

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



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.

FOR OFFICE USE ONLY:

Paid _____ Receipt # _____

Date received _____

Received by _____

Aldermanic District _____

Zoning District _____

Urban Design District _____

Submittal reviewed by _____

1. Project Information

Address: 2402 West Broadway
Title: Kwik Trip #965

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

UDC meeting date requested November 7th 2018

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 Bjorn Berg Company Kwik Trip

Street address 1626 Oak Street City/State/Zip La Crosse, WI 54602

Telephone 608-791-4343 Email bberg@kwiktrip.com

Project contact person Bjorn Berg Company Kwik Trip

Street address 1626 Oak Street City/State/Zip La Crosse, WI 54602

Telephone 608-791-4343 Email bberg@kwiktrip.com

Property owner (if not applicant) Kwik Trip Inc.

Street address 1626 Oak Street City/State/Zip La Crosse, WI 54602

Telephone 608-791-8988 Email kklug@kwiktrip.com

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***

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.*

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.

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 Bjorn Berg

Relationship to property PROJECT MANAGER

Authorized signature of Property Owner

Jeffrey J. Wrobel
Jeffrey J. Wrobel, VP, CFO & Treasurer

Date 10/10/18

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

URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Variance requests)
- Initial Approval. Applicants may, at their discretion, request initial approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information what should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the initial approval must be addressed at this time.

Presentations to the Commission

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.

Applicants are encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed. **Applicants/presenters are responsible for all presentation materials, AV equipment and easels.**

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- Locator Map
- 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)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan
- Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1" = 40' or larger

**** All plans must be legible, including the full-sized landscape and lighting plans (if required)**

2. Initial Approval

- Locator Map
- Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- Landscape Plan and Plant List (*must be legible*)
- Building Elevations in both black & white and color for all building sides (include material callouts)
- PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), plus:

- Grading Plan
- Proposed Signage (if applicable)
- Lighting Plan, including fixture cut sheets and photometrics plan (*must be legible*)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials (presented at the UDC meeting)

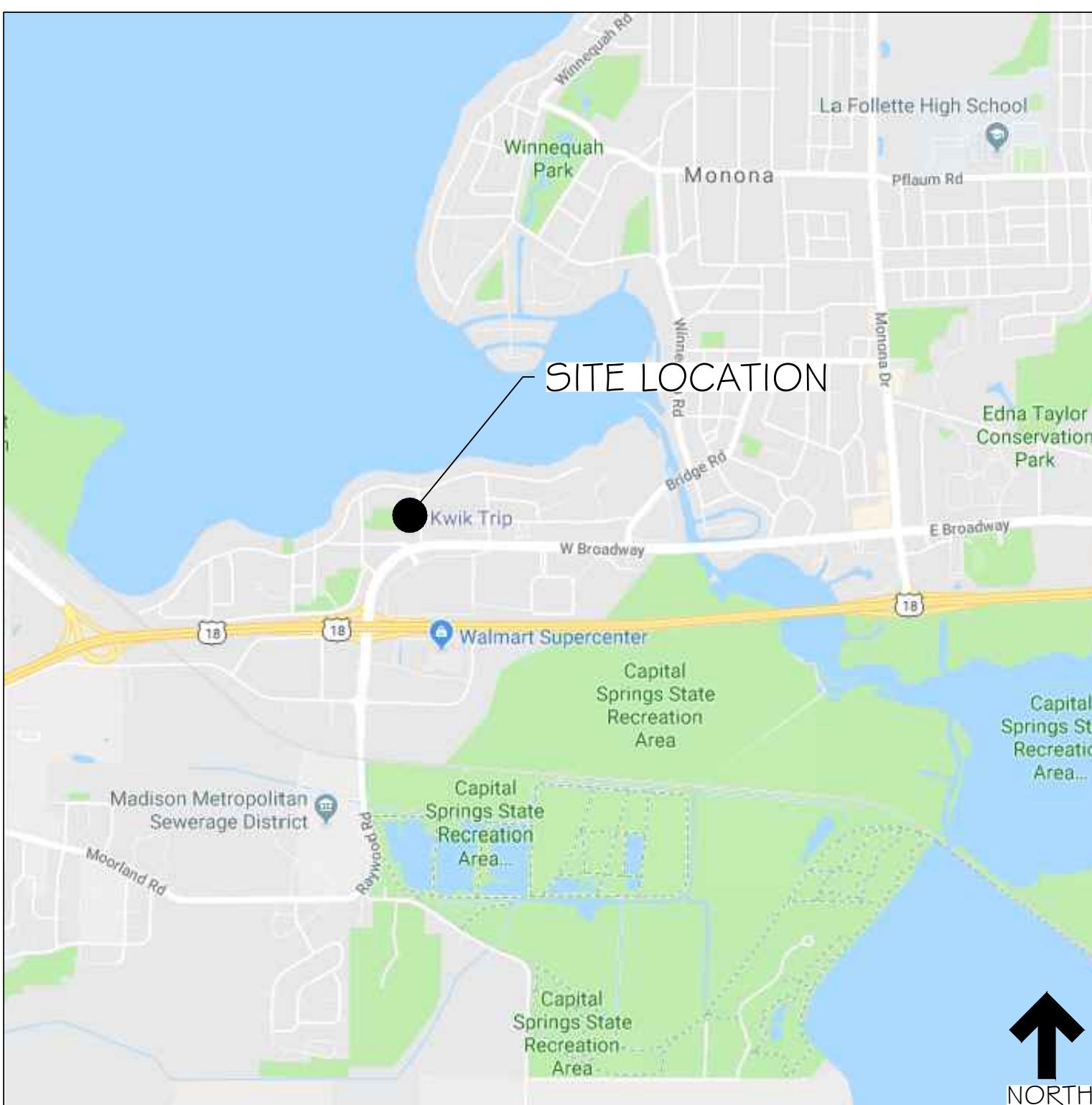
4. Comprehensive Design Review (CDR) and Variance Requests (Signage applications only)

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Variance criteria is required)
- Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit

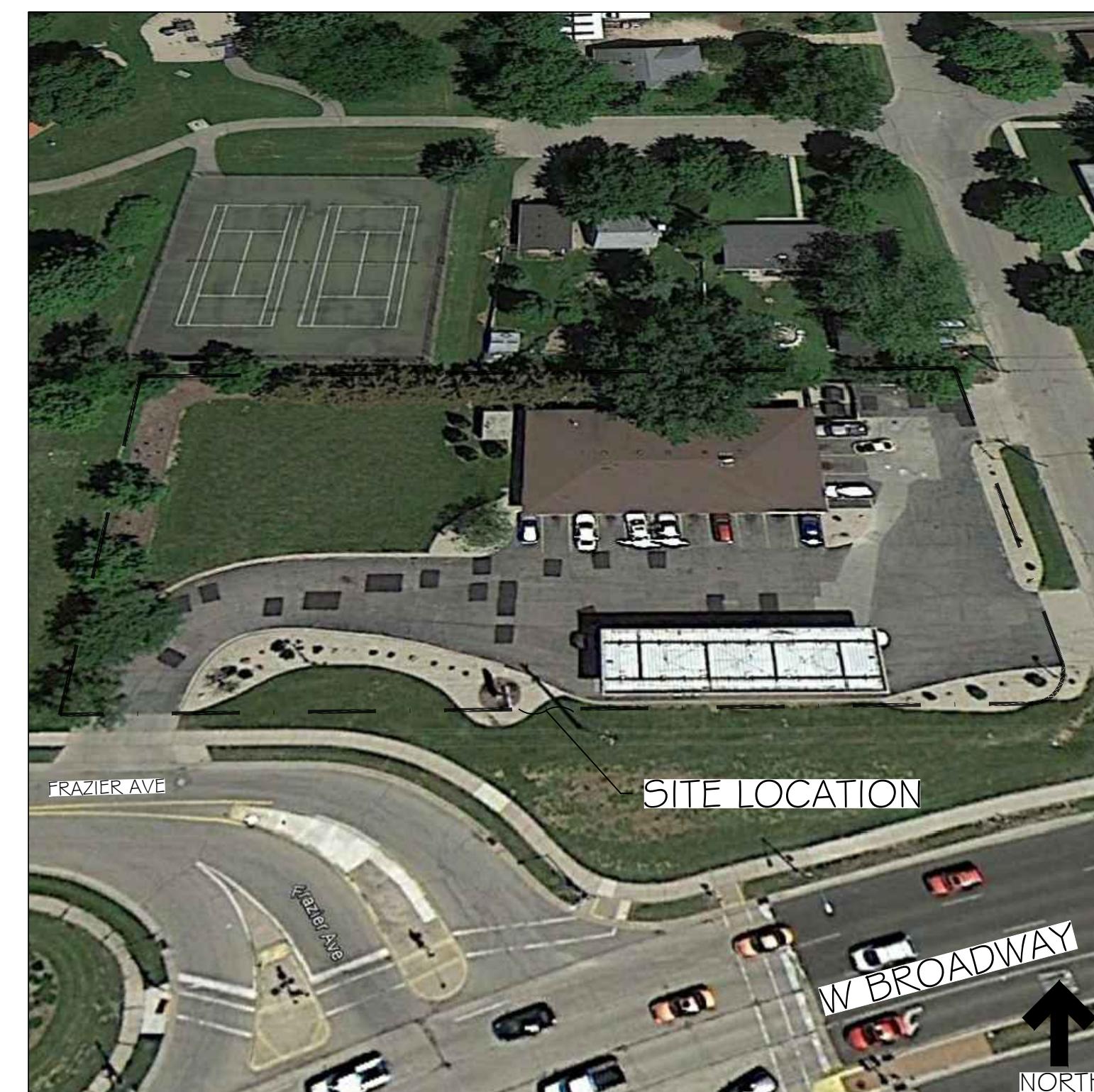
SITE IMPROVEMENT PLANS FOR:

KWIK TRIP #965
2402 W BROADWAY
MADISON, WISCONSIN

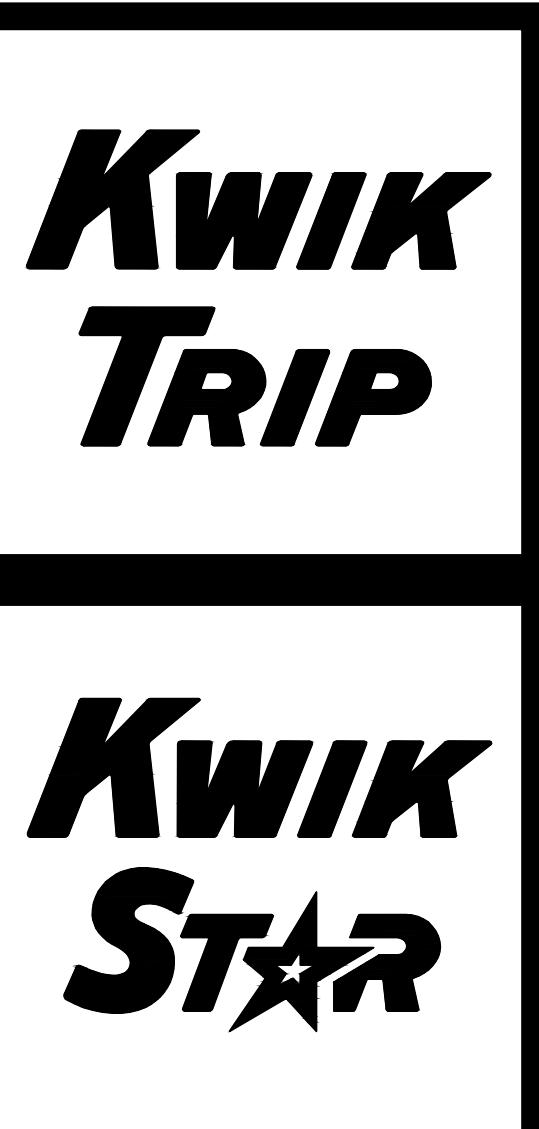
SITE LOCATION MAP:



SITE AERIAL MAP:

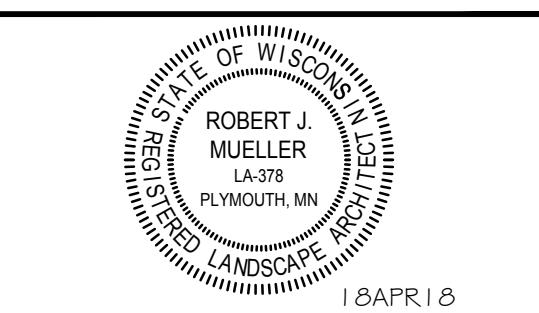


DRAWING INDEX	
TI	TITLE SHEET
ALTA	ALTA SURVEY
DM I	DEMO PLAN
SPE	SITE PLAN ELEMENTS
SP I	SITE DIMENSION PLAN
SP I. I	SITE PLAN KEYNOTE
SP2	GRADE PLAN
SP2. I	GRADE PLAN DETAILS
SPA	ACCESSIBILITY PLAN
SPD	DETAILS
SWP I	EROSION CONTROL PLAN
SWP2	EROSION CONTROL NOTES
SWP3	EROSION CONTROL DETAILS
SWP4	EROSION 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 763.383.8440



TITLE SHEET	CONVENIENCE STORE 965
2402 W BROADWAY MADISON, WISCONSIN	

NO. DATE DESCRIPTION
- 06JULY18 SUBMITTAL
- 17JULY18 SUBMITTAL
- 25JULY18 ADD CANOPY
- 03OCT18 COMMISSION COMMENTS

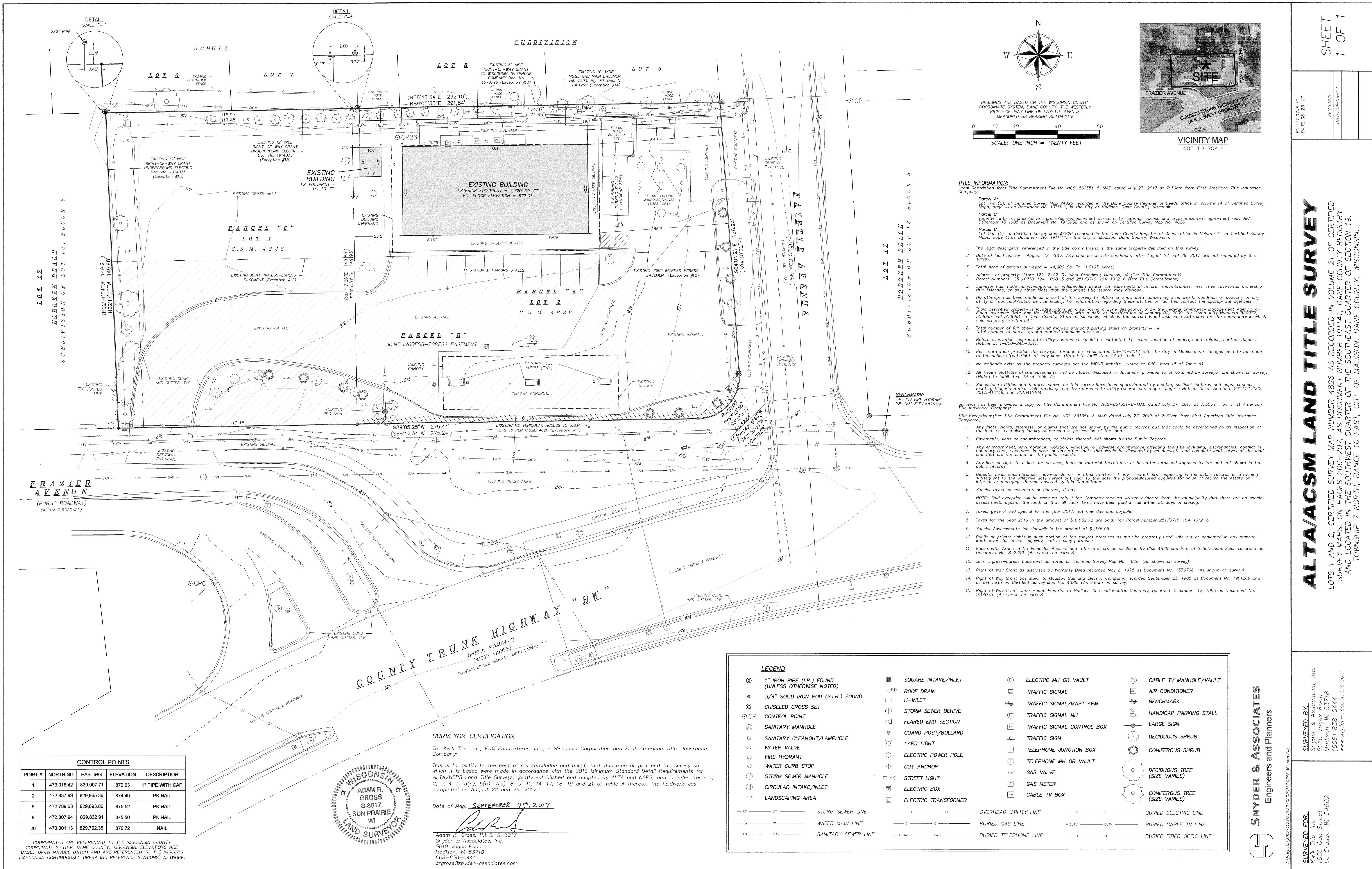
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SCALE
PROJ. NO.
DATE
SHEET

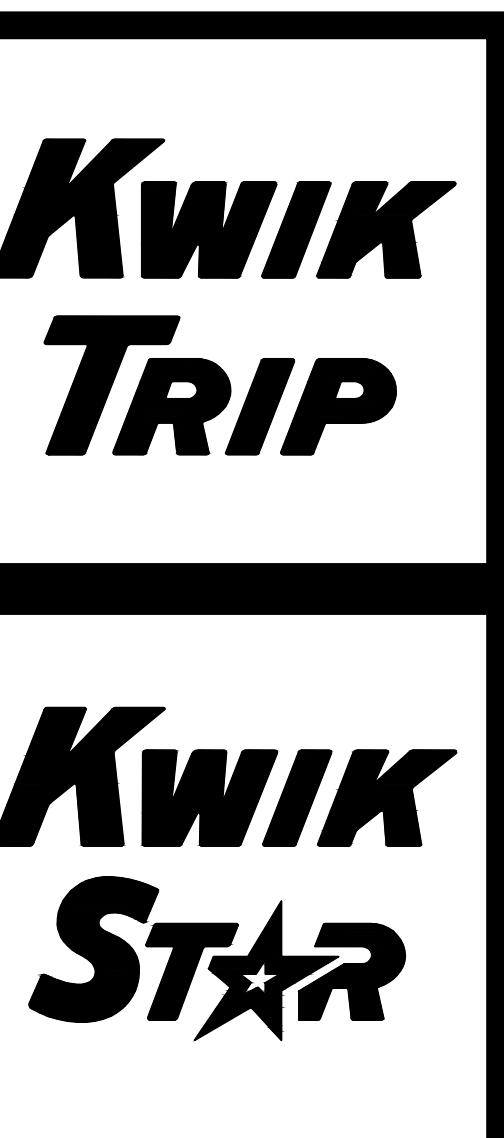
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OWNER:
KWIK TRIP INC.
1626 OAK STREET
LA CROSSE, WI 54602
BJORN BERG
(608)-791-4343
BBERG@kwiktrip.com

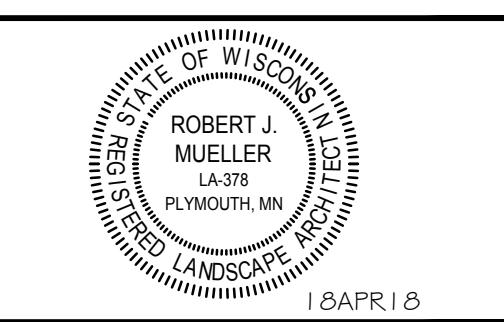
SITE PLANNER:
INSITES SITE PLANNING
3030 HARBOR LN N, SUITE 131
PLYMOUTH, MN 55447
BOB MUELLER
763-383-8400
Bob@InsitesInc.net

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





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



DEMO PLAN

CONVENIENCE STORE 965

2402 W BROADWAY
MADISON, WISCONSIN

CONSTRUCTION NOTE:
BIO ROLL TO BE INSTALLED AROUND ENTIRE RE-GRADING AREA.
NOTE

- REFER TO OTHER PROJECT PLANS AND INFORMATION RELATED TO THIS PROJECT PRIOR TO BEGINNING ANY GRADING WORK.

- PLAN PREPARED FROM ALTA/ACSM LAND TITLE SURVEY BY:

SNYDER & ASSOCIATES
608.838.0444
SEPT-9TH-2017

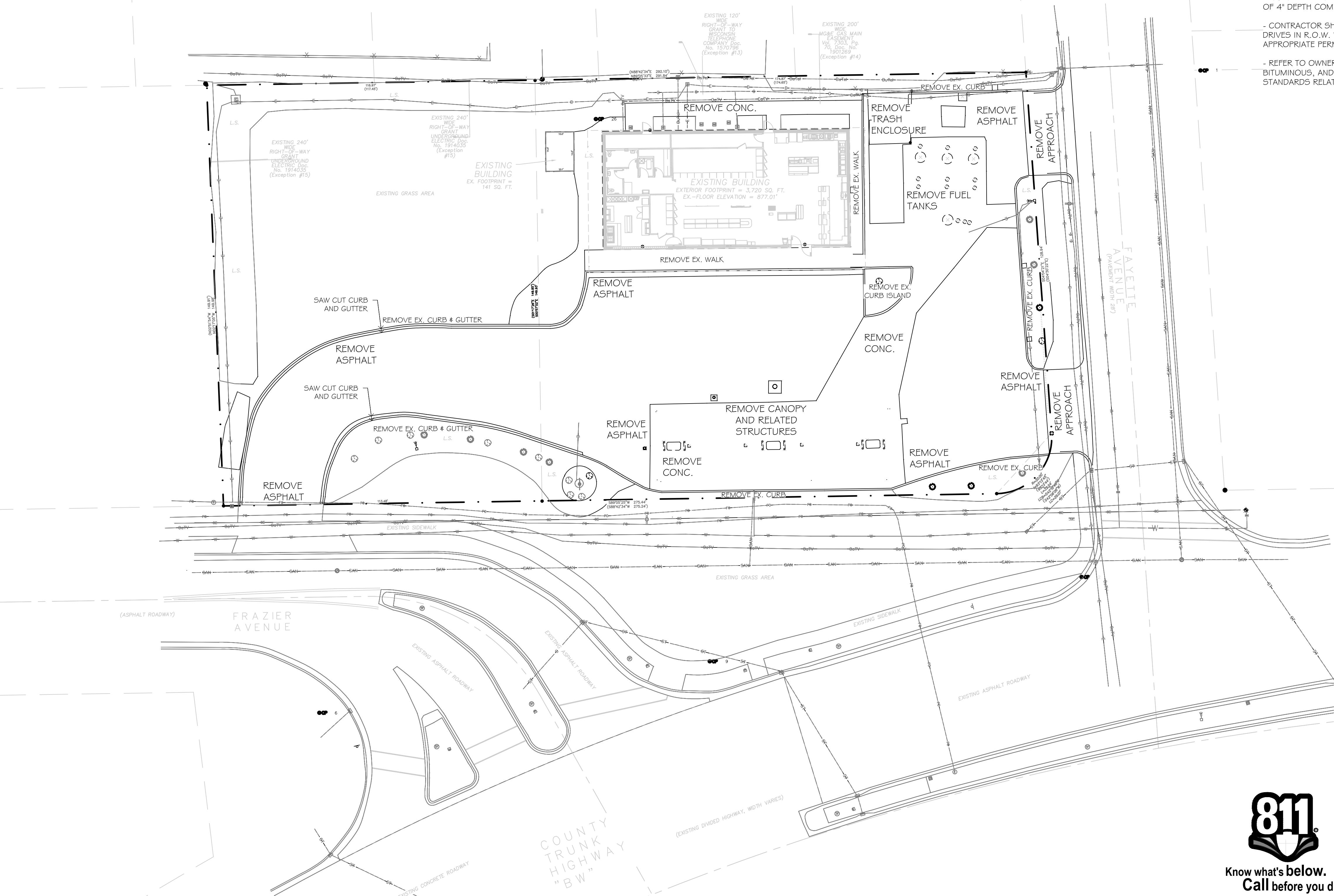
- CONTRACTOR SHALL LOCATE ALL UTILITIES WHICH MAY AFFECT THIS WORK AND NOTIFY OWNER OF ANY CONFLICTS.

- CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED ELEVATIONS PRIOR TO START OF CONSTRUCTION. VERIFY CRITICAL ELEVATIONS TO ENSURE CONFORMANCE WITH GRADING PLAN, PARTICULARLY WITH WALK AND/ OR PAVEMENTS TO REMAIN. MEET EXISTING GRADES ALONG STREETS, PROPERTY LINES AND DRIVEWAY ENTRANCES. RESTORE ALL EXISTING PAVEMENTS THAT REMAIN TO THEIR ORIGINAL, IF NOT BETTER CONDITION. NOTIFY OWNER OF ANY CONFLICTS.

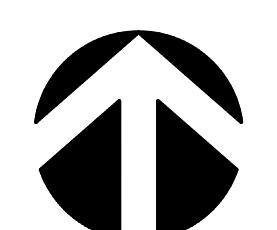
- AREAS NOT PAVED AND TO BE LANDSCAPED SHALL RECEIVE MINIMUM OF 4" DEPTH COMPACTED TOPSOIL.

- CONTRACTOR SHALL COORDINATE GRADING AND INSTALLATION OF DRIVES IN R.O.W. WITH APPROPRIATE GOVERNMENT AGENCIES. OBTAIN APPROPRIATE PERMITS FOR GRADING AND DRAINAGE IN ALL R.O.W.

- REFER TO OWNER'S SPECIFICATIONS FOR CURB, APPROACH, BITUMINOUS, AND CONCRETE PROFILES, AS WELL AS ADDITIONAL SITE STANDARDS RELATED TO THIS PROJECT.



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



NORTH

SCALE: 1" = 20'

A horizontal scale with a black bar indicating a value of 100. The scale starts at 0 and ends at 200, with major tick marks at 0, 100, and 200. The black bar is positioned at the 100 mark.

