

Landscaping:

- 1. Location, species, size of existing trees, shrubs, and plantings.
- 2. Location, species, size of proposed plantings.
- 3. Location and size of all paved, seeded/sodded and gravelled areas.
- 4. Location of all retaining walls, fences, berms and other landscape features.

***It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents. Neighborhood meeting to be held on 11/18**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed: _____

Applicant or Authorized Agent

Date: 2020-11-13

***** Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to planning@fitchburgwi.gov. Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

FOR CITY USE ONLY

Date Received: 11/17/20 Plan Commission Date: 12/15/20

Comments:



Store Engineering

PHONE 608-793-5555

FAX 608-781-8960

1626 Oak St., P.O. Box 2107
La Crosse, WI 54602

www.kwiktrip.com

November 17, 2020

City of Fitchburg
Sonja Kruesel
5520 Lacy Road
Fitchburg, WI 53711

RE: Kwik Trip Store 1166 – E Cheryl and Syene Rd

Dear Ms. Kruesel:

This letter is intended to accompany the submittal for our application to the City of Fitchburg for the requested Conditional Use Permit and Architectural & Design Review for our proposed development. Please accept this letter as our request to be placed on the next Planning & Zoning Commission Meeting Agenda as well as the City Council Meeting Agenda.


Kwik Trip, Inc. is proposing the construction of a convenience store with a detached single bay carwash and a 10 dispenser fueling canopy. Included in the submittal are the civil plans, building and canopy elevations, floor plans, signage plans, applications and the Storm Water Management Plan.

Operations

The requested hours of operation will be 24 hours for all uses. The type of products that will be sold will be similar to that of our existing stores throughout the area: fresh produce, bakery and dairy, hot and cold food and beverages, fresh meat and groceries, tobacco products, lotto, convenience store merchandise, alcohol, gasoline, diesel, E-85, ice and propane. The outside merchandising of products is being requested next to the store (two ice chests and one propane cage) and underneath the proposed main canopy. To ensure that the freshest products are sold in our stores, we request that daily deliveries be allowed.

OUR MISSION

To serve our customers and community more effectively than anyone else by treating our customers, co-workers and suppliers as we, personally, would like to be treated, and to make a difference in someone's life.



Buildings, Architecture and Site Design

The architectural elements in this state-of-the-art building consist of a full brick cladding, standing seam metal roof, store front aluminum openings and stucco accents. Extensive landscaping, modern storm water facilities, monument and wall signage, customer and employee parking, concrete paving with curb and gutter are also included in the overall site design.

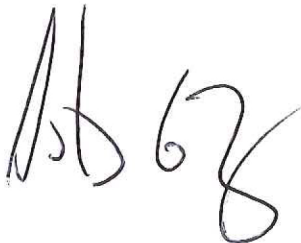
Investment in the City

This project will be a multi-million dollar investment in the City of Fitchburg. Not only in the physical improvements and development of a vacant parcel, but also an investment of approximately 25 to 30 new permanent jobs in the City.

Community Partner

We pride ourselves in being an asset in the communities where we are located. Families can walk or ride their bikes to our stores. Retirees on fixed income can access fresh groceries like milk, eggs, bread and fruit just steps from their car. We take pride in giving back to the communities we serve with charitable donations and by partnering with local non-profits.

Thank you

A handwritten signature in black ink, appearing to read 'BFry'.

Bradford Fry, PE
Store Engineering
bfry@kwiktrip.com
608 793 6414



Kwik Trip

Architectural & Design Review
Conditional Use Submittal
2792 S. Syene Road

Fitchburg, WI

Prepared for:



1626 Oak Street
PO Box 2107
La Crosse, WI 54602

Prepared by:

JSD *Professional Services, Inc.*
• Engineers • Surveyors • Planners

161 Horizon Drive, Suite 101
Verona, WI 53593
Project #19-8974

November 17, 2020

Introduction

On behalf of Kwik Trip, Inc., JSD Professional Services, Inc. (JSD) is requesting Architectural & Design Review and Conditional Use approval for the new development of a 9,200 SF Kwik Trip convenience store, fuel canopy and car wash to be located at the southeast corner of E. Cheryl Parkway and S. Syene Road in the City of Fitchburg. The following is submitted together with plans and applications for review and approval by City of Fitchburg Staff, Planning Commission and Common Council.

Entitlement Overview

On June 23, 2020 Kwik Trip and JSD staff met with City of Fitchburg Planning and Public Works to discuss proposed site improvements. On September 25, 2020 a follow up call was held with representatives from KL Engineering and Staff to discuss the proposed Kwik Trip site design in collaboration with anticipated E. Cheryl/S. Syene intersection improvements. The applicant will host a neighborhood meeting on November 18, 2020 to inform adjacent residents about the proposal. Notices were digitally sent to the Swan Creek and East Fitchburg Neighborhood Associations, the Addison apartments, and the surrounding Avante apartments in Uptown. The flyer was also posted to the City of Fitchburg's Facebook page.

Project Location, Context and Zoning

The proposed site improvements will be separated into two existing parcels. The west parcel, Parcel A, is a 2.31-acre site currently occupied by an auto repair shop and towing company. Outlot 1 of the Nine Springs Plat, Parcel B, is a 0.77-acre vacant parcel of land. Parcel A is currently zoned Business Highway (B-H). Parcel B is currently zoned SmartCode (SC-NC). The applicant is requesting the underlying property lines and zoning remain as it is not permitted to rezone Outlot 1 from SmartCode (SC-NC) to Business Highway (B-H) due to a mixed-use classification proposed on the City's Future Land Use map. The applicant understands easements and a deed restriction between parcels will be necessary as a condition of approval.

An existing auto repair shop is to remain south of the subject property, whereas multi-family residential and parkland will remain to the north and west, respectively. An existing driveway entrance onto E. Cheryl Parkway has been vacated since the removal of a commercial building on Outlot 1, whereas an existing driveway to S. Syene Road will be demolished and relocated. The existing intersection at E. Cheryl Parkway and S. Syene Road is a four way stop with dedicated turn lanes and bike lanes to accommodate traveling commuters. Sanitary sewer services enter the site from E. Cheryl Parkway. Water services parallel the site along both S. Syene Road and E. Cheryl Parkway. The site generally drains from west to east, with ultimate stormwater discharge heading south along the Wisconsin & Southern railroad right-of-way.

Overview

The proposed development is comprised of a 9,200 SF convenience store, 1,800 SF car wash, and 20-stall (10 pump) fuel canopy. The building footprint is located adjacent to E. Cheryl Parkway outside a 20' building setback as required within the Business Highway (B-H) zoning district. The main entrance to the building faces south with a secondary entrance along the west façade for ease of pedestrian access from S. Syene Road and E. Cheryl Parkway. A 10' wide sidewalk, three (3) picnic tables and substantial landscape beds are proposed west of the store leading up to this entrance. Two monument signs have been located – one at the intersection of E. Cheryl/Syene while the other is located adjacent to the E. Cheryl entrance drive. A Conditional Use application has been submitted for the digital fuel lettering proposed on both monument signs. The fuel canopy is centrally located on Parcel A for easy vehicular access, while the car wash is placed in the southeast corner of the site to mitigate traffic and noise. A stormwater wet pond will occupy a majority of Outlot 1.

Design Compliance with Zoning

The development is proposed to comply with the Business Highway and SmartCode zoning district standards. The site and architectural plans contain the following features:

- A total of 33 parking stalls, 2 of which are ADA accessible;
- An additional 20 parking stalls provided beneath the fuel canopy;

- Two driveway access points with consideration for convenient and safe customer access and circulation, efficient retail operations, and delivery vehicle access and circulation;
- Internal access drives provided for safe circulation within the site, included for box trucks, fire department and other large vehicles;
- Sidewalks on the east, south and west sides of the building, with bollards included on the south sidewalk to ensure a safe barrier between pedestrians and parked cars;
- A pedestrian sidewalk connection from public rights-of-way to the building's entrance provide convenient and safe pedestrian connectivity;
- A screened trash enclosure located west of the car wash, away from pedestrian travel path and building entrances, and screened by a combination of red brick and opaque fencing to match the building architecture.

Site Information Table

Refer to the following table for detailed development data:

Land Use & Building Summary Table	
	Total
Parcel A	2.31 acres
Parcel B (Outlot 1 of Nine Springs Plat)	0.77 acres
Total Proposed Impervious Surface Area	71,326 SF
Total Proposed Open Space	57,340 SF
Total Proposed Impervious Surface Ratio	0.55
Building Area (C-Store and Car Wash)	11,000 SF
C-Store Floor Area	9,198 SF
Car Wash Floor Area	1,802 SF
Short Term Bike Parking	4 stalls
Parking Stalls	53
A.D.A.	2
Large	33
Fuel Canopy	20

Stormwater Management Plan and Easements

The stormwater management plan is designed to meet the City of Fitchburg, Dane County, and Wisconsin Department of Natural Resources (WDNR) stormwater management standards. Proposed stormwater facilities include the construction of a wet pond to service the proposed improvements under “redevelopment” standards. The facilities are designed to address runoff rate control and water quality, including total suspended solids reduction, oil and grease and stable outlet design.

Cross access easements, utility easements and stormwater drainage easements are all anticipated to satisfy the two parcels adjacency. Easement agreements and deed restriction language between parcels will be submitted to Staff as a condition of approval.

Landscaping

Landscape materials which compliment visual themes and styles of the adjacent Riva Apartments and proposed architectural elements have been chosen, with an emphasis on perennial grasses and flowers around the patio areas. The use of shredded hardwood bark mulch will complement the exterior building materials while giving plants the best chance of survival during harsh winters and dry summers. Year-round interest and color will be provided through the careful selection of shrubs and perennial grasses, while deciduous and evergreen trees are proposed to highlight and define the edges of the overall development and architecture.

Site Lighting

Recognizing that site lighting contributes to placemaking as well as providing additional security, lighting is provided in several different forms, including pole mounted fixtures in parking areas and wall mounted fixtures to serve both as security lighting at building entries and as architectural accents. Overall, site lighting is dark skies compliant, consistent with the City of Fitchburg zoning code.

Signage

The design team has proposed the following signage to be incorporated:

- Two (2) free standing monument signs adjacent to E. Cheryl Parkway;
- Three (3) Kwik Trip brand gable mounted signs to building;
- One (1) Kwik Trip brand sign mounted to the car wash;
- Three (3) Kwik Trip brand signs mounted to the fuel canopy; and
- Various wayfinding signs throughout the access road and parking areas

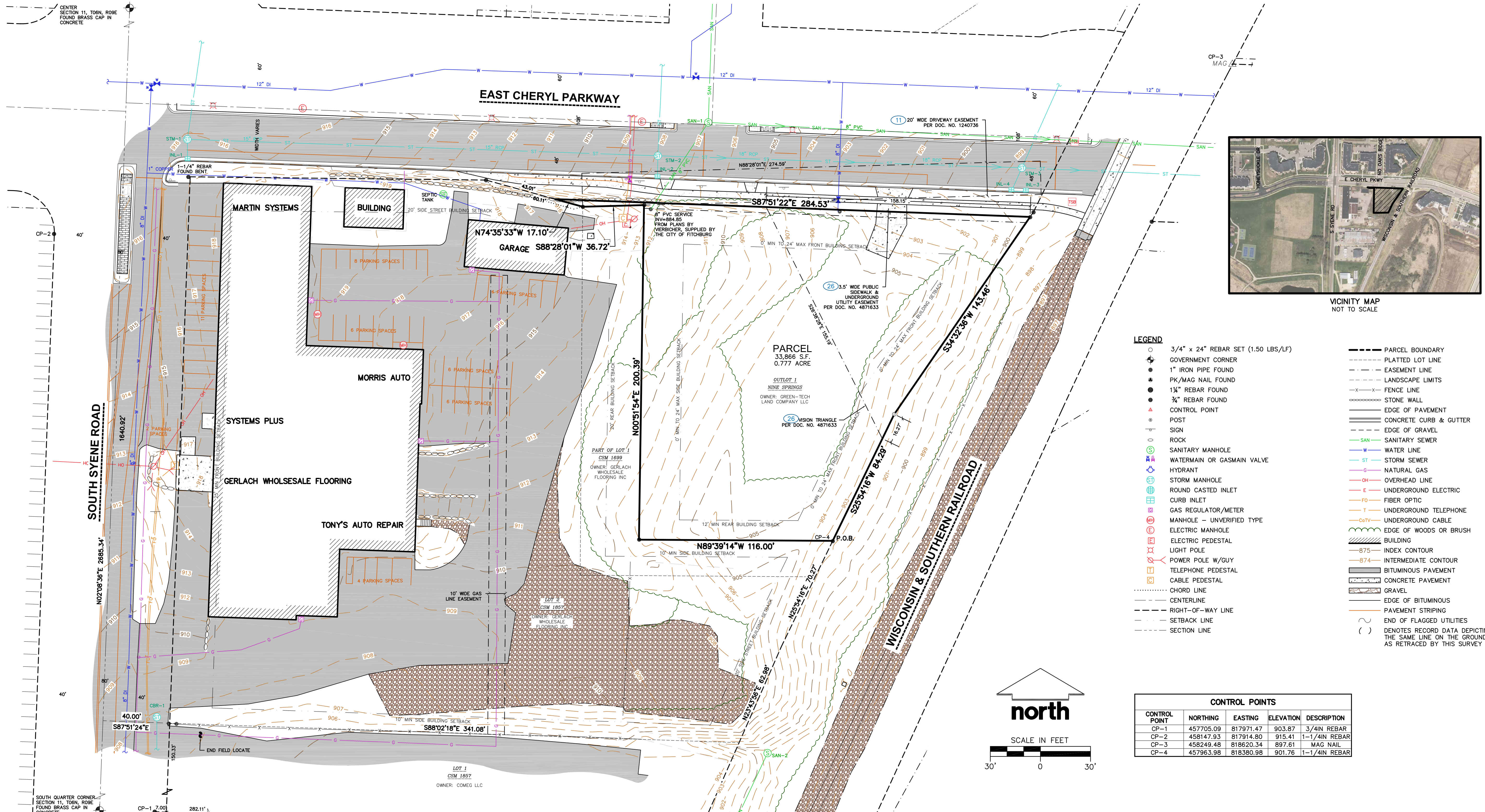
Signage elements have been designed in accordance with City of Fitchburg zoning code and provided with this application.

Schedule of Completion and Public ROW Improvements

City of Fitchburg Public Works and outside consultants have begun the preliminary analysis for a signalized intersection or roundabout at the corner of E. Cheryl Parkway/S. Syene Road. It's anticipated these improvements will break ground in spring of 2022. Kwik Trip's groundbreaking is scheduled to follow the proposed public right-of-way improvements with a spring, 2022 timeline and substantial completion scheduled for fall of 2022.

ALTA/NSPS LAND TITLE SURVEY

OUTLOT 1 OF THE PLAT OF NINE SPRINGS, ALL BEING PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 11, TOWNSHIP 06 NORTH, RANGE 09 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.



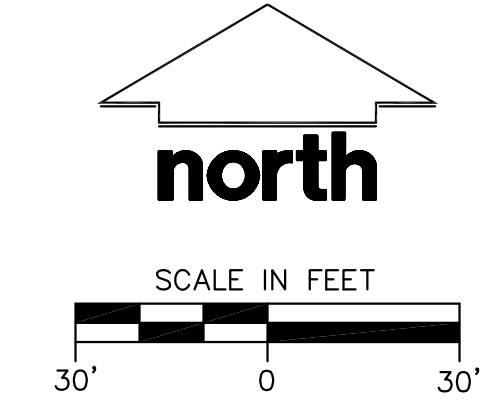
VICINITY MAP
NOT TO SCALE

LEGEND

- 3/4" x 24" REBAR SET (1.50 LBS/LF)
- GOVERNMENT CORNER
- 1" IRON PIPE FOUND
- PK/MAG NAIL FOUND
- 1/4" REBAR FOUND
- 3/4" REBAR FOUND
- ▲ CONTROL POINT
- POST
- SIGN
- ROCK
- SANITARY MANHOLE
- WATERMAIN OR GASMAIN VALVE
- HYDRANT
- STORM MANHOLE
- ROUND CASTED INLET
- CURB INLET
- GAS REGULATOR/METER
- MANHOLE - UNVERIFIED TYPE
- ELECTRIC MANHOLE
- ELECTRIC PEDESTAL
- LIGHT POLE
- POWER POLE W/GUY
- TELEPHONE PEDESTAL
- CABLE PEDESTAL
- CHORD LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- SETBACK LINE
- SECTION LINE
- PARCEL BOUNDARY
- PLATTED LOT LINE
- EASEMENT LINE
- LANDSCAPE LIMITS
- FENCE LINE
- STONE WALL
- EDGE OF PAVEMENT
- CONCRETE CURB & GUTTER
- SIGN
- EDGE OF GRAVEL
- SAN - SANITARY SEWER
- W - WATER LINE
- ST - STORM SEWER
- G - NATURAL GAS
- OH - OVERHEAD LINE
- E - UNDERGROUND ELECTRIC
- FO - FIBER OPTIC
- T - UNDERGROUND TELEPHONE
- CoTV - UNDERGROUND CABLE
- Edge of Woods or Brush
- BUILDING
- 875 - INDEX CONTOUR
- 874 - INTERMEDIATE CONTOUR
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- GRAVEL
- EDGE OF BITUMINOUS PAVEMENT STRIPING
- END OF FLAGGED UTILITIES
- () DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

CONTROL POINTS

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-1	457705.09	817971.47	903.87	3/4" REBAR
CP-2	458147.93	817914.90	915.41	1-1/4" REBAR
CP-3	458249.48	818620.34	897.61	MAG NAIL
CP-4	457963.98	818380.98	901.76	1-1/4" REBAR



STORM SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
STM-1	915.94	N	910.32	15"	RCP
		S	910.58	15"	RCP
		E*	910.41	15"	RCP
STM-2	907.91	W	902.85	15"	RCP
		N	903.15	12"	RCP
		S	902.88	12"	RCP
STM-3**	898.34	E*	902.85	15"	RCP

STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
CBR-1	907.84	S	905.37	12"	CMP
INL-1	915.41	N	914.56	2"	PVC
		N	910.96	15"	RCP
INL-2	907.35	N	903.37	12"	RCP
INL-3	898.16	W	895.01	12"	RCP
INL-4	898.34	E	894.90	12"	RCP
		NE	894.18	12"	RCP

- NOTES**
- BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE; THE WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 11 BEARS N02°08'36"E.
 - ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS A BRASS CAP IN CONCRETE MARKING THE SOUTH 1/4 CORNER OF SECTION 11, T06N, R09E, ELEVATION = 900.85'
 - CONTOUR INTERVAL IS ONE FOOT.
 - JSD DOES NOT GUARANTEE THE CONTROL POINTS ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.
 - SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE LOCATE TICKET NO. 20202709484, 20202709585, 20202709603 AND 20202709674, WITH A CLEAR DATE OF JULY 03, 2020, AND DIGGER'S HOTLINE PRINT TICKET NO. 20202709494, 20202709591, 20202709606 AND 20202709642, WITH A CLEAR DATE OF JULY 10, 2020.
 - UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE: CITY OF FITCHBURG, MADISON GAS & ELECTRIC, BEAR COMMUNICATIONS, CHARTER COMMUNICATIONS, AT&T DISTRIBUTION, WIN, LLC, MCI.
 - BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.
 - SITE PLAN RECORDS WERE REQUESTED FROM THE CITY OF FITCHBURG. NO RECORDS WERE SUPPLIED FOR THIS SITE.
 - ROADWAY UTILITY RECORD DRAWINGS WERE REQUESTED FROM THE CITY OF FITCHBURG. NO RECORDS WERE PROVIDED.
 - SEE SHEET 2 FOR LEGAL DESCRIPTION (AS FURNISHED), NOTES CORRESPONDING TO TABLE A, AND NOTES CORRESPONDING TO SCHEDULE B-SECTION TWO EXEMPTIONS.

SURVEYOR'S CERTIFICATE

TO:

- FIRST AMERICAN TITLE INSURANCE COMPANY, LLC,
- KWIK TRIP, INC.,
- GREEN-TECH LAND COMPANY, LLC, A WISCONSIN LIMITED LIABILITY COMPANY,

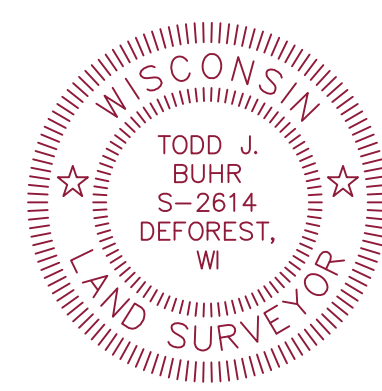
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 6(b), 7(a), 8, 9, 11, 14, 17, 18, 19, 21 AND 22 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 07, 2020.

SANITARY SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	906.91	N	883.10	8"	PVC
		SW	883.10	8"	PVC
		E	882.99	8"	PVC
SAN-2	898.06	SW	883.36	8"	PVC

TODD J. BUHR, S-2614
PROFESSIONAL LAND SURVEYOR
Email: todd.buhr@jdsinc.com
Website: www.jdsinc.com

DATE _____



CREATE THE VISION TELL THE STORY

MADISON | MILWAUKEE
KENOSHA | APPLETON | WAUSAU

MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
KWIK TRIP

CLIENT ADDRESS:
**1626 OAK ST., P.O. BOX 2107
LaCROSSE, WI 54602**

PROJECT:
2792 S SYENE RD

PROJECT LOCATION:
**CITY OF FITCHBURG, WI
DANE COUNTY**

Design/Drawn: CJO 07/2020
Approved: TJB 07/2020

SHEET TITLE:
**ALTA / NSPS
LAND TITLE
SURVEY**

SHEET NUMBER:

1 OF 2

JSD PROJECT NO: 20-9726S

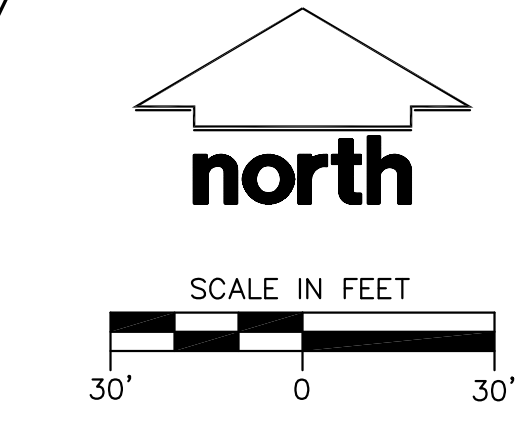
ALTA/NSPS LAND TITLE SURVEY

PART OF LOT 1 OF CERTIFIED SURVEY MAP NO. 1699, AND ALL OF LOT 2 OF CERTIFIED SURVEY MAP NO. 1857, ALL BEING PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 11, TOWNSHIP 06 NORTH, RANGE 09 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.



VICINITY MAP
NOT TO SCALE

CONTROL POINTS			
CONTROL POINT	NORTHING	EASTING	ELEVATION DESCRIPTION
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CP-3	458249.48	818620.34	897.61 MAG NAIL
CP-4	457963.98	818380.98	901.76 1-1/4" REBAR



LEGEND

○	1 1/2" x 30" REBAR SET (4.30 LBS/LF)	⊠	ELECTRIC PEDESTAL
○	3/4" x 24" REBAR SET (1.50 LBS/LF)	⊠	LIGHT POLE
●	GOVERNMENT CORNER	⊠	POWER POLE W/GUY
●	1" IRON PIPE FOUND	⊠	TELEPHONE PEDESTAL
●	PK/MAG NAIL FOUND	⊠	CABLE PEDESTAL
●	1 1/2" REBAR FOUND	⊠	CHORD LINE
●	3/4" REBAR FOUND	⊠	CENTERLINE
●	CONTROL POINT	⊠	RIGHT-OF-WAY LINE
●	POST	⊠	SETBACK LINE
●	SIGN	⊠	SECTION LINE
●	ROCK	⊠	EDGE OF WOODS OR BRUSH
●	SANITARY MANHOLE	⊠	BUILDING
●	WATERMAIN OR GASMAIN VALVE	⊠	-875 INDEX CONTOUR
●	HYDRANT	⊠	-874 INTERMEDIATE CONTOUR
●	STORM MANHOLE	⊠	BITUMINOUS PAVEMENT
●	ROUND CASTED INLET	⊠	CONCRETE PAVEMENT
●	CURB INLET	⊠	GRAVEL
●	GAS REGULATOR/METER	⊠	EDGE OF BITUMINOUS
●	MANHOLE - UNVERIFIED TYPE	⊠	PAVEMENT STRIPING
●	ELECTRIC MANHOLE	⊠	END OF FLAGGED UTILITIES
		⊠	DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

LEGAL DESCRIPTION (AS FURNISHED)
(FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NO.: NCS-1016881-MAD, COMMITMENT DATE: JUNE 11, 2020 AT 8:00 A.M.)

LOT 2, CERTIFIED SURVEY MAP 1857, RECORDED NOVEMBER 13, 1975 IN VOLUME 7 OF CERTIFIED SURVEY MAPS, PAGE 294, AS DOCUMENT NO. 1449571, AND A PARCEL OF LAND LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 11, TOWN 6 NORTH, RANGE 9 EAST, DESCRIBED AS: COMMENCING AT THE NORTHEAST CORNER OF SAID LOT 2 OF CERTIFIED SURVEY MAP 1857; THENCE SOUTH 220.66 FEET; THENCE EAST 140.00 FEET; THENCE NORTH 25°33'30" EAST, 25.60 FEET; THENCE WEST 116.00 FEET; THENCE NORTH 198.83 FEET; THENCE SOUTH 88°05' WEST 35.02 FEET TO THE POINT OF BEGINNING, ALL IN THE CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

FOR INFORMATIONAL PURPOSES ONLY:
ADDRESS: 2792 S SYENE RD, FITCHBURG, WI
TAX KEY NUMBER: 225/0609-114-8701-9

- NOTES**
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MADISON GAS & ELECTRIC CHARTER COMMUNICATIONS MCI
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 - SITE PLAN, WATER MAIN, AND SANITARY RECORDS WERE REQUESTED FROM THE CITY OF FITCHBURG. NO RECORDS WERE SUPPLIED FOR THIS SITE. NO WATER MAIN OR SANITARY SERVICE CONNECTIONS WERE MARKED THROUGH DIGGER'S HOTLINE.
 - ROADWAY UTILITY RECORD DRAWINGS WERE REQUESTED FROM THE CITY OF FITCHBURG. NO RECORDS WERE PROVIDED.
 - GAS METERS-NO FIELD MARKINGS OR MAPS SUPPLIED SHOWING SERVICE CONNECTIONS. GAS LINEWORK SHOWN IS ASSUMED BASED ON EASEMENT AND MARKING ALONG SOUTH LINE OF PARCEL.

SURVEYOR'S CERTIFICATE

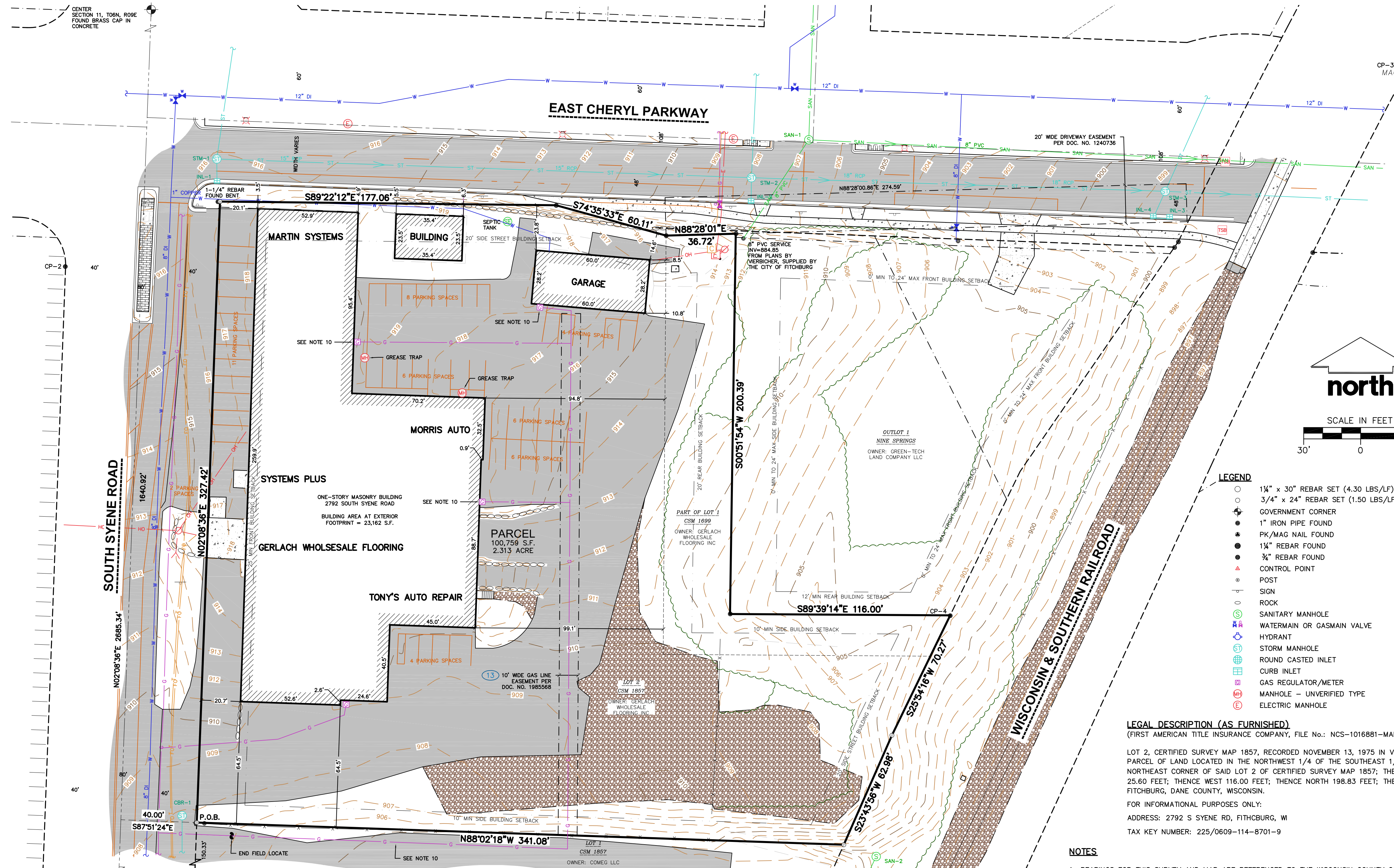
TO:

- FIRST AMERICAN TITLE INSURANCE COMPANY, LLC,
- KWIK TRIP, INC., A WISCONSIN CORPORATION,
- GERLACH WHOLESALE FLOORING, INC.,

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 6(b), 7(c), 8, 9, 11, 14, 17, 18, 19, 21 AND 22 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 07, 2020.

TODD J. BUHR, S-2614 PROFESSIONAL LAND SURVEYOR
Email: todd.buhr@jdsinc.com
Website: www.jdsinc.com

DATE _____



- NOTES CORRESPONDING TO TABLE A REQUIREMENTS:**
- ITEM 3 THE SUBJECT PROPERTY LIES IN ZONE X PER FEMA MAP NUMBER 55025C0419G, WHICH HAS NOT BEEN PRINTED.
- ITEM 6(a)(b) PARCEL ZONED 'BUSINESS-HIGHWAY' PER ZONING LETTER FROM THE CITY OF FITCHBURG, DATED JUNE 16, 2020. BUILDING SETBACKS: FRONT-25 FOOT MINIMUM, SIDE-10 FEET, SIDE STREET-20 FEET, REAR-20 FEET. BUILDING HEIGHT: THE LESSER OF 42 FEET OR 3 STORIES. HEIGHT OVER 3 STORIES OF 42 FEET SUBJECT TO CONDITIONAL USE APPROVAL. PARKING: REQUIREMENTS PROVIDED IN ACCORDANCE WITH STANDARDS OUTLINED IN 'CITY OF FITCHBURG PARKING REQUIREMENTS AND DRIVEWAY STANDARDS', DATED JANUARY 1996-REVISED JULY 2010
- ITEM 9 THERE ARE 49 PARKING SPACES.
- ITEM 11 SOURCE INFORMATION FROM PLANS AND MARKING 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 AFFECTS THE SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION AND/OR A PRIVATE UTILITY LOCATE REQUEST MAY BE NECESSARY.
- ITEM 17 THERE ARE NO PROPOSED CHANGES IN THE STREET RIGHT-OF-WAY LINES PER CITY OF MADISON ENGINEERING DEPARTMENT. THERE IS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
- ITEM 18 NO WETLAND DELINEATION MARKERS WERE OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.
- ITEM 19 THERE ARE NO OFFSITE EASEMENTS FOR THE SUBJECT PROPERTY.
- NOTES CORRESPONDING TO SCHEDULE B-SECTION TWO EXCEPTIONS**
(FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NO.: NCS-1016881-MAD, COMMITMENT DATE: JUNE 11, 2020 AT 8:00 A.M.)
- (11) RIGHTS OF GRANTOR AS SET FORTH IN QUIT CLAIM DEED RECORDED MAY 11, 1972 IN VOLUME 340 OF RECORDS, PAGE 65 AS DOCUMENT NO. 1325306
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.
- (12) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED DECEMBER 31, 1973, RECORDED/FILED JANUARY 25, 1974 IN VOLUME 494, PAGE 700 AS DOCUMENT NO. 1387974.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- (13) GAS LINE EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED OCTOBER 31, 1986, RECORDED/FILED DECEMBER 22, 1986 IN VOLUME 9264, PAGE 41 AS DOCUMENT NO. 1985568.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- (14) WELL AGREEMENT UPON THE TERMS, CONDITIONS AND PROVISIONS CONTAINED THEREIN:
DATED: MARCH 11, 1999
PARTIES: THOMAS F. HOLMES AND WILLIAM M. HOWARD
RECORDED: MARCH 17, 1999
INSTRUMENT NO.: 3092446
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.

STORM SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT ELEVATION	PIPE SIZE	PIPE TYPE
STM-1	915.94	N 910.32	15"	RCP
		S 910.58	15"	RCP
STM-2	907.91	E* 910.41	15"	RCP
		W 902.85	15"	RCP
		N 903.15	12"	RCP
STM-3**	898.34	S 902.88	12"	RCP
		E* 902.85	18"	RCP

STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT ELEVATION	PIPE SIZE	PIPE TYPE
CBR-1	907.84	S 905.37	12"	CMP
INL-1	915.41	N 914.56	2"	PVC
INL-2	907.35	N 910.96	15"	RCP
		W 903.37	12"	RCP
INL-3	898.16	N 895.01	12"	RCP
INL-4	898.34	E 894.90	12"	RCP
		NE 894.18	12"	RCP

SANITARY SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	906.91	N 883.10	8"	PVC
		SW 883.10	8"	PVC
		E 882.99	8"	PVC
SAN-2	898.06	SW 883.36	8"	PVC

* MEASUREMENT TAKEN AT BOTTOM OF STRUCTURE NEAREST INVERT DUE TO PIPE SETBACK.
** COULD NOT OPEN STRUCTURE DUE TO ASPHALT IN RIM.

