

DEPARTMENT OF PLANNING, BUILDING & ZONING

111 West Fox Street • Room 203 Yorkville, IL • 60560

(630) 553-4141

Fax (630) 553-4179

Petition 21-50 Tim Raymond on Behalf of TMF Plastic Solutions, LLC Site Plan Approval

BACKGROUND AND INTRODUCTION

The Petitioner would like to construct an approximately twenty thousand six hundred thirty (20,630) square foot addition to the north and east of the existing approximately forty-five thousand six hundred ninety-two (45,692) square foot building located on Parcel One of the subject property. The proposal also calls for a stormwater pond north of the proposed addition. The addition will consist of two (2) new loading docks on the on the southeast side of the addition.

Section 13:10 of the Zoning Ordinance requires site plan review for structures on properties zoned M-1.

The property has been zoned M-1 since 1966.

The property received site plan approval for the construction of an approximately thirty-four thousand (34,000) square foot storage facility in 2008.

The application material is included as Attachment 1. The site plan is included Attachment 2. The civil plan is included as Attachment 3. The plat of survey is included as Attachment 4. The photometric plan is included as Attachment 5. The building elevations are included as Attachment 6. The aerial is included as Attachment 7. A letter addressing various concerns is included as Attachment 8.

SITE INFORMATION

PETITIONER: Tim Raymond on Behalf of TMF Plastic Solutions, LLC

ADDRESS: 12127 Galena Road, Unit B

LOCATION: Approximately 0.3 Miles East of Jeter Road on the North Side of Galena Road



TOWNSHIP: Little Rock

PARCEL #: 01-01-200-002

LOT SIZE: 6.00 +/- Acres

EXISTING LAND Offices and Warehouse of a Plastics Business

USE:

ZONING: M-1 Limited Manufacturing District

Land Use

LRMP: Future Rural Estate Residential (Max Density 0.45 DU/Acre)

Roads Galena Road is County maintained Major Collector Road.

Trails The County has a trail planned along Galena Road.

Floodplain/ There is no floodplain on the property. There are no wetlands on

Wetlands the property.

REQUESTED

ACTION: Site Plan Approval

APPLICABLE Section 13:10 - Site Plan Approval

REGULATIONS:

SURROUNDING LAND USE

Location	Adjacent Land Use	Zoning within ½ Mile		
North	Single-Family Residential/Wooded	A-1 BP	Rural Estate Residential (Max Density 0.45 DU/Acre)	N/A
South	Industrial	M-1	Rural Estate Residential	N/A
East	Agricultural	A-1	Rural Estate Residential	N/A
West	West Agricultural/Wooded		Rural Estate Residential	N/A

The subject property is not located within any municipal planning jurisdiction.

The special use permit to the east is for a duplex.

ACTION SUMMARY

LITTLE ROCK TOWNSHIP

Petition information was sent to Little Rock Township on November 24, 2021.

LITTLE ROCK-FOX FIRE PROTECTION DISTRICT

Petition information was sent to the Little Rock-Fox Fire Protection District on November 24, 2021.

DESIGN STANDARDS

Pursuant to Section 13:10.D of the Kendall County Zoning Ordinance, the following shall be taken into account when reviewing Site Plans (Staff comments in bold):

Responsive to Site Conditions-Site plans should be based on an analysis of the site. Such site analysis shall examine characteristics such as site context; geology and soils; topography; climate and ecology; existing vegetation, structures and road network; visual features; and current use of the site. In addition to the standards listed below, petitioners must also follow the regulations outlined in this Zoning Ordinance. To the fullest extent possible, improvements shall be located to preserve the natural features of the site, to avoid areas of environmental sensitivity, and to minimize negative effects and alteration of natural features. Fragile areas such as wetlands and flood plains should be preserved as open space. Slopes in excess of 20 percent as measured over a 10-foot interval also should remain as open space, unless appropriate engineering measures concerning slope stability, erosion and safety are taken. The majority of the subject property is already an improved industrial use. The only new landscaping will be around the pond. No floodplains or wetlands are located on the property. No excessive slopes exist on the property. A stormwater management permit will be required for the pond.

Traffic and Parking Layout-Site plans should minimize dangerous traffic movements and congestion, while achieving efficient traffic flow. An appropriate number of parking spaces shall be provided while maintaining County design standards. The number of curb cuts should be minimized and normally be located as far as possible from intersections. Connections shall be provided between parking areas to allow vehicles to travel among adjacent commercial or office uses. Cross-access easements or other recordable mechanisms must be employed. The property already possesses access off of Galena. The property presently has thirtynine (39) traditional parking spaces and two (2) handicapped parking space.

Conflicts between pedestrians and vehicular movements should be minimized. When truck traffic will be present upon the site, the road size and configuration shall be adequate to provide for off-street parking and loading facilities for large vehicles. Barrier curb should be employed for all perimeters of and islands in paved parking lots, as well as for all service drives, loading dock areas, and the equivalent. Parking lots in industrial or commercial areas shall be paved with hot-mix asphalt or concrete surfacing. No conflicts are foreseen. The parking lot will meet applicable surfacing requirements. The doors on the northern side of the building are currently used to assist with air ventilation. The two (2) new docks on the south side of the addition will be screened by a six foot (6') chain link fence with slats as per the requirements of Section 11:06.F of the Zoning Ordinance.

Site Layout-Improvements shall be laid out to avoid adversely affecting ground water and aquifer recharge; minimize cut and fill; avoid unnecessary impervious cover; prevent flooding and pollution; provide adequate access to lots and sites; and mitigate adverse effects of shadow, noise, odor, traffic, drainage and utilities on neighboring properties. Improvements are laid out to avoid adversely impacting ground water, avoid unnecessary impervious cover, prevent flooding and pollution, mitigate adverse effects of shadow, noise odor, traffic, drainage, and utilities on neighboring properties.

Consistent with the Land Resource Management Plan-The proposed use and the design of the site should be consistent with the Land Resource Management Plan. This is true because the use is existing.

Building Materials-The proposed site plan design shall provide a desirable environment for its occupants and visitors as well as its neighbors through aesthetic use of materials, textures and colors that will remain appealing and will retain a reasonably adequate level of maintenance. Buildings shall be in scale with the ultimate development planned for the area. Monotony of design shall be avoided. Variations in detail, form, and setting shall be used to provide visual interest. Variation shall be balanced by coherence of design elements. The subject property presently consists of three (2) one (1) story corrugated metal buildings and one (1) one (1) story frame building. The metal on the exterior of the addition will match the existing gray exterior. The maximum building height will be thirty-one feet, three inches (31' 3").

Relationship to Surrounding Development-A site shall be developed in harmony with neighboring street pattern, setbacks and other design elements. **The proposed addition is in harmony with the existing use.**

Open Space and Pedestrian Circulation-Improvements shall be designed to facilitate convenient and safe pedestrian and bicycle movement within and to the property. **This is not an issue.**

Buffering-Measures shall be taken to protect adjacent properties from any undue disturbance caused by excessive noise, smoke, vapors, fumes, dusts, odors, glare or stormwater runoff. Incompatible, unsightly

activities are to be screened and buffered from public view. Because the use is already in existence, there are no concerns regarding noise, smoke, vapors, fumes, dusts, odors or glare. The stormwater management permit will address any concerns regarding stormwater. As noted previously, the required fencing will be installed east of the new loading area.

Emergency Vehicle Access-Every structure shall have sufficient access for emergency vehicles. Circulation already exists in the property for emergency vehicles.

Mechanical Equipment Screening-All heating, ventilation and air conditioning equipment shall be screened on sides where they abut residential districts. **There is no mechanical equipment requiring screening.**

Lighting-The height and shielding of lighting fixtures shall provide proper lighting without hazard to motorists on adjacent roadways or nuisance to adjacent residents by extending onto adjacent property. Cut-off lighting should be used in most locations, with fixtures designed so that the bulb/light source is not visible from general side view. The proposal calls for two (2) wall packs to be mounted thirteen feet (13') in height on the north side of the building. As noted in Attachment 8, the foot candles will meet the County's lighting requirements.

Refuse Disposal and Recycling Storage Areas-All refuse disposal and recycling storage areas should be located in areas designed to provide adequate accessibility for service vehicles. Locations should be in areas where minimal exposure to public streets or residential districts will exist. Screening shall be required in areas which are adjacent to residential districts or are within public view. Such enclosures should not be located in landscape buffers. Refuse containers and compactor systems shall be placed on smooth surfaces of non-absorbent material such as concrete or machine-laid asphalt. A concrete pad shall be used for storing grease containers. Refuse disposal and recycling storage areas serving food establishments shall be located as far as possible from the building's doors and windows. The use of chain link fences with slats is prohibited. The property has existing refuse containers; no refuse containers will be added as part of the addition.

RECOMMENDATION

Pending comments from ZPAC members, Staff recommends approval of the proposed site plan as proposed with the following conditions:

- 1. The site plan approved in 2008 shall be amended to incorporate the subject site plan.
- 2. The site shall be developed substantially in conformance with the submitted site plan (Attachment 2), civil plan (Attachment 3), photometric plan (Attachment 5), and elevations (Attachment 6). The metal siding shall be gray to match the existing building.
- 3. The November 23, 2021, letter from Tebrugge Engineering (Attachment 8) will be included as part of the site plan.
- 4. The site shall be developed in accordance with all applicable federal, state, and local laws related to site development and the type of use proposed for the site, including, but not limited to, securing the applicable building and stormwater permits.

ATTACHMENTS

- 1. Application Materials
- 2. Site Plan
- 3. Civil Plan
- 4. Plat of Survey
- 5. Photometric Plan
- 6. Elevations
- 7. Aerial
- 8. November 23, 2021 Tebrugge Engineering Letter



DEPARTMENT OF PLANNING, BUILDING & ZONING

111 West Fox Street • Yorkville, IL • 60560 Fax (630) 553-4179 (630) 553-4141

APPLICATION

PROJECT NAME	TMF Building Addition	FILE #:

NAME OF APPLICANT		
TMF Plastic Solutions LLC		
CURRENT LANDOWNER/NAME(s)	
TMF Management LLC		
SITE INFORMATION ACRES	SITE ADDRESS OR LOCATION	ASSESSOR'S ID NUMBER (PIN)
6.0	12127 Galena Road Unit B Plano, IL	01-01-200-002
EXISTING LAND USE	CURRENT ZONING	LAND CLASSIFICATION ON LRMP
Manufacturing	M-1	M-1
REQUESTED ACTION (Check All	That Apply):	
SPECIAL USE		VARIANCE
ADMINISTRATIVE VARIANCE	A-1 CONDITIONAL USE for:	X SITE PLAN REVIEW
TEXT AMENDMENT	RPD (Concept; Preliminary; Final)	
PRELIMINARY PLAT	FINAL PLAT	OTHER PLAT (Vacation, Dedication, etc
AMENDMENT TO A SPECIAL	L USE (Major; Minor)	
¹PRIMARY CONTACT	PRIMARY CONTACT MAILING ADDRESS	PRIMARY CONTACT EMAIL
	PRIMARY CONTACT MAILING ADDRESS	
¹PRIMARY CONTACT Tim Raymond PRIMARY CONTACT PHONE #	PRIMARY CONTACT MAILING ADDRESS PRIMARY CONTACT FAX #	PRIMARY CONTACT EMAIL PRIMARY CONTACT OTHER #(Cell, etc.)
Tim Raymond		
Tim Raymond		
Tim Raymond PRIMARY CONTACT PHONE #	PRIMARY CONTACT FAX#	PRIMARY CONTACT OTHER #(Cell, etc.) ENGINEER EMAIL
Tim Raymond PRIMARY CONTACT PHONE # PENGINEER CONTACT	PRIMARY CONTACT FAX#	PRIMARY CONTACT OTHER #(Cell, etc.)
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¹Primary Contact will receive all correspondence from County
²Engineering Contact will receive all correspondence from the County's Engineering Consultants

Last Revised: 11.16.20

PARCEL DESCRIPTIONS

ROAD, 387.88 FEET TO A POINT; THENCE NORTH 76 DEGREES 05 MINUTES 00 SECONDS WEST ALONG THE CENTER LINE OF SAID ROAD 796 () 12 FEET FOR A POINT OF BEGINNING; THENCE NORTHEASTERLY AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 1200 FEET; THE () 2 SOUTHEASTERLY PARALLEL WITH THE CENTER LINE OF SAID OLD CHICAGO AND GALENA ROAD 363 FEET; THENCE SOUTHWESTERLY EAST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER 19.508 CHAINS; THENCE SOUTH 12 DEGREES 40 MINUTES 00 SECONDS WEST 22.655 CHAINS; THENCE SOUTH 27 DEGREES 30 MINUTES 00 SECONDS WEST 11.75 CHAINS; THENCE SOUTH 73 DEGREES EAST 6.25 CHAINS; THENCE SOUTH 19 DEGREES WEST 10.04 CHAINS TO THE CORNER OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN; THENCE CENTER OF THE OLD CHICAGO AND GALENA ROAD; THENCE NORTH 79 DEGREES 20 MINUTES 00 SECONDS WEST ALONG THE CENTER OF SAID I, TOWNSHIP 37 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST PARCEL ONE: THE NORTHERLY 720 FEET OF THE FOLLOWING DESCRIBED PROPERTY, TO-WIT: CENTER LINE OF SAID ROAD 363 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF LITTLE ROCK, KENDALL COUNTY, ILLINOIS AT RIGHT ANGLES TO THE CENTER LINE OF SAID ROAD 1200 FEET TO THE CENTER OF SAID ROAD; THENCE NORTHWESTERLY ALONG THE THAT PART OF THE EAST HALF OF SECTION

