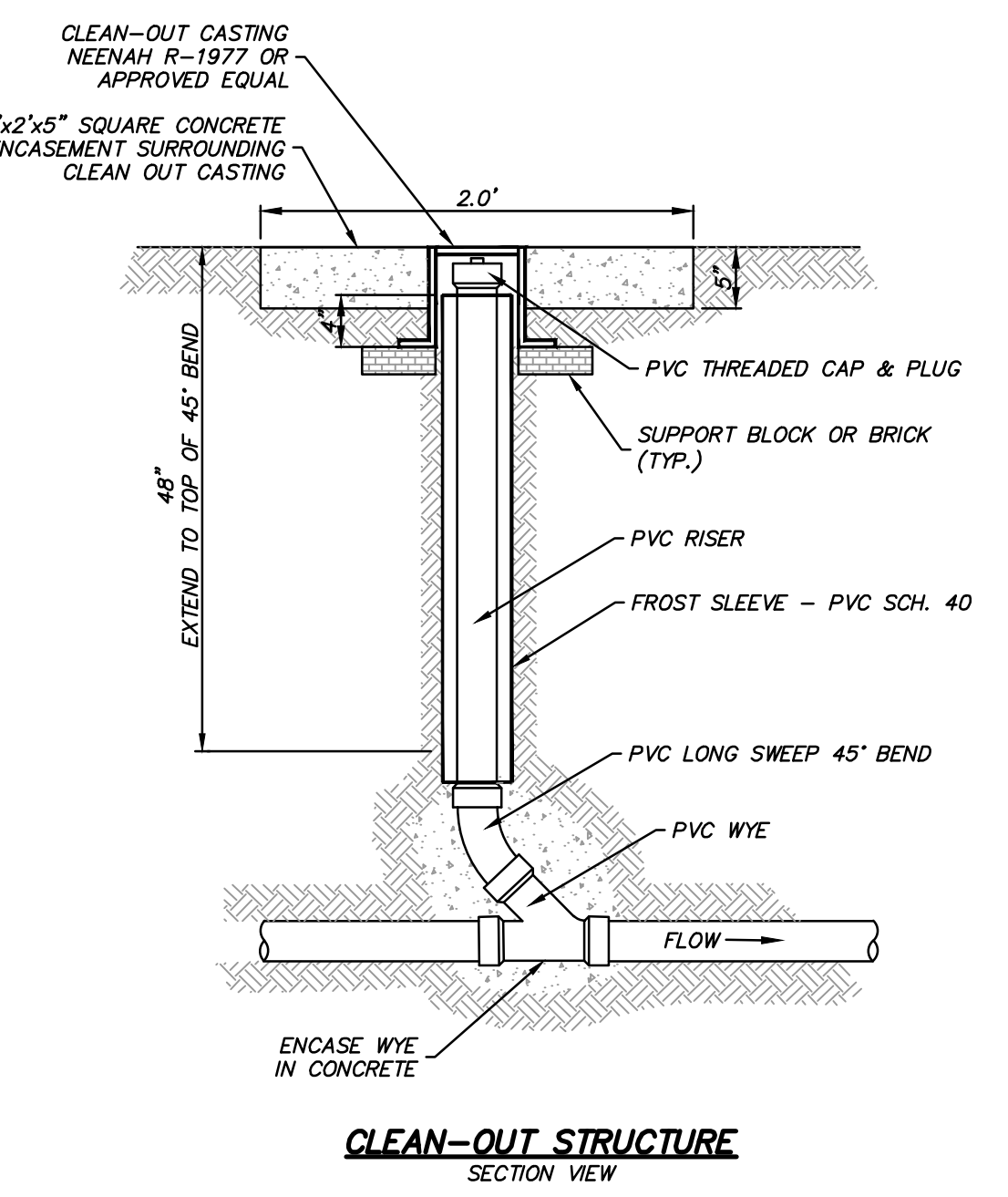
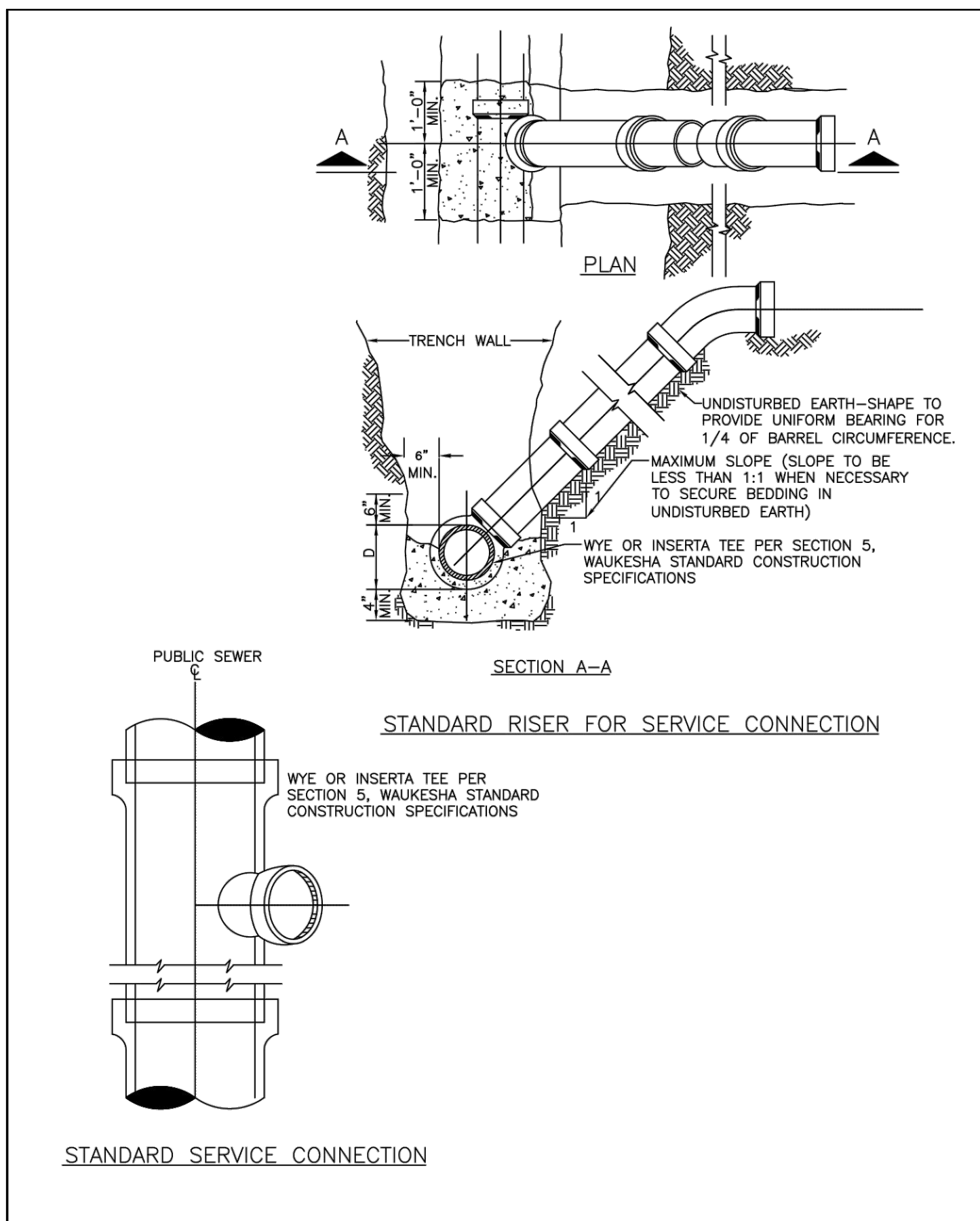
Know what's below.
Call before you dig.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN, WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.
ALL COPYRIGHTS TO THESE DRAWINGS ARE RESERVED. THEY MAY NOT BE COPIED, CHANGED, OR ASSIGNED TO ANY THIRD PARTY IN ANY MANNER WITHOUT OBTAINING THE EXPRESSED WRITTEN PERMISSION OF R.A. SMITH, INC.



