

Wednesday, May 31, 2023

5:30 PM

McFarland Municipal Center
Community Room

AGENDA

You are invited to this meeting through a Zoom webinar. The public may attend in-person or remotely through the webinar or telephone options listed below.

PLEASE CLICK THE LINK BELOW TO JOIN THE ZOOM WEBINAR:

<https://us02web.zoom.us/j/89258984516>

Or by Telephone: +1 (312) 626-6799

Webinar ID: 892 5898 4516

Press *9 to raise/lower hand. Press *6 to mute/unmute.

1. CALL TO ORDER.

2. ROLL CALL.

3. PUBLIC APPEARANCES.

- a. This is an opportunity for members of the public to address the Village Board for items that are not on the agenda. Please remember this is a hybrid meeting conducted in person and through the Zoom online meeting platform. Meeting attendees wishing to address the Board about items not on the agenda may do so at this time. Zoom attendees should type their name and address in the Question and Answer feature within the Zoom online meeting platform at this time. Members of the public who are present in person and wish to address the Board should fill out a public comment form and turn into the meeting chairperson. When you are called upon to speak, state your name, address, and provide your comments to the Board for their consideration. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to village.clerk@mcfarland.wi.us to be included as part of the meeting.

Members of the public may also speak during their selected agenda item as they designate on the public comment form or in the Question and Answer feature on Zoom.

4. BUSINESS.

- a. Discussion and action regarding proposed Change Order #15 for the Public Safety Center project regarding to extend the final completion date for the repairs on the sinkhole.
- b. Discussion regarding revisions to the Village's Mission and Vision Statements.
- c. Discussion regarding 2023-2024 McFarland Strategic Implementation Plan as the Village Board goals and objectives for the coming year.
 - 1) Goal A: McFarland Municipal Center Campus
 - 2) Goal B: Public Infrastructure
 - 3) Goal C: Housing and Economic Development
 - 4) Goal D: Village Government

5. SCHEDULE NEXT MEETING DATE.

- a. June 13, 2023 - Committee of the Whole - 5:30 p.m.
- b. June 13, 2023 - Village Board - 7:00 pm
- c. June 15, 2023 - Special Village board (Strategic Planning Meeting #2) - 5:30 p.m.
- d. June 27, 2023 - Village Board - 7:00 p.m.

6. ADJOURNMENT.

Any person who has a qualifying disability as defined by the Americans with Disabilities Act that requires the meeting or materials at the meeting to be in an accessible location or format should contact the McFarland Municipal Center at (608)838-3153, 5915 Milwaukee Street, McFarland, Wisconsin, or village.clerk@mcfarland.wi.us by 2:00 p.m. at least 5 business days prior to the meeting so that any necessary arrangements can be made to accommodate each request. If the meeting or request is less than 5 business days from the meeting, requests for accommodations may still be made and reasonable efforts will be made to accommodate each request.

McFarland
SUMMARY SHEET

MEETING DATE: Wednesday, May 31, 2023

SECTION: Business

DEPARTMENT: Administration

CONTACT: Matt Schuenke, Village Administrator

AGENDA ITEM: Discussion and action regarding proposed Change Order #15 for the Public Safety Center project regarding to extend the final completion date for the repairs on the sinkhole.

PREVIOUS ACTION:

Change Order #01 was approved by the Village Board at its meeting on March 14, 2022.

Change Order #02 was approved by the Village Board at its meeting on April 11, 2022.

Change Order #03 was approved by the Village Board at its meeting on May 10, 2022.

Change Order #04 was approved by the Village Board at its meeting on June 14, 2022.

Change Order #05 was approved by the Village Board at its meeting on September 13, 2022.

Change Order #06 was approved by the Village Board at its meeting on October 11, 2022.

Change Order #07 was approved by the Village Board at its meeting on November 10, 2022.

Change Order #08, #09, and #10 were approved by the Village Board at their meeting on December 13, 2022.

Change Order #11 was approved by the Village Board at their meeting on February 14, 2023.

Change Order #12 was approved by the Village Board at their meeting on March 14, 2023.

Change Order #13 was approved by the Village Board at their meeting on April 25, 2023.

Change Order #14 was approved by the Village Board at their meeting on May 23, 2023.

ISSUE SUMMARY:

As discussed at our last meeting, we need to address final improvements to solidify the Public Safety Center as a result of the sinkhole that had previously developed in March. We had previously adopted the following change orders at a previous meeting as follows:

- **111.01r1 Emergency Stabilization** - This work includes the initial on-site investigation



of the sink hole and emergency stability of exposed footing with the lean concrete mix.

These costs have been incurred by the contractor and the work completed. The cost was presented at and remains \$41,091.

- **111.02 Daily Monitoring and Documentation** - This work includes daily monitoring and documentation of the sinkhole condition including concrete lean fill, footing elevations, and building interior finishes from March through project completion in June. Some of these costs have been incurred by the contractor and some remain as the project continues. The cost was presented at and remains \$24,029.
- **111.04 Slab on Grade (SOG) Stabilization** - This work includes installation of permanent underslab (floor) stabilization at sinkhole. Based on design and specification review, the geotechnical engineer is recommending a poly-urethane fill that will support the floor where the subgrade used to be without adding a significant amount of weight. The cost was presented at and remains \$102,666.
- **111.03r1 Footing Stabilization** - This work includes installation of permanent footing stabilization at sink hole through the addition of micropiles. As of the time of packet development, design was in process and informed by boring data supplied by the geotechnical engineering report on May 24th. The cost was presented at \$69,900 but will be increased due to the change in scope for the micropiles. The report indicated the need to extend the micropiles deeper into the subsurface resulting in the need for more material and time to do the work.

All of this was approved via Change Order #13 which also extended the date for substantial completion to June 5, 2023. Final reporting this week was good in that it will guide final design parameters but will result in changes to our approach to address the sinkhole. As a result, Change Order #15 is proposed to address the remaining work necessary to address the sinkhole and guide the project to completion. At the time of packet distribution, it has not been drafted and not included in your packet as the Contractor, Sub-Contractors, and Consultants are working to bring together the final details for its consideration. Additionally, it will be presented in draft form deferring final approval to the Village Administrator, and/or designee, due to the complexity of what is needed to address the issue. The final approval needed by the Village Board in our meeting will address the following:

- **Footing Stabilization REVISED** - The micropiles will need to be extended lower into the ground. The design engineer for the foundation company that installs the micropiles will provide this depth. It will be verified by the architect and structural engineer once provided. Deeper piles will require additional cost and time to cure once complete. Estimates will be presented in the meeting based on the draft change order.
- **Pressurized Grouting NEW** - As the report indicates, there are voids at various depths that should be filled in with grout to stabilize the subsurface. The same company that will install the piles will also do this work. Estimates will be presented in the meeting based on the draft change order.
- **Substantial Completion Date EXTENDED** - Occupancy is likely gained once the work above is completed and more time is needed to properly install this work. This is presently to be determined and may vary depending on how the work progresses. One



example is that the pressurized grouting will help guide the design on the micropiles. If its done in that order one happens and then the other which proceeds at a different schedule if it were the other way around. We do not have control over this, we need to rely on the science behind addressing the sinkhole and as a result remain flexible in how we consider each action step. An estimate will likely be provided in the packet but again within the draft subject to further approval administratively.

Once the draft change order is submitted for review, we will forward to the Village Board for consideration. At the latest this will be provided in the meeting on Wednesday. Again, work is proceeding daily to bring this together and we are working as a team to address what's needed to properly finish construction of the facility in a safe manner.

Also included in your packet is the geotechnical report guiding our decision going forward. As one can gather from the report, this is a very complicated issue and there are very choices from which to make a decision. We have to rely on the science behind supporting the structure which is well accounted for within the report and expertise of the individuals working to complete the project. The recommendations are supported by Staff as well as our consulting team and presented for approval to complete construction of the facility. The report also confirms the difficulty to identify this area pre-construction as it is very isolated and confined to the location indicated.

Finally, we continue to push insurance for feedback on their process and their decision on coverage. We are hoping to be able to present that in the meeting as well.

FINANCIAL/BUDGET IMPACT:

Project costs overall were reviewed as part of the Change Order #14 approval at the last meeting. Costs associated with Change Order #13 and #15 will be submitted to insurance for payment for which the claim is being reviewed for coverage.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended Action:

Motion, second to approve Change Order #15 for the Public Safety Center project regarding extension of the final completion date for the repairs on the sinkhole subject to final authorization by the Village Administrator and/or his designee.

The work that is needed to finish the project is identified within this memo. We will discuss that in the meeting. There needs to be flexibility while the work is happening to make decisions as each step informs the other. Transferring approval as an administrative function is needed to ensure the appropriate steps are authorized within the scope of work proposed. The Village



Board will receive a report on the project at its meeting on June 27th and we will provide an update as to where we ended up from draft to final on these approvals.

ATTACHMENTS:

1. C21520-1 McFarland PSC - Soil Collapse Exploration
2. McFarland PSC CO-15 - DRAFT

From: [Ryan Portman](#)
To: [Matt Schuenke](#); [Jordan Schulz](#); [Chris Dennis](#); [Aaron Chapin](#)
Cc: [Justin Buchholz](#); [Michael Schultz](#); [Andrew Miller](#); rjohnson@eciconstructors.com
Subject: C21520-1 McFarland PSC - Soil Collapse Exploration
Date: Wednesday, May 24, 2023 4:18:59 PM
Attachments: [image001.png](#)
[21520-1 McFarland PSC Soil Collapse Data-Information.pdf](#)

Team,

The supplemental soil borings have been completed within and adjacent to the area of the soil collapse that occurred in mid-March 2023 at the new McFarland Public Safety Center located at the southeast corner of Holscher Road and Broadhead Street (County Rd MN) in McFarland, Wisconsin. The soil collapse resulted in a portion of the perimeter wall footing and interior floor slab being unsupported. The approximate location of the soil collapse area is depicted on pages 1-3 of the attachment. Shortly after the soil collapse occurred, a lean mix concrete slurry was placed within the resulting depression to a level just above the bottom of the existing footing to provide temporary support of the undermined footing. However, the undermined floor slab remains unsupported.

The recently completed supplemental soil borings have been designated as GT-1, GT-2 and GT-3. The approximate locations of the supplemental borings, as well as the original soil borings performed in 2020 as part of preliminary design planning (and near the soil collapse area), are depicted on page 4 of the attachment. Logs of the supplemental and 2020 borings are included in the attachment (refer to pages 5-15). Logs of the geothermal wells installed by Bertram Drilling just north of the soil collapse area, as well as a location plan, have also been included in the attachment (refer to pages 18-28).

Subsurface Conditions

Borings GT-1 and GT-3 were performed within the collapsed area to depths of 69.5 ft and 148 ft, respectively, while Boring GT-2 was completed just beyond the limits of the collapsed area to a depth of 58 ft below the ground surface. Additionally, a geoprobe boring was performed at an angle that extended below the building within the collapsed area to a depth of about 48 ft, where the angled boring exited the perceived circular failure zone. Borings GT-1 and GT-2 were performed with a geoprobe rig equipped with 2.25-in. hollow stem augers and an automatic SPT hammer; while GT-3 was completed with a CME-55 drill rig using mud rotary drilling techniques and 4-in. casing being advanced as the borehole progressed. The ground surface elevations at the supplemental boring locations were estimated to be at EL 97.5± by CGC, assuming the top of the perimeter foundation wall is EL 100.

Collapsed Area – Soil Conditions

Boring GT-1 showed extremely loose/soft soils, characterized as colluvial material, to a depth of about 47.5 ft, where apparent loose to dense weathered sandstone was encountered. Apparent voids (or additional very loose/soft soils) were noted within the apparent sandstone at depths near 55 and 63.5 ft in GT-1. Similar loose/soft soil conditions were encountered within the angled geoprobe boring to the termination depth. Within Boring GT-3, the apparent weathered sandstone was loose to medium dense below a depth of about 68.5 ft, based on SPT sampling between 68.5 to 110± ft. Firm to hard drilling was experienced below a depth of about 135 ft in GT-3, as well as between about 112 to 117± ft. The bedrock depths were in general agreement with most of the

geothermal logs in the area. Further, the apparent voids encountered in Boring GT-1 coincide with the “water and gravel” noted on the geothermal well logs at depths in the range of 54 to 58± ft.

Casing needed to be advanced in increments as Boring GT-3 was extended deeper in an effort to maintain circulation of drilling fluids. A plug develops in the bottom of the casing that is removed as the drilling process resumes. If the soils are competent/consistent below the casing tip, then the drilling fluid is recirculated up the casing. Unfortunately, within Boring GT-3, once the plug in the casing was removed, a loss of drilling fluid resulted after each advancement of casing. It is our interpretation that this phenomenon of lost drilling fluid indicates the likely presence of voids, of which the lateral extent is unknown.

Soil Conditions Beyond the Collapsed Area

Boring GT-2 was drilled about 10 ft away from the perceived outside edge of the collapsed area and the soil conditions were similar to those encountered in the 2020 borings done in the area (refer to Logs of Test Borings B-6 and B-7), with medium dense sands typically encountered over sandstone bedrock.

Apparent groundwater appears to have been present below a depth of about 41 to 46± ft below existing grades, based on field observations at Borings GT-1 and GT-2.

Recommendations

In our opinion, the collapsed soil, which has been estimated by the project team to be on the order of 50 to 60 cubic yards, appears to have fallen into an apparent void or interconnected vertical network of voids, which now contain the displaced material, represented by the extremely loose/soft soils encountered in Boring GT-1 to a depth of about 47.5 ft. As a result, CGC recommends that micropiles be considered to support the perimeter footing in the collapsed area and just beyond the limits of the cylindrical area. However, prior to micropile installation, pressure grouting is recommended to fill voids that may remain within the area of the soil collapse.

Pressure Grouting

As noted in Borings GT-1, and as evidenced by the lack of drilling fluid circulation during advancement of GT-3, apparent voids appear to be present at varying depths within the collapsed area. In an effort to prevent future soil collapse and to aid in subsequent micropile installation, pressure grouting of the voids is recommended prior to installation of micropiles. Based on Boring GT-3, pressure grouting to depths of up to 135± ft may be necessary within the collapsed area. It is important to note that the volume of grout required to fill remaining voids within the collapsed area cannot be determined from the subsurface information available. We recommended that an experienced contractor specializing in pressure grouting review this report and the attached information to develop their grouting program. We have copied Mr. Rob Johnson with ECI Constructors, an experienced pressure grouting contractor based in Minnesota (www.eciconstructors.com; (651) 298-9111).

Micropiles

It remains our opinion that micropiles will be suitable to support the existing spread footing within the collapsed soil area, provided that they are extended a sufficient depth into the weathered sandstone after pressure grouting of the apparent voids. Micropile diameters typically range from

about 5 to 9 in. After (or during) drilling, a high-strength threaded steel bar is placed in the borehole and grouted in-place. Grout placement can occur under pressure to improve the bond strength between the grout and formation.

Micropile design should be completed by the specialty contractor installing the micropiles or their design engineer. Mr. Andrew Miller with Midwest Drilled Foundations & Engineering (MDFE) has already been consulted with regard to the use of micropiles within the collapsed area, and he has been copied on this report. We estimate that micropile depths will vary from about 50 to 60 ft adjacent to the collapse area up to about 135 to 145 ft (or deeper) within the collapsed area to develop an appropriate bond length within bedrock. However, the actual depths will be dependent upon the contractor's design.

Floor Slab Support

In our opinion, a lightweight polyurethane foam should be used to fill in the void below the floor slab, as it weighs only 2.5 pcf compared to the alternative elastizell product at 55 pcf. A specialized mud-jacking contractor should be consulted by the project team.

Closing

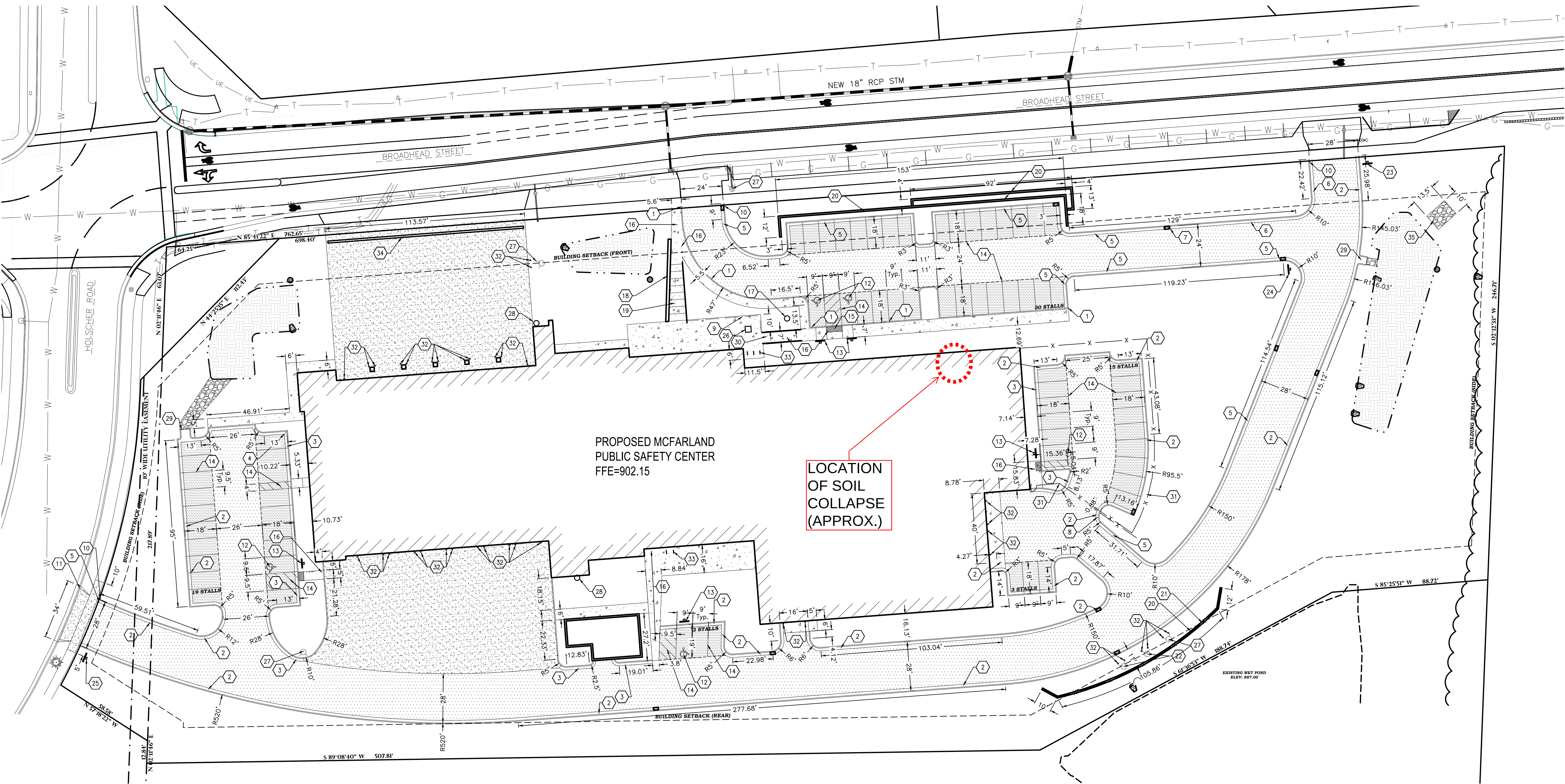
We anticipate that the information provided in this report and the attachment will require further discussion with the specialty contractors selected to perform the remedial work. If you have any questions or need additional information, please contact us.

Ryan J. Portman, P.E.

2921 Perry Street
Madison, WI 53713
Office: 608-288-4100
Cell: 608-440-4193



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GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
- SEE SHEET C4.0 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
- PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
- COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
- PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
- SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
- ALL CONCRETE SAWCUTS SHALL BE AT AN EXISTING JOINT.
- ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED, OR HYDRO MULCHED, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

PROPERTY STATISTICS

EXISTING ZONING = R-1 RESIDENTIAL
LOT SIZE
225,000 S.F. (5.165 ACRES)
PROPOSED BUILDING AREA
48,500 S.F.
PROPOSED PAVED AREA
71,840 S.F.
TOTAL IMPERVIOUS AREA
120,340 S.F.

PROPOSED PARKING STALLS

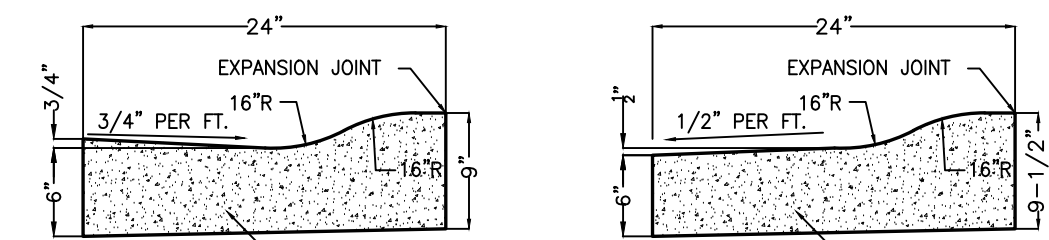
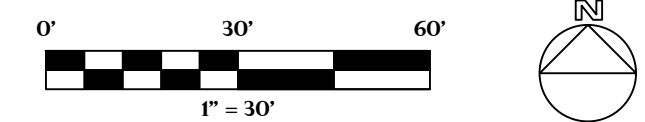
EXISTING ZONING = R-1 RESIDENTIAL
STANDARD PARKING STALLS
55 STALLS
REQUIREMENT HANDICAP STALLS
1 PER 25 STANDARD STALLS
REQUIRED HANDICAP STALLS
3 STALLS
PROPOSED HANDICAP STALLS
4 STALLS
PROPOSED TOTAL PARKING STALLS
59 STALLS

EXISTING CONDITIONS DISCLAIMER

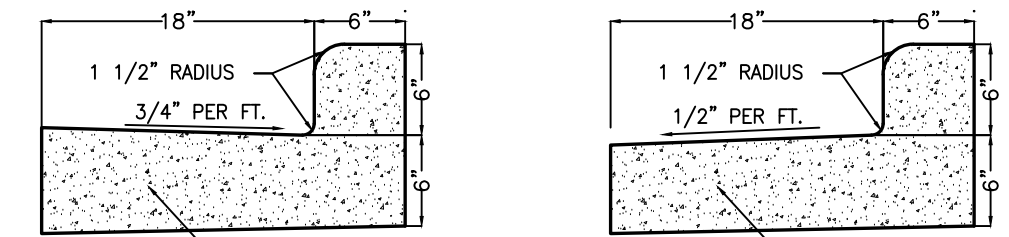
THE EXISTING CONDITIONS SHOWN ON THESE PLANS WAS PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING CONDITIONS SHOWN HEREON.