JUNE 3, 1977 AS DOCUMENT 77-3124 MADE BY THE OLD SECOND NATIONAL BANK, AS TRUSTEE UNDER TRUST NUMBER 2598 TO TWINOAK PRODUCTS, INC. OVER THE SOUTHEASTERLY 66 FEET OF THE SOUTHERLY 480 FEET OF THE FOLLOWING DESCRIBED PARCEL: THAT PART OF THE EAST HALF OF SECTION I, TOWNSHIP 37 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: LITTLE ROCK, KENDALL COUNTY, ILLINOIS. ROAD; THENCE NORTHWESTERLY ALONG THE CENTER LINE OF SAID ROAD 363 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF ALONG THE CENTER LINE OF SAID ROAD 796.12 FEET FOR A POINT OF BEGINNING; THENCE NORTHEASTERLY AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 1200 FEET; THENCE SOUTHEASTERLY PARALLEL WITH THE CENTER LINE OF SAID OLD CHICAGO AND GALENA DEGREES WEST 10.04 CHAINS TO THE CENTER OF THE OLD CHICAGO AND GALENA ROAD; THENCE NORTH 79 DEGREES 20 MINUTES OO SECONDS WEST SECONDS WEST ALONG THE CENTER OF SAID ROAD 387.88 FEET TO A POINT; THENCE NORTH 76 DEGREES OS MINUTES OO SECONDS WEST 40 MINUTES 00 SECONDS WEST 22.655 CHAINS; THENCE SOUTH 89 DEGREES 25 MINUTES 00 SECONDS WEST 11.535 CHAINS; THENCE SOUTH 27 DEGREES 30 MINUTES 00 SECONDS WEST 11.75 CHAINS; THENCE SOUTH 73 DEGREES EAST 6.25 CHAINS; THENCE SOUTH 19 PRINCIPAL MERIDIAN; THENCE EAST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER 19.508 CHAINS; THENCE SOUTH 12 DEGREES COMMENCING AT THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PARGEL TWO: EASEMENT FOR INGRESS AND EGRESS FOR BENEFIT OF PARCEL ONE CREATED BY DEED DATED JUNE 2, 1977 AND RECORDED ROAD 363 FEET; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO THE CENTER LINE OF SAID ROAD 1200 FEET TO THE CENTER OF SAID

KENDALL COUNTY DISCLOSURE OF BENEFICIARIES FORM

1.	Applicant TMF Management LLC		
	Address 12127B Galena Road		
	City Plano	State IL	Zip <u>60545</u>
2.	Nature of Benefit Sought Building Expans	sion	
3.	Nature of Applicant: (Please check one) Natural Person Corporation Land Trust/Trustee Trust/Trustee Apartnership Joint Venture		
4.	If applicant is an entity other than described applicant:	in Section 3, briefly sta	te the nature and characteristics of the
	Building Expansion		
5.	If your answer to Section 3 you have check person or entity who is a 5% shareholder in trust, a joint venture in the case of a joint venture in the case of a joint venture and losses or right to control such en NAME ADDRI	case of a corporation, a enture, or who otherwise atity:	beneficiary in the case of a trust or land
	The Gregory Kuppler Declaration of Tru		Owne
	V		
	-		
		0	
6.	Name, address, and capacity of person make	ing this disclosure on be	half of the applicant:
making the abo	this disclosure on behalf of the applicant, that we and foregoing Disclosure of Beneficiaries, ce and fact.	at I am duly authorized to	sworn under oath that I am the person o make the disclosure, that I have red contained therein are true in both
Subscri	bed and sworn to before me this 16 day	y of Novem b	e/, A.D. 2020
(seal)	BOBBY COOPER Notary Public - State of Florida Commission # GG 227441	1 -	Notate Public

Certification of Trust

Name of Trust:

The Gregory Kuppler Declaration of Trust

Date trust instrument was executed:

April 24, 2003

Amendments/Restatements:

First Amendment and Restatement – June 22, 2015

Second Amendment - December 6, 2018

Third Amendment and Restatement - December 5, 2019

Tax ID # of Trust (SSN or EIN):

SSN of Gregory L. Kuppler

Name(s) of settlor(s) of trust:

Gregory L. Kuppler

Address(es) of currently acting trustee(s):

Gregory L. Kuppler, Co-Trustee Karen J. Kuppler, Co-Trustee

There are no co-trustees authorized to sign or otherwise authenticate on behalf of the trust.

Name(s) of successor trustee(s):

Karen J. Kuppler; then

Amanda M. Ryan, Daniel E. Kuppler, and

Michael G. Kuppler, as co-Trustees, or any two as

co-Trustees, or any one as sole Trustee; then

ATG Trust Company

Excerpts from the trust document that establish the trust, designate the Trustee, and set forth the power to acquire, sell, assign, convey, pledge, encumber, lease, borrow, manage, and deal with real and personal property interests are available upon request.

Title to the trust property shall be taken as follows: Gregory L. Kuppler and Karen J. Kuppler, Trustees of the Gregory Kuppler Declaration of Trust dated April 24, 2003

This trust is amendable.

Name of person holding power to amend the trust: Gregory L. Kuppler

I certify that the above named trust is in full force and has not been revoked, modified, or amended in any manner which would cause the representations in this Certification of Trust to be incorrect.

	ch of the undersigned, being a trustee of the above-named trust with the characteristic of Trust, does hereby execute it this 5 day of December 1	
	Co-Trustee Signature	
	Printed Name: Gregory L. Kuppler	
	Co-Trustee Signature: Printed Name: Karen J. Kuppler	
STATE OF ILLINOIS) ss.	
COUNTY OF DuPAGE)	
	d acknowledged before me on Accarding , 2019, by Gregor ren J. Kuppler, as Co-Trustee.	ry L.
[Seal]		
"OFFICIAL SEAL"	Notary Public	
SUSAN E. HAUGH NOTARY PUBLIC, STATE OF ILLIN MY COMMISSION EXPIRES 9/19/	My commission expires: 29/19/2021	_



JB Pritzker, Governor

Colleen Callahan, Director

November 16, 2021

John Tebrugge Tim Raymond

RE: TMF Plastic Building Addition Project Number(s): 2207057

County: Kendall

Dear Applicant:

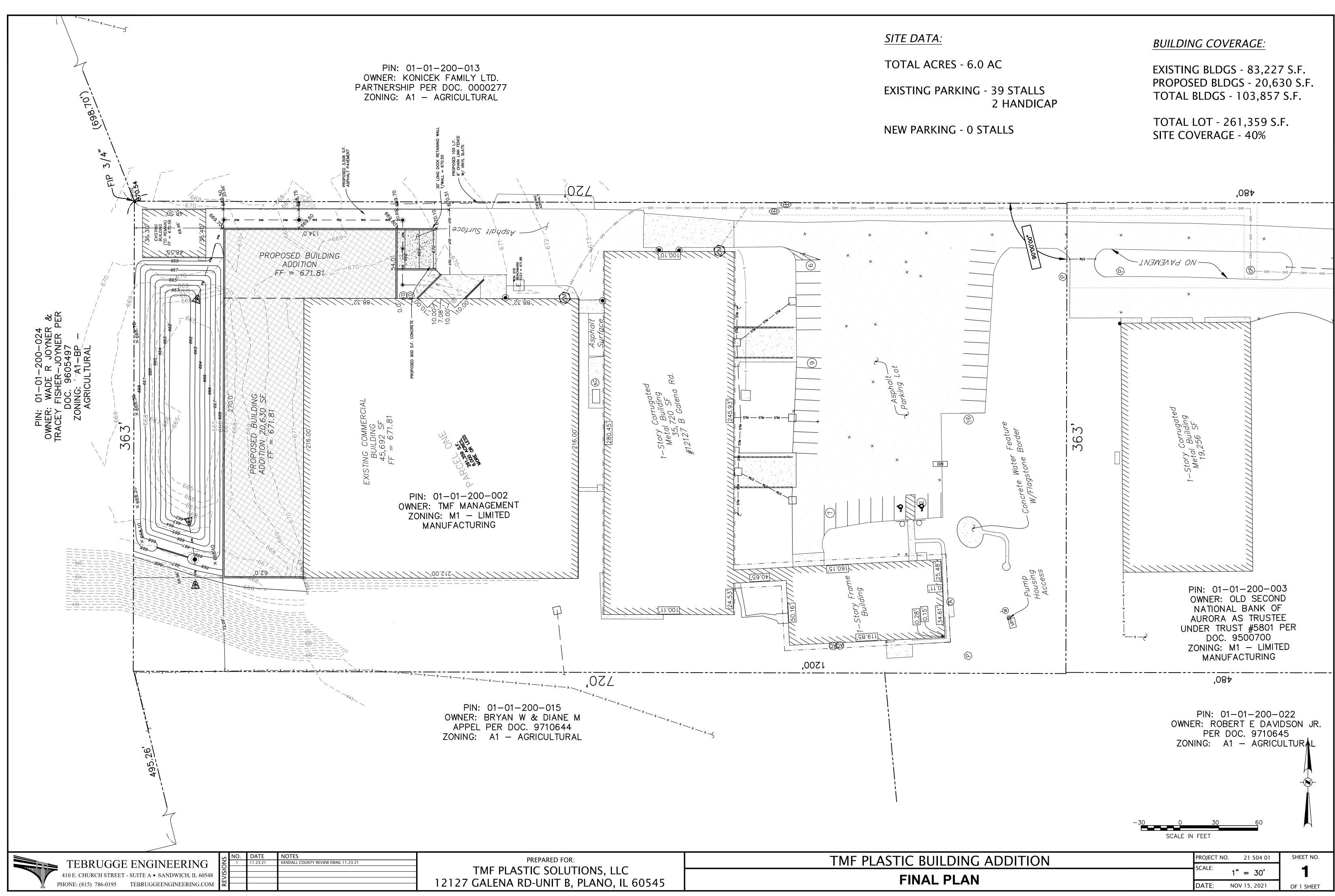
This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 is terminated.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

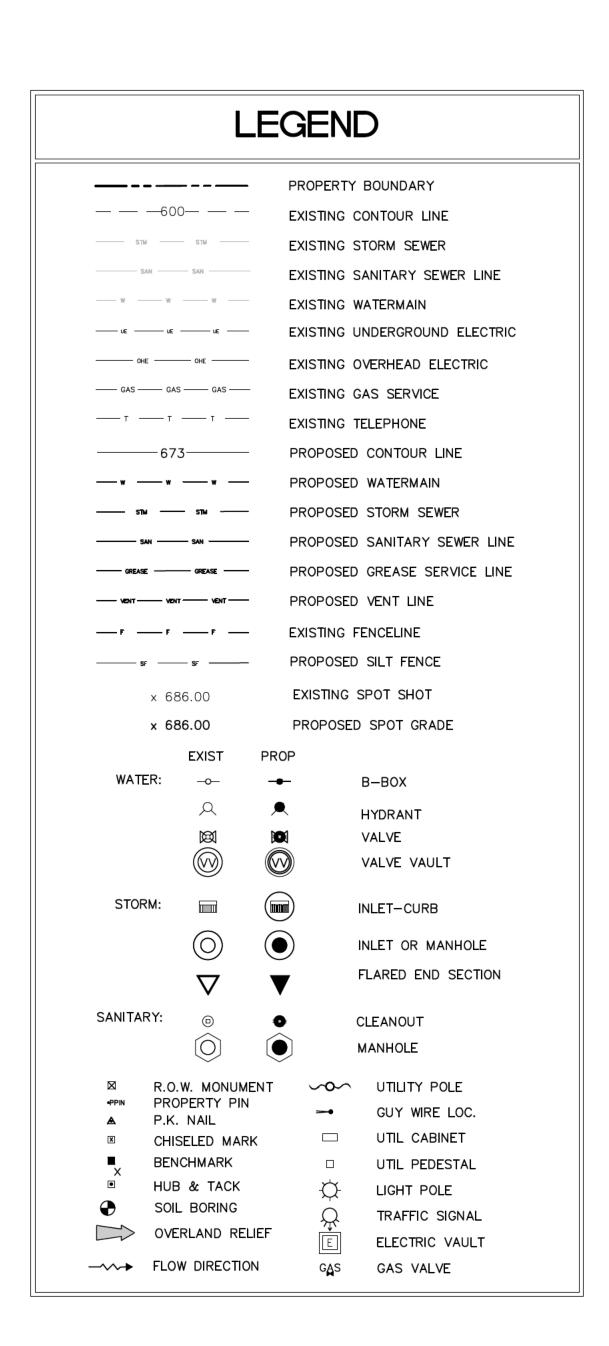
Kyle Burkwald Division of Ecosystems and Environment 217-785-5500



ENGINEERING PLANS FOR

TMF PLASTIC BUILDING ADDITION

SECTION 1, TOWNSHIP 37 NORTH, RANGE 6 EAST



KENDALL COUNTY REVIEW EMAIL 11.23.21

12127B GALENA RD PLANO, IL 60545 **KENDALL COUNTY** NOVEMBER, 2021

INDEX TO SHEETS

- COVER SHEET
- 2. EXISTING CONDITIONS & DEMOLITION PLAN
- 3. OVERALL SITE PLAN
- 4. CIVIL SITE PLANS
- GENERAL NOTES & DETAILS



STATE OF ILLINOIS, COUNTY OF KENDALL I JOHN J. TEBRUGGE, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY PERSONAL DIRECTION BASED ON AVAILABLE DOCUMENTS AND FIELD MEASUREMENTS FOR THE EXCLUSIVE USE OF THE CLIENT NOTED HEREON.

