

URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
126 S. Hamilton St.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635



FOR OFFICE USE ONLY:

Paid _____ Receipt # _____

Date received _____

Received by _____

Aldermanic District _____

Zoning District _____

Urban Design District _____

Submittal reviewed by _____

Complete all sections of this application, including the desired meeting date and the action requested.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.

1. Project Information

Address: _____

Title: _____

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested _____

- New development Alteration to an existing or previously-approved development
 Informational Initial approval Final approval

3. Project Type

- Project in an Urban Design District
 Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
 Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
 Planned Development (PD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Multi-Use Site or Residential Building Complex

Signage

- Comprehensive Design Review (CDR)
 Signage Variance (i.e. modification of signage height, area, and setback)

Other

- Please specify _____

4. Applicant, Agent, and Property Owner Information

Applicant name _____ **Company** _____

Street address _____ **City/State/Zip** _____

Telephone _____ **Email** _____

Project contact person _____ **Company** _____

Street address _____ **City/State/Zip** _____

Telephone _____ **Email** _____

Property owner (if not applicant) _____

Street address _____ **City/State/Zip** _____

Telephone _____ **Email** _____

5. Required Submittal Materials

- Application Form**
- Letter of Intent**
 - If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
 - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- Development plans** (Refer to checklist provided below for plan details)
- Filing fee**
- Electronic Submittal***

Each submittal must include fourteen (14) 11" x 17" collated paper copies. Landscape and Lighting plans (if required) must be full-sized. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

**Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to udcapplications@cityofmadison.com. The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with _____ on _____.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Applicant name _____ Relationship to property _____

Authorized signature of **Property Owner** _____ Date _____

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than \$1,000.

Please consult the schedule below for the appropriate fee for your request:

- Urban Design Districts: \$350 (per §35.24(6) MGO).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per §33.24(6)(b) MGO)
- Comprehensive Design Review: \$500 (per §31.041(3)(d)(1)(a) MGO)
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per §31.041(3)(d)(1)(c) MGO)
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: \$300 (per §31.041(3)(d)(2) MGO)

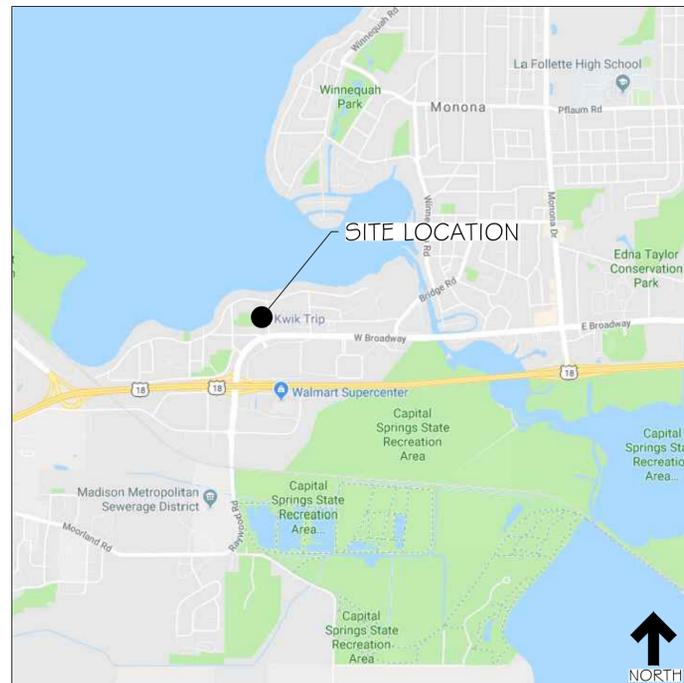
A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

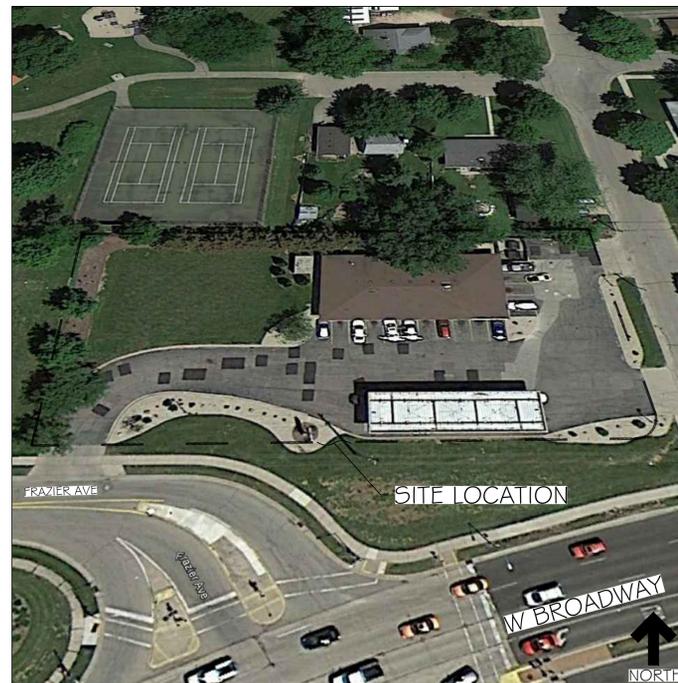
SITE IMPROVEMENT PLANS FOR:

KWIK TRIP #965
2402 W BROADWAY
MADISON, WISCONSIN

SITE LOCATION MAP:



SITE AERIAL MAP:

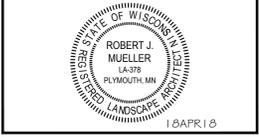


DRAWING INDEX	
TI	TITLE SHEET
ALTA	ALTA SURVEY
DM I	DEMO PLAN
SP I	SITE DIMENSION PLAN
SP I . I	SITE PLAN KEYNOTE
SP2	GRADE PLAN
SP2 . I	GRADE PLAN DETAILS
SPA	ACCESSIBILITY PLAN
SPD	DETAILS
SWP I	EROSION CONTROL PLAN
SWP2	EROSION CONTROL NOTES
SWP3	EROSION CONTROL DETAILS
SWP4	EROSION CONTROL DETAILS
LI	LANDSCAPE PLAN
E I	LIGHTING PLAN



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

INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
Fax 763.383.8400



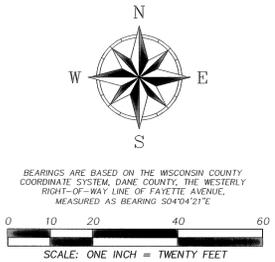
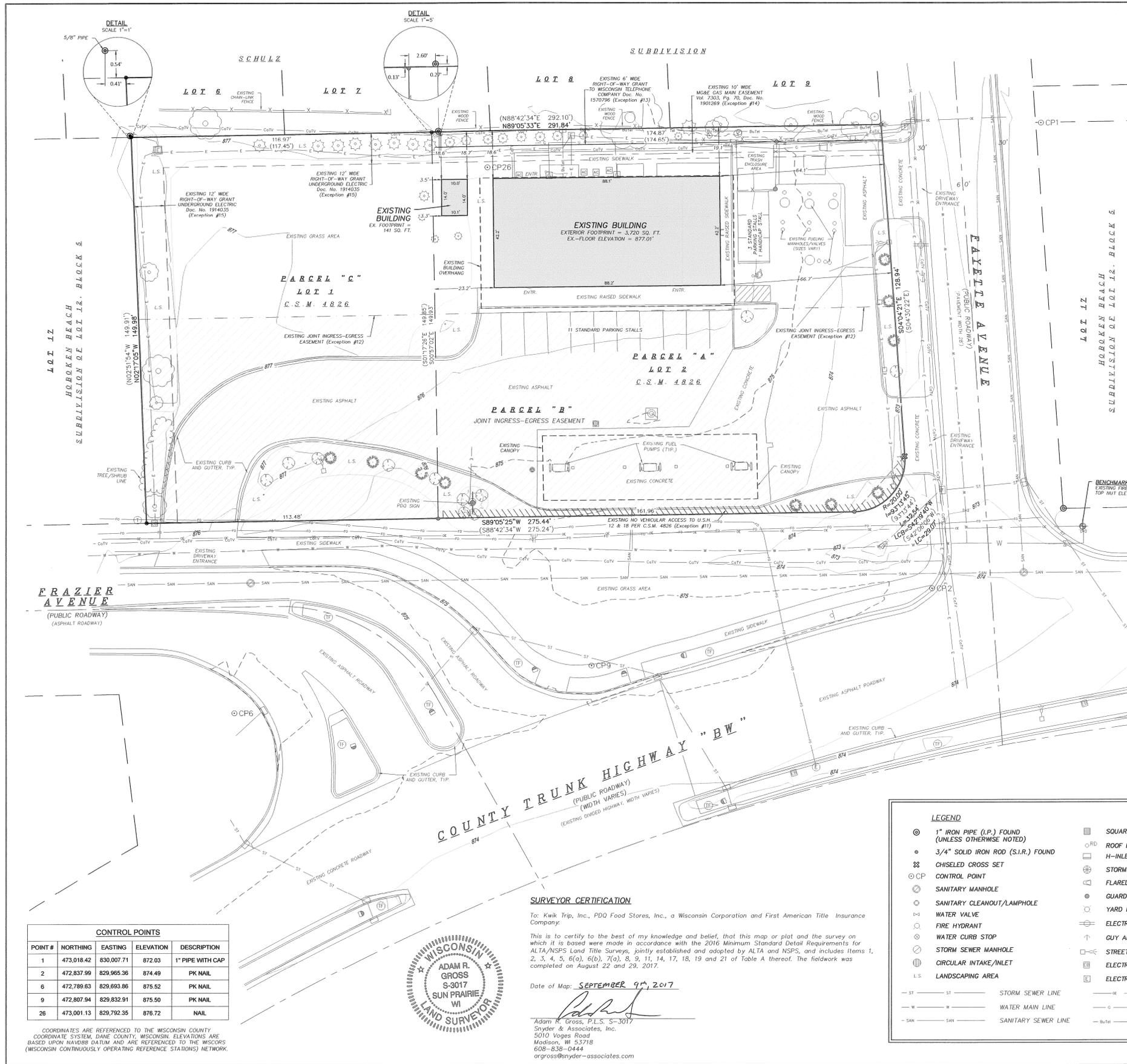
TITLE SHEET	CONVENIENCE STORE 965	
	2402 W BROADWAY MADISON, WISCONSIN	
NO.	DATE	DESCRIPTION
-	08JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY
DRAWN BY _____		
SCALE	GRAPHIC	
PROJ. NO.	17965	
DATE	18APR2018	
SHEET	T1	

OWNER:
KWIK TRIP INC.
1626 OAK STREET
LA CROSSE, WI 54602
BJORN BERG
(608)-791-4343
BBERG@kwiktrip.com

SITE PLANNER:
INSITES SITE PLANNING
3030 HARBOR LN N, SUITE 131
PLYMOUTH, MN 55447
BOB MUELLER
763-383-8400
Bob@insitesinc.net

SURVEYOR:
SNYDER & ASSOCIATES
608.838.0444
ARGROSS@SNYDER-ASSOCIATES.COM

17:050 PM B.S.



TITLE INFORMATION:
 Legal Description from Title Commitment File No. NCS-861351-8-MAD dated July 27, 2017 at 7:30am from First American Title Insurance Company.

Parcel A:
 Lot Two (2), of Certified Survey Map #4826 recorded in the Dane County Register of Deeds office in Volume 14 of Certified Survey Maps, page 41-22 Document No. 191102, in the City of Madison, Dane County, Wisconsin.

Parcel B:
 Together with a nonexclusive ingress/egress easement pursuant to common access and cross easement agreement recorded December 15, 1985 as Document No. 191502 and as shown on Certified Survey Map No. 4826.

Parcel C:
 Lot One (1), of Certified Survey Map #4826 recorded in the Dane County Register of Deeds office in Volume 14 of Certified Survey Maps, page 41-23 Document No. 191141 in the City of Madison, Wisconsin.

- The legal description referenced in the title commitment is the same property depicted on this survey.
- Date of Field Survey: August 22, 2017. Any changes in site conditions after August 22 and 29, 2017 are not reflected by this survey.
- Total Area of parcels surveyed = 44,009 Sq. Ft. (1,010.3 Acres)
- Address of property: Store 122, 2402-04 West Broadway, Madison, WI (Per Title Commitment)
- Parcel Numbers: 251/0710-194-1008-5 and 251/0710-194-1012-6 (Per Title Commitment)
- Surveyor has made no investigation or independent search for encumbrances, restrictive covenants, ownership title evidence, or any other facts that the current title search may disclose.
- No attempt has been made as a part of this survey to obtain or show data concerning size, depth, condition or capacity of any utility or municipal/public service facility. For information regarding these utilities or facilities contact the appropriate agencies.
- Said described property is located within an area having a Zone designation X by the Federal Emergency Management Agency, on Flood Insurance Rate Map No. 25025C0436C, with a date of identification of January 02, 2009, for Community Numbers 25007, 25008, and 25009, in Dane County, State of Wisconsin, which is the current Flood Insurance Rate Map for the community in which said property is situated.
- Total number of full above-ground marked standard parking stalls on property = 14
- Total number of above-ground marked handicap stalls = 1
- Before excavation, appropriate utility companies should be contacted. For exact location of underground utilities, contact Digger's Hotline at 1-800-232-5511.
- The information provided to the surveyor through an email dated 08-24-2017 with the City of Madison, no changes plan to be made to the public street right-of-way lines. (Noted to fulfill item 17 of Table A)
- No wetlands exist on the property surveyed per the WDNR website. (Noted to fulfill item 18 of Table A)
- All known platable easements and servitudes disclosed in document provided to or obtained by surveyor are shown on survey. (Noted to fulfill item 19 of Table A)
- Subsurface utilities and features shown on this survey have been approximated by locating surficial features and appurtenances, locating Digger's Hotline field markings and by reference to utility records and maps. Digger's Hotline Ticket Numbers 2013412062, 2013412145, and 2013412164.

Surveyor has been provided a copy of Title Commitment File No. NCS-861351-8-MAD dated July 27, 2017 at 7:30am from First American Title Insurance Company.

Title Exceptions (Per Title Commitment File No. NCS-861351-8-MAD dated July 27, 2017 at 7:30am from First American Title Insurance Company):

- Any facts, rights, interests, or claims that are not shown by the public records but that could be ascertained by an inspection of the land or by making inquiry of persons in possession of the land.
- Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title including, discrepancies, conflict in boundary lines, shortages in area, or any other facts that would be disclosed by an accurate and complete land survey of the land, and that are not shown in the public records.
- Any lien, or right to a lien, for services, labor or material thereto or hereafter furnished imposed by law and not shown in the public records.
- Defects, liens, encumbrances, adverse claims, or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.
- Special taxes, assessments or charges, if any.