KEYNOTES:

- THICKENED EDGE WALK
- 24" ROLLED CURB
- 24" ROLLED CURB (REJECT)
- ROLLED CURB TO ROLLED REJECT CURB TRANSITION POINT
- 24" STANDARD CURB & GUTTER
- 24" STANDARD CURB & GUTTER (REJECT)
- STANDARD CURB TO REJECT CURB TRANSITION POINT
- STANDARD CURB TO ROLLED CURB TRANSITION POINT
- CONCRETE RETAINING EDGE
- 6" CURB TAPER SECTION
- CONCRETE DRIVE APRON
- HANDICAP PARKING STALL
- HANDICAP PARKING SIGN
- PARKING LOT STRIPING
- HANDICAP ACCESSIBLE WALK
- ADA ACCESS ROUTE
- PROPOSED FLAGPOLE LOCATION
- PROPOSED MONUMENT SIGN (SEE ARCHITECTURAL PLANS)
- EXTERIOR CONCRETE STAIRS (SEE C3.0 FOR RISER HEIGHTS)
- CMU RETAINING WALL (SEE C3.0 FOR WALL HEIGHTS)
- CMU RETAINING WALL RAILING
- PROPOSED DRY HYDRANT AND RETURN LOCATIONS
- STOP SIGN (R1-1)
- EMERGENCY VEHICLES ONLY (PS-17) AND NO RIGHT TURN (R3-1) SIGNS
- EMERGENCY VEHICLES ONLY (PS-17)
- PROPOSED MONUMENT LOCATION
- PROPOSED FIRE HYDRANT LOCATION
- PROPOSED FIRE DEPARTMENT CONNECTION
- 5" CONCRETE FLUME
- CONCRETE RAMP W/ HANDRAILS
- SECURITY GATE AND FENCE SYSTEM BY AMETCO MANUFACTURING CORP. TYPE: SHADOW 80 HEIGHT: 6'-0" | COLOR: BY OWNER GATE: V-ROLLER INSTALL PER MANUFACTURER'S REQUIREMENTS
- CONCRETE BOLLARD
- BIKE RACK LOCATION
- TRENCH DRAIN
- RIP RAP OVERFLOW WEIR

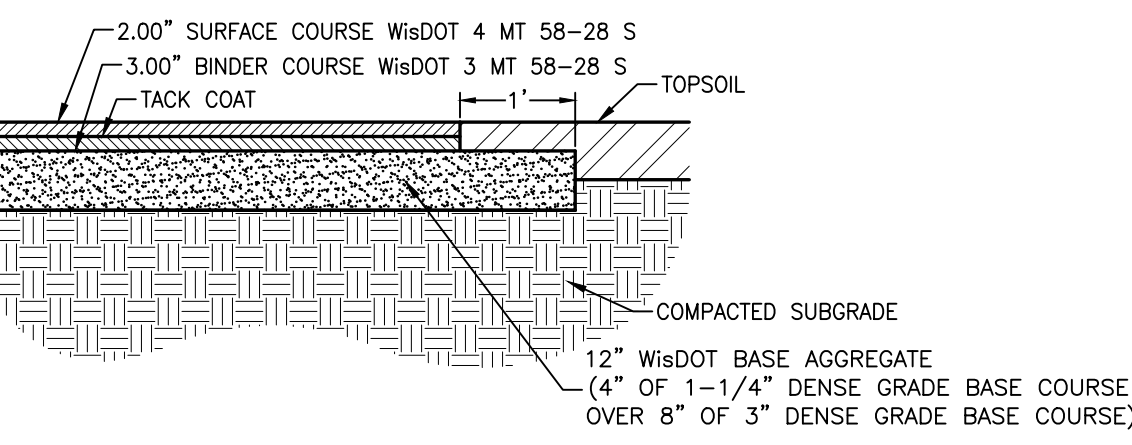


24" ROLLED CURB 24" ROLLED CURB (REJECT)

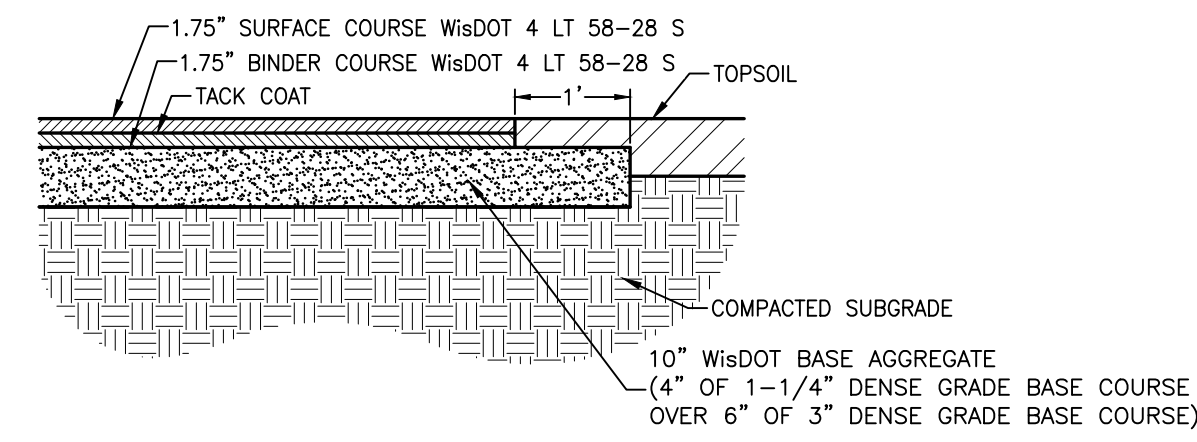


24" STANDARD CURB 24" STANDARD CURB (REJECT)

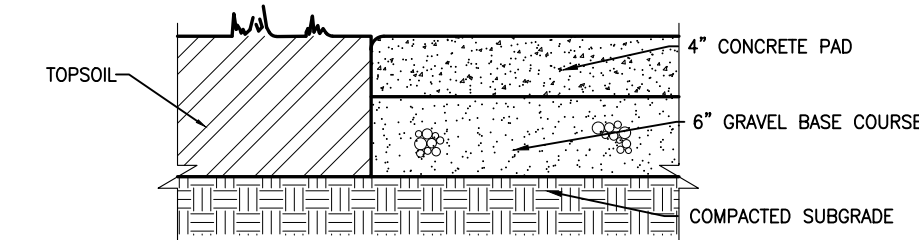
CURB AND GUTTER



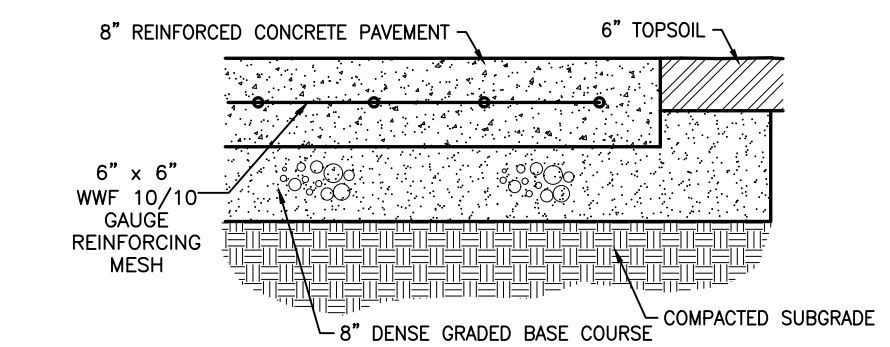
5" ASPHALT PAVEMENT



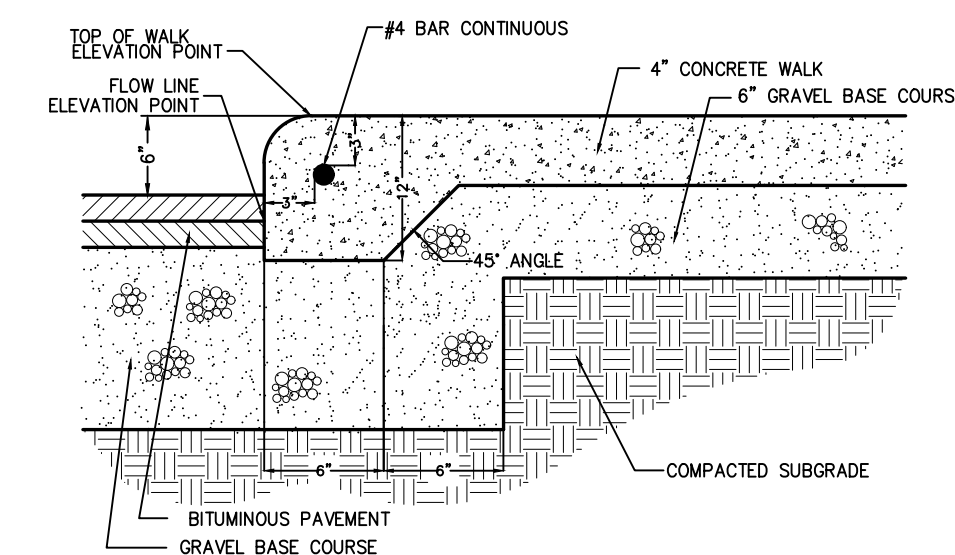
3.5" ASPHALT PAVEMENT



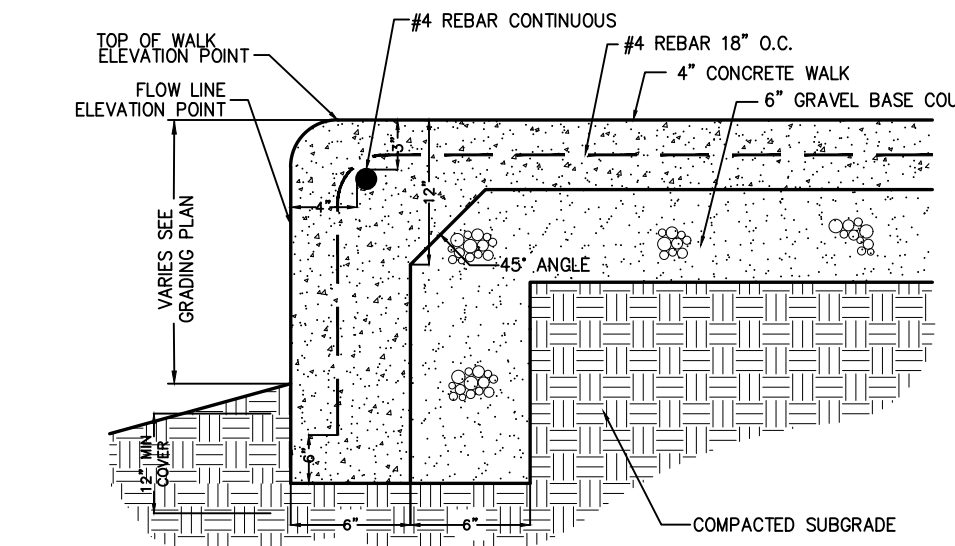
4" SIDEWALK



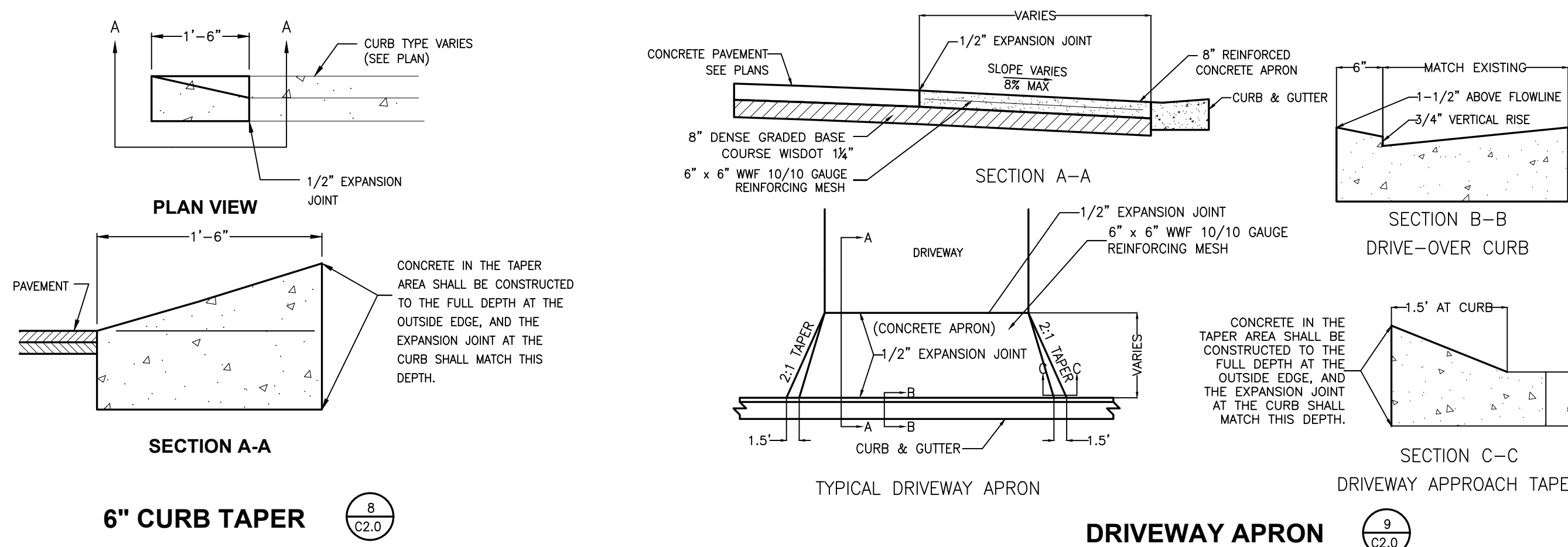
REINFORCED CONCRETE



THICKENED EDGE WALK



CONCRETE RETAINING EDGE



DRIVEWAY APRON

DRIVEWAY APPROACH TAPER

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paul@bray.com

Paul W. Bray
Principal / Registered Professional Engineer

Project Title:
Public Safety Center
Village of McFarland
McFarland, WI 53558

REVISIONS:
A. DATE DESCRIPTION

Project Number:
3488

Issued For:
CONSTRUCTION DOCUMENTS

7/14/2021

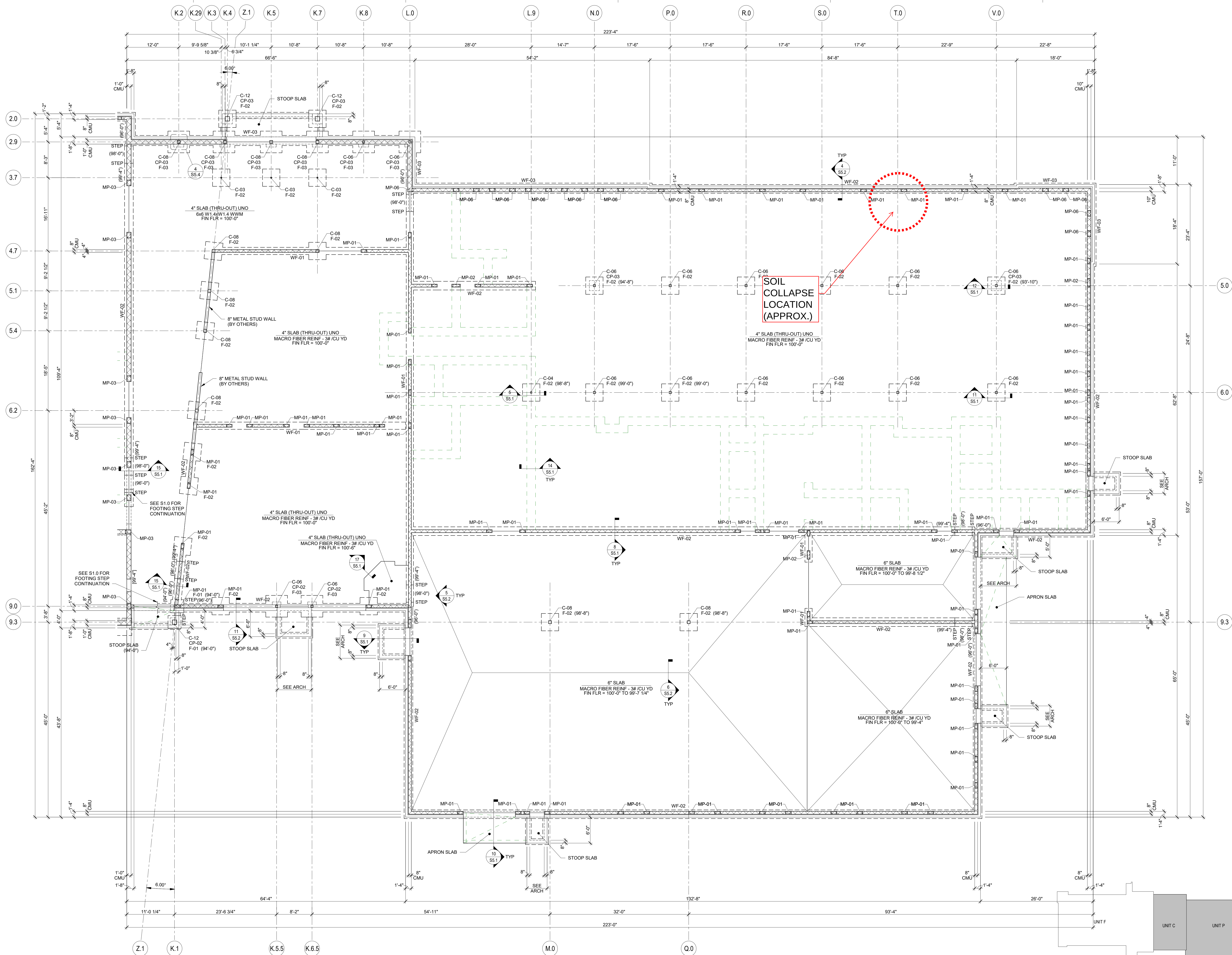
Sheet Title:
SITE LAYOUT PLAN

Sheet Number:
C2.0

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BM 360.3485 - Village of McFarland Public Safety Building 003-337 McFarland Public Safety Bldg. R21.rvt
7/13/2021 11:17:12 AM



NORTH
4A FOUNDATION PLAN - UNIT P AND C
S1.1P SCALE: 1/8" = 1'-0"

KEY PLAN



Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

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AMBROSE
ENGINEERING
PHONE: 262-377-7602
AE PROJECT# 020-337

Project Title:
Public Safety Center
Village of McFarland
McFarland, WI 53558

REVISIONS:
DATE DESCRIPTION

Project Number:

3488

Issued For:

CONSTRUCTION
DOCUMENTS

07/14/2021

Sheet Title:

FOUNDATION
PLAN - UNIT P
AND C

Sheet Number:

S1.1P

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AD-1	ACCESS DOOR, PAINT TO MATCH WALL, TYP HEIGHT AT 1'-4"
AED-1	ADD CABINET
ALT-5	ALT BID #4- BASE BID TO PROVIDE DISPLAY CASE, WING WALLS, AND SOFT AS INDICATED ON DRAWINGS. ALT. BID TO PROVIDE PAINTED CRN WALL AND WALL BASE TO MATCH ADJACENT FINISHES.
DE-1	PISTOL LOCKER
DE-2	WALL MOUNTED BENCH W/ CUFF RINGS
DE-3	FLOOR MOUNTED BENCH W/ CUFF RINGS
DE-4	FLOOR MOUNTED INTERVIEW CHAIR
DE-5	WALL MOUNTED INTERVIEW TABLE
DE-6	DRINKING FOUNTAIN - SEE PLUMBING
EW-2	EYEWASH & SHOWER STATION - SEE PLUMBING
GB-1	GLASS BOARD 8'-0" X 4'-0" PROVIDE BLOCKING AS NECESSARY, OWNER FURNISHED / OWNER INSTALLED.
GB-6	GLASS BOARD 6'-0" X 4'-0" PROVIDE BLOCKING AS NECESSARY, OWNER FURNISHED / OWNER INSTALLED.
GB-8	GLASS BOARD 8'-0" X 4'-0" PROVIDE BLOCKING AS NECESSARY, OWNER FURNISHED / OWNER INSTALLED.
IF-1	10'-0" HIGH INTERIOR CHAIN LINK FENCE ON SURFACE MOUNTED PLATES W/ 8"-0" HIGH GUARD.
KB-1	KEY BOX
LK-5	LOCKERS - BOOKING - SEE INTERIOR FINISH LEGEND FOR COLOR
MS-1	MOP SINK - SEE PLUMBING

