Notice of an Electronically Conducted Regular Meeting of the Charter Township of Union Planning Commission

Notice is hereby given that the Charter Township of Union Planning Commission will conduct a regular meeting electronically on Tuesday, January 19, 2021 at 7:00 p.m., consistent with the emergency declarations and direction from state and county health officials to slow the spread of the COVID-19 virus and the Open Meetings Act (Public Act 267 of 1976, as amended)."

There will be no in-person attendance in the Township Hall Board Room (2010 S. Lincoln Rd., Mt. Pleasant, MI 48858), although some Planning Commission members and Township staff may choose to participate from this location.

All interested persons may attend and participate. The public may participate in the meeting by computer and smart phone using the following link to the electronic meeting location: https://us02web.zoom.us/j/89751444718 (Meeting ID: "897 5144 4718" Passcode "038923"). The moderator will open public access to the electronic meeting space at 6:55 p.m.

To participate via telephone conference call, please call (312) 626-6799. Enter "897 5144 4718" and the "#" sign at the "Meeting ID" prompt. Lastly, re-enter the "#" sign again at the "Participant ID" prompt to join the meeting.

The meeting agenda, packet of materials relating to the meeting, and instructions for connecting to the meeting electronically are available on the Township's website under "Minutes and Board Packets" at http://www.uniontownshipmi.com/.

Questions and comments will be received during the public comment sections of the meeting. For participants accessing via computer or smartphone to indicate a desire to address the Planning Commission, please use the "Raise Your Hand" button at the bottom center of the screen. To raise your hand for telephone dial-in participants, press "star" and then the number "nine" (*9). The Chair will call on you by the last three digits of your phone number to invite any comment, at which time you will be unmuted by the meeting moderator.

If there are a large number of participants, the Chair may choose to call on individuals by name or telephone number. Please speak clearly and provide your name and address before making your comments. Please note that the meeting moderator will control the muting and unmuting of participants during public comment.

Written comments to the Planning Commission may also be delivered to the drop box at the Township Hall. Comments received prior to 3:00 p.m. on the day of the meeting will be read aloud to the Planning Commission.

Persons with disabilities needing assistance to participate should call the Township office at (989) 772-4600. Persons requiring speech or hearing assistance may contact the Township through the Michigan Relay Center at 711. A minimum of one (1) business day of advance notice will be necessary for accommodation.

Instructions to Participate in an Electronically Conducted Regular Meeting of the Charter Township of Union Planning Commission

The Charter Township of Union Planning Commission will conduct a regular meeting electronically on Thursday, January 19, 2021 at 7:00 p.m., consistent with the emergency declarations and direction from state and county health officials to slow the spread of the COVID-19 virus and the Open Meetings Act (Public Act 267 of 1976, as amended).

All interested persons may attend and participate. The public may participate in the meeting by computer and smart phone using the following link to the electronic meeting location: https://us02web.zoom.us/j/89751444718 (Meeting ID: "897 5144 4718" Passcode "038923").

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Raise Your Hand for Citizen Participation During the Public Comment Periods

Questions and comments will be received during the public comment sections of the meeting. For participants accessing via computer or smartphone to indicate a desire to address the Planning Commission, please click on the "Raise Your Hand" icon near the bottom of your screen.



Click "Lower Hand" to lower it if needed. The host will be notified that you have raised your hand. The Mute/Unmute function will be controlled by the meeting moderator.

To raise your hand for telephone dial-in participants, press "star" and then the number "nine" (*9). The Chair will call on you by the last three digits of your phone number to invite any comment, at which time you will be unmuted by the meeting moderator.

Do I need to download the Zoom app to access the meeting? No. Use of the Zoom app is recommended, but you will have options to "download & run Zoom" or "join from your browser" when you click on the link to join the meeting.

Can I Use Bluetooth Headset? Yes, if the Bluetooth device is compatible with the computer or mobile device that you are using.

Do I have to have a webcam to join on Zoom? While you are not required to have a webcam to join a Zoom Meeting, you will not be able to transmit video of yourself. You will continue to be able to listen and speak during public comment and view the webcam video of other participants.

Leaving the Meeting: Click the "Leave Meeting" link at the bottom right corner of the screen at any time to leave the meeting.



Planning Commission

Regular Electronic Meeting. Instructions for access will be posted and available on website (uniontownshipmi.com) home page

January 19, 2021
7:00 p.m.

- 1. CALL MEETING TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ROLL CALL
- 4. APPROVAL OF MINUTES
 - -December 15, 2020

5. CORRESPONDENCE / BOARD REPORTS / PRESENTATIONS

- A. Isabella County Jail Presentation for PSUP20-03
- B. Cody updates from Board of Trustees
- C. Buckley updates from ZBA
- 6. APPROVAL OF AGENDA
- 7. PUBLIC COMMENT: Restricted to (3) minutes regarding items not on this agenda
- 8. NEW BUSINESS
 - A. Meet with Sidewalks and Pathways Prioritization Committee members
 - a. Temporary relief from construction policy discussion
 - b. Discussion of long-term (2022 2027) sidewalk construction priorities
 - B. PSPR20-02 Sam's Club filling station preliminary site plan
 - C. PSPR20-19 Den at Broomfield Preliminary Site plan
 - D. Appoint Planning Commission Liaison to the ZBA
 - E. Parks and Recreation Master Plan update introduction
- 9. OTHER BUSINESS
 - A. Master Plan implementation
- 10. EXTENDED PUBLIC COMMENT: Restricted to 5 minutes regarding any issue
- 11. FINAL BOARD COMMENT
- 12. ADJOURNMENT

CHARTER TOWNSHIP OF UNION

Planning Commission

Regular - Electronic Meeting Minutes

A regular-electric meeting of the Charter Township of Union Planning Commission was held on December 15, 2020 as a virtual meeting through the Zoom meeting platform.

Meeting was called to order at 7:01 p.m.

Welcome Jessica Lapp, newest Planning Commission member.

Roll Call

Present:

Buckley (location: Union Township, Isabella County, Mt. Pleasant, MI) Clerk Cody (location: Union Township, Isabella County, Mt. Pleasant, MI)

Darin (location: Union Township, Isabella County, Mt. Pleasant, MI) Fuller (location: Union Township, Isabella County, Mt. Pleasant, MI) LaBelle (location: Union Township, Isabella County, Mt. Pleasant, MI)

Lapp (location: Elkhart County, Goshen, Indiana)

Shingles (location: Union Township, Isabella County, Mt. Pleasant, MI)

Squattrito (location: Isabella County, Mt. Pleasant, MI)

Others Present

Rodney Nanney, Community and Economic Development Director; Zoning Administrator, Peter Gallinat, and Administrative Assistant, Jennifer Loveberry

Approval of Minutes

Fuller moved Shingles supported the approval of the November 17, 2020 regular meeting as presented. Vote: Ayes: 8 Nays: 0. Motion carried.

Correspondence / Reports/ Presentations

- A. Board of Trustees updates by Clerk Cody
- B. ZBA updates by Buckley
- C. Sidewalks and Pathway Prioritization updates by Darin

Approval of Agenda

Buckley moved Darin supported to approve the Agenda as presented. Vote: Ayes: 8 Nays: 0. Motion Carried.

Public Comment

Open 7:10 p.m.

No comments were offered.

Closed 7:11 p.m.

New Business

A. PSUP 20-02 (Malley Construction) Special Use Permit Application for a contractor's yard on the southeast corner of Packard St. and Airport Rd.

- a. Introduction
- b. Public Hearing
- c. Updates from the Applicant and Staff
- d. Deliberation
- e. Action (recommendation to the Board of Trustees)

Applicant is proposing a Contractor's Yard located east of Packard St. This is an expansion of the business currently conducted at 1565 S. Park Place.

Public Hearing

Open: 7:14 p.m.

Chad Carstensen, 4585 E. Airport Rd – Safety issues Mike Curtice, 4585 E. Airport Rd – Safety issues

Letter from Barry VanBuskirk commenting on contractor's yard

Closed: 7:24 p.m.

Brad Malley commented and answered questions by the commissioners. Mr. Malley stated that he didn't think that the road closure would be shown on the preliminary site plan or would be part of this SUP and confirmed that he wasn't planning on pursuing the road at this time. He will be working with his attorney to address concerns that he has regarding the road closure and may be back before the commission at a future date.

Cody moved **Buckley** supported to recommend to the Township Board of Trustees to approve the PSUP 20-02 special use permit

application from Malley Construction for a Contractor's Yard on approximately 8.59 acres of land (parcel numbers 14-011-30-001-07 and 14-011-40-002-00) on the south side of East Airport Road and east of Packard St. in the southwest quarter of Section 11 and in the I-1 (Light Industrial) zoning district, finding that it can comply with Section 14.3.J. (Standards for Special Use Approval), subject to the following conditions:

- 1. The Planning Commission acknowledges that Mr. Malley will remove the proposed closure of Packard St. from the site plan for the Contractor Yard development.
- 2. A final site plan is approved for the proposed special use PSUP 20-02 development.

Roll Call Vote: Ayes: Buckley, Cody, Darin, Fuller, LaBelle II, Lapp, Shingles, and Squattrito Nays: 0. Motion carried.

- B. PSPR 20-15 (Malley Construction, 1565 Park Place) Preliminary Site Plan Application for a contractor's yard on the southeast corner of Packard St. and Airport Rd.
 - a. Introduction
 - b. Updates from the Applicant and Staff
 - c. Deliberation
 - d. Action (approve, deny, approve with conditions)

Malley Construction is proposing to expand their business currently conducted at 1565 S. Park Place.

Buckley moved **Cody** supported to approve the PSPR 20-15 preliminary site plan from Malley Construction for a Contractor's Yard on approximately 8.59 acres of land (parcel numbers 14-

011-30-001-07 and 14-011-40-002-00) on the south side of East Airport Road and east of Packard St. in the southwest quarter of Section 11 and in the I-1 (Light Industrial) zoning district, finding that the site plan with a revision date of November 19, 2020 can comply with applicable Zoning Ordinance requirements for preliminary site plan approval, including Sections 14.2.P. (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval), subject to the following condition(s):

- 1. Remove the proposed closure of Packard St. from the final site plan for the project.
- 2. Provide all items of required information on the final site plan per Section 14.2.P.
- 3. Preliminary site plan approval is contingent upon Board of Trustees final approval of the PSUP2 20-02 Contractor's Yard special use permit for this project. Roll Call Vote: Ayes: Buckley, Cody, Darin, Fuller, LaBelle II, Lapp, Shingles, and Squattrito Nays: 0. Motion carried.
- C. PSPR20-16 (Consumers Energy) Preliminary Site Plan Application for modernization of the "city gate" natural gas facility on the south side of E. Pickard Rd. west of S. Summerton Rd.
 - a. Introduction
 - b. Updates from the Applicant and Staff
 - c. Deliberation
 - d. Action (approve, deny, approve with conditions)

The applicant is proposing to reconstruct its existing "city gate" facility, which is an essential component of the utility company's regional natural gas distribution system and is regulated as an "essential service" land use allowed in all zoning districts subject to site plan approval.

Cody moved LaBelle II supported to approve the PSPR 20-16 preliminary site plan from Consumers Energy for the Pickard Road City Gate Reconstruction Project on parcel number 14-013-20-001-00 located on the south side of E. Pickard Rd. between S. Summerton Rd. and the Baymont Inn in the northeast quarter of Section 13 and in the B-7 (Retail and Service Highway Business) zoning district, finding that the "Nov 2020" site plan can comply with applicable Zoning Ordinance requirements for preliminary site plan approval, including Sections 14.2.P. (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval), subject to the following condition(s):

- 1. The access, fence height, and planting location modifications are accepted as presented on the site plan per Section 7.15 of the Zoning Ordinance.
- 2. Include a specific revision date on the final site plan cover sheet.
- 3. Add the required public sidewalk along the length of the S. Summerton Rd. frontage and associated details to the final site plan. Roll Call Vote: Ayes: Buckley, Cody, Darin, Fuller, LaBelle II, Lapp, Shingles, and Squattrito Nays: 0. Motion carried.
- D. PSPR20-17 (Reals-Palmer LLC) Preliminary Site Plan Application for Biggby Coffee location on the north side of E. Pickard Rd. west of S. Summerton Rd.
 - a. Introduction
 - b. Updates from the Applicant and Staff
 - c. Deliberation
 - d. Action (approve, deny, approve with conditions)

The applicant is proposing a new Biggby Coffee modular building, drive-through lane, and outdoor seating area in the east parking lot of the former Mid Michigan Community College building at 5805 E. Pickard Rd.

Cody moved Darin supported to approve the PSPR 20-17 preliminary site plan from Reals-Palmer LLC for the construction of a new Biggby Coffee modular building, drive-through lane, and outdoor seating area on parcel number 14-012-04-007-07 located on the north side of E. Pickard Rd. between S. Summerton Rd. and the former Mid Michigan Community College building at 5805 E. Pickard Rd.in the southeast quarter of Section 12 and in the B-7 (Retail and Service Highway Business) zoning district, finding that the "November 2020" site plan can comply with applicable Zoning Ordinance requirements for preliminary site plan approval, including Sections 14.2.P. (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval), subject to the following condition(s):

- 1. Provide documentation of permission from the owner to utilize the adjacent land and driveway at 5805 E. Pickard Rd. for access to the facility with the final site plan submittal.
- 2. Add the sidewalk connection into the site from E. Pickard Rd. to the final site plan.
- 3. Update the parking, exterior lighting, and landscaping on the final site plan to conform to Zoning Ordinance requirements and add a specific revision date to the final site plan.
- 4. Add the new public sidewalk along the length of the S. Summerton Rd. frontage to the final site plan, but temporary relief is granted from construction of this new sidewalk because the applicant does not have leasehold rights to the entire parcel.
- 5. The future access from S. Summerton Rd. is not necessary and can be removed from the final site plan. Roll Call Vote: Ayes: Buckley, Cody, Darin, Fuller, LaBelle II, Lapp, Shingles, and Squattrito Nays: 0. Motion carried.
- E. Request for restoration of temporary relief from sidewalk construction for two (2) properties on Remus Rd. (Merchandise Outlet and Woodland Investments).
 - a. Introduction
 - b. Updates from Staff
 - c. Deliberation
 - d. Action (approve, deny, approve with conditions)

The applicant has requested by letter that his property be given continued temporary relief, citing that the Michigan Department of Transportation (MDOT) is mandating that additional off-site sidewalk/intersection improvements be provided that have greatly increased the cost of the project. Township staff has also included Merchandise outlet in this request since the same issues will exist.

Cody moved Lapp supported to approve the request to re-establish the previously granted temporary relief from sidewalk construction for the parcels at 2467 E. Remus Rd. (Merchandise Outlet) and 2260 E. Remus Rd. (Woodland Investments) in the B-5 (Highway Business) zoning district because the MDOT requirements would unreasonably require the property owner to construct improvements on property not owned by the current property owner, and because the EDA Board has included funds for some additional sidewalks along Remus Rd. in their FY2021 recommended budget, subject to the following condition(s):

1. No new construction or modifications to either existing site requiring site plan approval is proposed, approved, and constructed. If so, sidewalk construction will be required at

that time. Roll Call Vote: Ayes: Buckley, Cody, Darin, Fuller, LaBelle II, Lapp, Shingles, and Squattrito Nays: 0. Motion carried.

Other Business

A. Master Plan implementation

a. Continue discussion of action items.

The commission agreed to continue discussion at the next planning commission meeting. No action taken.

Extended Public Comment

Open –9:52 p.m. No comments were offered. Closed – 9:52 p.m.

Final Board Comment

Buckley – commented that the Sidewalk and Pathway Prioritization address MDOT requirements

Adjournment – Chairman Squattrito adjourned the meeting at 9:56 p.m.

APPROVED BY:	
	Alex Fuller - Secretary
	Mike Darin – Vice Secretary
(Recorded by Jennifer Loveberry)	

City of Mt. Pleasant, Michigan



CITY HALL 320 W. Broadway • 48858 (989) 779-5300 (989) 773-4691 Fax PUBLIC SAFETY 804 E. High • 48858 (989) 779-5100 (989) 773-4020 Fax PUBLIC WORKS 320 W. Broadway • 48858 (989) 779-5400 (989) 772-6250 Fax

December 14, 2020

Charter Township of Union Planning Commission C/O Peter Gallinat, Charter Township of Union Zoning Administrator 2010 S. Lincoln Road Mt. Pleasant, MI 48858

Dear Mr. Gallinat:

The City of Mt. Pleasant is happy to announce adoption of our 2050 Master Plan on November 9, 2020. The plan is available online at www.mt-pleasant.org/masterplan.

We appreciate the participation of the Charter Township of Union to develop a vision for the future of our community. Please let me know if you have any questions.

Sincerely

Jacob Kain, AICP

Secretary, Mt. Pleasant Planning Commission



Board Expiration Dates

Planning Commission Board Members (9 Members) 3 year term					
#	F Name	L Name	Expiration Date		
1-BOT Representative	Lisa	Cody	11/20/2024		
2-Chair	Phil	Squattrito	2/15/2023		
3-Vice Chair	Ryan	Buckley	2/15/2022		
4-Secretary	Alex	Fuller	2/15/2023		
5-Vice Secretary	Mike	Darin	2/15/2022		
6	Stan	Shingles	2/15/2021		
7	Jessica	Lapp	2/15/2023		
8	vacar	nt seat	2/15/2021		
9	Doug	LaBelle II	2/15/2022		
Zoning Boar	rd of Appeals Members (Members, 2 Alternates)	3 year term		
#	F Name	L Name	Expiration Date		
1- PC Rep	Ryan	Buckley	2/18/2021		
2 - Chair	Andy	Theisen	12/31/2022		
3 - Vice Chair	Liz	Presnell	12/31/2022		
4 - Secretary	Taylor	Sheahan-Stahl	12/31/2021		
5 - Vice Secretary	Judy	Lannen	12/31/2022		
Alt. #1	Brandon	LaBelle	12/31/2022		
Alt. #2	Jim	Engler	2/15/2021		
	Board of Review (3 N	Members) 2 year term			
#	F Name	L Name	Expiration Date		
1	Doug	LaBelle II	12/31/2022		
2	vacar	it seat	12/31/2020		
3	Bryan	Neyer	12/31/2022		
Alt #1	Randy	Golden	12/31/2022		
Citize	ens Task Force on Sustaina	bility (4 Members) 2 year	term		
#	F Name	L Name	Expiration Date		
1	Don	Long	12/31/2020		
2	Mike	Lyon	12/31/2020		
3	vacar	it seat	12/31/2018		
4-BOT Representative	vacar	it seat	11/20/2020		
Construction Board of Appeals (3 Members) 2 year term					
#	F Name	L Name	Expiration Date		
1	Colin	Herron	12/31/2021		
2	Richard	Jakubiec	12/31/2021		
3	Andy	Theisen	12/31/2021		
Hannah's Bark Park Advisory Board (2 Members from Township) 2 year term					
1	Mark	Stuhldreher	12/31/2022		
2	John	Dinse	12/31/2021		
Chippewa River District Library Board 4 year term					
1	Ruth	Helwig	12/31/2023		
2	Lynn	Laskowsky	12/31/2021		
	•				



Board Expiration Dates

EDA Board Members (11 Members) 4 year term					
#	F Name	L Name	Expiration Date		
1-BOT Representative	Bryan	Mielke	11/202024		
2	Thomas	Kequom	4/14/2023		
3	James	Zalud	4/14/2023		
4	Richard	Barz	2/13/2021		
5	Robert	Bacon	1/13/2023		
6	Marty	Figg	6/22/2022		
7	Sarvijit	Chowdhary	1/20/2022		
8	Cheryl	Hunter	6/22/2023		
9	Vance	Johnson	2/13/2021		
10	Michael	Smith	2/13/2021		
11	David	Coyne	3/26/2022		
	Mid Michigan Area Cable	Consortium (2 Members)			
#	F Name	L Name	Expiration Date		
1	Kim	Smith	12/31/2022		
2	Vac	ant			
Cultural and	Recreational Commissio	n (1 seat from Township)	3 year term		
#	F Name	L Name	Expiration Date		
1	Robert	Sommerville	12/31/2022		
Sidewalks and F	Pathways Prioritization Co	mmittee (2 year term -PC	Appointments)		
#	F Name	L Name	Expiration Date		
1 - BOT Representative	Kimberly	Rice	11/20/2020		
2 - PC Representative	Mike	Darin	8/15/2022		
3 - Township Resident	Matt	Mertz	8/15/2021		
4 - Township Resident	Jeremy	MacDonald	10/17/2022		
5 - Member at large	vacan	t seat	8/15/2021		
Mid Michigan Aquatic Recreational Authority (2 seat from Township) 3 year term					
# F Name L Name			Expiration Date		
1 - City of Mt. Pleasant	John	Zang	12/31/2023		
2 - City of Mt. Pleasant	Judith	Wagley	12/31/2022		
1 -Union Township	Stan	Shingles	12/31/2023		
2 - Union Township			12/31/2022		
At Large					
At Large					



Large Firm Resources. Personal Attention. sm

December 22, 2020

Mr. Mark Stuhldreher Charter Township of Union 2010 S. Lincoln Road Mt. Pleasant, MI 48858

RE: Isabella Sheriff's Office and Correction Facility - Special Use Permit Application

Dear Mr. Stuhldreher:

On behalf of Isabella County, ROWE Professional Services Company is pleased to submit the Isabella Sheriff's Office and Correction Facility project for consideration for a special use designation within the agricultural district. The proposed project is located at 3110 S. Summerton Road, at the southwest quadrant of S. Summerton Road and E. Remus Road.

Based on section 3.4 of the Charter Township of Union zoning ordinance, public and institutional buildings are a permitted special use in the Agricultural zoning district. As the Sheriff stated during the project introduction to the township board on December 16, 2020, the existing correction facility located in downtown Mount Pleasant is in disrepair, and a new facility is needed to provide the community with safe and controlled means of inmate housing and an overall modern Sheriff's office and correction facility that will serve the Isabella County community for years to come.

In addition to bettering the community, the proposed facility has been sited and designed with the neighboring residents and landowners in mind. Careful attention has been given to building placement as well as utilizing landscaping and "berming" to screen the facility from neighboring residents as much as possible. The facility has been located deep within the parcel, maintaining a natural site buffer and setback from the primary roadways to the north and east, while still allowing future growth. In addition, the architectural character of the facility is not that of a stereotypical decade's old jail. Rather, a strong and approachable civic presence has been created in the public facades that will be visible along both Remus Rd and Summerton Rd. Finally, vehicular access has been orchestrated to provide separate staff and visitor entrances and related internal site circulation.

We are very excited about this project and look forward to working with the Charter Township of Union as we continue forward and doing our part to better the communities of Isabella County and the Charter Township of Union.

Sincerely, ROWE Professional Services Company

Troy R. Grunder, P.E. Project Manager

www.rowepsc.com

Community and Economic Development Department



2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 232

SPECIAL USE PERMIT APPLICATION COMPLETENESS REPORT

TO: ROWE Professional Services Company DATE: December 31, 2020

FROM: Rodney C. Nanney, AICP **ZONING:** AG Agricultural District

Community and Economic Development Director

PROJECT: Isabella Sheriff's Office and Correctional Facility

PARCEL(S): PID 14-024-30-001-00

Background Information

Applications for special use and preliminary site plan approval for a new Sheriff's Office and correctional facility on S. Summerton Rd. at E. Remus Rd. were received by the Township on December 23, 2020, following an initial presentation made to the Board of Trustees on 12/16/2020. A similar presentation is scheduled for introduction of the project to the Planning Commission during their upcoming 1/19/2021 regular meeting.

Under the Township's established procedures for reviewing these applications, the first step is a technical review by Township staff to confirm that each application is complete and accurate. The following report identifies missing required information and clarifications that are needed for the submitted applications to be complete and ready for Planning Commission review and any required public hearing:

Special Use Permit Application Information

Section 14.3.E. of the Zoning Ordinance establishes the minimum application information requirements for a special use permit application, and Section 14.3.J. establishes the standards for special use approval. The following items of required information and clarifications are necessary for a complete special use permit application:

- 1. **Provide proof of ownership or owner's consent for the application.** The application form lists Isabella County as the landowner, but proof of ownership is missing from the application materials. If the county has not yet closed on the property and the application has been submitted under terms of an executed purchase agreement, a copy of the signed agreement that includes permission from the current landowner for the application would satisfy this requirement. Financial details can be redacted from a purchase agreement submitted for this purpose.
- 2. **Provide the name and contact information for the county's representative.** The county contact person's signature is illegible on the form. Please provide the individual's name, position, and contact phone number and email address.

3. Provide documentation showing how the proposed uses and development conform to Section 14.3.J. (Standards for Special Use Approval). The applicant's 12/22/2020 letter includes a brief description of the proposed facility and site improvements, along with a summary of the needs for new inmate housing and facilities for the Sheriff's Department that led to submittal of this application. However, documentation addressing how the proposed uses and development satisfy each of the seven (7) standards for special use permit approval listed in Section 14.3.J. is missing from the application materials.

Staff recommends that each standard be addressed separately in the applicant's updated letter. The applicant is encouraged to provide a detailed evaluation of the project and these standards for the Planning Commission's consideration as they review this application.

4. Correct the general layout of the proposed water supply system connection. The proposed municipal water system connection to serve the proposed facility is shown as extending from a water line owned and operated by the Saginaw Chippewa Indian Tribe under a franchise agreement with the Township that prohibits extensions of this system beyond service to specified tribal-owned lands and facilities.

Documentation will be needed to demonstrate how water service to the new county facility will conform to Township requirements and be integrated into the Township's municipal water system. This documentation is requested at the special use permit application stage to show that the proposed use and development is consistent with the standard for special use approval listed in Section 14.3.J.7. of the Zoning Ordinance.

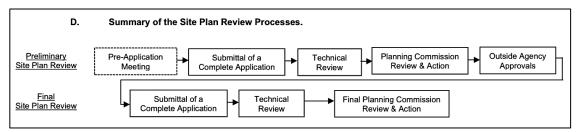
5. **Correct the general layout of the proposed sanitary sewer system.** The proposed sanitary sewer system connection to serve the new county facility is shown as extending from an existing Township sewer line that runs west from the development site to an existing pump station at the west end of E. Remus Rd., which connects into a force main within the US-127 right-of-way that connects to the Township's wastewater treatment facility. However, no documentation has been provided to confirm whether the existing sanitary sewer infrastructure is adequate to support the capacity needs of this new institutional facility.

While it is recognized that some engineering-related details will not be fully resolved until the final site plan stage of this project, this documentation is requested at the special use permit application stage to show that the proposed use and development is consistent with the standard for special use approval listed in Section 14.3.J.7.

Preliminary Site Plan Application Information

The Township's Zoning Ordinance requires both a preliminary and a final site plan approval. Per Section 14.2.J., preliminary site plan approval by the Planning Commission "shall indicate its general acceptance of the proposed layout of buildings, streets, drives, parking areas, and other facilities and areas." Following this preliminary approval, the applicant is responsible for

securing all applicable agency permits and approvals, including the Township's Public Services Department (for municipal water and municipal sewer services) and other agency approvals. Final site plan approval then "constitutes the final zoning approval for the project and allows for issuance of a building permit to begin site work or construction, provided all other construction and engineering requirements have been met" (Section 14.2.L.).



The following details are missing from or need to be clarified to satisfy the minimum required information for a preliminary site plan application:

6. **Required Preliminary Site Plan Information.** The following additional details or corrections are needed to conform to Section 14.2.P. (Required Site Plan Information):

Preliminary Site Plan Information Requirements			
Add a detailed use statement to the site plan describing proposed uses of the proposed facility; including building areas for each use, number of units/beds/cells, and number of anticipated employees during peak activity periods.			
Correct the delineation of required setbacks to show a minimum required 50.0-foot <u>front</u> yard setback from all lot boundaries abutting parcels 014-024-20-001-00, -02, and -03.			
Correct the delineation of required setbacks to show a minimum required 30.0-foot side yard setback from the south side lot boundary abutting parcel 014-024-20-004-02.			
Correct the visual engineer's scale references on sheets C-101 and C-200.			
Add the existing zoning classifications, owners' names, existing uses, and location of structures, drives, and improvements for all surrounding parcels, including land on the north side of E. Remus Road and on the east side of S. Summerton Rd.			
Add the required vicinity map to the cover sheet showing the general location of the site.			
Add the number of floors, gross and net floor areas, and ground floor area of the proposed building.			
Add an elevation detail of the proposed outdoor waste receptacle enclosure showing materials and dimensions.			

7. Add calculations for required parking to the site plan, including any proposed alternative standard. The most similar land uses listed in the Section 9.2 parking tables are "Public and Institutional Buildings and Uses" [Section 9.2(E)] and "Business and Professional Offices" [Section 9.2(F)]. Per Section 9.2.A. of the Zoning Ordinance, "The Planning Commission may modify the numerical requirements for off-street parking based on evidence that another standard would be more reasonable...."

If there is a more appropriate parking standard available for county jail and law enforcement office facilities, details will need to be provided on the revised site plan to support this alternative standard as part of the required parking calculations.

Requested Actions

Based on the above findings, it is the determination of Township staff that the specified additional information and clarifications noted in this report are necessary for the submitted applications to be complete and ready for Planning Commission review and any required public hearing.

I would respectfully request that the applicant take action to revise the applications as needed for completeness, and to submit the updated materials and plans to the Township as a supplement to the initial application submittals in the same formats and quantities as required for the initial applications.

Please contact me at (989) 772-4600 ext. 232, or via email at rnanney@uniontownshipmi.com, with any questions about this information.

Respectfully submitted,

Rodney C. Nanney, AICP

Community and Economic Development Director

Charter Township

Community and Economic Development Department

2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 232

SITE PLAN REPORT

TO: Planning Commission DATE: December 28, 2020

FROM: Peter Gallinat, Zoning Administrator **ZONING:** B-5 Highway Business District

PROJECT: PSPR 20-02 Preliminary Site Plan Approval Application for a new Sam's Club filling

station, 4850 Encore Drive.

PARCEL(S): PID 14-026-30-001-07

OWNER(S): Sam's Club

LOCATION: Approximately 16.8 acres west and north of Encore Drive in the SW 1/4 of Section

26.

EXISTING USE: Sam's Club Retail/Warehouse **ADJACENT ZONING:** B-5

FUTURE LAND USE DESIGNATION: *Bluegrass Center Area.* While currently more auto-centric, this area has the potential to transition into a more walkable, vibrant center. Future uses should be integrated to include multi-story, mixed-use buildings; first floor retail and office uses; public use and spaces; entertainment and restaurant venues; and additional attached housing types such as townhouses. Both vehicular and pedestrian cross connections should be promoted between sites, providing for future connections through easements, and should collectively promote a vibrant, livable center to the neighboring university population.

ACTION REQUESTED: To review and take action to approve, deny, or approve with conditions the PSPR 20-02 preliminary site plan dated December 3, 2020 for the Sam's Club Filling Station.

Status of the Special Use Permit for this Project

A special use permit for a filling station was previously approved in 2005, but the required site plan for the filing station was never approved. A new special use permit is not required because this approval stays with the land once approved.

Site Plan Approval Process

Per Section 14.2C of the Zoning Ordinance, both preliminary site plan approval and final site plan approval are required for this project, unless the applicant chooses to submit a combined preliminary/final site plan (as allowed per Section 14.2M) and pay the required fees for both. The applicant checked the "final site plan" box on the application form, but the project has not yet received preliminary approval. The applicant applied for a preliminary site plan review in July of 2020. The application was not ready to be sent to the Planning Commission. The applicant has made necessary modifications to the plan to be ready for Planning Commission review. Both a preliminary and final site plan will be required for this project.

Preliminary Site Plan Review Comments

The following additional comments are based on the standards for preliminary site plan approval and specific elements of the proposed site plan:

1. **Section 14.2.P.** (Required Site Plan Information). The following items of required information are missing, but the site plan is sufficiently complete for Planning Commission review and action as a preliminary site plan, provided that **the final site plan for this project shall include these details and all other items of required information** per Section 14.2.P. of the Zoning Ordinance:

Missing Preliminary Site Plan Information	
Add the name, address, and contact information for the applicant and the property owner to the site plan's cover sheet.	
Add the tax identification number of the subject parcel to the site plan.	
Add a detailed use statement to the site plan's cover sheet describing the proposed use of the subject parcel's proposed development area and include the number of anticipated on-site employees and other applicable information to verify Ordinance compliance.	
Add an overall site plan revision date to the site plan's cover sheet.	
Add a note to the site plan to confirm that no outdoor sales or display areas are proposed for this filling station site.	
Add detailed exterior façade elevation drawings to the site plan for the proposed principal building and for the proposed fueling station canopy structure, drawn to an appropriate scale and indicating types, colors, and dimensions of finished materials.	

- 2. **Section 8 (Environmental Performance Standards).** Applicant has indicated on the site plan that the nearest drinking water well is located approximately 1,500 feet west of the proposed site of the underground fuel storage tanks for this filling station. The site plan includes soil erosion/sedimentation control and stormwater runoff pollution prevention plan details. **The following environmental protection details will need to be addressed by the applicant as part of the final site plan submittal**:
 - Application is missing the completed hazardous substance reporting form and EGLE permit checklist form included in the application materials. These completed forms will be required as part of the final site plan submittal.
 - ☐ Provide documentation of compliance with State of Michigan requirements for underground fuel tanks located less than 2,000 feet from municipal water wells, including tank installation details and copies of required permits and approvals.
- 3. **Section 9 (Off-Street Parking).** Parking required per section 9.2.f. is 1.5 spaces per fueling station. The site plan depicts 16 fueling stations, which would require a minimum of 24 spaces (including a space at each fueling station, stacking spaces, and employee parking). The applicant's 12/11/2020 response letter notes that the remaining required spaces have been provided, only two (2) spaces are delineated on the site plan. There is more than sufficient space available to meet minimum requirements. **The following parking details will need to be addressed by the applicant as part of the final site plan submittal**:

- Add a dotted line rectangle at least 9 feet in width and 18.5 feet in length to the site plan adjacent to each fueling station, plus two (2) equal sized spaces in each stacking lane. A separate parking plan detail would be preferred.
 Correct the calculations for parking to reference the minimum Section 9.2(F) requirements for a filling station (minimum of 1.5 spaces per fueling location) and to indicate the minimum required number of spaces for the site (24) and the number actually provided (34 total; including 18 parking and 16 stacking spaces).
- 4. **Section 7.10 (Sidewalks and Pathways).** Applicant has provided sidewalks along the eastern and southern portion of the site along Encore Blvd. The proposed sidewalk is 5 feet in width and continues north from the site to connect to the existing public sidewalks adjacent to the Members First Credit Union and to the existing internal sidewalk connection to the Wal-Mart building (see details on sheets 14 or 15). The site plan also includes a proposed sidewalk along the south side of the filling station site that is actually located on a thin triangle of land owned by Mount Pleasant Holdings LLC. The applicant has submitted a draft amendment to the Easements with Covenants and Restrictions Affecting Land agreement originally entered into in 2005 with Wal-Mart, Sam's, Menard, and Bluegrass Investment Group, LLC. The draft amendment identifies this thin triangular area of land on "Exhibit A" as "Sam's Maintenance and Access Area."

The draft amendment allows for construction of "additional building improvements, designated vehicular parking spaces that may be covered by a canopy, directional signage, pavement markings, and parking lot signage" in this triangular area, but does not include an allowance for construction of a public sidewalk. In addition, there is no provision for the necessary easement to cover the short (about 16-foot) section of proposed public sidewalk adjacent to the west driveway located on the Mount Pleasant Holdings LLC land outside of any existing or proposed public access easement. The following parking details will need to be addressed by the applicant as part of the final site plan submittal:

Expand the public access easement to include the short section of proposed public sidewalk adjacent to the west driveway on the Mount Pleasant Holdings LLC land.
All new easements and the amended agreement will need to be recorded on the subject parcels at the Isabella County Register of Deeds Office.
Provide as-recorded copies of the 20-foot public access easement, the additional easement area needed for the short section of new public sidewalk, and the updated and notarized Easements with Covenants and Restrictions Affecting Land agreement to the Zoning Administrator prior to issuance of building permits for this project.

- 5. **Section 6.18 (Filing Stations...).** The proposed site plan complies with Section 6.18 requirements for access, minimum lot size, setbacks, and lighting for a filling station.
- 6. **Consistency with the Master Plan.** Completion of the public sidewalk network along the west side of Encore Blvd. will help to create a more walkable center consistent with Master Plan goals for the Bluegrass Center Area. The proposed filing station land use is not consistent with the Plan's focus on mixed-use development, but is consistent with the previously approved special use permit for a filling station at this location.

Additional Comments for Preparation of the Final Site Plan

- 7. **Section 8.2 (Exterior Lighting).** Lighting details are a final site plan requirement, but the applicant has provided a photometric plan and some details regarding proposed fixtures and light pole height. **The following lighting details will need to be addressed by the applicant as part of the final site plan submittal:**
 - Add the manufacturer's specification sheets for each proposed fixture to the final site plan set (not as additional pages) to demonstrate that all fixtures are fully shielded and directed downward.
- 8. **Section 10.2.B (General Landscaping Requirements).** A detailed landscape maintenance/installation plan is a final site plan detail, but the applicant has provided some conceptual landscaping information on the preliminary site plan. All unpaved portions of the site shall be planted with grass, ground cover, shrubbery or other suitable live plant material, except where specific landscape elements are required. Such plant material shall extend to the edge of any abutting paved area or roadway. Trees and shrubs shall be set back a minimum of ten (10) feet from the paved area or roadway.

Staff would have no objection from a planning perspective to Commission approval of the preliminary site plan with the applicant's proposals to remove some existing landscape plantings that either block clear visibility at the east driveway or are in the path of required sidewalk improvements. The final site plan will need to include the following landscaping improvements along Encore Drive:

- a. A minimum of one Deciduous Street Tree per 40 liner feet of road frontage.
- b. A minimum of one Ornamental Tree per 100 linear feet of road frontage.
- c. A minimum of eight shrubs per 40 linear feet of road frontage.

Existing landscaping to remain on the site can be used to satisfy applicable requirements. The location of required landscaping can be adjusted within the development site to avoid utility and safety-related conflicts.

9. **Outside agency approvals.** The applicant shall be responsible for obtaining all necessary permits or approvals from applicable outside agencies, prior to final site plan approval. This plan has approvals from the Mt. Pleasant Fire Department, Isabella County Road Commission, and Storm Water approval from the Isabella County Drain office. Plan still requires approval from Isabella County Transportation Commission, the Township Public Services Department, and the State of Michigan.