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VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
KWIK TRIP

CLIENT ADDRESS:
**1626 OAK ST., P.O. BOX 2107
LaCROSSE, WI 54602**

PROJECT:
2792 S SYENE RD

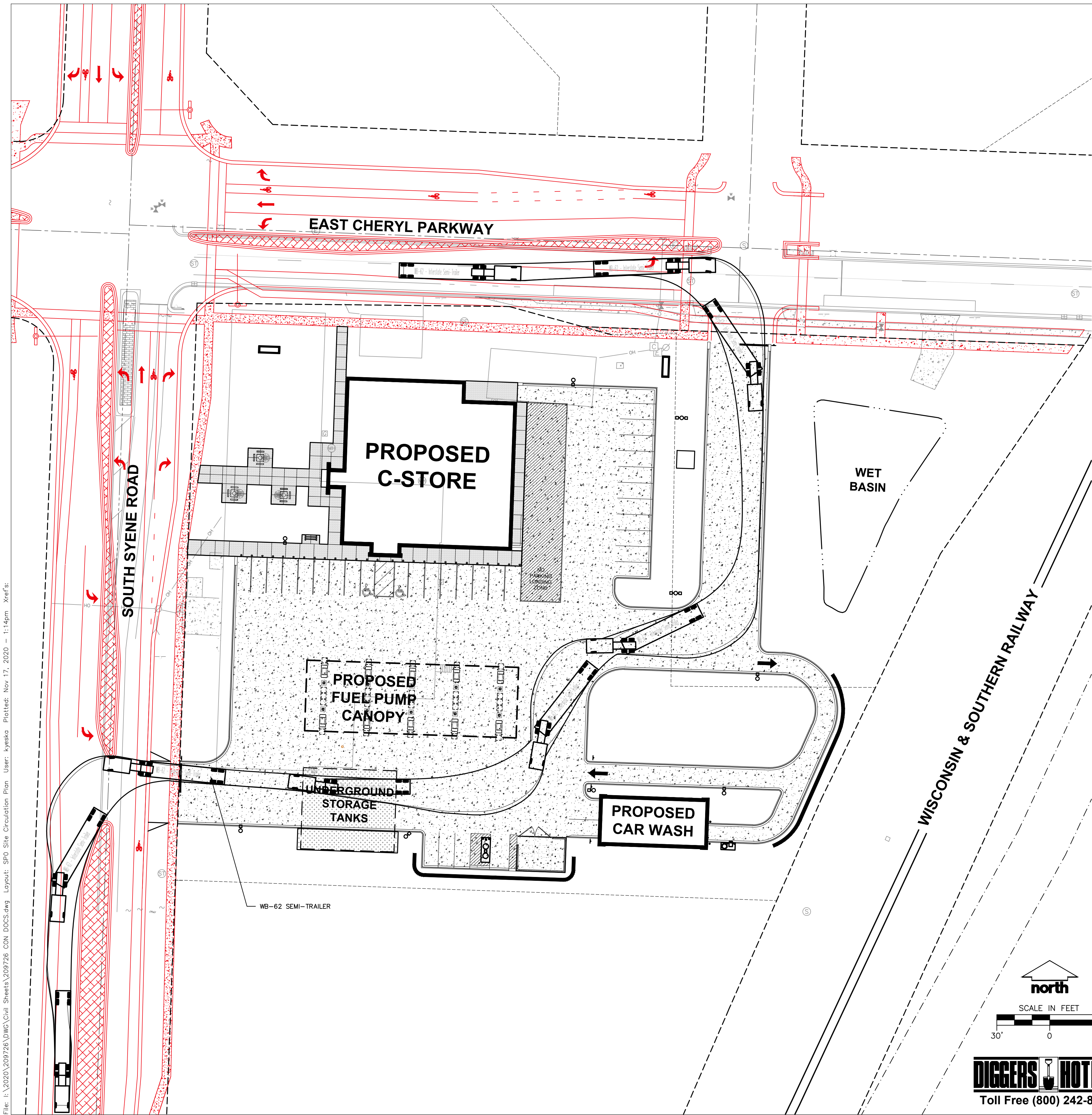
PROJECT LOCATION:
**CITY OF FITCHBURG, WI
DANE COUNTY**

Design/Drawn: CJO 07/2020
Approved: TJB 07/2020

SHEET TITLE:
**ALTA / NSPS
LAND TITLE
SURVEY**

SHEET NUMBER:
1 OF 1

JSD PROJECT NO: 20-9726S



LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	BUILDING SETBACK LINE
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	CONCRETE SIDEWALK
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	RETAINING WALL
	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
	SIGN (REFER TO SIGNAGE PLAN)
	BOLLARD
	BOLLARD WITH ADA PARKING SIGN
	CONCEPT PUBLIC ROADWAY IMPROVEMENTS (BY OTHERS)

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STORES

KWIK STAR
STORES

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LA CROSSE, WI 54602-2107
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MADISON
MILWAUKEE
WAUSAU
APPLETON
KENOSHA
CHICAGO
COEUR D'ALENE

DRAFT

SITE CIRCULATION PLAN
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITZCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY _____
SCALE _____
JSD PROJ. NO. 20-9726
DATE 11/17/2020
SHEET SP0

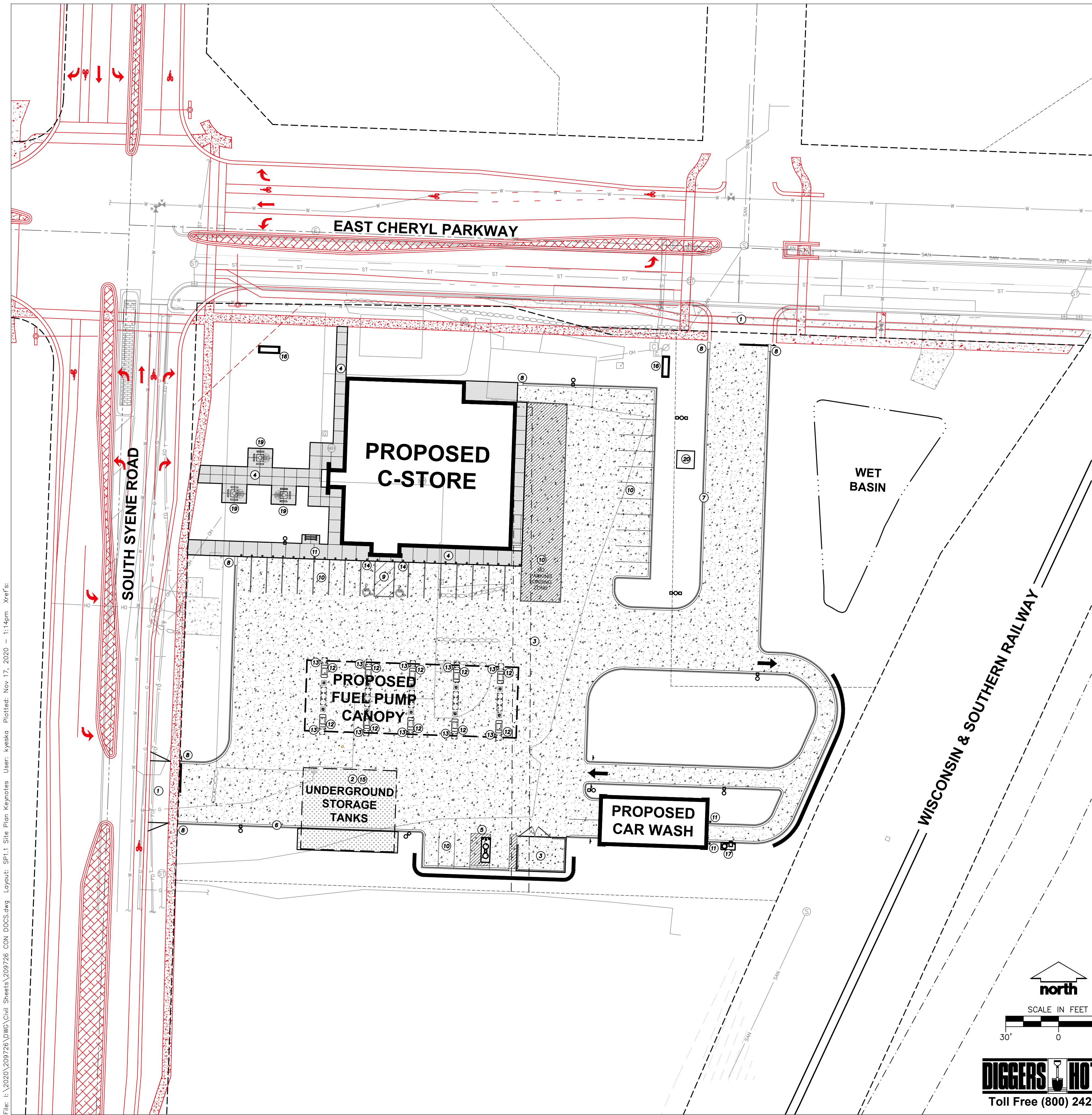
north

SCALE IN FEET

30' 0 30'

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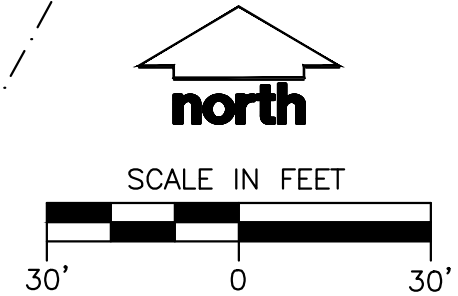


LEGEND

- PROPERTY LINE
- - - RIGHT-OF-WAY
- - - EASEMENT LINE
- BUILDING OUTLINE
- - - BUILDING OVERHANG
- - - BUILDING SETBACK LINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- RETAINING WALL
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ▲ SIGN (REFER TO SIGNAGE PLAN)
- BOLLARD
- CONCEPT PUBLIC ROADWAY IMPROVEMENTS (BY OTHERS)

KEYED NOTES

1. HEAVY DUTY CONCRETE— 8" MINIMUM DEPTH CONCRETE APPROACH. (CONSULT OWNER FOR REINFORCEMENT, IF ANY, AND MIX DESIGN)
2. HEAVY DUTY CONCRETE— 8" MINIMUM DEPTH CONCRETE SLAB ON GRADE. (CONSULT OWNER FOR REINFORCEMENT, IF ANY, AND MIX DESIGN)
3. STANDARD CONCRETE SECTION— 6" MINIMUM CONCRETE SLAB ON GRADE. (CONSULT OWNER FOR REINFORCEMENT, IF ANY, AND MIX DESIGN)
4. CONCRETE SIDEWALK SECTION— 4" MINIMUM CONCRETE SLAB ON GRADE.
5. ACCESSIBLE VACUUM & AIR INSTALLED WITH APPROPRIATED HEIGHTS. PARKING AREA SHALL MEET A.D.A. DIMENSIONS FOR ACCESS AND SURFACE FOR WHEEL CHAIR ACCESS SHALL NOT EXCEED 1:48 SLOPE IN ALL DIRECTIONS. SEE NOTES FOR CONVENIENCE STORE ACCESSIBILITY.
6. 18" STANDARD CURB AND GUTTER.
7. 18" REJECT CURB AND GUTTER.
8. TRANSITION CURB & GUTTER.
9. A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS. A.D.A. SYMBOL TO BE BLUE PAINT.
10. USE 4"-WIDE HIGH-VISIBILITY YELLOW PAINT FOR PARKING STALLS, LANE MARKINGS AND TEXT.
11. 30"-HIGH, 6"-DIAMETER CONCRETE FILLED PIPE BOLLARD.
12. CONCRETE ISLANDS WITH 6" EXPOSURE WITH FUEL DISPENSERS. DISPENSER PER OWNER. 3'-6" x 6'-0".
13. 36"-HIGH, 6"-DIAMETER, CONCRETE FILLED PIPE BOLLARD.
14. HC PVC BOLLARD SLEEVE. PER OWNER. VAN ACCESS SIGNAGE AT 48"-HEIGHT. STALL PARKING AT 60"-HEIGHT.
15. UNDERGROUND FUEL STORAGE TANKS.
16. KWIK TRIP, INC. TRADEMARK SIGN. COORDINATE WITH OWNER. SEE SIGNAGE PLAN.
17. CAR WASH PAY STATION. COORDINATE WITH OWNER.
18. LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
19. PICNIC TABLE WITH ONE (1) A.D.A. ACCESSIBLE PLACEMENT AS SHOWN. PROVIDE TRASH CONTAINER.
20. TRANSFORMER PAD. COORDINATE WITH UTILITY COMPANY ON PAD SIZE AND THICKNESS



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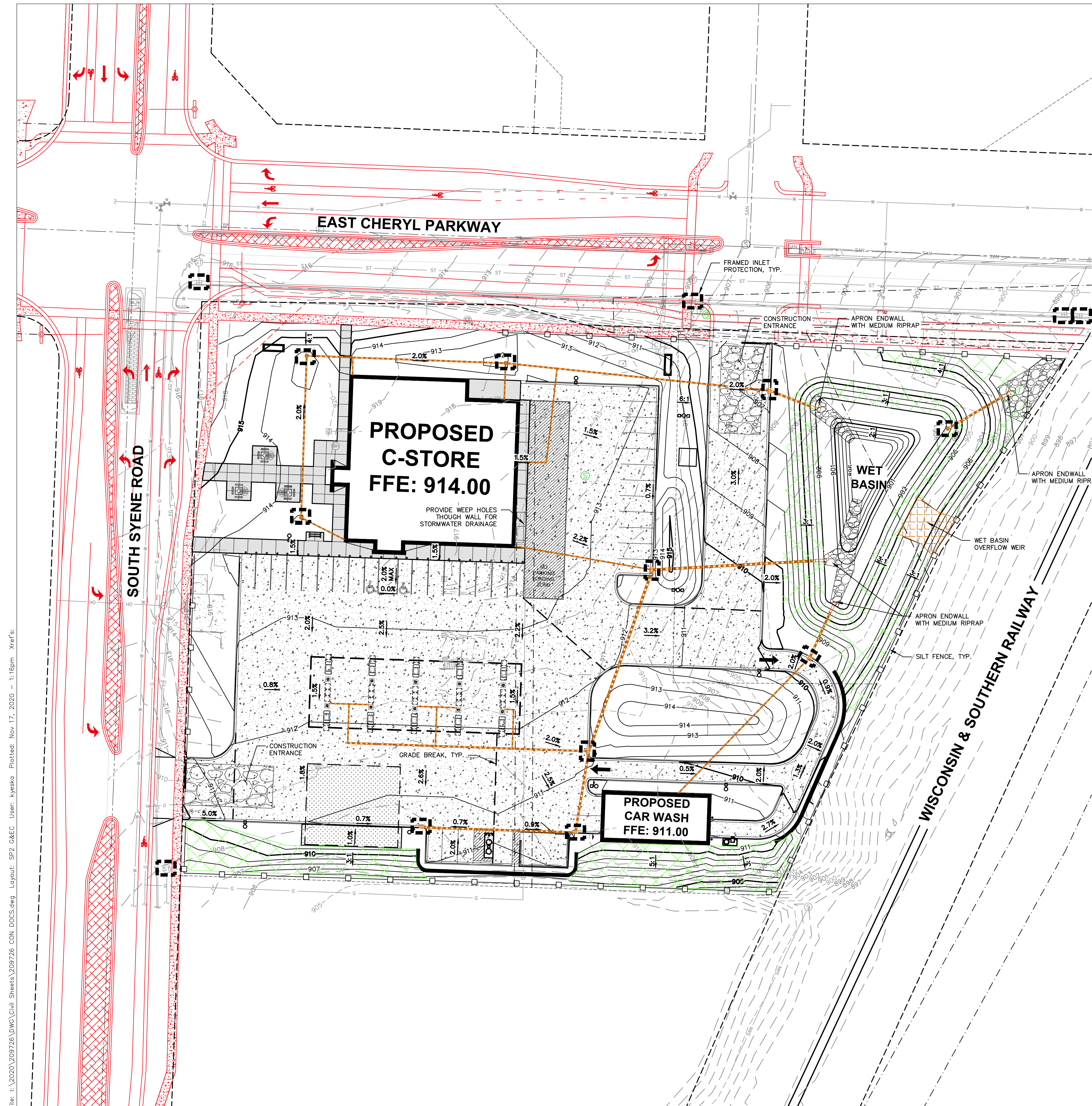


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SITE KEYNOTES PLAN
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITCHBURG, WI

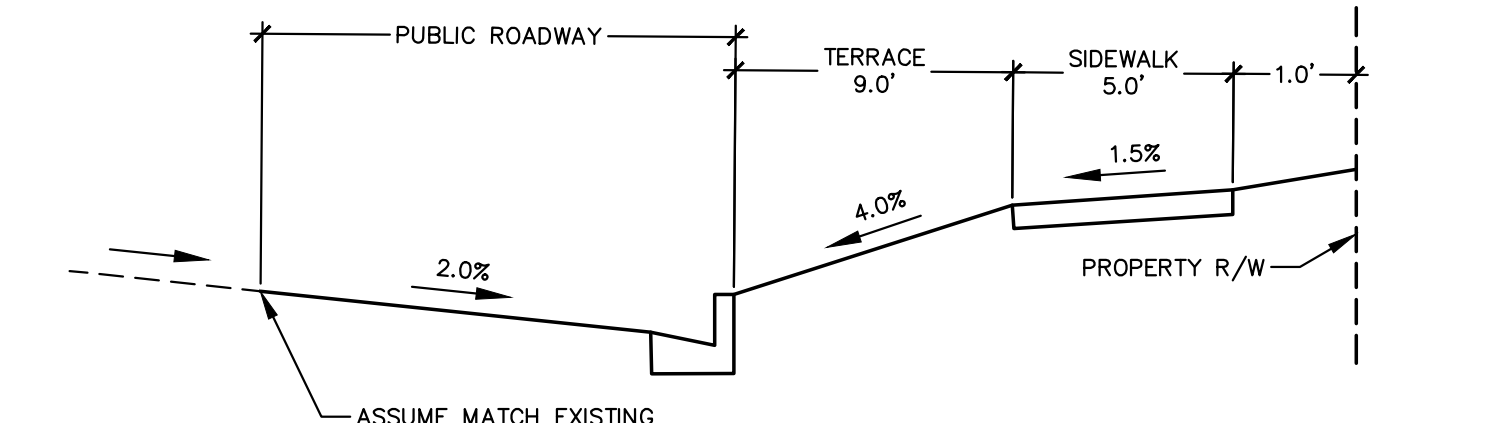
#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

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SCALE _____
JSD PROJ. NO. 20-9726
DATE 11/17/2020
SHEET SP1.1

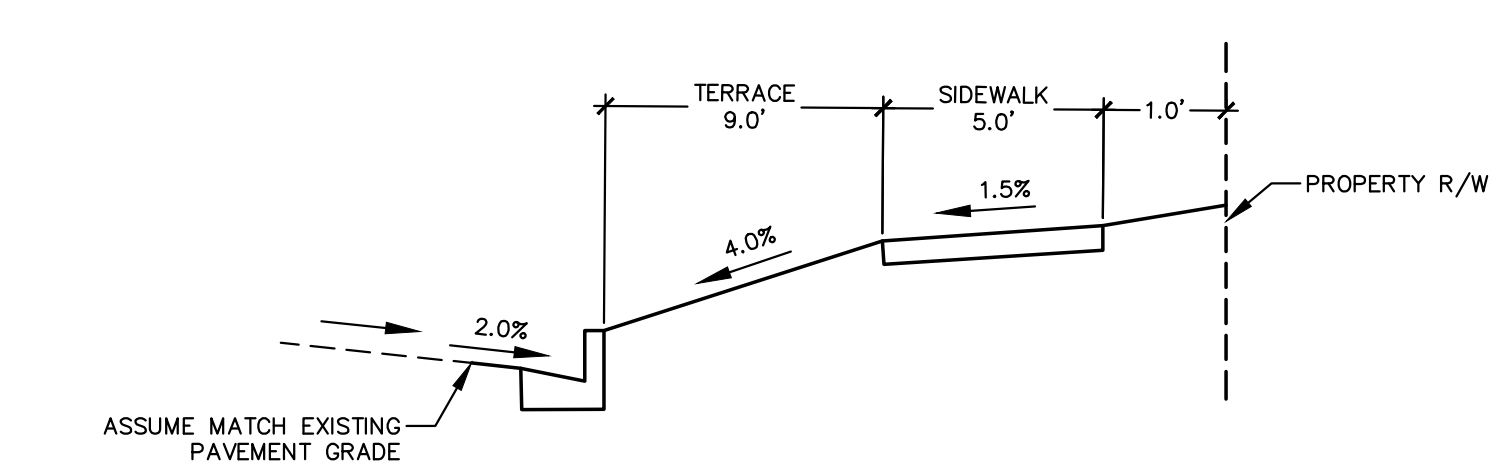


- LEGEND**
- PROPERTY LINE
 - - - RIGHT-OF-WAY
 - - - EASEMENT LINE
 - BUILDING OUTLINE
 - - - FUEL CANOPY
 - EDGE OF PAVEMENT
 - STANDARD CURB AND GUTTER
 - REJECT CURB AND GUTTER
 - CONCRETE SIDEWALK
 - CONCRETE PAVEMENT
 - HEAVY DUTY CONCRETE PAVEMENT
 - RETAINING WALL
 - LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
 - ▲ SIGN (REFER TO SIGNAGE PLAN)
 - BOLLARD
 - BOLLARD WITH ADA PARKING SIGN
 - CONCEPT PUBLIC ROADWAY IMPROVEMENTS (BY OTHERS)
 - - - 985 PROPOSED 1 FOOT CONTOUR
 - - - 986 PROPOSED 5 FOOT CONTOUR
 - - - 985 EXISTING 1 FOOT CONTOUR
 - - - 986 EXISTING 5 FOOT CONTOUR
 - DRAINAGE DIRECTION
 - - - GRADE BREAK
 - SILT FENCE
 - RIP-RAP
 - CONSTRUCTION ENTRANCE
 - DITCH CHECK
 - INLET PROTECTION
 - STORM SEWER
 - CLASS I, TYPE B EROSION MATTING
 - TURF REINFORCEMENT MATTING

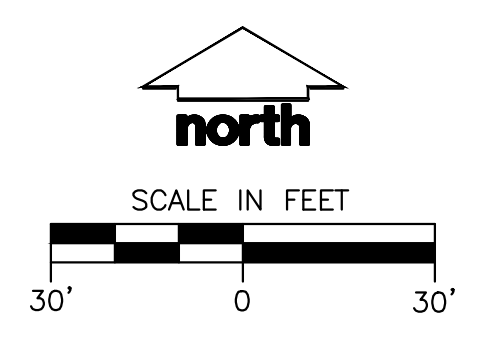
NOTE:
GRADES ADJACENT TO SOUTH SYENE RD. & EAST CHERYL PARKWAY ARE ASSUMED AT THE PROPOSED RIGHT OF WAY LINE ALONG THE NORTH & WEST SIDES OF PROPERTY.



SOUTH SYENE ROAD SECTION



EAST CHERYL PARKWAY SECTION



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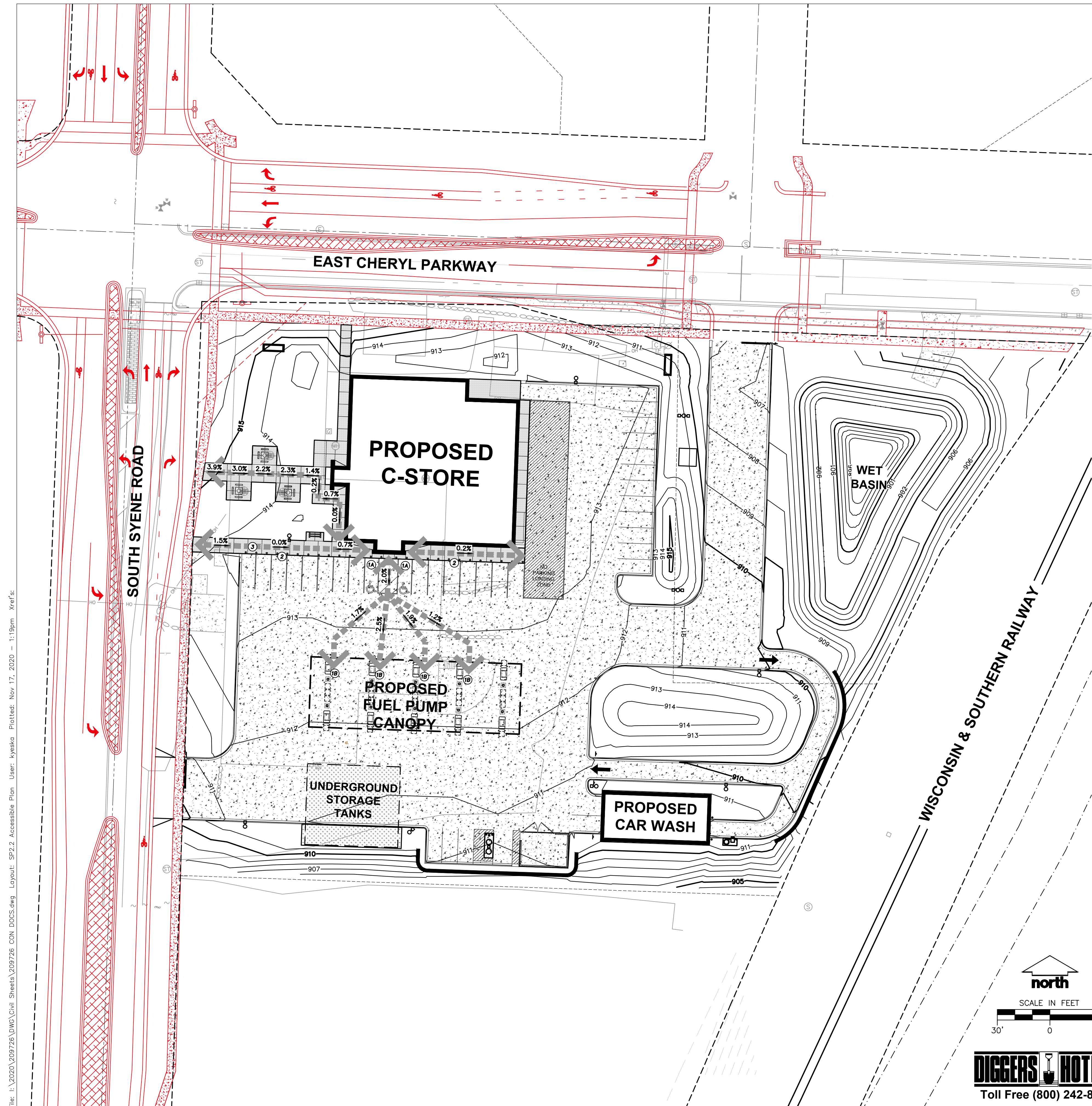


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GRADING AND EROSION CONTROL
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

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DATE 11/17/2020
SHEET **SP2**



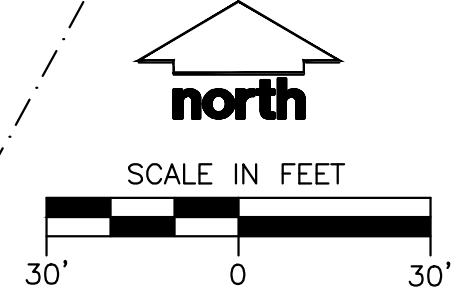
LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	BUILDING SETBACK LINE
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	CONCRETE SIDEWALK
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	RETAINING WALL
	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
	SIGN (REFER TO SIGNAGE PLAN)
	BOLLARD
	BOLLARD WITH ADA PARKING SIGN
	CONCEPT PUBLIC ROADWAY IMPROVEMENTS (BY OTHERS)

- ACCESSIBLE NOTES**
- REFER TO THE DOCUMENT FROM THE DEPARTMENT OF JUSTICE ON 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. CONTRACTOR SHALL REFERENCE CURRENT A.D.A. GUIDELINES AND LOCAL REGULATIONS FOR SITE ACCESSIBILITY. IN ALL CASES THE MINIMUM REQUIREMENTS SHALL BE PROVIDED ON SITE TO ENSURE COMPLIANCE TO ALL REGULATIONS.
 - KWIK TRIP STANDARD ENTRANCE DOOR IS AUTOMATIC SLIDER DOOR SYSTEM DESIGNED TO COMPLY WITH ALL ACCESS CODES AND LAWS. ENTRANCE DOORS FOR ACCESSIBLE ROUTES WILL HAVE A MINIMUM CLEAR OPENING OF 32".
 - STORE FRONTS WILL PROVIDE FLUSH PAVEMENTS ALONG ACCESSIBLE ROUTES WITH PROTECTIVE SECURITY BOLLARDS INDICATED AND SPACED BETWEEN PARKING SURFACES AND BUILDING WALK PER PLAN.
 - NO OBJECTS OR DISPLAYS SHOULD PROTRUDE INTO THE MINIMUM CLEAR SPACE OF THE ACCESSIBLE ROUTES TO THE STORE ENTRANCE. THIS WILL INCLUDE SEASONAL DISPLAY VENDING AREAS AS WELL AS OTHER OUTDOOR STORAGE UNITS FOR PROPANE AND ICE, ETC.
 - PER A.D.A. GUIDELINES—CLEAR WIDTH OF ACCESSIBLE ROUTES SHALL BE 36" AND PERMITTED TO BE REDUCED TO 32" FOR A LENGTH OF 24".
 - ACCESS ISLES SERVING WHEEL CHAIR LEFTS OR CHAIR ACCESS FROM VEHICLES ARE REQUIRED TO BE NEARLY LEVEL IN ALL DIRECTIONS TO PROVIDE SAFE TRANSFER OF WHEELCHAIRS TO AND FROM VEHICLES. THE EXCEPTION WOULD BE FOR DRAINAGE. MAXIMUM SLOPE FOR THE ACCESS ISLE IS 1:48. NO CURB RAMPS SHALL BE A PART OF THE ACCESS ISLE.
 - IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH THE DESIGNATIONS OF 1 "VAN ACCESSIBLE" IN EVERY 8 ACCESSIBLE SPACES ON SITE.

- NOTES FOR CONVENIENCE STORE ACCESSIBILITY**
- AT LEAST 1 MPD (MULTI-PRODUCT DISPENSER) COVERING ALL GRADES OF FUEL MUST BE ACCESSIBLE IN A 30'x48" CLEAR LEVEL FLOOR AREA (CLF).
 - ALL PUMP CONTROLS SHALL BE <48" (2010 STANDARD). WINDOW WASHER, PAPER TOWEL DISPENSER, LITERATURE, FIRE EXTINGUISHER, EMERGENCY FUELS STOPS, ETC. BE ACCESSIBLE 30"X48" SHELF SPACE AND WITHIN A FORWARD OR SIDE APPROACH REACH RANGE.
 - PROVIDE ISA (INDUSTRY STANDARD ARCHITECTURE) AT EACH ACCESSIBLE FUEL POSITION ON FACE OF PUMP.
 - PROVIDE ISA AT EACH ACCESSIBLE FUELING POSITION VISIBLE TO APPROACHING VEHICLES.
 - PROVIDE A SIGN AT EACH ACCESSIBLE FUELING POSITION WITH STORE TELEPHONE NUMBER, ADVISING AVAILABLE FUELING ASSISTANCE.
 - ANY PAY FUNCTION—I.E. AIR/VACUUM ET. ARE REQUIRED TO HAVE AN ACCESSIBLE ROUTE TO STORE ENTRANCE. CONTROLS SHALL BE ACCESSIBLE 30"X48" CLF SPACE AND WITHIN A FORWARD OR SIDE APPROACH REACH RANGE.

- PLAN KEYNOTES**
- ACCESSIBLE STALLS
 - A. STRIPING — 4" WIDE STALL LINES, USE HIGH VISIBILITY BLUE PAINT. SPACES PROVIDED
 - (2) 8'-0" x 20'-0" ACCESSIBLE PARKING WITH
 - (1) 9'-0" x 20'-0" LOADING ZONE.
 - B. ACCESSIBLE FUELING POINT AND DISPENSER AND VALET. VALET AND KEY PAD ON PUMP SHALL CONFORM TO ADA REACH DIMENSIONS AS SHOWN IN DETAIL. SEE NOTES FOR CONVENIENCE STORE ACCESSIBILITY.
 2. PAVEMENTS FLUSH FOR ACCESSIBILITY
 3. ACCESSIBLE ROUTE TO STORE.