NOTE: Said exception will be removed only if the Company receives written evidence from the municipality that there are no special assessments against the land, or that all such items have been paid in full within 30 days of closing.

- Taxes, general and special for the year 2017, not now due and payable.
- Taxes for the year 2016 in the amount of \$10,652.72 are paid. Tax Parcel number 251/0710-194-1012-6
- Special Assessments for sidewalk in the amount of \$1,146.05.
- Public or private rights in such portion of the subject premises as may be presently used, laid out or dedicated in any manner whatsoever, for street, highway, and or other purposes.
- Easements, Areas of No Vehicular Access, and other matters as disclosed by CSM 4826 and Plat of Schulz Subdivision recorded as Document No. 832790. (As shown on survey)
- Joint Ingress-Egress Easement as noted on Certified Survey Map No. 4826. (As shown on survey)
- Right of Way Grant as disclosed by Warranty Deed recorded May 8, 1978 as Document No. 1570796. (As shown on survey)
- Right of Way Grant Gas Main, to Madison Gas and Electric Company, recorded September 25, 1985 as Document No. 1901269 and as set forth on Certified Survey Map No. 4826. (As shown on survey)
- Right of Way Grant Underground Electric, to Madison Gas and Electric Company, recorded December 17, 1985 as Document No. 1914035. (As shown on survey)

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	473,018.42	830,007.71	872.03	1" PIPE WITH CAP
2	472,837.99	829,965.36	874.49	PK NAIL
6	472,789.63	829,693.86	875.52	PK NAIL
9	472,807.94	829,832.91	875.50	PK NAIL
26	473,001.13	829,792.35	876.72	NAIL



SURVEYOR CERTIFICATION
 To: Kwik Trip, Inc., PDO Food Stores, Inc., a Wisconsin Corporation and First American Title Insurance Company.

This is to certify to the best of my knowledge and belief, that this map or plot 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 and 21 of Table A thereof. The fieldwork was completed on August 22 and 29, 2017.

Date of Map: SEPTEMBER 9th, 2017

Adam R. Gross, P.L.S. S-3017
 Snyder & Associates, Inc.
 5010 Voges Road
 Madison, WI 53718
 608-838-0444
 agr@snnyder-associates.com

LEGEND			
⊙	1" IRON PIPE (I.P.) FOUND (UNLESS OTHERWISE NOTED)	□	SQUARE INTAKE/INLET
⊙	3/4" SOLID IRON ROD (S.I.R.) FOUND	⊙	ROOF DRAIN
⊙	CHISELED CROSS SET	⊙	H-INLET
⊙	CONTROL POINT	⊙	STORM SEWER BEHIVE
⊙	SANITARY MANHOLE	⊙	FLARED END SECTION
⊙	SANITARY CLEANOUT/LAMPHOLE	⊙	GUARD POST/BOLLARD
⊙	WATER VALVE	⊙	YARD LIGHT
⊙	FIRE HYDRANT	⊙	ELECTRIC POWER POLE
⊙	WATER CURB STOP	⊙	GUY ANCHOR
⊙	STORM SEWER MANHOLE	⊙	STREET LIGHT
⊙	CIRCULAR INTAKE/INLET	⊙	ELECTRIC BOX
⊙	LANDSCAPING AREA	⊙	ELECTRIC TRANSFORMER
—ST—ST—	STORM SEWER LINE	—E—E—E—	OVERHEAD UTILITY LINE
—W—W—W—	WATER MAIN LINE	—G—G—G—	BURIED GAS LINE
—SAN—SAN—	SANITARY SEWER LINE	—BuTel—BuTel—	BURIED TELEPHONE LINE
		—E—E—E—	BURIED ELECTRIC LINE
		—CaTv—CaTv—	BURIED CABLE TV LINE
		—FO—FO—FO—	BURIED FIBER OPTIC LINE
		⊙	CABLE TV MANHOLE/VAULT
		⊙	AIR CONDITIONER
		⊙	BENCHMARK
		⊙	HANDICAP PARKING STALL
		⊙	LARGE SIGN
		⊙	DECIDUOUS SHRUB
		⊙	CONIFEROUS SHRUB
		⊙	DECIDUOUS TREE (SIZE VARIES)
		⊙	CONIFEROUS TREE (SIZE VARIES)

SNYDER & ASSOCIATES
 Engineers and Planners

SURVEYED FOR:
 Kwik Trip, Inc.
 1626 Oak Street
 La Crosse, WI 54602

SURVEYED BY:
 Snyder & Associates, Inc.
 5010 Voges Road
 Madison, WI 53718
 (608) 838-0444
 www.snnyder-associates.com

ALTA/ACSM LAND TITLE SURVEY
 LOTS 1 AND 2, CERTIFIED SURVEY MAP NUMBER 4826 AS RECORDED IN VOLUME 21 OF CERTIFIED SURVEY MAPS, ON PAGES 206-207, AS DOCUMENT NUMBER 191141, DANE COUNTY REGISTRY AND LOCATED IN THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 19, TOWNSHIP 7 NORTH, RANGE 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.

SHEET
 1 OF 1

REVISED:
 DATE: 08-08-17

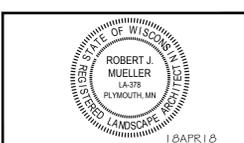
PN: 17-0745-30
 DATE: 08-25-17

Kwik TRIP

Kwik STAR

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

INSITES
 SITE PLANNING LANDSCAPE ARCHITECTURE
 3030 Harbor Lane North, STE 131
 Plymouth Minnesota 55447
 763.383.8400
 Fax 763.383.8400

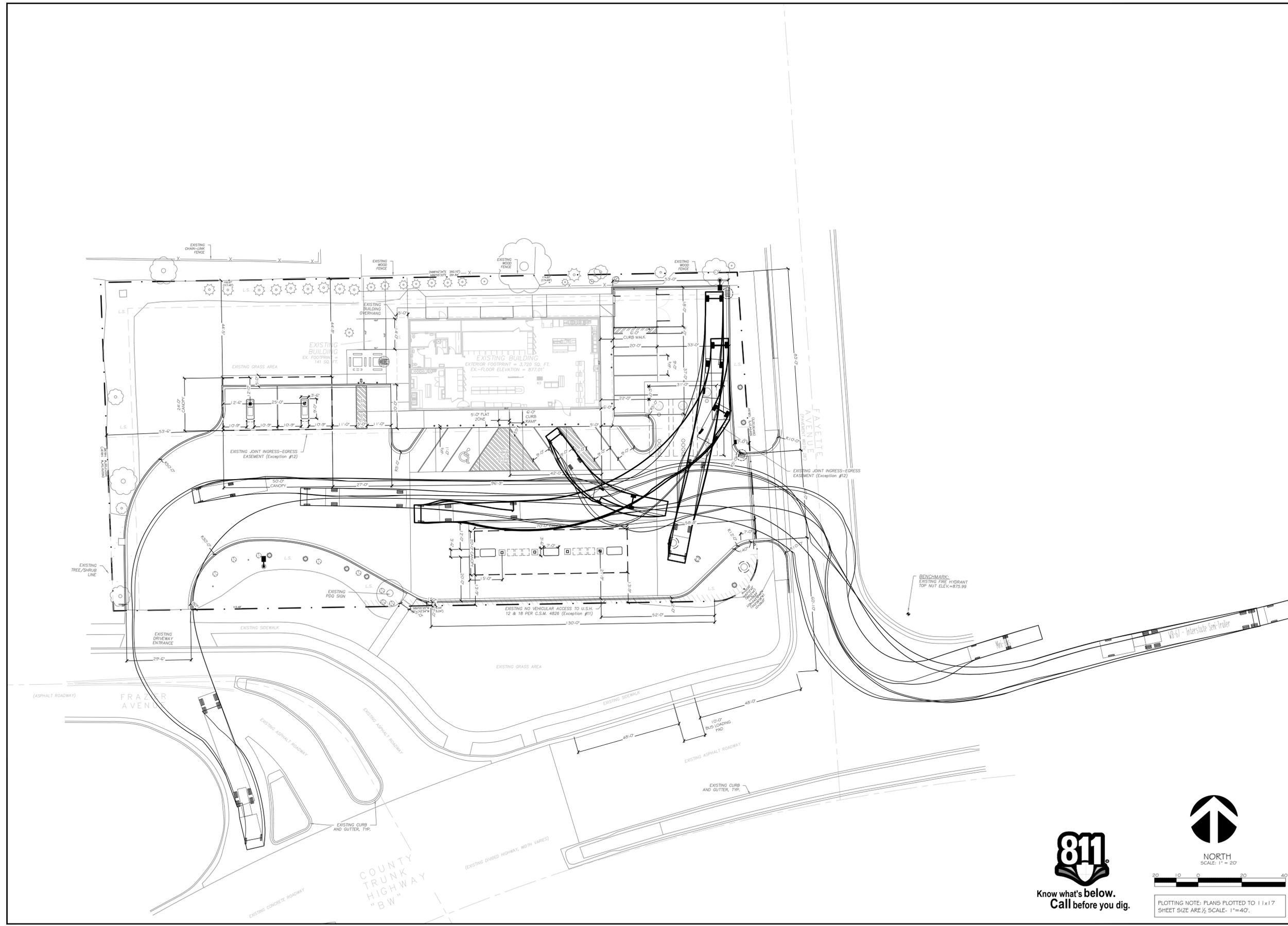


SITE CIRCULATION PLAN
CONVENIENCE STORE 965
 2402 W BROADWAY
 MADISON, WISCONSIN

NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY

DRAWN BY _____
 SCALE _____ GRAPHIC
 PROJ. NO. 17965
 DATE 18APR2018
 SHEET _____

SP0



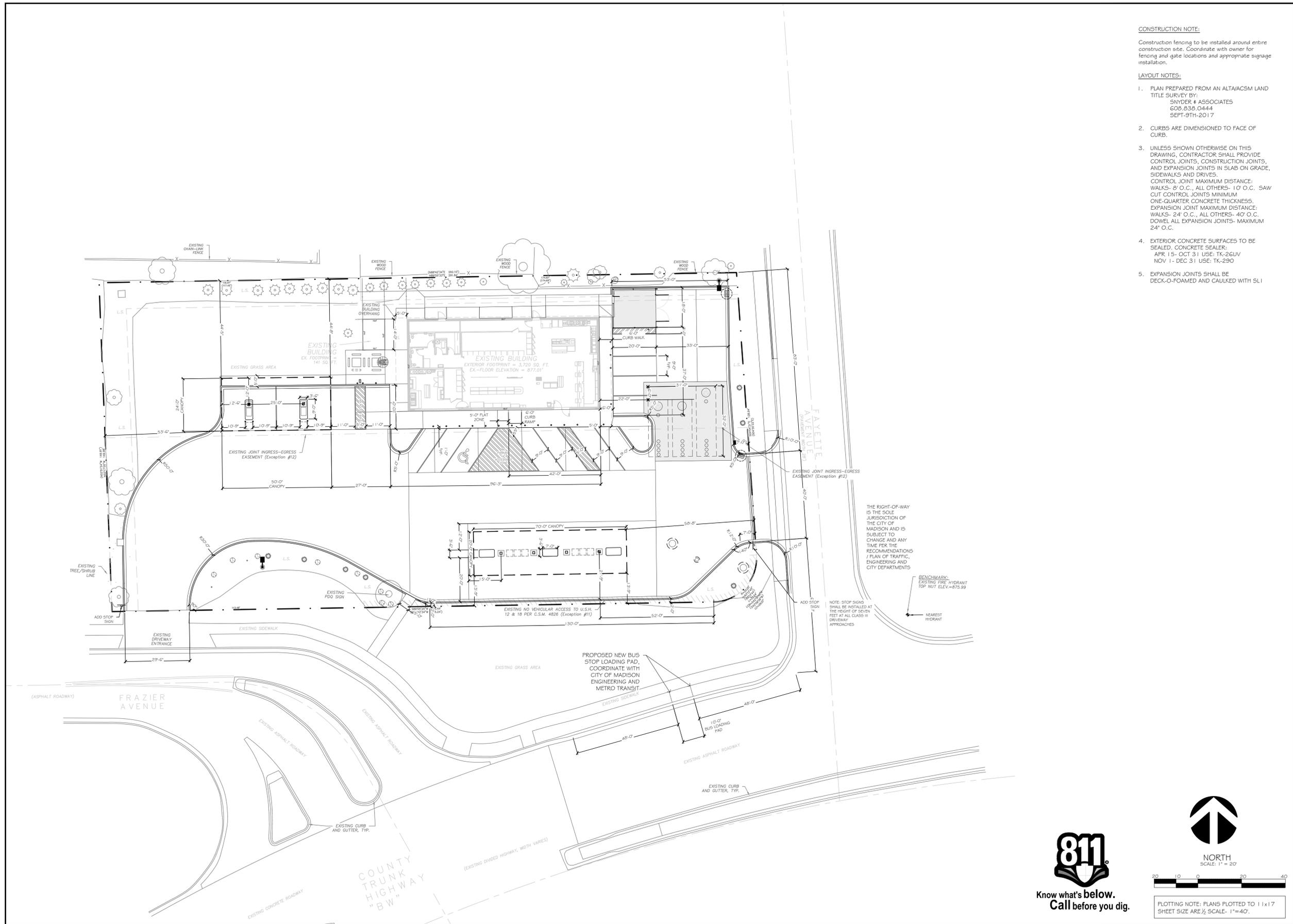
Know what's below.
 Call before you dig.



NORTH
 SCALE: 1" = 20'

PLOTTING NOTE: PLANS PLOTTED TO 11x17
 SHEET SIZE ARE 1/2 SCALE- 1"=40'

17:050 PM B.S.



CONSTRUCTION NOTE:

Construction fencing to be installed around entire construction site. Coordinate with owner for fencing and gate locations and appropriate signage installation.

