



SITE PLAN REVIEW COMMITTEE MEETING AGENDA

MONDAY, MARCH 09, 2026 AT 1:30 PM

**COUNCIL CHAMBERS, SECOND FLOOR, MUNICIPAL BUILDING, 106 JONES STREET,
WATERTOWN, WI 53094**

1. CALL TO ORDER

2. APPROVAL OF MINUTES

A. Review and take action: Site Plan Review minutes dated January 12, 2026

3. BUSINESS

A. Review and take action: 1727 S. Church Street for a proposed car wash

4. ADJOURNMENT

Persons requiring other reasonable accommodations for any of the above meetings, may contact the office of the City Clerk at cityclerk@watertownwi.gov phone 920-262-4000

A quorum of any City of Watertown Council, Committee, Board, Commission, or other body, may be present at this meeting for observing and gathering of information only

SITE PLAN REVIEW COMMITTEE
January 12, 2026

The Site Plan Review Committee met on the above date at 1:30 P.M. in the Council Chambers on the second floor of City Hall. The following members were present: Mayor Robert Stocks, Brian Zirbes – Planning & Zoning, Mike Jacek – Building Inspection, Mike Zitelman – Water/Wastewater, Laura Bohlman – Police, Ali Pangopoulos – Attorney, Tanya Reynen – Fire, Kristine Butteris – Park & Rec, Stacy Winkelman – Streets & Solid Waste, Maureen McBroom – Stormwater, Nathan Williams – Engineering, and Manager of Economic Development and Strategic Initiatives Deb Sybell.

Also in attendance were Nikki Zimmerman – Building Safety & Zoning, Ben Wehmeier and Tracy Schroeder of Greater Watertown Community Health Foundation, and James Kuckkan of Watertown Daily Times. Nate Peters of Greater Watertown Community Health Foundation joined remotely.

1. Call to Order

The meeting was called to order by Chairperson Brian Zirbes.

2. Approval of Minutes

A. Review and take action: Site Plan Review Minutes Dated December 22, 2025

Motion was made by Mike Jacek and seconded by Tanya Reynen to approve the minutes as submitted. Unanimously approved.

3. Business

A. Review and take action: Gateway Drive Preliminary Plat (PIN: 291-0815-1631-003)

The applicant is looking for an area to implement affordable housing with smaller lot sizes. Including rezoning the proposed properties from Multi-Family Residential (MR-8) to Single-Family Residential (SR-4), proposals would be slightly smaller width properties and going from an 8,000 square foot lot size to about 7,000 square feet.

The following was presented by staff:

- Fire: No comment.
- Building: Building plans will be reviewed once they are submitted. So far, the setbacks look appropriate. Note that City of Watertown Codes state that 50% of the lot must remain green space so with smaller lots, that may bring issues in the future if anyone wishes to build a shed or other items.
- Police: No comment.
- Mayor: No comment.
- Stormwater: Previous conversations have discussed regarding not currently needing the erosion control and stormwater runoff permit for the site. Drainage easements should be noted on the plat. Information on soil borings and the ground water depth should be submitted as part of the planning process. If 21,780 square feet of new impervious surface is constructed, the City of Watertown’s Chapter 288 would kick in and an erosion control and stormwater runoff permit would be required. If there is one acre of land disturbance, the DNR rules are triggered and their NOI permit would be needed.
- Engineering: Asked about the disturbance marked in the back that is currently farm field. Mr. Wehmeier stated that would become part of a grassed yard for the single-family homes in the area.
- Zoning: No comment.
- Parks & Rec: No comment.
- Water/Wastewater: No comment.
- Streets/Solid Waste: The residents would be eligible for city services for solid waste & recycling. Be sure to obtain a Street Opening Permit when cutting into the street.
- Econ. Development: No comment.
- Legal: No comment.

Motion was made by Stacy Winkelman and seconded by Kristine Butteris to recommend approval of this item to the Plan Commission contingent upon building plans being reviewed by the state and awareness of the amount of land being disturbed and if that triggers the need for additional stormwater permitting.

Unanimously approved.

B. Review and take action: The Oxbow amended General Development Plan (GDP) and Planned Development Overlay – Precise Implementation Plan (PD-PIP)

The applicant was not present to discuss this item.

The following was presented by staff:

- Fire: The hydrant is too close to the building. It has to be 40' away from the building and 100' of the FDC.
- Building: The plans will have to be reviewed by the state before submitting to the city.
- Police: No comment.
- Mayor: No comment.
- Stormwater: An erosion control and stormwater runoff permit application package was received on January 7, 2026 and is currently being reviewed. Any comments will be sent to the engineer on record.
- Engineering: Comments will be coming regarding the right-of-way and pavement.
- Zoning: In the Bulk Standards Table of the GDP and PIP submittal the table shows a 63-foot height of the building but the footnote states 60 feet. The footnote should be changed to 63 feet. The Riverwalk should be labeled and the proposed easement should be shown on the PIP document. The submittal includes a floor plan with apartment layouts for the first floor only. The floor plan with the layouts of the apartments should be shown for the other three floors as well.
- Parks & Rec: The landscaping looks appropriate. However, the planting height needs to be mentioned. The root flare needs to be taken into account. All items should fall under the City of Watertown's Contractor Tree Planting Permit.
- Water/Wastewater: The connection to existing water is currently shown on the plan as 8". The pipe is actually 6" that they would be connecting to. In addition, a shutoff valve should be outside the building where the water line goes into the building. These items need to be shown on the plans.
- Streets/Solid Waste: No comment.
- Econ. Development: No comment.
- Legal: For the Development Agreement the estimated cost information will be needed for installing improvements specific to roadway pavement, grading, erosion control, sanitary sewer, water main, and storm sewer.

Motion was made by Tanya Reynen and seconded by Maureen McBroom to recommend approval of this item to the Plan Commission contingent upon the comments above.

Unanimously approved.

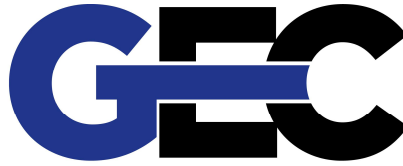
4. Adjournment

Motion was made by Mike Zitelman and seconded by Tanya Reynen to adjourn. Unanimously approved.

Respectfully submitted,
Nikki Zimmerman, Recording Secretary

Note: These minutes are uncorrected, and any corrections made thereto will be noted in the proceedings at which these minutes are approved.

General Engineering Company
P.O. Box 340
916 Silver Lake Drive
Portage, WI 53901



608-742-2169 (Office)
608-742-2592 (Fax)
gec@generalengineering.net
www.generalengineering.net

Engineers • Consultants • Inspectors

**TOMMY'S CAR WASH – SUPPLEMENTAL INFORMATION for
SITE PLAN and CONDITIONAL USE PERMIT APPLICATIONS
and COMMUNITY ENTRY CORRIDOR OVERLAY ZONING DISTRICT**

Site Plan Application Supplemental Information

- Existing Zoning – GB, General Business
- Land Use Map Designation – Planned Mixed Use
- Current Land Use – Restaurant
- Proposed Land Use – Carwash (In-vehicle sales or service)
- Projected Number of Employees – 2 shifts with 4 employees each.
- Project Number of Daily Customers - A typical Tommy's Car Wash can process up to 180 cars per hour.
- Lot Area – 1.01 Acres or 43,960 SF
- Floor Area/Ratio – 4,612 SF / 10.5%
- Impervious Surface Area/Ratio – 28,922 SF / 65.8%
- Landscape Surface Area/Ratio – 14,835 SF / 33.7%
- Hours of Operation – 7 days a week between the hours of 7am and 8pm.
- Normal and Peak Water Usage – See attached report.
- Sanitary Sewer Flows – See attached report.
- Traffic Generation – No Traffic Study was performed but a typical Tommy's Car Wash can process up to 180 cars per hour.
- Article XI: Performance Standards – Noise: See attached report.
- Article XI: Performance Standards – Light: Refer to the lighting plan provided with the submittal.
- Article XI: Performance Standards – Vibration: The ordinance refers to industrial sites. This site is commercial but we don't anticipate any vibration issues from the car wash operations.
- Article XI: Performance Standards – The proposed development shall comply with all other requirements of Article XI.
- Exterior building and fencing materials – See building elevations for building materials. Fencing materials for garbage enclosure are provided in the civil plan sheets.
- Possible future expansion – none planned
- Access, Parking, Loading - Same access locations and width to site will be utilized off of access road to south and from driveway to motel to the east. No other access is provided. Parking - 17 vacuum stalls, 5 standard parking stalls, and 1 handicap stall are provided.

Conditional Use Permit Application Supplemental Information

Project Themes and Images

Tommy's Express Car Wash Systems is a national chain of tunnel car washes that utilizes a belt conveyor system to process up to 180 cars per hour. Their innovative approach and design recycles wash water and reuses it in the process, therefore reducing overall water use. The car wash system includes a reverse osmosis purification system and a water reclamation system which minimizes the amount of freshwater use for every wash and the amount that is discharged from the wash. The system also captures suspended solids, oil, and grease and prevents them from entering the sewer system.

The project site includes the car wash building, double payment lanes, self-serve vacuums, and parking for employees. The signature red Tommy ball serves as vacuum holsters and garbage cans for the self-serve vacuum stalls. The building is unique in itself with the signature black, gray, and red colors for

Portage • Black River Falls • La Crosse



Consulting Engineering • Structural Engineering • Building Design • Environmental Services • Building Inspection • GIS Services
Grants & Funding Services • Land Surveying • Zoning Administration • Mechanical, Electrical, & Plumbing Services



Tommy's with two large red towers at two opposite corners of the building. Building materials include brick, stone veneer, metal composite panels, acrylic roof system, aluminum louvers, clear glass windows, and glass infill panels. This project will enhance the surrounding development by providing a high quality, professionally designed facility that offers a convenient service to residents and visitors to the area.



Community Entry Corridor Overlay Zoning District - Supplemental Information

Design Standards for Nonresidential Development

1. *Building exterior materials shall be of high quality on all sides of the structure, including glass, brick, decorative concrete block or stucco. Decorative architectural metal with concealed fasteners may be approved with special permission from the City.*

Refer to the building elevations and the example photo above for proposed finishes.

2. *Building exterior design shall be unified in design and materials throughout the structure and shall be complementary to other structures in the vicinity. However, the development shall employ varying building setbacks, height, roof, treatments, door and window openings, and other structural and decorative elements to reduce the apparent size and scale of the structure. A minimum of 20% of the combined facades of the structure shall employ actual facade protrusions or recesses. A minimum of 20% of the combined linear roof eave or parapet lines of the structure shall employ differences in height of eight feet or more. Roofs with particular slopes may be required by the City to complement existing buildings or otherwise establish a particular aesthetic objective.*

Refer to the building elevations and the example photo above for proposed finishes.

3. *Mechanical equipment, refuse containers and any permitted outdoor storage shall be fully concealed from on-site and off-site ground-level views with materials identical to those used on the building exterior.*

Refuse containers are enclosed in a fenced in/gated decorative enclosure. Refer to the attached civil plans. Mechanical equipment is either concealed on the rooftop or concealed with decorative landscaping.

4. *Public entryways shall be prominently indicated from the building's exterior design and shall be emphasized by on-site traffic flow patterns. All sides of the building that directly face or abut a public street shall have public entrances.*

Requesting a waiver to this requirement as the proposed business is all in-vehicle sales. The layout of the building on the site does not allow a public entrance to face a public street.

5. *Parking lot design shall employ interior landscaped islands with a minimum of 400 square feet at all parking islands, and in addition shall provide a minimum of one landscaped island of a minimum of 400 square feet in each parking aisle for every 20 cars in that aisle. Aisle-end islands shall count toward meeting this requirement. Landscaped medians shall be used to break large parking areas into distinct pods, with a maximum of 100 spaces in any one pod.*

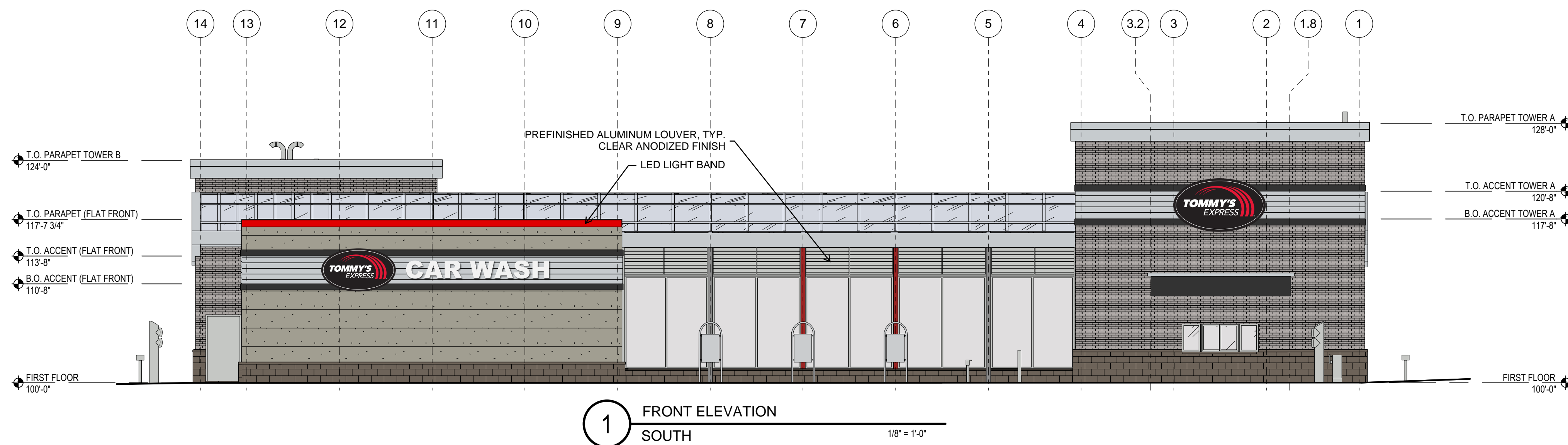
Requesting a waiver to this requirement as we only have 23 proposed parking spaces with a maximum of 14 spaces in one row. Also, 17 of these spaces are the vacuum spaces that are extra wide and have vacuum holsters at each stall.

6. *On-site landscaping shall be provided per the landscaping requirements of this chapter, except that building foundation landscaping and paved area landscaping shall be provided at 1.5 times the required landscape points for development in the zoning district.*

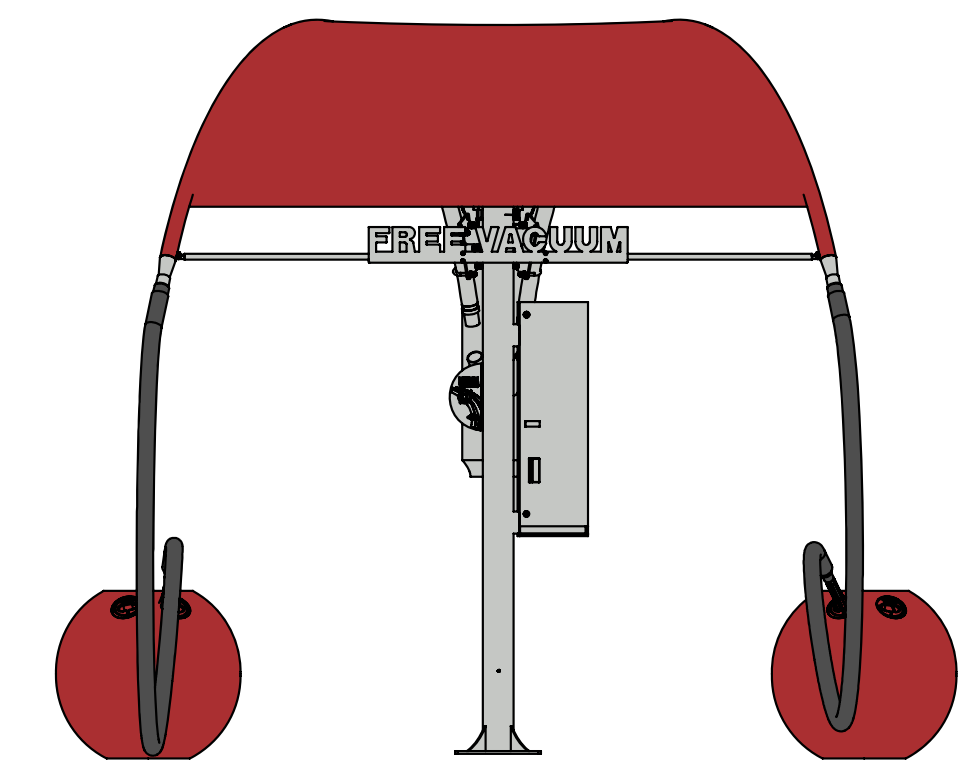
Refer to the attached landscape plan showing these additional requirements are included.

7. *The entire development shall provide for full and safe pedestrian and bicycle access within the development and shall provide appropriate connections to the existing and planned pedestrian and bicycle facilities in the community and in surrounding neighborhoods, including sidewalk connections to all building entrances from all public streets. The development shall provide secure bicycle parking and pedestrian furniture in appropriate quantities and location. A central pedestrian gathering area shall be provided.*

Requesting a waiver to this requirement as the proposed car wash is not pedestrian or bicycle oriented, only vehicle oriented.



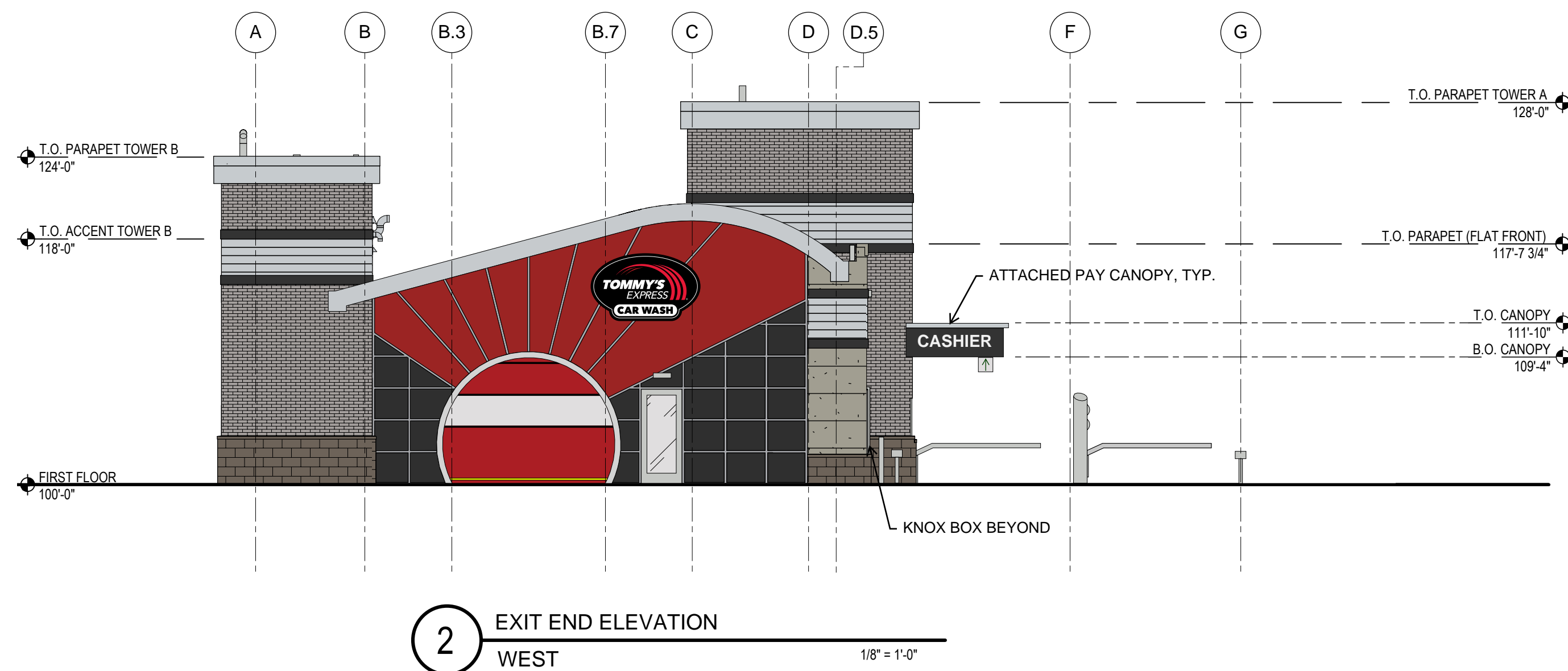
1 FRONT ELEVATION SOUTH
1/8" = 1'-0"



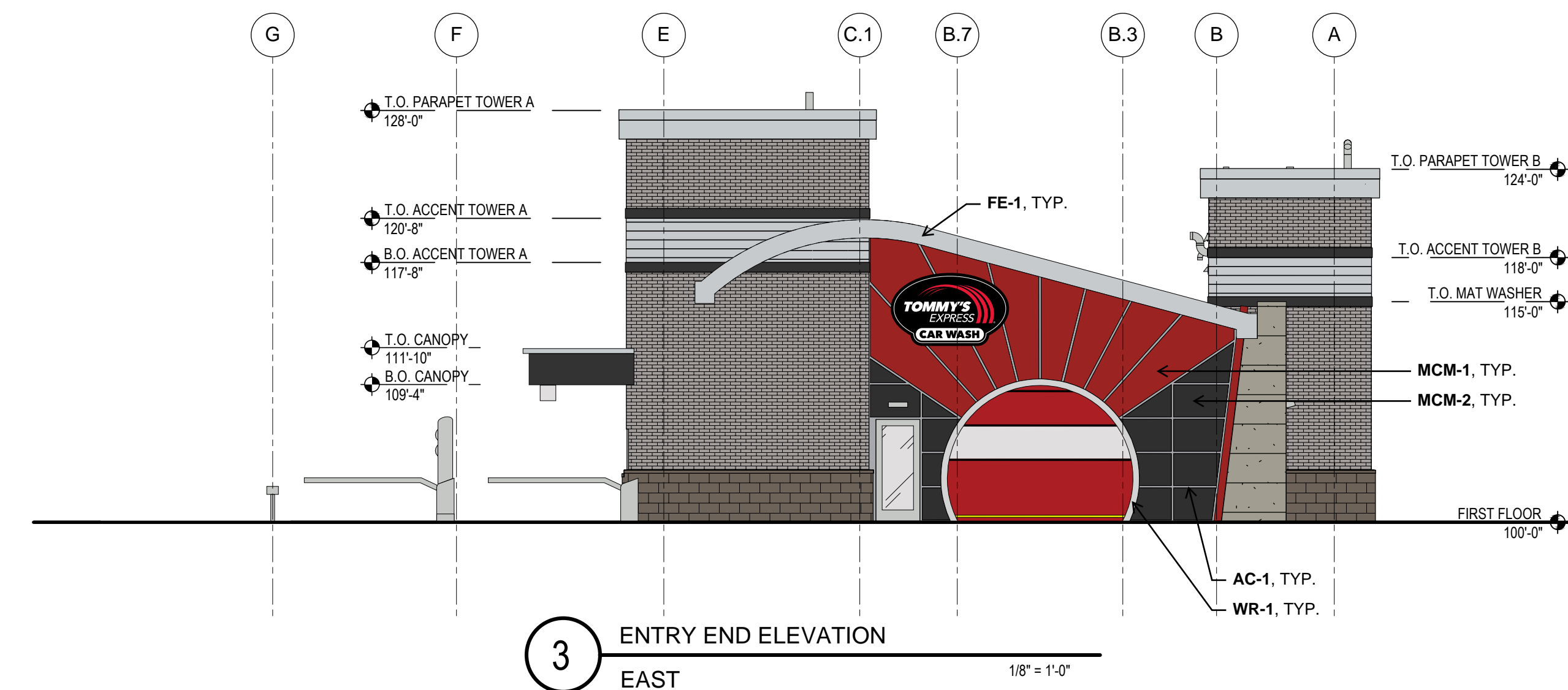
5 TYPICAL VACUUM ELEVATION
NOT TO SCALE

PERCENTAGES BY EXTERIOR MATERIAL					
BACK ELEVATION			ENTRY END ELEVATION		
MATERIAL	% COVERAGE	AREA (SF)	MATERIAL	% COVERAGE	AREA (SF)
METAL	25%	565	METAL	50%	547
MASONRY	42%	956	MASONRY	41%	529
GLAZING	33%	759	GLAZING	2%	21
			VINYL (GARAGE DOORS)	8%	97
TOTAL	100%	2,290	TOTAL	100%	1,294
FRONT ELEVATION			EXIT END ELEVATION		
MATERIAL	% COVERAGE	AREA (SF)	MATERIAL	% COVERAGE	AREA (SF)
METAL	31%	796	METAL	61%	794
MASONRY	49%	1,249	MASONRY	30%	383
GLAZING	19%	487	GLAZING	2%	21
			VINYL (GARAGE DOORS)	8%	97
TOTAL	100%	2,533	TOTAL	100%	1,295

(ROOF NOT INCLUDED IN AREA CALCULATIONS)

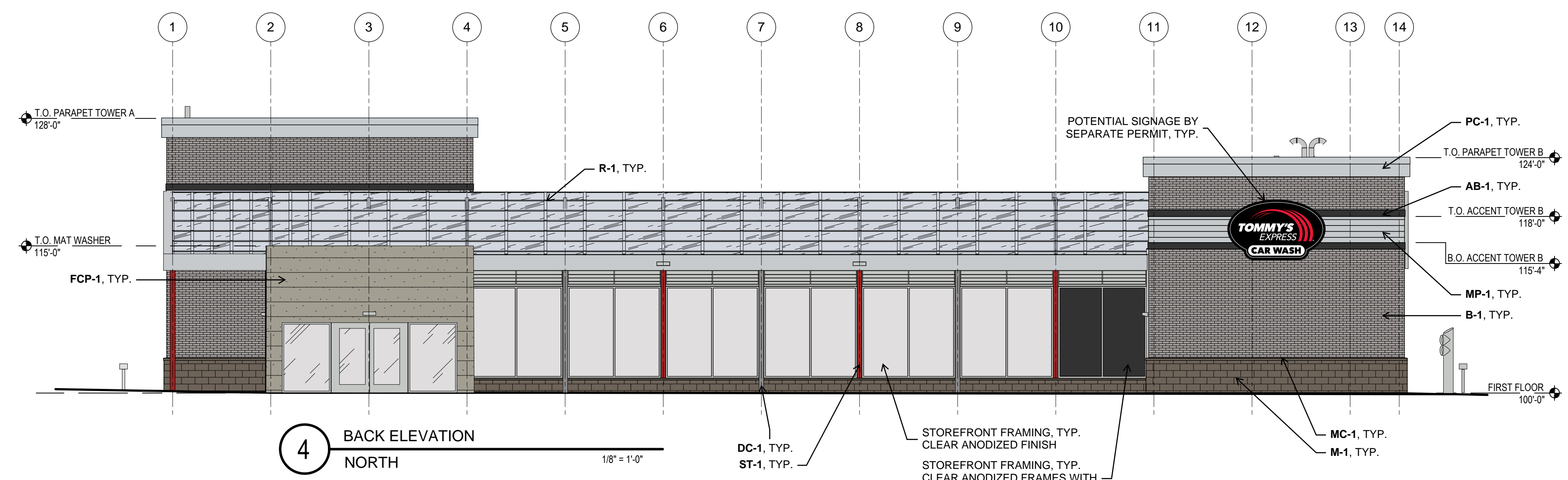


2 EXIT END ELEVATION WEST
1/8" = 1'-0"



3 ENTRY END ELEVATION EAST
1/8" = 1'-0"

TAG	MATERIAL	MFR.	DESCRIPTION	MFR. COLOR
ST-1	STRUCTURAL STEEL	PROSPRIANT	5-STAGE POWDER COATED	RAL 3001
MP-1	PREFINISHED PROFILED MCM, TOWER BANDING	ATAS	BELVEDERE 7.2" RIB PANEL	SILVERSMITH
B-1	BRICK, MAIN BUILDING FINISH	GLEN-GARY	GLAZED BRICK, KLAYCOAT	STONE GREY
M-1	CMU BLOCK	CONSUMERS	4" SPLIT FACE VENEER	ASH (MORTAR COLOR TO MATCH)
MC-1	PRECAST STONE		MASONRY CAP	TO MATCH M-1
FCP-1	FIBER CEMENT PANEL	NICHIHA	AWP1818 - ARCH. BLOCK, MODERN SERIES	GRAY
AB-1	PREFINISHED MCM, TOWER BANDING	ATAS	FLAT SHEET AND COIL	BLACK
PC-1	PREFINISHED MCM, TOWER FASCIA	ARCONIC	REYNOBOND COMPOSITE PANEL	BRIGHT SILVER METALLIC
MCM-1	PREFINISHED MCM, END WALLS	CITADEL	SINOCORE	MATCH RAL 3001
MCM-2	PREFINISHED MCM, END WALLS	CITADEL	SINOCORE	EBONY
AC-1	PREFINISHED MCM, END WALL REVEALS	TUBELITE	200 SERIES CURTAINWALL	CLEAR ANODIZED
DC-1	PREFINISHED MCM, DOWNSPOUT COVERS	ALPOLIC	4MM PE CORE	TBX METALLIC SILVER
WR-1	PREFINISHED MCM, GARAGE DOOR WRAPS	CITADEL	ENVELOPE 2000 SYSTEM	CLEAR SATIN ANODIZED
FE-1	PREFINISHED MCM, ROOF FASCIA	ALPOLIC	4MM PE CORE	TBX METALLIC SILVER
R-1	ACRYLIC ROOF SYSTEM	ACRYLITE	HEATSTOP HIGH IMPACT MULTI-SKIN	WZ011 - COOL BLUE WHITE



4 BACK ELEVATION NORTH
1/8" = 1'-0"

NOT FOR CONSTRUCTION FOR REFERENCE ONLY

Section 3, Item A.
CONFIDENTIAL WARNING: THIS SHEET CONTAINS AND CONSTITUTES CONFIDENTIAL INFORMATION, IMAGES, AND TRADE SECRETS OF TOMMY CAR WASH SYSTEMS. ANY UNAUTHORIZED USE OR PORTION THEREOF IS STRICTLY PROHIBITED. THIS WORK IS THE EXCLUSIVE PROPERTY OF TOMMY CAR WASH SYSTEMS. ALL RIGHTS RESERVED.

REVISION SCHEDULE	
VERSION	DESCRIPTION
1.0 B2	03/02/26



TOMMY'S EXPRESS CAR WASH EXTERIOR ELEVATIONS
P4845 1727 S Church St. Watertown, WI



TOMMY'S CAR WASH LSRE WATERTOWN LLC CITY SUBMITTAL

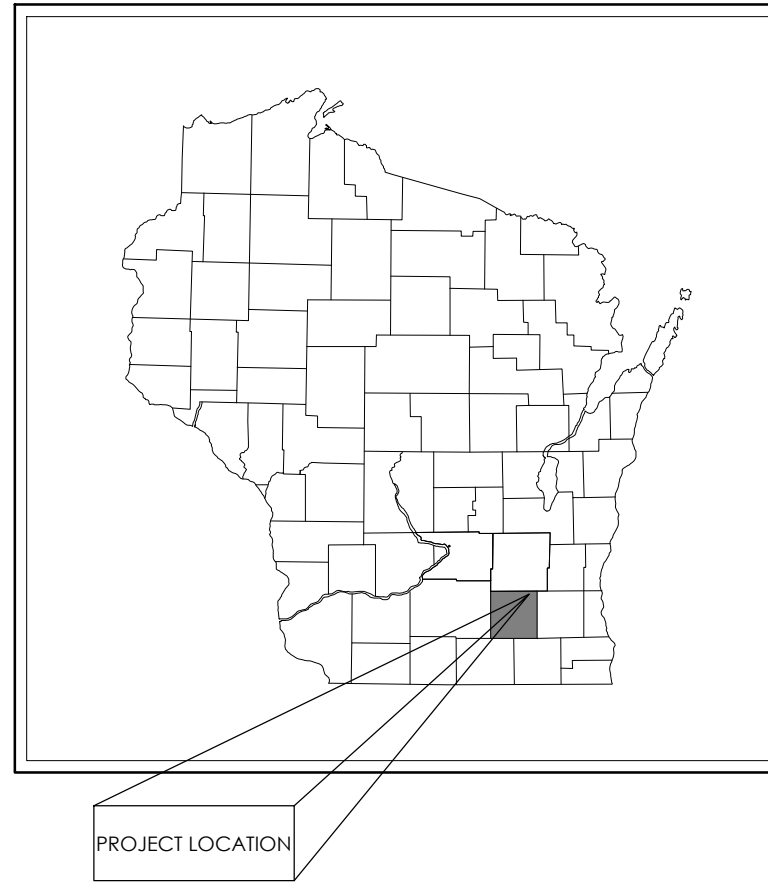
CITY OF WATERTOWN JEFFERSON COUNTY, WI

General Engineering Company

P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

G:\Current Files L-Q\LSRE Watertown LLC\01-25000-677 LSRE Watertown - Tommys Car Wash\CAD 01-25000-6772_CIVIL\Production Drawings\1_Bid Plan Sets\0-G1.0_TP_01-25000-677.dwg, G1.0, 2/17/2026 1:29:52 PM



NO SCALE



CITY OF WATERTOWN
LOCATION PLAN

TABLE OF CONTENTS:

GENERAL	
G1.0	TITLE PAGE
G1.1	LEGEND & NOTES
CIVIL	
C1.0	EXISTING SITE PLAN
C2.0	REMOVAL PLAN
C3.0 - 3.1	PROPOSED SITE PLAN
C4.0	PROPOSED GRADING & E.C.
C5.0-C5.3	PROPOSED SPOT ELEVATIONS
C6.0	PROPOSED UTILITY PLAN
C6.1	PROPOSED STORM SEWER PLAN
C7.0 - 7.6	CONSTRUCTION DETAILS
L1.0 - L1.2	LANDSCAPE PLAN

TITLE PAGE
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
CITY OF WATERTOWN
JEFFERSON COUNTY, WI

ENGINEER SEAL:

REVISIONS	NO.	BY	DATE

SCALE	
DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	0177
SHEET NO.	8

CONSTRUCTION NOTES

GENERAL

1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED, BY CONTRACTOR, PRIOR TO CONSTRUCTION.
2. ALL ASPHALT REPAIRS/REPLACEMENT SHALL BE SAWCUT TO MATCH EXISTING PAVEMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. ALL EXISTING ASPHALT AND GRAVEL DRIVEWAY APRONS THAT ARE REQUIRED TO BE RECONSTRUCTED SHALL BE REPLACED WITH 8" OF CRUSHED AGGREGATE BASE COURSE AND 3" OF ASPHALT. ALL EXISTING CONCRETE DRIVEWAY APRONS THAT ARE REQUIRED TO BE RECONSTRUCTED SHALL BE REPLACED WITH 6" CONCRETE.

WATER MAIN

1. EXISTING WATER MAIN LOCATIONS, SIZES, AND TYPES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MAKING ANY CONNECTIONS.
2. UNLESS OTHERWISE INDICATED BY DESIGN GRADE, MAINTAIN A 7.0' MINIMUM DEPTH OF COVER OVER PROPOSED WATER MAIN AND WATER MAIN LATERALS.
3. UNLESS OTHERWISE INDICATED FOR WATER MAIN CROSSINGS BELOW STORM SEWER & SANITARY SEWER PIPES CONTRACTOR SHALL MAINTAIN A MINIMUM 18" OF SEPARATION FROM EDGE OF PIPE TO EDGE OF PIPE.
4. LATERALS SHALL BE 4" DUCTILE IRON UNLESS OTHERWISE INDICATED.

