

CONSENT AGREEMENT

This Consent Agreement ("CA") is made between the City of Detroit, including by and through its Buildings, Safety Engineering, and Environmental Department, ("City") and Greenfield Supply Center, LLC ("Greenfield"), Green Valley Properties, LLC ("GVP") and Dino-Mite Crushing and Recycling LLC ("Dino") by and on behalf of themselves and their related and affiliated companies (collectively "GSC"). The City and GSC are collectively referred to in this Agreement as the Parties or individually as a Party.

Whereas GVP owns the parcels located at 12621 Greenfield, 12625 Greenfield, 12627 Greenfield and 15775 Glendale, which have now been combined into 12625 Greenfield (hereinafter "Subject Property"), with Dino operating a Concrete Crushing Facility and with Greenfield operating a Salt Dome and a Retail Center at the Subject Property;

Whereas the Parties desire to resolve all differences by and between them as to all local ordinances and state laws, including but not limited to agreeing regarding compliance with the City of Detroit Property Maintenance Ordinance contained in the 2019 Detroit City Code, Part IV, Chapter 8, Article XV -Property Maintenance Code, as amended (the "Code") and Michigan Public Nuisance laws, including MCL § 600.2940, and MCL § 600.2926 (collectively, "Michigan Law");

Whereas the Parties desire to confirm and agree through this CA, including by the permits, licenses, and/or certificates referenced below, that GSC is in full¹ compliance with the Code and Michigan law for the Subject Property, including its use for a Concrete Crushing Facility pursuant to the Grant issued by BSEED that became effective on November 13, 2018 (**the Grant is *Exhibit A to this CA***) (the "Concrete Crushing Facility"), the retail center ("Retail Center"), and the salt dome (the "Salt Dome") (collectively, the "GSC Businesses"); and

Whereas, upon execution of this CA, the parties agree to dismiss the Wayne County Circuit Court remanded case now before the Department of Appeals and Hearings ("DAH") and the Parties have determined that the DAH decision and Opinion of hearing officer Seth R. Doyle III, dated September 11, 2023 (**Exhibit B to this CA**) is now final and binding on the Parties.

Now therefore in consideration of the promises and covenants set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed as follows:

1. **Concrete Crushing Facility, Salt Dome and Retail Center.** As evidenced by the permits, licenses, renewals, and certificates attached hereto as **Exhibit C**, the City confirms its approval of the Concrete Crushing Facility, the Salt Dome, and Retail Center, including approval of all such operations and business activities thereto, and that each are in full compliance with the Code, the Grant, and Michigan Law. For avoidance of doubt, the operations of the Salt dome and the Retail Center are not, and shall not be deemed, an expansion of the Concrete Crushing Facility (as the Salt Dome and the Retail Center do not crush concrete) nor shall it be deemed a violation

¹ Section 2.e. below requires new a application/permit solely related to the new irrigation and tap into City of Detroit water ("Tap Permit"). Upon issuance of the Tap Permit, the Parties agree that GSC also will be in full compliance with any and all requirements for the items addressed in Section 2.e. below.

or expansion of the Grant – rather, the operations of each are expressly approved and deemed in full compliance with the Grant, the Code and Michigan Law.

2. **The Concrete Crushing Facility.** The Parties have worked cooperatively to reach agreement on existing and continued operations of the Concrete Crushing Facility to maintain the safety of the community and its surrounding residents. The Parties believe that the agreements and actions set forth below are in the best interests of the Parties, the community, and the residents. Accordingly, the Parties agree as follows:

a. **Pile Height.** Although the Code permits a pile height for the Concrete Crushing Facility of no more than 50 feet, GSC agrees to maintain pile heights of no more than 45 feet. The parties agree that a pile height of 45 feet is in full compliance with the Grant, the Code and Michigan law and that no other regulation, law, ordinance, code (including the Code and Michigan Law) requires a lower pile height. The City further agrees that the current law provides that any future ordinance, statute, regulation or any other item of any kind or form that purports to require a lower pile height shall not apply to the Concrete Crushing Facility. *See e.g., Edward C. Levy Co. v. Marine City Zoning Bd. of Appeals, 293 Mich. App. 333, 342 (2011).*

b. **Dust Control – Paving Interior Areas.** The parties agree that the interior roads of the existing operations contribute to fugitive dust and that the paving of such areas as described herein will eliminate, or substantially eliminate, dust issues from the Concrete Crushing Facility. The City acknowledges that it has in the past desired to have the interior roads remain dirt/gravel and therefore water permeable, however, the parties have agreed that paving is the best means of dust control and therefore GSC is approved and City shall promptly issue a permit to GSC to permit it to pave such areas as consistent with condition #6 in the Grant and as set forth in the paving plans (see **Exhibit D to this CA**). As the paving plan calls for the stormwater to runoff into the retention pond (and not into the City's system), GSC shall continue to receive Detroit Water and Sewage Department (DWSD) credits it presently has relating to stormwater runoff. GSC agrees that the paving activities shall conform to the requirements of the Code and Michigan Law as to materials and technical specifications and, if not in compliance, GSC shall, upon written notice from BSEED, take action to bring into compliance.