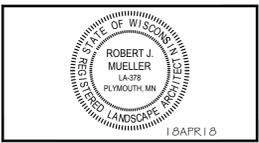
LAYOUT NOTES:

1. PLAN PREPARED FROM AN ALTA/ACSM LAND TITLE SURVEY BY:
SNYDER & ASSOCIATES
608.636.0444
SEPT-9TH-2017
2. CURBS ARE DIMENSIONED TO FACE OF CURB.
3. UNLESS SHOWN OTHERWISE ON THIS DRAWING, CONTRACTOR SHALL PROVIDE CONTROL JOINTS, CONSTRUCTION JOINTS, AND EXPANSION JOINTS IN SLAB ON GRADE, SIDEWALKS AND DRIVES.
CONTROL JOINT MAXIMUM DISTANCE:
WALKS- 8' O.C., ALL OTHERS- 10' O.C. SAW CUT CONTROL JOINTS MINIMUM ONE-QUARTER CONCRETE THICKNESS.
EXPANSION JOINT MAXIMUM DISTANCE:
WALKS- 24' O.C., ALL OTHERS- 40' O.C. DOWEL ALL EXPANSION JOINTS- MAXIMUM 24" O.C.
4. EXTERIOR CONCRETE SURFACES TO BE SEALED. CONCRETE SEALER:
APR 15- OCT 31 USE: TK-26UV
NOV 1- DEC 31 USE: TK-290
5. EXPANSION JOINTS SHALL BE DECK-O-FOAMED AND CAULKED WITH SLI

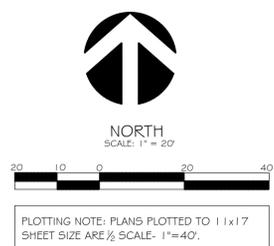


KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LACROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960

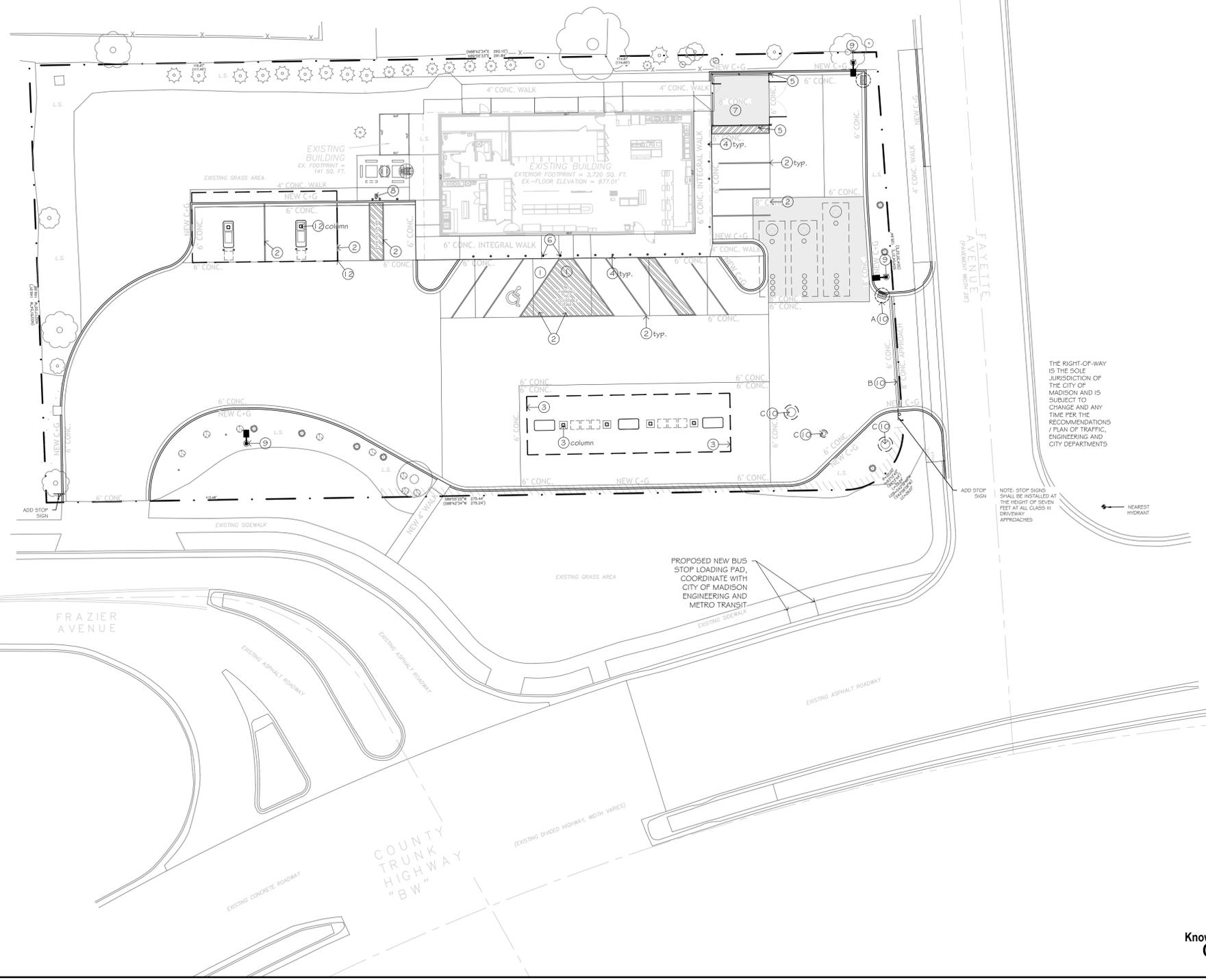
INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
fax 763.383.8400



SITE PLAN	CONVENIENCE STORE 965	
	2402 W BROADWAY MADISON, WISCONSIN	
NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY
DRAWN BY _____		
SCALE	GRAPHIC	
PROJ. NO.	17965	
DATE	18APR2018	
SHEET	SP1	



17:050 PM B.B.

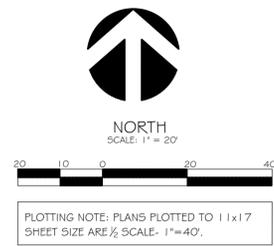


- ESTIMATED QUANTITIES**
- 5F 4" DEPTH CONCRETE WALK PER DETAIL 3/SPD
 - 5F 6" INTEGRAL CONCRETE CURB/WALK. SEE DETAIL 7/SPD FOR NON-FLUSH SECTIONS. CONCRETE SEALER: TK-26UV
 - 5F 6" DEPTH (MIN.) CONCRETE SLAB-ON-GRADE WITH #3 REBAR. CONCRETE SEALER: TK-26UV
 - 5F 8" DEPTH (MIN.) CONCRETE SLAB-ON-GRADE WITH #3 REBAR. CONCRETE SEALER: TK-26UV
 - LF CONCRETE APPROACH SIMILAR TO DETAIL (2/SPD)
 - BG-1.2 CONCRETE CURB AND GUTTER PER DETAIL 5/SPD.
- FOR LANDSCAPE AREAS. SEE SHEET L1.

- SITE PLAN NOTES AND KEYNOTES**
- OFF-STREET PARKING STALLS
STRIPING - 4" WIDE STALL LINES, USE HIGH VISIBILITY WHITE PAINT.
SPACES PROVIDED
(5) SERVICE POINTS
(4) 9'-0" x 20'-0" (MIN.) GENERAL PARKING
(6) 9'-0" x 20'-0" (MIN.) GENERAL PARKING 55'
(1) 9'-0" x 20'-0" ACCESSIBLE PARKING WITH
(1) MIN. 9'-0" x 20'-0" LOADING ZONE
(2) 11'-0" x 20'-0" AIR SPACE W/ 5' ACCESS LANE
1. A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
 2. 4" WIDE, HIGH VISIBILITY, PAVEMENT STRIPING, LANE MARKINGS AND TEXT. COLOR: HC MARKINGS- BLUE, ALL OTHERS- YELLOW.
 3. REPLACE EXISTING FUEL CANOPY (7'0" X 20')
(3) 3'-6" x 7'-0" CONCRETE ISLANDS W/ 6" EXPOSURE WITH FUEL DISPENSERS. DISPENSER PER OWNER.
 4. 30" HT., 6" DIA. CONCRETE FILLED PIPE BOLLARD PER DETAIL 9/SPD.
 5. 36" HT., 6" DIA. CONCRETE FILLED PIPE BOLLARD PER DETAIL 12/SPD.
 6. HC PVC BOLLARD SLEEVE PER OWNER. VAN ACCESS SIGNAGE AT 48" HT. STALL PARKING AT 60" HT.
 7. TRASH ENCLOSURE BY OWNER.
 8. AIR MACHINE PER OWNER.
 9. SITE AREA LIGHT. SEE DETAIL 6/SPD
 10. STORM STRUCTURE. SEE SHEETS 5P2-5P4 FOR FURTHER STORM SEWER INFORMATION.
A. CATCH BASIN CURB INLET PER DETAIL 1/SPD
B. TRENCH DRAIN PER DETAIL 5/SPD
C. MANHOLE, FRAME AND VENTED COVER PER DETAIL 10/SPD
 11. PICNIC TABLES PER OWNER
 12. 24' x 50' NEW FUEL CANOPY
(2) 3'-6" x 7'-0" CONCRETE ISLANDS W/ 6" EXPOSURE WITH FUEL DISPENSERS. DISPENSER PER OWNER.

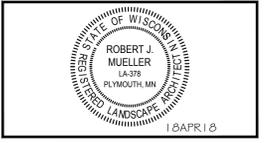
THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AND ANY TIME PER THE RECOMMENDATIONS / PLAN OF TRAFFIC, ENGINEERING AND CITY DEPARTMENTS

NOTE: STOP SIGN SHALL BE INSTALLED AT THE HEIGHT OF SEVEN FEET AT ALL CROSS IN DRIVEWAY APPROACHES



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

INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
Fax 763.383.8400



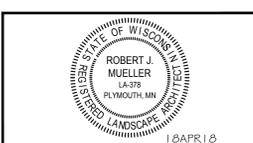
SITE KEYNOTE PLAN	CONVENIENCE STORE 965	2402 W BROADWAY MADISON, WISCONSIN	NO.	DATE	DESCRIPTION
			-	8JUNE18	SUBMITTAL
			-	17JULY18	SUBMITTAL
			-	25JULY18	ADD CANOPY
DRAWN BY			SCALE GRAPHIC		
PROJ. NO.			17965		
DATE			18APR2018		
SHEET			SP1.1		

17:050 PM B.B.



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

INSITES
 SITE PLANNING LANDSCAPE ARCHITECTURE
 3030 Harbor Lane North, STE 131
 Plymouth Minnesota 55447
 763.383.8400
 Fax: 763.383.8400



EROSION CONTROL PLAN
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN

NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY
DRAWN BY:		GRAPHIC
SCALE:		1/8"=1'-0"
PROJ. NO.:		17965
DATE:		18APR2018
SHEET:		SWP1

-ALL SILT FENCE MUST BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE CITY PRIOR TO ANY SITE WORK.

-SITE EROSION CONTROL MEASURES MUST BE IN PLACE AT ALL TIMES. SHOULD DEVICES BE REMOVED FOR WORK ACCESS, THEY SHALL BE REINSTALLED AT THE END OF EACH WORK DAY UNTIL PAVEMENTS HAVE BEEN INSTALLED AND ALL LANDSCAPE AREAS HAVE BEEN MULCHED AND SODDED. SEEDED AREAS MUST EXHIBIT MINIMUM OF 70% SOIL COVERAGE.

-REFER TO THE SWPPP PLAN NOTES AND DETAIL SHEETS SWPPP2-4 FOR MORE INFORMATION.

CONTACT BJORN BERG
 KWIK TRIP, INC
 PO BOX 2107
 LACROSSE, WI 54602
 608-791-4343

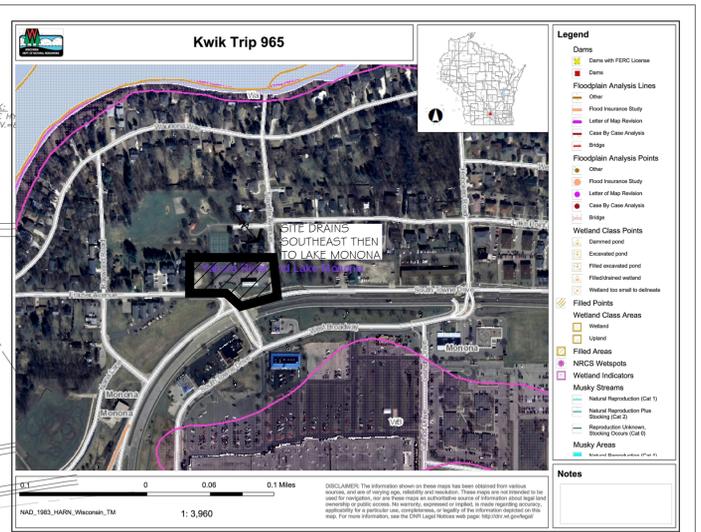
PROJECT DATA
 PROJECT START DATE: AUGUST 2018
 PROJECT COMPLETION DATE: DECEMBER 2018
 SITE AREA DATA: 44,009 SF
 TOTAL SITE AREA: LAKE MONONA
 DOWN-STREAM TRIBUTARY: YAHARA RIVER WATERSHED

CONSTRUCTION SEQUENCE
 *INSTALL EROSION/SEDIMENT CONTROL MEASURES
 *INSTALL STORMWATER MANAGEMENT AND/OR POND/SEDIMENT BASINS
 *INSTALL STORM SEWER
 *INSTALL STRUCTURES
 *INSTALL PAVEMENTS
 *INSTALL LAWN/ LANDSCAPE
 *FLUSH STORM SEWER
 *REMOVE EROSION CONTROL MEASURES ONLY AFTER ALL PAVEMENTS HAVE BEEN INSTALLED AND ALL SOILS HAVE BEEN STABILIZED

Estimated Preliminary Erosion Control Quantities
 (actual quantities subject to change)

Item	Quantity
Rock Construction Entrance	260 sq.yd.
Silt Sack	1 (total structures to protect)
Erosion Control Blanket(basin)	--- sq.yd.
Rip Rap	-- cu. yd.
Silt Fence	447 l.f.
Rock Filtration dikes	-- l.f.
Bio Roll/erosion log	1 @ l.f.

Note: for maintenance purposes contractor shall all sufficient quantities for repair and replacement of erosion control devices throughout all phases of the projects construction.