SANITARY SEWER

1. EXISTING SANITARY SEWER LOCATIONS, SIZES, AND TYPES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MAKING ANY CONNECTIONS.
2. LATERALS SHALL BE 6" PVC UNLESS OTHERWISE INDICATED.

STORM SEWER

1. STORM SEWER PIPE LENGTHS ARE SHOWN MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

GRADING & EROSION CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION.
2. SILT FENCE & ROCK CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES, INCLUDING CLEARING & GRUBBING.
3. ALL STORM SEWER INLETS SHALL HAVE INLET PROTECTION TYPE-D INSTALLED UPON INLET INSTALLATION.
4. ADDITIONAL EROSION CONTROL MEASURES MAY BE ADDED ON AN AS-NEEDED BASIS.
5. ANY AREAS WHERE GRADING IS COMPLETE SHALL BE STABILIZED WITH FERTILIZER, SEED, & MULCH AS SOON AS POSSIBLE.
6. A COPY OF THIS EROSION CONTROL PLAN SHALL BE KEPT ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
7. STOCKPILES LEFT INACTIVE FOR 7 DAYS SHALL BE SEEDED AND SURROUNDED BY SILT FENCE.
8. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED BY RUNOFF INTO RECEIVING CHANNEL.
9. STREETS SHALL BE SWEEPED AT THE END OF EACH WORK DAY OR AS DIRECTED BY THE MUNICIPALITY.
10. TRACKING PADS SHALL BE USED AT THE CONSTRUCTION ENTRANCE AND EXITS.
11. ALTHOUGH ROCK CONSTRUCTION TRACKING PADS MAY NOT BE SHOWN ON THE PLANS, THE CONTRACTOR SHALL INSTALL THEM AS NECESSARY OR AS DIRECTED BY THE ENGINEER TO MINIMIZE TRACKING ONTO ADJACENT STREETS. THESE PADS ARE CONSIDERED INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.
12. CONTRACTOR WILL BE RESPONSIBLE FOR ALL DUST CONTROL.
13. POSITIVE DRAINAGE AWAY FROM THE BUILDING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE CONFIRMED BY THE ENGINEER.
14. DOWN SPOUTS SHALL BE DIRECTED IN A SAFE MANNER AND COMPLY WITH ALL LOCAL AND STATE REGULATIONS.
15. SEDIMENT WILL BE REMOVED FROM BEHIND SEDIMENT FENCES AND BARRIERS BEFORE IT REACHES A DEPTH THAT IS EQUAL TO HALF THE BARRIER'S HEIGHT.
16. BREAKS AND GAPS IN SEDIMENT FENCES AND BARRIERS WILL BE REPAIRED IMMEDIATELY.
17. ALL SEDIMENT THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS WILL BE CLEANED UP BEFORE THE END OF THE SAME WORKDAY.
18. ALL INSTALLED EROSION CONTROL PRACTICES WILL BE MAINTAINED UNTIL THE DISTURBED AREAS THEY PROTECT ARE STABILIZED.