c. **Amended Fugitive Dust Plan.** GSC will continue to implement all practices outlined in the Amended Fugitive Dust Plan, with the location of the additional set of rumble strips to be as set forth below (**Exhibit E to this CA**). This includes GSC continuing to perform quarterly fugitive dust testing (Visual Emissions Testing Method 9D) in accordance with the City of Detroit and State of Michigan prescribed guidelines using certified testers who employ the required testing techniques and equipment required per the Code and Michigan Law. City agrees that passing the quarterly fugitive dust testing under Method 9D shall constitute full compliance with any fugitive dust obligations. The City further agrees that current law provides that any future ordinance, statute, regulation or any other item of any kind or form that purports to require additional fugitive dust controls including new or additional measures, conditions, standards, levels shall not apply

to the Concrete Crushing Facility. *See e.g., Edward C. Levy Co. v. Marine City Zoning Bd. of Appeals, 293 Mich. App. 333, 342 (2011).*

d. Install Rumble Strips. To assist in eliminating dust from vehicles accessing the site, GSC will install another set of rumble strips before entering the outbound scale, which City expressly approves.

e. Irrigation and Tap into City of Detroit Water. GSC requires additional water, especially during the summer months, to better irrigate the site and piles and to assist in preventing fugitive dust. GSC agrees to submit required permit applications to DWSD and BSEED. The City agrees to assist with and promptly provide a water tap permit and a ROW permit to be issued by DWSD. The City agrees to assist with and promptly provide a plumbing permit to be issued by BSEED as a necessary precursor to the DWSD permits referenced above.

f. Geotechnical Report Compliance. In light of GSC's agreement to reduce the pile heights as set forth above and its submission of a geotechnical report that has been accepted by the DAH, City agrees that the Subject Property and the Concrete Crushing Facility comply with all geotechnical and/or stability requirements. Approximately at the three-year mark following full execution of this CA and for each three-year interval thereafter, GSC agrees to conduct a foundation review by a certified engineer of the then concrete crushing pile (which is not a full geotechnical report) in a similar form and content to the April 3, 2024 Letter from Hosam Yaldo, P.E. of NTH Consultants (**Exhibit F to this CA**). The City shall not require or seek to impose any other, additional, or different requirement or action in connection with the concrete crushing pile.

3. Tickets/Fines. The Parties shall file the appropriate document with the DAH to fully and finally dismiss with prejudice – and without cost, fines or admission of liability – any and all of the tickets (including any fines) ever issued to GSC.

4. Paving or Repaving of Exterior Roads. GSC shall not be responsible for paving or repaving any exterior roads to the Subject Property. The Parties acknowledge and agree, however, that the condition of exterior roads to the Subject Property are in disrepair and are contributing to fugitive dust in the area. As such, the City of Detroit shall use its best efforts to: (a) cause the re-paving and/or repair of all City roads surrounding the Subject Property, which if done, Dino voluntarily will contribute Twenty-Five Thousand Dollars (\$25,000.00) towards such re-paving and/or repair, and City agrees that it shall not assess, and is prohibited from assessing, any of the properties owned or operated by GSC or their affiliates for any activities associated with such re-paving and/or repair, and (b) encourage the County of Wayne to re-pave and/or repair the County roads surrounding the Subject Property, in particular Greenfield Road and the overpass portion of Greenfield Road.

5. GSC and the GSC Businesses are in Full Compliance with the Code and Michigan Law. City -confirms and agrees that GSC and the GSC Businesses have all² necessary permits, certificates of occupancy, inspections, grants, and permissions to operate the GSC

² See the Tap Permit set forth above, which is the only matter still in process.

Businesses. City further confirms and agrees that GSC and the GSC Businesses are operating in full compliance with the Grant, the Code and Michigan Law – any past or present complaints, tickets, claims, allegations, asserted violations, etc. to the contrary are withdrawn, null and void, and forever resolved.

6. **Additional Properties Adjacent to Subject Property.** If GSC acquires additional properties adjacent or near the Subject Property (whether combined into or separated from the Subject Property), GSC agrees that it shall not conduct any concrete crushing on such additional properties and City agrees that the foregoing shall not violate condition 1 of the Grant or this CA.

7. **Effective Date.** This CA shall become effective on the date it is executed by the Parties.

8. **Interpretation/Construction.** This CA has been negotiated by the Parties and their respective attorneys and is to be interpreted according to the plain meaning of its terms and not strictly for or against any Party. This CA shall be construed without regard to which Party drafted it and shall be interpreted as if both Parties participated equally in the drafting of this CA.

9. **Binding Effect.** It is understood and agreed that this CA shall be binding upon and inure to the benefit of each Party's administrators, legal representatives, attorneys, agents, successors and assigns.