Soil Loss & Sediment Discharge Calculation Tool
 for use on Construction Sites in the State of Wisconsin
 WDNR Official Version 1.0 (05-15-2015)

Developer: YEAR 1 Kwik Trip #965
 Project: Madison, WI
 Date: 7/31/2018
 County: Dane

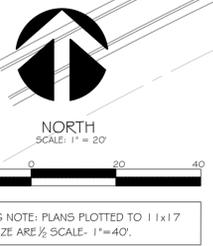
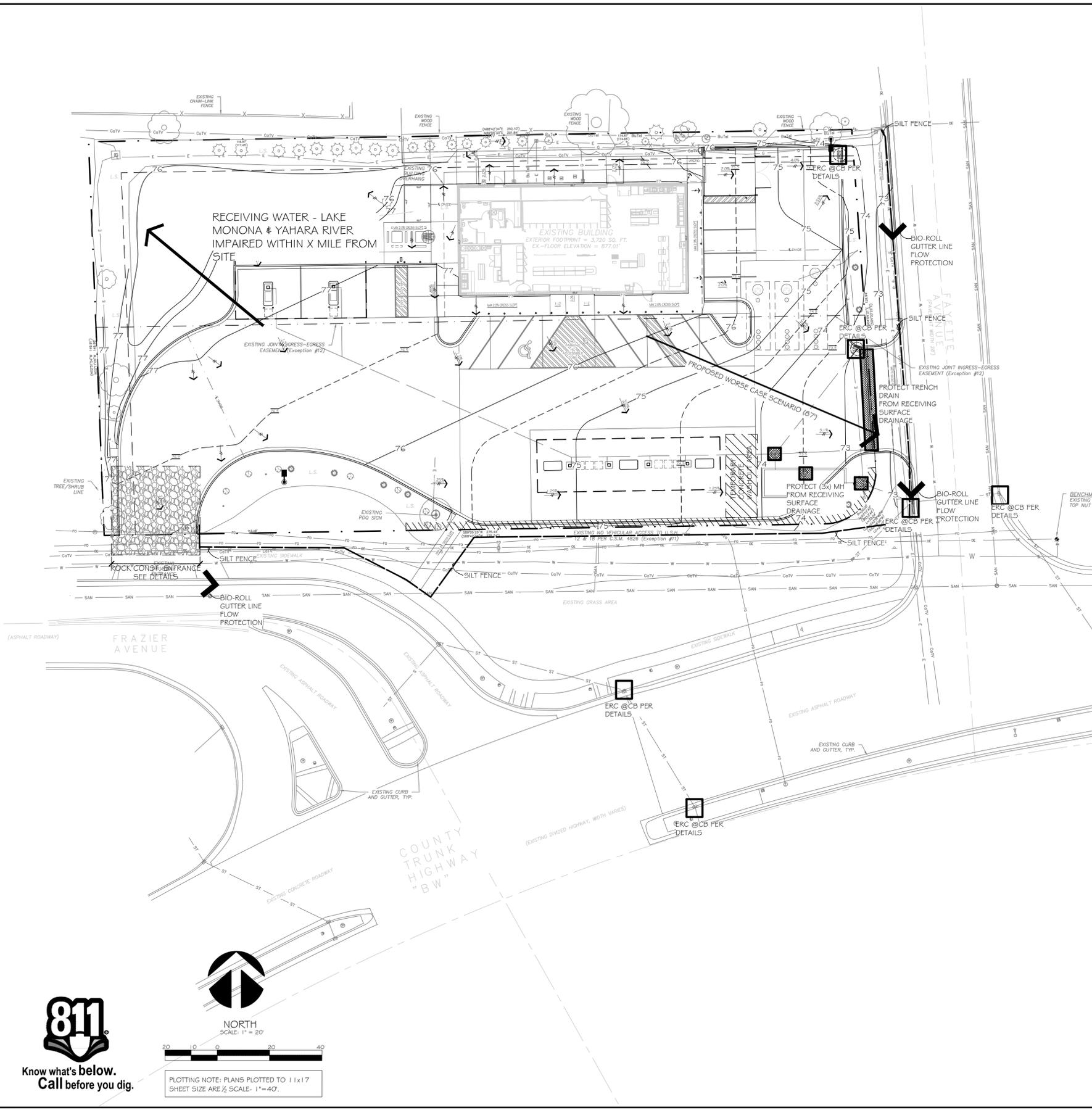
Activity	Begin Date	End Date	Period % R	Annual R Factor	Sub Soil Texture	Soil Erosibility K Factor	Slope (%)	Slope Length (feet)	LS Factor	Land Cover C Factor	Soil loss A (ton/acre)	Sediment Control Practice	Sediment Discharge (tons/acre)
Bare Ground	8/15/2018	9/11/2018	8.0%	150	Silt Loam	0.43	4.0%	95	0.39	1.00	2.0	Silt Fence	1.2
Sod	9/11/2018	11/28/2018	18.8%	150	Silt Loam	0.43	4.0%	95	0.39	0.01	0.0	Vegetative Buffer	0.0
End	11/28/2018						4.0%	95	0.39				0.0
							4.0%	0					0.0
							0.0%	0					0.0
TOTAL												2.1	1.2

Notes:
 See Help Page for further descriptions of variables and items in drop-down boxes.
 The soil loss (sediment) activity on each sheet must be 50%. The 1st after 12 months from the start of construction or final stabilization.
 For periods of construction that exceed 12 months, please demonstrate that 5 tons/acre/year is not exceeded in any given 12 month period.

Recommended Permanent Seeding Dates:
 4/1-6/15 and 8/7-8/29 Turf, introduced grasses and legumes
 7/1-6/30 Native Grasses, forbs, and legumes

Reduction Required: NONE

Designed By: [Signature]
 Date: [Date]



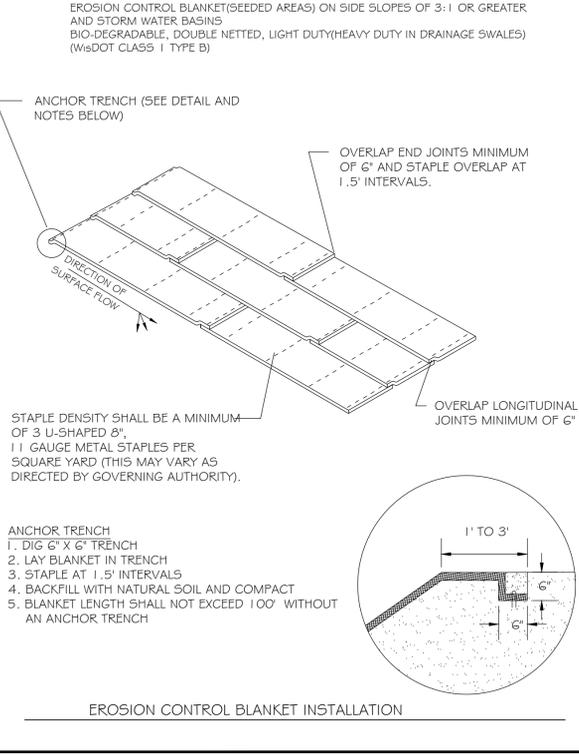
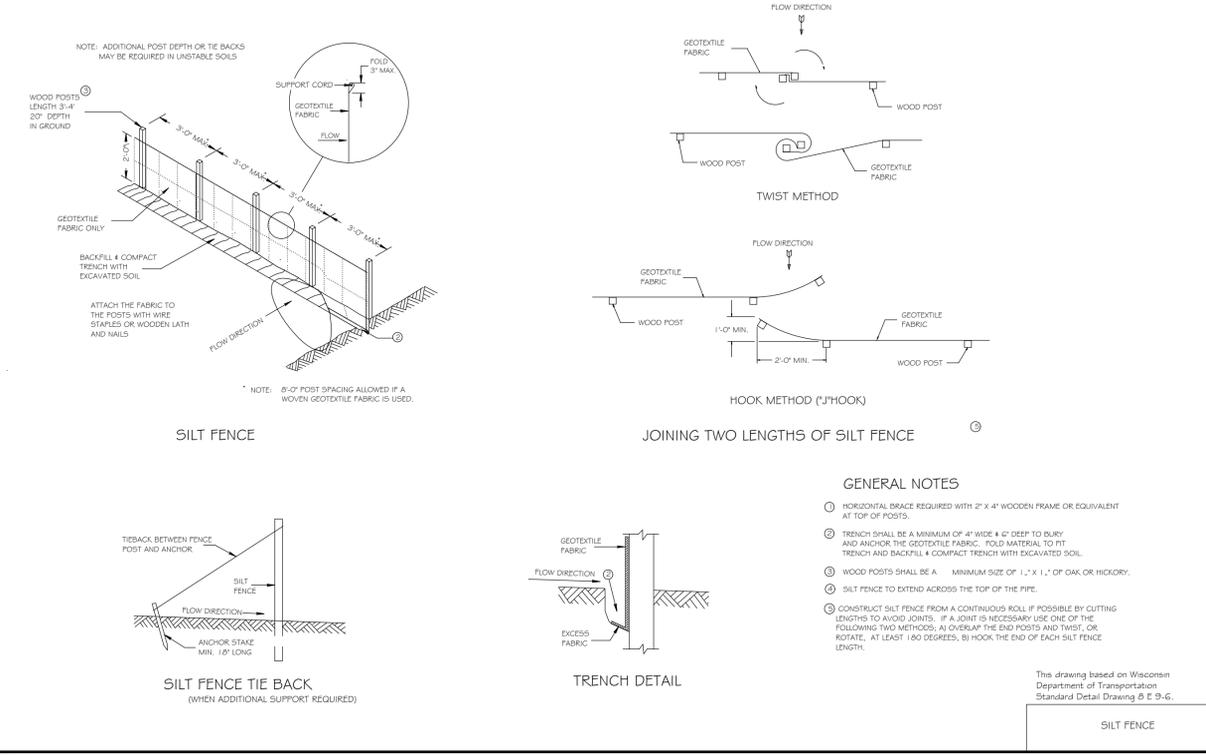
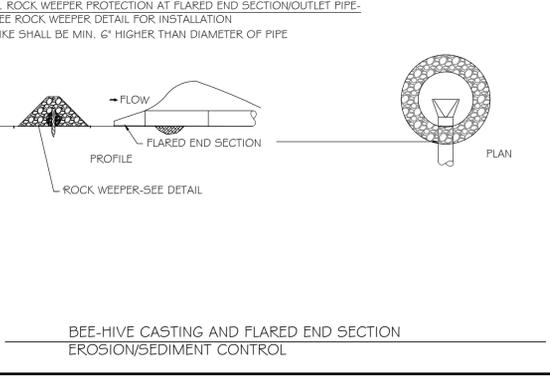
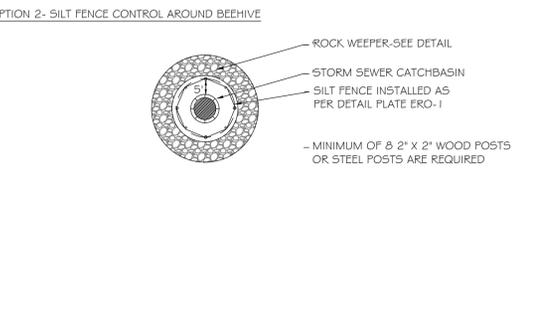
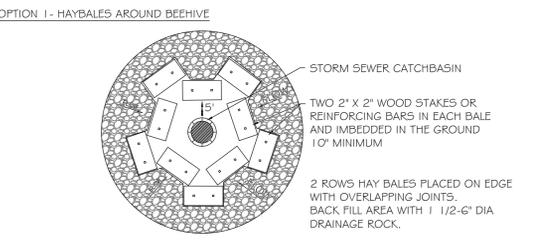
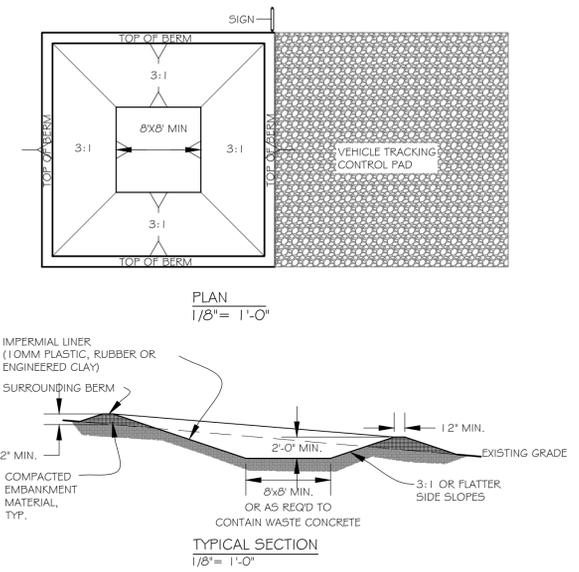
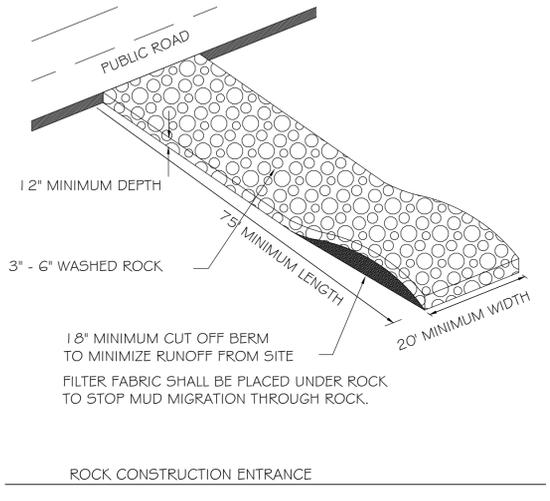
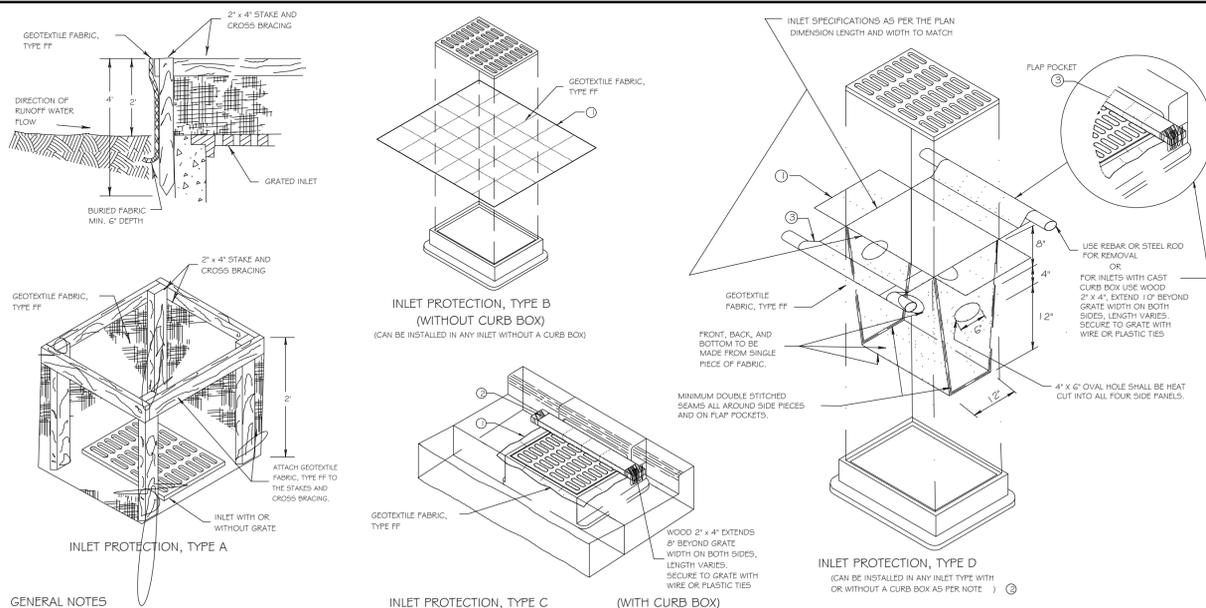
811
 Know what's below.
 Call before you dig.