GIVEN UNDER MY HAND & SEAL THIS 23RD DAY OF NOVEMBER, 2021





LOCATION

COPYRIGHT © 2021 BY TEBRUGGE ENGINEERING ALL RIGHTS RESERVED. NO PART OF THESE CIVIL ENGINEERING PLANS MAY BE REPRODUCED, DISTRIBUTED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, INCLUDING PHOTOCOPYING, RECORDING, OR OTHER ELECTRONIC OR MECHANICAL METHODS, WITHOUT THE PRIOR WRITTEN PERMISSION OF TEBRUGGE ENGINEERING

BENCHMARKS:

1. NATIONAL GEODETIC SURVEY MONUMENT PID - MF0523

STANDARD DISK IN CONCRETE STAMPED "Y 49 1934"

NAVD 88 DATUM

ELEVATION = 649.12

(LOCATION ON PLAN)

NAVD 88 DATUM

ELEVATION = 671.88

LOCATED 320 FEET EAST OF THE PLANO TRAIN STATION, 21 FEET NORTH OF THE

2. ON-SITE BENCHMARK NORTH EAST CORNER OF ELECTRIC TRANSFORMER PAD

CENTERLINE OF THE NORTH TRACK, AT AN ABANDONED SIGNAL BRIDGE FOUNDATION

PLANS PREPARED FOR:

TMF PLASTIC SOLUTIONS, LLC

12127 GALENA ROAD - UNIT B

PLANO, IL 60545

PHONE: (630) 552-7575

CIVIL ENGINEER:

TEBRUGGE ENGINEERING 410 E CHURCH ST - SUITE A

SANDWICH, ILLINOIS 60548

(815) 786-0195

INFO@TEBRUGGEENGINEERING.COM WWW.TEBRUGGEENGINEERING.COM

LOCATION MAP

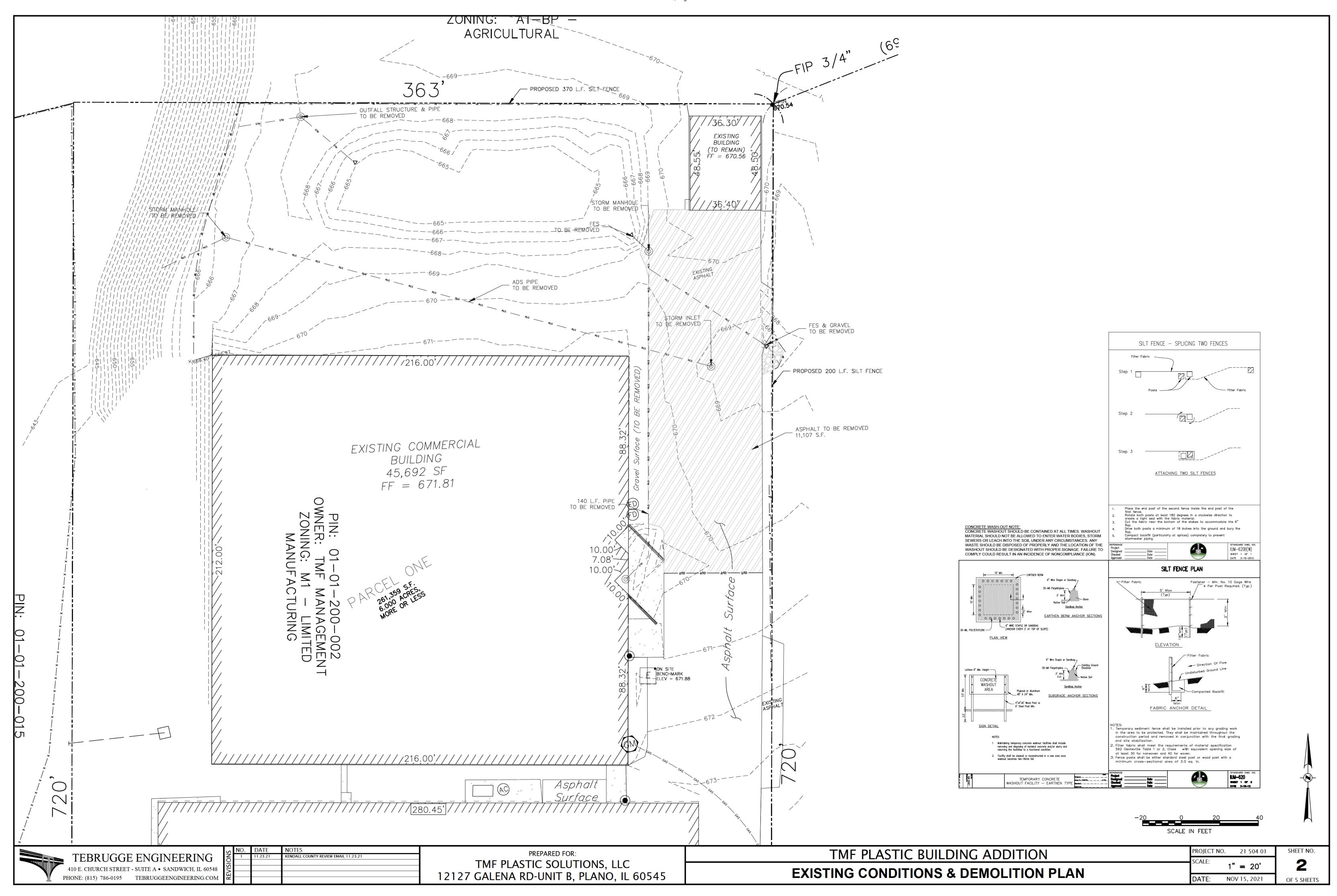
Know what's below. Call before you dig.

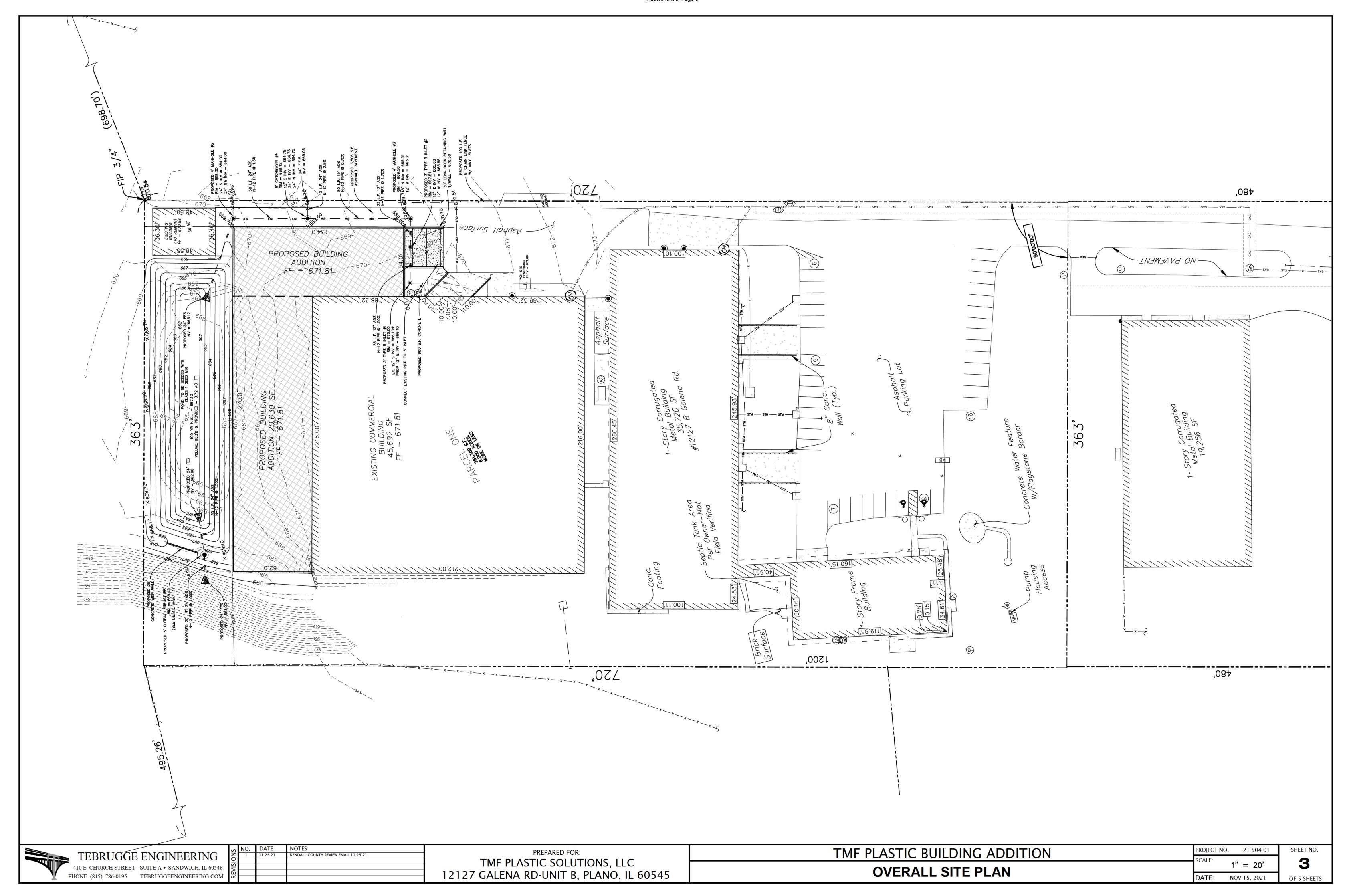
Contractor and or sub-contractors shall verify locations of all underground utilities prior to digging. Contact J.U.L.I.E. (Joint Utility Locating for Excavators) at 1-800-892-0123 or dial 811.