10. **Modification/ Severability/Governing Law/No Waiver/Integrated Agreement.** This CA shall not be modified, changed, amended, terminated, or rescinded in whole or in part except in writing and executed by both Parties. If any portion of this CA may be held by a court of competent jurisdiction to conflict with any federal, state, or local law and of no force and effect in such jurisdiction all remaining provisions of this CA shall remain otherwise in full force and effect and be construed as if such invalid portion or portions had not been included herein. This CA will be interpreted and governed by the laws of the State of Michigan. The failure by any party to this CA to enforce at any time or for any period of time one or more terms or conditions of this CA shall not constitute a waiver of such terms or conditions or of such Party's right thereafter to enforce each and every term of this CA. This CA contains the entire Agreement between the Parties as to the subject matter contained herein and no prior oral understandings, representations, statements or promises contrary to this Agreement exist.

11. **Notice.** Notices pursuant to this Agreement shall be provided to:

<p>The City of Detroit David Bell Director/BSEED 2 Woodward Avenue, Ste. 401 Detroit, MI 48226 belld@detroitmi.gov</p>	<p>Greenfield Supply Center, LLC Tony Calo PO Box 702068 Plymouth, MI 48170</p>
---	---

<p>With a copy to:</p> <p>Conrad Mallett Corporation Counsel 2 Woodward Avenue, Ste. 500 Detroit, MI 48226 conrad.mallett@detroitmi.gov</p>	<p>With a copy to:</p> <p>Michael Wais and Patrick M. McCarthy Howard & Howard Attorneys PLLC 450 W. 4th Street Royal Oak, MI 48067 mwais@howardandhoward.com pmccarthy@howardandhoward.com</p>
---	---

In witness whereof, the Parties have executed this Agreement on the date acknowledged below:

The parties have executed this agreement on: [XXX]

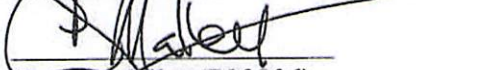
For City

By: 
David Bell

For GSC

By: 
Tony Calo

APPROVED AS TO FORM:


Conrad Mallett (P30806)
9/18/2024



Patrick M. McCarthy (P49100)

EXHIBIT A

OF

CONSENT AGREEMENT



Corrected Copy

BSEED Case No.: 56-18
Property Address: 12621, 12625 & 12627 Greenfield Road
Decision Date: October 30, 2018
Effective Date: November 13, 2018

Owner/Applicant
Greenfield Supply Center LLC
Attn: Tony Calo
P.O. Box 530563
Livonia, Michigan 48153



Request: Establish a Concrete Crushing Facility (Very High-Impact Manufacturing or Processing) on an 11.57 acre parcel.

Location: 12621, 12625 & 12627 Greenfield Road between Fullerton Avenue and Glendale Street in an M4 (Intensive Industrial) Zoning District and legally described as: *W GREENFIELD PT OF N E 1/4 SEC 25 T 1 S R 10 E DESC AS BEG AT INTSEC N LINE FULLERTON WITH W LINE GREENFIELD W SERV RD TH S 86D 27M 40S W 56.12 FT TH N 89D 43M 30S W 212.92 FT TH N OD 07M 30S E 94 FT TH S 89D 43M 30S E 112.62 TH N OD 16M 30S E 7 FT TH S 89D 43M 30S E 155.69 FT TH S OD 13M 36S E 97.27 FT TO PTE OF BEG 22/--- 26,239 SQ FT, W GREENFIELD PT OF NE 1/4 SEC 25 T 1 S R 10 E DESC AS BEG AT A PTE 188 FT NLY & 207 FT WLY FROM E 1/4 COR SD SEC TH N 89D 43M 30S W 155.56 FT TH S OD 16M 30S W 7 FT TH N 89D 43M 30S W 112.62 FT TH S OD 7M 30S W 94 FT TH N 89D 43M 30S W 292.7 FT TH N OD 7M 30S E 104 FT TH N 89D 43M 30S W 530 FT TH N OD 03M W 41.63 FT TH N 47D 45M E 88.29 FT TH ON CUR TO R 379.31 FT-RAD 508.97-CH N 69D 06M E 370.60 FT TH S 89D 33M E 284.43 FT TH ON CUR TO R 130.46 FT-RAD 960.37 FT- CH S 85D 39M 30S E 130.36FT TH ON CUR TO R 90.92 FT- RAD 613.08 FT-CH S 77D 41M 41S E 90.90 FT TH S OD 02M 30S W 111.61 FT TH S 89D 43M 30S E 21.09 FT TH S OD 16M 30S W 74.50 FT TH S 89D 43M 30S E 155.39 FT TH SLY 23 FT TO P O B 22/--- 231 509 SQ FT & W GREENFIELD THAT PT OF NE 1/4 SEC 25 T 1 S R 10E DESC AS BEG AT A PTE N OD 03M W 211 FT TH N 89D 43M 30S W 207.36 FT FROM E 1/4 COR TH NLY ALG GREENFIELD SERVICE RD 462.11 FT TH N 89D 43M 30S W 800.70 FT TH ALG A 20D CUR TO R 114.80 FT TH S 23D 14M 52S W 22.14 FT TH ALG A 21D 15M 24S CUR TO R 32.75 FT TH S 30D 10M 11S W 11 FT TH S 32D 46M 30S W 84.15 FT TH ALG A 20D CUR TO R 73.55 FT TH S 47D 07M 30S W 32.05 FT TH ALG A 7D 20M 58S CUR TO R 32.75FT TH S 49D 31M 49S W 11 FT TH ALG A 11D 05M 22S CUR TO L 39.60 FT TH S 49D 45M W 80.59 FT TH S OD 03M E 11.65 FT TH N 47D 45M E 88.29 FT TH ALG A CUR TO R 379.31 FT RAD 508.97 FT- CH N 67D 06M E 370.60 FT TH S 89D 33M E 284.43 FT TH ALG A CUR TO R 130.46FT RAD 960.37 FT*