PLOTTING NOTE: PLANS PLOTTED TO 11x17 SHEET SIZE ARE 1/2" SCALE. 1" = 40'.

17:050 PM B.S.

ALL EROSION CONTROL MEASURES TO BE INSTALLED AND MAINTAINED PER WDNR STANDARDS

<http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm>



Kwik Trip

Kwik Star

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

INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth, Minnesota 55447
763.383.8400
Fax 763.383.8400

STATE OF WISCONSIN
ROBERT J. MUELLER
LANDSCAPE ARCHITECT
18 APR 18

EROSION CONTROL DETAILS

CONVENIENCE STORE 965

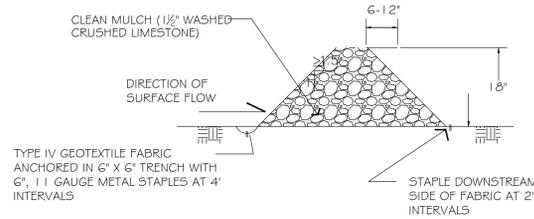
**2402 W BROADWAY
MADISON, WISCONSIN**

NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY

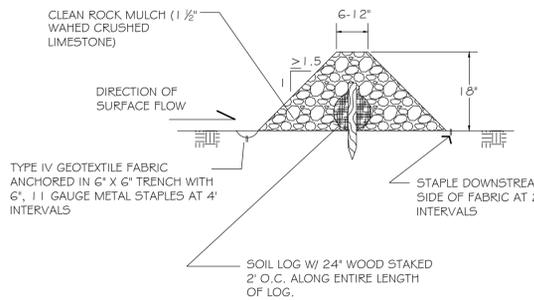
DRAWN BY: _____
SCALE: GRAPHIC
PROJ. NO.: 17965
DATE: 18APR2018
SHEET: **SWP3**

17:050 PM B. B.

I. ROCK WEEPER @ MINIMAL WATER FLOWS



II. BIO WEEPER @ CONCENTRATED FLOWS



DITCH CHECKS, ROCK WEEPERS, & ROCK BIO WEEPERS
EROSION CONTROL

Channel Erosion Mat (CEM)
(1053)

Wisconsin Department of Natural Resources
Conservation Practice Standard

I. Definition

A protective soil cover of straw, wood, coconut fiber or other suitable plant residue, or plastic fibers formed into a mat, usually with a plastic or biodegradable mesh on one or both sides. Erosion mats are rolled products available in many varieties and combinations of materials and with varying life spans.

II. Purpose

The purpose of this practice is to protect the channel from erosion or act as soil reinforcement during and after the establishment of grass or other vegetation in a channel. This practice applies to both Erosion Control Revegetative Mats (ECRM) and Turf-Reinforcement Mats (TRM).

III. Conditions Where Practice Applies

This standard applies where runoff channels in intermittent flow and vegetation is to be established. Some products may have limited applicability in projects adjacent to navigable waters.

IV. Federal, State, and Local Laws

Users of this standard shall be aware of applicable federal, state, and local laws, rules, regulations, or permit requirements governing the use and placement of erosion mat. This standard does not contain the text of federal, state, or local laws.

V. Criteria

This section establishes the minimum standards for design, installation and performance requirements. To complete the shear calculations, a 2 year, 24 hour storm event shall be used to calculate depth of flows for an ECRM. For using a TRM, use the depth of flow corresponding to the maximum design capacity of the channel.

Only mats listed in the Wisconsin Department of Transportation (WisDOT) Erosion Control Product Acceptability List (PAL) will be accepted for use in this standard.

To differentiate applications WisDOT organizes erosion mats into three classes of mats, which are further broken down into various Types.

Class I. A short-term duration (minimum of 6 months), light duty, organic ECRM with plastic or biodegradable setting.

Type A - Only suitable for slope applications, not channel applications.

Type B - Double netted product for use in channels where the calculated (design) shear stress is 1.5 lbs/ft² or less.

Class II. A long-term duration (three years or greater), organic ECRM.

Type A - Jute fiber only for use in channels to reinforce soil.

Type B - For use in channels where the calculated (design) shear stress is 2.0 lbs/ft² or less. Made with plastic or biodegradable mat.

Type C - A woven mat of 100% organic material for use in channels where the calculated (design) shear stress is 2.0 lbs/ft² or less. Applicable

for use in environmentally sensitive areas where plastic netting is inappropriate.

Class III. A permanent 100% synthetic ECRM or TRM. Class I, Type B erosion mat or Class II, Type B or C erosion mat must be placed over a soil filled TRM.

Type A - An ECRM for use in channels where the calculated (design) shear stress of 2.0 lbs/ft² or less.

Type B - A TRM for use in channels where the calculated (design) shear stress of 2.0 lbs/ft² or less.

Type C - A TRM for use in channels where the calculated (design) shear stress of 2.0 lbs/ft² or less.

Type D - A TRM for use in channels where the calculated (design) shear stress of 5.0 lbs/ft² or less.

D. Installation

1. ECRM shall be installed after all topsoiling, fertilizing, liming, and seeding is complete.

2. Erosion mats shall extend for whichever is greater: upslope one-foot minimum vertically from the ditch bottom or 6 inches higher than the design flow depth.

3. The mat shall be in firm and continuous contact with the soil. It shall be anchored, overlapped, staked and unanchored per the manufacturer's recommendations.

4. TRM shall be installed in conjunction with the topsoiling operation and shall be followed by ECRM installation.

5. At time of installation, document the manufacturer and mat type by saving material labels and manufacturer's installation instructions. Retain this documentation until the site is stabilized.

VI. Considerations

A. Erosion mats shall be selected so that they last long enough for the grass or other vegetation to become densely established.

B. Consider using Class II, Type C mats adjacent to waterways where trapping small animals is to be avoided.

C. Class III TRM may be appropriate as a replacement for riprap as a channel liner. Check the shear stress criteria for the channel to determine mat applicability.

D. Once a gully has formed in a channel, it is difficult to stabilize due to loss of soil structure. Even when the gully is filled with topsoil and reseeded, the soil has a tendency to dislodge in the same pattern. If gully formation continues to be a problem the design should be reevaluated, including other mat classes or riprap.

E. It may be difficult to establish permanent vegetation and adequate erosion protection in a channel with continuous flow. Consider riprap or planting wetland species with an ECRM.

F. Documentation of materials used, monitoring logs, project diary, and weekly inspection forms including erosion and stormwater management plans, should be provided to the authority charged with long term maintenance of the site.

G. Channel cross sections may be parabolic, v-shaped or trapezoidal. The use of "V" channels is generally discouraged due to erosion problems experienced.

H. To help determine the appropriate channel liner, designers can refer to the WisDOT PAL. However, for channels not conforming to the typical section shown in the channel matrix or having a depth of flow greater than 6 inches (150 mm), the designer will need to design

for an appropriate channel liner. One way to do this is to use the "tractive force" method presented in FHWA's Hydraulic Engineering Circular (HEC) No. 15. This method requires that the calculated maximum shear stress of a channel is not to exceed the permissible shear stress of the channel liner. To use this method, permissible shear stress values are listed next to each device listed in the channel matrix.

VII. Plans and Specifications

A. Plans and specifications for installing erosion mat shall be in keeping with this standard and shall describe the requirements for applying the practice to achieve its intended purpose. The plans and specifications shall address the following:

1. Location of erosion mat
2. Installation sequence
3. Material specifications conforming to standard

B. All plans, standard detail drawings, or specifications shall include schedule for installation, inspection, and maintenance. The responsible party shall be identified.

VIII. Operation and Maintenance

A. Erosion mats shall at a minimum be inspected weekly and within 24 hours after every precipitation event that produces 0.5 inches of rain or more during a 24-hour period.

B. If there are signs of rilling under the mat, install more staples or more frequent anchoring trenches. If rilling becomes severe enough to prevent establishment of vegetation, remove the section of mat where the damage has occurred. Fill the eroded area with topsoil, compact, reseed and replace the section of mat, trenching and overlapping ends per manufacturer's recommendations. Additional staking is recommended near where rilling was filled.

C. If the reinforcing plastic netting has separated from the mat, remove the plastic and if necessary replace the mat.

D. Maintenance shall be completed as soon as possible with consideration to site conditions.

D. References

WisDOT "Erosion Control Product Acceptability List" is available online at <http://www.dot.wisconsin.gov/business/engserv/pal.htm>.

X. Definitions

Channel Erosion: The deepening and widening of a channel due to soil loss caused by flowing water. As rills become larger and flows begin to concentrate, soil detachment occurs primarily as a result of shear.

Erosion Control Revegetative Mats (ECRM) (I): Erosion control revegetative mats are designed to be placed on top of soil.

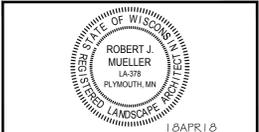
Turf-Reinforcement Mats (TRM) (II): Turf-reinforcement mats are permanent devices constructed from various types of synthetic materials and buried below the surface to help stabilize the soil. TRMs must be used in conjunction with an ECRM or an approved soil stabilizer Type A (as classified in the WisDOT PAL).

Kwik TRIP

Kwik STAR

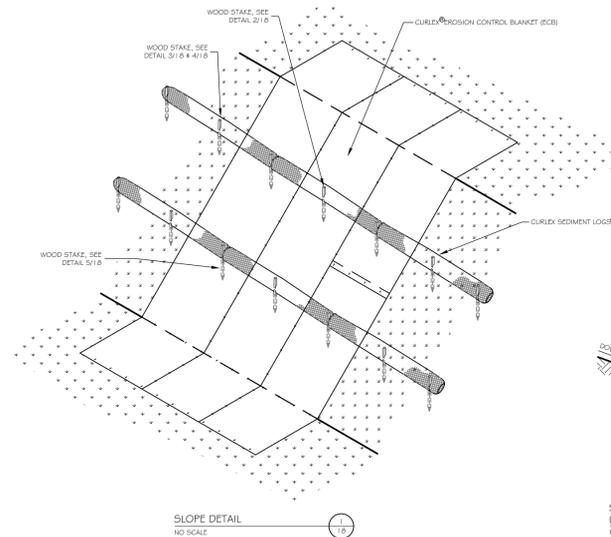
KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LACROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960

INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
fax 763.383.8400

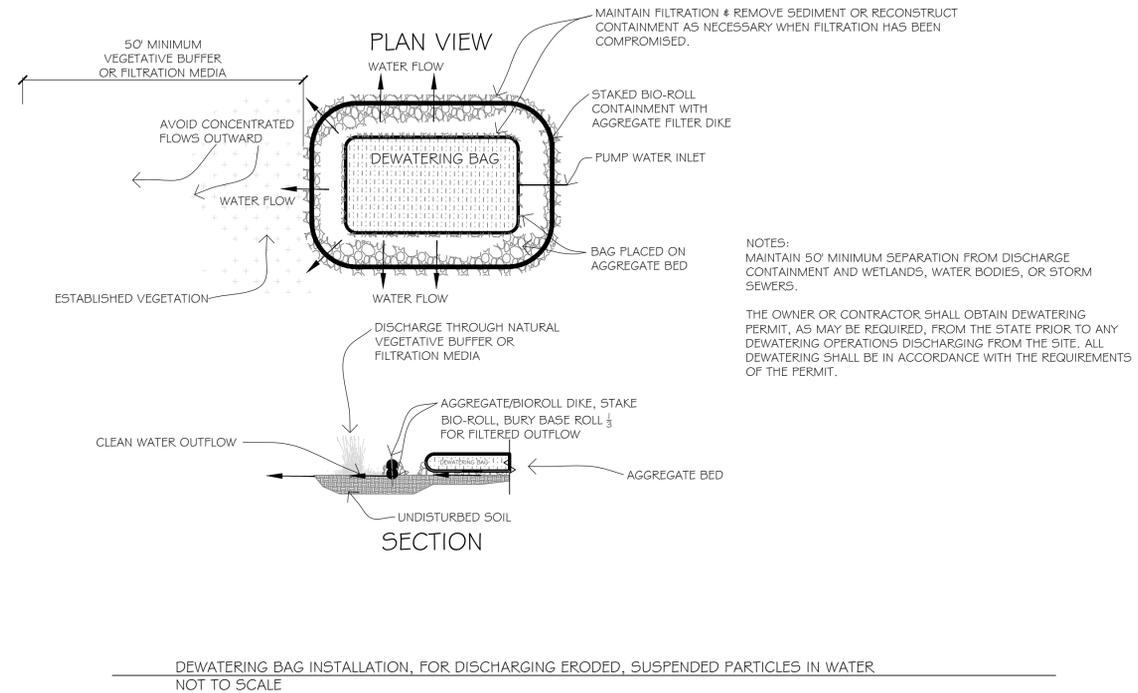
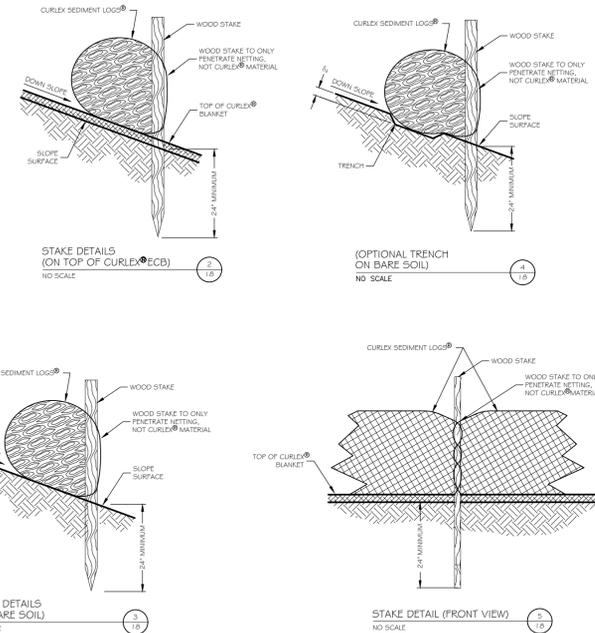