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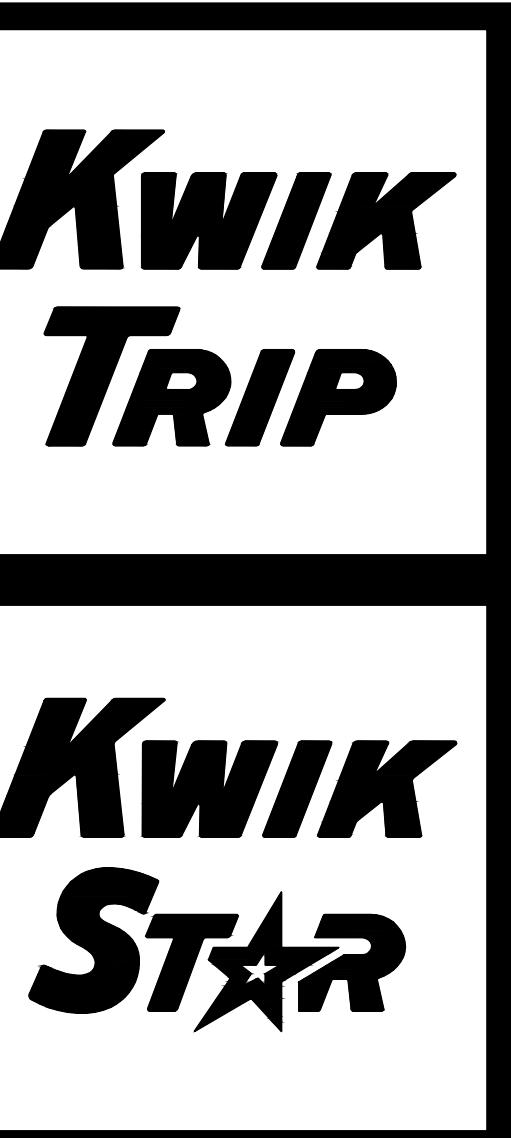
NOTE: PLANS PLOTTED

NOTE: PERIODS PESTLED
SIZE ARE $\frac{1}{2}$ SCALE- 1"=40

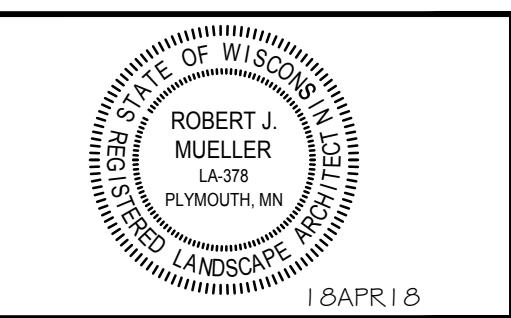
NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY
-	03OCT18	COMMISSION COMMENTS

DRAWN BY _____
SCALE _____ GRAPHIC _____
PROJ. NO. _____ 17965
DATE _____ 18APR2018
SHEET _____ DM1

9 M



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



SITE PLAN ELEMENTS

CONVENIENCE STORE 965

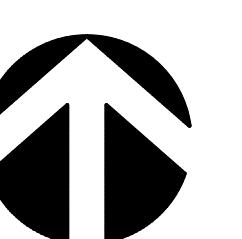
2402 W BROADWAY
MADISON, WISCONSIN

This detailed architectural site plan illustrates the layout of a building addition and surrounding infrastructure. The plan includes the following key features and labels:

- Existing Building:** Located in the center, with an exterior footprint of 3,720 sq. ft. and an exterior floor elevation of 877.01'. It includes a proposed trash enclosure.
- Proposed New Canopy:** A canopy structure planned to be 141 sq. ft. in footprint, situated on the left side of the building.
- Proposed Replacement Canopy:** A canopy structure planned to be 113.48' wide, situated on the right side of the building.
- Canopy Coverage:** Indicated by diagonal lines and a wheelchair accessibility symbol.
- Existing Sidewalk:** Located along the bottom of the building's footprint.
- Existing Asphalt Roadway:** A road running along the bottom edge of the site.
- County Trunk Highway "BW":** A divided highway running diagonally across the bottom right.
- FAYETTE AVENUE:** A paved road running vertically on the right side of the site.
- Existing Grass Area:** Labeled in several locations, including the top left and bottom left.
- Proposed New Canopy:** Labeled with dimensions 141 sq. ft. and 113.48' wide.
- Proposed Replacement Canopy:** Labeled with dimensions 113.48' wide.
- ZONING:** Various zoning districts are indicated:
 - ZONING - TR-C1 TRADITIONAL RESIDENTIAL CONSISTENT DISTRICT 1 (top left)
 - ZONING - TR-C4 TRADITIONAL RESIDENTIAL CONSISTENT DISTRICT 4 (top right)
 - ZONING - URBAN DESIGN DISTRICT (left side)
 - ZONING - CONSERVANCY DISTRICT (bottom left)
- Coordinates:** Numerous coordinates are provided for specific points along the building's footprint and canopy areas.
- Dimensions:** Various dimensions are shown for the building's footprint, canopy widths, and other site features.

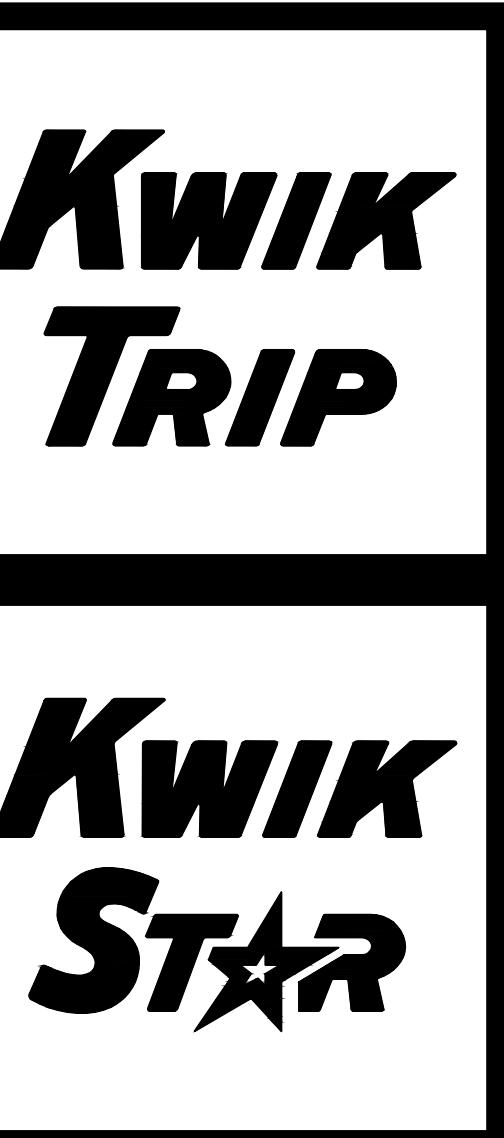


**Know what's below.
Call before you dig.**



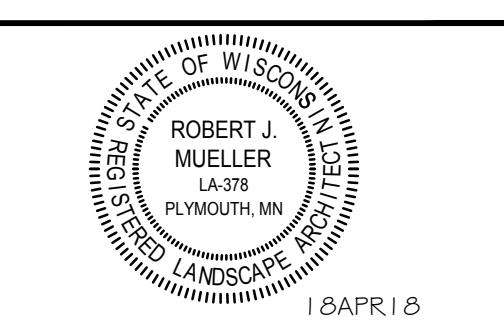
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SHEET		



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1626 OAK STREET
LACROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960**

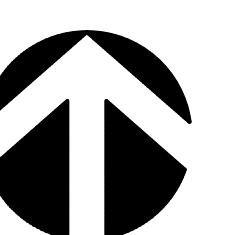
The image features the word "INSITES" in a large, bold, black font. Each letter is composed of a series of vertical lines and small squares, giving it a digital or technical appearance. Below "INSITES", the text "SITE PLANNING LANDSCAPE ARCHITECTURE" is written in a smaller, black, sans-serif font. Underneath that, the address "3030 Harbor Lane North, STE 131" and city "Plymouth Minnesota 55447" are listed. At the bottom, the phone number "763.383.8400" is centered, followed by the fax number "fax 763.383.8440".



SITE CIRCULATION PLAN

CONVENIENCE STORE 965

2402 W BROADWAY
MADISON, WISCONSIN



NORTH
SCALE: 1" = 30'

SCALE: 1 - 20

NO.	DATE	DESCRIPTION
-	8JUNE18	SUBMITTAL
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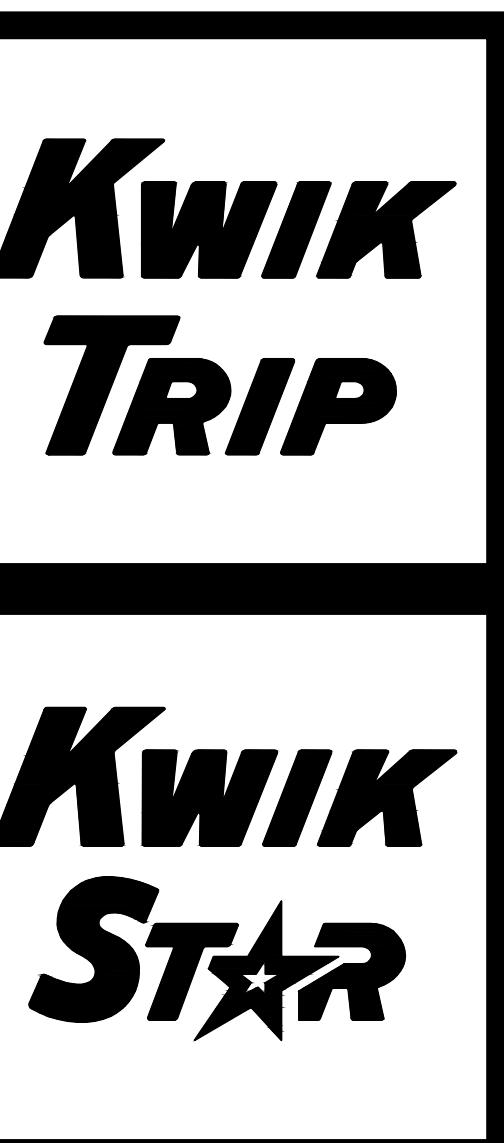
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SCALE _____ GRAPHIC _____
DRAWING NO. _____ DATE _____

PROJ. NO. 17965
DATE 18APR2018

SHEET SP0

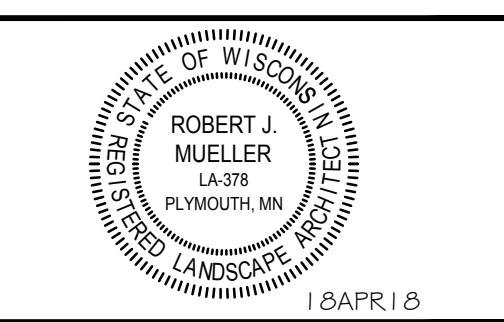
This detailed architectural site plan illustrates the layout of a building and its surrounding infrastructure. The plan includes the following key features and dimensions:

- Building:** An existing building with an exterior footprint of 141 sq. ft. and a floor elevation of 877.01'. An inset provides a detailed floor plan of the building.
- Streets and Roads:** FAYETTE AVENUE (Pavement width 28'), FRAZER AVENUE, and a COUNTY TRUNK HIGHWAY "BW".
- Driveways:** An existing driveway entrance on FAYETTE AVENUE and an existing asphalt roadway.
- Parking:** A 50'-0" CANOPY and a 20'-0" CANOPY.
- Access:** An existing joint ingress-egress easement (Exception #12) and an existing no vehicular access to U.S.H. 12 & 18 per C.S.M. 4826 (Exception #11).
- Landscaping:** Existing grass areas, a 24'-0" CANOPY, and an existing tree/shrub line.
- Utilities:** Existing curb and gutter, typ., and a fire hydrant benchmark at 875.99'.
- Other:** A north arrow, a scale bar (1" = 20'), and a plot note indicating the plans are plotted to 11x17 sheet size and are 1/2 scale (1" = 40').

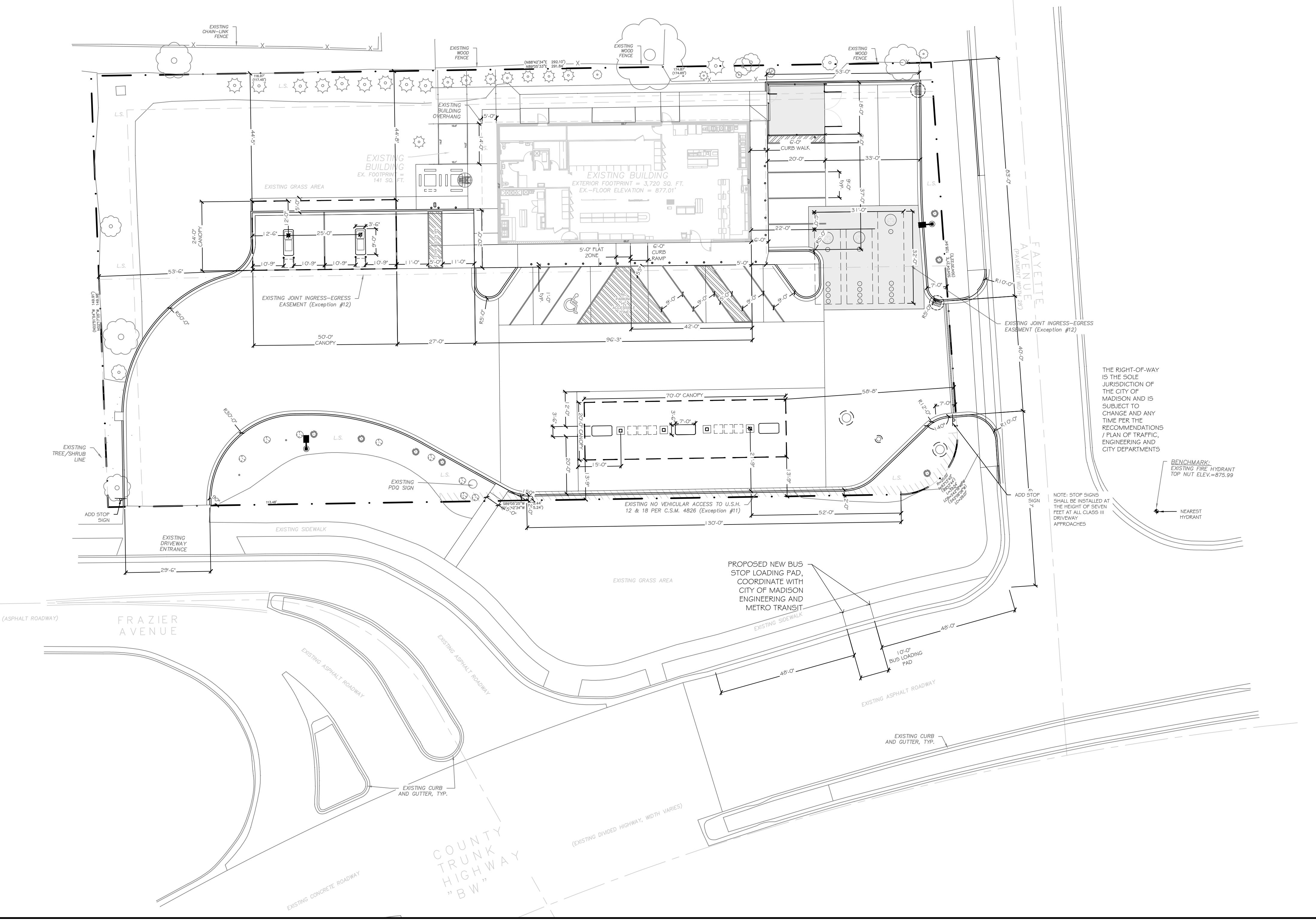


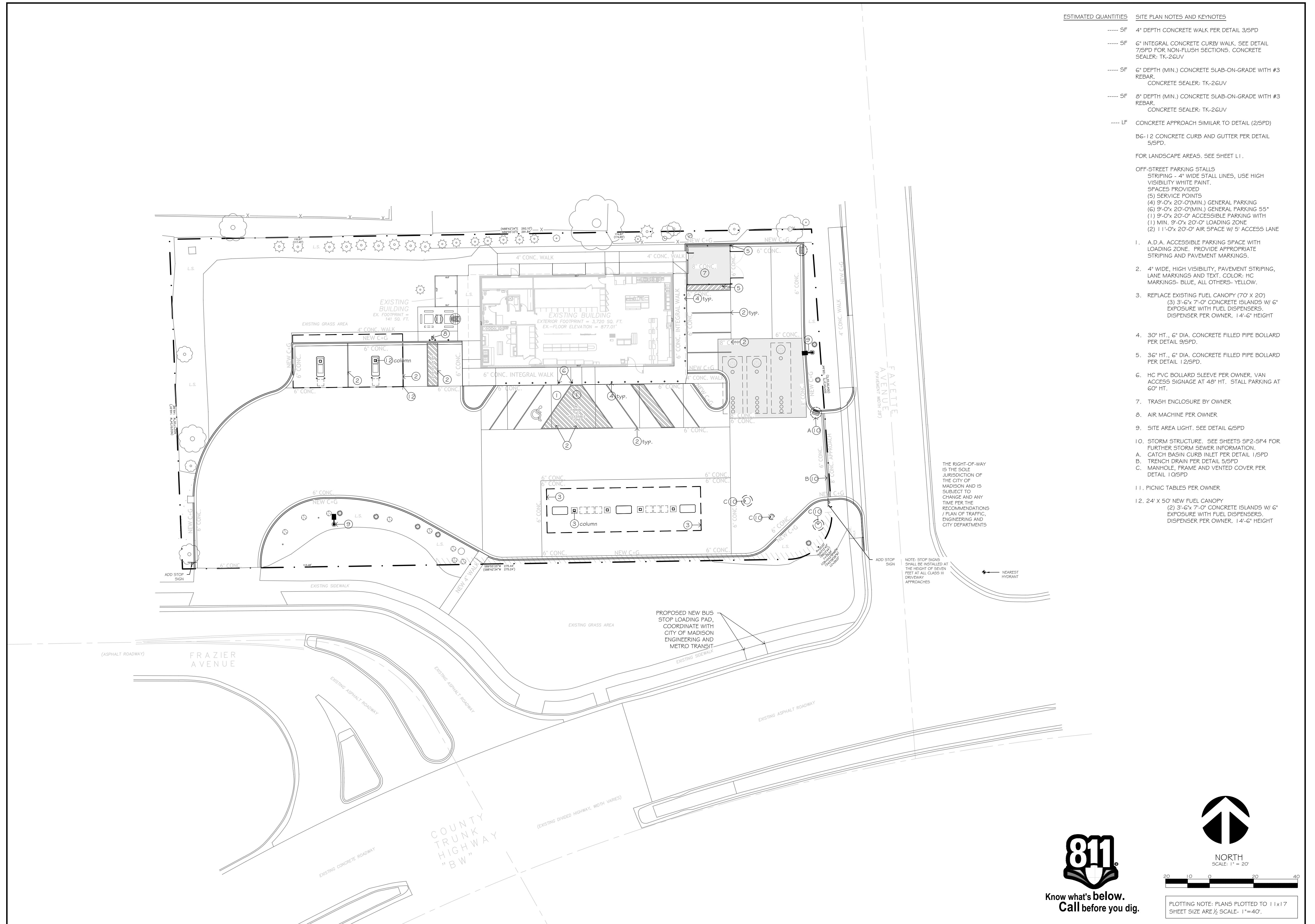
KWIK TRIP
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LACROSSE, WI 54602-2107
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INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
Fax 763.383.8440



SITE PLAN	
CONVENIENCE STORE 965	
2402 W BROADWAY MADISON, WISCONSIN	
<p>CONSTRUCTION NOTE: Construction fencing to be installed around entire construction site. Coordinate with owner for fencing and gate locations and appropriate signage installation.</p> <p>LAYOUT NOTES:</p> <ol style="list-style-type: none"> PLAN PREPARED FROM AN ALTA/ACSM LAND TITLE SURVEY BY: SNYDER & ASSOCIATES 608.838.0444 SEPT-9TH-2017 CURBS ARE DIMENSIONED TO FACE OF CURB. 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 JOINTS MAXIMUM DISTANCE: WALKS: 24 O.C., ALL OTHERS: 40 O.C., DOWEL ALL EXPANSION JOINTS- MAXIMUM 24 O.C. EXTERIOR CONCRETE SURFACES TO BE SEALED. CONCRETE SEALER: APR 15- OCT 31 USE: TK-2GU NOV 1- DEC 31 USE: TK-290 EXPANSION JOINTS SHALL BE DECK-O-FOAMED AND CAULKED WITH SLI 	
<p>KWIK TRIP, Inc. P.O. BOX 2107 1626 OAK STREET LACROSSE, WI 54602-2107 PH. (608) 781-8988 FAX (608) 781-8960</p>	
<p>INSITES SITE PLANNING LANDSCAPE ARCHITECTURE 3030 Harbor Lane North, STE 131 Plymouth Minnesota 55447 763.383.8400 Fax 763.383.8440</p>	
<p>SEAL OF WISCONSIN ROBERT J. MUELLER LA-378 PLYMOUTH, MN 18APR18</p>	
<p>SITE PLAN CONVENIENCE STORE 965 2402 W BROADWAY MADISON, WISCONSIN</p>	
<p>811 Know what's below. Call before you dig.</p>	
<p>811 NORTH SCALE: 1" = 20' 20 10 0 20 40</p>	
<p>PLOTTING NOTE: PLANS PLOTTED TO 11x17 SHEET SIZE ARE 1/2 SCALE: 1" = 40'.</p>	
<p>DRAWN BY: GRAPHIC PROJ. NO.: 17965 DATE: 18APR2018 SHEET: SP1 INSTRUMENTS 1/2-050 RM B.B.</p>	





KWIK ***TRIP***

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FAX (608) 781-8960

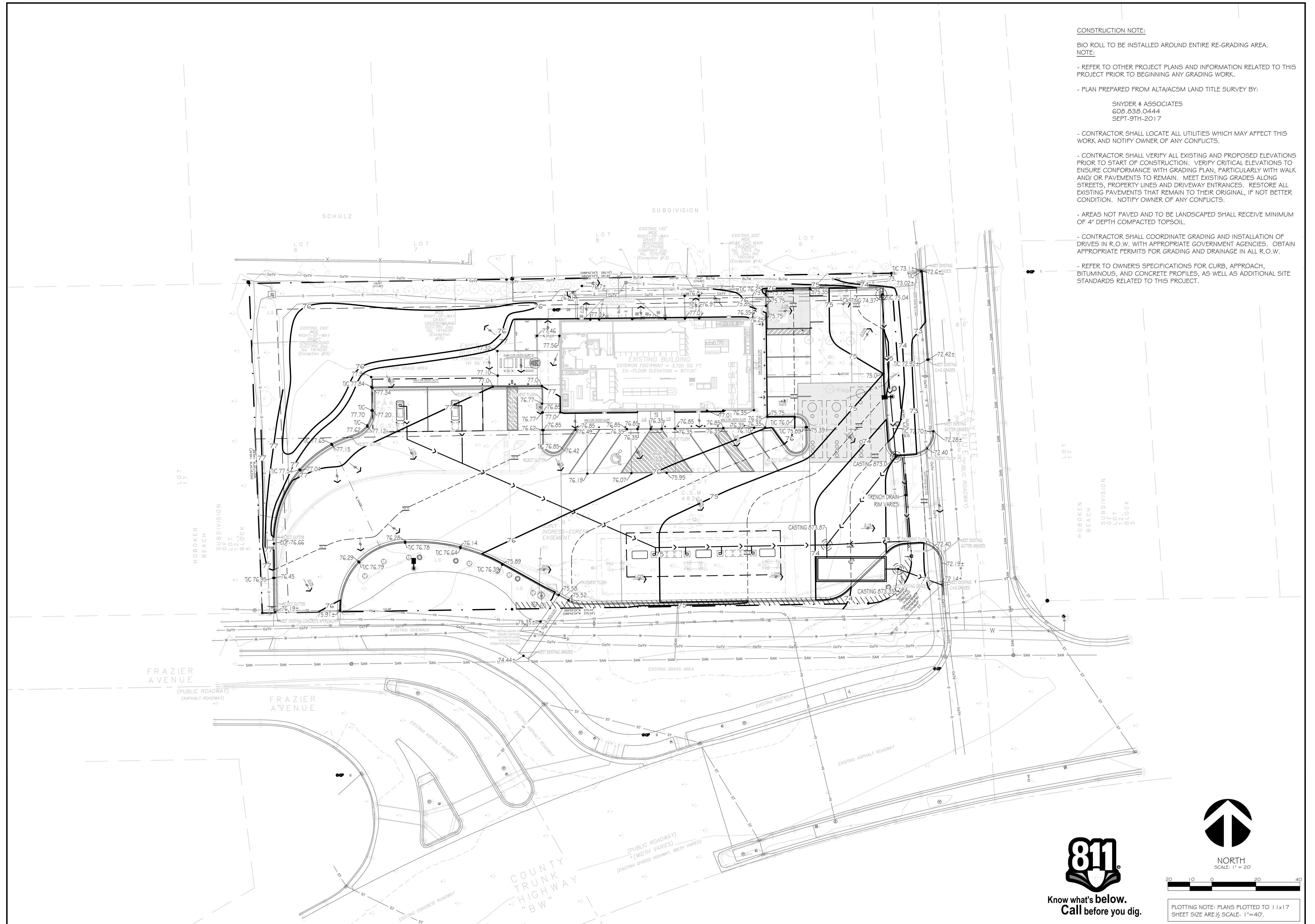
The logo for IN SITES consists of the word "IN SITES" in a large, stylized, blocky font where each letter is composed of a series of vertical lines and dots. Below this, the text "SITE PLANNING LANDSCAPE ARCHITECTURE" is written in a smaller, sans-serif font. Underneath that, the address "3030 Harbor Lane North, STE 131" is followed by "Plymouth Minnesota 55447" and two lines of phone numbers: "763.383.8400" and "fax 763.383.8440".

ROBERT J.
MUELLER
LA-378
PLYMOUTH, MN
REGISTERED LANDSCAPE ARCHITECT

SITE KEYNOTE PLAN

CONVENIENCE STORE 965

2402 W BROADWAY
MADISON, WISCONSIN

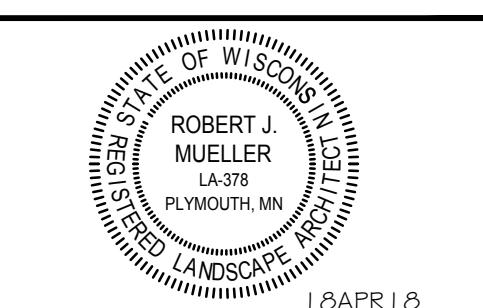


KWIK TRIP

KWIK STAR

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

The logo for INSITES features the word "INSITES" in large, bold, black letters with a unique, vertical-lined texture. Below it, the text "SITE PLANNING LANDSCAPE ARCHITECTURE" is written in a smaller, sans-serif font. Underneath that, the address "3030 Harbor Lane North, STE 131" and the city "Plymouth Minnesota 55447" are listed. At the bottom, the phone number "763.383.8400" and the fax number "fax 763.383.8440" are provided.