- NOTES:**
1. STRUCTURE SHALL BE CONSTRUCTED CONFORMING TO THE REQUIREMENTS OF ASTM C-478.
 2. REINFORCING STEEL NOT SHOWN

STO 605 OUTLET STRUCTURE DETAIL



CLEAN-OUT STRUCTURE SECTION VIEW



Know what's below. Call before you dig.

R.A.S.MITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A.S.MITH, INC. ALL COPYRIGHTS TO THESE DRAWINGS ARE RESERVED. THEY MAY NOT BE COPIED, CHANGED, OR ASSIGNED TO ANY THIRD PARTY IN ANY MANNER WITHOUT OBTAINING THE EXPRESSED WRITTEN PERMISSION OF R.A.S.MITH, INC.

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS
STANDARD CONSTRUCTION DETAIL - STANDARD SERVICE CONNECTION -
APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: JBE:JL DATE: 12/23/18 PLOT SCALE: 3/4" = 1'-0" DETAIL NUMBER: **05-0156**

DESCRIPTION

DATE

16745 W. Bluemound Road
Brookfield, WI 53005-5938
(262) 781-1000
rasmith.com
raSmith
CREATIVITY BEYOND ENGINEERING
Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI
Cedarburg, WI | Naperville, IL | Irvine, CA

NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
UTILITY DETAILS

© COPYRIGHT 2023
R.A. Smith, Inc.
DATE: 5/22/2023
SCALE: N.T.S.
JOB NO. 3220213
PROJECT MANAGER:
RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER
C502

PROJECT INFORMATION table with columns for role and name/ID.



NISSAN WAUKESHA, WI, USA

SC-310 STORMTECH CHAMBER SPECIFICATIONS

- 1. CHAMBERS SHALL BE STORMTECH SC-310.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLYETHYLENE) OR ASTM F2418 (POLYPROPYLENE)...

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

- 1. STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".