**Public Safety Center
Village of McFarland
McFarland, WI 53558**

REVISIONS:	
DATE	DESCRIPTION

488

Issued For:

Construction Documents

7/14/2021

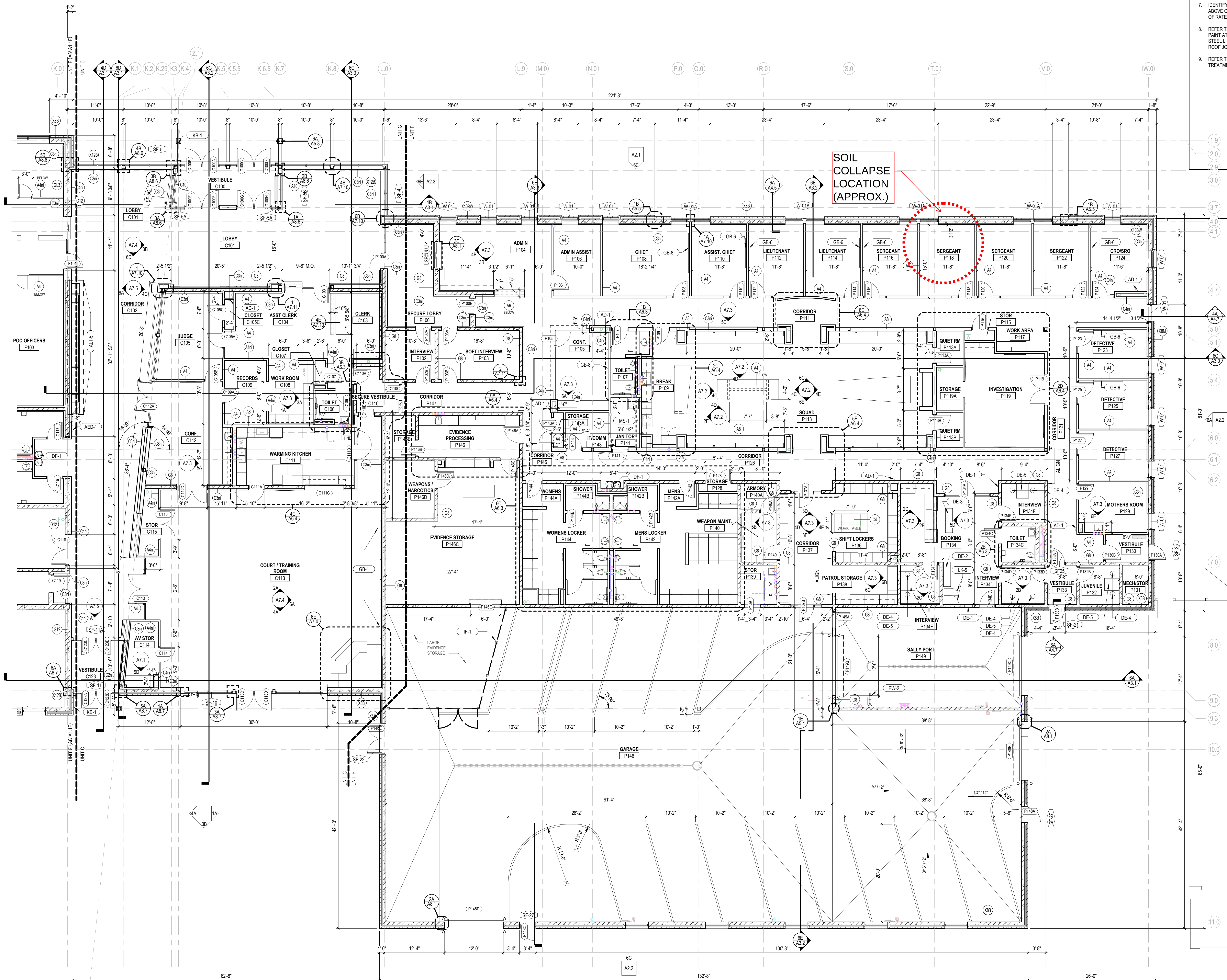
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**FIRST FLOOR
PLAN - UNITS P
& C**

Number:

A1.1P

Associates Architects, Inc.

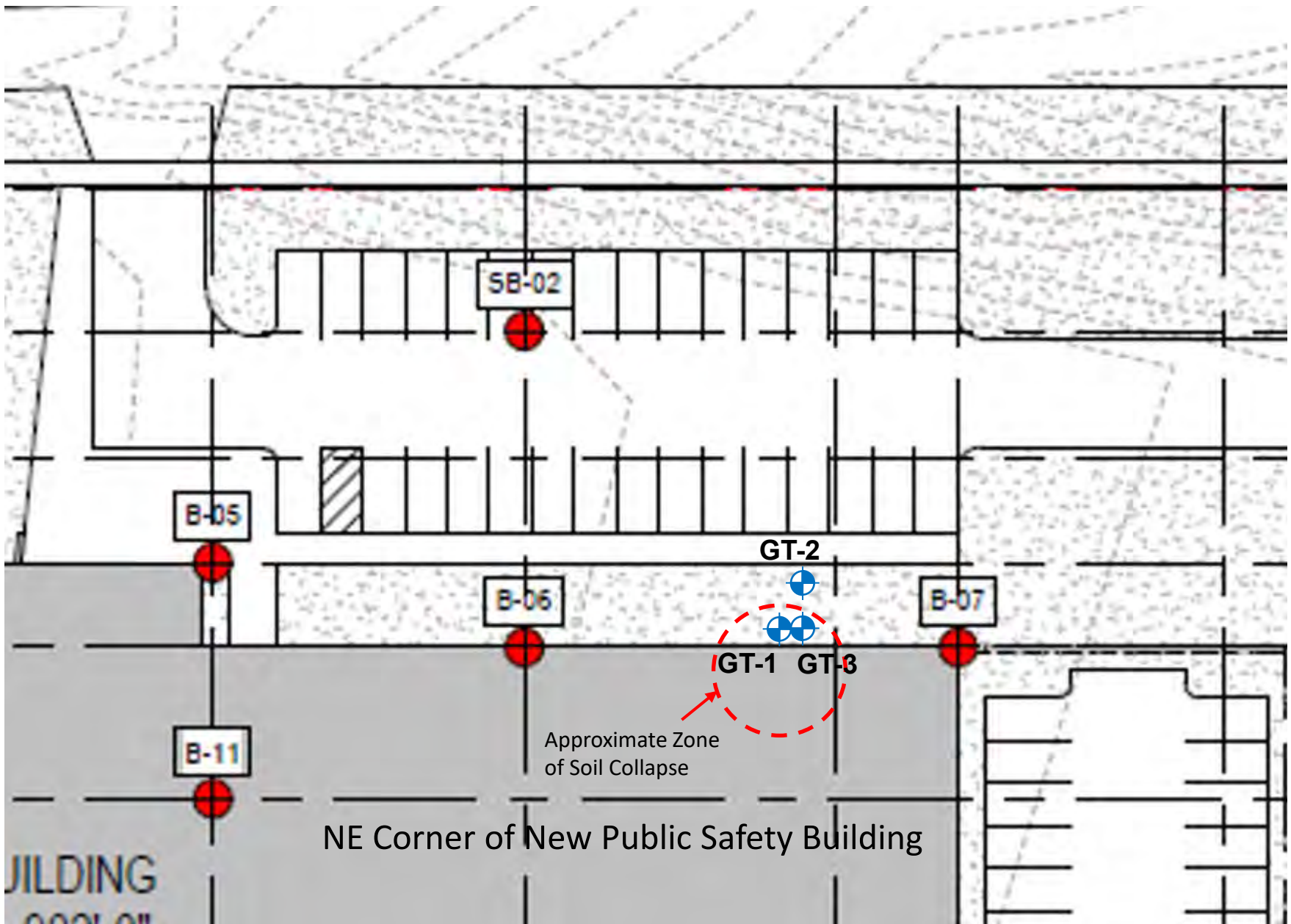


KEY PLAN

BIM 360://3488 - Village of McFarland Public Safety Building/3488 - McFarland PSB - RVT 21 - Central-02.rvt
7/14/2021 7:18:08 AM

FIRST FLOOR PLAN - UNITS P & C

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



 2020 Boring Location
  2023 Boring Location for Soil Collapse

Notes

1. Boring locations are approximate.
2. Base map from Bray Architects.

Scale: Reduced

Date:
5/2023
Job No.
C21520-1

CGC, Inc.

BORING LOCATION EXHIBIT
McFarland Public Safety Building
Broadhead St. & Holscher Rd
 Page 13 of 100



LOG OF TEST BORING

Project McFarland Public Safety Center
 Location McFarland, WI

Boring No. **GT-1**
 Surface Elevation (ft) 97.5±
 Job No. **C21520-1**
 Sheet 1 of 2

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N			qu (qa) (tsf)	W	LL	PL	LOI
1		13	M	32		FILL: Brown Silty Fine Sand, Some Gravel (Driller's Observation) FILL: Lean Concrete					
2		14	M	18							
3		10	M	1		Very Loose, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Clay (SM) (From 6-49± ft, Soil Profile Appears to Consist of Unconsolidated Colluvial Material)					
4		5	M	HW							
5		12	M	HW		Brown Lean CLAY, Some Sand (CL)					
6		13	M	HW		Brown Fine to Medium SAND, Some Silt, Scattered Clay Seams (SM)					
7		15	M	4		Dark Brown to Brown Silty CLAY to SILT, Little Sand (CL-ML/ML)	(2.0)				
8		13	M	2							
9		15	M/W	HW		Brown (Mottled) Lean CLAY, Scattered Sand Seams (CL)	(0.75)				
10		15	M	2			(1.75)				
11		17	M	HW			(0.75)				
12		17	M	HW		(Intermixed Apparent Topsoil in Sample 12)					
13		17	M	HW		Very Loose to Loose, Reddish-Brown Fine to Medium SAND, Some Silt and Gravel (SM) (Stiff Gray Lean Clay Seam within Sample 13)					
14		8	M	1							
15		8	M	5							
16		14	M/W	5							

WATER LEVEL OBSERVATIONS

While Drilling ▽ 46.0' Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 5/15/23 End 5/15/23
 Driller SE Chief CRJ Rig Geoprobe
 Logger Armando Editor RJP 7822DT
 Drill Method 2.25" HSA; Autohammer



LOG OF TEST BORING

Project **McFarland Public Safety Center**
Location **McFarland, WI**

Boring No. **GT-1**
Surface Elevation **97.5±**
Job No. **C21520-1**
Sheet **2** of **2**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
						Very Loose to Loose, Reddish-Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
17		2	M	1							
18		14	M/W	HW							
19		15	W	32		Loose to Dense, Yellowish-Brown Fine to Coarse SAND and GRAVEL, Little Silt (SP-SM; Possible Weathered Sandstone)					
						(Apparent Void from about 53.5 to 58.5 ft)					
20		17	W	5							
						(Apparent Void from 63.5 to 68 ft)					
21		15	W	12							
						End of Boring at 69.5 ft					
						Borehole Backfilled with Bentonite Chips and Soil Cuttings					
						HW= Hammer Weight					
						Top of Foundation Wall= 100					



LOG OF TEST BORING

Project McFarland Public Safety Center
 Location McFarland, WI

Boring No. **GT-2**
 Surface Elevation (ft) 97.5±
 Job No. **C21520-1**
 Sheet 1 of 2

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LOI
					Boring Drilled without Sampling to 28.5 ft, Where SPT Sampling Began.					
					(Brown Silty Sand/Silt/Silty Clay Noted to About 12± ft)					
					(Dark Brown Sandy Silt Noted from About 12 to 16± ft)					
					(Reddish-Brown Silty Sand Noted Below About 16 ft)					
1		10	M	9	Loose, Reddish-Brown to Yellowish-Brown Fine SAND, Some Silt and Gravel (SM - Possible Weathered Sandstone)					

WATER LEVEL OBSERVATIONS

While Drilling ▽ 41.0' Upon Completion of Drilling 42.1
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____ 45.8

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 5/15/23 End 5/15/23
 Driller SE Chief CRJ Rig Geoprobe
 Logger Armando Editor RJP 7822DT
 Drill Method 2.25" HSA; Autohammer



LOG OF TEST BORING

Project **McFarland Public Safety Center**
Location **McFarland, WI**

Boring No. **GT-2**
Surface Elevation **97.5±**
Job No. **C21520-1**
Sheet **2** of **2**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LI
					Loose, Reddish-Brown to Yellowish-Brown Fine SAND, Some Silt and Gravel (SM - Possible Weathered Sandstone) Medium Dense to Very Dense, Tan/White Weathered Sandstone					
2		15	M	18						
					(Firm, Rocky Drilling Below 55.5 ft)					
3		2	W	100/2"						
					End of Boring at 58 ft					
					Borehole Backfilled with Bentonite Chips and Soil Cuttings					



LOG OF TEST BORING

Project **McFarland Public Safety Center**
 Location **McFarland, WI**

Boring No. **GT-3**
 Surface Elevation (ft) **97.5±**
 Job No. **C21520-1**
 Sheet **1** of **2**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	qu (qa) (tsf)	W	LL	PL	LOI
					Boring Drilled and Cased without Sampling to 70 ft, Where SPT Sampling Began. Casing Advanced in Increments to Depth of 112 ft. No Return of Drilling Fluid Occurred Once the Drill Rods and bit Extended Beyond the Casing. Refer to Log of Test Boring GT-1 for Soil Profile from 0-10 ft.					
					5					
					10					
					15					
					20					
					25					
					30					
					35					
					40					
					45					
					50					
					55					
					60					
					65					
1				20	70					
2				1	75					
3				7	80					

Very Loose to Medium Dense, White/Tan
Weathered Sandstone

WATER LEVEL OBSERVATIONS

While Drilling ☒ NW Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **5/18/23** End **5/20/23**
 Driller **ADC** Chief **KD** Rig **CME55**
 Logger **KD** Editor **RJP**
 Drill Method **Autohammer; Mud Rotary**
with 4" Casing



LOG OF TEST BORING

Project **McFarland Public Safety Building**
Broadhead Street and Holscher Road
 Location **McFarland, WI**

Boring No. **B-5**
 Surface Elevation (ft) **895.7**
 Job No. **C20437**
 Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LOI
					6± in. TOPSOIL					
1		18	M	19	Medium Dense, Brown Fine to Medium SAND, Some Silt and Clay, Little Gravel (SM - Possible Fill)					
2		18	M	16	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles (SM)					
3		18	M	19						
4		18	M	25						
5		18	M	26	Medium Dense to Dense, White to Light Brown Silty Fine to SAND, Little Gravel (SM - Probable Highly Weathered to Weathered Sandstone Bedrock)					
6		18	M	42						
7		18	M	42						
					End of Boring at 25 ft					
					Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

While Drilling ☒ NW Upon Completion of Drilling ☒ NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **10/13/20** End **10/13/20**
 Driller **BSD** Chief **MC** Rig **CME-55**
 Logger **GB** Editor **AJB**
 Drill Method **2.25" HSA; Autohammer**



LOG OF TEST BORING

Project **McFarland Public Safety Building**
Broadhead Street and Holscher Road
Location **McFarland, WI**

Boring No. **B-6**
Surface Elevation (ft) **894.8**
Job No. **C20437**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL	LOI
						4± in. TOPSOIL (OL)					
1		18	M	19		Medium Dense, Reddish-Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles (SM)					
2		18	M	14							
					5	Possible Fill in Sample 1					
3		18	M	18							
4		18	M	35							
					10						
5		18	M	20							
					15	Hard Drilling Below About 15 ft					
6		18	M	42		Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles (SM)					
					20						
7		18	M	39							
					25	End of Boring at 25 ft					
						Backfilled with Bentonite Chips					
					30						
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling ☐ NW						Start 10/13/20 End 10/13/20					
Time After Drilling _____						Driller BSD Chief MC Rig CME-55					
Depth to Water _____						Logger GB Editor AJB					
Depth to Cave in _____						Drill Method 2.25" HSA; Autohammer					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.											



LOG OF TEST BORING

Project **McFarland Public Safety Building**
Broadhead Street and Holscher Road
Location **McFarland, WI**

Boring No. **B-7**
Surface Elevation (ft) **893.9**
Job No. **C20437**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL	LOI
						10± in. TOPSOIL (OL)					
1		6	M	18		Hard, Brown Lean CLAY, Trace Sand (CL - Possible Fill)	(4.0+)	17.3			
2		18	M	9		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Clay, Little Gravel (SM - Possible Fill)					
3		18	M	18							
4		18	M	21		Medium Dense, Reddish-Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles (SM)					
5		18	M	20							
6		18	M	25		Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles (SM) Hard Drilling Below About 16 ft					
7		18	M	19							
End of Boring at 25 ft											
Backfilled with Bentonite Chips											
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling ☒ NW						Start 10/13/20 End 10/13/20					
Time After Drilling						Driller BSD Chief MC Rig CME-55					
Depth to Water						Logger GB Editor AJB					
Depth to Cave in						Drill Method 2.25" HSA; Autohammer					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.											



LOG OF TEST BORING

Project **McFarland Public Safety Building**
Broadhead Street and Holscher Road
Location **McFarland, WI**

Boring No. **B-11**
Surface Elevation (ft) **895.3**
Job No. **C20437**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LOI
					8± in. TOPSOIL (OL)					
1		18	M	19	Very Stiff, Brown Sandy Lean CLAY (CL)	(2.5)	11.7			
2		18	M	31	Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles (SM)					
3		0	M	33						
4		18	M	11						
					Yellowish-Brown Seam/Layer Near 10 ft					
5		18	M	33						
					Hard Drilling Below About 16 ft					
6		18	M	51						
7		18	M	49						
					End of Boring at 25 ft					
					Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS					GENERAL NOTES				
While Drilling	☒ NW	Upon Completion of Drilling	☐ NW		Start	10/14/20	End	10/14/20	
Time After Drilling					Driller	BSD	Chief	KD	Rig CME-55
Depth to Water					Logger	GB	Editor	AJB	
Depth to Cave in					Drill Method	2.25" HSA; Autohammer			
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.									

LOG OF TEST BORING

General Notes

DESCRIPTIVE SOIL CLASSIFICATION

Grain Size Terminology

Soil Fraction	Particle Size	U.S. Standard Sieve Size
Boulders.....	Larger than 12"	Larger than 12"
Cobbles.....	3" to 12"	3" to 12"
Gravel: Coarse	¾" to 3"	¾" to 3"
Fine.....	4.76 mm to ¾"	#4 to ¾"
Sand: Coarse	2.00 mm to 4.76 mm	#10 to #4
Medium.....	0.42 to mm to 2.00 mm.....	#40 to #10
Fine.....	0.074 mm to 0.42 mm	#200 to #40
Silt	0.005 mm to 0.074 mm	Smaller than #200
Clay	Smaller than 0.005 mm	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

General Terminology

Physical Characteristics
Color, moisture, grain shape, fineness, etc.

Major Constituents
Clay, silt, sand, gravel

Structure
Laminated, varved, fibrous, stratified, cemented, fissured, etc.

Geologic Origin
Glacial, alluvial, eolian, residual, etc.

Relative Density

Term	"N" Value
Very Loose.....	0 - 4
Loose.....	4 - 10
Medium Dense.....	10 - 30
Dense.....	30 - 50
Very Dense.....	Over 50

Relative Proportions Of Cohesionless Soils

Proportional Term	Defining Range by Percentage of Weight
Trace.....	0% - 5%
Little	5% - 12%
Some	12% - 35%
And.....	35% - 50%

Consistency

Term	q _u -tons/sq. ft
Very Soft.....	0.0 to 0.25
Soft.....	0.25 to 0.50
Medium.....	0.50 to 1.0
Stiff.....	1.0 to 2.0
Very Stiff.....	2.0 to 4.0
Hard.....	Over 4.0

Organic Content by Combustion Method

Soil Description	Loss on Ignition
Non Organic.....	Less than 4%
Organic Silt/Clay.....	4 - 12%
Sedimentary Peat.....	12% - 50%
Fibrous and Woody Peat...	More than 50%

Plasticity

Term	Plastic Index
None to Slight.....	0 - 4
Slight.....	5 - 7
Medium.....	8 - 22
High to Very High ..	Over 22

The penetration resistance, N, is the summation of the number of blows required to effect two successive 6" penetrations of the 2" split-barrel sampler. The sampler is driven with a 140 lb. weight falling 30" and is seated to a depth of 6" before commencing the standard penetration test.

SYMBOLS

Drilling and Sampling

CS – Continuous Sampling
RC – Rock Coring: Size AW, BW, NW, 2"W
RQD – Rock Quality Designation
RB – Rock Bit/Roller Bit
FT – Fish Tail
DC – Drove Casing
C – Casing: Size 2 ½", NW, 4", HW
CW – Clear Water
DM – Drilling Mud
HSA – Hollow Stem Auger
FA – Flight Auger
HA – Hand Auger
COA – Clean-Out Auger
SS - 2" Dia. Split-Barrel Sample
2ST – 2" Dia. Thin-Walled Tube Sample
3ST – 3" Dia. Thin-Walled Tube Sample
PT – 3" Dia. Piston Tube Sample
AS – Auger Sample
WS – Wash Sample
PTS – Peat Sample
PS – Pitcher Sample
NR – No Recovery
S – Sounding
PMT – Borehole Pressuremeter Test
VS – Vane Shear Test
WPT – Water Pressure Test

Laboratory Tests

q_a – Penetrometer Reading, tons/sq ft
q_a – Unconfined Strength, tons/sq ft
W – Moisture Content, %
LL – Liquid Limit, %
PL – Plastic Limit, %
SL – Shrinkage Limit, %
LI – Loss on Ignition
D – Dry Unit Weight, lbs/cu ft
pH – Measure of Soil Alkalinity or Acidity
FS – Free Swell, %

Water Level Measurement

▽ - Water Level at Time Shown
NW – No Water Encountered
WD – While Drilling
BCR – Before Casing Removal
ACR – After Casing Removal
CW – Cave and Wet
CM – Caved and Moist

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.