Objective

The Planning Commission shall review the application materials and site plan, together with any reports and recommendations. The Planning Commission shall identify and evaluate all relevant factors and shall then take action by motion to approve the site plan, to approve the site plan with conditions, to deny the site plan application, or to postpone further consideration of the site plan to a date certain in accordance with Section 14.2.H. of the Zoning Ordinance.

Key Findings

- 1. The site plan is missing several items of required preliminary site plan information but is sufficiently complete for Planning Commission review.
- 2. If updated consistent with the details noted in this report, the preliminary site plan can fully conform to Section 14.2.S. (Standards for Site Plan Approval).
- 3. The proposed filing station does not conform to the Master Plan's mixed-use goal for the Bluegrass Center Area, but is consistent with the previously approved special use permit for a filling station at this location.

Recommendations

Based on the above findings, I would ask that the Planning Commission consider taking action to approve preliminary site plan PSPR 20-02, subject to the following conditions:

- 1. Provide the missing items of required information on the final site plan per Section 14.2.P.
- 2. Update the parking, exterior lighting, sidewalk easement, and landscaping details on the final site plan to conform to Zoning Ordinance requirements.
- 3. As part of the final site plan submittal, provide the completed hazardous substance reporting form and EGLE permit checklist form from the application materials and documentation of compliance with State of Michigan requirements for underground fuel tanks located less than 2,000 feet from municipal water wells.

Please contact me at (989) 772-4600 ext. 241, or via email at pgallinat@uniontownshipmi.com, with any questions about this information.

Respectfully submitted,

Peter Gallinat, Zoning Administrator

Community and Economic Development Department

INSTRUCTIONS

- All items in this list must be included in the drawing unless exempted by ordinance or specifically noted as not included. Incomplete submissions may not be forwarded to the Planning Commission for review. All features of the plan must conform to the Union Township Zoning Ordinance 1991-5 and other state and local ordinances and laws as applicable. Union Township Well Head Protection documents are a part of Site Plan Review and required with your Site Plan submission.
- To expedite this process you should make Storm Water Management and Road Permit Applications as soon as possible, and submit a copy of the site plan to the Mt. Pleasant Fire Department. Site plans received prior to these outside approvals may be reviewed as Preliminary Site Plan Reviews and may require a Final Site Plan Review submission after receiving outside agency approvals. You may elect to receive a Preliminary Review by the Planning Commission prior to other submittals. Contact the appropriate agency for their submission requirements and any required forms.
- Special Use Permits: Uses requiring a Special Use Permit have both a special use permit approval process and a site plan review. The fee for a Special Use Permit is in addition to the site plan review fee*. This form and a Special Use Permit Application must accompany application for a Special Use Permit. The Planning Commission will make a recommendation to the Charter Township of Union Board who has approval authority, thus requiring two meetings, one of the commission and one of the board. If desired, the applicant may elect to have the Public hearing with a preliminary plan showing sufficient detail to determine the impact on the surrounding properties, and address other issues of concern, and then proceed to final Site Plan Review. In this approach the commission will make its finding subject to final site plan approval at the first meeting, and the applicant will return with a detailed drawing meeting all the elements of site plan review, including submission to outside agencies.
- SUBMISSION DEADLINE: Ten copies of the site plan and this completed check list must be submitted no
 less than 14 days prior to the Planning Commission meeting. The Planning Commission meets at 7:00 PM on
 the third Tuesday of each month. A Site Plan Review fee* must accompany each submission. You will not
 receive any notification prior to your scheduled meeting; it is your responsibility to show up at the meeting. If
 your are uncertain, call the Zoning administrator at (989) 772 4600 ext 41
- Applicants may submit a single copy of the plan and check list prior to the submission deadline to the zoning administrator for review and comment.
- Land Owner (or his / her agent) is responsible to apply for all permits, including Building, Grading and Zoning
 permit, Sign Permit, Water and Sewer, and Land Divisions (if applicable) AFTER Planning Commission review
 and approval. The proposed use shall be constructed per the submitted plan including any conditions of
 approval. Minor revisions maybe approved by the zoning administrator. Consult with the township before
 implementing any changes to the approved site plan.

FILL OUT THE FOLLOWING

1.	This application is for (circle one) Preliminary Site Plan Review Final Site Plan Review
11.	App Li cant Name Keith Moore, Carlson Consulting Engineers
III.	Applicant Address 7068 Ledgestone Commons, Bartlett, TN 38133
IV.	Applicant Phone 901-384-0404 Owner Phone 417-861-6794
V.	Applicant is (circle) Contractor Architec Engineer Developer Land Owner (skip V& VI) Other
VI.	Land Owner Name Sam's Real Estate Business Trust
VII,	Land Owner Address 2101 SE Simple Savings Dr, Bentonville, AR 72716
VIII.	Project/Business Name Sam's Fueling Station #4982-211
IX.	Fill out check list that follows. You must check off that each item has been included in the drawing. If an item is not going to be included in the construction, note that in the comment area. For the first three items, check off if you have made the required submittals to other reviewing agencies.
	check of a you have made the required submittains to other reviewing agencies.

SUBMITTALS TO OTHER AGENCIES	0.5	
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Storm water management plan approval prior to application. Reviewed by the County Engineer		Copy of Union Township Storm Water Management Plan available upon request. Submit (2) copies of plan and calculations directly to the Isabella County Engineer, contact Bruce Rohrer at (989) 772 0911. ext. 231. Any review fees are additional.
	(1)	Submitted on 7/22/2020
All curb cuts, acceleration/deceleration lanes, additional drives, and other matters pertaining to roads to be approved by MDOT or Isabella County Road Commission prior to application.		MDOT (M 20, BR 127 sites) at (989) 773 7756. Contact Isabella County Road Commission (all other county roads) at (989) 773 7131. Submit (3) copies.
		Submitted on 7/22/2020
Mt. Pleasant Fire Dept.		Sgt Randy Keeler (989) 779-5122, (2) copies
		Approved on 6/8/2020
Isabella Co Transportation Commission (ICTC)	10.11	Rick (989) 773 2913, (2) copies
The state of the s		Approved on 6/5/2020
WELLHEAD PROTECTION REPORT	RTINO	G FORMS (Required for all Site Plans)
Hazardous Substances Reporting Form Part I and II		Kim Smith (989) 772-4600 ext 224
(Forms included in this packet)		ksmith@uniontownshipmi.com
PERMIT INFORMATION - DEQ Check List		Submitted on 7/xx/2020
CITC DI AN DECLUDENTENTO	-	
SITE PLAN REQUIREMENTS	OL 1	Comments - (also indicate any features which will not be included in the development or are not applicable)
Name and addresses of Property Owner		
Name and Address of Applicant	X	
Provide Construction Type (per Mi Building Code) and if sprinkled, (assume Type IVb, un-sprinkled if	x	II-B
not provided)		

The date, north arrow and scale. The scale shall be not less than 1"= 20' for property under three (3) acres and not more than 1"=40' for property greater than three acres.		Market by Sea View and Sealth and No all the Sealth and
All lot and/or property lines are to be shown and dimensioned, including building setback lines	x	
The location and dimensions of all existing and proposed: fire hydrants (within 400 feet of building) drives,	x	
Elevation of building front, side, and back. Include Sign size, height, and design. Canopy heights extending over driveways accommodate Public Transportation	x	
Source of utilities. Public water and sewer approval by Union Township Utility Coordinator prior to application.	x	Note: Union Township policy is to issue sewer and water permits after application for a building permit. Applicant is advised to contact the utility department for availability prior to site plan review. The township does not coordinate other utility matters. Applicant to assure himself that site is suitable for septic systems, contact Central Michigan District Health Department
All dumpsters shall be screened from public view with an opaque fence or wall no less than six feet in height. Show location. (Note most refuse contractors require concrete pad to place dumpsters upon)	N/A	Fuel station will utilize the existing Sam's Club dumpter
The location and right-of-way width of all abutting roads, streets, alleys and easements.	x	
A locational sketch drawn to scale giving the section number and the nearest crossroads.	x	

The zoning of the subject property and the abutting properties.	X	
The location, height and type of fences and walls.	N/A	None proposed
The location and detailed description of landscaping.	N/A	No new landscaping proposed
For multiple family and mobile home parks, contour intervals shall be shown (two foot intervals for average slopes ten percent and under and five foot intervals for slopes over ten percent). Topography, however, is encouraged to be shown on all site plans.	N/A	Egyptis (a) year o'm and be egyptis (a) year o'm a lead
The location of all existing and proposed structures on and within one hundred feet of the subject property's boundary.		pavaline komenie pi
For apartments, provide a count of bedrooms per building and total count of bedrooms for the project.	N/A	The Assert part of the Newton Committee of the Committee

APPLICANT COMMENTS

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		ALL THE REAL PROPERTY.	

I submit the site plan and this application as a true representation of existing and proposed conditions. I agree to install all features as shown and to abide by conditions placed upon approval of this plan by the Union Township Planning Commission. False or inaccurate information placed upon this plan may be cause for revocation of any permits issued pursuant to site plan approval and for removal of work installed. Any changes to the Site Plan now or in the future must be approved by the Union Township Planning Commission or Zoning Administrator. Approval of this plan shall not constitute the right to violate any provisions of the Union Township Zoning Ordinance 1991-5, or other applicable building or state codes and or laws

Signapuse of Applicant

Signature of Owner (if other than applicant)

7/27/2020 Date

PLEASE PLACE OUR REVIEW ON THE ___TBD

(INSERT DATE)

PLANNING COMMISSION MEETING. An owners representative WILL / WILL NOT attend. You will not receive a reminder of the scheduled meeting.

Township use Review Comments

File # _____

Fee Paid initial ____

Receipt # ____

Date received ____

Planning Commission Agenda

Planning Commission Decision ____



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Prenared Ry:	Date:	Tyne:

Droject.

Scottsdale Vertex™ (SCV)

Catalog #

Petroleum Canopy LED Luminaire















OVERVIEW				
Lumen Package	9,000 - 23,000			
Wattage Range	67 - 188			
Efficacy Range (LPW)	109 - 154			
Weight lbs(kg)	18.5 (8.4)			

QUICK LINKS

Ordering Guide

Performance

Photometrics

Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged low-profile die-cast aluminum housing, optical unit, and driver cover.
- Below canopy access to optical chamber and driver housing for serviceability.
- IP66 rated luminaire protects integral components from dust and water.
- Fixtures are finished with LSI's DuraGrip* polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or
- Four fasteners secure the door frame to housing. Door frame also provides quick and easy access to the electrical compartment for servicing.
- Shipping weight: 18.5 lbs in carton.

Optical System

- Symmetrical distribution utilizes a clear tempered flat glass lens to uniformly illuminate the area under the gas canopy.
- Combination Forward Throw distribution uses clear tempered flat glass and optical grade PMMA acrylic lens to create an industry leading unique distribution pattern to illuminate the area under the gas canopy and the area between the gas canopy and convenience store eliminating the need for extra floodlights.
- Available in 5000K, 4000K and 3000K color temperatures.
- Minimum CRI of 80.

Electrical

• High-performance programmable driver features over-voltage, under-voltage, shortcircuit and over temperature protection. Custom lumen and wattage packages available.

- 0-10V dimming (10% 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F) when mounted to Steel/ Aluminum surfaces for 10L, 13L, & 15L Lumen Packages, +45°C for 20L Lumen Package, and +35°C for 23L Lumen Package. If mounted to a non-metallic surface, reduce ambient by 5°C.
- Power factor: >0.90
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs are mounted to (4) circuit boards to maximize heat dissipation
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.

Hazardous Location

· Designed for lighter than air fuel applications. Product is suitable for Class 1 Division 2 with all lumen packages and distributions only when properly installed per LSI installation instructions. Models with optional controls are not approved for Class 1, Division 2 applications.

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

Installation

- Installs in a 12" or 16" deck pan.
- Four fasteners are provided for use in single deck steel canopies. Other suitable fasteners may be required and provided by others.
- Unit is designed to quickly retrofit into existing Scottsdale (4") hole.
- · Aluminum locking collar and gasket are included and required for complete seal and support of canopy deck.
- Retrofit panels are available for existing Encores, Richmond, 2x2 Universal, and
- Direct mount to surface or recessed J box with hardware bracket kit ordered separately as an accessory.

Warranty

 LSI LED Fixtures carry a 5-year warranty or 10-year warranty with registration for petroleum applications only (contact your LSI representative for details).

Listinas

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- State of California Title 24 Compliant with IMSBT or ALSC/ALSCS option.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights. org/QPL to confirm which versions are qualified.







Scottsdale Vertex SCV Petroleum

ORDERING GUIDE Back to Quick Links

SCV LED 13L SC UNV DIM 50 WHT IMSBT2 TYPICAL ORDER EXAMPLE:

Family / Size	LED Gen	Lumen Package	Distribution	Voltage	Driver	Color Temperature	Finish	Options
SCV - Petroleum Canopy Luminaire	LED	10L - 10000 Lumens 13L - 13000 Lumens 15L - 15000 Lumens 20L - 20000 Lumens 23L - 23000 Lumens Custom Lumen	SC - Standard Symmetric	UNV - 120-277V HV - 347-480V	DIM - Dims to 10% (0 to 10V dimming)	50 - 5,000K 40 - 4,000K 30 - 3,000K	WHT - White BLK - Black BRZ - Bronze	Blank - NONE ALSC - AirLink Synapse Wireless Control System ALSCS - AirLink Synapse Wireless Control System with Sensor ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height) ⁴ ALBCS2 - AirLink Blue Wireless Motion & Photo
		Packages ⁵ 23L - 23000 Lumens	SCFT - Combination Standard Symmetric and Forward Throw ⁶					Sensor Controller (25-40' mounting height) ⁴ IMSBT1 - Integral Bluetooth [™] Motion and Photocell Sensor 8 - 24' mounting height ^{1,4} IMSBT2 - Integral Bluetooth [™] Motion and Photocell Sensor 25 - 40' mounting height ^{1,4} HL - Hazardous Location Class 1 Div 2 ⁶

Accessory Ordering Information

Accessory Gracing information			
Description	Part Number	Description	Part Number
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 16" Deck Panel with larger openings ²	673425R2	Junction Box	687461
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 12" Deck Panel ³	676011R2	Kit - Hole Plugs and Sealant (enough for 25 retrofits)	1320540
Retrofit Panel Kit - RECU Richmond to SCV	673426R2	Rectangular Top Plate Kit (includes top plate and sealant)	678291R2WHT
Retrofit Panel Kit - UNV Universal 2x2 to SCV	673427R2	Surface Mount Box	673433R2
Retrofit 2x2 Cover Panel Blank (no holes)	357282	Retrofit Kit - CRU/CRUS to SCV	687462R2
Retrofit RIC Cover Panel Blank (no holes)	354702	Retrofit Kit for SCM/SCV to upgrade SC/SCF/EC/ECTA White	744333
26" X 26" Beauty Plate Kit (with 4" Center hole)	557193WHT	BRKT SCM / SCV DIRECT MNT W/ HDWR	752172R2
26" X 32" Beauty Plate Kit (with 4" Center hole)	564160WHT		

FOOTNOTES:

- $\ensuremath{\text{1}}$ IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- 2 Ideal for 9" to 12" openings. 3 Ideal for 9" openings.

- 4 Not available in HV.
- 5 Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
 6 - HL not compatible with AirLink or IMSBT controls





Scottsdale Vertex SCV Petroleum

PERFORMANCE

Back to Quick Links

DELIV	DELIVERED LUMENS*									
B	3000K CCT			4000K CCT			5000K CCT			
Drive Current	Delivered Lumens	Efficiency	BUG Ratings	Delivered Lumens	Efficiency	BUG Ratings	Delivered Lumens	Efficiency	BUG Ratings	Wattage
10L	9652	144	B3-U0-G1	9928	148	B3-U0-G1	10317	154	B3-U0-G1	67
13L	12567	140	B3-U0-G1	12927	144	B3-U0-G1	13443	149	B3-U0-G1	90
15L	13999	137	B3-U0-G1	14399	141	B3-U0-G1	14963	147	B3-U0-G1	102
20L	18755	141	B4-U0-G1	19598	147	B4-U0-G1	20234	152	B4-U0-G1	133
23L	21783	141	B4-U0-G2	22406	145	B4-U0-G2	23284	150	B4-U0-G2	155
23L (SCFT)	20886	111	B3-U0-G3	23187	123	B4-U0-G3	23101	123	B3-U0-G3	188

^{*}LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA - Current draw in AMPS*								
Lumen Level	Wattage	120V	208V	240V	277V	347V	480V	
10L	67	0.56	0.32	0.28	0.24	0.19	0.14	
13L	90	0.75	0.43	0.37	0.32	0.26	0.19	
15L	102	0.85	0.49	0.42	0.37	0.29	0.21	
20L	133	1.1	0.64	0.55	0.48	0.38	0.28	
23L (SC)	155	1.29	0.75	0.65	0.56	0.45	0.32	
23L (SCFT)	188	1.57	0.9	0.78	0.68	0.54	0.39	

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

RECOMMENDED LUMEN MAINTENANCE - SCV 15L SC ¹							
Ambient	Lumen Multiplier						
Temperature C	Initial ²	25k hr ²	50k hr ²	75k hr³	100k hr ³		
25	102%	97%	92%	88%	84%		
30	102%	97%	92%	88%	84%		
35	102%	97%	92%	88%	84%		
40	102%	97%	92%	88%	84%		
45	101%	95%	91%	86%	81%		
50	101%	95%	90%	85%	80%		

RECOMMENDED LUMEN MAINTENANCE - SCV 23 SC ¹					
Ambient					
Temperature C	Initial ²	25k hr ²	50k hr²	75k hr³	100k hr ³
25	102%	97%	92%	88%	84%
30	102%	97%	92%	88%	84%
35	102%	97%	92%	88%	84%
40	101%	96%	91%	86%	82%

RECOMMENDED LUMEN MAINTENANCE - SCV 23 SCFT ¹					
Ambient	Lumen Multiplier				
Temperature C	Initial ²	25k hr²	50k hr²	75k hr³	100k hr³
25	105%	88%	73%	61%	51%
30	105%	80%	61%	47%	36%
35	105%	70%	47%	32%	21%

- 1. Lumen maintenance values at $25\,^{\circ}\text{C}$ are calculated per TM-21 based on
- LM-80 data and in-situ luminaire testing.

 2. In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under
- testing ((DUT) i.e. the packaged LED chip).

 3. In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).





Scottsdale Vertex SCV Petroleum

PHOTOMETRICS Back to Quick Links

Luminaire photometry has been conducted by an accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See http://www.lsi-industries.com/products/led-lighting-solutions.aspx for detailed photometric data.

SCV-LED-15L-SC-50

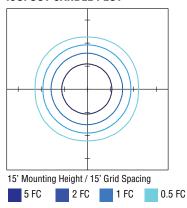
Luminaire Data

Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	15,410
Watts	103
Efficacy	150
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G1

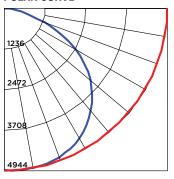
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	4101.6	26.6%
Medium (30-60)°	8386.4	54.4%
High (60-80)°	2748.8	17.8%
Very High (80-90)°	173.4	1.1%
Uplight (90-180)°	0.0	0.0%
Total Flux	15410.2	100%

ISOFOOT CANDLE PLOT



POLAR CURVE



SCV-LED-23L-SCFT-50

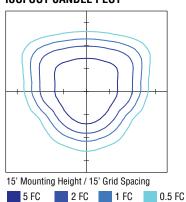
Luminaire Data

Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	24,361
Watts	191.5
Efficacy	127
IES Type	Type IV - Short
BUG Rating	B3-U0-G3

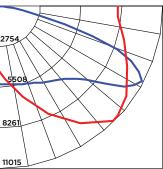
Zonal Lumen Summary

Lumens	%Luminaire
4368.4	17.9%
12592.5	51.7%
6960.6	28.6%
439.5	1.8%
0.0	0.0%
24361.0	100%
	4368.4 12592.5 6960.6 439.5 0.0

ISOFOOT CANDLE PLOT



POLAR CURVE



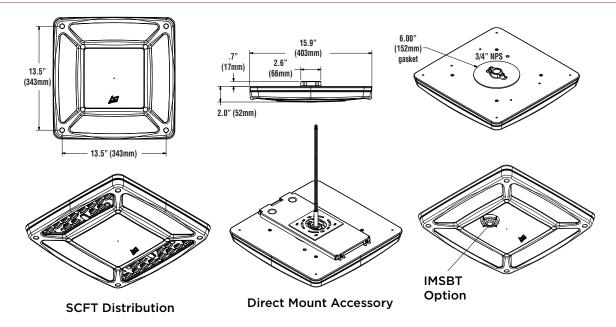
Туре: _____



Scottsdale Vertex SCV Petroleum

PRODUCT DIMENSIONS

Back to Quick Links



CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system.

The wireless integrated controller is compatible with this fixture.

Click the link below to learn more details about AirLink.

https://www.lsicorp.com/wp-content/uploads/documents/products/airlink-outdoor-specsheet.pdf

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click the link below to learn more details about IMSBT.

https://www.lsicorp.com/wp-content/uploads/documents/products/imsbt-specsheet.pdf

AirLink™ Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click the link below to learn more details about AirLink Blue.

https://www.lsicorp.com/product/airlink-blue/

RETROFIT KITS

LSI Industries offers a full line of Retrofit Kits for existing Encore, Richmond, 2x2 Universal and many more older canopy luminaires.

Click the link below to see more details on all our Retrofit Kits.

https://www.lsicorp.com/wp-content/uploads/all/scv-petro-retrofit-specsheet.pdf



When Recorded Return To: Walmart, Inc. Attn: Bernie Coerber, Senior Counsel 2608 S.E. J Street Bentonville, AR 72716-5560

Cross-Reference:

- Easements with Covenants and Restrictions
 Affecting Land recorded on December 16, 2005 in
 the Isabella County, Michigan records at Liber
 1327, Page 250 and
- First Amendment to Easements with Covenants and Restrictions Affecting Land recording on April 24, 2006 in the Isabella County, Michigan records at Liber 1344, Page 0297.

SECOND AMENDMENT TO EASEMENTS WITH COVENANTS AND RESTRICTIONS AFFECTING LAND

THIS SECOND AMENDMENT TO EASEMENTS WITH COVENANTS AND
RESTRICTIONS AFFECTING LAND (this "Amendment") is made as of this day of
, 20, between SAM'S REAL ESTATE BUSINESS TRUST, a
Delaware statutory trust ("Sam's"), whose address is 2608 SE J Street, Bentonville, Arkansas
72716-5560, WAL-MART REAL ESTATE BUSINESS TRUST, a Delaware statutory trust
("Walmart"), whose address is 2608 SE J Street, Bentonville, Arkansas 72716-5560;
MENARD, INC., a Wisconsin corporation ("Menard"), whose address is
; MOUNT PLEASANT HOLDINGS, LLC, a Michigan
limited liability company ("MPH"), whose address is; MEMBER'S
FIRST CREDIT UNION, a ("MFCU"), whose address is
; and KOHL'S MICHIGAN, L.P., a Delaware limited partnership
("Kohl's" and collectively with Sam's, Walmart, Menard, MPH, and MFCU, the "Parties").

WITNESSETH:

WHEREAS, Wal-Mart, Sam's, Menard, and Bluegrass Investment Group, LLC ("<u>Bluegrass</u>") entered into that certain Easements with Covenants and Restrictions Affecting Land dated as of November 23, 2005 and recorded in the Isabella County, Michigan records at Liber 1327, Page 0250 (the "Original ECR");

WHEREAS, Wal-Mart, Sam's, Menard, Bluegrass, and Kohl's entered into that certain First Amendment to Easements with Covenants and Restrictions Affecting Land dated as of April 21, 2006 and recorded in the Isabella County, Michigan records at Liber 1344, Page 0297 (the "First Amendment" and together with the Original ECR, the "ECR");

WHEREAS, MPH and MFCU are each successors-in-interest to Bluegrass;

WHEREAS, as more particularly set forth herein, the Parties have agreed to amend the ECR; and

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby agree to the amendments and provisions set forth herein as follows:

1. <u>Definitions</u>. Except as otherwise defined herein, capitalized terms used herein shall have the meanings set forth in the ECR.

2. Amendments.

- a. <u>Site Plan</u>. <u>Exhibit A</u> attached hereto shall be an addition and supplement to and comprise a part of the Site Plan attached to the First Amendment. The term "<u>Site Plan</u>" as used in the ECR shall mean and refer to Exhibit A attached to the First Amendment and Exhibit A attached hereto.
- b. Online Pickup and Fuel Programs. Notwithstanding anything to the contrary in the ECR, each of Sam's shall have the right to construct and operate a fuel station on the Sam's Tract (the "Sam's Fuel Program"), and each of Sam's and Walmart shall have the right to implement an on-line pickup program on such Party's Tract pursuant to which customers will order grocery products, general merchandise, and other products online for pickup within a vehicular pickup area to be constructed and operated on such Tract (an "Online Pickup Program"). In connection with an Online Pickup Program, each of Sam's and Walmart shall have the right to make and construct the following improvements on such Party's Tract without the requirement of further consent or approval under the ECR: additional building improvements, designated vehicular parking spaces that may be covered by a canopy, directional signage, pavement markings, and parking lot signage.
- c. <u>Branding Updates</u>. In connection with an Online Pickup Program or other business activities such Party's Tract, each of Sam's and Walmart shall have the right to update building colors, signage, and elevations in accordance with such Party's then-current branding, which may change from time to time.
- d. <u>Sam's Maintenance and Access Area</u>. Notwithstanding the provisions of Section 6.4(2) or any other provision of the ECR, Sam's shall have the exclusive right to grade from time to time, and to maintain, the portion of the Undevelopable Areas labeled as "Sam's Maintenance and Access Area" on Exhibit A attached hereto. Sam's shall have the right to access the

Sam's Tract using the access drive located in the Sam's Maintenance and Access Area, as shown on Exhibit A. During the construction of improvements in connection with the Sam's Fuel Program, Sam's shall have a temporary construction easement over the Sam's Maintenance and Access Area for the staging of construction materials and equipment and use of such area in connection with the construction of such improvements. Following completion of such improvements, Sam's shall restore the surface of the Sam's Maintenance and Access Area and maintain such area in accordance with the requirements of the ECR as if such area was part of the Sam's Tract.

3. Miscellaneous.

- a. <u>Severability</u>. If any term, covenant or condition of this Amendment, or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this Amendment shall not be affected, and each and every remaining term, covenant or condition of this Amendment shall be valid and enforced to the fullest extent permitted by law.
- b. <u>Ratification; Conflict</u>. All terms and conditions of the ECR not amended pursuant to this Amendment are hereby ratified and confirmed and shall remain in full force and effect; provided that in the event of any inconsistency or conflict between this Amendment and the ECR, the terms of this Amendment shall control.
- c. <u>Binding Effect</u>. This Amendment shall run with the land and shall be binding upon and inure to the benefit of the respective heirs, successors, and assigns of the Parties, the other Owners, and the property subject to the ECR.
- d. <u>Headings; Counterparts</u>. The headings herein are inserted only as a matter of convenience and for reference, and in no way define, limit, or describe the scope or intent of this document nor in any way affect the provisions hereof. This Amendment may be executed in several counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same Amendment. Facsimile and email signatures shall be deemed valid and binding on all documents related to this Amendment. The Parties agree this Amendment has been jointly drafted.
- e. <u>Authority</u>. Each of the Parties represents and warrants that such Party has the authority and right to enter into this Amendment and bind such Party's property to the provisions of this Amendment without the consent, approval or joinder of any party, and, if such consent is required, such consent has been obtained. Each person executing this Amendment

- represents and warrants that such person is fully authorized and empowered to do so.
- f. <u>Entire Agreement</u>. The ECR, as modified by this Amendment, contains the entire agreement by and between the parties with respect to the subject matter hereof.

[SIGNATURES COMMENCE ON NEXT PAGE]

IN WITNESS WHEREOF, the parties have executed this Amendment the day and year first written above.

SAM'S REAL ESTATE BUSINESS TRUST

	By:
	Print Name:
	Title:
	[SEAL]
State of Arkansas))ss. County of Benton)	
without the State now qualified to commissioned, qualified and acting, wi within namedstatutory trust to execute such instrum me personally well known (or satisfact was the of Sam's Real Estate Business in his/her respective capacity to execute of said statutory trust, and further state and delivered said foregoing instrummentioned and set forth.	tary Public, (or before any officer within this State or under existing law to take acknowledgments), duly thin and for said County and State, appeared in person the (being the person authorized by said ent, stating his/her respective capacity in that behalf), to storily proven to be such person), who stated that he/she Trust, a Delaware statutory trust, and was duly authorized the foregoing instrument for and in the name and behalf and acknowledged that he/she had so signed, executed, nent for the consideration, uses, and purposes therein
day of, 20	I have hereunto set my hand and official sear this
	Notary Public My commission expires:
[SEAL]	
[signature	s continue on following page]

5

WALMART REAL ESTATE BUSINESS TRUST

	By:
	Print Name:
	Title:
	[SEAL]
without the State now qualified under commissioned, qualified and acting, within	Public, (or before any officer within this State or rexisting law to take acknowledgments), duly and for said County and State, appeared in person the (being the person authorized by said
me personally well known (or satisfactoril was the of Wal-Mart Real Estate Busine authorized in his/her respective capacity to and behalf of said statutory trust, and further	(being the person authorized by said stating his/her respective capacity in that behalf), to by proven to be such person), who stated that he/she ass Trust, a Delaware statutory trust, and was duly execute the foregoing instrument for and in the name er stated and acknowledged that he/she had so signed, astrument for the consideration, uses, and purposes
IN TESTIMONY WHEREOF, I haday of	eve hereunto set my hand and official seal this
	Notary Public My commission expires:
[SEAL]	

[signatures continue on following page]

MENARD, INC.

	By:
	Print Name:
	Title:
	[SEAL]
STATE OF WISCONSIN)
COUNTY OF)SS)
The foregoing instrument was a by	cknowledged before me this, 20as [title] of MENARD, INC., a
	Notary Public My commission expires:
(seal)	
[signatures	continue on following page]

MOUNT PLEASANT HOLDINGS, LLC

	By:
	Print Name:
	Title:
	[SEAL]
STATE OF	_)
COUNTY OF)SS _)
The foregoing instrument was acknowledged	nowledged before me on, 20
	Notary Public My commission expires:
(seal)	
[signatures con	ntinue on following page]

MEMBER'S FIRST CREDIT UNION

	By:
	Print Name:
	Title:
	[SEAL]
STATE OF WISCONSIN)
COUNTY OF)SS)
The foregoing instrument was ack by, as CREDIT UNION.	nowledged before me this, 20
	Notary Public My commission expires:
(seal) [signatures co	ontinue on following page]

KOHL'S MICHIGAN, L.P.

	By:	Kohl's Department Stores, Inc., its sole general partner
		By:
		Print Name:
		Title:
	[SEA]	L]
STATE OF WISCONSIN)	
COUNTY OF)SS _)	
The foregoing instrument was acknowly, as, as, as, solution the solution of the solution	owledg	ted before me this, 20
		Notary Public My commission expires:

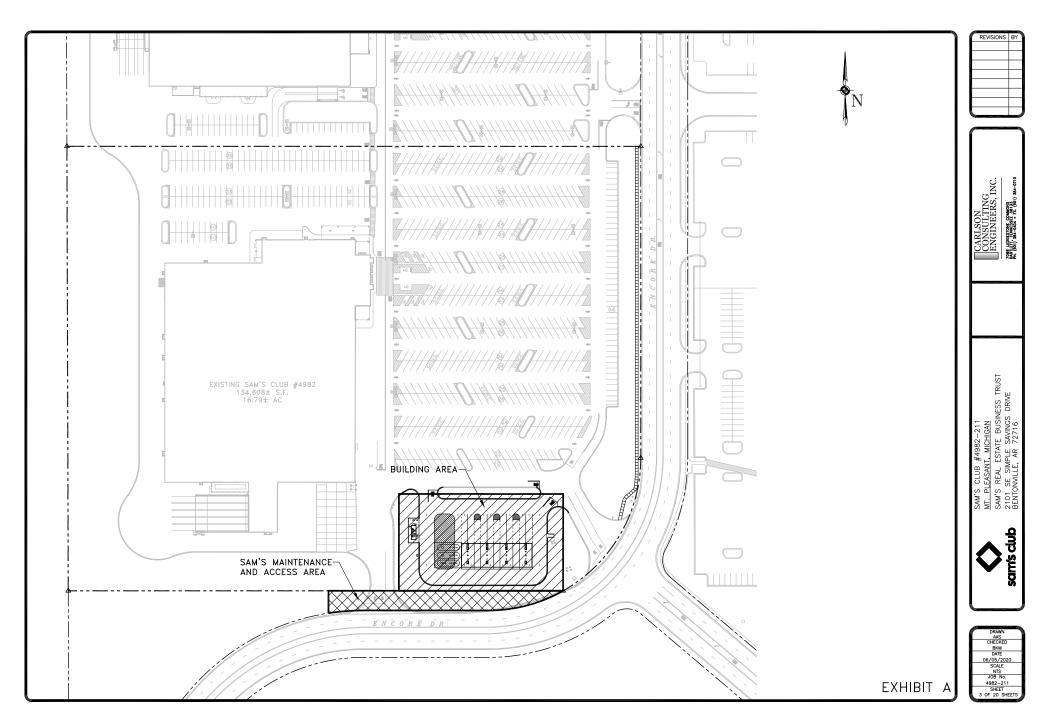
10

(seal)

Exhibit A

Supplement to Site Plan

[See Attached]





December 11, 2020

Peter Gallinat, Zoning Administrator Union Township 2010 South Lincoln Road Mt Pleasant, Michigan 48858

Re: Sam's Club Fueling Station #4982-211; 4850 Encore Drive

Site Plan Review Comment Responses

Mr. Gallinat,

Please see below our responses to the comments received as part of the initial review of the above referenced project. Responses have only been provided for comments with an action to Disapprove. However, if additional information is required, feel free to call or email with any questions.

Comment 1 – Outdoor Lighting

Response:

The canopy lights have been reduced to the specified lighting levels. Additionally, site lighting has been incorporated to provide adequate lighting to the fueling station area beyond the canopy area. The proposed site lights will be mounted at 22 feet above grade. Refer to the revised Site Development Plans as well as the light fixture cut sheets included with this submittal for additional information.

Comment 2 – Setbacks

Response:

Requested setbacks and roadway information has been added to the Site Plan. Refer to the Topographical Survey for existing easements within the project area.

Comment 3 - Parking

Response:

New parking has been incorporated into the proposed fueling station to address this comment. As such, the parking calculations table has been revised to now only include the fueling station parking requirements since the existing Sam's Club parking stalls and ratio will not be impacted by this project.

Refer to the Fuel Station Lane Striping and Pavement Markings Detail on Sheet 21 of 22 for dimensions of proposed fuel service and stacking areas. As shown on this detail, 40' of stacking, or two vehicle lengths, is provided in advance of each set of refueling positions.

Comment 4 - Parking

Response:

Plans have been revised to address all comments regarding sidewalks.

Comment 5 – Landscaping and Traffic Safety at the Intersection

Response:

The additional evergreen tree is shown to be removed in the revised plans. Additionally, new tree plantings to replace the removed trees have been added to the Site Plan.

Comment 6 - Parking

Response:

Based upon discussions internally with our team, including Sam's in-house and outside legal counsel, we do not feel that the requested boundary adjustment is necessary. This is primarily due to the project being located within an area that is subject to an ECR agreement. As such, a modification to the ECR, which will require approval of the adjacent landowner, is required prior to commencing construction of the fueling station. Due to the concerns with Sam's Club currently accessing and maintaining the adjacent property, language has been incorporated into the draft version of the ECR amendment that will specifically address these concerns. Once all applicable parties agree to the amendment language, it will be executed and recorded with the county thus providing the necessary specific right for this area to be used and maintained.

I have included the draft ECR Amendment language and exhibits in this submittal package for your review. The applicable language is highlighted for easy reference. However, please be aware that it is in draft form and subject to change as it is reviewed by the applicable parties.

Comment 7 – Signs

Response:

Acknowledged. No response to comment necessary.

Comment 8 – State Agency Requirements and Approvals

Response:

The state review of the proposed USTs is ongoing, but we will gladly provide you with documentation of approval once received.

Comment 9 – Outside Agency Approvals

Response

Subsequent to the comment letter being issued, we have received approvals from the Isabella County Road Commission and the Isabella County Drain Commission. The applicable approval letter and email discussion has been included with this resubmittal.

Thank You,

Keith Moore, PE

Carlson Consulting Engineers, Inc.

Keith Moore

From: Keith Moore

Sent: Monday, August 3, 2020 11:03 AM

To: Pat Gaffney

Cc: '(pgallinat@uniontownshipmi.com)'

Subject: RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Follow Up Flag: Follow up Flag Status: Flagged

Thanks Pat. Per our discussion, I understand that the minor grading within the ROW will not require a permit. However, if the contractor needs to close a lane while constructing the sidewalk such as for the concrete trucks, then they will need to obtain a permit for a lane closure. I'll add a note to the contractor on the plans stating that they must obtain a permit if any lane closures are required. Thank you for your help.

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

Ph. 901.384.0404 (Ext 108) | Fax 901.384.0710 | www.CarlsonConsulting.net

From: Pat Gaffney <PGaffney@isabellaroads.com>

Sent: Monday, August 3, 2020 10:53 AM

To: Keith Moore < Keith Moore@carlsonconsulting.net>

Subject: RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Keith,

It appears that the sidewalk is going to be outside of the ROW. Only minor grading between the sidewalk and back of curb would need to be done. Attached is the permit form for working in the ROW.

Any construction signing for a lane closure shall be per the MMUTCD. MDOT Traffic standards.

Patrick J. Gaffney, PE
Engineer Superintendent
Isabella CRC
989-773-7131 x115
989-772-2371 fax

pgaffney@isabellaroads.com

From: Keith Moore <KeithMoore@carlsonconsulting.net>

Sent: Monday, August 3, 2020 10:09 AM

To: Pat Gaffney < <u>PGaffney@isabellaroads.com</u>>

Subject: RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Pat,

Following up again. Best I can tell, there isn't any information on the Isabella Roads website about permitting work within the ROW. Please let me know what all you need from me to submit for review. Thank you.

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

Ph. 901.384.0404 (Ext 108) | Fax 901.384.0710 | www.CarlsonConsulting.net

From: Keith Moore

Sent: Monday, July 27, 2020 1:37 PM

To: 'pgaffney@isabellaroads.com' <<u>pgaffney@isabellaroads.com</u>> **Subject:** RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Pat,

Touching base on the below issue. Attached is a more up-to-date Site Plan and a Grading Plan for the sidewalk extension for your use. Let me know what else you need from me to get the permit process started. Thank you!