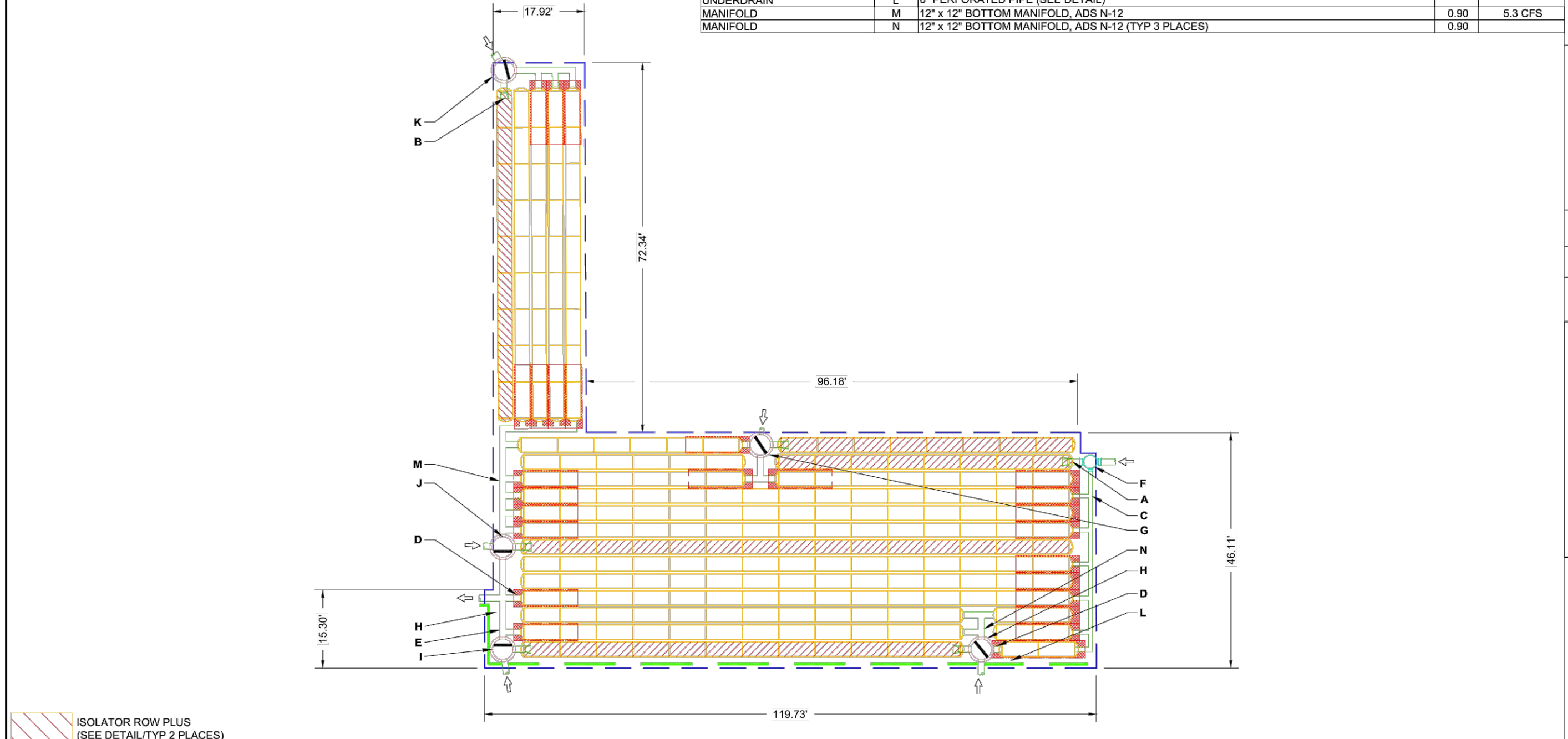
NOTES FOR CONSTRUCTION EQUIPMENT

- 1. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
- NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
- NO RUBBER-TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED...

PROPOSED LAYOUT table with columns: SYSTEM, AREA (sq ft), PERIMETER (ft).

PROPOSED ELEVATIONS table with columns: ELEVATION, DESCRIPTION.

Table with columns: PART TYPE, ITEM ON LAYOUT, DESCRIPTION, INVERT, MAX FLOW.



ISOLATOR ROW PLUS (SEE DETAIL TYP 2 PLACES)
PLACE MINIMUM 12.50' OF ADSPLUS125 WOVEN GEOTEXILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

NOTES: MANHOLE SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER... THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY...

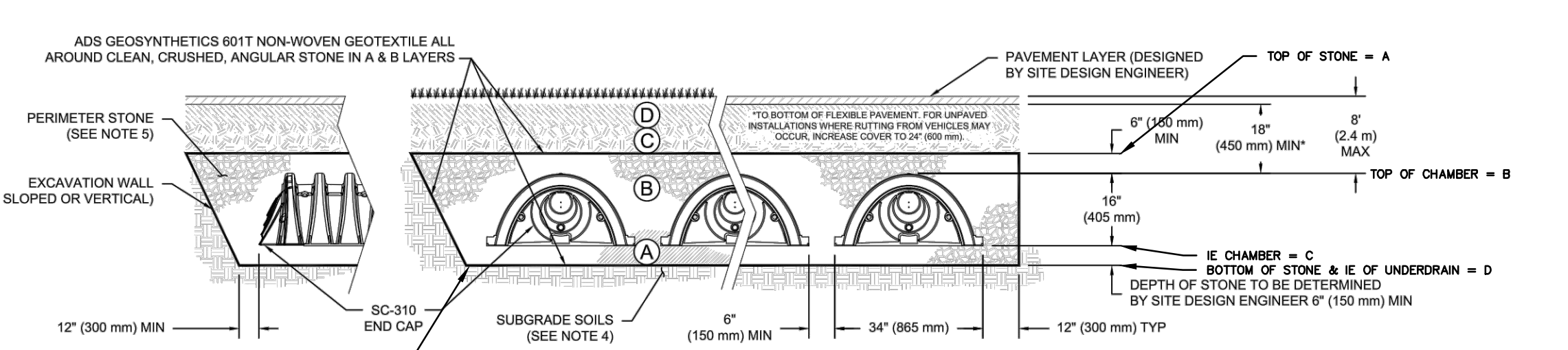
StormTech Chamber System logo and contact information.

raSmith logo and contact information: 16745 W. Bluemound Road, Brookfield, WI 53005-5938.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

Table with columns: MATERIAL LOCATION, DESCRIPTION, AASHTO MATERIAL CLASSIFICATIONS, COMPACTION / DENSITY REQUIREMENT.