EXISTING LINETYPES LEGEND

- San — SANITARY SEWER
- ST — STORM SEWER
- WM — WATER MAIN
- FM — FORCE MAIN
- E — ELECTRIC
- OE — OVERHEAD ELECTRIC
- GAS — GAS
- FO — FIBER OPTIC
- T — TELEPHONE
- TV — TV
- X — X — X — X — FENCE
- GL — GL — GL — GRADING LIMITS
- SF — SF — SF — SILT FENCE
- DB — DB — DB — DOUBLE SEDIMENT BARRIER
- ||||| TRAIN TRACKS
- ~~~~~ TREELINE

SYMBOLS LEGEND

- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING HYDRANT
- PROPOSED HYDRANT
- VALVE
- CURB STOP
- TRACER WIRE TERMINAL BOX
- WELL
- PROPERTY CORNER
- LIGHT POLE
- POWER / TELEPHONE POLE
- GUY WIRE
- UTILITY PEDESTAL
- SIGN
- SOIL BORING
- MONITORING WELL
- MAILBOX
- POTENTIAL HAZARD
- BENCHMARK
- CONTROL POINT
- DECIDUOUS TREE
- CONIFEROUS TREE
- HANDICAP SYMBOL

ABBREVIATION LIST

- B-B = BACK TO BACK
- BOC = BACK OF CURB
- BOP = BOTTOM OF PIPE
- BOW = BOTTOM OF WALL
- C-C = CENTER TO CENTER
- CL = CENTERLINE
- CP = CONTROL POINT
- DIA = DIAMETER
- ELEV = ELEVATION
- EOG = EDGE OF GRAVEL
- EOP = EDGE OF PAVEMENT
- EX = EXISTING
- FL = FLOW LINE
- FM = FORCE MAIN
- HC = HORIZONTAL CURVE
- HP = HIGH POINT
- IE = INVERT ELEVATION
- INL = INLET
- INV = INVERT
- IOS = INSIDE OF STRUCTURE
- L = LENGTH
- LN = LINE
- LP = LOW POINT
- MH = MANHOLE
- MIN = MINIMUM
- MP = MIDPOINT
- PC = POINT OF CURVE
- PI = POINT OF INTERSECTION
- PRO = PROPOSED
- PT = POINT OF TANGENT
- PVC = POINT OF VERTICAL CURVE
- PVI = POINT OF VERTICAL INTERSECTION
- PVMT = PAVEMENT
- PVT = POINT OF VERTICAL TANGENT
- R = RADIUS
- ROW = RIGHT OF WAY
- S = SANITARY SEWER SERVICE LATERAL
- SAN = SANITARY SEWER
- SE = SPOT ELEVATION
- ST = STORM SEWER
- STA = STATION
- STD = STANDARD
- TC = TOP OF CURB
- TOP = TOP OF PIPE
- TOW = TOP OF WALL
- TYP = TYPICAL
- UOS = UNLESS OTHERWISE SPECIFIED
- VC = VERTICAL CURVE
- W = WATER MAIN SERVICE LATERAL
- WM = WATER MAIN

DIGGERS HOTLINE NOTE

DIAL 811 or 1-800-242-8511

To Obtain Location of Participating Underground Facilities Before You Dig in Wisconsin
Wis Statute 182.0175 (1974)
Requires Min. 3 Work Days Notice Before You Excavate

OWNER

LSRE WATERTOWN LLC
1727 S CHURCH STREET,
WATERTOWN, WI 53094

UTILITIES

- 1. ELECTRIC**
WE ENERGIES
315 WILLIAMS STREET
WATERTOWN, WI 53094
PHONE: (920) 262-6832
- 2. TELEPHONE**
SBC BUSINESS COMM. SERVICES
2005 PEWAUKEE RD
WAUKESHA, WI 53188
PHONE: (800) 480-8088
- 3. GAS**
WE ENERGIES
315 WILLIAMS STREET
WATERTOWN, WI 53094
PHONE: (920) 262-6832
- 4. CABLE TV**
CHARTER COMMUNICATIONS
2701 DANIELS STREET
MADISON, WI 53718
PHONE: (608) 274-3822
- 5. WATER**
WATERTOWN WATER DEPARTMENT
800 HOFFMAN DRIVE
WATERTOWN, WI 53094
PHONE: (608) 837-5500
- 6. MUNICIPALITY**
CITY OF WATERTOWN
106 JONES STREET P.O. BOX 477
WATERTOWN, WI 53094
PHONE: (920) 262-4000



General Engineering Company
P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential information for the use of the City of Watertown. It is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

LEGEND & NOTES
TOMMY'S CAR WASH
LSRE WATERTOWN LLC

CITY OF WATERTOWN
JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

SCALE

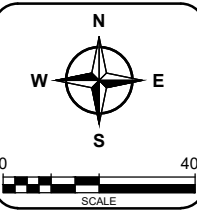
DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	0177
SHEET NO.	9



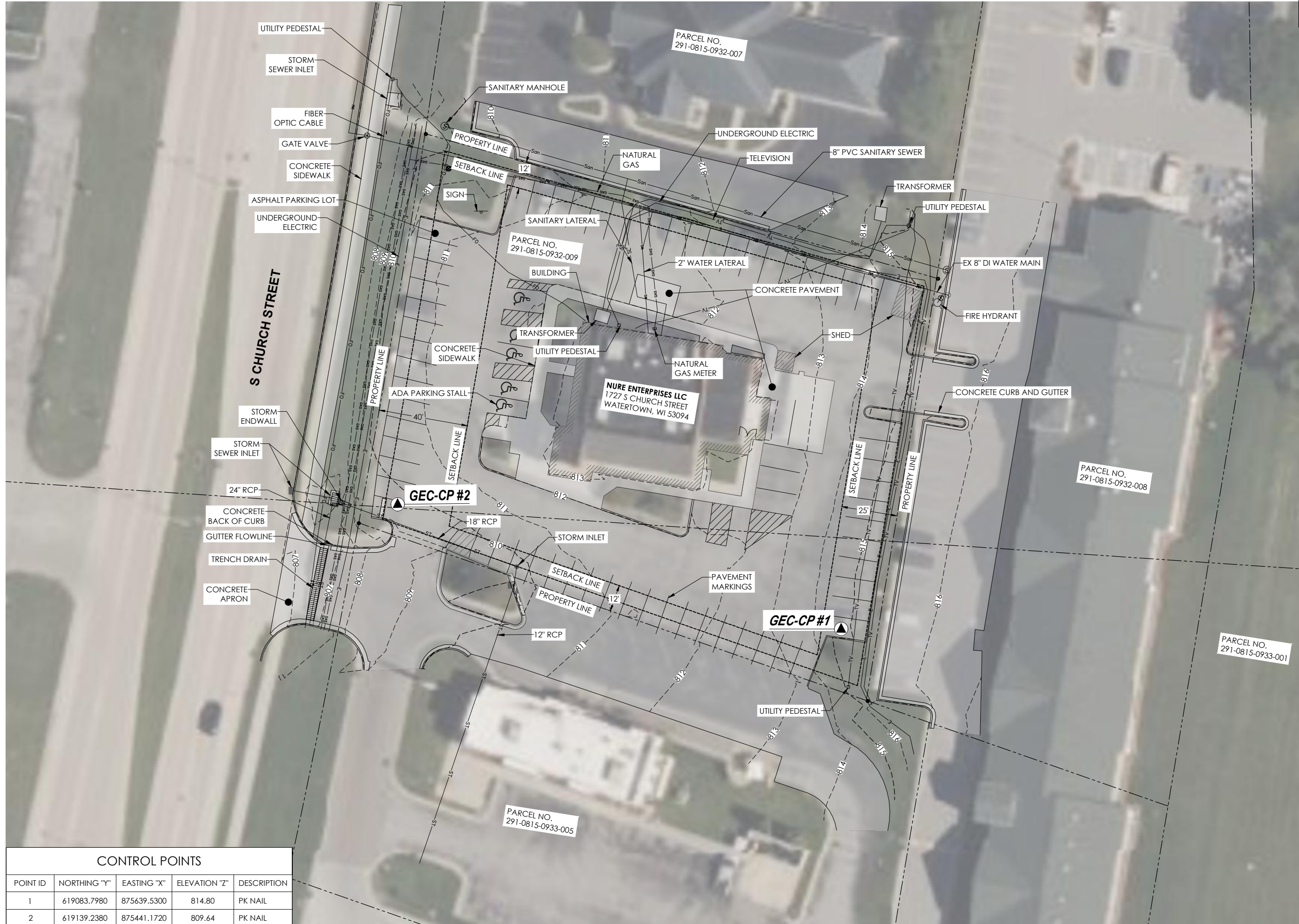
General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

EXISTING SITE PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE



DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 17
 SHEET NO.: 10



G:\Current Files L-QL\LSRE Watertown - Tommy's Car Wash\CAD 01-25000-6772_CIVIL\Production Drawings\1_Bid Plan Sets\1_C1.0_ESP_01-25000-677.dwg, 2021-TB-Narrow, 2/17/2026 1:36:35 PM

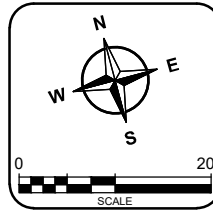
CONTROL POINTS				
POINT ID	NORTHING "Y"	EASTING "X"	ELEVATION "Z"	DESCRIPTION
1	619083.7980	875639.5300	814.80	PK NAIL
2	619139.2380	875441.1720	809.64	PK NAIL

General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net

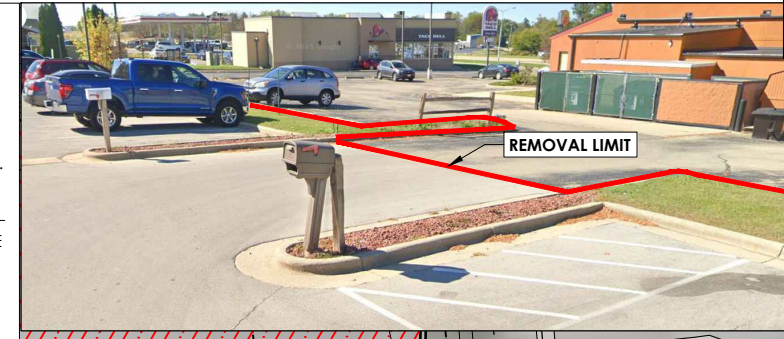
This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

REMOVAL PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

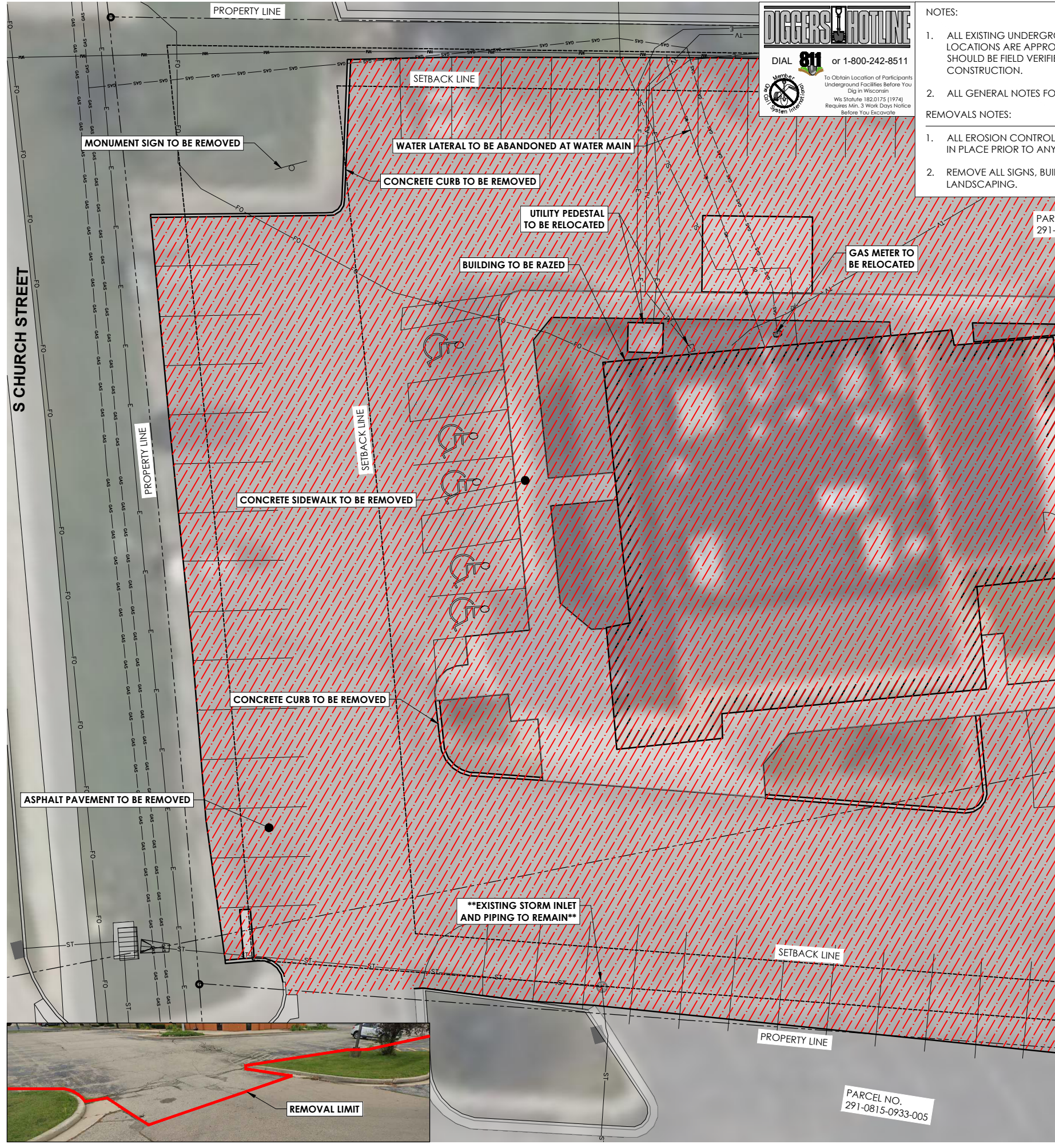


DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 17
 SHEET NO.: 11
C2.0



DIGGERS HOTLINE
 DIAL 811 or 1-800-242-8511
 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
 Wis Statute 182.0175 (1974)
 Requires Min. 3 Work Days Notice Before You Excavate

- NOTES:
- ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 - ALL GENERAL NOTES FOUND ON SHEET G1.1.
- REMOVALS NOTES:
- ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION.
 - REMOVE ALL SIGNS, BUILDINGS, AND LANDSCAPING.





General Engineering Company

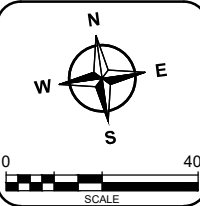
P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

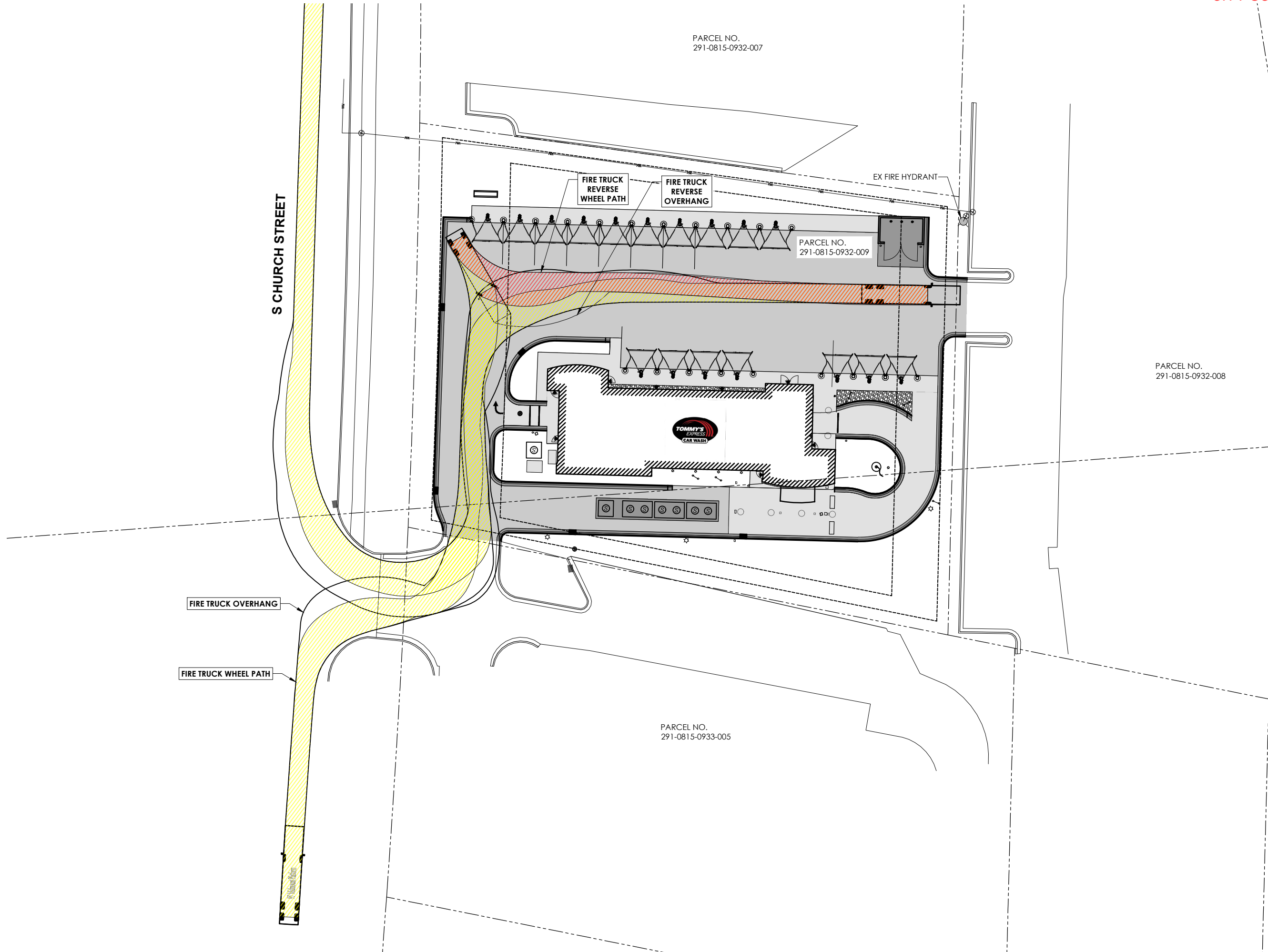
**PROPOSED SITE PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC**

CITY OF WATERTOWN
JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE



DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	7
SHEET NO.	13



G:\Current Files L-QL\LSRE Watertown, LLC\01-25000-677 LSRE Watertown - Tommys Car Wash\CAD 01-25000-677\2_CIVIL\Production Drawings\1_Bid Plan Sets\1_C3.0_PSP_01-25000-677.dwg, C3.1, 2/18/2026 11:25:09 AM

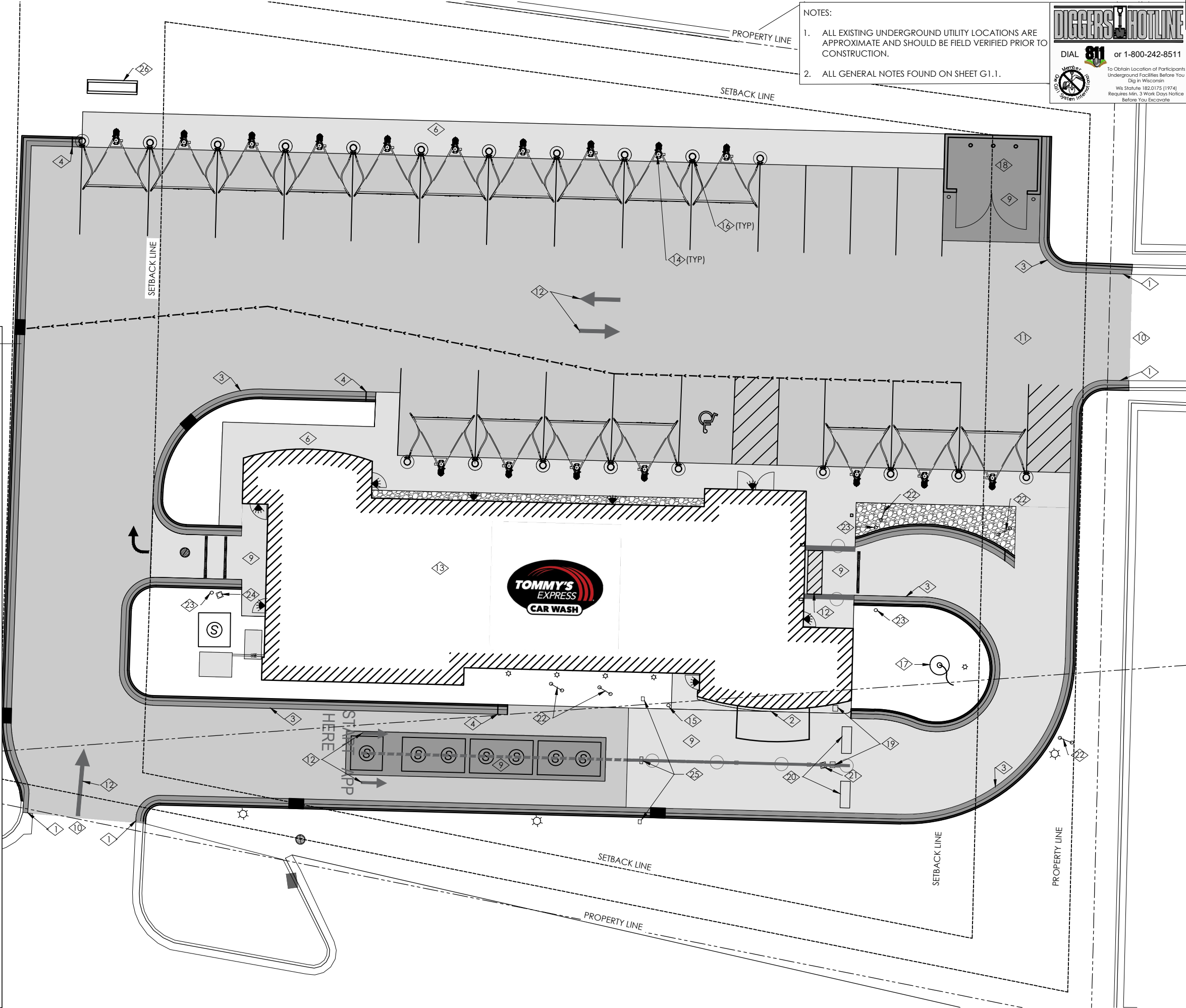
DIGGERS HOTLINE
 DIAL 811 or 1-800-242-8511
 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
 Wis Statute 182.0175 (1974) Requires Min. 3 Work Days Notice Before You Excavate

- NOTES:
1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. ALL GENERAL NOTES FOUND ON SHEET G1.1.

General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
 This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

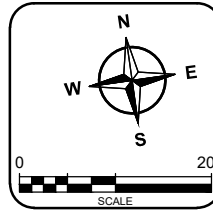
S CHURCH STREET

- SITE NOTES:
1. MATCH EXISTING CONCRETE CURB.
 2. 6" CHAMFERED CONCRETE CURB, TYP.
 3. 24" CONCRETE CURB, TYP. (SEE GRADING PLAN FOR TYPES AND LOCATIONS)
 4. CURB TAPER, TYP.
 5. MATCH EXISTING CONCRETE SIDEWALK.
 6. CONCRETE SIDEWALK, TYP. (SEE PLAN FOR WIDTHS)
 7. THICKENED EDGE SIDEWALK, TYP. (SEE PLAN FOR WIDTHS)
 8. MATCH EXISTING CONCRETE PAVING.
 9. CONCRETE PAVING, TYP.
 10. MATCH EXISTING ASPHALT PAVING.
 11. ASPHALT PAVING, TYP.
 12. PAVEMENT MARKING.
 13. PROPOSED BUILDING.
 14. VACUUM & CANOPY STANCHION. (PROVIDED BY OWNER AND INSTALLED BY G.C.)
 15. CRASH BOLLARD, TYP.
 16. RED BALL VACUUM HOSE HOLDER (PROVIDED BY OWNER AND INSTALLED BY G.C.)
 17. FLAGPOLE.
 18. DUMPSTER ENCLOSURE w/CRASH BOLLARDS. (SEE ARCHITECTURAL PLANS)
 19. GATE (SEE ARCHITECTURAL PLANS)
 20. GATE SENSING LOOP (COORDINATE WITH ELECTRICIAN.)
 21. SIGNAGE - APPROVE / GO LIGHT (SEE ARCHITECTURAL PLANS)
 22. SIGNAGE - U-SHAPED SNAP SIGN (SEE ARCHITECTURAL PLANS)
 23. CAMERA POLE (SEE ARCHITECTURAL PLANS)
 24. SIGNAGE - RELAX / GO LIGHT (SEE ARCHITECTURAL PLANS)
 25. LICENSE PLATE READER (SEE ARCHITECTURAL PLANS)
 26. MONUMENT SIGN

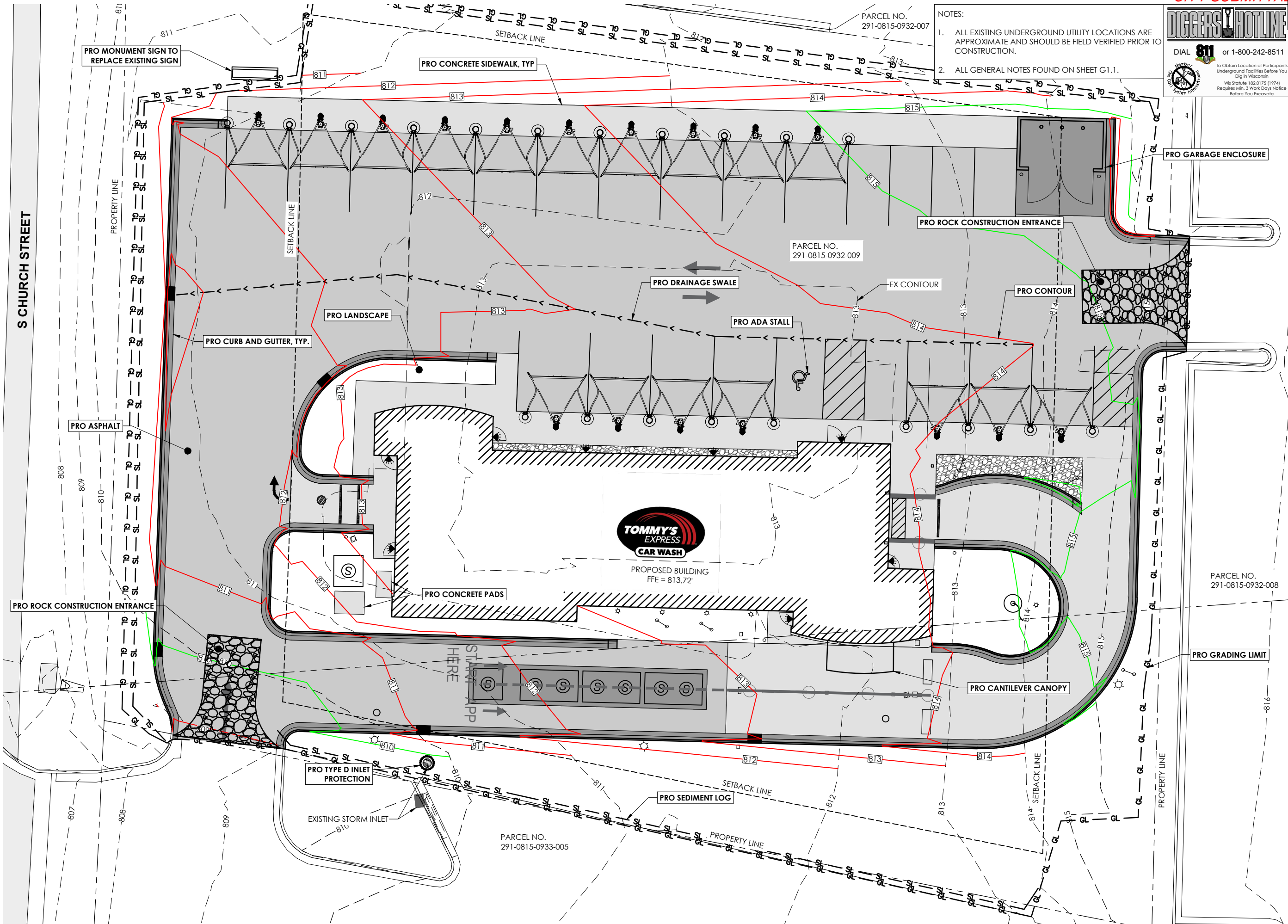


PROPOSED SITE PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE



DRAWN BY MME
 REVIEWED BY KDA
 ISSUE DATE 02/20/2025
 GEC FILE NO. 01-25000-677
 SHEET NO. 14
C3.1



NOTES:
 1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. ALL GENERAL NOTES FOUND ON SHEET G1.1.

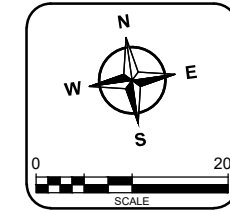
DIGGERS HOTLINE
 DIAL 811 or 1-800-242-8511
 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
 Wis Statute 182.0175 (1974)
 Requires Min. 3 Work Days Notice Before You Excavate

Section 3, Item A.

General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential information. Information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

PROPOSED GRADING PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE



DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2025
 GEC FILE NO.: 77
 SHEET NO.: 15

G:\Current Files L-QLSRE Watertown - Tommys Car Wash\CAD 01-25000-6772_CIVIL\Production Drawings\1_Bid Plan Sets\1_C5.0_PSE_01-25000-677.dwg, C5.1, 2/18/2026 10:59:50 AM

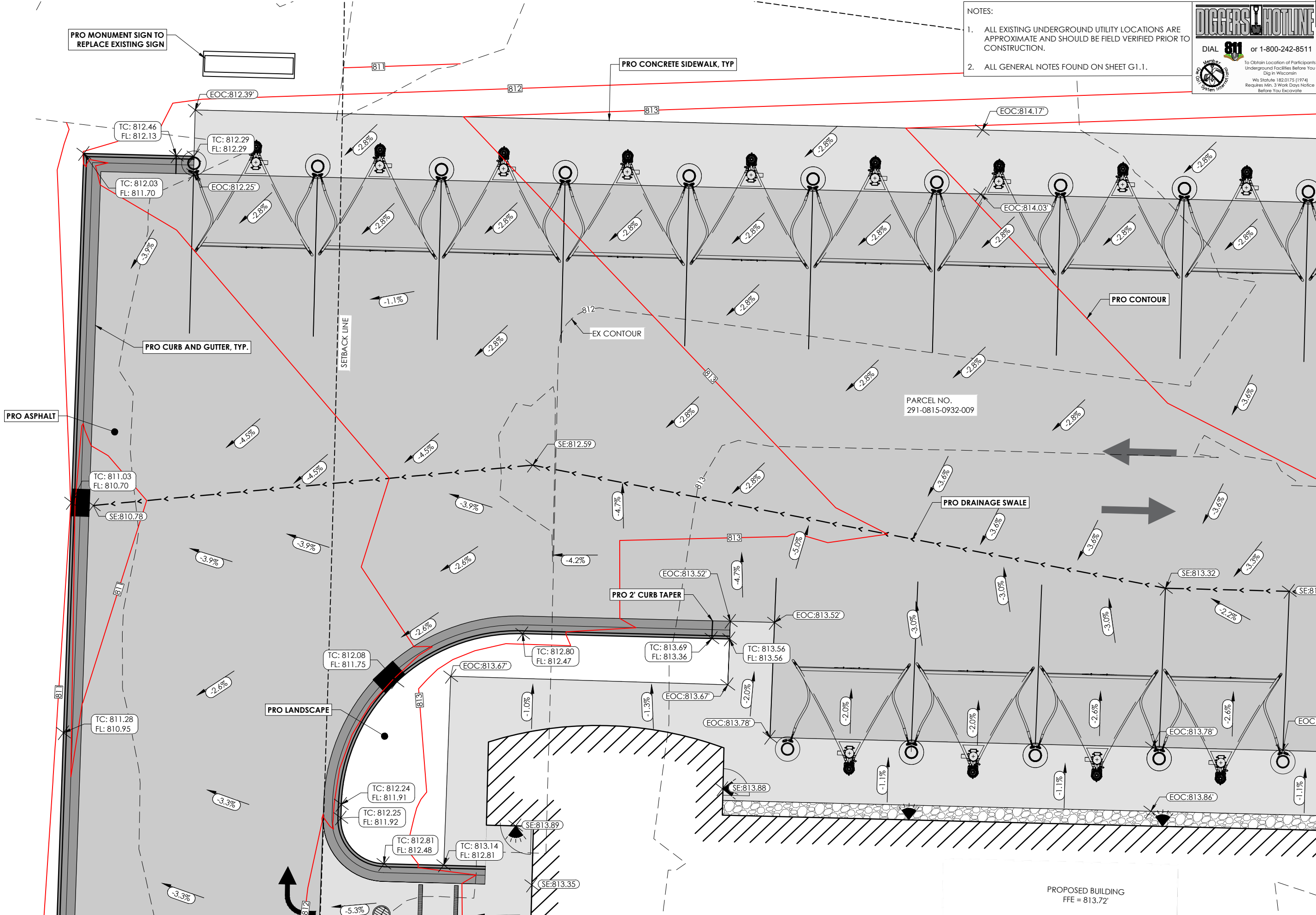
DIGGERS HOTLINE
 DIAL 811 or 1-800-242-8511
 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
 Wis Statute 182.0175 (1974)
 Requires Min. 3 Work Days Notice Before You Excavate

- NOTES:
1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. ALL GENERAL NOTES FOUND ON SHEET G1.1.

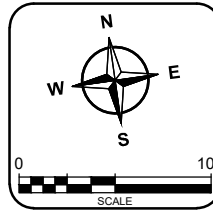
General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net

This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

PROPOSED SPOT ELEVATION PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI



NO.	DATE	BY	REVISIONS



DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2025
 GEC FILE NO.: 17
 SHEET NO.: 17
C5.1

PROPOSED BUILDING
 FFE = 813.72'

G:\Current Files\LSRE Watertown - Tommys Car Wash\CAD 01-25000-677\LSRE Watertown - Tommys Car Wash\CAD 01-25000-677.dwg, C5.3, 2/18/2026 11:01:37 AM

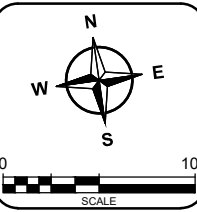
DIGGERS HOTLINE
 DIAL 811 or 1-800-242-8511
 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
 Wis Statute 182.0175 (1974)
 Requires Min. 3 Work Days Notice Before You Excavate

- NOTES:
1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. ALL GENERAL NOTES FOUND ON SHEET G1.1.

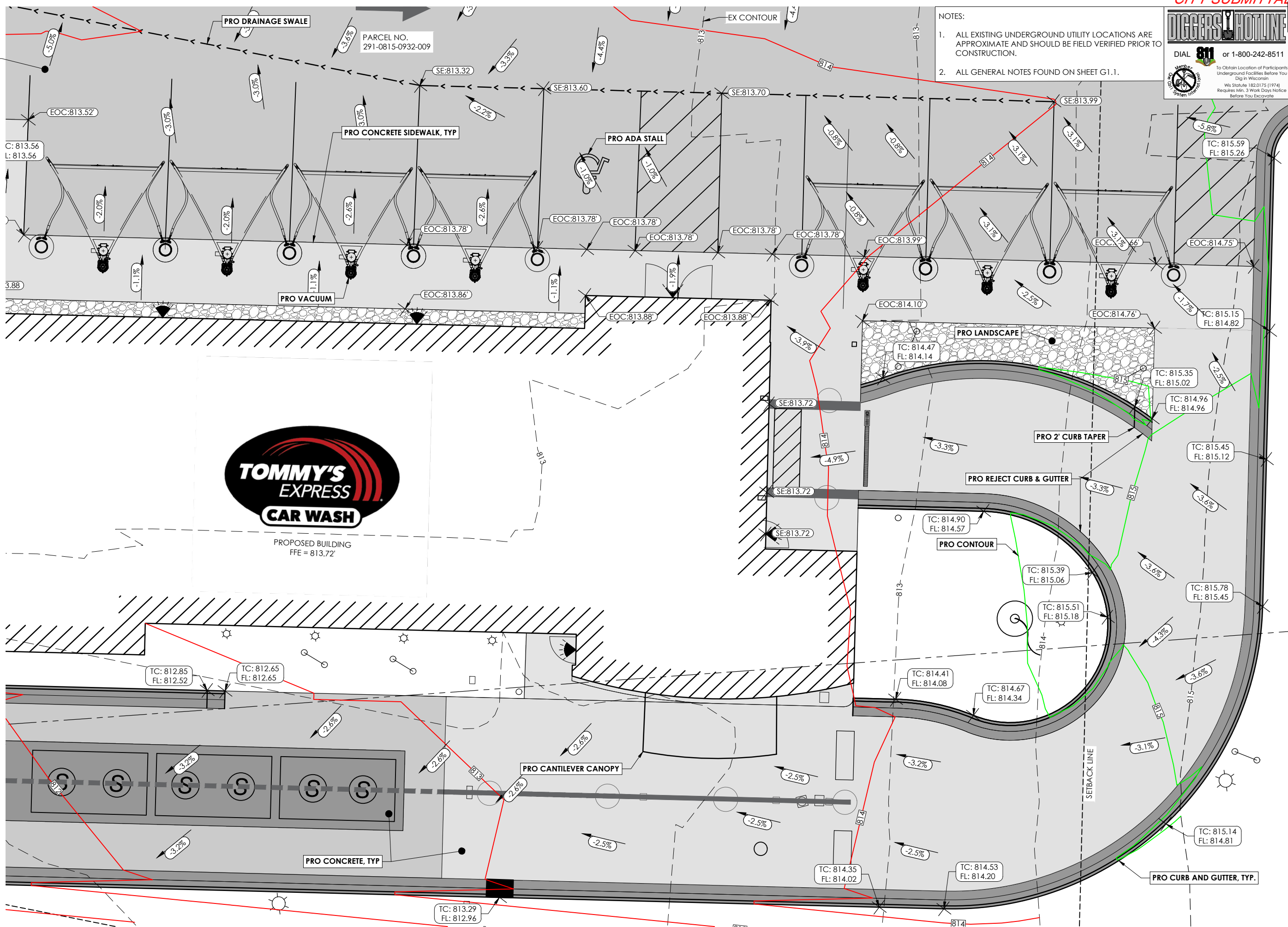
General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net

PROPOSED SPOT ELEVATION PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

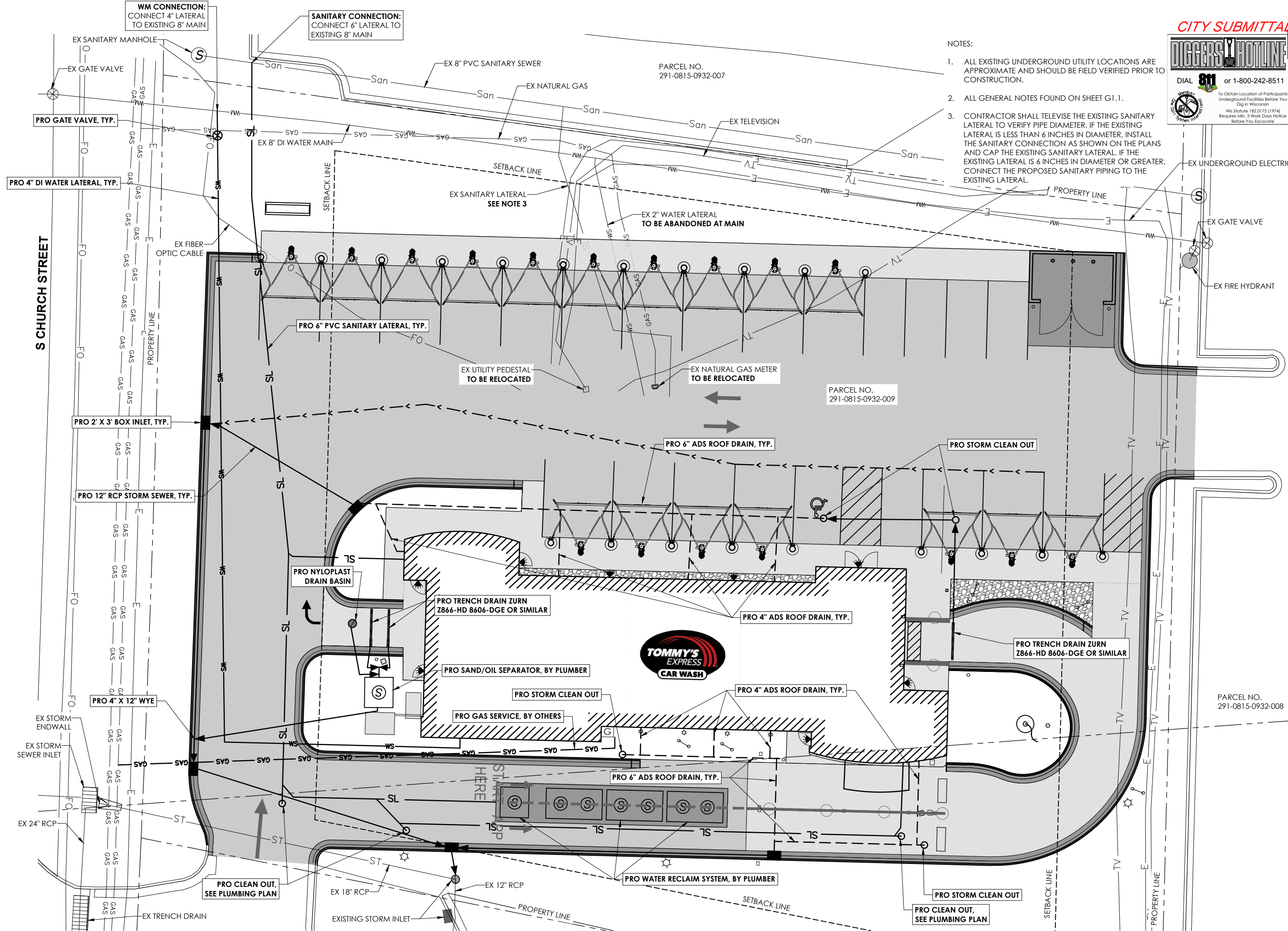
REVISIONS	NO.	BY	DATE



DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2025
 GEC FILE NO.: 19
 SHEET NO.: 19



PROPOSED BUILDING
 FFE = 813.72'



- NOTES:
1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. ALL GENERAL NOTES FOUND ON SHEET G1.1.
 3. CONTRACTOR SHALL TELEVIEW THE EXISTING SANITARY LATERAL TO VERIFY PIPE DIAMETER. IF THE EXISTING LATERAL IS LESS THAN 6 INCHES IN DIAMETER, INSTALL THE SANITARY CONNECTION AS SHOWN ON THE PLANS AND CAP THE EXISTING SANITARY LATERAL. IF THE EXISTING LATERAL IS 6 INCHES IN DIAMETER OR GREATER, CONNECT THE PROPOSED SANITARY PIPING TO THE EXISTING LATERAL.

CITY SUBMITTAL

DIGGERS HOTLINE

DIAL 811 or 1-800-242-8511

To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
Wis Statute 182.0175 (1974)
Requires Min. 3 Work Days Notice Before You Excavate

Section 3, Item A.

General Engineering Company

P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential information. Information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

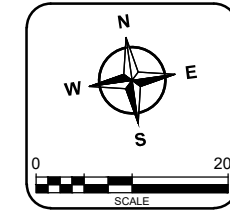
PROPOSED UTILITY PLAN

TOMMY'S CAR WASH

LSRE WATERTOWN LLC

CITY OF WATERTOWN
JEFFERSON COUNTY, WI

NO.	DATE	BY	REVISIONS



DRAWN BY: MME
REVIEWED BY: KDA
ISSUE DATE: 02/20/2025
GEC FILE NO.: 17
SHEET NO.: 20

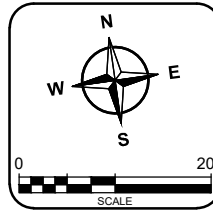
C6.0



General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

PROPOSED STORM SEWER PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE



DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2025
GEC FILE NO.	17
SHEET NO.	21

- NOTES:
1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. ALL GENERAL NOTES FOUND ON SHEET G1.1.

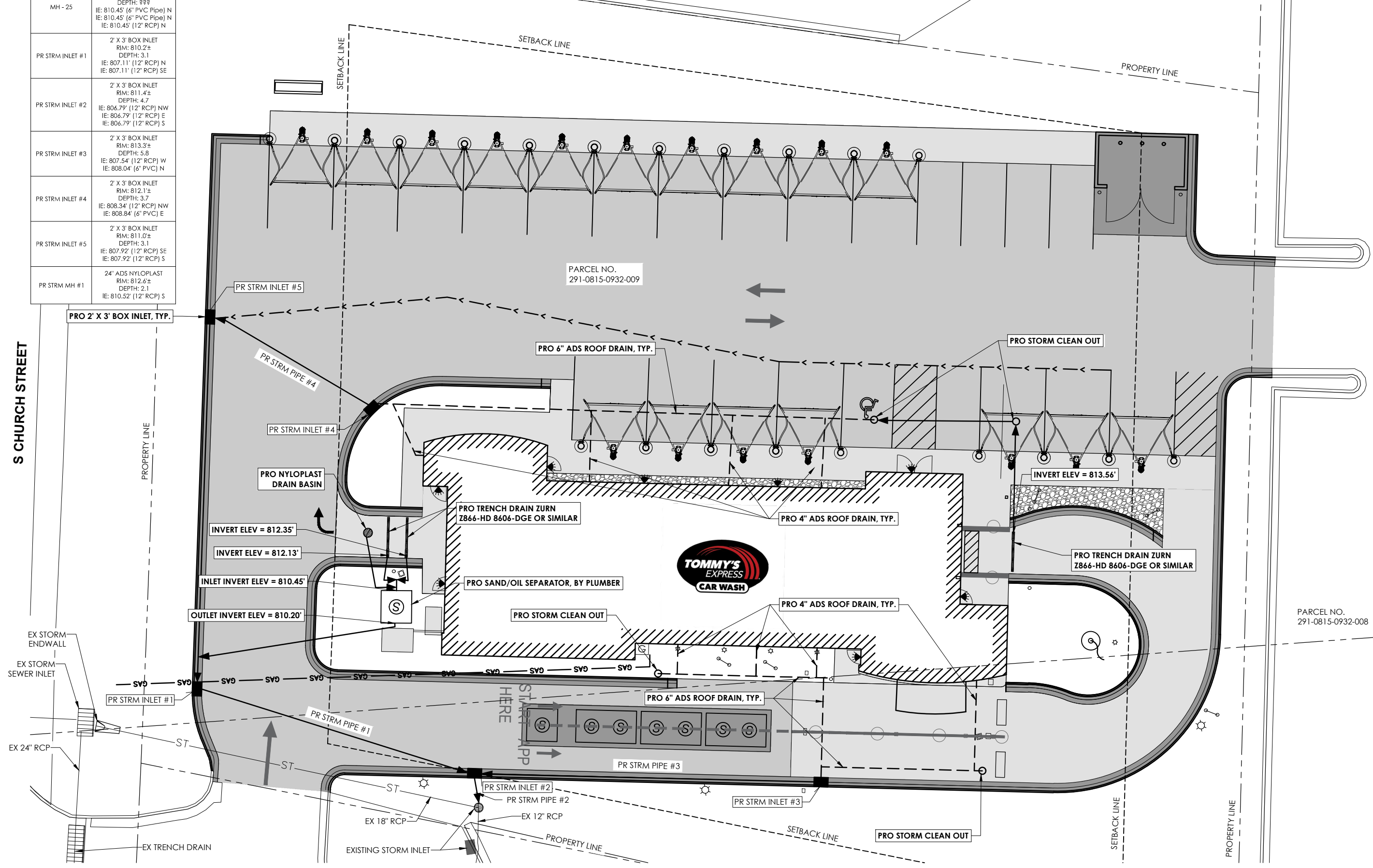
STRUCTURE TABLE		PIPE TABLE						
STRUCTURE NAME	STRUCTURE DETAILS	PIPE NAME	TYPE	SIZE	LENGTH	SLOPE	INVERT 1	INVERT 2
EX STRM MH	4' ID PRECAST RIM: 809.4'± DEPTH: 2.7' IE: 806.68' (12" RCP) N IE: 806.68' (12" RCP) S IE: 806.68' (18" RCP) W	PR STRM PIPE #1	RCP	12"	63.8'	0.50%	807.11	806.79
		PR STRM PIPE #2	RCP	12"	6.5'	1.70%	806.79	806.68
		PR STRM PIPE #3	RCP	12"	74.7'	1.00%	806.79	807.54
		PR STRM PIPE #4	RCP	12"	41.9'	1.00%	808.34	807.92
MH - 25	Null Structure RIM: 812.9'± DEPTH: 9.9' IE: 810.45' (6" PVC Pipe) N IE: 810.45' (6" PVC Pipe) E IE: 810.45' (12" RCP) N	PR STRM PIPE #5	RCP	12"	80.2'	1.00%	807.92	807.11
PR STRM INLET #1	2' X 3' BOX INLET RIM: 810.2'± DEPTH: 3.1' IE: 807.11' (12" RCP) N IE: 807.11' (12" RCP) SE							
PR STRM INLET #2	2' X 3' BOX INLET RIM: 811.4'± DEPTH: 4.7' IE: 806.79' (12" RCP) NW IE: 806.79' (12" RCP) E IE: 806.79' (12" RCP) S							
PR STRM INLET #3	2' X 3' BOX INLET RIM: 813.3'± DEPTH: 5.8' IE: 807.54' (12" RCP) W IE: 808.04' (6" PVC) N							
PR STRM INLET #4	2' X 3' BOX INLET RIM: 812.1'± DEPTH: 3.7' IE: 808.34' (12" RCP) NW IE: 808.84' (6" PVC) E							
PR STRM INLET #5	2' X 3' BOX INLET RIM: 811.0'± DEPTH: 3.1' IE: 807.92' (12" RCP) SE IE: 807.92' (12" RCP) S							
PR STRM MH #1	24" ADS NYLOPLAST RIM: 812.6'± DEPTH: 2.1' IE: 810.52' (12" RCP) S							

PARCEL NO.
291-0815-0932-007

PARCEL NO.
291-0815-0932-009

PARCEL NO.
291-0815-0932-008

S CHURCH STREET



G:\Current Files L-QLSRE Watertown, WI\25000-677 LSRE Watertown - Tommys Car Wash\CAD 01-25000-6772_CIVIL\Production Drawings\1_Bid Plan Sets\1_CS_0_PUP_01-25000-677.dwg; C6.1, 2/18/2026 1:05:27 PM



General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

INSTALLATION:
 PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND THE PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO A LEVEL 6" ABOVE THE PIPE.

BEDDING AND COVER:
 CLASS IA - CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

CLASS IB - CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 200	0-5

CLASS II - CLEAN COARSE-GRAINED SOILS CLASSIFIED IN ASTM D2487 AS GW, GP, SW, SP.
 CLASS III - COARSE-GRAINED SOILS WITH FINES CLASSIFIED IN ASTM D2487 AS GM, GC, SM, SC.

PIPE BEDDING AND TRENCH

SIDE VIEW **FRONT VIEW**

STANDARD GATE VALVE BOX SETTING

WATER MAIN DETAILS

BEDDING AND COVER MATERIAL:
 CLASS IA: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

CLASS IB: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

CLASS II: SAND, GRAVELS, AND SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES. SOIL TYPES GW, GP, SW, AND SP.
 CLASS III: SILTY OR CLAYEY SANDS, GRAVELS, AND SAND-GRAVEL MIXTURES WITH FINES. SOIL TYPES GM, GC, SM, AND SC.

INSTALLATION:
 PLACE AND COMPACT BEDDING AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. COMPACT CLASS IB WITH HAND TAMPER OR VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR, COMPACT CLASS II WITH VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR, COMPACT CLASS III WITH VIBRATORY COMPACTOR TO 90% STANDARD PROCTOR.

PIPE BEDDING AND TRENCH

TRACER WIRE TERMINAL BOX

SANITARY SEWER DETAILS

CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

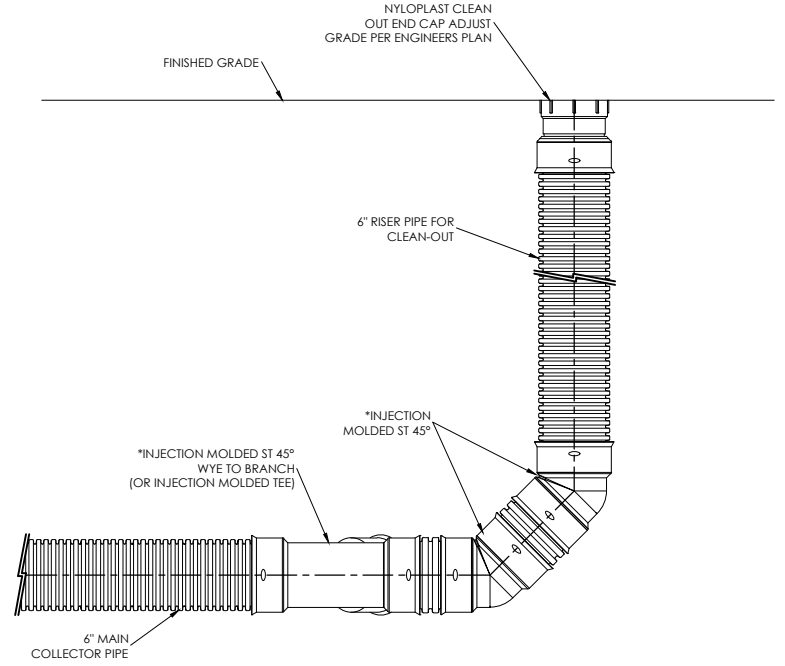
AS NOTED
SCALE

DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 77
 SHEET NO.: 22

G:\Current Files L-QL\LSRE Watertown LLC\01-25000-677 LSRE Watertown - Tommys Car Wash\CAD 01-25000-677\2_CIVIL\Production Drawings\1_Bid Plan Sets\1_C7.0_DT_01-25000-677.dwg, C7.0, 2/18/2026 1:09:49 PM



ADS STANDARD DETAILS DISCLAIMER:
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS STANDARD DETAIL TO DEMONSTRATE ADS' RECOMMENDED INSTALLATION OF ITS PRODUCTS FOR THE DEPICTED APPLICATION. IN ADDITION TO ADS' RECOMMENDATIONS, THERE MAY BE OTHER NATIONAL, STATE OR LOCAL SPECIFICATIONS THAT ARE PERTINENT TO THIS APPLICATION. ADS' STANDARD DETAIL IS NOT INTENDED TO SUPERSEDE ANY NATIONAL, STATE OR LOCAL SPECIFICATIONS, AND ADS RECOMMENDS THAT THOSE REQUIREMENTS BE REVIEWED AND CONSULTED PRIOR TO THE INSTALLATION OF ADS' PRODUCTS. ADS HAS NOT AUTHORIZED, AND IT BEARS NO RESPONSIBILITY FOR, ANY REVISIONS, ALTERATIONS OR DEVIATIONS FROM THIS STANDARD DETAIL."



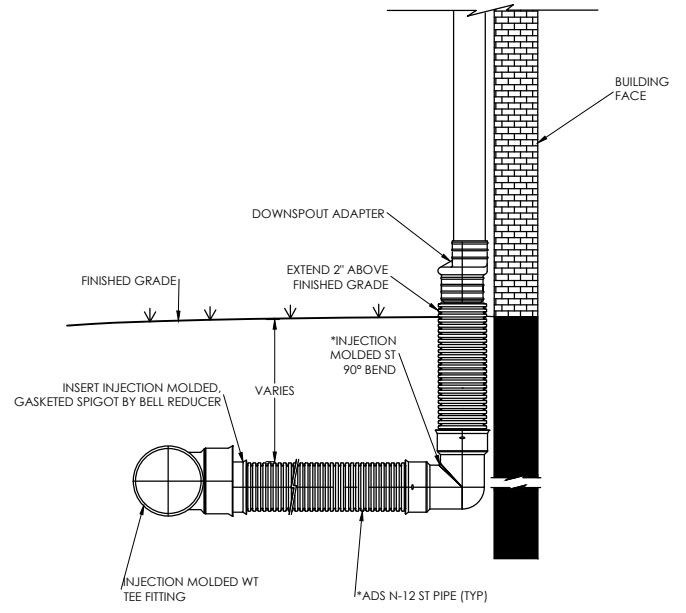
ADS CLEAN-OUT DETAIL

NOTES:
* INJECTION MOLDED FITTINGS ARE AVAILABLE IN TEES, WYES, REDUCERS, 45° BENDS AND BELL/BELL COUPLERS.
* WT INJECTION MOLDED FITTINGS AND WT PIPE CAN BE SUBSTITUTED FOR WATER TIGHT APPLICATIONS

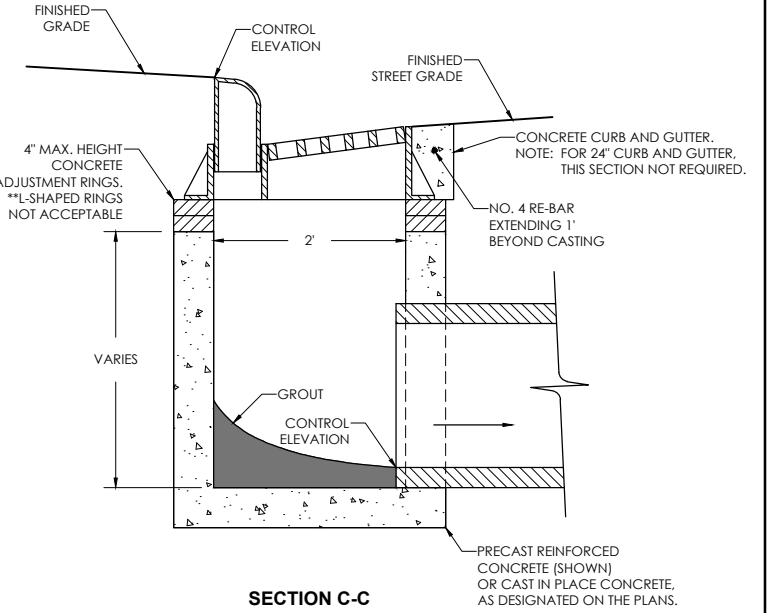
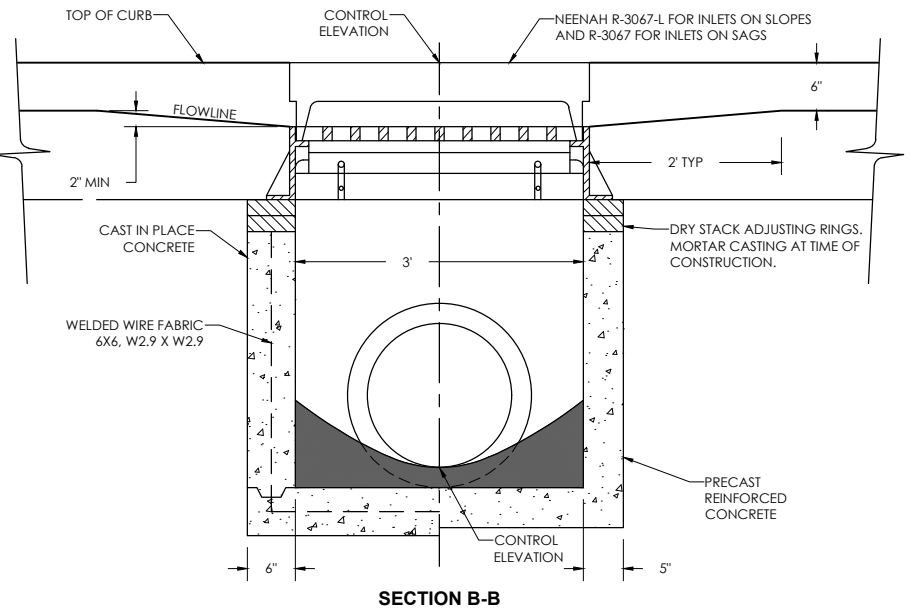
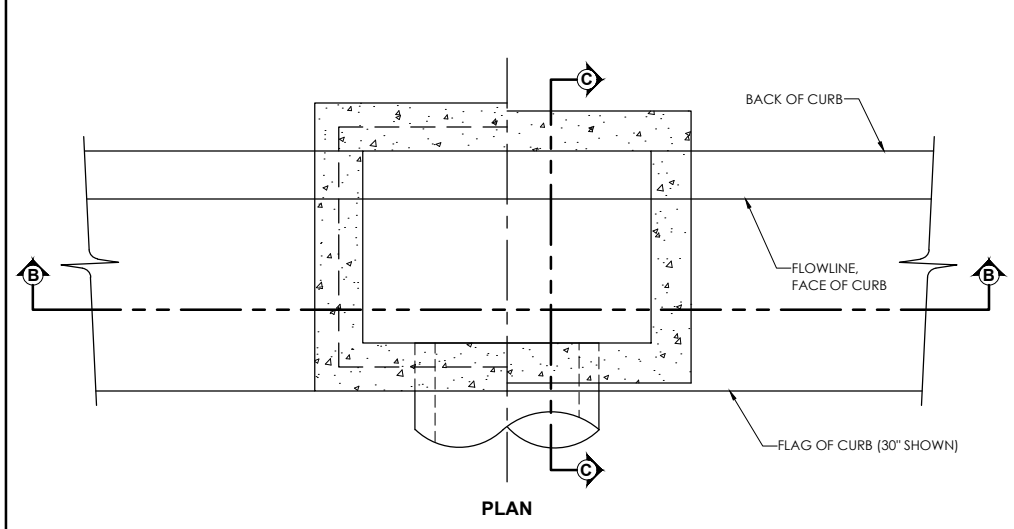
CONSTRUCTION NOTES:
* BUILDING DOWNSPOUTS SHALL BE CONNECTED TO THE COLLECTION SYSTEM ABOVE GRADE.
* DOWNSPOUT COLLECTORS SHALL DOUBLE AS CLEAN OUTS & SHALL BE SPACED NO MORE THAN 100' APART.



ADS STANDARD DETAILS DISCLAIMER:
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS STANDARD DETAIL TO DEMONSTRATE ADS' RECOMMENDED INSTALLATION OF ITS PRODUCTS FOR THE DEPICTED APPLICATION. IN ADDITION TO ADS' RECOMMENDATIONS, THERE MAY BE OTHER NATIONAL, STATE OR LOCAL SPECIFICATIONS THAT ARE PERTINENT TO THIS APPLICATION. ADS' STANDARD DETAIL IS NOT INTENDED TO SUPERSEDE ANY NATIONAL, STATE OR LOCAL SPECIFICATIONS, AND ADS RECOMMENDS THAT THOSE REQUIREMENTS BE REVIEWED AND CONSULTED PRIOR TO THE INSTALLATION OF ADS' PRODUCTS. ADS HAS NOT AUTHORIZED, AND IT BEARS NO RESPONSIBILITY FOR, ANY REVISIONS, ALTERATIONS OR DEVIATIONS FROM THIS STANDARD DETAIL."