BSEED Case No.: 56-18
Property Address: 12621, 12625 & 12627 Greenfield
Decision Date: October 30, 2018
Effective Date: November 13, 2018

*CH S 89D 35M 30S E 130.36 FT TH ALG A CUR TO R 90.92 FT RAD
613.08 FT TH S OD 02M 30S W 111.61 FT TH S 89D 43M 30S E 21.09 FT
TH S OD 16M 30S W 74.50 FT TH S 89D 43M 30S E 155.30 FT TO POB
22/-- 253,275 SQ FT (PIN 22050987-8, 22050990-1& 22050992.001)*

The current legal use of the subject property is 'Junkyard/Dismantling Indoor' established by permit number 00151, issued on September 27, 2007, however 12625 Greenfield recently changed the use to 'Outdoor Storage' by permit BLD2018-03653 but no Certificate of Occupancy was obtained. . The applicant proposes to operate a concrete crushing facility at the subject site. The site currently contains six buildings of which three shall be demolished and removed. At time of inspection, the subject property contained blocks of concrete stacked approximately twenty feet high along with heavy operating equipment.

This proposal was reviewed by the Industrial Review Committee as required by Section 61-2-84(19) of the Detroit Zoning Ordinance.

This request has been processed in accordance with the provisions of Sections 61-3-201, 61-10-83(4) and 61-16-201 of the Detroit Zoning Ordinance and the following submittals were considered as part of this request:

1. Preliminary Plans prepared by NTH Consultants, last revised 8/16/2018 and approved by BSEED on 8/31/2018 and including the following:
 - a. Site Plan
2. Recommendation to approve the use from the Detroit Planning & Development Department received October 18, 2018.

Our department held a public hearing on 9/26/2018. Notice of this hearing was published in the Detroit Legal News on 9/11/2018 and mailed to 31 property owners within 300' of the subject site. One notice was returned as undeliverable. In addition to the City of Detroit departments, eleven people attended the public hearing; the two applicants and their consultant, six people in support and two persons in opposition. Thirty letters of support and two letters of opposition were received.

After careful consideration, the required findings of fact were made per Section 61-3-231, specifically:

- A) That per the Planning & Development Department, the conditional use is consistent with the City of Detroit Master Plan designation of *Light Industrial (IL)*. These uses generally consist of industrial uses of low intensity that have minimal undesirable effects on adjacent residential or commercial land uses.
- B) That the use as proposed will not substantially diminish property values within the area and in fact the improvements to the site will eliminate blight and upgrade the area. The applicant will paint the buildings and removed a large amount debris and add landscaping; and



BSEED Case No.: 56-18
Property Address: 12621, 12625 & 12627 Greenfield
Decision Date: October 30, 2018
Effective Date: November 13, 2018

- C) That the addition of a concrete crushing facility to this neighborhood would not be detrimental to or endanger the social, physical, environmental or economic well-being of surrounding neighborhoods.

Thereby, the ordinance requirements for a conditional use have been satisfied in this case and the request has been APPROVED WITH CONDITIONS.

This conditional approval will become effective **November 13, 2018**.

However, Section 61-3-242 of the Zoning Ordinance provides the right to appeal this decision to the Board of Zoning Appeals prior to the effective date of this decision. A fee may be required for an appeal to the Board of Zoning Appeals. **All appeals must be made in person at the Zoning Counter, 4th Floor, Coleman A. Young Municipal Center.**

It shall be the responsibility of the person or organization who files an appeal, or his/her duly authorized representative, to attend and testify at the Board of Zoning Appeals hearing as to why the original decision of this Department should not take effect.

If no written appeal is filed prior to the effective date of this decision, the conditional approval shall be deemed final.

NOTE: THIS LETTER IS NOT A PERMIT

If no appeal is made within the prescribed time, you must:

1. Pick up the official decision letter from the Buildings, Safety Engineering and Environmental Department Zoning Office, 4th Floor, Room 407, Coleman A. Young Municipal Center.
2. Record the official decision letter with the Wayne County Register of Deeds and present proof of registration to the BSEED Zoning Counter when applying for the necessary permit.
3. Submit three sets of fully dimensioned, drawn to scale, signed & sealed, construction drawings for the proposed development prior to the issuance of the necessary permits by the Buildings, Safety Engineering and Environmental Department. Final construction drawings shall be substantially similar to the preliminary plans submitted for zoning approval.