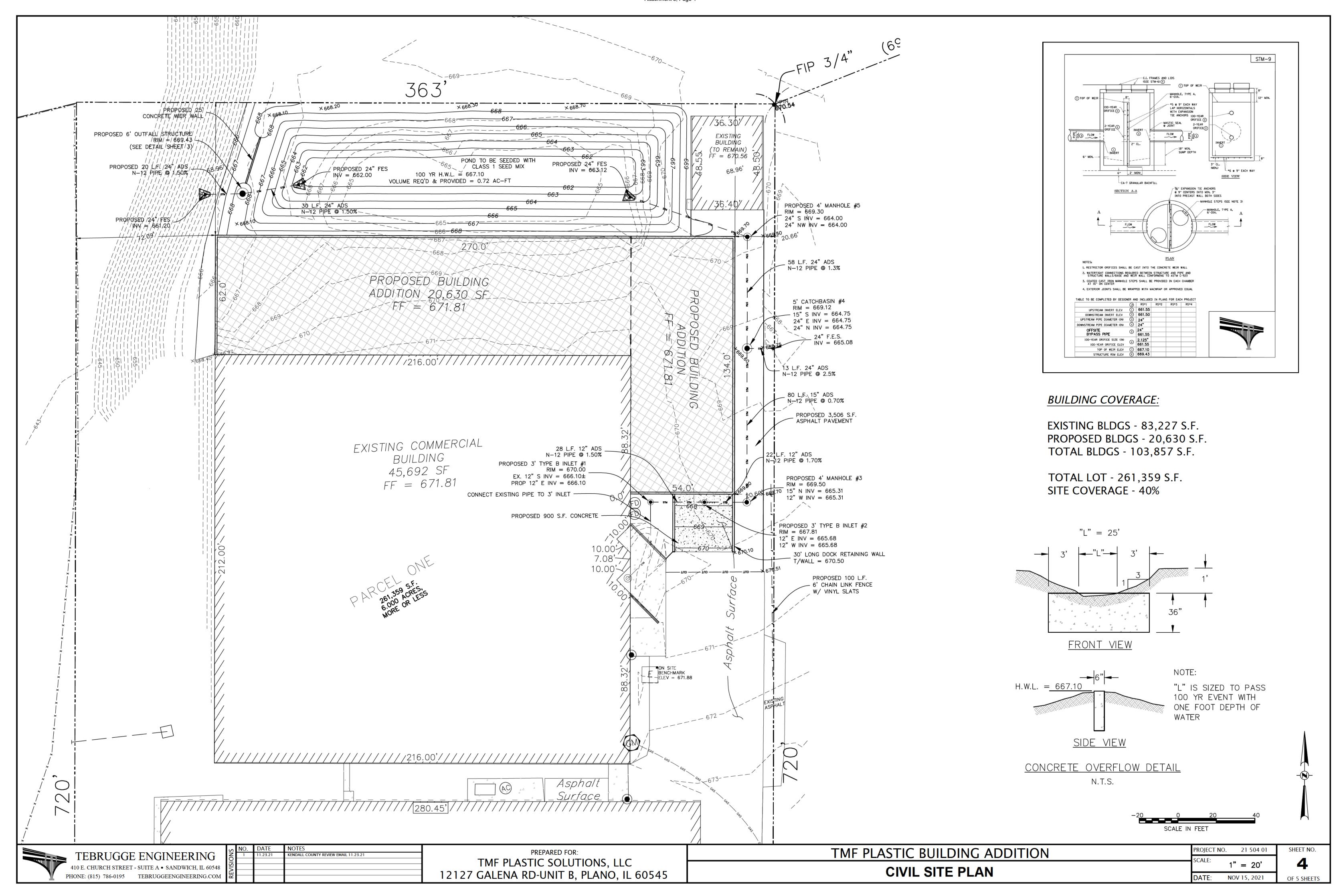
UTILITY STATEMENT

EVIDENCE AND EXISTING DRAWINGS, MAPS AND RECORDS SUPPLIED T SURVEYOR. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS OSSIBLE FROM AVAILABLE INFORMATION. THE SURVEYOR HAS

HE UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE FIELD PHYSICALLY LOCATED VISIBLE STRUCTURES; HOWEVER, HE HAS NOT PHYSICALLY LOCATED THE UNDERGROUND LINES.







GENERAL CONDITIONS

1. ALL EARTHWORK, ROADWAY WORK, DRAINAGE WORK OR STORM SEWER WORK SHALL BE PERFORMED UTILIZING MATERIALS AND METHODS IN STRICT ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, AS WELL AS THE STANDARD DETAIL SHEETS ATTACHED TO THESE PLANS. ALL MUNICIPAL, COUNTY, STATE AND FEDERAL REQUIREMENTS AND STANDARDS SHALL BE STRICTLY ADHERED TO IN WORK PERFORMED UNDER THIS CONTRACT.

2. ALL SANITARY SEWER AND WATER MAIN WORK SHALL BE PERFORMED USING METHODS AND MATERIALS IN STRICT ACCORDANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION, AS WELL AS THE STANDARD DETAIL SHEETS ATTACHED TO THESE PLANS. ALL MUNICIPAL, COUNTY, STATE AND FEDERAL REQUIREMENTS AND STANDARDS SHALL BE STRICTLY ADHERED TO IN WORK PERFORMED UNDER THIS CONTRACT.

3. ANY SPECIFICATIONS WHICH ARE SUPPLIED ALONG WITH THE PLANS SHALL TAKE PRECEDENCE IN THE CASE OF A CONFLICT WITH THE STANDARD SPECIFICATIONS NOTED IN ITEMS NO. 1 AND 2 ABOVE. THE ABOVE STANDARD SPECIFICATIONS & THE CONSTRUCTION PLANS ARE TO BE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.

4. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

5. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE GOVERNING MUNICIPALITY, OTHER APPLICABLE GOVERNMENTAL AGENCIES, AND THE OWNER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. HE SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS, ALONG WITH ADEQUATE TRAFFIC CONTROL MEASURES. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.

7. THE UTILITY LOCATIONS, AND THE DEPTHS SHOWN ON THESE PLANS ARE APPROXIMATE ONLY, AND SHALL BE VERIFIED BY THE CONTRACTOR WITH ALL AFFECTED UTILITY COMPANIES PRIOR TO INITIATING CONSTRUCTION OPERATIONS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY, SUFFICIENCY OR EXACTNESS OF THESE UTILITY REPRESENTATIONS.

8. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE OFFICE OF J.U.L.I.E. AT 1-800-892-0123 FOR EXACT FIELD LOCATION OF ALL UNDERGROUND UTILITIES IN THE PROXIMITY OF, AND ON, THE PROJECT SITE; IF THERE ARE ANY UTILITIES WHICH ARE NOT MEMBERS OF THE J.U.L.I.E. SYSTEM, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THIS AND MAKE ARRANGEMENTS TO HAVE THESE UTILITIES FIELD LOCATED.

9. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS—OF—WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR RELOCATING THESE FACILITIES AT HIS EXPENSE TO ACCOMMODATE THE NEW CONSTRUCTION.

10. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ONSITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

11. IT SHALL BE THE RESPONSIBILITY OF EACH RESPECTIVE CONTRACTOR TO REMOVE FROM THIS SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

12. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OF FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

13. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1926) AND WITH APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS OF THE WILLIAMS STELGER OCCUPATIONAL HEALTH STATE SAFETY ACT OF 1970(REVISED). THE CONTRACTOR, ENGINEERS, AND OWNER SHALL EACH BE RESPONSIBLE FOR HIS OWN RESPECTIVE AGENTS AND EMPLOYEES.

14. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND ALL GOVERNING AUTHORITIES, THEIR AGENTS SUCCESSORS AND ASSIGNS FROM ANY AND ALL LIABILITY WITH RESPECT TO THE CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK REQUIRED ON THIS PROJECT. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THE WORK OF THIS CONTRACT IN A MANNER WHICH STRICTLY COMPLIES WITH ANY AND ALL PERTINENT LOCAL, STATE OR NATIONAL CONSTRUCTION AND SAFETY CODES; THE ENGINEER, OWNER, AND GOVERNING AUTHORITIES ARE NOT RESPONSIBLE FOR ENSURING COMPLIANCE BY THE CONTRACTOR WITH SAID CODES AND ASSUME NO LIABILITY FOR ACCIDENTS, INJURIES, OR DEATHS, OR CLAIMS RELATING THERETO WHICH MAY RESULT FROM LACK OF ADHERENCE TO SAID CODES.

UNDERGROUND UTILITIES

1. ALL UTILITY TRENCHES BENEATH PROPOSED OR EXISTING UTILITIES, PROPOSED OR EXISTING PAVEMENT, DRIVEWAYS, SIDEWALKS AND FOR A DISTANCE OF TWO FEET ON EITHER SIDE OF SAME, AND/OR WHEREVER ELSE SHOWN ON THE CONSTRUCTION PLANS SHALL BE BACKFILLED WITH SELECT GRANULAR BACKFILL (CA-6 OR CA-7) AND THOROUGHLY COMPACTED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS.

2. UNLESS OTHERWISE INDICATED ON THE PLANS, STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CULVERT PIPE OF THE CLASS AS INDICATED ON THE PLANS, AND CONFORMING TO ASTM C-76. JOINTS SHALL TYPICALLY BE A "TROWEL APPLIED" BITUMINOUS MASTIC COMPOUND IN ACCORDANCE WITH ASTM C-76 (OR C-14 AS MAY BE APPLICABLE OR RUBBER "O"-RING GASKET JOINTS CONFORMING TO ASTM C-443). LOCATIONS WHERE THE STORM SEWER CROSSES WATERMAINS AN "O"-RING JOINT IN ACCORDANCE WITH ASTM C-361 SHALL BE USED.

3. STORM SEWER MANHOLES SHALL BE PRECAST STRUCTURES, WITH THE DIAMETER DEPENDENT ON THE PIPE SIZE AND WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION STANDARDS). LIDS SHALL BE IMPRINTED "STORM SEWER". ALL FLARED END SECTIONS SHALL HAVE A FRAME & GRATE INSTALLED.

4. THESE FRAME AND GRATES FOR STORM STRUCTURES SHALL BE USED UNLESS OTHERWISE INDICATED ON THE PLAN SET. USE NEENAH R-1712 OPEN LID (OR EQUAL) IN PAVEMENT AREAS, USE NEENAH R-1772-B OPEN OR CLOSED LID (OR EQUAL) IN GRASS AREAS, USE NEENAH R-3015 (OR EQUAL) FOR B6.12 CURB AREAS, AND NEENAH R-3509 (OR EQUAL) FOR DEPRESSED CURB AREAS.

5. STRUCTURES FOR SANITARY AND STORM SEWERS AND VALVE VAULTS FOR WATER SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.

6. ALL STORM SEWERS AND WATERMAINS SHALL HAVE COMPACTED CA-7 GRANULAR BEDDING, A MINIMUM OF 4" BELOW THE BOTTOM OF THE PIPE FOR THE FULL LENGTH. BEDDING SHALL EXTEND TO THE SPRING LINE OF THE

PIPE. COST FOR THE BEDDING SHALL BE INCLUDED WITH THE UNIT PRICE BID FOR THE PIPE.

7. THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION FOR THE

INSTALLATION OF THE SEWER OR WATER SYSTEMS. ANY DEWATERING ENCOUNTERED SHALL BE INCIDENTAL TO THE

8. ALL STRUCTURES SHALL HAVE A MAXIMUM OF 8" OF ADJUSTING RINGS, UNLESS OTHERWISE NOTED.

9. ALL TOP FRAMES FOR STORM AND VALVE VAULT COVERS AND B-BOXES ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE UPON COMPLETION OF FINISHED GRADING AND FINAL INSPECTIONS. THIS ADJUSTMENT IS TO BE MADE BY THE UNDERGROUND CONTRACTOR AND THE COST IS TO BE INCIDENTAL. THE UNDERGROUND CONTRACTOR SHALL INSURE THAT ALL ROAD AND PAVEMENT INLETS OR STRUCTURES ARE AT FINISHED GRADE. ANY ADJUSTMENTS NECESSITATED BY THE CURB OR PAVING CONTRACTOR TO ACHIEVE FINAL RIM GRADE, RESULTING IN AN EXTRA FOR SAID ADJUSTMENTS, WILL BE CHARGED TO THE UNDERGROUND CONTRACTOR.

10. ALL FLOOR DRAINS AND FLOOR DRAIN SUMP PUMPS SHALL DISCHARGE INTO THE SANITARY SEWER.

11. ALL DOWNSPOUTS, FOOTING DRAINS AND SUBSURFACE STORM WATERS SHALL DISCHARGE INTO THE STORM SEWER OR ONTO THE GROUND AND BE DIRECTED TOWARDS A STORM SEWER STRUCTURE.

12. ANY ANTICIPATED COST OF SHEETING SHALL BE REFLECTED IN THE CONTRACT AMOUNTS. NO ADDITIONAL COST WILL BE ALLOWED FOR SHEETING OR BRACING.

13. THE CONTRACTOR SHALL INSTALL A 2"x4"x8' POST ADJACENT TO THE TERMINUS OF THE SANITARY SERVICE, WATERMAIN SERVICE, SANITARY MANHOLES, STORM STRUCTURES, AND WATER VAULTS. THE POST SHALL EXTEND A MINIMUM OF 4 FT. ABOVE THE GROUND. SAID POST SHALL BE PAINTED AS FOLLOWS: SANITARY—GREEN,

14. IT SHALL BE THE RESPONSIBILITY OF THE UNDERGROUND CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

EARTHWOD

ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH SECTION 200 OF THE I.D.O.T. SPECIFICATIONS.

 THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS AND SURVEY MONUMENTS AND SHALL RESTORE ANY WHICH ARE DISTURBED BY HIS OPERATIONS AT NO ADDITIONAL COST, TO THE CONTRACT.

WHICH ARE DISTURBED BY HIS OPERATIONS AT NO ADDITIONAL COST TO THE CONTRACT.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRISE HIMSELF OF ALL SITE CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS LUMP

4. PRIOR TO ONSET OF MASS GRADING OPERATIONS THE EARTHWORK CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT FENCING, ETC. TO PROTECT ADJACENT PROPERTY SHALL OCCUR BEFORE MASS GRADING BEGINS, AND IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION

SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN

5. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY THE SOILS ENGINEER OR HIS REPRESENTATIVE. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE

6. THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.

7. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF SIX INCHES (6") OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED.

8. THE SELECTED STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEVEL UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX INCHES (6"); IF COMPACTION EQUIPMENT DEMONSTRATES THE ABILITY TO COMPACT A GREATER THICKNESS, THEN A GREATER THICKNESS MAY BE SPECIFIED. EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO INSURE UNIFORMITY.