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

Ph. 901.384.0404 (Ext 108) | Fax 901.384.0710 | www.CarlsonConsulting.net

From: Keith Moore

Sent: Wednesday, July 22, 2020 9:35 AM

To: 'pgaffney@isabellaroads.com' <<u>pgaffney@isabellaroads.com</u>> **Subject:** RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Pat,

Per more recent conversations with Township staff, it looks like we're going to have to add a sidewalk in along our site's Encore Drive frontage. Attached is our updated Site Plan that shows the new sidewalk. I assume we'll now need a permit from you since we will be working within the ROW. I wanted to go ahead and start coordinating that with you so if you could, please give me a call or shoot me an email with any applicable information on the sidewalk design that we'll need to incorporate and also info on the permitting process that will now be required. Thanks in advance.

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

Ph. 901.384.0404 (Ext 108) | Fax 901.384.0710 | www.CarlsonConsulting.net

From: Keith Moore

Sent: Wednesday, June 24, 2020 1:51 PM

To: 'pgaffney@isabellaroads.com' <<u>pgaffney@isabellaroads.com</u>> **Subject:** RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Pat,

As discussed, we'll forward you an electronic set of our plans once we have them ready to submit to the Township. As of right now, there are no plans to perform any work within the ROW. It's my understanding that assuming that doesn't change, no permit for the Road Commission will be required. However, if sidewalks or any other improvements end up being required within the ROW, a permit will be required and we can coordinate the permit requirements at that time.

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

From: Keith Moore

Sent: Wednesday, June 24, 2020 10:05 AM

To: 'pgaffney@isabellaroads.com' <<u>pgaffney@isabellaroads.com</u>> **Subject:** RE: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Patrick,

Wanted to reach out again to see if there's any review/permitting required with your office for this project. Please let me know your thoughts. Thanks.

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

Ph. 901.384.0404 (Ext 108) | Fax 901.384.0710 | www.CarlsonConsulting.net

From: Keith Moore

Sent: Friday, June 5, 2020 9:06 AM **To:** pgaffney@isabellaroads.com

Subject: #4982-211 Mt Pleasant - Sam's Fuel Station - ICRC Review

Patrick,

I left you a voicemail yesterday, but wanted to follow up via email as well. We're preparing plans on behalf of Sam's for constructing a fueling station in the grassed area south of their existing parking area. Attached is our Overall Site Plan for your reference. The plan does not include any modifications to the existing entrance drives and we do not anticipate any work within the ROW to be required. As such, I assume no permit will be required from your office, but the Township is requesting that I obtain confirmation of this before submitting for their review. Can you please review the attached plan and let me know if a permit or more in-depth review by your office will be required? Feel free to reach out if you have any questions. Thank you!

Keith Moore, PE

Lead Project Manager | Carlson Consulting Engineers, Inc

7068 Ledgestone Commons | Bartlett, TN 38133

Ph. 901.384.0404 (Ext 108) | Fax 901.384.0710 | www.CarlsonConsulting.net

Sam Ber Engineering

Bruce E. Rohrer, P.E. 1216 E. Gaylord Street Mt. Pleasant, Michigan 48858 (989) 330-2150

August 18, 2020

Peter Galliant Charter Township of Union Planner 2010 S. Lincoln Road Mt. Pleasant, MI 48858

RE: Storm Water Management Plan for Sam's Club Fueling Station

Dear Mr. Galliant:

The Sam's Real Estate Business Trust, for Sam's Club of Mt. Pleasant, MI has asked for a storm water plan review for a fueling station.

The Sam's Club Fueling Station and all other businesses on Encore Blvd., located in the SW ¼ of Section 26, Union Township, were incorporated into one overall stormwater design plan. The design calculations were based on all sites being developed. Therefore, the proposed fueling station for Sam's Club, drawing dated 07/22/2020, sheet 15 of 20, falls within the current overall storm water design and is consistent with the Union Township Storm Water Ordinance.

If you have any questions or need any further information, please feel free to contact me.

Sincerely,

Bruce E. Rohrer, P.E.

Brue E Robrer

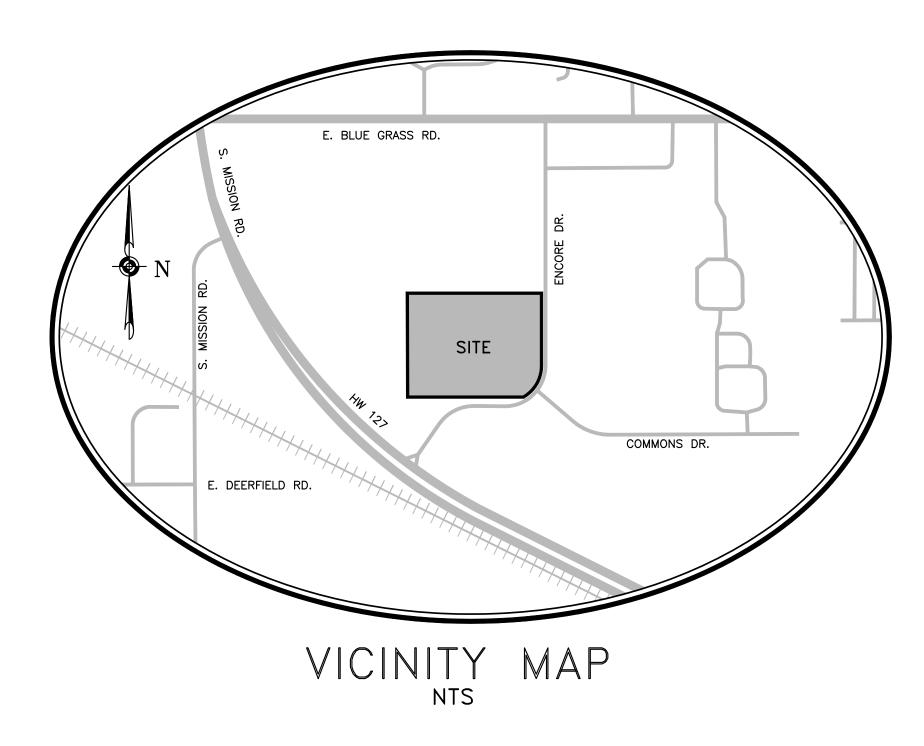
Consulting Engineer

Isabella County

BER/taw

cc: Keith Moore, PE: Carlson Consulting Engineers, INC; keithmoore@carlsonconsulting.net

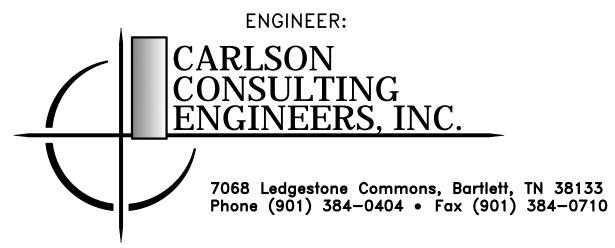
SITE DEVELOPMENT PLANS SAM'S FUELING STATION #4982-211 4850 ENCORE DRIVE MT PLEASANT, MI 48858



DEVELOPED BY:



SAM'S REAL ESTATE BUSINESS TRUST 2101 SIMPLE SAVINGS DRIVE BENTONVILLE, AR 72716 (479) 273-4000



THE SITEWORK FOR THE SAM'S CLUB PORTION OF THIS PROJECT SHALL MEET OR EXCEED THE "SITE SPECIFIC SPECIFICATIONS."

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO CONTRACT COMPLETION AND THE FINAL CONNECTION OF SERVICES.

CONTRACTOR SHALL CONTACT 811 FOR LOCATION OF ALL UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

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PROJECT CLOSEOUT REQUIREMENTS

CONTRACTOR'S SCOPE SHALL INCLUDE PREPARING/PROVIDING ALL AHJ REQUIRED PROJECT CLOSEOUT DOCUMENTATION SUCH AS AS-BUILT SURVEYS, FINAL TESTING REPORTS, INSPECTION LOGS, ETC. ALL ITEMS SHALL BE PREPARED IN ACCORDANCE WITH APPLICABLE AHJ REQUIREMENTS. BY SUBMITTING A BASE BID, CONTRACTOR ACKNOWLEDGES THAT

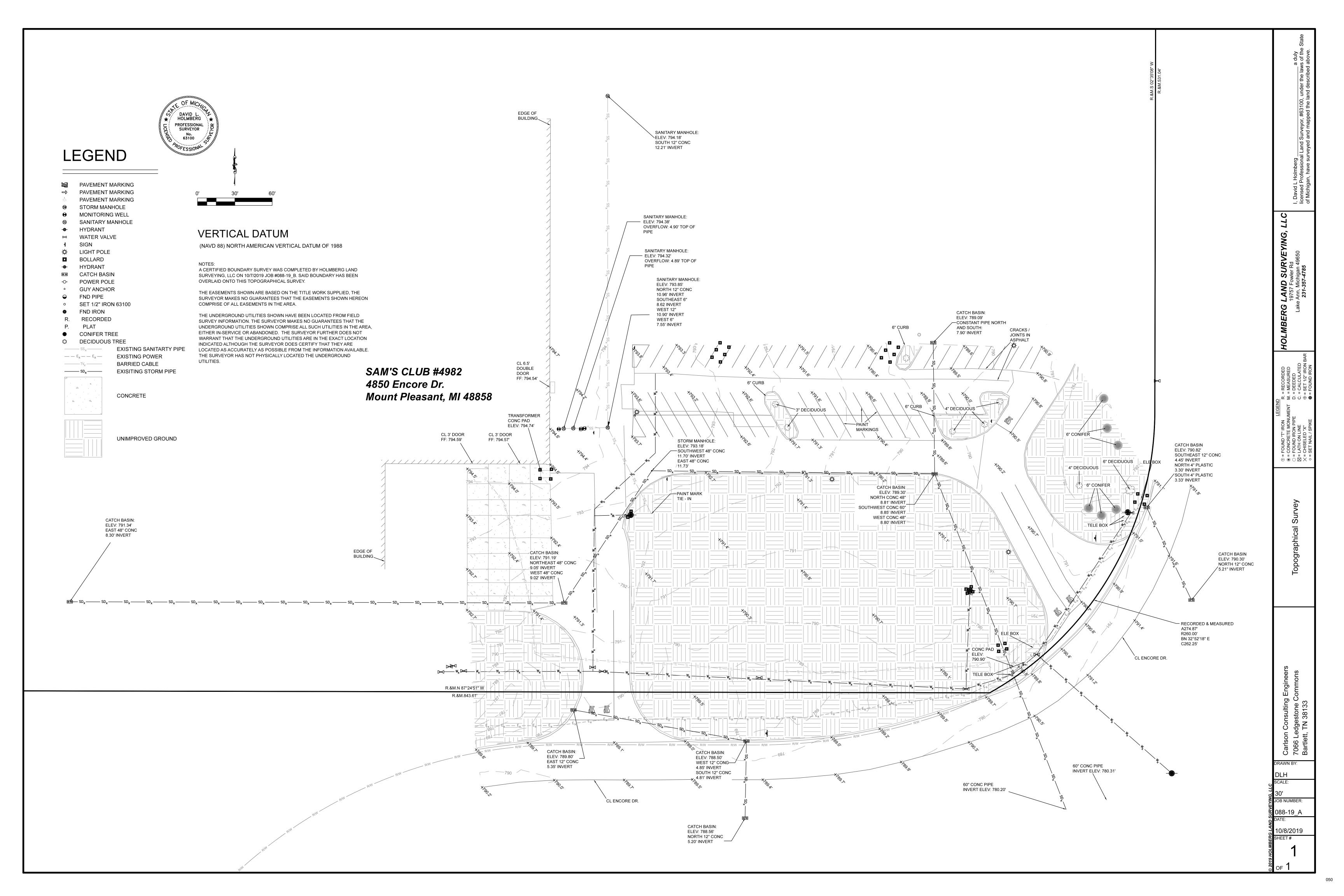
ADEQUATE FUNDS HAVE BEEN INCLUDED TO ADDRESS THIS

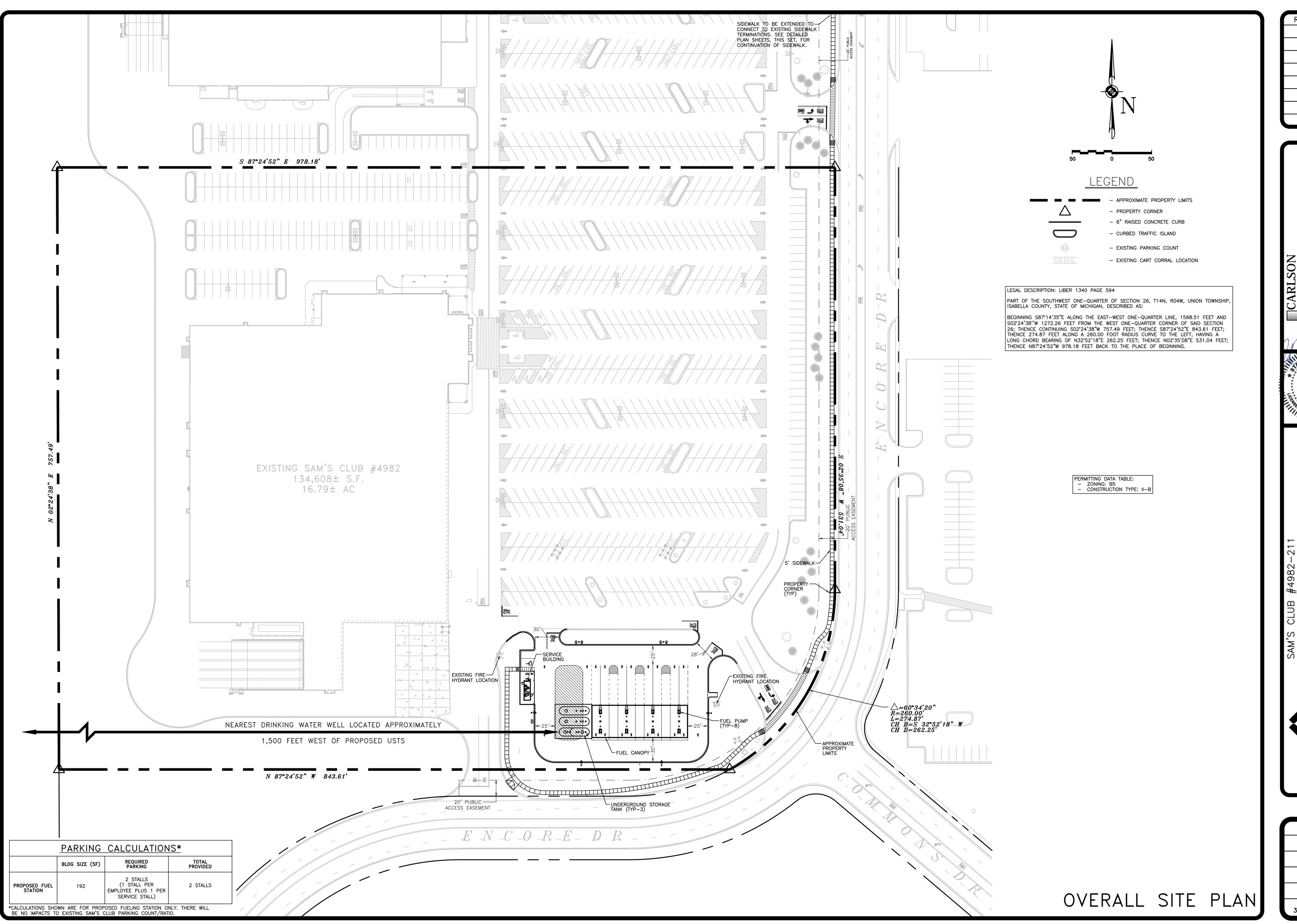
REQUIREMENT.

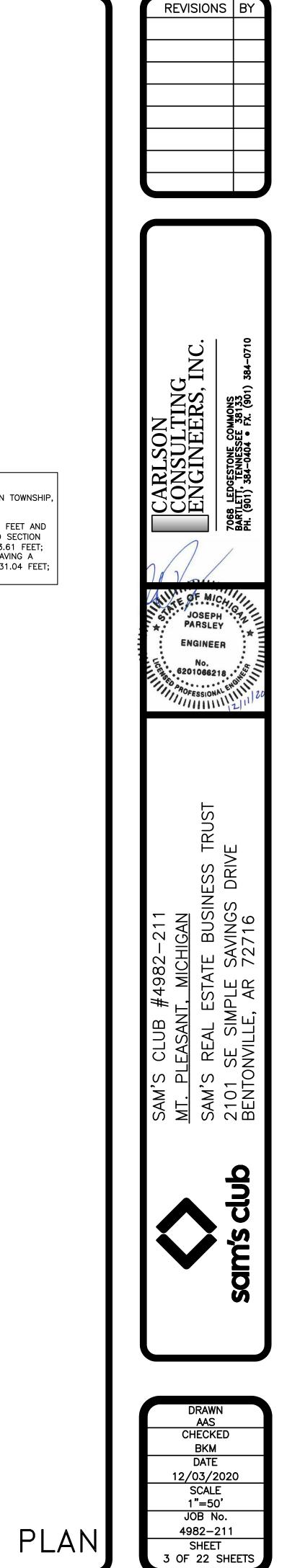
THE SAM'S CLUB WILL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THIS PROJECT. CONSTRUCTION SEQUENCING AND CLOSE COORDINATION WITH THE WALMART CONSTRUCTION MANAGER AND SAM'S CLUB MANAGER ARE REQUIRED TO HELP MINIMIZE DISRUPTIONS TO THE SAM'S CLUB NORMAL OPERATIONS (INCLUDING DELIVERIES, TMA SERVICES, OUTDOOR SALES AND STORAGE, ETC.) AND THEIR CUSTOMERS AND ASSOCIATES. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT HE/SHE HAS EXAMINED THE PROJECT TO THE DEGREE NECESSARY TO

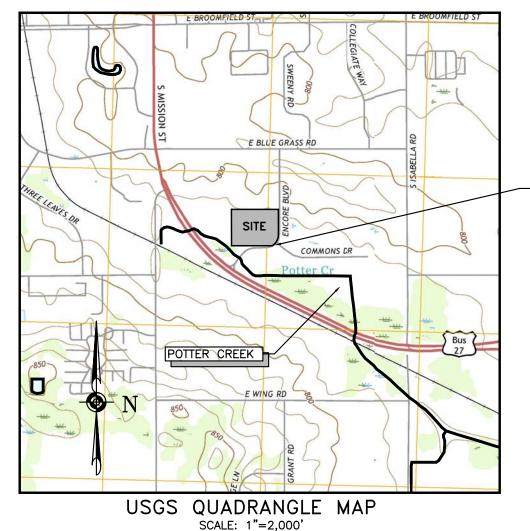
CONSTRUCTION PHASING NOTICE

ACKNOWLEDGES THAT HE/SHE HAS EXAMINED THE PROJECT TO THE DEGREE NECESSARY TO PROVIDE A LUMP SUM PRICE FOR THE WORK AND THAT HE/SHE HAS INCLUDED NECESSARY FUNDS FOR ANY ADDITIONAL TEMPORARY PROTECTION, TRAFFIC CONTROL, LOW IMPACT CONSTRUCTION EQUIPMENT, AND/OR WORK REQUIRED DURING NON-PEAK BUSINESS HOURS THAT MAY BE REQUIRED TO MINIMIZE DISRUPTIONS AND/OR INCONVENIENCE TO THE SAM'S CLUB OPERATIONS AND ITS CUSTOMERS AND ASSOCIATES.

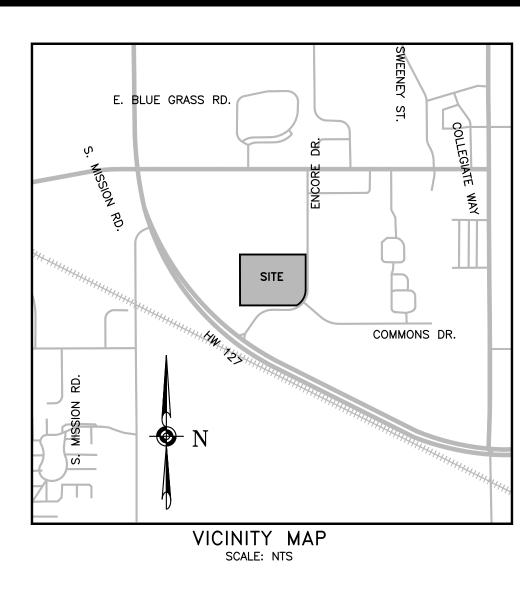








STORMWATER OUTFLOWS I & II STORMWATER FROM THE SITE DRAINS INTO A REGIONAL DETENTION SYSTEM LOCATED SOUTHEAST OF THE SITE. THIS SYSTEM DISCHARGES INTO POTTER CREEK, THE ULTIMATE RECEIVING WATERS. POTTER CREEK IS LOCATED APPROXIMATELY 650 FEET SOUTH OF THE SITE.



GENERAL NOTES

- A. PROJECT OFFICE WALL SWPPP POSTINGS: THE FOLLOWING ITEMS MUST BE POSTED TOGETHER IN A SINGLE, ORGANIZED LOCATION ON A WALL INSIDE THE PROJECT OFFICE: 1) SWPPP SITE MAPS (ALL PHASES); 2) SWPPP DETAIL SHEETS; 3) MAP SHOWING LOCATION OF OFFSITE IMPORT OR EXPORT FACILITY; 4) REVISIONS TO DETAILS, SITE MAPS, OR SWPPP-RELATED RFIS; 5) SITE SWPPP BINDER; 6) SWCT PLACARD; 7) CURRENT OWNER STORMWATER COMPLIANCE TRAINING CERTIFICATES FOR SUPERINTENDENT(S) AND COMPLIANCE OFFICER(S); AND 8) CERTIFICATIONS AND/OR TRAINING CERTIFICATES REQUIRED TO PERFORM INSPECTIONS BY THE
- B. PERMITTED PROJECT AREA: FOR PURPOSES OF THIS SWPPP AND ASSOCIATED STORMWATER PERMIT, 'PERMITTED PROJECT AREA' IS DEFINED AS ANY AND ALL AREAS WITHIN THE PROJECT LIMITS OF DISTURBANCE, AS SHOWN ON THE SWPPP SITE MAPS AND IDENTIFIED IN THE NOTICE OF INTENT TO THE AGENCY. ALL GROUND-DISTURBING AND CONSTRUCTION-RELATED ACTIVITIES (MATERIAL STORAGE, DUMPSTERS, PARKING AREAS, PROJECT OFFICE TRAILER, ETC.) MUST BE INCLUDED WITHIN THE PERMITTED PROJECT AREA LIMITS OF

OFFSITE AREA(S) TO BE DISTURBED AS PART OF THIS PROJECT (NOT ON OWNER PROPERTY):

APPLICABLE CONSTRUCTION GENERAL PERMIT OR AUTHORITY HAVING JURISDICTION.

WORK, CONTAINED WITHIN THE PERMITTED LIMITS OF DISTURBANCE, WHICH EXTENDS BEYOND THE OWNER'S PROPERTY BOUNDARY INCLUDES UTILITY CONNECTIONS AND OFF SITE GRADING.

ALL AREAS OUTSIDE THE PERMITTED PROJECT AREA (I.E., LIMITS OF DISTURBANCE) ACQUIRED FOR USE BY THE GC OR A SUBCONTRACTOR OF THE GC (BORROW SOURCES, DISPOSAL AREAS, ETC.) MUST BE MANAGED IN ACCORDANCE WITH APPENDIX E - TAB 21 OF THE 02370 SPECIFICATION. THE CONTRACTOR IS REQUIRED TO LOCATE OFFICE TRAILERS AND MATERIAL STORAGE AREAS FOR THE PROJECT WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR MAY REQUEST USE OF OFF-SITE LOCATIONS FOR OFFICE TRAILERS OR NON-ERODIBLE MATERIAL STORAGE; HOWEVER, APPROVAL MUST BE OBTAINED FROM THE CONSTRUCTION MANAGER. THE CEC AND THE WAL-MART SWCT PRIOR TO THEIR USE. REQUESTS WILL BE REVIEWED ON A CASE BY CASE BASIS AND IF APPROVED, LIMITATIONS ON USE WILL BE PROVIDED BY THE CEC.

- THERE ARE NO SPECIAL PROJECTS, LOCATED BEYOND THE OWNER PERMITTED PROJECT AREA. REQUIRING INSPECTION AND MAINTENANCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT.
- THE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES PROHIBITS MOST NON-STORMWATER DISCHARGES DURING THE CONSTRUCTION PHASE. ALLOWABLE NON-STORMWATER DISCHARGES THAT OCCUR DURING CONSTRUCTION ON THIS PROJECT, ARE INCLUDED IN RULE 2161A OF THE PERMIT BY RULE.

BEST MANAGEMENT PRACTICES (BMPS) MUST BE IMPLEMENTED FOR THE GENERAL PERMIT ALLOWABLE DISCHARGES FOR THE DURATION OF THE PERMIT. THE TECHNIQUES DESCRIBED IN THIS SWPPP FOCUS ON PROVIDING CONTROL OF POLLUTANT DISCHARGES WITH PRACTICAL APPROACHES THAT UTILIZE READILY AVAILABLE EXPERTISE, MATERIAL, AND EQUIPMENT.

NON-STORMWATER COMPONENTS OF SITE DISCHARGES MUST BE UNCONTAMINATED NON-TURBID WATER. ALL NON-STORMWATER DISCHARGES MUST BE ROUTED TO A STORMWATER CONTROL PRIOR TO DISCHARGE. WATER USED FOR CONSTRUCTION WHICH DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE STATE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE; IT CAN BE RETAINED IN RETENTION PONDS UNTIL IT INFILTRATES OR EVAPORATES. WHEN NON-STORMWATER IS DISCHARGED FROM THE SITE, IT MUST BE DONE IN A MANNER SUCH THAT IT DOES NOT CAUSE EROSION OF THE SOIL DURING DISCHARGE.

PROCESS WATER SUCH AS POWER WASHING WATER AND CONCRETE CUTTING EFFLUENT, AMONG OTHERS,

MUST BE COLLECTED FOR TREATMENT AND DISPOSAL. IT MUST NOT BE FLUSHED INTO THE SITE STORM DRAIN SYSTEM OR DISCHARGED OFF-SITE. ALL DISCHARGE POINTS MUST BE INSPECTED TO DETERMINE WHETHER EROSION AND SEDIMENTATION

CONTROL MEASURES ARE EFFECTIVE IN PREVENTING DISCHARGE OF SEDIMENT FROM THE SITE AND/OR IMPACTS TO RECEIVING WATERS. SEDIMENT ACCUMULATION DOWNGRADIENT OF DISCHARGE LOCATIONS SHALL BE REPORTED AS A SEDIMENT DISCHARGE (SEE APPENDIX E - TAB 14, SEDIMENT RELEASES, OF THE 02370 SPECIFICATION) AND THE POTENTIAL UPSTREAM CAUSE SHALL BE INVESTIGATED TO PREVENT FUTURE OCCURRENCE. CONTACT THE CM, CEC AND SWCT TO DETERMINE APPROPRIATE ACTION FOR CLEANUP OF DISCHARGED SEDIMENT THAT MAY BE OUTSIDE OF THE LIMITS OF DISTURBANCE. SEE SAMPLING AND MONITORING OF EFFLUENT PLAN (IF APPLICABLE).

EROSION AND SEDIMENT CONTROL NOTES

- A. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE, CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- C. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- D. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH SWPPP IMPLEMENTATION SEQUENCE, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- E. ALL DENUDED/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING AND/OR BLANKETS. COMPLETION MUST BE ACHIEVED WITHIN 14 DAYS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND COMPLETED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR PLANTING
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. TEMPORARY AND/OR PERMANENT STABILIZATION SHALL BE APPLIED PER REQUIREMENTS IN THESE E&S CONTROL NOTES.
- H. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE OFF-SITE.
- ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE SITE PLANS.
- STORM WATER POLLUTANT CONTROL MEASURES INSTALLED DURING CONSTRUCTION, THAT WILL ALSO PROVIDE STORM WATER MANAGEMENT AFTER CONSTRUCTION, ARE INCLUDED IN THE CONTRACT DOCUMENTS. THE SITE-SPECIFIC POST CONSTRUCTION STORM WATER OPERATION AND MAINTENANCE (0&M) MANUAL IS INCLUDED IN THE CONTRACT DOCUMENTS.
- K. ALL PERMANENT CONTROLS AND SYSTEMS MUST BE INSTALLED AND FUNCTIONING AS DESIGNED AND FREE OF ACCUMULATED SEDIMENT AND DEBRIS DURING FINAL PROJECT INSPECTION AND APPROVAL.

HAZARDOUS MATERIAL MANAGEMENT & SPILL REPORTING

ANY HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIAL THAT IS BROUGHT ONTO THE CONSTRUCTION SITE SHALL BE HANDLED PROPERLY TO REDUCE THE POTENTIAL FOR STORMWATER POLLUTION. ALL MATERIALS USED ON THIS CONSTRUCTION SITE SHALL BE PROPERLY STORED, HANDLED, DISPENSED AND DISPOSED OF FOLLOWING ALL APPLICABLE LABEL DIRECTIONS. FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE STORED AND HANDLED ACCORDING TO APPLICABLE REGULATIONS. AND. AT A MINIMUM, ACCORDING TO 29 CFR 1926.152. ONLY APPROVED CONTAINERS AND PORTABLE TANKS SHALL BE USED FOR STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.

MATERIAL SAFETY DATA SHEETS (MSDS) INFORMATION SHALL BE KEPT ON SITE FOR ANY AND ALL APPLICABLE MATERIALS. HOWEVER, MSDS MAY ALSO BE ACCESSED VIA TELEPHONE OR OTHER ELECTRONIC MEANS OR APPARATUS.

IN THE EVENT OF AN ACCIDENTAL SPILL, IMMEDIATE ACTION SHALL BE TAKEN BY THE GC TO CONTAIN AND REMOVE THE SPILLED MATERIAL. THE SPILL SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. AS REQUIRED UNDER THE PROVISIONS OF THE CLEAN WATER ACT, ANY SPILL OR DISCHARGE ENTERING WATERS OF THE UNITED STATES SHALL BE PROPERLY REPORTED.

ALL HAZARDOUS MATERIALS, INCLUDING CONTAMINATED SOIL AND LIQUID CONCRETE WASTE, SHALL BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY FEDERAL, STATE AND LOCAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS.

THE GC SHALL PREPARE A WRITTEN RECORD OF ANY SPILL AND ASSOCIATED CLEAN-UP ACTIVITIES OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF 1 GALLON OR REPORTABLE QUANTITIES, WHICHEVER IS LESS, ON THE DAY OF THE SPILL. THE GC SHALL PROVIDE NOTICE TO OWNER, VIA THE ONLINE CRITICAL INCIDENT REPORT, IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL. SPILL REPORT FORMS ARE AVAILABLE IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER. COPIES OF SPILL CRITICAL INCIDENT REPORTS SHALL BE PRINTED AND MAINTAINED IN THE

ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA OR THE STATE OR LOCAL AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) AND THE MICHIGAN EGLE POLLUTUION EMERGENCY ALERTING SYSTEM (1-800-292-4706)

THE STATE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS IS: DISCHARGES THAT VIOLATE WATER QUALITY STANDARDS, OR CAUSE A FILM OR SHEEN UPON OR DISCOLORATION OF THE SURFACE OF THE WATER OR ADJORNING SHORELINES, OR CAUSE A SLUDGE OR EMULSION TO BE DEPOSITED BENEATH THE SURFACE OF THE WATER OR UPON ADJOINING SHORELINES.

THE REPORTABLE QUANTITY FOR HAZARDOUS MATERIALS CAN BE FOUND IN 40 CFR 302. https://www.epa.gov/epcra/consolidated-list-lists-under-epcracerclacaa-ss112r-june-2019-version

TO MINIMIZE THE POTENTIAL FOR A SPILL OF PETROLEUM PRODUCT OR HAZARDOUS MATERIALS TO COME IN CONTACT WITH STORMWATER, THE FOLLOWING STEPS SHALL BE IMPLEMENTED:

- 1) ALL MATERIALS WITH HAZARDOUS PROPERTIES, SUCH AS PESTICIDES, PETROLEUM PRODUCTS. FERTILIZERS, SOAPS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, BASES, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE, CURING COMPOUNDS AND ADDITIVES. ETC., SHALL BE STORED IN A SECURE LOCATION, UNDER COVER AND IN APPROPRIATE, TIGHTLY SEALED CONTAINERS WHEN NOT IN USE.
- 2) THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.
- 3) A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID, BASE, NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) SHALL BE PROVIDED AT THE CONSTRUCTION SITE AND ITS LOCATION(S) SHALL BE IDENTIFIED WITH LEGIBLE SIGNAGE AND SHOWN ON SITE MAPS. a. THE SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF

EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE

- SITE AT ANY GIVEN TIME. b. CONTENTS SHALL BE INSPECTED DAILY DURING THE DAILY STORMWATER INSPECTION.
- 4) ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE.
- 5) ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT
- 6) THE DISPOSAL OF EXCESS OR USED PRODUCTS SHALL BE IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND REGULATIONS.

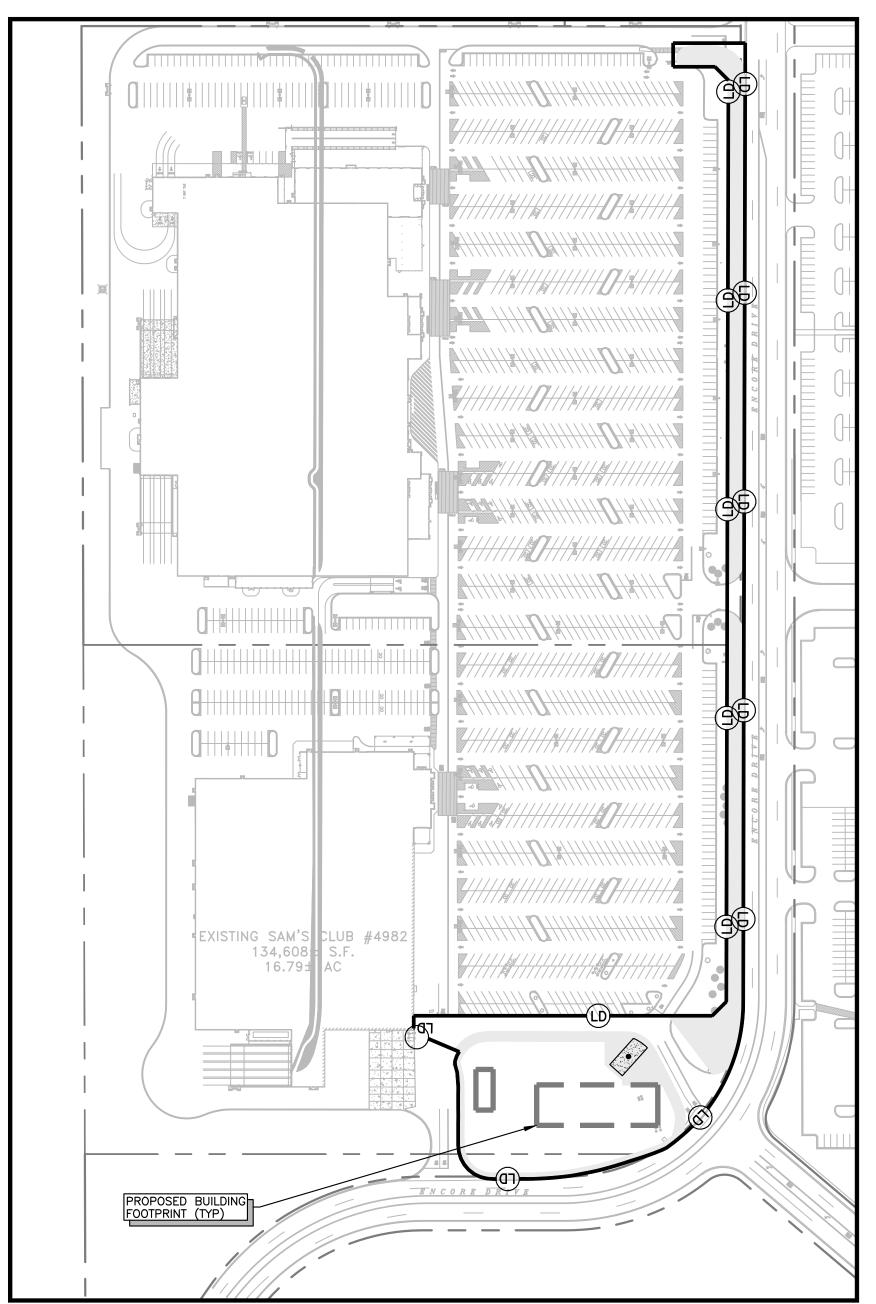




SW-1EROSION AND SEDIMENTATION CONTROL NOTES

JOSEPH PARSLEY ENGINEER 6201066218 MILLIAM 382-21, MICHIGAN TATE BUSINE SAVINGS S CI PLEA 'S RE SAM' MT. SAM' 2101 BENT

> CHECKED BKM DATE 12/03/2020 SCALE N.T.S. JOB No. 4982-211 SHEET 4 OF 22 SHEETS



PHASE I LIMITS OF WORK
N.T.S.

SWPPP IMPLEMENTATION SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE AREAS/CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ALL AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

NOTE: DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED. ACTIVITIES ARE PRESENTED IN THE ORDER OR SEQUENCE IN WHICH THEY ARE REQUIRED TO BE

1. INSTALL THE SWPPP INFORMATION SIGN AND POST REQUIRED DOCUMENTS NEAR THE PLANNED CONSTRUCTION EXIT, AND WITHIN EASY ACCESS TO THE GENERAL PUBLIC WITHOUT ENTERING THE

- 2. STAKE/FLAG THE LOD (WHERE STAKING IS NOT POSSIBLE/PRACTICAL, THE LOD MUST BE CONSPICUOUSLY, AND PROMINENTLY, MARKED TO DENOTE THE BOUNDARY). LOD MUST REMAIN CONSPICUOUSLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT.
- INSTALL TRAFFIC CONTROL DEVICES AS SHOWN ON THE DEMOLITION AND TRAFFIC CONTROL PLAN. 4. INSTALL PERIMETER SEDIMENT CONTROL BMPS AND INLET PROTECTION DEVICES IN THE VICINITY OF, AND DOWN GRADIENT FROM, THE LOCATION OF THE PLANNED CONSTRUCTION EXIT, CONSTRUCTION OFFICE TRAILER, AND TEMPORARY PARKING AND STORAGE AREAS. CLEAR ONLY THE MINIMUM AREA ABSOLUTELY NECESSARY TO INSTALL THESE PERIMETER CONTROL BMPS AND INLET
- 5. INSTALL CONSTRUCTION EXIT WITH SEDIMENT TRAP, AND SET THE PROJECT OFFICE TRAILER.
 6. INSTALL REMAINING PERIMETER SEDIMENT CONTROL BMPS, AS SHOWN ON THE SITE MAPS AND AS CONSTRUCTION PROGRESS DICTATES. CLEAR ONLY THE MINIMUM AREA NECESSARY TO INSTALL PERIMETER CONTROL BMPS. SILT FENCE 1 (SF1) SHALL BE INSTALLED PRIOR TO MOVING TO NEXT STEP.
- 7. PREPARE TEMPORARY PARKING AND STORAGE AREA.