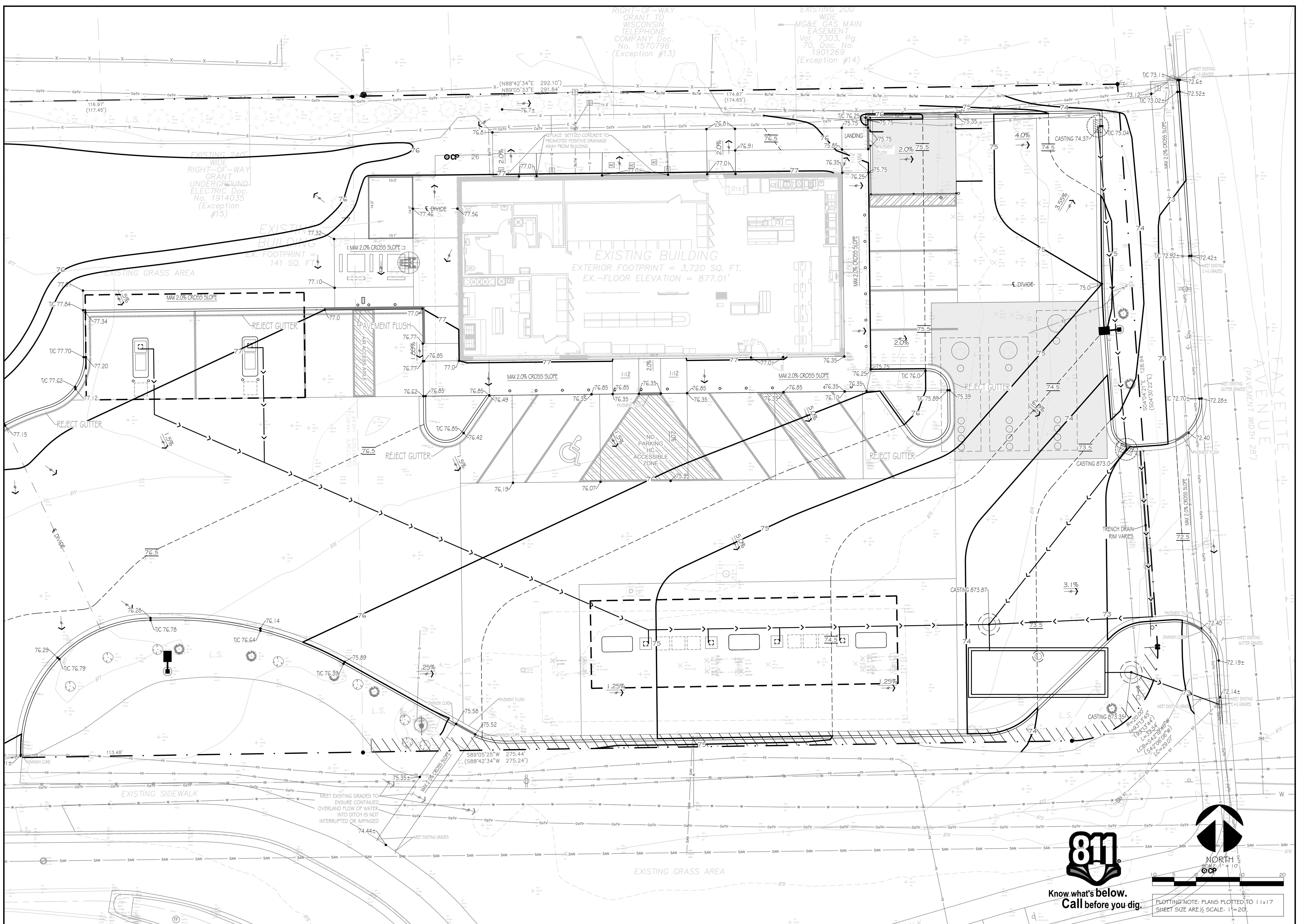
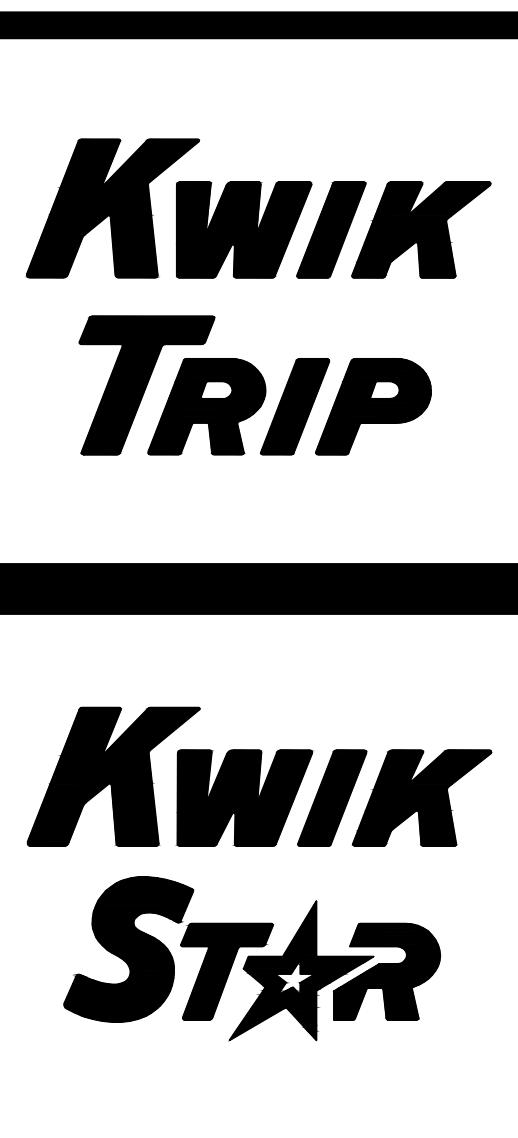


GRADE PLAN

CONVENIENCE STORE 965

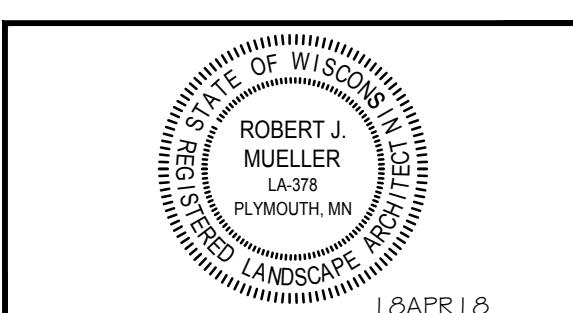
2402 W BROADWAY
MADISON, WISCONSIN

<u>DATE</u>	<u>DESCRIPTION</u>
8JUNE18	SUBMITTAL
17JULY18	SUBMITTAL
25JULY18	ADD CANOPY
03OCT18	COMMISSION COMMENTS
AWN BY	
ALE	GRAPHIC
OJ. NO.	17965
TE	18APR2018
EET	
	SP2



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 763.383.8440



GRADE PLAN DETAILS
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN

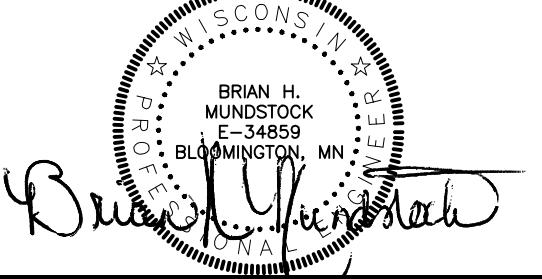
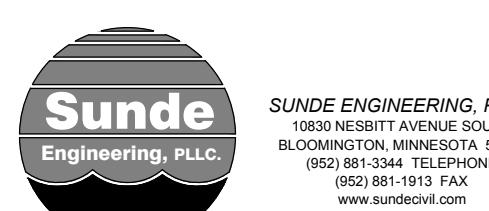
NO. DATE DESCRIPTION
- 06JULY18 SUBMITTAL
- 17JULY18 ADD CANOPY
- 25JULY18 ADD CANOPY
- 03OCT18 COMMISSION COMMENTS

DRAWN BY: ISCALE GRAPHIC
PROJ. NO.: 17965
DATE: 18APR2018
SHEET: SP2.1
17-050 RM.B.B.
18APR18

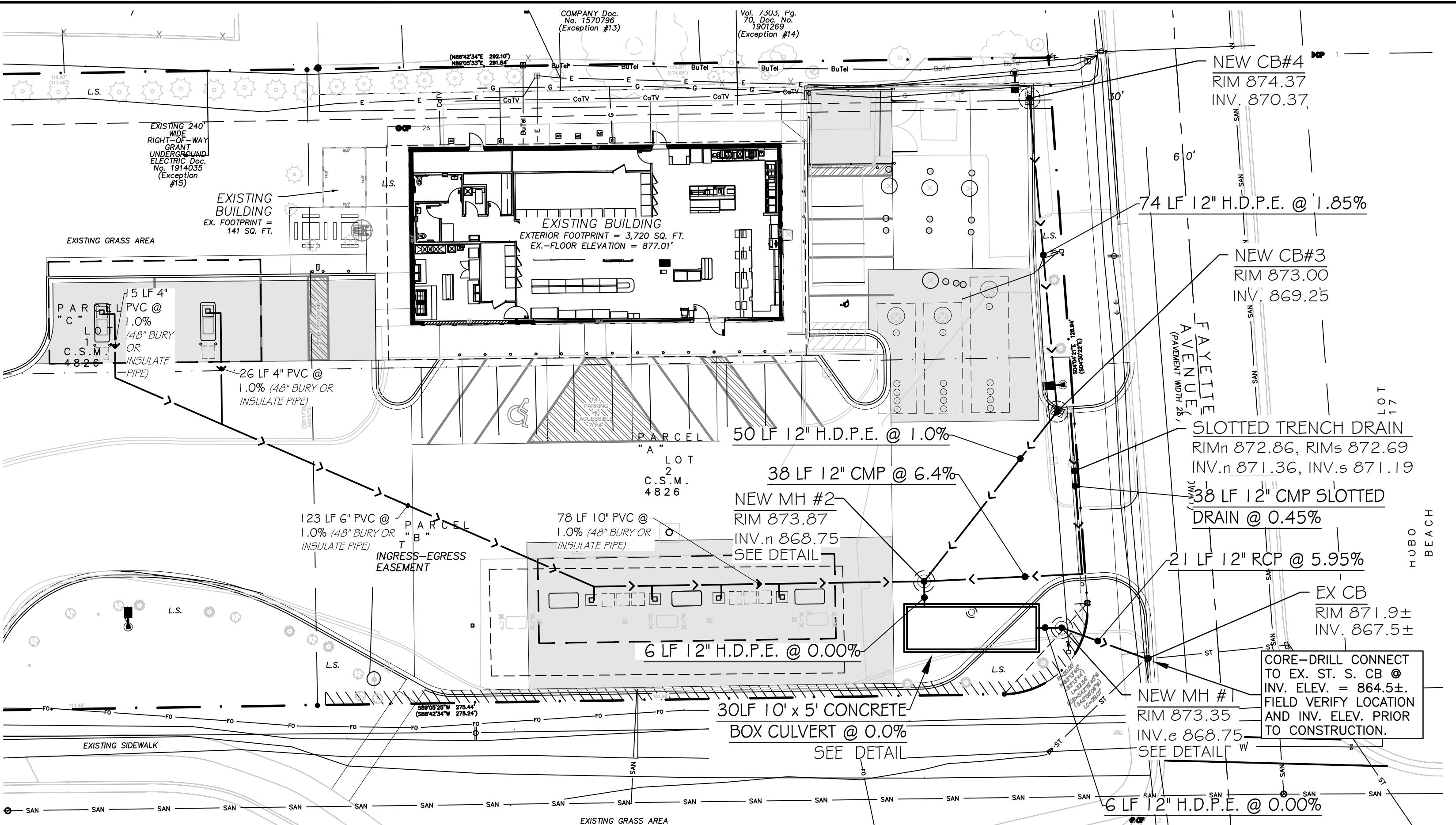
**KWIK
TRIP**

**KWIK
STAR**

KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LACROSSE, WI 54620-2107
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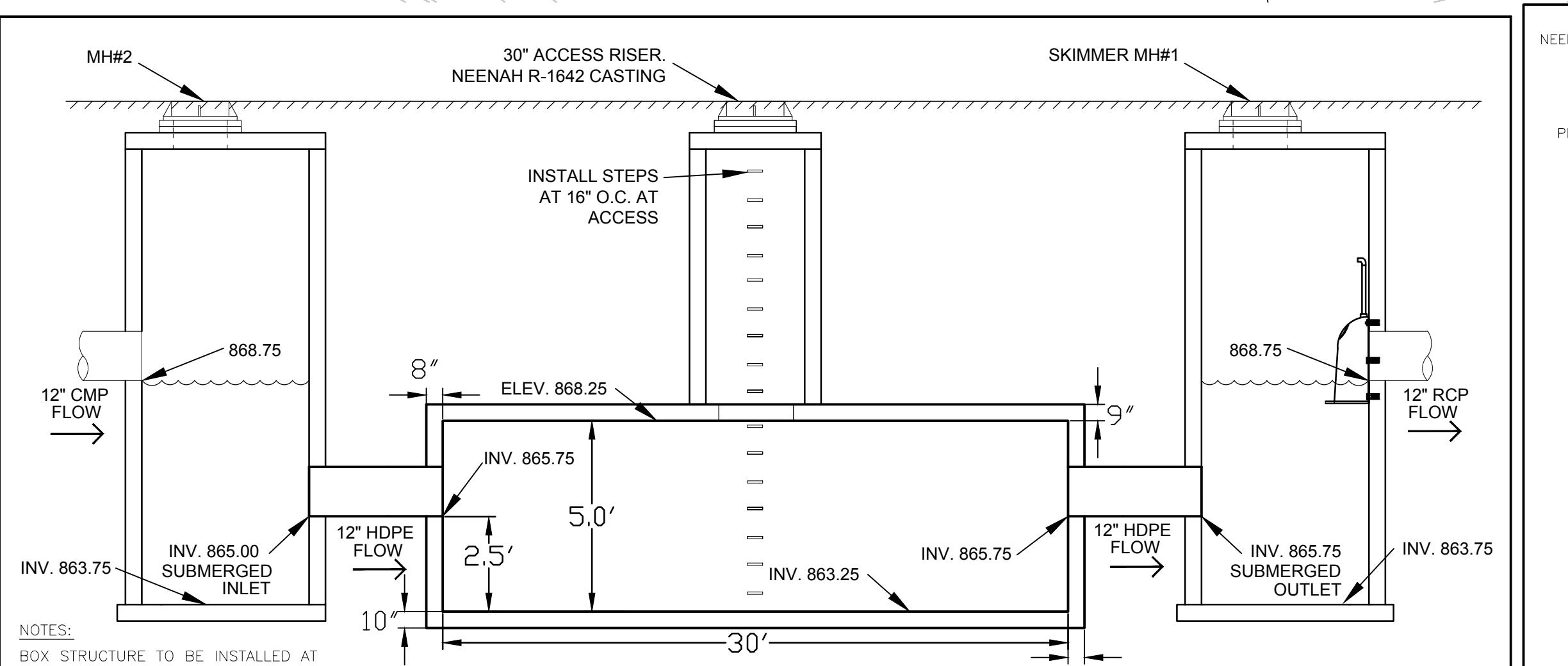


STORM SEWER PLAN
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN



H D P E R E Q U I R E M E N T S :

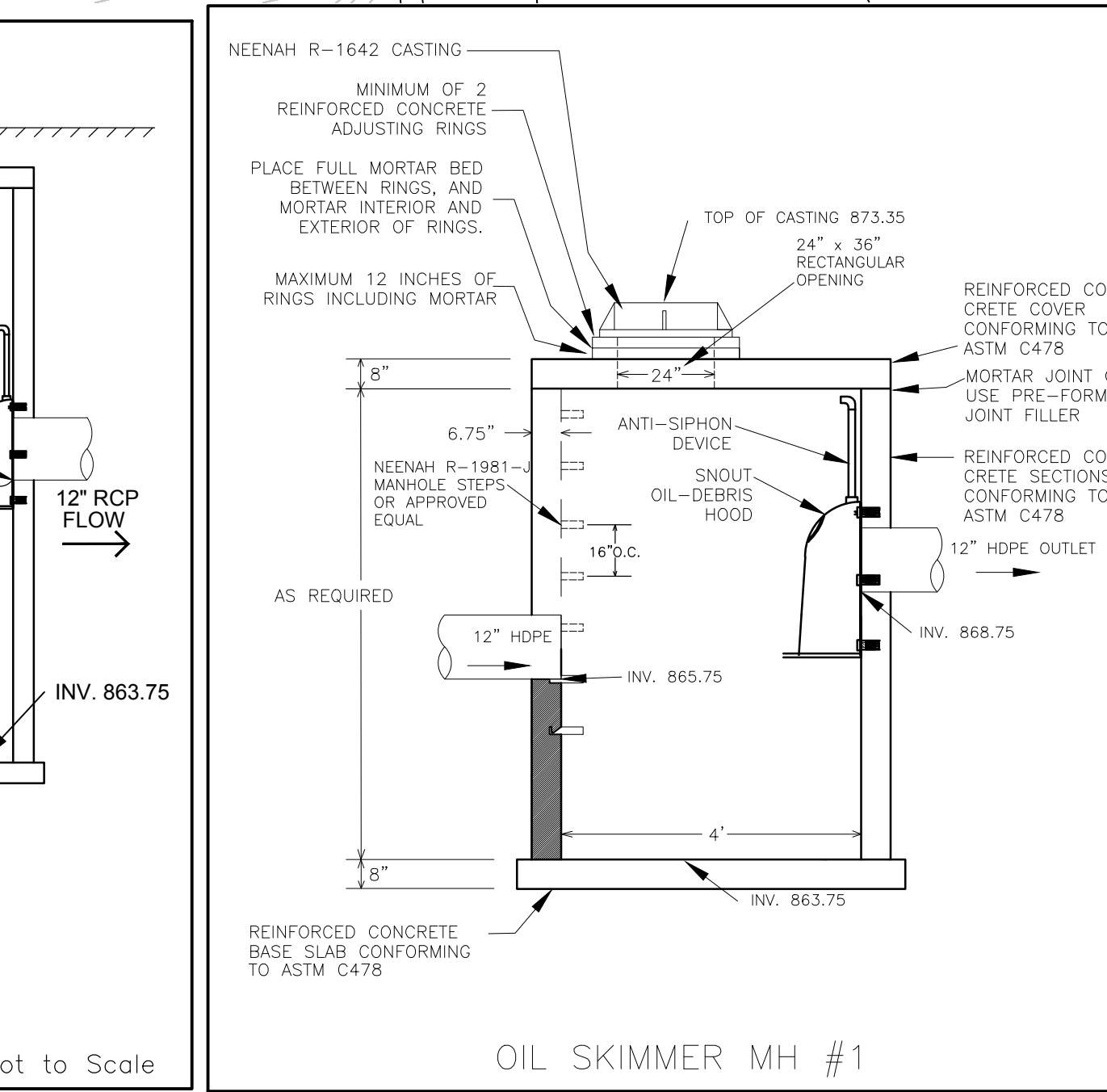
1. Install dual-wall, smooth interior, corrugated high-density polyethylene (HDPE) pipe at locations indicated on the plan.
2. Dual-wall, smooth interior, corrugated high-density polyethylene (HDPE) pipe shall conform to the requirements of AASHTO M252 for pipe sizes 4-inch to 10-inch diameter.
3. Dual-wall, smooth interior, corrugated high-density polyethylene (HDPE) pipe shall conform to the requirements of ASTM F2306 for pipe sizes 12-inch to 60-inch diameter.
4. All fittings must comply with ASTM Standard D3212.
5. Water-tight joints must be used at all connections including structures.
6. Lay all HDPE pipe on a continuous granular bed. Installation must comply with ASTM D2321. All sections of the corrugated HDPE pipe shall be coupled in order to provide water tight joints.
7. Perform deflection tests on all HDPE pipe after the sewer lines have been installed and backfill has been in place for at least 30 days. No pipe shall exceed a deflection of 5%. If the test fails, make necessary repairs and retest.
8. A licensed surveyor shall perform construction staking. The Contractor shall provide and be responsible for the staking. Verify all plan and detail dimensions prior to construction staking. Stake the limits of walkways and curbing prior to valvebox, maintenance hole, and catchbasin installation. Adjust valvebox and maintenance hole locations in order to avoid conflicts with curb and gutter. Adjust catchbasin locations in order to align properly with curb and gutter.
9. Provide temporary fences, barricades, coverings, and other protections in order to preserve existing items to remain, and to prevent injury or damage to person or property.
10. Provide all traffic control required in order to construct the proposed improvements. Traffic control design and associated government approvals are the responsibility of the Contractor. Comply with local authorities, the latest version of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), and the Wisconsin Manual on Uniform Traffic Control Devices Supplement to the MUTCD.
11. Connect to existing sanitary sewer MH's by coringdrilling. Connect to existing storm sewer MH's by either sawcutting or coringdrilling. Use saws or drills that provide water to the blade. Meet all City standards and specifications for the connection. Reconstruct inverts after installation. Use water stop gaskets in order to provide watertight seals when penetrating a structure wall with a pipe. Take measurements before beginning construction to ensure that service connections do not cut into maintenance access structure joints or pipe barrel joints.
12. All other existing existing sewer and watermain pipes that are to be abandoned shall either be removed, or completely filled with sand or lean mix grout.
13. The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of CI/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."
14. The locations of existing utilities shown on this plan are from record information. The Engineer does not guarantee that all existing utilities are shown or, if shown, exist in the locations indicated on the plan. It is the Contractor's responsibility to ascertain the final vertical and horizontal location of all existing utilities (including water and sewer lines and appurtenances). Notify the Engineer of any discrepancies.
15. The Contractor is solely responsible for all utility locates. Contact utility companies for locations of all public and private utilities within the work area prior to beginning construction. Contact Digger's Hotline at (414) 259-1181 in the Milwaukee Metro Area, or 1-800-242-8511 elsewhere in Wisconsin for exact locations of existing utilities at least 72 hours (not including weekends and holidays) before beginning any construction. Obtain ticket number and meet with representatives of the various utilities at the site. Provide the Owner with the ticket number information. Digger's Hotline is a free service that locates municipal and utility company lines, but does not locate private utility lines. Use an independent locator service or other means in order to obtain locations of private utility lines including, but not limited to, underground electric cables, telephone, TV, and lawn sprinkler lines.
16. Pothole to verify the positions of existing underground facilities at a sufficient number of locations in order to assure that no conflict with the proposed work exists and that sufficient clearance is available.
17. Where existing gas, electric, cable, or telephone utilities conflict with the Work, coordinate the abandonment, relocation, offset, or support of the existing utilities with the appropriate local utility companies. Coordinate new gas meter and gas line installation, electric meter and electric service installation, cable service, and telephone service installation with the local utility companies.
18. Arrange for and secure suitable disposal areas off-site. Dispose of all excess soil, waste material, debris, and all materials not designated for salvage. Waste material and debris includes trees, stumps, pipe, concrete, asphaltic concrete, cans, or other waste material from the construction operations. Obtain the rights to any waste area for disposal of unsuitable or surplus material either shown or not shown on the plans. All work in disposing of such material shall be considered incidental to the work. All disposal must conform to applicable solid waste disposal permit regulations. Obtain all necessary permits at no cost to the OWNER.
19. Straight line saw-cut existing bituminous or concrete surfacing at the perimeter of pavement removal areas. Use saws that provide water to the blade. Do not allow the slurry produced by this process to be tracked outside of the immediate work area or discharged into the sewer system. Tack and match all connections to existing bituminous pavement.
20. Relocate overhead power, telephone, and cable lines as required. Seal and report any existing unused on-site wells and septic systems.
21. All materials required for this work shall be new material conforming to the requirements for class, kind, grade, size, quality, and other details specified herein or as shown on the Plans. Do not use recycled or salvaged aggregate, asphaltic pavement, crushed concrete, or scrap stings. Unless otherwise indicated, the Contractor shall furnish all required materials.
22. Reconstruct driveways and patch street to match existing pavement section and grade. Sod right-of-way. The work area shown is general and may need to be adjusted in the field.
23. Restore the public right-of-way at temporary construction entrance locations. Replace any concrete curb and gutter, bituminous pavement, sidewalk, or vegetative cover damaged by the construction activity. Restore damaged turf with sod within the public right-of-way. The work area shown is general and may need to be adjusted in the field.
24. Protect sub grades from damage by surface water runoff.
25. When sawing or drilling concrete or masonry, use saws that provide water to the blade. Do not allow the slurry produced by this process to be tracked outside of the immediate work area or discharged into the sewer system.
26. Adjust all curb stops, valve boxes, maintenance hole castings, catchbasin castings, cleanout covers, and similar items to finished grade.
27. Install all pipe with the ASTM identification numbers on the top for inspection. Commence pipe laying at the lowest point in the proposed sewer line. Lay the pipe with the bell end or receiving groove end of the pipe pointing upgrade. When connecting to an existing pipe, uncover the existing pipe in order to allow any adjustments in the proposed line and grade before laying any pipe. Do not lay pipes in water or when the trench conditions are unsuitable for such work.
28. Obtain and pay for all permits, tests, inspections, etc. required by agencies that have jurisdiction over the project, including the NPDES permit from the State. The Contractor is responsible for all bonds, letters of credit, or cash sureties related to the work. Execute and inspect work in accordance with all local and state codes, rules, ordinances, or regulations pertaining to the particular type of work involved.
29. Obtain permits from the City for work in the public right-of-way.
30. Refer to the geotechnical report by the Soils Engineer for dewatering requirements.
31. The minimum depth of cover for building and canopy roof drain leaders without insulation is 5 feet. Insulate roof drain leaders at locations where the depth of cover is less than 5 feet. Provide a minimum insulation thickness of 2 inches. The insulation must be at least 4 feet wide and centered on the pipe. Install the insulation boards 6 inches above the tops of the pipes on mechanically compacted and leveled pipe bedding material. Use high density, closed cell, rigid board material equivalent to DOW Styrofoam HI-40 plastic foam insulation.
32. Construct sanitary sewer, watermain, and storm sewer utilities in accordance with the Standard Specifications for Sewer and Water Construction in Wisconsin, Sixth Edition, or the latest revised edition.
33. Tracer Wire: Locating requirements - a means to locate buried underground exterior non metallic sewers/main must be provided with tracer wire or other methods in order to be located in accord with the provisions of these code sections. See 82.0715(2) of the statutes. Install detectable underground marking tape buried above all non metallic, non conductive, and non magnetic, polyethylene, and other nonconductive underground utilities at a depth of 457 mm (18 inches) below finished grade, unless otherwise indicated. Bring the tape to the surface at various locations in order to provide connection points for locating underground utilities. Install green Rhino Triview Flex Test Stations, or approved equal, with black caps at each surface location.
34. See architectural for building waterproofing and foundation drainage.
35. Secure and deliver to the Owner as-built information showing locations, top, and invert elevations of maintenance holes, catchbasins, cleanouts, inlet and outlet pipes, valves, hydrants, and related structures. Location ties shall be to permanent landmarks or buildings.
36. Place #3 rebar at 3' on center in all 6" thick concrete pavement locations. Place #4 rebar at 1' on center in all 8" thick concrete pavement locations.
37. Place #4 x 2'-0" tie bar at 3' on center in all concrete curb and gutter.



5' x 10' REINFORCED CONCRETE UNDERGROUND STORAGE SYSTEM

STORM DRAINAGE :

1. Unless otherwise indicated, use reinforced, precast, concrete maintenance holes and catchbasins conforming to ASTM C478, furnished with water stop rubber gaskets and precast bases. Joints for all precast maintenance hole sections shall have confined, rubber "O"-ring gaskets in accordance with ASTM C923. The inside barrel diameter shall not be less than 48 inches.
2. Install catchbasin castings with specified top elevation at the front rim.
3. All joints and connections to catchbasins or manholes shall be watertight. Joints between concrete structures and piping shall be made with mechanical joints (resilient rubber seal/boot and clamp) in conformance with ASTM C923, ASTM C654, or as otherwise permitted by the local authority. Cement mortar joints are not allowed unless otherwise permitted by the administrative authority.
4. The building sewer starts 2 feet outside of the building. See Uniform Plumbing Code (UPC) part 715.1. Material installed within 2 feet of the building must be of materials approved for use inside of or within the building.
5. PVC Pipe (Outside of the Building): Use solid-core, SDR-35, ASTM D3034 Polyvinyl Chloride (PVC) Pipe for designated PVC storm sewer services 4 to 15-inches in diameter outside of the building. Use solid-core, SDR-35, ASTM F679 Polyvinyl Chloride (PVC) pipe for



*Not to Scale

designated PVC storm sewer services 18 to 27-inches in diameter outside of the building. Joints for all storm sewer shall have push-on joints with elastomeric gaskets. Use of solvent cement joints is allowed for building services. Solvent cement joints in PVC pipe must include use of a primer which is of contrasting color to the pipe and cement in accordance with Uniform Plumbing Code (UPC), part 605.13.2. Pipe with solvent cement joints shall be joined with PVC cement conforming to ASTM D2564. Lay all PVC pipe on a continuous granular bed. Installation must comply with ASTM D2321.