CGC, Inc.

Madison - Milwaukee

Unified Soil Classification System

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

COARSE-GRAINED SOILS

(more than 50% of material is larger than No. 200 sieve size)

Clean Gravels (Less than 5% fines)



GW

Well-graded gravels, gravel-sand mixtures, little or no fines



GP

Poorly-graded gravels, gravel-sand mixtures, little or no fines

GRAVELS

More than 50% of coarse fraction larger than No. 4 sieve size

Gravels with fines (More than 12% fines)



GM

Silty gravels, gravel-sand-silt mixtures



GC

Clayey gravels, gravel-sand-clay mixtures

Clean Sands (Less than 5% fines)



SW

Well-graded sands, gravelly sands, little or no fines



SP

Poorly graded sands, gravelly sands, little or no fines

SANDS

50% or more of coarse fraction smaller than No. 4 sieve size

Sands with fines (More than 12% fines)



SM

Silty sands, sand-silt mixtures



SC

Clayey sands, sand-clay mixtures

FINE-GRAINED SOILS

(50% or more of material is smaller than No. 200 sieve size.)

SILTS AND CLAYS

Liquid limit less than 50%



ML

Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity



CL

Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays



OL

Organic silts and organic silty clays of low plasticity

SILTS AND CLAYS

Liquid limit 50% or greater



MH

Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts



CH

Inorganic clays of high plasticity, fat clays



OH

Organic clays of medium to high plasticity, organic silts

HIGHLY ORGANIC SOILS



PT

Peat and other highly organic soils

LABORATORY CLASSIFICATION CRITERIA

GW $C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3

GP Not meeting all gradation requirements for GW

GM Atterberg limits below "A" line or P.I. less than 4
GC Atterberg limits above "A" line or P.I. greater than 7

Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols

SW $C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3

SP Not meeting all gradation requirements for GW

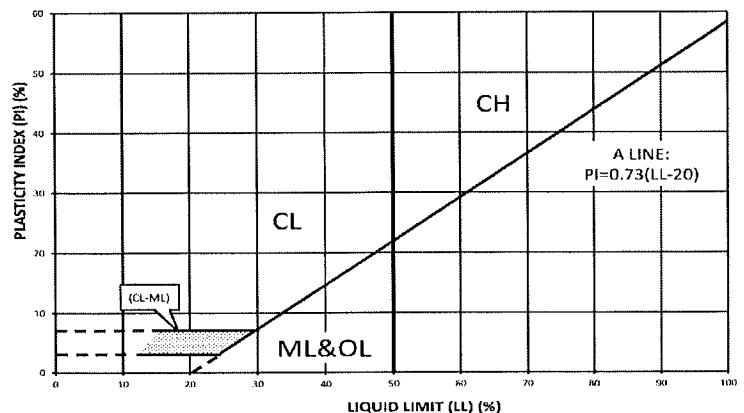
SM Atterberg limits below "A" line or P.I. less than 4
SC Atterberg limits above "A" line with P.I. greater than 7

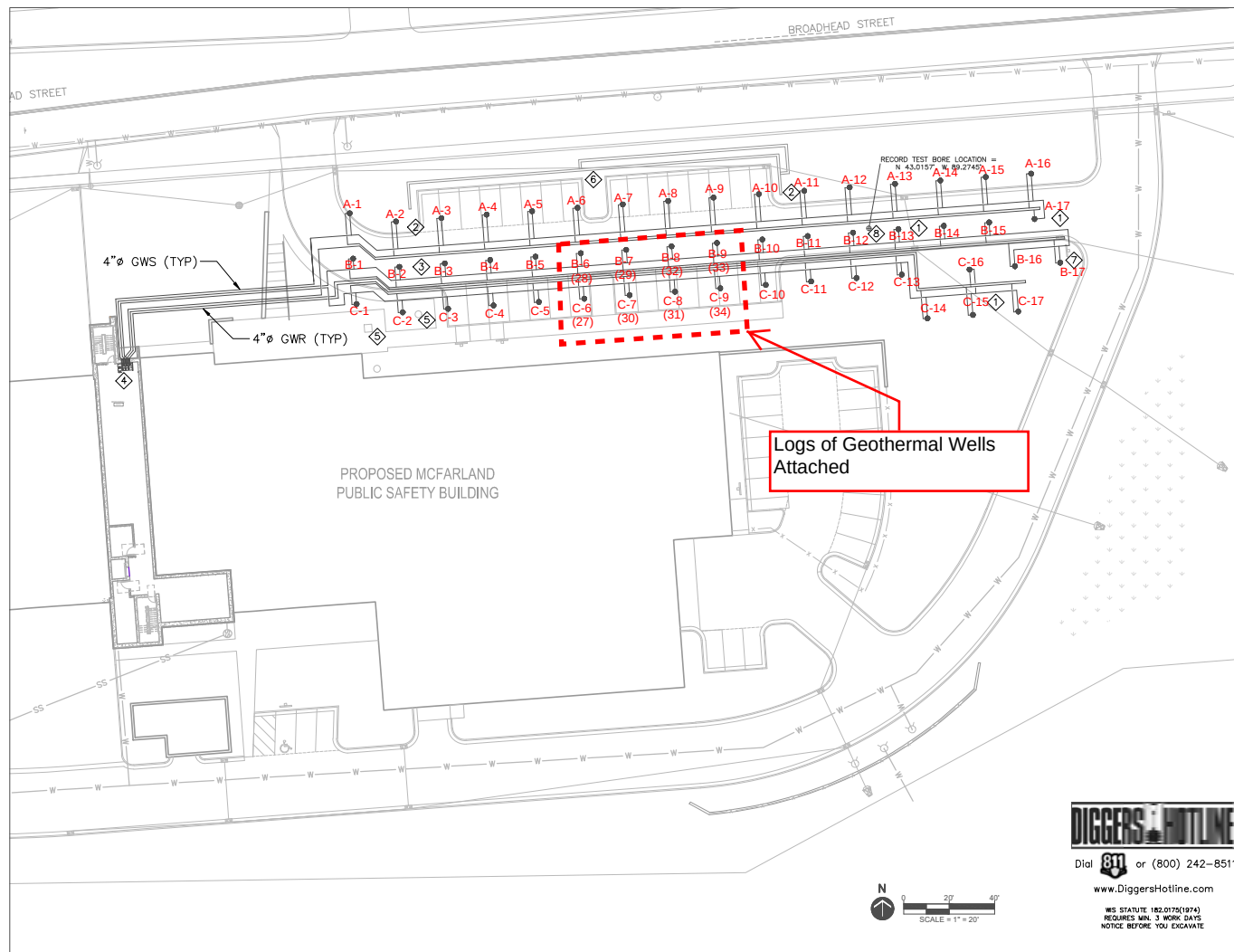
Limits plotting in shaded zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent GW, GP, SW, SP
More than 12 percent GM, GC, SM, SC
5 to 12 percent Borderline cases requiring dual symbols

PLASTICITY CHART





1 GEOTHERMAL SITE PLAN
HS1.0

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

MS STATUTE 182.0170(1)(7-4)
REQUIRES MIN. 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

GEOTHERMAL SHEET INDEX	
HS1.0	GEOTHERMAL SITE PLAN
HS2.0	GEOTHERMAL DETAILS
HS2.1	GEOTHERMAL MANFOLD DETAILS

GENERAL NOTES:

- THE GEOTHERMAL CONTRACTOR IS REQUIRED TO VISIT THE SITE AND TAKE NOTE OF ALL EXISTING CONDITIONS THAT MAY AFFECT THIS WORK AND BE RESPONSIBLE FOR KNOWLEDGE OF SAME IN PREPARATION OF THIS BID. CONTRACTOR TO ALSO FAMILIARIZE THEMSELVES WITH GROUND FORMATIONS TO 400' DEEP IN THE AREA OF THE PROPOSED GEOTHERMAL FIELD (SEE ALSO SPECIFICATIONS FOR RESULTS OF 400' DEEP FORMATION TEST PERFORMED IN DECEMBER 2020). LACK OF INFORMATION ON EXISTING CONDITIONS SHALL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.
- THE GEOTHERMAL CONTRACTOR SHALL REFERENCE THE SOIL CONDITIONS RECORDED IN THE GEOTECHNICAL EVALUATION REPORT PERFORMED FOR THE SITE. DRAINAGE AND SOIL DISPOSAL MEASURES, IF NECESSARY DUE TO THE EXISTING SOIL CONDITIONS, SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.
- THE GEOTHERMAL CONTRACTOR SHALL DETERMINE THE OPTIMAL LOCATION FOR GEOTHERMAL PIPING BETWEEN THE BOREFIELD AND BUILDING. LAYOUT SHOWN IS DIAGRAMMATIC. ROUTE ALL PIPING AS REQUIRED TO AVOID CONFLICTS WITH EXISTING AND NEW UTILITIES. CONTACT "DIGGER'S HOTLINE" AND LOCAL GAS, ELECTRIC AND WATER UTILITIES TO CONFIRM LOCATIONS OF ALL EXISTING PIPES, CONDUITS, ETC.
- THE GEOTHERMAL CONTRACTOR SHALL COORDINATE ALL BOREFIELD WORK WITH SITE/CIVIL CONTRACTOR INCLUDING LOCATIONS OF UNDERGROUND AND OVERHEAD UTILITIES, LIGHT POLE BASES, BOLLARD BASES, RETAINING WALLS, BOUNDARIES, EASEMENTS, AND ANY NON-GEOTHERMAL ITEM LOCATED IN THE BOREFIELD AREA OR IN THE ROUTE OF THE GEOTHERMAL PIPING TO BUILDING ENTRY. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND ENSURE ALL SAFETY PRECAUTIONS ASSOCIATED WITH EXISTING UTILITIES ARE TAKEN PRIOR TO STARTING WORK. REFERENCE CIVIL DRAWINGS C1.0 THROUGH C6.0 FOR SITE DEMO AND CONSTRUCTION, INCLUDING SITE UTILITIES AND TOPOGRAPHY.
- THE GEOTHERMAL CONTRACTOR SHALL REVIEW AND ADHERE TO THE SITE EROSION CONTROL PLAN AND ENSURE THAT ALL WATER DISCHARGE AND DRILLING SPILLINGS REMAIN ON SITE DURING CONSTRUCTION. CONTRACTOR SHALL USE TEMPORARY SETTLING BASINS, BERMS, AND ALL MEANS AND METHODS NECESSARY TO AVOID SITE RUNOFF. SPOILS SHALL BE EXCAVATED AND DISPOSED OF TO RETURN ALL SOILS TO THEIR DESIGN CONDITION.

PLAN NOTES:

- CONTRACTOR TO CAREFULLY COORDINATE WITH SITE/CIVIL CONTRACTORS FOR EXACT ROUTING OF STORMWATER PIPING & STRUCTURES, AND OTHER UNDERGROUND UTILITIES TO AVOID CONFLICTS WITH GEOTHERMAL PIPING. CONTRACTOR SHALL ENSURE THE GEOTHERMAL PIPING IS ROUTED AROUND STORMWATER STRUCTURES TO AVOID CONFLICT. GEOTHERMAL PIPING SHALL BE ROUTED BELOW STORMWATER PIPING AT CROSSOVERS.
- CONTRACTOR TO CAREFULLY COORDINATE WITH SITE LIGHTING AND ELECTRICAL CONTRACTORS FOR EXACT PLACEMENT OF LIGHT POLE BASES AND UNDERGROUND ELECTRICAL. SEE SHEET E1.0. CONTRACTOR SHALL ENSURE THE GEOTHERMAL PIPING IS ROUTED AROUND THE LIGHT POLE BASES TO AVOID CONFLICT. GEOTHERMAL PIPING SHALL BE ROUTED BELOW ELECTRICAL CONDUITS AT CROSSOVERS.
- REFER TO SHEET HS2.0 FOR BORE DEPTH, CIRCUIT PIPE SPACING AND TRENCH REQUIREMENTS, AND CIRCUIT PIPE SIZING.
- REFER TO SHEET HS2.1 FOR PIPE PENETRATION, PIPE CONNECTION, AND MANFOLD DETAILS. COORDINATE WITH MECHANICAL PIPING CONTRACTOR FOR MANFOLD LOCATION, CLEARANCES, AND CONNECTION TO THE BUILDING.
- AVOID INSTALLING PIPING UNDER FLAG POLE AND MEMORIAL LOCATIONS.
- AVOID INSTALLING PIPING NEAR RETAINING WALLS. MAINTAIN MINIMUM 6 FT COVER IN ALL DIRECTIONS.
- AVOID INSTALLING PIPING OR BORES UNDER SIGNS.
- THE GEOTHERMAL CONTRACTOR SHALL LOCATE THE EXISTING TEST BORE AND REUSE IT IF PRACTICAL. THE BASE BID SHALL INCLUDE ALL 51' NEW BORES. SEE SPECIFICATION 23 79 05 - 1.11 FOR FURTHER INFORMATION.

THERMAL CONDUCTIVITY & FORMATION TEST RESULTS

ESTIMATED GROUND THERMAL CONDUCTIVITY	2.00 BTU/H-FT-F
ESTIMATED FORMATION THERMAL DIFFUSIVITY	1.31 FT ² /DAY
ESTIMATED UNDISTURBED GROUND TEMPERATURE	51.0°F

DESIGN DATA

MINIMUM GROUT THERMAL CONDUCTIVITY	1.00 BTU/H-FT-F
HEAT PUMP ENTERING WATER TEMPERATURE	67°F COOLING, 30°F HEATING
HEAT TRANSFER FLUID	30% PROPYLENE GLYCOL
PEAK COOLING LOAD	1,313 MBH
PEAK HEATING LOAD	1,518 MBH

GEOTHERMAL BOREFIELD DATA

NUMBER OF GEOTHERMAL BORES	51
BORE DEPTH	406" SEE DETAIL 1/HS2.0
MAXIMUM BORE DIAMETER	6"
MINIMUM BORE SPACING	20"
BORE PIPE DIAMETER	1-1/4"
PIPE MATERIAL & CLASSIFICATION	HDPE SDR 11 PE4710



P.O. Box 2053
Billings, Montana 59103-2053
(406) 259-2532

Client Go Loop Project Name McFarland Public Safety Center Date 5/27/22
Client Crew No. Address 3583 County Rd MN Drill No. 118
Client Job No. City McFarland State WI BDI Job No. 7658

Hole Number	TOTAL	Depth		Loop Depth	Casing	Grout	Power Tec	Pre Test	Post Test	Formation / Depths
		Charge								
		Top	Bottom							
B-7	406		406	406	140'			120psi	120psi	0-8 f.i.l 8-54 Sand 54-57 Water gravel 57-100 Sandstone 100-117 Limestone 117-135 Void w/dedris 135-406 Sandstone w/ fractured zones
					Maintenance on grouter					
					GROUTED AND PULLED CASING 140' hole C-8					
					Moved all product Loop etc to different side of field to open up and Lay out 8 moved holes					
TOTALS	1 406			406						

Bits					Additives
Quantity	Size	Type	New/Used	Feet Used	Tanks Water
1	8	hammer	same		Sacks Gel
1	5 3/4	hammer	same		Other
1	5 5/8	PDC	same		Other
From	To	TOTAL	Explanation of Other Time		

Lv. Town	6:30	Ar. Field	
Lv. Field		Ar. Town	6:30
Total Time	12		
Drill Time	7		
Travel Time	1		
Other Time	4		
Time Charged to Client	12		

Driller Chris Snow
Helper/s Damian Pozier / Johnny Rivera

Checked and Approved

Party Chief/Mgr.



**BERTRAM
DRILLING**

DRILLING REPORT

P.O. Box 2053
Billings, Montana 59103-2053
(406) 259-2532

Client Go Loop Project Name McFarland Public Safety Center Date 5/26/22
Client Crew No. _____ Address 3583 County Rd MN Drill No. 118
Client Job No. _____ City McFarland State WI BDI Job No. 7658

Hole Number	TOTAL	Depth		Loop Depth	Casing	Grout	Power Tec	Pre Test	Post Test	Formation / Depths
		Top	Bottom							
<u>C-9</u>	<u>266</u>	<u>140</u>	<u>406</u>	<u>406</u>	<u>140</u>	<u>32</u>	<u>16</u>	<u>120psi</u>	<u>120psi</u>	<u>0-140 previously drilled</u> <u>140-406 Sandstone</u> <u>w/fractured zones</u>
<u>C-8</u>	<u>406</u>		<u>406</u>	<u>406</u>	<u>140</u>	<u>10</u>	<u>5</u>	<u>120psi</u>	<u>120psi</u>	<u>0-8 fill</u> <u>8-54 Sand</u> <u>54-57 Watergravel</u> <u>57-100 Sandstone</u> <u>100-115 Limestone</u> <u>115-135 Voids w/debris</u> <u>135-406 Sandstone</u> <u>w/fractured zones</u>
Severe thunderstorm caused me to stop grouting over safety concerns will finish in morning Very wet field making rearranging field to move holes difficult Probable water in fuel growler had difficulties will get new filters Put on in morning Water containment failed between my water and rain water overflowed										
TOTALS	<u>2</u>	<u>672</u>		<u>812</u>	<u>280</u>	<u>42</u>	<u>21</u>			

Bits					Additives		Lv. Town <u>6:30</u> Ar. Field	
Quantity	Size	Type	New/Used	Feet Used	Tanks Water	Lv. Field	Ar. Town <u>6:30</u>	
<u>1</u>	<u>8</u>	<u>honer</u>	<u>Same</u>		<u>Sacks Gel</u>		<u>Total Time 12</u>	
<u>1</u>	<u>5 3/4</u>	<u>honer</u>	<u>Same</u>		<u>Other</u>		<u>Drill Time 9</u>	
<u>1</u>	<u>5 5/8</u>	<u>PDC</u>	<u>Same</u>		<u>Other</u>		<u>Travel Time 1</u>	
From	To	TOTAL	Explanation of Other Time				<u>Other Time 2</u>	
							<u>Time Charged to Client 12</u>	

Driller Chris Snow
Helper/s Danlan Dwyer / Johnny Rivera

Checked and Approved

Party Chief/Mgr



P.O. Box 2053
Billings, Montana 59103-2053
(406) 259-2532

Client Loop

Project Name M. Farland Public Safety Center Date 5/18/22

Client Crew No.

Address 3583 County Rd MN

Drill No. 118

Client Job No.

City McFarland State WI

BDI Job No. 7658

Driller Chris Snow
Helper/s Damian Dozier / Johnny Rivera

Checked and Approved

Party Chief/Mgr.



**BERTRAM
DRILLING**

DRILLING REPORT

P.O. Box 2053
Billings, Montana 59103-2053
(406) 259-2532

Client Go Loop Project Name McFarland Public Safety Center Date 5/17/22
Client Crew No. _____ Address 3583 County Rd NW Drill No. 118
Client Job No. _____ City McFarland State WY BDI Job No. 7658

Hole Number	TOTAL	Depth		Loop Depth	Casing	Grout	Power Tec	Pre Test	Post Test	Formation / Depths
		Top	Bottom							
B-9	402		406	402	60'	24	12	120psi	120psi	0-8 fill 8-55 Sand 55-57 Water gravel 57-100 Sandstone 100-120 Limestone 120-140 Shale w/ fractures 140-406 Sandstone w/ fractures
										Sporadic circulation from 130' to bottom
										Met with Kevin and general to get plan moving with water containment and prepping field
B-8			406	NA	60'	N/A	N/A	120psi	N/A	0-8 fill 8-55 Sand 55-57 Water gravel 57-100 Sandstone 100-120 Limestone 120-140 Shale w/ fractures 140-406 Sandstone w/ fractures
										voids from 120-130 Lost circulation at 130 Changed PDC Bit Loop stopped at 130 pulled out tried to chase with weight bar unable to get past will chase hole in morning
TOTALS	1	402		402	120'	24	12			

Bits					Additives	
Quantity	Size	Type	New/Used	Feet Used	Tanks	Water
1	8	Hammer	Same			Sacks Gel
1	5 3/4	Hammer	Same			Other
2	5 5/8	PDC	Same/new			Other
From	To	TOTAL	Explanation of Other Time			

Lv. Town	6:30	Ar. Field	
Lv. Field		Ar. Town	6:30
Total Time	12		
Drill Time	9		
Travel Time	1		
Other Time	2		
Time Charged to Client	12		

Driller Chris Snow
Helper/s Dan Pozier / Johnny Rivera

Checked and Approved _____



BERTRAM DRILLING

DRILLING REPORT

P.O. Box 2053
Billings, Montana 59103-2053
(406) 259-2532

Client G.O. Loop Project Name McFarland Public Safety Date 6-29-2022
Client Crew No. _____ Address 3583 County Rd Mtn Drill No. 118
Client Job No. _____ City McFarland State WY BDI Job No. 7658

Hole Number	TOTAL	Depth		Loop Depth	Casing	Grout	Power Tec	Pre Test	Post Test	Formation / Depths
		Top	Bottom							
28	286'			406'	130'	24	12	✓	✓	
				- void @ 122' - 130'						
				- had to put on 10' casing						
				- grout / pull casing / use uphole hammer						
25	406'			406'	130'	24	12	✓	✓	
				grout / pull casing						
TOTALS	2 692'			812'						

Bits					Additives		Lv. Town 6:30a Ar. Field	
Quantity	Size	Type	New/Used	Feet Used	Tanks Water			
same					Sacks Gel			
					Other			
					Other			
From	To	TOTAL	Explanation of Other Time			Drill Time 8 1/2		
			moving / setting up clean up jobsite			Travel Time 1		
			grouting / top off holes			Other Time 3		
						Time Charged to Client		

Driller Dale Mitchell
Helper/s Richard Shugart / Damian Dosier

Checked and Approved

Party Chief/Mgr.