 8. HALT ALL ACTIVITIES.

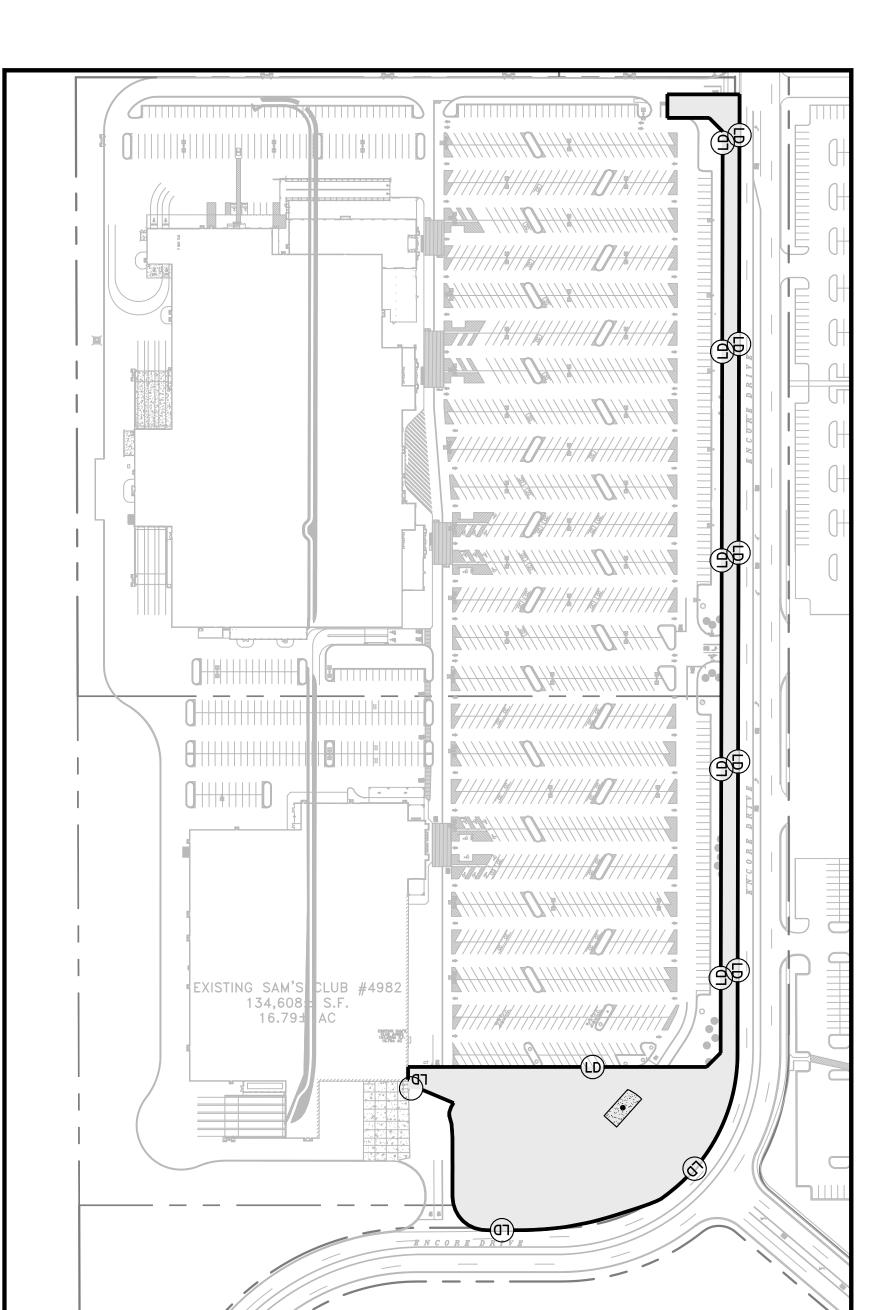
MAY ONLY OCCUR AFTER BMPS CAN BE CERTIFIED.

CONTACT THE CEC TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. BMP CERTIFICATION MUST OCCUR BEFORE STORMWATER PRE-CONSTRUCTION MEETING. (THIS SHALL BE SCHEDULED IN ADVANCE IN ANTICIPATION OF THE EXPECTED DATE WHEN THE ABOVE SEQUENCE ITEMS WILL BE COMPLETED.)

ALL EXCEPTIONS NOTED ON THE BMP CERTIFICATION FORM MUST BE ADDED AS DEFICIENCIES WITHIN THE BMP CERTIFICATION FORM AND RESOLVED WITHIN 24-HOURS. BMPS MUST NOT BE CERTIFIED IF ONE OR MORE OF THE EXCEPTIONS WILL NOT BE RESOLVED WITHIN 24-HOURS OF THE BMP CERTIFICATION BY THE CEC. IF THE CEC IS UNABLE TO CERTIFY THAT SITE CONDITIONS ARE PER PLANS AND SPECIFICATIONS, THE CERTIFICATION OF BMPS MUST BE RESCHEDULED. THE STORMWATER PRE-CONSTRUCTION MEETING

GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT THE STORMWATER PRE—CONSTRUCTION MEETING WITH THE CEC, OWNER'S CONSTRUCTION MANAGER, AGENCY(IES) AND SUBCONTRACTORS BEFORE

DAILY STORMWATER INSPECTION REPORTS IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER MUST START ON THE NEXT BUSINESS DAY AFTER THE SITE BMPS & PRECONSTRUCTION MEETING CERTIFICATION IS SIGNED/CERTIFIED BY THE CEC.



PHASE II LIMITS OF WORK N.T.S.

N.T.S.

LEGEND

 LIMITS OF DISTURBANCE LIMITS OF WORK

LIMITS OF DISTURBANCE CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.

NOTE TO GENERAL CONTRACTOR PRIOR TO CONSTRUCTION, GC MUST CLEARLY DELINEATE AND MARK AREAS IDENTIFIED IN THE SWPPP OR IN THE FIELD, TO BE PROTECTED (SUCH AS, NATURAL BUFFERS, TREES, HABITATS OF ENDANGERED/ THREATENÉD SPECIES, HISTORÍC PROPERTIES, ETC.).

CAUTION NOTICE TO CONTRACTOR IF PROPERLY IMPLEMENTED, THIS PLAN WILL PROVIDE AN EFFECTIVE MEANS FOR CONTROLLING EROSION. HOWEVER, IT IS ACKNOWLEDGED THAT NO ONE PLAN CAN BE PREPARED THAT WILL DEPICT ALL POSSIBLE CONTROL MEASURES NECESSARY FOR VARIOUS STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID ADEQUATE FUNDS TO PROVIDE ALL EROSION CONTROL MEASURES NECESSARY TO COMPLY WITH CODES FOR THE DURATION OF THE

SPECIFICATIONS REQUIREMENTS THE REQUIREMENTS SHOWN ON THIS PLAN ARE SUPPLEMENTED BY THE SWPPP CONTAINED WITHIN THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICTS BETWEEN THE PLANS, SWPPP SPECIFICATIONS AND THE ACTUAL GENERAL PERMIT, THE MOST STRINGENT REQUIREMENTS SHALL

NOTICE TO CONTRACTOR

CONSTRUCTION PROJECT.

- CONTRACTOR SHALL MANAGE CONSTRUCTION ACTIVITIES TO REDUCE EROSION AND RETAIN SEDIMENT AND OTHER POLLUTANTS IN THE SOIL AT THE CONSTRUCTION SITE.
- 2. CONTRACTOR SHALL MINIMIZE THE TIME BARE SOIL IS EXPOSED.
- 3. CONTRACTOR SHALL MINIMIZE SITE DISTURBANCE BY MINIMIZING THE EXTENT OF GRADING AND CLEARING TO EFFECTIVELY REDUCE SEDIMENT YIELD.

NOTE TO GC: OWNER HAS AUTHORITY AT ANY TIME TO LIMIT SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS AND TO DIRECT THE GC TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES.

1. BEGIN CLEARING, GRUBBING, AND STRIPPING THE SITE. (PHASE CLEARING AND GRUBBING TO THE EXTENT PRACTICAL TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ANY POINT IN TIME) BEGIN GRADING THE SITE.

START CONSTRUCTION OF BUILDING PAD AND STRUCTURES. 1. TEMPORARILY STABILIZE, THROUGHOUT CONSTRUCTION IMMEDIATELY FOLLOWING THE COMPLETION OF THE MOST RECENT LAND DISTURBING/GRADING ACTIVITY, ANY

DISTURBED AREAS, INCLUDING MATERIAL STOCKPILES THAT ARE SCHEDULED OR LIKELY TO REMAIN INACTIVE FOR 14 DAYS OR MORE.

PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.

PREPARE SITE FOR PAVING.

10. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.

- 11. OBTAIN CONCURRENCE FROM THE OWNER CONSTRUCTION MANAGER (CM) THAT THE SITE HAS BEEN FULLY STABILIZED AND ALL CONSTRUCTION HAS BEEN COMPLETED, A. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS),
- B. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF TEMPORARY BMPS, AND . ASK THE CM TO CONTACT THE CEC TO COMPLETE THE CEC PRE-NOT SITE INSPECTION AND REPORT (ONLY CM MAY DO THIS). 12. CONTINUE DAILY INSPECTIONS AND REPORTS UNTIL THE CM FINAL DAILY INSPECTION REPORT, MARKED 'READY TO TERMINATE PERMIT', IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED VIA THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER.

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY, ONLY IF ALL PRECEDING BMPS AND STABILIZATION ACTIVITIES HAVE BEEN COMPLETELY INSTALLED. BMP—RELATED STEPS IN THE ABOVE SEQUENCE ARE BOLDED FOR CLARITY. THE CEC MUST APPROVE, IN WRITING, ANY CHANGES IN THE ABOVE SWPPP IMPLEMENTATION SEQUENCE, BEFORE THEIR IMPLEMENTATION BEGINS.

THE ESTIMATED DATES OF IMPLEMENTATION OF POLLUTION CONTROL MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR ON THE SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE ON SHEET SW-5.

> DEVELOPER/OWNER
> SAM'S REAL ESTATE BUSINESS TRUST
> MAIL STOP 0505
> 702 S.W. 8TH STREET
> BENTONVILLE, AR 72716-0505 (479) 204-3314 SITE OPERATOR/GENERAL CONTRACTOR: SUPERINTENDENT:

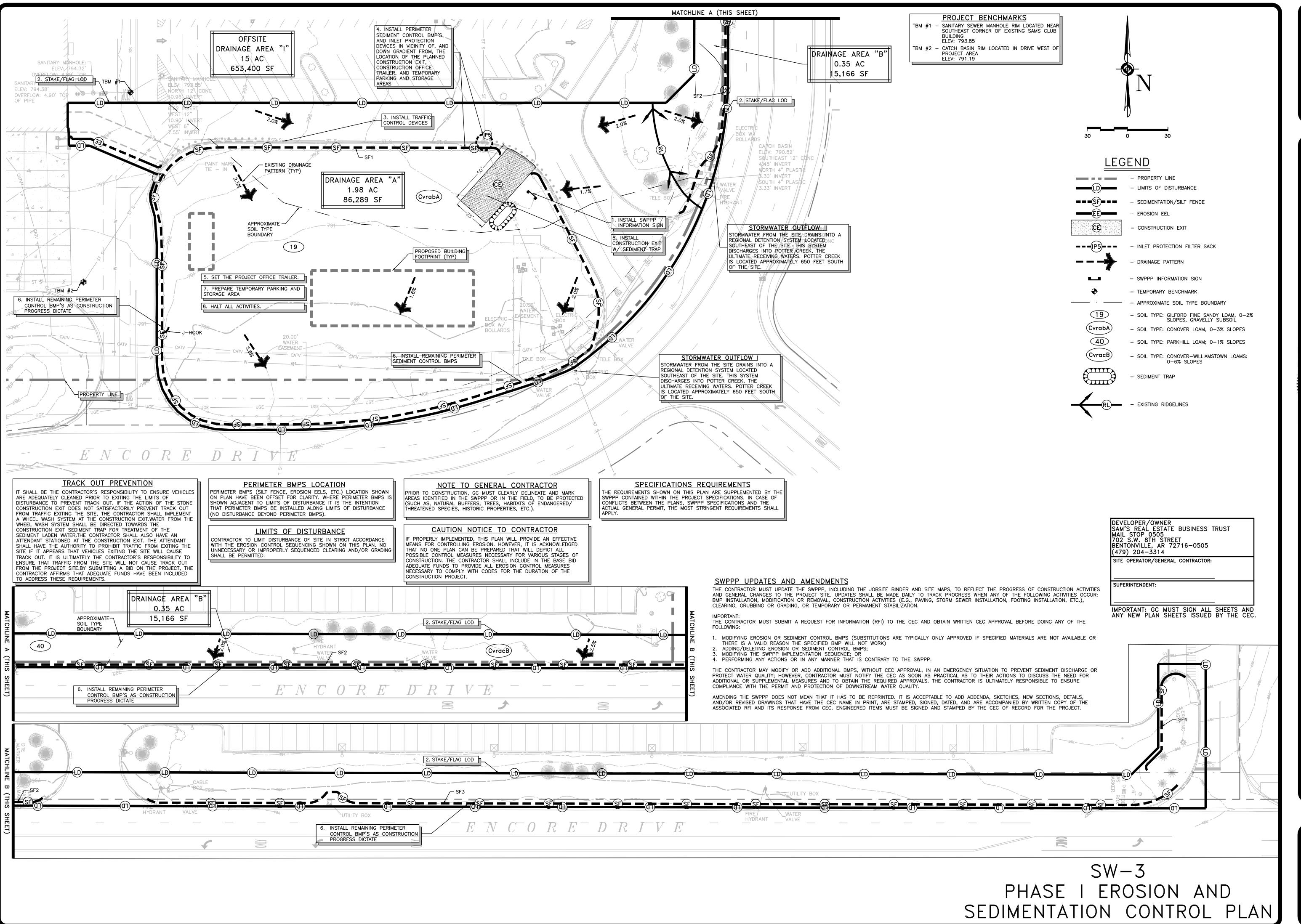
IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

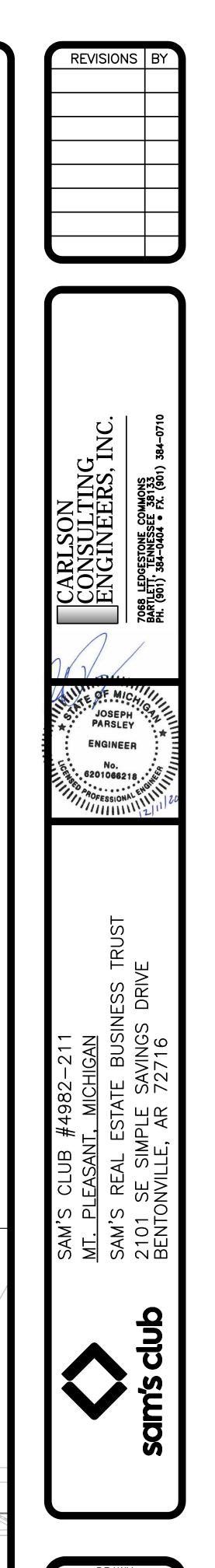
SW-2SWPPP IMPLEMENTATION SEQUENCE AND LIMITS OF WORK

JOSEPH PARSLEY ENGINEER 6201066218 MILLIAM

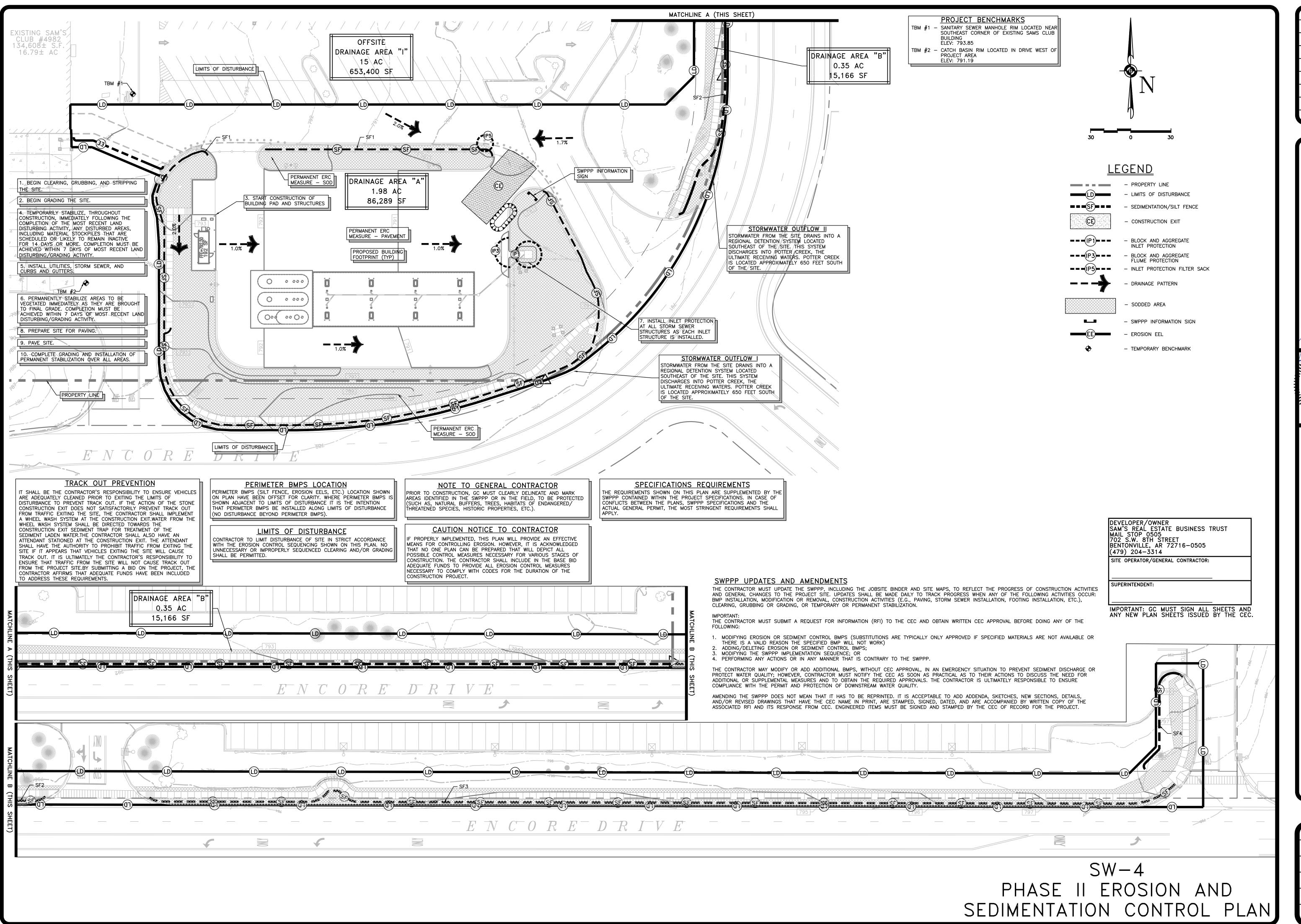
482-21, AICHIGAN ATE BUSINESS SAVINGS DRIV SAM'S MT. PL SAM'S 2101 BENTO

DATE 12/03/2020 N.T.S. JOB No. 4982-211 SHEET 5 OF 22 SHEETS





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BKM
DATE
12/03/2020
SCALE
1"=30'
JOB No.
4982-211
SHEET
6 OF 22 SHEETS



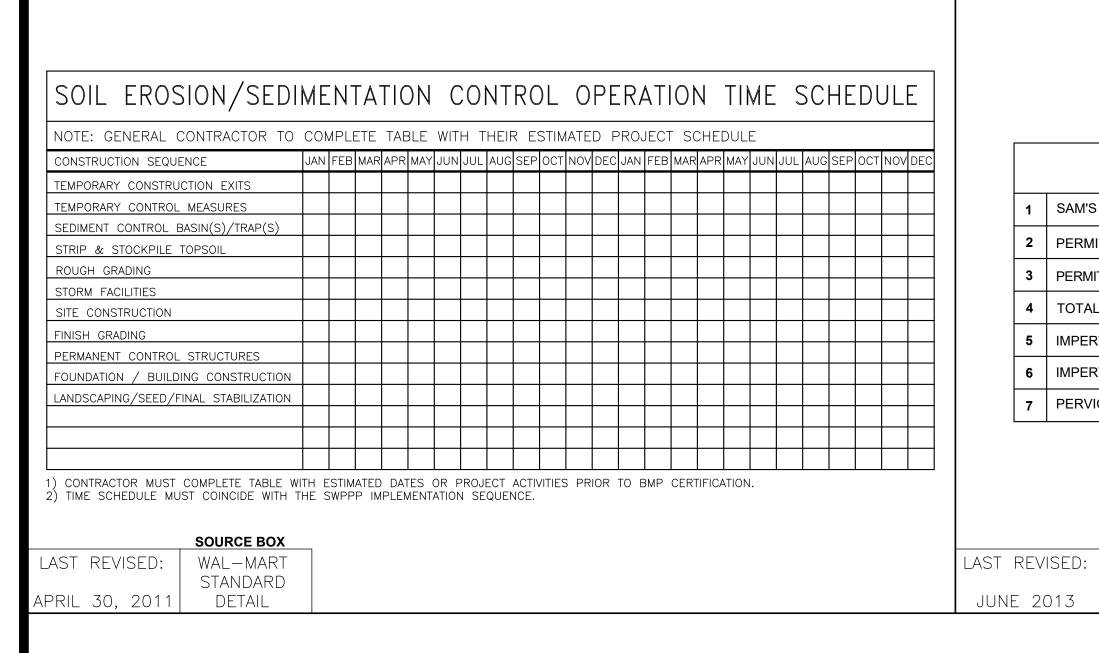
JOSEPH PARSLEY ENGINEER 6201066218 Milling #4982-211 MICHIGAN ESTATE BUSINESS F SAVINGS DRIV SAM,
MT.
SAM,
2101
BEN1 CHECKED BKM DATE 12/03/2020 SCALE

055

1"=30'

JOB No. 4982-211

SHEET 7 OF 22 SHEETS



ACREAGE SUMMARY (IN ACRES)		
1	SAM'S PROPERTY AREA	16.79
2	PERMITTED AREA WITHIN SAM'S PROPERTY	2.75
3	PERMITTED AREA OUTSIDE OF SAM'S PROPERTY	0.25
4	TOTAL PERMITTED PROJECT AREA	3.00
5	IMPERVIOUS AREA BEFORE PROJECT	1.00
6	IMPERVIOUS AREA AT COMPLETION	2.00
7	PERVIOUS AREA AT COMPLETION	1.00

SOURCE BOX

WAL-MART

STANDARD

DETAIL

OFF-	-SITE	RUN	-ON 3	SUMMA	ARY
OFF-SITE DRAINAGE AREA	FLOW (CFS)	AREA (ACRES)	AVERAGE SLOPE	MAXIMUM SLOPE	COVER TYPE
AREA "I"	77	15	2.00%	33%	PAVED/GRASSED

SITE SOILS SUMMARY		
SOIL TYPE AND TEXTURE:	PER THE PROJECT GEOTECHNICAL EXPLORATION, SOILS ACROSS THE SITE GENERALLY CONSIST OF SILTY CLAYS OVERLYING SANDS.	
AVERAGE DEPTH OF TOPSOIL:	9" PER PROJECT GEOTECHNICAL EXPLORATION.	
AVERAGE DEPTH TO GROUNDWATER:	15 FEET PER PROJECT GEOTECHNICAL EXPLORATION.	
NOTE. THE AROVE SOILS INFORMATION IS FOR INFORMATION ONLY AND SHOULD NOT BE USED FOR RIDDING PURPOSES.		

NOTE: THE ABOVE SOILS INFORMATION IS FOR INFORMATION ONLY AND SHOULD NOT BE USED FOR BIDDING PURPOSES, CONSTRUCTION COSTS OR ESTIMATING.

SOURCE BOXWAL-MART
STANDARD
DETAILLAST REVISED:
STANDARD
JUNE 2012WAL-MART
STANDARD
DETAIL

RUNOFF COEFFICIENT S	SUMMARY
PRE-CONSTRUCTION SCS TR-55 CURVE NUMBER:	CN = 63
POST-CONSTRUCTION SCS TR-55 CURVE NUMBER: CN = 86	
	•

SITE LOCATION SUMMARY		
ADDRESS:	4850 ENCORE DRIVE, MT. PLEASANT, MICHIGAN 48058	
CENTER OF SITE:		
LATITUDE:	43°34'12" N (43.570024° N)	
LONGITUDE:	84°45'32" W (84.758772° W)	
ADJACENT SURROUNDING PROPERTIES:	WEST, NORTH AND EAST: COMMERCIAL DEVELOPMENT SOUTH: ENCORE DRIVE FOLLOWED BY A REGIONAL STORMWATER RETENTION POND.	

SITE	TOPOGRAPHY SUMMARY
LOWEST ELEVATION OF PROJECT SITE:	789
HIGHEST ELEVATION OF PROJECT SITE:	794
PERCENT SLOPE VARIATION:	SLOPES ACROSS THE SITE VARY FROM 1% IN PAVED AREAS TO 33% IN GRASSED SLOPE AREAS.
TOPOGRAPHY CHANGES:	DUE TO THE SITE BEING IN AN EXISTING COMMERCIALLY DEVELOPED AREA, TOPOGRAPHY ACROSS THE SITE WILL REMAIN RELATIVELY UNCHANGED WITH MINIMAL CUT/FILL OPERATIONS REQUIRED.
VEGETATION:	ALL VEGETATIVE AREAS REMOVED FROM THE SITE DURING CONSTRUCTION WILL BE REPLACED WITH IMPERVIOUS AREA OR RE-VEGETATED UPON COMPLETION OF GRADING ACTIVITIES
AVERAGE SLOPE:	EXISTING SLOPES ACROSS THE SITE RANGE FROM 1% TO 33%

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
······ /4	AVERAGE RAINFALL N INCHES	1.74	1.38	1.99	2.71	2.99	3.06	2.78	3.01	3.10	2.56	2.23	1

SOURCE BOX

LAST REVISED: WAL—MART
STANDARD
JUNE 2012 DETAIL

LAST REVISED: WAL-MART STANDARD
JUNE 2012 DETAIL

LAST REVISED: WAL-MART STANDARD JUNE 2013 DETAIL

LAST REVISED:

JUNE 2012

LAST REVISED: WAL-MART STANDARD JUNE 2012 DETAIL

DEVELOPER/OWNER
SAM'S REAL ESTATE BUSINESS TRUST
MAIL STOP 0505
702 S.W. 8TH STREET
BENTONVILLE, AR 72716-0505
(479) 204-3314
SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

SW-5
EROSION CONTROL DETAILS

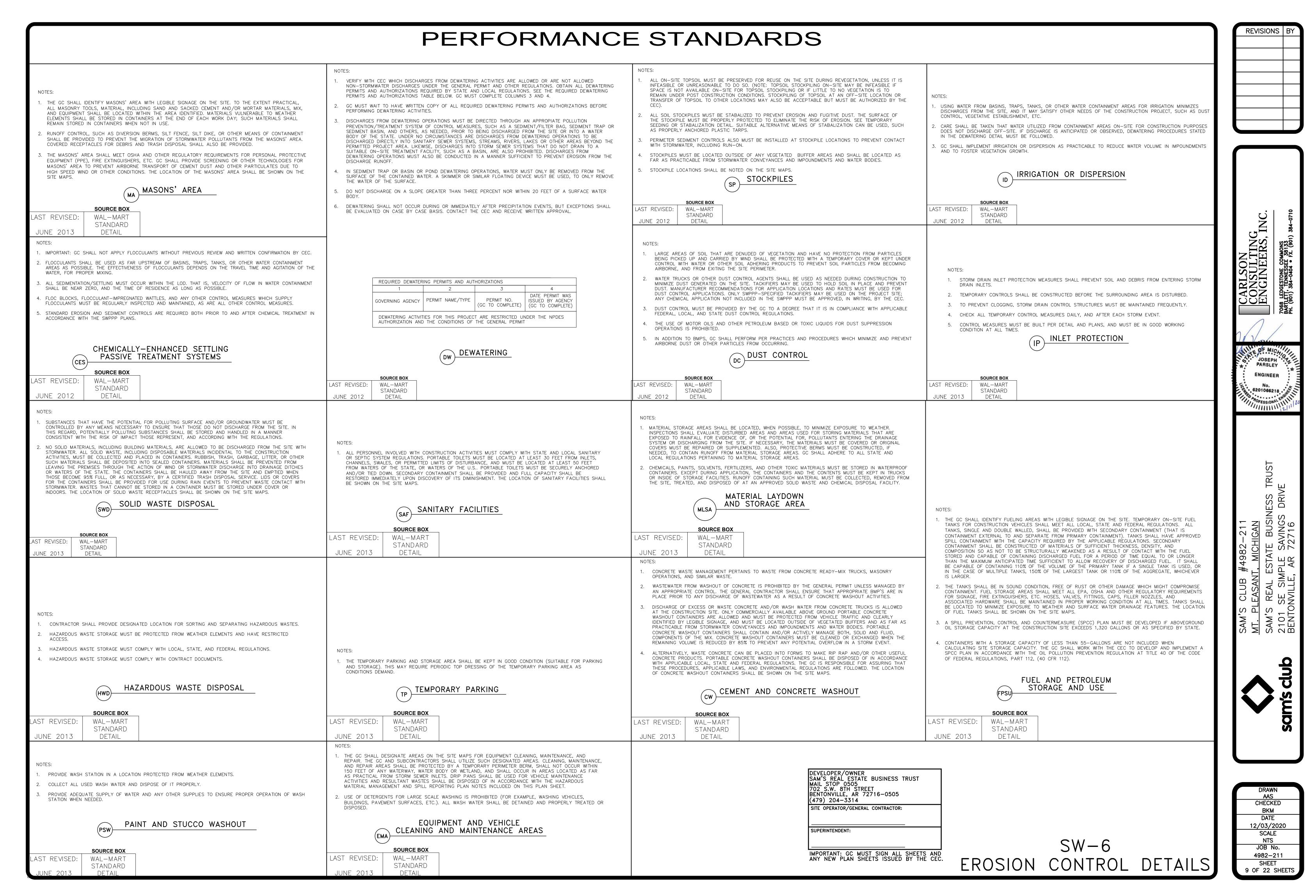
JOSEPH PARSLEY
ENGINEER

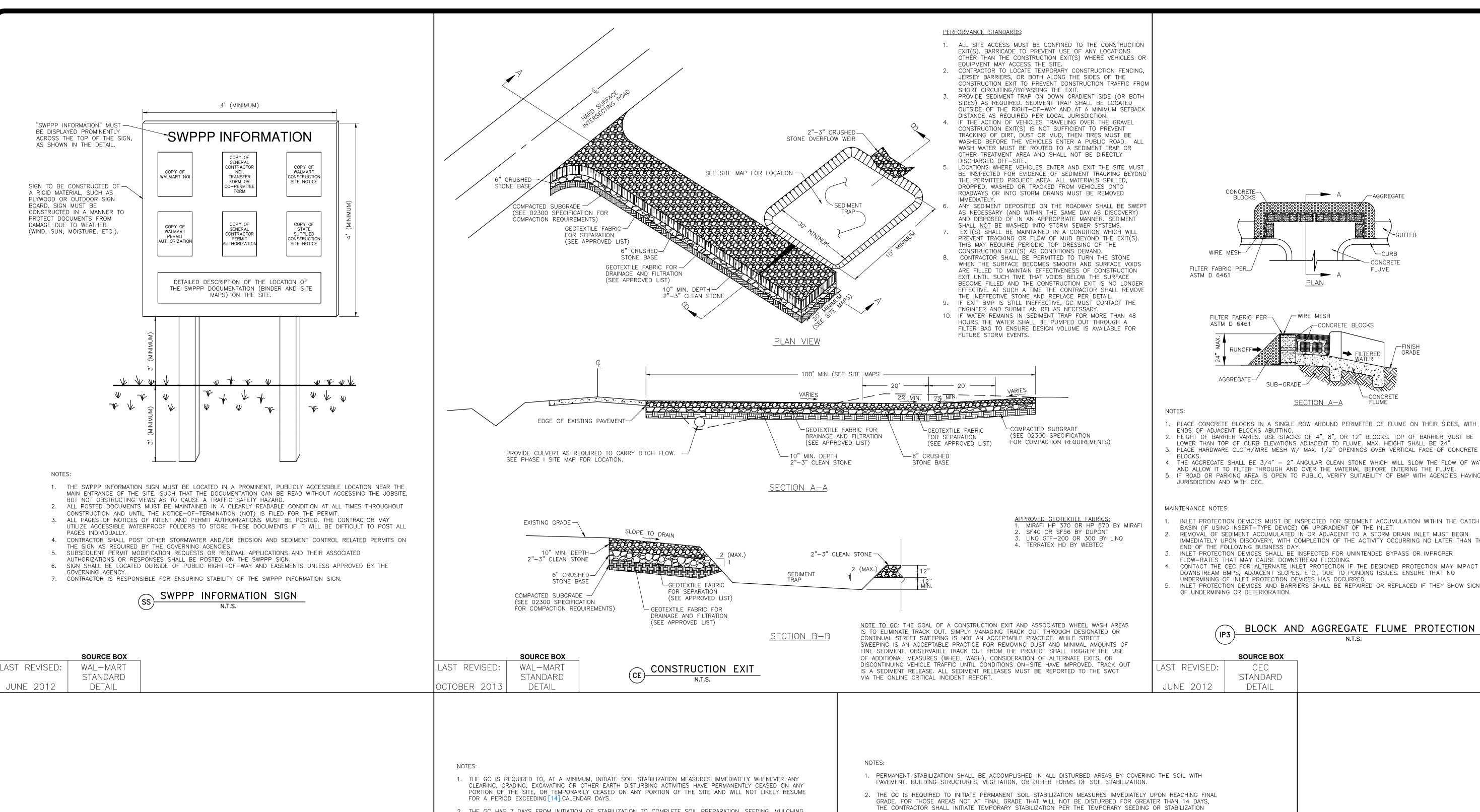
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6201066218

SAM'S CLUB #4982-211
MT. PLEASANT, MICHIGAN
SAM'S REAL ESTATE BUSI

Sam's club

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DATE
12/03/2020
SCALE
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JOB No.
4982-211
SHEET
8 OF 22 SHEETS





- 1. CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED. . SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE 02900 PLANTING SPECIFICATION IMMEDIATELY AFTER
- 3. THE SITE HAS ACHEIVED FINAL STABALIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.), OR HAVE A STAND OF GRASS WITH A MINIMUM OF 70 PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL
- VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT THE VEGETATIVE DENSITY MUST BE MAINTAINED THROUGH PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
- 6. RIP-RAP, MULCH, GRAVEL, DECOMPOSED GRANITE OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN AND GOVERNING AUTHORITY APPROVAL.
- 7. ALL SEED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

SEEDING/VEGETATION REQUIREMENTS

SVR					
	SOURCE BOX				
LAST REVISED:	WAL-MART				
	STANDARD				
JUNE 2012	DETAIL				

TOPSOIL IS APPLIED AND FINAL GRADE IS REACHED.

- 2. THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF
- 3. ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.
- 4. ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
- 5. IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
- 6. ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAW/HAY MULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
- 7. ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT QDOR(TM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF QDOR(TM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY INSPECTOR.
- 8. ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATS) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. RILING, RUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

TEMPORARY SEEDING OR STABILIZATION

SOURCE BOX WAL-MART LAST REVISED: STANDARD JUNE 2012 DETAIL

- 3. THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF
- 4. SOILS MUST BE PREPARED BEFORE INSTALLATION OF SOD OR SEED. SEE 02900 SPECIFICATION FOR INSTRUCTION ON PROPER SOIL PREPARATION.
- 5. AT THE COMPLETION OF GROUND-DISTURBING ACTIVITIES, THE ENTIRE SITE MUST HAVE PERMANENT VEGETATIVE COVER MEETING VEGETATIVE DENSITY REQUIREMENTS IN THE GENERAL PERMIT, OR MULCH PER LANDSCAPE PLAN, IN ALL AREAS NOT COVERED BY HARDSCAPE (STONE, PAVEMENT, BUILDINGS, ETC.).
- 6. SEEDED AREAS SHALL BE PROTECTED WITH STRAW MULCH, HYDRAULIC MULCH OR A ROLLED EROSION CONTROL PRODUCT. STRAW MULCH MUST BE TACKIFIED OR CRIMPED BY DISC OR OTHER MACHINERY, AND ROLLED EROSION CONTROL PRODUCTS MUST BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. ONLY ROLLED EROSION CONTROL PRODUCTS ARE PERMITTED TO BE USED IN FLOW CONVEYANCES.
- 7. ALL AREAS TO BE SEEDED MUST MEET TOPSOIL DEPTH, PH AND ORGANIC CONTENT REQUIREMENTS AS SPECIFIED IN THE 02900 SPECIFICATION - PLANTING OR XERISCAPE SPECIFICATION.
- 8. FINAL SITE STABILIZATION IS ACHIEVED WHEN PERENNIAL VEGETATIVE COVER PROVIDES PERMANENT STABILIZATION WITH A UNIFORM DENSITY GREATER THAN 70 PERCENT OVER THE ENTIRE AREA TO BE STABILIZED BY VEGETATIVE COVER. THIS AREA IS EXCLUSIVE OF AREAS THAT ARE COVERED WITH ROCK (CRUSHED GRANITE, GRAVEL, ETC.) OR LANDSCAPE MULCH, PAVED OR HAVE A BUILDING OR OTHER PERMANENT STRUCTURE ON THEM.