ADS DOWNSPOUT COLLECTION DETAIL



2'x3' CURB INLET

BEDDING AND COVER MATERIAL:

CLASS IA: CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

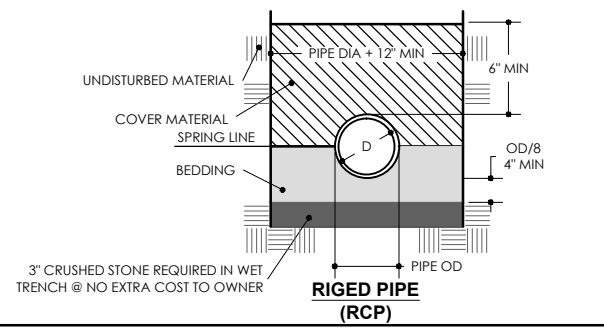
CLASS IB: CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 200	0-5

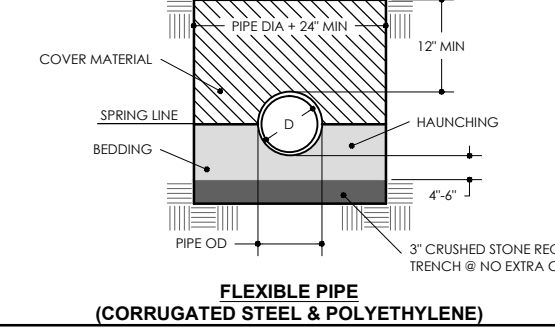
CLASS II: CLEAN COARSE-GRAINED SOILS CLASSIFIED IN ASTM D2487 AS GW, GP, SW, SP.

CLASS III: COARSE-GRAINED SOILS WITH FINES CLASSIFIED IN ASTM D2487 AS GM, GC, SM, SC.

INSTALLATION:
PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND THE PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO A LEVEL 6" ABOVE THE PIPE.



INSTALLATION:
PLACE AND COMPACT BEDDING MATERIAL AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. COMPACT CLASS IB WITH HAND TAMPER OR VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR.



BEDDING AND COVER MATERIAL:

CLASS IA: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

CLASS IB: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

PIPE BEDDING AND TRENCH

General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net

This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC

CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

NO.	BY	DATE

AS NOTED
SCALE

DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 17
 SHEET NO.: 23

C7.1

G:\Current Files\LSRE Watertown\LSRE Watertown - Tommy's Car Wash\CAD 01-25000-6772_CIVIL\Production Drawings\1_C7.0_DT_01-25000-677.dwg, C7.1, 2/18/2026 1:10:50 PM

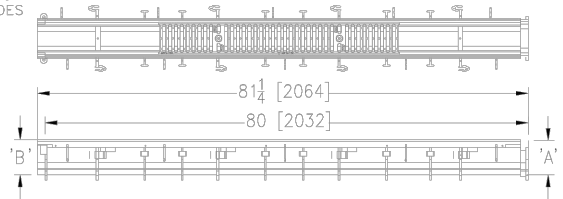
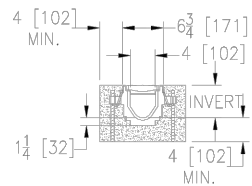


Z886-HD
6-3/4 [171] WIDE REVEAL TRENCH DRAIN SYSTEM
WITH HEAVY-DUTY FRAME ASSEMBLY

SPECIFICATION SHEET
TAG _____

Design and Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice

SPECIFYING ENGINEER IS RESPONSIBLE FOR
CONCRETE ENCASEMENT AND REINFORCING
BASED UPON APPLICATION AND LOCAL CODES



NOTE: + Actual Channel length is 81 1/4 [2064] to allow for overlap.

ENGINEERING SPECIFICATION: Zurn Z886-HD

Channels are 80" [2032 mm] long, 6-3/4" [171 mm] wide reveal and have a 4" [102 mm] throat. Modular channel sections are made of 0% water absorbent High Density Polyethylene (HDPE). Channels have a positive mechanical connection between channel sections that will not separate during the installation and mechanically lock into the concrete surround every 10" [254 mm]. Channels weigh less than 2.31 lbs. [1.05kg] per linear foot, have a smooth, 1-1/2" [38 mm] radiused self cleaning bottom with a Manning's coefficient of .009 and .75% or neutral 0% built in slope. Channels have rebar clips standard to secure trench in its final location. Channels provided with standard DGC grates that lock down to frame. Zurn 5.375" [137 mm] wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536-84, Grade 80-55-06. Ductile Iron grate is rated class C per the DIN EN1433 top load classifications. Supplied in 20" [508 mm] nominal lengths with 1/2" [13 mm] wide slots, and 3/4" [19 mm] bearing depth. Grate has an open area of 28.1 sq. in per ft. [59,463 sq. mm per meter]. The .105" [2.67 mm] thick Heavy-Duty Carbon Steel Frame Assembly conforms to ASTM specification A36 with 10 - 4" [102 mm] long concrete anchors per 80" [2032 mm]. Grate lockdown bars are to be integral to the frame. Frame supplied with powder coated finish. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames produced in the U.S.A.

PREFIX OPTIONS (Check/specify appropriate options)

___ Z Six-foot, Eight-inch High Density Polyethylene (HDPE)*

SUFFIX OPTIONS (Check/specify appropriate options)

Outlet Adapters Add/Each

- ___ E1 Closed End Cap
- ___ E2 2 [51] No-Hub End Outlet
- ___ E3 3 [76] No-Hub End Outlet
- ___ E4 4 [102] No Hub End Outlet
- ___ E6 6 [152] No-Hub End Outlet
- ___ U2 2 [51] No-Hub Bottom Outlet
- ___ U3 3 [76] No-Hub Bottom Outlet
- ___ U4 4 [102] No-Hub Bottom Outlet
- ___ U6 6 [152] No-Hub Bottom Outlet

Frame Options

- ___ CBF Black Acid Resistant Coated Top Frame
- ___ LD Light Duty Grates on Heavy Duty Frame
- ___ SW Sidewall Extension - 9 [229] High
- ___ SW2 Sidewall Extension - 18 [457] High

Grate Options (Load Classifications are per DIN EN1433)

- ___ BDC Black Acid Resistant Epoxy Coated Ductile Grate - Class C
- ___ BDE Black Acid Resistant Epoxy Coated Ductile Grate - Class E
- ___ BG Galvanized Ductile Iron Bar Grate - Class C
- ___ DBG Ductile Iron Cast Bar Grate - Class C
- ___ DC Ductile Iron Solid Cover - Class C
- ___ DGC Ductile Iron Slotted Grate - Class C*
- ___ DGE Ductile Iron Slotted Grate - Class E
- ___ GDC Galvanized Ductile Iron Slotted Grate - Class C
- ___ GDE Galvanized Ductile Iron Slotted Grate - Class E
- ___ GHPDE Galvanized Heel-Proof Ductile Grate - Class E
- ___ HPDE Heel-Proof Ductile Slotted Grate - Class E
- ___ RFGC Reinforced Slotted Galvanized Grate - Class C
- ___ RFSC Reinforced Slotted Stainless Steel Grate - Class C
- ___ RPGC Reinforced Perforated Galvanized Grate - Class C
- ___ RPGRC Reinforced Galvanized Perforated Reverse Punch Anti-Slip Grate - Class C
- ___ RPSC Reinforced Perforated Stainless Steel Grate - Class C
- ___ RPSRC Reinforced Perforated Stainless Steel Reverse Punch Grate - Class C

Miscellaneous Options

- ___ DB Bottom Dome Strainer
- ___ JC Joint Connector
- ___ VP Vandal-Proof Lockdown

* Regularly furnished unless otherwise specified

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

ADVERTENCIA: Cáncer y daño reproductivo - www.P65Warnings.ca.gov

AVERTISSEMENT: Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

Zurn Industries, LLC | Specification Drainage Operation
1801 Pittsburgh Avenue, Erie, PA 16502, Ph. 855.663.9876

In Canada | Zurn Industries Limited
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, Ph. 877.892.5216

www.zurn.com

Decorative Grate Options (Load Classifications are per DIN EN1433)

- ___ DTW Decorative Tidal Wave Grate - Class C
- ___ SBG Stainless Steel Bar Grate - Class E

MADE in the U.S.A. (Load Classifications are per DIN EN 1433)

- ___ BDE-USA Black Acid Resistant Epoxy Coated Ductile Grate - Class E
- ___ DGC-USA Ductile Iron Slotted Grate-Class C
- ___ DGE-USA Ductile Iron Slotted Grate-Class E
- ___ GDC-USA Galvanized Ductile Slotted Grate - Class C
- ___ GDE-USA Galvanized Ductile Slotted Grate - Class E
- ___ GHPDE-USA Galvanized Heel-Proof Ductile Grate - Class E
- ___ HPDE-USA Heel-Proof Ductile Slotted Grate - Class E
- ___ PPC Plastic Perforated Grate - Class B

Trench No.	Flow		Flow		
	'A' Shallow Inv.	'B' Deep Inv.	(cfs)	(gpm)	(lps)
8601	3.50 [89]	4.10 [104]	0.21	93	6
8602	4.10 [104]	4.70 [119]	0.27	122	8
8603	4.70 [119]	5.30 [135]	0.34	152	10
8603N	5.30 [135]	5.90 [150]	-	-	-
8604	5.30 [135]	5.90 [150]	0.41	183	12
8605	5.90 [150]	6.50 [165]	0.48	214	13
8606	6.50 [165]	7.10 [180]	0.55	245	15
8606N	7.10 [180]	7.10 [180]	-	-	-
8607	7.10 [180]	7.70 [196]	0.62	276	17
8608	7.70 [196]	8.30 [211]	0.69	308	19
8609	8.30 [211]	8.90 [226]	0.76	339	21
8610	8.90 [226]	9.50 [241]	0.83	371	23
8611	9.50 [241]	10.10 [257]	0.90	403	25
8612	10.10 [257]	10.70 [272]	0.97	435	27
8612N	10.70 [272]	10.70 [272]	-	-	-
8613	10.70 [272]	11.30 [287]	1.04	467	29
8614	11.30 [287]	11.90 [302]	1.11	498	31
8615	11.90 [302]	12.50 [318]	1.18	530	33

INSTALLATION NOTES:

TYPE D

- DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
- THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

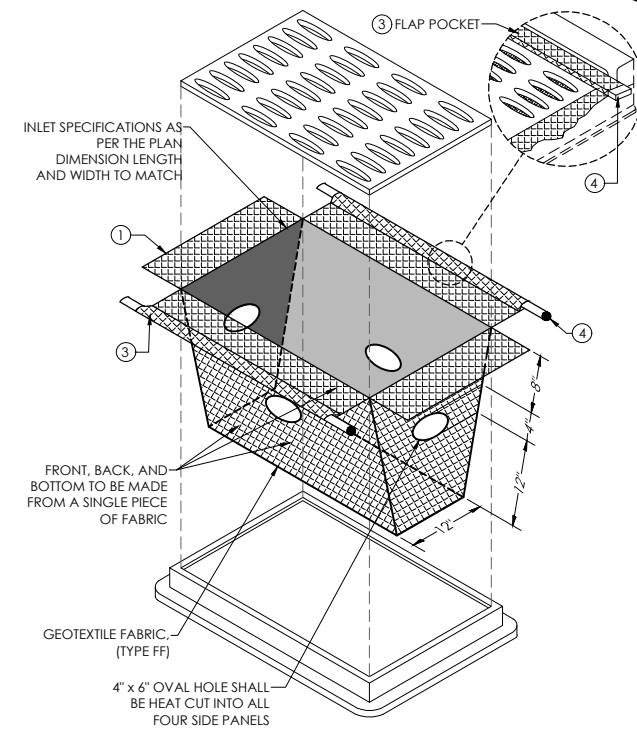
GENERAL NOTES:

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON WIS DOT PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

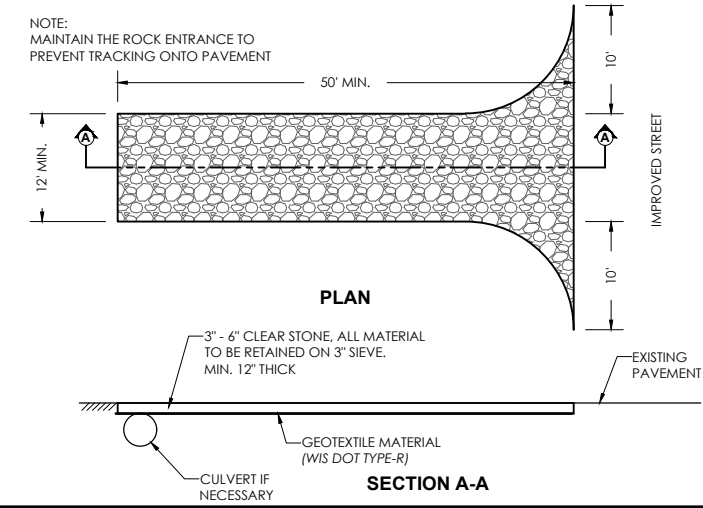
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ FLAP POCKET SHALL BE LARGE ENOUGH TO ACCEPT A WOOD 2" x 4".
- ④ USE REBAR OR STEEL ROD FOR REMOVAL OR FOR INLETS WITH CURB CASTING; USE A WOOD 2"x4" EXTENDED 10" BEYOND SIDES OF GRATE. CONNECT 2"x4" TO GRATE WITH WIRE OR PLASTIC TIES.

NOTES



INLET PROTECTION



ROCK CONSTRUCTION ENTRANCE

Section 3, Item A.

General Engineering Company

P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential information for the use of the City of Watertown. It is not to be reproduced, distributed, used or disclosed in whole or in part without the express written authorization of General Engineering Company.

CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC

CITY OF WATERTOWN
JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

AS NOTED
SCALE

DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	7
SHEET NO.	24

C7.z

ZURN Z886-HD TYPICAL TRENCH DRAIN DETAIL

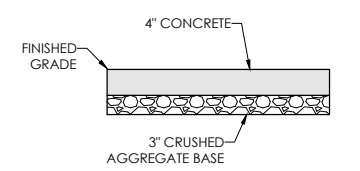


General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential information. Information of General Engineering Company, whether in whole or in part, is not to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

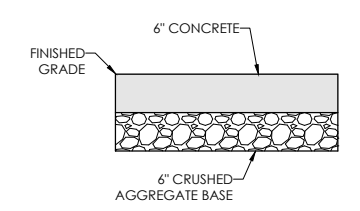
CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

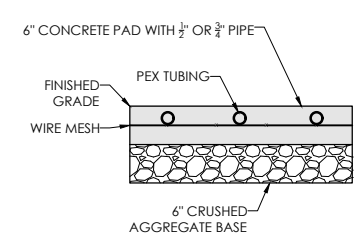
AS NOTED
 SCALE
 DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 17
 SHEET NO.: 25
C7.3



TYPE - A



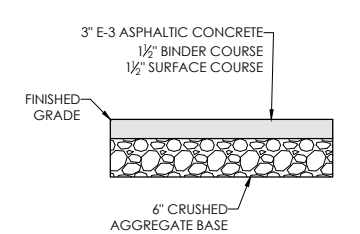
TYPE - B



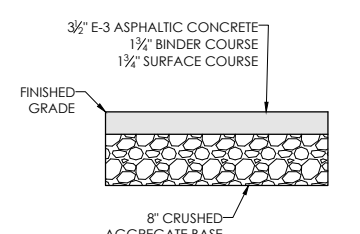
TYPE - C

TYPE C NOTES:
 1. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR SNOW MELT CONCRETE INSTALLATION. PROVIDE WIRE MESH OR REINFORCEMENT AS REQUIRED AND SUPPORT AND SECURE PEX TUBING TO THE MESH TO MAINTAIN PROPER LOCATION WITHIN THE CONCRETE SLAB DURING PLACEMENT. FINAL LOCATION OF PEX TUBING AND REINFORCEMENT SHALL BE COORDINATED BY CONTRACTOR AND INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND PROJECT REQUIREMENTS.

TYPICAL CONCRETE PAVING DETAIL

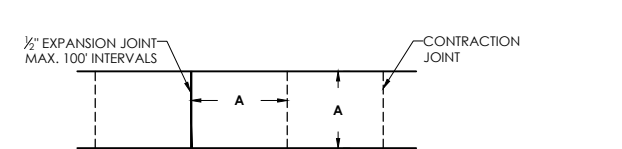


TYPE - 1



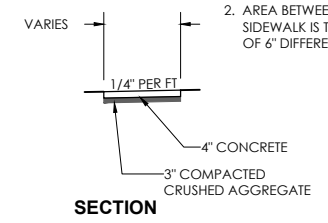
TYPE - 2

TYPICAL ASPHALT PAVING



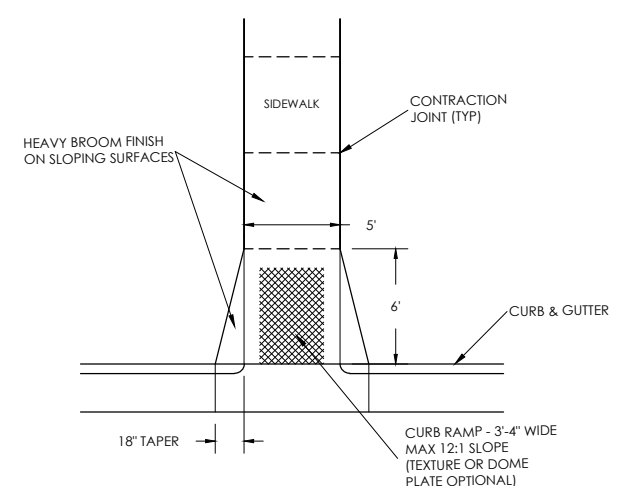
PLAN

NOTES:
 1. A = 4' OR 5' TYPICALLY (SEE PLANS FOR PROPOSED WIDTH)
 2. AREA BETWEEN CURB AND SIDEWALK IS TO HAVE A MINIMUM OF 6" DIFFERENCE IN ELEVATION.

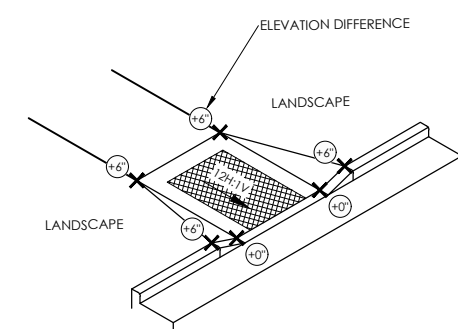


SECTION

TYPICAL SIDEWALK DETAIL



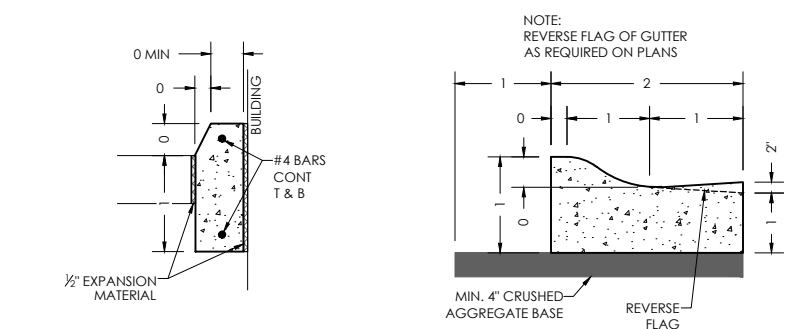
PLAN



ISOMETRIC

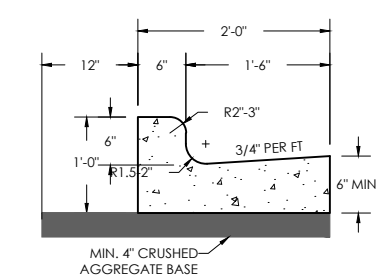
NOTES:
 1. RAMP SLOPES SHALL NOT BE STEEPER THAN 12H:1V.
 2. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

TYPICAL SIDEWALK ADA RAMP DETAIL

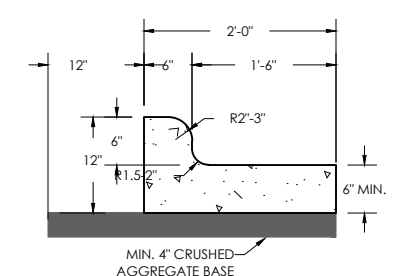


TOMMY'S CHAMFERED CURB 6"

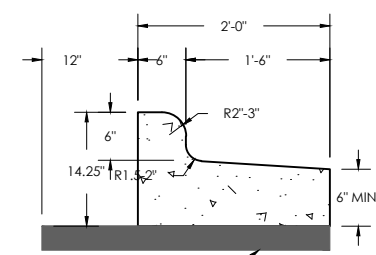
TOMMY'S ROLL CURB 24"



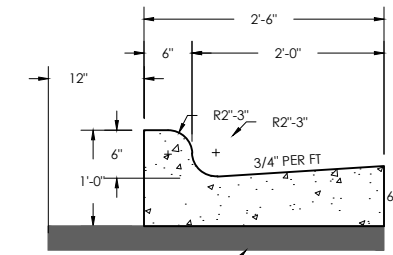
STANDARD 24"



FLAT 24"

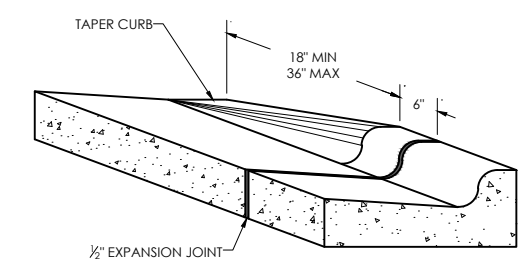


REVERSE FLAG 24"

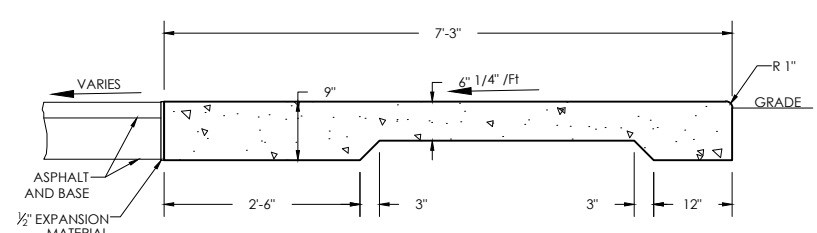


STANDARD 30"

TYPICAL CURB DETAILS

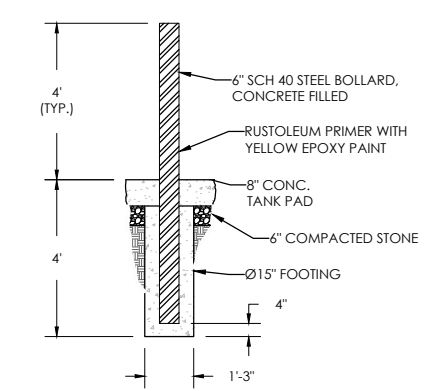


TYPICAL CURB TERMINI DETAIL



TOMMY'S EXPRESS STANDARD SECTION

TYPICAL THICKENED EDGE SIDEWALK DETAIL



TYPICAL BOLLARD DETAIL



General Engineering Company

P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC

CITY OF WATERTOWN
JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

AS NOTED
SCALE

DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	7
SHEET NO.	26

C7.4

WEHD1000 GREASE INTERCEPTOR TANK SPECIFICATIONS

DIMENSIONS:

- WALL: 3 1/2"
- BOTTOM: 5"
- COVER: 6"
- MANHOLE: 24" I.D. PRECAST CONCRETE RISER
- HEIGHT: 72 1/2" O.D.
- OUTSIDE DIMAETER: 7'-2 1/2"
- BELOW INLET: 54 5/8" O.D.
- LIQUID LEVEL: 46 5/8"
- WEIGHT: TANK 7,000 LBS.
- WEIGHT: COVER 3,000 LBS.

INLET AND OUTLET:

4" CAST-A-SEAL BOOT OR EQUAL GASKET

INLET AND OUTLET BAFFLES:

AS SHOWN

LIQUID CAPACITY: 21.50 GAL/IN

LOADING DESIGN: 12'-0" UNSATURATED SOIL / HS-20

TANK CAN BE USED AS:

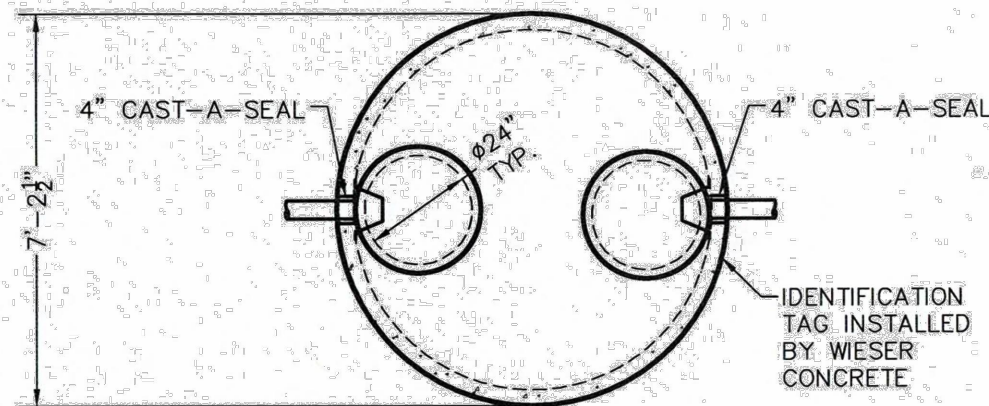
EXTRA HEAVY DUTY GREASE INTERCEPTOR

COVER: MIX DESIGN #8 (NO FIBER)

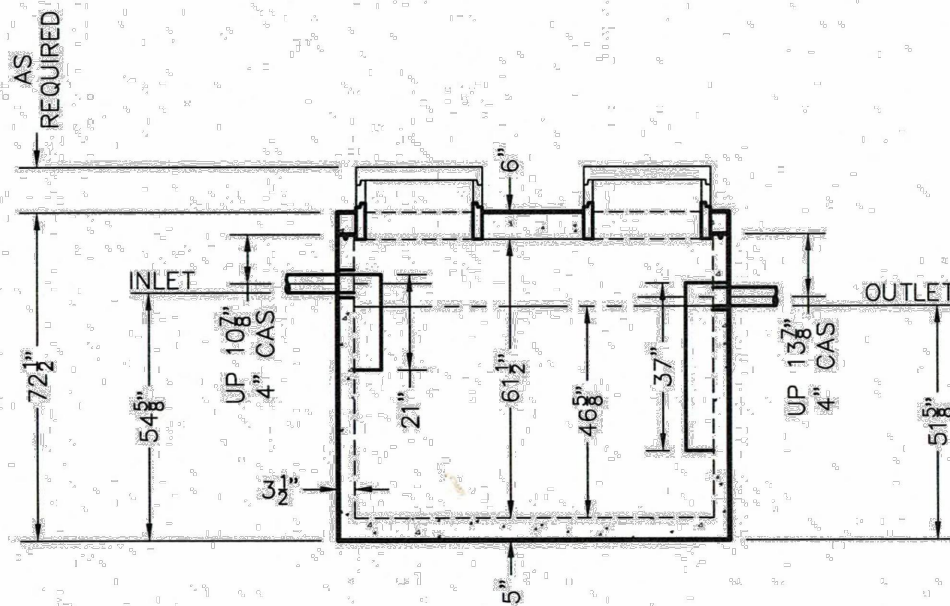
TANK: MIX DESIGN #8 (NO FIBER)

CUSTOMIZED TANKS:

FOR CUSTOM TANKS CONTACT WIESER CONCRETE



TOP VIEW



TYPICAL SAND/OIL SEPARATOR DETAIL



General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential information. Information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

REVISIONS	NO.	BY	DATE

AS NOTED
SCALE

DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 77
 SHEET NO.: 27

TEMPORARY DITCH CHECKS

PURPOSE & OPERATION

PRODUCTS IN THIS CATEGORY ARE INTENDED FOR USE AT THE BOTTOM OF FILL SLOPES AND IN CHANNELS TO INTERCEPT AND POND SEDIMENT-LADEN RUNOFF. PONDING THE WATER REDUCES THE VELOCITY OF THE INCOMING FLOW AND ALLOWS MOST OF THE SEDIMENTS TO SETTLE OUT. WATER EXITS THE CHECK BY EITHER FILTERING THROUGH OR FLOWING OVER THE TOP.

CONSTRUCTION METHODS

THIS WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION, AND THE STANDARD DETAIL DRAWING IN THE WISDOT FACILITY DEVELOPMENT MANUAL. IN ADDITION TO THE ABOVE, TEMPORARY DITCH CHECKS SHALL BE PLACED PERPENDICULAR TO THE FLOW LINE OF THE DITCH AND SHALL EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECKS ARE HIGHER THAN THE LOW POINT ON THE CREST OF THE CHECK. THE INSTALLED MATERIAL SHALL HAVE A MINIMUM HEIGHT OF 10 INCHES ABOVE THE FLOW LINE IN THE INSTALLED CONDITION. ALL PRODUCTS SHALL BE ENTRENCHED A MINIMUM OF 2.0 INCHES ON BARE SOIL. DITCH CHECKS INSTALLED IN A CHANNEL THAT IS CONTINUOUSLY LINED WITH EROSION MAT NEED NOT BE ENTRENCHED IF INSTALLED OVER THE TOP OF THE EROSION MAT. INSTALLATIONS SHALL HAVE STAKES ON THE DOWNSTREAM SIDE OF THE TEMPORARY DITCH CHECK AND SHALL NOT REDUCE THE HEIGHT OF THE TEMPORARY DITCH CHECK. FABRIC TYPE PRODUCTS MAY BE ENTRENCHED WITH A NARROW CHECK SLOT ON THE UPSTREAM SIDE.

APPROVED MANUFACTURED ALTERNATIVES TO THE DEPARTMENTS' DETAILS ARE LISTED BELOW.

APPROVED TEMPORARY DITCH CHECKS

PRODUCT	MANUFACTURER
CURLEX 12 INCH SEDIMENT LOG	AMERICAN EXCELSIOR
CURLEX 20 INCH SEDIMENT LOG	AMERICAN EXCELSIOR
AEC PREMIER 12 INCH WATTLE	AMERICAN EXCELSIOR
AEC PREMIER 20 INCH WATTLE	AMERICAN EXCELSIOR
STENLOG 12	Erosion Control Blanket.com
TRIANGULAR SILT DIKE	TRIANGULAR SILT DIKE
ASPEN XCEL EXCELSIOR LOG	WESTERN EXCELSIOR
DITCH CHEXX	FILTREXX
BIO-D SILT CHECK	RO LANKA
WS-12	NORTH AMERICAN GREEN

INSTALLATION INSTRUCTIONS - LOGS AND WATTLES:

STEP 1 - SITE PREPARATION

PREPARE SITE TO DESIGN PROFILE AND GRADE. REMOVE DEBRIS, ROCKS, CLODS, ETC. GROUND SURFACE SHOULD BE SMOOTH PRIOR TO INSTALLATION TO ENSURE LOG REMAINS IN CONTACT WITH SLOPE.

STEP 2 - STAPLE SELECTION

AT A MINIMUM, 1" LONG BY 1" BY 24", STAKES ARE TO BE USED TO SECURE THE LOG TO THE GROUND SURFACE. INSTALLATION IN ROCKY, SANDY OR OTHER LOOSE SOIL MAY REQUIRE LONGER STAKES.

SLOPE INSTALLATION

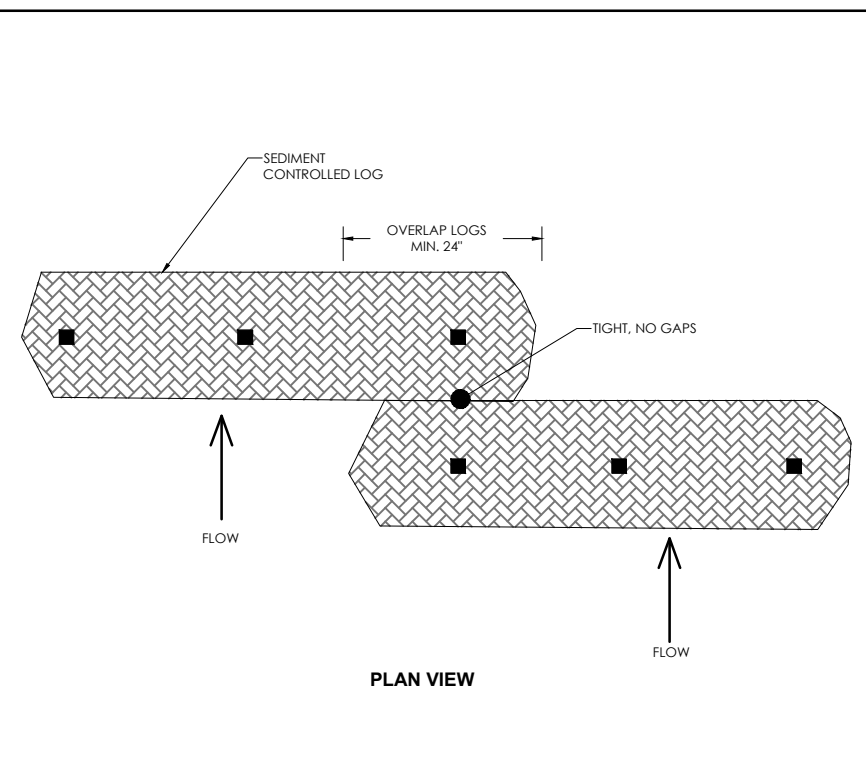
PLACE RECP ALONG SLOPE TO PROVIDE UPSTREAM APRON FOR LOG. SECURE RECP ACCORDING TO STANDARD SLOPE INSTALLATION INSTRUCTIONS INCLUDING UPSTREAM ANCHOR TRENCH. SECURE LOG TO BLANKET, ENSURING LOG REMAINS IN INTIMATE CONTACT WITH THE RECP OVER THE LENGTH OF THE INSTALLATION. A MINIMUM ONE FOOT UPSTREAM APRON AND TWO FOOT DOWNSTREAM APRON ARE REQUIRED FOR INSTALLATION. SUBSEQUENT, DOWNSLOPE ROWS OF LOGS SHOULD BE SPACED APPROPRIATELY FOR SITE CONDITIONS TO MINIMIZE ACCELERATION OF FLOW. FURTHER, LOG SEAMS ARE TO BE OFFSET TO ENSURE CONTINUOUS FILTRATION. FIGURE A PRESENTS A SCHEMATIC OF A SLOPE INSTALLATION IN PROFILE VIEW.

CHANNEL INSTALLATION

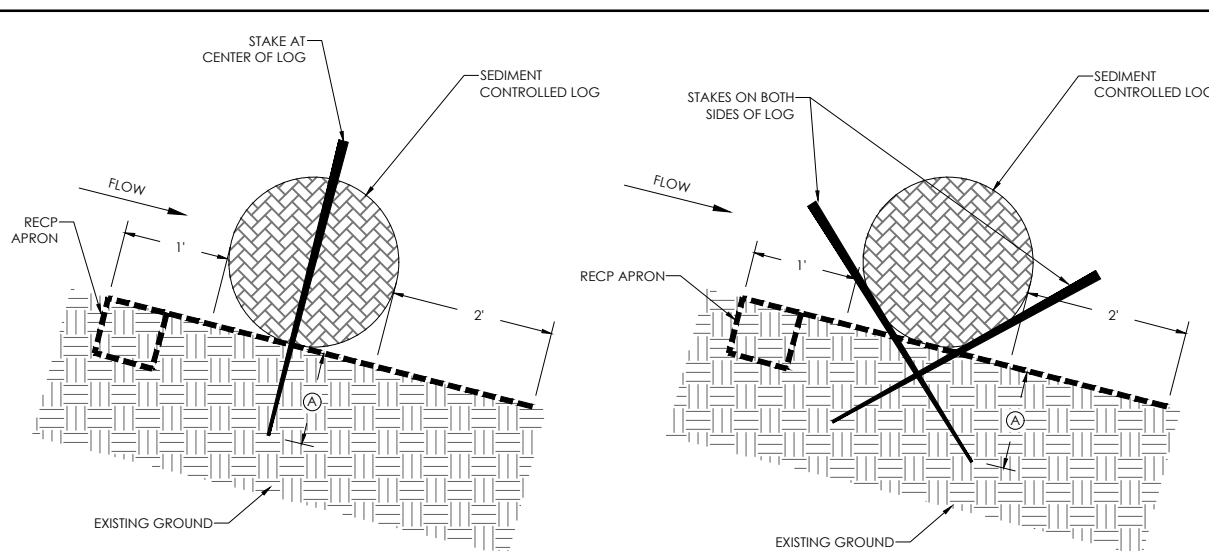
PLACE RECP ALONG CHANNEL TO PROVIDE UPSTREAM AND DOWNSTREAM APRON FOR LOG IDENTICALLY TO SLOPE INSTALLATION. SECURE LOG TO BLANKET, ENSURING LOG REMAINS IN INTIMATE CONTACT WITH THE RECP OVER THE LENGTH OF THE INSTALLATION. A MINIMUM OF ONE FOOT UPSTREAM APRON AND TWO FOOT DOWNSTREAM APRON ARE REQUIRED FOR INSTALLATION. SUBSEQUENT, DOWNSLOPE ROWS OF LOGS SHOULD BE SPACED APPROPRIATELY FOR SITE CONDITIONS TO MINIMIZE ACCELERATION OF FLOW. FURTHER, LOG SEAMS ARE TO BE OFFSET TO ENSURE CONTINUOUS FILTRATION. FIGURE A AND FIGURE C PRESENT A SCHEMATIC OF A CHANNEL INSTALLATION.

DRAIN FILTER INSTALLATION

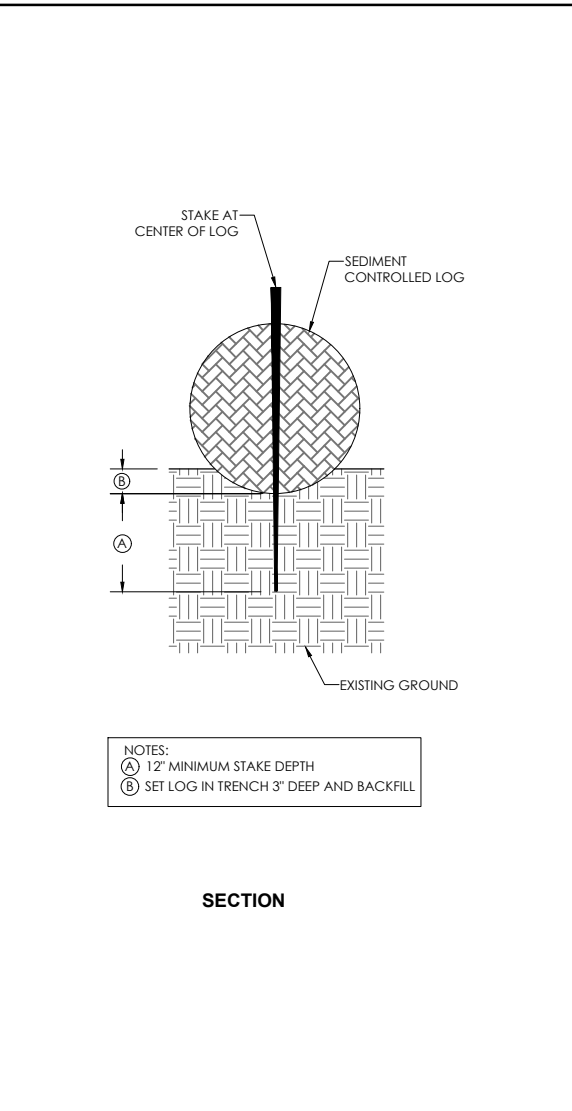
SURROUND DRAIN INLET TO BE PROTECTED WITH LOG, ENSURING SEAMS ARE OVERLAPPING TO MINIMIZE FLOW CIRCUMVENTING LOG. SECURE LOGS TO GROUND SURFACE ENSURING THE LOG REMAINS IN INTIMATE CONTACT WITH THE GROUND SURFACE OVER THE ENTIRE INSTALLATION. PROVIDE RECP APRON SECURED TO THE GROUND SURFACE BETWEEN DRAIN AND LOG.



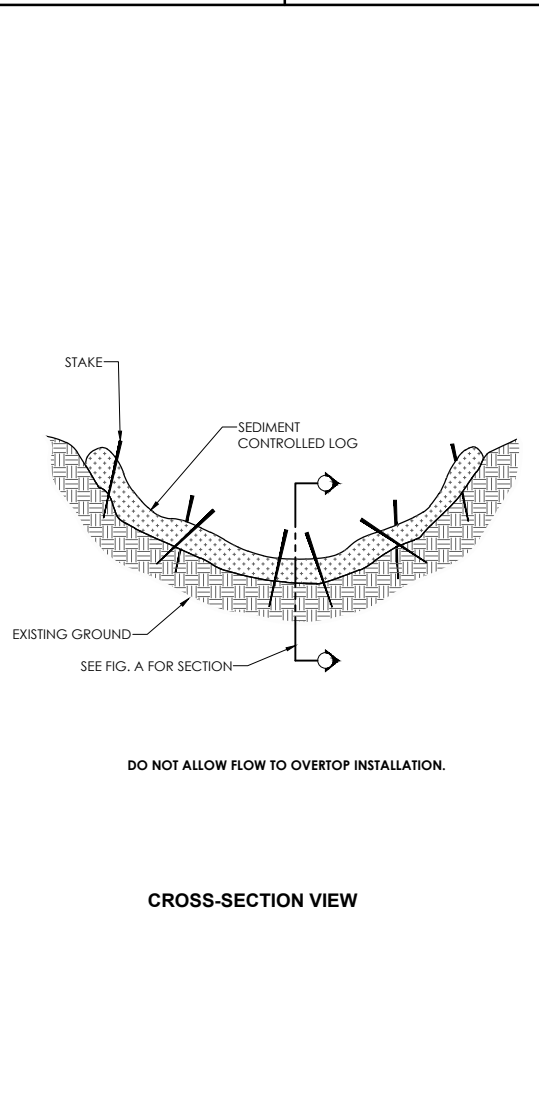
LOG OVERLAP DETAIL



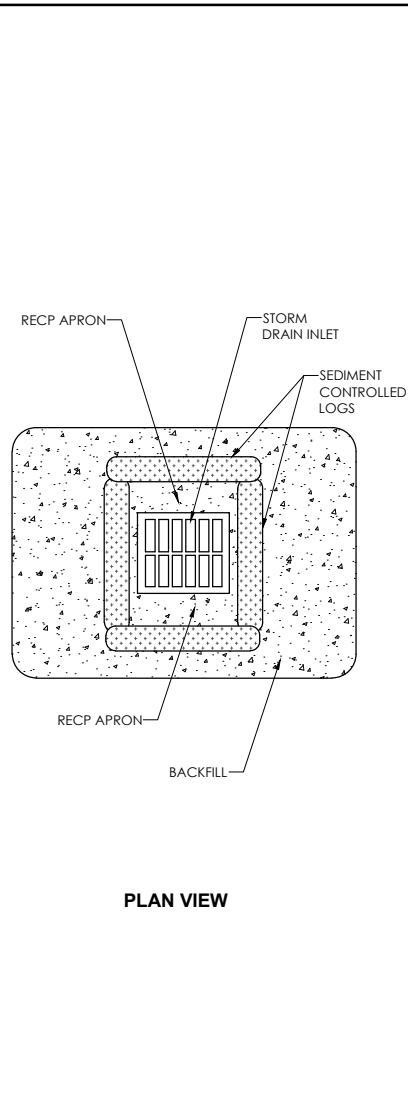
SLOPE/CHANNEL INSTALLATION (FIG. A)



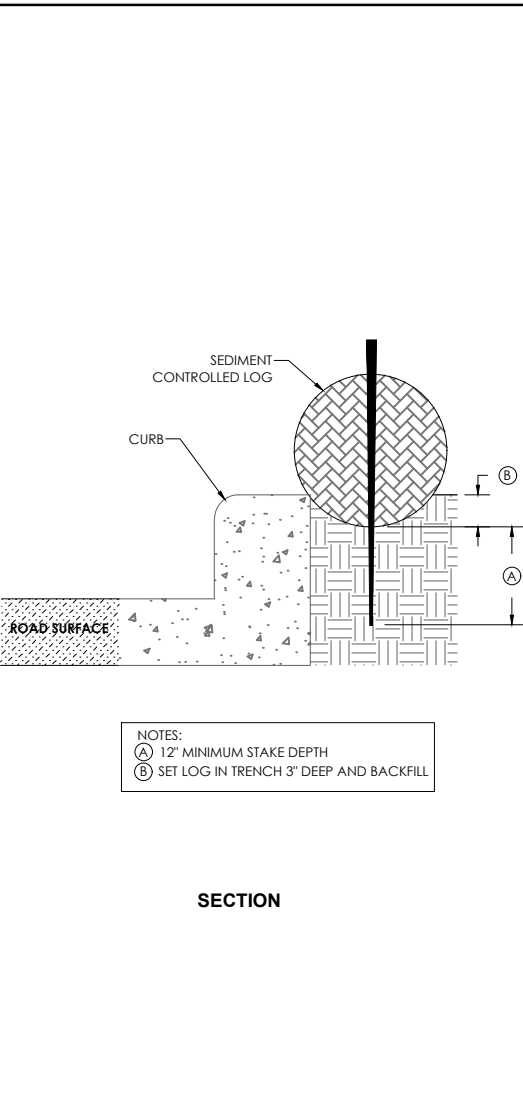