**P.O. Box 2053
Billings, Montana 59103-2053
(406) 259-2532**

Client G.O. Loop Project Name McFarland Public Safety Date 6-28-2022
Client Crew No. _____ Address 3583 County Rd. NW Drill No. 118
Client Job No. _____ City McFarland State WI BDI Job No. 7658

Hole Number	TOTAL	Depth		Loop Depth	Casing	Grout	Power Tec	Pre Test	Post Test	Formation / Depths
		Top	Bottom							
11	406'									0-5 fill
26					140' pulled casing grout/top off holes					5-40 sandy clay w rock 40-85 white sandstone 85-90 limestone
11	406'			406'	120'	24	12	✓	✓	90-115 frac/voids 115-150 limestone w small frags 150-406 Sandstone
					grout/pull casing					
28	120'			-	120'	start hole set 120' casing				
TOTALS	1	526'			406'					

* Damian out sick

Bits					Additives	Lv. Town 6:30a	Ar. Field
Quantity	Size	Type	New/Used	Feet Used	Tanks Water	Lv. Field	Ar. Town 6:30p
Same					Sacks Gel	Total Time 12	
					Other	Drill Time 8	
					Other	Travel Time 1	
From	To	TOTAL	Explanation of Other Time			Other Time 3	
			moving/setting up			Time Charged to Client	

Driller Dale Mitchell
Helper/s Richard Shugart

Checked and Approved

Party Chief/Mgr.

DRAFT AIA® Document G701® - 2017

Change Order

PROJECT: <i>(Name and address)</i> Village of McFarland Public Safety Center 5915 Milwaukee Street McFarland, WI 53558	CONTRACT INFORMATION: Contract For: General Construction Date: September 08, 2021	CHANGE ORDER INFORMATION: Change Order Number: 015 Date: May 31, 2023
OWNER: <i>(Name and address)</i> Village of McFarland 5915 Milwaukee Street McFarland, WI 53558	ARCHITECT: <i>(Name and address)</i> Bray Associates Architects, Inc. 1227 N. 8th Street Sheboygan, WI 53081	CONTRACTOR: <i>(Name and address)</i> J.P. Cullen & Sons, Inc. 330 E. Delavan Drive PO Box 5957 Janesville, WI 53547-5957

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)
PCO 111.01r2, 111.02r1, 111.03r3, and 111.04Ar2 per attached.

The original Contract Sum was	\$ 18,782,943.00
The net change by previously authorized Change Orders	\$ 941,742.00
The Contract Sum prior to this Change Order was	\$ 19,724,685.00
The Contract Sum will be increased by this Change Order in the amount of	\$ 1,137,945.00
The new Contract Sum including this Change Order will be	\$ 20,862,630.00

The Contract Time will be increased by eighty-eight (88) days.
The new date of Substantial Completion will be 8/31/2023.

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Bray Associates Architects, Inc.

ARCHITECT *(Firm name)*

J.P. Cullen & Sons, Inc.

CONTRACTOR *(Firm name)*

Village of McFarland

OWNER *(Firm name)*

SIGNATURE

PRINTED NAME AND TITLE

DATE

SIGNATURE

Taylor Blake, Project Manager

PRINTED NAME AND TITLE

June , 2023

DATE

SIGNATURE

PRINTED NAME AND TITLE

June , 2023

DATE



This document is intended to provide additional information related to the relationship between the PCO's included in this Change Order and RFI's associated with the sink hole. Both the PCO's and RFI's can be found in the following pages of this document.

- PCO-111.01r2 Emergency Stabilization Proposal
 - Associated with RFI-173 Sink Hole Part 1 - Emergency Support REVISED.
- PCO-111.02r1 Daily Monitoring and Documentation Proposal
 - Not associated with any RFI's.
- PCO-111.03r3 Footing and Soil Stabilization Proposal
 - Associated with RFI-182 Sink Hole Part 2 - Foundation Support r2
 - Associated with RFI-186 Sink Hole Part 4 – Soil Stabilization.
- PCO-111.04Br1 SOG Stabilization Proposal
 - Associated with RFI-184 Sink Hole Part 3 - SOG Support r2.

JANESVILLE

MADISON

MILWAUKEE



JPC Proposed Change Order Log - All

Manager: Tayler Blake
Prepared By: Tayler Blake

6005 - McFarland Public Safety Center
Prepared on: 05/31/2023

PCO #	Keywords	Sender ID	Subject	Proposed Value	Proposed Days
PCO-111.01r2	CO-015	UFC	Emergency Stabilization	\$ 41,091.00	0
PCO-111.02r1	CO-015	UFC	Daily Monitoring and Documentation	\$ 24,029.00	0
PCO-111.03r3	CO-015	UFC	Footing and Soil Stabilization	\$ 972,629.00	88
PCO-111.04Ar2	CO-015	UFC	SOG Stabilization	\$ 100,196.00	0
Total Value of Quoted Items				\$ 1,137,945	88

REQUEST FOR QUOTATION

Project: McFarland Public Safety Center

25 April 2023

JPC PCO #: 111.01r2

Description: Initial on-site investigation of sink hole and emergency stabilization of exposed footing w/ concrete lean mix.

****Proposals are to be held for 10 working days. Quote is no longer valid past deadline****

****Labor Rates valid through 05/31/23****

Activity Description

JP Cullen & Sons Inc.

General Contractor Work	Units	Quantity	Base Rate	PT&I	Total Rate	TOTAL
Project Manager	HR	40	\$105.00	\$34.13	\$139.13	\$5,565.00
Superintendent	HR	36	\$115.00	\$37.38	\$152.38	\$5,485.50
Operations Manager	HR	24	\$130.00	\$42.25	\$172.25	\$4,134.00
General Superintendent	HR	24	\$120.00	\$39.00	\$159.00	\$3,816.00
Carpenter Foreman	HR	8	\$86.71	\$28.18	\$114.89	\$919.12
Laborer Foreman	HR	8	\$71.34	\$23.18	\$94.52	\$756.17
Laborer	HR	16	\$53.31	\$17.33	\$70.63	\$1,130.14
Operator	HR	8	\$77.28	\$25.12	\$102.40	\$819.17
Labor Subtotal						\$22,625.10

Self-Performed Labor OH&P 15% \$3,393.76

JP Cullen Labor Total \$26,018.86

MATERIALS	Units	Quantity	Unit Price	Material	Tax (0%)	TOTAL
		0	\$ -	\$0.00	\$0.00	\$0.00
Concrete Lean Mix	LS	1	\$ 9,044.00	\$9,044.00	\$0.00	\$9,044.00
Misc concrete materials	LS	1	\$ 327.00	\$327.00	\$17.99	\$344.99
		0	\$ -	\$0.00	\$0.00	\$0.00
Material Subtotal						\$9,388.99

Self-Performed Material OH&P @ 15% \$1,408.35

Material Total \$10,797.33

LARGE TOOL & EQUIPMENT	Units	Quantity	Unit Price	Material	Tax (5.5%)	TOTAL
		0	\$ -	\$0.00	\$0.00	\$0.00
Backhoe	DAY	1	\$ 474.00	\$474.00	\$26.07	\$500.07
Telehandler	DAY	1	\$ 561.00	\$561.00	\$30.86	\$591.86
Skidsteer	DAY	1	\$ 298.00	\$298.00	\$16.39	\$314.39
Backpack vibrators	DAY	2	\$ 85.00	\$170.00	\$9.35	\$179.35
Superintendent Truck (84 hrs)	WK	2	\$ 455.00	\$910.00	\$50.05	\$960.05
		0	\$ -	\$0.00	\$0.00	\$0.00
Large Tool & Equip Subtotal						\$2,545.72

Self-Performed Large Tool & Equip OH&P @ 15% \$381.86

Large Tool & Equip Total \$2,927.57

SUBCONTRACTORS	Services	TOTAL
		\$0.00
Hooper	Storm sewer investigation w/ camera	\$875.00
		\$0.00
Subtotal		\$875.00

Subcontractor OH&P @ 7.5% \$65.63

Subcontract Total \$940.63

Bond @ 1% \$406.84

TOTAL \$41,091

This Change Order is subject to the following reservation of rights on behalf of the Owner. If the Owner has a good faith basis to believe that the work included in this Change Order was necessitated by an act, condition or omission for which the Contractor is responsible under the Contract Documents, the Owner may exercise any right it has under the Contract Documents to withhold payment, or seek reimbursement from the Contractor, for some or all of the costs incurred by the Owner under this Change Order.”

LYCON INC.
PO BOX 427
JANESVILLE, WI 53547-0427
(608) 754-7701

INVOICE

INVOICE NUMBER: 0981342-IN
INVOICE DATE: 3/26/2023
CUSTOMER NO: 0019500
CUSTOMER JOB NO:

SOLD TO CULLEN J P & SONS, INC
PO BOX 5957
JANESVILLE, WI 53547-5957

6005-350
3/21 Concrete
\$9044.00

IF YOU HAVE ALREADY PAID THIS BILL PLEASE IGNORE IT. IT IS OUR POLICY TO ISSUE INVOICES FOR ALL PURCHASES SINCE WE HAVE FOUND THAT THE MAJORITY OF OUR CUSTOMERS WISH TO HAVE A PERMANENT DETAILED RECORD OF EACH TRANSACTION.

TERMS 2% 15TH, NET EOM

JOB	DATE	OUR NO.	DESCRIPTION	PO #	QUANTITY	UNIT PRICE	TOTAL
0274476			6005-350--6001 BROADHEAD ST, MCFARLAND				
	03/21/2023	2218803	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218803	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218803	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218804	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218804	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218804	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218809	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218809	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218809	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218812	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218812	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218812	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218817	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218817	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218817	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218821	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218821	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218821	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218822	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218822	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218822	HEATED CONCRETE	6005-350	9.50	4.00	38.00
	03/21/2023	2218824	12-LEAN GROUT FILL 500	6005-350	9.50	115.00	1,092.50
	03/21/2023	2218824	FUEL CHG	6005-350	1.00	0.00	0.00
	03/21/2023	2218824	HEATED CONCRETE	6005-350	9.50	4.00	38.00

JOB TOTAL:	9,044.00
LESS DISCOUNT:	0.00
FREIGHT:	0.00
SALES TAX:	0.00
INVOICE TOTAL:	9,044.00



CHANGE ESTIMATE SUMMARY

PROJECT NAME	Village of McFarland Public Safety Center
OWNERS PROJECT NUMBER	3488
HOOPER JOB NUMBER	13962
DATE	4/11/2023
CB OR CHANGE NUMBER	
DESCRIPTION	Service call to camera the interior storm piping near sink hole. See attached service report for reference

MATERIAL

MATERIAL COST(PER ATTACHED)	\$	92.24
FREIGHT	\$	-
SALES TAX 0.0%	\$	-
TOTAL MATERIAL	\$	92.24

LABOR

	HOURS	RATE	AMOUNT
GENERAL FOREMAN	0.00	\$106.45	\$ -
FOREMAN	2.00	\$101.73	\$ 203.46
JOURNEYMAN	0.00	\$96.32	\$ -
APPRENTICE	0.00	\$82.80	\$ -
MAT'L HANDLER	0.00	\$65.83	\$ -
OPERATOR	0.00	\$90.95	\$ -
SERVICE TECHNICIAN	2.00	\$175.00	\$ 350.00
TOTAL LABOR			\$ 553.46

EQUIPMENT

	HOURS	RATE	AMOUNT
Sewer Camera	1	\$150.00	\$ 150.00
Electric Welder	0	\$3.20	\$ -
Threading Machine	0	\$3.75	\$ -
Delivery Truck	0	\$24.73	\$ -
TOTAL RENTALS			\$ 150.00

SUBTOTAL (MATERIAL, LABOR, EQUIPMENT COSTS)

SUBTOTAL	\$ 796
-----------------	---------------

OVERHEAD AND PROFIT AT

10.0% PERCENT	\$ 79.57
----------------------	-----------------

SUBCONTRACTS

Plumbing Insulation	\$ -
	\$ -
	\$ -
(Carried forward from Summary Sheet)	\$ -

TOTAL SUBCONTRACT PLUS

10.0% PERCENT	\$ -
----------------------	-------------

BOND @

0.0% PERCENT	\$ -
---------------------	-------------

TOTAL CONSTRUCTION BULLETIN COST

TOTAL	\$ 875
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INVOICE #:
INVOICE DATE: 04/05/23
CUSTOMER NUMBER:
SERVICE ORDER:
CUSTOMER PO: 13962

Hooper Corporation

Customer:
For work performed at:
2030 Pennsylvania Ave
McFarland, WI 53558

LABOR

DESCRIPTION	HOURS	AMOUNT
Plumbing Service Technician	2.00	350.00

PARTS AND MATERIALS

DESCRIPTION	EXTENDED
Retail Plumbing Parts (Cleanout plug & wrench)	92.24
Material Total:	92.24

EQUIPMENT

DESCRIPTION	EXTENDED
Camera	150.00
Equipment Total:	150.00

DESCRIPTION OF WORK

McFarland Public Safety Center - Camera a 12" storm drain that we installed to determine the sink hole.

Took camera down and went through a 12 inch storm sewer . We went through a clean out and went about 120ft. Went the length of building from cleanout to were it was tied onto black plastic storm outside the building. Recorded it also and gave it to Ty from Cullen.

Subtotal: 592.24
Tax:

Total Amount Due This Invoice: \$592.24

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- **03/18/23 – Saturday**

- 9:00am

- Jeremy Wiggs (JPC Wiggs) was on-site performing a site walk prior to leaving for the day when he noticed a new hole in the NE corner of the building footprint, considered 'Area P'.
 - Upon realization of said hole, he took pictures and sent them to Tayler Blake (JPC Blake) and Bronson Duhr (JPC Duhr)
 - Approx size of top of hole was 4'x4'.
 - The inside hole dimensions were unable to be determined.
 - No further action was taken.

- **03/20/23 – Monday**

- 9:30am

- JPC Blake and JPC Wiggs walked to the hole location noted from 03/18/23.
 - Upon review of the hole, it had grown since initial viewing on 03/18/23.
 - Size of the top of the hole had grown from approx 4'x4' to 6'x5', with the 6' being along the building, and the 5' being off the building.

- 9:38am

- JPC Blake called CGC Main Office to request a site visit.
 - An email was sent from JPC Blake to Alex Bina (CGC Bina) with pictures for reference.

- 10:00am

- JPC Blake and JPC Wiggs directed the on-site excavator (KMS) to remove soil directly north of the hole in order to view the inside of the hole and determine the extent of the situation.

- 11:11am

- JPC Blake emailed Justin Buchholz (JPC Buchholz), Tony Rothschadl (JPC Rothschadl), Matt Iserloth (JPC Iserloth), JPC Wiggs, and JPC Duhr with an update on the situation, including reference documents saved in the

- 11:30am

- Gary (CGC Gary) met with JPC Blake to discuss what CGC Gary viewed after he walked the location of the hole.
 - Nothing additional to add.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- 1:00pm
 - JPC Blake called John Kniesz (Bray Kniesz) to discuss the situation.
 - JPC Blake called Kevin Pfotenhauer (Ambrose Pfotenhauer) to discuss the situation.
- 1:16pm
 - JPC Blake emailed reference documents to Bray Kniesz, Ambrose Pfotenhauer, Jordan Schulz (HK Schulz), JPC Wiggs, and JPC Iserloth.
- 1:59pm
 - JPC Blake and HK Schulz had a phone conversation about the current situation of the sink hole.
- 2:23pm
 - JPC Blake responded to emails from Bray Kniesz and HK Schulz confirming that a camera scope of the 12" storm pipe was scheduled for 7:30am.
- 3:50pm
 - JPC Blake, HK Schulz, Matt Johaneck (POB Johaneck), and Chris Dennis (Village of McFarland (VoM Dennis)), and Karl Kraemer (HK Kraemer) met on-site and reviewed the hole and storm line outlets on the East side of the site. The 12" storm line outlet that runs near the sink hole was observed to be covered by fill and not visible.
- 4:00pm
 - JPC Blake called Dan Schultz (Hooper Schultz) to coordinate camera scope of their 12" storm from the middle of Area P to the exterior connection to the storm pipe.
- 4:20pm
 - JPC Blake called KMS Scallon to get the 12" storm line outlet exposed first thing on 03/21/23.
- **03/21/23 – Tuesday**
 - 7:00am
 - JPC Blake met with KMS Scallon to review the exposed 12" storm line outlet. It was buried by 3" of fill, was not observed to have any drainage issues nor material buildup.
 - 7:30am
 - JPC Blake met with Hooper Service Team to camera scope their 12" storm pipe.
 - No irregularities or damage was observed.
 - Video of the scope is saved in the same location as the photos.
 - 9:00am
 - HK Schulz scheduled a TEAMs meeting to discuss the situation and next steps
 - Attendees and minutes are saved in the job folder.
 - Highest priority direction activity was for JPC to fill the hole with lean mix concrete up to 3-4" above bottom of footing.
 - Mid design provided by CGC via Lycon, reviewed by Ambrose, and ordered by JPC Blake.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- **JPC Action Items:**
 - Restrict access to all of Area P, including the garage.
 - Order and pour lean mix into the sink hole as directed by Ambrose, CGC, Huffman-Keel, Bray, and VoM.
- 11:00am
 - JPC Blake, JPC Buchholz, JPC Rothschadl, JPC Wiggs, and Jeremy Shecterle (JPC Shecterle) met to discuss the situation at length.
- 2:30pm
 - JPC Blake, JPC Rothschadl, JPC Wiggs, Avril Link, Donald Weiss, Beau (last name unknown), Ryan Portman (CGC Portman), and a CGC employee poured Lycon Lean Mix 94000400 into the sink hole.
- 3:30pm
 - The sink hole was filled, and the pouring stopped.
 - Approximately 45cuyds of the lean mix were poured into the hole.
- 4:00pm
 - Coordination TEAMS meeting again.
 - Attendees and minutes are saved in the job folder.
 - **JPC Action Items:**
 - Monitor poured lean mix to determine settling (if any).
 - Monitor foundation to determine any movement or cracking
 - None observed.
- **03/22/23 – Wednesday**
 - 7:00am
 - JPC Blake and JPC Rothschadl met with Kent Scallon (KMS Scallon) to remove excess slurry from above foundation footing in compliance with direction from Ambrose.
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 8:00am
 - JPC Blake, JPC Rothschadl, JPC Wiggs, HK Schulz, CGC Portman, Andrew Miller (Midwest Drilled Foundations & Engineering (MDFE Miller)), and VoM Dennis met on-site at the hole location to discuss next steps regarding permanent methods for supporting the building's foundation and slab-on-grade.
 - Helical holes for support were ruled out, micropiles were discussed as the probable next step.
 - MDFE Miller to provide an update on schedule for installation of micropiles.
 - Ambrose to provide micropile requirements for sufficient support.
 - 9:00am
 - JPC Blake and HK Schulz met Dave with Roto-Rooter to perform a camera scope of the 12" storm line
 - This scope started on the East discharge location, travelled the entirety of the 12" black corrugated storm pipe installed by KMS, continued to

McFarland PSC - Area P Sink Hole Timeline - Live Doc

the connection to the 12" PVC under building pipe installed by Hooper Plumbing, and stopped once it hit the pipe diameter change from 12" to 10".

- No disparities or issues were viewed during entirety of scope.
- Video of scope is saved in the same location as the photos.

- 3:30pm

- JPC Wiggs performed daily measurements of foundation.
- No movement viewed.

- 4:00pm

- Coordination TEAMS meeting again.
 - Attendees and minutes are saved in the job folder.
 - **JPC Action Items:**
 - Reach out to GPRS to determine capabilities for ground scanning to determine possible voids in other locations.
 - Direct Hooper Plumbing to perform a floor test on the storm pipes to be able to determine if storm line is leaking.
 - Duration of test is to be 1hr at full flood.
 - The Garage of Area P is now accessible, but no work is to be performed.
 - Subs to be notified.
 - JPC is to get in touch with a contractor capable of 'mud jacking' the void between the lean mix poured on 03/21/23 and the SOG.
 - No excavation is to occur until 2-3 days after micropiles are installed.

- **03/23/23 – Thursday**

- 8:15am

- JPC Blake viewed and took pictures of filled in hole.
- JPC Blake performed daily measurements of foundation.
 - No movement viewed.

- 3:30pm

- JPC Blake performed daily measurements of foundation.
- No movement viewed.

- **03/24/23 – Friday**

- 9:30am

- JPC Blake viewed and took pictures of filled in hole.
- JPC Blake performed daily measurements of foundation.
 - No movement viewed.

- 10:00am

- JPC Blake and JPC Rothschild discussed the current situation over the phone.