9. EMBANKMENT MATERIAL WITHIN ROADWAY, PARKING LOT, AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY—FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D—1557 (MODIFIED PROCTOR METHOD), OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER. EMBANKMENT MATERIAL FOR BUILDING PADS SHALL BE COMPACTED TO A MINIMUM OF NINETY—FIVE (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D—1557 (MODIFIED PROCTOR METHOD) OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOIL ENGINEER.

10. EMBANKMENT MATERIAL (RANDOM FILL) WITHIN NON-STRUCTURAL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-157 (MODIFIED PROCTOR METHOD).

11. THE SUB GRADE FOR PROPOSED STREET AND PAVEMENT AREAS SHALL BE PROOF—ROLLED BY THE CONTRACTOR AND ANY UNSTABLE AREAS ENCOUNTERED SHALL BE REMOVED AND REPLACED AS DIRECTED BY

12. SOIL BORING REPORTS, IF AVAILABLE, ARE SOLELY FOR THE INFORMATION AND GUIDANCE OF THE CONTRACTORS. THE OWNER AND ENGINEER MAKE NO REPRESENTATION OR WARRANTY REGARDING THE INFORMATION CONTAINED IN THE BORING LOGS. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AND SHALL PLAN HIS WORK ACCORDINGLY. ARRANGEMENTS TO ENTER THE PROPERTY DURING THE BIDDING PHASE MAY BE MADE UPON REQUEST OF THE OWNER. THERE WILL BE NO ADDITIONAL PAYMENT FOR EXPENSES INCURRED BY THE CONTRACTOR RESULTING FROM ADVERSE SOIL OR GROUND WATER CONDITIONS.

13. IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

PAVING & WALKS

1. WORK UNDER THIS SECTION SHALL INCLUDE FINAL SUBGRADE SHAPING AND PREPARATION: FORMING, JOINTING, PLACEMENT OF ROADWAY AND PAVEMENT BASE COURSE MATERIALS AND SUBSEQUENT BINDER AND/OR SURFACE COURSES; PLACEMENT, FINISHING AND CURING OF CONCRETE; FINAL CLEAN—UP; AND ALL RELATED

2. ALL PAVING AND SIDEWALK WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS (I.D.O.T.) AND PER LOCAL REGULATIONS.

3. SUBGRADE FOR PROPOSED PAVEMENT SHALL BE FINISHED BY THE EXCAVATION CONTRACTOR TO WITHIN 0.1 FOOT, PLUS OR MINUS, OF THE PLAN ELEVATION. THE PAVING CONTRACTOR SHALL SATISFY HIMSELF THAT THE SUBGRADE HAS BEEN PROPERLY PREPARED AND THAT THE FINISH TOP SUBGRADE ELEVATION HAS BEEN GRADED WITHIN TOLERANCES ALLOWED IN THESE SPECIFICATIONS. UNLESS THE PAVING CONTRACTOR ADVISES THE OWNER AND ENGINEER IN WRITING PRIOR TO FINE GRADING FOR BASE COURSE CONSTRUCTION, IT IS UNDERSTOOD THAT HE HAS APPROVED AND ACCEPTS THE RESPONSIBILITY FOR THE SUBGRADE. PRIOR TO PLACEMENT OF PAVEMENT BASE MATERIALS, THE PAVING CONTRACTOR SHALL FINE GRADE THE SUBGRADE SO AS TO INSURE THE PROPER THICKNESS OF PAVEMENT COURSES. NO CLAIMS FOR EXCESS BASE MATERIALS DUE TO IMPROPER SUBGRADE PREPARATION WILL BE HONORED.

4. THE PROPOSED PAVEMENT SHALL CONSIST OF THE SUB-BASE COURSE, BITUMINOUS AGGREGATE BASE COURSE, BITUMINOUS BINDER COURSE. AND BITUMINOUS SURFACE COURSE, OF THE THICKNESS AND MATERIALS AS SPECIFIED ON THE CONSTRUCTION PLANS, PRIME COAT SHALL BE APPLIED TO THE SUB-BASE COURSE AT A RATE OF 0.5 GALLONS PER SQUARE YARD. UNLESS SHOWN AS A BID ITEM, PRIME COAT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. ALL PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," CURRENT EDITION.

5. AFTER THE INSTALLATION OF THE BASE COURSE, ALL TRAFFIC SHALL BE KEPT OFF THE BASE UNTIL THE BINDER COURSE IS LAID. AFTER INSTALLATION OF THE BINDER COURSE AND UPON INSPECTION AND APPROVAL BY GOVERNING AUTHORITY, THE PAVEMENT SHALL BE CLEANED, PRIMED AND THE SURFACE COURSE LAID. ALL DAMAGED AREAS IN THE BINDER, BASE OR CURB AND GUTTER SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER PRIOR TO LAYING THE SURFACE COURSE. THE PAVING CONTRACTOR SHALL PROVIDE WHATEVER EQUIPMENT AND MANPOWER IS NECESSARY, INCLUDING THE USE OF POWER BROOMS TO PREPARE THE PAVEMENT FOR APPLICATION OF THE SURFACE COURSE. EQUIPMENT AND MANPOWER TO CLEAN PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT. PRIME COAT ON THE BINDER COARSE SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT AND SHALL BE APPLIED TO THE BINDER AT A RATE OF 0.5 GALLONS PER SQUARE YARD.

6. CURING AND PROTECTION OF ALL EXPOSED CONCRETE SURFACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

7. SIDEWALKS SHALL BE OF THE THICKNESS AND DIMENSIONS AS SHOWN IN THE CONSTRUCTION PLANS. ALL SIDEWALK CONCRETE SHALL DEVELOP A MINIMUM OF 3,500—PSI COMPRESSIVE STRENGTH AT 28 DAYS. CONTRACTION JOINTS SHALL BE SET AT 5' CENTERS, AND 3/4" PRE—MOLDED FIBER EXPANSION JOINTS SET AT 50' CENTERS AND WHERE THE SIDEWALK MEETS THE CURB, A BUILDING, OR ANOTHER SIDEWALK, OR AT THE END OF EACH POUR. ALL SIDEWALKS CONSTRUCTED OVER UTILITY TRENCHES SHALL BE REINFORCED WITH THREE NO. 5 REINFORCING BARS (10' MINIMUM LENGTH). ALL SIDEWALKS CROSSING DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK AND REINFORCED WITH 6X6 #6 WELDED WIRE MESH. ALL SIDEWALKS SHALL BE BROOM FINISHED. IF A MANHOLE FRAME FALLS WITHIN THE LIMITS OF A SIDEWALK, A BOX—OUT SECTION SHALL BE PLACED AROUND THE MANHOLE FRAME WITH A 3/4" EXPANSION JOINT.

8. BACKFILLING ALONG PAVEMENT SHALL BE THE RESPONSIBILITY OF THE EARTHWORK CONTRACTOR.
9. IT SHALL BE THE RESPONSIBILITY OF THE PAVING CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIAL AND DEBRIS, WHICH RESULTS FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO

10. TESTING OF THE SUB-BASE, BASE COURSE, BINDER COURSE, SURFACE COURSE AND CONCRETE WORK SHALL BE REQUIRED IN ACCORDANCE WITH THE "I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" CURRENT EDITION, AND IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OF THE GOVERNING MUNICIPALITY. A QUALIFIED TESTING FIRM SHALL BE EMPLOYED BY THE OWNER TO PERFORM THE REQUIRED

11. PAINTED PAVEMENT MARKINGS AND SYMBOLS, OF THE TYPE AND COLOR AS NOTED ON THE CONSTRUCTION PLANS, SHALL BE INSTALLED IN ACCORDANCE WITH SECTION T-502 OF SAME SPECIFICATIONS.

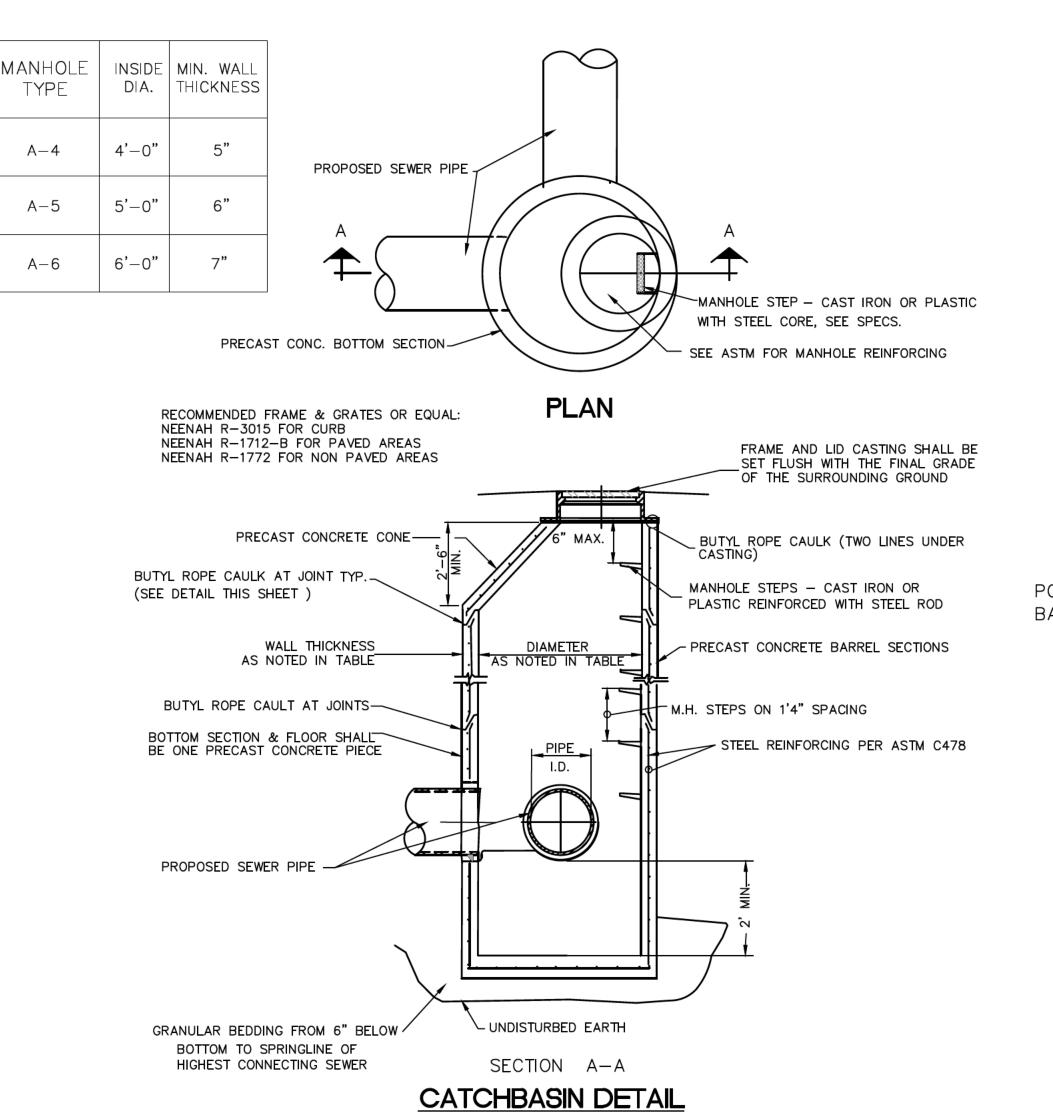
12. PAINTED PAVEMENT MARKINGS AND SYMBOLS SHALL BE INSTALLED ONLY WHEN THE AMBIENT AIR TEMPERATURE IS 40 DEGREES FAHRENHEIT AND THE FORECAST CALL FOR RISING TEMPERATURES.

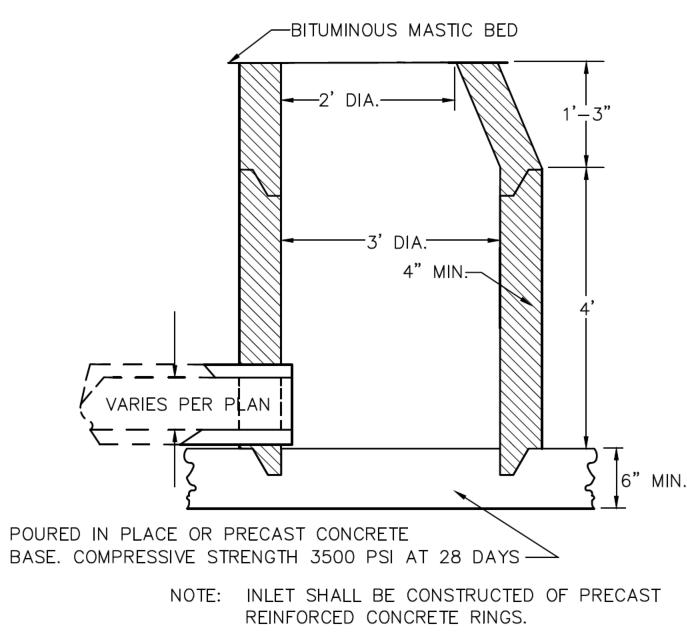
14. ANY SIDEWALK THAT IS DAMAGED OR NOT ADA COMPLIANT, INCLUDING SIDEWALK RAMPS, MUST BE

REPLACED PRIOR TO FINAL INSPECTION APPROVAL.

