



Dust Mitigation Plan

April 22, 2020 – Final Version



MORGAN / HARBOUR
CONSTRUCTION

DUST CONTROL MEASURES

•Water

- Most effective dust mitigation tool. Controls wind erosion
- Will be used **throughout the work day** supporting the site operations and weather conditions.
- MHC will deploy **two water trucks** on the site during major excavations. **Double the capacity required for this project in order to provide the best possible dust mitigation.**
- Watering of parking areas and temp roads is included to minimize dust.

•Sweeping Equipment

- Street sweepers (water & vacuum equipped) to be used at site perimeter on a regular schedule, regardless of onsite operations.
- **Sweeping equipment will be deployed within site boundaries to manage dust on paved areas.**
- Additional street sweepers will be on call during mass excavation or after rain events.

•Site Management Professionals

- **AlphaEMC will act as the independent dust and erosion control inspector** on behalf of Morgan Harbour with the responsibility of monitoring and reporting dust control plan compliance.
- **GSG** will be the independent dust and erosion control inspector working on the owners behalf, responsible for monitoring and reporting dust control plan compliance.
- **Full time MHC employee (Kevin Gibbons 630.371.8888) is responsible for the execution and compliance of the Dust Mitigation Plan for all construction activities.**
- Kevin Gibbons has the authority to stop work if the dust control program is not adhered to by trade partners.
- Independent dust and erosion control inspector is responsible for documenting surrounding community and roadway conditions on a daily basis.
- Monitor wind speed and direction throughout the day for potential adverse effect to dust control program.

•Vegetation

- Ground covering will be installed at future landscape areas to stabilize exposed soil as soon as possible following excavation activities.
- Reduces erosion issues during rain and wind events.

•Barriers

- Maintenance of the perimeter fence wind screen will control air currents, reducing dust migration from the site. Daily inspection and repair of wind screen is included to avoid dust migration.
- Asphalt pavement will be **installed as a first priority, out of normal sequence, to provide a hard surface inside the project site.** This will mitigate dust both inside and outside the project fence. See Site Logistics Exhibit for scope.

•Stone

- Large aggregate will be used for haul roads and access roads within the site to reduce soil dusting.
- SWPPP compliant construction entrance is installed which mitigates material tracking onto public roadways.



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GENERAL ACTIVITIES

- **Communication**
 - Establish a single point of contact for communication with the City of Chicago Building Department inspectors based on their desired frequency.
 - Provide emergency contact list for direct communication with Building Department and Alderman's office.
 - Designate a single point of contact for neighborhood outreach.
 - All dust mitigation activities throughout the day will be tracked within the daily report which is available for review throughout the workday.
 - Confirmation of the effectiveness of this plan will be included in the Daily Report.
 - Inspection surrounding public roadways will be inspected and issues related to non-Exchange 55 issues will be documented for action by responsible party.
- **Weather monitoring**
 - Wind speed, wind direction and precipitations will be observed and logged in the Daily Report.
- **Record of Watering**
 - Daily tracking of watering efforts.
- **Record of Street Sweeping**
 - Daily records kept for on site and off site sweeping.
- **Single Site Entrance**
 - Single entry and exit point will be used to control vehicular traffic and migrating soil onto the roadway.
- **Truck Management**
 - All trucks leaving the site are required to use the most direct route to Interstate 55.
 - **All trucks within the site on unpaved surfaces will adhere to a speed limit of no more than 8 mph.**
 - All trucks leaving the site, full or empty, will be inspected for loose material.
 - All trucks shall adhere to the tarping policy which includes covered loads, no exceptions
 - All trucks will be required to be rinsed down before they leave the site to ensure debris and dust are not carried on to neighboring roadways.



SITWORK

- Utilize watering trucks during cut and fill operation to reduce dust.
- Install asphalt binder at the earliest opportunity to cap soil which reduces dust potential.
- Reduce operation during high wind events.
- Minimize vehicle traffic on the building pad during mass excavation.
- Limit equipment speed to lower than normal speeds to reduce dust.
- Visually inspect trucks importing or exporting materials to contain all soil within the site.
- Manage stone and asphalt truck deliveries so that all staging is done within the site boundaries.
- Water pavement stone placement as required to suppress dust.
- Provide additional street sweeping during sewer & water stone import durations.
- Manage deliveries to avoid ROW obstructions
- Schedule sitework to minimize the number of potential dust generating activities being performed.
- Deploy additional pumping equipment to move casual water off of work areas to avoid mud transfer.
- Early under slab stone placement. Creates a barrier for wind generated dust.