Please call 224-1317 (on or after the effective date of this grant) before coming to pick up your verified copy of this letter. If someone else is to secure your letter and permits, they must provide a signed and notarized letter of authorization granting them the authority to act on your behalf.

CONDITIONS OF APPROVAL



BSEED Case No.: 56-18
Property Address: 12621, 12625 & 12627 Greenfield
Decision Date: October 30, 2018
Effective Date: November 13, 2018

-4-

Occupancy of the premises without full compliance with all of the following conditions is unlawful and contrary to the provisions of the Zoning Ordinance and is subject to penalties as provided in the Ordinance, which may include the revocation of this grant and/or daily fine of \$250-500, for not complying with these conditions.

1. That this grant is only to establish a Concrete Crushing Facility (Very High-Impact Manufacturing or Processing) and this use cannot be further expanded, altered or modified without permission from the BSEED or the Board of Zoning Appeals. No vehicle sales, repair, bumping and/or painting are permitted onsite.
2. That the proper permit be secured from the Buildings, Safety Engineering and Environmental Department by May 13, 2019. Failure to secure such permit will thereby invalidate and terminate this grant.
3. Failure to obtain a Certificate of Occupancy before making use of the premises as herein described will nullify this special land use approval and result in enforcement action.
4. That there are currently three parcels associated with this project, combine the addresses with the Assessor Division before a permit is issued.
5. That legal interest in the subject properties be provided at time of permit.
6. That all roads, parking areas, driveways and loading/unloading areas within the subject property shall be maintained with asphalt or cement and be properly graded and drained in accord with the plumbing code. All parking spaces must be clearly marked with stripes with concrete wheel stops.
7. That a chained-linked fence between six to eight feet in height containing opaque screening material shall be maintained along the perimeter of the subject property. To achieve a height high than eight feet, the fence must be placed on a berm.
8. That concrete and cement material shall not be visible from the right-of-ways as indicated in section 61-14-235 of the Detroit Zoning Ordinance.
9. That all loading and unloading activities be performed onsite and not via any adjacent public right-of-way.
10. That the applicant try to keep dust down to every extent possible.
11. That all buildings shall be kept free from graffiti and peeling paint. That the buildings shall be painted in neutral or earth tone colors as required by Section 61-14-277 of the Detroit Zoning Ordinance.



BSEED Case No.: 56-18
Property Address: 12621, 12625 & 12627 Greenfield
Decision Date: October 30, 2018
Effective Date: November 13, 2018

12. That the owner and tenants of said premises abide by all of the provisions of the Detroit Property Maintenance Code, Article 1, Chapter 9 of the Detroit City Code at all times. That this operation be conducted in such a manner as to not create a nuisance of any kind to the surrounding neighborhood.
13. That all signs, including temporary signs and banners, shall abide by the requirements of Article VI of the Detroit Zoning Ordinance and Chapter 3 of the Detroit City Code.
14. That the proper city and state licenses be obtained prior to operating at this location.
15. That a "Certificate of Maintenance of Grant Conditions" be obtained annually by the owner/operator of the subject premises/use; and further, that the proper application for such Certificate be filed with the Buildings, Safety Engineering and Environmental Department no later than each annual anniversary of the effective date of this grant.

Sincerely,

David Bell
Director

DB/JSP/EL

EXHIBIT B

OF

CONSENT AGREEMENT

STATE OF MICHIGAN CITY OF DETROIT DEPARTMENT OF APPEALS & HEARINGS ADMINISTRATIVE APPEALS BUREAU	OPINION AND ORDER OF HEARING OFFICER	DAH SHOW CAUSE HEARING NO.: 23-SCH-01
---	---	---

Address: 2 Woodward Avenue, Suite 1004, Detroit, Michigan 48226

Telephone No. 313-224-0098

Buildings Safety Engineering & Environmental Department Coleman A. Young Municipal 2 Woodward Ave., Ste., 412 Detroit, MI 48226
Attorney, bar no., address, and telephone no. Jason H. Harrison (P31297) City of Detroit Law Department Coleman A. Young Center 2 Woodward Ave., Ste. 500 Detroit, MI 48226 (313) 237-5085 jason.harrison@detroit.gov

V

Greenfield Supply Center, LLC AKA Green Valley Properties 12627 Greenfield Detroit, MI 48227
Attorney, bar no., address, and telephone no. Michael F. Wais (P45482) Howard & Howard Attorneys, PLLC 450 West Four Street Royal Oak, MI 48067 (248) 723-0361 mwais@howardandhoward.com

OPINION AND ORDER

Claimant, City of Detroit Buildings, Safety, Engineering and Environmental Department (BSEED) issued a notice of intent to revoke land use on October 25, 2022, alleging reasonable grounds exist to revoke the land use rights granted to the respondent, Green Valley Properties, LLC (GREEN VALLEY). Pursuant to Section 50-5-73 of the 2019 Detroit City Code (City Code), GREEN VALLEY was required to appear before this Court to show cause and present evidence as to why the land use grant conditions have not been violated and whether the land use should not be revoked. Based on the testimony and evidence presented, this Court finds no reasonable basis to revoke the land use in this matter.