FLAT GROUND INSTALLATION (FIG. B)



CHANNEL INSTALLATION (FIG. C)



DRAIN FILTER (FIG. D)



CURBSIDE INSTALLATION (FIG. E)

NOTES



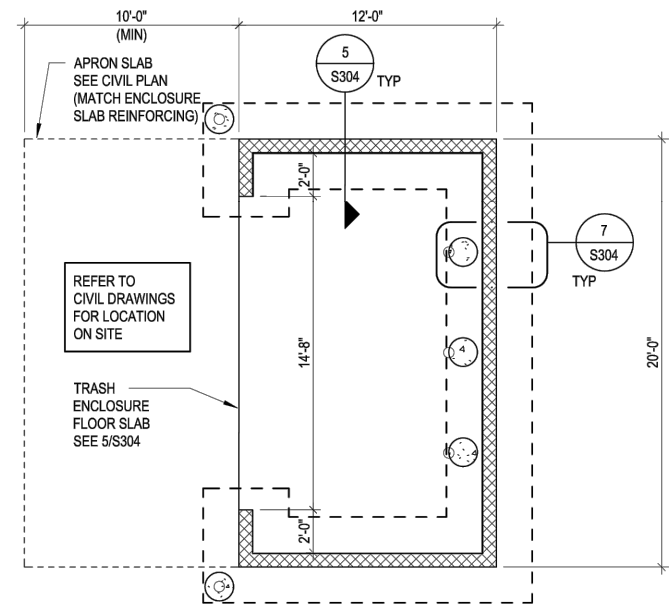
General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

CONSTRUCTION DETAILS
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI

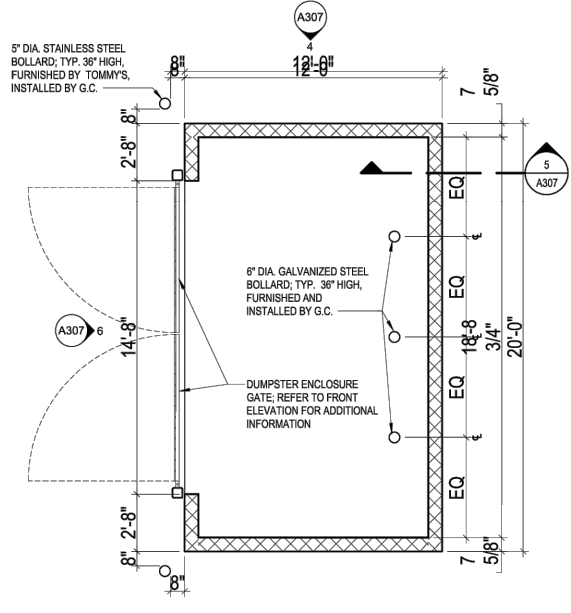
REVISIONS	NO.	BY	DATE

AS NOTED
SCALE

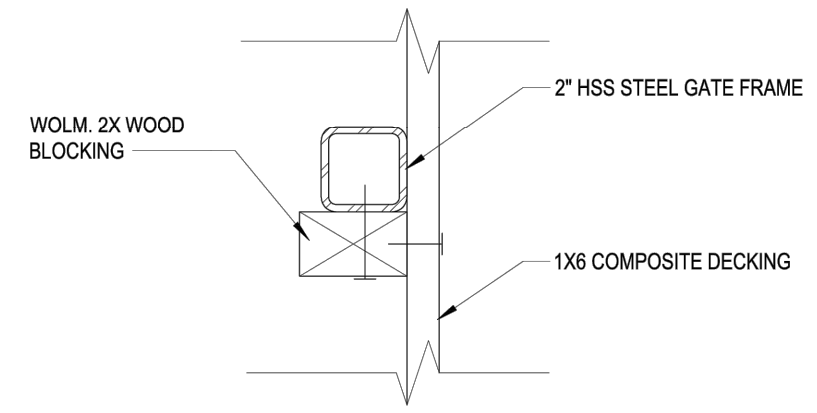
DRAWN BY: MME
 REVIEWED BY: KDA
 ISSUE DATE: 02/20/2026
 GEC FILE NO.: 77
 SHEET NO.: 28



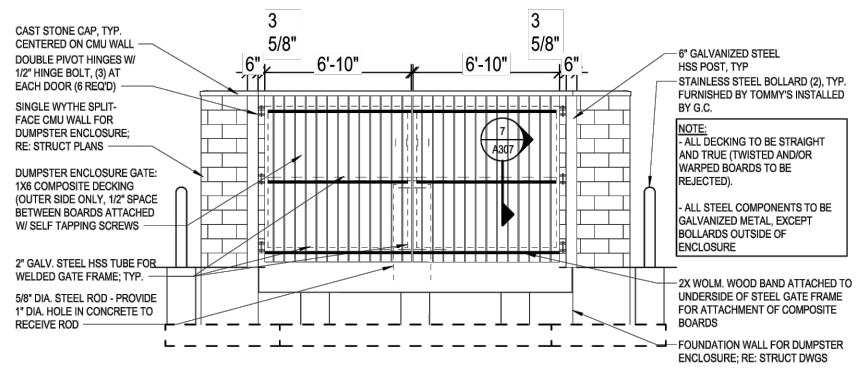
1 DUMPSTER ENCLOSURE PLAN
 A301 1/4" = 1'-0"



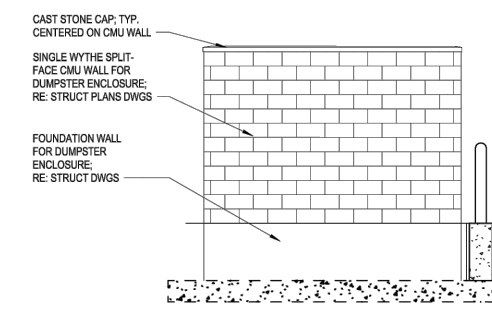
2 DUMPSTER ENCLOSURE PLAN
 A307 1/4" = 1'-0"



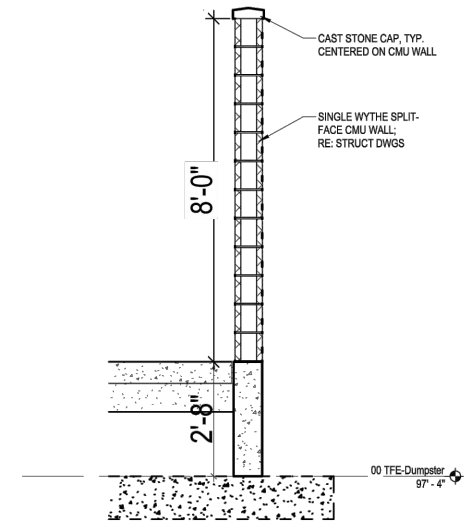
3 SECTION AT DUMPSTER FRAME
 A307 6" = 1'-0"



4 DUMPSTER ENCLOSURE - FRONT ELEVATION
 A307 1/4" = 1'-0"



5 DUMPSTER ENCLOSURE - SIDE ELEVATION
 A307 1/4" = 1'-0"



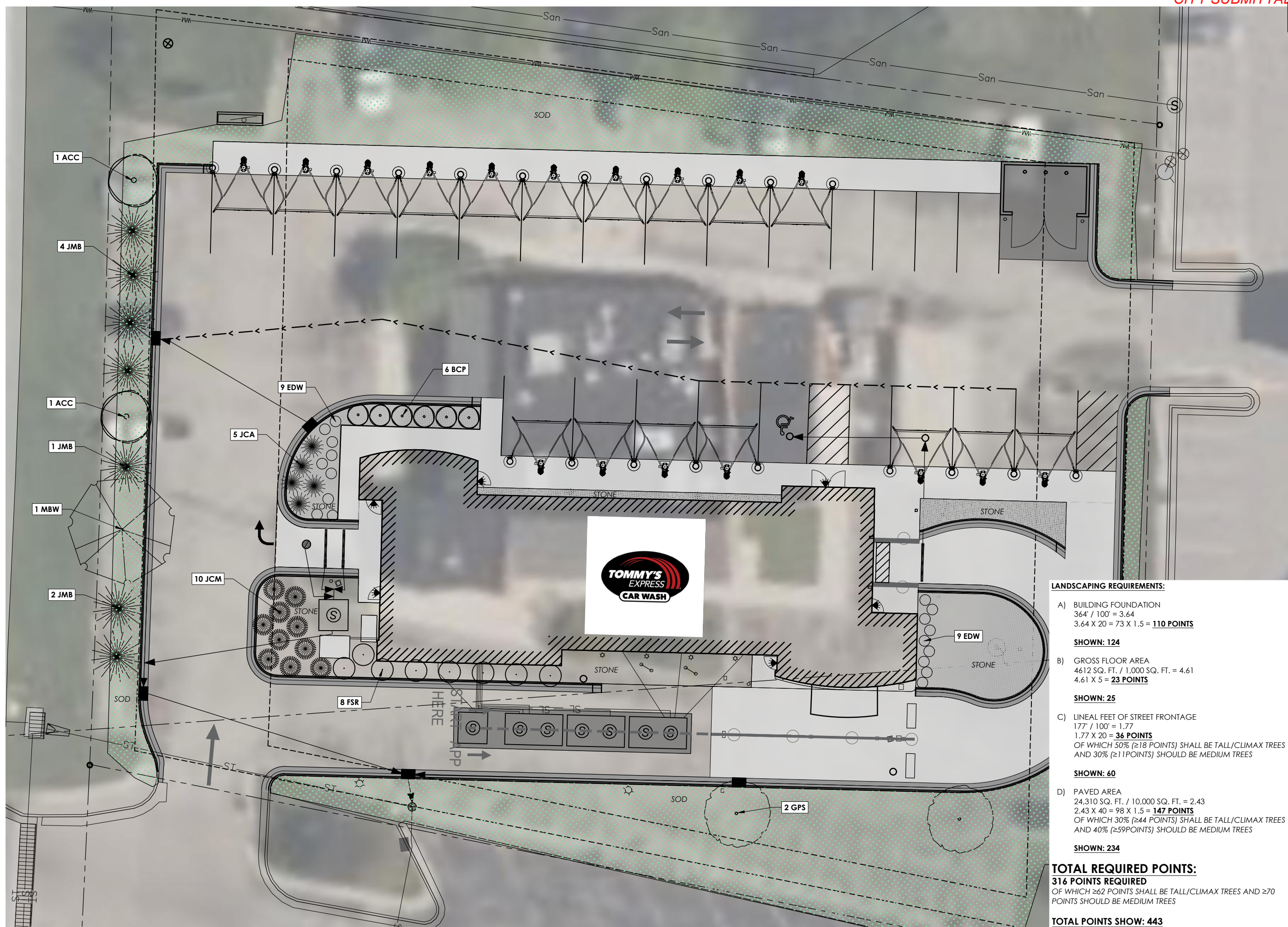
6 DUMPSTER ENCLOSURE - WALL SECTION
 A307 1/2" = 1'-0"

G:\Current Files\LSRE\Watertown, LLC\01-25000-677\LSRE\Watertown - Tommys Car Wash\CAD 01-25000-677\2_CIVIL\Production Drawings\1_Bid Plan Sets\1_C7.0_DT_01-25000-677.dwg, C7.6, 2/18/2026 1:17:49 PM



General Engineering Company
 P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
 608-742-2169 (Office) • 608-742-2592 (Fax)
 www.generalengineering.net
This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

LANDSCAPE PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
 CITY OF WATERTOWN
 JEFFERSON COUNTY, WI



LANDSCAPING REQUIREMENTS:

A) BUILDING FOUNDATION
 $364' / 100' = 3.64$
 $3.64 \times 20 = 73 \times 1.5 = 110$ POINTS
SHOWN: 124

B) GROSS FLOOR AREA
 $4612 \text{ SQ. FT.} / 1,000 \text{ SQ. FT.} = 4.61$
 $4.61 \times 5 = 23$ POINTS
SHOWN: 25

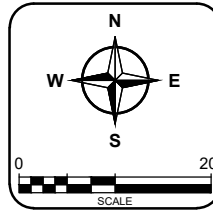
C) LINEAL FEET OF STREET FRONTAGE
 $177' / 100' = 1.77$
 $1.77 \times 20 = 36$ POINTS
 OF WHICH 50% (≈ 18 POINTS) SHALL BE TALL/CLIMAX TREES
 AND 30% (≈ 11 POINTS) SHOULD BE MEDIUM TREES
SHOWN: 60

D) PAVED AREA
 $24,310 \text{ SQ. FT.} / 10,000 \text{ SQ. FT.} = 2.43$
 $2.43 \times 40 = 98 \times 1.5 = 147$ POINTS
 OF WHICH 30% (≈ 44 POINTS) SHALL BE TALL/CLIMAX TREES
 AND 40% (≈ 59 POINTS) SHOULD BE MEDIUM TREES
SHOWN: 234

TOTAL REQUIRED POINTS:
316 POINTS REQUIRED
 OF WHICH ≥ 62 POINTS SHALL BE TALL/CLIMAX TREES AND ≥ 70 POINTS SHOULD BE MEDIUM TREES

TOTAL POINTS SHOW: 443

REVISIONS	NO.	BY	DATE



DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	77
SHEET NO.	29

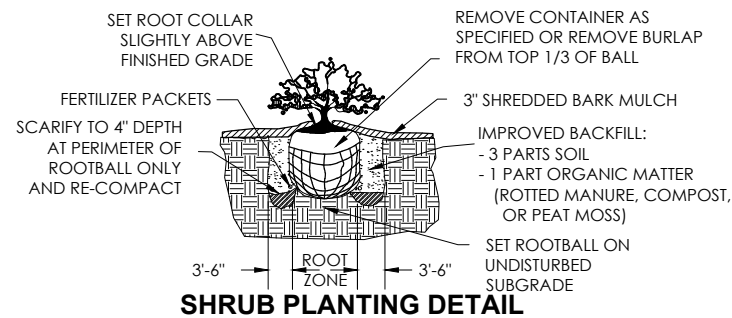
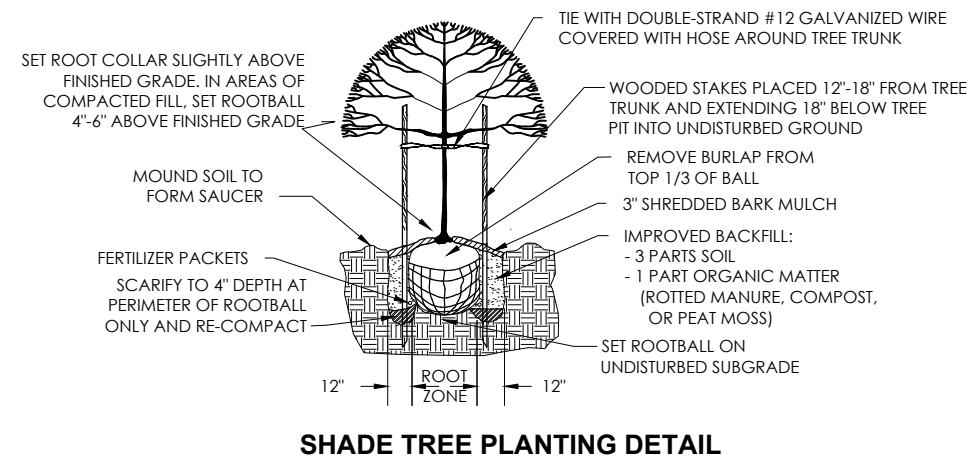
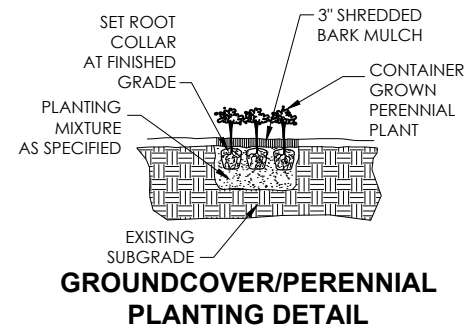


General Engineering Company

P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2169 (Office) • 608-742-2592 (Fax)
www.generalengineering.net

This document contains confidential or proprietary information of General Engineering Company. Neither this document nor the information herein is to be reproduced, distributed, used or disclosed either in whole or in part except as specifically authorized by General Engineering Company.

LANDSCAPE PLAN
TOMMY'S CAR WASH
LSRE WATERTOWN LLC
CITY OF WATERTOWN
JEFFERSON COUNTY, WI

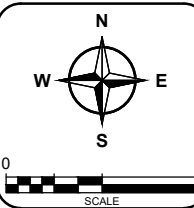


PLANT LIST

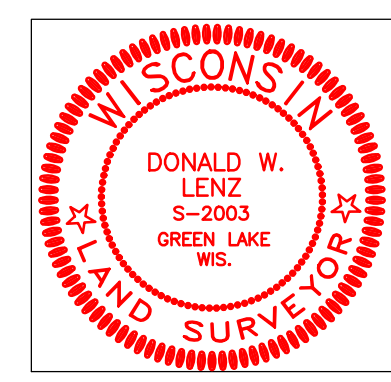
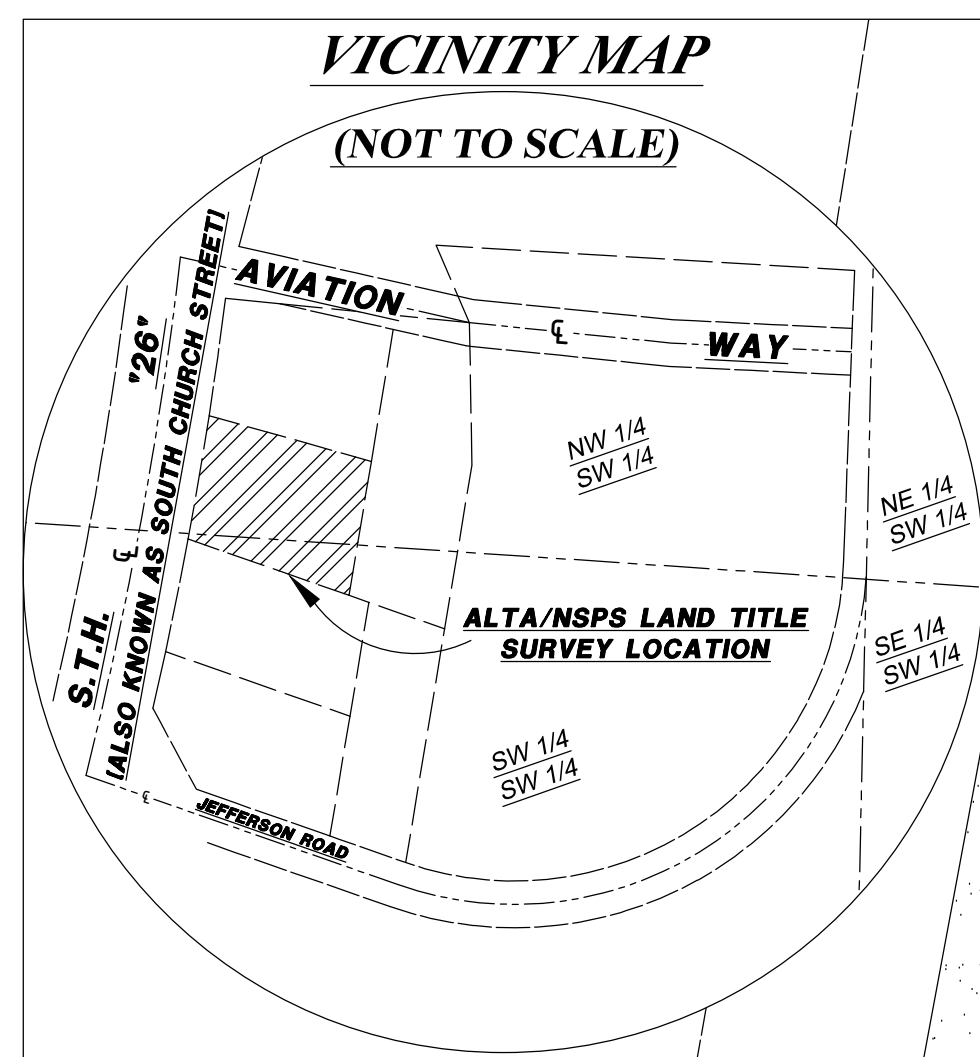
KEY	COMMON NAME	(BOTANICAL NAME)	PLANTING SIZE (Inches)	COMMENTS
SHRUBS				
BCP	'CRIMSON JAPANESE BARBERRY (CRIMSON PYGMY)		18-24	3'-4' O/C (3'-6' HT)
EDW	DWARF WINGED EUONYMUS (EUONYMUS ALATUS 'COMPACTUS')		24-30	FALL COLOR
JCA	COMPACT ANDORRA JUNIPER - 'YOUNGSTOWN' (JUNIPERUS HORIZONTALIS 'YOUNGSTOWN')		18-24	BRIGHT GREEN FOLIAGE TURNS PLUM IN WINTER.
FSR	EARLY FORSYTHIA (FORSYTHIA OVATA)		18-24	EARLIER YELLOW FLOWERS
*All woody shrubs shown in container root condition at time of planting.				
TREES				
ACC	AMUR CHOKECHERRY (PRUNUS MAACKII)		1 1/2"-2"-CAL	WHITE SPRING FLOWERS
GPS	GINKGO 'PRINCETON SENTRY' (MALE CULTIVAR) (GINKGO BILOBA var. 'PRINCETON SENTRY')		2 1/2"-CAL.	GOLD-YELLOW FALL COLOR, NARROW UPRIGHT
JCM	"MANEY" (MANEY JUNIPER)		2 1/2"-CAL	BLUISH GREEN FOLIAGE
JMB	MOUNTBATTER JUNIPER (JUNIPERUS CHINNENSIS MOUNTBATTER)		2"-CAL	
MBW	"AUTUMN FLAME" (RED MAPLE)		2"-CAL	EARLY SCARLET FALL COLOR

• **All trees shown in B&B (Balled & Burlapped) root condition at time of planting.**

REVISIONS	NO.	BY	DATE



DRAWN BY	MME
REVIEWED BY	KDA
ISSUE DATE	02/20/2026
GEC FILE NO.	77
SHEET NO.	30



Donald W. Lenz
 Donald W. Lenz WI PLS No. 2003
 Dated this 9th Day of December, 2025

GEC
 General Engineering Company
 P.O. Box 340 916 Silver Lake Dr. Portage, WI 53901
 608-742-2149 (Portage Office) 920-294-4666 (Green Lake Office)
 www.generalengineering.net

Client: LSRE Watertown LLC
 Site Address: 1727 South Church Street, Watertown, WI 53094

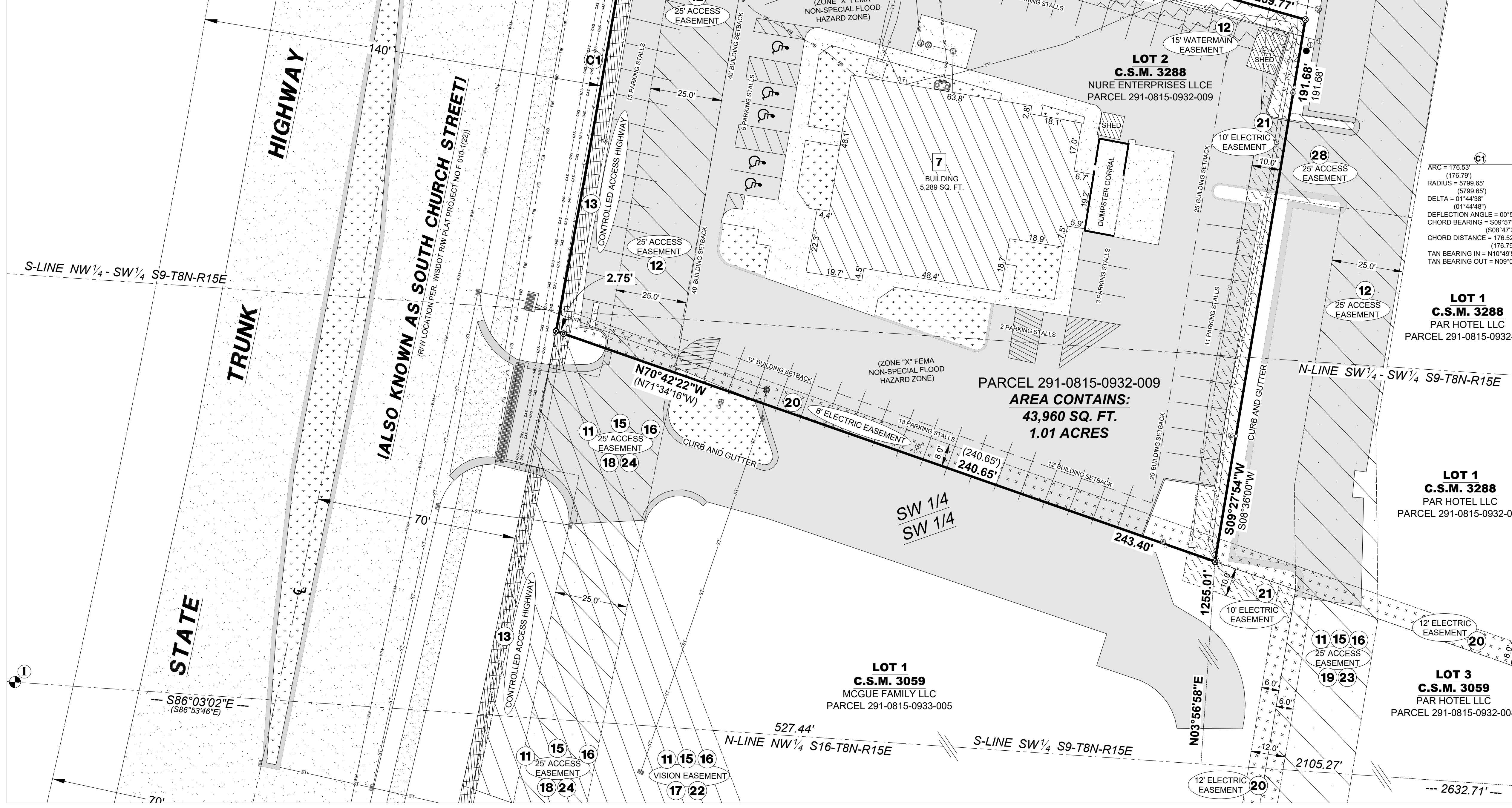
GEC Job No.: 01-25000-677
 GEC File Name: 01-25000-677 LSRE Watertown.dwg

Drafted By: JDP
 Fieldwork Completed 10-30-25

ALTA/NSPS LAND TITLE SURVEY

ALTA/NSPS LAND TITLE SURVEY FOR LSRE WATERTOWN LLC. DESCRIPTION OF LANDS BEING TWO (2) OF CERTIFIED SURVEY MAP NO. 3288 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR JEFFERSON COUNTY, WISCONSIN ON JUNE 28, 1996, IN VOLUME 14 OF CERTIFIED SURVEY MAPS, PAGE 168 AS DOCUMENT NO. 958059, AS AMENDED BY AFFIDAVIT OF CORRECTION RECORDED ON SEPTEMBER 25, 1996 IN VOLUME 966, PAGE 350 AS DOCUMENT NO. 962782 AND AFFIDAVIT OF CORRECTION RECORDED ON SEPTEMBER 25, 1996 IN VOLUME 966, PAGE 352 AS DOCUMENT NO. 962783, SAID CERTIFIED SURVEY MAP BEING A REDIVISION OF A PART OF LOT 2 OF CERTIFIED SURVEY MAP NO. 3059, BEING A REDIVISION OF LOT 1 OF CERTIFIED SURVEY MAP NO. 2272, IN THE SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 8 NORTH, RANGE 15 EAST, IN THE CITY OF WATERTOWN, JEFFERSON COUNTY, WISCONSIN.

Bearings are referenced to the South line of the Southwest 1/4 of Section 09, Township 08 North, Range 15 East, per the Wisconsin County Coordinate System, Jefferson County Zone, with a bearing of South xx°xx'xx" West, NAD 83(91).



Surveyor's Section Corner Notes:

I. South West 1/4 Corner - Section 9 - Township 8 North - Range 15.
 - Per Jefferson County Coordinates.

II. South Corner - Section 9 - Township 8 North - Range 15 East.
 - Could not Occupy Section Corner Due to Chain Link Fence,
 - Used Jefferson County Coordinates.

FEMA Non-Special Flood Hazard Areas are moderate-to-low risk areas:

- The risk of flooding is reduced, but not completely removed.
- Moderate-to-low-risk areas are shown on flood maps as zones beginning with the letters "B", "C" or "X" (or a shaded X).
- These areas submit more than 20 percent of National Flood Insurance Program claims and receive one-third of federal disaster assistance for flooding.

Flood insurance isn't federally required in moderate-to-low-risk areas, but it is recommended for all property owners and renters.

Note:
 The Title Policy Provided to General Engineering Company, was Completed by First American Title Insurance Company Nation Commercial Services, as Agent LSRE Watertown LLC, on July 10th, 2025 as File No. NCS-126795-MAD.

Note: 14
 Distance from Access Drive From S.T.H. "26" to Nearest Intersecting Street is 340± Southwesterly to Jefferson Road.

LEGEND

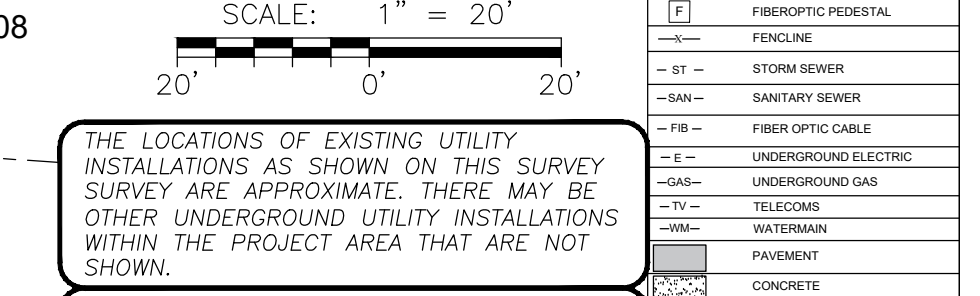
SECTION LINE	---
RIGHT-OF-WAY LINE	---
ROADWAY CENTERLINE	---
EASEMENT LINE	---
PROPERTY LINE	---
OWNER'S PROPERTY LINE	---

VERTICAL DATUM
 NORTH AMERICAN VERTICAL DATUM NAVD88

Parking Note: 9
 68 - Regular Parking Stalls
 5 - Handicap Parking Stalls
 73 - Total Parking Stalls

LEGEND:

SECTION CORNER MONUMENT	●
1" IRON PIPE FOUND	○
3" IRON FOUND	○
3" X 12" REBAR SET	○
5" IRON REBAR	○
SANITARY MANHOLE	○
SEPTIC TANK CLEANOUT	○
GAS VALVE	○
STORM DRAIN	○
WATERMAIN VALVE	○
ENDWELL	○
SEWER	○
LIGHTPOLE	○
RECTANGLE INLET	○
GAS METER	○
ELECTRIC PEDESTAL	○
CABLE PEDESTAL	○
TELEPHONE PEDESTAL	○
FIBEROPTIC PEDESTAL	○
FENCELINE	---
ST - STORM SEWER	---
SANITARY SEWER	---
WATERMAIN	---
PAVEMENT	---
CONCRETE	---
LANDSCAPING	---
GRAVEL	---
25' EXISTING INGRESS & EGRESS ACCESS EASEMENT	---
CONTROLLED ACCESS HIGHWAY	---
15' SANITARY SEWER EASEMENT	---
15' WATERMAIN EASEMENT	---
VISION CORNER EASEMENT	---
10' ELECTRIC EASEMENT	---
8' ELECTRIC EASEMENT	---



THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS SURVEY ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

UNDERGROUND SEWER AND UTILITY INFORMATION AS SHOWN IS OBTAINED FROM FIELD DATA ACQUISITION THE ACCURACY OF WHICH CAN NOT BE GUARANTEED OR CERTIFIED TO.

Note:
 The Location and Size of the Underground Structures and Utilities Shown Hereon have been Located to a Reasonable Degree of Accuracy, but the Engineer or Surveyor does not Guarantee their Exact Location of Others not Shown. Contact Diggers Hotline In., Etc.

Digger's Hotline Notes: 11
 Diggers Hotline Ticket No. 2025432624 was used October 29th, 2025 11:00:00 a.m. Contractor/Owner Should Contact Diggers Hotline Phone No. 1-800-242-8511 to Remark the Property Before any Excavation or Demolition.

Site Location = Lot 2 of Certified Survey Map 3288 Utility Locations were Marked by Diggers Hotline and Maps were Furnished by:

SBC01 = AT&T Distribution SBC01 [Phone]: (262) 446-9821

CHC01 = Charter Communications CHC01 [Coms]: (262) 446-9821

WAT01 = City of Watertown WAT01 [San Sewer]: (262) 446-9821

WAT01 = City of Watertown WAT01 [Facility Owner]: (262) 446-9821

WAT01 = City of Watertown WAT01 [Storm Sewer]: (262) 446-9821

WAT01 = City of Watertown WAT01 [Water]: (262) 446-9821

TDM19 = TDS Metrocom TDM19 [Coms]: (262) 446-9821

UCL01 = U.S. Cellular UCL01 [Coms]: (712) 363-4291

WOWEB = WOWEB We Energies-Ele and We Gas-WOWEB [Gas]: (262) 446-9821

WOWEB = Sun Prairie Utilities SUN01 [Electric]: (262) 466-9821

ALTA/NSPS LAND TITLE SURVEY

ALTA/NSPS LAND TITLE SURVEY FOR LSRE WATERTOWN LLC. DESCRIPTION OF LANDS BEING LOT TWO (2) OF CERTIFIED SURVEY MAP NO. 3288 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR JEFFERSON COUNTY, WISCONSIN ON JUNE 20, 1996, IN VOLUME 14 OF CERTIFIED SURVEY MAPS, PAGE 168 AS DOCUMENT NO. 958059, AS AMENDED BY AFFIDAVIT OF CORRECTION RECORDED ON SEPTEMBER 25, 1996 IN VOLUME 966, PAGE 350 AS DOCUMENT NO. 962782 AND AFFIDAVIT OF CORRECTION RECORDED ON SEPTEMBER 25, 1996 IN VOLUME 966, PAGE 352 AS DOCUMENT NO. 962783. SAID CERTIFIED SURVEY MAP BEING A REDIVISION OF A PART OF LOT 2 OF CERTIFIED SURVEY MAP NO. 3059, BEING A REDIVISION OF LOT 1 OF CERTIFIED SURVEY MAP NO. 2272, IN THE SOUTHWEST 1/4 OF SECTION 9, TOWNSHIP 8 NORTH, RANGE 15 EAST, IN THE CITY OF WATERTOWN, JEFFERSON COUNTY, WISCONSIN.

PROVIDED PARCEL DESCRIPTION (Per Commitment for Title Insurance File No.: NCS-1267945-MAD; Dated: July 10th, 2025):

Lot Two (2) of Certified Survey Map No. 3288 recorded in the Office of the Register of Deeds for Jefferson County, Wisconsin on June 20, 1996, in Volume 14 of Certified Survey Maps, Page 168 as Document No. 958059, as amended by Affidavit of Correction recorded on September 25, 1996 in Volume 966, Page 350 as Document No. 962782 and Affidavit of Correction recorded on September 25, 1996 in Volume 966, Page 352 as Document No. 962783, said Certified Survey Map being a revision of a part of Lot 2 of Certified Survey Map No. 3059, being a redivision of Lot 1 of Certified Survey Map No. 2272, in the Southwest 1/4 of Section 9, Township 8 North, Range 15 East, in the City of Watertown, Jefferson County, Wisconsin.

METES AND BOUNDS DESCRIPTION:

Commencing at the Southwest corner of said Section 9; thence South 86°03'02" East, along the South line of the Southwest 1/4 of said Section 9, 527.44 feet; thence North 03°56'58" East, 1255.01 feet to the Southerly line of Lot 2 of said Certified Survey Map 3288 and the Point of Beginning; thence North 70°42'22" West, along said Southerly line, 243.40 feet to the Westerly line of said Lot 2 of said Certified Survey Map 3288 and the Easterly line of State Trunk Highway "26"; thence along said Westerly line and said Easterly line, along an arc of a 176.53 foot curve to the left, said curve having a radius of 5799.65 feet a delta angle of 01°44'38", and whose long chord bears North 09°57'32" East for 176.52 feet to the Northerly line of said Lot 2 of said Certified Survey Map 3288; thence South 74°13'04" East, along said Northerly line, 239.77 feet to the Easterly line of said Lot 2 of said Certified Survey Map 3288; thence South 09°27'54" West, along said Easterly line, 191.68 feet to the Point of Beginning.

Said described area contains 43,960 sq. ft. or 1.01 acres.

SURVEYOR'S CERTIFICATE:

To: LSRE Watertown LLC and First American Title Insurance Company.

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1-4, 5, 6a, 6b, 7a, 8, 9, 11, 13, 14 and 17 of Table A thereof. The fieldwork was completed on October 30th, 2025.

I further certify that I have surveyed the property described herein, and that the map shown on this ALTA Survey is a true representation thereof, and shows the size and location of visible structures and dimensions of all buildings thereon and apparent easements, if any, to the best of my knowledge and belief. This survey is made for the use of the presents owners of the property, also for those who purchase, mortgage or guarantee the title thereto, as of the date hereon.

I have made such survey under the direction of LSRE Watertown LLC, 1727 South Church Street, Watertown, WI 53094.

Donald W. Lenz WI PLS No. 2003 Dated this 9th Day of December, 2025



TABLE A OPTIONAL SURVEY RESPONSIBILITIES AND SPECIFICATIONS

EXAMPLE: 1

NOTE: Whether any of the nineteen (19) items of Table A are to be selected, and the exact wording of and fee for any selected item, may be negotiated between the surveyor and client. Any additional items negotiated between the surveyor and client must be identified as 20(a), 20(b), etc. Any additional items negotiated between the surveyor and client, and any negotiated changes to the wording of a Table A item, must be explained pursuant to Section 6.D.ii.(g). Notwithstanding Table A Items 5 and 11, if an engineering design survey is desired as part of an ALTA/NSPS Land Title Survey, such services should be negotiated under Table A, Item 20. If checked, the following optional items are to be included in the ALTA/NSPS LAND TITLE SURVEY, except as otherwise qualified (see note above):

- 1. Monuments placed (or a reference monument or witness to the corner) at all major corners of the boundary of the surveyed property, unless already marked or referenced by existing monuments or witnesses in close proximity to the corner.
2. Address(es) of the surveyed property if disclosed in documents provided to or obtained by the surveyor, or observed while conducting the fieldwork.
3. Flood zone classification (with proper annotation based on federal Flood Insurance Rate Maps or the state or local equivalent) depicted by scaled map location and graphic plotting only.
4. Gross land area (and other areas if specified by the client).
5. Vertical relief with the source of information (e.g., ground survey, aerial map), contour interval, datum, with originating benchmark, when appropriate.
6. (a) If the current zoning classification, setback requirements, the height and floor space area restrictions, and parking requirements specific to the surveyed property are set forth in a zoning report or letter provided to the surveyor by the client or the client's designated representative, list the above items on the plat or map and identify the date and source of the report or letter.
(b) If the zoning setback requirements specific to the surveyed property are set forth in a zoning report or letter provided to the surveyor by the client or the client's designated representative, and if those requirements do not require an interpretation by the surveyor, graphically depict those requirements on the plat or map and identify the date and source of the report or letter. Setback information obtained by the City of Sun Prairie Zoning Departments.
7. (a) Exterior dimensions of all buildings at ground level.
(b) Square footage of:
(1) exterior footprint of all buildings at ground level.
(2) other areas as specified by the client.
(c) Measured height of all buildings above grade at a location specified by the client. If no location is specified, the point of measurement shall be identified.