6. Cleanouts: Install cleanouts on all roof drains in accordance with S.P.S. 382.35 (3)(c)(1). The distance between cleanouts in horizontal piping shall not exceed 100 feet for pipes 10-inches and under in size. Cleanout shall be of the same nominal size as the pipes they serve. Install a meter box frame and solid lid (Neenah R-1914-A, or approved equal) over all cleanouts.

7. RCP: Reinforced concrete pipe (RCP) and fittings shall conform to ASTM C76, Design C, with circular reinforcing for the class of pipe specified. Use Class IV RCP for pipes 21" and larger. Use Class V RCP for pipes 18" and smaller. Joints shall be Bureau of Reclamation type R-4, with confined rubber "O"-ring gaskets in accordance with C361.

8. Testing: Test all portions of storm sewer that are within 10 feet of buildings, within 10 feet of buried water lines, within 50 feet of water wells, or that pass through soil or water identified as being contaminated in accordance with UPC part 1109.0. Test all flexible storm sewer lines for deflection after the sewer line has been installed and backfill has been in place for at least 30 days. No pipe shall exceed a deflection of 5%. If the test fails, make necessary repairs and retest.

9. Drains: Perforated under-drains shall be slotted single wall corrugated HDPE. Install drainite with high permeability circular knit polymeric filament filter screen per ASTM D6707-01.

10. Use Neenah R-3067-DR/DL casting with curb box, or approved equal, on CB #3 and CB#4. Casting shall include the "NO DUMPING, DRAINS TO RIVER" environmental notice.

11. Use Neenah Foundry Co. R-1642 casting with self-sealing, solid, type B lid, or approved equal, on all storm sewer maintenance holes. Covers shall bear the "Storm Sewer" label.

12. Tracer Wire: Locating requirements - a means to locate buried underground exterior non metallic sewers/main must be provided with tracer wire or other methods in order to be located in accord with the provisions of these code sections. See 82.0715(2) of the statutes. Install detectable underground marking tape buried above all non metallic, non conductive, and non magnetic, polyethylene, and other nonconductive underground utilities at a depth of 457 mm (18 inches) below finished grade, unless otherwise indicated. Bring the tape to the surface at various locations in order to provide connection points for locating underground utilities. Install green Rhino Triview Flex Test Stations, or approved equal, with black caps at each surface location.

13. The minimum depth of cover for building and canopy roof drain leaders without insulation is 5 feet. Insulate roof drain leaders at locations where the depth of cover is less than 5 feet. Provide a minimum insulation thickness of 2 inches. The insulation must be at least 4 feet wide and centered on the pipe. Install the insulation boards 6 inches above the tops of the pipes on mechanically compacted and leveled pipe bedding material. Use high density, closed cell, rigid board material equivalent to DOW Styrofoam HI-40 plastic foam insulation.

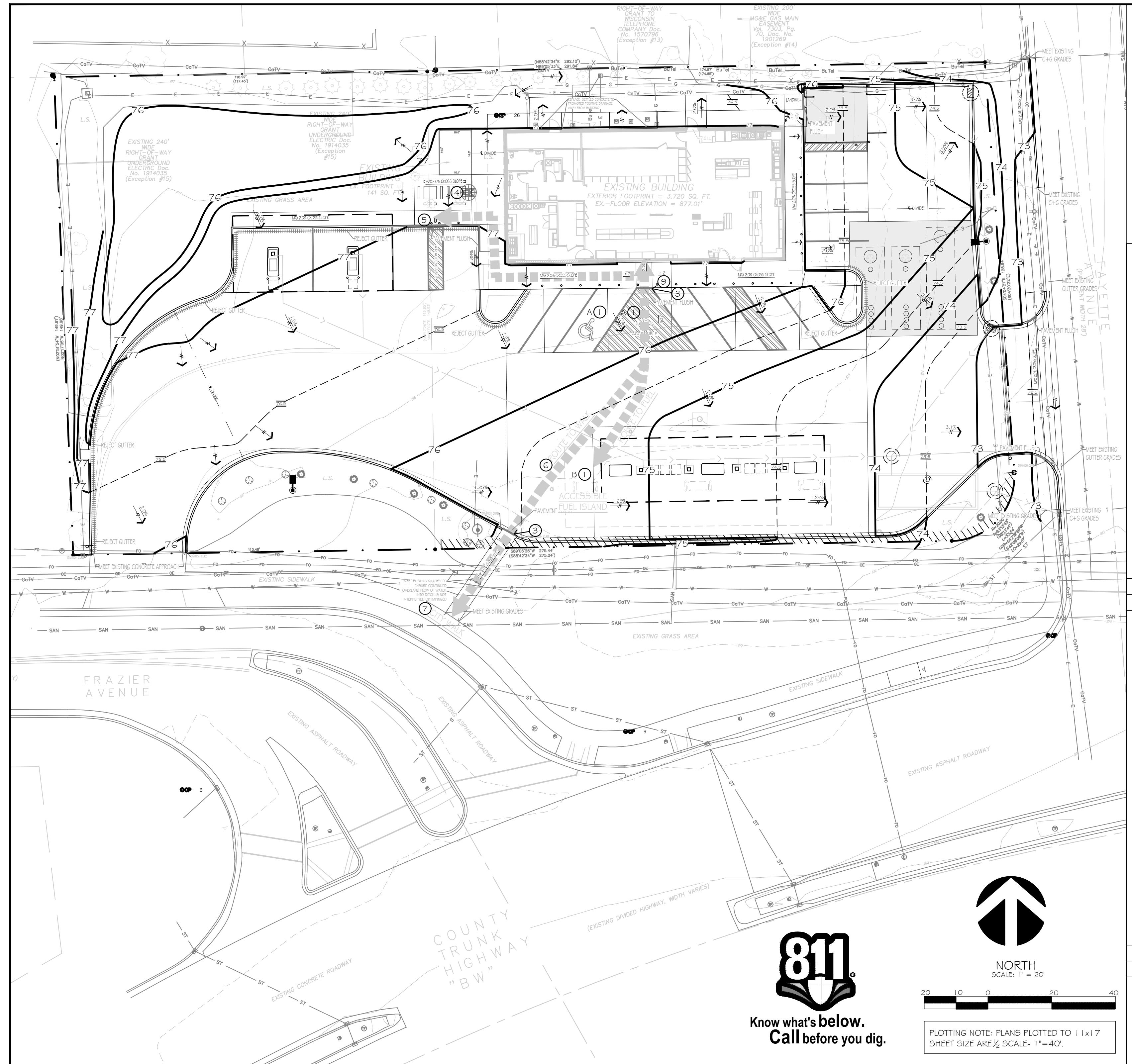
14. Install all pipe with the ASTM identification numbers on the top for inspection. Commence pipe laying at the lowest point in the proposed sewer line. Lay the pipe with the bell end or receiving groove end of the pipe pointing upgrade. When connecting to an existing pipe, uncover the existing pipe in order to allow any adjustments in the proposed line and grade before laying any pipe. Do not lay pipes in water or when the trench conditions are unsuitable for such work.

15. Clean sediment and debris from sewers, sumps and stormwater basins prior to final owner acceptance.

16. Teleview all existing lines prior to connection.

NO.	DATE	DESCRIPTION
-	8/16/18	SUBMITTAL
-	7/17/18	SUBMITTAL
-	2/25/18	ADD CANOPY

DRAWN BY: SP3
SCALE: GRAPHIC
PROJ. NO.: 17965
DATE: 18APR2018
SHEET: 1 of 1050 PM B.B.



PLAN KEYNOTES

1. ACCESSIBLE STALLS
 - A. STRIPING - 2" WIDE STALL LINES, USE HIGH VISIBILITY BLUE PAINT (UNLESS ALTERNATE COLOR SPECIFIED BY LOCAL OR STATE CODES). SPACES PROVIDED
 - (1) 8'-0" x 20' ACCESSIBLE PARKING WITH (1) 8'-0" x 18'-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. TRUNCATED DOME INSERT. COLOR: BURGUNDY. DIMENSIONS OF INSERT AS DETERMINED BY PATH WIDTH TO ENSURE COMPLETE DETECTION ZONE IN LINE OF TRAVEL.
3. PAVEMENTS FLUSH FOR ACCESSIBILITY.
4. PICNIC TABLE W/ ACCESSIBLE PLACEMENT PROVIDE OWNER. PROVIDE TRASH CONTAINER.

NOTES FOR CONVENIENCE STORE ACCESSIBILITY

5. AIR INSTALLED WITH APPROPRIATE 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. ACCESSIBLE ROUTE TO STORE
7. CITY SIDEWALK
8. ACCESS THRU APPROACH MAX- 2% CROSS SLOPE (1:48)
9. CURB RAMP- RAMP SLOPE MAX 1:10 SIDE FLARE SLOPE MAX. 1:10

PROVIDE 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. AIRVACUUM etc. ARE REQUIRED TO HAVE AN ACCESSIBLE ROUTE TO STORE ENTRANCE. CONTROLS SHALL BE ACCESSIBLE 30X48" CLF SPACE AND WITHIN A FORWARD OR SIDE APPROACH REACH RANGE.

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 HAS AUTOMATIC DOOR OPENER 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.

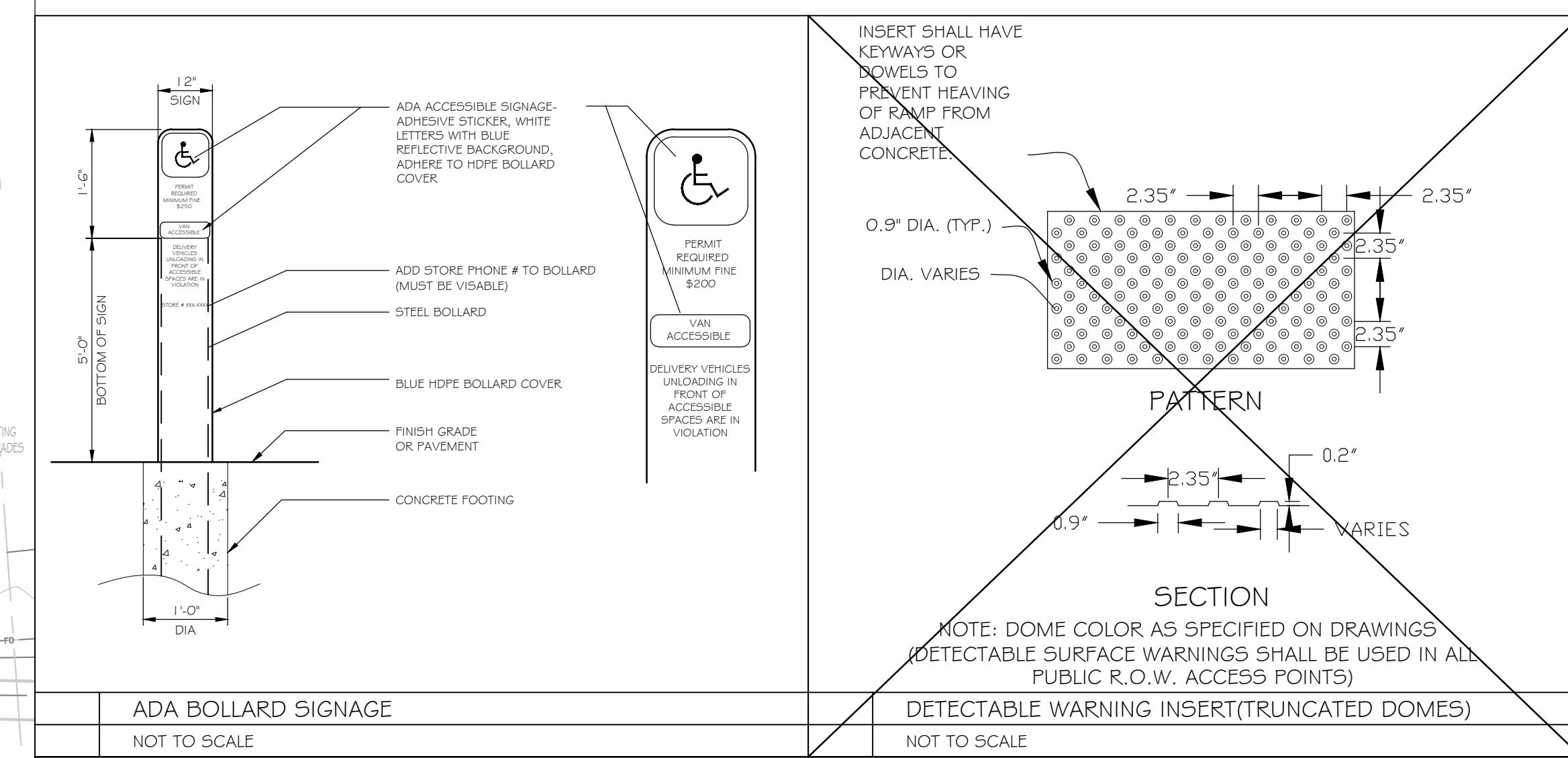
-NO OBJECTS OR DISPLAYS SHOULD PROTRUDE INTO THE MINIMUM CLEAR SPACE OF THE ACCESSIBLE ROUTES TO THE STORE ENTRANCE. THIS WILL INCLUDE SEASONAL DISPLAY VENDING AREAS AS WELL AS OTHER OUTDOOR

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 LIFTS 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 DESIGNATION OF I "VAN ACCESSIBLE" IN EVERY 8' ACCESSIBLE SPACES ON SITE.



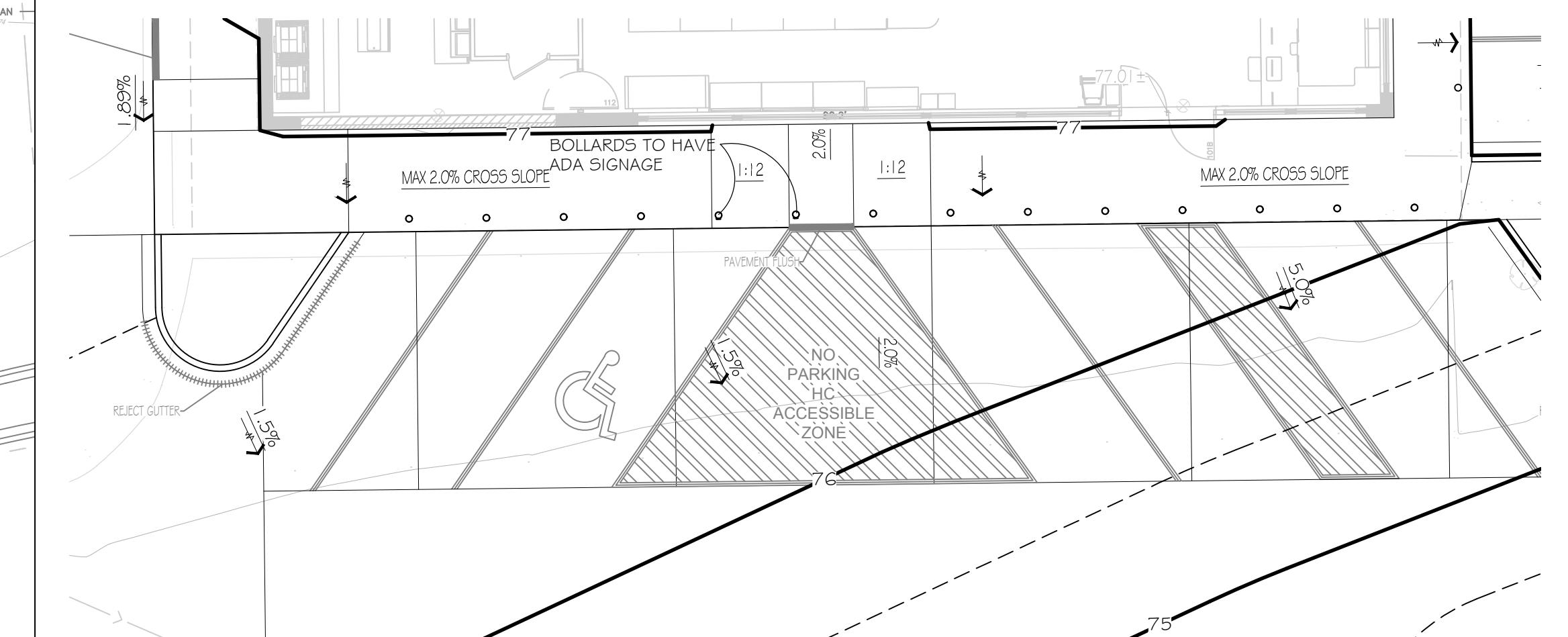
ADA BOLLARD SIGNAGE

NOT TO SCALE

NOTE: DOME COLOR AS SPECIFIED ON DRAWINGS
(DETECTABLE SURFACE WARNINGS SHALL BE USED IN ALL PUBLIC R.O.W. ACCESS POINTS)

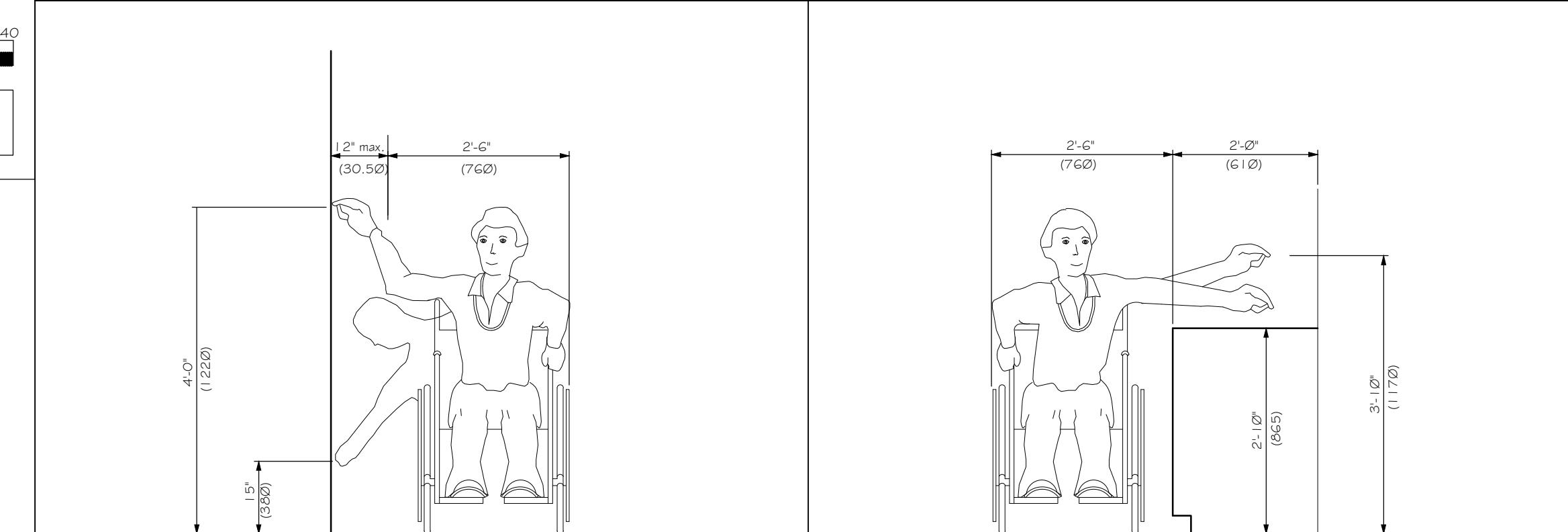
DETECTABLE WARNING INSERT (TRUNCATED DOMES)

NOT TO SCALE



VAN ACCESSIBLE PARKING PLAN

NOT TO SCALE



ACCESSIBLE REACH DIMENSIONS

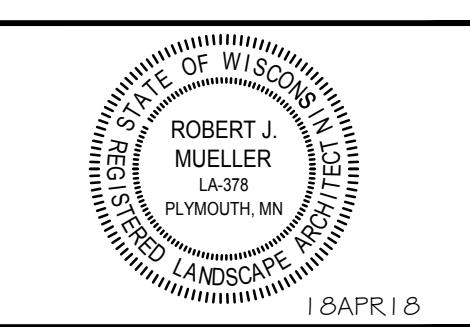
NOT TO SCALE

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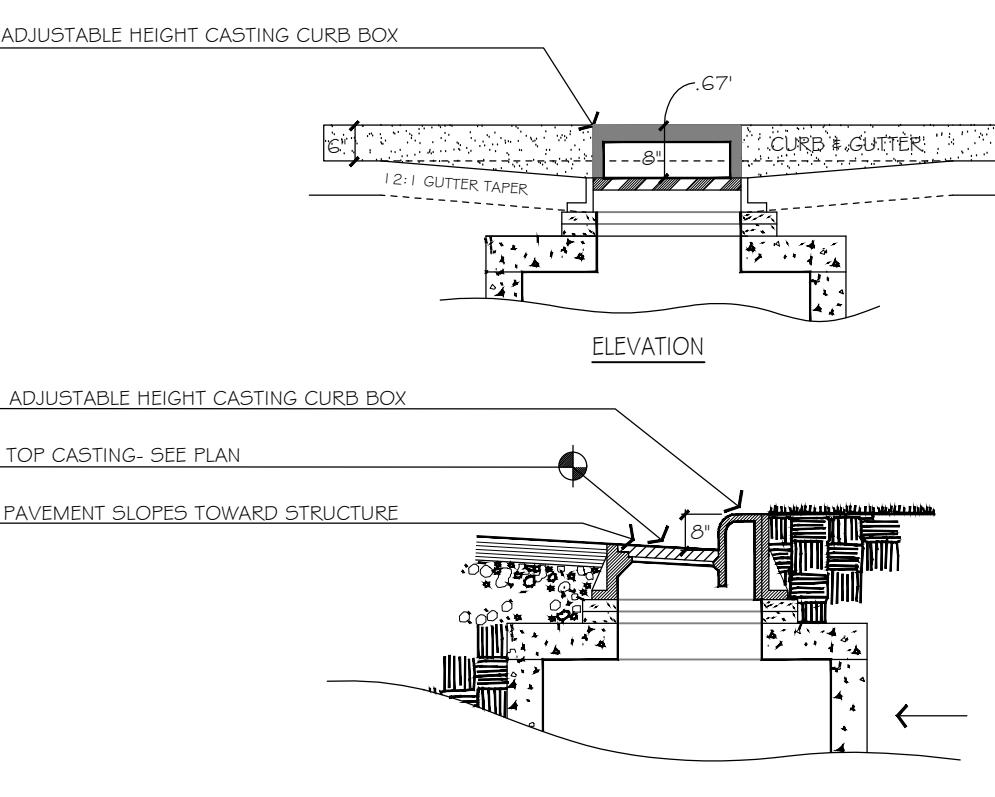
ACCESSIBILITY PLAN
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN

NO. DATE DESCRIPTION
- 06JULY18 SUBMITTAL
- 17JULY18 ADD SUBMITTAL
- 25JULY18 ADD CANOPY
- 03OCT18 COMMISSION COMMENTS

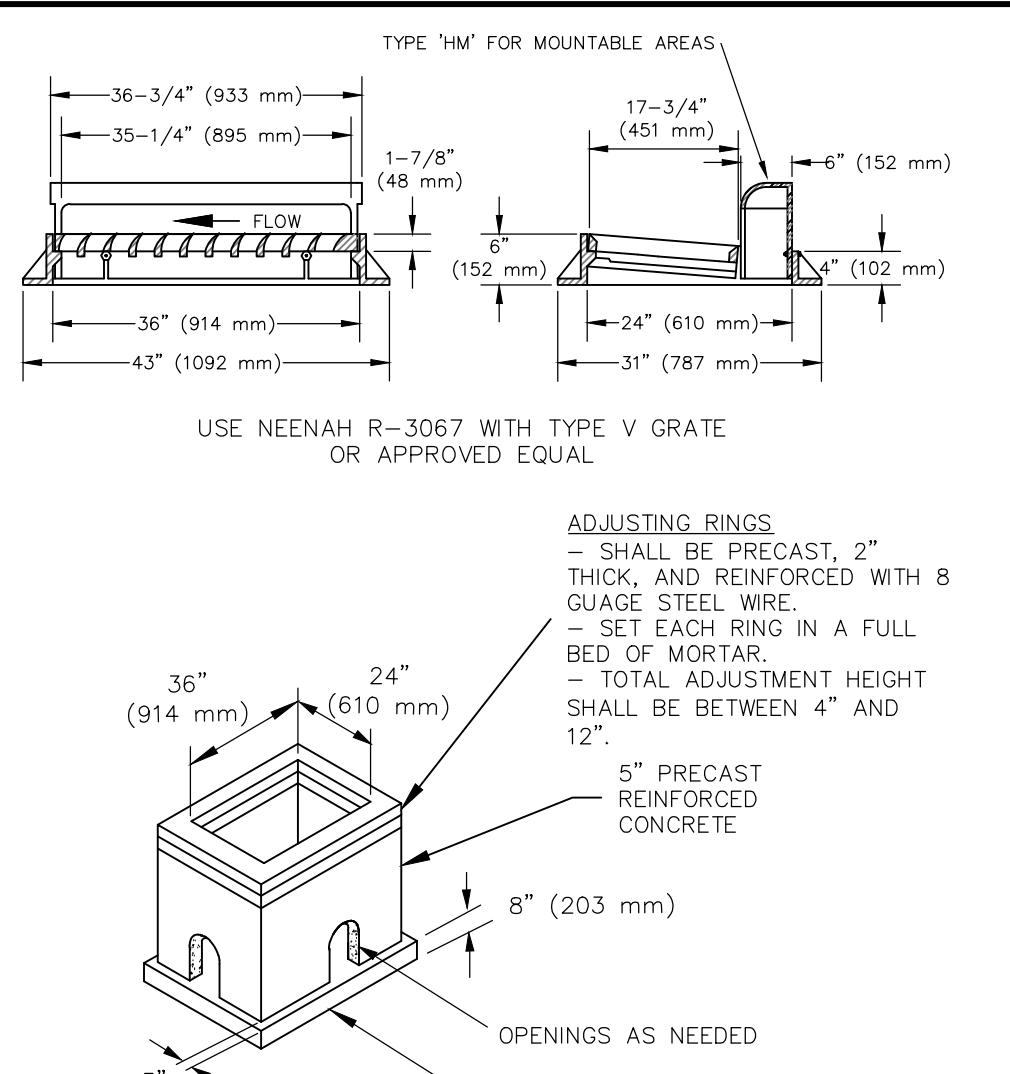
DRAWN BY
SCALE GRAPHIC
PROJ. NO. 17965
DATE 18APR2018
SHEET SPA
17-050 F.M.B.B.

notes 17-050 F.M.B.B.