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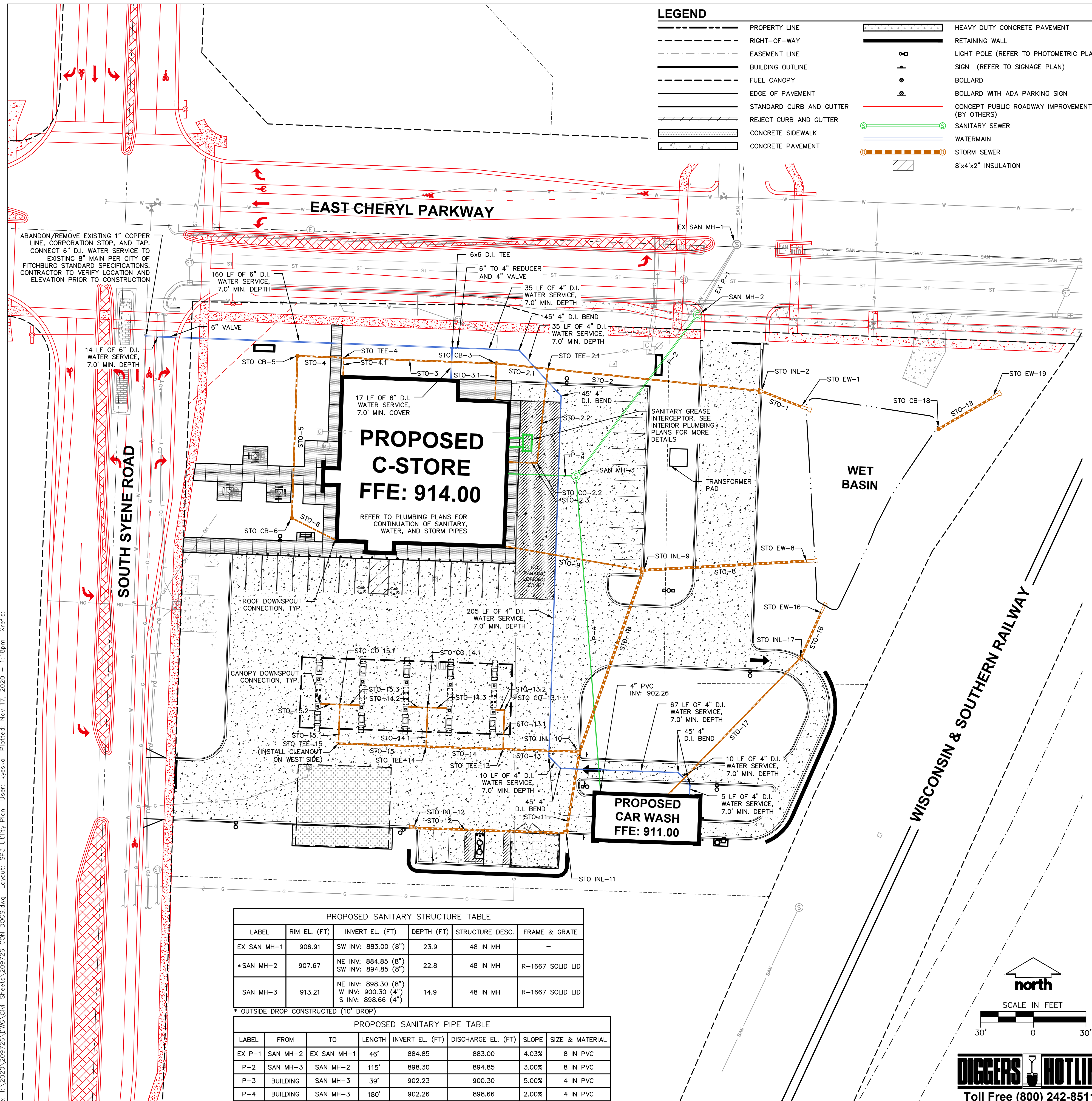
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ACCESSIBLE PLAN
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITZBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

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DATE 11/17/2020
SHEET **SP2.2**



LEGEND

---	PROPERTY LINE	▬	HEAVY DUTY CONCRETE PAVEMENT
- - -	RIGHT-OF-WAY	▬	RETAINING WALL
- · - · -	EASEMENT LINE	○	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
---	BUILDING OUTLINE	+	SIGN (REFER TO SIGNAGE PLAN)
---	FUEL CANOPY	●	BOLLARD
---	EDGE OF PAVEMENT	●	BOLLARD WITH ADA PARKING SIGN
---	STANDARD CURB AND GUTTER	---	CONCEPT PUBLIC ROADWAY IMPROVEMENTS (BY OTHERS)
---	REJECT CURB AND GUTTER	---	WATERMAIN
▬	CONCRETE SIDEWALK	---	STORM SEWER
▬	CONCRETE PAVEMENT	---	8'x4'x2" INSULATION

PROPOSED STORM STRUCTURE TABLE

LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
STO CB-3	911.75	E INV: 907.29 (8") W INV: 907.46 (8") S INV: 907.46 (6")	4.5	24 IN DB	DOME GRATE
STO CB-5	912.50	E INV: 909.16 (8") W INV: 909.26 (8")	3.3	24 IN DB	DOME GRATE
STO CB-6	912.85	N INV: 910.18 (8") SE INV: 910.35 (6")	2.7	24 IN DB	DOME GRATE
STO CB-18	903.33	NE INV: 902.00 (12")	4.6	36 IN MH (FLAT)	36" HALLA CONE GRATE #RCG36
STO CO-2.2	907.83	N INV: 907.26 (6") W INV: 907.26 (6")	-	CLEANOUT	R-5900A
STO CO-13.1	907.92	S INV: 907.35 (6") W INV: 907.35 (6")	-	CLEANOUT	R-5900A
STO CO 14.1	908.35	S INV: 907.79 (6") W INV: 907.79 (6") E INV: 907.79 (6")	-	CLEANOUT	R-5900A
STO CO 15.1	908.85	S INV: 908.29 (6") W INV: 908.29 (6") E INV: 908.29 (6")	-	CLEANOUT	R-5900A
STO EW-1	904.10	W INV: 903.00 (12")	-	15 IN HDPE FES	-
STO EW-8	904.38	W INV: 903.00 (15")	-	15 IN HDPE FES	-
STO EW-16	904.10	SW INV: 903.00 (12")	-	12 IN HDPE FES	-
STO EW-19	902.85	SW INV: 901.75 (12")	-	15 IN RCP FES	-
STO INL-2*	906.60	E INV: 903.17 (12") W INV: 903.50 (8")	6.4	2 x 3 INLET	R-3067 TYPE R
STO INL-9**	912.21	E INV: 904.74 (15") W INV: 908.00 (6") S INV: 904.84 (15")	11.2	48 IN MH (FLAT)	R-3067 TYPE R
STO INL-10	911.15	N INV: 905.94 (15") S INV: 906.19 (12") W INV: 906.36 (10")	5.2	2 x 3 INLET	R-3067 TYPE R
STO INL-11	910.52	N INV: 906.66 (12") W INV: 906.76 (12")	3.9	2 x 3 INLET	R-3067 TYPE R
STO INL-12	910.64	E INV: 907.64 (12")	3.0	2 x 3 INLET	R-3067 TYPE R
STO INL-17*	909.04	NE INV: 903.70 (12") SW INV: 904.20 (6")	5.3	2 x 3 INLET	R-3067 TYPE R
STO TEE-2.1	907.30	E INV: 906.55 (8") W INV: 906.55 (8") S INV: 906.72 (6")	-	TEE	-
STO TEE-4	909.51	E INV: 908.76 (8") W INV: 908.76 (8") S INV: 908.76 (6")	-	TEE	-
STO TEE-13	907.73	E INV: 906.79 (10") W INV: 906.79 (10") N INV: 907.13 (6")	-	TEE	-
STO TEE-14	908.17	E INV: 907.23 (10") W INV: 907.23 (10") N INV: 907.56 (6")	-	TEE	-
STO TEE-15	908.67	E INV: 907.73 (10") N INV: 908.06 (6")	-	TEE	INSTALL R-5900A CLEANOUT ON WEST SIDE OF TEE

*INSTALL FLEXSTORM FX+ PERMANENT OIL AND GREASE INLET FILTER
 **INSTALL SNOT OIL AND GREASE BATTLE W/ BUSHIRT. SEE DETAIL ON SP6
 NOTE: INLET RIM ELEVATIONS ARE MEASURED TO FLOW LINE

PROPOSED STORM PIPE TABLE

LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
STO-1	STO INL-2	STO EW-1	24'	903.17	903.00	0.67%	12 IN HDPE
STO-2	STO TEE-2.1	STO INL-2	122'	906.55	903.50	2.50%	8 IN HDPE
STO-2.1	STO CB-3	STO TEE-2.1	30'	907.29	906.55	2.50%	8 IN HDPE
STO-2.2	STO CO-2.2	STO TEE-2.1	54'	907.26	906.72	1.00%	6 IN HDPE
STO-2.3	BUILDING	STO CO-2.2	16'	907.42	907.26	1.00%	6 IN HDPE
STO-3	STO TEE-4	STO CB-3	87'	908.76	907.46	1.50%	8 IN HDPE
STO-3.1	BUILDING	STO CB-3	21'	907.66	907.46	1.00%	6 IN HDPE
STO-4	STO CB-5	STO TEE-4	27'	909.16	908.76	1.50%	8 IN HDPE
STO-4.1	BUILDING	STO TEE-4	10'	908.86	908.76	1.00%	6 IN HDPE
STO-5	STO CB-6	STO CB-5	92'	910.18	909.26	1.00%	8 IN HDPE
STO-6	BUILDING	STO CB-6	28'	910.62	910.35	1.00%	6 IN HDPE
STO-8	STO INL-9	STO EW-8	93'	904.74	903.00	1.87%	15 IN HDPE
STO-9	BUILDING	STO INL-9	79'	908.79	908.00	1.00%	6 IN HDPE
STO-10	STO INL-10	STO INL-9	110'	905.94	904.84	1.00%	15 IN HDPE
STO-11	STO INL-11	STO INL-10	47'	906.66	906.19	1.00%	12 IN HDPE
STO-12	STO INL-12	STO INL-11	88'	907.64	906.76	1.00%	12 IN HDPE
STO-13	STO TEE-13	STO INL-10	44'	906.79	906.36	1.00%	10 IN HDPE
STO-13.1	STO CO-13.1	STO TEE-13	22'	907.35	907.13	1.00%	6 IN HDPE
STO-13.2	BUILDING	STO CO-13.1	5'	907.40	907.35	1.00%	6 IN HDPE
STO-14	STO TEE-14	STO TEE-13	44'	907.23	906.79	1.00%	10 IN HDPE
STO-14.1	STO CO 14.1	STO TEE-14	22'	907.79	907.56	1.00%	6 IN HDPE
STO-14.2	BUILDING	STO CO 14.1	11'	907.90	907.79	1.00%	6 IN HDPE
STO-14.3	BUILDING	STO CO 14.1	11'	907.90	907.79	1.00%	6 IN HDPE
STO-15	STO TEE-15	STO TEE-14	50'	907.73	907.23	1.00%	10 IN HDPE
STO-15.1	STO CO 15.1	STO TEE-15	22'	908.29	908.06	1.00%	6 IN HDPE
STO-15.2	BUILDING	STO CO 15.1	11'	908.40	908.29	1.00%	6 IN HDPE
STO-15.3	BUILDING	STO CO 15.1	11'	908.40	908.29	1.00%	6 IN HDPE
STO-16	STO INL-17	STO EW-16	28'	903.70	903.00	2.50%	12 IN HDPE
STO-17	CAR WASH	STO INL-17	108'	905.28	904.20	1.00%	6 IN HDPE
STO-18	STO EW-19	STO CB-18	35'	901.75	902.00	0.72%	12 IN HDPE

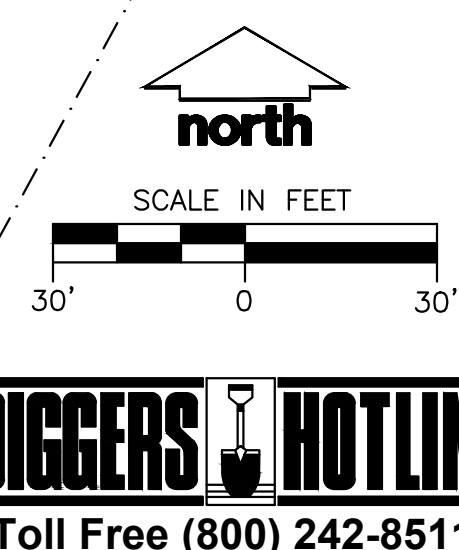
PROPOSED SANITARY STRUCTURE TABLE

LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
EX SAN MH-1	906.91	SW INV: 883.00 (8")	23.9	48 IN MH	-
*SAN MH-2	907.67	NE INV: 884.85 (8") SW INV: 884.85 (8")	22.8	48 IN MH	R-1667 SOLID LID
SAN MH-3	913.21	NE INV: 898.30 (8") W INV: 900.30 (4") S INV: 898.66 (4")	14.9	48 IN MH	R-1667 SOLID LID

* OUTSIDE DROP CONSTRUCTED (10" DROP)

PROPOSED SANITARY PIPE TABLE

LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
EX P-1	SAN MH-2	EX SAN MH-1	46'	884.85	883.00	4.03%	8 IN PVC
P-2	SAN MH-3	SAN MH-2	115'	898.30	884.85	3.00%	8 IN PVC
P-3	BUILDING	SAN MH-3	39'	902.23	900.30	5.00%	4 IN PVC
P-4	BUILDING	SAN MH-3	180'	902.26	898.66	2.00%	4 IN PVC



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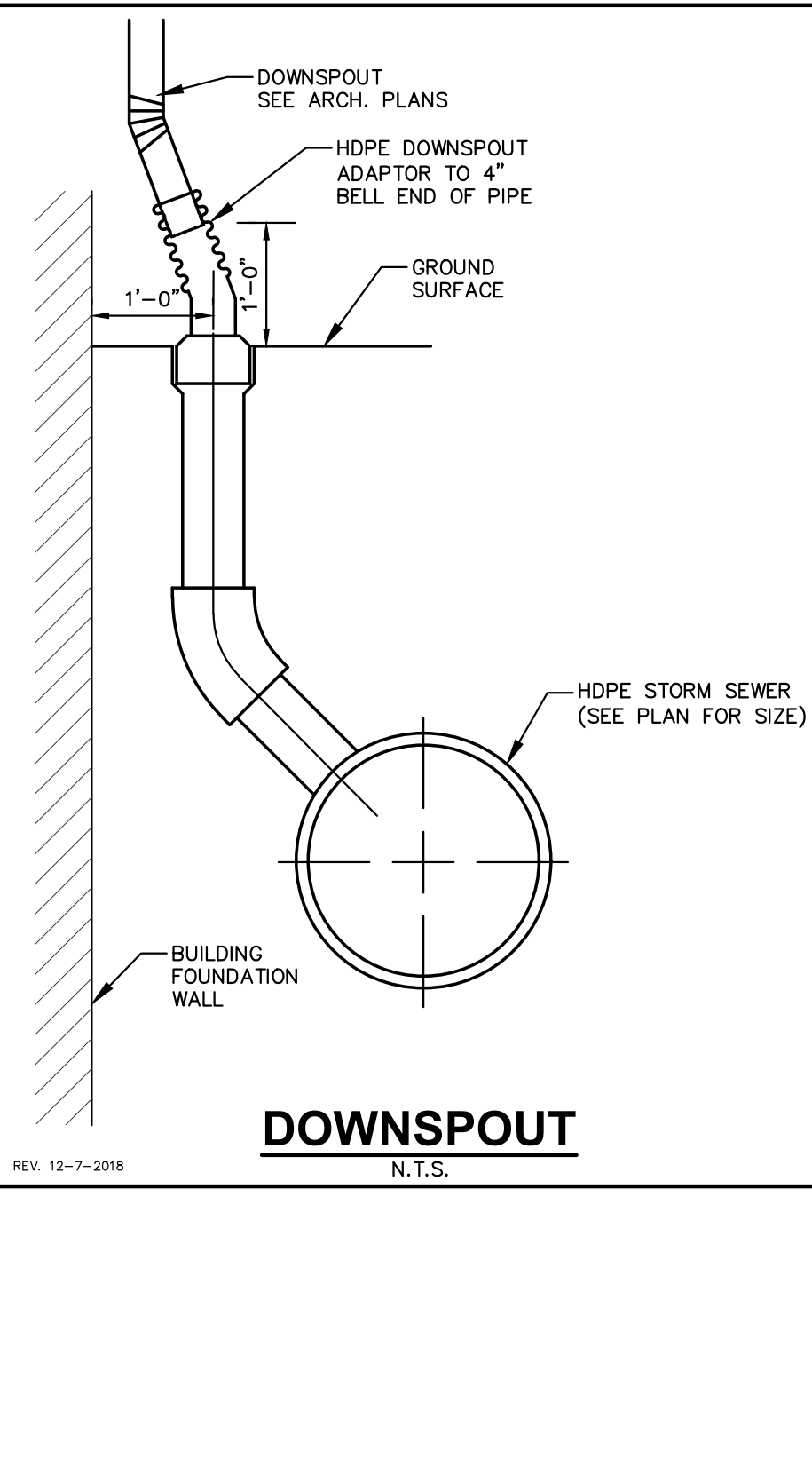
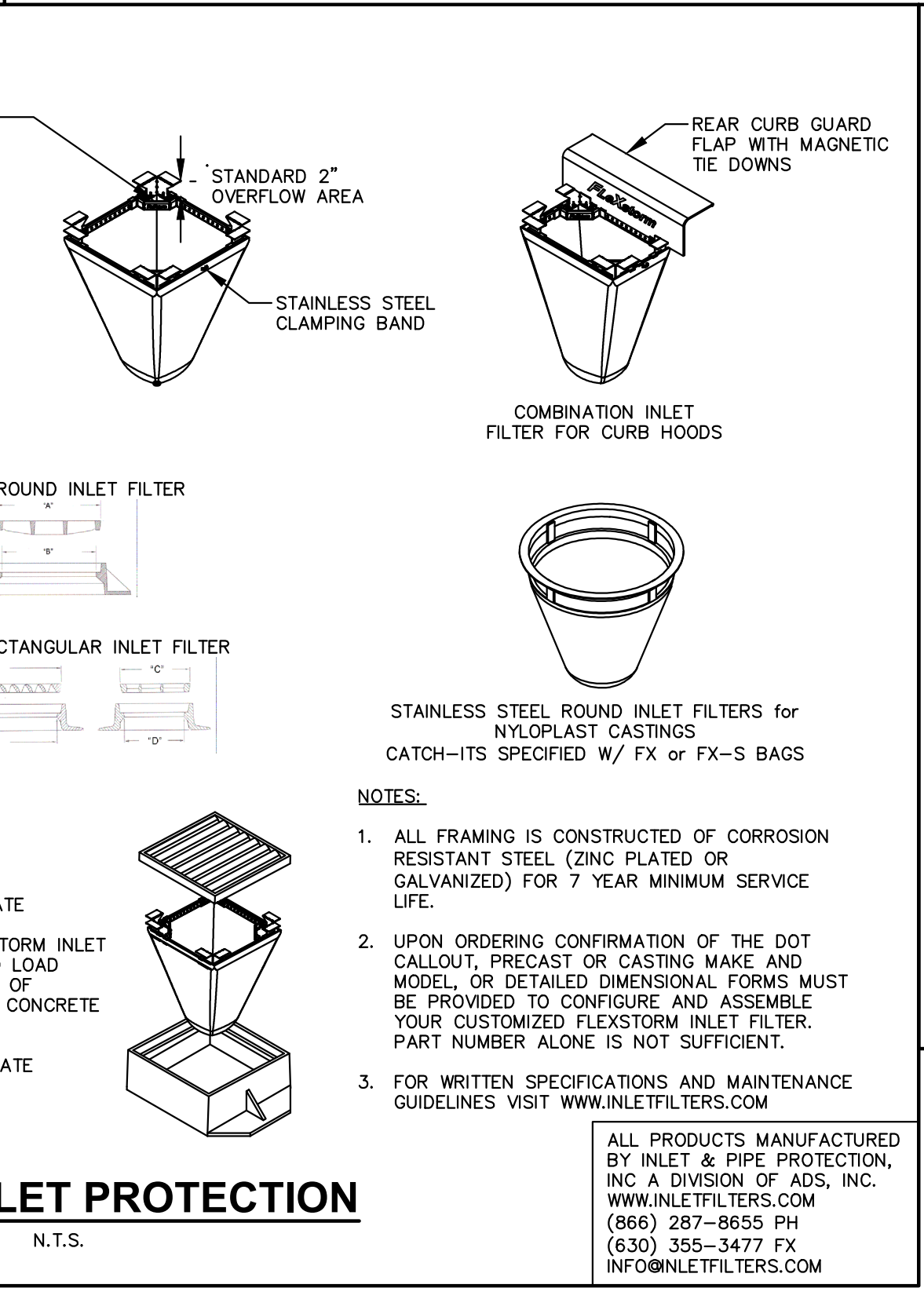
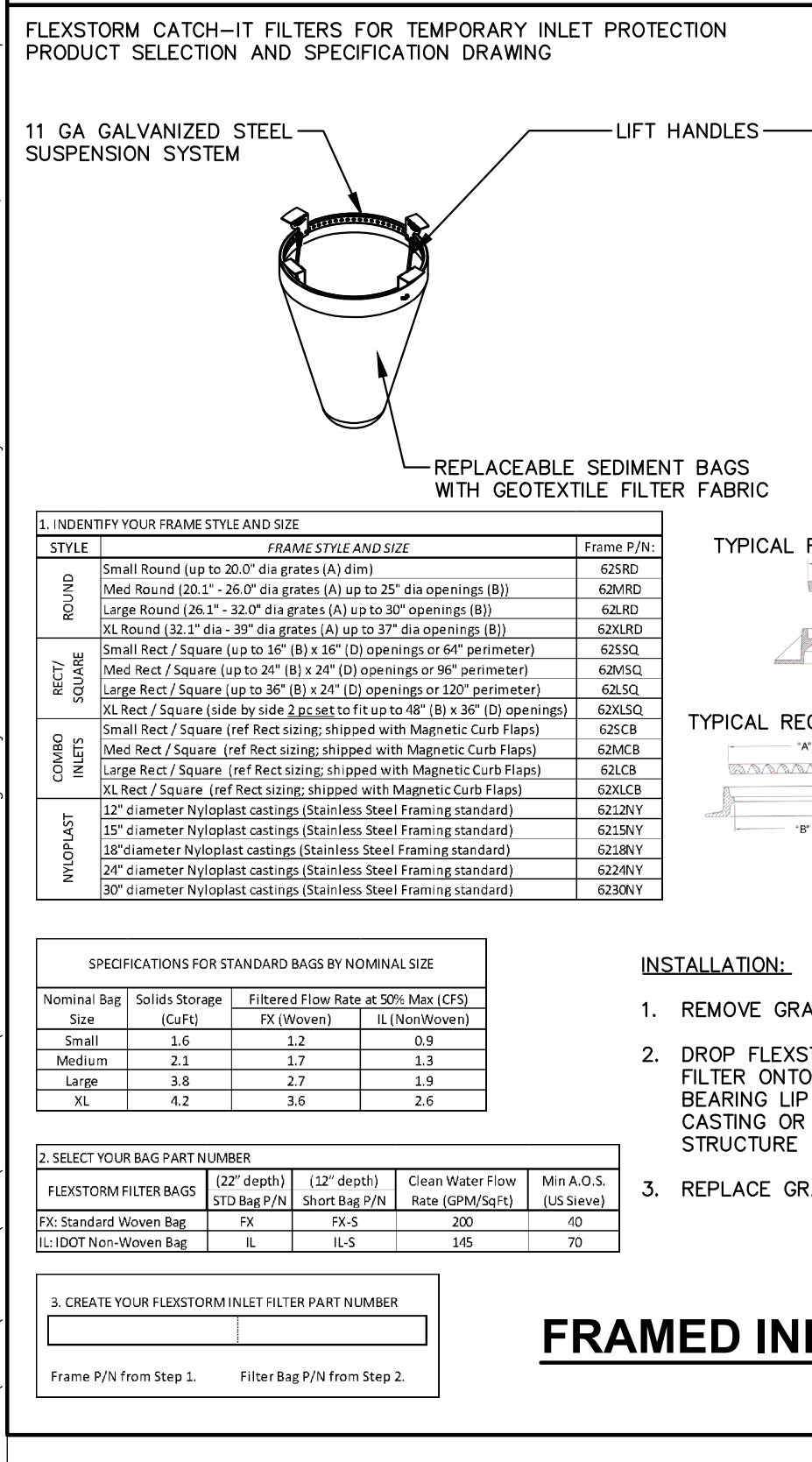
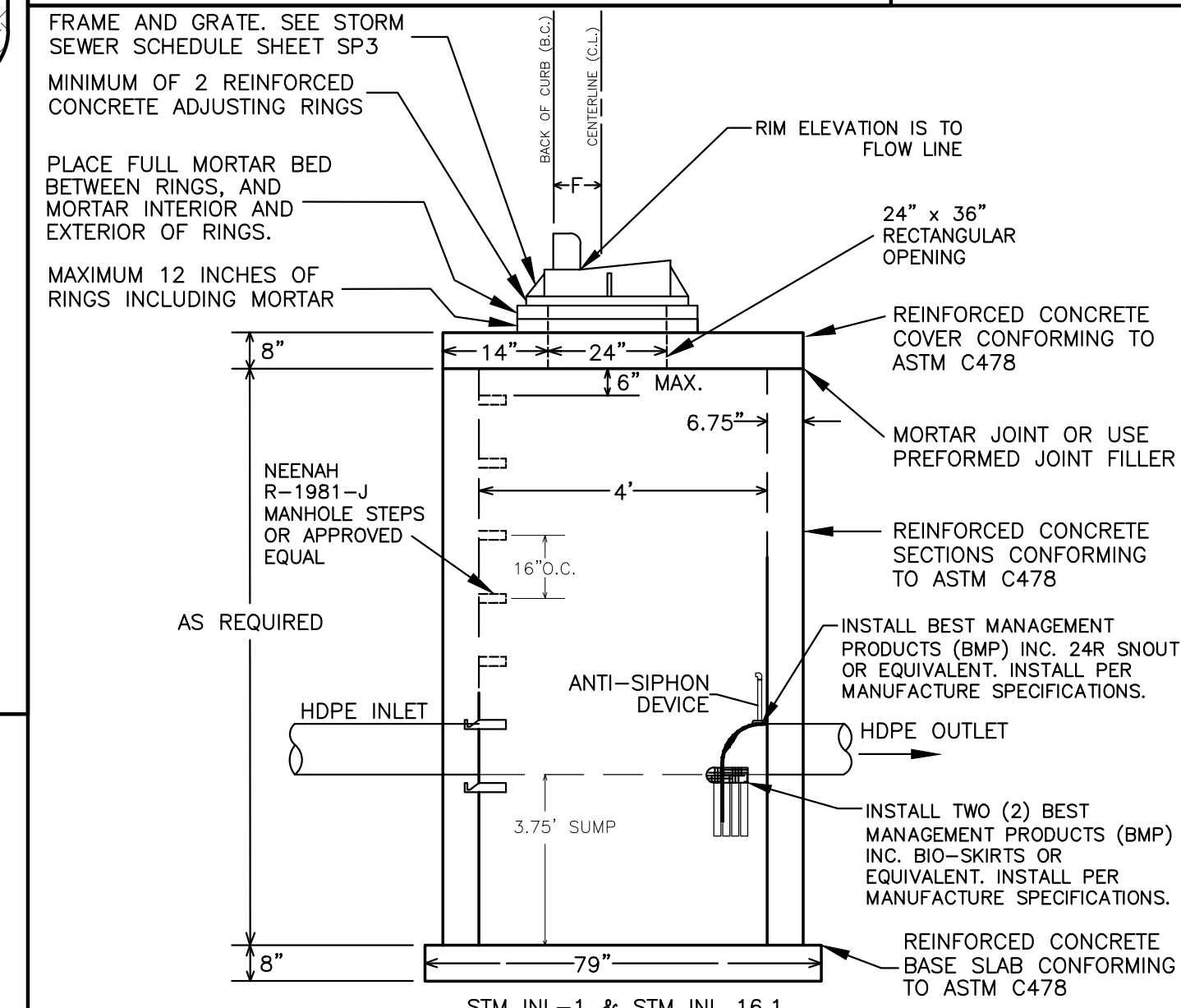
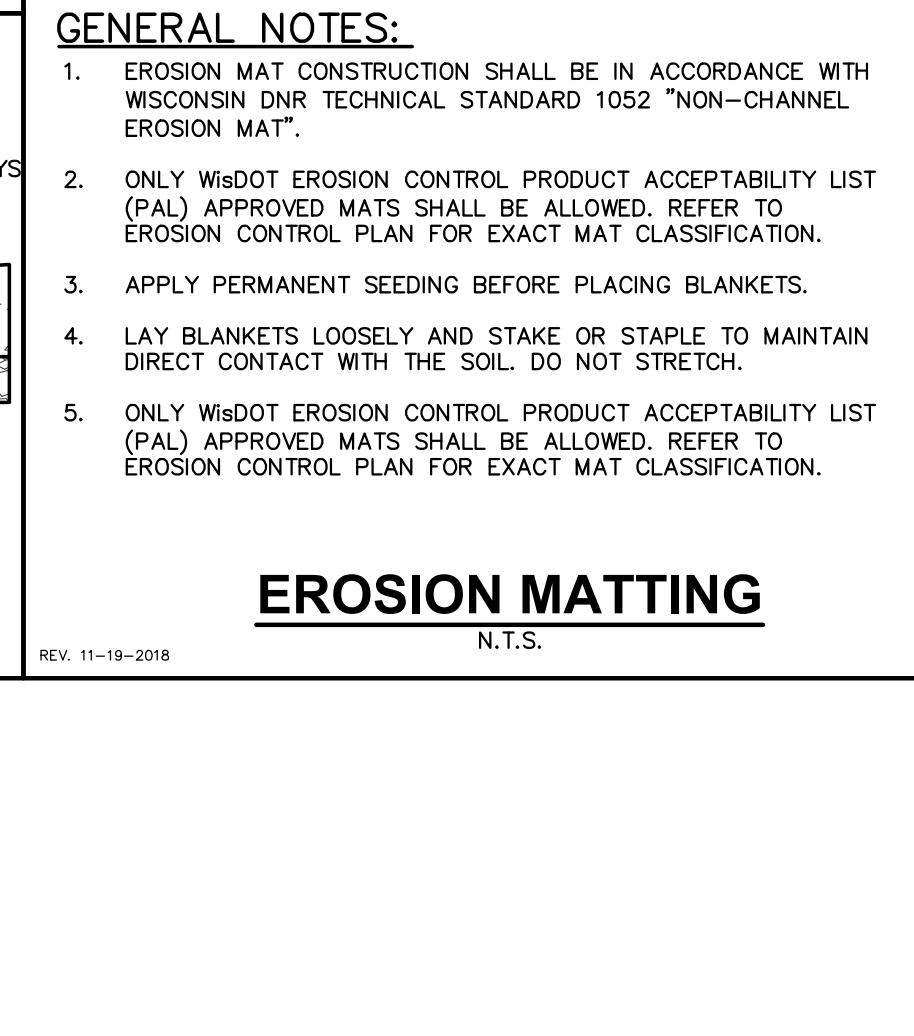
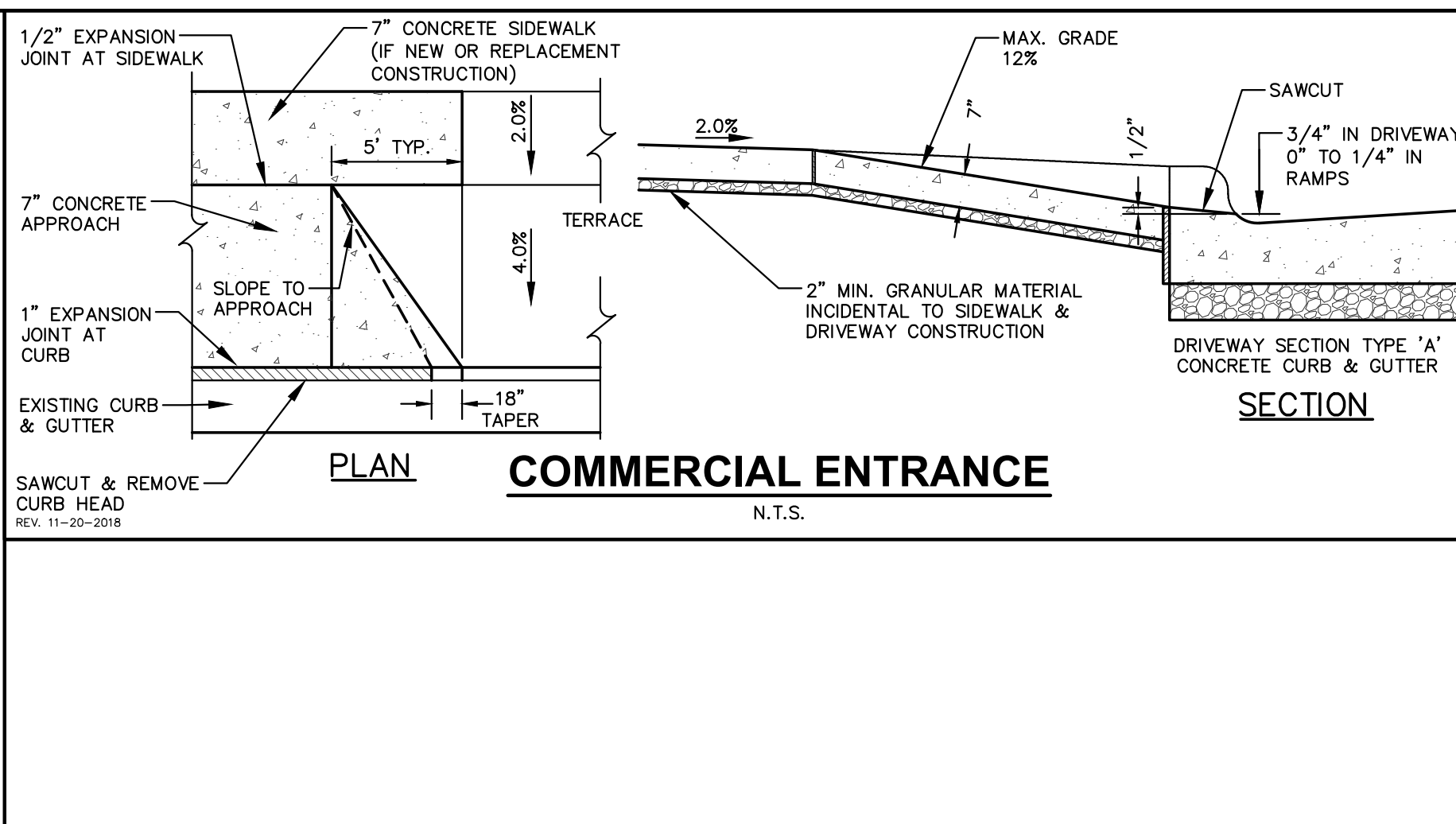
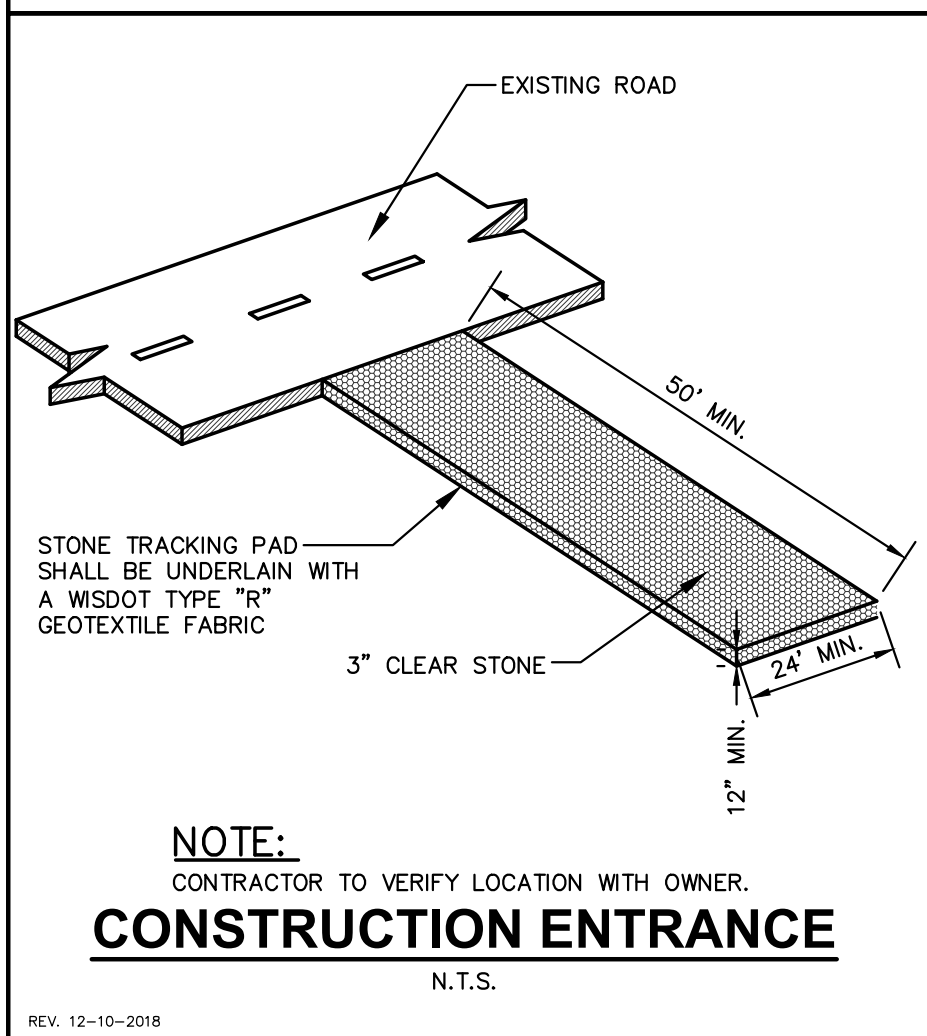
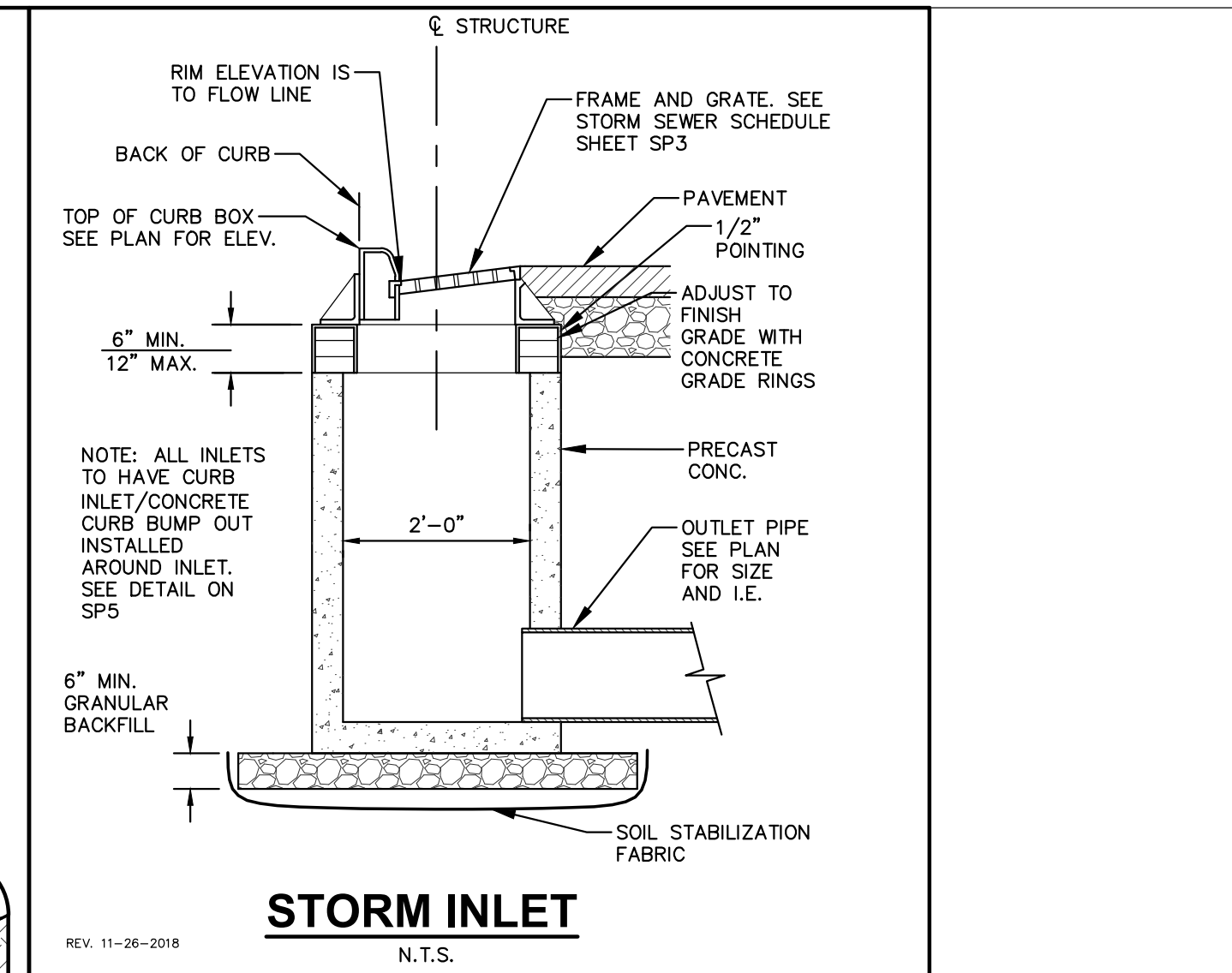
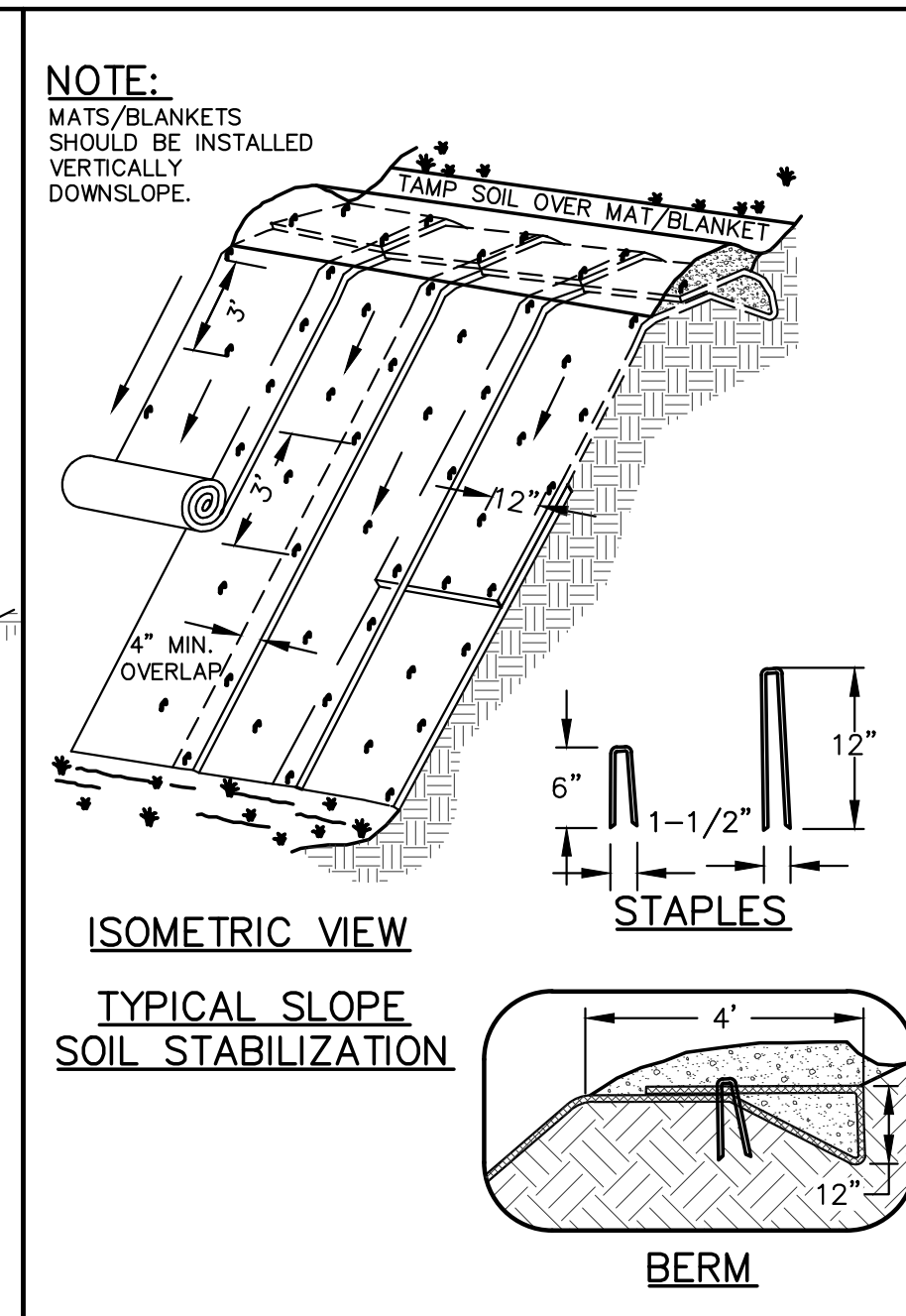
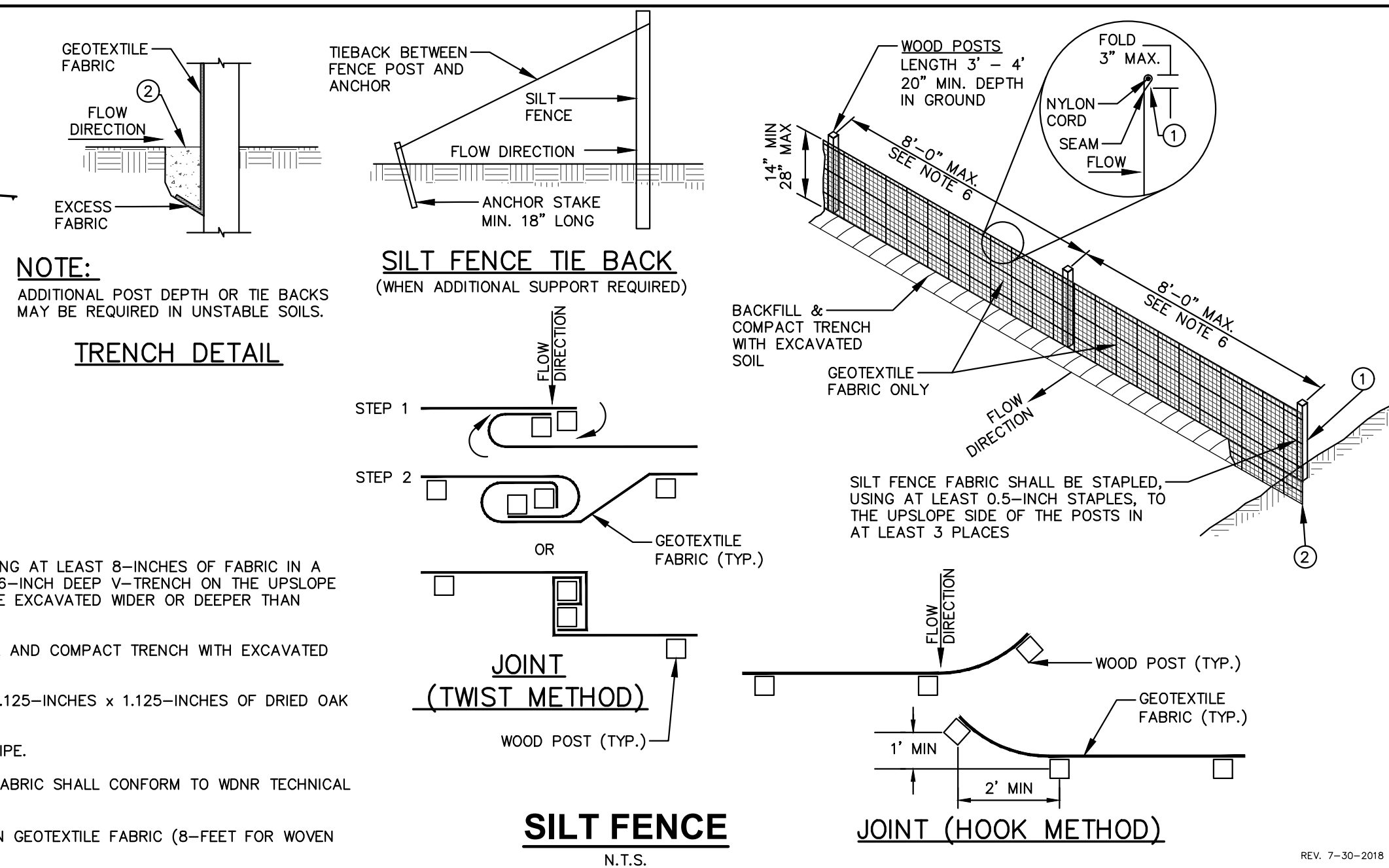
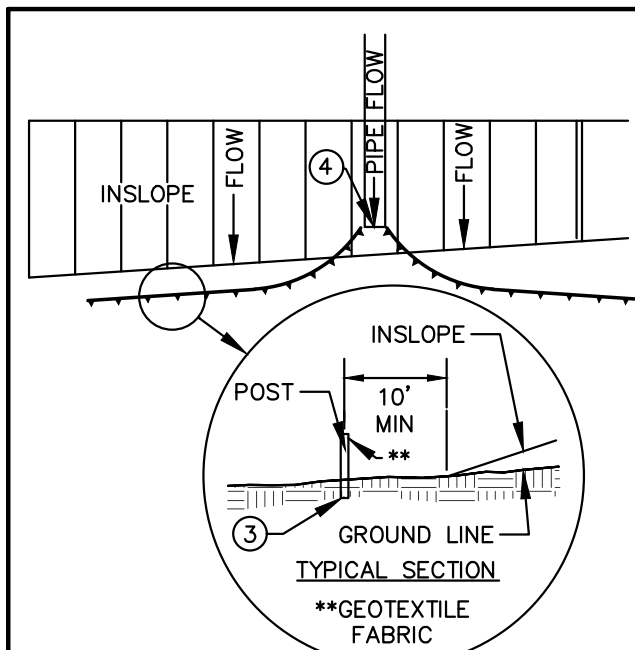
UTILITY PLAN