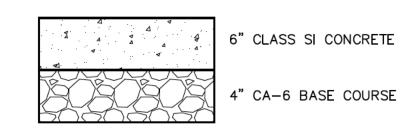
13. ALL EXISTING CURB AND PAVEMENT SHALL BE PROTECT DURING CONSTRUCTION. ANY DAMAGE TO THE CURB OR PAVEMENT WILL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

ALL DISTURBED AREAS SHALL BE SEEDED WITH IDOT CLASS 1A SEEDMIX

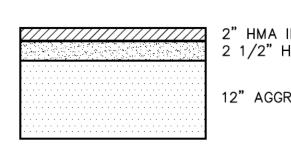




3' DIA. TYPE B INLET



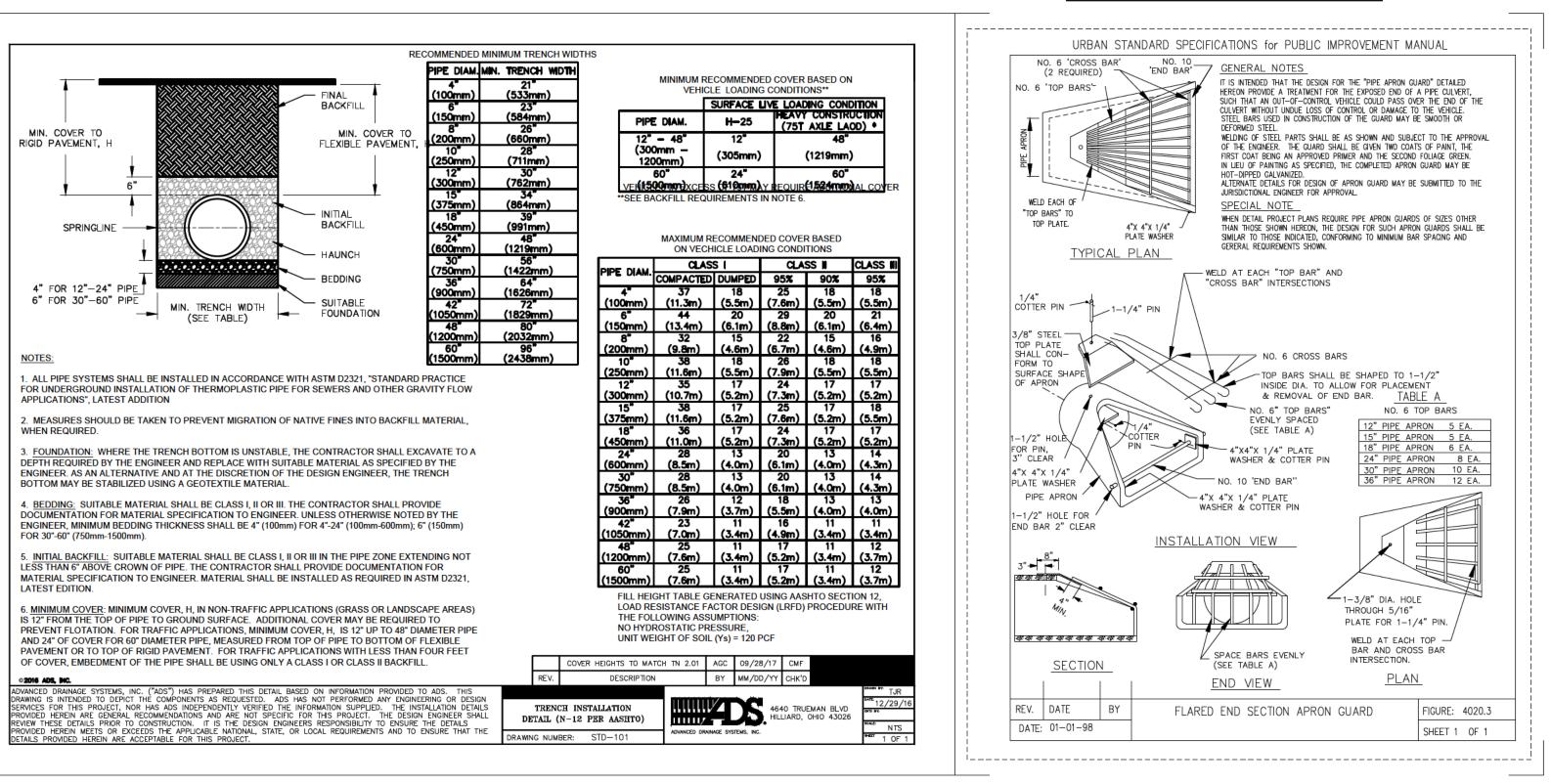
TYPICAL CONCRETE PAVEMENT DETAIL



2" HMA IL-9.5, N-50 SURFACE COURSE 2 1/2" HMA IL-19, N-50 BINDER COURSE

12" AGGREGATE COURSE, TYPE A, CA-6

TYPICAL PAVEMENT DETAIL





TEBRUGGE ENGINEERING
410 E. CHURCH STREET - SUITE A • SANDWICH, IL 60548
PHONE: (815) 786-0195 TEBRUGGEENGINEERING.COM

NO. DATE NOTES

1 11.23.21 KENDALL COUNTY REVIEW EMAIL 11.23.21

TMF PLASTIC SOLUTIONS, LLC 12127 GALENA RD-UNIT B, PLANO, IL 60545 TMF PLASTIC BUILDING ADDITION

GENERAL NOTES & DETAILS

PROJECT NO. 21 504 01

SCALE: NTS

DATE: NOV 15, 2021

SHEET NO.

OF 5 SHEETS

PLAT OF SURVEY

SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS)

SS. COUNTY OF DUPAGE)

I, PETER A. BLAESER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT THE ABOVE DESCRIBED PROPERTY HAS BEEN SURVEYED UNDER MY DIRECTION AND THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

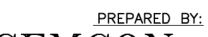
DATED THIS IOTH DAY OF NOVEMBER, 2019.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. J MY REGISTRATION EXPIRES ON NOVEMBER 30, 2020 PROFESSIONAL DESIGN FIRM LICENSE NO.: EXPIRATION DATE IS APRIL 30, 2021

PARCEL ONE; THE NORTHERLY 720 FEET OF THE FOLLOWING DESCRIBED PROPERTY, TO-WIT: THAT PART OF THE EAST HALF OF SECTION I, TOWNSHIP 37 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN; THENCE EAST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER 19.508 CHAINS; THENCE SOUTH 12 DEGREES 40 MINUTES OO SECONDS WEST 22.655 CHAINS; THENCE SOUTH 89 DEGREES 25 MINUTES OO SECONDS WEST 11.535 CHAINS; THENCE SOUTH 27 DEGREES 30 MINUTES OO SECONDS WEST 11.75 CHAINS; THENCE SOUTH 73 DEGREES EAST 6.25 CHAINS; THENCE SOUTH 19 DEGREES WEST 10.04 CHAINS TO THE CENTER OF THE OLD CHICAGO AND GALENA ROAD; THENCE NORTH 79 DEGREES 20 MINUTES 00 SECONDS WEST ALONG THE CENTER OF SAID ROAD. 387.88 FEET TO A POINT: THENCE NORTH 76 DEGREES O5 MINUTES OO SECONDS WEST ALONG THE CENTER LINE OF SAID ROAD 796.12 FEET FOR A POINT OF BEGINNING; THENCE NORTHEASTERLY AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 1200 FEET; THENCE SOUTHEASTERLY PARALLEL WITH THE CENTER LINE OF SAID OLD CHICAGO AND GALENA ROAD 363 FEET: THENCE SOUTHWESTERLY AT RIGHT ANGLES TO THE CENTER LINE OF SAID ROAD 1200 FEET TO THE CENTER OF SAID ROAD; THENCE NORTHWESTERLY ALONG THE CENTER LINE OF SAID ROAD 363 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF LITTLE ROCK, KENDALL COUNTY, ILLINOIS.

PARCEL TWO: EASEMENT FOR INGRESS AND EGRESS FOR BENEFIT OF PARCEL ONE CREATED BY DEED DATED JUNE 2, 1977 AND RECORDED JUNE 3, 1977 AS DOCUMENT 77-3124 MADE BY THE OLD SECOND NATIONAL BANK, AS TRUSTEE UNDER TRUST NUMBER 2598 TO TWINOAK PRODUCTS, INC. OVER THE SOUTHEASTERLY 66 FEET OF THE SOUTHERLY 480 FEET OF THE FOLLOWING DESCRIBED PARCEL: THAT PART OF THE EAST HALF OF SECTION I, TOWNSHIP 37 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN; THENCE EAST ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER 19.508 CHAINS; THENCE SOUTH 12 DEGREES 40 MINUTES OO SECONDS WEST 22.655 CHAINS; THENCE SOUTH 89 DEGREES 25 MINUTES OO SECONDS WEST 11.535 CHAINS: THENCE SOUTH 27 DEGREES 30 MINUTES OO SECONDS WEST 11.75 CHAINS; THENCE SOUTH 73 DEGREES EAST 6.25 CHAINS; THENCE SOUTH 19 DEGREES WEST 10.04 CHAINS TO THE CENTER OF THE OLD CHICAGO AND GALENA ROAD; THENCE NORTH 79 DEGREES 20 MINUTES OO SECONDS WEST ALONG THE CENTER OF SAID ROAD 387.88 FEET TO A POINT; THENCE NORTH 76 DEGREES 05 MINUTES OO SECONDS WEST ALONG THE CENTER LINE OF SAID ROAD 796.12 FEET FOR A POINT OF BEGINNING; THENCE NORTHEASTERLY AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 1200 FEET; THENCE SOUTHEASTERLY PARALLEL WITH THE CENTER LINE OF SAID OLD CHICAGO AND GALENA ROAD 363 FEET; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO THE CENTER LINE OF SAID ROAD 1200 FEET TO THE CENTER OF SAID ROAD; THENCE NORTHWESTERLY ALONG THE CENTER LINE OF SAID ROAD 363 FEET TO THE POINT OF BEGINNING, IN THE TOWNSHIP OF LITTLE ROCK, KENDALL COUNTY, ILLINOIS.

PREPARED FOR: TMF PLASTICS SOLUTIONS 12127 GALENA ROAD PLANO, IL 60545



E-Mail: cadd@cemcon.com

FIP 3/4"-

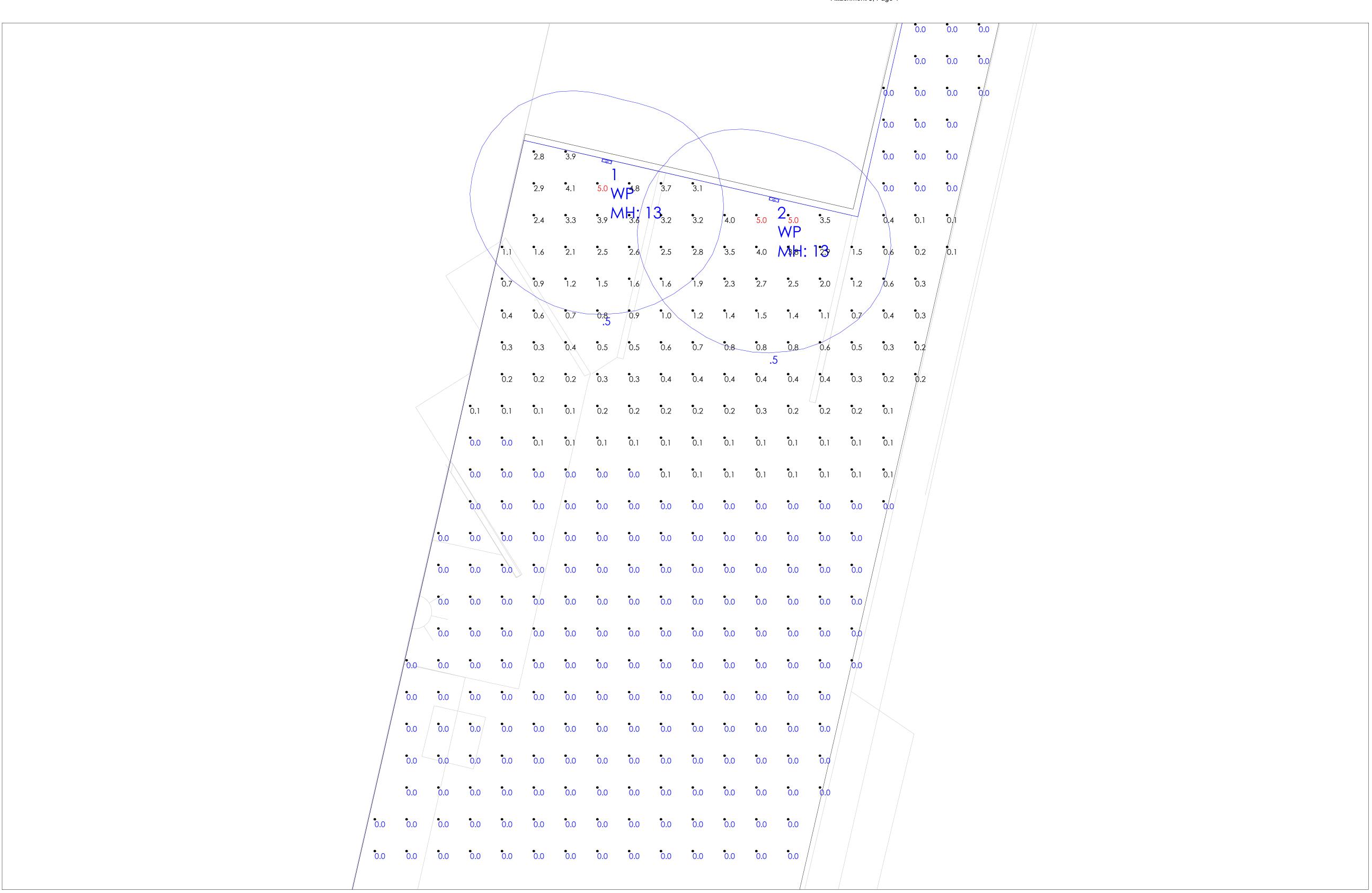


Consulting Engineers, Land Surveyors & Planners 2280 White Oak Circle, Suite 100 Aurora, Illinois 60502-9675 PH: 630.862.2100 FAX: 630.862.2199