8. Substantial features observed in the process of conducting the fieldwork (in addition to the improvements and features required pursuant to Section 5 above) (e.g., parking lots, billboards, signs, swimming pools, landscaped areas, substantial areas of refuse).
9. Number and type (e.g., disabled, motorcycle, regular and other marked specialized types) of clearly identifiable parking spaces on surface parking areas, lots and in parking structures. Copyright 2021. All rights reserved. Page of 9 11 American Land Title Association and National Society of Professional Surveyors American Land Title Association® (ALTA®) Minimum Standard Detail Requirements National Society of Professional Surveyors (NSPS) For ALTA/NSPS Land Title Surveys Striping of clearly identifiable parking spaces on surface parking areas and lots.
10. As designated by the client, a determination of the relationship and location of certain division or party walls with respect to adjoining properties.
11. Evidence of underground utilities existing on or serving the surveyed property (in addition to the observed evidence of utilities required pursuant to Section 5.E.iv.) as determined by:
(a) plans and/or reports provided by client (with reference as to the sources of information)
(b) markings coordinated by the surveyor pursuant to a private utility locate request
Note to the client, insurer, and lender - With regard to Table A, Item 11, information from the sources checked above will be combined with observed evidence of utilities pursuant to Section 5.E.iv. to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response, in which case the surveyor shall note on the plat or map how this affected the surveyor's assessment of the location of the utilities. Where additional or more detailed information is required, the client is advised that excavation may be necessary.
12. As specified by the client, Governmental Agency survey-related requirements (e.g., HUD surveys, surveys for leases on Bureau of Land Management managed lands). The relevant survey requirements are to be provided by the client or clients designated representative.
13. Names of adjoining owners according to current tax records. If more than one owner, identify the first owner's name listed in the tax records followed by "et al."
14. As specified by the client, distance to the nearest intersecting street.
15. Rectified orthophotography, photogrammetric mapping, remote sensing, airborne/mobile laser scanning and other similar products, tools or technologies as the basis for showing the location of certain features (excluding boundaries) where ground measurements are not otherwise necessary to locate those features to an appropriate and acceptable accuracy relative to a nearby boundary. The surveyor must (a) discuss the ramifications of such methodologies (e.g., the potential precision and completeness of the data gathered thereby) with the insurer, lender, and client prior to the performance of the survey, and (b) place a note on the face of the survey explaining the source, date, precision, and other relevant qualifications of any such data.
16. Evidence of recent earth moving work, building construction, or building additions observed in the process of conducting the fieldwork.
17. Proposed changes in street right of way lines, if such information is made available to the surveyor by the controlling jurisdiction. Evidence of recent street or sidewalk construction or repairs observed in the process of conducting the fieldwork.
18. If there has been a field delineation of wetlands conducted by a qualified specialist hired by the client, the surveyor shall locate any delineation markers observed in the process of conducting the fieldwork and show them on the face of the plat or map. If no markers were observed, the surveyor shall so state.
19. Pursuant to Sections 5 and 6 (and applicable selected Table A items, excluding Table A Item 1), include as part of the survey any plottable offsite (i.e., appurtenant) easements disclosed in documents provided to or obtained by the surveyor.
20. Professional liability insurance policy obtained by the surveyor in the minimum amount of \$_____ to be in effect throughout the contract term. Certificate of insurance to be furnished upon request, but this item shall not be addressed on the face of the plat or map
21. _____

BUILDING, SAFETY & ZONING DEPARTMENT
Main Office 920-262-4000 Brian Zirbes 920-262-4041 Mark Hady 920-342-6986
Nikki Zimmerman 920-262-4045 Dell Zwieg 920-262-4042
Mike Jacok 920-262-4062 Marty Kurzynski 920-262-4061
November 20, 2025

Jackson Pargman General Engineering Company PO Box 340 Portage, WI 53091
Re: Tax Parcel No.: 291-0815-0932-009 1727 S. Church Street, Watertown, WI
1. The current zoning classification for the subject property is: GB, General Business
2. The height restriction for the subject zoning classification is: 40 feet
3. Building setbacks for the subject property are: Minimum setbacks: Building to front or street side lot line: 25 feet, 40 feet for a lot adjacent to a street with an officially mapped right-of-way equal to or exceeding 100 feet. Building to residential side lot line: 12 feet. Building to residential rear lot line: 25 feet. Building to nonresidential side lot line: 12 feet or zero feet on zero lot line side. Building to nonresidential rear lot line: 25 feet. Side lot line to accessory structure: three feet from property line; 10 feet from alley right-of-way. Rear lot line to accessory structure: three feet from property line; 10 feet from alley right-of-way.

4. Additional information on the zoning classification in question can be found at: https://codes390.com/29258718?highlights=gb&searchid=402981055553777929265718
This information was researched on November 20, 2025, by the undersigned per a public records request. The undersigned certifies that the above information is believed to be accurate and was obtained from public records, which may be inspected during regular business hours. Please let me know if I can be of further assistance.

Sincerely, Brian Zirbes Zoning Administrator 106 Jones Street • P.O. Box 477 • Watertown, WI 53094-0477 • Phone 920.262.4060 Opportunity Runs Through It

Commitment No.: NCS-1270415-MAD

Schedule B, Part II Exceptions EXAMPLE: 2

Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This Commitment and the Policy treat any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document will be excepted from coverage.

The Policy will not insure against loss or damage resulting from the terms and conditions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

- 1. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or by making inquiry of persons in possession of the Land.
2. Easements, claims of easements or encumbrances that are not shown by the Public Records.
3. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title including discrepancies, conflict in boundary lines, shortages in area, or any other facts that would be disclosed by an accurate and complete land survey of the Land, and that are not shown in the Public Records.
4. Any lien or right to a lien for services, labor, material or equipment, unless such lien is shown by the Public Records at Date of Policy and not otherwise excepted from coverage herein.
5. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the Public Records or attaching subsequent to the effective date hereof but prior to the date the proposed insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.
6. Special taxes, assessments or charges, if any.
NOTE: Said exception will be removed only if the Company receives written evidence from the municipality that there are no special assessments against the land, or that all such items have been paid in full within 30 days of closing.
7. Taxes, general and special for the year 2025, not now due and payable. Tax Parcel No. 291-0815-0932-009.
8. General taxes for the year 2024 in the amount of \$15,119.65 are being paid on a payment plan. Balance due \$5,039.87.
9. Public or private rights in such portion of the subject premises as may be presently used, laid out or dedicated in any manner whatsoever, for street, highway, and or alley purposes.
10. Easements, dedications, reservations, provisions, relinquishments, recitals, certificates, and any other matters as provided for or delineated on Certified Survey Map No. 2042 recorded on August 25, 1987 in Volume 6 of Certified Survey Maps, Page 341 as Document No. 833779 referenced in the legal description contained herein. Reference is hereby made to said plat for particulars. As amended by Certified Survey Map No. 2272 recorded on July 27, 1989 in Volume 8 of Certified Survey Maps, Page 47 as Document No. 853206. As amended by Correction Affidavit recorded on March 12, 1991 in Volume 768 of Records, Page 463 as Document No. 871030. (No Easements indicated on Certified Survey Map(s) 2042 and 2272)
11. Easements, dedications, reservations, provisions, relinquishments, recitals, certificates, and any other matters as provided for or delineated on Certified Survey Map No. 3059 recorded on March 24, 1995 in Volume 12 of Certified Survey Maps, Page 235 as Document No. 936859 referenced in the legal description contained herein. Reference is hereby made to said plat for particulars. As amended by Affidavit of Correction recorded on November 06, 1995 in Volume 931, Page 325 as Document No. 946854.
12. Easements, dedications, reservations, provisions, relinquishments, recitals, certificates, and any other matters as provided for or delineated on Certified Survey Map No. 3288 recorded on June 20, 1996 in Volume 14 of Certified Survey Maps, Page 168 as Document No. 958059 referenced in the legal description contained herein. Reference is hereby made to said plat for particulars. As amended by Affidavit of Correction recorded on September 25, 1996 in Volume 966, Page 350 as Document No. 962782. As amended by Affidavit of Correction recorded on September 25, 1996 in Volume 966, Page 352 as Document No. 962783.
13. Controlled Access Highway - All existing, future or potential common law or statutory easements or rights of access between any traveled way to the highway designated as Highway 26 (S. Church St.) and all of the abutting remaining real property of the insured is relinquished to the City of Watertown, Jefferson County, Wisconsin, in accordance with the Instrument recorded on November 24, 1959 in Volume 317 of Records on Page 390 as Document No. 567183. Controlled Access Highway - All existing, future or potential common law or statutory easements or rights of access between any traveled way to the highway designated as Highway 26 (S. Church St.) and all of the abutting remaining real property of the insured is relinquished to the City of Watertown, Jefferson County, Wisconsin, in accordance with the Quit Claim Deed recorded on July 11, 1996 in Volume 958 of Records on Page 400 as Document No. 959075.
14. Utility Easement to Wisconsin Electric Power Company, dated July 14, 1992, recorded/filed July 29, 1992 in Volume 810 of Records, Page 164 as Document No. 891387. (This Easement Does not Affect this Property)
15. Easements as set forth in Warranty Deed recorded on February 07, 1995 in Volume 906 of Records, Page 161 as Document No. 935256.
16. Easements as set forth in Warranty Deed recorded on February 08, 1995 in Volume 906 of Records, Page 255 as Document No. 935312.
17. Vision Easement to Convenience Store Investments, a Wisconsin limited partnership, dated January 31, 1995, recorded on February 08, 1995 in Volume 906 of Records, Page 257 as Document No. 935313.
18. Highway 26 Access Easement recorded on February 08, 1995 in Volume 906 of Records, Page 263 as Document No. 935314.
19. Jefferson Road Access Easement recorded on February 08, 1995 in Volume 906 of Records, Page 270 as Document No. 935315.
20. Modification and/or amendment by instrument: Amendment to Jefferson Road Access Easement Recording Information: December 17, 1999 in Volume 1132, Page 540 as Document No. 1030364
21. Utility Easement to Wisconsin Electric Power Company and Wisconsin Bell, Inc., d/b/a Ameritech- Wisconsin, dated November 07, 1995, recorded/filed November 21, 1995 in Volume 932, Page 989 as Document No. 947600.
22. Partial Release of Easement recorded on September 30, 2019 as Document No. 1414907.
23. Partial Release of Easement Rights recorded on October 07, 2019 as Document No. 1415258.
24. Utility Easement to Wisconsin Electric Power Company, Wisconsin Bell Inc. d/b/a Ameritech-Wisconsin and Marcus Cable Partners, L.P., dated September 03, 1996, recorded/filed October 29, 1996 in Volume 970, Page 175 as Document No. 964514.
25. Vision Easement to J. D. Development I, LLC, a Wisconsin limited liability company, dated September 12, 1997, recorded on September 26, 1997 in Volume 1006, Page 293 as Document No. 979956.
26. Jefferson Road Access Easement recorded on September 26, 1997 in Volume 1006, Page 297 as Document No. 979957.
27. Reservation of Access Easement recorded on September 26, 1997 in Volume 1006, Page 301 as Document No. 979958.
28. Covenants, conditions, restrictions and easements in the document recorded September 26, 1997 in Volume 1006, Page 304 as Document No. 979959 of Official Records, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status, national origin, sexual orientation, marital status, ancestry, source of income or disability, to the extent such covenants, conditions or restrictions violate Title 42, Section 3604(c), of the United States Codes. Lawful restrictions under state and federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.
29. Storm Sewer Easement and Maintenance Agreement: Dated: September 12, 1997 Parties: Watertown Lodging, L.L.C., a Wisconsin limited liability company and J. D. Development I, LLC, a Wisconsin limited liability company Recorded: September 26, 1997 in Volume 1006, Page 307 Instrument No.: 979960
30. Conditional Use Permit by the City of Watertown Planning Commission recorded on May 13, 1998 in Volume 1039, Page 106 as Document No. 993107. Successor Conditional Use Extension Form recorded on October 09, 2018 as Document No. 1402299.
31. Access Easement recorded on September 13, 2007 as Document No. 1227050. Land Contract and the terms, covenants and conditions thereof between Charden Properties LLC, as Vendor and NURE Enterprises LLC, as Vendee, recorded September 16, 2021 in/as Document No. 1451949 of Jefferson County Records. Assignment of Contract Rights and Payments recorded on March 25, 2024 as Document No. 1482495.
32. Mortgage dated March 20, 2024 and recorded March 25, 2024 as Document No. 1482496, made by Charden Properties LLC, a Wisconsin limited liability company, assignor, as vendor, as to their interest under the Land Contract with NURE Enterprises LLC, as Purchaser, dated September 21, 2021, to Oak Bank, organized and existing under the laws of Wisconsin, to secure an indebtedness in the amount of \$300,000.00, and the terms and conditions thereof.
33. Assignment of Rents made by Charden Properties LLC, a Wisconsin limited liability company, as vendor, as to their interest under the Land Contract with NURE Enterprises LLC, as Purchaser, dated September 21, 2021 to Oak Bank, organized and existing under the laws of Wisconsin recorded March 25, 2024 as document no. 1482497.
34. Rights of tenants in possession under unrecorded leases.



ABD Engineering & Design

Architectural Acoustics • AV Design • Noise & Vibration

July 24, 2024

Izabella Welling
Tommy Car Wash Systems
240 E 8th St
Holland, MI 49423
izabellaw@tommycarwash.com | (616) 212-7886

Re: Tommy Car Wash – Hudsonville – Noise Study Report

Introduction

ABD Engineering & Design, Inc., (ABD) was asked to complete a noise study at the existing Tommy Car Wash located at 4665 32nd Ave, Hudsonville, MI. As part of this noise study, long-term (24-hour) noise measurements were completed at the site and along the property line of adjacent commercial properties from Thursday morning on May 30, 2024, to Friday morning on May 31, 2024.