CONVENIENCE STORE #1166

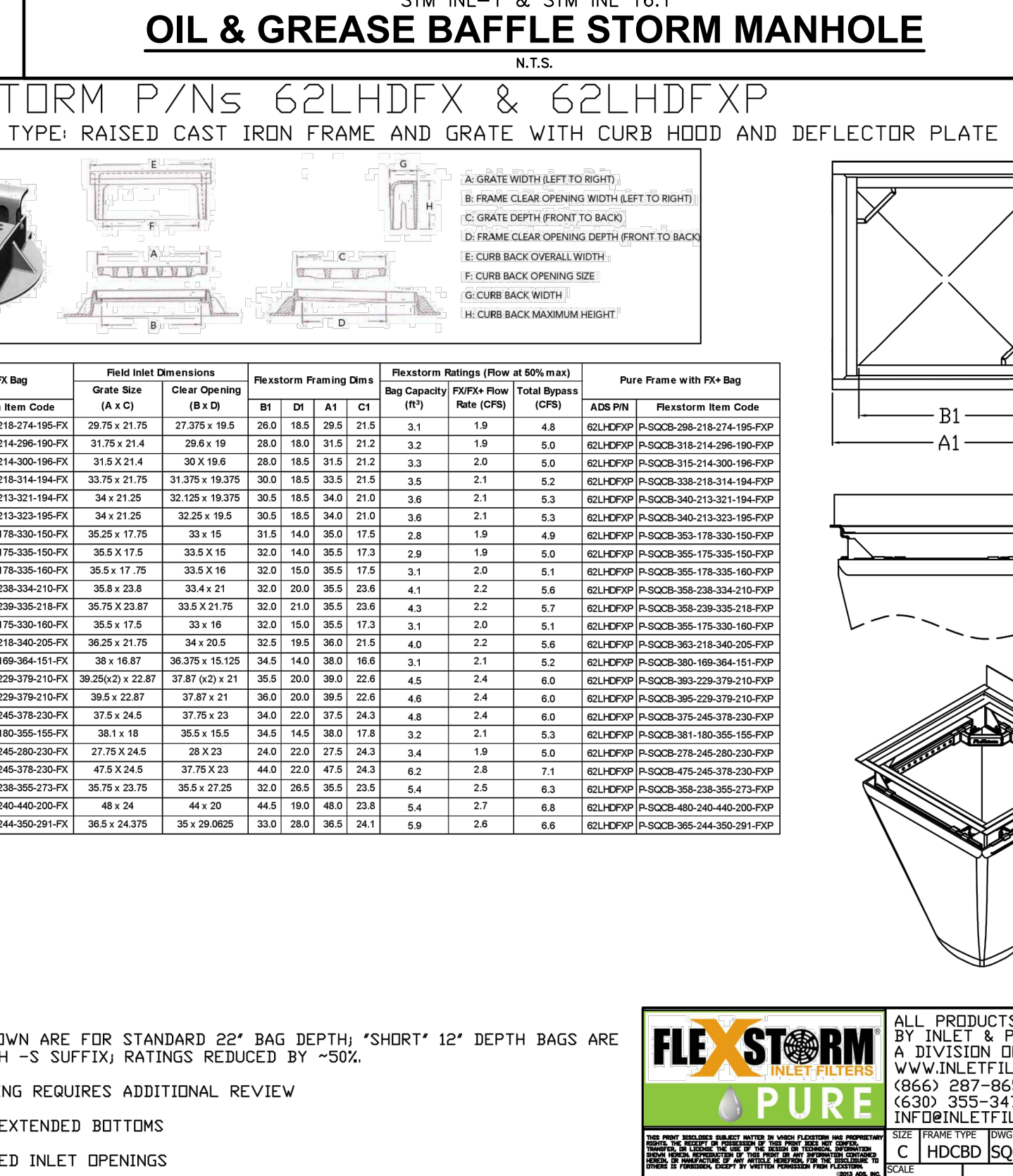
**SOUTH SYENE ROAD
 FITCHBURG, WI**

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY: _____
 SCALE: _____
 JSD PROJ. NO. 20-9726
 DATE 11/17/2020
 SHEET **SP3**



Pure Frame with FX Bag	Field Inlet Dimensions		Flexstorm Framing Dims		Flexstorm Ratings (Flow at 60% max)		Pure Frame with FX Bag			
	Grate Size (A x C)	Clear Opening (B x D)	B1	B2	Flow Rate (CFR)	Total Bypass (CPS)	ADP Rm	Flexstorm Item Code		
62LHDFX P/SQCB-286-214-166-FX	29.75 x 21.75	27.25 x 19.5	28.0	18.5	21.8	3.1	1.9	6.0	62LHDFX P/SQCB-286-214-166-FX	
62LHDFX P/SQCB-318-214-190-FX	31.75 x 21.4	29.6 x 19	28.0	18.0	21.2	3.2	1.9	6.0	62LHDFX P/SQCB-318-214-190-FX	
62LHDFX P/SQCB-315-214-200-166-FX	31.5 x 21.4	30 x 19.6	28.0	18.5	21.2	3.3	2.0	6.0	62LHDFX P/SQCB-315-214-200-166-FX	
62LHDFX P/SQCB-338-214-184-FX	33.75 x 21.75	31.375 x 19.375	30.0	18.5	23.5	2.5	2.1	6.0	62LHDFX P/SQCB-338-214-184-FX	
62LHDFX P/SQCB-340-213-221-184-FX	34 x 21.25	32.125 x 19.375	30.5	18.5	24.0	2.7	2.1	6.0	62LHDFX P/SQCB-340-213-221-184-FX	
62LHDFX P/SQCB-340-213-232-184-FX	34 x 21.25	32.25 x 19.5	30.5	18.5	24.0	2.8	2.1	6.0	62LHDFX P/SQCB-340-213-232-184-FX	
62LHDFX P/SQCB-353-175-330-160-FX	35.5 x 17.75	33 x 15	31.5	14.0	35.0	1.75	2.8	1.9	4.9	62LHDFX P/SQCB-353-175-330-160-FX
62LHDFX P/SQCB-355-175-335-160-FX	35.5 x 17.75	33.5 x 15	32.0	14.0	35.5	1.73	2.9	1.9	6.0	62LHDFX P/SQCB-355-175-335-160-FX
62LHDFX P/SQCB-358-175-335-160-FX	35.5 x 17.75	33.5 x 15	32.0	14.0	35.5	1.73	2.1	2.0	6.1	62LHDFX P/SQCB-358-175-335-160-FX
62LHDFX P/SQCB-358-238-335-160-FX	35.5 x 23.8	33.4 x 21	32.0	20.0	35.5	2.81	4.1	2.2	5.6	62LHDFX P/SQCB-358-238-335-160-FX
62LHDFX P/SQCB-358-238-335-218-FX	35.5 x 23.8	33.5 x 21.75	32.0	21.0	35.5	2.96	4.3	2.2	5.7	62LHDFX P/SQCB-358-238-335-218-FX
62LHDFX P/SQCB-355-175-330-160-FX	35.5 x 17.5	33 x 15	32.0	15.0	35.5	1.73	3.1	2.0	6.1	62LHDFX P/SQCB-355-175-330-160-FX
62LHDFX P/SQCB-363-218-340-205-FX	36.5 x 21.75	34 x 20.5	32.5	19.5	36.0	2.15	4.0	2.2	6.0	62LHDFX P/SQCB-363-218-340-205-FX
62LHDFX P/SQCB-363-188-364-181-FX	36 x 18.87	36.375 x 15.125	34.5	14.0	36.0	1.68	3.1	2.1	5.2	62LHDFX P/SQCB-363-188-364-181-FX
62LHDFX P/SQCB-363-228-378-210-FX	36.25 x 22.87	37.87 x 22.1	35.5	20.0	39.0	2.26	4.5	2.4	6.0	62LHDFX P/SQCB-363-228-378-210-FX
62LHDFX P/SQCB-366-228-378-210-FX	36.5 x 22.87	37.87 x 21	36.0	20.0	38.5	2.28	4.6	2.4	6.0	62LHDFX P/SQCB-366-228-378-210-FX
62LHDFX P/SQCB-375-245-378-230-FX	37.5 x 24.5	37.75 x 23	34.0	22.0	37.5	2.43	4.8	2.4	6.0	62LHDFX P/SQCB-375-245-378-230-FX
62LHDFX P/SQCB-381-180-355-160-FX	38 x 18	36.5 x 15.8	34.5	14.5	36.0	1.73	3.2	2.1	5.3	62LHDFX P/SQCB-381-180-355-160-FX
62LHDFX P/SQCB-375-245-330-230-FX	37.5 x 24.5	38 x 23	34.0	22.0	37.5	2.43	3.4	1.9	6.0	62LHDFX P/SQCB-375-245-330-230-FX
62LHDFX P/SQCB-475-245-378-230-FX	47.5 x 24.5	37.75 x 23	44.0	22.0	47.5	2.43	6.2	2.8	7.1	62LHDFX P/SQCB-475-245-378-230-FX
62LHDFX P/SQCB-358-238-355-273-FX	35.75 x 23.75	35.5 x 27.38	32.0	26.5	35.5	2.95	5.4	2.5	6.3	62LHDFX P/SQCB-358-238-355-273-FX
62LHDFX P/SQCB-480-240-400-205-FX	48 x 24	44 x 20	44.0	19.0	48.0	2.88	4.4	2.7	6.8	62LHDFX P/SQCB-480-240-400-205-FX
62LHDFX P/SQCB-365-244-350-201-FX	36.5 x 24.375	35 x 20.8625	33.0	20.5	34.1	5.9	5.8	5.8	6.0	62LHDFX P/SQCB-365-244-350-201-FX



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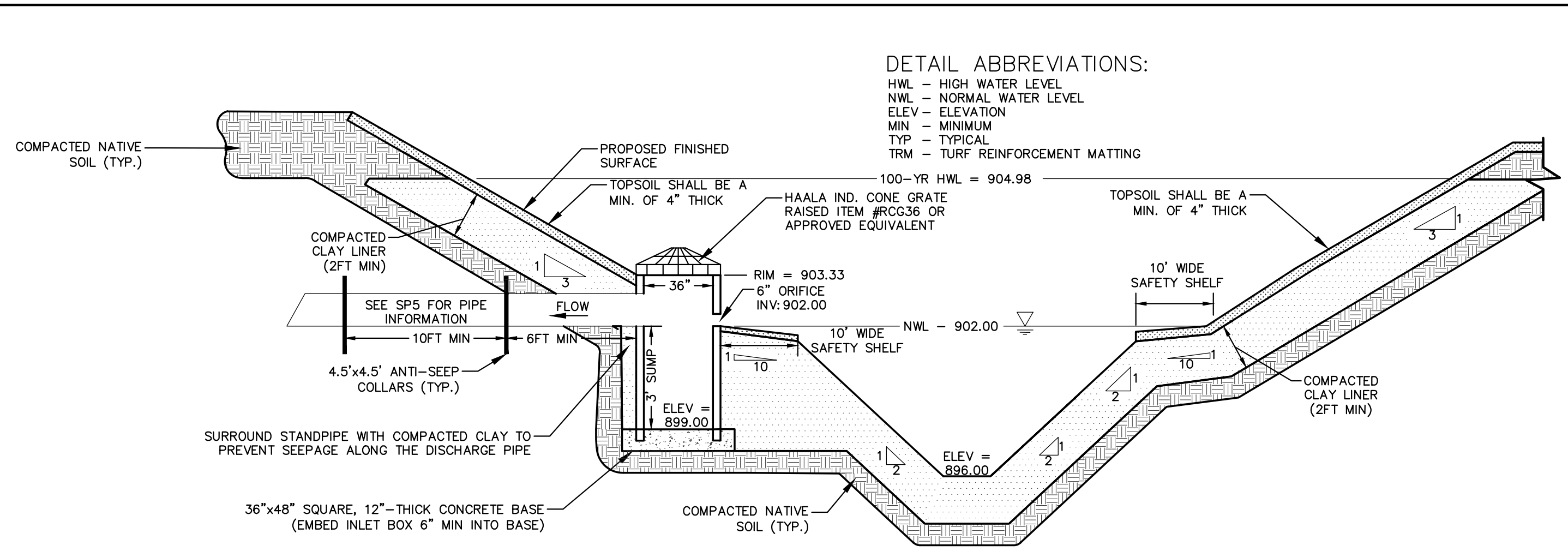
DETAILS

CONVENIENCE STORE #11166

SOUTH SYENE ROAD
FITCHBURG, WI

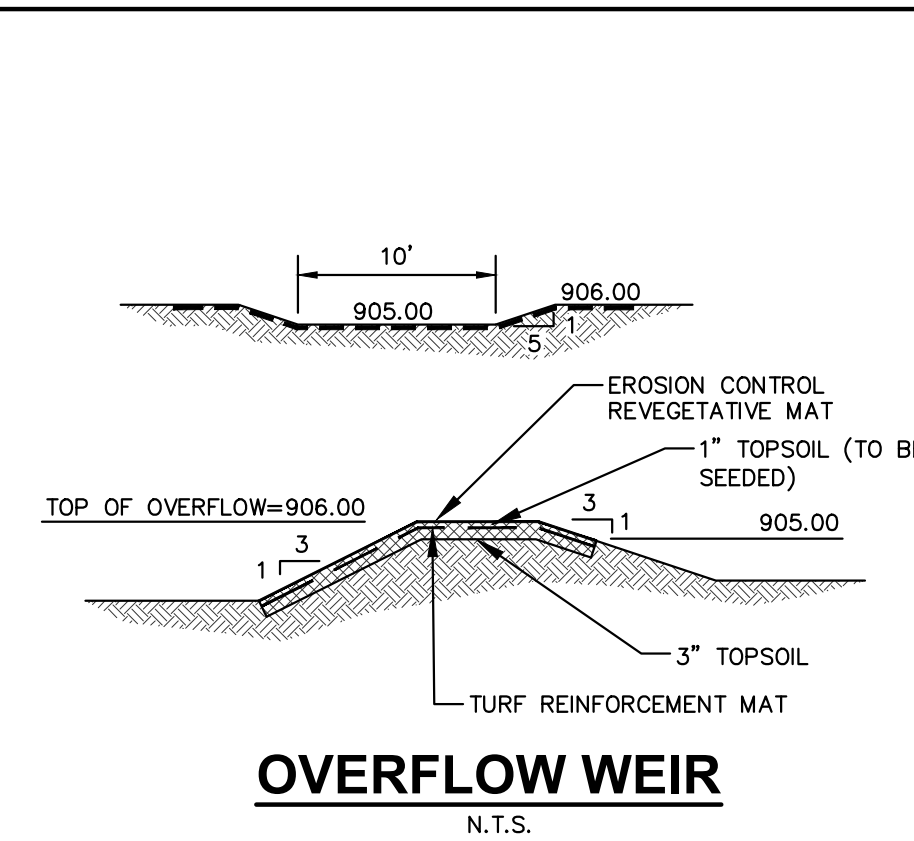
#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY: _____
SCALE: _____
JSD PROJ. NO. 20-9726
DATE 11/17/2020
SHEET SP4



DETAIL ABBREVIATIONS:

- HWL - HIGH WATER LEVEL
- NWL - NORMAL WATER LEVEL
- ELEV - ELEVATION
- MIN - MINIMUM
- TYP - TYPICAL
- TRM - TURF REINFORCEMENT MATTING



OVERFLOW WEIR
N.T.S.

GENERAL NOTES:

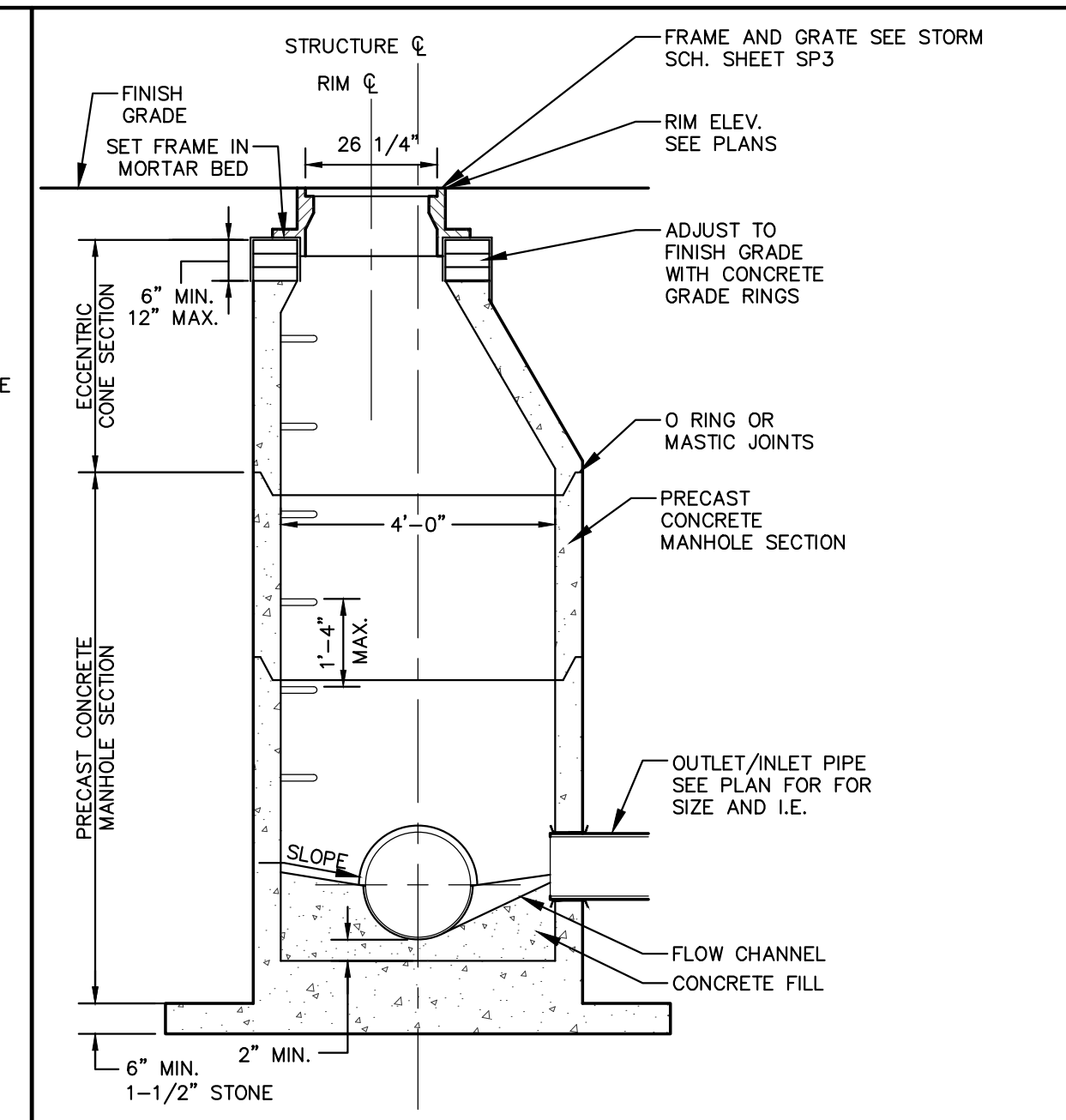
1. ALL CONSTRUCTION SHALL MEET THE SPECIFICATIONS OF "WDR WET DETENTION BASIN TECHNICAL STANDARD 1001".
2. ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH THE STORM WATER MANAGEMENT PLAN FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER OF RECORD.
3. OWNER OR CONTRACTOR MUST CONSULT LANDSCAPE ARCHITECT OR ECOLOGICAL PLANNING AGENCY FOR APPROPRIATE PLANTS AND PLANTING CONFIGURATIONS.
4. CLAY LINER SHALL BE A MINIMUM OF 2-FEET THICK. CLAY SHALL BE COMPACTED AT ±2.0% OPTIMAL MOISTURE CONTENT TO 90% MODIFIED PROCTOR. MEDIUM STIFF TO STIFF CLAYS PRESENT IN-PLACE AT THE POND SIDE SLOPES OR BOTTOM OR OTHER ONSITE MEDIUM STIFF TO STIFF CLAYS MAY BE USED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER OF RECORD.
5. FOR CONSTRUCTED EMBANKMENTS WHERE THE PERMANENT POOL IS PONDED 3-FEET OR MORE AGAINST THE EMBANKMENT, THERE SHALL BE A CORE TRENCH OR KEYWAY ALONG THE CENTERLINE OF THE EMBANKMENT UP TO THE PERMANENT POOL ELEVATION. THE CORE TRENCH OR KEYWAY SHALL BE A MINIMUM OF 2-FEET DEEP AND 8-FEET WIDE WITH A SIDE SLOPE OF 1:1 OR FLATTER.
6. CONTRACTOR SHALL POSITION ANTI-SEEP COLLAR SUCH THAT THE COLLARS ARE COMPLETELY CONTAINED WITHIN EMBANKMENT.
7. CONTRACTOR SHALL FIT STANDPIPE WITH REMOVABLE CONSTRUCTION ORIFICE PLATE OVER THE PERMANENT DEWATERING ORIFICE. THE CONSTRUCTION ORIFICE SHALL REMAIN IN PLACE UNTIL 70% VEGETATION IS ESTABLISHED OVER THE CONTRIBUTING AREA OF THE POND.
8. IMMEDIATELY INSTALL FILTER FABRIC OVER ALL OUTLETS TO PREVENT SEDIMENT DEPOSITION IN THE PIPING. (REMOVE FOLLOWING CONTRIBUTING AREA STABILIZATION)
9. THE TRASH GRATE OVER THE PERMANENT DEWATERING ORIFICE SHALL BE ADDED FOLLOWING REMOVAL OF THE CONSTRUCTION ORIFICE.

NOTE:

THE STORMWATER MANAGEMENT FEATURES CONTAINED WITHIN THIS PLAN SET HAVE BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE STANDARDS SET FORTH IN WISCONSIN DNR NR151 AND LOCAL ORDINANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER CONSTRUCTION PRACTICES HAVE BEEN UTILIZED AND THAT STORMWATER MANAGEMENT FEATURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED DESIGN PLANS. JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL NOT BE LIABLE FOR ANY CONSTRUCTION PRACTICES OR INSTALLATION WHICH DEVIATES FROM THE APPROVED PLAN SET. ONCE THE OWNER HAS PROVIDED FINAL APPROVAL TO THE WORK PERFORMED BY THE CONTRACTOR AND ENSURED COMPLIANCE WITH THE PLAN, IT IS THE OWNER'S RESPONSIBILITY TO MAINTAIN STORMWATER MANAGEMENT FEATURES IN ACCORDANCE WITH THE RECORDED MAINTENANCE AGREEMENT. PROPER OPERATION IS DEPENDENT ON A MULTITUDE OF VARIABLES INCLUDING WEATHER. THESE COMPONENTS REQUIRE ONGOING MAINTENANCE FOR WHICH THE OWNER IS RESPONSIBLE. JSD TAKES NO RESPONSIBILITY FOR PROPER OPERATION OF THE WATER QUALITY COMPONENTS.