DISC NO.: 460053 FILE NAME: ALTA UPDATE DRAWN BY: LAL FLD. BK. / PG. NO.: 809/16-23 COMPLETION DATE: 6-26-12 JOB NO.: 460.053 REVISED: 11-10-19/SMR UPDATED SURVEY

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Website: www.cemcon.com



Luminaire S	uminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.												
Symbol	Qty	Tag	Arrangement	Lum. Watts	Arr. Watts	Lum. Lumens	Arr. Lum. Lumens	LLF	Manufacturer	Description			
B	2	WP	Single	29.1	29.1	3060	3060	0.900	HUBBELL OUTDOOR LIGHTING	SG1-30-4K7-FT			

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE_Planar	Illuminance	Fc	0.46	5.0	0.0	N.A.	N.A.

Luminaire Location Summary											
LumNo	Label	Mtg Ht	Orient	Tilt							
1	SG1-30-4K7-FT	13	256	0							
2	SG1-30-4K7-FT	13	256	0							

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Attachment 5, Fage 2

TYPE: PROJECT:

CATALOG #:

SLING Series

SLENDER WALLPACK

FEATURES

- Two sizes for a variety of applications
- · Ranges from 21W to 80W with up to 8000 lumens
- SG1 Series replaces from 100W-150W HID; SG2 Series replaces from 150W-250W HID
- Comfort lens available as an option or accessory provides glare control and enhanced uniformity
- Knuckle and trunnion accessory mounting kits available for flood applications
- IP65 and certified to UL 1598 for use in wet locations up to 40°C ambient
- DLC (DesignLights Consortium Qualified see www.designlights.org









RELATED PRODUCTS

8 LNC Litepak

8 LNC2 Litepak

8 LNC3 Litepak

tradeSELECT

8 LNC4 Litepak

8 GeoPak

∂ GeoPak2

SPECIFICATIONS

HOUSING

- Rugged die-cast aluminum housing with corrosion resistant powder coat finish
- Heating dissipating fins provide superior thermal performance extending the life of the electronic components
- Impact resistant tempered glass offers zero uplight
- Comfort lens available as an option or accessory to reduce glare (7-10% lumen reduction) and provide better uniformity

OPTICS

- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Smaller SG1 housing has 2 LEDs, larger SG2 housing has 3 LEDs

INSTALLATION

- Side hinge allows for easy installation and wiring
- Side movement avoids damage to the lens and helps prevent injury common in drop down hinge designs
- Mounts to 4" junction box and includes a gasket to help seal electrical connections
- Four 1/2" threaded conduits hubs for surface conduit provided

ELECTRICAL

- 120-277V, 50/60Hz electronic drivers
- 347V and 480V available in large SG2 housing
- 10KA surge protection included

OPTIONS/CONTROLS

- Button photocontrol for dusk to dawn energy savings. Stock versions include 120V-277V
 PC with a cover which provides a choice to engage photocontrol or not. PC is installed in top hub
- Occupancy sensor available for on/off and dimming control in larger SG2 housing
- SiteSync™ wireless lighting control delivers flexible control strategies for reducing power consumption and minimizing maintenance costs while delivering the right light levels with a simple and affordable wireless solution. See ordering information or visit www.hubbelllighting.com/sitesync for more details
- Battery backup options available in larger SG2 housing rated for either 0° C or -30° C. Performance exceeds NEC requirement providing 1 fc minimum over 10'x10' at 11' mounting height

CERTIFICATIONS

- DesignLights Consortium® (DLC) qualified.
 Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 for use in wet location, listed for -40°C to 40°C applications
- IDA approved with zero uplight for 3000K and warmer CCTs
- IP65

WARRANTY

- 5 year limited warranty
- See <u>HLI Standard Warranty</u> for additional information

KEY DATA									
Lumen Range	2263-8079								
Wattage Range	21-80								
Efficacy Range (LPW)	101-113								
Fixture Projected Life (Hours)	L70>50K								
Weights lbs. (kg)	4.3-11 (2.0-5.0)								





Attachmen	it [®] A⊺Page 3	LOCATION:
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	TYPE:	PROJECT:
	CATALOG #:	

SLING SERIES

SLENDER WALLPACK

ORDERING GUIDE

Example: SG1-20-3K7-FT-UNV-DBT-PCU-CS
CATALOG #

ORDERING INFORMATION

	_]-[_[_[_]_		
Housing	ССТ	/CRI		Distribution	ı	Voltag	ge		Color	/Finish		Control (Options		Optio	ons
SG1-10 Size 1, 10W SG1-20 Size 1, 20W SG1-30 Size 1, 30W SG1-40 Size 1, 40W SG2-50 Size 2, 50W SG2-80 Size 2, 80W	3K7 4K7 5K7	3000K, 70 CRI 4000K, 70 CRI		FT Fwd Throw		UNV 120 277	120V-277V 120V 277V 347V-480V		BLT BLS DBT DBS GTT LGS PSS WHT WHS VGT	Black Matte Textured Black Gloss Smooth Dark Bronze Matte Textured Dark Brone Gloss Smooth Graphite Matte Textured Light Grey Gloss Smooth Platinum Silver Smooth White Matte Textured		PCU SCP ^{1,2,3} SWP ^{1,2} SWPM ^{1,2}	Universal Button Photocontrol (120-277V) Occupancy Sensor Programmable (Dim) SiteSync Pre-commission SiteSync Pre-commission w/ Sensor WTG HT for SCO/SCP & SWPM Up to 8' Up to 20'		CS E ¹² EH ¹²	Comfort Lens Battery 0°C

Notes:

- 1 Available in SG2 only, UHV available in SG2-50 only
- 2 Sensor controls & battery backup can not be used with flood accessory or kit or for inverted/up mounting, 120-227V only for SCO/SCP, 120 or 277 only for SWP, SWPM, E & EH
- 3 Must order minimum of one remote control to program dimming settlings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only

STOCK ORDERING INFORMATION

Catalog Number	CCT/CRI	Wattage	Mounting Height	Color	Color	Delivered Lumens	LPW	Weight lbs. (kg)
SG1-10-PCU	5000K/70	11W	8–12ft	120-277V	Dark Bronze	1349	122	4.3 (2.0)
SG1-10-4K-PCU	4000K/70	11W	8–12ft	120-277V	Dark Bronze	1424	129	4.3 (2.0)
SG1-20-PCU	5000K/70	21W	8–12ft	120-277V	Dark Bronze	2263	108	4.3 (2.0)
SG1-20-4K-PCU	4000K/70	21W	8–12ft	120-277V	Dark Bronze	2310	110	4.3 (2.0)
SG1-30-PCU	5000K/70	29W	10-15ft	120-277V	Dark Bronze	3270	113	4.3 (2.0)
SG1-30-4K-PCU	4000K/70	29W	10-15ft	120-277V	Dark Bronze	3060	105	4.3 (2.0)
SG1-40-PCU	5000K/70	38W	10-15ft	120-277V	Dark Bronze	4008	105	4.3 (2.0)
SG1-40-4K-PCU	4000K/70	38W	10-15ft	120-277V	Dark Bronze	4070	106	4.3 (2.0)
SG2-50-PCU	5000K/70	51W	12-18ft	120-277V	Dark Bronze	5548	110	11 (5.0)
SG2-50-4K-PCU	4000K/70	51W	12-18ft	120-277V	Dark Bronze	5526	109	11 (5.0)
SG2-80-PCU	5000K/70	80W	15-25ft	120-277V	Dark Bronze	8061	101	11 (5.0)
SG2-80-4K-PCU	4000K/70	80W	15-25ft	120-277V	Dark Bronze	8079	101	11 (5.0)





Attachment ਤ੍ਰਿ Page 4	LOCATION:
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TYPE:	PROJECT:
CATALOG #:	

SLING SERIES SLENDER WALLPACK

SLLINDLK WALLFACK

ORDERING GUIDE

OPTIONS AND ACCESSORIES

Catalog Number	Description	Weight lbs. (kg)
SG1-CS	Acrylic comfort lens for SG1	1 (.45)
SG2-CS	Acrylic comfort lens for SG2	1 (.45)
SG1-YOKE	SG1 Series Yoke/Floodlight mount kit, includes visor	2.0 (1.0)
SG1-KNUCKLE	SG1 Series Knuckle/Floodlight mount kit, includes visor	2.0 (1.0)
SG2-YOKE	SG2 Series Yoke/Floodlight mount kit, includes visor	2.0 (1.0)
SG2-KNUCKLE	SG2 Series Knuckle/Floodlight mount kit, includes visor	2.0 (1.0)
SCP-REMOTE*	Remote control for SCP option. Order at least one per project to program and control fixtures	1 (.45)
SG1-SPC	Vandal Resistant Lens (shield polycarbonate), SG1	3 (1.5)
SG2-SPC	Vandal Resistant Lens (shield polycarbonate), SG2	3 (1.5)
SG1-WCP	Universal Wall Cover Plate, Dark Bronze, SG1	10 (5)
SG2-WCP-H	Horizontal Mount Wall Cover Plate, Dark Bronze, SG2	10 (5)
SG2-WCP-V	Vertical Mount Wall Cover Plate, Dark Bronze, SG2	10 (5)
SG2XL-WCP-H	Horizontal Mount Wall Cover Plate, DB, SG2 with battery or sensor	10 (5)
SG2XL-WCP-V	Vertical Mount Wall Cover Plate, DB, SG2 with battery or sensor	10 (5)

ACCESSORIES AND SERVICES (ORDERED SEPARATELY)

Control Options							
SWUSB ¹	SiteSync™ interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync™ license, software and USB radio bridge node.						
SWTAB ¹	Windows tablet and SiteSync™ interface software. Includes tablet with preloaded software, SiteSync™ license and USB radio bridge node.						
SWBRG ²	SiteSync™ USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.						

Notes:

- 2 If needed, an additional Bridge Node can be ordered.





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Attachment 5, Page 5	LOCATION:
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PROJECT:

CATALOG #:

TYPE:

PERFORMANCE DATA

Description	# of	# of Drive System		5K (5000K NOMINAL 70 CRI)			4K (4000K NOMINAL 70 CRI)				3K (3000K NOMINAL 80 CRI)							
Description	LEDs	Current	Watts	Lumens	LPW	В	U	G	Lumens	LPW	В	U	G	Lumens	LPW	В	U	G
SG1-10	2	140mA	11	1349	122	1	0	0	1424	129	1	0	0	1003	91	1	0	0
SG1-20	2	250mA	21	2449	115	1	0	0	2310	110	1	0	0	2054	95	1	0	0
SG1-30	2	350mA	29	3332	117	2	0	0	3060	106	1	0	0	2913	100	1	0	0
SG-40	2	450mA	38	4008	105	2	0	0	4070	106	2	0	0	3845	100	2	0	0
SG2-50-UHV	3	350mA	44	4633	106	2	0	0	4609	105	2	0	0	3895	90	2	0	0
SG2-50	3	415mA	51	5548	109	2	0	0	5526	107	2	0	0	4700	92	2	0	0
SG2-80	3	650mA	80	7851	98	2	0	1	8079	103	2	0	1	6721	86	2	0	1

^{*347} and 480 VAC input Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment application and inherent performance balances of the electrical components.