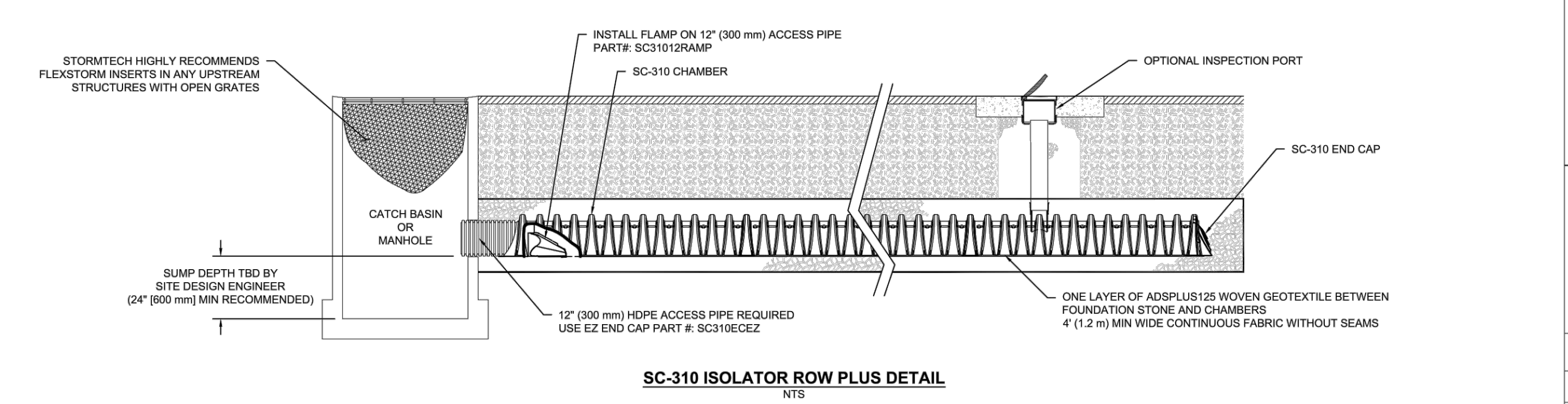
PLEASE NOTE: 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY... 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS...



STORM SYSTEM table with columns: Layer, Volume.

- NOTES: 1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLYETHYLENE) OR ASTM F2418 (POLYPROPYLENE)... 2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787...

StormTech Chamber System logo and contact information on the right side of the table.



INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
A. INSPECTION PORTS (IF PRESENT)
A.1. REMOVE LID ON NYLON PLAST INLINE DRAIN
A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED

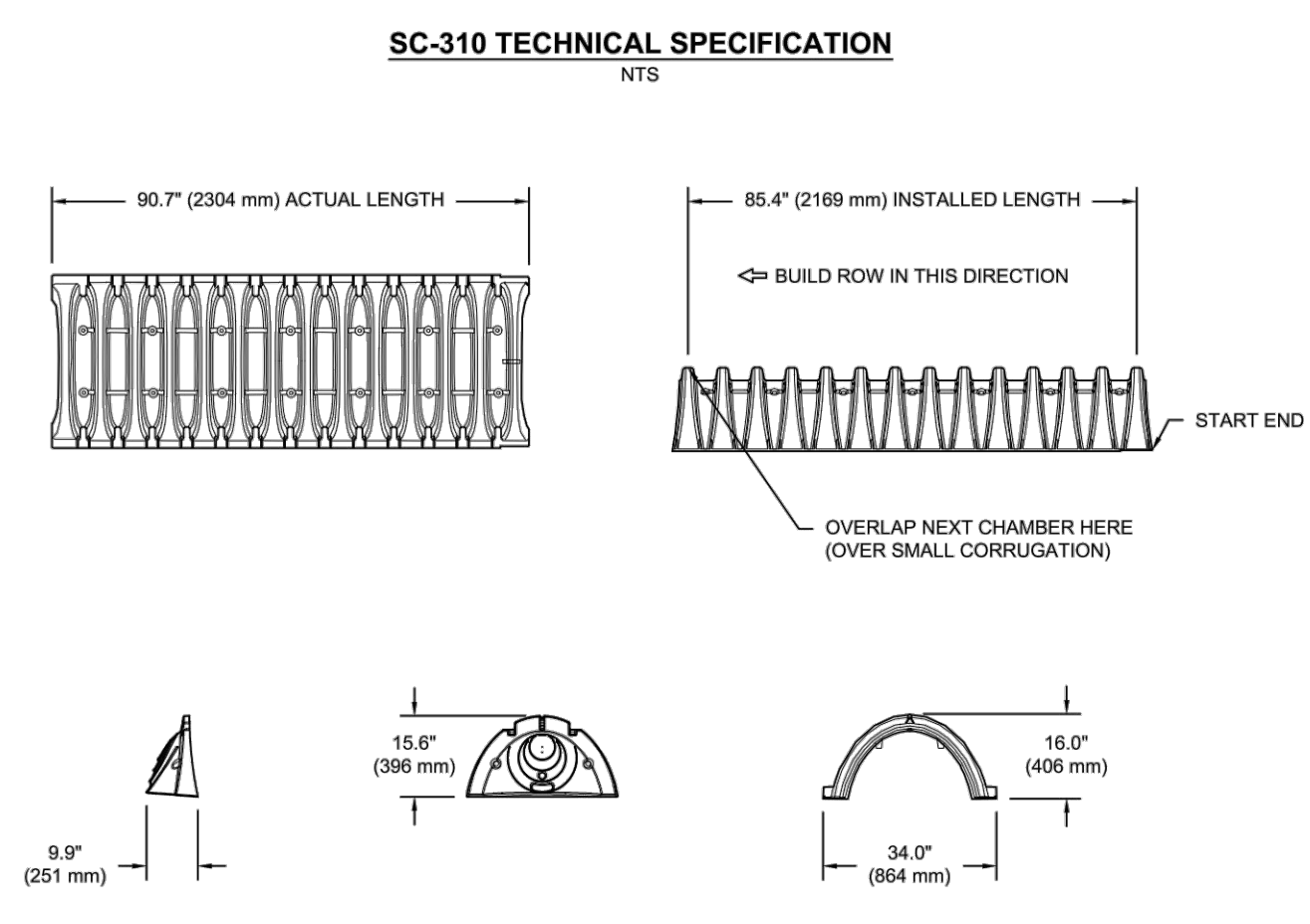
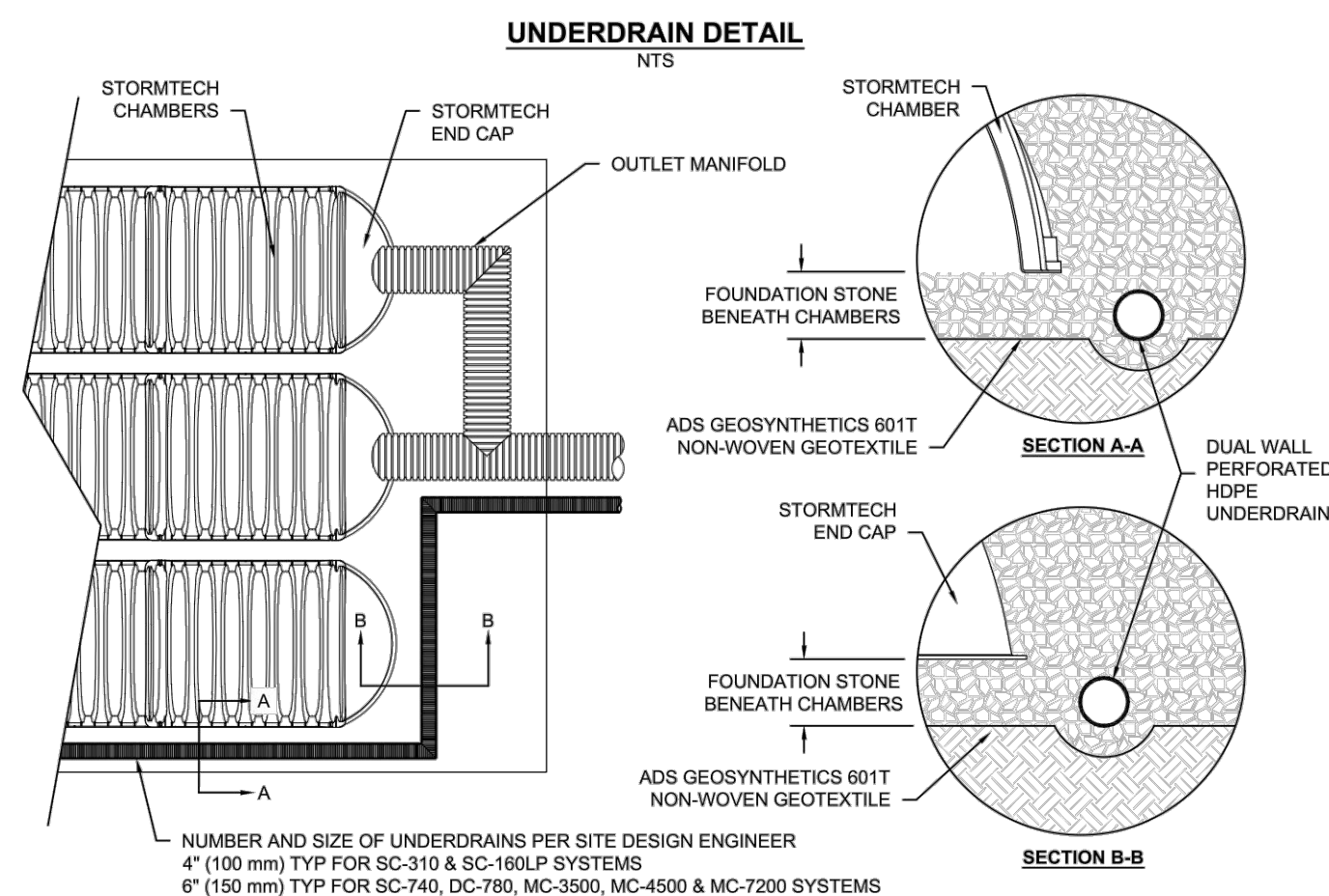
- NOTES: 1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION... 2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