- 11:30am

- HK Schulz updated action items list.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- JPC action items are on HOLD until written direction from the Village of McFarland or their insurance agency is provided.
- **JPC Action Items:**
 - Direct KMS to excavate 30' (15' on either side of the sink hole center) to allow for MDFF Miller to install six (6) micropiles to support the foundation.
 - Hire (?) MDFF to perform the micropile installation
 - Hire (?) a contractor to scan the site to investigate further.
 - Hire (?) a contractor to mud-jack the under-slab void.
- 3:30pm
 - JPC Blake performed daily measurements of foundation.
 - No movement viewed.
- **03/25/23 – Saturday**
 - Nothing to update.
- **03/27/23 – Monday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/28/23 – Tuesday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/29/23 – Wednesday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/30/23 – Thursday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
- 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/31/23 – Friday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/01/23 – Saturday**
 - Nothing to update.
- **04/03/23 – Monday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 2:30pm
 - JPC Blake, HFD Schulz, JPC Wiggs, VoM Dennis, JPC Buchholz, and Envista Forensics Bruce Barnes (EF Barnes) met on-site to review the current situation and discuss next steps.
 - **JPC Action Items:**
 - JPC was directed again to perform a flood test of the internal and external storm pipes.
 - JPC was directed to submit RFIs to capture the formal problems / solutions related to:
 - Emergency Stabilization
 - RFI-163
 - Permanent Footing Stabilization
 - RFI-164
 - Permanent Slab on Grade Stabilization
 - RFI-165
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/04/23 – Tuesday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 3:30pm

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/05/23 – Wednesday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/06/23 – Thursday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/07/23 – Friday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 8:00am
 - Hooper Rory Herring attempted to perform a flood test of both their PVC storm pipe as well as the site storm pipe by plugging the outlet of the storm pipe but it did not progress as planned as it was sooner discovered that the site storm pipe was/is not designed to be under pressure and the test was cancelled.
 - 10:00am
 - Coordination TEAMS meeting again.
 - **JPC Action Items:**
 - JPC was directed to proceed with a polyurethane system installation under the exposed slab-on-grade for permanent stabilization.
 - Ambrose David Willis (Ambrose Willis) provided pounds per square foot load requirement for the system, which is to be **160psf.**
 - Direction was given to proceed with the six (6) micropiles per design from MDFE Miller.
 - Pending proposal approval and contract execution:
 - MDFE will begin installing micropiles on Thursday, April 13th.
 - MKS will begin excavation for the micropiles on Wednesday, April 12th
 - 11:00am
 - JPC Blake, JPC Iserloth, and MDFE Miller discussed micropile scope and requirements for scope.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- 11:30am
 - JPC Blake, JPC Wiggs, JPC Rothschild, and JPC Iserloth discussed site schedule with MD FE, KMS excavating, and Payne and Dolan asphalt.
- 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/08/23 – Saturday**
 - Nothing to update.
- **04/10/23 – Monday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.

REQUEST FOR QUOTATION

Project:	McFarland Public Safety Center	25 April 2023
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JPC PCO #: 111.02r1

Description: Daily monitoring and documentation of concrete lean fill, footing elevations, and building interior finishes from 03/22/23 - 06/02/23.

Proposals are to be held for 10 working days. Quote is no longer valid post deadline

Labor Rates valid through 05/31/23

Activity Description

JP Cullen & Sons Inc.

General Contractor Work	Units	Quantity	Base Rate	PT&I	Total Rate	TOTAL
Superintendent	HR	106	\$115.00	\$37.38	\$152.38	\$16,151.75
Labor Subtotal						\$16,151.75
Self-Performed Labor OH&P 15%						\$2,422.76
JP Cullen Labor Total						\$18,574.51

MATERIALS	Units	Quantity	Unit Price	Material	Tax (0%)	TOTAL
Material Subtotal						\$0.00
Self-Performed Material OH&P @ 15%						\$0.00
Material Total						\$0.00

LARGE TOOL & EQUIPMENT	Units	Quantity	Unit Price	Material	Tax (5.5%)	TOTAL
Builders Level	MO	2	\$ 295.00	\$590.00	\$32.45	\$622.45
Superintendent Truck	HRS	106	\$ 35.00	\$3,710.00	\$204.05	\$3,914.05
Large Tool & Equip Subtotal						\$4,536.50
Self-Performed Large Tool & Equip OH&P @ 15%						\$680.48
Large Tool & Equip Total						\$5,216.98

SUBCONTRACTORS	Services	TOTAL
Subtotal		\$0.00
Subcontractor OH&P @ 7.5%		\$0.00
Subcontract Total		\$0.00

Bond @ 1% \$237.91

TOTAL \$24,029

This Change Order is subject to the following reservation of rights on behalf of the Owner. If the Owner has a good faith basis to believe that the work included in this Change Order was necessitated by an act, condition or omission for which the Contractor is responsible under the Contract Documents, the Owner may exercise any right it has under the Contract Documents to withhold payment, or seek reimbursement from the Contractor, for some or all of the costs incurred by the Owner under this Change Order.”

McFarland PSC - Area P Sink Hole Timeline - Live Doc

All photos are saved in the JPC Job Folder, location: J:\Operations\OpenProjects\6005 McFarland Public Safety Center\Photos\Sink Hole Pictures

All other documents are saved in the JPC Job Folder, location: J:\Operations\OpenProjects\6005 McFarland Public Safety Center\RQs\RQ 111 Area P Site Hole Investigation - XXX\5 Documentation

- **03/18/23 – Saturday**

- 9:00am

- Jeremy Wiggs (JPC Wiggs) was on-site performing a site walk prior to leaving for the day when he noticed a new hole in the NE corner of the building footprint, considered 'Area P'.
 - Upon realization of said hole, he took pictures and sent them to Tayler Blake (JPC Blake) and Bronson Duhr (JPC Duhr)
 - Approx size of top of hole was 4'x4'.
 - The inside hole dimensions were unable to be determined.
 - No further action was taken.

- **03/20/23 – Monday**

- 9:30am

- JPC Blake and JPC Wiggs walked to the hole location noted from 03/18/23.
 - Upon review of the hole, it had grown since initial viewing on 03/18/23.
 - Size of the top of the hole had grown from approx 4'x4' to 6'x5', with the 6' being along the building, and the 5' being off the building.

- 9:38am

- JPC Blake called CGC Main Office to request a site visit.
 - An email was sent from JPC Blake to Alex Bina (CGC Bina) with pictures for reference.

- 10:00am

- JPC Blake and JPC Wiggs directed the on-site excavator (KMS) to remove soil directly north of the hole in order to view the inside of the hole and determine the extent of the situation.

- 11:11am

- JPC Blake emailed Justin Buchholz (JPC Buchholz), Tony Rothschadl (JPC Rothschadl), Matt Iserloth (JPC Iserloth), JPC Wiggs, and JPC Duhr with an update on the situation, including reference documents saved in the

- 11:30am

- Gary (CGC Gary) met with JPC Blake to discuss what CGC Gary viewed after he walked the location of the hole.
 - Nothing additional to add.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- 1:00pm
 - JPC Blake called John Kniesz (Bray Kniesz) to discuss the situation.
 - JPC Blake called Kevin Pfotenhauer (Ambrose Pfotenhauer) to discuss the situation.
- 1:16pm
 - JPC Blake emailed reference documents to Bray Kniesz, Ambrose Pfotenhauer, Jordan Schulz (HK Schulz), JPC Wiggs, and JPC Iserloth.
- 1:59pm
 - JPC Blake and HK Schulz had a phone conversation about the current situation of the sink hole.
- 2:23pm
 - JPC Blake responded to emails from Bray Kniesz and HK Schulz confirming that a camera scope of the 12" storm pipe was scheduled for 7:30am.
- 3:50pm
 - JPC Blake, HK Schulz, Matt Johaneck (POB Johaneck), and Chris Dennis (Village of McFarland (VoM Dennis)), and Karl Kraemer (HK Kraemer) met on-site and reviewed the hole and storm line outlets on the East side of the site. The 12" storm line outlet that runs near the sink hole was observed to be covered by fill and not visible.
- 4:00pm
 - JPC Blake called Dan Schultz (Hooper Schultz) to coordinate camera scope of their 12" storm from the middle of Area P to the exterior connection to the storm pipe.
- 4:20pm
 - JPC Blake called KMS Scallon to get the 12" storm line outlet exposed first thing on 03/21/23.
- **03/21/23 – Tuesday**
 - 7:00am
 - JPC Blake met with KMS Scallon to review the exposed 12" storm line outlet. It was buried by 3" of fill, was not observed to have any drainage issues nor material buildup.
 - 7:30am
 - JPC Blake met with Hooper Service Team to camera scope their 12" storm pipe.
 - No irregularities or damage was observed.
 - Video of the scope is saved in the same location as the photos.
 - 9:00am
 - HK Schulz scheduled a TEAMs meeting to discuss the situation and next steps
 - Attendees and minutes are saved in the job folder.
 - Highest priority direction activity was for JPC to fill the hole with lean mix concrete up to 3-4" above bottom of footing.
 - Mid design provided by CGC via Lycon, reviewed by Ambrose, and ordered by JPC Blake.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- **JPC Action Items:**
 - Restrict access to all of Area P, including the garage.
 - Order and pour lean mix into the sink hole as directed by Ambrose, CGC, Huffman-Keel, Bray, and VoM.
- 11:00am
 - JPC Blake, JPC Buchholz, JPC Rothschadl, JPC Wiggs, and Jeremy Shecterle (JPC Shecterle) met to discuss the situation at length.
- 2:30pm
 - JPC Blake, JPC Rothschadl, JPC Wiggs, Avril Link, Donald Weiss, Beau (last name unknown), Ryan Portman (CGC Portman), and a CGC employee poured Lycon Lean Mix 94000400 into the sink hole.
- 3:30pm
 - The sink hole was filled, and the pouring stopped.
 - Approximately 45cuyds of the lean mix were poured into the hole.
- 4:00pm
 - Coordination TEAMS meeting again.
 - Attendees and minutes are saved in the job folder.
 - **JPC Action Items:**
 - Monitor poured lean mix to determine settling (if any).
 - Monitor foundation to determine any movement or cracking
 - None observed.
- **03/22/23 – Wednesday**
 - 7:00am
 - JPC Blake and JPC Rothschadl met with Kent Scallon (KMS Scallon) to remove excess slurry from above foundation footing in compliance with direction from Ambrose.
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 8:00am
 - JPC Blake, JPC Rothschadl, JPC Wiggs, HK Schulz, CGC Portman, Andrew Miller (Midwest Drilled Foundations & Engineering (MDFE Miller)), and VoM Dennis met on-site at the hole location to discuss next steps regarding permanent methods for supporting the building's foundation and slab-on-grade.
 - Helical holes for support were ruled out, micropiles were discussed as the probable next step.
 - MDFE Miller to provide an update on schedule for installation of micropiles.
 - Ambrose to provide micropile requirements for sufficient support.
 - 9:00am
 - JPC Blake and HK Schulz met Dave with Roto-Rooter to perform a camera scope of the 12" storm line
 - This scope started on the East discharge location, travelled the entirety of the 12" black corrugated storm pipe installed by KMS, continued to

McFarland PSC - Area P Sink Hole Timeline - Live Doc

the connection to the 12" PVC under building pipe installed by Hooper Plumbing, and stopped once it hit the pipe diameter change from 12" to 10".

- No disparities or issues were viewed during entirety of scope.
- Video of scope is saved in the same location as the photos.

○ 3:30pm

- JPC Wiggs performed daily measurements of foundation.
- No movement viewed.

○ 4:00pm

- Coordination TEAMS meeting again.
 - Attendees and minutes are saved in the job folder.
 - **JPC Action Items:**
 - Reach out to GPRS to determine capabilities for ground scanning to determine possible voids in other locations.
 - Direct Hooper Plumbing to perform a floor test on the storm pipes to be able to determine if storm line is leaking.
 - Duration of test is to be 1hr at full flood.
 - The Garage of Area P is now accessible, but no work is to be performed.
 - Subs to be notified.
 - JPC is to get in touch with a contractor capable of 'mud jacking' the void between the lean mix poured on 03/21/23 and the SOG.
 - No excavation is to occur until 2-3 days after micropiles are installed.

• **03/23/23 – Thursday**

○ 8:15am

- JPC Blake viewed and took pictures of filled in hole.
- JPC Blake performed daily measurements of foundation.
 - No movement viewed.

○ 3:30pm

- JPC Blake performed daily measurements of foundation.
- No movement viewed.

• **03/24/23 – Friday**

○ 9:30am

- JPC Blake viewed and took pictures of filled in hole.
- JPC Blake performed daily measurements of foundation.
 - No movement viewed.

○ 10:00am

- JPC Blake and JPC Rothschild discussed the current situation over the phone.

○ 11:30am

- HK Schulz updated action items list.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- JPC action items are on HOLD until written direction from the Village of McFarland or their insurance agency is provided.
- **JPC Action Items:**
 - Direct KMS to excavate 30' (15' on either side of the sink hole center) to allow for MD FE Miller to install six (6) micropiles to support the foundation.
 - Hire (?) MD FE to perform the micropile installation
 - Hire (?) a contractor to scan the site to investigate further.
 - Hire (?) a contractor to mud-jack the under-slab void.
- 3:30pm
 - JPC Blake performed daily measurements of foundation.
 - No movement viewed.
- **03/25/23 – Saturday**
 - Nothing to update.
- **03/27/23 – Monday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/28/23 – Tuesday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/29/23 – Wednesday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/30/23 – Thursday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
- 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **03/31/23 – Friday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - JPC Buchholz saved emails and represented JPC Blake whilst JPC Blake was on vacation.
 - 3:30pm
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
- **04/01/23 – Saturday**
 - Nothing to update.
- **04/03/23 – Monday**
 - 7:00am
 - JPC Wiggs performed daily measurements of foundation.
 - No movement viewed.
 - 2:30pm
 - JPC Blake, HFD Schulz, JPC Wiggs, VoM Dennis, JPC Buchholz, and Envista Forensics Bruce Barnes (EF Barnes) met on-site to review the current situation and discuss next steps.
 - **JPC Action Items:**
 - JPC was directed again to perform a flood test of the internal and external storm pipes.
 - JPC was directed to submit RFIs to capture the formal problems / solutions related to:
 - Emergency Stabilization
 - RFI-163
 - Permanent Footing Stabilization
 - RFI-164
 - Permanent Slab on Grade Stabilization
 - RFI-165
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/04/23 – Tuesday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- No movement viewed.
- 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/05/23 – Wednesday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/06/23 – Thursday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/07/23 – Friday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 8:00am
 - Hooper Rory Herring attempted to perform a flood test of both their PVC storm pipe as well as the site storm pipe by plugging the outlet of the storm pipe but it did not progress as planned as it was sooner discovered that the site storm pipe was/is not designed to be under pressure and the test was cancelled.
 - 10:00am
 - Coordination TEAMS meeting again.
 - **JPC Action Items:**
 - JPC was directed to proceed with a polyurethane system installation under the exposed slab-on-grade for permanent stabilization.
 - Ambrose David Willis (Ambrose Willis) provided pounds per square foot load requirement for the system, which is to be **160psf.**
 - Direction was given to proceed with the six (6) micropiles per design from MDFE Miller.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- Pending proposal approval and contract execution:
 - MDFE will begin installing micropiles on Thursday, April 13th.
 - MKS will begin excavation for the micropiles on Wednesday, April 12th
- 11:00am
 - JPC Blake, JPC Iserloth, and MDFE Miller discussed micropile scope and requirements for scope.
- 11:30am
 - JPC Blake, JPC Wiggs, JPC Rothschild, and JPC Iserloth discussed site schedule with MDFE, KMS excavating, and Payne and Dolan asphalt.
- 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/08/23 – Saturday**
 - Nothing to update.
- **04/10/23 – Monday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/11/23 – Tuesday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/12/23 – Wednesday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- **04/13/23 – Monday**

- 7:00am

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- 3:30pm

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- **04/14/23 – Monday**

- 7:00am

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- 3:30pm

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- **04/15/23 – Saturday**

- Nothing to update.

- **04/17/23 – Monday**

- 7:00am

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- 3:30pm

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- **04/18/23 – Tuesday**

- 7:00am

- JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

- 8:00am

- Meeting at the existing Municipal Building was had to check in, review current status, and discuss next steps.
 - Attendees:
 - VoM Schuenke VoM Dennis, VoM Chapin, HK Mike Huffman (HK Huffman), HK Schulz, JPC Blake, JPC Buchholz, JPS Shecterle, JPC Rothschild, JPC Jeannie Cullen-Schultz (JPC Jeannie).
 - **Action Items for JPC:**
 - Continue daily monitoring

McFarland PSC - Area P Sink Hole Timeline - Live Doc

- Present proposals for emergency support, daily monitoring, permanent footing support, and SOG support by 04/20/23.
 - Work with HK Schulz to get a flood test scheduled via a third party.
 - Coordinate/Assist with geophysical surveys once determined and scheduled.
- 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/19/23 – Wednesday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
 - 3:30pm
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.
- **04/20/23 – Thursday**
 - 7:00am
 - JPC Wiggs performed daily measurements and visual inspections of foundation and interior finishes.
 - No movement viewed.

REQUEST FOR QUOTATION

Project:	McFarland Public Safety Center	31 May 2023
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JPC PCO #: 111.03r3

Description: Permanent footing & soil stablization at sink hole location. Daily Monitoring from 06/05/23 - 08/31/23 is included. New Substantial Completion Date to be 08/31/23.

Proposals are to be held for 10 working days. Quote is no longer valid post deadline

Labor Rates valid through 05/31/23

Activity Description						
JP Cullen & Sons Inc.						
General Contractor Work	Units	Quantity	Base Rate	PT&I	Total Rate	TOTAL
Project Manager - Coordinating and Documentation	HR	73	\$105.00	\$34.13	\$139.13	\$10,156.13
Project Manager	HR	160	\$105.00	\$34.13	\$139.13	\$22,260.00
Superintendent - supervision and daily monitoring	HR	400	\$115.00	\$37.38	\$152.38	\$60,950.00
Administrative Assistant	HR	8	\$50.00	\$16.25	\$66.25	\$530.00
Operations Manager - Coordinating and Documentation	HR	42	\$130.00	\$42.25	\$172.25	\$7,234.50
Operations Manager	HR	48	\$130.00	\$42.25	\$172.25	\$8,268.00
Carpenter Foreman	HR	40	\$86.71	\$28.18	\$114.89	\$4,595.58
Laborer Foreman	HR	24	\$71.34	\$23.18	\$94.52	\$2,268.52
Labor Subtotal						\$116,262.72
Self-Performed Labor OH&P 15%						\$17,439.41
JP Cullen Labor Total						\$133,702.13

MATERIALS	Units	Quantity	Unit Price	Material	Tax (0%)	TOTAL
		0	\$ -	\$0.00	\$0.00	\$0.00
Plywood/Visqueen	LS	1	\$ 350.00	\$350.00	\$19.25	\$369.25
		0	\$ -	\$0.00	\$0.00	\$0.00
Material Subtotal						\$369.25
Self-Performed Material OH&P @ 15%						\$55.39
Material Total						\$424.64

LARGE TOOL & EQUIPMENT	Units	Quantity	Unit Price	Material	Tax (5.5%)	TOTAL
		0	\$ -	\$0.00	\$0.00	\$0.00
Surveying Equipment	WK	10	\$ 990.00	\$9,900.00	\$544.50	\$10,444.50
		0	\$ -	\$0.00	\$0.00	\$0.00
Large Tool & Equip Subtotal						\$10,444.50
Self-Performed Large Tool & Equip OH&P @ 15%						\$1,566.68
Large Tool & Equip Total						\$12,011.18

SUBCONTRACTORS	Services	TOTAL
		\$0.00
KMS	Excavation & prep work for foundation support install	\$7,021.00
Payne and Dolan	Additional mobilization for asphalt due to project schedule and availability	\$2,850.00
Midwest Drilled Foundations	Micropile design and installation	\$100,000.00
ECI	Pressure grouting soil - 200cuyd estimate	\$650,000.00
		\$0.00
Subtotal		\$759,871.00
Subcontractor OH&P @ 7.5%		\$56,990.33
Subcontract Total		\$816,861.33
Bond @ 1%		\$9,629.99
TOTAL		\$972,629

This Change Order is subject to the following reservation of rights on behalf of the Owner. If the Owner has a good faith basis to believe that the work included in this Change Order was necessitated by an act, condition or omission for which the Contractor is responsible under the Contract Documents, the Owner may exercise any right it has under the Contract Documents to withhold payment, or seek reimbursement from the Contractor, for some or all of the costs incurred by the Owner under this Change Order.”

KMS Excavating LLC

252 Fox Run
Sauk City, WI 53583

Proposal

Proposal Date: 3/25/2023**Proposal #:** 1542**Project:****Bill To:**

M P S foundation stabilization

Description	Est. Hours/Qty.	Rate	Total
EXCAVATION AND BACKFILL REQUIRED FOR FOUNDATION STABILIZATION			
MANPOWER TO EXCAVATE A SAFE INSPECTION ACCESS - 1 HOUR FOR FOREMAN @ \$89.30 - 1 HOUR FOR OPERATOR @ \$88.87 - 1 HOUR EXCAVATOR @ \$160		338.17	338.17
EXCAVATE TO BOTTOM OF EXISTING FOOTING FOR PILING INSTALLATION. BACKFILL AT COMPLETION -FOREMAN - 10 HOURS @ \$89.30 -2 OPERATORS - 10 HOURS @88.87 -1 MOBILIZATION @ \$600 -MINI EXCAVATOR, BUCKET, AND COMPACTOR - 10 HOURS @ \$170 -SKID LOADER - 10 HOURS @ \$145 -DUMP TRUCK AND DISPOSAL COSTS FOR MATERIAL DISPLACED BY PILING INSTALLATION. 2 HOURS @112		6,044.40	6,044.40
10% MARKUP ON LABOR AND EQUIPMENT		638.26	638.26
Total			\$7,020.83

PAYNE & DOLAN INC
6295 Lacy Road
Fitchburg, WI 53593
608-845-8900 Fax: 608-845-8884



Note: This Change Order becomes part of and is in conformance with the original contract

DATE: 4/7/2023
PROJECT NAME: Mcfarland Public Safety Center
PROJECT LOCATION: Broadhead St, Mcfarland
P & D PROJECT MANAGER: Dustin Rondorf / 608-535-2468 / drondorf@walbecgroup.com
OWNER/CONTRACTOR: JP Cullen

We (owner/contractor) hereby authorize Payne & Dolan, Inc. to make the following changes as stated below:

Additional Paving Mobilization: \$2,850

Total: \$2,850

A signed contract and a signed change order is required prior to work being scheduled.

is to be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

Dustin Rondorf

PAYNE & DOLAN, INC.