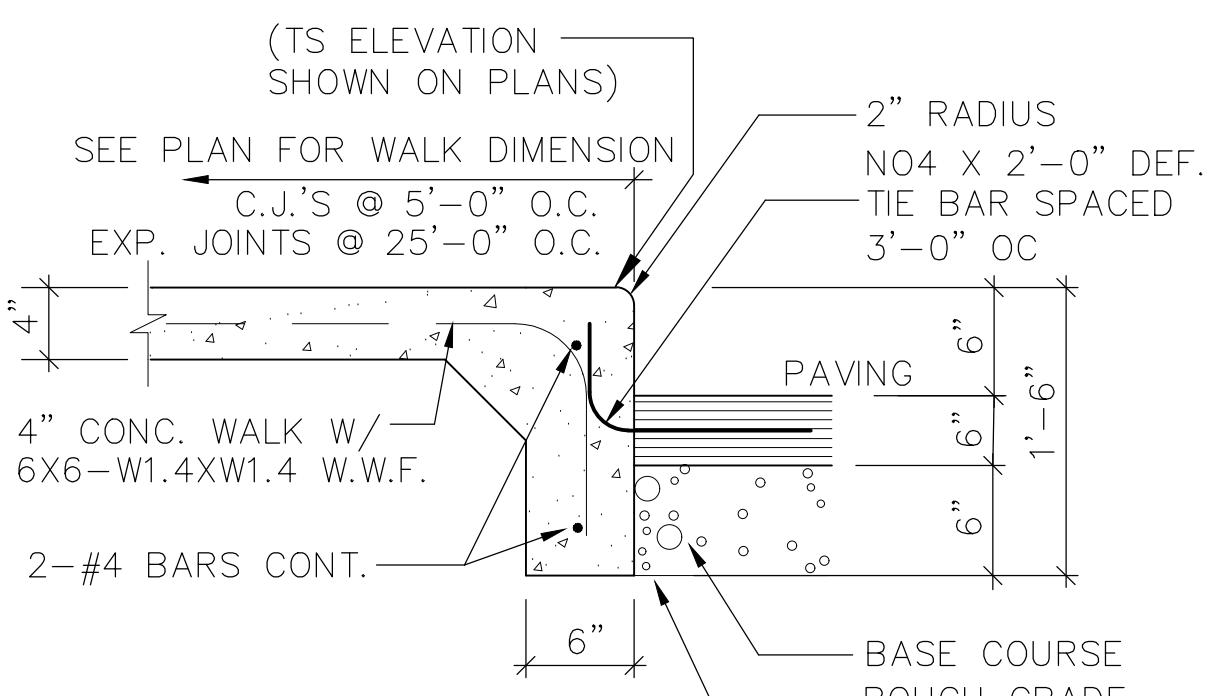
NOTE: THIS CURB CONSTRUCTION DETAIL IS TO BE USED AT LOW POINTS WHEN INDICATED ON PLAN. SEE GRADE PLAN FOR SPECIFIC CURB ELEVATIONS THAT REFLECT 'D' DIFFERENCE FROM TOP OF CURB TO CASTING (SEE ACTUAL CB DETAILS FOR STRUCTURE INFO.)



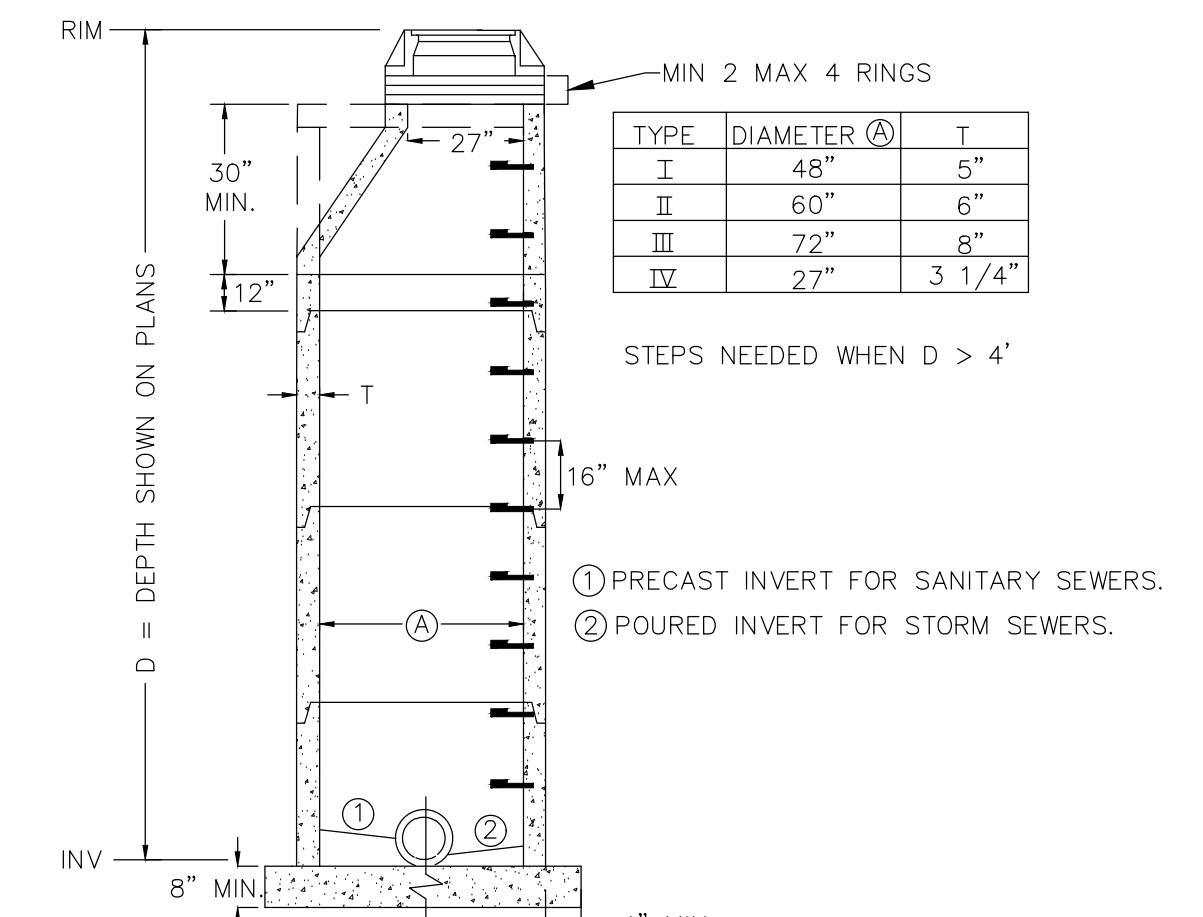
1 | CURBLINE DETAIL AT CATCHBASIN CURB/PAVEMENT LOW POINTS (SPECIFIC LOCATIONS)
SPD | NOT TO SCALE



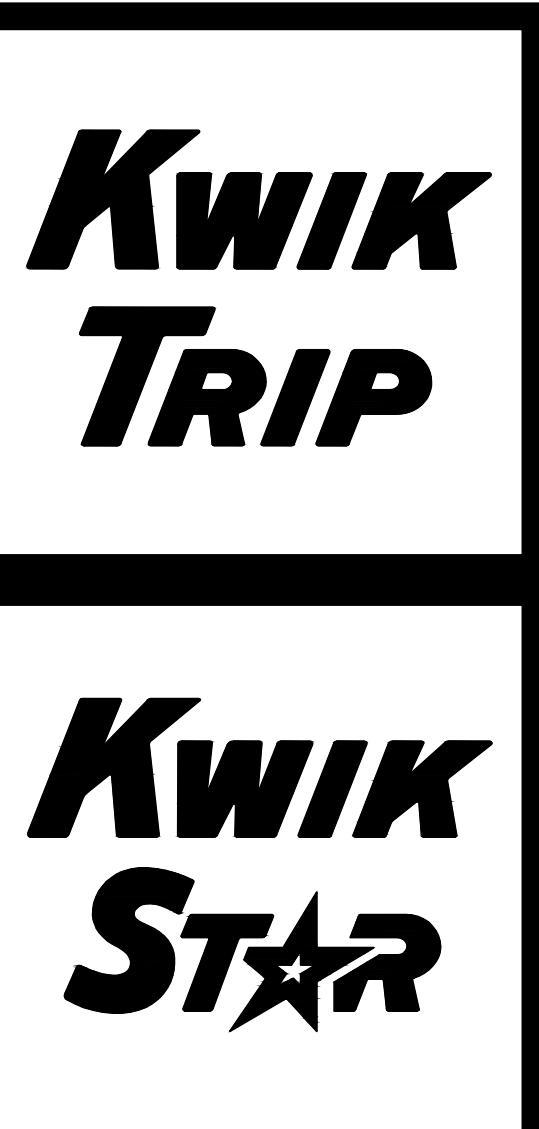
24" x 36" CURB INLET AND CASTING DETAIL
NOT TO SCALE



7 | SIDEWALK/ CURB DETAIL
SPD | NOT TO SCALE



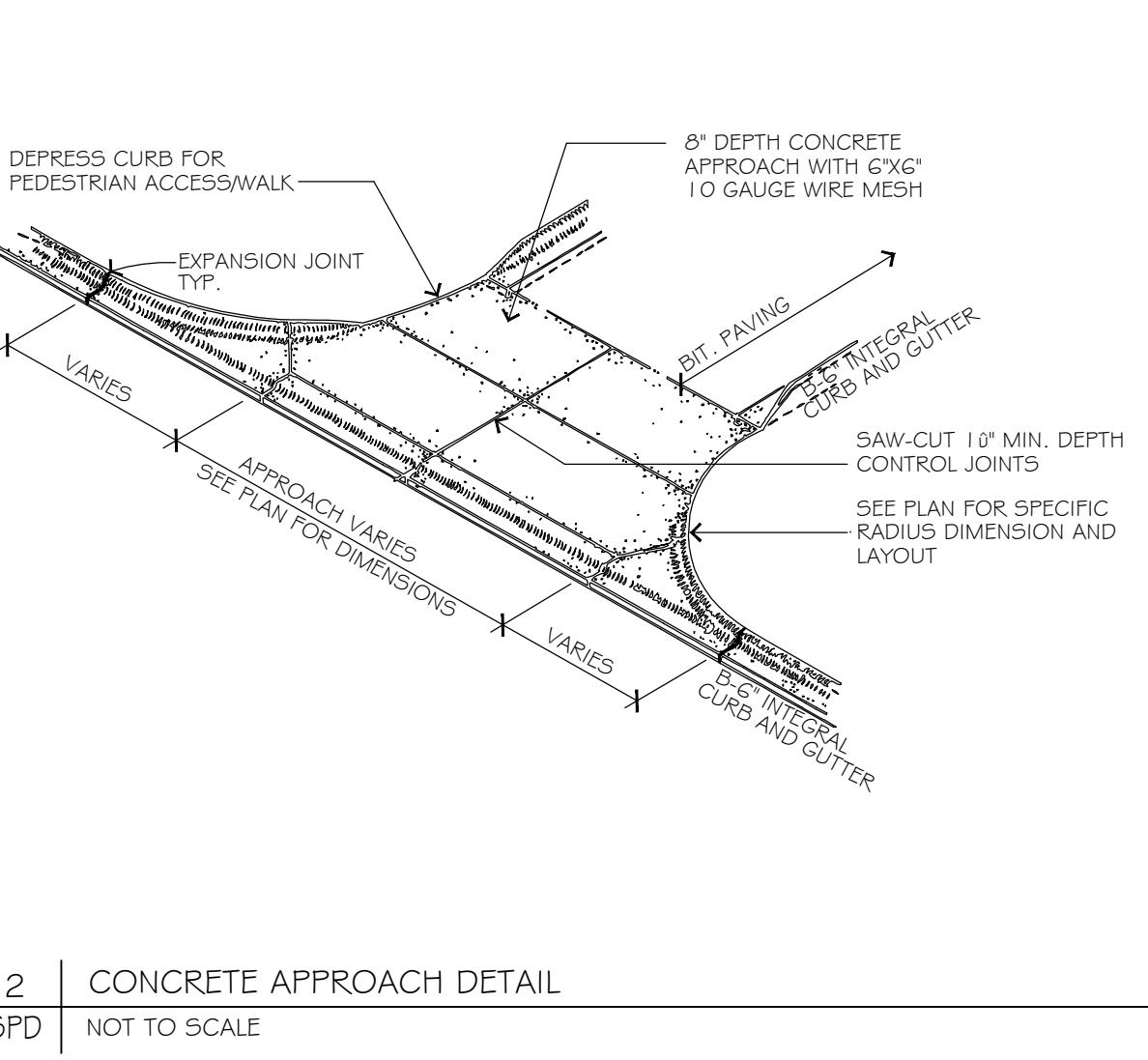
10 | PRECAST REINFORCE CONC. MANHOLE
SPD | NOT TO SCALE



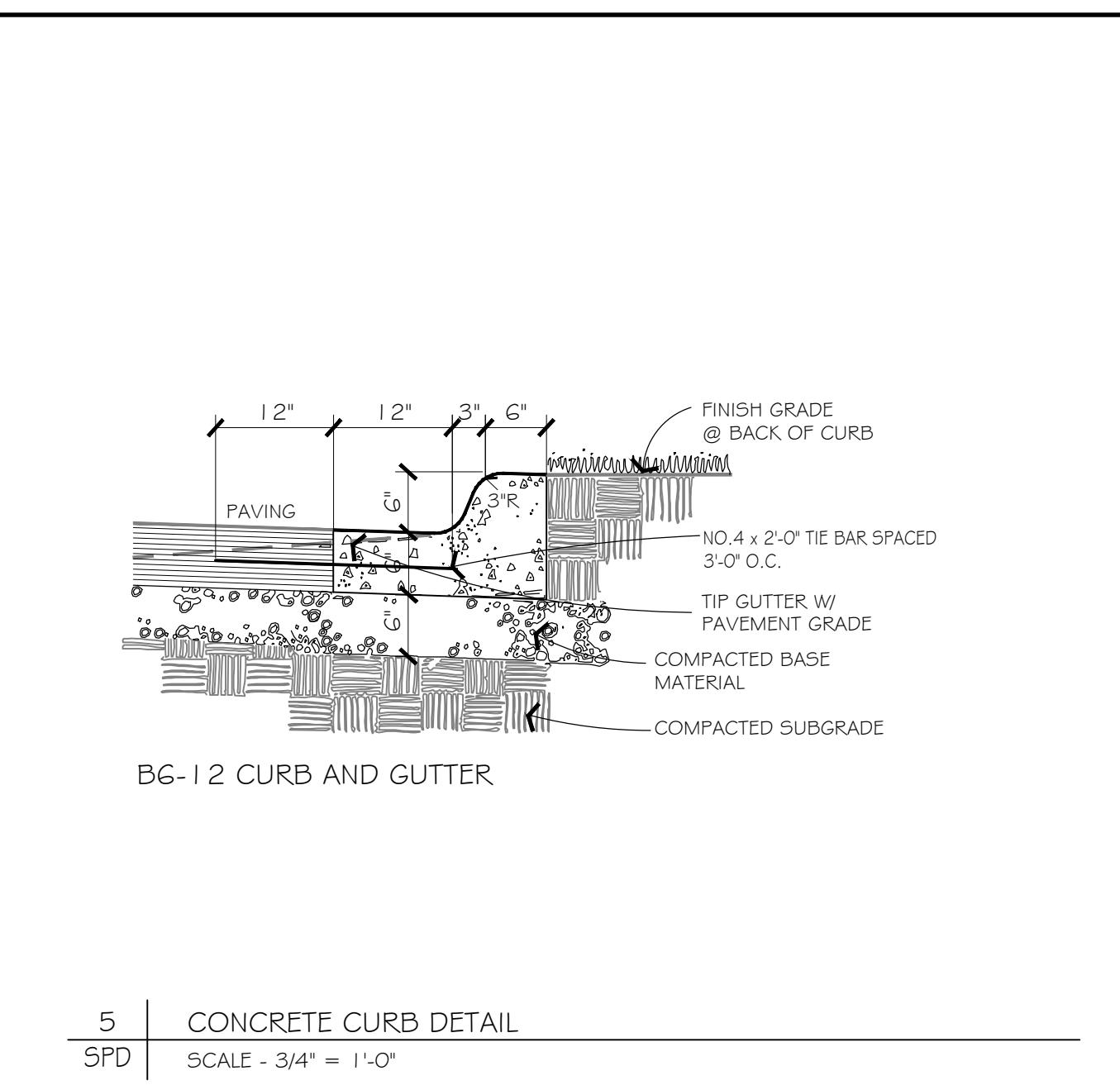
KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LACROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960



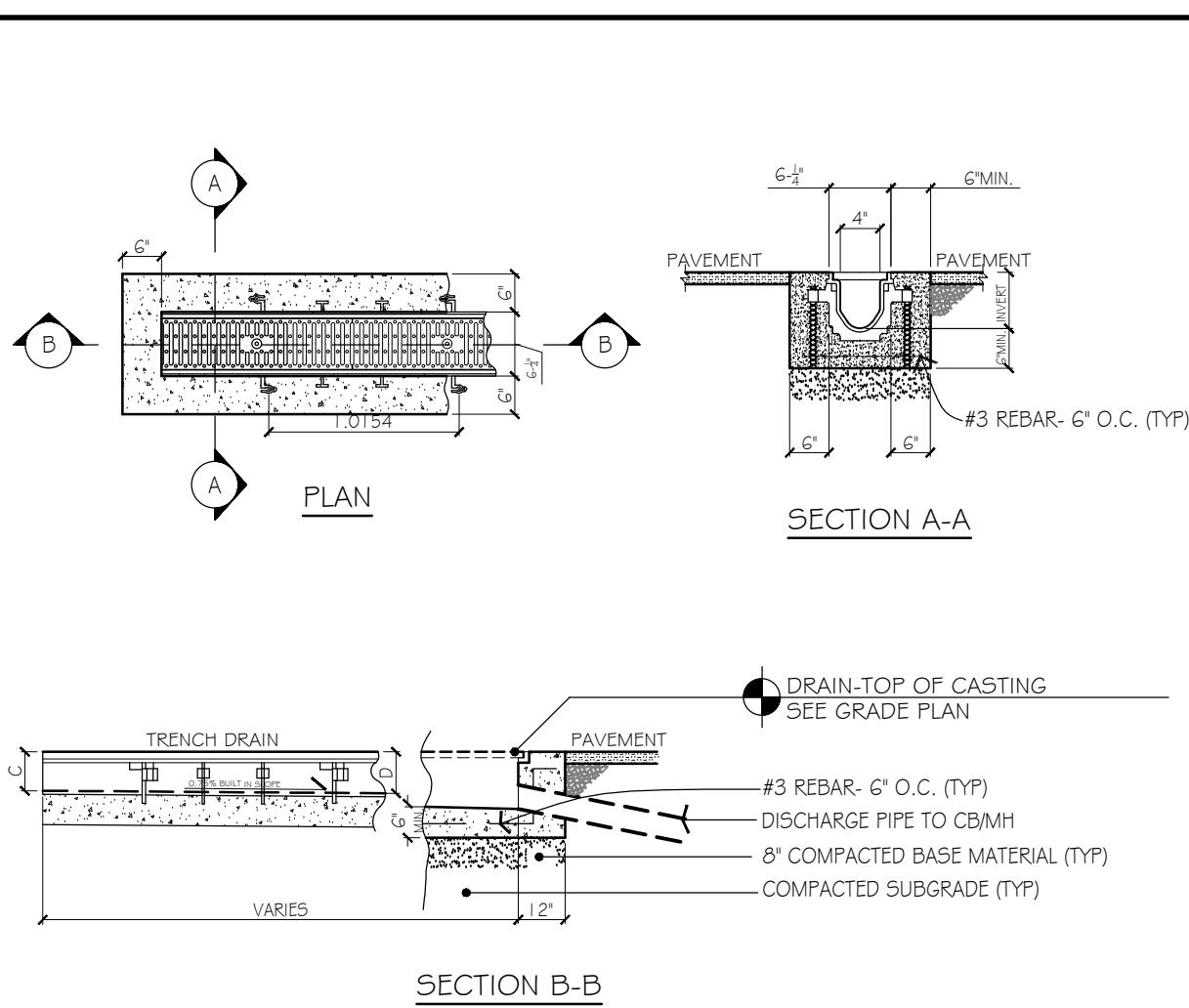
SITE PLAN DETAILS
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN



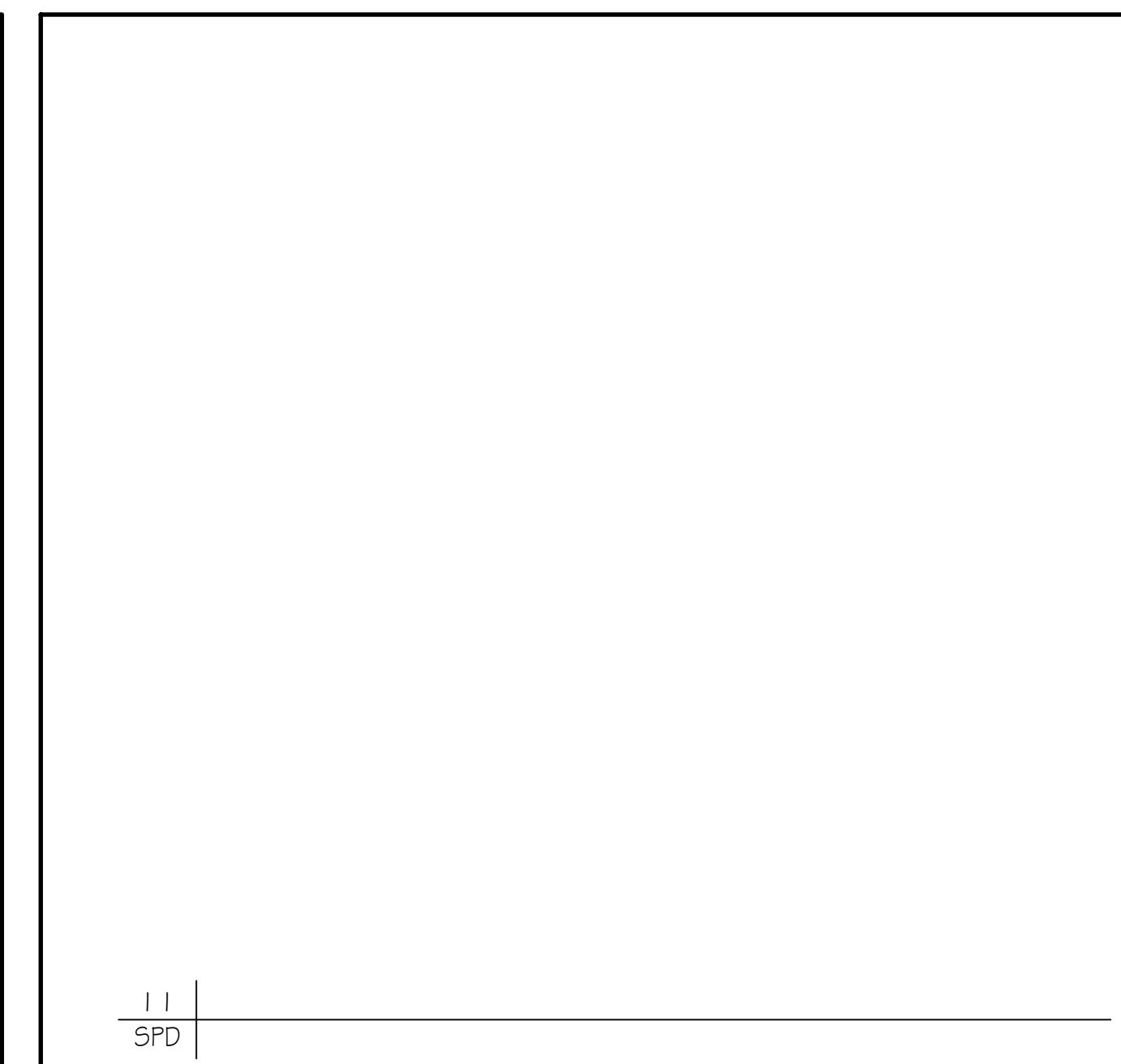
2 | CONCRETE APPROACH DETAIL
SPD | NOT TO SCALE



5 | CONCRETE CURB DETAIL
SPD | SCALE - 3/4" = 1'-0"

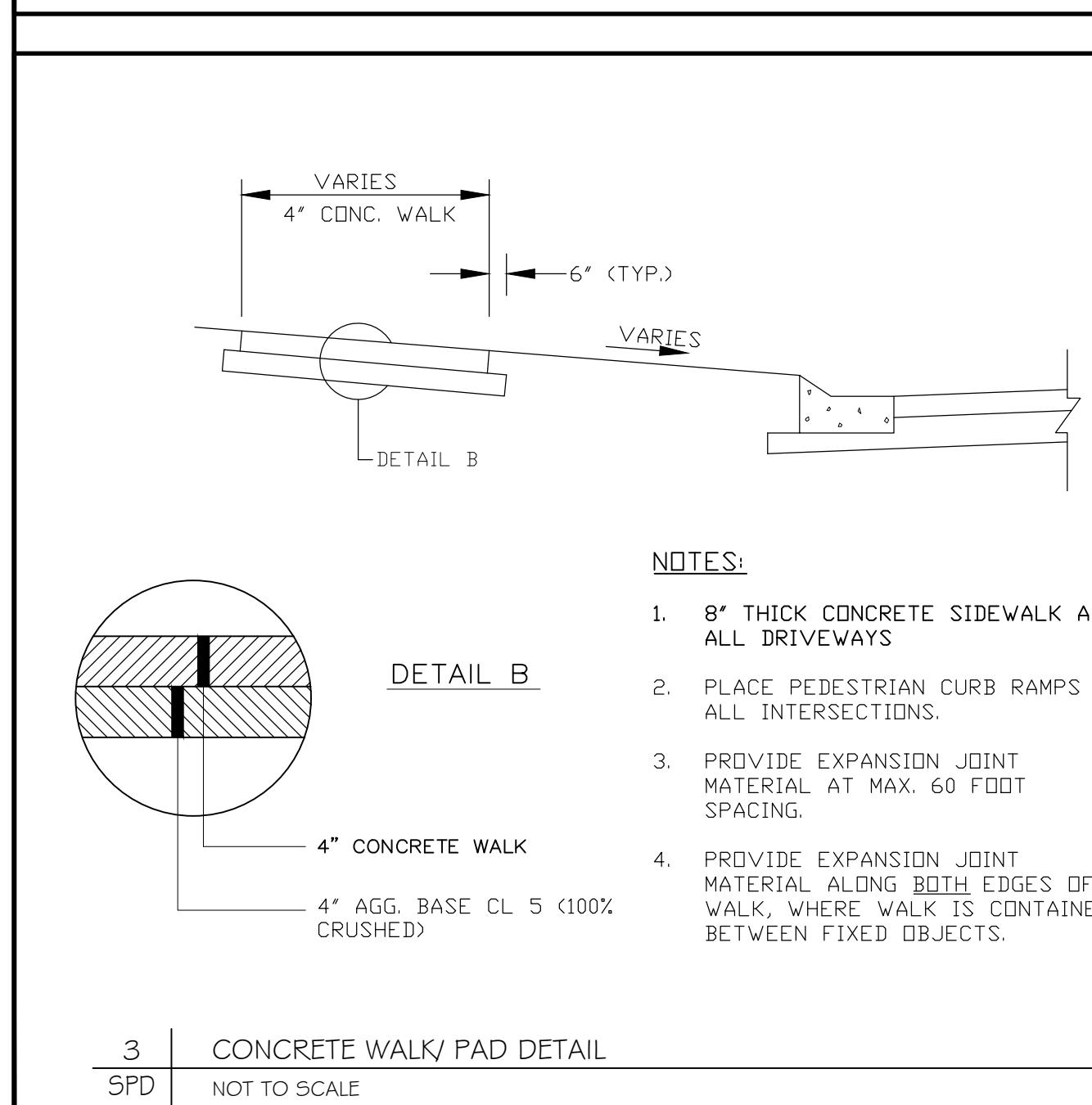


8 | Z 886 TRENCH DRAIN DETAIL
SPD | SCALE - 1/4" = 1'-0"