I. BACKGROUND

On October 30, 2018, BSEED issued a land use grant and approved GREEN VALLEY to operate a concrete crushing business, located at 12625 Greenfield in the City of Detroit. The effective date of the grant was November 13, 2018. GREEN VALLEY began operating shortly thereafter.

Under the land use grant, GREEN VALLEY was required to operate the business in compliance with fifteen (15) grant conditions. After grant approval, BSEED issued a certificate of occupancy and approved a site plan for the property.

On June 24, 2022, BSEED performed an inspection of the GREEN VALLEY property. The BSEED inspector determined that GREEN VALLEY was out of compliance with some of the 2018 grant conditions. The inspector issued a correction order to GREEN VALLEY on July 5, 2022. On October 4, 2022, a subsequent inspection was performed by the same BSEED inspector, which caused an emergency correction order to be issued to GREEN VALLEY. Both correction orders referenced the violations which were found during the dates of each inspection. Each correction order contained very similar violations; however, the latter emergency correction order included an additional violation related to a geotechnical report, that BSEED required GREEN VALLEY to provide. On October 25, 2022, BSEED sent GREEN VALLEY a notice of intent to revoke land use.

II. STANDARD OF REVIEW

Pursuant to City Code Section 50-5-74 (Revocation; Required Findings), BSEED may revoke land use rights upon making one or more of the following findings:

- (1) That the land use grant, variance, or permit was approved based on erroneous or misleading information or misrepresentation.

- (2) That the terms or conditions of approval of the permit have been violated, the use has become a nuisance and/or is injurious to the adjacent and surrounding property owners or the applicant has failed to comply with all applicable local, state, and federal codes and ordinances; or
- (3) That there has been a discontinuance of the exercise of the entitlement granted by the permit for a continuous period of at least six months.

In this matter, BSEED allegations rest solely on finding #2.

The rules and procedures of the Department of Appeals and Hearings are promulgated in Section 2-111 of the 2012 Detroit City Charter and Section 3-3-3 of the City Code. Administrative Rule 3.1416 of the Department of Appeals and Hearings, Administrative Appeals Bureau, mandates that the hearing officer shall determine whether the decision of the department or agency was contrary to the facts of the case such that the administrative decision appears arbitrary or motivated by something other than facts presented to the administrative department or agency. The hearing officer may only overturn the administrative decision if the decision was unreasonable under the circumstances.

III. ANALYSIS

In this matter before the Court, BSEED alleges that GREEN VALLEY has committed the following violations:

- Failed to maintain an effective fugitive dust plan.
- Illegally expanded its business operations (salt dome, retail center and repair garage)
- Failed to pave all roads within the property with asphalt or cement.
- Failed to keep the site nonvisible from the public right of way.

- Failed to abide by applicable provisions of the Detroit Property Maintenance Code.
- Failed to provide a Geo technical report to BSEED.
- Failed to secure permits from BSEED, requiring a finalized building permit with photographs and measurements of the piles of aggregate on the site.

BSEED Inspector, Gordon Glenn, testified that he performed property maintenance inspections of the site on June 24, 2022, and October 4, 2022. He determined that grant condition #6 was in violation, which requires all roads on the site to be maintained with asphalt or cement. He found that the main interior road on the site was a gravel road. However, subsequent testimony and evidence revealed that GREEN VALLEY's 2018 site plan, that was approved by BSEED, prior to the opening of the business, has the gravel road in place. Further testimony revealed that the BSEED and GREEN VALLEY agreed that the gravel road would be allowed, to "mitigate storm water run-off." However, a separate agreement was not memorialized in writing by the parties. BSEED did not proffer any testimony or evidence to the contrary. Therefore, this Court finds that BSEED permitted GREEN VALLEY to operate the site with the gravel road in place as part of the approved site plan.

BSEED argues that GREEN VALLEY failed to comply with condition #10 of the land use grant, which requires GREEN VALLEY to try to keep dust down to every extent possible. Testimony from Mr. Homas Hassanien, Environmental Specialist 3 of BSEED, contends that he received complaints from residents and businesses around the site regarding excessive dust, allegedly caused by GREEN VALLEY's operation. Mr. Hassanien stated that he conducted several visits to GREEN VALLEY site and found

excessive dust in the area. BSEED also proffered 2 videos, both showing trucks driving along the Greenfield service drive and dust being generated as the trucks traveled along the street. It was unclear as to the source of the dust, whether it was from the street or dirt falling off the trucks. More importantly, BSEED proffered no evidence showing that these trucks were related to GREEN VALLEY's operations. No evidence was presented showing the trucks exiting or entering the GREEN VALLEY site.