NOTE: SEDIMENT LOGS SHALL BE "CURLEX" BY AMERICAN EXCELSIOR COMPANY

www.americanexcelsior.com/erosioncontrol/
OR APPROVED EQUAL



BIO ROLL INSTALLATION ("LOG WEEPERS")
EROSION CONTROL



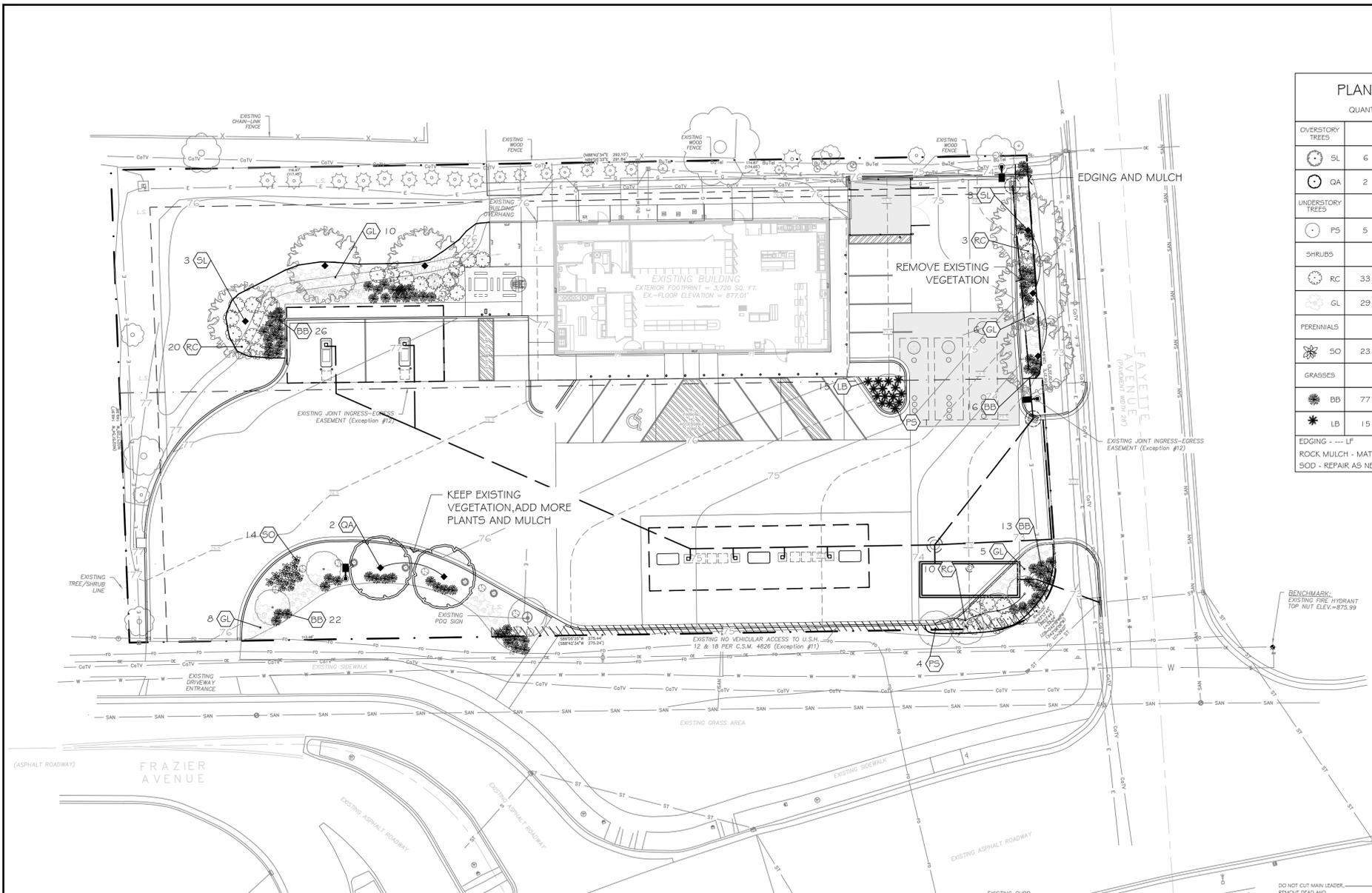
DEWATERING BAG INSTALLATION, FOR DISCHARGING ERODED, SUSPENDED PARTICLES IN WATER
NOT TO SCALE

EROSION CONTROL DETAILS
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN

NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY

DRAWN BY
SCALE GRAPHIC
PROJ. NO. 17965
DATE 18APR2018
SHEET **SWP4**

17:050 PM B.B.



PLANT MATERIAL					HEIGHT X WIDTH
QUANTITY	SIZE	ROOT TYPE	COMMON NAME BOTANICAL NAME		
OVERSTORY TREES					
SL	6	2.5" CAL.	B4B SKYLINE HONEYLOCUST <i>Gleditsia tricanthos</i> var. <i>inermis</i> 'Skycole'		50' x 30'
QA	2	10' HT	B4B QUAKING ASPEN <i>Populus tremuloides</i>		50' x 25'
UNDERSTORY TREES					
PS	5	2" CAL.	B4B PINK SPIRES CRAB <i>Malus 'Pink Spires'</i>		15' x 12'
SHRUBS					
RC	33	#3 CONT	pot BRILLIANTISSIMA RED CHOKEBERRY <i>Aronia arbutifolia</i> 'Brilliantissima'		5' x 5'
GL	29	#3 CONT	pot GRO-LOW FRAGRANT SUMAC <i>Rhus aromatica</i> 'Gro-Low'		2' x 7'
PERENNIALS					
SO	23	#1 CONT	pot STELLA DE ORO DAYLILY <i>Heimerocallis</i> 'Stella de Oro'		2' x 3'
GRASSES					
BB	77	#1 CONT	pot BIG BLUESTEM <i>Andropogon gerardii</i>		5' x 6'
LB	15	#1 CONT	pot LITTLE BLUE STEM <i>Schizachyrium scoparium</i>		4' x 3'

EDGING - --- LF
ROCK MULCH - MATCH EXISTING, AS NEEDED
SOD - REPAIR AS NEEDED

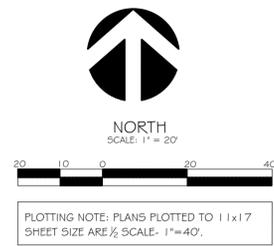
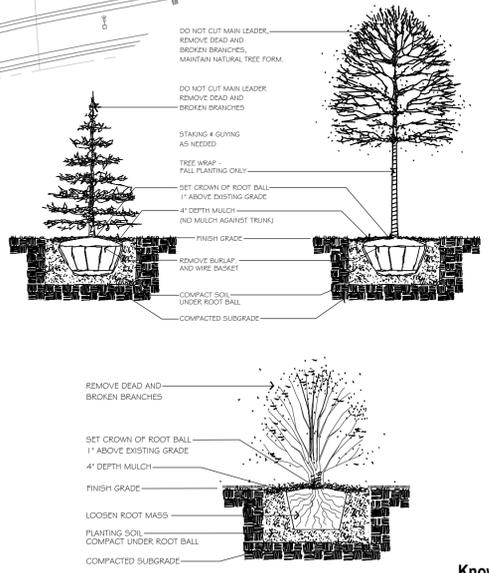
- NOTES:**
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR PLANTING IN ALL R.O.W.
 - LANDSCAPE CONTRACTOR SHALL VERIFY ALL UTILITIES WHICH MAY AFFECT HIS WORK.
 - LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHERS AT SITE AND COMPLETE HIS WORK PER OWNERS CONSTRUCTION SCHEDULE.
 - ALL PLANT MATERIALS SHALL BE GUARANTEED ONE (1) FULL YEAR UPON TOTAL COMPLETION AND ACCEPTANCE BY OWNER, WITH ONE TIME REPLACEMENT AT APPROPRIATE TIME OR UPON REQUEST OF OWNER.
 - REPLACEMENT TOPSOIL SHALL BE CLEAN, FREE OF STONES, WEEDS, AND OTHER UNDESIRABLE DEBRIS.
 - PLANTING SOIL MIX (INCIDENTAL COST ITEM)
 - 1. MIX 1 LB. 5-20-20 COMMERCIAL FERTILIZER PER CU. YD. TOPSOIL
 - 2. THOROUGHLY MIX 1-PART SAND AND 1-PART PEAT MOSS WITH 5-PARTS FERTILIZER AND TOP SOIL.
 - USE PLANTING SOIL AT ALL LOCATIONS PER DETAILS THIS SHEET.
 - LANDSCAPE CONTRACTOR SHALL VERIFY TOPSOIL DEPTH AND NOTIFY OWNER OF ANY DEFICIENCY.
 - SOD SHALL BE CULTURED WITH PREDOMINATELY KENTUCKY BLUEGRASS SEED OF RECENT DISEASE RESISTANT INTRODUCTIONS. NO GUARANTEE ON SOD EXCEPT ANY SOD NOT SATISFACTORY AT TIME OF COMPLETION INSPECTION SHALL BE PROMPTLY REPLACED PRIOR TO COMPLETION OF JOB. STAKE SOD ON SLOPES 3:1 AND GREATER.
 - WHERE EXISTING CONCRETE/ ASPHALT AREAS ARE TO BE REPLACED WITH LANDSCAPING, PROVISIONS SHOULD BE TAKEN TO COORDINATE EXCAVATION OF SUBSOIL TO A DEPTH OF 2' WITH GRADING CONTRACTOR. REPLACE WITH COMPACTED TOPSOIL. ALL AREAS TO BE LANDSCAPED AND SODDED SHALL BE GRADED SMOOTH AND EVEN.
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR SODDING ALL AREAS WHICH ARE DISTURBED BY CONSTRUCTION INCLUDING ALL R.O.W. AND ADJACENT PROPERTIES.
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BLANKET ON ALL SEEDED AREAS THAT ARE SLOPED. MULCH APPLICATION FOR ALL OTHER SEEDED AREAS SHALL BE EITHER HYDROMULCH OR DISKED STRAW DEPENDING ON SEED TYPE, APPLICATION, AND OWNER REQUEST.
 - LANDSCAPE CONTRACTOR TO INSTALL 'VALLEY VIEW', 'BLACK DIAMOND' EDGING AROUND ALL PLANTING BEDS AS SHOWN ON THIS PLAN.
 - ALL MULCH TO BE FINELY SHREDDED HARDWOOD ORGANIC BARK MULCH. NO DYED MULCHES. INSTALL 4" DEPTH. NO FILTER FABRIC BENEATH ORGANIC MULCHES. NO EDGING AROUND ALL TREES OUTSIDE SHRUB BEDS.
 - IF SPECIFIED; ALL GRAVEL MULCH SHALL BE 1" DIA. WASHED 'RIVER ROCK'. INSTALL 4" DEPTH WITH APPROVED WEED FABRIC BARRIER IF INDICATED PLAN.
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR IRRIGATION SYSTEM INSTALLATION PER SHEET 11. DESIGN SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION. IRRIGATION DESIGN SHOULD ENCOMPASS ALL LANDSCAPE AREAS WITH SOD AND/OR PLANTINGS, FROM CURB TO CURB. R.O.W. SHOULD BE IRRIGATED FROM SPRINKLER HEADS LOCATED WITHIN PROPERTY BOUNDARY. CARE SHOULD BE TAKEN IN VICINITY OF ALL WALKS AND DRIVES TO MINIMIZE OVER SPRAY. COORDINATE INSTALLATION OF ALL PVC SLEEVE UNDER DRIVE AREAS WITH GENERAL CONTRACTOR.
 - LANDSCAPE CONTRACTOR SHALL CLEAN ALL PAVEMENT AREAS AFTER ALL LANDSCAPE INSTALLATION IS COMPLETE AND ACCEPTED BY OWNER AND DAILY AS DEEMED NECESSARY BY THE CITY.
 - GENERAL CONTRACTOR TO SWEEP PAVEMENT AREAS PRIOR TO TURN OVER TO OWNER.

LANDSCAPE REQUIREMENTS:

-25,997 SF IMPERVIOUS / 300" 5" = 434 PTS REQUIRED

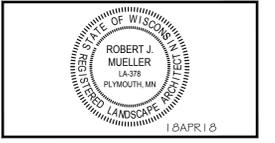
-OVERSTORY TREE 5' 35 = 175
-ORNAMENTAL TREE 5' 15 = 75
-DECIDUOUS SHRUB 45' 3 = 135
-PERENNIAL/GRASS 94' 2 = 188