LIME STABILIZATION

Purpose

- Stabilize the existing soils to construct the building pad and parking areas.
- Reduce the moisture holding capacity of the existing soils.
- This soil treatment is required in order to improve constructability and load-bearing capacity of the existing soils.

Process

- Add lime to the wet soil to generate long-term strength gain.
- Lime is added to the existing soils through pulverization which thoroughly combines the lime and soil.
- After the lime/soil mixing is complete the soil is compacted and the process is performed again on the next lift of materials placed until the pad elevation is achieved.
- Lime stabilization creates dust which is controlled through proper application process and watering of the work areas. We will provide **double the required** amount of water equipment to ensure dust is controlled within the stabilization zone.



PLAN EXHIBITS

- **Plan Exhibits**
 - Daily report sample
 - Dust Mitigation Inspection form sample
 - Logistics Plan dated 4/21/20 For current Setup
 - Initial Paving Plan dated 4/21/20



Daily Log: Tuesday 4/21/2020



Daily Log Completed & Distributed

The Daily Log was completed and distributed by Julian Suarez on Tue Apr 21, 2020 at 03:02pmCDT.

WEATHER REPORT

Temperature			Precipitation Since			Humidity				Windspeed		
Low	High	Avg	Midnight	2 Days Ago	3 Days Ago	Low	Avg	High	Dew	Avg	Max	Gust
35°F	50°F	43°F	0.01 in.	0.10 in.	0.10 in.	22%	40%	70%	19°F	11.4 mph	14 mph	27 mph

DAILY SNAPSHOT

06:00AM	09:00AM	12:00PM	03:00PM	06:00PM	09:00PM
clear-night 36°F	clear-day 39°F	clear-day 45°F	clear-day 50°F	clear-day 49°F	clear-night 41°F

OBSERVED WEATHER CONDITIONS

No.	Weather Delay	Sky	Temp	Average	Precipitation	Wind	Ground/Sea
1	No						

MANPOWER LOG

Workers | Man Hours

NOTES LOG

No.	Issue?	Location	Comments
1	Yes		City officials from the Health Department as well as members of Hilco were here to discuss the dust control procedures that need to be implemented going forward.
2	No		MHC Team on-site to coordinate Dust Mitigation Plan.

Notes Log's Attachments:

DELAY LOG

Delay Type	Start Time	End Time	Duration	Location
Existing Structure Removal	06:30 AM	04:30 PM	10.0	
	Comments:	Delay due to ComEd Ductbanks in the SE end of the site. Therefore MVP cannot continue working on the storm sewer installation.		
Owner Directive	06:30 AM	05:30 PM	11.0	
	Comments:	Delay due to the city's concerns about the smoke stack demolition that took place on 4-18.		
Existing Structure Removal	06:30 AM	04:30 PM	10.0	
	Comments:	Concrete obstructions whether on the demo plans or existing have still not been removed in the phase 1 area. The material in this area needs to be used for the fill operation in the waste water treatment area hole.		

PHOTOS



[4.21.20-1.jpg](#)



[4.21.20-2.jpg](#)



[4.21.20-3.jpg](#)

By

Date

Copies To

Morgan/Harbour Construction
7510 South Madison Street
Willowbrook, Illinois 60527
Phone: (630) 734-8800

Project: MHC-0603 - Exchange 55
3501 S Pulaski
Chicago, Illinois 60603

Dust Mitigation Inspection Report #1

0/28	0	0	0	0
Items Inspected	Pass	Fail	N/A	Neutral

TYPE:	Environmental	STATUS:	Open
TRADE:	Sitework	LOCATION:	Sitework
SPEC SECTION:	LINKED DRAWINGS:		
DESCRIPTION:			
Jobsite dust mitigation plan audit. this inspection is to be completed each work day.			
ATTACHMENTS:			