Additionally, BSEED presented Mr. Albert Ramsey, a resident who lives about a mile from the GREEN VALLEY site. He testified that he drives by the GREEN VALLEY site daily and has witnessed heavy dust in the area. He further stated that his vehicle, located at his home, is regularly covered in dust.

In response to the allegation that it violated condition #10, GREEN VALLEY produced evidence and testimony, showing that it employs water trucks and street sweeper trucks that conduct daily dust mitigation procedures, on the site property, as well as on the public streets, within a quarter mile around the site. Activity logs of the water truck and sweeper trucks were introduced into evidence. Additionally, evidence and testimony from GREEN VALLEY was presented through Alyssa Beall, a certified emissions tester, employed by NTH, which is the project consultant at the GREEN VALLEY site. She testified that she conducts quarterly fugitive dust emissions testing on the site. Her test data was based on a scientific process, known as Method 9 testing, which according to both BSEED and GREEN VALLEY, is the scientific standard for dust emissions testing. Evidence and testimony regarding GREEN VALLEY testing data, going as far back as March 2022, clearly shows that dust emissions on the site were consistently within the acceptable ranges. BSEED failed to present its own emissions testing data to the Court.

Based on the testimony and evidence proffered, his Court finds that GREEN VALLEY did take reasonable steps to keep dust down on and around the site.

BSEED further alleges that the construction of a salt dome on the GREEN VALLEY site is an illegal expansion of the business onto adjacent properties, which is in violation of grant condition #4. This land use grant condition called for the combining of (3) three parcels of land into one address. Testimony and evidence show that the parcels were combined in 2019. However, BSEED contends that the salt dome parcel was not identified in the land use grant, and therefore, it must be added to the main parcel that the other three parcels are a part of. Testimony and evidence show that since late 2022, the parties have discussed having a special land use hearing, to add the salt dome to the main parcel. Mr. Chris Jackson, a business consultant for GREEN VALLEY testified that the salt dome was built in early 2022. He further testified that the sole purpose of the salt dome is to store salt that GREEN VALLEY buys and in turn sells the salt to the public in the winter. Mr. Jackson stated that the Detroit Zoning Department told him that the salt dome was a by-right use structure, like a garage, because it was being used for storage of salt only. He further stated that he paid a permit fee to the zoning department, pertaining to the salt dome but Zoning never denied or approved the permit. In response, BSEED contends that GREEN VALLEY failed to procure the proper permits to construct the salt dome. This Court finds that at the time the operation of the salt dome does not constitute an illegal expansion of business on to an adjacent property. At the time it was built, it was an independent/separate operation from GREEN VALLEY's primary business for concrete crushing.

The next land use grant condition that BSEED alleges that GREEN VALLEY violated relates to grant condition #8. This condition mandates that the concrete and cement materials on the site shall not be visible from the rights-of-ways. Grant condition #7 requires that an 8-foot dirt berm and an 8-foot-high chained link fence, which must be placed on the berm, to be maintained along the perimeter of the multi-acre site. BSEED Inspector Glenn testified that a section of fencing was missing on the Fullerton Street side of the site. BSEED failed to present any physical evidence in support of the allegation. Based on testimony and evidence of the parties, this Court finds that GREEN VALLEY did not violate land use grant #8 nor #7.

BSEED alleges that GREEN VALLEY failed to abide by applicable provisions of the Detroit Property Maintenance Code. In support of this allegation, BSEED proffered two correction orders that were issued by Inspector Glenn to GREEN VALLEY. The first correction order relates to an inspection conducted by Inspector Glenn on June 24, 2022. The second order is an emergency correction order that pertains to his inspection done on October 4, 2022. All violations listed in the first correction order were listed in the latter emergency order. However, the emergency correction order ordered GREEN VALLEY to provide a geotechnical report to BSEED.

Based on the correction orders, BSEED ordered GREEN VALLEY to arrange for an interior inspection. Inspector Glenn also testified that he visited the site and inside of the retail center several times after June 24, 2022. He further stated that he was never denied the opportunity to conduct an inspection of the retail center at any time. Mr. Jackson testified that he called BSEED to set up an interior inspection.

BSEED alleges that GREEN VALLEY failed to obtain an annual certificate of compliance. Mr. Jackson testified that GREEN VALLEY paid an invoice fee for the Renewal of Certificate of Alternate Compliance on December 8, 2021. It is unclear to the Court if the payment applied to 2021 or 2022. However, GREEN VALLEY did not present a 2022 certificate of compliance for the retail center in this hearing. BSEED alleges that GREEN VALLEY failed to pay the prescribed inspection fee. Mr. Jackson contends that GREEN VALLEY paid the inspection fee. However, GREEN VALLEY did not present evidence of payment. BSEED alleges that GREEN VALLEY failed to obtain a DAH clearance. Mr. Jackson testified that GREEN VALLEY paid a DAH clearance fee prior to June 24, 2022. However, GREEN VALLEY did not present a DAH clearance. Mr. Robert Watson, BSEED Supervisor, testified that a retail center that GREEN VALLEY opened after it started operations in 2018, had been issued a certificate of occupancy, but still needed an interior inspection to get a certificate of compliance. He further stated the retail center needed to have a review by the City of Detroit Board of Zoning Appeals. However, the correction orders do not specifically mention anything about the need for zoning approval. Mr. Watson stated that GREEN VALLEY has a working repair facility on the site that needs to be inspected so that it can obtain a certificate of compliance. The correction orders mention nothing about the repair facility needing zoning approval. However, GREEN VALLEY has failed to persuade this Court that it was in compliance with the property maintenance codes that were cited in the correction orders.