WET POND CROSS SECTION

N.T.S.

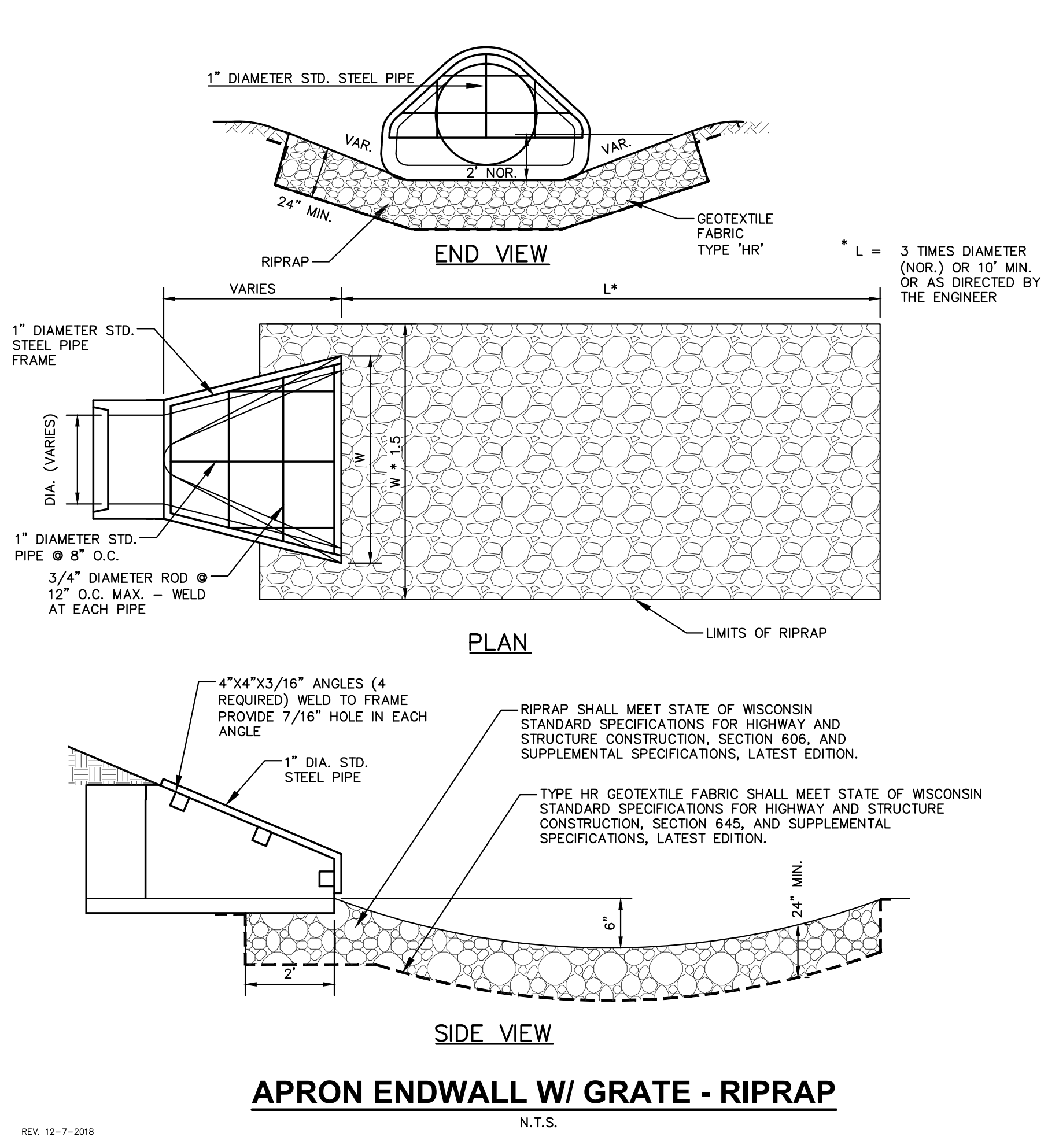


GENERAL NOTES:

1. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. PROVIDE FLAT TOP SLAB FOR MANHOLES 5' OR LESS IN DEPTH. FLAT TOP SLABS TO BE IN-BELL TYPE.
3. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
4. USE MORTAR FOR PIPE CONNECTIONS.
5. ECCENTRIC CONE SECTION OF MANHOLE TO BE SET OUTSIDE OF VEHICULAR WHEEL PATH NEAR ROADWAY.
6. USE NEENAH R-2501-G BEEHIVE FRAME AND GRATE WHEN IN LANDSCAPE AREAS.

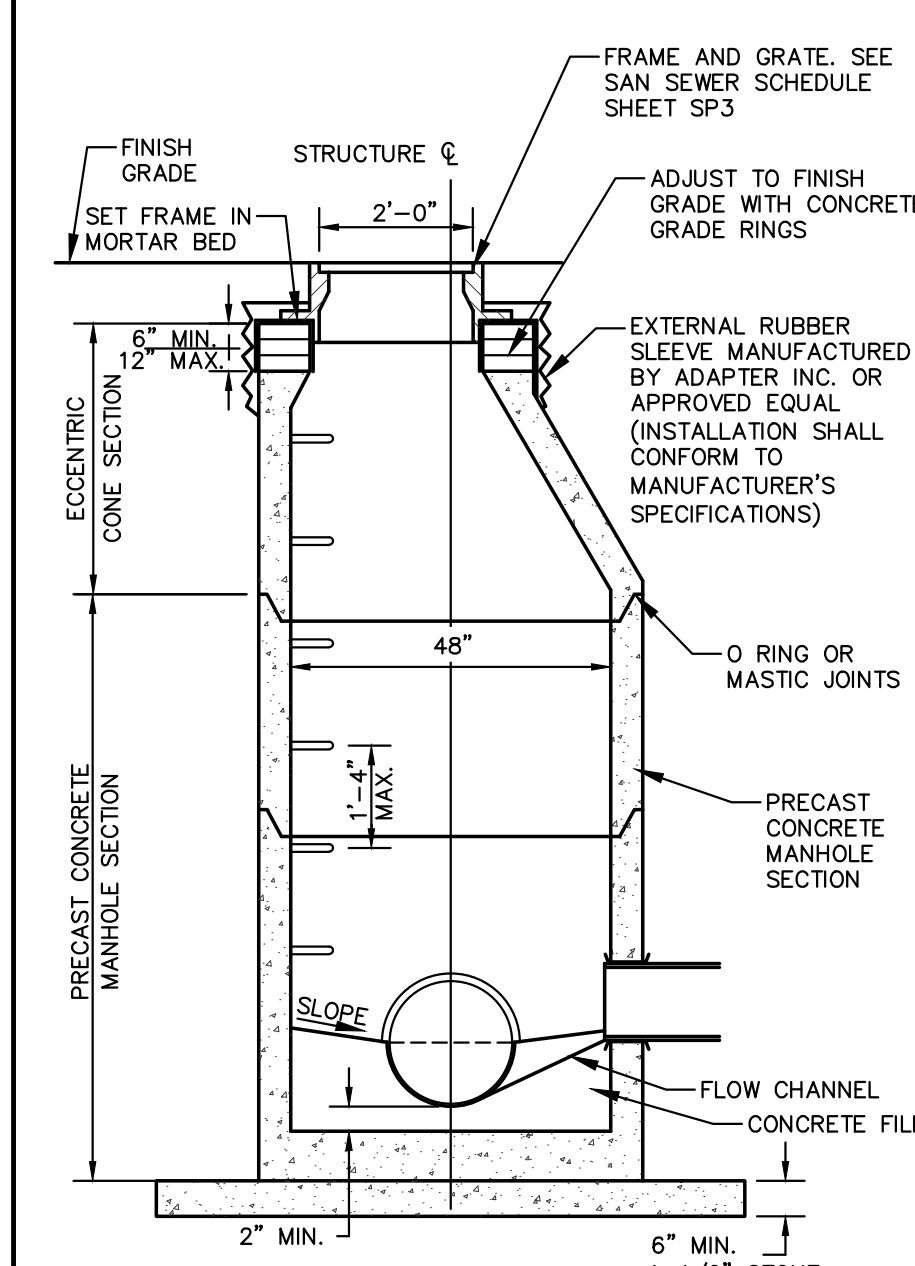
STORM SEWER MANHOLE

N.T.S.



APRON ENDWALL W/ GRATE - RIPRAP

N.T.S.

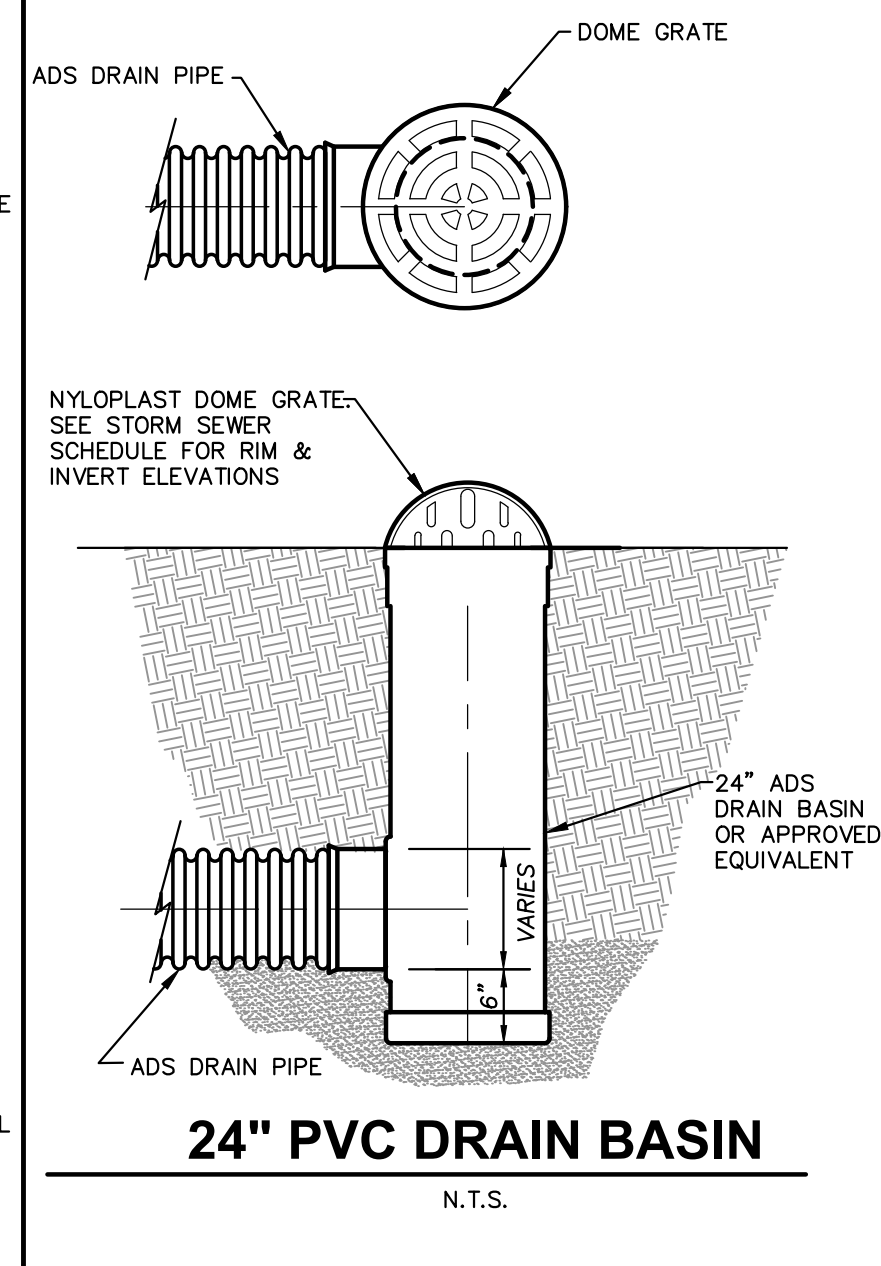


SANITARY SEWER MANHOLE

N.T.S.

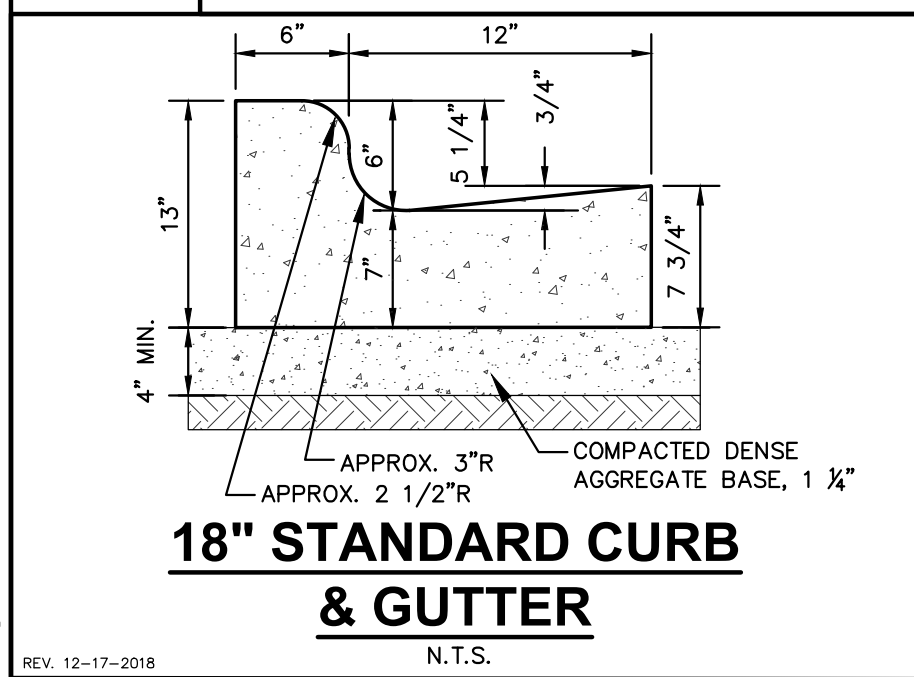
GENERAL NOTES:

1. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
3. USE MORTAR FOR PIPE CONNECTIONS.
4. ALL MANHOLES SHALL HAVE RUBBER CHIMNEY BOOT SEALS.



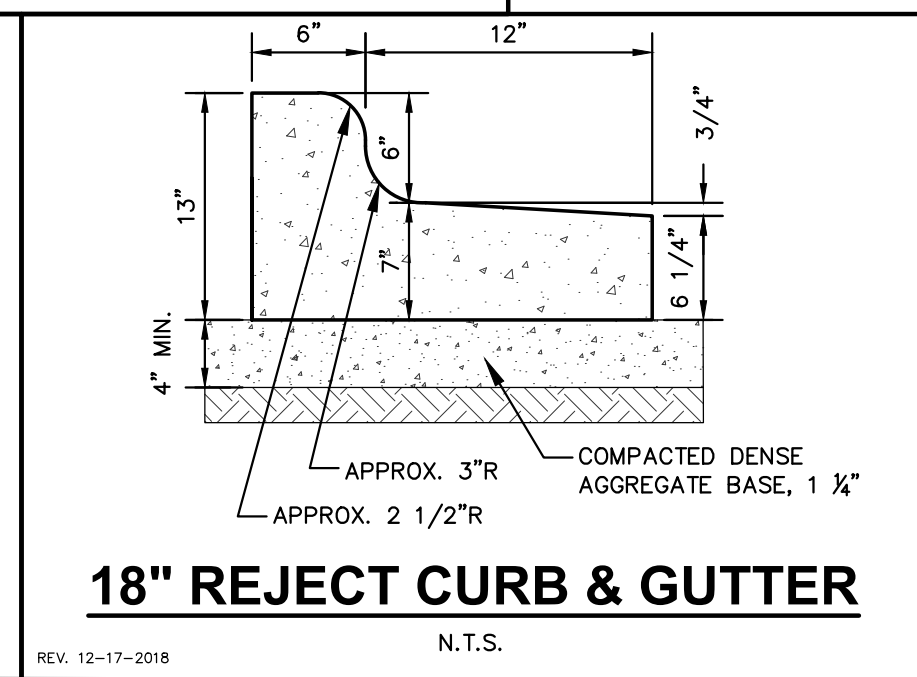
24" PVC DRAIN BASIN

N.T.S.



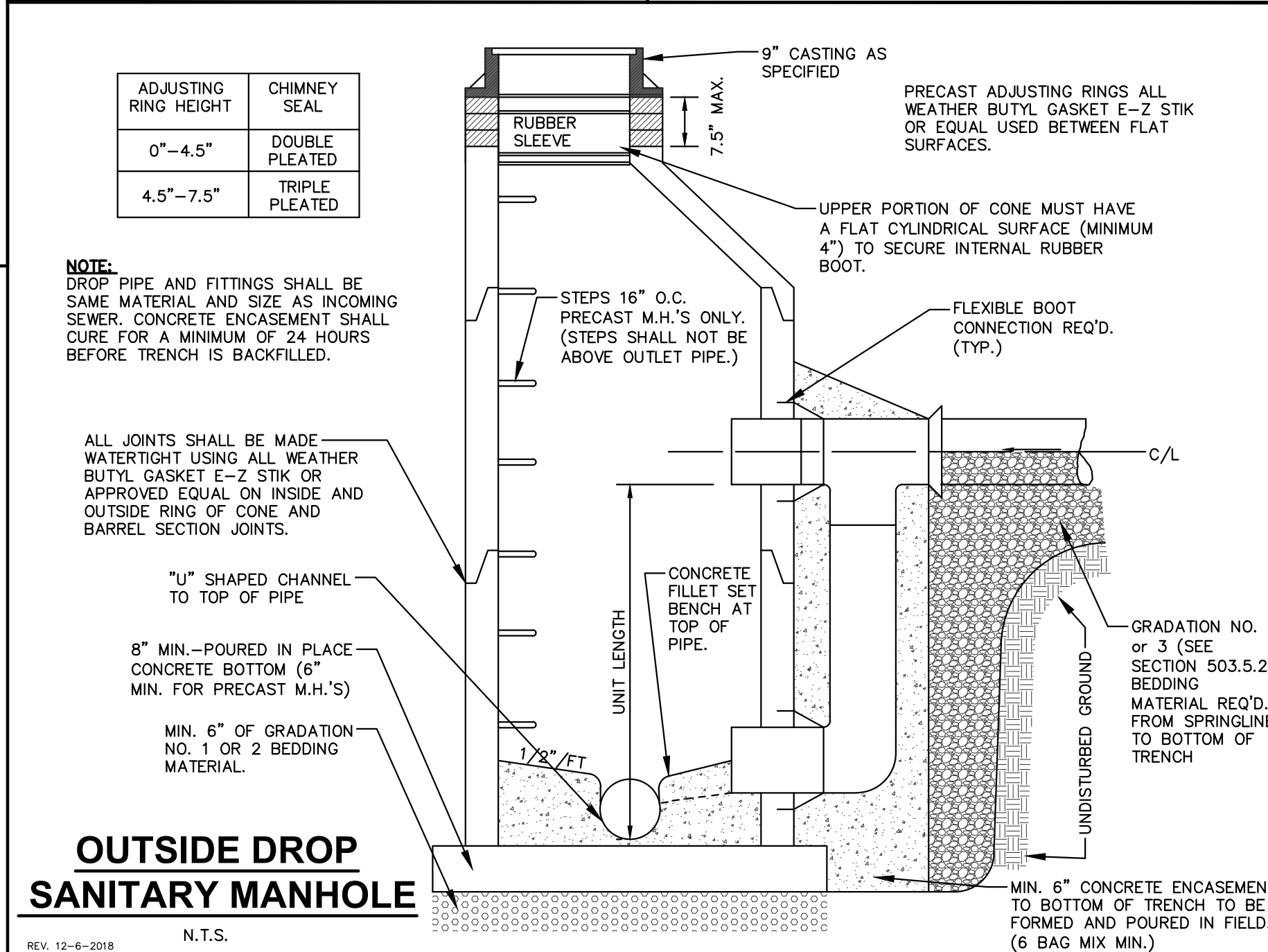
18" STANDARD CURB & GUTTER

N.T.S.



18" REJECT CURB & GUTTER

N.T.S.



OUTSIDE DROP SANITARY MANHOLE

N.T.S.

NOTE:
DROP PIPE AND FITTINGS SHALL BE SAME MATERIAL AND SIZE AS INCOMING SEWER. CONCRETE ENCASEMENT SHALL CURE FOR A MINIMUM OF 24 HOURS BEFORE TRENCH IS BACKFILLED.

ALL JOINTS SHALL BE MADE WATERTIGHT USING ALL WEATHER BUTYL GASKET E-Z STIK OR APPROVED EQUAL ON INSIDE AND OUTSIDE RING OF CONE AND BARREL SECTION JOINTS.

"U" SHAPED CHANNEL TO TOP OF PIPE

8" MIN. POURED IN PLACE CONCRETE BOTTOM (6" MIN. FOR PRECAST M.H.'S)

MIN. 6" OF GRADATION NO. 1 OR 2 BEDDING MATERIAL

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MADISON MILWAUKEE WAUSAU APPLETON KENOSHA CHICAGO COEUR D'ALENE

DRAFT

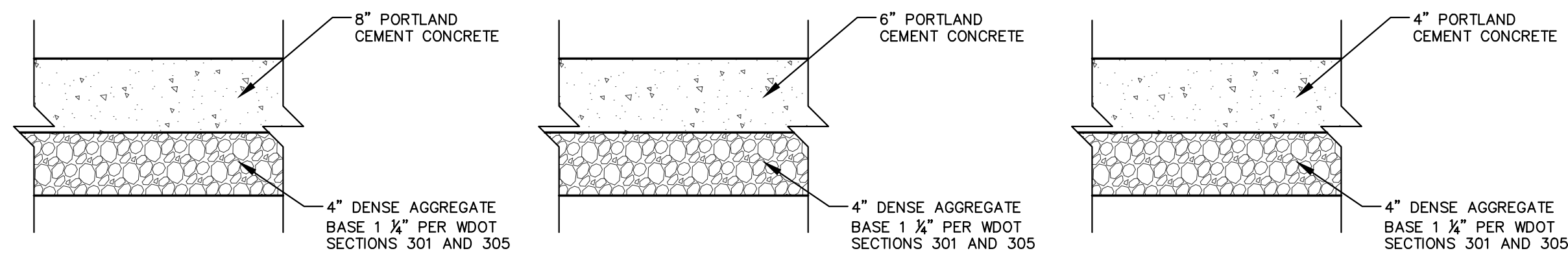
DETAILS

CONVENIENCE STORE #1166

SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY _____
SCALE _____
JSD PROJ. NO. 20-9726
DATE 11/17/2020
SHEET **SP4.1**



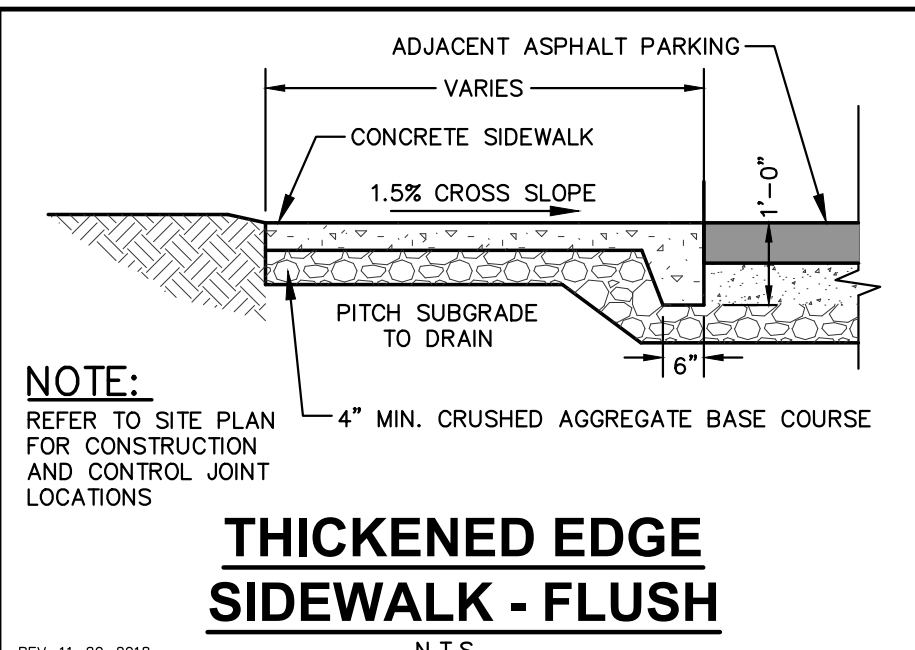
HEAVY DUTY CONCRETE SECTION STANDARD CONCRETE SECTION CONCRETE SIDEWALK SECTION

GENERAL NOTES:

- REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY GILES ENGINEERING ASSOCIATES, INC., DATED AUGUST 19, 2020 (PROJECT NO. 16-2007016). IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
- WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
 - BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
 - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
- CONSULT OWNER FOR REINFORCEMENT, IF ANY, AND MIX DESIGN.

PAVEMENT SECTIONS

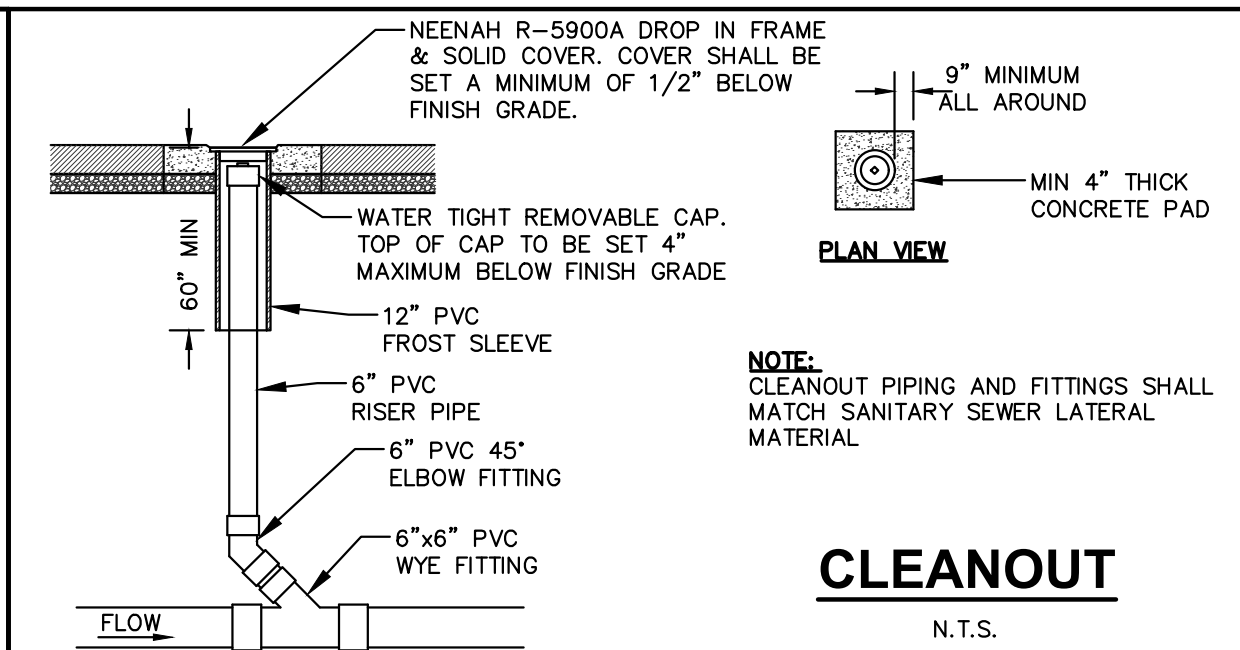
N.T.S.



THICKENED EDGE SIDEWALK - FLUSH

REV. 11-20-2018

N.T.S.



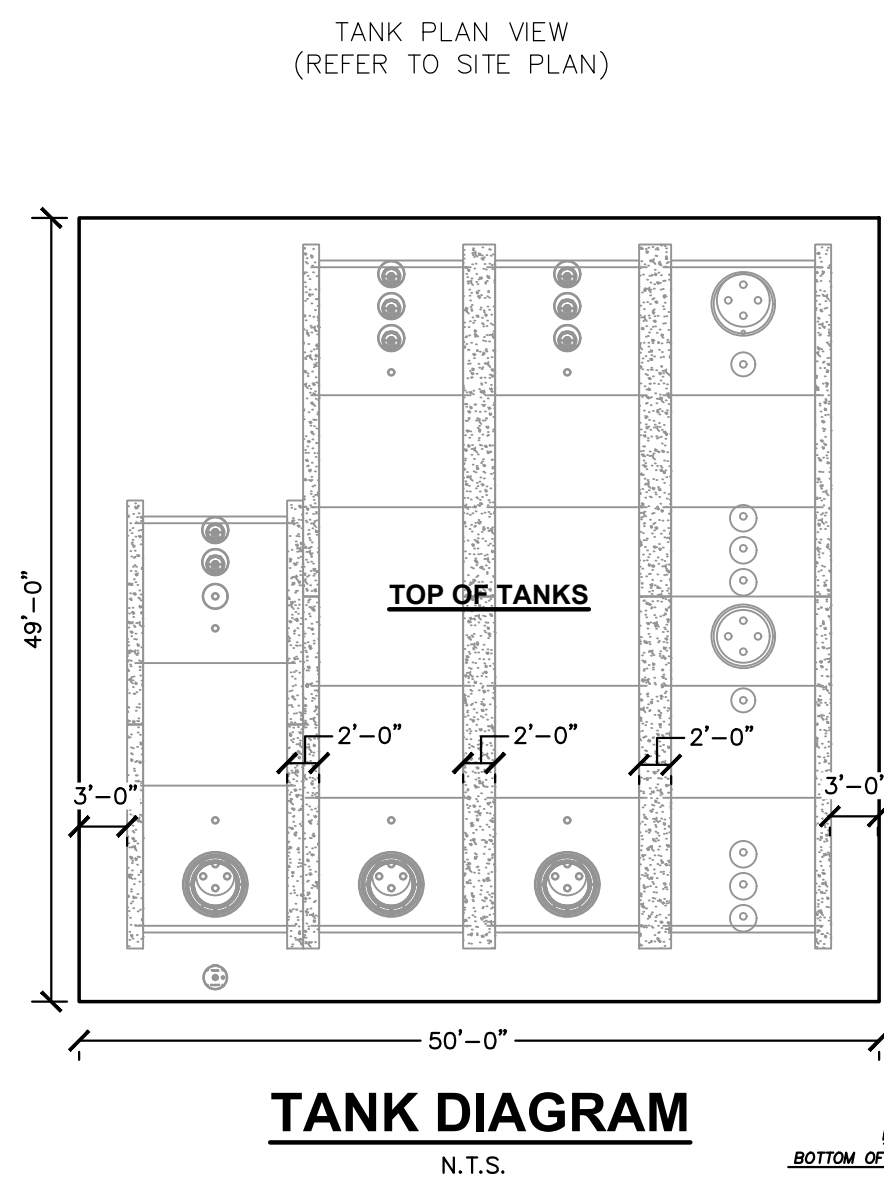
CLEANOUT

N.T.S.

Comm Table 82.35		
Dia. of Lateral	Min Dia. of Cleanout Riser	Min Dia. of Riser Cap.
1.5	1.5	1.5
2	1.5	1.5
3	3	2.5
4	4	3.5
5	5	4
6	6	5
8+	6	6

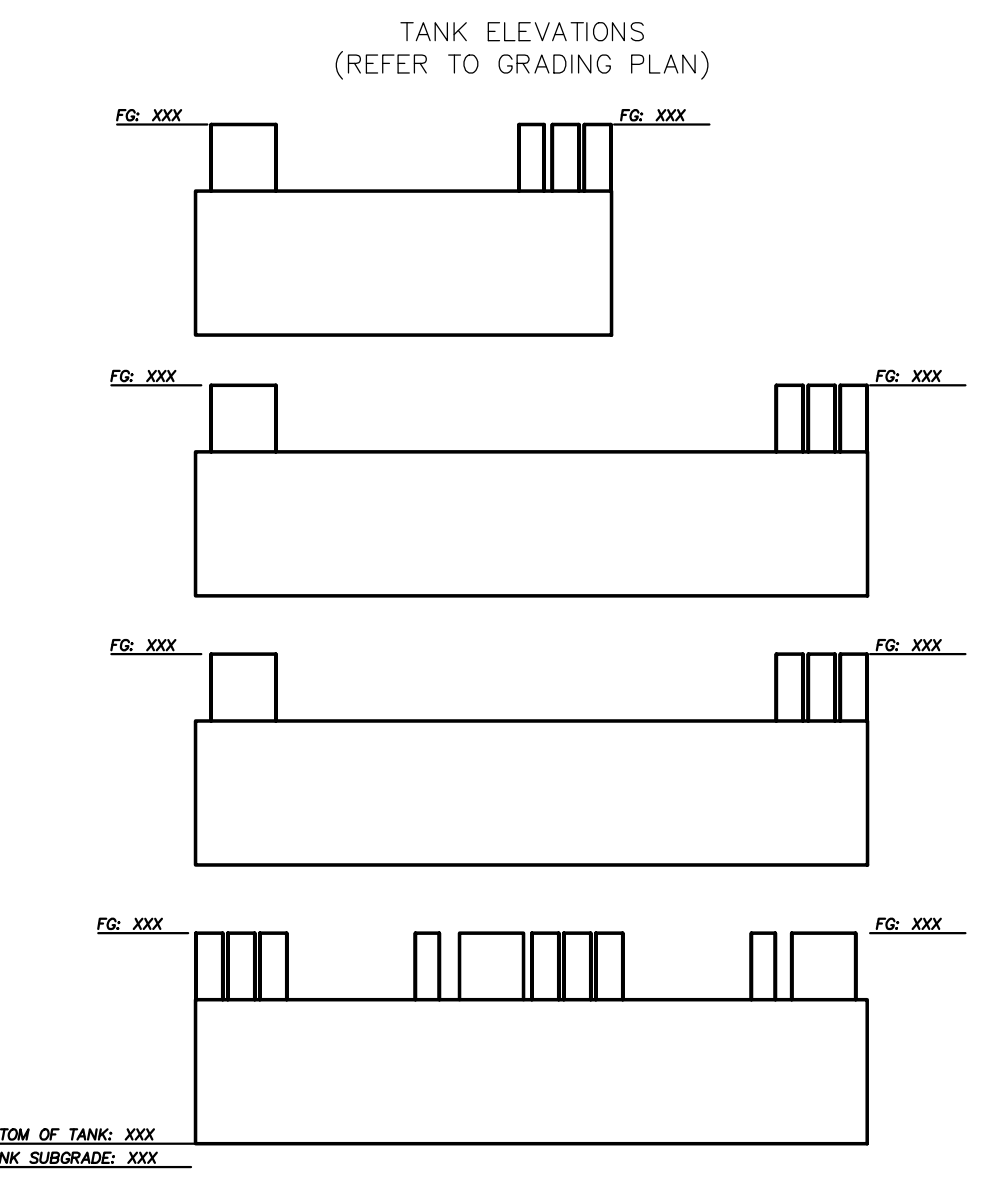
Neenah Grates
R-5900A 12-inch Pipe

REV. 12-6-2018



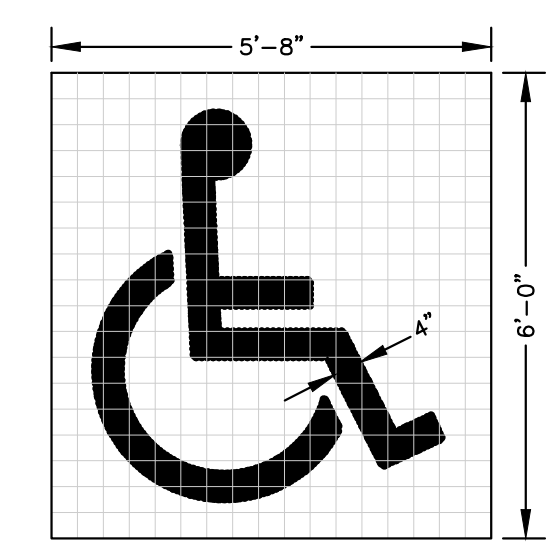
TANK DIAGRAM

N.T.S.