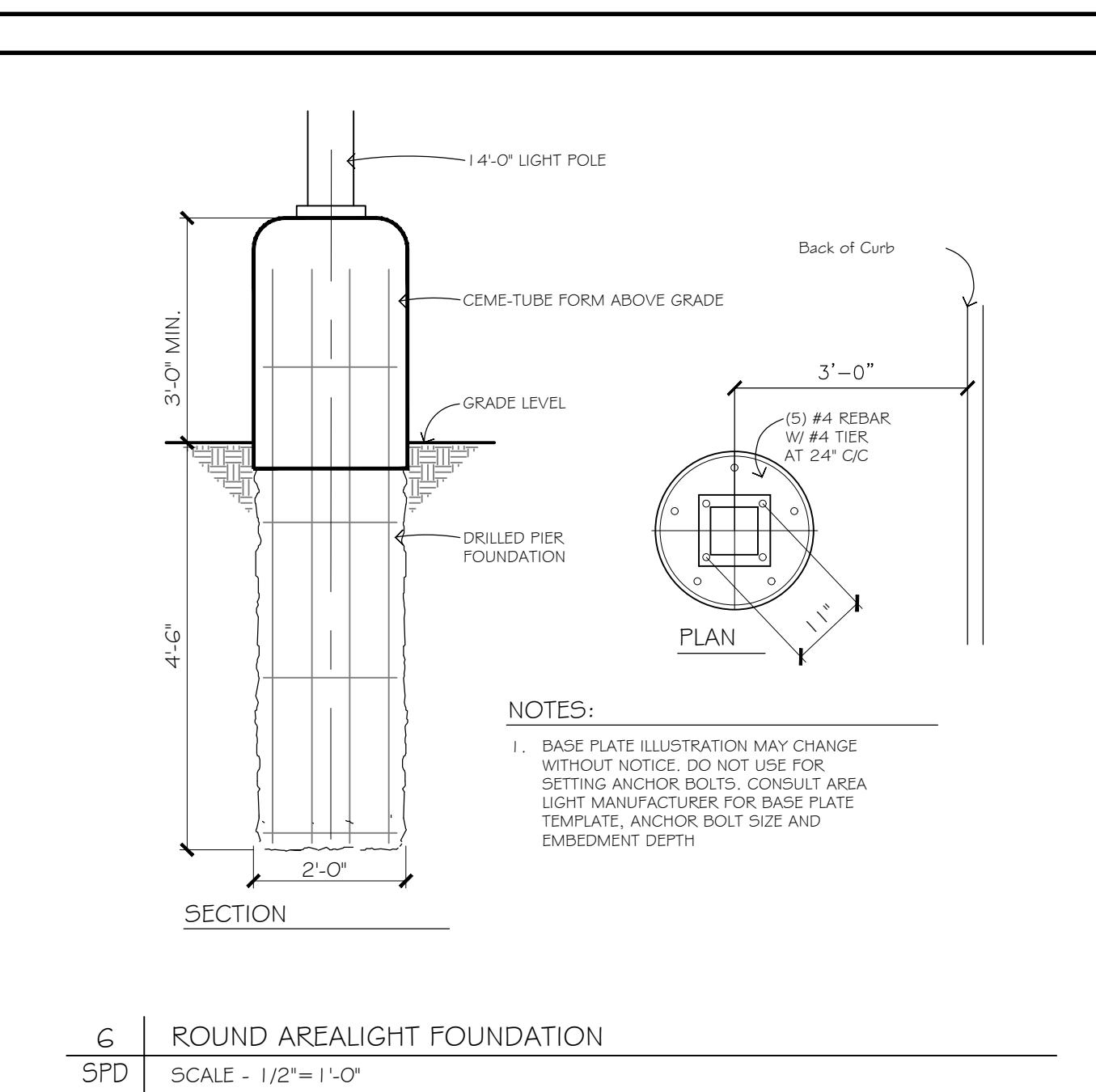


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- 06JUN18 SUBMITTAL
- 17JULY18 ADD CANOPY
- 03OCT18 COMMISSION COMMENTS

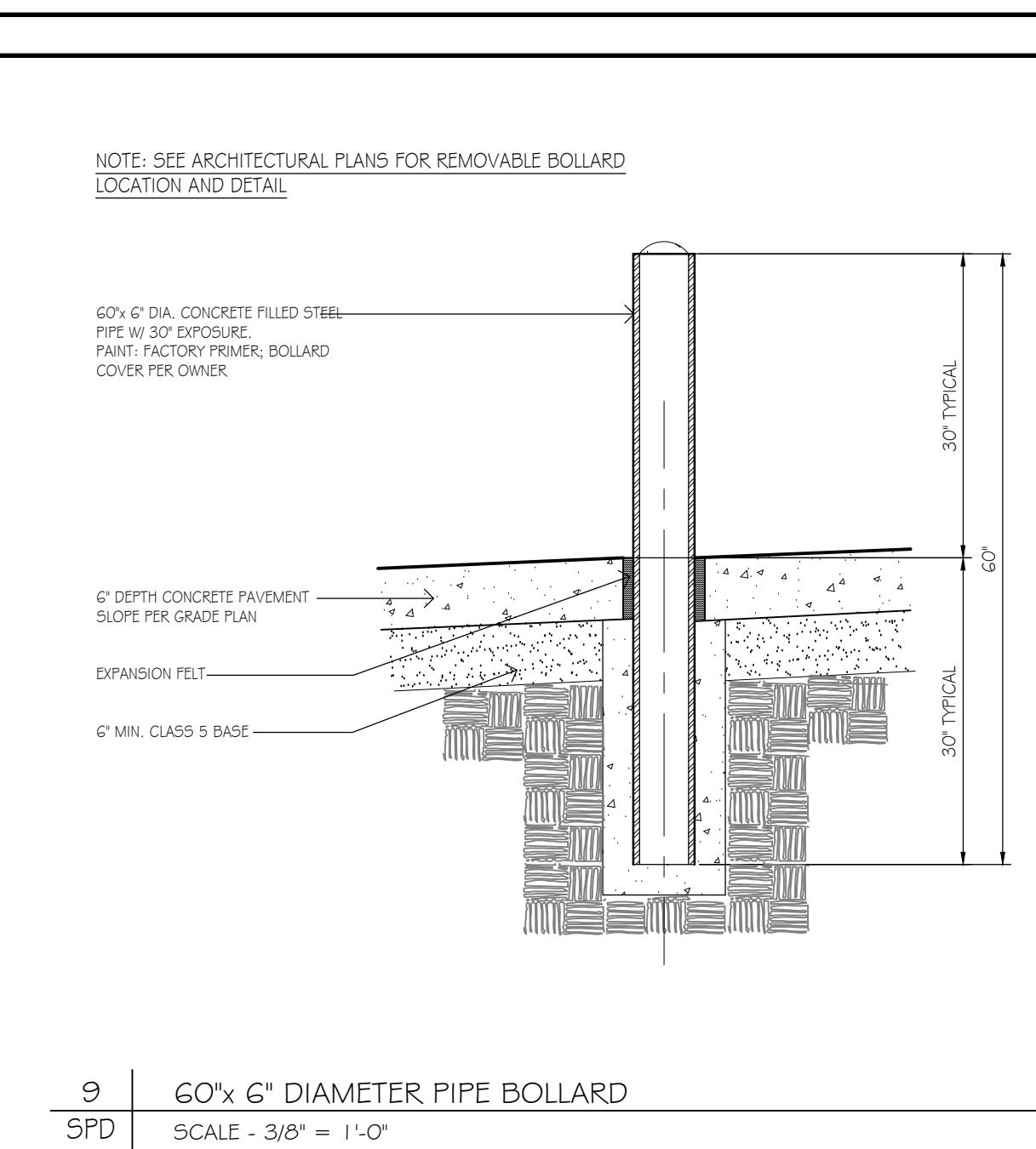
DRAWN BY: I. SCALE: GRAPHIC
PROJ. NO.: 17965
DATE: 18APR2018
SHEET: SPD



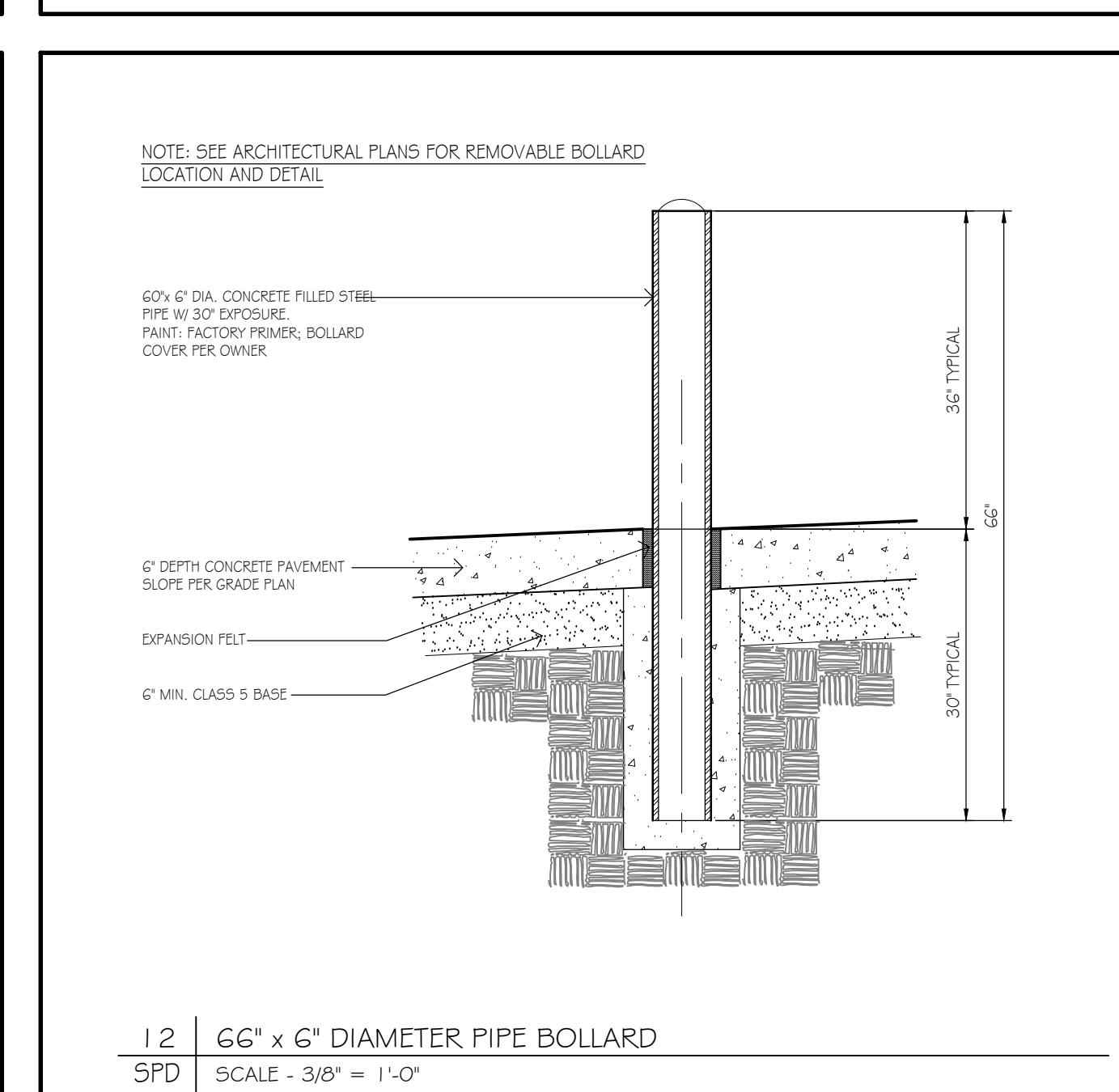
3 | CONCRETE WALK/ PAD DETAIL
SPD | NOT TO SCALE



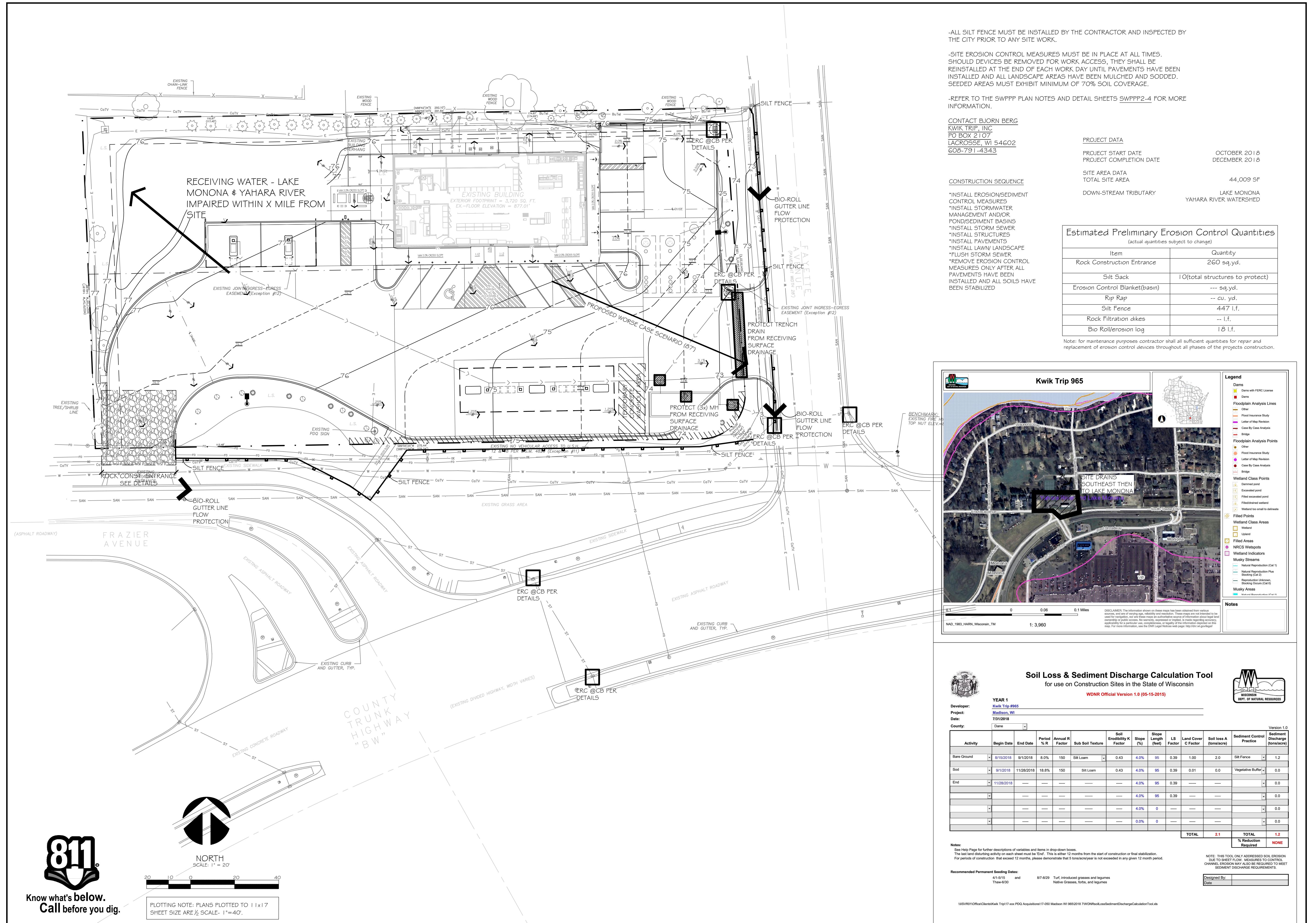
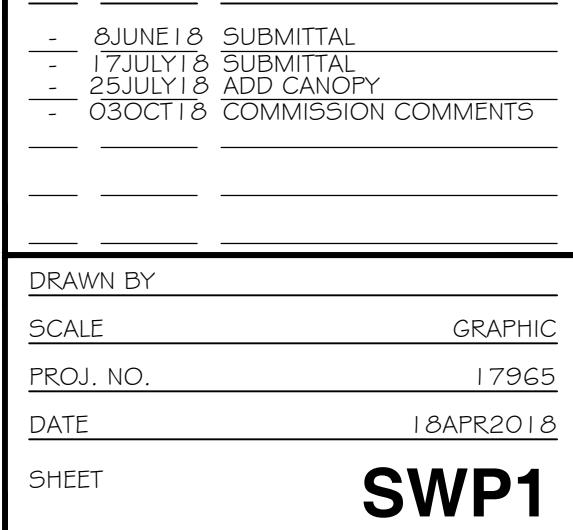
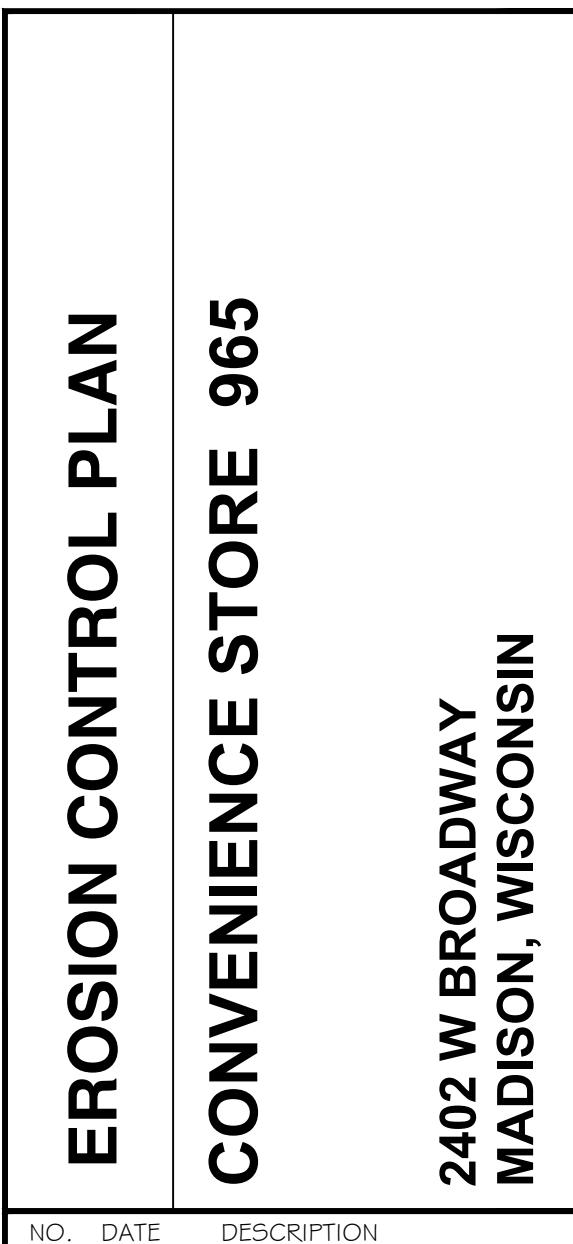
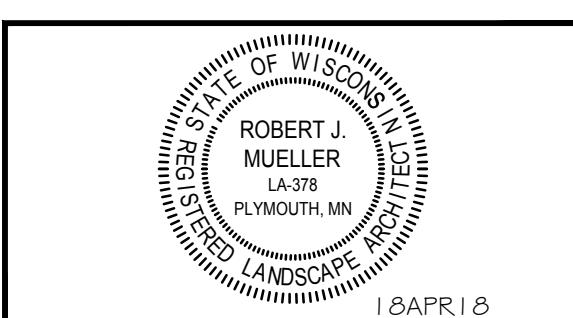
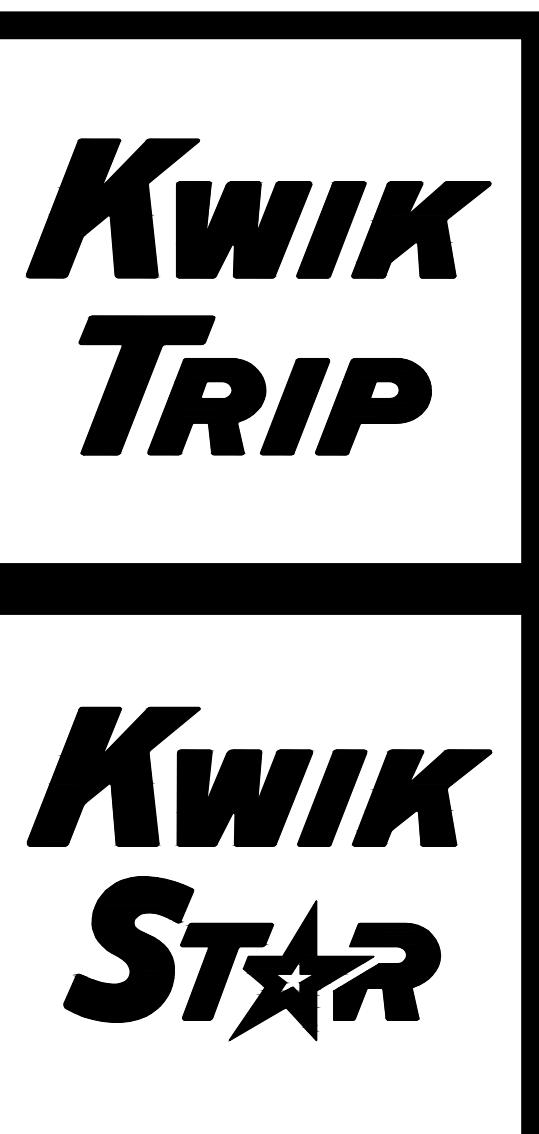
6 | ROUND AREALIGHT FOUNDATION
SPD | SCALE - 1/2" = 1'-0"



9 | 60" x 6" DIAMETER PIPE BOLLARD
SPD | SCALE - 3/8" = 1'-0"



12 | 66" x 6" DIAMETER PIPE BOLLARD
SPD | SCALE - 3/8" = 1'-0"



GENERAL STORMWATER POLLUTION PREVENTION :

Apply for and obtain all necessary permits for Construction Activity.

Stormwater Pollution Prevention Plan (SWPPP): The SWPPP includes this narrative, Plan Sheets SP3, SP3.1 and SP3.2, and the Stormwater Management Calculations. Keep a copy of the SWPPP, all changes to it, and inspections and maintenance records at the site during the construction. During the construction process the SWPP will have to be amended for all changes performed by the contractor, the owner shall be aware of the amendments prior to changes made to the SWPP plan. All notes, photographs, recorded dates, sketches, references, and diagrams will have to be recorded and made available as part of the SWPP permit.

Individual(s) preparing the SWPPP for the project, overseeing implementation of the SWPPP, revising and amending the SWPPP, and at least one individual on the project performing installation, inspection, maintenance, and repairs of BMPs must be trained. The training must be done by a local, state, federal agencies; professional organization; or other entities with expertise in erosion prevention, sediment control, or permanent Stormwater management.

Responsible Parties: The contractor must designate a person knowledgeable and experienced in the application of erosion prevention and sediment control BMPs who will oversee the implementation of the SWPPP, and the installation, inspection, and maintenance of the erosion prevention and sediment control BMPs before and during construction.

The owner is responsible for identifying who will have responsibility for the long term operation and maintenance of the permanent stormwater management systems.

Owner contact:

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

SITE INVESTIGATION, INSTALLATION, IMPLEMENTATION :

- Prior to any work, contractor shall visit the site, document existing conditions as necessary (photos, notes, etc) and note existing drainage patterns on and off site that are related to the project. These notes shall be part of the SWPP.
- Install all temporary erosion and sediment control measures including silt fence, rock construction entrance(s), erosion control berms, rock filters, silt sacks, rock/earth berms, and sedimentation basins. Protect all receiving waters, catch basins, ditches, inlets etc. in and around the site. All protective and preventative measures must be in place and inspected prior to beginning site cleaning, grading, or other land-disturbing activity.
- Prior to beginning site cleaning and grading, protect all storm sewer inlets that receive runoff from disturbed areas. In order to prevent sediment from leaving the site and entering the downstream storm sewer system, seal all storm sewer inlets that are not needed for site drainage during construction. Protect all other storm sewer inlets by installing sediment control devices, such as silt sacks, or rocked filtration logswires. Straw bales or fabric under the grates are not acceptable forms of inlet protection. Protect new storm sewer inlets as they are completed. Maintain storm sewer inlet protection in place until all sources with potential for discharging to the inlets are stabilized.
- Before beginning construction, install a TEMPORARY ROCK CONSTRUCTION ENTRANCE at each point where vehicles exit the construction site. When at all possible contractor shall designate only one access point for vehicles entering and exiting the site. The rock on the entrance will have to be inspected daily and replaced or rock supplemented by the contractor when over 50% of the voids in the rock are filled. A cleaning station should be made available to drivers and visibly signed as such. Provide shovels, brooms and/or hose with a wash out area so soils can be removed from vehicles on site.
- Avoid entire removal of trees and surface vegetation all at once whenever possible as this limits the amount of site susceptible to erosion. Schedule construction zones and note this on the SWPP plan in order to expose the smallest practical area of soil at any given time. Utilize vegetation removed by on site grinding and mulching and using this material to protect the soil from erosion.
- Following initial soil disturbance or re-disturbance, complete permanent or temporary stabilization against erosion due to rain, wind, and running water within 7 calendar days on all disturbed or graded areas. This requirement does not apply to those areas that are currently being used for material storage on a daily basis or for those areas on which grading, site building, or other construction activities are actively underway. Provide temporary cover on all stacked topsoil piles, and other areas of stockpiled excavated material in order to prevent soil erosion and rapid runoff during the construction period. Stockpiles can be mulched, covered with poly or fabric, and or seeded during prolonged exposure. Prolonged periods of open, bare earth without grass cover will not be permitted. Stabilize all disturbed greenspace areas with a minimum of 4" topsoil immediately after final subgrade completion. Seed and mulch, or sod and protect these areas within 48 hours after completion of final grading work (weather permitting). Stabilize all disturbed areas to be paved using early application of gravel base. Stabilize the normal wetted perimeter of any temporary or permanent drainage ditch that conveys water from the construction site, or diverts water around the construction site, within 200 linear feet from the property edge, or within 200 feet from the point of discharge to any surface water. Stabilize temporary or permanent drainage ditches within 24 hours of connecting to a surface water. Protect outfalls minimum of 200feet down stream and to the side of the discharge point. Additional setting "posts" achieved by filter logs or filtered stick bales staked in the channel will dissipate the water energy. Provide pipe outlets with temporary or permanent energy dissipation within 24 hours of connection to a surface water.
- Receiving Waters - It is the contractors responsibility to inspect the site discharge point as well as downstream to the receiving body of water (pond, lake, stream, etc.) on a regular basis including after each storm event and document if any differences or changes in normal discharge and if material is leaving the construction site. If so it shall be documented and removed immediately.

NOTE: ALL EROSION AND SEDIMENT CONTROL DEVICES WILL BE CHECKED BY THE CONTRACTOR AFTER EACH STORM EVENT AND BE MAINTAINED, OR IMPROVED UPON AFTER EVERY STORM EVENT TO ENSURE ADEQUATE PERFORMANCE.