INSPECTION DETAILS

INSPECTION DATE:	4/22/2020	DUE DATE:	
ASSIGNEE:	Kevin Gibbons	RESPONSIBLE CONTRACTOR:	Morgan/Harbour Construction
POINT OF CONTACT:	Kevin Gibbons		

Morning Huddle with trade contractors completed

1.1	MHC Team members Morning huddle completed Details:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	Fail	N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.2	Excavation morning huddle completed Details:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	Fail	N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.3	Site utilities morning huddle completed Details:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	Fail	N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.4	Concrete morning huddle completed Details:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	Fail	N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

1.5	Asphalt morning huddle completed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.6	Roofing morning huddle completed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.7	Landscape morning huddle completed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.8	Precast morning huddle completed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
1.9	Steel morning huddle completed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

Summary: 0 Pass 0 Fail 0 N/A 0 Neutral

Equipment Deployed

2.1	Water truck #1 operational Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
2.2	Water Truck #2 operational Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
2.3	Street sweeper schedule confirmed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
2.4	Street Sweeper on site Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

2.5	Tire wash equipment operational Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

Summary: 0 0 0 0
Pass Fail N/A Neutral

Site perimeter

3.1	Site access roads are cleaned on an as needed basis Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.2	Exterior site perimeter inspected for soil migration Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.3	Interior site perimeter inspected for potential soil migration Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.4	Site fence windscreen inspected Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.5	O'Connor/Cougar Street Inspected Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.6	Pulaski Street Inspected Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.7	Proper signage secured at access points / pedestrian walkways Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
3.8	Traffic control procedures in place and maintained Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

3.9	Flaggers used for traffic control Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

Summary: 0 Pass 0 Fail 0 N/A 0 Neutral

Truck management				
4.1	Trucks on paved roads compliant Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
4.2	Trucks on unpaved roads compliant Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				
4.3	Loading and unloading of trucks procedure for dust control executed Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

Summary: 0 Pass 0 Fail 0 N/A 0 Neutral

Environmental Issues				
5.1	SWPPP Report completed and uploaded Details:	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> N/A
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