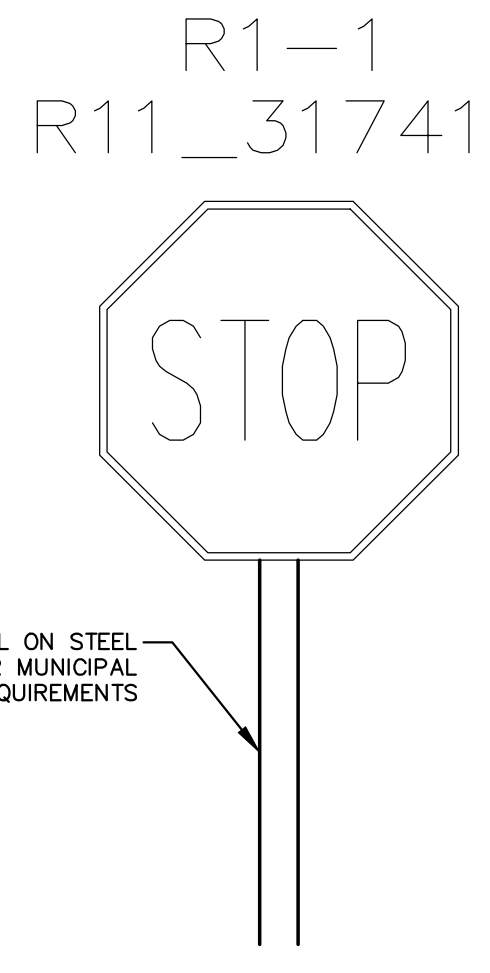
TANK ELEVATIONS

N.T.S.



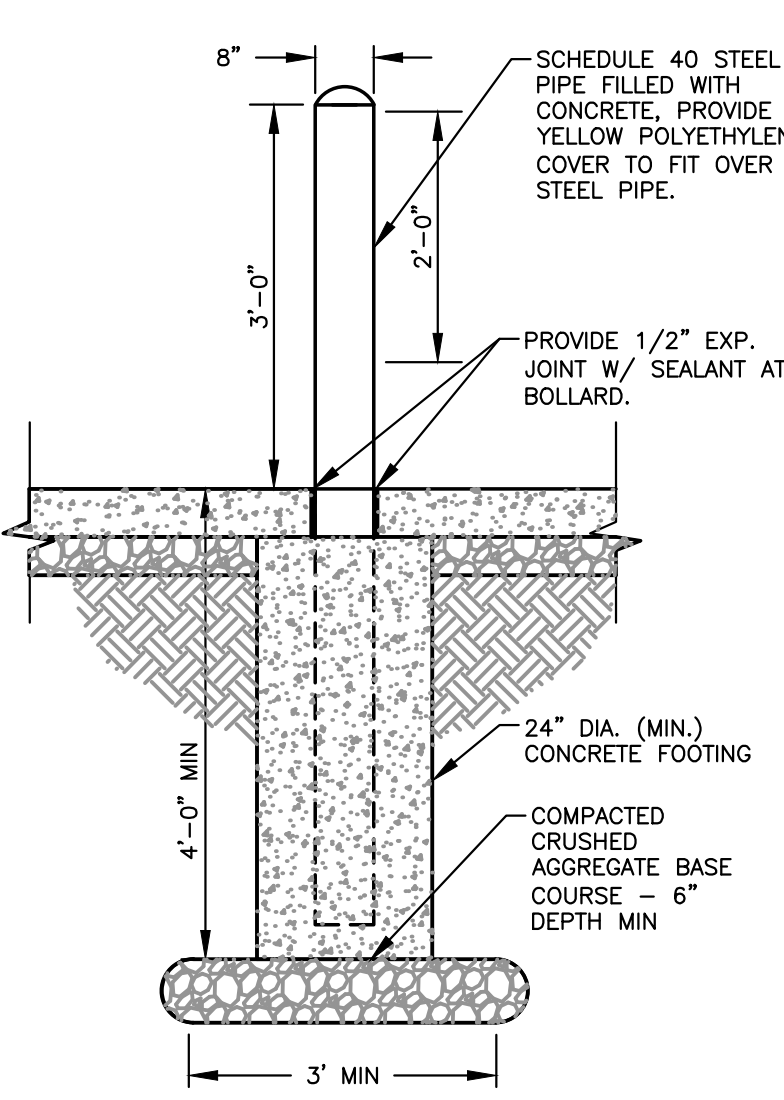
HANDICAP MARKING SYMBOL

N.T.S.



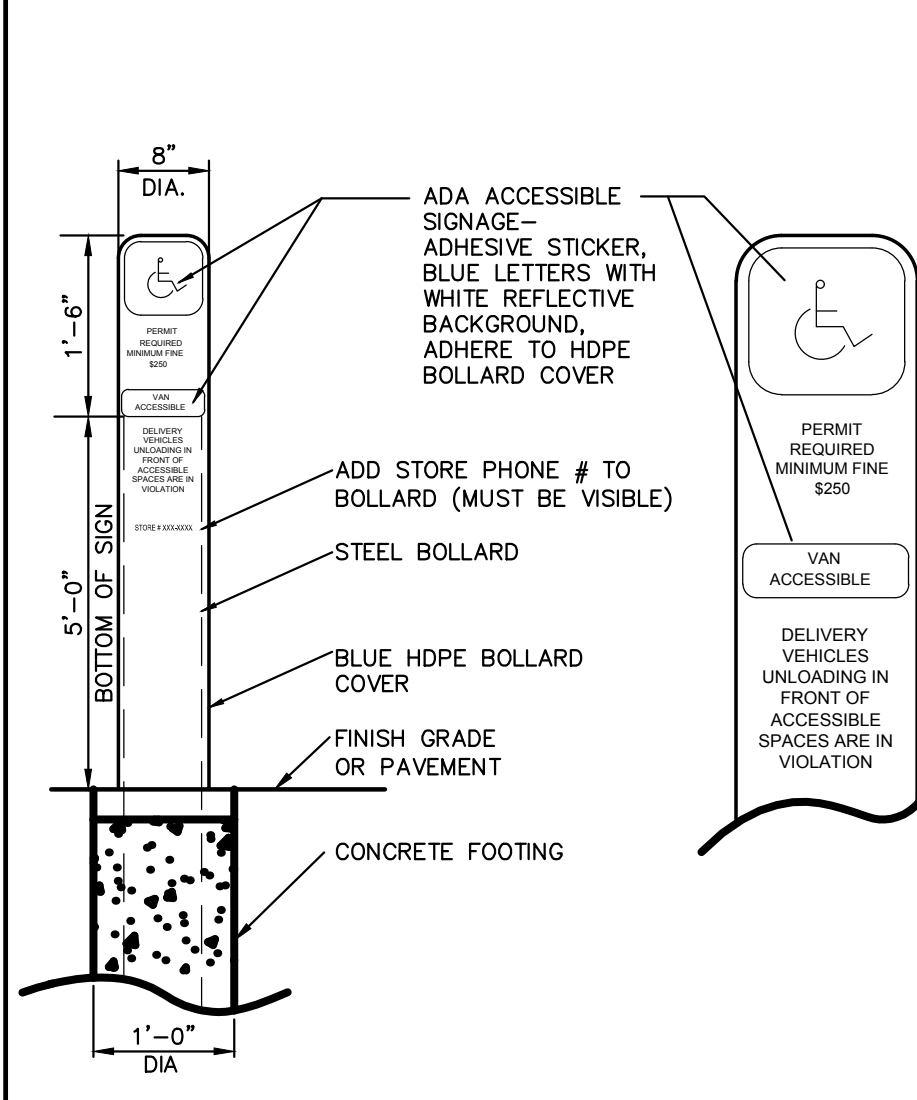
SIGN DETAILS

N.T.S.



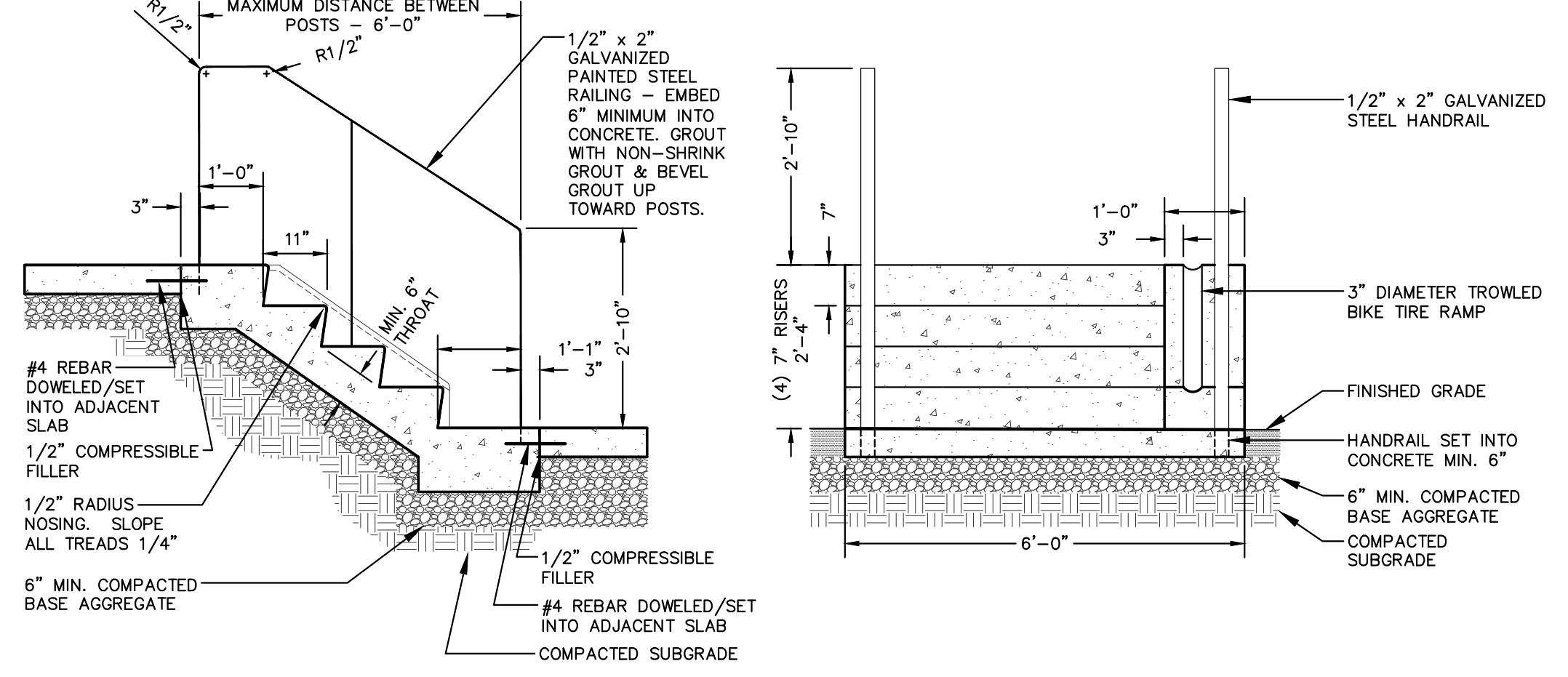
CONCRETE BOLLARD

N.T.S.



ADA BOLLARD SIGNAGE

N.T.S.



CONCRETE STEPS W/ BIKE CHANNEL AND RAILING

N.T.S.

REV. 06-20-2019



STORES



STORES

KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LA CROSSE, WI 54602-2107
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DRAFT

DETAILS
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY _____
SCALE _____
JSD PROJ. NO. 20-9726
DATE 11/17/2020
SHEET **SP4.2**

File: I:\2020\209726\DWG\Civil Sheets\209726 CON DOCS.dwg Layout: SP4.2 Details User: hysakg Plotted: Nov 17, 2020 - 1:22pm Xref's:

GENERAL NOTES

- 1. REFER TO THE EXISTING CONDITIONS ALTA/NSPS LAND TILE SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
5. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

CONSTRUCTION SEQUENCING

- 1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
2. DEMO EXISTING BUILDINGS AND PAVEMENTS. CLEAR AND GRUB ALL TREES AND SHRUBS WITHIN PROPERTY LIMITS.
3. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
4. ROUGH GRADE WET BASIN AND INSTALL BASIN OUTLET.
5. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED. DIRECT ALL RUNOFF TO PERIMETER CONTROLS.
6. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION IN ALL NEW INLETS.
7. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
8. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
9. RESTORE WET BASIN (FINAL GRADE BASIN PER PLAN REQUIREMENTS)
10. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.
CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

GRADING AND SEEDING NOTES

- 1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
4. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.
5. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
6. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
7. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
8. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
9. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
10. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND MUNICIPALITY ORDINANCE.

STORMWATER FACILITIES CONSTRUCTION NOTES

- 1. ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF STORMWATER MANAGEMENT FACILITIES. CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES SHALL BE OBSERVED AND DOCUMENTED BY THE ENGINEER, OR AN OWNER'S REPRESENTATIVE.
2. STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AFTER SUBSTANTIAL COMPLETION OF FINAL SITE GRADING AND SOILS HAVE BEEN STABILIZED.
3. AREAS USED FOR TEMPORARY SEDIMENT BASINS SHALL BE REMOVED IN THEIR ENTIRETY AFTER CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES AND STABILIZATION OF CONTRIBUTING SITE AREAS.

EROSION CONTROL NOTES

- 1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE MUNICIPALITY OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND MUNICIPALITY ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE, STONE CHECK DAMS, AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE MUNICIPALITY PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A MANNER WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEP AND/OR SCRAPPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE MUNICIPALITY.
9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS III, TYPE C EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.
17. STABILIZATION PRACTICES:
17.1. *STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
17.2. *THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
17.3. *CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
17.4. *STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
* PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
* TEMPORARY SEEDING; MAY CONSIST OF OATS (131LBS/ACRE) FOR SPRING AND SUMMER SEEDING AND/OR WINTER WHEAT OR CEREAL RYE (131LB/ACRE) FOR FALL SEEDING
* HYDRO-MULCHING WITH A TACKIFIER
* GEOTEXTILE EROSION MATTING
* SODDING

UTILITY NOTES

- 1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
* EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
* OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
* VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
* NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
* NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
* COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN - AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
4. SPECIFICATIONS SHALL COMPLY WITH THE MUNICIPALITY SPECIAL PROVISIONS.
5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
7. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.
8. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.
9. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
10. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
12. STORM SEWER SPECIFICATIONS -
PIPE - HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF ASHOTO DESIGNATION M-294 TYPE "S".
INLETS - INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE. NO. 28 OF THE "STANDARD SPECIFICATIONS", OR APPROVED EQUAL WITH A 1'-8" X 2'-6" MAXIMUM OPENING. CURB FRAME & GRATE SHALL BE NEENAH R-3067 WITH TYPE R GRATE, OR EQUAL.
BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".
MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1550 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.
FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.
13. WATER MAIN SPECIFICATIONS -
PIPE - DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.18.0 OF THE "STANDARD SPECIFICATIONS". POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH SPS 382.30(11)(h).
VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.27.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.
BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.4.3.2 OF THE "STANDARD SPECIFICATIONS".
BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".
WATER MAIN BENDS, FITTINGS, AND VALVES SHALL BE RESTRAINED OR THRUST BLOCKS PROVIDED.
14. SANITARY SEWER SPECIFICATIONS -
PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.
BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.4.3.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO PROVIDE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."
BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS."
MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE MUNICIPALITY.
MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.
15. WATERMAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).

PAVING NOTES

- 1. GENERAL
1.1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF VERONA ORDINANCES AND THE GEOTECHNICAL REPORT PREPARED BY GILES ENGINEERING ASSOCIATES, INC. DATED FEBRUARY 21, 2019.
1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
1.3. SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
1.4. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
2. CONCRETE PAVING SPECIFICATIONS
2.1. CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.
2.2. CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOVOMESH 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.
2.3. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
2.4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
2.5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.
2.6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
2.7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
3. PAVEMENT MARKING SPECIFICATIONS
3.1. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.
3.2. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
3.3. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.



KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960

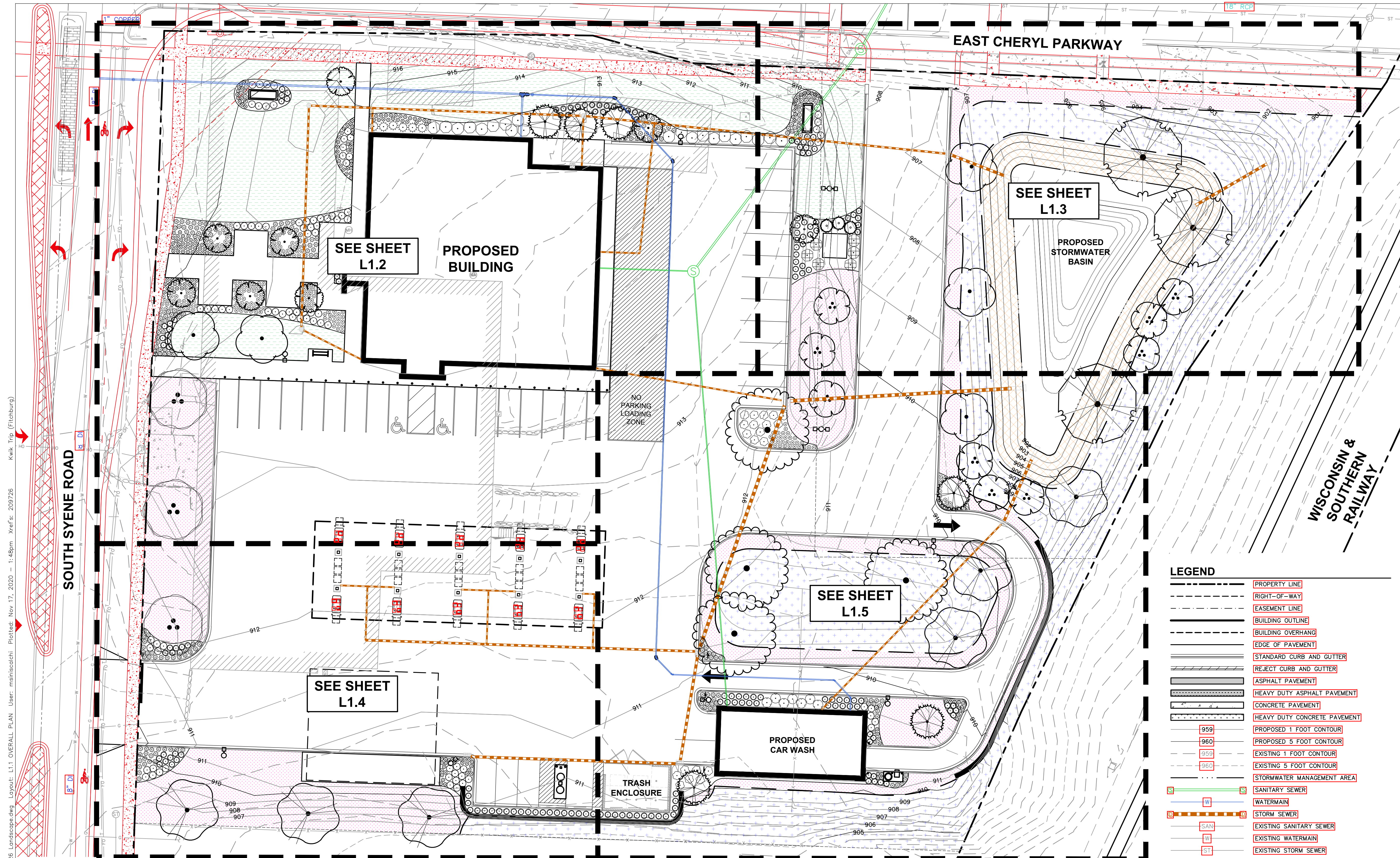


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Table with columns: NOTES, CONVENIENCE STORE #1166, SOUTH SYENE ROAD FITCHBURG, WI, #, DATE, DESCRIPTION, DRAWN BY, SCALE, JSD PROJ. NO., DATE, SHEET

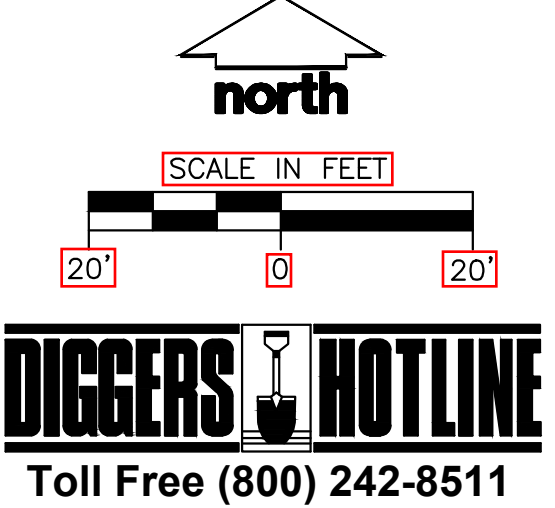


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File: I:\2020\209726\DWG\Landscape Sheets\209726 Landscape.dwg Layout: L1.1 OVERALL PLAN User: mainiscolchi Plotted: Nov 17, 2020 - 1:48pm Xref's: 209726 Kwik Trip (Fitchburg)

- GENERAL NOTES**
- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
 - ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
 - DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
 - THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR
 - REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN
 - CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT
 - DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE



LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	ASPHALT PAVEMENT
	HEAVY DUTY ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	STORMWATER MANAGEMENT AREA
	SANITARY SEWER
	WATERMAIN
	STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	EXISTING STORM SEWER
	RETAINING WALL
	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
	ADA PARKING SIGN
	BOLLARD
	BOLLARD WITH ADA PARKING SIGN
	BIKE RACK
	POLYETHYLENE EDGING
	SEEDING LIMITS
	SOD
	TURFGRASS SEED MIX
	PRAIRIE SEED MIX
	DETENTION BASIN SEED MIX

KWIK TRIP STORES

KWIK STAR STORES

KWIK TRIP, Inc.
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 LA CROSSE, WI 54602-2107
 PH. (608) 781-8988
 FAX (608) 781-8960

JSD MADISON MILWAUKEE WAUSAU APPLETON KENOSHA CHICAGO COEUR D'ALENE
 Professional Services, Inc.
 Engineers • Surveyors • Planners

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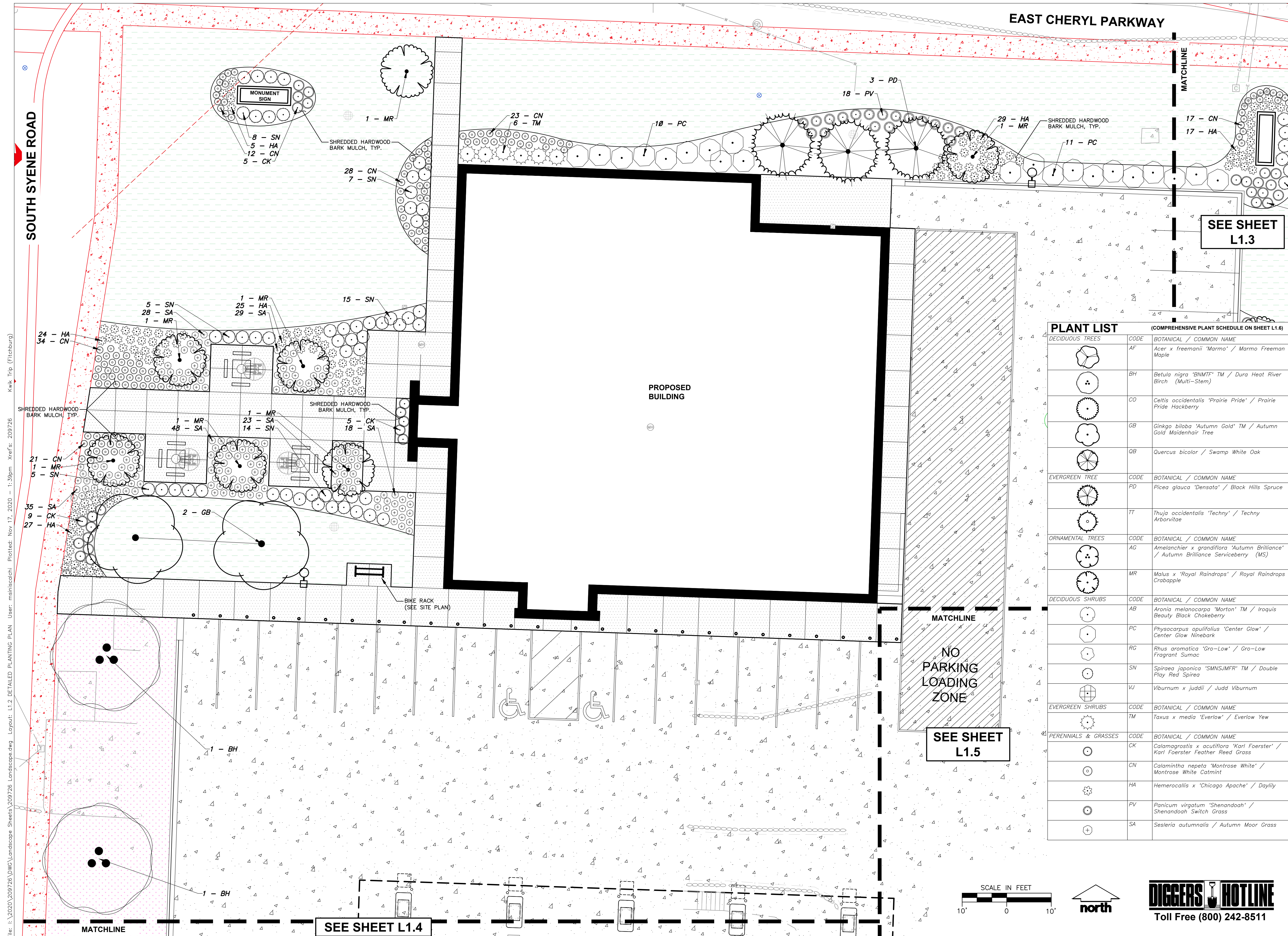
OVERALL LANDSCAPE PLAN

CONVENIENCE STORE #1166

SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY: MWS
 SCALE: REFER TO PLAN
 JSD PROJ. NO.: 20-9726
 DATE: 11/17/2020
 SHEET: L1.1



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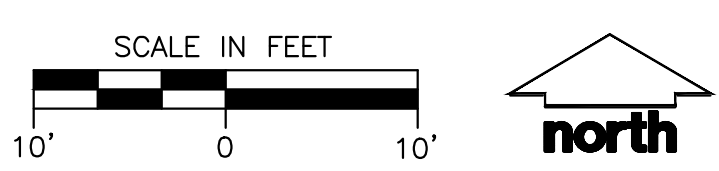
DETAILED LANDSCAPE PLAN
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITZBURG, WI

PLANT LIST (COMPREHENSIVE PLANT SCHEDULE ON SHEET L1.6)

DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME
	AF	<i>Acer x freemanii</i> 'Marmo' / Marmo Freeman Maple
	BH	<i>Betula nigra</i> 'BNMTF' TM / Dura Heat River Birch (Multi-Stem)
	CO	<i>Celtis occidentalis</i> 'Prairie Pride' / Prairie Pride Hackberry
	GB	<i>Ginkgo biloba</i> 'Autumn Gold' TM / Autumn Gold Maidenhair Tree
	QB	<i>Quercus bicolor</i> / Swamp White Oak
EVERGREEN TREE	CODE	BOTANICAL / COMMON NAME
	PD	<i>Picea glauca</i> 'Densata' / Black Hills Spruce
	TT	<i>Thuja occidentalis</i> 'Techny' / Techny Arborvitae
ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME
	AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance' / Autumn Brilliance Serviceberry (MS)
	MR	<i>Malus x 'Royal Raindrops'</i> / Royal Raindrops Crabapple
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME
	AB	<i>Aronia melanocarpa</i> 'Morton' TM / Iroquois Beauty Black Chokeberry
	PC	<i>Physocarpus opulifolius</i> 'Center Glow' / Center Glow Ninebark
	RG	<i>Rhus aromatica</i> 'Gro-Low' / Gro-Low Fragrant Sumac
	SN	<i>Spiraea japonica</i> 'SMNSJMFR' TM / Double Play Red Spirea
	VJ	<i>Viburnum x juddii</i> / Judd Viburnum
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME
	TM	<i>Taxus x media</i> 'Everlow' / Everlow Yew
PERENNIALS & GRASSES	CODE	BOTANICAL / COMMON NAME
	CK	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' / Karl Foerster Feather Reed Grass
	CN	<i>Calamintha nepeta</i> 'Montrose White' / Montrose White Catmint
	HA	<i>Hemerocallis x 'Chicago Apache'</i> / Daylily
	PV	<i>Panicum virgatum</i> 'Shenandoah' / Shenandoah Switch Grass
	SA	<i>Sesleria autumnalis</i> / Autumn Moor Grass

NO PARKING LOADING ZONE
SEE SHEET L1.5

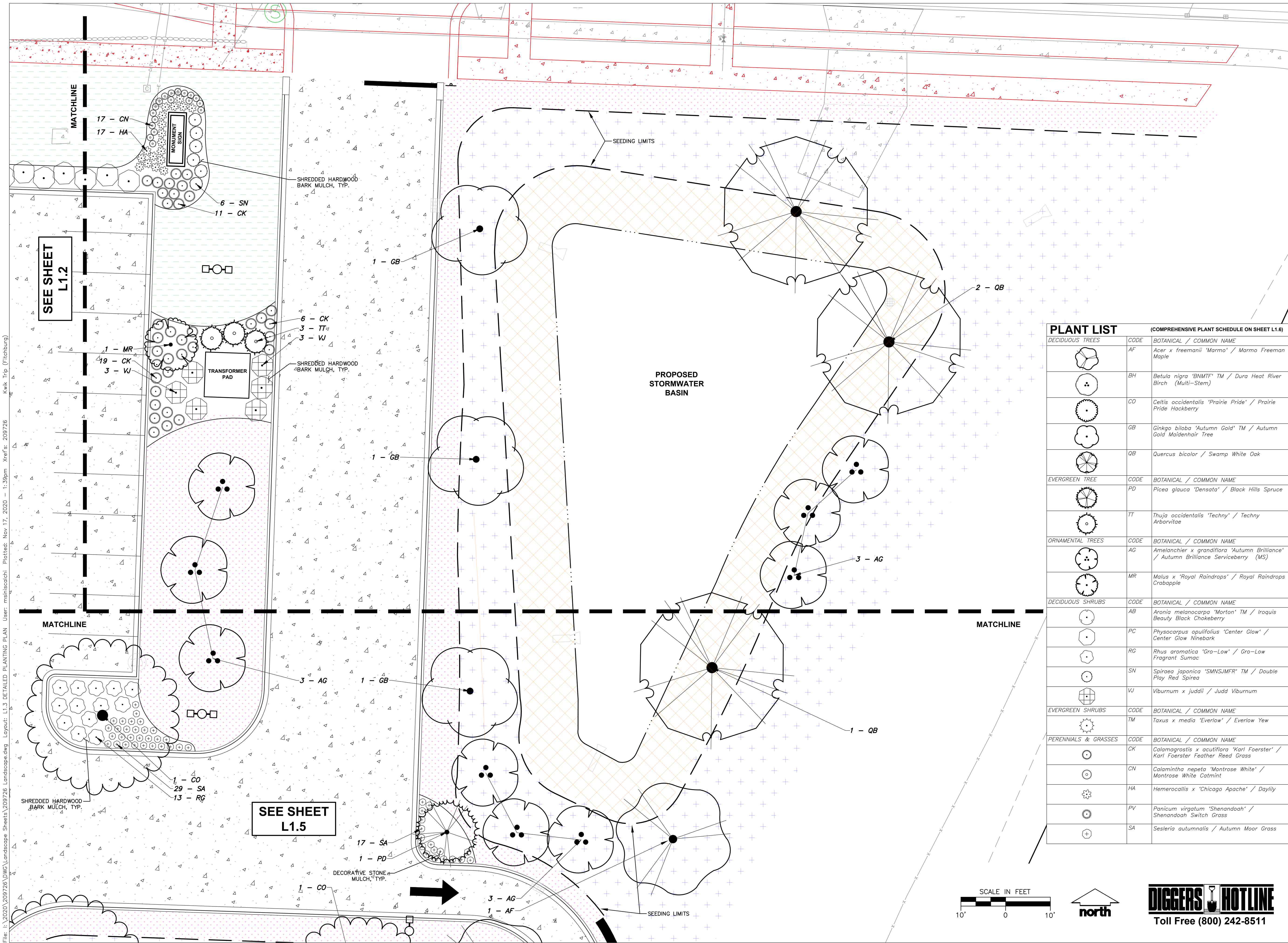
SEE SHEET L1.4



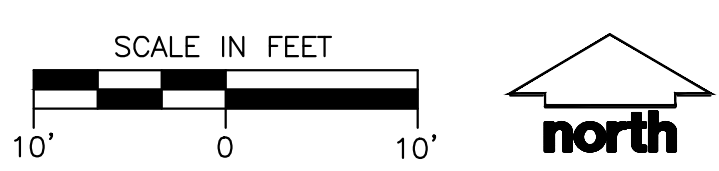
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 Kwik Trip (Fitchburg)

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY	MWS
SCALE	REFER TO PLAN
JSD PROJ. NO.	20-9726
DATE	11/17/2020
SHEET	L1.2



PLANT LIST		COMPREHENSIVE PLANT SCHEDULE ON SHEET L1.6	
DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME	
	AF	<i>Acer x freemanii</i> 'Marmo' / Marmo Freeman Maple	
	BH	<i>Betula nigra</i> 'BNMTF' TM / Dura Heat River Birch (Multi-Stem)	
	CO	<i>Celtis occidentalis</i> 'Prairie Pride' / Prairie Pride Hackberry	
	GB	<i>Ginkgo biloba</i> 'Autumn Gold' TM / Autumn Gold Maidenhair Tree	
	QB	<i>Quercus bicolor</i> / Swamp White Oak	
EVERGREEN TREE	CODE	BOTANICAL / COMMON NAME	
	PD	<i>Picea glauca</i> 'Densata' / Black Hills Spruce	
	TT	<i>Thuja occidentalis</i> 'Techny' / Techny Arborvitae	
ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME	
	AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance' / Autumn Brilliance Serviceberry (MS)	
	MR	<i>Malus x 'Royal Raindrops'</i> / Royal Raindrops Crabapple	
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME	
	AB	<i>Aronia melanocarpa</i> 'Morton' TM / Iroquois Beauty Black Chokeberry	
	PC	<i>Physocarpus opulifolius</i> 'Center Glow' / Center Glow Ninebark	
	RG	<i>Rhus aromatica</i> 'Gro-Low' / Gro-Low Fragrant Sumac	
	SN	<i>Spiraea japonica</i> 'SMNSJMFR' TM / Double Play Red Spirea	
	VJ	<i>Viburnum x juddii</i> / Judd Viburnum	
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME	
	TM	<i>Taxus x media</i> 'Everlow' / Everlow Yew	
PERENNIALS & GRASSES	CODE	BOTANICAL / COMMON NAME	
	CK	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' / Karl Foerster Feather Reed Grass	
	CN	<i>Calamintha nepeta</i> 'Montrose White' / Montrose White Catmint	
	HA	<i>Hemerocallis x 'Chicago Apache'</i> / Daylily	
	PV	<i>Panicum virgatum</i> 'Shenandoah' / Shenandoah Switch Grass	
	SA	<i>Sesleria autumnalis</i> / Autumn Moor Grass	