PERMANENT SEEDING, SOD OR MULCHING

SOURCE BOX

LAST REVISED:

JUNE 2012

WAL-MART

STANDARD

DETAIL

SW-7EROSION CONTROL DETAILS

IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

SUPERINTENDENT:

- 3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE
- 4. THE AGGREGATE SHALL BE 3/4" 2" ANGULAR CLEAN STONE WHICH WILL SLOW THE FLOW OF WATER
- 5. IF ROAD OR PARKING AREA IS OPEN TO PUBLIC, VERIFY SUITABILITY OF BMP WITH AGENCIES HAVING
- INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH
- IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE
- CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS

DEVELOPER/OWNER SAM'S REAL ESTATE BUSINESS TRUST MAIL STOP 0505 702 S.W. 8TH STREET BENTONVILLE, AR 72716-0505 (479) 204-3314 SITE OPERATOR/GENERAL CONTRACTOR:

> CHECKED BKM DATE 12/03/2020 NTS JOB No. 4982-211 SHEET 10 OF 22 SHEETS

REVISIONS

JOSEPH "

PARSLEY

ENGINEER

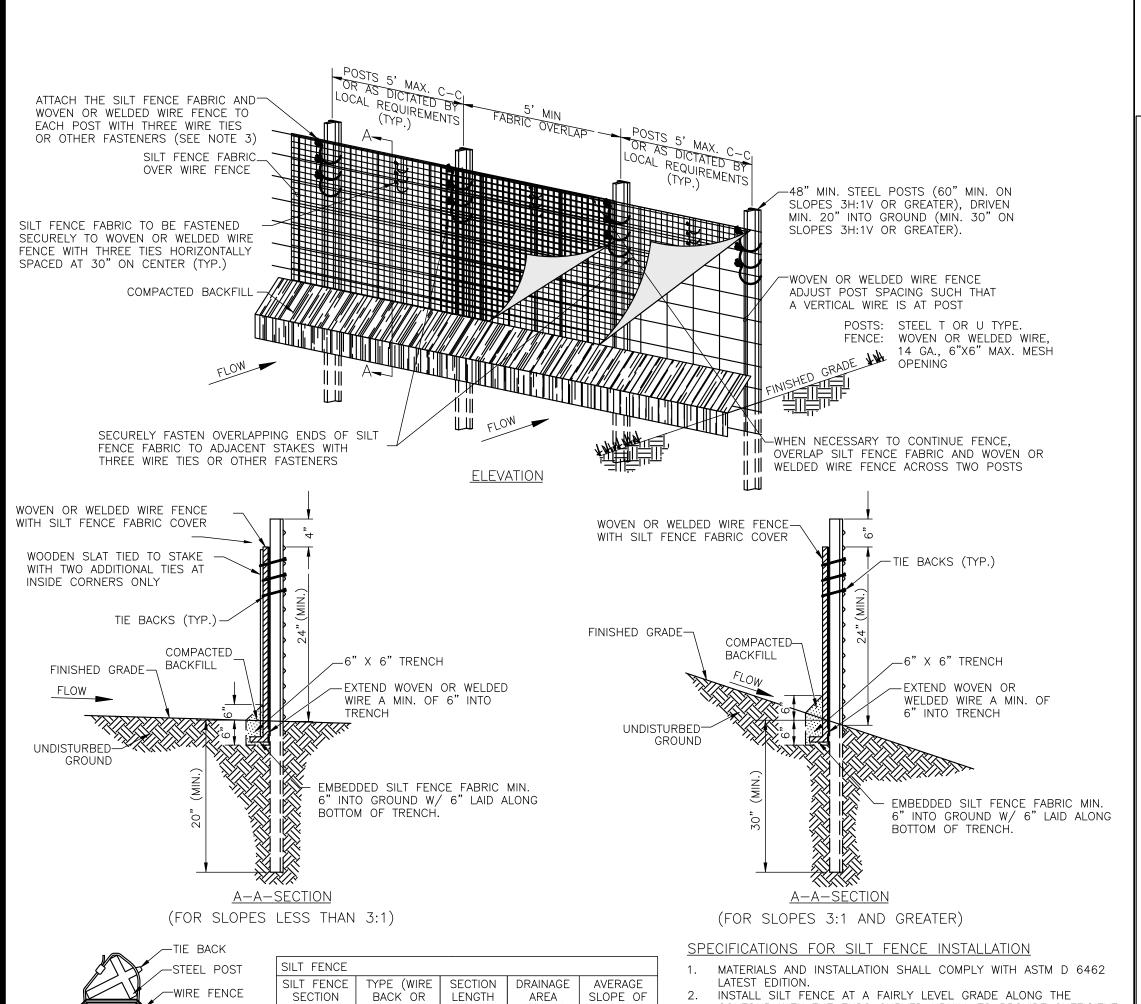
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MILLIAM

S. P.

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SAM,
MT.
SAM,
SAM,



-WOODEN SLAT			SECTION	l 1	WIRE	BACK	890	1.5	3%
_ SILT FE	NCE FABRIC		SECTION	1 2	WIRE	BACK	680	0.2	2%
CORNE	R – PLAN V	<u>IEW</u>	SECTION	1 3	WIRE	BACK	775	0.2	2%
			SECTION	1 4	WIRE	BACK	90	0.2	2%
TABLE 1 Temporary Silt Fence Material Property Requirements									
		Test M	1ethod	Uni	ts			Jnsupported⁴ Silt Fence	Type of Value
:h		ASTM D 4632		N (I	bs)				
	Machine Direction						400 (90)	550 (90)	MARV

SLICED)

(FT)

(ACRES) AREA

TOTAL OF FOUR TRIPS.

MAINTENANCE NOTES

REUSE.

APPLICABLE AGENCY REQUIREMENTS.

SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST

HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE

REACHING ONE—THIRD THE HEIGHT OF THE SILT FENCE. 2. ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE

3. SPECIAL ATTENTION SHALL BE PAID TO ENSURE THAT NO

IS OCCURRING AT JOINING SECTIONS.

BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE

CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM

STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE FOR

UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS

4. IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPS (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE. 5. SILT FENCÉS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF

		rest Method	Units	Silt Felice	Silt Felice	vulue
Grab Strength		ASTM D 4632	N (lbs)			
	Machine Direction			400 (90)	550 (90)	MARV
	X—Machine Direction			400 (90)	450 (90)	MARV
Permittivity ^B		ASTM D 4491	sec-1	0.05	0.05	MARV
Apparent Opening Size ^B		ASTM D 4751	mm (US Sieve #)	0.60 (30)	0.60 (30)	Max. ARV ^c
Ultraviolet Stability		ASTM D 4355	% Retained Strength	70% after 500 h of exposure	70% after 500 h of exposure	Typical

A Silt fence support shall consist of 14 gage steel wire with a mesh spacing of 150 mm (6 in.) or prefabricated polymer mesh of equivalent strength.

BThese default values are based on empirical evidence with a variety of sediments. For environmentally sensitive areas, a review of previous experience and/or site or regionally specific geotextile tests in accordance with Test Method D 5141 shall be performed by the agency to confirm suitability of these requirements. c As measured in accordance with Test Method D 4632. TABLE 1 TAKEN FROM ASTM D 6461-99 (2007)

SEDIMENTATION/SILT FENCE WITH WIRE BACKING

	SOURCE BOX
LAST REVISED:	WAL-MART
	MODIFIED
JUNE 2012	DETAIL

<u>INSIDE CORNER — F</u>

IDENTIFY YOUR FRAME STYLE, SIZE, AND MATERIAL CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A 8. ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND

SUFFIX UPGRADED FRAMING MATERIAL OPTIONS (STANDARD IS ZINC PLATED) UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF. ATTACH THE GEOTEXTILE OR FABRIC TO THE WOVEN OR WELDED CHROME PLATED FRAMING FOR HIGH SALT EXPOSURE -CHR WIRE FENCE WITH THREE WIRE TIES OR OTHER FASTENERS STAINLESS STEEL FRAMING FOR HIGH SALT AND / OR CHEMICAL EXPOSURE (HORIZONTALLY SPACED EVERY 30"). ALL SPACED WITHIN THE TOP " OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" SELECT YOUR FILTER BAG PART NUMBER VERTICALLY APART. AT EACH POST, ATTACH THE GEOTEXTILE OR FABRIC AND THE WOVEN OR WELDED WIRE FENCE TO THE POST FLEXSTORM FILTER BAGS AS PREVIOUSLY STATED. IN ADDITION, EACH TIE PLACED ON A TD BAG P/N SHORT BAG P/N RATE (GPM/SQFT) POST SHALL BE POSITIONED TO HANG ON A POST NIPPLE WHEN (: STANDARD WOVEN BAG FX-SFΧ 200 TIGHTENED TO PREVENT SAGGING. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, X+: WOVEN W/ MYCELX FXP FXP-S 200 THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO POSTS, AS SHOWN. O: WOVEN W/OIL BOOM FXO-S 200 FXO ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT. C: POST CONSTRUCTION BA PC-S 137 WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES. C+: PC BAG W/ MYCLEX PCP PCP-S 137 7. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR

LAST REVISED: MANUFACTURER

APRIL 22, 2013

FLEXSTORM INLET FILTERS

PRODUCT SELECTION AND SPECIFICATION DRAWING

STAINLESS STEEL ROUND INLET FILTERS for

NYLOPLAST CASTINGS

CATCH-ITS SPECIFIED W/ FX or FX-S

MED ROUND (UP TO 20.1"-26" DIA GRATES (A) UP TO 25" DIA OPENINGS (B

LARGE ROUND (UP TO 26.1"-32.0" DIA GRATES (A) UP TO 30" OPENINGS (B))

ROUND (UP TO 32.1"-39" DIA GRATES (A) UP TO 37" DIA OPENING (B))

SMALL RECT / SQUARE (UP TO 16" (B) x 16" (D) OPENINGS OR 64" PERIMETER)

MED RECT / SQUARE (UP TO 24" (B) x 24" (D) OPENINGS OR 96" PERIMETER)

LARGE RECT / SQUARE (UP TO 36" (B) x 24" (D) OPENINGS OR 120" PERIMETER)

SMALL RECT / SQUARE (REF RECT SIZING; SHIPPED WITH MAGNETIC CURB FLAPS)

MED RECT / SQUARE (REF RECT SIZING; SHIPPED WITH MAGNETIC CURB FLAPS)

LARGE RECT / SQUARE (REF RECT SIZING; SHIPPED WITH MAGNETIC CURB FLAPS)

 $_{ extsf{L}}$ RECT / SQUARE (REF RECT SIZING; SHIPPED WITH MAGNETIC CURB FLAPS

" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)

5" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)

8" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)

4" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)

30" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)

RECT/SQUARE (SIDE BY SIDE 2 PC SET TO FIT UP TO 48" (B)x36" (D) OPENINGS

SMALL ROUND (UP TO 20.0" DIA GRATES (A) DIM)

OPEN THROAT GUTTERS — CURB OPENING SIZE

JP TO 4' (1 FILTER AND MOUNTING HARDWARE)

BETWEEN 4' AND 8' (2 FILTERS AND MOUNTING HARDWARE)

BETWEEN 8' AND 12' (3 FILTERS AND MOUNTING HARDWARE)

BETWEEN 12' AND 16' (4 FILTERS AND MOUNTING HARDWARE)

SOURCE BOX

DETAIL

FRAME STYLE AND SIZE

22" DEPTH) (12" DEPTH) | CLEAN WATER FLOW | MIN A.O.S. (US SIEVE) 40 40 140 140 LITTER AND LEAF BAG LL-SHIGH 3.5 IL-S: IDOT NON-WOVEN BAG

. REMOVE GRATE STEP 145

FILTER BAG

COMBINATION INLET FILTER

FOR CURB HOODS

FRAME P/N:

62SRD

62LRD

62XLRD

62SSQ

62MSQ

62LSQ 62XLSQ

62SCB

62MCB

62LCB

62XLCB

6212NY

6215NY 6218NY

6224NY

6230NY

62WM1

62WM2

62WM3

62WM4

2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE 3. REPLACE GRATE CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER FRAME P/N FROM | FILTER BAG P/N FRAMING STEP 2 MATERIAL

\$\$\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$

-STANDARD 2"

OVERFLOW AREA

REAR CURB GUARD

TIE DOWNS

FLAP WITH MAGNETIC

CLAMPING REPLACEABLE SEDIMENT -BAGS WITH GEOTEXTILE WHERE FILTER BAGS ARE SPECIFIED. THE CONTRACTOR FILTER FABRIC TYPICAL ROUND INLET FILTER TYPICAL RECTANGULAR INLET FILTER PROTECTION. WALL MOUNT INLET FILTERS FOR OPEN THROAT GUTTERS SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE ILTERED FLOW RATE AT 50% MAX GARVIN COX NOMINAL STORAGE RETENT **RETENT** (POST (NON) (OZ) (WOVEN) WOVEN) CONSTR) 8.0 0.9 3.8 1.5 1.6 120 209 3.6 2.4 2.6 192 370 *PC FILTER BAG AT 50% MAX ABSORPTION CAPACITY **PC FILTER BAG AT 50% CAPACITY AND MYCLEX SKIMMER AT 100% CAPACITY ALL PRODUCTS MANUFACTURED

BY INLET & PIPE PROTECTION, INC

SHEET 1 OF 1

DISTRIBUTED BY ADS

WWW.INLETFILTERS.COM

(866) 287-8655 PH

(630) 355-3477 FX

INFO@INLETFILTERS.COM

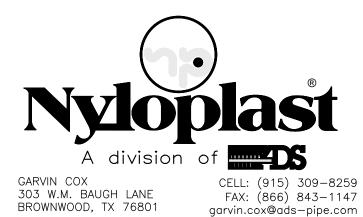
-STAINLESS

— 11 GAUGE STEEL

SUSPENSION SYSTEM

NOTICE TO CONTRACTOR

SHALL USE FLEXSTORM INLET FILTERS BY NYLOPLAST® FOR INLET PROTECTION. SINCE THE INLET FILTERS ARE CUSTOMIZED FOR EACH INLET, THE DETAIL PROVIDED SHALL BE USED FOR GENERAL INFORMATION ONLY. IT SHALL BE THI CONTRACTOR'S RESPONSIBILITY TO ORDER THE APPROPRIATE FLEXSTORM INLET FILTER FOR EACH EXISTING, OR PROPOSED INLET TYPE REQUIRING PROTECTION. THE CONTRACTOR SHALL CONTACT GARVIN COX, OR THE LOCAL NYLOPLAST® SALES REPRESENTATIVE, FOR ORDERING INFORMATION. AT A MINIMUM, THE CONTRACTOR SHALL BE PREPARED TO PROVIDE THE NYLOPLAST® SALES REPRESENTATIVE INFORMATION RELATED 1 INLET TYPE AND DIMENSIONS FOR EACH INLET REQUIRING



SAM'S REAL ESTATE BUSINESS TRUST MAIL STOP 0505 702 S.W. 8TH STREET BENTONVILLE, AR 72716-0505 (479) 204-3314 SITE OPERATOR/GENERAL CONTRACTOR: SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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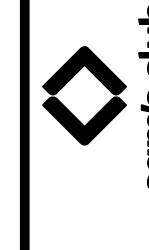
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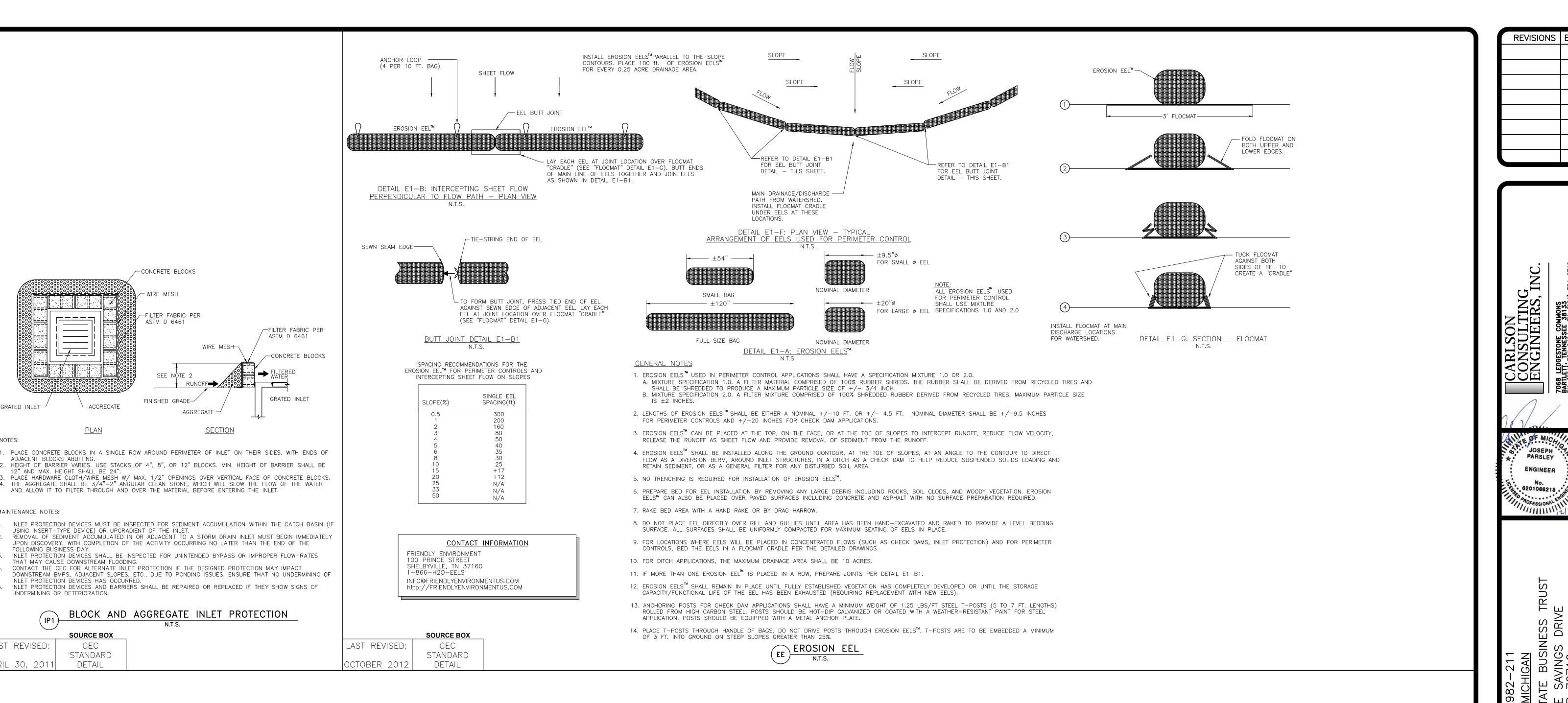
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ENGINEER

6201066218



CHECKED BKM DATE 12/03/2020 **SCALE** NTS JOB No. 4982-211 SHEET 11 OF 22 SHEETS



CONCRETE BLOCKS

- WIRE MESH

ASTM D 6461

FINISHED GRADE-

— AGGREGATE

USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.

SOURCE BOX

STANDARD

DETAIL

<u>PLAN</u>

GRATED INLET-

MAINTENANCE NOTES:

LAST REVISED:

PRIL 30, 2011

ADJACENT BLOCKS ABUTTING.

12" AND MAX. HEIGHT SHALL BE 24".

THAT MAY CAUSE DOWNSTREAM FLOODING.

UNDERMINING OR DETERIORATION.

NOTES:



IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

SW-9EROSION CONTROL DETAILS

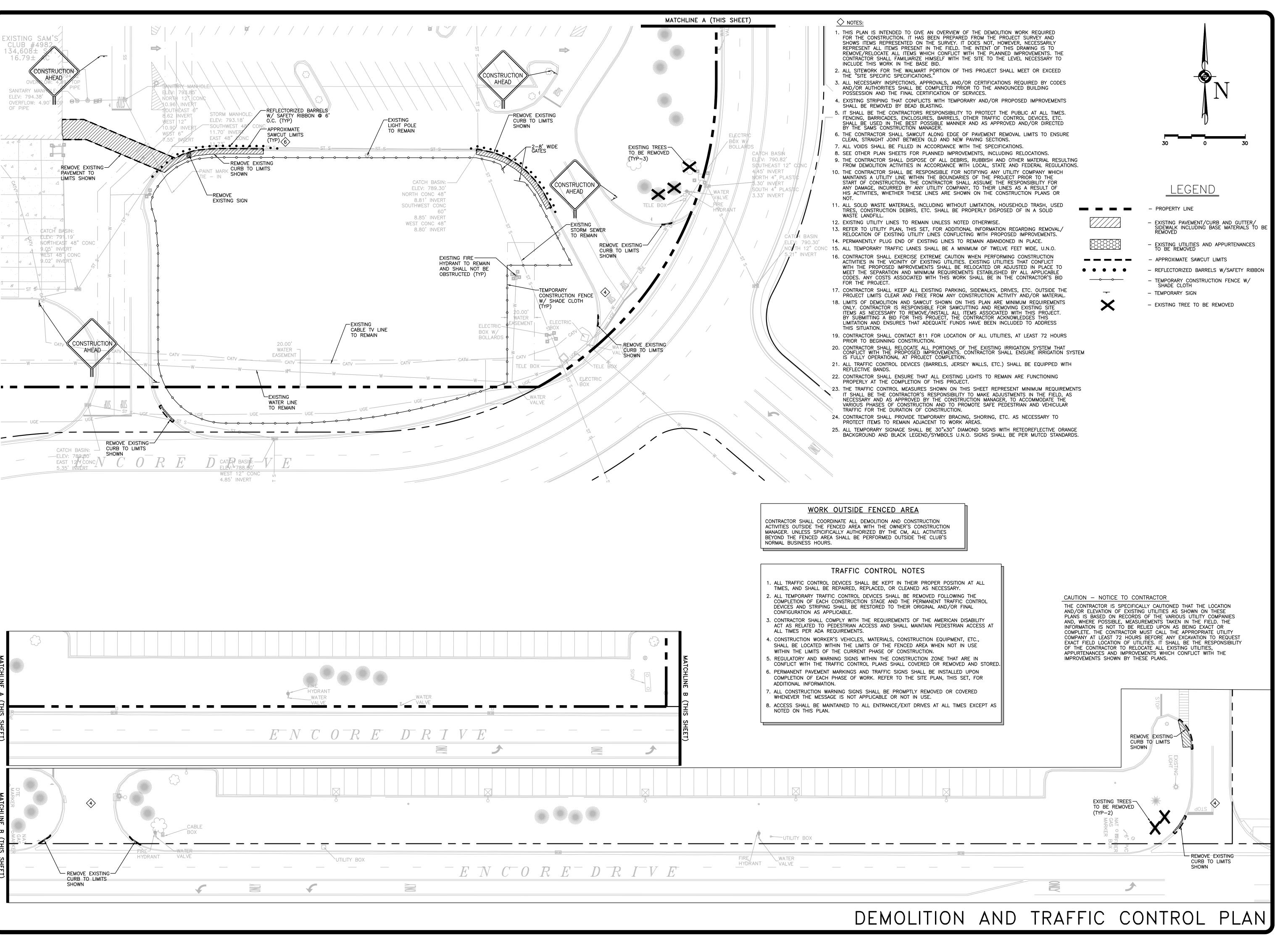
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12 OF 22 SHEETS

JOSEPH

PARSLEY

ENGINEER



REVISIONS BY

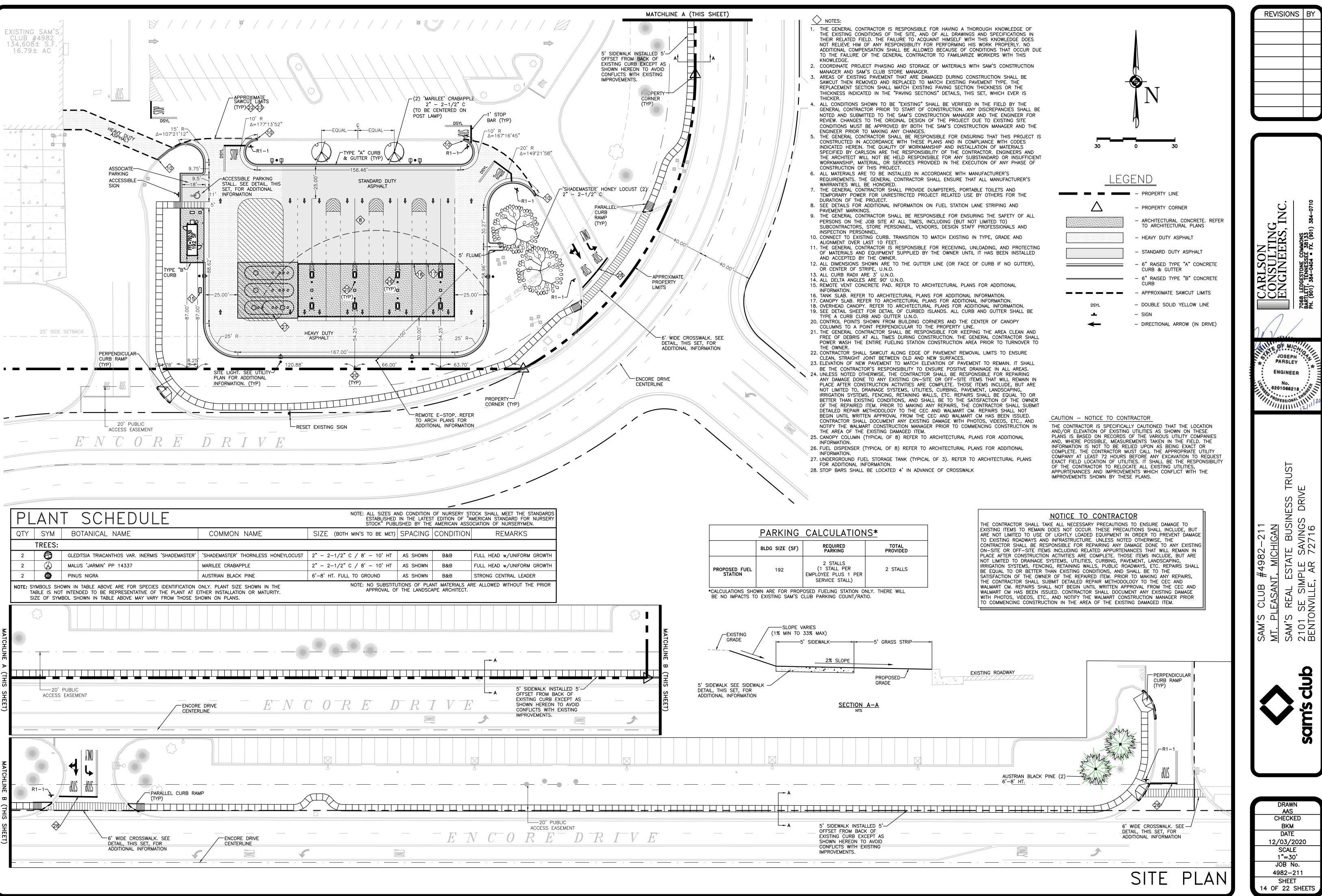
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ENGINEER

JOSEPH
PARSLEY
ENGINEER
No.
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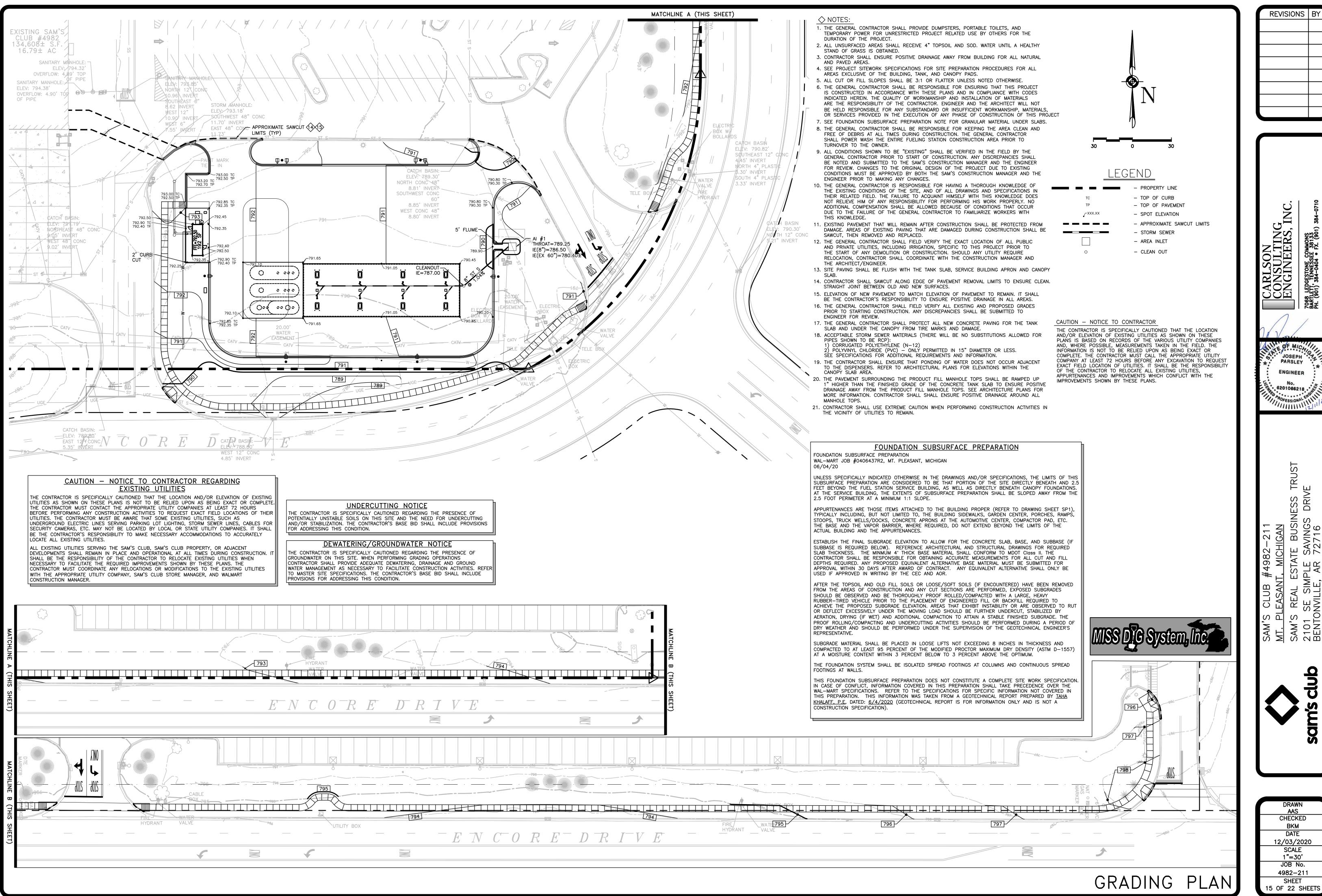
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C. JOSEPH PARSLEY ENGINEER 6201066218 MILLIAM

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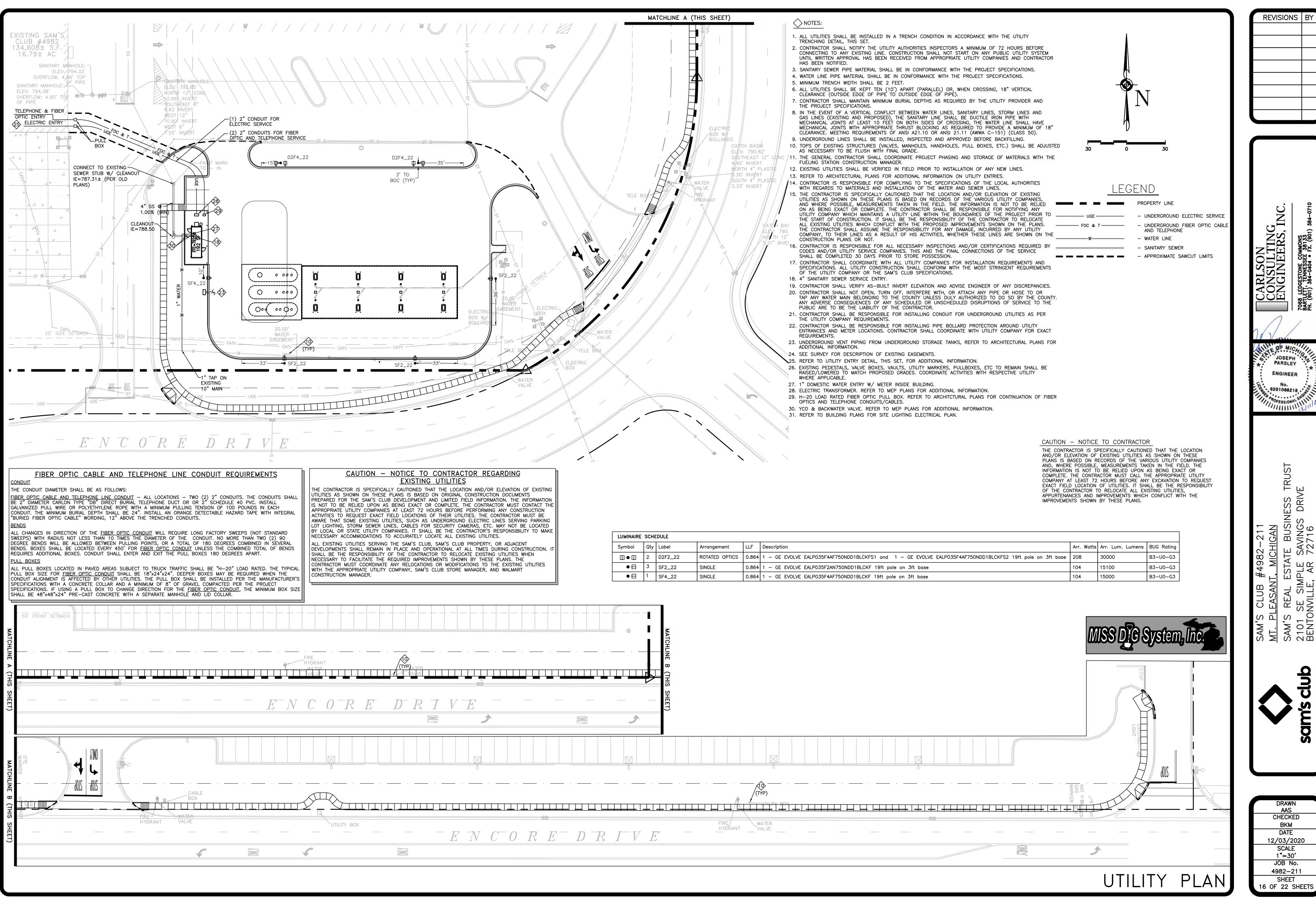


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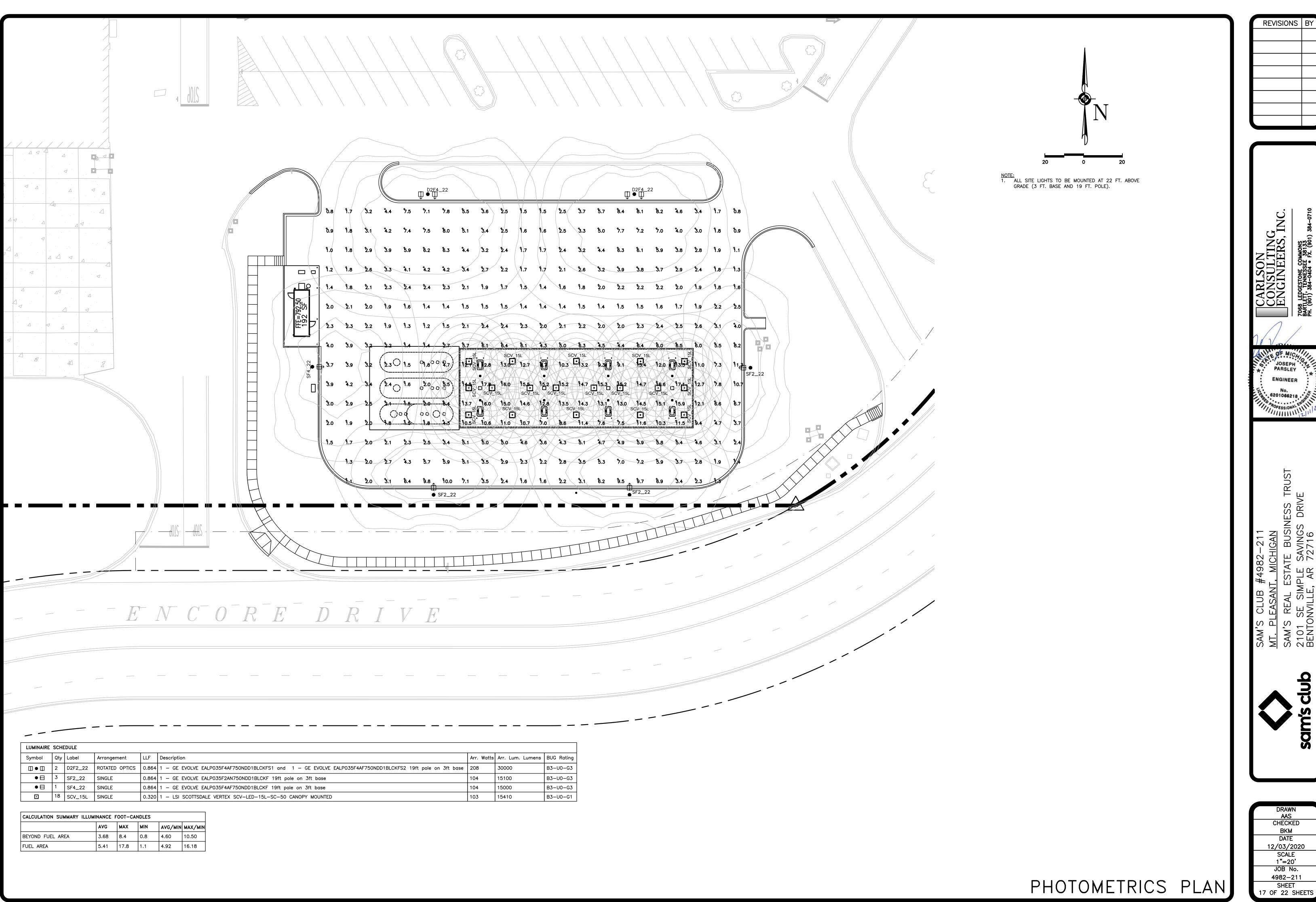
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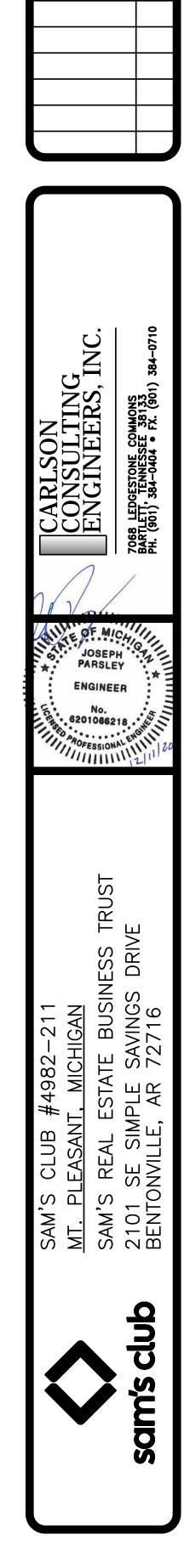
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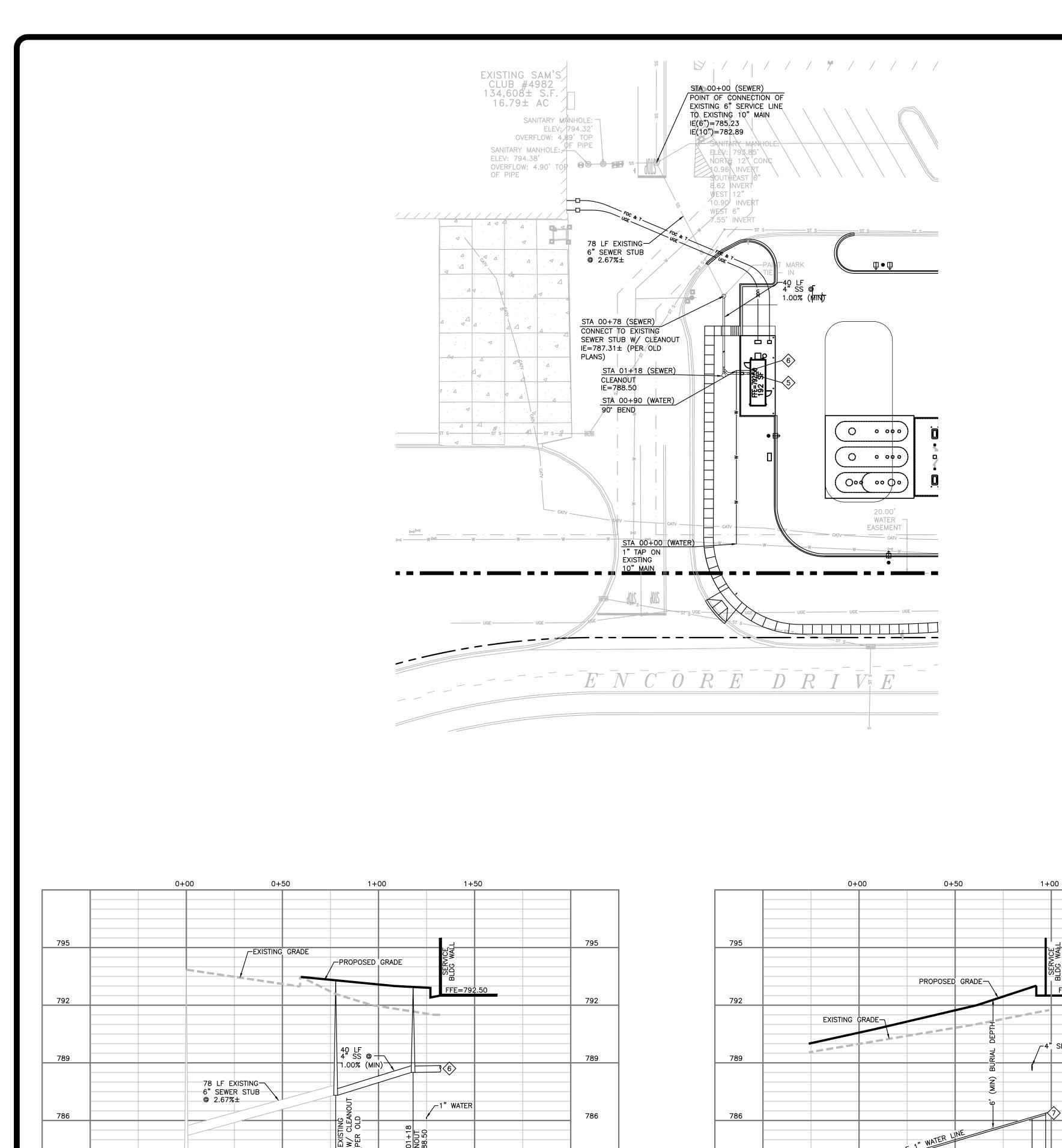
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CHECKED BKM DATE 12/03/2020 1"=30' JOB No. 4982-211 SHEET 16 OF 22 SHEETS







783

780

777

SANITARY SEWER SERVICE LINE
HORIZ: 1" = 30'
VERT: 1" = 3'

783

1+50

'" SEWER

WATER SERVICE LINE
HORIZ: 1" = 30'
VERT: 1" = 3'

795

792

789

783

780

ALL DESIGN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE TOWNSHIP'S CURRENT STANDARDS, SPECIFICATIONS, AND DETAILS.
 ALL ELEVATIONS SHALL BE BASED UPON USGS OR NGVD DATUM.