StormTech Chamber System logo and contact information at the bottom of the right side.

NISSAN WAUKESHA CITY OF WAUKESHA, WISCONSIN UNDERGROUND STORAGE DETAILS

COPYRIGHT 2023 R.A. Smith, Inc. DATE: 5/22/2023 SCALE: N.T.S. JOB NO. 3220213 PROJECT MANAGER: RYAN J. LANCOUR, P.E. DESIGNED BY: CRR CHECKED BY: RJL SHEET NUMBER C503

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NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	34.0" X 16.0" X 85.4"	(864 mm X 408 mm X 2169 mm)
CHAMBER STORAGE	14.7 CUBIC FEET (0.42 m ³)	
MINIMUM INSTALLED STORAGE*	31.0 CUBIC FEET (0.88 m ³)	
WEIGHT	35.0 lbs. (16.8 kg)	

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC310PE06T / SC310PE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310PE06B / SC310PE06BPC	---	---	---	0.5" (13 mm)
SC310PE08T / SC310PE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310PE08B / SC310PE08BPC	---	---	---	0.6" (15 mm)
SC310PE10T / SC310PE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310PE10B / SC310PE10BPC	---	---	---	0.7" (18 mm)
SC310CEZ	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310CEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310CEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

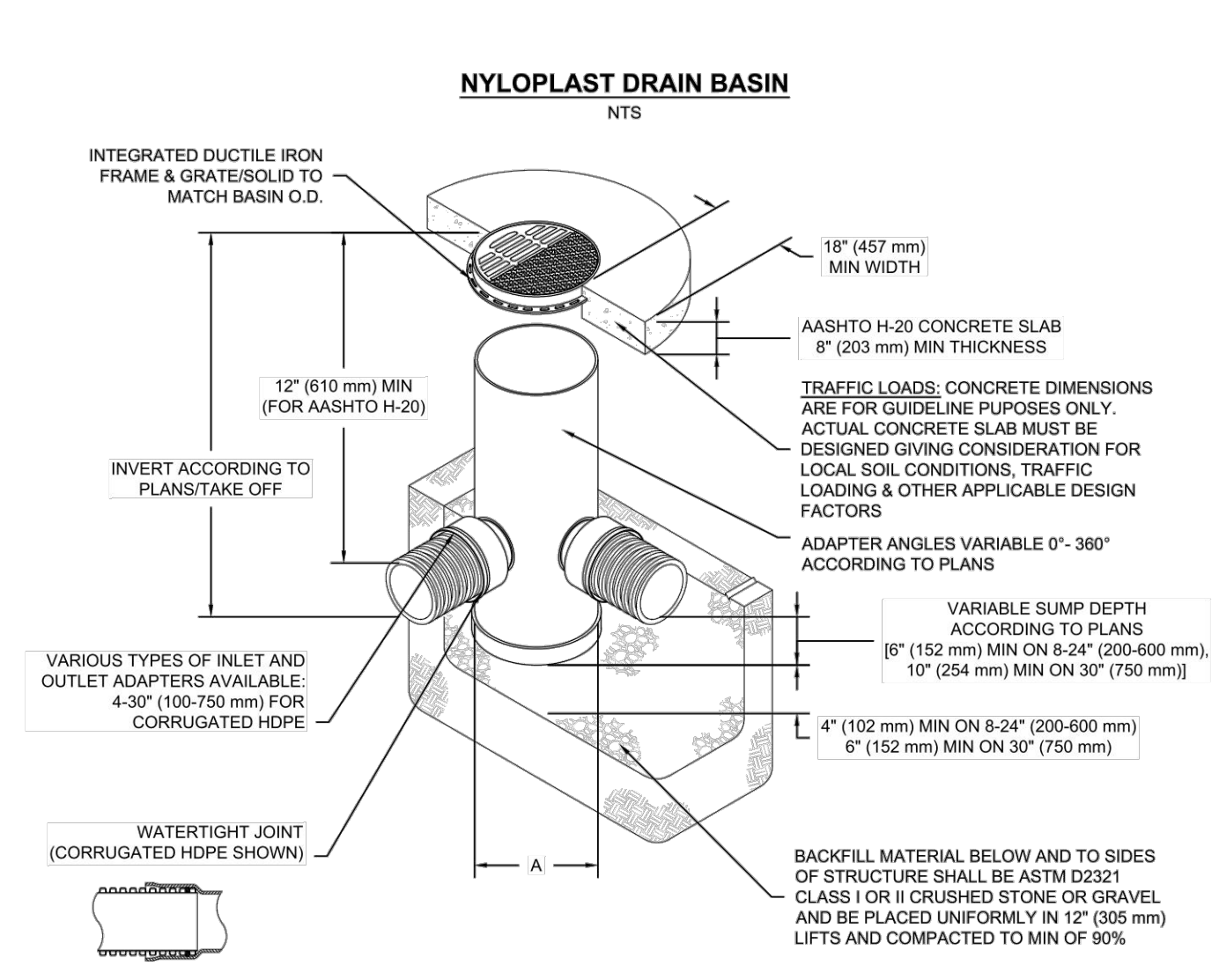
NOTE: ALL DIMENSIONS ARE NOMINAL

StormTech Chamber System

4640 TREUEMAN BLVD
MILLIARD, OH 43026
1-800-735-7473

NISSAN
WAUKESHA, WI, USA
DATE: 02/22/23
DRAWN: DDW
SYSTEM RECOMMENDED
DESCRIPTION
DATE: 02/22/23
DRAWN: DDW
CHECKED: N/A
DATE: 02/22/23
DRAWN: DDW
CHECKED: N/A

SHEET 5 OF 6



NOTES

- 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A338 GRADE 70-50-05
- 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A338 GRADE 70-50-05
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE ADS & HANCOCK DUAL WALL & SDR 35 PVC
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
- TO ORDER CALL: 800-821-6710

A	PART #	GRATE/SOLID COVER OPTIONS
8"	2808AG	PEDESTRIAN LIGHT DUTY STANDARD LIGHT DUTY SOLID LIGHT DUTY
10"	2819AG	PEDESTRIAN LIGHT DUTY STANDARD LIGHT DUTY SOLID LIGHT DUTY
12"	2812AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
15"	2815AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
18"	2818AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
24"	2824AG	PEDESTRIAN AASHTO H-10 STANDARD AASHTO H-20 SOLID AASHTO H-20
30"	2830AG	PEDESTRIAN AASHTO H-20 STANDARD AASHTO H-20 SOLID AASHTO H-20

ADDS
4640 TREUEMAN BLVD
MILLIARD, OH 43026
1-800-735-7473

Nyloplast
770-892-2443 | WWW.NYLOPLAST-US.COM

SHEET 6 OF 6

NISSAN WAUKESHA, WI, USA
DATE: 02/22/23
DRAWN: DDW
CHECKED: N/A

Nyloplast
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16745 W. Bluemound Road
Brookfield, WI 53005-5938
(262) 781-1000
rasmith.com

Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI
Cedarburg, WI | Naperville, IL | Irvine, CA

raSmith
CREATIVITY BEYOND ENGINEERING

DESCRIPTION
DATE

NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
UNDERGROUND STORAGE DETAILS

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R.A. Smith, Inc.
DATE: 5/22/2023
SCALE: N.T.S.
JOB NO. 3220213
PROJECT MANAGER:
RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL

SHEET NUMBER
C504

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