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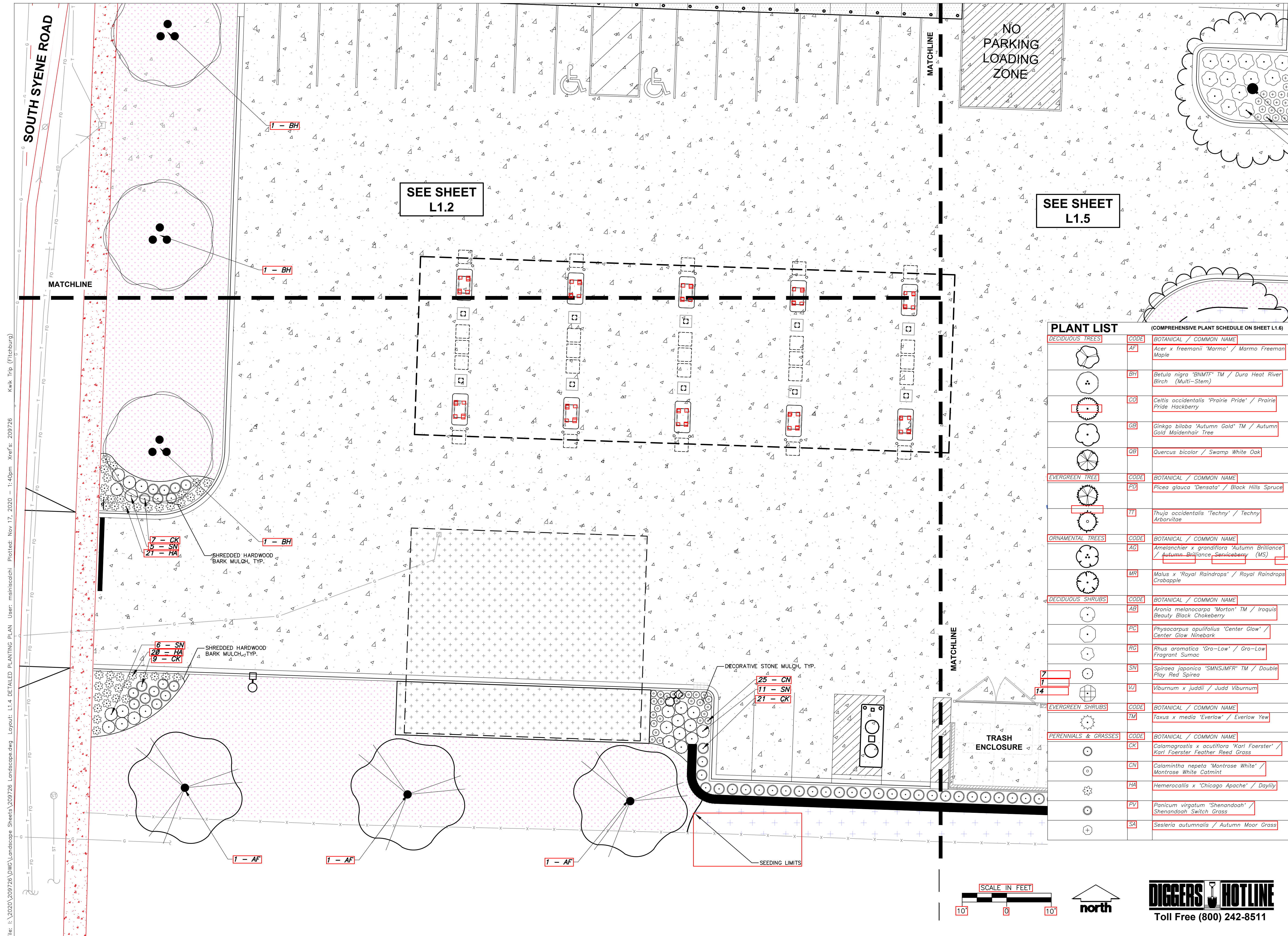
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DETAILED LANDSCAPE PLAN
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITZBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY: MWS
SCALE: REFER TO PLAN
JSD PROJ. NO.: 20-9726
DATE: 11/17/2020
SHEET: L1.3

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PLANT LIST (COMPREHENSIVE PLANT SCHEDULE ON SHEET L1.6)

DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME
	AF	<i>Acer x freemanii</i> 'Marmo' / Marmo Freeman Maple
	BH	<i>Betula nigra</i> 'BNMTF' TM / Dura Heat River Birch (Multi-Stem)
	CO	<i>Celtis occidentalis</i> 'Prairie Pride' / Prairie Pride Hackberry
	GB	<i>Ginkgo biloba</i> 'Autumn Gold' TM / Autumn Gold Maidenhair Tree
	QB	<i>Quercus bicolor</i> / Swamp White Oak
EVERGREEN TREE	CODE	BOTANICAL / COMMON NAME
	PD	<i>Picea glauca</i> 'Densata' / Black Hills Spruce
	TT	<i>Thuja occidentalis</i> 'Techny' / Techny Arborvitae
ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME
	AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance' / Autumn Brilliance Serviceberry (MS)
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DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME
	AB	<i>Aronia melanocarpa</i> 'Morton' TM / Iroquois Beauty Black Chokeberry
	PC	<i>Physocarpus opulifolius</i> 'Center Glow' / Center Glow Ninebark
	RG	<i>Rhus aromatica</i> 'Gro-Low' / Gro-Low Fragrant Sumac
	SN	<i>Spiraea japonica</i> 'SMNSJMF' TM / Double Play Red Spirea
	VJ	<i>Viburnum x juddii</i> / Judd Viburnum
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME
	TM	<i>Taxus x media</i> 'Everlow' / Everlow Yew
PERENNIALS & GRASSES	CODE	BOTANICAL / COMMON NAME
	CK	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' / Karl Foerster Feather Reed Grass
	CN	<i>Calamintha nepeta</i> 'Montrose White' / Montrose White Catmint
	HA	<i>Hemerocallis x 'Chicago Apache'</i> / Daylily
	PV	<i>Panicum virgatum</i> 'Shenandoah' / Shenandoah Switch Grass
	SA	<i>Sesleria autumnalis</i> / Autumn Moor Grass

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DETAILED LANDSCAPE PLAN

CONVENIENCE STORE #1166

SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY: MWS

SCALE: REFER TO PLAN

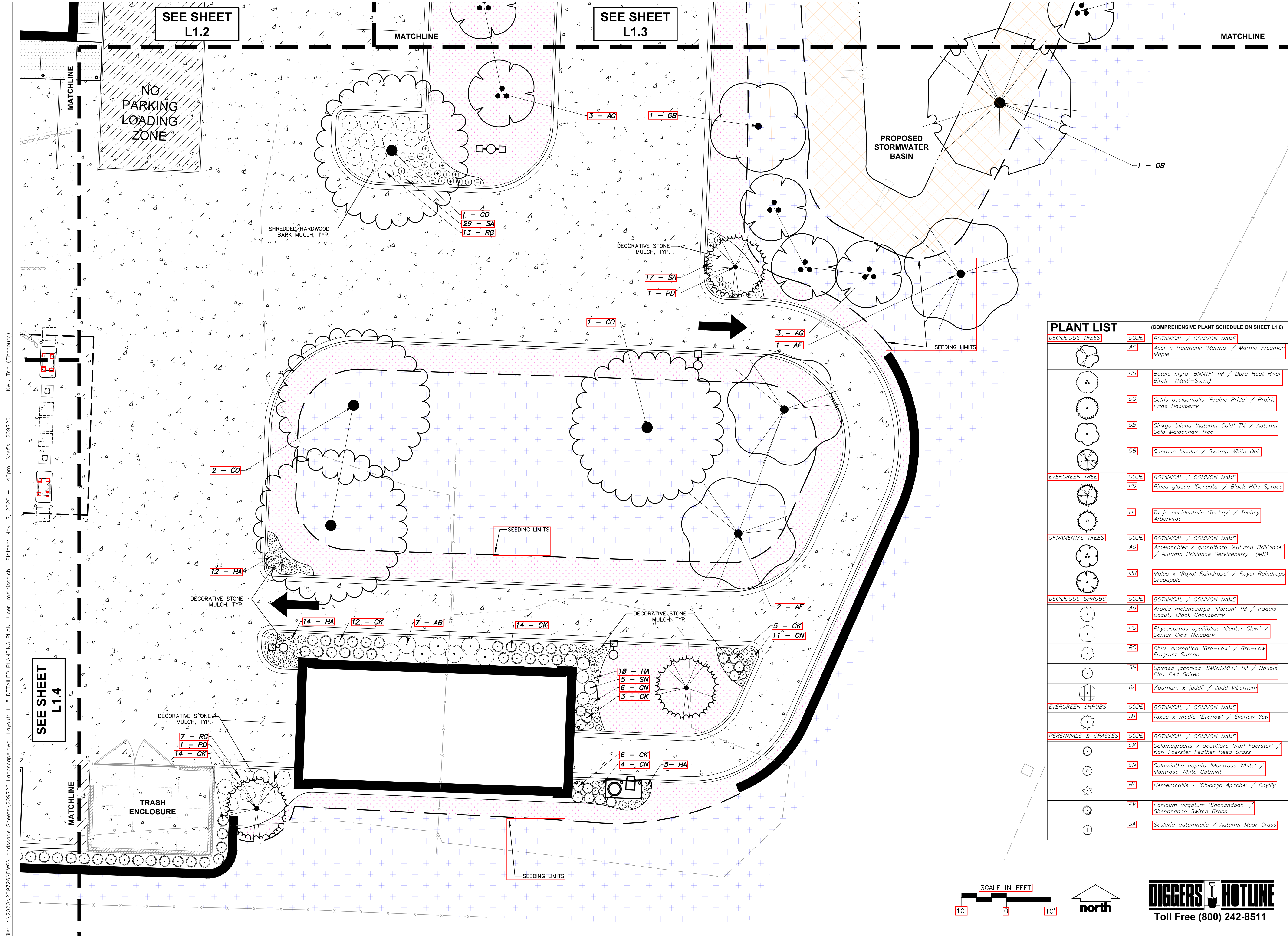
JSD PROJ. NO.: 20-9726

DATE: 11/17/2020

SHEET: L1.4

Toll Free (800) 242-8511

File: I:\2020\209726\DWG\Landscape Sheets\209726 Landscape.dwg Layout: L1.4 DETAILED PLANTING PLAN User: mainiscaldi Plotted: Nov 17, 2020 1:40pm Xref's: 209726 Kwik Trip (Fitchburg)



SEE SHEET L1.2

SEE SHEET L1.3

NO PARKING
LOADING
ZONE

PROPOSED
STORMWATER
BASIN

TRASH
ENCLOSURE

PLANT LIST		COMPREHENSIVE PLANT SCHEDULE ON SHEET L1.6	
CODE	BOTANICAL / COMMON NAME	CODE	BOTANICAL / COMMON NAME
DECIDUOUS TREES			
AF	<i>Acer x freemanii</i> 'Marmo' / Marmo Freeman Maple	CO	<i>Celtis occidentalis</i> 'Prairie Pride' / Prairie Pride Hackberry
BI	<i>Betula nigra</i> 'BNMIF' TM / Dura Heat River Birch (Multi-Stem)	GB	<i>Ginkgo biloba</i> 'Autumn Gold' TM / Autumn Gold Maidenhair Tree
QB	<i>Quercus bicolor</i> / Swamp White Oak	EVERGREEN TREE	
PD	<i>Picea glauca</i> 'Densata' / Black Hills Spruce	TI	<i>Thuja occidentalis</i> 'Techny' / Techny Arborvitae
ORNAMENTAL TREES			
AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance' / Autumn Brilliance Serviceberry (MS)	MR	<i>Malus x 'Royal Raindrops'</i> / Royal Raindrops Crabapple
DECIDUOUS SHRUBS			
AB	<i>Aronia melanocarpa</i> 'Morton' TM / Iroquois Beauty Black Chokeberry	PC	<i>Physocarpus opulifolius</i> 'Center Glow' / Center Glow Ninebark
RG	<i>Rhus aromatica</i> 'Gro-Low' / Gro-Low Fragrant Sumac	SN	<i>Spiraea japonica</i> 'SMNSJMFR' TM / Double Play Red Spirea
VJ	<i>Viburnum x juddii</i> / Judd Viburnum	EVERGREEN SHRUBS	
TM	<i>Taxus x media</i> 'Everlow' / Everlow Yew	PERENNIALS & GRASSES	
CK	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' / Karl Foerster Feather Reed Grass	CN	<i>Calamintha nepeta</i> 'Montrose White' / Montrose White Catmint
HA	<i>Hemerocallis x 'Chicago Apache'</i> / Daylily	PV	<i>Panicum virgatum</i> 'Shenandoah' / Shenandoah Switch Grass
SA	<i>Sesleria autumnalis</i> / Autumn Moor Grass		



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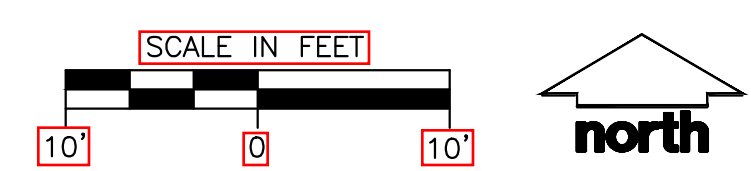


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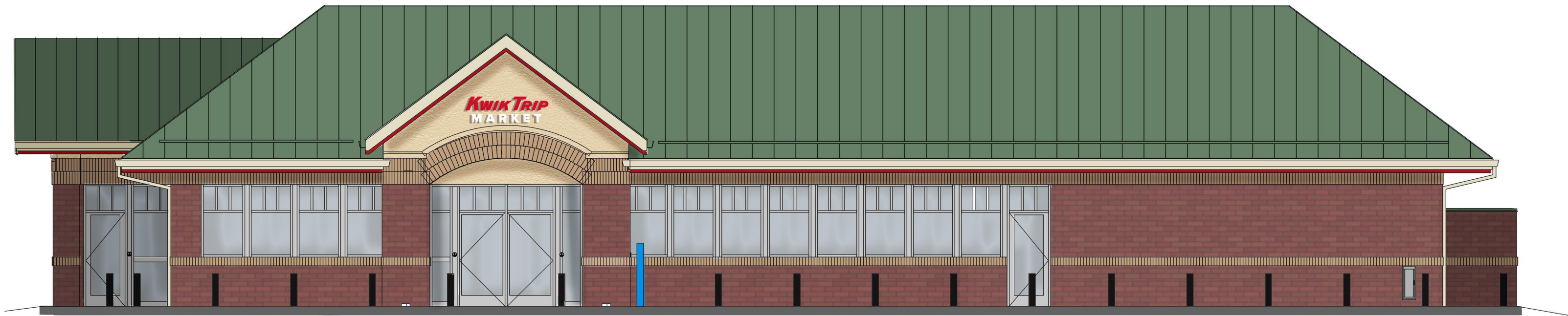
DETAILED LANDSCAPE PLAN
CONVENIENCE STORE #1166
SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION
1	11/17/20	MUNICIPAL SUBMITTAL

DRAWN BY: MWS
SCALE: REFER TO PLAN
JSD PROJ. NO.: 20-9726
DATE: 11/17/2020
SHEET: L1.5



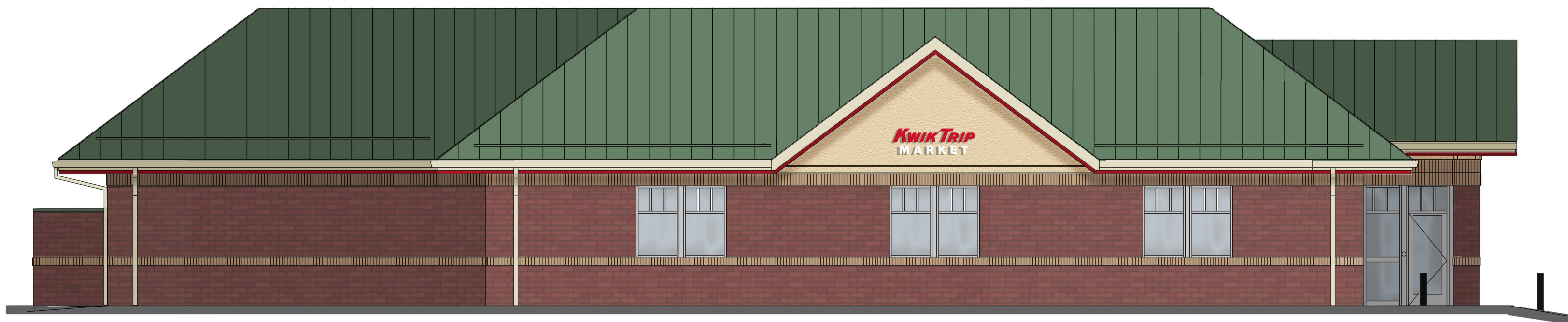
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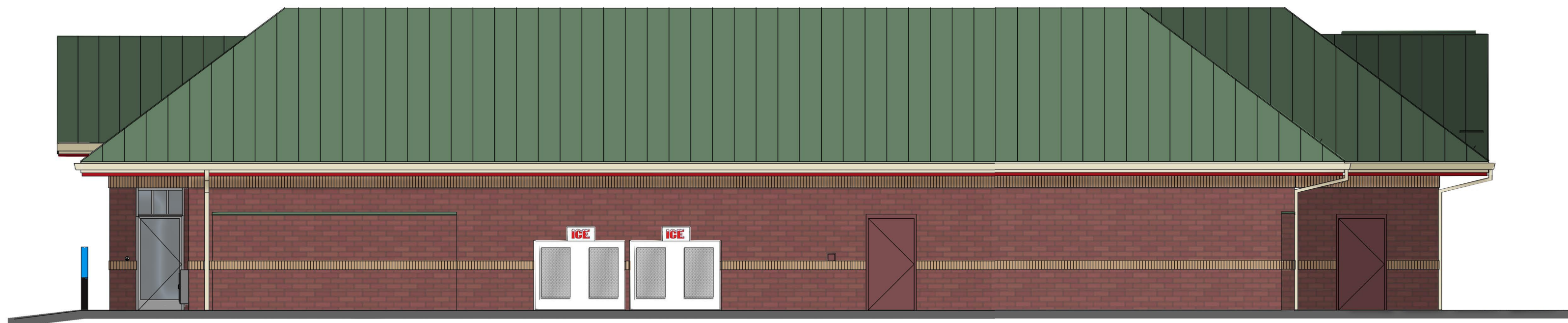
1 FRONT ELEVATION



2 LEFT ELEVATION



3 REAR ELEVATION

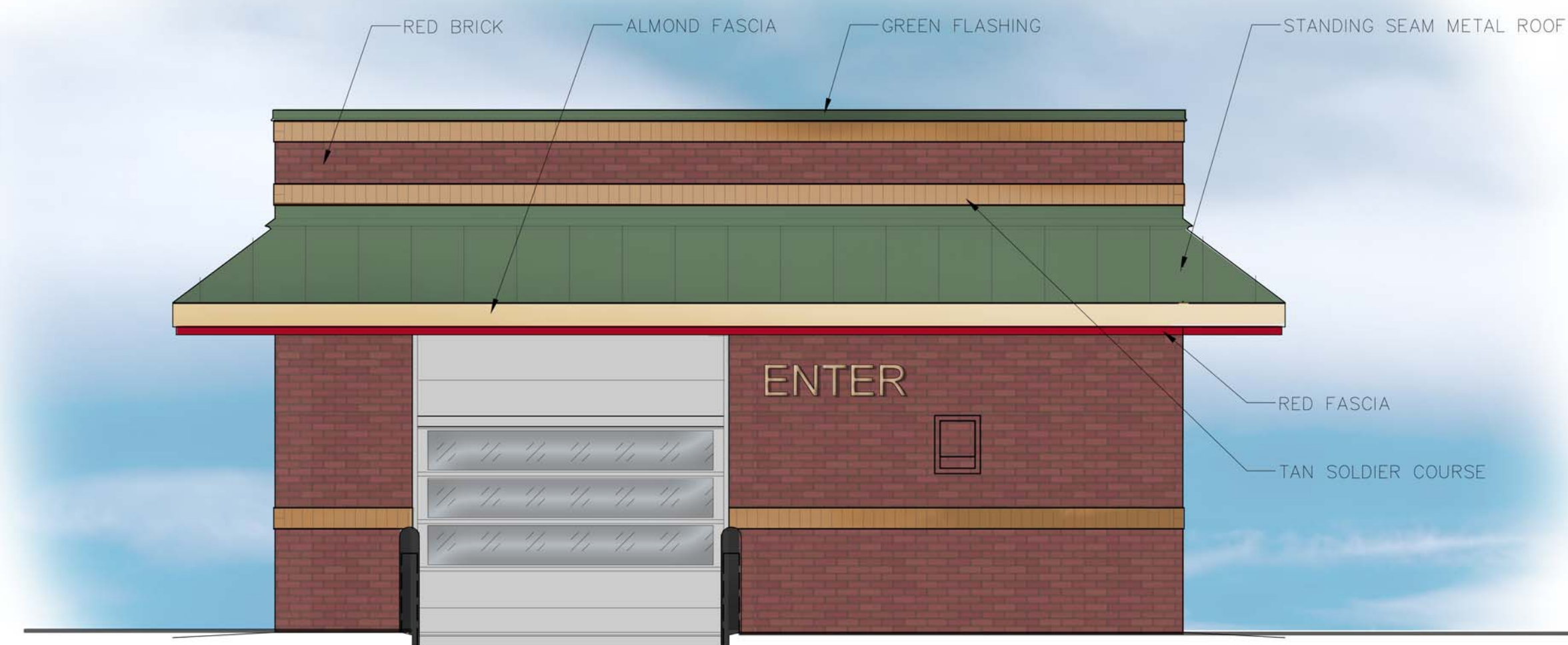


4 RIGHT ELEVATION



**Kwik
STAR**

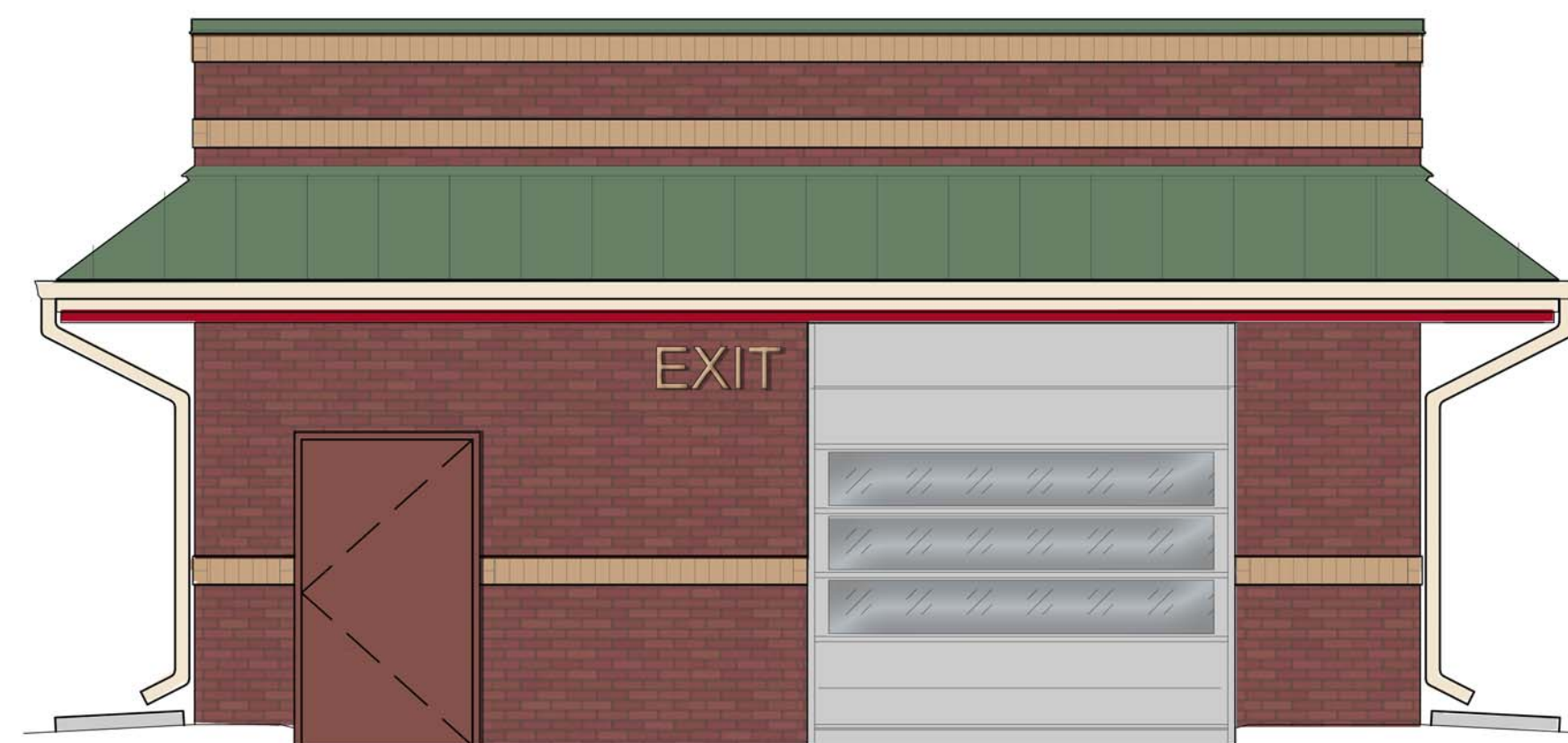
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LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960



1 FRONT ELEVATION
1/4" = 1'-0"



2 LEFT ELEVATION
1/4" = 1'-0"



3 REAR ELEVATION
1/4" = 1'-0"



4 RIGHT ELEVATION
1/4" = 1'-0"

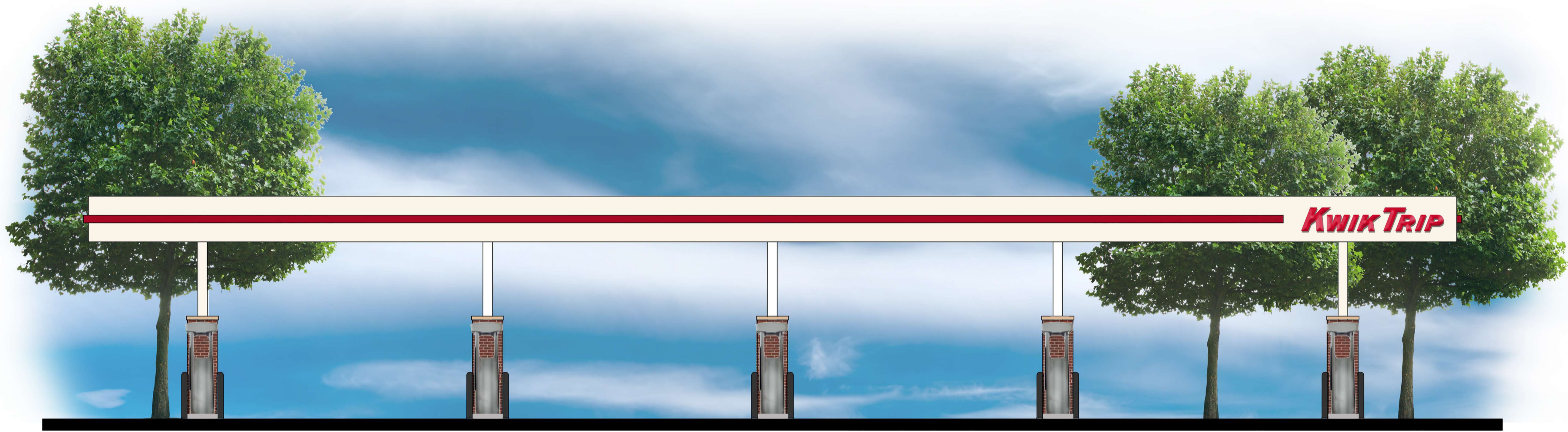
VANTAGE
ARCHITECTS INC

750 N. Third Street
La Crosse, WI 54601
Ph (608) 784-2729
Fax (608) 784-2826

**KWIK
TRIP**

**KWIK
STAR**

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P.O. BOX 2107
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LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960



1 FRONT ELEVATION

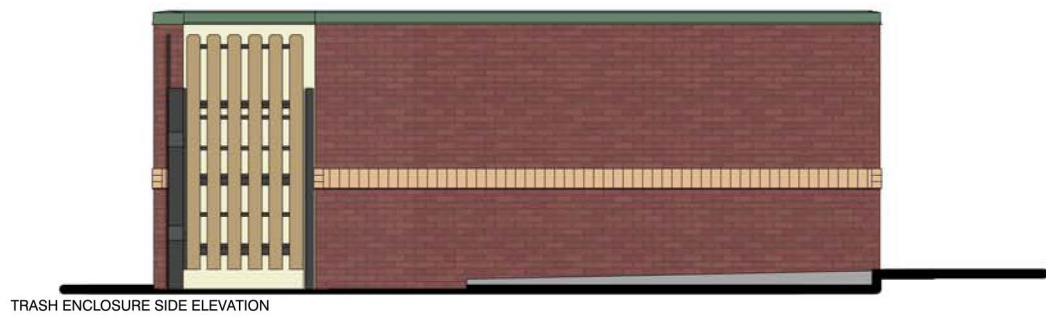
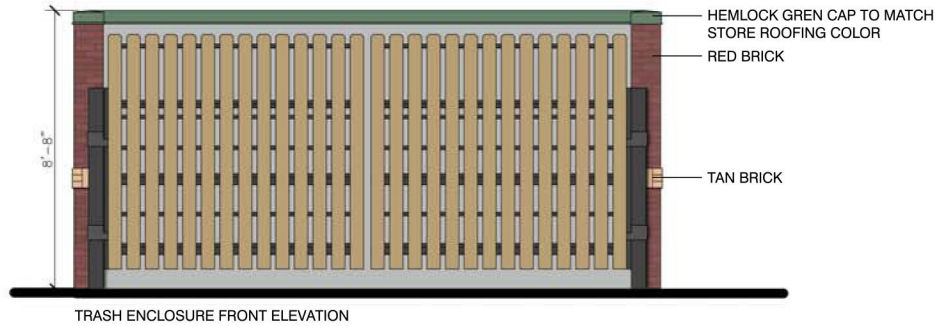


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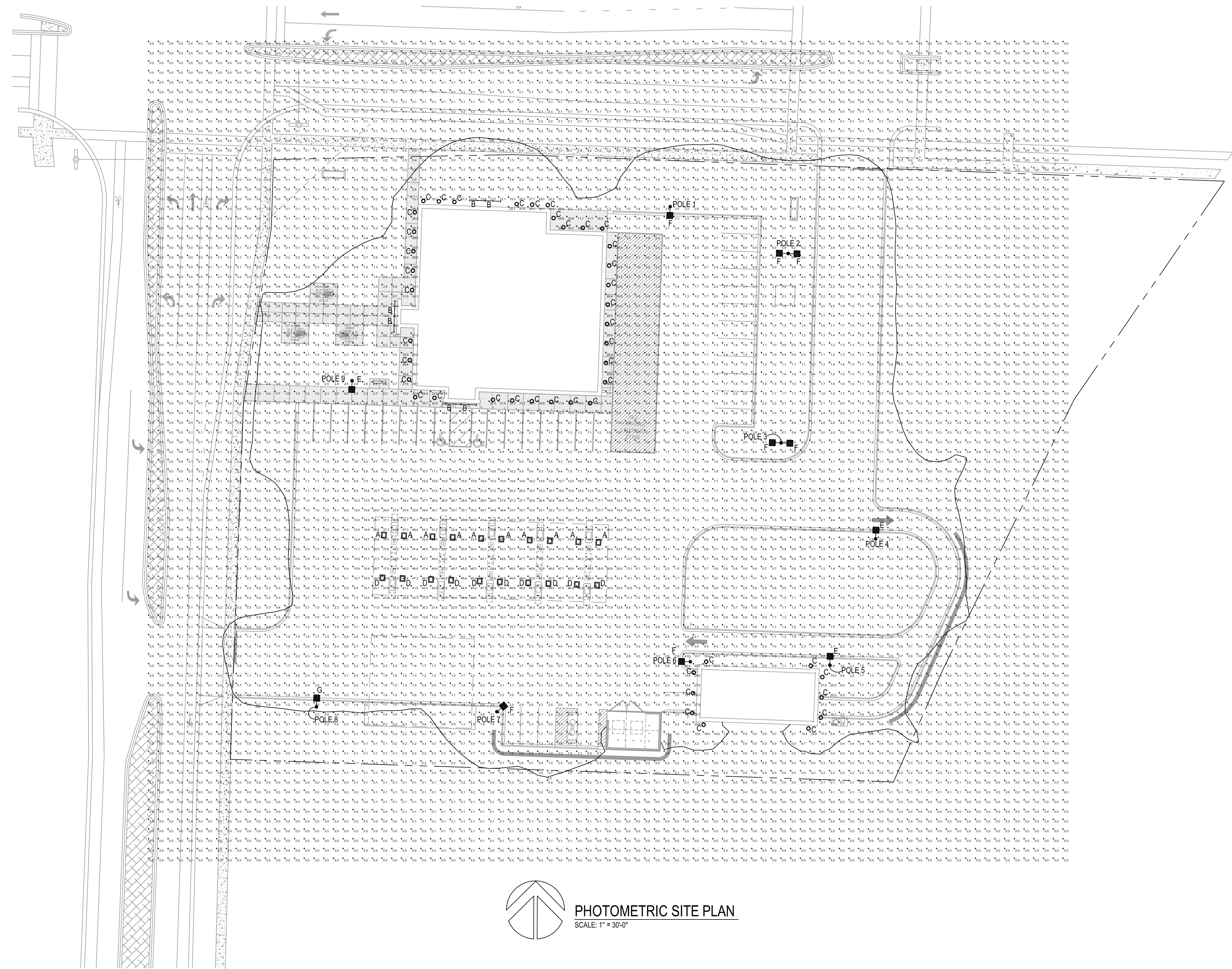
10 MPD
 9' BRICK



2 SIDE ELEVATION



TRASH ENCLOSURE
WITH SIDE STORAGE



PHOTOMETRIC SITE PLAN
SCALE: 1" = 30'-0"

NOTE:
FOOTCANDLE LEVELS SHOWN ON THIS PLAN
ARE CALCULATED AT GRADE LEVEL.