The primary goal for this report is to capture the Tommy Car Wash noise levels during operation at the site and nearby commercial property lines. These noise levels have been compared to the Code of Ordinances of Hudsonville, Michigan (COHM) and the existing noise levels measured at the site during times the car wash was not operating. The following report details relevant acoustical concepts and the results of our long-term acoustical measurements.

Acoustical Terminology and Concepts

When dealing with sound, the physical quantity is expressed as sound pressure level (SPL), while the perceived level is expressed as loudness. Sound pressure level is measured in units called decibels (abbreviated dB), which are power ratios quantified using logarithmic units. Using the logarithmic scale, an increase of 10 dB corresponds to a doubling of the perceived loudness; therefore, an increase of 20 dB is considered 4 times as loud, and an increase of 30 dB is considered 8 times as loud. Table 1 describes the subjective evaluation of how humans perceive a change in sound level.


Table 1: Subjective Effects of Changes in Sound Levels

Change in Sound Level	Change in Apparent Loudness
3 dB	Just perceptible
5 dB	Clearly noticeable
10 dB	Twice or half as loud
20 dB	Much louder or quieter

Adapted from Table 12.2 in *Engineering Principles of Acoustics* by Douglas D. Reynolds (1981)

Audible sound occurs over a wide frequency range, from approximately 20 Hertz (Hz) to 20,000 Hz. Human hearing does not respond equally to sounds at different frequencies (or pitches) – low-frequency noise (bass/rumble) is perceived as quieter than high-frequency noise (treble/hiss) of the same decibel level. To accommodate this variation in frequency sensitivity of human hearing, a frequency weighting can be applied to sound level measurements. When the weighting is applied, the resulting sound level measurements are said to be “A-weighted,” and the decibel level is abbreviated dBA. Table 2 lists some commonly encountered noises, their A-weighted sound pressure levels, and associated subjective evaluations.

Table 2: Noise Source Comparison

Subjective Evaluation	A-weighted Decibels		Examples
Deafening	140 dBA		Near Jet Engine
	130 dBA		Threshold of Pain
	120 dBA		Threshold of Feeling – Hard Rock Band
Very Loud	100 dBA		Loud Auto Horn (at 10 ft)
	90 dBA		OSHA 8 Hour Noise Exposure Limit
Loud	80 dBA		Shouting at 1m (3 ft)
	70 dBA		Busy Office
Moderate	60 dBA		Conversational Speech at 1m (3 ft)
	50 dBA		Average Office
Faint	40 dBA		Soft Radio Music in Apartment
	30 dBA		Average Residence without Stereo Playing
Very Faint	20 dBA		Average Whisper
	10 dBA		Human Breathing
Threshold of Hearing	0 dBA		Threshold of Audibility

Adapted from *Concepts in Architectural Acoustics* by M. David Egan (1972) and *Architectural Acoustics: Principles and Design* by M. Mehta, J. Johnson, and J. Rocafort (1999)

While the decibel or A-weighted decibel are the basic units used for noise measurement, other indices are also used. One common index, the equivalent sound level (abbreviated as L_{eq} , or LA_{eq} when A-weighted), is commonly used to indicate the average sound level over a period of time. The L_{eq} represents the steady level of sound which would contain the same amount of sound energy as does the actual time varying sound level. Although it is an average, it is strongly influenced by the loudest events occurring during the time period because these loudest events contain most of the sound energy.

Other common metrics indicate the sound level exceeded a certain percentage of time. The L_{90} is the sound level that is exceeded 90% of the time and is representative of average continuous noise without influence from short-term noise events.

Noise Ordinance

The section of Code of Ordinances of Hudsonville, Michigan (COHM) addressing noise is regarding disturbances of the peace. Below is an excerpt from Article V of the COHM. Note that normal conversation levels between people are around 60 dBA on average.

Sec. 16-49. Disturbance of the peace.

It shall be unlawful for any person to:

- (4) Willfully create any noise originating from a residence or business between the hours of 9:00 p.m. and 7:00 a.m. which is unreasonably loud under the circumstances. Such noise will be considered unreasonably loud under the circumstances if:
 - a. Such noise is clearly audible at a distance of fifty (50) feet from the property line of that residence or business;
 - b. At a distance of fifty (50) feet from the property line such noise is louder than that of a normal conversation between two (2) people; and
 - c. Such noise would be unreasonably loud and disturbing to the average member of the community under the circumstances.

It is important to note that the time period specified in the COHM falls outside of the Tommy Car Wash normal operating hours (7 a.m. to 9 p.m.). Additionally, these types of qualitative descriptions do not provide any quantitative acoustical criteria for comparison or enforcement. However, based on Table 2, we can quantify the noise levels of normal conversation between two people as typically ~60 dBA.

Noise Study

To determine the existing sound levels at the Hudsonville Tommy Car Wash site, ABD performed long-term sound level measurements over a 24-hour period. The noise study was started on May 30, 2024, at 8:00 a.m. and was concluded on May 31, 2024, at 8:00 a.m. This time frame was chosen to capture ambient data during and outside of the Tommy Car Wash operating hours of 7 a.m. to 9 p.m. We have presented the hourly, 1-minute, and in some cases, 1-second LA_{eq} depending on the variability of the noise source.

Atmospheric Conditions

ABD performs noise measurements within the weather limitations specified in ANSI S12.9 *Quantities and Procedures for Description and Measurement of Environmental Sound* and S12.18 *Outdoor Measurement of Sound Pressure Level* for environmental noise measurements. Data measured during higher wind speeds risk reliability contamination due to wind noise on the microphone, and repeatability limitations due to the directionality of the receiver relative to the noise source. High wind speeds were only present for a one-hour period before business hours on May 31, 2024 during the measurement period.

The environmental conditions were obtained from www.wunderground.com for the Gerald R. Ford International Airport Weather Station (KMIGRAND151), in Grand Rapids, MI. Figure 1 summarizes the weather parameters during the measurement period.

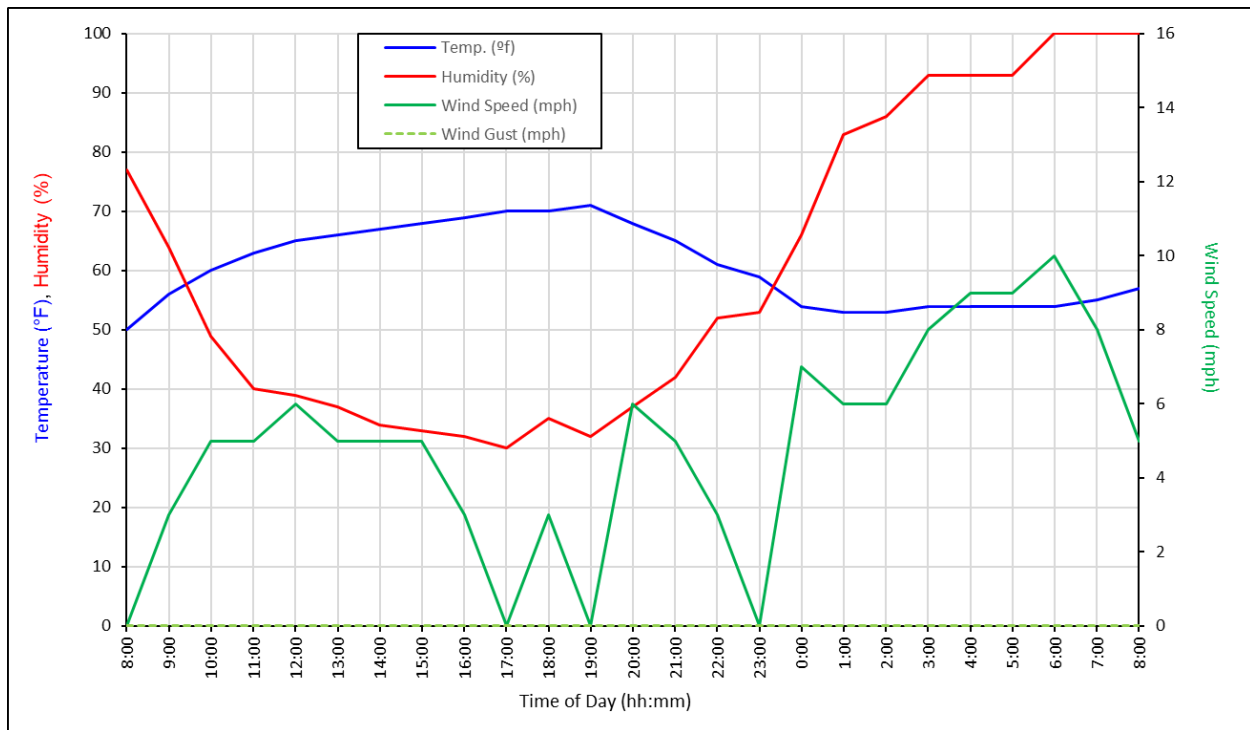


Figure 1: Environmental Conditions During Noise Study on May 30, 2024

Long Term Measurements

To determine the existing outdoor noise levels at the site, ABD conducted long term sound level measurements at three locations as seen in Figure 2 and described below:

Location M1: east property line, near entrance to car wash

Location M2: south, along 32nd Ave

Location M3: west property line, near exit of car wash

Location M4: north, near vacuums

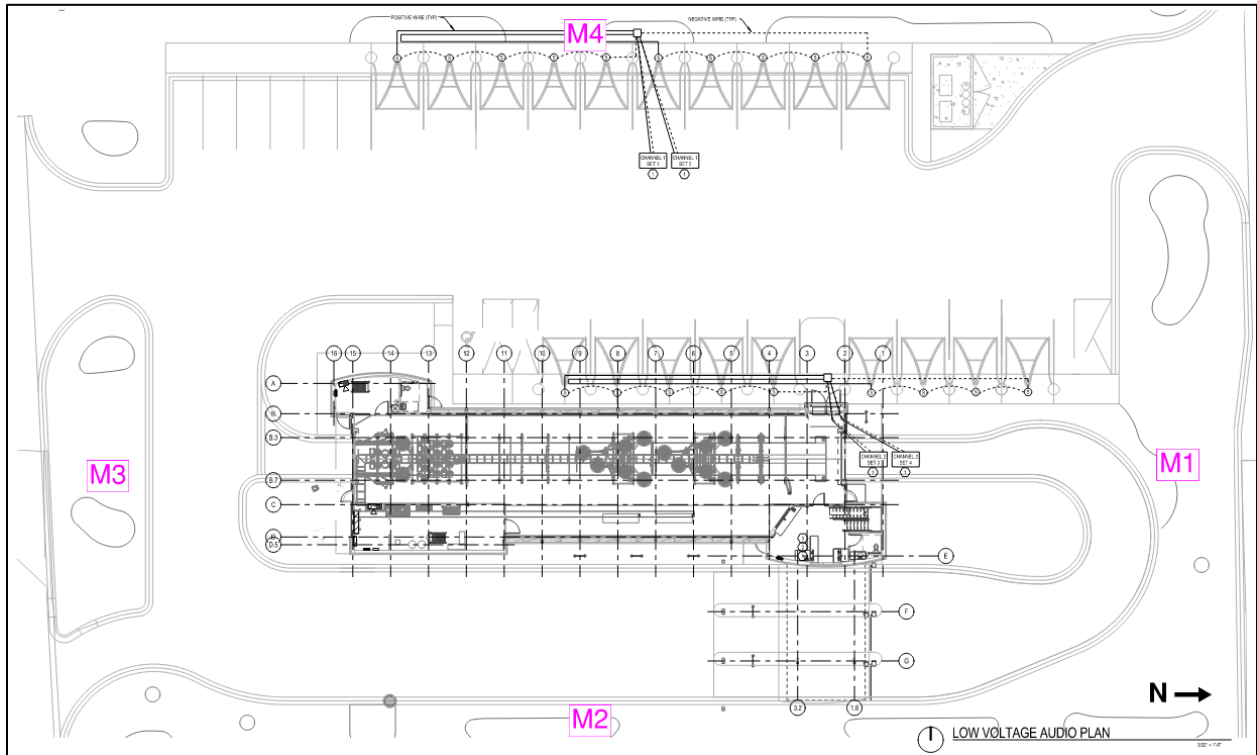


Figure 2: Hudsonville Site Plan with Long-Term Measurement Locations

The long-term measurements (M1 – M4) were taken using the Soft dB Piccolo II sound level meters located at the four sides of the car wash (shown in magenta in Figure 2). All meters were set to run with a 1-second sampling interval and using exponential (slow) detector integration. The time-history results of these long-term measurements are shown in Figures 3 through 6 in terms of 1-second LA_{eq} sound levels over the 24-hour measurement period. The operating hours of the TCW are highlighted by the yellow box.

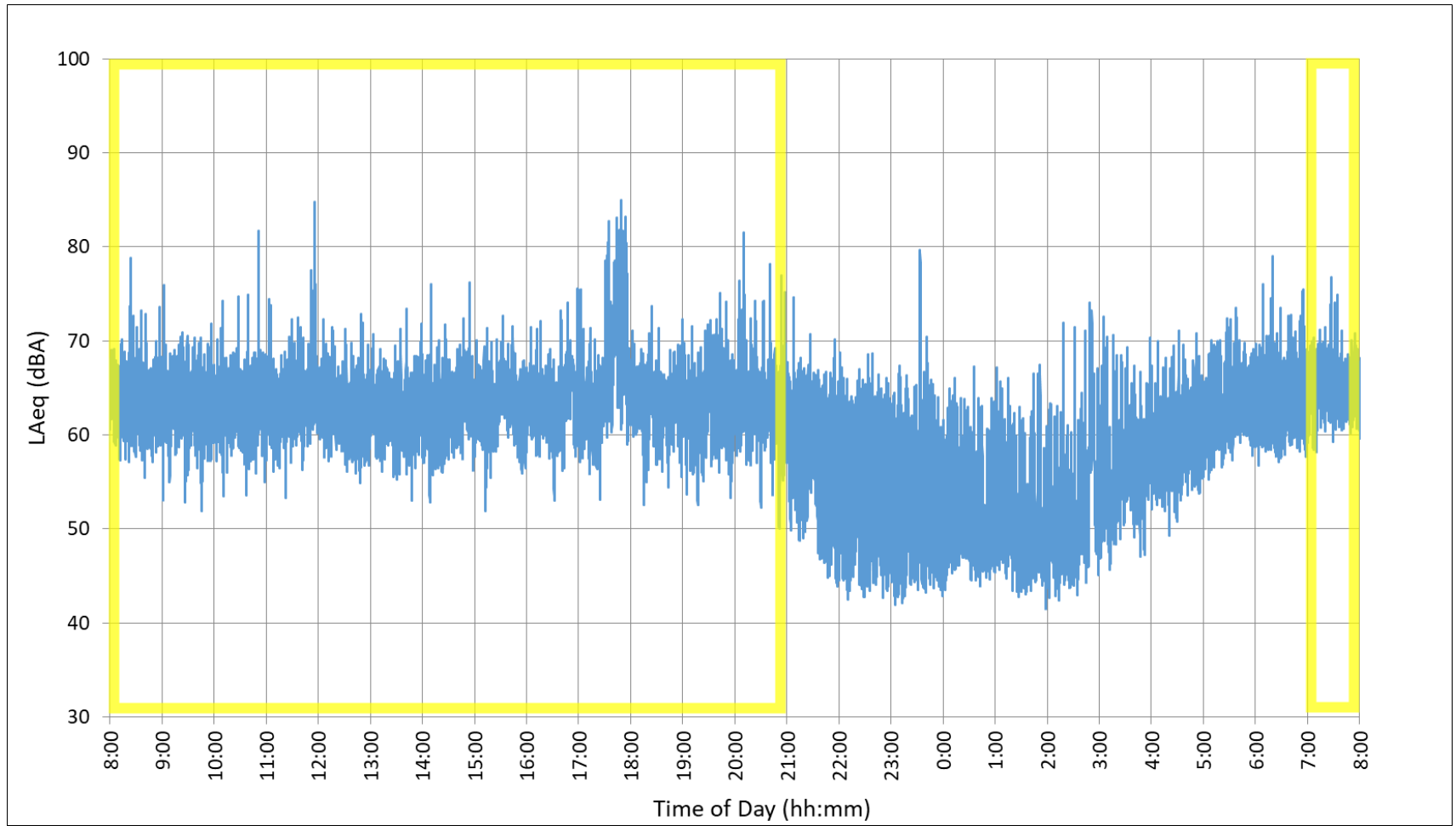


Figure 3: Location M1 (Car Wash Entrance) – 1-Second LAeq Sound Levels

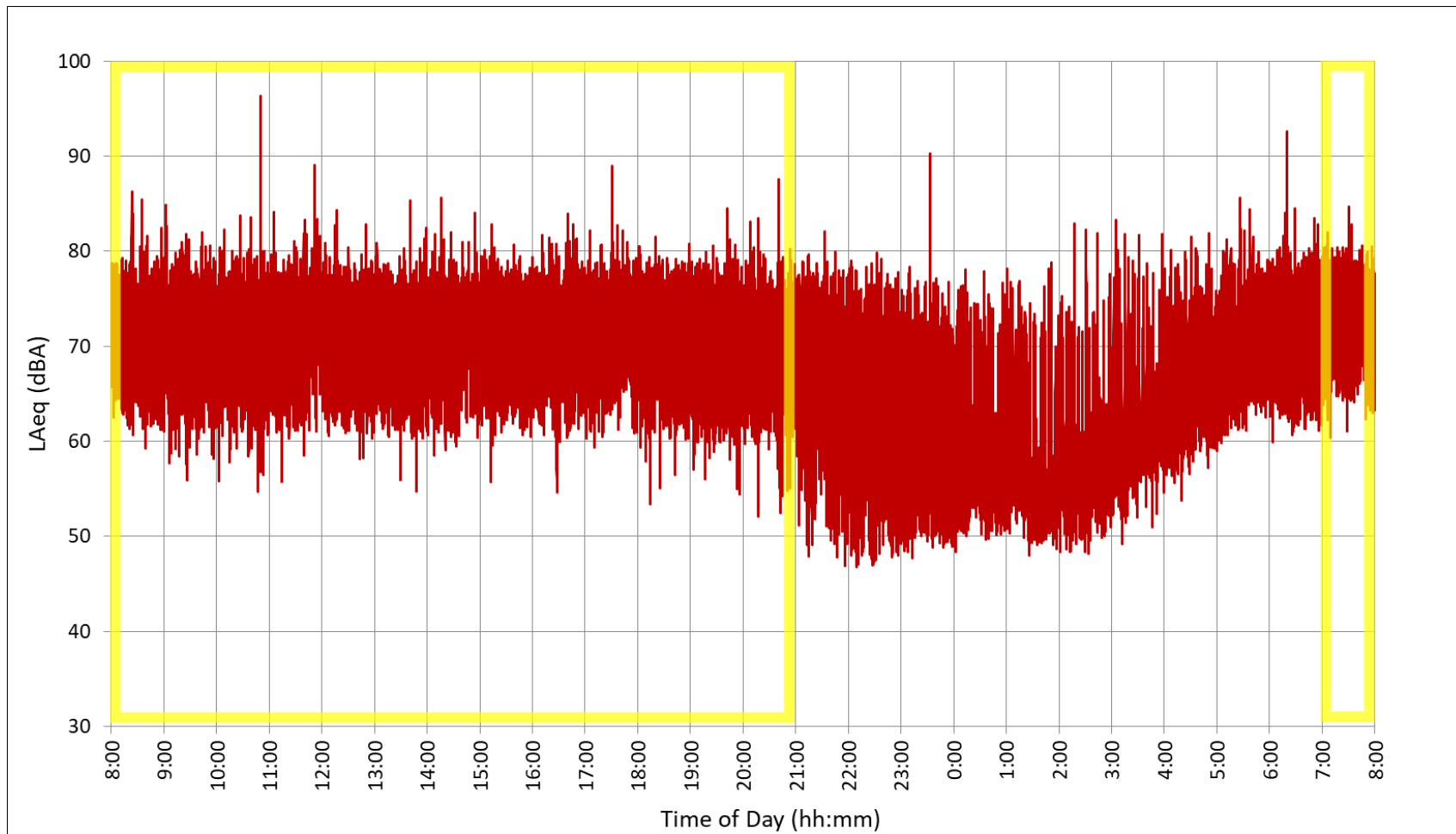


Figure 4: Location M2 (32nd Ave) – 1-Second LAeq Sound Levels

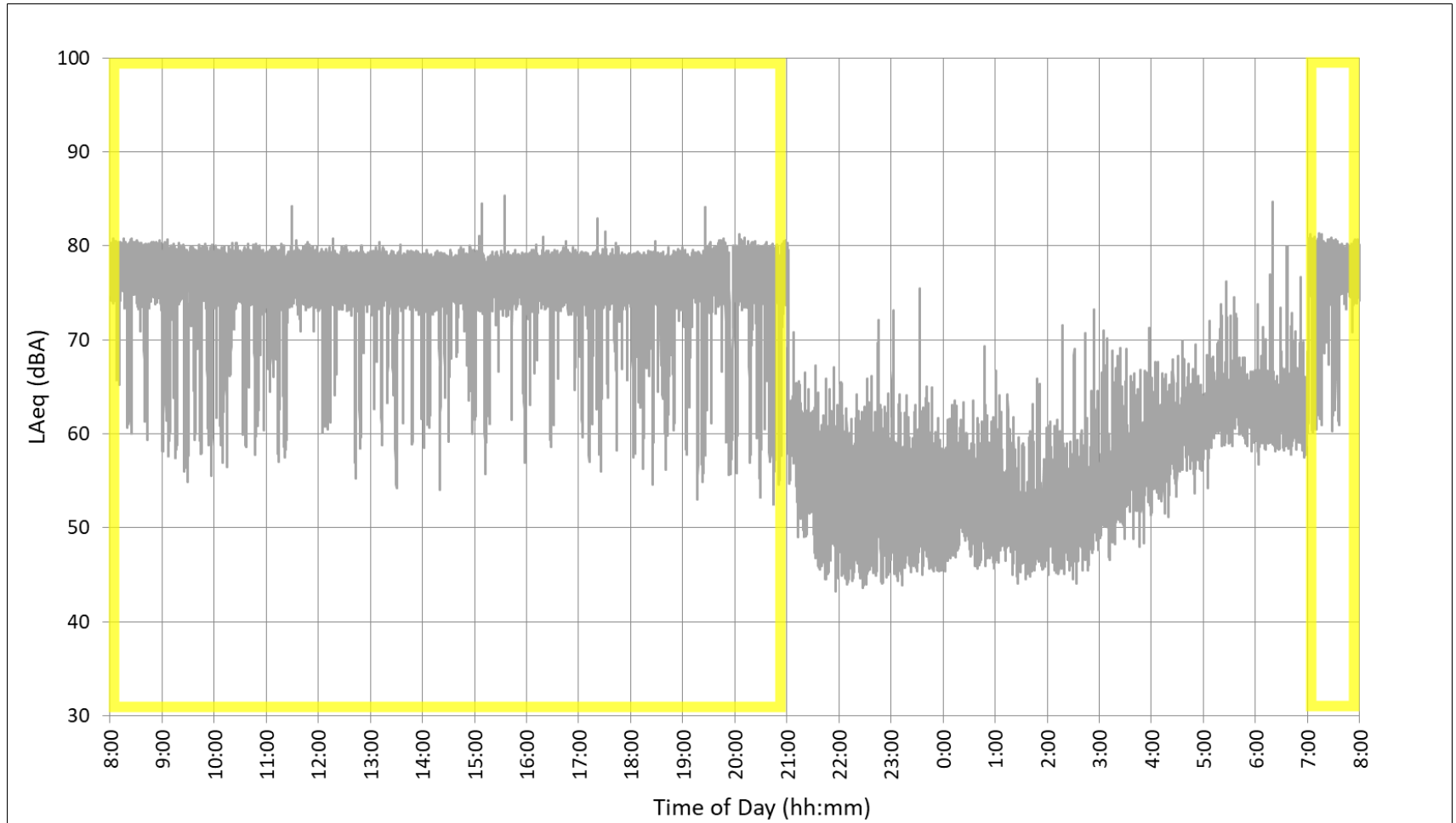


Figure 5: Location M3 (Car Wash Exit) – 1-Second LAeq Sound Levels

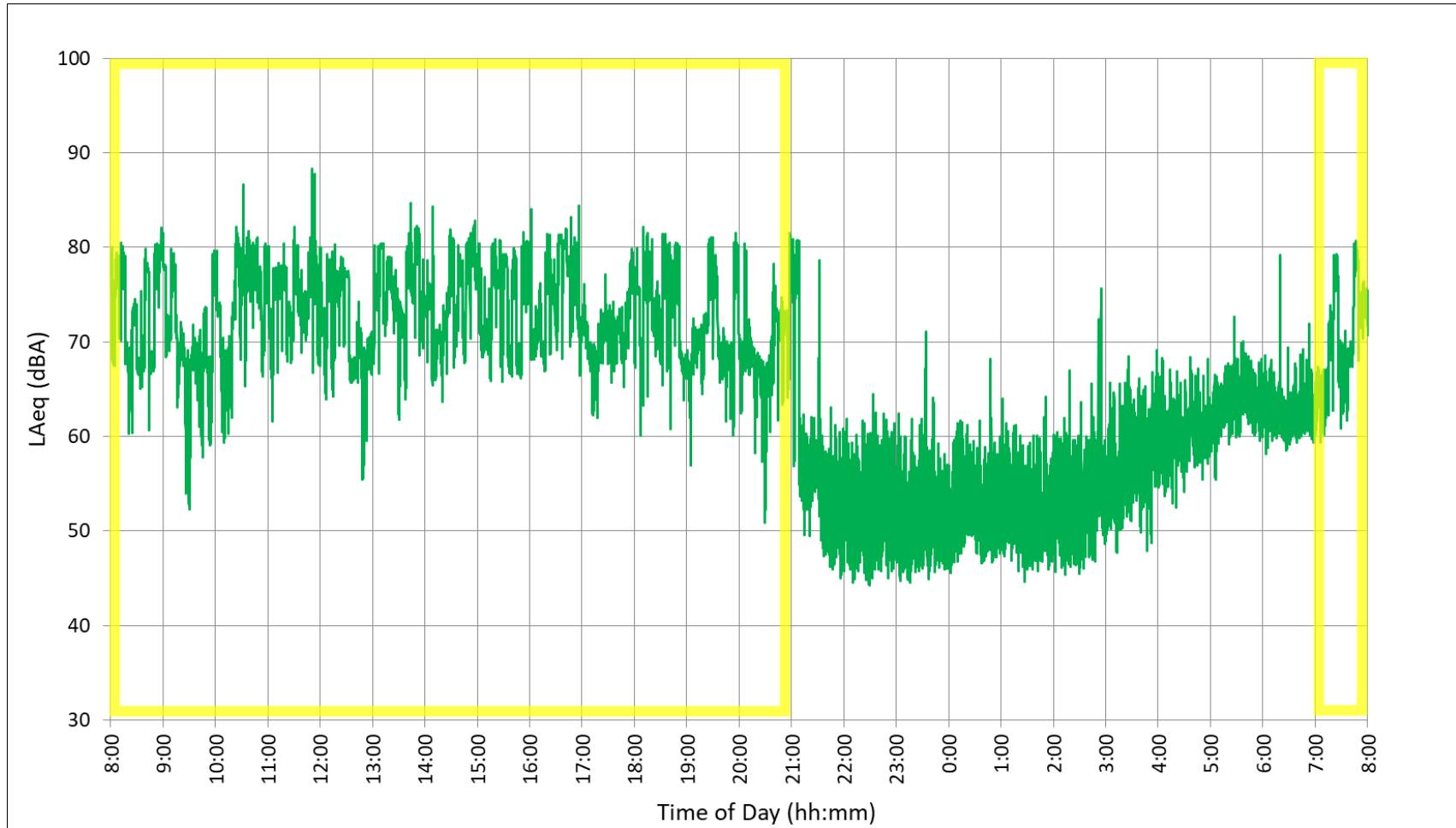


Figure 6: Location M4 (Vacuums) – 1-Second LAeq Sound Levels

As the figures above show, noise levels were significantly higher during the daytime while the car wash is in operation. Locations M1, M2, and M3 are close to 32nd Ave and influenced by traffic noise, with M2 being closest. Despite the noise from 32nd Ave, all measurement locations show noticeable noise impact during the car wash operation. Location M4 is located by the vacuums on the north side of the Tommy Car Wash and is shielded from traffic noise by the building. The maximum peaks in noise levels throughout the day are identifiable as emergency vehicles, and the elevated levels at M1 between 5 pm and 6 pm on May 30th are likely caused by activity near the Piccolo II meter M1 and unrelated to normal TCW operations.

Figure 3 shows the car wash noise levels at the entrance of the TCW. While the noise from inside the car wash generates significant noise levels at the entrance, the noise levels at M1 are not consistent. Noise levels at the car wash exit, shown in Figure 5, are consistently higher, around 77 to 80 dBA during operating hours, due to the blowers. Noise levels at M1 and M3 drop to nighttime ambient levels once TCW is closed, showing direct correlation between the heightened noise levels and operating hours.

Figure 5 shows the impact of traffic noise near 32nd Ave to the south of TCW and shows daytime levels between 55-80 dBA during operating hours, depending on traffic volume throughout the day.

Figure 6 shows the measured noise levels near the vacuums to the north of the TCW building at the M4 position. Traffic noise is largely absent at this position, and the measured noise levels vary significantly due to inconsistent vacuum usage by customers. Noise from the car wash building is also much lower at M4, and noise drops to ambient nighttime levels once TCW is closed.

Short Term Measurements

In 2020, ABD completed measurements at this TCW location to capture short term measurements of the main noise-generating equipment. These measurements captured the frequency content of each of these noise sources and overall A-weighted noise levels (dBA) of the car wash operation.

The blowers and vacuums have been updated at the Hudsonville location and will be the new basis of design for future TCW locations. To determine the noise levels of this updated equipment at the site, ABD conducted sound level measurements using Larson Davis 831 sound level meters at the locations described and seen in Figure 7 below:

Location 1: Tunnel Entry

Location 2: Tunnel Exit

Location 3: Vacuums

Location 4: Blower Room

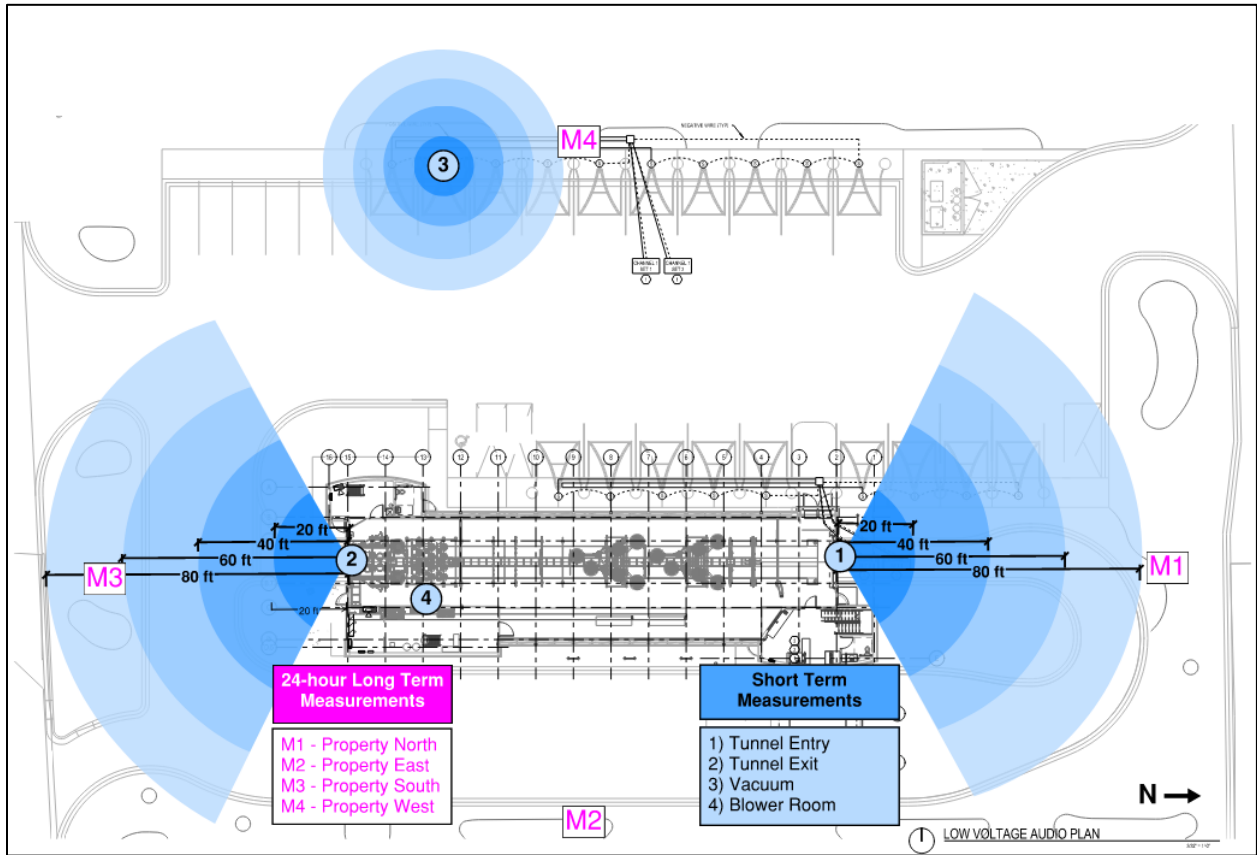


Figure 7: Site Plan with Short Term Measurement Locations

The main contributors of noise are the blowers, which generate significant noise at the exit of the car wash; the vacuums, which operate outside the car wash and can collectively add significant noise in the parking lot; and the entry where cars are being washed and announcements are taking place. The exit noise created by the blowers is the primary noise source and generates noise far above the ambient background noise when the car wash is not in operation.

Table 3 below shows the short-term measurement results at key areas during the 2020 and 2024 measurements.

Table 3: Short-Term Measurement Comparison 2020 vs 2024

#	Location	2020 Measured Sound Pressure Level (dBA)	2024 Measured Sound Pressure Level (dBA)
1a	Tunnel Entry (0 ft)	86	84
1b	Tunnel Entry (40 ft)	70	69
1c	Tunnel Entry (80 ft)	n/a	65
2a	Tunnel Exit (0 ft)	95	101
2b	Tunnel Exit (40 ft)	83	86
2c	Tunnel Exit (80 ft)	79	78
3a	Vacuum	81	78
3b	Vacuum (60 ft)	73	69
4	Blower Room	106	104
5	Ambient at Exit (80 ft)	n/a	53

As the table indicates, the noise levels at the car wash entry are slightly lower, but a 1-2 dBA difference is not noticeable to an average listener. The 2024 blower noise levels at the tunnel exit are 5-6 dBA higher than 2020 measured noise levels. As stated by Table 1 in the Acoustical Terminology section, this increase in noise level is clearly noticeable. However, as indicated by the 40 ft and 80 ft measurements, the blower noise levels decrease with distance to 78 dBA, which is close to the 2020 noise levels. We note that 15 of the total 18 blowers were active during measurements. If all 18 blowers are operating simultaneously, we predict a 1 dB increase in the noise levels at the exit, which is not a noticeable increase but may be impactful for meeting noise level limits set by local noise ordinances.

Although these noise levels at 80 ft are similar, they are still 20-25 dBA louder than the measured background noise levels. For the 2024 Hudsonville ambient noise levels, we measured 53 dBA with no car wash operation and only light traffic. During this early morning condition, the resulting increase in noise level with the operating blowers is significantly louder and exceeds some noise limits of city noise ordinances, such as the Byron Center noise ordinance.

Conclusion

Since the COHM does not specify quantifiable limits on noise levels at property lines during daytime hours, it is not possible to confirm if the measured noise levels would constitute a violation of the ordinance. Note that the COHM specifies that noise levels are not to exceed normal conversation levels between the hours of 9 p.m. and 7 a.m., when TCW is closed.

While the COHM may not technically apply, the noise levels at the TCW exit are significantly high, with the blowers being the main source. During car wash operation, the blowers consistently generate approximately 80 dBA at the property line. Due to the high level of noise generated by the blowers, we recommend providing mitigation to reduce the noise level at the property line, so that there are fewer disturbances to neighboring properties. Possible mitigation strategies include noise barriers, adding absorptive materials at the blower area, modifying how the blowers are utilized, or installing quieter blowers. If it is desired to analyze and develop these mitigation strategies, we will analyze potentially achievable noise reductions in Phase 2: Mitigation Recommendations upon approval.

Finally, note that our comments only apply directly to acoustics; we cannot comment on such things as local codes, ordinances, electrical systems, fire suppression systems, or any other non-acoustic issues. Our recommendations should be reviewed by the appropriate design professionals for code compliance before they are implemented.

If you have any questions, please contact us.

Sincerely,

ABD Engineering & Design, Inc.

Per:



John Kramer
Acoustical Consultant



Quincey Smail, INCE Bd. Cert.
Senior Acoustical Consultant

cc: Melinda Miller, Marci Boks – ABD Engineering & Design



Tommy Car Wash Systems | 581 Ottawa Ave. | Holland, MI 49423 | tommycarwash.com

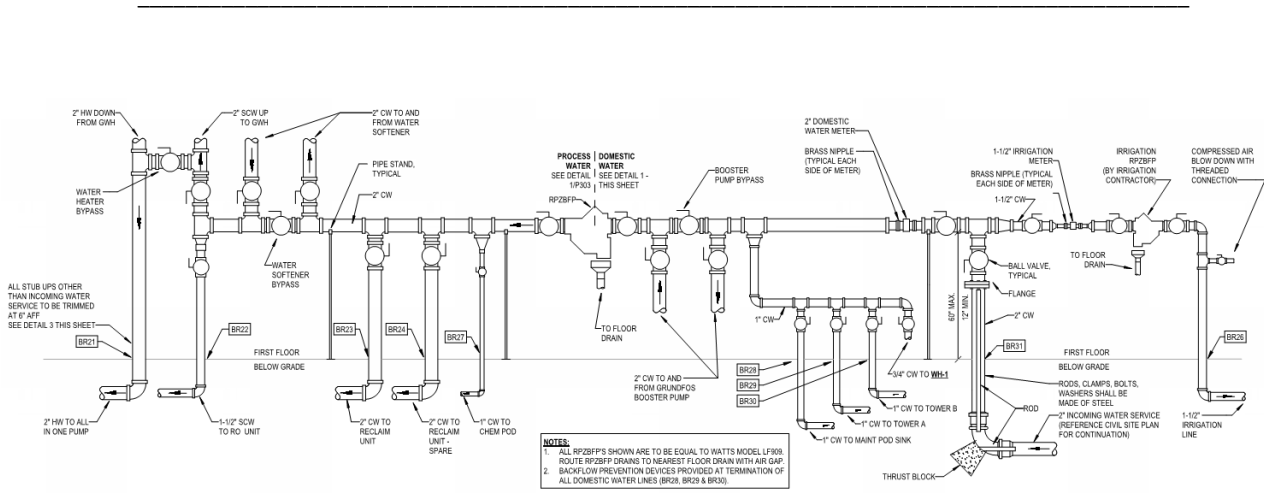
Tommy Car Wash Systems – Water Usage and Discharge Report

The following information is based on a study conducted at a standard 130’ Tommy Express facility over the course of a six-month period from 7/1/20 to 12/31/20 at our Tommy’s Express Hudsonville, MI location. This site uses the typical reverse osmosis water purification system and water reclamation system (reclaim) used in all our sites. The belt speed during this study was set to 72Hz which has the capacity to process 223 vehicles per hour. The test site is a “busier” site with high process speed.

Water used

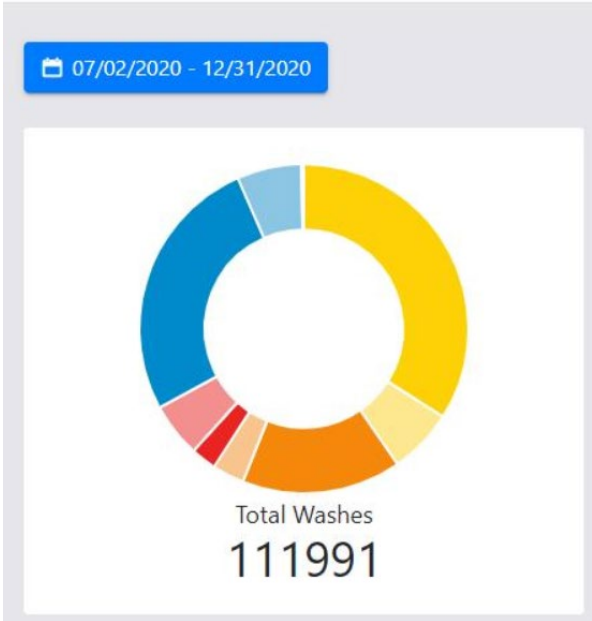


The average gallons used at this site per month is 336,040. This information was recorded directly from the process water flow meter consistently over the six-month period from July 1 through December 31 of 2020. Our design isolates the irrigation system from car wash process water. Domestic water is included in the flow measurements.



2 DOMESTIC WATER ENTRANCE NOT TO SCALE

The total cars washed



This report is directly from our site point of sale system on site. While showing several different wash packages, it projects the typical averages seen at other sites over the same period.

Reverse Osmosis & RO Reject Water Usage

City water is fed into our reverse osmosis system to remove contaminants and provide spot-free water with very low Total Dissolved Solids (TDS). This water is used for the final Spot-Free Rinse and is stored in a tank. Reject water from the RO system is used in the High-Pressure Rinse earlier in the Tommy Tunnel. This water is also stored in a tank.