POLLUTION CONTROL :

- Designate a Concrete Wash-out and truck wash area:
Make it visible in the field to vehicle operators and note this on the SWPP plan.
- When washouts occur on the site, concrete washout water must be contained in a leak-proof containment facility or impermeable liner. Liquid and solid wastes may not touch the ground and there must not be runoff from the concrete washout operations or areas.
- On sites where Concrete Washout areas are not feasible as shown on the Detail Sheet, above ground methods and/or off-site methods can be utilized as approved by Owner.
- Concrete washout may be provided off-site by Concrete Contractor or Concrete Supplier, at an approved washout disposal area. Concrete Supplier may provide Concrete Washout Areas on-board their transports for disposal off-site. Concrete Contractor shall verify with Supplier in regards to provided Concrete Washout areas on and off-site, as necessary.
- Limit external washing of trucks and other construction vehicles to a defined area preferably before the construction access/exit point. Wash vehicles only on an area stabilized with stone that drains into an approved sediment trapping device. Contain runoff and properly dispose of waste. Engine degreasing is prohibited.
- Solid Waste: Properly dispose of collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris, and other wastes in compliance with State requirements.
- Hazardous Materials: Properly dispose of all waste and unused building materials (including garbage debris, cleaning wastes, oil, gasoline, paint, wastewater, toxic materials, and hazardous materials) off-site. Do not allow waste and unused building materials to be carried by runoff into a receiving channel or storm sewer system. Properly store oil, gasoline, paint, and other hazardous materials in order to prevent spills, leaks, or other discharge. Include secondary containment. Restrict access to storage areas in order to prevent vandalism. Storage and disposal of hazardous materials must be in compliance with regulations.
- Machinery: and mechanical equipment that leaks waste shall have a protective barrier or containment under the device adequate to contain the waste. Properly dispose of the waste.
- Emergency spill station: Contractor shall locate and sign an emergency spill station that has necessary containment or cleanup devices for all workers to access.

EROSION CONTROL :

Apply necessary moisture to the construction area and haul roads to prevent the spread of dust.

Contractor shall utilize coarsely ground wood and tree mulches to cover exposed soils. Mulches shall be stored on site to supplement and use in problem areas during all phases of the construction project.

Contractor shall use star tack or other organic substances in situations to prevent soil from eroding away by wind or rain.

Whenever possible contractor shall grade areas of soil to limit potential of erosion, to include tracking perpendicular to fall line of grades as well as diverting water flows from problematic areas on the site.

Seeding, fiber blankets, poly/tarps or cover mulches, disked mulches and compost can be used to cover temporarily exposed areas from wind and rain. Other methods by the contractor shall be documented in the SWPP.

SEDIMENT CONTROL :

Inlet Sediment Control Protection Devices:
The following area approved Inlet Sediment Control Devices:

a. Road Drain Top Slab Model RD 23 (fits rough opening for 2x3' inlet), Road Drain Top Slab Model RD 27 (fits rough opening for 27" inlet), or Road Drain Top Slab Model RD 3067 (fits Neenah Casting with 35-1/4x17-3/4" dimensions) manufactured by: WIMCO

799 Then Drive
Shakopee, MN, 55379
Phone (952) 233-3055
or approved equal

b. Silt Sack manufactured by:
ACT ENVIRONMENTAL
2831 Cardwell Road
Richmond, VA, 23234
Phone (800) 448-3636
or approved equal

c. InfraSafe Sediment Control Barrier. Install geotextile sock on the outside of the barrier in order to trap additional fines. Standard frames are available to fit 24" to 30" diameter and 2x3' openings.

Manufactured by: ROYAL ENTERPRISES AMERICA
30622 Forest Boulevard
Stacy, MN, 55079
Phone (651) 462-2130
or approved equal

d. Ridge Bad Rock Log. Use rock logs only for curb inlets after pavement is in place.

Manufactured by: RED BARN RIDGE, 3135
County Road 136, Saint Cloud, MN, 35301
Phone (320) 253-3744
or approved equal

e. Inflatable drain plugs by Interstate Products www.interstateproducts.com or approved equal

Riprap:

Place a 450 mm (18 inch) thick layer of riprap onto a 225 mm (9 inch) thick layer of granular filter material at locations indicated on the plan in accordance with WIDOT Specification GOG. Install two layers of medium duty Geotextile fabric (WIDOT HR, section G45.3.7) beneath the granular filter material. At pipe outfalls configure the installation as shown on detail sheet for the size of pipe indicated and extend the geotextile fabric under the culvert apron a minimum of 3 feet. For pipe sizes smaller than 300 mm (12 inch) diameter, the minimum quantity of riprap and filter blanket shall be no less than that required for 300 mm (12 inch) diameter pipes.

Silt Fence:

Install and maintain per WIDNR Conservation Practice Standard 1056.

Install silt fence along the contour (on a level horizontal plane) with the ends turned up (J-hooks) in order to help pond water behind the fence. Install the silt fence on the uphill side of the support posts. Provide a post spacing of 1.2 m (4 feet) or less. Drive posts at least 0.6 m (2 feet) into the ground. Anchor the silt fence fabric in a trench at least 152 mm (6 inches) deep and 152 mm (6 inches) wide dug on the upslope side of the support posts. Lay the fabric in the trench and then backfill and compact with a vibratory plate compactor. Make any splices in the fabric at a fence post. At splices, overlap the fabric at least 152 mm (6 inches), fold it over, and securely fasten it to the fence post. Silt fence supporting posts shall be 51 mm (2 inch) square or larger hardwood, pine, or standard T- or U-section steel posts. T- or U-section steel posts shall weigh not less than 1,8602 kg per meter (1.25 kg per linear foot). Posts shall have a minimum length of 1524 mm (5 feet). Posts shall have projections to facilitate fastening the fabric and prevent slippage. Geotextile fabric shall meet the requirements of WIDOT Standard Specification G28 for preassembled silt fence, furnished in a continuous roll in order to avoid splices. Geotextile fabric shall be uniform in texture and appearance and have no defects, flaws, or tears. The fabric shall contain sufficient ultraviolet (UV) ray inhibitor and stabilizers to provide a minimum two-year service life outdoors. Fabric color shall be international orange. In high traffic areas contractor shall reinforce silt fence with wire fencing and metal posts. extreme circumstances will require temporary concrete median sections to support material backing of stock piled soil or filled earth.

Install silt fence, or other effective sediment controls, around all temporary soil stockpiles. Locate soil or dirt stockpiles containing more than 10 cubic yards of material such that the downslope drainage length is no less than 8 m (25 feet) from the toe of the pile to a roadway or drainage channel. If remaining for more than seven days, stabilize the stockpiles by mulching, vegetative cover, tarps, or other means. Control erosion from all stockpiles by placing silt fence barriers around the piles. During street repair, cover construction soil or dirt stockpiles located closer than 8 m (25 feet) to a roadway or drainage channel with tarps, and protect storm sewer inlets with silt sacks or staked siltfence. Do not stock pile soil or material near catch basins or drainage ways.

Stone Tracking Pad (Temporary Rock Construction Entrance):

Install and maintain per WIDNR Conservation Practice Standard 1057. Use 3inch to 6" diameter rock. Place the aggregate in a layer at least 300 mm (12 inches) thick across the entire width of the entrance. Extend the rock entrance at least 15 m (50 feet) into the construction zone. Use a WIDOT Type R permeable geotextile fabric material beneath the aggregate in order to prevent migration of soil into the rock from below. Maintain the entrance in a condition that will prevent tracking or flowing of sediment onto paved roadways. Provide periodic top dressing with additional stone as required. Close entrances not protected by temporary rock construction entrances to all construction traffic.

Temporary Sediment Basins:

In the construction process or if noted on the plan the contractor shall construct temporary sediment basin(s). As per general rule the sediment basin shall be sized appropriately to a capacity related to the drainage area on a ratio of 3,600 cubic feet per acre of drainage zone entering the basin. Basins shall be inspected after every rainfall event, material removed and stabilized. If changes to the basin are made, document and amend the SWPP.

DEWATERING :

If dewatering is required and sump pumps are used, all pumped water must be discharged through an erosion control facility (temporary sedimentation basin, grit chamber, sand filter, upflow chamber, hydro-cyclone, swirl concentrator, dewatering bag or other appropriate facility) prior to leaving the construction site. Proper energy dissipation must be provided at the outlet of the pump system. Discharge clear water only. To achieve better separation of the material suspended in the water a biodegradable non toxic flocculant agent may be required.

For more information and materials go to by Interstate Products www.interstateproducts.com

INSPECTIONS - MAINTENANCE - DAILY RECORD - AMEND THE SWPP PLAN

1. Contractor shall inspect all erosion and sediment control devices, stabilized areas, and infiltration areas on a daily basis until land-disturbing activity has ceased. Thereafter, inspect at least on a weekly basis until vegetative cover is established. Inspect all erosion and sediment control devices, stabilized areas, and infiltration areas within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. Remove accumulated sediment deposits from behind erosion and sediment control devices as needed. Do not allow sediment to accumulate to a depth of more than one-third of the height of the erosion and sediment control devices. Immediately replace deteriorated, damaged, rotted, or missing erosion control devices. Document inspections and dates of rainfall events. Maintain a written log of all inspection, maintenance, and repair activities related to erosion and sediment control facilities. All nonfunctioning BMPs must be repaired, replaced, or supplemented with functional BMPs within 24 hours after discovery, or as soon as field conditions allow access.

2. All inspections and maintenance activities must be recorded in writing DAILY in a detailed record (notes, photographs, sketches, etc., and kept with the SWPP by the contractor.

3. Contractor shall remove all soils and sediments tracked or otherwise deposited onto adjacent property, pavement areas, sidewalks, streets, and alleys. Removal shall be on a daily basis throughout the duration of the construction and/or as directed by the City. Clean paved roadways by shoveling or wet-sweeping. Do not dry sweep. If necessary, scrape paved surfaces in order to loosen compacted sediment material prior to sweeping. Haul sediment material to a suitable disposal area. Street washing is allowed only after sediment has been removed by shoveling or sweeping.

4. All soil hauled from the site shall be accounted for and documented in the SWPP by the contractor. Its final destination and how the soil has been stored and stabilized.

5. Contractor shall maintain all temporary erosion and sediment control devices in place until the contributing drainage area has been stabilized (hard-surfaced areas paved and vegetation established in greenspace). Repair any rilling, gully formation, or washouts. After final establishment of permanent stabilization, remove all temporary synthetic, structural, and non-biodegradable erosion and sediment control devices and any accumulated sediments. Dispose off site. Restore permanent sedimentation basins to their design condition immediately following stabilization of the site.

6. Contractor shall clean sedimentation basins, storm sewer catchbasins, ditches, and other drainage facilities as required in order to maintain their effectiveness. Temporary and permanent sediment basins must be drained and the sediment removed when the depth of sediment collected in the basin reaches 1/2 of the storage volume. Drainage and removal must be completed within 72 hours, or as soon as field conditions allow access.

7. Contractor shall inspect infiltration areas to ensure that no sediment from ongoing construction activities is accumulating. Remove sediment immediately ensuring subsoils are not compacted by machinery.

8. Every vehicle shall not track material off-site. Clean the wheels of construction vehicles in order to remove soils before the vehicles leave the construction site. Wash vehicles only on an area stabilized with stone that drains into an approved sediment trapping device.

9. Contractor shall reinforce erosion control facilities in areas where concentrated flows occur (such as swales, ditches, and areas in front of culverts and catchbasins) by backing them with snow fence, wire mesh, or stiff plastic mesh reinforcement until paving and turf establishment operations have been completed. Posts for the reinforcing fence shall be 100 mm (4 inch) diameter wood posts, or standard steel fence posts weighing not less than 0.59 kg (1.3 lbs) per linear foot, with a minimum length of 762 mm (30 inches) plus burial depth. Space posts for the reinforcing fence at intervals of 3 m (10 feet) or less. Drive posts for the reinforcing fence at least 0.6 m (2 feet) into the ground.

GENERAL SOIL STABILIZATION :

(SEE LANDSCAPE PLAN FOR MORE INFORMATION)

Establishment of lawn, prairie/ wildflower and/or plant bed areas will be noted on the landscape plan

to ensure stabilization of soils, restaking of sod where applicable, proper watering and mulch maintenance will be required. Inspect seeded or sodded areas on a timely day-to-day basis. In the event of a seeding failure, reseed and remulch the areas where the original seed has failed to grow and perform additional watering as necessary at no additional cost to the Owner. Special maintenance provisions for wild and prairie grass seeded areas as noted in the landscape plan. Promptly replace all sod that dries out to the point where it is presumed dead and all sod that has been damaged, displaced, weakened, or heavily infested with weeds at no additional cost to the Owner. .

In areas to be temporarily seeded, use introduced seed mixture equivalent to WIDOT #10 or #20. Apply seed mixture per WIDOT G30.3.3.5. Incorporate a fertilizer (slow release type with 10 week residual) consisting of 23-0-30 (%N-P-K) into the soil at an application rate of 224 kg per hectare (200 lbs per acre) by disking prior to seeding. In problematic areas it may be necessary to use a low phosphorus organic fertilizer in cases where seeds may not germinate, if this is the case, seed and fertilizer shall be disked into the surface and mulched properly to ensure germination and uptake of the Phosphorus by the seed.

To ensure adequate germination of the seed the work will be performed as follows:

Spring- from April 1 through May 15.

Fall- from August 15 to September 20.

After September 20, wait until October 30 to perform dormant seeding. Dormant seeding will only be allowed if the maximum soil temperature at a depth of 25 mm (1 inch) does not exceed 4.44 degrees C (40 degrees F) in order to prevent germination.

In seeded areas with slopes steeper than 3:1 and lengths less than 15 meters (50 feet), install biodegradable erosion control blankets uniformly over the soil surface by hand within 24 hours after seeding in accordance with manufacturers recommendations. Use WIDOT Urban Type B or owner approved equal.

In areas where irrigation is to be installed, contractor shall work in zones to finish grade and install the system in zones. Note- Erosion control measures shall remain in place until soils have been stabilized with sod or seeded areas that exhibit minimum of 70% lawn vegetative coverage. If silt fence has to be removed to install the irrigation system, it shall be reinstated at the end of each work day or use bio rolls to provide protection during the installation process until lawn areas have sod and/or plant beds are mulched.

In areas to be sodded, silt fence can be removed short term for working, but exposed soil areas shall be sodded or erosion control measures shall be reinstated at the end of each work day.

NOTE: THE PROJECT'S LANDSCAPE PLAN IS PART OF THE SWPP FOR SOIL STABILIZATION. REFERENCES SHALL BE MADE TO THE APPROVED LANDSCAPE PLAN. AMENDMENTS TO THE LANDSCAPE PLAN SHALL BE APPROVED BY THE OWNER AND DOCUMENTED AS PART OF THE SWPP

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

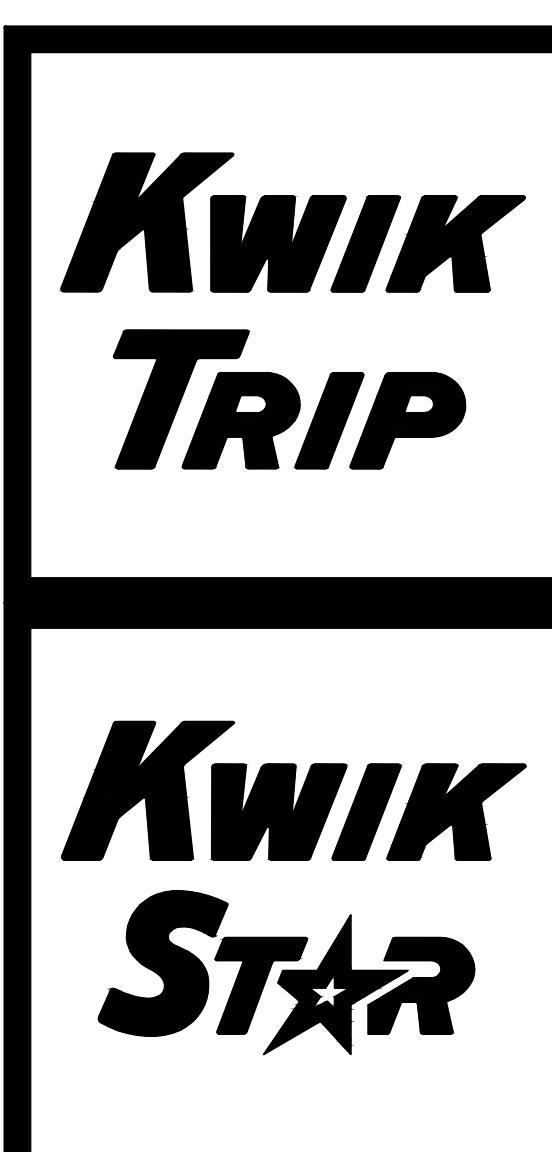
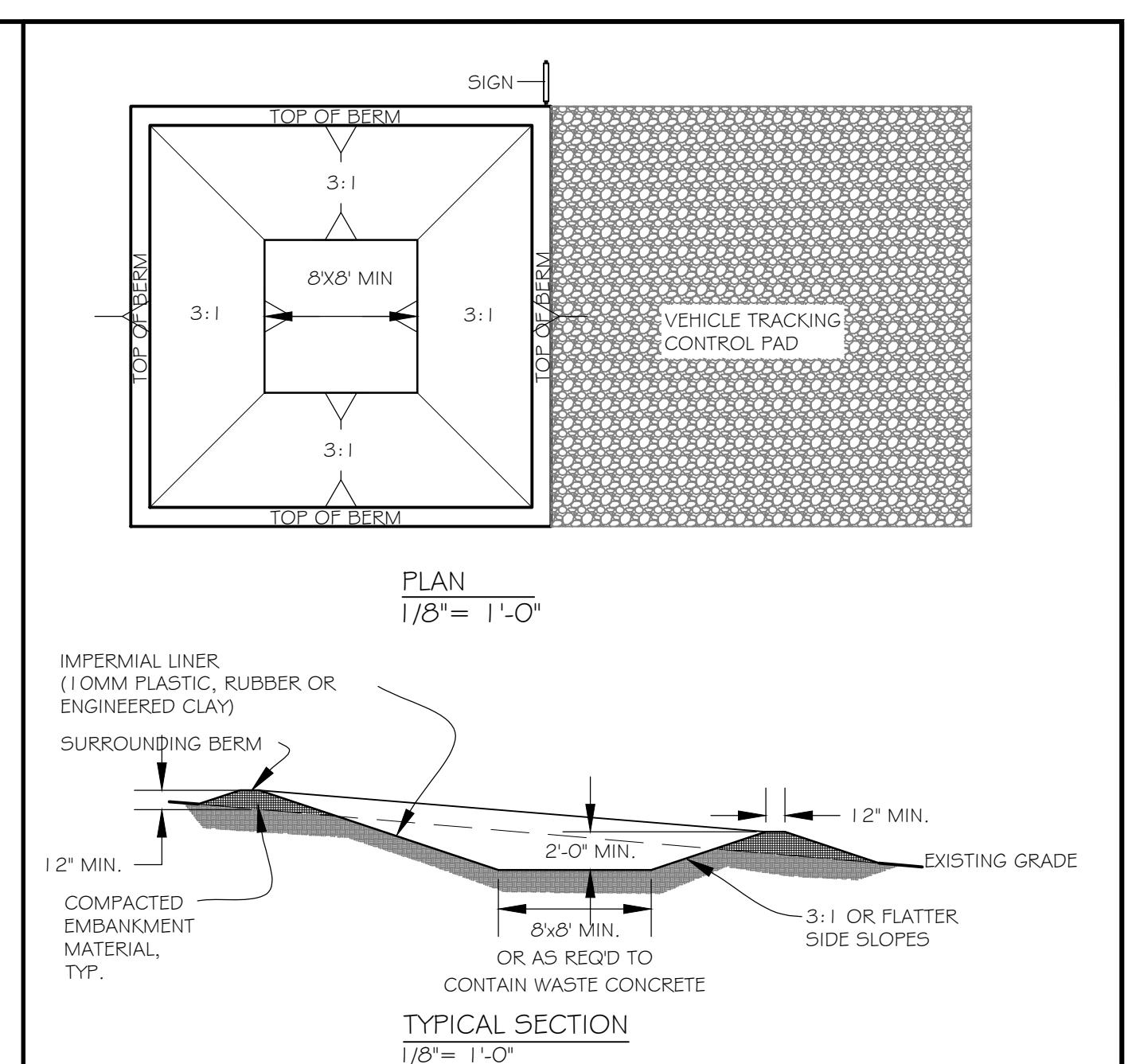
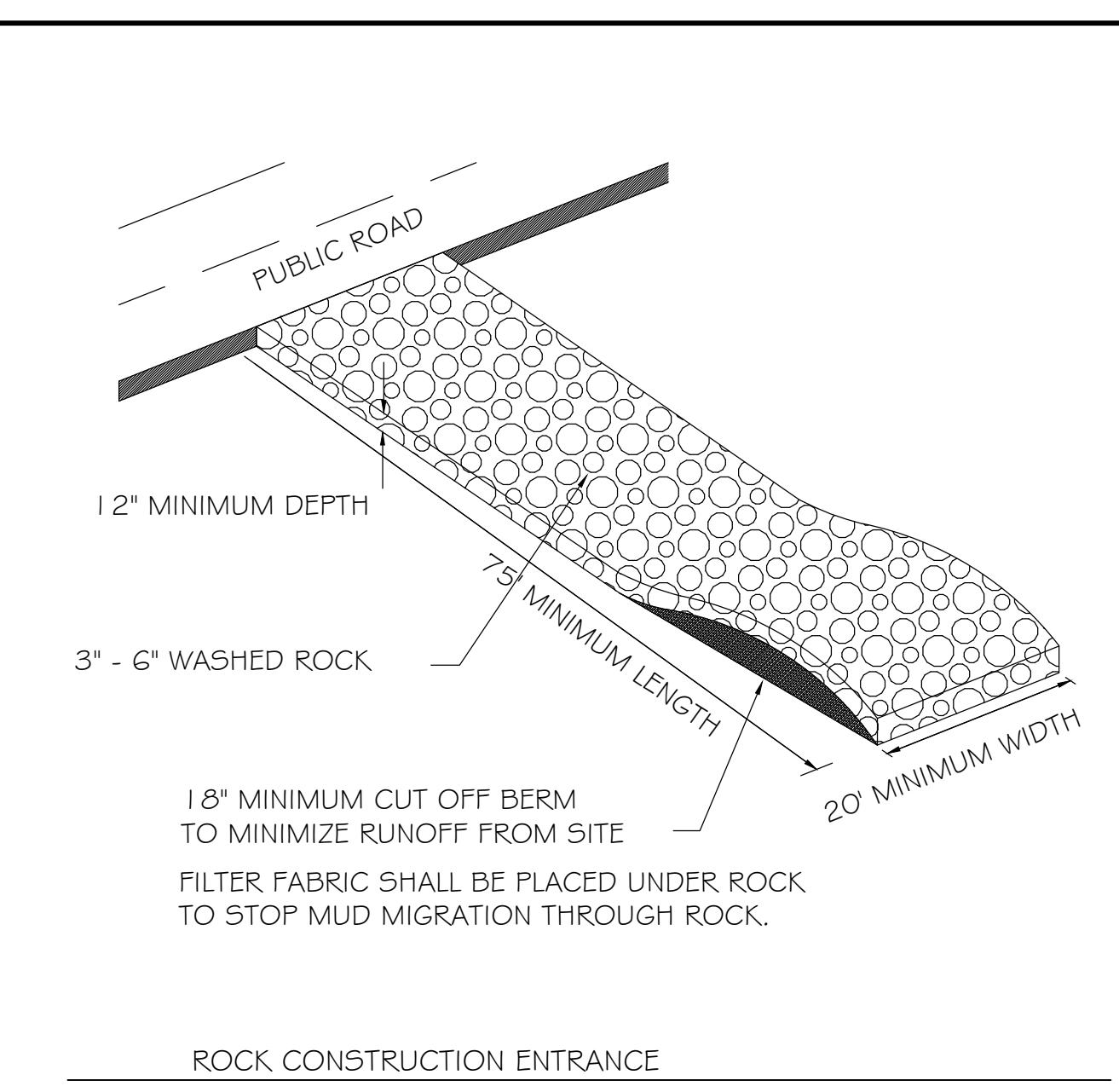
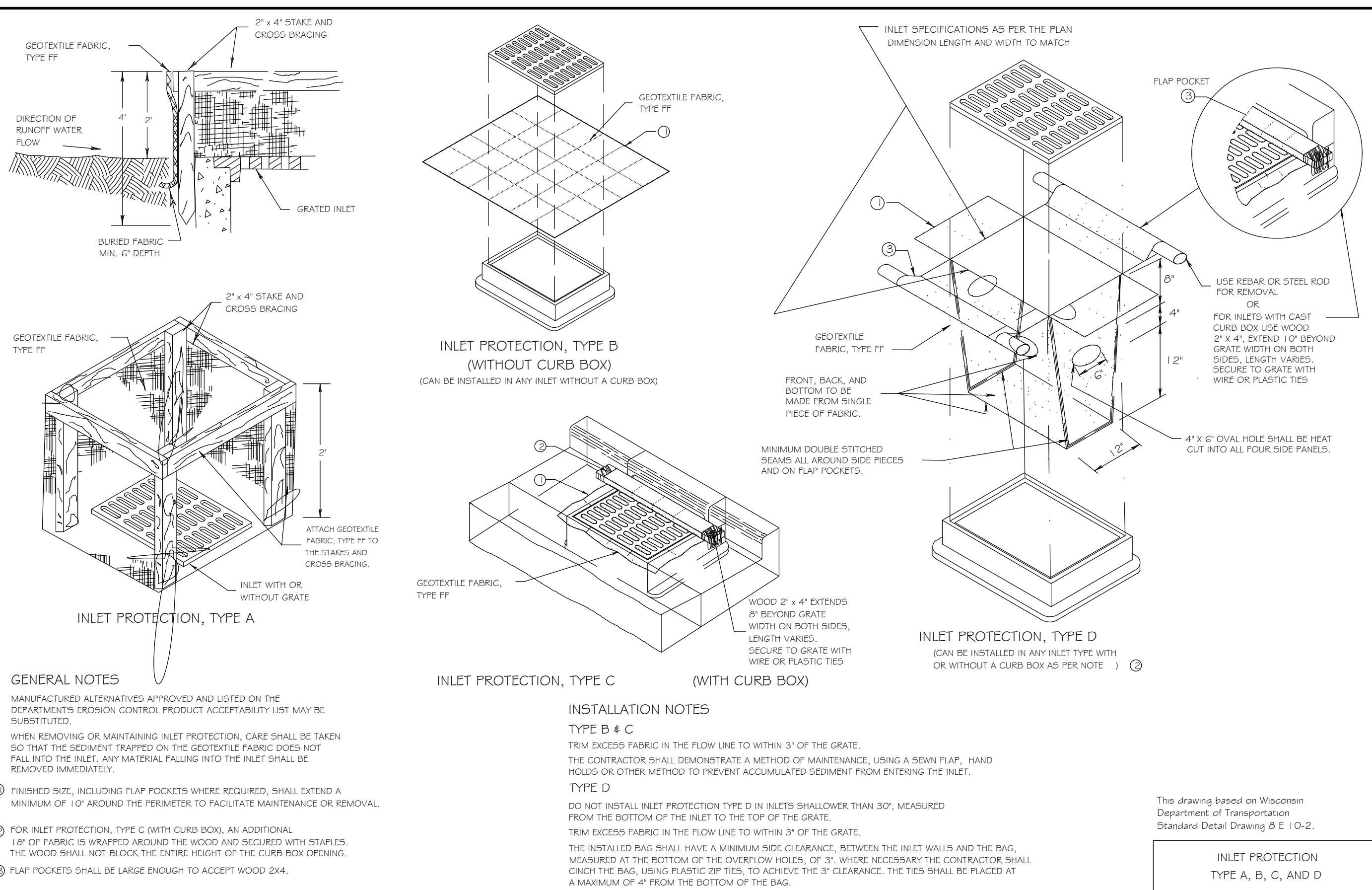
INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
Fax 763.383.8440