Company Name

Date of Acceptance

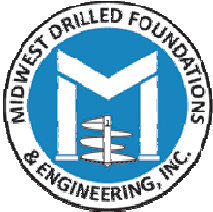
Signature of Authorized Agent

Company Name

Date of Acceptance

Tayler Blake

From: Ethan Heiman <eheiman@midwestdfe.com>
Sent: Wednesday, May 31, 2023 11:46 AM
To: Tayler Blake
Cc: Andrew Miller
Subject: 23-048 Mcfarland DPW - Underpinning ROM



Tayler,

The estimated price to support the building with underpinning micropiles is \$85k-\$100k.

Ethan Heiman | Sr. Project Manager

Midwest Drilled Foundations & Engineering, Inc.

Phone: (262) 436-0392 **Mobile:** (262) 893-8504

Web: www.midwestdfe.com

200 S. Prairie Ave | Waukesha, WI 53186

[Midwest Drilled Foundations & Engineering is an Equal Opportunity/Affirmative Action Employer](#)



RJ



Robb >

Awsome, thank you.

I appreciate the extra work to get this to me today

Today 9:15 AM

Taylor - ballpark grouting cost assuming 100cy of injection grout, mob/demob and 10 days of a crew 410,000. More than half that is the cost of furnishing and mixing grout with an on-site system and worst case where we are drilling 1 hole a day due to communication issues. This will not include potable water source/any special site prep required/clean up and restoration.

Thank you Robb.
Rough guess on a per cuyd for grout? Or not willing to provide at this time? Either is okay, I'm just curious.

\$ per cuyd grout*

Delivered

Based on our cost history without and i am thinking pretty minimal admixtures to enhance flow/strength it is usually about 2400/cy mixed and injected on site.



iMessage



REQUEST FOR QUOTATION

Project: McFarland Public Safety Center

31 May 2023

JPC PCO #: 111.04Ar2

Description: Permanent underslab stabilization at sink hole location. Poly-urethane install solution. Keller quote total is based on an estimated quantity of material to be installed. Total is subject to change post install.

****Proposals are to be held for 10 working days. Quote is no longer valid post deadline****

****Labor Rates valid through 05/31/23****

Activity Description

JP Cullen & Sons Inc.

General Contractor Work	Units	Quantity	Base Rate	PT&I	Total Rate	TOTAL
Project Manager	HR	40	\$105.00	\$34.13	\$139.13	\$5,565.00
Superintendent	HR	40	\$115.00	\$37.38	\$152.38	\$6,095.00
Administrative Assistant	HR	4	\$50.00	\$16.25	\$66.25	\$265.00
Operations Manager	HR	20	\$130.00	\$42.25	\$172.25	\$3,445.00
General Superintendent	HR	10	\$120.00	\$39.00	\$159.00	\$1,590.00
Carpenter Foreman	HR	40	\$86.71	\$28.18	\$114.89	\$4,595.58
Laborer Foreman	HR	40	\$71.34	\$23.18	\$94.52	\$3,780.86
Laborer	HR	40	\$53.31	\$17.33	\$70.63	\$2,825.35
Operator	HR	16	\$77.28	\$25.12	\$102.40	\$1,638.34
Labor Subtotal						\$29,800.12
Self-Performed Labor OH&P 15%						\$4,470.02
JP Cullen Labor Total						\$34,270.14

MATERIALS	Units	Quantity	Unit Price	Material	Tax (0%)	TOTAL
		0	\$ -	\$0.00	\$0.00	\$0.00
Temp Protection	LS	1	\$ 875.00	\$875.00	\$48.13	\$923.13
		0	\$ -	\$0.00	\$0.00	\$0.00
Material Subtotal						\$923.13
Self-Performed Material OH&P @ 15%						\$138.47
Material Total						\$1,061.59

LARGE TOOL & EQUIPMENT	Units	Quantity	Unit Price	Material	Tax (5.5%)	TOTAL
		0	\$ -	\$0.00	\$0.00	\$0.00
Dumpster	EA	2	\$ 800.00	\$1,600.00	\$88.00	\$1,688.00
Telehandler	DAY	2	\$ 561.00	\$1,122.00	\$61.71	\$1,183.71
		0	\$ -	\$0.00	\$0.00	\$0.00
		0	\$ -	\$0.00	\$0.00	\$0.00
Large Tool & Equip Subtotal						\$2,871.71
Self-Performed Large Tool & Equip OH&P @ 15%						\$430.76
Large Tool & Equip Total						\$3,302.47

SUBCONTRACTORS	Services	TOTAL
		\$0.00
Keller	Polyurethane grout install	\$48,880.00
Mobile Glass	Window removal and reinstall. Includes new glass.	\$4,500.00
Hughes Flooring	Carpet reinstall	\$2,964.00
		\$0.00
Subtotal		\$56,344.00
Subcontractor OH&P @ 7.5%		\$4,225.80
Subcontract Total		\$60,569.80

Bond @ 1% \$992.04

TOTAL \$100,196

This Change Order is subject to the following reservation of rights on behalf of the Owner. If the Owner has a good faith basis to believe that the work included in this Change Order was necessitated by an act, condition or omission for which the Contractor is responsible under the Contract Documents, the Owner may exercise any right it has under the Contract Documents to withhold payment, or seek reimbursement from the Contractor, for some or all of the costs incurred by the Owner under this Change Order.”

April 13, 2022

Tayler Blake, Assistant Project Manager
JP Cullen
330 E. Delavan Drive
Janesville, WI 53546

RE: Sinkhole Polyurethane Void Filling
Village of McFarland Public Safety Center – Void Filling in McFarland, WI

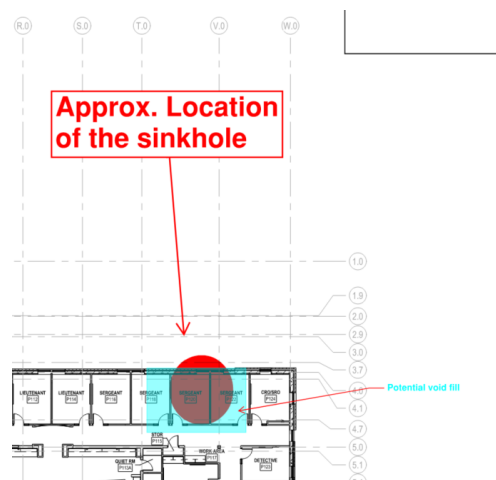
QUALIFIED PROPOSAL

Mr. Blake:

Keller North America, Inc. (Keller) is pleased to present this qualified proposal for the above referenced project. Keller proposes to furnish all labor, equipment, material and supervision to perform the scope of work as described below.

INTRODUCTION

We understand that voids have been identified underneath the existing slab on grade of newly constructed building structure located at the southeast corner of the intersection of Broadhead Street and Holsher Road, at or near 6001 Broadhead Street. The voided area is located in an area where a sinkhole was discovered. The depth and extent of the voids are unknown, but there have been documentation of voids existing, and attempts to fill the void have been made. Per JP Cullen ("Contractor") request, Keller is to treat selected office areas in the northeast corner, which is approximately 550 SF, approx. extents shown in blue for reference only.



Keller North America, Inc.
8619 W. Bryn Mawr Ave
Suite 600
Chicago, IL 60631

t: 630-529-2911

Equal Opportunity Employer – Minorities/Females/Disabled/Veterans



Please note, Keller is proposing to utilize a polyurethane grout to fill residual voids beneath the slabs. The grout will travel to fill any voids and additional volume/more shifts may be required depending on extent of voids. Keller is not responsible for damage to any existing utilities from the grout. Keller will monitor the grout flow from the surface and has no way to see the extent of the voids. Keller will monitor the grout take visually.

REFERENCE DOCUMENTS

This proposal is based only on the following information:

1. Correspondence via email with Mr. Blake, April 2023 describing approximate sinkhole location and void extents.
2. No site visits have been made by Keller.
3. Keller Terms and Conditions, v. 3.07, 4 pages, copy attached.

REMEDIATION SUMMARY

High-Density Polyurethane Grout

Keller is able to use polyurethane grout to fill the identified voids to the extent practical. Polyurethane grouting is a technique that can fill void space, displace, and densify loose granular soils, reinforce fine grained soils, and stabilize subsurface voids or sinkholes, by the injection of a two-part expanding polyurethane grout. This proposal only includes the void filling application.

In the areas of concern, Keller will install approximately 5/8-inch diameter ports in the concrete slab at locations selected in coordination with the Owner/Contractor and/or Architect/Engineer. Keller will then pump polyurethane grout through the ports, filling the voids.

Prior to drilling, a subcontracted concrete scanning contractor will utilize hand-held or similar equipment to attempt to detect concealed conduit within the slab. It will be necessary to maintain the slabs in a dry condition immediately before and during scanning operations. *The currently proposed scanning scope is intended to identify objects embedded within the concrete slab. Other underground utilities may not be identified. Despite best efforts in scanning, Keller cannot accept responsibility for any severed elements, including but not limited to, rebar.*

Grout will be injected under pressure until a refusal criterion is reached:

- *Grout Return: Grout return is through adjacent injection holes*
- *Movement: Slight movement indicated by zip level or laser level monitoring*

Keller uses a grout proportioner with cell phone monitoring available, which allows for the grouting operation to be monitored both at the trailer and at the point of injection via a cell phone app. This also provides the operator the ability to adjust the parameters (such as mix type, flow rate, pressure, and volume limits) in real time, while simultaneously monitoring for any movements or deflection of the ground or nearby structures. The use of this advanced monitoring and control system increases accuracy, efficiency, and quality control of the grouting while reducing risk. During grouting, Keller will use zip levels and/or laser levels to monitor slab movement during the



grouting operation.

Careful monitoring of nearby below-grade drains/pipes and/or any other underground utilities by JP Cullen and/or Owner will be necessary to minimize the risk of filling or damage during grouting.

Keller North America, Inc. (Keller) proposes to perform the work described in this scope for the following unit prices:

Item	Description	Estimated Qty.	Unit	Unit Price	Estimated Total
1	Mobilization	1	Each	\$30,000	\$30,000
2	Subcontract Concrete Scanning (if Required)	1	Est.	Cost + 20%	\$1,080
3	Grouting Crew and Equipment (up to 10-hrs) WEEKDAY	2*	Shifts	\$8,500	\$17,000
4	Polyurethane Grout Material	250*	LB	\$3.20	\$800
* Estimated quantities, price will be based on actual units required to complete the work.				Estimated Total	\$48,880

CLARIFICATIONS AND QUALIFICATIONS

1. This is a unique project, and in spite of previous investigations and analysis, physical conditions may vary from those currently anticipated. For this reason, it must be understood that the procedures outlined in this proposal may need to be altered as the work progresses and the conditions on site become better understood. The response of the ground and structure to each stage of grouting will help dictate what the following step will be and how it will be implemented. The successful completion of this project will require close communication between all involved parties.
2. Based on our experience, when grouting is performed on an existing structure such as this, some distress may appear in existing elements. If the slab already shows signs of cracking, grouting may exacerbate the crack(s) as the slab tends to pivot on its weakest point during grouting. Keller will attempt to minimize cracking, but some minor distress can be expected. A survey and analysis of existing structures is excluded. Keller will not be held liable for damage to any existing structures caused from the grouting operation.
3. Keller intends to place grout up to the bottom of the slab, but no guarantee is offered limiting future slab movement or settlement.
4. Layout and as-built drawings (if necessary) will be provided by others.
5. Access to the work area for Keller's equipment and material must be provided by others. Grout hoses and compressed air lines must be able to run from outside the facility to the work area through stairways and/or existing area wells.



6. A clear, firm, dry, level work area capable of supporting Keller equipment and personnel must be provided by others.
7. A 50 ft. x 50 ft. staging area for Keller material and equipment must be provided near the work area immediately outside of the building. This area for staging the grout plant must be within 300 LF of all grouting areas.
8. Contractor, or its other sub-contractors or owner representatives, will prepare the work area, including but not limited to:
 - a. Remove moveable equipment, fixtures, etc. from the work area.
 - b. Protect remaining equipment, fixtures, etc. (visqueen sheeting or equivalent) and surfaces (mats, blankets, etc.) if necessary. Keller will contain grout hoses, and provide whip-checks and other safety devices on the grout lines, etc.
9. The mobilization unit price provided does not include any onsite labor, including but not limited to, setting up the work area, running hoses, etc. That value is to cover offsite preparation and trucking of all equipment and materials to the jobsite. The daily rate will begin the first day Keller is present onsite.
10. Keller will fill the core holes in the slab with poly grout and will either leave the grout low at the flooring per contractor/GC direction or fill the hole to the top. Keller will not be responsible for a perfectly smooth patch. Final concrete patching or skim coating of slab areas with non-shrink grout or self-leveling concrete will be performed by others if required. If directed, Keller can drill core holes horizontally through the wall from the exterior. Keller will fill these holes with poly grout as well, if directed by owner or Contractor, but any further restoration will be by others and is excluded.
11. Contractor will provide necessary traffic controls, permits, and security coordination to allow for entry to the building and as-needed material delivery during work shifts.
12. Keller will clean-up work areas following each shift. Keller will police materials directly related to its operations and dispose of in dumpsters, etc. provided by Contractor. Contractor will provide Keller with water supply and clean up areas. Keller excludes site restoration.
13. Any obstruction or standby time will be considered as billable time in accordance with the daily rate provided.
14. Keller has excluded any 3rd party sampling/testing of materials, monitoring of adjacent structures for settlement or vibration, pre- and post- installation surveys of adjacent structures, and monitoring of grout installation.
15. This proposal is based on our working a normal 5-day, 10-hour shift work week. Any additional premium time portion of overtime work required will be charged as extra work and will include audited overhead and profit.
16. Due to the variations in the grouting markets and industry wide supply chain issues, the prices presented in this proposal are only good for 30 DAYS. Following this date, the price is subject to escalation.
17. The work covered by this proposal may, by its nature, cause some unavoidable earth movement that could damage surrounding utilities, pavement or structures. Because any such movement and consequent damage is inherent in the nature of the work, Keller cannot be liable for or indemnify against any unavoidable earth movement and its results. Keller will only accept responsibility for earth movement caused by its negligence, or failure to follow generally accepted procedures of the industry.



PROPOSAL

Mobile Glass Inc.

5626 Woodland Dr. Waunakee WI 53597

Phone: 608.849.4113 Fax: 608.849.5991

www.mobileglass.us

Women-owned Business Enterprise

Small Business Enterprise

DATE: 4/18/2023

To: JP Cullen

Project: McFarland Public Service Center

Project location: McFarland, WI

Prepared By: Dan Burhans

Proposal

Remove and then re-install the exterior pieces of glass in Rooms P120, P118, P122

Supply replacement glass- same make up as original (lead time 4-5 weeks)

Additional mobilization, equipment rental

Mobile Glass is not responsible for any breakage of factory window or glass.

ADD THE SUM OF: \$ 4,500.00

This is a quotation on the goods named, subject to the conditions noted below: This proposal supersedes any previously given, either written or verbal, and is valid for 30 days only unless extended at our option.

To accept this quotation, sign here and return:

Date:

*This proposal will not become a contract until Mobile Glass accepts the work in writing and into their schedule.

MOBILE GLASS INC. PREPARED BY: Dan Burhans

Date: 4/18/2023

THANK YOU FOR YOUR BUSINESS!



April 18, 2023

JP Cullen

Re: McFarland Safety

P118: per 4.18.23 email request

- Furnish and install new Wall Base = \$208.00
- Install salvaged carpet tile removed by others = \$160.00
- Patch core holes if needed ADD+ \$150.00
- floor prep/skim coat up to 1/8" and light grind/remove adhesive where existing floor has been removed ADD+ \$270.00

P120: per 4.17.23 email request

- Furnish and install new Wall Base = \$208.00
- Install salvaged carpet tile removed by others = \$160.00
- Patch core holes if needed ADD+ \$150.00
- floor prep/skim coat up to 1/8" and light grind/remove adhesive where existing floor has been removed ADD+ \$270.00

P122: per 4.18.23 email request

- Furnish and install new Wall Base = \$208.00
- Install salvaged carpet tile removed by others = \$160.00
- Patch core holes if needed ADD+ \$150.00
- floor prep/skim coat up to 1/8" and light grind/remove adhesive where existing floor has been removed ADD+ \$270.00

Mobilization per occurrence ADD+ \$150.00 to above

Demo by others.

(3) Room Total = \$2,964

Bid above excludes: fixture/furniture/tech equipment moving, concrete moisture mitigation, finished floor protection, final floor cleaning, sales tax, extensive concrete repair, new carpet.

Submitted By,

Jason Hughes
Vice President
jason@hughesflooring.com
608.358.0984

Prepared By,

Michelle Neustedter
Secretary
michelle@hughesflooring.com
608.845.5593

JP CULLEN

GPRS

PROPOSAL



GPRS is the nation's premier company specializing in the detection of underground utilities and underground storage tanks, video pipe inspection, leak detection and the imaging of concrete structures. Our services enable your projects to stay safe, on time and on budget.



SIM-CERTIFIED FIELD STAFF

Our SIM-Certified Project Managers are equipped with the latest technology, industry leading training and a methodology that has produced over 99.8% accuracy on over 300,000 projects. Visit SIMSPEC.ORG today for details.



NATIONWIDE FOOTPRINT

GPRS is the largest company of our kind. With highly trained Project Managers across America we can provide rapid response to your job site — wherever it may be located.



CONSULTATIVE APPROACH

GPRS Project Managers are trained to help you remove barriers that could impact your project being safe, on time and on budget. They provide industry-leading deliverables such as CAD, 3D drawings, NASSCO reports, and a .KMZ and .PDF map is included with every utility locating project which accelerates planning, organizes operations and increases communication.



**VISUALIZING
THE BUILT WORLD™**
//////// ABOVE AND BELOW GROUND

GPRSINC.COM

April 18, 2023

Client: JP CULLEN

Project Address: 6001 Broadhead Street, McFarland, WI 53558

Quote Number: GPRSQUOTE-61912

Submitted By:

Ashley St. Arnold

To schedule, please email:

wisconsininfo@gprsinc.com

GPRS appreciates the opportunity to provide this proposal. We encourage you to visit our website (www.gprsinc.com) and contact any of the numerous references listed. Our insurance certificate and W-9 can also be downloaded [here](#). Please feel free to contact us if you have any questions or need additional information.

Scope of Work

Radiant Heating Scan: We understand the scope of work on this project is to scan for radiant heating piping in a concrete slab as listed in the table below. To avoid additional charges, the scan area should be laid out, marked, and cleared of obstructions prior to our arrival. Our findings will be marked directly onto the surface using marker or other methods depending on the site conditions or as directed by the client. The depth of detected radiant heating piping will be marked when possible, but these measurements are only estimates. We do not recommend that you saw cut over the top of any marked obstructions in the slab. GPR cannot determine the diameters of conduits/pipes so avoid all markings by at least 3" (or more if possible.)

Size of Scan Area	Estimated Slab Thickness
500 sq. ft.	8 in.

Equipment

- **Concrete Scanning GPR Antenna.** This GPR Antenna is handheld and rolls over the surface. The device displays scan data on a screen, and the operator marks detected objects on the surface in real-time. The antenna needs a reasonably smooth, unobstructed surface for scanning and cannot scan within 2"-4" of obstructions such as walls and metal tracks. Ideally, the client removes obstacles such as these before our work begins. The total effective scan depth can be as much as 18" or more with this antenna but can vary depending on the concrete conditions, composition, and other factors such as the spacing of the reinforcing. Depth accuracy depends on obtaining a precise depth calibration for the concrete. This device does not emit harmful radiation and can be safely operated while people are in close proximity. For more information, please visit [Link](#)
- **Electromagnetic Pipe Locator.** This receiver can passively detect the signals from live AC power or radio signals traveling along some conductive utilities. Operators can connect a transmitter directly to accessible metallic pipes, risers, or tracer wires to generate a current at a specific frequency. The receiver can then detect the resulting signal along the pipe or tracer wire. Various factors may impact this device's effectiveness, including (but not limited to) access to the utility, conductivity, grounding, and interference from other utilities. The depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: [Link](#)
- **Infrared Camera.** The thermal camera can detect changes in temperature as small as <0.1°C with an accuracy of 2°C. Clients should allow radiant heating systems to cool and turn them on at the project's start to provide contrast between the temperature of the tubing and the slab. For more information, please visit: [Link](#)

Project Costs

SERVICE	DESCRIPTION
Radiant Heating Scan	Described in Scope of Work
Mobilization - Concrete Scanning	
TOTAL	\$ 2,275.00

General Terms & Conditions

This proposal is subject to the General Terms and Conditions for Services of Ground Penetrating Radar Systems, LLC (GPRS) posted at [Link](#) (the "Terms and Conditions") and is hereby incorporated by reference into and made a part of this proposal. Customer acknowledges it has read and agrees to be bound by such Terms and Conditions. In the event of any conflict between the terms of this proposal and the Terms and Conditions, the Terms and Conditions will prevail. Customer also acknowledges that GPRS may, from time to time and at its discretion, modify the Terms and Conditions and Customer agrees to be bound by such Terms and Conditions as modified.