3. NO CONNECTION RECEIVING STORM WATER OR GROUNDWATER SHALL BE MADE TO SANITARY

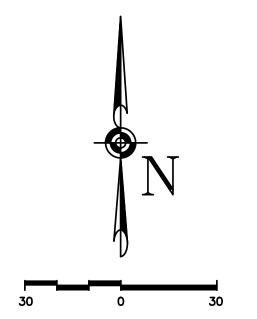
SEWER.

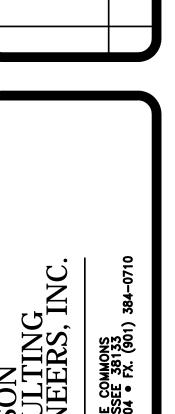
4. THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE TOWNSHIP AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.

5. MAINTAIN A MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION AT ALL WATER AND SEWER

CROSSINGS. 6. 4" SANITARY SEWER SERVICE ENTRY.

7. 1" DOMESTIC WATER ENTRY W/ METER INSIDE BUILDING.
8. SEWER SERVICE LINES SHALL BE SCHEDULE 40 PVC.
9. WATER SERVICE LINES SHALL BE PVC, 200 PSI AQUA JET TUBING.

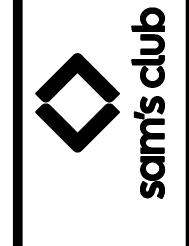




REVISIONS BY

JOSEPH PARSLEY ENGINEER 6201066218 Millim

SAM'S CLUB #4982-211
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SAM'S REAL ESTATE BUSINESS 7
2101 SE SIMPLE SAVINGS DRIVE
BENTONVILLE, AR 72716

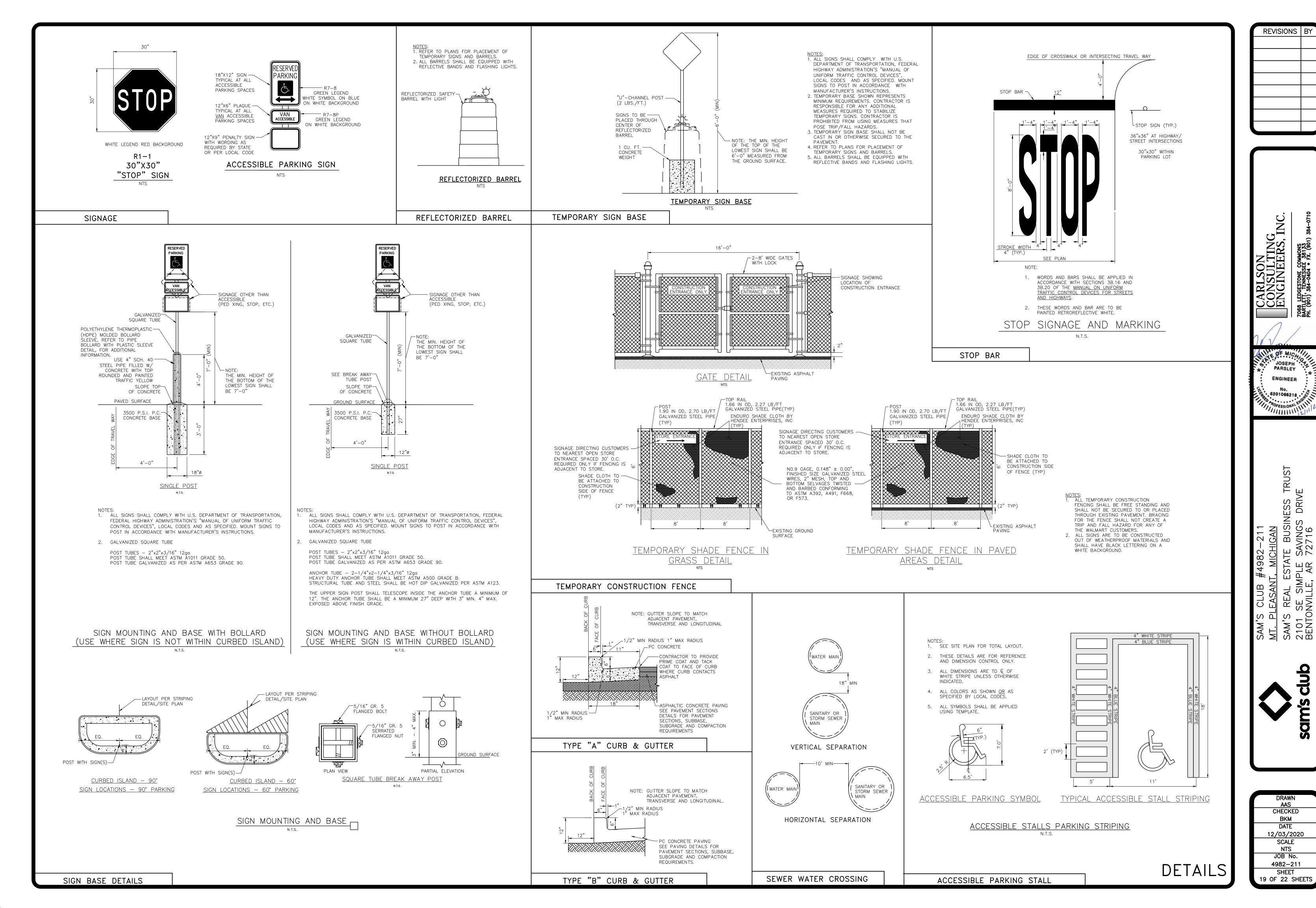


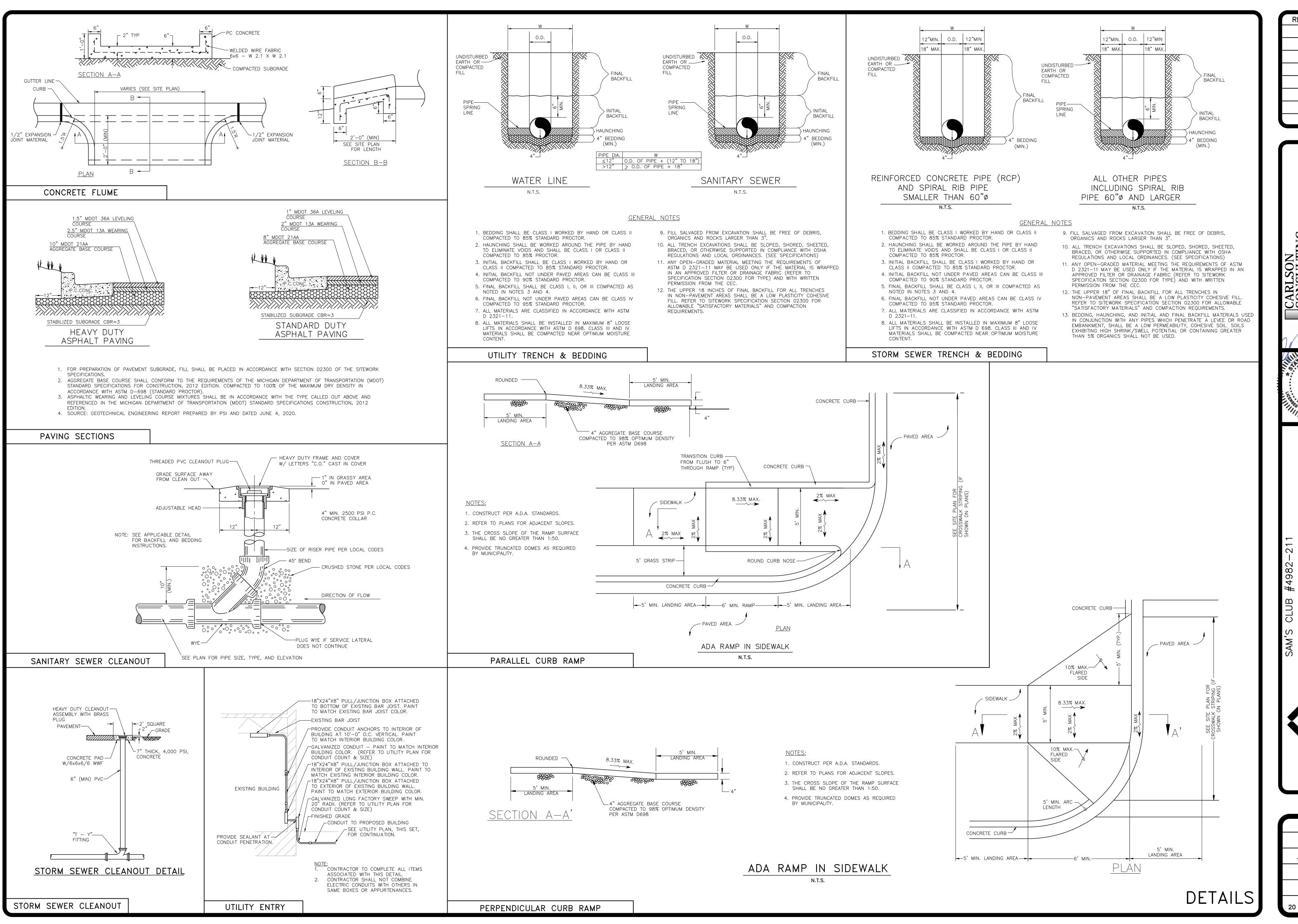
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CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OF COMPRETE THE CONTRACTOR MIST. ONLY THE APPROPRIATE OF THE CONTRACTOR MIST. COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY
COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST
EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES, APPURTENANCES AND IMPROVEMENTS WHICH CONFLICT WITH THE IMPROVEMENTS SHOWN BY THESE PLANS.

SEWER AND WATER SERVICE LINES PLAN & PROFILE





REVISIONS BY

ERS, INC.

MMONS
38133
FX. (901) 384-0710

CARLSON
CONSULTING
CONSULTING
ENGINEERS, INC
ZOGB LEDGESTONE COMMONS
BARILETT, TENNESSEE 38133
PH. (901) 384-0404 • FX. (901) 384-07

PARSLEY

ENGINEER

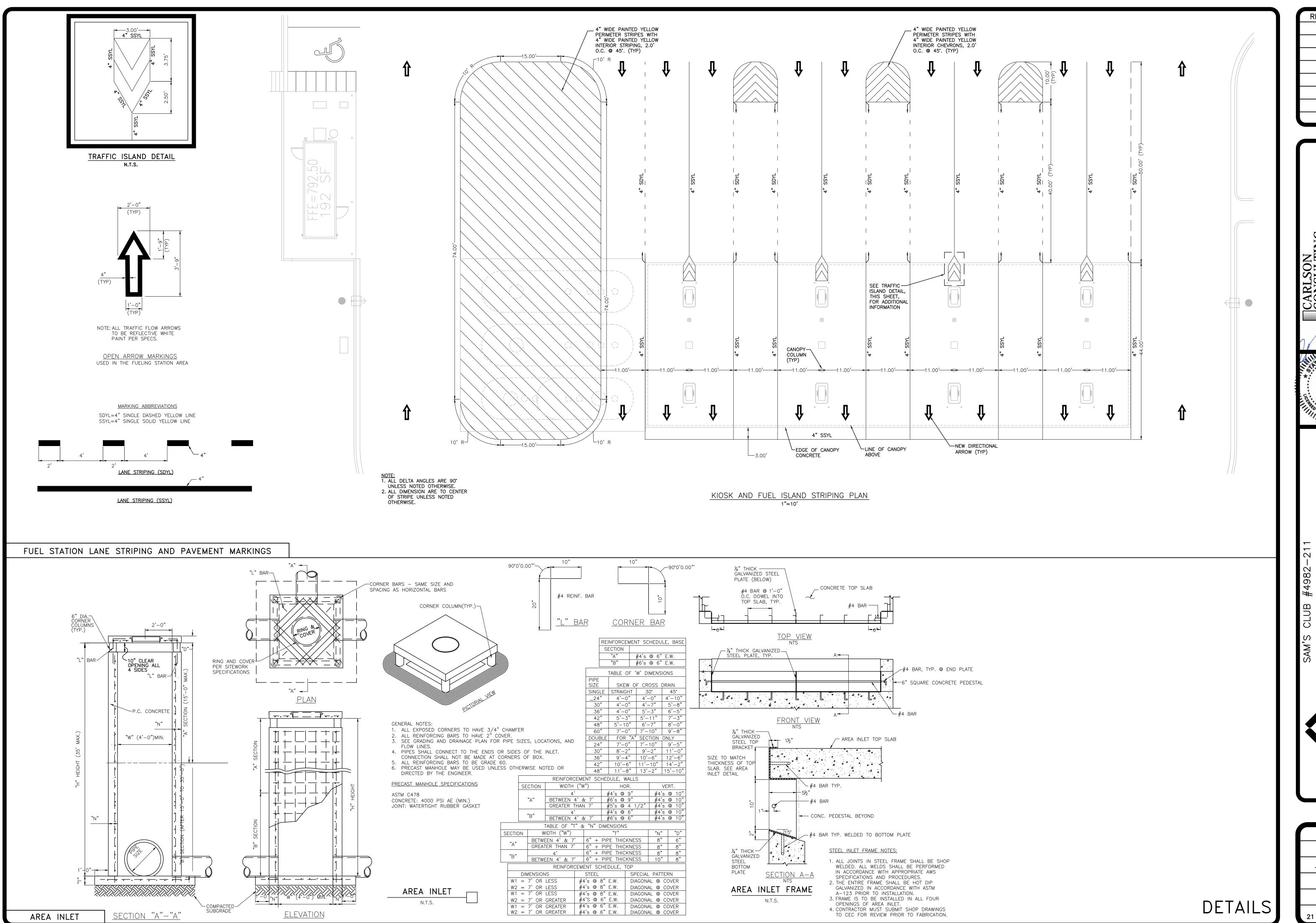
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SAM'S CLUB #4982-211
MT. PLEASANT, MICHIGAN
SAM'S REAL ESTATE BUSINESS
2101 SE SIMPLE SAVINGS DRIVE
BENTONVILLE, AR 72716

Sam's club

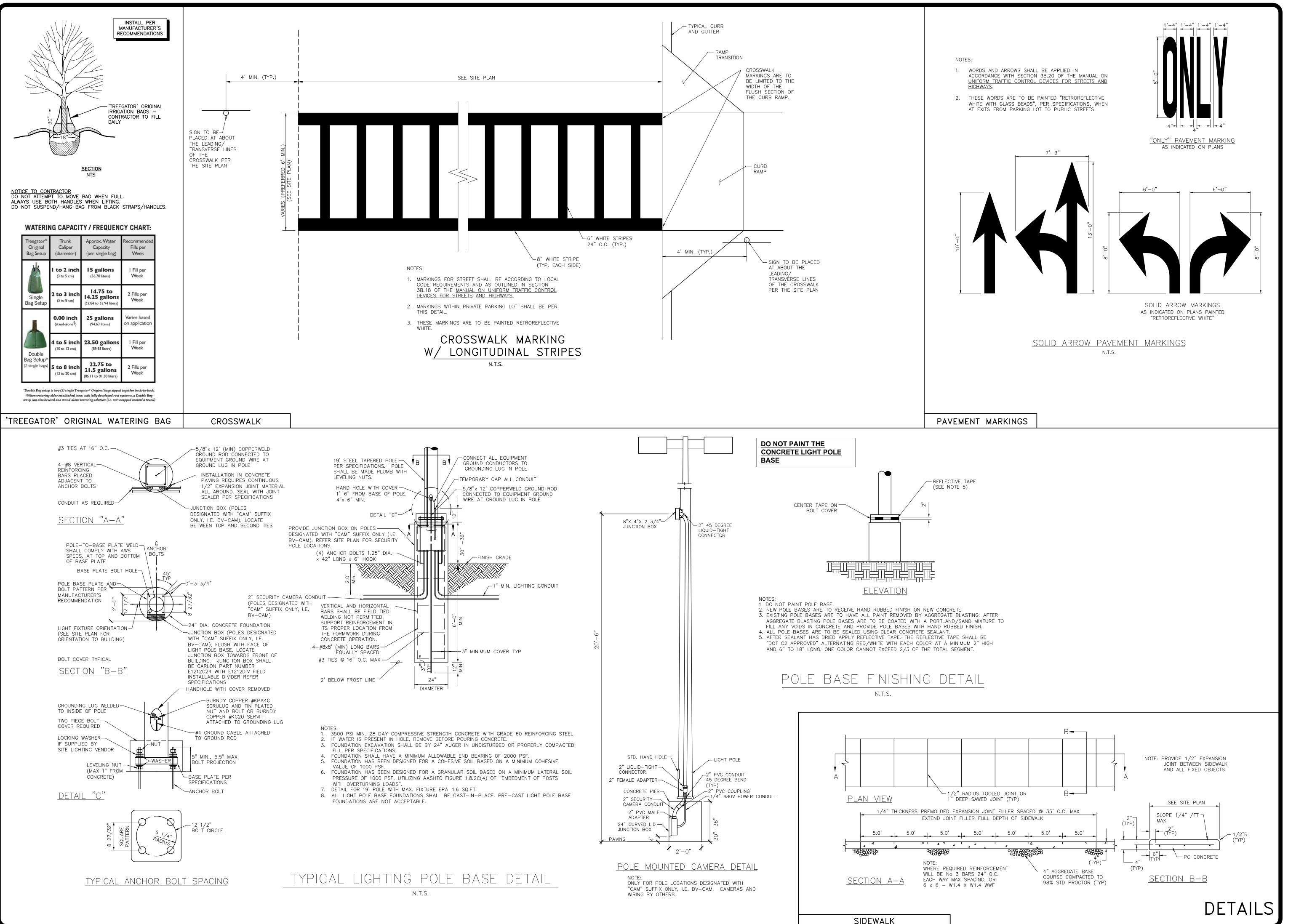
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JOSEPH PARSLEY

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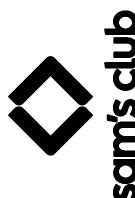
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MT. PLEASANT, MICHIGAN

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2101 SE SIMPLE SAVINGS DRIVE
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22 OF 22 SHEETS

<u>Draft Motions</u>: PSPR 20-02 Sam's Club Filling Station Preliminary Site Plan Review Application

MOTI	ON TO APPROVE:					
PSPR 2 Club f north distric requir	Motion by, supported by, to approve the PSPR 20-02 preliminary site plan from Carlson Consulting Engineers for the construction of a new Sam's Club filling station on parcel number 14-026-30-001-07, located on approximately 16.8 acres west and north of Encore Drive in the southwest quarter of Section 26 and in the B-5 (Highway Business) zoning district, finding that the December 3, 2020 site plan fully complies with the applicable Zoning Ordinance requirements for preliminary site plan approval, including Sections 14.2.P. (Required Site Plan Information) and 14.2.S. (Standards for Site Plan Approval).					
MOTION TO APPROVE WITH CONDITIONS:						
Motion by, supported by, to a PSPR 20-02 preliminary site plan from Carlson Consulting Engineers for the construction of a Club filling station on parcel number 14-026-30-001-07, located on approximately 16.8 acre north of Encore Drive in the southwest quarter of Section 26 and in the B-5 (Highway Busin district, finding that the December 3, 2020 site plan can comply with applicable Zoning requirements for preliminary site plan approval, including Sections 14.2.P. (Required information) and 14.2.S. (Standards for Site Plan Approval), subject to the following conditions						
1.	Provide the missing items of required information on the final site plan per Section 14.2.P. Update the parking, exterior lighting, sidewalk easement, and landscaping details on the final site plan to conform to Zoning Ordinance requirements.					
2.						
3.	As part of the final site plan submittal, provide the completed hazardous substance reporting for and EGLE permit checklist form from the application materials and documentation of complian with State of Michigan requirements for underground fuel tanks located less than 2,000 feet from municipal water wells.					
моті	ON TO POSTPONE ACT	ION:				
Motio	n by	, supported by	, to postpone action			
on the	PSPR 20-02 prelimina	ry site plan from Carlson Consulting Engineers	for the construction of a new			
		parcel number 14-026-30-001-07 until				
моті	ON TO DENY:					
filling of End finding requir	station on parcel numl fore Drive in the southy g that the December ements, including Sect approval), for the follow	, supported by	ely 16.8 acres west and north nway Business) zoning district, applicable Zoning Ordinance and 14.2.S. (Standards for Site			

Community and Economic Development Department



2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 232

SITE PLAN REPORT

TO: Planning Commission DATE: January 11, 2021

FROM: Peter Gallinat, Zoning Administrator **ZONING:** B-5 Highway Business District

PROJECT: PSPR 20-19 Preliminary Site Plan Approval application for The Den on Broomfield.

PARCEL(S): PID 14-103-00-001-00, 14-103-00-02-00, 14-103-00-006-00

OWNER(S): BSP Enterprises LLC

LOCATION: Approximately 3.37 acres located at the southwest corner of E. Broomfield Rd.

and Sweeney Rd Road in the NE 1/4 of Section 26.

EXISTING USE: Vacant Property **ADJ. ZONING:** B-5, B-4, R-3A and *CD-4, Student Dwelling (City)*

FUTURE LAND USE DESIGNATION: *Bluegrass Center Area.* While currently more auto-centric, this area has the potential to transition into a more walkable, vibrant center. Future uses should be integrated to include multi-story, mixed-use buildings; first floor retail and office uses; public use and spaces; entertainment and restaurant venues; and additional attached housing types such as townhouses. Both vehicular and pedestrian cross connections should be promoted between sites, providing for future connections through easements, and should collectively promote a vibrant, livable center to the neighboring university population.

ACTION REQUESTED: To review and take action to approve, deny, or approve with conditions the PSPR 20-19 preliminary site plan for The Den on Broomfield dated December 23, 2020 for two (2) mixed-use commercial-residential buildings located at the southwest corner of E. Broomfield Rd. and Sweeney Rd. in the NE 1/4 of Section 26 and in the B-5 (Highway Business) zoning district.

Site Plan Approval Process

Per Section 14.2.C. of the Zoning Ordinance, both preliminary site plan approval and final site plan approval are required for this project. Per Section 14.2.J., approval of a preliminary site plan by the Planning Commission "shall indicate its general acceptance of the proposed layout of buildings, streets, drives, parking areas, and other facilities and areas." Planning Commission approval of a final site plan "constitutes the final zoning approval for the project and allows for issuance of a building permit to begin site work or construction, provided all other construction and engineering requirements have been met" (Section 14.2.L.). Documentation of applicable outside agency permits and approvals will be required as part of a final site plan application.

Preliminary Site Plan Review Comments

The following comments are based on the standards for preliminary site plan approval and specific elements of the proposed site plan:

1. **Section 14.2.P.** (Required Site Plan Information). The following items of required information are missing, but the site plan is sufficiently complete for Planning Commission review and action. The following details (and all other items of required final site plan information per Section 14.2.P. of the Zoning Ordinance) will need to be addressed by the applicant as part of the final site plan submittal:

Missing Preliminary Site Plan Information	
Add a description to the site plan of applicant's intentions regarding selling or leasing of all or portions of land, dwelling units or building spaces.	
Add the gross and net dwelling unit density, lot area per dwelling unit, and a schedule of the number, sizes (bedrooms, floor areas), and types of dwellings to the site plan.	
Add the existing zoning classifications for the surrounding parcels, including across road rights-of-way.	
Add the owners' names, addresses, and existing uses on the surrounding parcels across the road rights-of-way from the subject parcels.	
Add the required yard setback dimensions to sheets 3 & 4 and correct the inaccurately depicted setbacks on the survey sheet.	
Identify the general location and area of each development phase and list the planned construction program and schedule for each development phase on the site plan.	
Add the proposed outdoor waste receptacle enclosure height to the site plan detail.	
Add the number of floors and gross and net floor area of proposed principal buildings to the site plan.	
Correct the measurement of the separation distance between the adjacent buildings to reference the closest points between the buildings.	
Incorporate the detailed exterior building façade elevation drawings for the proposed buildings into the final site plan set, rather than as a separate document.	
A general layout of proposed landscaping is missing from the preliminary site plan.	

- 2. Section 8 (Environmental Performance Standards). The following details will need to be addressed by the applicant as part of the final site plan submittal:
 - Application is missing the completed hazardous substance reporting form and EGLE permit checklist form included in the application materials. These completed forms will be required as part of the final site plan submittal.
- 3. **Section 9 (Off-Street Parking).** The parking calculations on the site plan do not match the applicable parking requirements of Zoning Ordinance and may be greater than required. Bicycle parking and a loading space are also required. **The following details will need to be addressed by the applicant as part of the final site plan submittal:**
 - Add a location of at least 1 loading space at least 10 feet wide by 50 feet in length with a 15-foot vertical clearance. This space should be located as conveniently as possible both for commercial uses and for residents of the development.
 - □ 40 Secured/Sheltered bicycle spaces and 2 Open Short-Term Bicycle parking spaces shall be required based on residential use.
 - ☐ For every 5,000 square feet of usable non-residential floor area an additional 1 Open

		Short -Term bicycle space shall be provided.		
		Per Section 6.24.E., a minimum of one (1) parking space per dwelling unit is required to be reserved for the occupants by use of signage, with details noted on the plan.		
		Correct and update the parking calculations to reference the:		
		 Section 9.2(D) requirements for multiple family residential (minimum 0.7 spaces per bedroom); Section 9.2(F) requirements for general retail sales (minimum 1 space per 200 square feet of usable non-residential floor area) and/or other specific parking standards based on the planned land uses; and Shared parking provisions in Section 9.2.B.5. 		
		Provide an as-recorded copy of the "40-foot service drive" easement documentation to show that a portion of the parking lot access improvements can be lawfully constructed on parcel 14-103-00-005-00, which is not owned by the applicant.		
		Add a cross-access connection to parcel 14-026-20-004-00 and a separate cross-access connection within the "40-foot service drive" to parcel 14-103-00-107-00 consistent with the requirement s of Section 9.2.B.6. and the applicable commercial development policies of the Master Plan.		
4.	Bro an Th	ection 7.10 (Sidewalks and Pathways). Applicant has provided sidewalks along E. roomfield road and a portion of Sweeney Road. The proposed sidewalk is 5 feet in width and the design is consistent with the Sidewalks and Pathways Ordinance requirements. The following sidewalk detail will need to be addressed by the applicant as part of the anal site plan submittal:		
		Add the missing section of required sidewalk along the Sweeney Road frontage of parcel 14-103-006-00.		
5.	ma inf all	ction 6.24 (Mixed-Use Buildings). The proposed buildings conform to the 35-foot eximum height requirement (Section 6.24.B.). Although some required items of ormation are missing, it is the determination of staff that the project can conform to applicable requirements of Section 6.24, provided that the following details are dressed by the applicant as part of the final site plan submittal:		
		Add a detailed use statement to the site plan describing proposed uses, including land or building areas for each use, number of units, number of anticipated residents and employees, and hours of operation for commercial uses. For this project, the statement will also need to specifically demonstrate compliance with the use-related provisions of Sections 6.24.C. & 6.24.D.		
		Include floor plans for all levels of the building in the final site plan set that demonstrate compliance with provisions of Sections 6.24.C., 6.24.D., and 6.24.F.		
6.		nsistency with the Master Plan. Mixed-use buildings are precisely the type of velopment intended for the Bluegrass Center Area, as detailed in the Master Plan.		

<u>Additional Comments for Preparation of the Final Site Plan</u>

7. **Outside agency approvals.** The applicant shall be responsible for obtaining all necessary permits or approvals from applicable outside agencies, prior to final site plan approval. These approvals include the Mt. Pleasant Fire Department, Isabella County Road Commission, and Storm Water approval from the Isabella County Drain office Isabella County Transportation Commission, and the Township Public Services Department.

Objective

The Planning Commission shall review the application materials and site plan, together with any reports and recommendations. The Planning Commission shall identify and evaluate all relevant factors and shall then take action by motion to approve the site plan, to approve the site plan with conditions, to deny the site plan application, or to postpone further consideration of the site plan to a date certain in accordance with Section 14.2.H. of the Zoning Ordinance.

Key Findings

- 1. The site plan is missing several items of required preliminary site plan information but is sufficiently complete for Planning Commission review.
- 2. If updated consistent with the details noted in this report, the preliminary site plan can fully conform to Section 14.2.S. (Standards for Site Plan Approval).
- 3. The proposed mixed-use buildings can fully conform to all applicable requirements of Section 6.24 (Mixed-Use Buildings), provided the missing details are provided as part of the site plan submittal.
- 4. The proposed buildings are the first project since the adoption of the new Master Plan that achieves the desired mixed-use development for the Bluegrass Center Area.

Recommendations

Based on the above findings, I would ask that the Planning Commission consider taking action to approve the PSPR 20-19 preliminary site plan for The Den on Broomfield, subject to the following conditions:

- 1. Provide the missing items of required application and site plan information as part of the final site plan submittal, including documentation of compliance with Section 6.24 (Mixed-Use Buildings) and Section 14.2.P. (Required Site Plan Information).
- 2. Revise the off-street parking, cross-access, loading area, and sidewalk details on the final site plan as necessary for compliance with Zoning Ordinance requirements.
- 3. All final site plan information shall be provided in a consolidated set without separate attachments or addendums, and with all sheets referenced on the cover sheet.
- 4. All three (3) parcels shall be combined into one (1) new development parcel prior to issuance of a building permit for the project.

Please contact me at (989) 772-4600 ext. 241, or via email at pgallinat@uniontownshipmi.com, with any questions about this information.