CALCULATION STATISTICS

AVERAGE: 3.2
MAXIMUM: 57.3
MINIMUM: 0.0

FIXTURE QUANTITIES

- A - 10
- B - 6
- C - 44
- D - 10
- E - 3
- F - 7
- G - 1

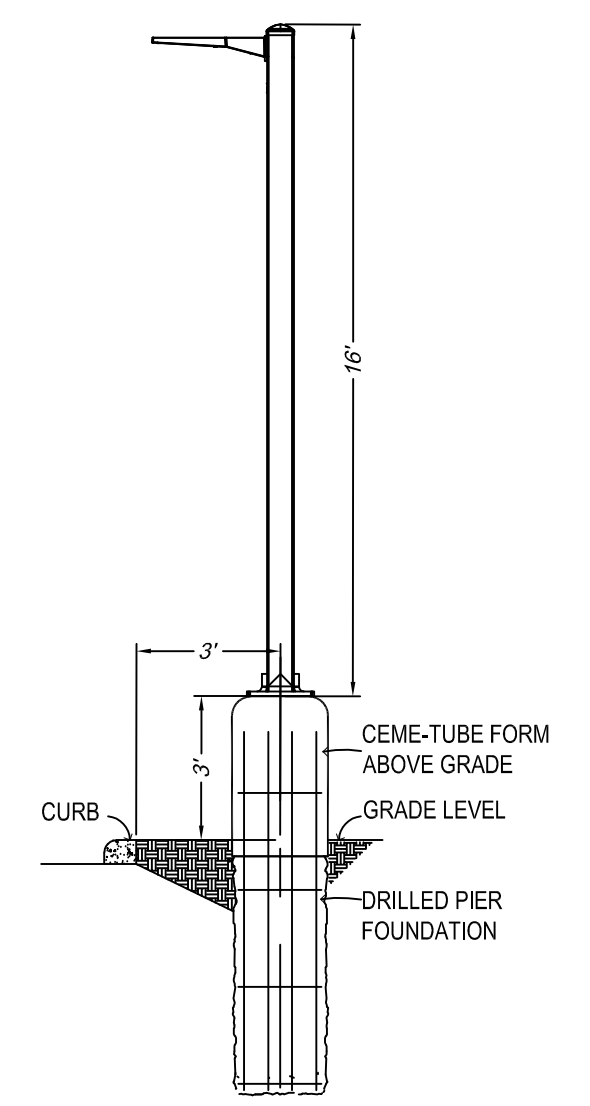
PROVIDE (8) 16' POLES.

FIXTURE SYMBOLS:

- A & D LED LIGHT MOUNTED UNDER FUEL CANOPY
- B LED STRIP LIGHT MOUNTED IN GABLE
- C RECESSED LED DOWNLIGHT
- E, F & G POLE MOUNTED LED FIXTURE

FIXTURE TYPES:

- A - LSI LIGHTING: SCV-LED-23L-SCFT-UNV-DIM-50-WHT MOUNTED UNDER GAS CANOPY MOUNT FIXTURES WITH FORWARD THROW OPTIC AIMING AT STORE FRONT.
- B - LED STRIP LIGHT MOUNTED IN GABLE LITHONIA -TZL1N-L96-1000UMFST-4MVOLT
- C - RECESSED LED DOWNLIGHT GOTHAM EVO-3530-8AR-WD-120-TRW
- D - LSI LIGHTING: SCV-LED-15L-SC-UNV-DIM-50-WHT MOUNTED UNDER GAS CANOPY
- E - LSI LIGHTING: SLM-LED-9L-SIL-SW-UNV-50-70CRI-WHT
- F - LSI LIGHTING: SLM-LED-9L-SIL-FT-UNV-50-70CRI-WHT
- G - LSI LIGHTING: SLM-LED-9L-SIL-FT-UNV-50-70CRI-WHT-IL



LOT LIGHT ELEVATION DETAIL
NOT TO SCALE

2020-0195.61
GRAEF
275 West Wisconsin Avenue, Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax



KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960

PHOTOMETRIC SITE PLAN
CONVENIENCE STORE 1166
SOUTH SYENE ROAD
FITCHBURG, WI

#	DATE	DESCRIPTION

DRAWN BY	AMM
SCALE	GRAPHIC
PROJ. NO.	20-9726
DATE	11/13/20
SHEET	E1

Catalog # :

Project :

Prepared By :

Date :



Slice Medium - SLM Outdoor LED Area Light

The Slice's sleek design makes it perfectly-suited for Commercial & Industrial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Slice offers high performance silicone optics, die cast aluminum housing, 42,000+ lumens and is available with integral Airlink Synapse controls.

Features & Specifications

Optical System

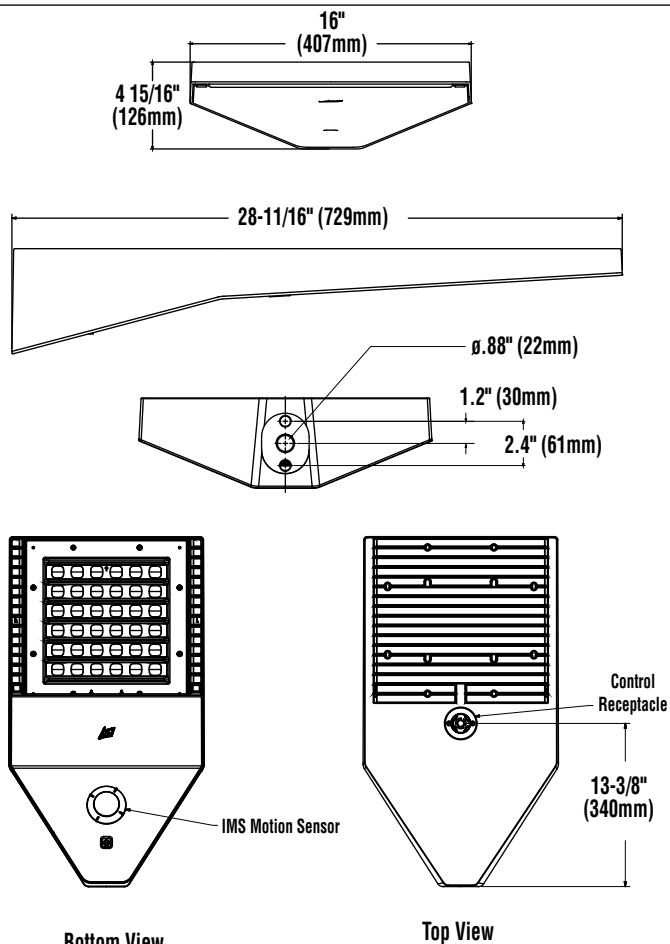
- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Also available in Phosphor Converted Amber, consult factory for availability.
- Minimum CRI of 70. Optional 80 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance. See page 5 for more details.

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Terminal block provided accepts up to 10ga wire.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.



Product Dimensions





Slice Medium - SLM Outdoor LED Area Light

Features & Specifications (Cont.)

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square poles.
- Luminaire is proudly manufactured in the U.S. of U.S. and imported parts.
- IP66 rated luminaire protects integral components from harsh environments.
- 3G rated for ANSI C136.31 high vibration applications
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Controls

Wireless Controls System

To make this fixture AirLink ready, simply order one of the following options:

- The integrated [Wireless Lighting Controller](#): ALSC or ALSCH (see ordering guide) as the controls option, or
- Integrated Wireless Controller option (above) with integrated motion sensor: ALSCS (ordering guide for mounting heights) or
- The 7-Pin Photoelectric Control Receptacle: CR7P as the controls option; and either the [5-Pin](#) or [7-Pin Twist Lock Controller](#): ALSC UNV TL5 or ALSC UNV TL7 as an accessory

To see how the components of AirLink system work together, reference the diagram in the controls section of this specsheet. For more information on our AirLink products, visit our website: www.lsi-airlink.com/airlink-synapse/

Stand-Alone Controls

- The integral passive infrared motion sensor (IMS) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photocontrol receptacle option (CR7P) is available for twist lock photocontrols or wireless control modules.
- The Button Type Photocells (PCI) are capable of switching luminaires ON/OFF in response to the amount of available daylight.

Installation

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing/servicing.
- Included terminal block provides quick and easy on-site wiring.
- Utilizes LSI's traditional 3" drill pattern for easy fastening of LSI products. (See drawing on page 1)

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable For wet Locations.
- IP66 rated Luminaire. IP66 rated optical chamber.
- 3G rated for ANSI C136.31 high vibration applications

Performance

ELECTRICAL DATA (AMPS)*							
Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	68.2	0.6A	0.3A	0.3A	0.2A	0.2A	0.1A
12L	93.1	0.8A	0.4A	0.4A	0.3A	0.3A	0.2A
18L	148.5	1.2A	0.7A	0.6A	0.5A	0.4A	0.3A
24L	188.8	1.6A	0.9A	0.8A	0.7A	0.5A	0.4A
30L	248.6	2.1A	1.2A	1.0A	0.9A	0.7A	0.5A
36L	317.8	2.6A	1.5A	1.3A	1.1A	0.9A	0.7A
42L	393.4	3.3A	1.9A	1.6A	1.4A	1.1A	0.8A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*							
Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	74.3	0.6A	0.4A	0.3A	0.3A	0.2A	0.2A
12L	102.9	0.9A	0.5A	0.4A	0.4A	0.3A	0.2A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE ¹ (24-42L)					
Ambient	Initial ²	25 hr ²	50 hr ²	75 hr ³	100 hr ³
0-40 C	100%	100%	97%	94%	92%

RECOMMENDED LUMEN MAINTENANCE ¹ (9-18L)					
Ambient	Initial ²	25 hr ²	50 hr ²	75 hr ³	100 hr ³
0-50 C	100%	96%	91%	87%	83%

- 1- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- 2- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- 3- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

DELIVERED LUMENS*					
Lumen Package	Distribution	Phosphor Converted Amber			Wattage
		Delivered Lumens	Efficacy	BUG Rating	
9L	2	5958	80	B2-U0-G1	74
	2 IL	3735	50	B0-U0-G1	
	3	6196	83	B1-U0-G1	
	3 IL	4205	56	B0-U0-G1	
	5W	5528	74	B3-U0-G1	
	FT	5922	79	B1-U0-G2	
	FT IL	3712	50	B0-U0-G1	
	FTA	5997	80	B2-U0-G2	
12L	FTA IL	4254	57	B0-U0-G1	103
	2	7559	73	B2-U0-G2	
	2 IL	4738	46	B0-U0-G1	
	3	7860	76	B2-U0-G2	
	3 IL	5335	52	B0-U0-G1	
	5W	7013	68	B3-U0-G2	
	FT	7513	73	B2-U0-G2	
	FT IL	4709	46	B0-U0-G2	
	FTA	7608	74	B2-U0-G2	
	FTA IL	5397	52	B0-U0-G1	

*LED Chips are frequently updated therefore values are nominal

LUMINAIRE EPA CHART - SLM									
Tilt Degree					Tilt Degree				
	0°	30°	45°		0°	30°	45°		
Single	0.5	2.1	2.6	T90°	1.2	2.9	3.6		
D180°	1.1	2.1	2.6	TN120°	1.3	4.4	5.4		
D90°	0.9	2.5	3.1	O90°	1.2	2.9	3.6		

Specifications and dimensions subject to change without notice.



Slice Medium - SLM Outdoor LED Area Light

DELIVERED LUMENS*															Wattage
Lumen Package	Distribution	CRI	2700K CCT			3000K CCT			4000K CCT			5000K CCT			
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
9L	2	70	8349	122	B2-U0-G2	8576	125	B2-U0-G2	9396	137	B2-U0-G2	9784	143	B2-U0-G2	69
	2 IL	70	5185	76	B0-U0-G1	5326	78	B0-U0-G1	5835	85	B0-U0-G1	6076	89	B0-U0-G1	
	3	70	8571	125	B1-U0-G2	8804	129	B1-U0-G2	9646	141	B2-U0-G2	10044	147	B2-U0-G2	
	3 IL	70	6283	92	B0-U0-G2	6454	94	B0-U0-G2	7071	103	B0-U0-G2	7363	107	B0-U0-G2	
	5W	70	8158	119	B3-U0-G2	8380	122	B3-U0-G2	9181	134	B3-U0-G2	9560	140	B4-U0-G2	
	FT	70	8337	122	B2-U0-G2	8563	125	B2-U0-G2	9382	137	B2-U0-G2	9769	143	B2-U0-G2	
	FT IL	70	5393	79	B0-U0-G2	5540	81	B0-U0-G2	6069	89	B0-U0-G2	6320	92	B0-U0-G2	
	FTA	70	8459	123	B2-U0-G2	8689	127	B2-U0-G2	9520	139	B2-U0-G2	9913	145	B2-U0-G2	
FTA IL	70	6200	91	B1-U0-G1	6369	93	B1-U0-G1	6978	102	B1-U0-G1	7266	106	B1-U0-G1		
12L	2	70	11157	119	B2-U0-G2	11461	122	B2-U0-G2	12556	134	B3-U0-G2	13075	139	B3-U0-G2	94
	2 IL	70	6929	74	B1-U0-G1	7117	76	B1-U0-G2	7798	83	B1-U0-G2	8119	86	B1-U0-G2	
	3	70	11454	122	B2-U0-G2	11766	125	B2-U0-G2	12890	137	B2-U0-G2	13423	143	B2-U0-G2	
	3 IL	70	8396	89	B0-U0-G2	8625	92	B0-U0-G2	9449	101	B0-U0-G2	9839	105	B0-U0-G2	
	5W	70	10902	116	B4-U0-G2	11199	119	B4-U0-G2	12269	131	B4-U0-G2	12775	136	B4-U0-G2	
	FT	70	11141	119	B2-U0-G2	11444	122	B2-U0-G2	12538	133	B2-U0-G3	13055	139	B2-U0-G3	
	FT IL	70	7207	77	B0-U0-G2	7403	79	B0-U0-G2	8110	86	B0-U0-G2	8445	90	B0-U0-G2	
	FTA	70	11304	120	B2-U0-G2	11612	124	B2-U0-G2	12722	135	B2-U0-G2	13247	141	B2-U0-G2	
FTA IL	70	8286	88	B1-U0-G1	8511	91	B1-U0-G1	9325	99	B1-U0-G1	9710	103	B1-U0-G1		
18L	2	70	16714	112	B3-U0-G3	17168	115	B3-U0-G3	18809	126	B3-U0-G3	19586	131	B3-U0-G3	150
	2 IL	70	10379	69	B1-U0-G2	10662	71	B1-U0-G2	11681	78	B1-U0-G2	12163	81	B1-U0-G2	
	3	70	17158	115	B2-U0-G3	17625	118	B2-U0-G3	19310	129	B3-U0-G3	20107	134	B3-U0-G3	
	3 IL	70	12578	84	B1-U0-G3	12920	86	B1-U0-G3	14155	95	B1-U0-G3	14739	99	B1-U0-G3	
	5W	70	16331	109	B4-U0-G2	16776	112	B4-U0-G2	18379	123	B4-U0-G2	19138	128	B5-U0-G3	
	FT	70	16689	112	B3-U0-G3	17143	115	B3-U0-G3	18781	126	B3-U0-G4	19557	131	B3-U0-G4	
	FT IL	70	10795	72	B1-U0-G2	11089	74	B1-U0-G2	12149	81	B1-U0-G3	12651	85	B1-U0-G3	
	FTA	70	16934	113	B3-U0-G3	17395	116	B3-U0-G3	19058	127	B3-U0-G3	19844	133	B3-U0-G3	
FTA IL	70	12412	83	B1-U0-G1	12750	85	B1-U0-G2	13969	93	B1-U0-G2	14546	97	B1-U0-G2		
24L	2	70	20880	112	B3-U0-G3	22701	121	B4-U0-G3	24276	130	B4-U0-G3	24784	133	B4-U0-G3	187
	2 IL	70	13100	70	B1-U0-G2	14243	76	B1-U0-G2	15231	81	B1-U0-G2	15550	83	B1-U0-G2	
	3	70	21739	116	B3-U0-G3	23636	126	B3-U0-G4	25275	135	B3-U0-G4	25804	138	B3-U0-G4	
	3 IL	70	15828	85	B1-U0-G3	17209	92	B1-U0-G3	18403	98	B1-U0-G4	18788	100	B1-U0-G4	
	5W	70	20632	110	B5-U0-G3	22432	120	B5-U0-G3	23988	128	B5-U0-G3	24490	131	B5-U0-G3	
	FT	70	21611	116	B3-U0-G4	23496	126	B3-U0-G4	25126	134	B3-U0-G4	25652	137	B3-U0-G4	
	FT IL	70	13692	73	B1-U0-G3	14886	80	B1-U0-G3	15919	85	B1-U0-G3	16252	87	B1-U0-G3	
	FTA	70	21496	115	B3-U0-G3	23371	125	B3-U0-G3	24992	134	B3-U0-G3	25515	136	B3-U0-G3	
FTA IL	70	15226	81	B1-U0-G2	16555	89	B1-U0-G2	17703	95	B2-U0-G2	18073	97	B2-U0-G2		
30L	2	70	26581	108	B4-U0-G3	28900	117	B4-U0-G3	30905	125	B4-U0-G3	31551	128	B4-U0-G3	247
	2 IL	70	16677	68	B1-U0-G2	18132	73	B1-U0-G2	19390	79	B1-U0-G2	19796	80	B1-U0-G2	
	3	70	27675	112	B3-U0-G4	30089	122	B3-U0-G4	32176	130	B3-U0-G4	32850	133	B3-U0-G4	
	3 IL	70	20150	82	B1-U0-G4	21908	89	B1-U0-G4	23428	95	B1-U0-G4	23918	97	B1-U0-G4	
	5W	70	26266	106	B5-U0-G3	28557	116	B5-U0-G3	30538	124	B5-U0-G4	31177	126	B5-U0-G4	
	FT	70	27512	111	B3-U0-G4	29912	121	B3-U0-G4	31987	130	B3-U0-G4	32656	132	B3-U0-G5	
	FT IL	70	17430	71	B1-U0-G3	18951	77	B1-U0-G4	20266	82	B1-U0-G4	20690	84	B1-U0-G4	
	FTA	70	27365	111	B3-U0-G3	29752	120	B4-U0-G3	31816	129	B4-U0-G3	32482	132	B4-U0-G3	
FTA IL	70	19384	78	B2-U0-G2	21075	85	B2-U0-G2	22537	91	B2-U0-G2	23008	93	B2-U0-G2		
36L	2	70	32214	102	B4-U0-G3	35025	111	B4-U0-G3	37454	118	B4-U0-G3	38238	121	B4-U0-G4	317
	2 IL	70	20212	64	B1-U0-G2	21975	69	B1-U0-G3	23499	74	B2-U0-G3	23991	76	B2-U0-G3	
	3	70	33540	106	B3-U0-G4	36466	115	B3-U0-G5	38996	123	B3-U0-G5	39812	126	B3-U0-G5	
	3 IL	70	24421	77	B1-U0-G4	26551	84	B1-U0-G4	28393	90	B1-U0-G4	28987	92	B1-U0-G5	
	5W	70	31832	101	B5-U0-G4	34609	109	B5-U0-G4	37010	117	B5-U0-G4	37785	119	B5-U0-G4	
	FT	70	33342	105	B3-U0-G5	36251	114	B3-U0-G5	38766	122	B4-U0-G5	39577	125	B4-U0-G5	
	FT IL	70	21125	67	B1-U0-G4	22968	73	B1-U0-G4	24561	78	B1-U0-G4	25075	79	B1-U0-G4	
	FTA	70	33164	105	B4-U0-G3	36058	114	B4-U0-G4	38559	122	B4-U0-G4	39366	124	B4-U0-G3	
FTA IL	70	23492	74	B2-U0-G2	25541	81	B2-U0-G2	27313	86	B2-U0-G2	27885	88	B2-U0-G2		
42L	2	70	36785	94	B4-U0-G3	39994	103	B5-U0-G4	42768	110	B5-U0-G4	43663	112	B5-U0-G4	390
	2 IL	70	23079	59	B1-U0-G3	25093	64	B2-U0-G3	26833	69	B2-U0-G3	27395	70	B2-U0-G3	
	3	70	38299	98	B3-U0-G5	41640	107	B4-U0-G5	44528	114	B4-U0-G5	45460	117	B4-U0-G5	
	3 IL	70	27886	72	B1-U0-G4	30319	78	B1-U0-G5	32422	83	B1-U0-G5	33100	85	B1-U0-G5	
	5W	70	36349	93	B5-U0-G4	39520	101	B5-U0-G4	42261	108	B5-U0-G4	43145	111	B5-U0-G4	
	FT	70	38073	98	B4-U0-G5	41395	106	B4-U0-G5	44266	114	B4-U0-G5	45192	116	B4-U0-G5	
	FT IL	70	24122	62	B1-U0-G4	26226	67	B1-U0-G4	28045	72	B1-U0-G4	28632	73	B1-U0-G4	
	FTA	70	37870	97	B4-U0-G4	41174	106	B4-U0-G4	44030	113	B4-U0-G4	44951	115	B4-U0-G4	
FTA IL	70	26825	69	B2-U0-G2	29165	75	B2-U0-G2	31188	80	B2-U0-G2	31841	82	B2-U0-G2		

*LED Chips are frequently updated therefore values are nominal

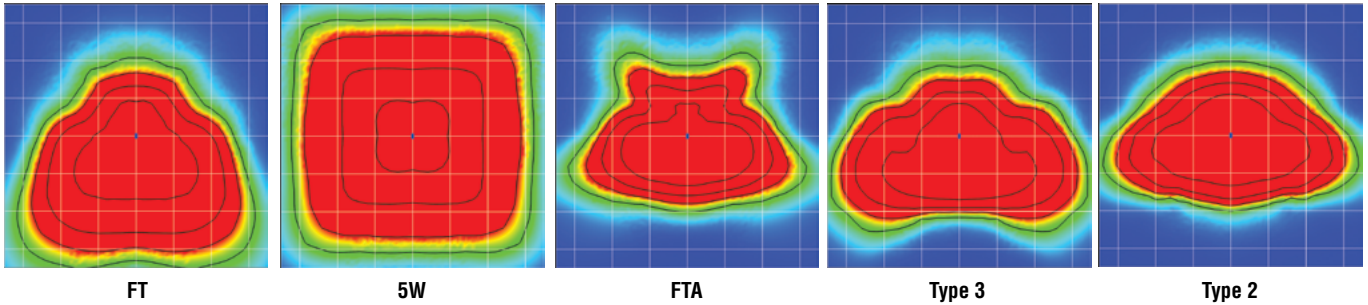
Specifications and dimensions subject to change without notice.



Slice Medium - SLM Outdoor LED Area Light

Performance (Cont.)

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Slice (SLM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



Ordering Guide

TYPICAL ORDER EXAMPLE: **SLM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Prefix	Light Source	Lumen Package*	Light Output	Distribution	Orientation ¹	Voltage	Driver
SLM Slice Medium	LED	9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms <small>* Consult factory for programmable wattages and lumen packages</small>	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive	(blank) - standard L - Optics rotated left 90 R - Optics rotated right 90	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Handwritten red annotations: "TYPE F" with an arrow pointing to the FTA distribution option; "TYPES G & H" with an arrow pointing to the FT and FTA distribution options.

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT ² 27 - 2,700 CCT ² AMB - Phosphor Converted Amber ^{2,3}	70CRI - 70 CRI 80CRI - 80 CRI ²	(Blank) - None <u>Wireless Controls System</u> ALSC - AirLink Synapse Control System ⁴ ALSCH - AirLink Synapse Control System Host / Satellite ^{4,5} ALSCS01 - AirLink Synapse Control System with 8-12' Motion Sensor ⁴ ALSCHS01 - AirLink Synapse Control System Host / Satellite with 8-12' Motion Sensor ^{4,5} ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor ⁴ ALSCHS02 - AirLink Synapse Control System Host / Satellite with 12-20' Motion Sensor ^{4,5} ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor ⁴ ALSCHS04 - AirLink Synapse Control System Host / Satellite with 20-40' Motion Sensor ^{4,5} <u>Stand-Alone Controls</u> EXT - 0-10v Dimming (from external signal) IMS0M1 - Integral Motion Sensor 8-12' ^{4,6} IMS0M2 - Integral Motion Sensor 12-20' ^{4,6} IMS0M4 - Integral Motion Sensor 20-40' ^{4,6} CR7P - 7 Pin Control Receptacle ANSI C136.41 ⁷ <u>Button Type Photocells</u> PC1120 - 120V PC1208-277 - 208-277V PC1347 - 347V	BRZ - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green	(Blank) - None IL - Integral Louver HSS ¹ <i>Handwritten red annotation:</i> "TYPES F & H" with an arrow pointing to the IL option.



Slice Medium - SLM Outdoor LED Area Light

Accessory Ordering Information⁸

Description	Order Number	Description	Order Number
PC120 Photocell for use with CR7P option (120V) ⁹	122514	X5RPP - Round Pole Adapter for 5" Poles ¹¹	379968CLR
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) ⁹	122515	IL - Integral Louver HSS	684812
PC347 Photocell for use with CR7P option (347V) ⁹	122516	Universal Mounting Bracket (UMB) ¹¹	684616CLR
PC480 Photocell for use with CR7P option (480V) ⁹	1225180	Adjustable Slip Fitter (ASF) ¹¹	688138CLR
ALSC UNV TL5 - Airlink 5Pin Twist Lock Controller ^{4,9}	661409	Pole Quick Mount Bracket - Square Pole ¹¹	687073CLR
ALSC UNV TL7 - Airlink 7Pin Twist Lock Controller ^{4,9}	661410	Pole Quick Mount Bracket - 4-5" Round Pole ¹¹	689903CLR
PMOS24 - 24V Pole-Mount Occupancy Sensor (ALSC/H Compatible) ^{10,11}	663284CLR	15° Tilt Pole Quick Mount Bracket - Square Pole ¹¹	688003CLR
IMS/PC Remote Configurator Tool	584929	15° Tilt Pole Quick Mount Bracket - 4-5" Round Pole ¹¹	689905CLR
X3RPP - Round Pole Adapter for 3" Round Tapered Poles ¹¹	408273CLR	BKS XBO WM * CLR Wall Mount Bracket ¹¹	382132CLR
X4RPP - Round Pole Adapter for 4" Poles ¹¹	379967CLR		

FOOTNOTES:

- 1 - Not available on "Type V" distribution.
- 2 - Consult Factory for availability.
- 3 - Only available in 9L and 12L Lumen Packages
- 4 - Not available in HV.
- 5 - Consult Factory for Site Layout
- 6 - IMS is field adjustable, via a hand held Remote Configurator Tool, which must be ordered separately. See Accessory Ordering Information.

7 - Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information.

8 - Accessories are shipped separately and field installed.

9 - Factory installed CR7P option required. See Options.

10 - Only available with ALSC* Controls

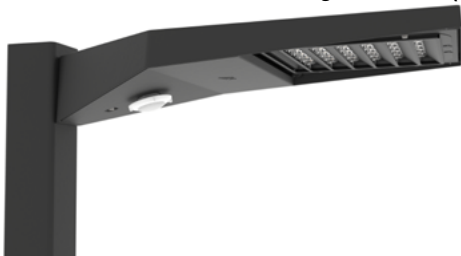
11 - "CLR" denotes finish. See Finish options.

Accessories/Options

Integral Louver (IL)

Accessory Integral Louver available for improved back-light control without sacrificing street side performance. LSI's Integral Louver (IL) option delivers backlight control that significantly reduces light spill behind the pole for applications with pole locations close to adjacent properties. The integrated louvers' design maximizes forward-reflected light while - reducing glare, maintaining the optical distribution selected, and most importantly, eliminating light trespass. The Integral louver rotates with the optical distribution.

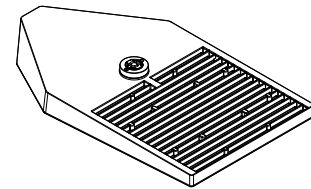
Luminaire Shown with Integral Louver (IL)



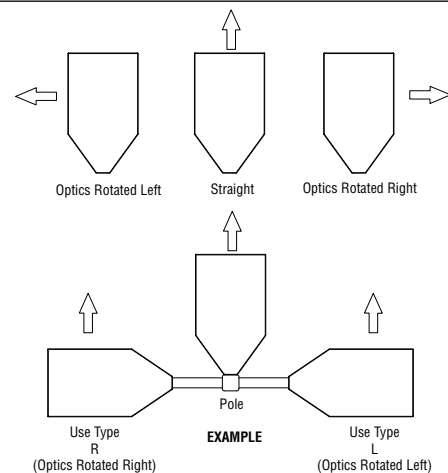
7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Fixture Shown with CR7P



Optics Rotation





Slice Medium - SLM Outdoor LED Area Light

Stand-alone Controls: Occupancy Sensor (IMS)

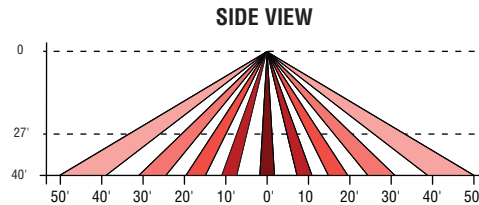
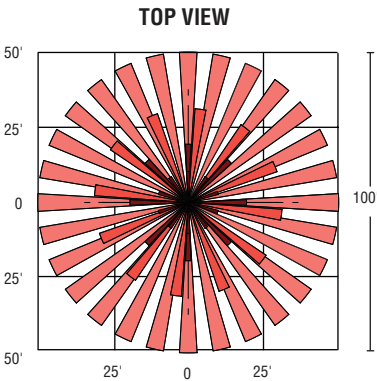
The integral passive infrared motion sensor activates switching of luminaire light levels. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Lowlight level (10% maximum drive current) is activated when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone.

The Remote Configurator Tool allows for easy and safe programming of each luminaire from ground level. See the [Remote Configurator User Guide](#) for programming instructions.

When ordering the Stand-alone Occupancy Sensor on the fixture, you must include IMS (see ordering guide for mounting height options) as the controls option in the fixture nomenclature.

To order as a motion sensor with the AirLink Wireless Control System, see ordering guide under "Wireless Controls System" and select the ALSCS controls option with the desired mounting height.

IMS Coverage Diagrams



Remote Configurator Tool



Luminaire Shown with IMS





Slice Medium - SLM Outdoor LED Area Light



AirLink™
enabled by Synapse®

The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

The AirLink System

Wireless controls & sensors



Wireless & Override Switches



Occupancy/Vacancy & Daylight Sensors



AirLink-integrated Fixtures



AirLink-compatible Fixtures



Circuit & Zone Controllers

Centralized control & integration



Site Manager Controller

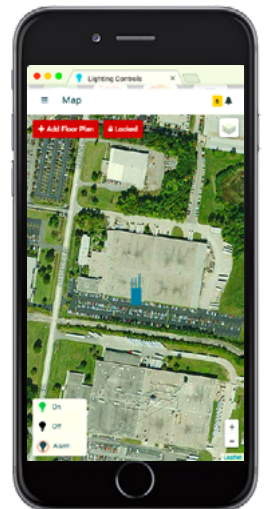


Gateway Module



WiFi, Cellular or Ethernet Connection

Simple-to-use software



AirLink Site Manger: Lighting control web app

Contact LSI Controls



Sales
controls.sales@lsi-industries.com



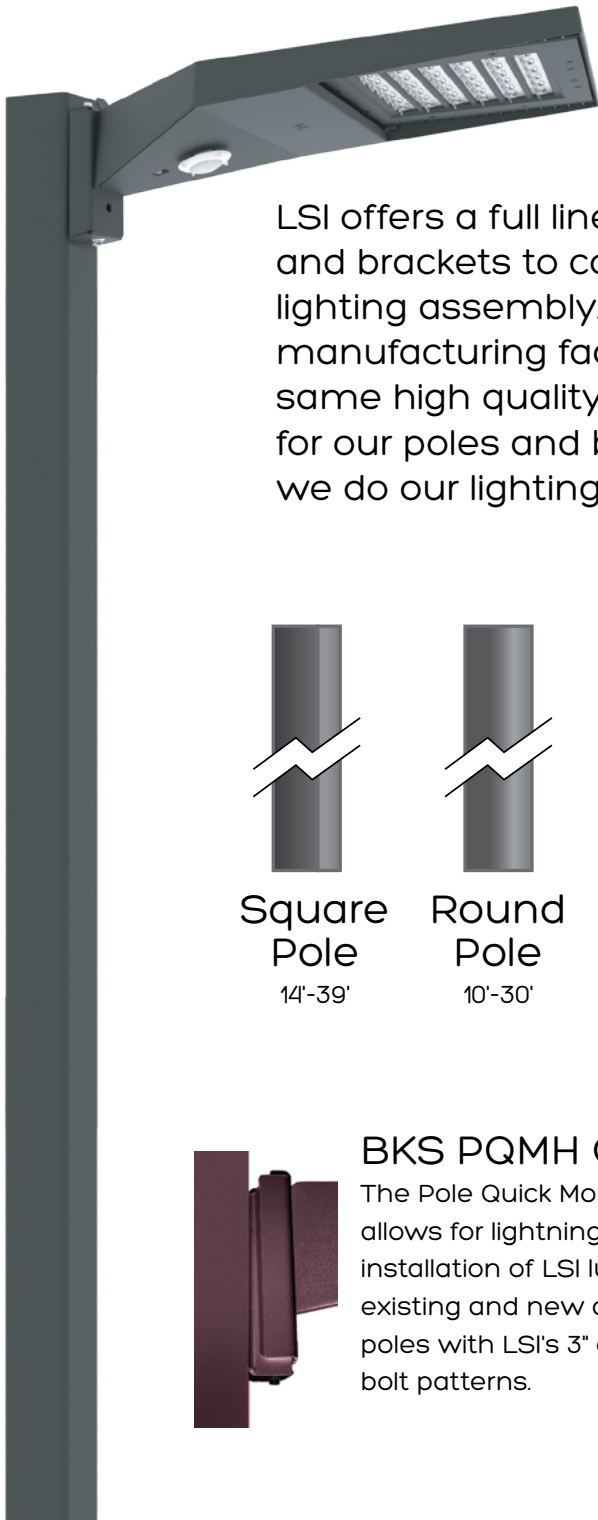
Support
controls.support@lsi-industries.com
1 (800) 436-7800 (support, option 8)



More information
For more information on AirLink, visit our website at www.lsi-airlink.com



poles & Brackets

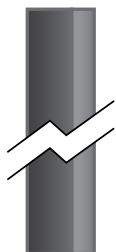


LSI offers a full line of poles and brackets to complete your lighting assembly. Our USA manufacturing facility has the same high quality standards for our poles and brackets as we do our lighting fixtures.



BKA UMB CLR

The 3G rated Universal Mounting Bracket (UMB) allows for seamless integration of LSI Luminaires onto existing or new construction poles. The UMB bracket was designed specifically for square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5"-5".



Square Pole
14'-39'



Round Pole
10'-30'



Tapered Pole
20'-39'



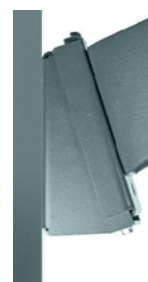
BKA ASF CLR

The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45° and 90° when using a vertical tenon.



BKS PQMH CLR

The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's 3" or 5" standard bolt patterns.



BKS PQM15 CLR

The Pole Quick Mount Bracket allows for preset 15° up tilt of LSI luminaires for greater throw of light and increased vertical illumination as well as fast installation onto poles with LSI's 3" or 5" bolt pattern.