Our per vehicle application volume factors these applications into total.

Reclaim Water Usage

The reclaim system in the Tommy Tunnel collects, treats, and reuses water that enters the pit below the tunnel. This water is reused in the Tommy Tunnel for Pre-Blasters, High Pressure Wheel Blasters, and Conveyor Flush. The Conveyor Flush reclaim water goes right back into the pit and reclaim system so is not included. The following table outlines reclaim usages in the tunnel with 13.81-gallons of reclaim water used per vehicle. The total number was verified with a flow meter.

Function	Flow Rate (GPM)	PLC Timing Information				Application Time (seconds)	Water Amount Used (Gallons)		
		START Front	STOP Rear	Application Length (inches)					
Pre-Blasters	24				10.9	4.36			
High Pressure Pump 1	15	29	30	281	19.2	4.81			
High Pressure Pump 2	15	24	23	271	18.6	4.64			
						13.81	= Total Reclaim Water		

Attrition – Carryout and Evaporation

Studies* have been done nationally on what the carwash industry calls carryout and evaporation (C&E). The consistent C&E average is 20% nationwide and is not shown to be environmentally biased. This factor is applied to the total water usage per vehicle.

Conclusions

Based on the previous data, the **average city water usage** per vehicle is **18 gallons per vehicle = 2,016,239 gallons / 111,991 vehicles**. This includes RO/Reject water due to these functions feeding from prefilled tanks which are filled in the first day of operation.

Additionally, we use 13.81 gallons per vehicle of **reclaim water**. This brings our **total water per vehicle** to **31.81 gallons per vehicle = 18 city water + 13.81 reclaim**. Reclaim water is used for 43% of our car washing.

Reclaim water is constantly in rotation in our system with tanks filled in first day of operation. The city water usage is higher than the reclaim so it is appropriate to conclude the city water is a proper pass-through volume per car less the effect of attrition. With attrition (C&E) applied to total water volume used per vehicle, the **reclaimed volume per vehicle** is then **25.45 gallons per vehicle = 18 city + 13.81 reclaim x 0.80 percent**. 13.81 gallons of the reclaimed water refills the tanks which leaves **total discharge per vehicle** at **11.59 gallons per vehicle = 24.45 reclaimed – 13.81 reclaim replaced**.

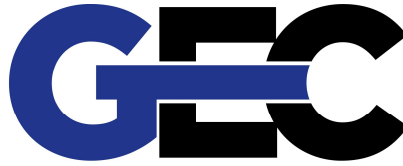
Summary

City water used per vehicle = **18 gallons**

Discharge water per vehicle = **11.59 gallons**

[*Brown, Chris. 2018. Water Use, Evaporation and Carryout – ICA 2018](#)

General Engineering Company
P.O. Box 340
916 Silver Lake Drive
Portage, WI 53901



608-742-2169 (Office)
608-742-2592 (Fax)
gec@generalengineering.net
www.generalengineering.net

Engineers • Consultants • Inspectors

February 20, 2026

VIA EMAIL

City of Watertown
Maureen McBroom, Stormwater Project Manager
106 Jones Street
Watertown, WI 53094

Re: Site Stormwater Management
Proposed Tommy's Car Wash
Tax Parcel 291-0815-0932-009
City of Watertown
GEC # 01-25000-677

The proposed development involves redevelopment of the existing Scrambled Yolk restaurant site in the City of Watertown, WI. The current site consists of a restaurant building, associated parking, sidewalks, and accessory storage sheds. All existing improvements will be razed to allow construction of a new car wash facility and related site improvements.

The proposed site layout includes approximately 24,310 square feet of paved area and 4,612 square feet of building area. The redevelopment results in an approximate reduction of 8,000 square feet of impervious surface compared to existing conditions. Given the net decrease in impervious area, the proposed development is not expected to increase stormwater runoff from the site.

Total land disturbance associated with this redevelopment is less than one acre; therefore, the project is not subject to state or municipal post-construction stormwater management requirements. Stormwater runoff from the majority of the site will be conveyed via overland flow to proposed inlets located throughout the development. A small portion of the site will continue to drain toward the S. Church Street entrance, consistent with existing drainage patterns. An existing trench drain at this location currently captures runoff and, based on its performance under existing conditions and the overall reduction in impervious area, is expected to remain adequate for the proposed redevelopment.

Collected stormwater will discharge via storm sewer to the existing storm manhole located along the south side of the site. Based on available information, no known downstream capacity concerns exist. With the overall reduction in impervious surface, the existing storm infrastructure is expected to adequately convey runoff from the redeveloped site.

Overall, the proposed redevelopment maintains existing drainage patterns, reduces total impervious area, and continues to utilize the existing storm sewer infrastructure without adversely impacting surrounding properties.

Yours truly,

GENERAL ENGINEERING COMPANY

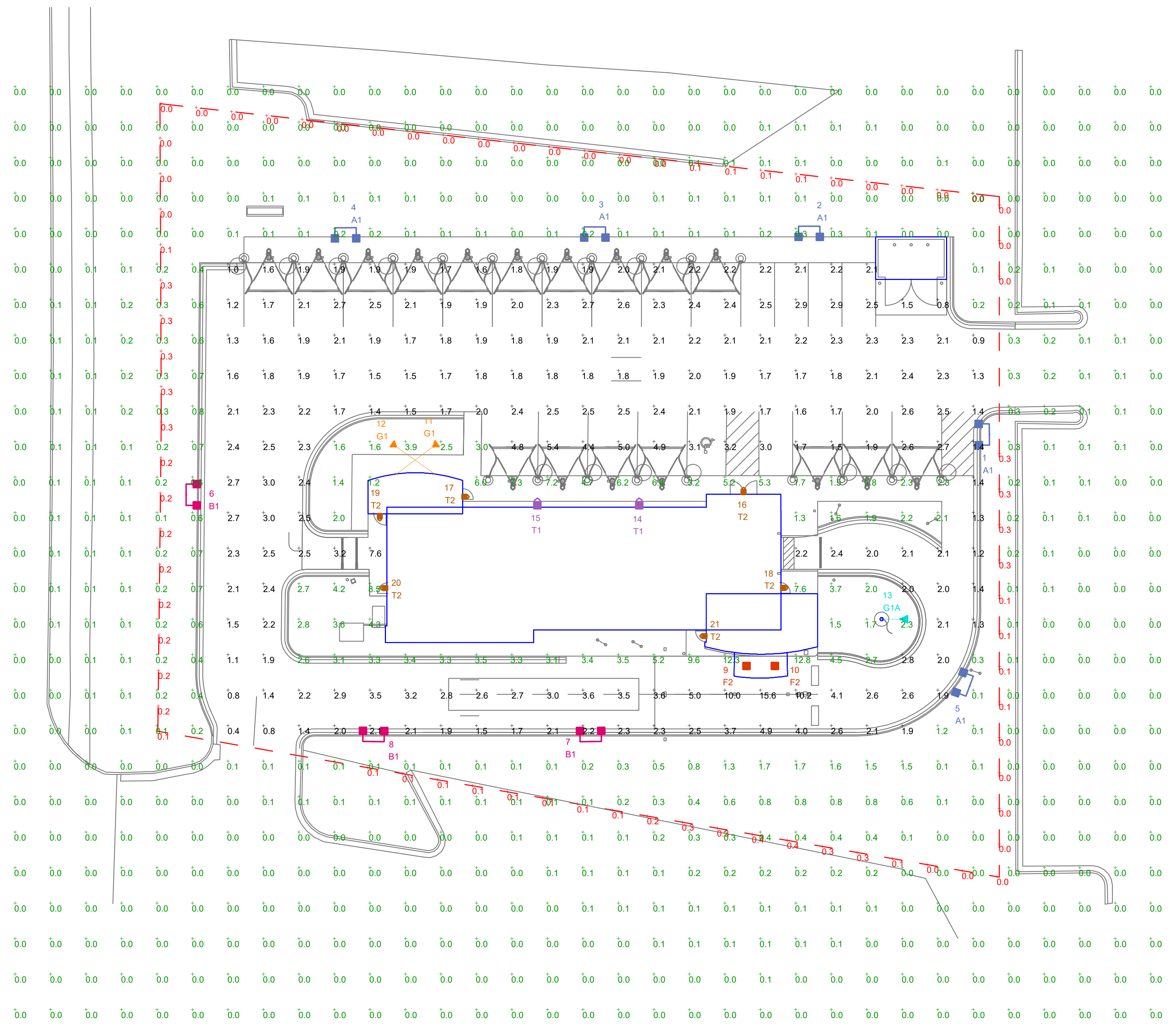
Kory D. Anderson, P.E
Project Engineer

Portage • Black River Falls • La Crosse



Consulting Engineering • Structural Engineering • Building Design • Environmental Services • Building Inspection • GIS Services
Grants & Funding Services • Land Surveying • Zoning Administration • Mechanical, Electrical, & Plumbing Services





LUMINAIRE LOCATION SUMMARY				
LUM NO.	LABEL	MTG. HT.	Tilt	
1	A1	20	0	
2	A1	20	0	
3	A1	20	0	
4	A1	20	0	
5	A1	20	0	
6	B1	20	0	
7	B1	20	0	
8	B1	20	0	
9	F2	15	0	
10	F2	15	0	
11	G1	1	130.179	
12	G1	1	129.228	
13	G1A	1	169.608	
14	T1	15	0	
15	T1	15	0	
16	T2	9	0	
17	T2	9	0	
18	T2	9	0	
19	T2	9	0	
20	T2	9	0	
21	T2	9	0	

NOTE:
 - AREA LIGHTS ON NEW 17 FT. POLES MOUNTED ON 3 FT. CONCRETE BASES
 - FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES UNLESS NOTED OTHERWISE.


CALCULATION SUMMARY					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	2.39	15.6	0.4	5.98	39.00
PROPERTY LINE	0.11	0.4	0.0	N.A.	N.A.
UNDEFINED	0.41	12.8	0.0	N.A.	N.A.

LUMINAIRE SCHEDULE											
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	DIMMING FACTOR	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	5	A1	Twin	8523	1.040	0.370	B0-U0-G3	28	280	Lithonia Lighting	DSX0-LED-P4-50K-BLC4-70CRI-MVOLT-MA-FAO-XX (SETTING 2)
	3	B1	Twin	8964	1.040	0.370	B0-U0-G2	28	168	Lithonia Lighting	DSX0-LED-P4-50K-BLC3-70CRI-MVOLT-MA-FAO-XX (SETTING 2)
	2	F2	Single	6337	1.040	1.000	B2-U0-G1	38.54	77.08	Lithonia Lighting	PCNY LED ALO2 SWW2 50K FPCL MVOLT DWHXD M3 (SETTING 2)
	2	G1	SINGLE	5011	1.000	1.000	B2-U0-G0	34.31	68.62	Lithonia Lighting	ESXF1-ALO-5,000L-SWW2-5000K-KY-DDB
	1	G1A	SINGLE	7170	1.040	1.000	B2-U0-G2	51.34	51.34	Lithonia Lighting	RSXF1-LED-P1-50K-WFL-MVOLT-IS-DNAXD
	2	T1	SINGLE	4152	1.040	1.000	B1-U0-G1	29.4252	58.85	Lithonia Lighting	ARC2-LED-P4-50K-MVOLT-DNAXD
	6	T2	SINGLE	1598	1.040	1.000	B0-U0-G1	10.6112	63.667	Lithonia Lighting	ARC2-LED-P1-50K-MVOLT-E4WH-DNAXD

QTY	LABEL	DESCRIPTION
5	A1	DSXO-LED-P4-50K-BLC4-70CRI-MVOLT-MA-FAO-XX (SETTING 2)
3	B1	DSXO-LED-P4-50K-BLC3-70CRI-MVOLT-MA-FAO-XX (SETTING 2)

ADDITIONAL FIXTURE INFO

D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.44 ft² (0.041 m²)
 Length: 18.1" (457 mm)
 Width: 14.6" (370 mm)
 Height H1: 2.26" (57 mm)
 Height H2: 7.42" (188 mm)
 Weight: 23.65 (5.31 kg)

Introduction

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information


EXAMPLE: DSXO LED P6 40K 70CRI T3M MVOLT SPA NLJARD PIRHN DBX0

Series	LEDs	Color Temperature	Color Rendering Index	Distribution	Height	Accessories
DSX0	P1 P2 P3 P4 P5 P6	40K	90CRI	NR	15'	
		50K	90CRI	NR	15'	
		50K	90CRI	NR	15'	

QTY	LABEL	DESCRIPTION
2	F2	PCNY LED AL02 SWW2 50K FPCL MVOLT DWHXD M3 (SETTING 2)

ADDITIONAL FIXTURE INFO

PCNY LED LED Canopy/Ceiling Luminaire



Specifications

Width: 19.4"
 Height: 15.2"
 Weight: 10.67 lbs

Introduction

The all-new PCNY LED luminaire is designed to provide exceptional energy savings and versatility in one package. Features such as Adjustable Lumen Output (ALCO) and replaceable decorative cover make PCNY LED suitable for a wide variety of applications.

Ordering Information

EXAMPLE: PCNY LED AL01 S0K FPCL MVOLT DWHXD M3

Casting	Lumens	CT	CR	CR1	PC	FL	FL/Out	Height	Wattage	Color	Packaging	Code	SPC	Part #
PCNY LED AL01 S0K FPCL MVOLT DWHXD M3	7,500-13,000	50K	90CRI	PC	FL	FL/Out	15'-27'	46-64	44W	White	Master Pack 3	28165A	1962619149	36

QTY	LABEL	DESCRIPTION
2	G1	ESXF1-ALO-5,000L-SWW2-5000K-KY-DDB

ADDITIONAL FIXTURE INFO

Contractor Select ESXF LED Floodlights Adjustable+Switchable+Photocell



Specifications

Beam Diameter: 2.1 ft (0.2 m)
 Length: 20.7" (52.6 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 Weight: 25 lbs (11.3 kg)

Introduction

The Lithonia Lighting ESXF LED floodlight is a general purpose flood that offers a wide lighting application and flexibility. Easy access adjustable lumen output, color switching, and a selectable photocell from the ESXF allow the fixture you need on the spot. With a wide flood (7°) distribution and a 5000K color temperature, the ESXF is a cost-effective solution, great for illuminating yards, driveways, storage yards, and security applications.

Ordering Information


EXAMPLE: ESXF LED P4 40K WFL MVOLT IS DBX0

Series	Performance Package	Color Temperature	Distribution	Height	Options
ESXF LED	P1	50K 3000K	WFL	15'-27'	
	P2	50K 4000K	WFL	15'-27'	
	P3	50K 5000K	WFL	15'-27'	

QTY	LABEL	DESCRIPTION
1	G1A	RSXF1-LED-P1-50K-WFL-MVOLT-IS-DNAXD

ADDITIONAL FIXTURE INFO

RSXF1 LED Floodlight



Specifications

Depth (D1): 9.25"
 Depth (D2): 7.5"
 Height: 5"
 Width: 14"
 Weight: (without options) 11 lbs

Introduction

The new RSXF LED Flood family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSXF1 delivers 7,000 to 23,000 lumens allowing it to replace 70W to 400W HID floodlights.

Ordering Information


EXAMPLE: RSXF1 LED P4 40K WFL MVOLT IS DBX0

Series	Package	Color Temperature	Height	Options
ARC2 LED	P1	50K 3000K	15'-27'	
	P2	50K 4000K	15'-27'	
	P3	50K 5000K	15'-27'	

QTY	LABEL	DESCRIPTION
2	T1	ARC2-LED-P4-50K-MVOLT-DNAXD
6	T2	ARC2-LED-P1-50K-MVOLT-E4WH-DNAXD

ADDITIONAL FIXTURE INFO

ARC2 LED Architectural Wall Luminaire



Specifications

Depth (D1): 9.25"
 Depth (D2): 7.5"
 Height: 5"
 Width: 14"
 Weight: (without options) 11 lbs

Introduction

The Lithonia Lighting ARC2 LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

Ordering Information

EXAMPLE: ARC2 LED P2 40K MVOLT PE DBX0

Series	Package	Color Temperature	Height	Options
ARC2 LED	P1	50K 3000K	15'-27'	
	P2	50K 4000K	15'-27'	
	P3	50K 5000K	15'-27'	

Ordering Information

EXAMPLE: DSXO LED P6 40K 70CRI T3M MVOLT SPA NLJARD PIRHN DBX0

Series	LEDs	Color Temperature	Color Rendering Index	Distribution	Height	Accessories
DSX0	P1 P2 P3 P4 P5 P6	40K	90CRI	NR	15'	
		50K	90CRI	NR	15'	
		50K	90CRI	NR	15'	

Shield Accessories

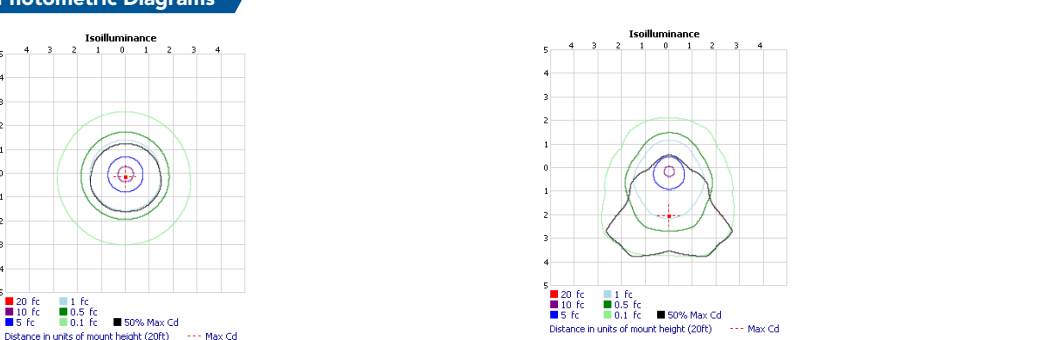
External Glare Shield (EGSR)
 House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION
 Round Tenon Mount - Pole Top Slitters
 DSXO Area Luminaire - EPA

Photometric Diagrams

Full photometric data report available with 2 weeks from request. Contact Sales Tech Support.



Performance Data

Ambient Temp	Lumen Multiplier	Percent Performance	Color
0°C	1.17	1.04	
10°C	1.15	1.02	
20°C	1.13	1.01	
30°C	1.11	1.00	
40°C	1.09	0.99	


Lumen Output Flat Polycarbonate Clear Lens (FPCL)

Performance Package	Setting	System Watts	100K Lumens	40K Lumens	50K Lumens	60K Lumens
A01	3	84	18,100	156	18,644	162

Lumen Output Forward Three Lens (FTL)

Performance Package	Setting	System Watts	100K Lumens	40K Lumens	50K Lumens	60K Lumens
A02	7	131	19,570	169	20,533	180

Contractor Select ESXF Series LED Floodlights



Included mounting options by size

ESXF 1000W mount (pole mount)
 ESXF 1500W mount (pole mount)
 ESXF 2000W mount (pole mount)
 ESXF 2500W mount (pole mount)
 ESXF 3000W mount (pole mount)
 ESXF 3500W mount (pole mount)
 ESXF 4000W mount (pole mount)

Electrical Performance Tables

Lumens Output	Input Wattage	CT (CRI)	Delivered Lumens	Lumens Per Watt (LPW)
ESXF 1,000W	119W	90CRI	18,100	152

Ordering Information

EXAMPLE: ESXF LED P4 40K WFL MVOLT IS DBX0

Series	Performance Package	Color Temperature	Distribution	Height	Options
ESXF LED	P1	50K 3000K	WFL	15'-27'	
	P2	50K 4000K	WFL	15'-27'	
	P3	50K 5000K	WFL	15'-27'	

External Shields

UVB User - Top Mounted
 UVB User - Bottom Mounted
 Full Viewer - 360°

Pole/Mounting Information

Accessories including ball joints, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

Handhole Orientation

Round Tenon Mount - Pole Top Slitters

RSX Pole Drilling

RSX Pole Drilling
 RSX Pole Mounting

Performance Data

Lumen Output

Performance Package	System Watts	100K Lumens	40K Lumens	50K Lumens	60K Lumens
P1	170W	13,800	142	14,142	121

Electrical Load

Performance Package	System Watts	100K Lumens	40K Lumens	50K Lumens	60K Lumens
P1	170W	8,800	8,800	8,800	8,800

Lumen Output in Emergency Mode (4000K, 80 CRI)

Performance Package	System Watts	100K Lumens	40K Lumens	50K Lumens	60K Lumens
EMER	60W	1,413	1,413	1,413	1,413

Lumen Ambient Temperature (LAT) Multiplier

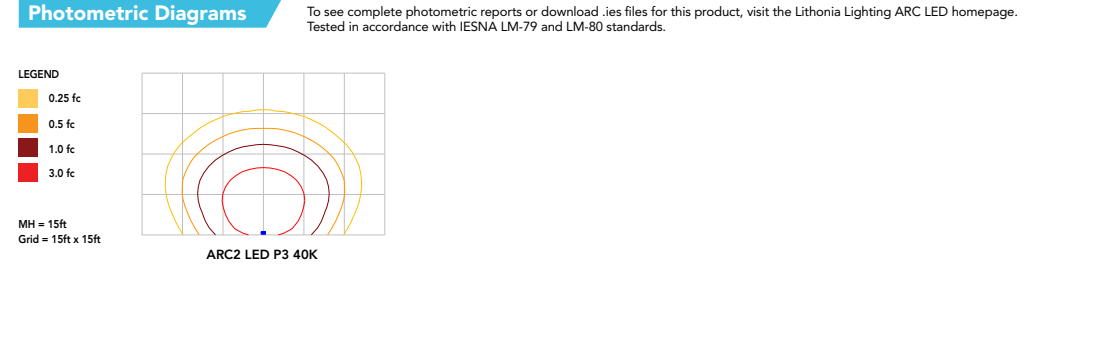
Ambient	Lumen Multiplier
0°C	1.04
10°C	1.03
20°C	1.01
30°C	0.99
40°C	0.97

Projected LED Lumen Maintenance

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>=0.96	>=0.93	>=0.88

Photometric Diagrams

ARC2 LED P3 40K



Lithonia Lighting Commercial Outdoor
 1 Acuity Way • Decatur, Georgia 30033 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 ©2019 Lithonia Lighting
 Page 2 of 9

Lithonia Lighting Commercial Outdoor
 One Lithonia Way • Conley, Georgia 30121 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 ©2019 Lithonia Lighting
 Page 2 of 9

Contractor Select ESXF Series LED Floodlights
 One Lithonia Way, Conley, Georgia 30121 • 1-800-705-7278 • www.lithonia.com
 ©2019 Acuity Brands Lighting, Inc. All rights reserved. Rev. 07/19/24

Contractor Select ESXF Series LED Floodlights
 One Lithonia Way • Conley, Georgia 30121 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 ©2019 Acuity Brands Lighting, Inc. All rights reserved. Rev. 07/19/24

Lithonia Lighting Commercial Outdoor
 One Lithonia Way • Conley, Georgia 30121 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 ©2019 Acuity Brands Lighting, Inc. All rights reserved. Rev. 08/02/22

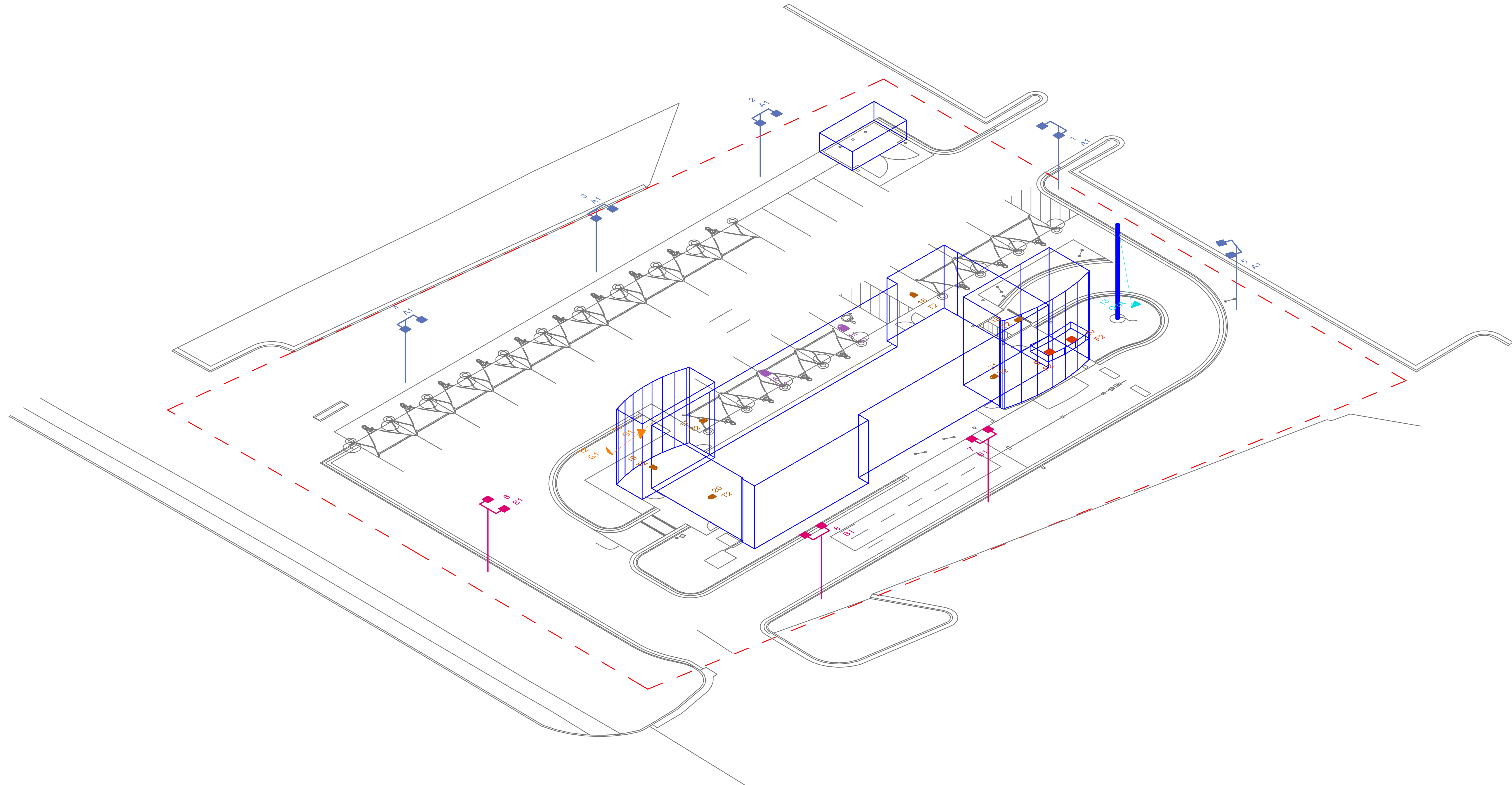


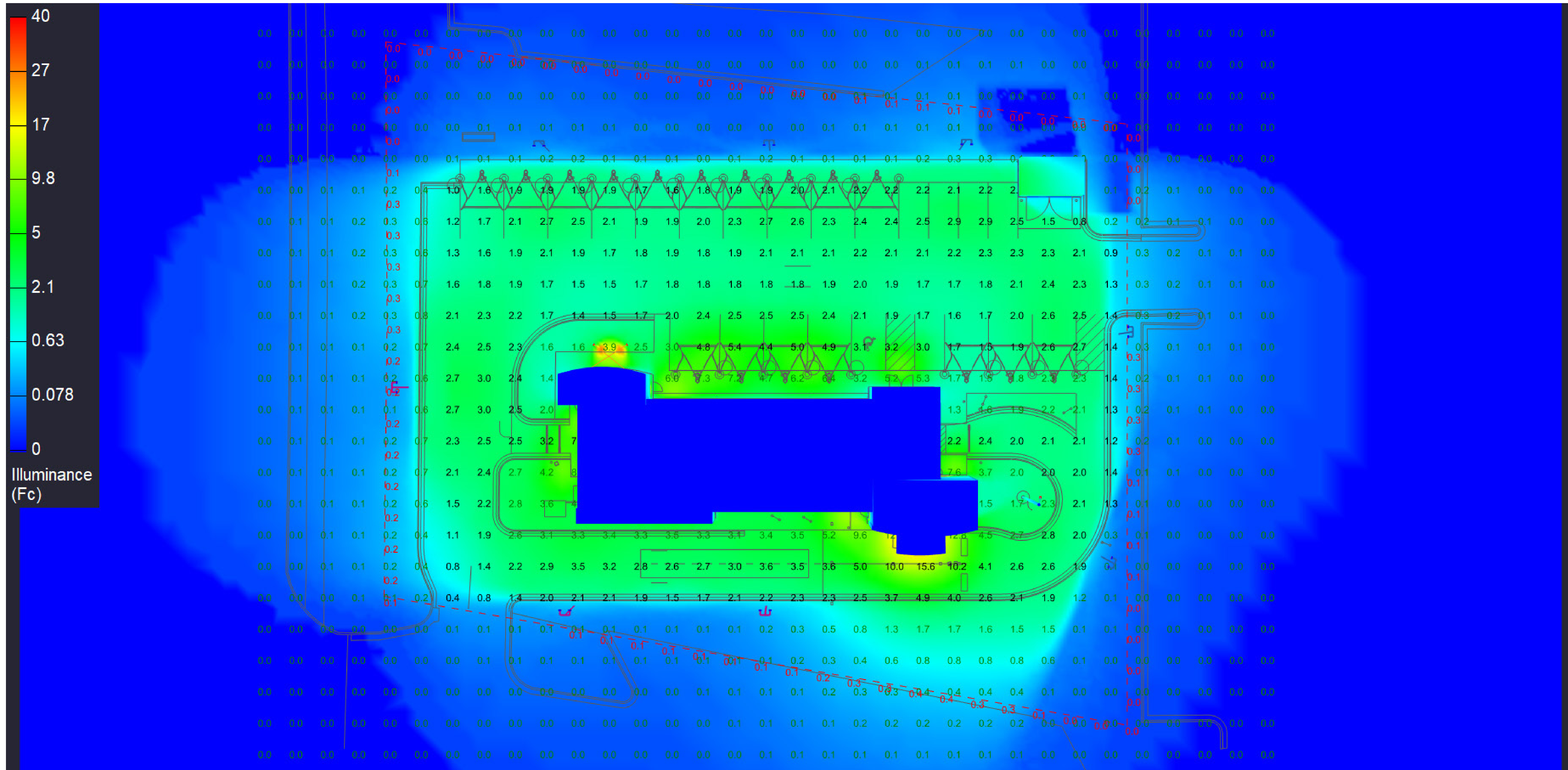
ALL SITE PLANS, FLOOR PLANS, RENDERINGS, LIGHTING LAYOUTS AND PHOTOMETRIC PLANS INCLUDING BUT NOT LIMITED TO ANY PROJECTS CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RENDERINGS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDINGS/SUBSTRATE AREA FOR PRODUCT(S) SUCH AS EXISTING POLES, ANCHOR BOLTS, BASES, ARCHITECTURAL AND SIGNAGE STRUCTURES, LANDSCAPING PLANS, LIGHTING PLANS, FIXTURE SELECTIONS AND PLACEMENT, MATERIALS, COLOR ACCURACY, TEXTURES, AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONARD ASSOCIATES INC. DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER'S RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSONS IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE. ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWINGS, OR PROJECT(S) IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME I. LEONARD IS STRICTLY PROHIBITED.

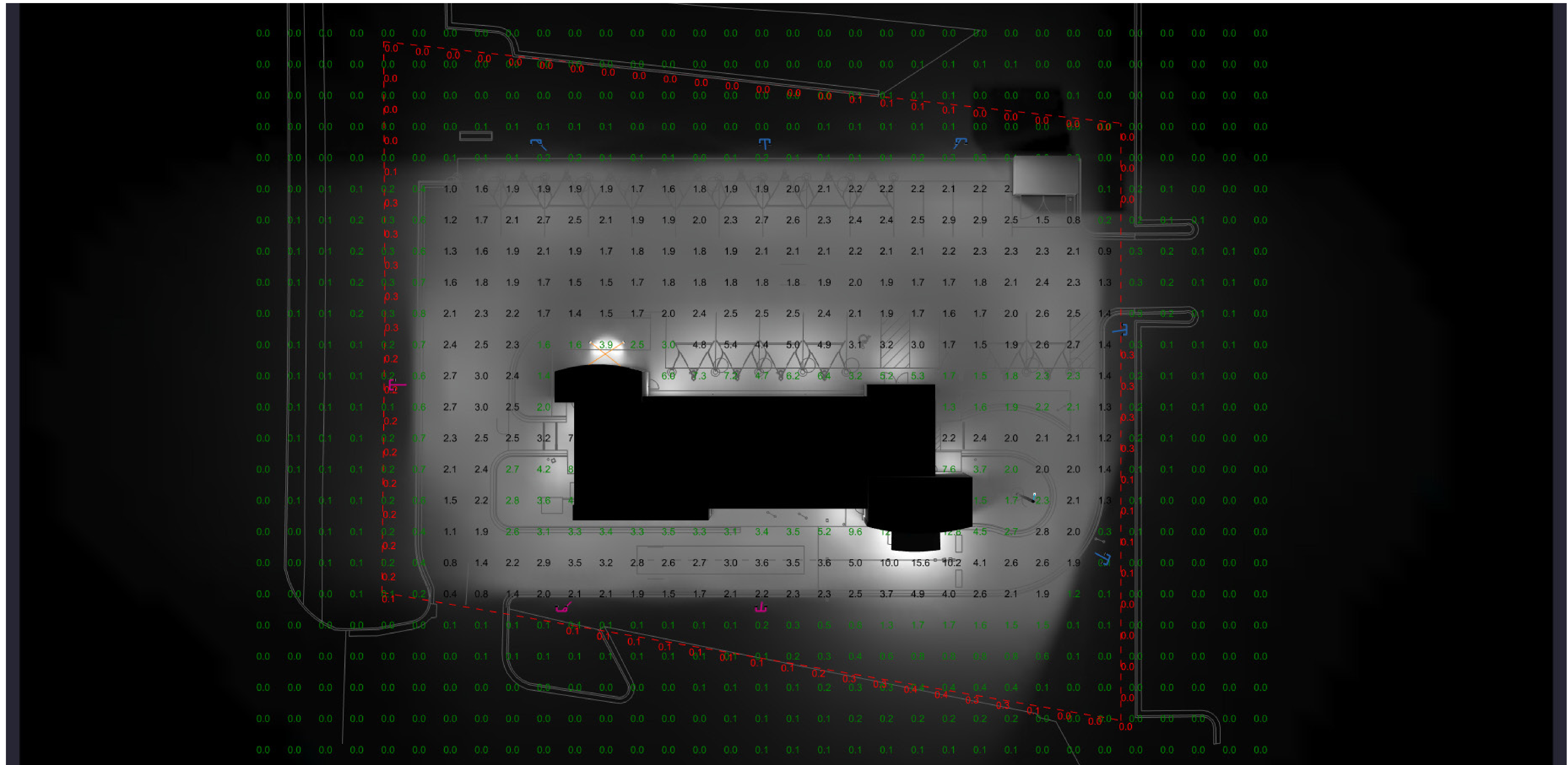
PROJECT NAME: TOMMY CAR WASH P4885
 WATERTOWN, WI
 DRAWING NUMBER: RL-11008-S1

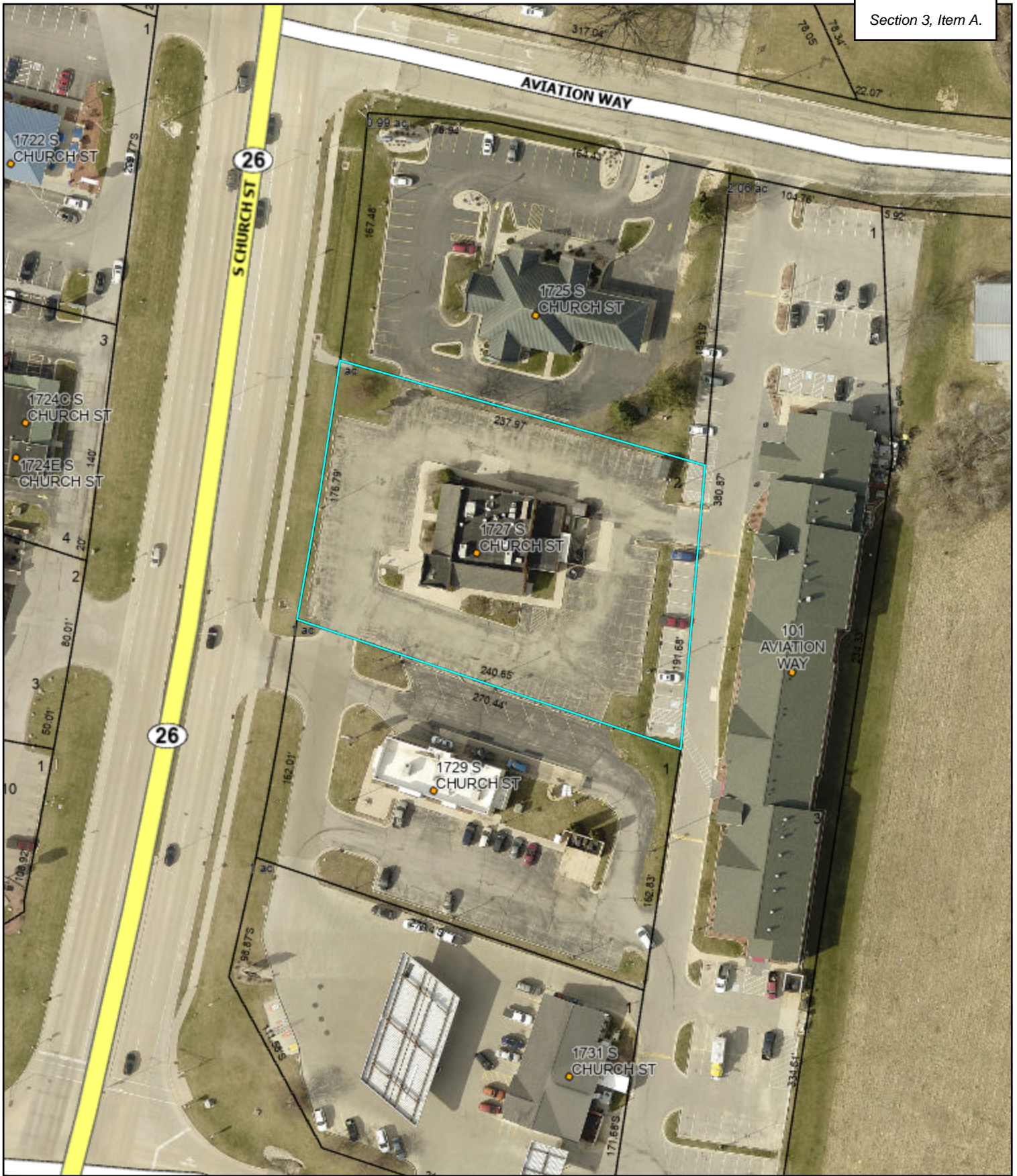
TOMMY CAR WASH SYSTEMS







AREA	
	
CANOPY	
	
FLOOD	
	
FLOOD	
	
WALL MOUNTED	
	










	Municipal Boundary		Addresses
	Parcels Boundaries		Address Labels
	Common Areas		Parcel Acreage



THE CITY OF WATERTOWN
Opportunity runs through it.

City of Watertown Geographic Information System

Scale: 1:1,037 Printed on: February 14, 2025
 SCALE BAR = 1" Author: [Redacted]

DISCLAIMER: This map is not a substitute for an actual field survey or onsite investigation. The accuracy of this map is limited to the quality of the records from which it was assembled. Other inherent inaccuracies occur during the compilation process. City of Watertown makes no warranty whatsoever concerning this information.

56