1. Customer agrees to meet and perform all requirements described in this document and has fully read and understands all items listed within this document including the proposal-specific Assumptions.
2. It is the customer's responsibility to prepare the site for scanning, including clearly identifying areas to be scanned, securing access to all areas required for scanning, and keeping these areas clear and free of obstructions. Delays caused by customer's failure to do so may result in an increased price.
3. GPRS does not conduct an investigation, analysis, or interpretation of soil composition, soil/concrete conditions, or geophysical, geological, engineering, or land surveying information. Customer acknowledges it understands that we are merely reporting retrieved data and that we do NOT provide geophysical, geological, engineering, or land surveying services. Customer should contact a professional in those fields if such services are needed.
4. If any work to be performed is within a road or street, unless specifically included by GPRS within this proposal, it is the customer's responsibility to provide adequate traffic control to allow GPRS' personnel to safely and efficiently work in the road/street.
5. If this proposal is not accepted within 90 days of April 18, 2023, the pricing may be subject to review.
6. If for some reason the technician arrives on site and the work is cancelled there will be a charge of \$500 per requested technician.

Accepted and Agreed

Company Phone/Email: _____ PO#: _____ Job#: _____

Print Name: _____ Signature: _____ Date: _____

Project-Specific Assumptions

- Standard full-day rates are based on an 8-hour workday. Time-on-site in excess of 8-hours will be billed at overtime rates.
- This price assumes that we will be given access to perform the work during weekday business hours (6am-5pm). Work performed outside of this is billed at time and a half.
- All of our technicians have OSHA-10 safety training or greater. Site-specific safety training is not included in this quote. Please notify us if this project requires additional safety training.
- As-builts and any other applicable drawings shall be made available to GPRS prior to the project.
- The equipment listed in this proposal is the standard recommended equipment for your project. Depending on site conditions, your GPRS Project Manager may use all of the equipment listed or a subset thereof on your project. At their discretion, they may also employ additional tools not listed above to provide you with the best results possible.
- A thorough utility search can only be completed if GPRS is given access to all utility structures, interior and exterior. This service is never a replacement for the use of the state One Call system (811).
- If your project includes scanning an elevated concrete slab: Some slabs may not be completely penetrable from the top only and would need to be scanned from both top and bottom and should be considered an unforeseen circumstance that would incur additional time onsite and charges.
- If your project includes scanning a wall or elevated concrete slab: Ladders, manlifts, or safe access for scanning wall or ceiling locations is the responsibility of the client.
- If your project includes scanning a concrete slab with roofing material or other surface obstructions, these obstructions should be removed by the customer or customer's representative prior to our arrival. GPRS will need direct access to the surface of the concrete to obtain optimal results.
- These rates assume that there are no certified payroll requirements. GPRS has not been notified of any PLA, DIR, or Certified Payroll requirements. If GPRS receives notice that any of these conditions exist, there will be additional costs.

McFarland
SUMMARY SHEET

MEETING DATE: Wednesday, May 31, 2023

SECTION: Business

DEPARTMENT: Administration

CONTACT: Matt Schuenke, Village Administrator

AGENDA ITEM: Discussion regarding revisions to the Village's Mission and Vision Statements.

PREVIOUS ACTION:

This was last updated by the Village Board in 2018 through that annual goal and objective setting process.

Additionally, it was evaluated through the Diversity, Equity, and Inclusion Committee Report completed in 2022 with no changes recommended.

ISSUE SUMMARY:

Please find enclosed the current Mission and Vision for the Village. As part of our annual process to set goals and objectives through the Strategic Implementation Plan we wanted to include this for review and consideration for revisions as might be desired. This is likely a reintroduction to the current narrative and then discussion on a process to go about how it should or could be revised. The board may discuss and exercise discretion as it chooses on how to move forward as applicable.

FINANCIAL/BUDGET IMPACT:

None.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Presented for discussion only. No action needed.

ATTACHMENTS:

1. McFarland Vision-Mission Statement FINAL

Village of McFarland

Updated July 26, 2018

VISION STATEMENT

The vision of the Village of McFarland is to create an inviting, dynamic, diverse community that offers a high quality of life and a supportive environment in which all citizens may practice their individual value choices. The community actively seeks to preserve its proud heritage, protect its abundant natural resources, plan for responsible and balanced residential and commercial growth, promote a viable economic base, support educational excellence, provide diverse leisure options, and foster a healthy social fabric.

MISSION STATEMENT

With direction encouraged from an engaged citizenry, Village elected officials and employees will maintain and enhance the quality of life of the community by delivering quality services in an efficient and accountable manner and by providing an orderly, unbiased system of government that is transparent and accessible. To create and sustain a high level of confidence in Village government, we pledge to function with: professional integrity; fiscal responsibility; open communications; environmental sustainability; sensitivity to the values of each individual; full cooperation in achieving the priority goals determined by the community.

McFarland
SUMMARY SHEET

MEETING DATE: Wednesday, May 31, 2023

SECTION: Business

DEPARTMENT: Administration

CONTACT: Matt Schuenke, Village Administrator

AGENDA ITEM: Discussion regarding 2023-2024 McFarland Strategic Implementation Plan as the Village Board goals and objectives for the coming year.

PREVIOUS ACTION:

The Committee of the Whole reviewed progress on goals and objectives for the 2022-2023 Strategic Implementation Plan.

ISSUE SUMMARY:

Going forward now our objective is to revisit our goals and adjust our priorities as we provide an outlook for the next year. The former year's plan is included within your packet. Additionally, a summary of assigned action steps is included for reference. Some of things started last year may need to continue, some things may need to discontinue, and yet more there may be new ideas we want to incorporate. Again this work is meant to serve as a bridge from the Strategic Plan as we work through the years since our priorities will shift over time and this work is meant to update how we adjust from year to year. We will work from the existing goals and begin to build our implementation plan as to what the board would like to accomplish in the next year. The first part of this is really about idea development in order to align with the goals. Then Village Staff works to breath life into the ideas to fill out the remainder of the implementation plan and help show how it can be tied to the budget. Each of the goals are listed on the agenda and we'll work through roughly half within the first meeting and the remaining half within the second meeting. The Village Administrator will track the items raised and facilitate discussion as is needed.

FINANCIAL/BUDGET IMPACT:

None.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Presented for discussion only.

ATTACHMENTS:

1. 2022-2023 McFarland Strategic Impl. Plan 08232022 FINAL



2. 2022-2023 Action Step Summary



2022-2023

McFarland Strategic Implementation Plan

August 23, 2022

Village Board Review and Acceptance

Village of McFarland

Updated July 26, 2018

VISION STATEMENT

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2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

All goals should be consistent with the Village Mission statement and vision statement.

Highlight notes items where new funding is required within the budget and not previously approved.

A. McFarland Municipal Center Campus

Develop a multi-generational community center in conjunction with expansion of the library, connecting Village plaza, and adjoining outdoor public spaces (i.e. - McFarland Municipal Campus) including the development of programs to serve seniors, youth, and families.

Objectives

- (1) Determine future space needs and design features for the development of indoor and outdoor public spaces to support programming to be determined.
- (2) Identify and engage a broad spectrum of residents, including seniors, youth, adults, and community partners in all aspects of the planning process and operations/utilization.
- (3) Identify operational issues, challenges, and fiscal impacts associated with the development McFarland Municipal Campus Master Plan and the construction of desired improvements thereof.

Action Steps:	Cost	Timeline	Assignment
i. Complete the McFarland Municipal Center Campus Master Plan that will outline facility improvements at the Municipal Center, Library, and Plaza. Analysis will recommend facility improvements as well as programs to utilize new spaces.	\$150,000	March 2023	Administrator Village Board
ii. Collaborate with the Library Board on reviewing their needs for facility expansion association with the above referenced Master Plan.	N/A	On Going Project Duration	Administrator Library Village Board
iii. Use solicited public input and continue Community and Stakeholder engagement throughout the project. Engage Community and all Stakeholders	N/A	On Going Project Duration	Administrator Village Board
(4) Build accepted and recommended improvements for public infrastructure in accordance with the McFarland Municipal Center Campus Master Plan.			
Action Steps:	Cost	Timeline	Assignment
i. Design, bid, and award recommended/approved improvements from Master Plan.	\$500,000	March 2024	Administrator Village Board
ii. Construct recommended/approved improvements from Master Plan.	\$13,000,000	March 2025	Administrator Village Board

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

B. Public Infrastructure <i>Plan for and align physical facilities and open space to support future service delivery, quality of life and infrastructure needs.</i>			
Objectives			
(1) Complete construction and transition affected Departments to a standalone public safety facility for fire, EMS, police, and court services.			
Action Steps:	Cost	Timeline	Assignment
i. Complete construction of new facility already underway.	\$22,500,000	May 2023	Administrator Architect Contractor Fire & Rescue Municipal Court Owner's Rep Police Village Board
ii. Transition impacted Departments to new Facility.	Included Above	June 2023	Fire & Rescue Municipal Court Police
(2) Improve current Village facilities, including maintenance enhancements, and identify new systems to promote sustainability.			
(3) Develop capital improvement plans to support infrastructure needs aligned with future growth to forecast cost implications and implementation schedule.			
Action Steps:	Cost	Timeline	Assignment
i. Annual preparation of 5 year CIP to inventory and outline public improvements leading into budget process.	None	Annually August 2023	Administrator Departments
ii. Complete property acquisition to allow for the development of solar array.	\$300,000	January 2023	Community Development
iii. Develop plan and begin implementation of digital archiving project.	\$100,000	December 2023	Administration Comm and Tech
iv. Completion of a Village wide energy audit and planning to implement energy efficiencies within operations.	\$75,000	March 2024	Community Development
v. Proceed with OEI Grant to install battery storage at Public Safety Center for excess power created in solar array.	\$450,000	December 2024	Community Development
vi. Continue planning with partners as applicable to develop solar array to offset municipal energy consumption.	TBD	Duration	Community Development

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

C. Housing & Economic Development

Promote responsible growth, affordable housing, increase economic development, and grow/retain existing businesses.

Objectives

- (1) Enhance new and existing commercial, retail, mixed-use, and civic uses in the downtown area.
- (2) Improve the mix of commercial and mixed use development along Highway 51 and Farwell Street.
- (3) Develop incentives for business growth, such as incubator programs and tax increment financing districts (TIF) districts.
- (4) Identify areas for expanding commercial and industrial development.
- (5) Improve business retention to support existing businesses and advance recruitment efforts to bring in new businesses.

Action Steps:	Cost	Timeline	Assignment
i. Complete planning project to address Economic Development Plan and update East Side Neighborhood Growth Plan as update to Comprehensive Plan.	\$100,000	March 2023	Community Development
ii. Develop RFP, bid, hire, and complete Terminal & Triangle District Plan/Redevelop. Plan 1, including new Overlay TIF District.	\$75,000	October 2023	Community Development
iii. Begin process (i.e. - RFP, Award, Plan Devel) to Establish new Downtown redevelopment plan.	\$75,000	December 2023	Community Development
iv. Pursue Recodification of Subdivision and Zoning Codes as they impact planning decisions, zoning, diversity, and commercial uses.	\$100,000	2024	Community Development
v. Consider property acquisition where appropriate.	Case by Case	Duration	Community Development

- (6) Improve mix of housing within the Village, including consideration for affordable housing units within new development.

Action Steps:	Cost	Timeline	Assignment
i. Draft and approve policies and programs regarding the use of the Affordable Housing Fund.	None	December 2022	Administrator Community Development
ii. Evaluate opportunities to build Affordable Housing Fund through General Fund and TIF extensions.	TBD	Duration	Administrator Community Development
iii. Evaluate opportunities to implement recommendations from the housing studies to encourage new affordable housing development.	Case by Case	Duration	Community Development

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

D. Village Government

Creation of a dynamic work place that is inclusive and diverse in our ability to demonstrate our commitment to employee growth and development for the betterment of the Community.

Objectives

- (1) Evaluate staffing models and organization structure to meet future service delivery needs.

Action Steps:	Cost	Timeline	Assignment
i. Develop staffing plan for all Depts in line with recommendations from 2021 Comp and Class Study.	None	September 2022	Administrator Administration Departments
ii. Forecast cost and tax levy impacts of staffing plan. Present forecasting annually through budget process.	None	November 2022	Administrator
iii. Study and report on recommendations to implement curbside yard waste/leaf collection program.	TBD	September 2023	Administrator Public Works

- (2) Prioritize community-based policing practices and identify areas for diversity initiatives, outreach, education, and program development.

Action Steps:	Cost	Timeline	Assignment
i. Restore assignment of Community Service Officer and develop Community Engagement Plan for position.	TBD	June 2023	Police
ii. Pursue and complete policy updates for WILEAG Accreditation.	TBD	December 2023	Police
iii. Prioritize and enhance opportunities for community outreach and education within the Police Department.	\$5,000	Duration	Police
iv. Utilization of Community Restorative Court (CRC).	None	Duration	Police

- (3) Enhance public engagement and presence within the Community through the use of a broad range of media.

Action Steps:	Cost	Timeline	Assignment
i. Add Closed Captioning system to enhance broadcast diversity.	\$55,000	March 2023	Comm and Tech
ii. Develop new Communications Plan outlining prioritization of resources in line with opportunities for engagement.	TBD	June 2023	Administrator Comm and Tech Village Board

- (4) Continue discussions with School District on partnerships with the Village to share and expand services for the benefit of the Community.

Action Steps:	Cost	Timeline	Assignment
i. Continue meetings through the Joint Committee to discuss issues of mutual interest.	None	Duration	Administrator Village Board

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

E. Community <i>Improve the Community experience for residents, businesses, and visitors through its services, safety, history, and overall desired quality of life.</i>			
Objectives			
(1) Promote Village history using statues, murals, music, special programming, etc. (2) Create a public art program that enriches the community and enhances the local quality of life.			
Action Steps:	Cost	Timeline	Assignment
i. Develop public art concept affixed to the structure of Well House #1 adjacent Discovery Garden Park.	\$5,000	June 2023	Community Development Library
ii. Establish a Public Art and Design Program to consider projects and promote history where appropriate.	None	September 2023	Community Development
iii. Implement opportunities for public art within public spaces as authorized by the Village Board.	TBD	Duration	Community Development Village Board
(3) Promote the concept of a safe and healthy community in an integrated way including diversity, equity, and inclusion initiatives; from policy to planning and development.			
Action Steps:	Cost	Timeline	Assignment
i. Develop policies for the distribution of funds through the Community Grant Program.	None.	February 2023	Administrator Village Board
ii. Accept applications into the Community Grant Program and award funds in accordance with approved policies.	\$15,000	Duration	Administrator Village Board
iii. Cross develop community outreach/risk reduction training to develop strategies for medical and wellness risk reduction.	\$10,000	2024	Fire and Rescue Senior Outreach
iv. Support staffing and policy development to ensure successful transition to paramedic level of service.	Varies	Duration	Fire and Rescue Village Board
v. Participate in the Trust Building Campaign by the IACP to ensure positive partnerships and improve general well being.	Varies	Duration	Police

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

F. Transportation

Improve Community connectivity along pedestrian and vehicular corridors.

Objectives

- (1) Improve, maintain, and enhance bike/walking path connections throughout the Village and in cooperation with neighboring municipalities and government agencies.

Action Steps:	Cost	Timeline	Assignment
i. Enhance planning regarding trail maintenance and build into Paving and Utility Plan. Include sidewalk improvements as a separate line item.	None	August 2022	Public Works
ii. Study improvements to Siggelkow Road for off-street pedestrian connectivity to new Community Park.	TBD	March 2023	Administrator Comm Devel Public Works

- (2) Review opportunities to provide all forms of public transportation within and outside of the Village.

Action Steps:	Cost	Timeline	Assignment
i. Review opportunities to collaborate with neighboring municipalities to extend public transportation, develop cost sharing and fare models.	TBD	December 2023	Community Development
ii. Review Options with Board, Elected Officials, Public, and Staff.	TBD	December 2023	Community Development

- (3) Enhance pedestrian safety for walkers and bicyclists throughout the community, including areas of Highway 51 that go through the Village.

Action Steps:	Cost	Timeline	Assignment
i. Continued partnership with WisDOT and Dane County on Segment 7 as applicable, emphasis on Siggelkow round-a-bouts, pedestrian connectivity.	TBD	Duration 2024	Administrator Community Development Village Board
ii. Continued partnership with WisDOT and Dane County on Segment 6 as applicable, emphasis on adding sidewalk, safe crossing, speed limit, round-a-bout, and bridge underpass.	TBD	Duration 2026	Administrator Community Development Village Board
iii. Evaluate e-bike development in McDaniel Park and study expansion points within the Village.	TBD	Duration	Community Development

- (4) Build a network of Electric Vehicle (EV) Charging Stations at Level 2 and 3 within the Village.

Action Steps:	Cost	Timeline	Assignment
i. Identify locations for EV Charging Stations and partner with regional, state, and federal agencies to develop.	TBD	Duration	Community Development

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

G. Park/Conservancy System <i>Support the development of active and passive park amenities that appeal to all age groups and abilities.</i>			
Objectives			
(1) Develop new and diverse park system amenities for indoor and outdoor use that are not currently offered in our Community.			
<u>Action Steps:</u>	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. Continue planning efforts to bring forward park improvements within 10 year plan.	None	August 2022	Administrator Public Works
ii. Aide fundraising process as applicable to ensure construction of skate park.	\$375,000	October 2023	Administrator
iii. Prepare design of new dual shelter facility at Egner Park to support Water Utility and Park.	\$150,000	November 2023	Public Works
(2) Dedicate resources to enhance and maintain existing parks and green spaces throughout the Village.			
<u>Action Steps:</u>	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. Improve access within dog park by installing new limestone path.	\$75,000	May 2023	Public Works
ii. Aide long term maintenance costs and provide improved turf product through in ground irrigation at Community Park.	\$275,000	June 2023	Public Works
iii. Review areas for the inclusion of additional support amenities such as benches, bike racks, drinking fountains, etc.	\$75,000	May 2023	Community Development Public Works
(3) Evaluate the costs and benefits of an outdoor aquatic facility, including construction and operation.			
<u>Action Steps:</u>	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. With location determined, finalize conceptual plan to estimate site plan, elevations, and probable cost.	\$10,000	June 2023	Administrator
ii. Discuss future capital/operating financial cost implications, gather additional public input, economic impact, determine fund raising parameters, create community partners.	None	Duration	Administrator Village Board

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

G. Park/Conservancy System (Continued)			
<i>Support the development of active and passive park amenities that appeal to all age groups and abilities.</i>			
Objectives			
(4) Develop and implement park master plans that prioritize future developments.			
Action Steps:	Cost	Timeline	Assignment
i. Develop long term plan for playground replacement within system.	None	August 2023	Public Works
ii. Develop long term plan for public restroom development within system.	None	August 2023	Public Works
iii. Conduct planning and design process for Inclusive Park in partnership with School District.	\$75,000	September 2023	Administrator Public Works
(5) Expand, enhance, and develop programs to increase access and promote greater use of the lakefront, wetland conservancy, and waterways.			
Action Steps:	Cost	Timeline	Assignment
i. Partner with Dane County to convert beach within McDaniel Park to sand and add water barriers with filtration.	\$250,000	June 2023	Administrator Public Works
ii. Continued promotion of McDaniel Park for commercial partnerships including new priority for water craft rental.	TBD	June 2023	Administrator
iii. Implement plan to create water access at Lewis Park.	\$75,000	August 2023	Public Works
iv. Review opportunities within the system to acquire property to expand lake access.	TBD	Duration	Community Development

2022/2023 - McFarland Strategic Implementation Plan

Village Board Goals, Objectives, and Action Plan

H. Diversity, Equity, and Inclusion <i>Create opportunities to advance initiatives that support the growth of diversity, equity, and inclusion within the Community and organization.</i>			
Objectives			
(1) Provide support for the ongoing development and utilization of the Diversity, Equity, and Inclusion Committee.			
Action Steps:	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. Meet annually with the Committee to align work plan and discuss goals/objectives for the group.	None	May 2023	Administrator Comm and Tech Village Board
ii. Discuss with Committee the final report and how it influences the groups work going forward.	None	Duration	Comm and Tech
(2) Continued implementation of the Diversity, Equity, and Inclusion (DEI) Report.			
Action Steps:	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. Develop and/or support event(s) for Community Space to be facilitated by the Committee regarding DEI.	TBD	December 2022	Comm and Tech
ii. Work with Staff to develop training programs that establish a DEI professional learning plan.	TBD	June 2023	Administration
iii. Evaluate guest speakers for the Community and Organization.	TBD	Duration	Comm and Tech
(3) Work with Community Partners on the creation of a lasting land acknowledgement.			
Action Steps:	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. Create community partnership to develop plan and process for land acknowledgement.	TBD	September 2023	Comm and Tech Village Board
ii. Complete plan and implement land acknowledgement.	TBD	October 2023	Comm and Tech Village Board
(4) Continue discussions with School District on partnerships with the Village for the advancement of diversity, equity, and inclusion within the Community.			
Action Steps:	<u>Cost</u>	<u>Timeline</u>	<u>Assignment</u>
i. Review opportunities for partnership and shared services to support DEI in the Community.	TBD	June 2023	Administrator Village Board

Summary of Reference Action Steps

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McFarland
SUMMARY SHEET

MEETING DATE: Wednesday, May 31, 2023

SECTION: Business

DEPARTMENT: Administration

CONTACT:

AGENDA ITEM: Goal D: Village Government

PREVIOUS ACTION:

ISSUE SUMMARY:

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

None