ELECTRICAL DATA

Catalog number	# of Drivers	Input Voltage	Current (AMPS)	System Power
501.10	1	120	0.09	11.0
SG1-10	1	277	0.04	11.0
SG1-20	1	120	0.18	21.0
SGI-20	1	277	0.08	21.0
SG1-30	1	120	0.24	28.9
361-30	1	277	0.10	28.9
	1	120	0.32	38.3
SG2-40	1	277	0.14	38.3
SG-50-UHV	1	347	0.13	43.5
SG-50-UHV	1	480	0.18	43.5
SG2-50	1	120	0.42	50.6
562-50	1	277	0.18	50.6
SG2-80	1	120	0.68	79.8
3G2-80	1	277	0.29	79.8

PROJECTED LUMEN MAINTENANCE

A made i a mat	OPERATING HOURS							
Ambient Temperature	0	25,000	50,000	TM-21-11 ¹ L96 60,000	100,000	L70 (Hours)		
25°C / 77°F	1.00	0.98	0.97	0.96	0.95	>791,000		
40°C / 104°F	0.99	0.98	0.96	0.96	0.94	>635,000		

^{1.} Projected per IESNA TM-21-11 $^{\circ}$ (Nichia 219B, 700mA, 85 $^{\circ}$ C Ts, 10,000hrs) Data references the extrapolated performance projections for the base model in a 40 $^{\circ}$ C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08





Attachment SATE age 6

TYPE: PROJECT:

CATALOG #:

SLING SERIES

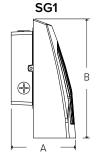
SLENDER WALLPACK

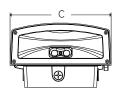
LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Te	Lumen Multiplier	
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99
50° C	122° F	0.96

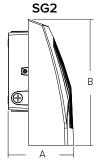
Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^{\circ}\text{C}$ (32-104 $^{\circ}\text{F}$).

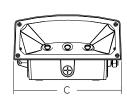
DIMENSIONS





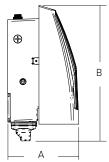
Α	В	С	Weight
4.19"	7.80"	6.61"	4.4lbs
(107mm)	(198mm)	(168mm)	(2kg)

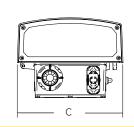




Α	В	С	Weight
5.80"	11.14"	9.52"	11lbs
(147mm)	(283mm)	(242mm)	(5kg)

SG2 with occupancy sensor and battery options





Α	В	С	Weight
7.26"	13.84"	9.52"	11lbs
(184mm)	(352mm)	(242mm)	(5kg)



SLING SERIES

SLENDER WALLPACK

Attachment ¹	^{ATE} age 7	LOCATION:
	TYPE:	PROJECT:
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CATALOG #:

PHOTOMETRY

SG1-10-4K7

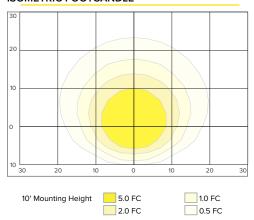
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	Forward Throw
Delivered Lumens	1424
Watts	11.4
Efficacy	125
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	996.6	70.0
Downward House Side	427.8	30.0
Downward Total	1424.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1424.4	100.0

ISOMETRIC FOOTCANDLE



SG1-20-4K7

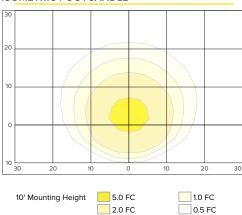
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	Foward Throw
Delivered Lumens	2310
Watts	20.9
Efficacy	111
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1618	70.0
Downward House Side	692.1	30
Downward Total	2310	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2310.3	100.0

ISOMETRIC FOOTCANDLE



SG1-30

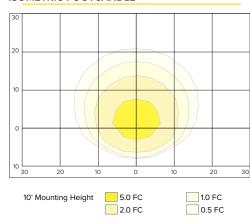
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	Forward Throw
Delivered Lumens	3060
Watts	29.1
Efficacy	105
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2619.4	70.9
Downward House Side	890.4	29.1
Downward Total	3059.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3059.8	100.0

ISOMETRIC FOOTCANDLE





Attachment 5, Page 8

LOCATION:

TYPE:

PROJECT:

CATALOG #:

SLING SERIES

PHOTOMETRY

SG1-40-4K7

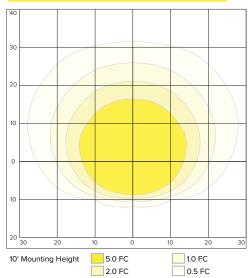
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	Foward Throw
Delivered Lumens	4070
Watts	38.1
Efficacy	107
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2857.7	70.2
Downward House Side	1215.5	29.8
Downward Total	4070.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4070.2	100.0

ISOMETRIC FOOTCANDLE



SG2-50-4K7

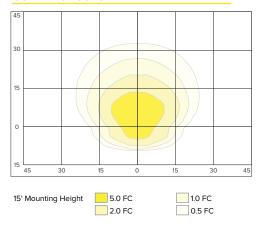
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	Foward Throw
Delivered Lumens	5525.7
Watts	51.7
Efficacy	107
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4611.8	83.5
Downward House Side	913.9	16.5
Downward Total	5525.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5525.7	100.0

ISOMETRIC FOOTCANDLE



SG2-80-4K7

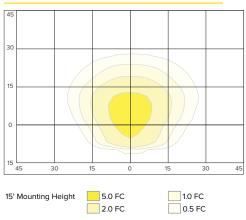
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	Foward Throw
Delivered Lumens	8453
Watts	78.5
Efficacy	108
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire	
Downward Street Side	6677.7	79.0	
Downward House Side	1775.5	21.0	
Downward Total	8453.2	100.0	
Upward Street Side	0.0	0.0 0.0 0.0	
Upward House Side	0.0		
Upward Total	0.0		
Total Flux	8453.2	100.0	

ISOMETRIC FOOTCANDLE





Attachment ਨੇ\TPage 9	LOCATION:
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TYPE: PROJECT:

CATALOG #:

SLING SERIES

SLENDER WALLPACK

ADDITIONAL INFORMATION

Shipping Information

Catalog Number G.W(kg)/ CTN	Carton Dimensions			Carton Qty.		
	Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	per Master Pack	Pallet Qty.	
SG1	4.35lbs (2kg)	9.5 (24)	8.25 (21)	5.25 (13)	6	98
SG2	11lbs (5kg)	14 (36)	11.5 (29)	8 (20)	2	64

Accessories and Services



Acrylic comfort lens provides glare control, improved visual comfort and better uniformity



Visor accessory accessory kits



Flood mounting accessories - 1/2" threaded included with mounting knuckle or yoke (includes grommet and 3' SO cord)

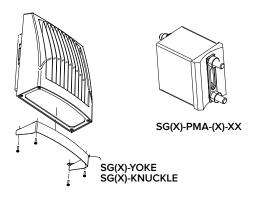


Photocontrol option available for energysaving dusk-to-dawn operation

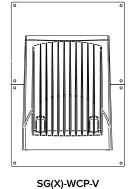


Side hinged for easy installation and wiring access, single screw secures housing closure









Features



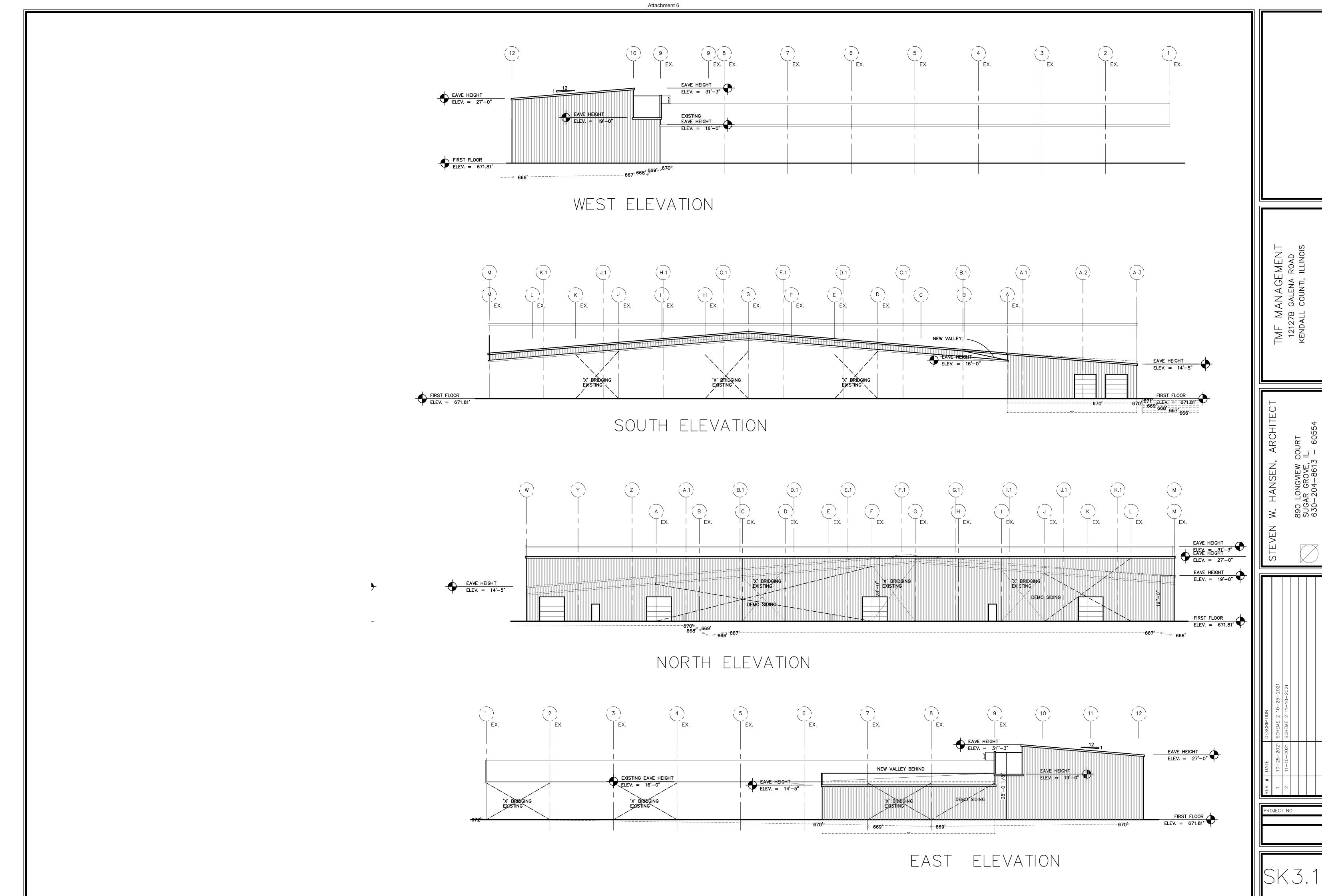
Battery back up feature with side indicator.

Exceeds Life Safety Code average illuminance of 1.0 fc. at 12' mounting height. Assumes open space with no obstructions. Battery backup units consume 6W when charging a dead battery and 2W during maintenance charging. EH (units with a heater) consume up to an additional 8W when charging if the battery temp is lower than 10°C

Diagrams for illustration purposes only, please consult factory for application layout.



SiteSync™ Lighting Control delivers flexible control strategies for reducing power consumption and minimizing maintenance costs while delivering the right light levels with a simple and affordable wireless solution.



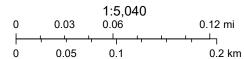
Attachment 7



November 23, 2021

Kendall County Address Points Parcels

Ownership Parcel



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TEBRUGGE ENGINEERING

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November 23, 2021

Mr. Matt Asselmeier Kendall County Planning, Building and Zoning Department 111 W Fox St Room 204 Yorkville, IL 60560-1498

Re: TMF Plastic Building Addition

12127 Galena Rd – Unit B

Plano, IL

Dear Mr. Asselmeier,

We have completed the revisions per your review letter received on 11.23.21 A copy of the revised Civil Site Plans and Final Plan is enclosed.

- 1 The zip code was corrected.
- 2. We did find that there were two signs in the parking lot, so we added a second striped handicap stall.
- 3. The north doors do not require any access drive.
- 4. The facility runs 3 shifts and has 32 employees per shift. There are no company vehicles.
- 5. We have added a 6' chain link fence with vinyl slats along the east property line in front of the docks.
- 6. The back area near the docks acts as a loading berth.
- 7. Side and rear yard setbacks are detailed off the corners of the building. The setbacks meet the M-I zoning requirement.
- 8. There is no mechanical equipment on the roof. No HVAC on this building addition.
- 9. The lighting levels at the property line meet the 0.2 requirements.
- 10. The addition does not need any refuse containers.

If you have any additional questions, please contact us.

Sincerely,

Tebrugge Engineering



John Tebrugge