Summary: 0 Pass 0 Fail 0 N/A 0 Neutral

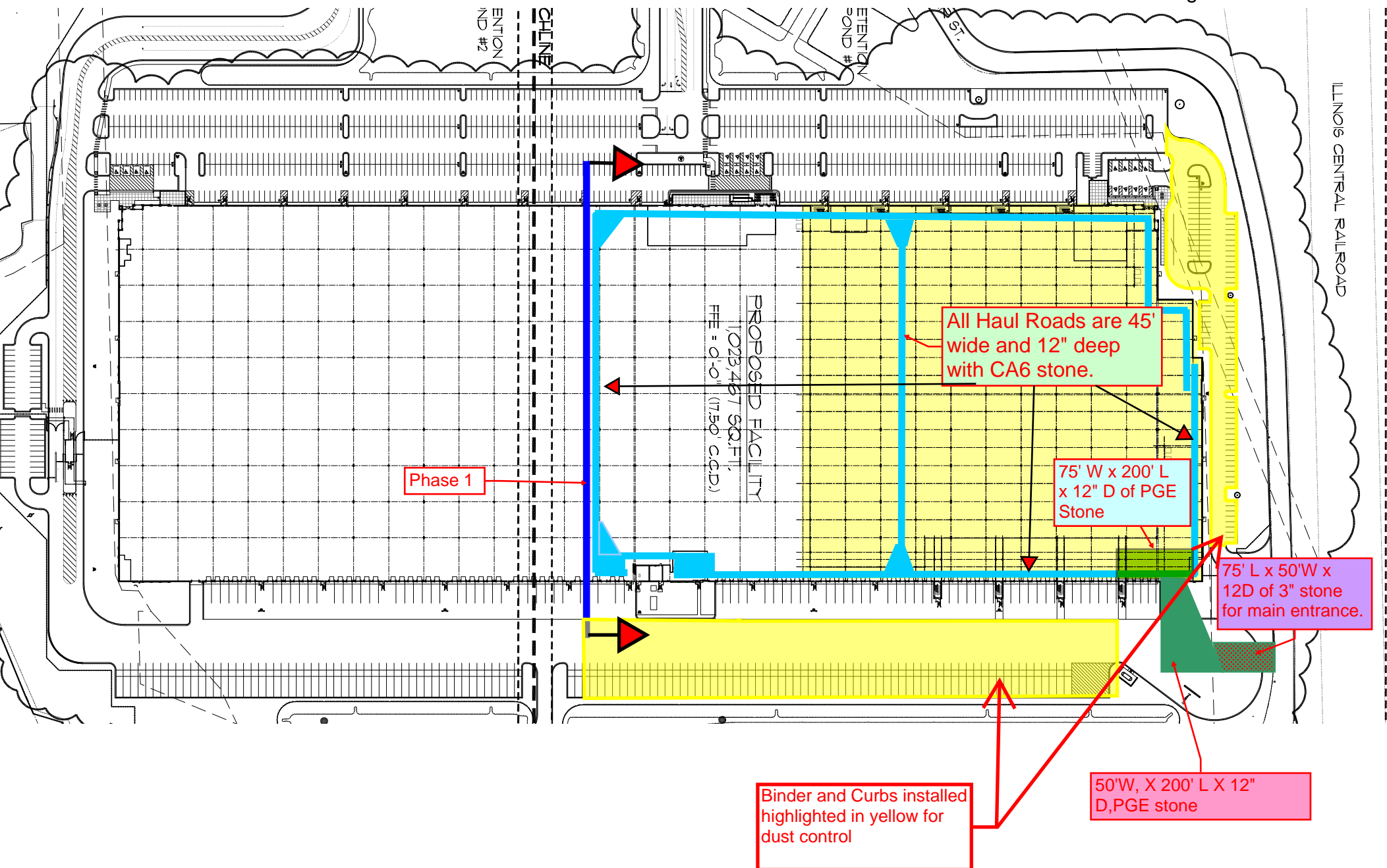
Overall Compliance				
6.1	Today's inspection confirmed compliance with the 4/22/20 Dust Mitigation Plan Details:	No Response		
Activity: 0 Response Changes, 0 Attachments, 0 Photos, 0 Comments, 0 Observations				