(5" TOTAL PTS = 573



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

INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
Fax 763.383.8400



LANDSCAPE PLAN

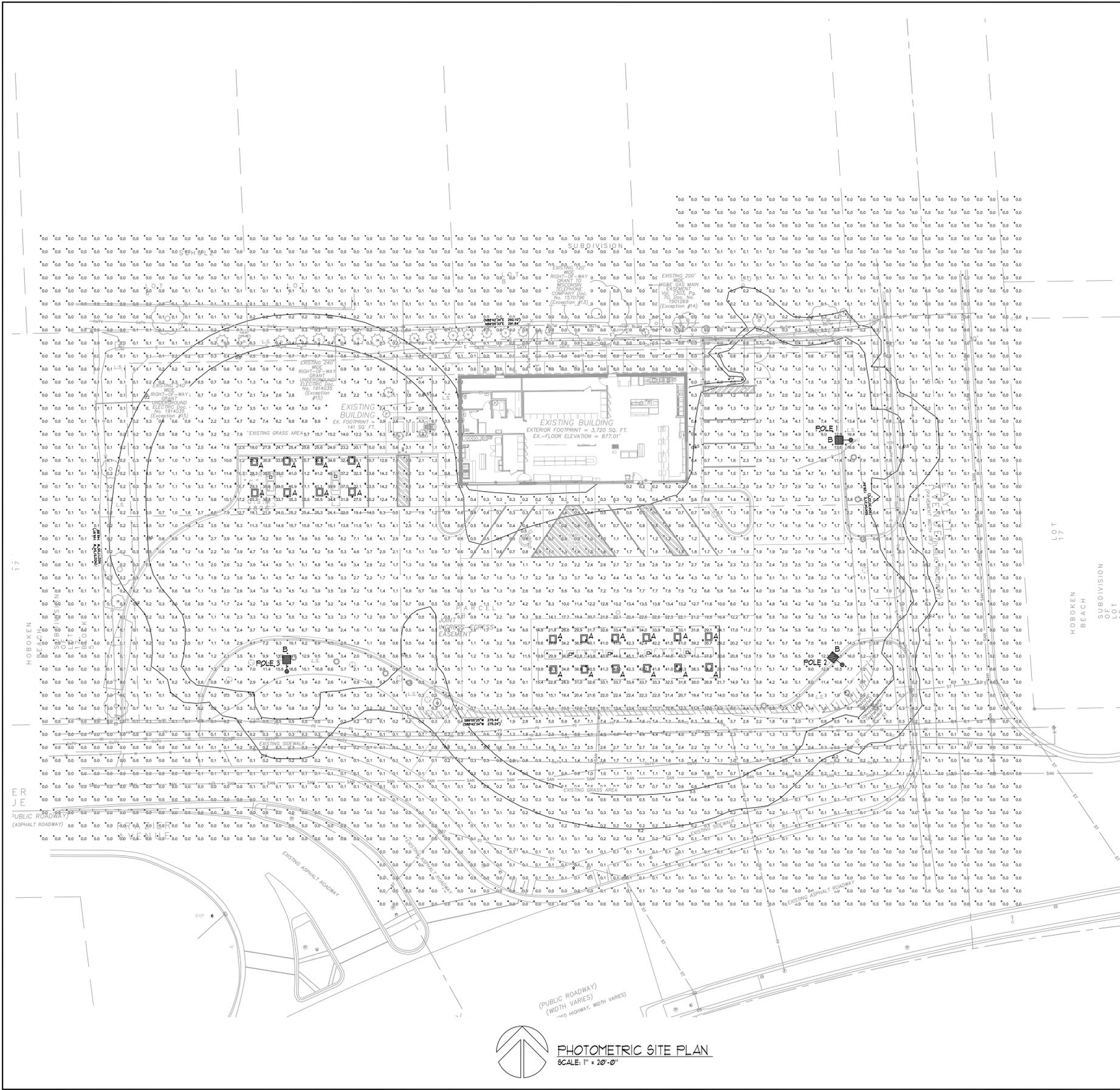
CONVENIENCE STORE 965

**2402 W BROADWAY
MADISON, WISCONSIN**

NO.	DATE	DESCRIPTION
-	08JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY

DRAWN BY _____
SCALE _____ GRAPHIC
PROJ. NO. _____ 17965
DATE _____ 18APR2018
SHEET _____ **L1**

17:050 PM B.B.



FIXTURE SYMBOLS:

- A LED UNDER FUEL CANOPIES
- B LED POLE MOUNTED FIXTURE

FIXTURE TYPES:

- A - LSI LIGHTING: CRUS-SC-LED-S9-50-WHITE
THIS FIXTURE MUST BE ORDERED WITH DIMMING CAPABILITY SO IT CAN BE DIMMED TO 50 FOOTCANDLES UNDER THE CONTROL OF CFC.
- B - LSI LIGHTING: XLC5-FI-LED-HO-CU-WH-WHITE

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
MAIN GAS CANOPY		35.7 fc	45.1 fc	21.7 fc	2.1:1	1.6:1
GAS AND PARK CANOPY		28.6 fc	41.2 fc	12.5 fc	3.3:1	2.3:1

NOTES:

1. FOOTCANDLES ON THIS PLAN ARE MEASURED AT GRADE. CALCULATIONS DO NOT INCLUDE CONTRIBUTION FROM EXISTING LIGHTING FROM CONVENIENCE STORE BUILDING.
2. LIGHTS UNDER GAS CANOPY WILL BE PUT ON A DIMMER CIRCUIT AND DIMMED DOWN TO A MAXIMUM OF 50 FOOTCANDLES.

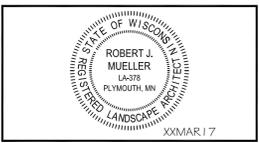
PHOTOMETRIC SITE PLAN
SCALE: 1" = 20'-0"

0806
CZARNECKI ENGINEERING INCORPORATED
101 MARLIN COURT, SUITE B - WILKESHA, WI 53166
VOICE: (262) 915-2070 FAX: (262) 915-2073
WEB PAGE: www.cze.com



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

INSITES
SITE PLANNING LANDSCAPE #1
3030 HARGHESCURE ONE NO
PLYMOUTH, MINNESOTA
55447
763.383.8400
TEL: 763.383.8440



PHOTOMETRIC SITE PLAN
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN

NO.	DATE	DESCRIPTION

DRAWN BY: CZE
SCALE: GRAPHIC
PROJ. NO.: 17965
DATE: 13MAR2016
SHEET: **E1**



EXISTING STORE ELEVATION

SCALE: 1/8" = 1'-0"



EXISTING STORE ELEVATION

SCALE: 1/8" = 1'-0"

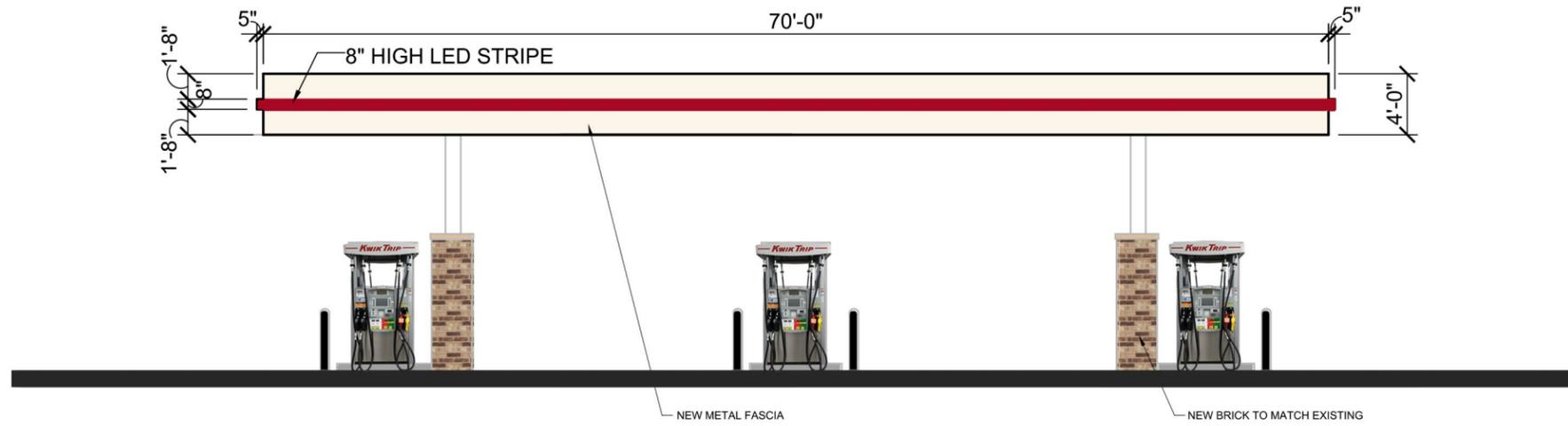


KWIK TRIP, Inc.
 P.O. BOX 2107
 1626 OAK STREET
 LA CROSSE, WI 54602-2107
 PH. (608) 781-8988
 FAX (608) 781-8960

CONVENIENCE STORE SIGNAGE
 CONVENIENCE STORE #965
 2402 W BROADWAY
 MADISON, WI

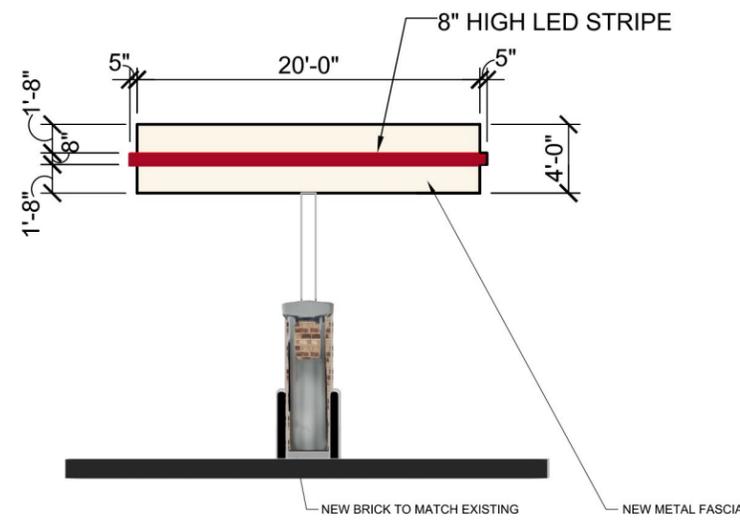
#	DATE	DESCRIPTION

DRAWN BY: KMK
 SCALE: MULTIPLE
 PROJ. NO.: 0001
 DATE: 2018-08-09
 SHEET: CS1



CANOPY ELEVATION

SCALE: 3/32" = 1'-0"



CANOPY ELEVATION

SCALE: 3/32" = 1'-0"

**KWIK
TRIP**

**KWIK
STAR**

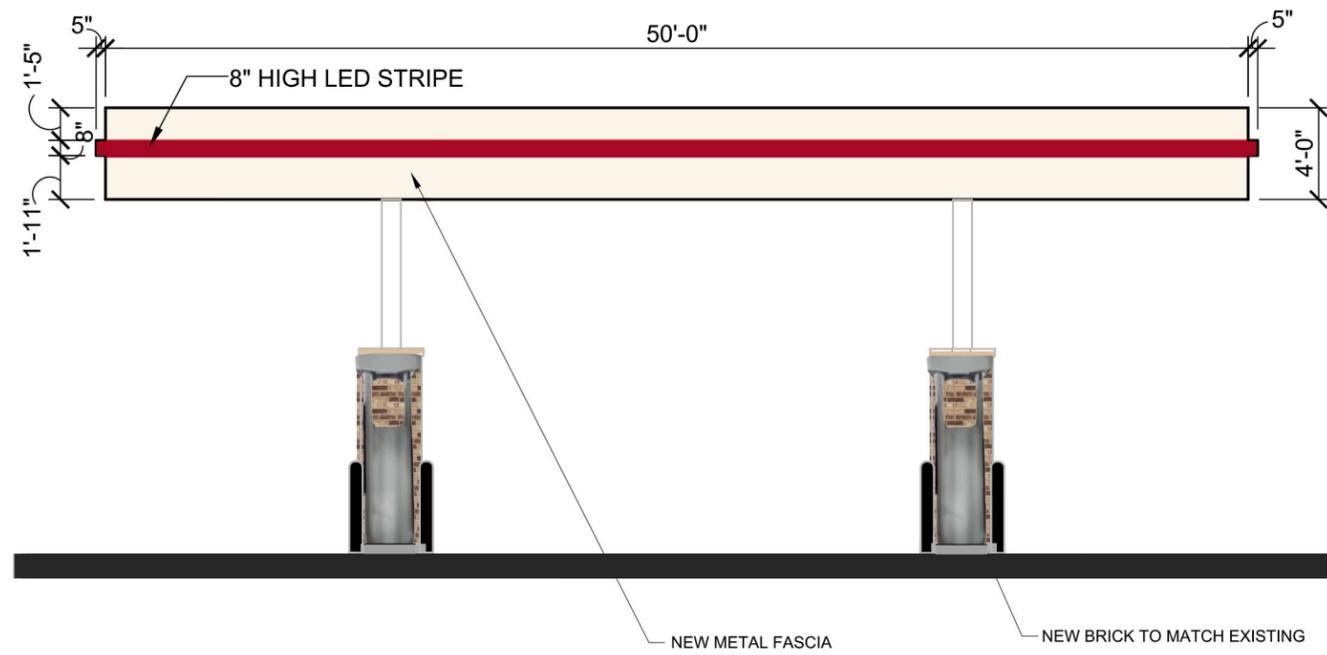
KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960

CANOPY SIGNAGE

CONVENIENCE STORE #965

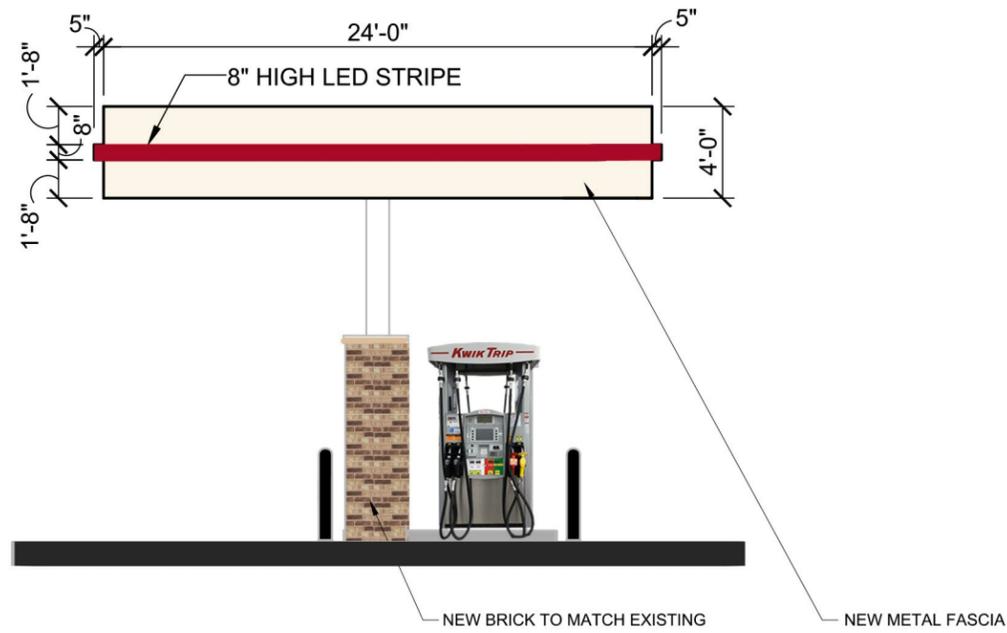
2402 W BROADWAY
MADISON, WI

#	DATE	DESCRIPTION
DRAWN BY		KMK
SCALE		MULTIPLE
PROJ. NO.		0001
DATE		2018-08-09
SHEET		CA2



CANOPY ELEVATION

SCALE: 1/8" = 1'-0"



CANOPY ELEVATION

SCALE: 1/8" = 1'-0"

**Kwik
TRIP**

**Kwik
STAR**

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

CANOPY SIGNAGE

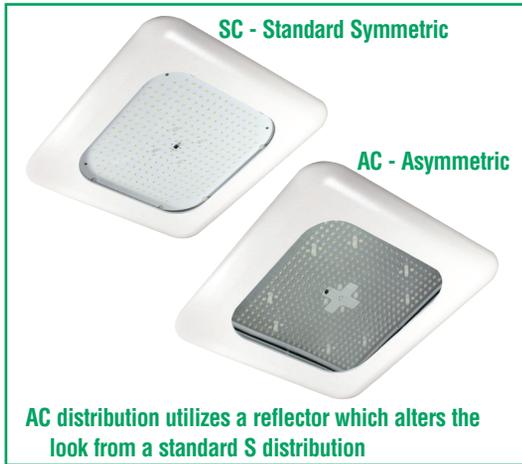
CONVENIENCE STORE #965

2402 W BROADWAY
MADISON, WI

#	DATE	DESCRIPTION

DRAWN BY: KMK
SCALE: MULTIPLE
PROJ. NO.: 0001
DATE: 2018-08-09
SHEET: CA4

LED CANOPY LIGHT - LEGACY™ (CRUS)



DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

US & Int'l. patents pending.