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

NO. DATE DESCRIPTION
- 8JUNE18 SUBMITTAL
- 17JULY18 SUBMITTAL
- 25JULY18 ADD CANOPY
- 03OCT18 COMMISSION COMMENTS

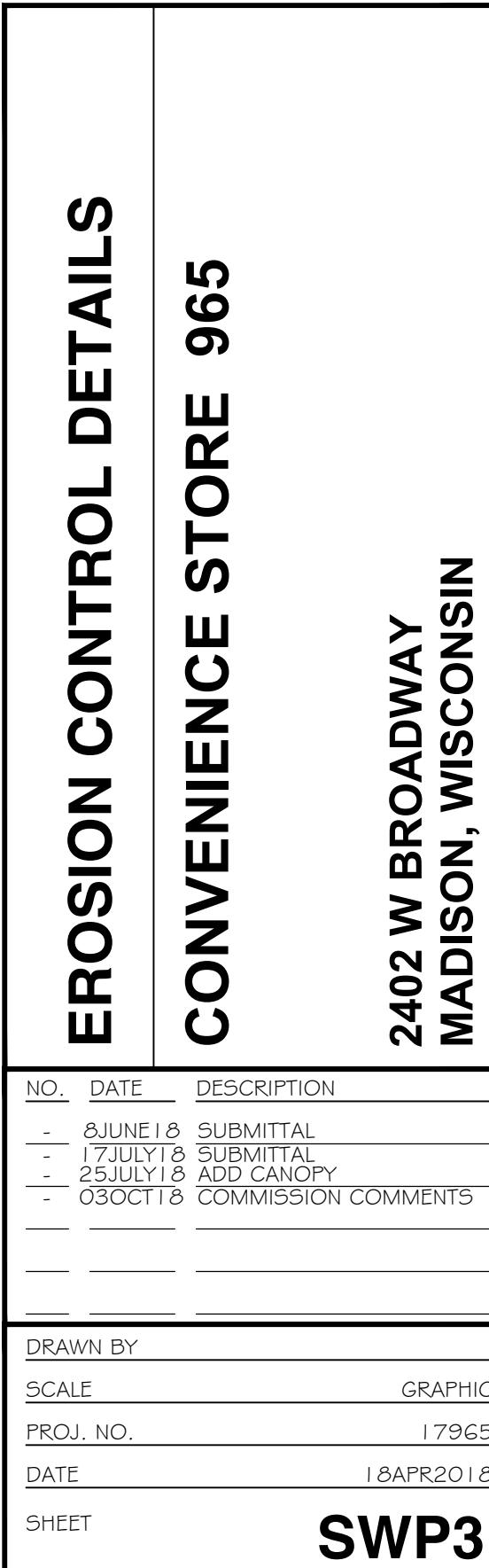
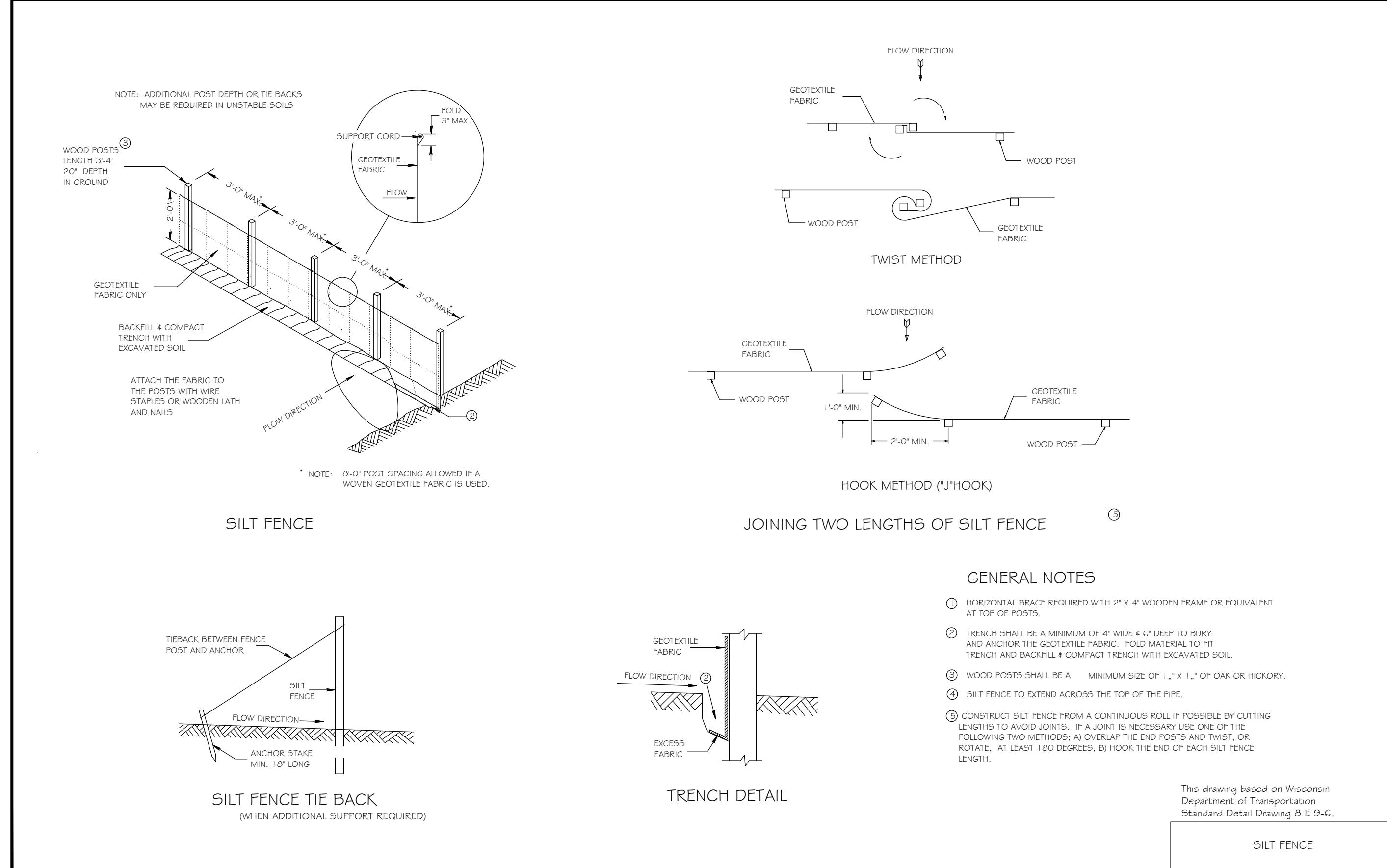
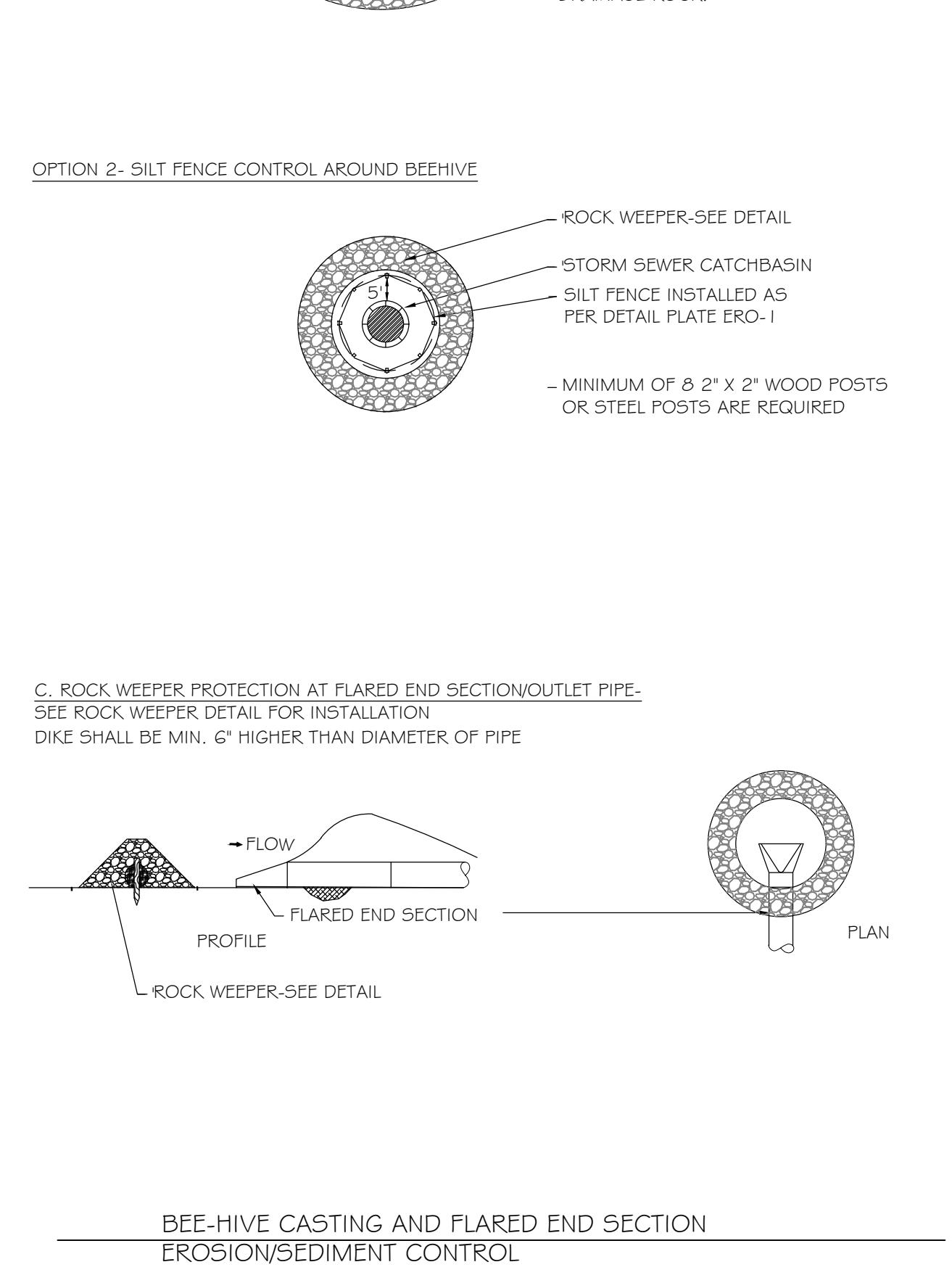
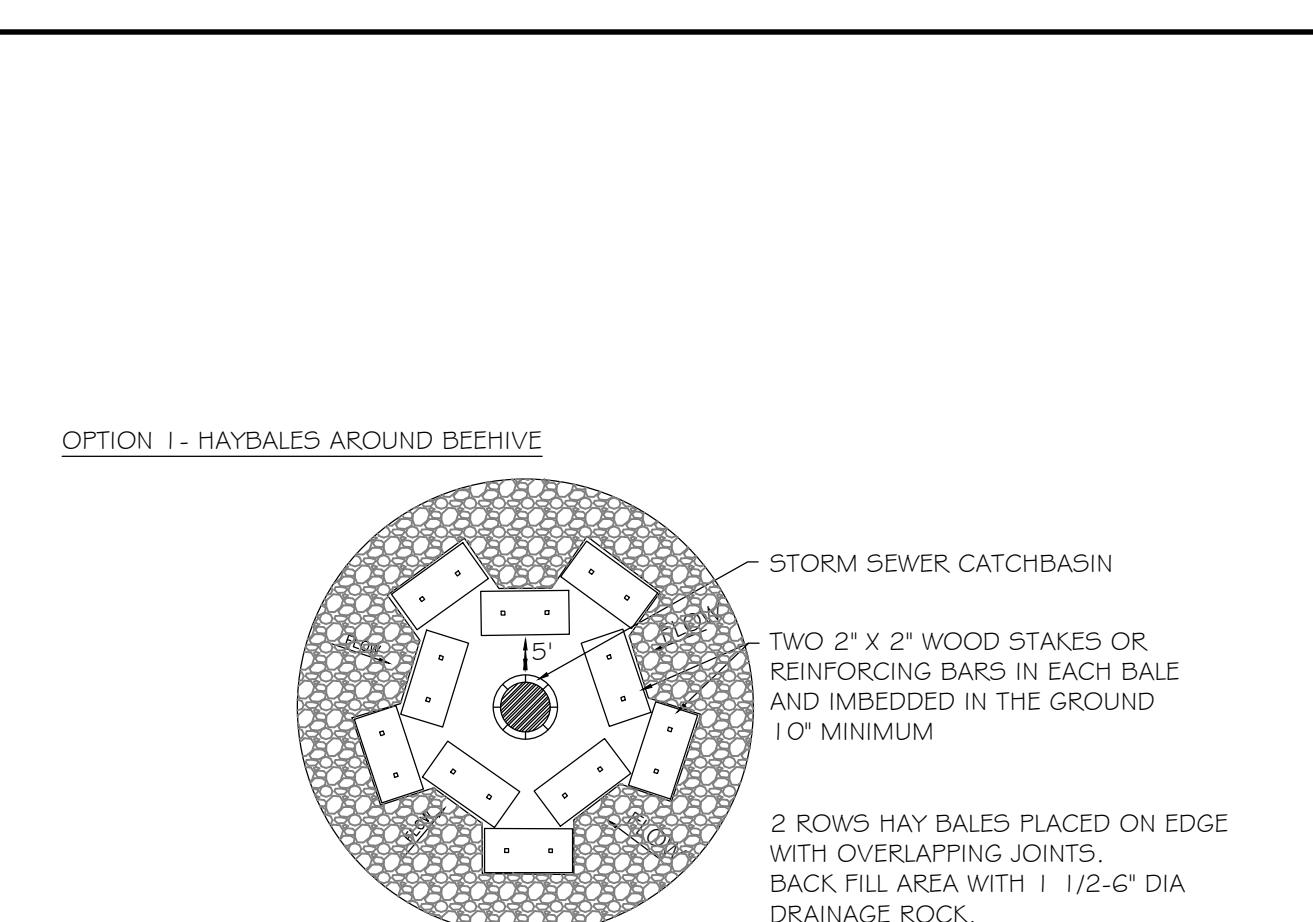
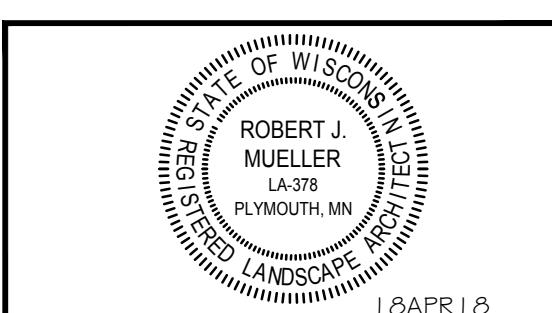
ALL EROSION CONTROL MEASURES TO BE
INSTALLED AND MAINTAINED PER WDNR STANDARDS

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

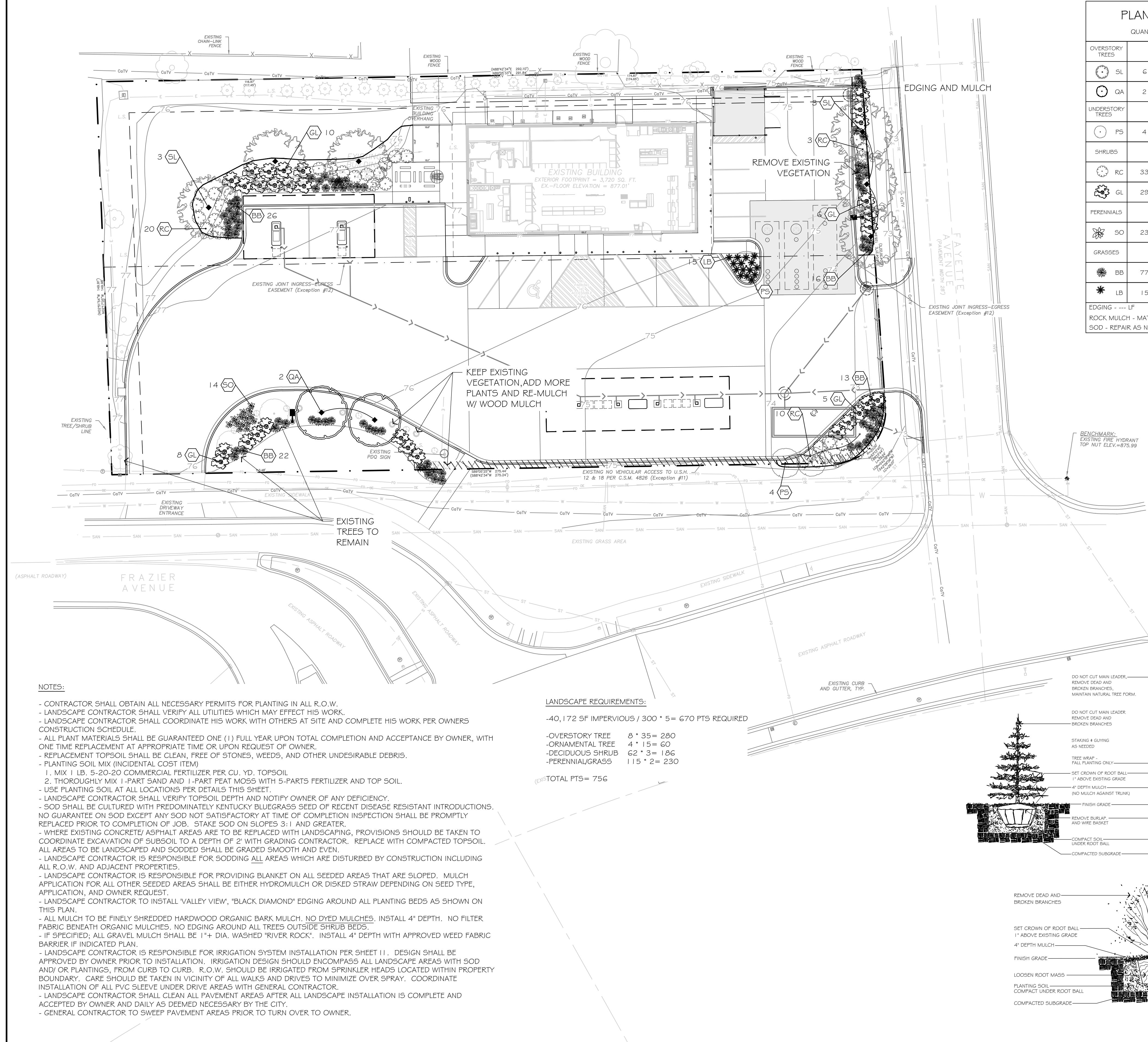


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INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
fax 763.383.8440



NOTE: REMOVE ALL
RIVER ROCK AND
REPLACE WITH WOOD
MULCH



PLANT MATERIAL					
QUANTITY	SIZE	ROOT TYPE	COMMON NAME BOTANICAL NAME		
OVERSTORY TREES					
SL	6	2.5' CAL.	B&B	SKYLINE HONEYLOCUST <i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Skycole'	50' x 30'
QA	2	10' HT	B&B	QUAKING ASPIEN <i>Populus tremuloides</i>	50' x 25'
UNDERSTORY TREES					
PS	4	2" CAL.	B&B	PINK SPIRES CRAB <i>Malus 'Pink Spires'</i>	15' x 12'
SHRUBS					
RC	33	#3 CONT	Pot	BRILLIANTISSIMA RED CHOKEBERRY <i>Aronia arbutifolia 'Brilliantissima'</i>	5' x 5'
GL	29	#3 CONT	Pot	GRO-LOW FRAGRANT SUMAC <i>Rhus aromatica 'Gro-Low'</i>	2' x 7'
PERENNIALS					
SO	23	#1 CONT	Pot	STELLA DE ORO DAYLILY <i>Hemerocallis 'Stella de Oro'</i>	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'

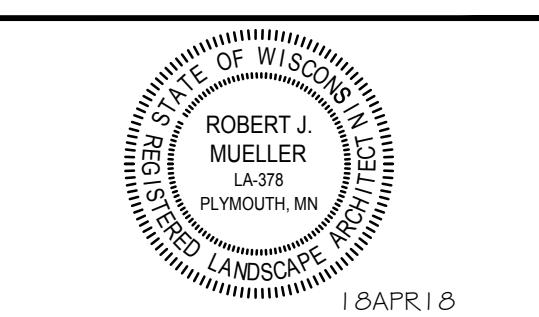
EDGING - --- LF
ROCK MULCH - MATCH EXISTING, AS NEEDED
SOD - REPAIR AS NEEDED

**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

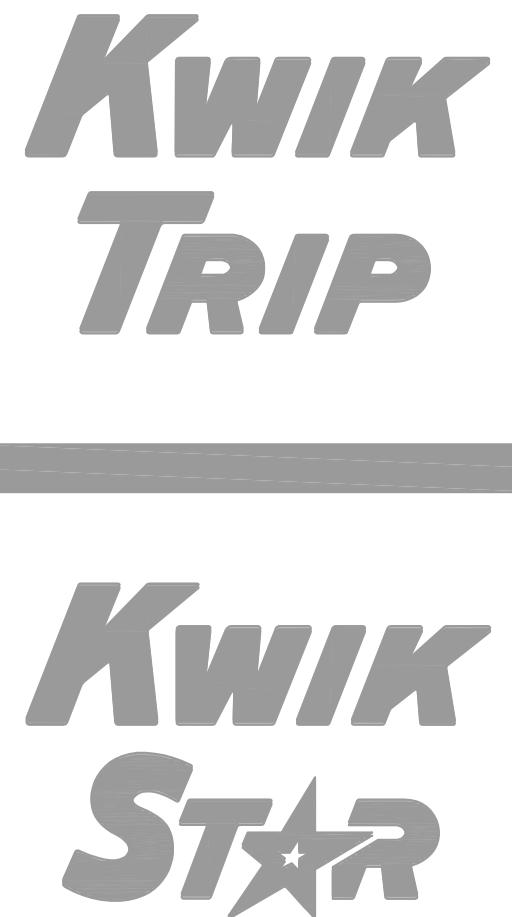
INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
fax 763.383.8440



LANDSCAPE PLAN
CONVENIENCE STORE 965
2402 W BROADWAY
MADISON, WISCONSIN

NO.	DATE	DESCRIPTION
-	06JUN18	SUBMITTAL
-	17JULY18	SUBMITTAL
-	25JULY18	ADD CANOPY
-	03OCT18	COMMISSION COMMENTS
—	—	—
—	—	—
—	—	—
DRAWN BY		
SCALE		GRAPHIC
PROJ. NO.		17965
DATE		18APR2018
SHEET		L1

17-050 F.M.B.B.
inches 1/2 scale, 1'=40'
PLOTTING NOTE: PLANS PLOTTED TO 11x17
SHEET SIZE ARE 1/2 SCALE, 1'=40'



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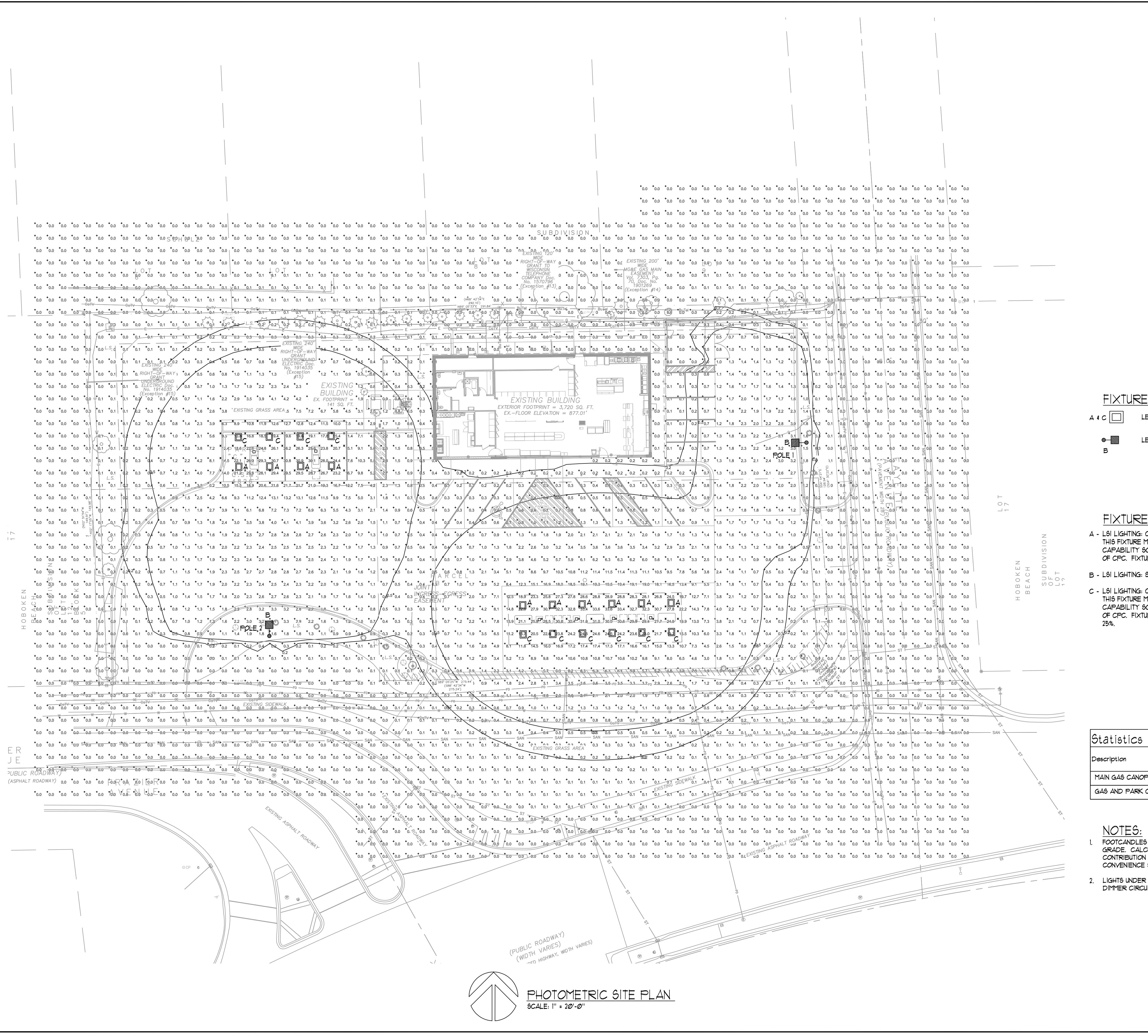
INSITES

SITE PLANNING LANDSCAPE
3030 H A R C H I T E C T U R E a n e N o
r t h , S T E 1 3 1
Plymouth Minnesota
5 5 4 4 7

ROBERT J.
MUELLER
LA-378
PLYMOUTH, MN
REGISTERED LANDSCAPE ARCHITECT
STATE OF WISCONSIN

PHOTOMETRIC SITE PLAN CONVENIENCE STORE 965

2402 W BROADWAY
MADISON, WISCONSIN



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
MAIN GAS CANOPY	✖	24.4 fc	33.6 fc	10.7 fc	3.1:1	2.3:1
GAS AND PARK CANOPY	✖	19.7 fc	30.9 fc	6.3 fc	4.9:1	3.1:1

NOTES

NOTE:

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

SCALE	GRAPHIC
PROJ. NO.	17965
DATE	13MAR2018
SHEET	F1

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