Respectfully submitted,

Peter Gallinat, Zoning Administrator

Community and Economic Development Department

Charter Township of Union

APPLICATION FOR SITE PLAN REVIEW

	Minor Site Plan Prelimination will contain all the information requir	· L	Final Site Plan	n Review).
Name of Proposed Dev		THE DEN OF BR	OOMFIELD	
Applicant's Name(s)	E	BSP ENTERPRISES		-
Phone/Fax numbers	(906) 225-1360	Email	Anupmgh@yahoo	o.com
Address	430 S. FIRST STREET	City:_	CARSON CITY	_ Zip: <u>_48811</u> _
Legal Description:	Attached	an Tax Parcel ID N	umber(s): 14-103-00-002-	00, 14-103-00-001-0 00
Existing Zoning: B-5	Land Acreage: 3.35 Exist	ting Use(s): AGR	RICULTURE / VACANT	ΓLAND
✓ ATTACHED: Letter of	lescribing the project and how it conform	ns to Section 14.2.S. (Star	ndards for Site Plan App	oroval)
Firm(s) or Individuals(s) who prepared site plan(s)	1. Name: CENTRAL MI SURVEYING & DEVELOGO 2. Address:	2257 E. BROOMFIEL SANT	LD ROAD State: MI	
Legal Owner(s) of Property. All persons having legal interest in the property must sign this application. Attach a separate sheet if more space is needed.	Signature: A.P. Blui	430 S. FIRST STREI	State: MI rest in Property: Phone: State: MI	Zip: 48811
I do hereby affirm that all the statements, signatures, descriptions, exhibits submitted on or with this application are true and accurate to the best of my knowledge and that I am authorized to file this application and act on behalf of all the owners of the property. False or inaccurate information placed upon this plan may be cause for revocation of any permits issued pursuant to site plan approval and/or removal of work installed. Approval of this plan shall not constitute the right to violate any provisions of the Zoning Ordinance or other applicable codes and ordinances. A. A. B. B. W. W. B. Signature of Applicant Date				
	Office Us	se Only		
Application Received B	y:		Fee Paid: \$	
Date Received:		Escrow Dep	osit Paid: \$	

Revised: 9/14/2020

Z O DEN

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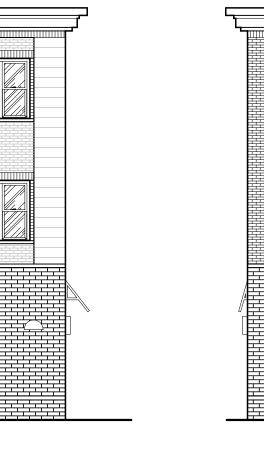
EXTERIOR ELEVATIONS



EAST ELEVATION



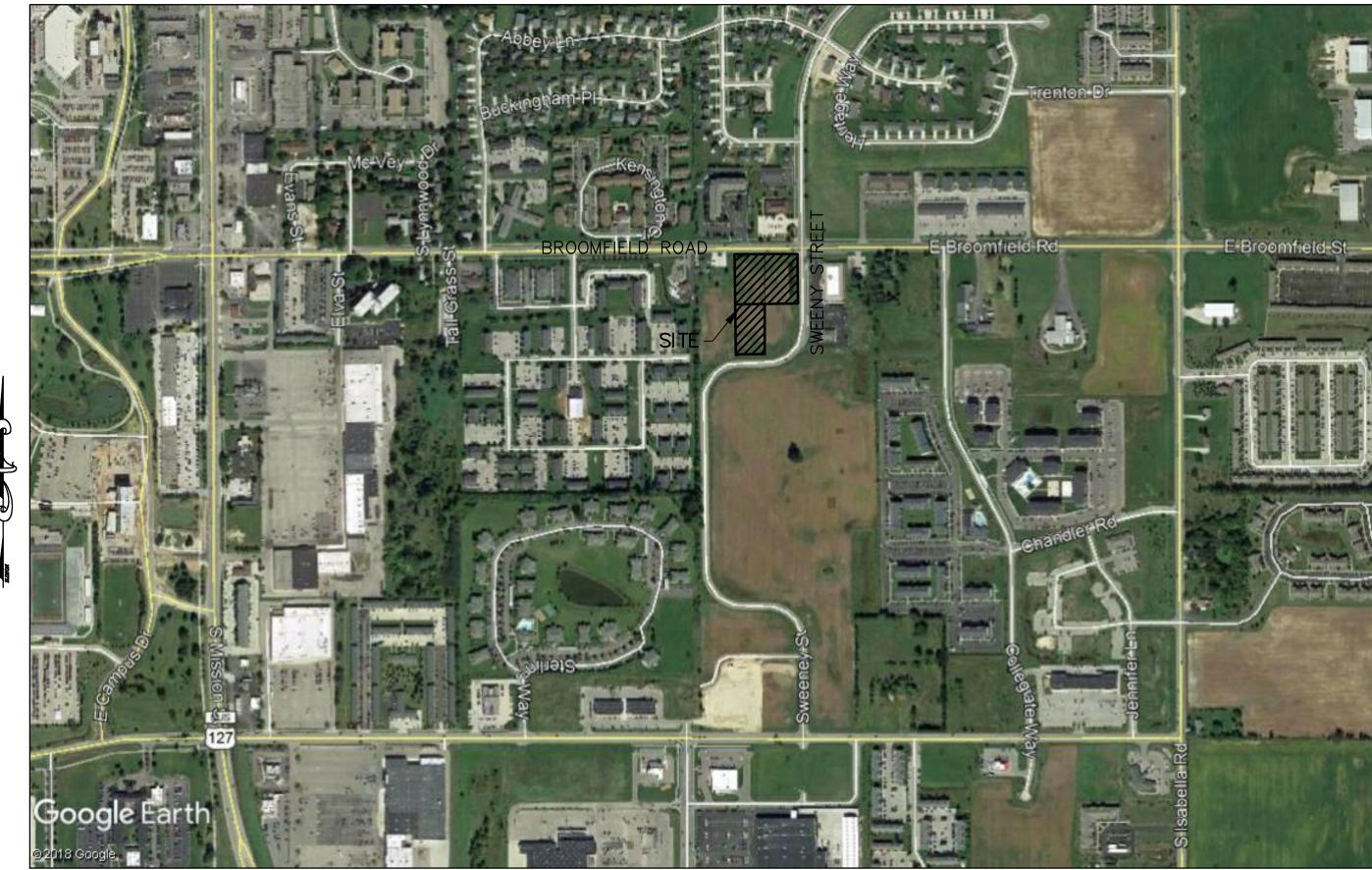
SIGNAGE



WEST ELEVATION

SIGNAGE

THE DEN ON BROOMFIELD



UNION TOWNSHIP, ISABELLA COUNTY, MICHIGAN LOCATION MAP

PART OF THE NORTHEAST 1/4, SECTION 26, T14N-R4W,

SHEET INDEX COVER SHEET EXISTING TOPOGRAPHY HORIZONTAL LAYOUT PLAN NORTH HORIZONTAL LAYOUT PLAN SOUTH HORIZONTAL DETAILS GRADING DETAILS GRADING PLAN NORTH GRADING PLAN SOUTH DETENTION AREA DETAIL STORMWATER PLAN SITE UTILITY PLAN SOIL EROSION PLAN WATERMAIN PLAN & PROFILE SANITARY SEWER PLAN & PROFILE WATERMAIN DETAILS

CONSULTANT:

PER GEODETIC OBSERVATION WGS-84 THE BEARING BETWEEN THE NORTH 1/4 CORNER AND THE NORTHEAST CORNER OF SECTION 26, T14N-R4W WAS DETERMINED TO BE N89°-55'-22"E

SITE:	NORTHWEST CORNER OF THE INTERSECT OF BROOMFIELD AND SWEENY STREET. MT. PLEASANT, MI 48858
CLIENT:	THE DEN ON BROOMFIELD B.S.P. ENTERPRISES, LLC 430 S. FIRST STREET

CARSON CITY, MI 48811 CONTACT: ANUPKUMAR K. PATEL PHONE: (906) 225-1360 EMAIN: Ànupmgh@yahoo.com

(989) 775-5012

CENTRAL MICHIGAN SURVEYING & DEVELOPMENT CO., INC. 2257 EAST BROOMFIELD ROAD MT. PLEASANT, MI 48858 CONTACT PERSON: TIMOTHY E BEBEE PHONE: (989) 775-0756

EMAIL: info@cms-d.com CHARTER COMMUNICATIONS 915 E. BROOMFIELD ROAD MT. PLEASANT, MI 48858 (989) 621-4932 RANDY BUNKER

1325 WRIGHT AVENUE ALMA, MI 48801 (989) 466-4282 KIM STUDT kimberly.studt@cmsenergy.com

FRONTIER 345 PINE STREET ALMA, MI 48801 (989) 463-0392 MARK A. MARSHALL Mark.Marshall@ftr.com

rbunker@chartercom.com

CONSUMERS ENERGY

DTE ENERGY 4420 44TH ST., S.E., SUITE B KENTWOOD, MI 49512 (616) 954-4623 MARÝ JO MCKERSIE mckersiem@dteenergy.com

MT. PLEASANT FIRE DEPARTMENT 804 EAST HIGH STREET MT. PLEASANT, MI 48858 (989) 779-5100 EXT 5122 SGT. RANDY KEELER rkeeler@mt-pleasant.org

CHARTER TOWNSHIP OF UNION PUBLIC WATER/PUBLIC SEWER 2010 N. LINCOLN ROAD MT. PLEASANT, MI 48858 (989) 772-4600 EXT 24 KIM SMITH ksmith@uniontownshipmi.com

CONSTRUCTION DETAILS

CHARTER TOWNSHIP OF UNION PLANNING & ZONING 2010 NORTH LINCOLN ROAD MT. PLEASANT, MI 48858 (989) 772-4600 EXT 241 PETER GALLINAT pgallinat@uniontownshipmi.com

DRAIN COMMISSIONERS OFFICE ISABELLA COUNTY BUILDING 200 NORTH MAIN STREET ROOM 140 MT. PLEASANT, MI 48857 (989) 772-0911 ROBÉRT WILLOUGHBY

JOB NU
1810DRAWN
BTM
DESIGNE
N/A
CHECKE

ISABELLA COUNTY ROAD COMMISSION 2261 EAST REMUS ROAD MT. PLEASANT, MI 48858 (989) 773-7131 EXT 115 PATRICK GAFFNEY PGaffney@isabellaroads.com

drain@isabellacounty.org

DESCRIPTIONS	PROVIDED:	(TITLE	POLICY	NO.	5011400-22050

UNITS 1, 2 AND 6 OF TALLGRASS COMMONS CONDOMINIUM, A COMMERCIAL SITE CONDOMINIUM ACCORDING TO THE MASTER DEED THEREOF RECORDED IN LIBER 1439, PAGES 451-520, INCLUSIVE, AND FIRST AMENDMENT RECORDED NOVEMBER 3, 2009 IN LIBER 1499, PAGES 887-894 INCLUSIVE, AND SECOND AMENDMENT RECORDED MARCH 24, 2010 IN LIBER 1511, PAGES 824-830 INCLUSIVE, AND DESIGNATED AS ISABELLA COUNTY CONDOMINIUM SUBDIVISION PLAN NO. 54, WITH RIGHTS IN GENERAL COMMON ELEMENTS AND LIMITED COMMON ELEMENTS, AS SET FORTH IN SAID MASTER DEED AND AMENDMENTS AND AS DESIGNATED IN ACT 459 OF THE PUBLIC ACTS OF MICHIGAN OF 1978 AS AMENDED.

MINIMUM LOT FRONTAGE MINIMUM LOT AREA (SQ FT) MAXIMUM BUILDING HEIGHT MAXIMUM LOT COVERAGE (%)

MINIMUM FRONT YARD SETBACK

MINIMUM SIDE YARD SETBACK

MINIMUM REAR YARD SETBACK

B-5 ZONE

A. THE DEPTH OF THE LOT SHALL NOR EXCEED FOUR

NO BUILDING OF STRCTURE SHALL EXCEED A HEIGHT OF TWO AND ONE-HALF STORIES OF THIRTY-FIVE FEET, EXEPT, THAT SILOS, ELEVATORS, BARNS AND OTHER STRUCTURES CUSTOMARILY NECESSARY TO FAMING SHALL HAVE A MAXIMUM HIGHT OF NINETY-NINE FEET, PROVIDED THAT ANY REQUIRED SETBACK SHALL BE INCREASED BY ONE FOOT FOR EACH FOOT THAT THE STRUCURE EXCEEDS

THIRTY-FIVE FEET. C. SIDE YARDS FACING A STREET SHALL COMPLY WITH FRONT YARD SETBACK REQUIREMENTS.

MISS DIG:

FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CALL "MISS DIG" 1-800-482-7171 A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY EXCAVATION. ALL "MISS DIG" PARTICIPATING MEMBERS WILL BE APPROPRIATELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

50 FT (A,B)

20 FT (B)

25 FT (A,B)

100 FT

16,000 SQ FT

30%

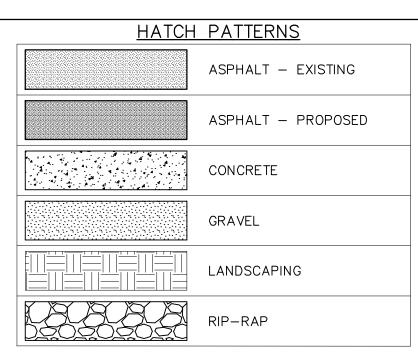
UTILITY NOTE:

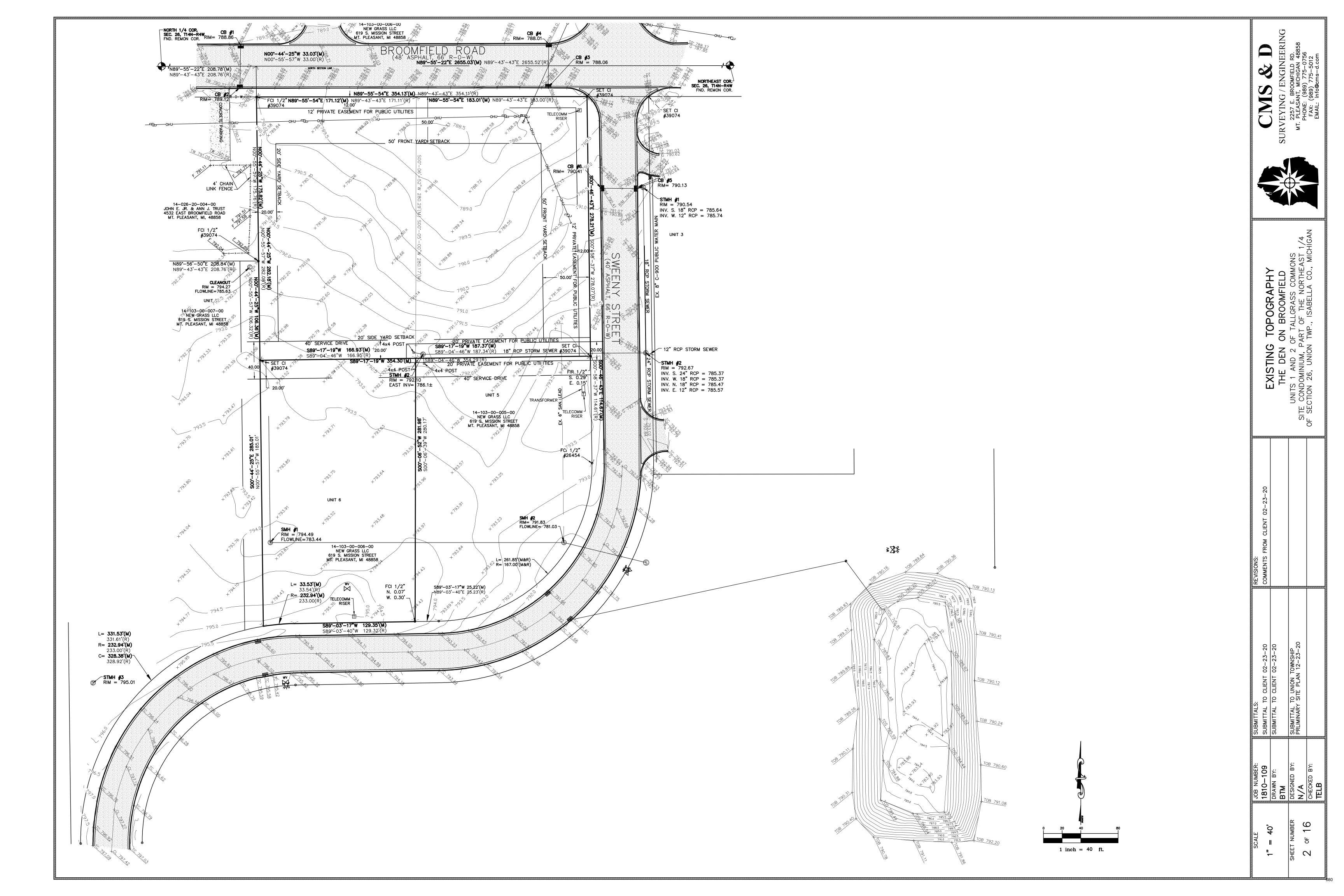
THE UTILITY LOCATIONS AS HEREON SHOWN ARE BASED ON FIELD OBSERVATIONS AND A CAREFUL REVIEW OF MUNICIPAL AND UTILITY COMPANY RECORDS. HOWEVER, IT IS NOT POSSIBLE TO DETERMINE THE PRECISE LOCATION AND DEPTH OF UNDERGROUND UTILITIES WITHOUT EXCAVATION. THEREFORE, WE CANNOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE BURIED UTILITY INFORMATION HEREON SHOWN. THE CONTRACTOR SHALL CALL "MISS DIG" (1-800-282-7171) PRIOR TO ANY EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THESE UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND SHALL MAKE EVERY EFFORT TO PROTECT AND OR RELOCATE THEM AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER/SURVEYOR AS SOON AS POSSIBLE IN THE EVENT A DISCREPANCY IS FOUND. UNDERGROUND SERVICE LEADS FOR GAS, ELECTRIC, TELEPHONE AND CABLE MAY BE ACROSS PROPERTY, NO INFORMATION AVAILABLE PLEASE CALL MISS DIG.

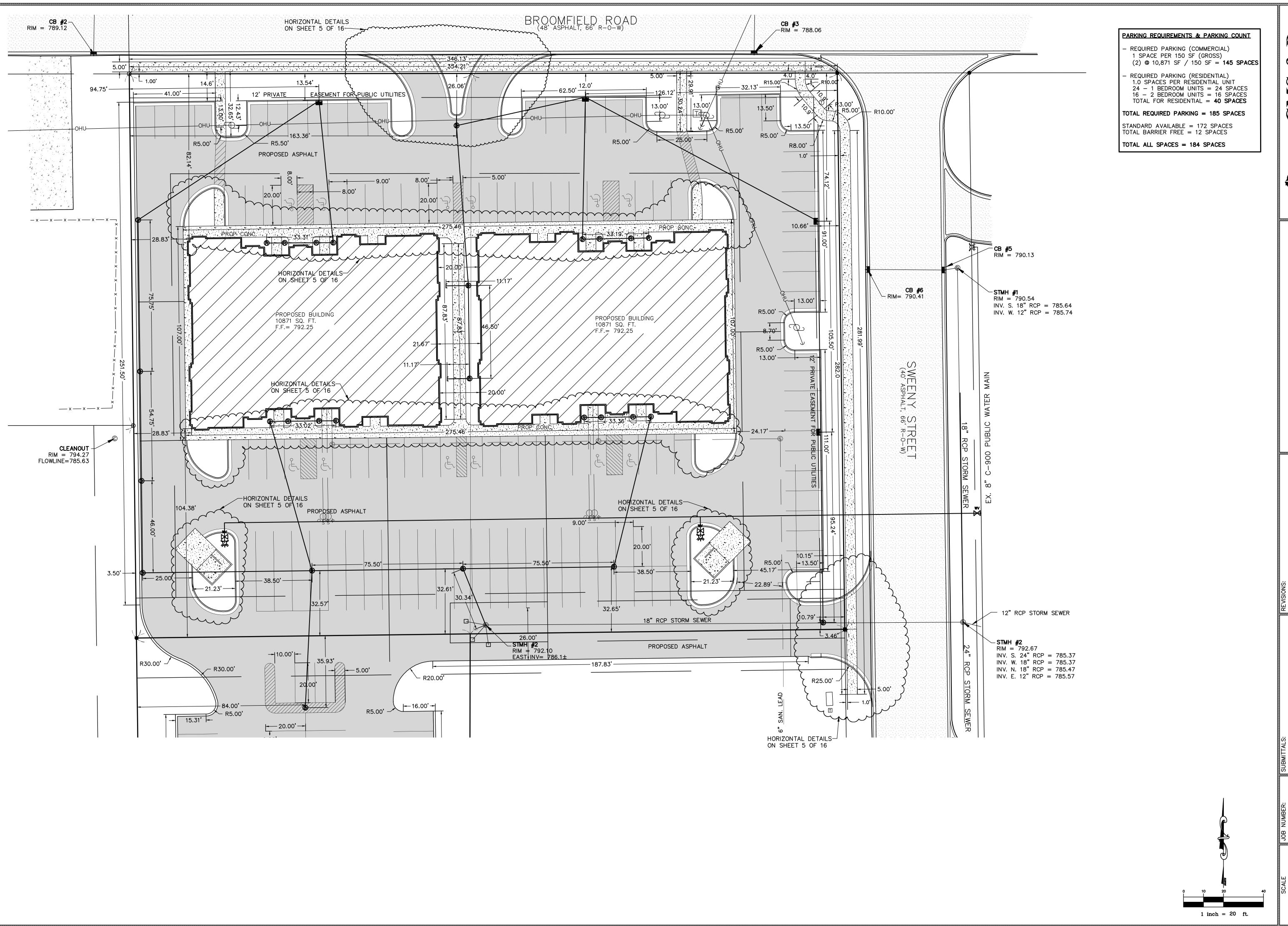
LEGEND **SYMBOLS O** BOLLARD GAS RISER SOIL BORING i CATCH BASIN (CURB INLET) □ → GUY ANCHOR STORM SEWER MANHOLE HYDRANT - EXISTING TELEPHONE RISER TREE - CONIFEROUS CATCH BASIN (SQUARE) 💓 HYDRANT — PROPOSED CLEAN OUT LIGHT POLE UTILITY POLE MAILBOX ⇒ DRAINAGE FLOW ELECTRICAL BOX M | MONITORING WELL WATER MAIN VALVE FOUND CONC. MONUMENT SANITARY SEWER MANHOLE WATER SHUT-OFF FOUND IRON ● SET IRON WATER WELL SIGN WOOD STAKE 🏹 GAS MAIN VALVE

<u>LINE</u>	TYPES
ELEC	BURIED ELECTRICAL CABLE
PHONE-	BURIED TELEPHONE CABLE
DITCH-CL-	CENTERLINE OF DITCH
	FORCE MAIN
GAS	GAS MAIN
RD-CL	ROAD CENTERLINE
8" SAN	SANITARY SEWER
12" SS	STORM SEWER
—— — EX-TOS— — —	TOE OF SLOPE
EXTOB	TOP OF BANK
OHEOHE	UTILITIES - OVERHEAD
UTIL	UTILITIES - UNDERGROUND

—12" WM——— WATER MAIN







ZONTAL PLAN NORTH
DEN ON BROOMFIELD
AND 2 OF TALLGRASS COMMONS

THE DEN ON BROOMFIELD
UNITS 1 AND 2 OF TALLGRASS COMMONS
SITE CONDOMINIUM, PART OF THE NORTHEAST
SECTION 26, UNION TWP., ISABELLA CO., MIC

23–20
COMMENTS FROM CLIENT 02–23–20

23–20

VSHIP
VSHIP
-23–20

OF SECTI

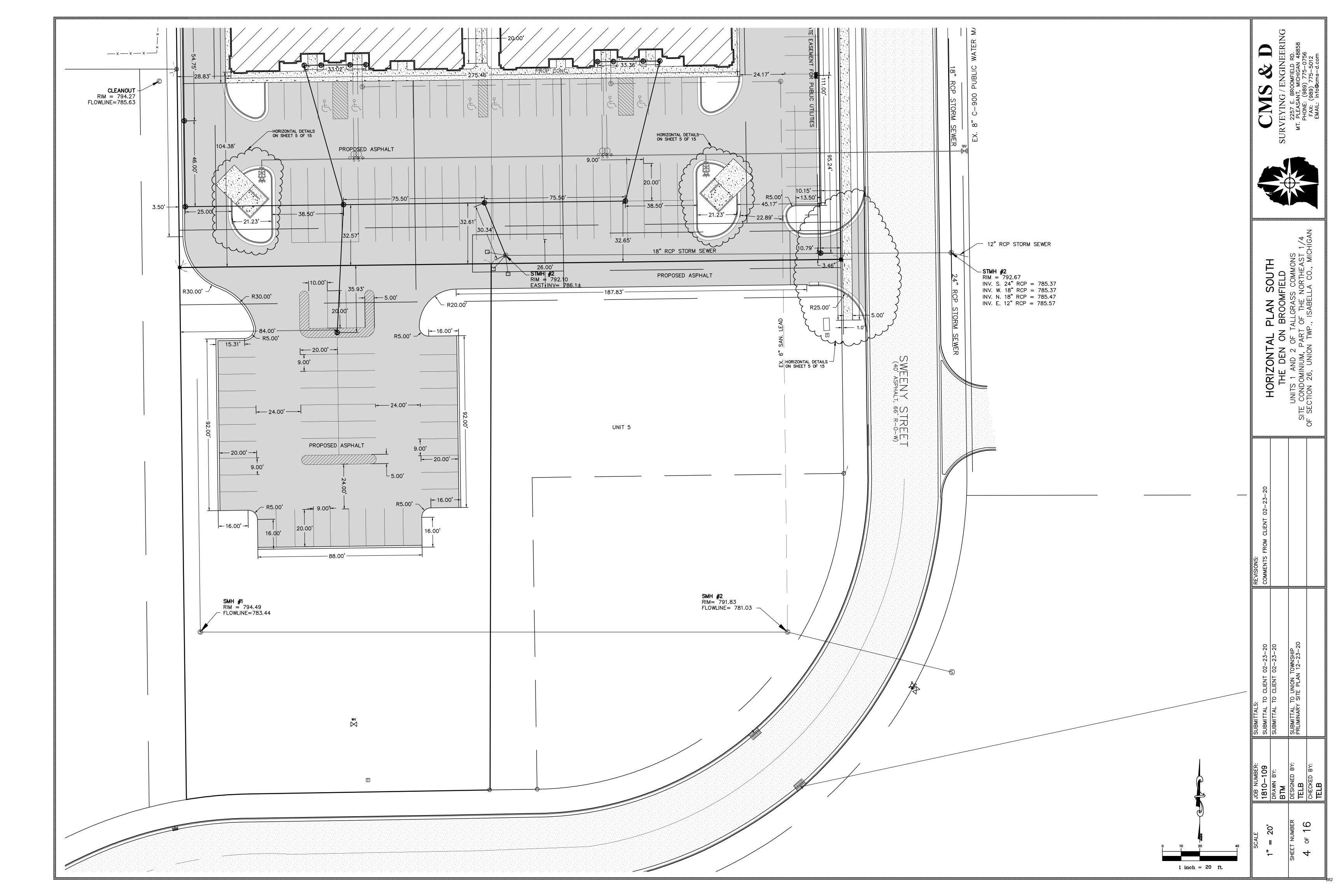
1" = 20° DRAWN BY:

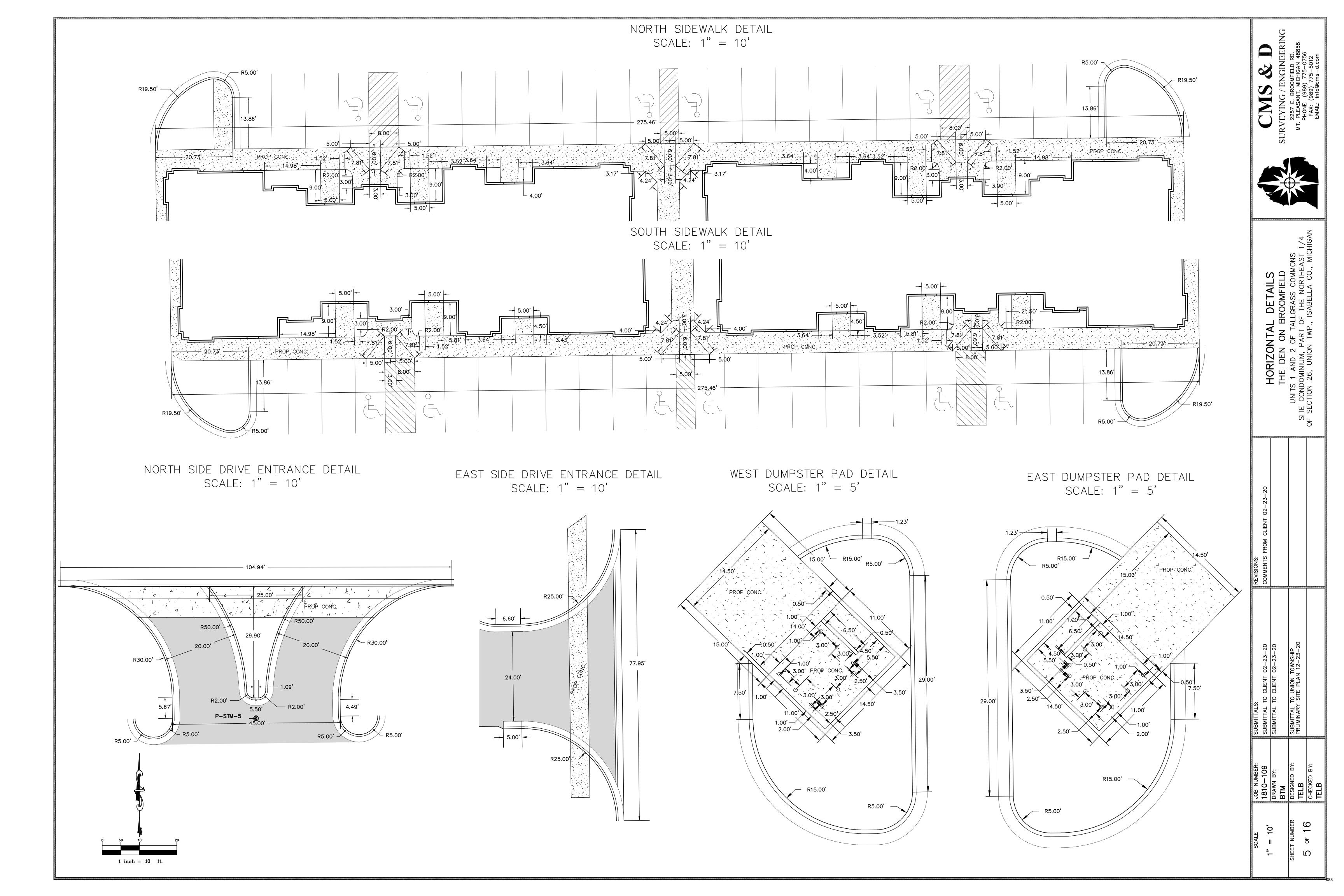
BTM

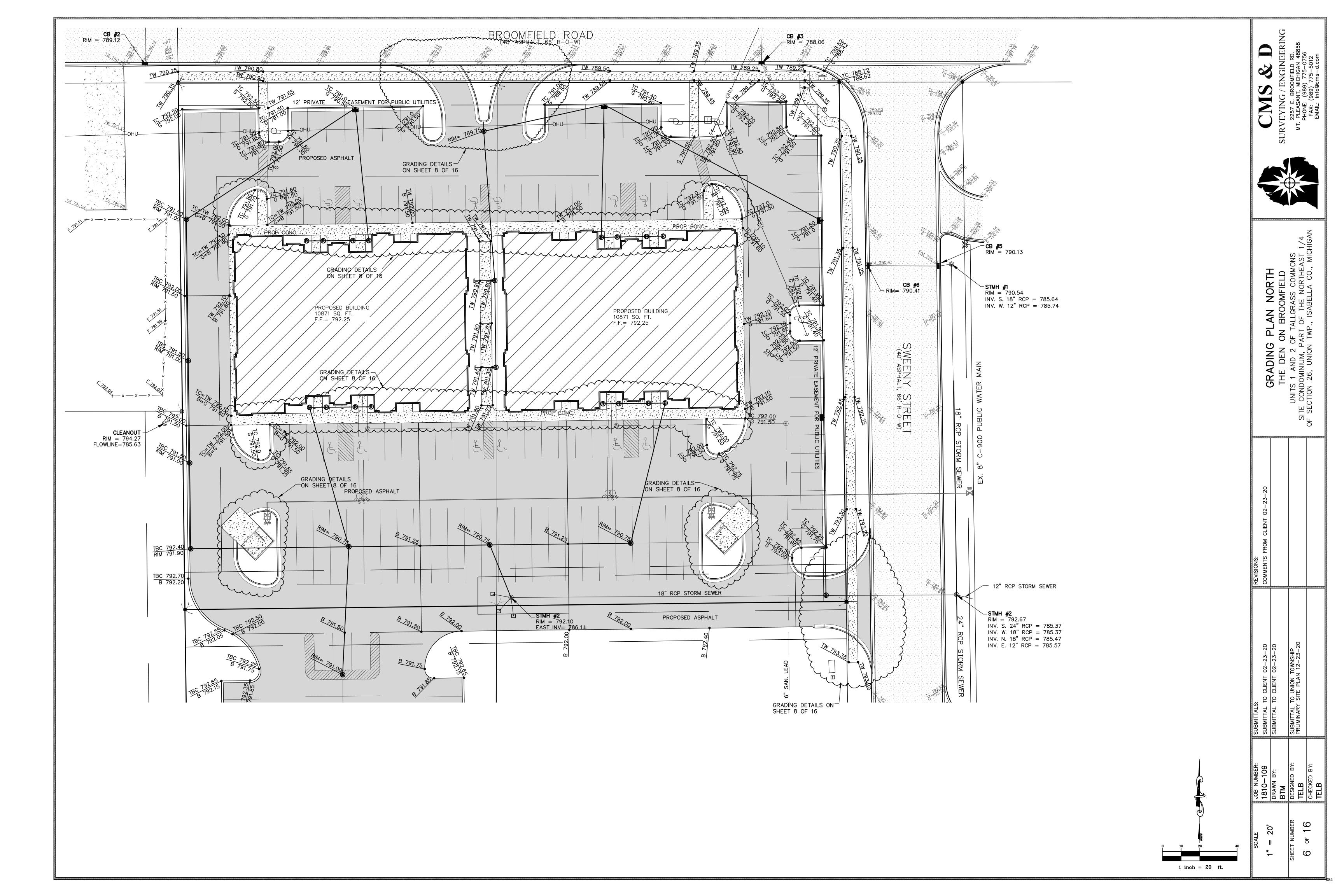
SHEET NUMBER DESIGNED BY:

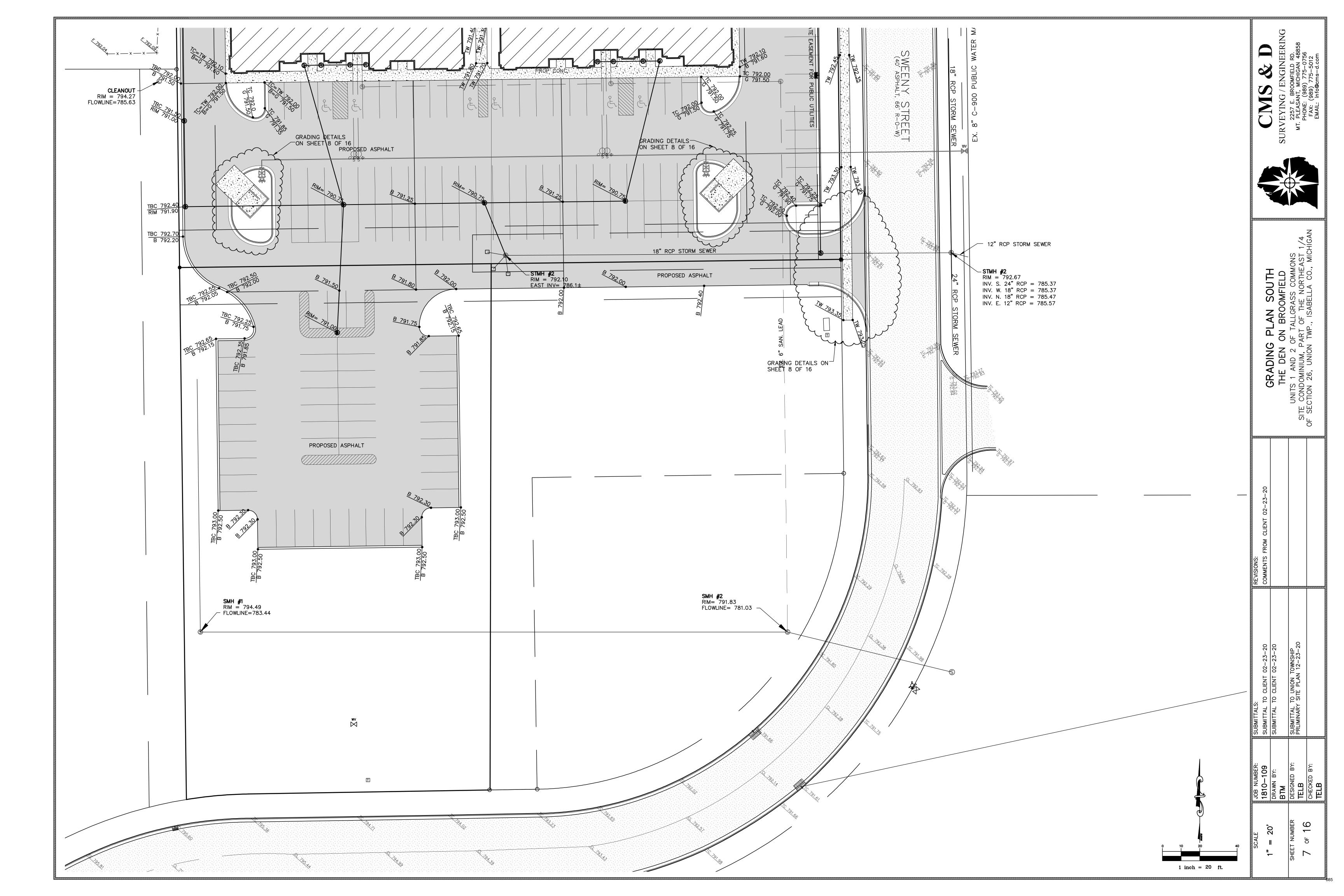
TELB

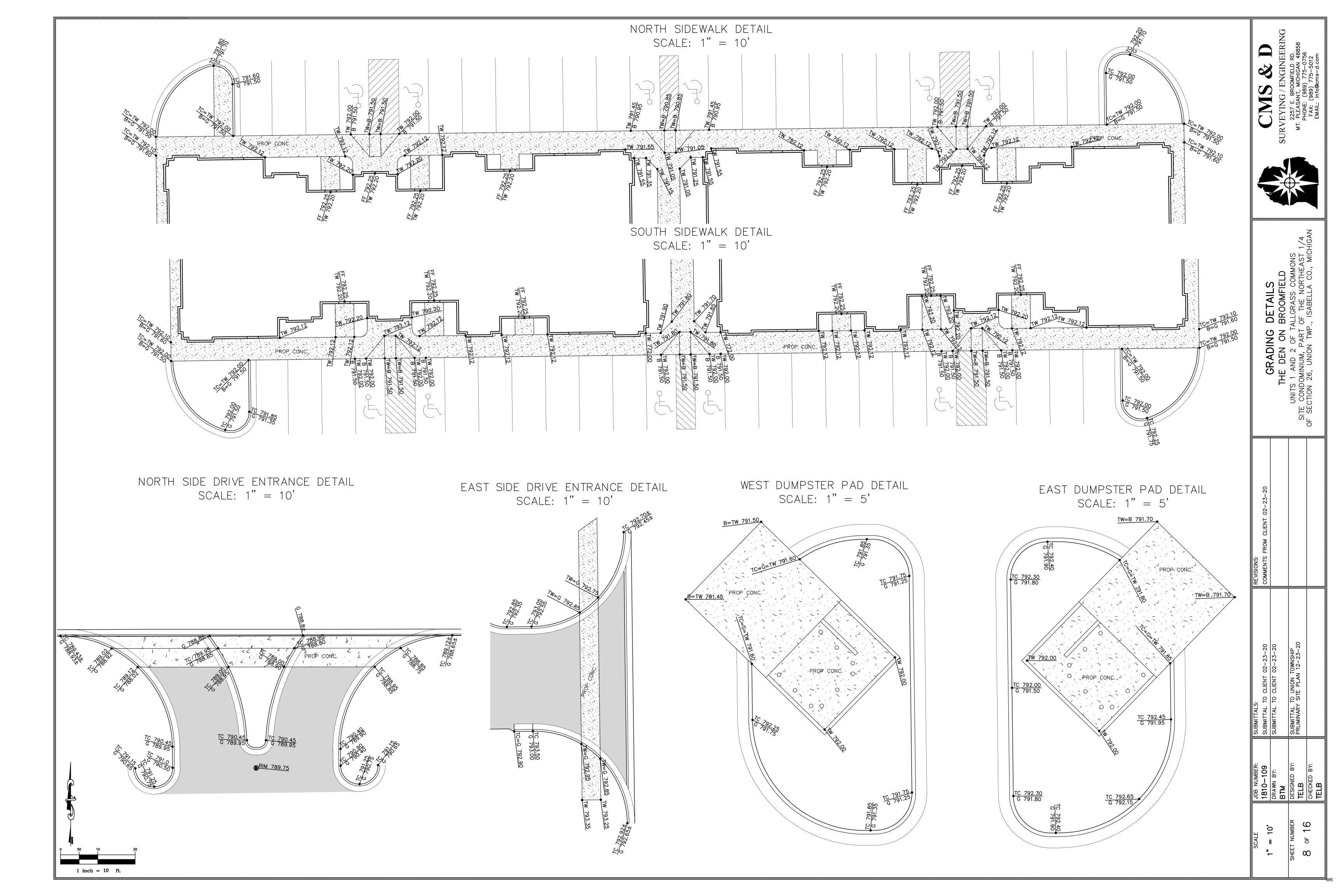
GUECKEN BX:

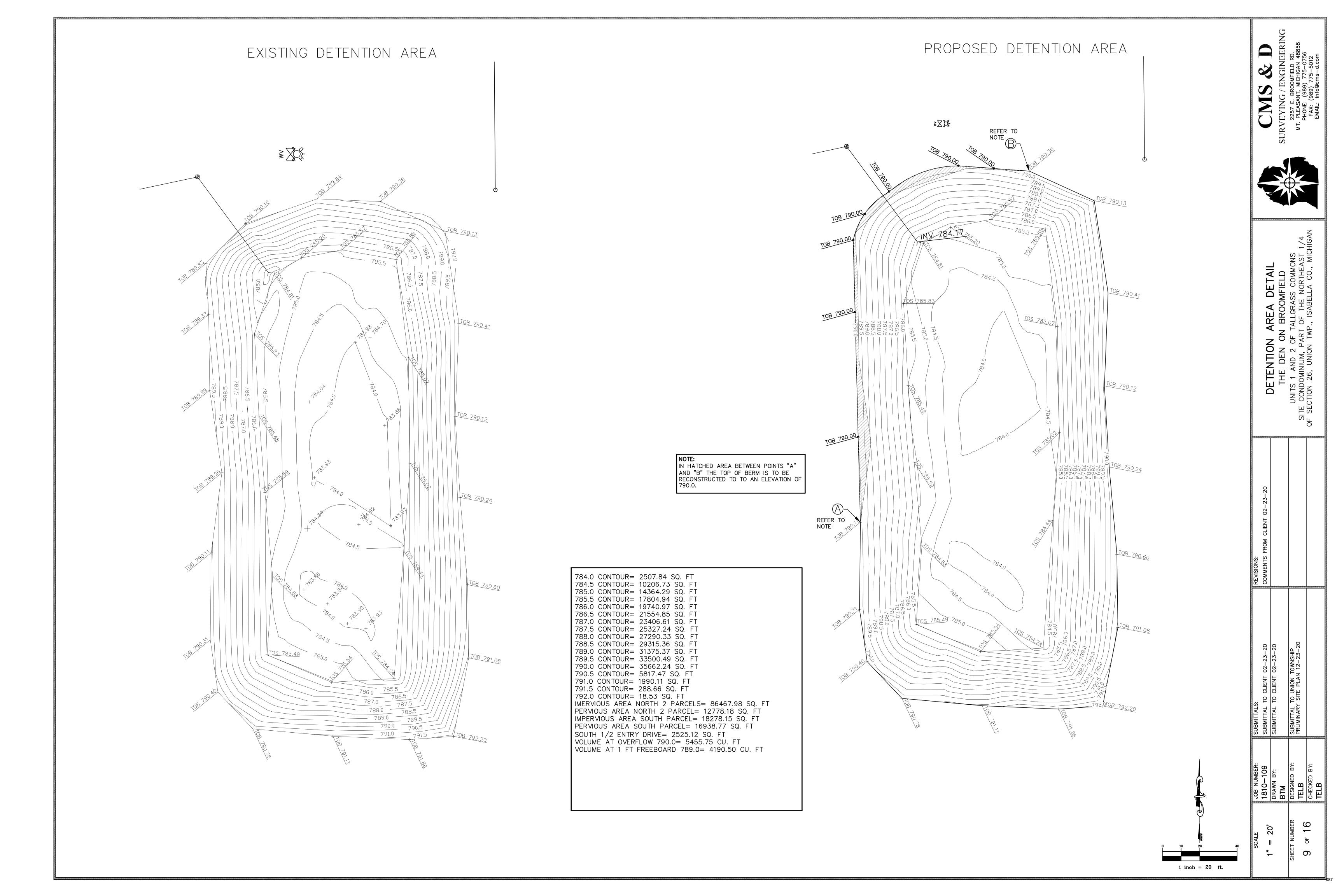


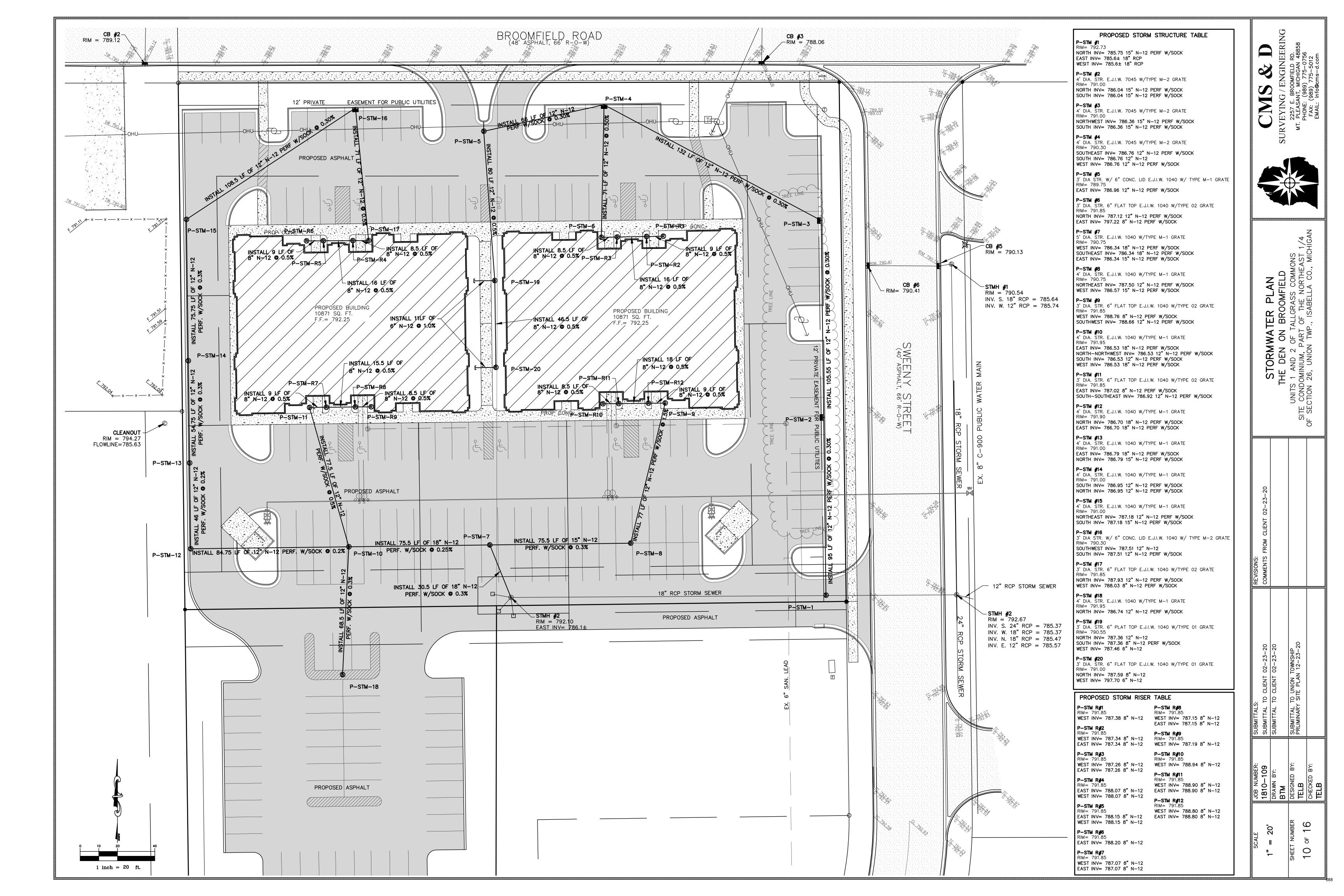


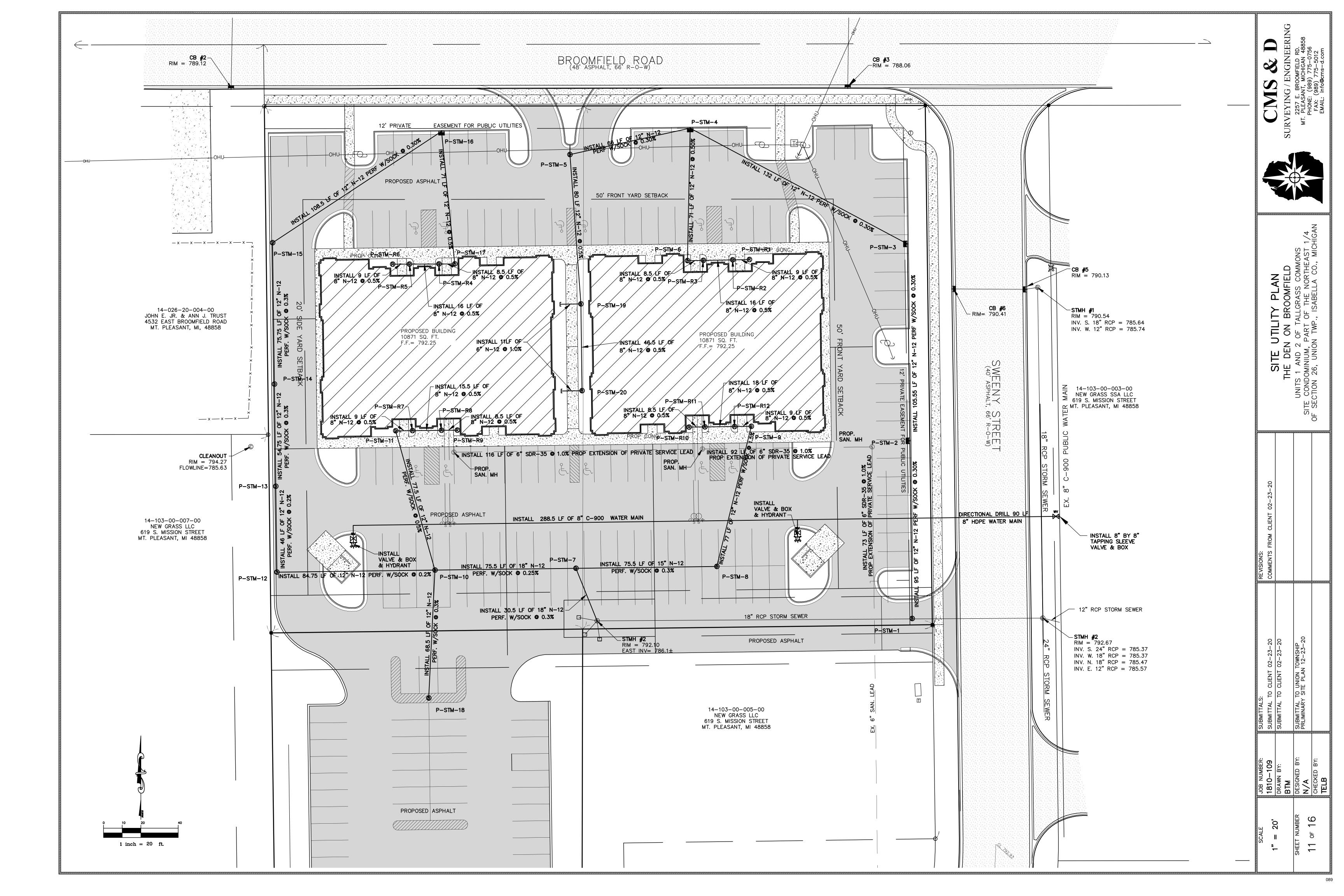


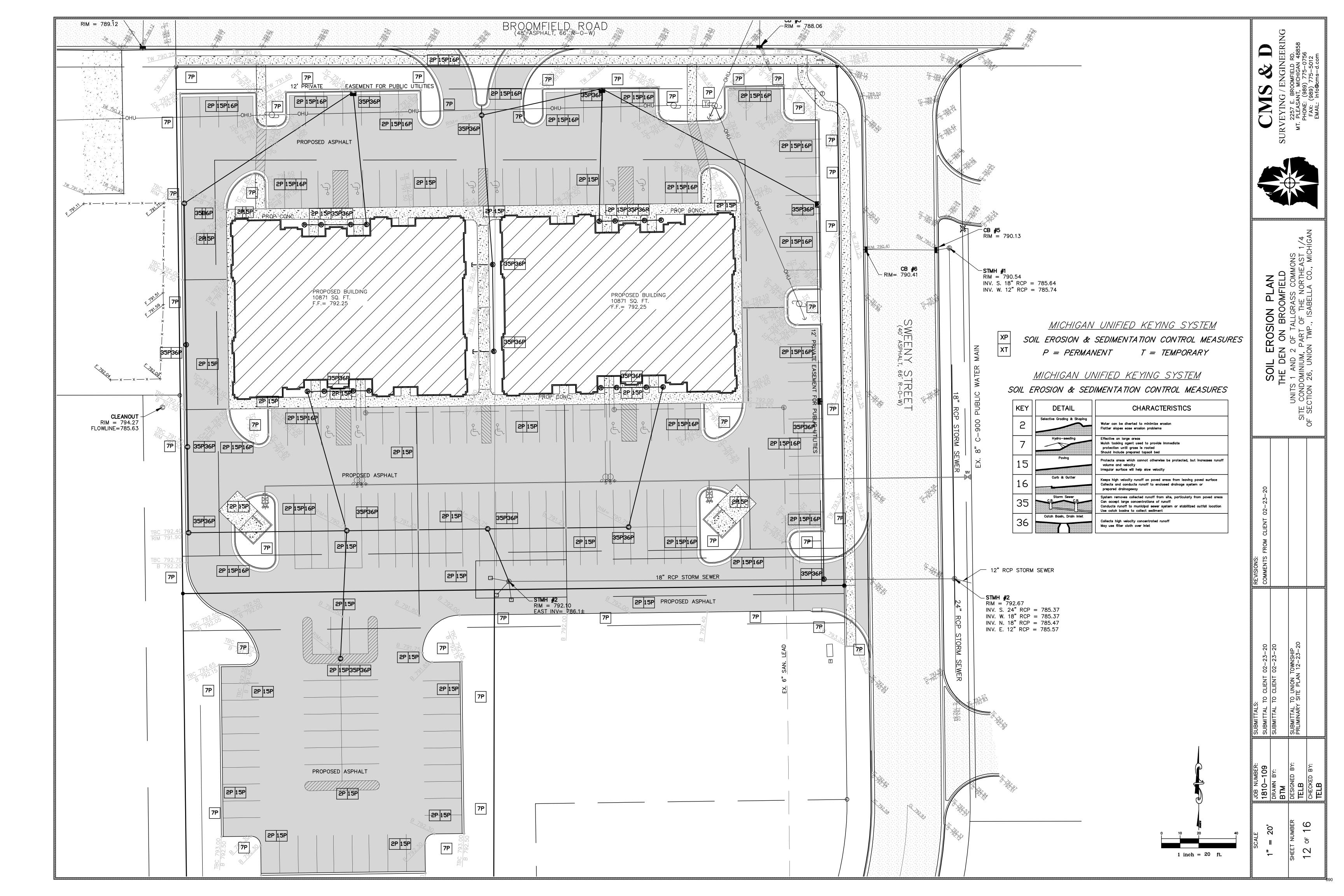


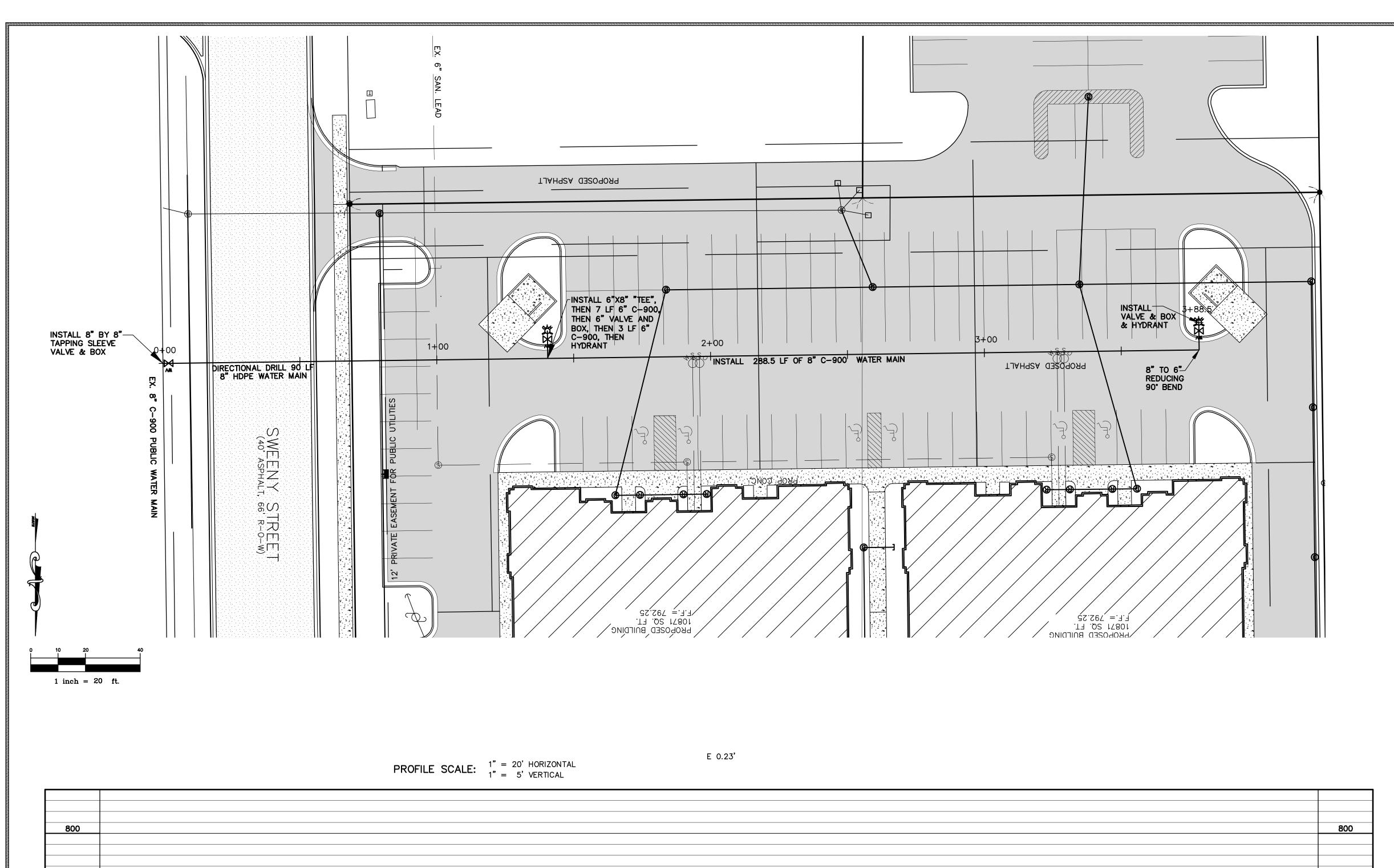


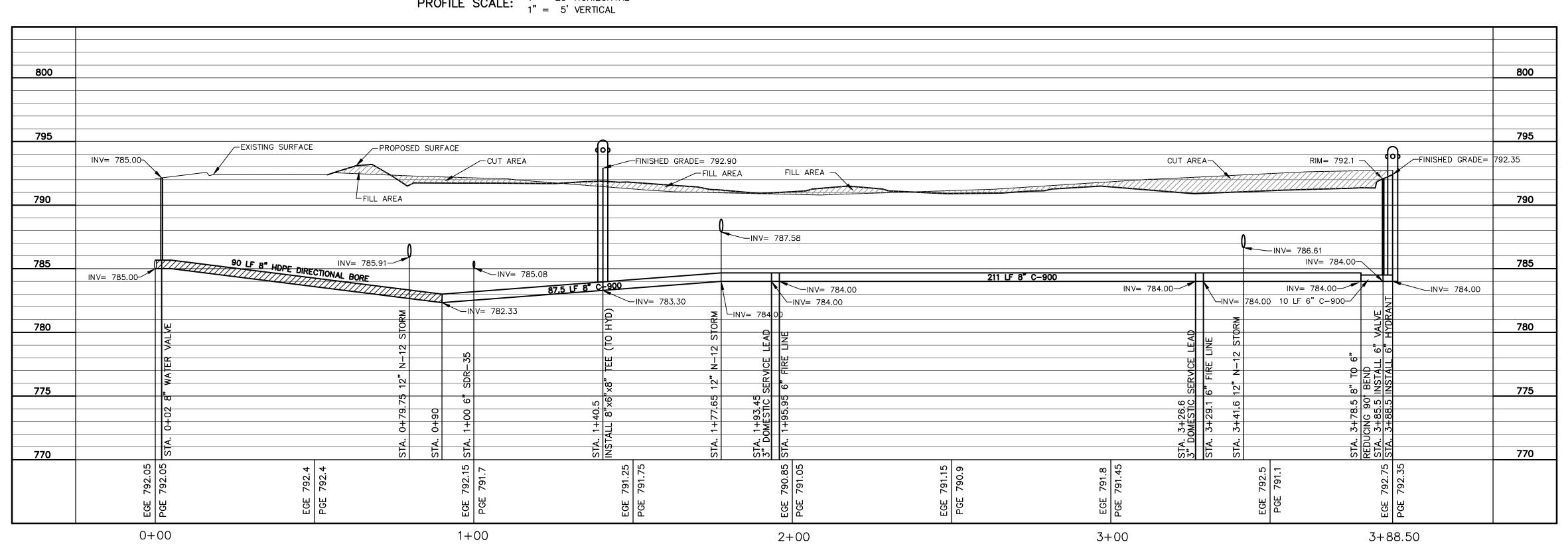














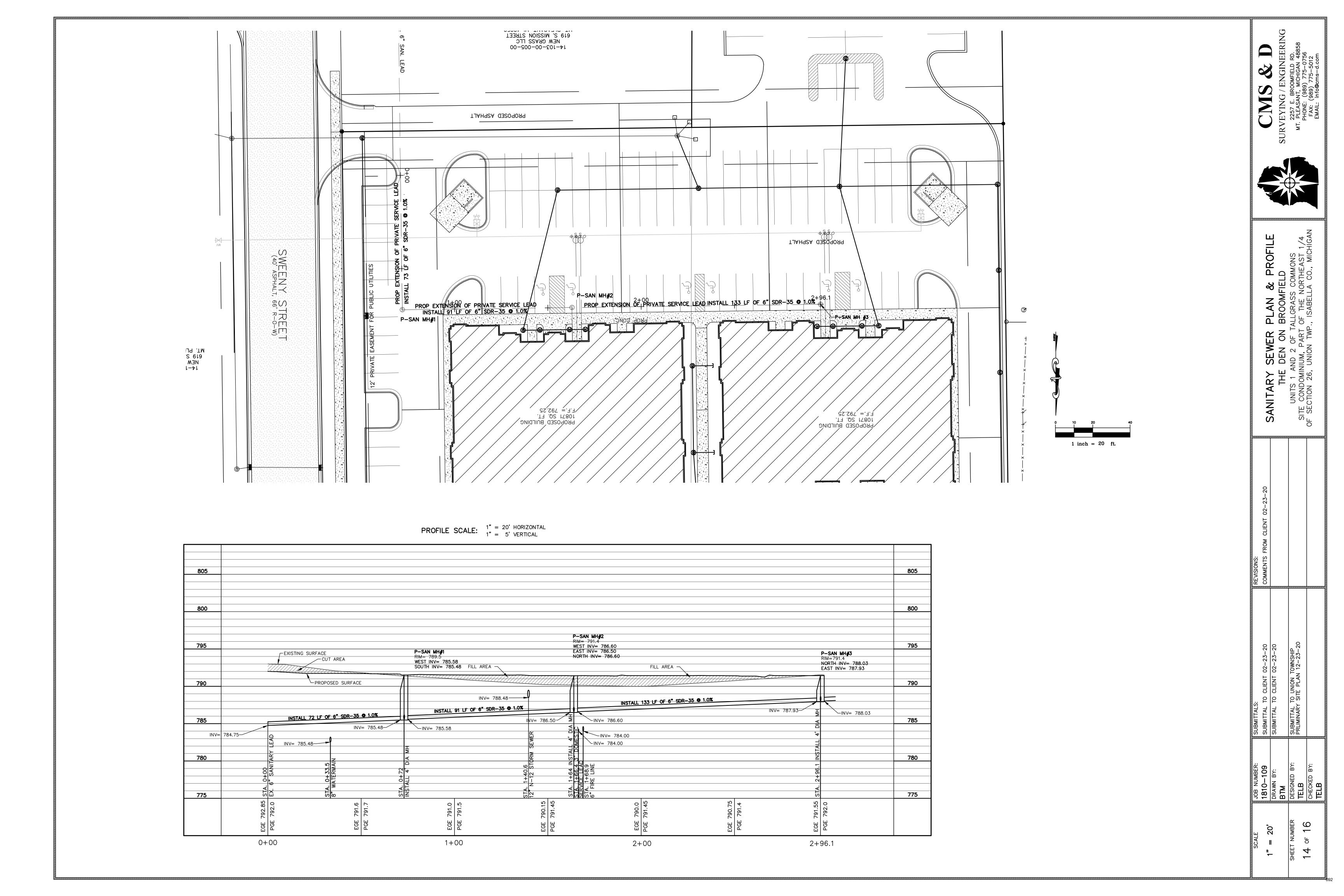
WATERMAIN PLAN & PROFILE

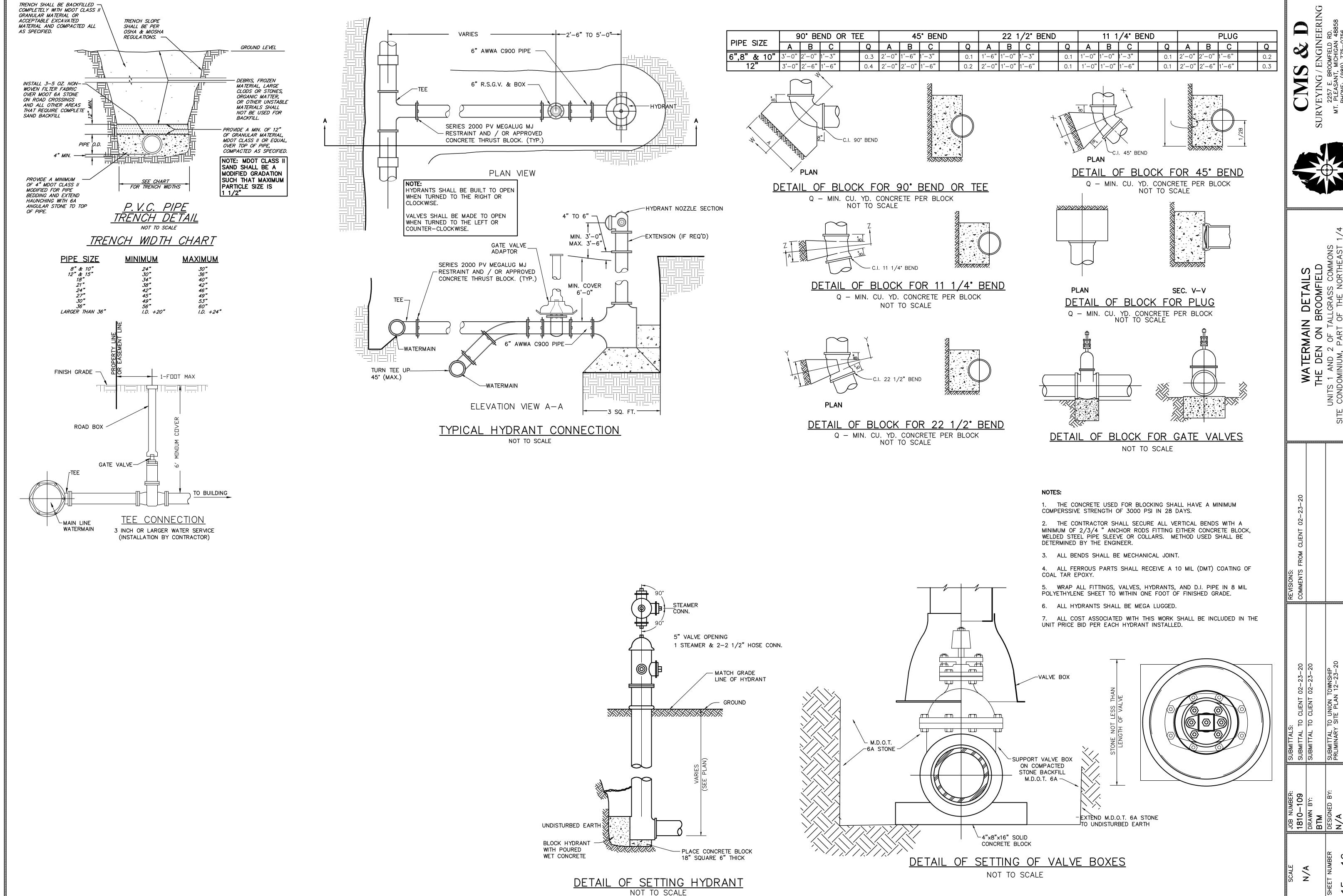
THE DEN ON BROOMFIELD

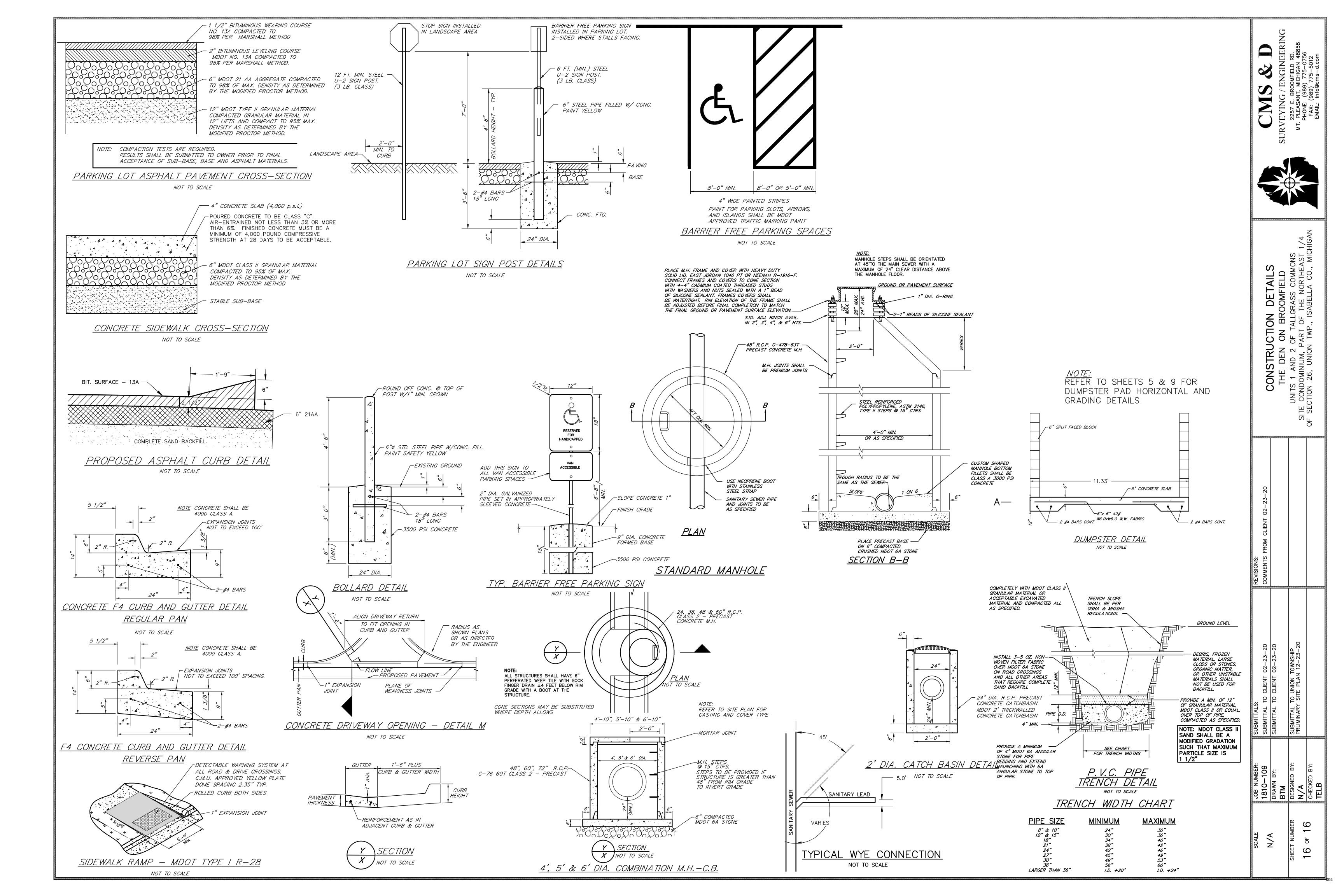
UNITS 1 AND 2 OF TALLGRASS COMMONS

SITE CONDOMINIUM, PART OF THE NORTHEAST 1/4

OF SECTION 26, UNION TWP., ISABELLA CO., MICHIGAN







<u>Draft Motions</u>: PSPR 20-19 The Den on Broomfield Preliminary Site Plan Review Application

моті	ON TO APPROVE:				
PSPR comm Road the D prelim	Motion by, supported by, to approve the PSPR 20-19 preliminary site plan from B.S.P. Enterprises LLC for The Den on Broomfield mixed-use commercial-residential buildings located at the southwest corner of E. Broomfield Road and Sweeney Road in the northeast quarter of Section 26 and in theB-5 (Highway Business) zoning district, finding that the December 23, 2020 site plan fully complies with the applicable Zoning Ordinance requirements for preliminary site plan approval, including Sections 14.2.P. (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval).				
моті	ON TO APPROVE WITH CONDITIONS:				
PSPR comm Road the D prelim	on by, supported by, to approve the 20-19 preliminary site plan from B.S.P. Enterprises LLC for The Den on Broomfield mixed-use nercial-residential buildings located at the southwest corner of E. Broomfield Road and Sweeney in the northeast quarter of Section 26 and in theB-5 (Highway Business) zoning district, finding that becember 23, 2020 site plan can comply with applicable Zoning Ordinance requirements for ninary site plan approval, including Sections 14.2.P. (Required Site Plan information) and 14.2.S. dards for Site Plan Approval), subject to the following condition(s):				
1.	Provide the missing items of required application and site plan information as part of the final site plan submittal, including documentation of compliance with Section 6.24 (Mixed-Use Buildings) and Section 14.2.P. (Required Site Plan Information).				
2.	Revise the off-street parking, cross-access, loading area, and sidewalk details on the final site plan as necessary for compliance with Zoning Ordinance requirements.				
3.	. All final site plan information shall be provided in a consolidated set without separa attachments or addendums, and with all sheets referenced on the cover sheet.				
4.	All three (3) parcels shall be combined into one (1) new development parcel prior to issuance of a building permit for the project.				
моті	ON TO POSTPONE ACTION:				
	on by, to postpone action e PSPR 20-19 preliminary site plan from B.S.P. Enterprises LLC for The Den on Broomfield mixed-use nercial-residential buildings until				
моті	ON TO DENY:				
20-19 reside north Decer Section	preliminary site plan from B.S.P. Enterprises LLC for The Den on Broomfield mixed-use commercial-ential buildings located at the southwest corner of E. Broomfield Road and Sweeney Road in the east quarter of Section 26 and in theB-5 (Highway Business) zoning district, finding that the mber 23, 2020 site plan does not comply with applicable Zoning Ordinance requirements, including ons 14.2.P. (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval), for the ving reasons:				



Community and Economic Development Department

2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 232

PARKS AND RECREATION MASTER PLAN UPDATE

TO: Planning Commission DATE: January 12, 2020

FROM: Rodney C. Nanney, AICP. Community and Economic Development Director

PROJECT: Updates needed to the Township's 2010 "Master Plan for Parks and Recreation"

Background Information

A five-year Parks and Recreation Master Plan is a tool to direct the acquisition, funding, development, and improvement of Township-maintained recreational facilities, and is one of the important "planning documents," along with the Township's Master Plan for Future Land Use, that guide development activity in the Township. If prepared and adopted in accordance with the "Guidelines for the Development of Community Park, Recreation, Open Space and Greenway Plans" established by the Michigan Department of Natural Resources (MDNR), an up-to-date Parks and Recreation Plan also ensures that the Township is eligible for state recreation grants.

In accordance with state guidelines, a local parks and recreation master plan is valid for grant funding eligibility for a period of five (5) years from adoption. The Township's current plan is out-of-date, as it was adopted on December 8, 2010. A copy of the document is included in the mailed meeting packet for your review and is also available on the Township's website under Charter Township of Union Community Information > Parks (uniontownshipmi.com).

The Board of Trustees included funds in the FY2021 budget to update the document. The previous (2010) document was developed by Prof. Al Ellard from Central Michigan University under the guidance of a special appointed "Recreation Committee." Dr. Ellard has since retired and the university's Department of Recreation, Parks and Leisure Services Administration no longer participates in these types of projects.

Updates to the 2010 plan are proposed to be developed by the Community and Economic Development Director under the guidance of the Planning Commission, and with input from the public and from Public Services Department staff members with responsibility over the Township's park facilities.

Summary of the Parks and Recreation Plan Update Project

The Parks and Recreation Master Plan includes an inventory of existing recreational facilities, identification of deficiencies, establishment of Township recreation goals and objectives, recommendations for improvements, and identification of potential funding sources and an administrative structure to serve the recreational needs of Township residents. The plan should

also include consideration of opportunities to partner with regional organizations and adjacent jurisdictions. The following is a summary of the anticipated elements of this project:

Parks and Recreation Master Plan Update Project

Project Initiation by Staff

Prepare a tentative project schedule

Prepare Community Profile

Inventory Recreation Facilities

Evaluate Existing Recreation Resources

Identify/Describe/Analyze Deficiencies

Public Participation Elements

Public meetings of the Planning Commission

Survey? (online and/or by mail)

Recreation Planning Workshop? (electronic meeting or in-person)

Public display/availability of updated Parks and Recreation Master Plan documents for review (on the Township's website and at the Township Hall)

Planning Commission and Board of Trustees public hearings on the updated Parks and Recreation Master Plan

Plan Preparation

Describe Administration and Funding

Identify/Describe Outside Funding Sources

Establish Recreation Goals

Staff preparation of updated Parks and Recreation Master Plan materials

Planning Commission review of draft plan elements, with revisions as needed by staff

Preparation of an updated draft plan for public review and comment and public hearings

Adoption

Publication of a Notice of Availability and public display of the updated Parks and Recreation Master Plan on the Township website and at the Township Hall (minimum 30-day "display period")

Planning Commission recommendation of the updated Parks and Recreation Master Plan to the Board of Trustees (after a public hearing)

Board of Trustees review of the updated Parks and Recreation Master Plan and Planning Commission recommendations

Board of Trustees consideration and adoption of the updated Parks and Recreation Master Plan by resolution (after a second public hearing)

Filing of the adopted Parks and Recreation Master Plan with the Michigan Dept. of Natural Resources (MDNR) for grant funding eligibility, and with other outside agencies consistent with MDNR guidelines

The project is anticipated to take eight to eleven months to complete, including provisions for public participation, hearings, and the final MDNR review.