HOUSING - Low profile, durable die-cast, aluminum construction, providing a reliable weather-tight seal.

LEDS - Features an array of select, mid-power, high brightness, high efficiency LED chips; 5000K color temperature, 70 CRI (nominal).

DRIVE CURRENT - Choice of Very Low Wattage (VLW), Low Wattage (LW), Super Saver (SS), High Output (HO) or Very High Output (VHO).

OPTICS / DISTRIBUTION - Choice of Symmetrical or Asymmetrical, which directs light through a clear tempered glass lens, to provide a uniform distribution of light to vertical and horizontal surfaces.

OPTICAL UNIT - Features an ultra-slim 7/8" profile die-cast housing, with a flat glass lens. Unit is water-resistant, sealed to an IP67 rating. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.

PRESSURE STABILIZING VENT - Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

HAZARDOUS LOCATION - Designed for lighter than air fuel applications. Product is suitable for Class 1 Division 2 only when properly installed per LSI installation instructions (consult factory).

DRIVER - State-of-the-art driver technology superior energy efficiency and optimum light output. Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards. 0-10 V dimming supplied standard with all drive currents.

DRIVER HOUSING - Die-cast aluminum, wet location rated driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and contributes to attaining the lowest operating temperatures available. Seals to optical housing via one-piece molded silicone gasket.

OPERATING TEMPERATURE - -40°C to 50°C (-40°F to +122°F)

ELECTRICAL - Universal voltage power supply, 120-277 VAC, 50/60 HZ input. Drivers feature two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C.

FINISH - Standard color is white and is finished with LSI's DuraGrip® polyester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.

INSTALLATION - One person installation. No additional sealant required. Installs in a 12" or 16" deck pan. Deck penetration consists of a 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SC/ECTA without having to relocate the conduit. Retro panels are available for existing Encores (see back page) as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck.

SHIPPING WEIGHT - 27 pounds (single pack), 48 pounds (double pack).

EXPECTED LIFE - Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

WARRANTY - Limited 5-year warranty.

LISTING - UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

Consult Factory

Class 1, Division 2 – Available on LW and SS

T5 Temperature Classification – The surface temperature of this product will not rise above 100°C., within a 40°C ambient.

Gas Groups A,B,C, and D – Group A: Acetylene / Group B: Hydrogen / Group C: Propane and Ethylene / Group D: Benzene, Butane, Methane & Propane.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



IP67



Project Name _____ Fixture Type _____
Catalog # _____

08/28/17

© 2017
LSI INDUSTRIES INC.

LED CANOPY LIGHT - LEGACY™ (CRUS)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **CRUS SC LED HO 50 UE WHT**

Prefix	Distribution ¹	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Options
CRUS	SC - Standard Symmetric AC - Asymmetric	LED	VLW - Very Low Watt LW - Low Watt SS - Super Saver HO - High Output VHO - Very High Output	50 - 5000K	UE - Universal Voltage (120-277V) 347 - 480V	WHT - White BRZ - Bronze BLK - Black	HL - Hazardous location available on LW and SS

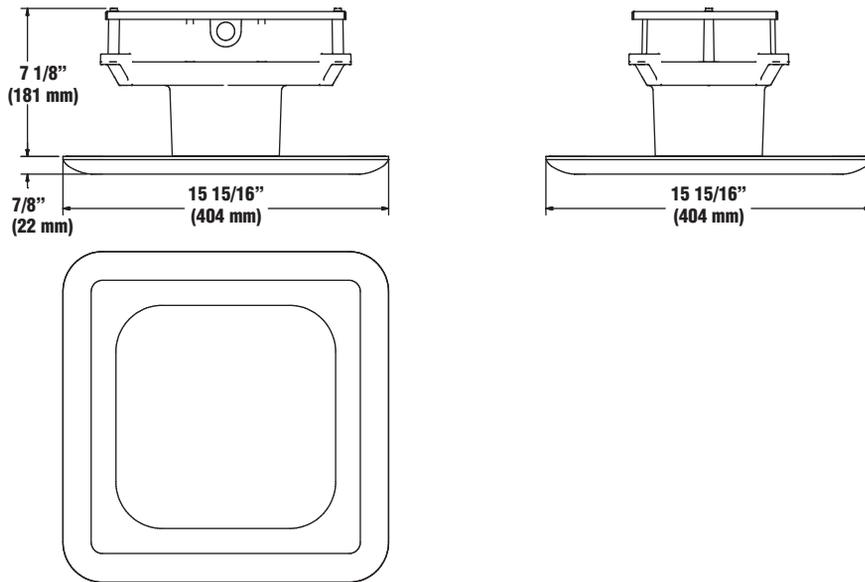
FOOTNOTES:

1- AC distribution utilizes a reflector which alters the look from a standard S distribution.

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	Order Number
Retrofit Panels - EC / ECTA / SCF to CRU, for 16" Deck Panel	525946	Kit - Hole Plugs and Silicone (enough for 25 retrofits) ¹	1320540
Retrofit Panels - ECTA / SCF to CRU, for 12" Deck Panel	530281	1- Consists of (25) 7/8" hole plugs and (1) 10.3 oz tube of RTV	
Retrofit 2x2 Cover Panel Blank (no holes)	357282		
Retrofit RIC Cover Panel Blank (no holes)	354702		

DIMENSIONS



LIGHT OUTPUT - CRUS

		Lumens		Watts SC/AC	LPW	
		SC	AC		SC	AC
Cool White	VLW - Very Low Watt	9055	7632	61	148	125
	LW - Low Watt	10525	8884	74	142	120
	SS - Super Saver	13674	11595	98	140	118
	HO - High Output	18633	15145	132	141	115
	VHO - Very High Output	22418	17262	159	141	109



Project Name _____ Fixture Type _____
Catalog # _____

08/28/17
© 2017
LSI INDUSTRIES INC.

LED AREA LIGHTS - LSI SLICE SMALL (XLCS)



DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIGHT OUTPUT - XLCS							
		Lumens (Nominal)					Watts (Nominal)
		Type 3	Type FT	Type 5	Type5E	TypeFTE	
Cool White	SS	10100	11400	11400	8200	7800	97
	HO	14000	15500	15700	11600	10600	140
Neutral White	SS	9700	10400	10800	7900	7500	97
	HO	13400	14700	15200	11000	10500	140

LED Chips are frequently updated therefore values may increase.

US & Int'l. patents pending

SMARTTEC™ - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.

ENERGY SAVING CONTROL OPTION - DIM - 0-10 volt dimming enabled with controls by others.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in Cool White (5000K), or Neutral White (4000K) color temperature, 70 CRI.

DISTRIBUTION/PERFORMANCE - Types 3, FT, 5 and enhanced 5E and FTE. Exceptional uniformity creates bright environment at lower light levels. Internal Louver (IL) option available for improved backlight control without sacrificing street side performance for FT distribution.

HOUSING - One-piece, die-formed aluminum housing contains factory prewired driver. Wiring access door (with safety lanyard) located underneath.

OPTICAL UNIT - Clear tempered flat glass lens permanently sealed to weather-tight aluminum optic frame creates an IP65 rated optical unit (includes pressure-stabilizing breather).

MOUNTING - Tapered rear design allows fixtures to be mounted in 90° and 120° configurations without the need for extension arms. Use with 3" reduced drilling pattern. A round pole plate is required for mounting to round poles. Wall mount available by ordering wall mounting bracket (BKS-XBO-WM-* -CLR). Proprietary pole quick mount accessories available with horizontal mounting or fixed 15° angled mounting (PQMH-KIT-CLR and PQM15-KIT-CLR) for mounting to square poles. See Accessory Ordering Information chart for all brackets.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277 VAC (50/60Hz input), and 347-480 VAC. Optional button-type photocells (PCI) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified).

DRIVER - Available in SS (Super Saver) and HO (High Output) drive currents. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Available in black, bronze and white. Other standard LSI finishes available. Consult factory.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - One fixture: 17.5 lbs. (7.9 kg). Packed two per carton: 30 lbs. (13.6 kg).

LISTING - UL listed to U.S. and international safety standards. Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Vibration 1.5G requirements.



Project Name _____ Fixture Type _____

Catalog # _____

10/16/17

© 2017

LSI INDUSTRIES INC.

LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XLCS S LED SS 50 UE BLK PCR**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Options
XLCS	3 - Type III 5 - Type V FT - Forward Throw 5E - Type V Enhanced FTE - Forward Throw Enhanced	LED	SS - Super Saver HO - High Output	50 - 5000K 40 - 4000K	UE - Universal Voltage (120-277V) 347-480 Universal Voltage (347-480V)	BLK - Black BRZ - Bronze WHT - White	DIM - 0-10V Dimming (from external signal) Button Type Photocells PCI120 - 120V PCI208-277V - 208-277V PCI347 - 347V IL - Internal Louver (available with FT distribution only) PCR 7P - Photoelectric Control Receptacle ³

LUMINAIRE EPA CHART - PLCS

Horizontal Mounting Only	
 Single	0.4
 D180°	0.8
 D90°	0.6
 T90°	1.4
 TN120°	1.4
 Q90°	1.6

Note: House Side Shield adds to fixture EPA. Consult Factory.

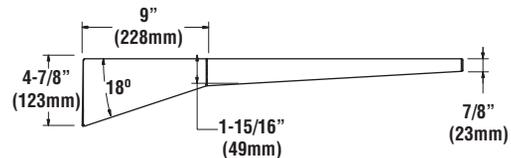
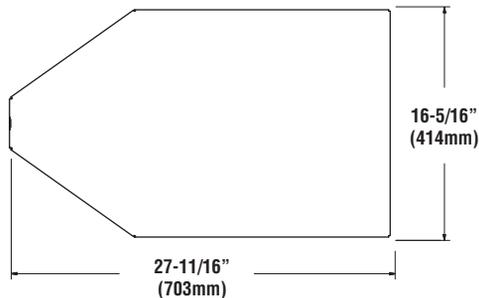
ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	
BKS-XBO-WM-* -CLR Wall Mount Bracket	382132CLR	DFK208, 240 Double Fusing (208V, 240V)	DFK208, 240 ²
XLCS-3/FT-HSS (Black only)	603162BLK ¹	DFK480 Double Fusing (480V)	DFK480 ²
X3RPP Round Pole Plate for 3" RTP Poles	408273CLR	FK347 Single Fusing (347V)	FK347 ²
X4RPP Round Pole Plate for 4" Poles	379967CLR	PQMH-KIT-CLR Square Pole Quick Mount Horizontal Bracket	582328CLR
X5RPP Round Pole Plate for 5" Poles	379968CLR	PQM15-KIT-CLR Square Pole Quick Mount Bracket w/fixed 15° Angle	582329CLR
FK120 Single Fusing (120V)	FK120 ²	ALSC UNV TL5 - AirLink 5 Pin Twist Lock Controller	661409
FK120 Single Fusing (120V)FK	FK27 ²	ALSC UNV TL7 - AirLink 7 Pin Twist Lock Controller	661410

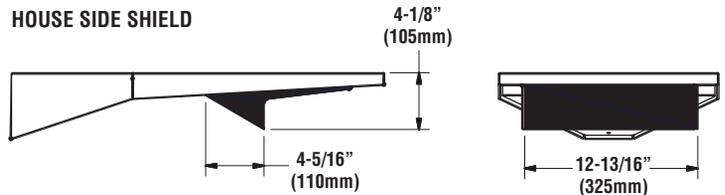
FOOTNOTES

- 1 - House Side Shields add to fixture EPA. Consult factory.
- 2 - Fusing must be located in the hand hole of pole.
- 3 - Photocell must be ordered separately. 7 pin standard. See Accessories.

DIMENSIONS



HOUSE SIDE SHIELD



LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

BUG LISTING

XLCS - Type 3

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	14,020	143	98	B3-U0-G2
	CW-HSS	8815	146	60	B2-U0-G2
	NW	13,421	143	94	B3-U0-G2
SS	CW	10,126	97	105	B3-U0-G2
	NW	9719	97	101	B3-U0-G2

XLCS - Type 5E

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	11,581	146	79	B4-U0-G2
	NW	10,996	146	75	B4-U0-G2
SS	CW	8202	96	85	B3-U0-G2
	NW	7908	96	82	B3-U0-G2

XLCS - Type 5

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	15,674	138	113	B4-U0-G2
	NW	15,184	146	104	B4-U0-G2
SS	CW	11,449	96	119	B3-U0-G2
	NW	10,762	96	112	B3-U0-G1

XLCS - Type FTE

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	10585	141	75	B2-U0-G2
	CW-HSS	7810	146	53	B1-U0-G2
	NW	10,499	146	72	B2-U0-G2
	NW-HSS	7721	146	53	B1-U0-G2
SS	CW	7752	96	81	B1-U0-G2
	CW-HSS	5676	96	59	B1-U0-G2
	NW	7493	96	78	B1-U0-G2
	NW-HSS	5517	96	57	B1-U0-G2

XLCS - Type FT

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	15,535	139	112	B3-U0-G2
	CW-HSS	12,489	139	90	B1-U0-G2
	CW-IL	14,384	138	104	B3-U0-G2
	NW	14,694	146	100	B3-U0-G2
	NW-HSS	10,499	144	73	B1-U0-G2
	NW-IL	12,763	144	89	B2-U0-G2
SS	CW	11,383	96	118	B2-U0-G2
	CW-HSS	9099	96	95	B1-U0-G2
	CW-IL	10,509	96	109	B2-U0-G2
	NW	10,410	96	108	B2-U0-G2
	NW-HSS	7699	99	78	B1-U0-G2
	NW-IL	9328	98	95	B2-U0-G2

* Color Temperature: NW-4000K, CW-5000K