Summary: 0 Pass 0 Fail 0 N/A 0 Neutral



Date: 04/21/2020

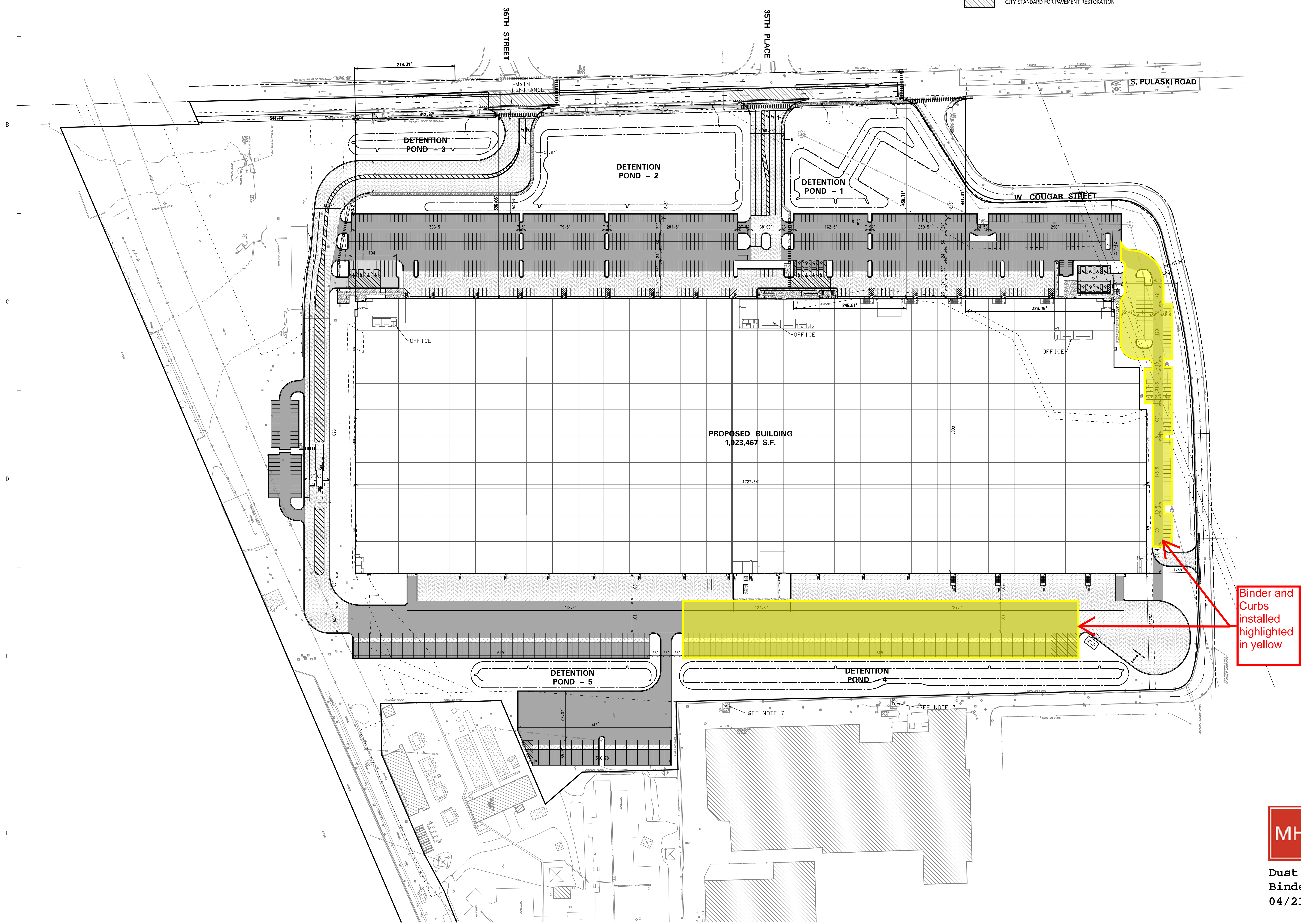
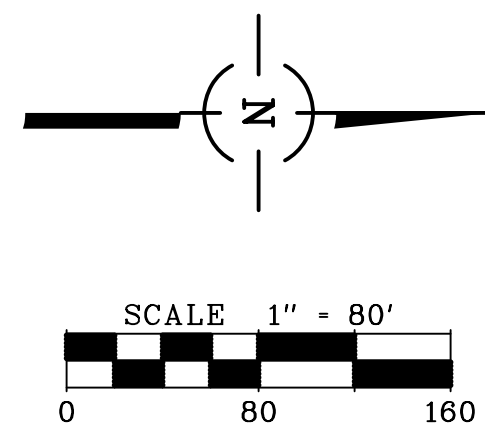
Site Logistics Plan



PARKING SUMMARY	
STANDARD PARKING STALLS =	1,046
HANDICAP PARKING STALLS =	20
TOTAL PARKING STALLS =	1,066
TRUCK PARKING STALLS =	150
TRACTOR PARKING STALLS =	22

- NOTES:**
1. ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. ALL CURBS AND GUTTERS ARE STANDARD PITCH UNLESS OTHERWISE NOTED.
 3. SEE SHEET C100 FOR PAVEMENT SECTION DETAILS.
 4. ALL PAVEMENT MARKINGS SHALL BE PAINT.
 5. ALL ACCESSIBLE PARKING SPACE SIGNAGE SHALL CONFORM TO ILLINOIS ACCESSIBILITY CODE.
 6. SEE ARCHITECTURAL DRAWINGS FOR DESIGN AND DETAILS OF THE BUILDINGS.
 7. PAVEMENT RESTORATION PER SIGNED PRA DATED 7-3-19. PAVEMENT RESTORATION TO EXTEND 5' BEYOND THE EDGES OF THE TRENCH.

PAVING LEGEND	
	STANDARD DUTY PAVEMENT
	HEAVY DUTY PAVEMENT
	CONCRETE PAVEMENT OR APRON
	CONCRETE SIDEWALK
	PAVEMENT PATCH (PUBLIC STREET UTILITY CUTS)
	CITY STANDARD FOR PAVEMENT RESTORATION



Binder and
Curbs
installed
highlighted
in yellow