BSEED alleges that GREEN VALLEY failed to provide a required geotechnical report for the aggregate piles in the BSEED emergency correction order issued on October 7, 2022. BSEED argues that under the authority of the Michigan Building Code,

Sections 104.4 (Inspections) and the City Code Section 8-15-16, that it has the right to compel GREEN VALLEY to provide a geo-technical report related to the aggregate piles and their impact on the soil stability.

Based on testimony from Mr. Hassanien, Mr. Watson and Inspector Glenn, the height and weight of the aggregate piles raised concerns about the stability of the soil, particularly, considering a ground collapse event that occurred in November 2021, at the site of a Detroit business located at Dearborn St. and 4TH Street. BSEED witnesses testified that following this incident, they became more concerned about the pile heights at the GREEN VALLEY site and the number of piles.

The 2018 development site plan, which was approved by BSEED mandates that the pile heights are not to exceed 50 feet high. BSEED argues that they believed that aggregate pile heights on the GREEN VALLEY site were higher than 50 feet and that the pile locations were not consistent with the 2018 approved site plan. In its emergency correction order, inspection date on October 4, 2022, BSEED ordered GREEN VALLEY to perform soil stability testing on the site and to submit a geotechnical report. Witness testimony confirms that BSEED requested Detroit City Council to consider drafting a pile height ordinance. The City Council initiated discussions on the matter. BSEED argues that it communicated their concern about the soil stability to GREEN VALLEY, between June-July 2022. In response, GREEN VALLEY submitted soil testing data from 2019 and 2020 to BSEED in August, to convince BSEED that the site was stable and there is no risk of ground collapse. BSEED informed GREEN VALLEY that the 2019 and 2020 test data was not sufficient and required soil stability testing be done and a geotechnical report submitted to BSEED. Mr. Richard Burns, Senior Vice President of NTH, the project consultant for

GREEN VALLEY, testified that GREEN VALLEY provided information and assistance in working with City Council and BSEED regarding the proposed pile height ordinance. Mr. Jackson testified that it would have been unreasonable, due to the significant cost, for GREEN VALLEY to have a geotechnical report performed at that time, since City Council was still in the process of discussing the criteria or scope of a pile height ordinance. Testimony and evidence showed that the City Council ultimately decided not to move forward with drafting the ordinance. GREEN VALLEY engaged NTH to conduct soil stability testing and requested approval from BSEED to proceed with the soil testing. Mr. Hassanien testified that he granted approval for GREEN VALLEY to proceed in March 2023 and GREEN VALLEY submitted a geotechnical report to BSEED on July 6, 2023. BSEED retained Mr. Richard Anderson, a professional civil engineer, to review the report. He was presented to the Court as a rebuttal expert witness for BSEED. He stated that the GREEN VALLEY geotechnical report lacked information, information that he believed should have been in the report. He testified that the aggregate pile heights on the GREEN VALLEY site, mentioned in the report, were acceptable. However, he admitted that he never visited the GREEN VALLEY site. He also testified that no BSEED official stated to him that a soil failure or collapse was imminent at the GREEN VALLEY site.

Additionally, GREEN VALLEY contends that the pile locations are consistent with the approved site plan. BSEED did not present compelling evidence to persuade this Court that the aggregate piles were higher than 50 feet; that there were more piles and that the pile locations were inconsistent with the approved site plan. Furthermore, this Court finds that GREEN VALLEY'S decision to wait and see if the City Council was going to adopt pile height legislation was reasonable, under the circumstances. Finally, this Court agrees

with BSEED, in that it may compel GREEN VALLEY to provide a geotechnical report. However, based on the evidence and testimony presented, BSEED failed to persuade this Court that BSEED had a reasonable basis, in this case, to compel the production of a geotechnical from GREEN VALLEY because BSEED's concern of a soil collapse was not based on fact. The Court finds that on October 25, 2022, the date that BSEED issued the Notice of Intent to Revoke Land Use letter, GREEN VALLEY's operations did not pose a risk to public safety health and welfare to the community.

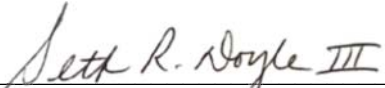
In BSEED'S pre-hearing brief, filed June 20, 2023, BSEED mentions that GREEN VALLEY has failed to secure permits from BSEED, requiring a finalized building permit with photographs and measurements of the piles of aggregate. This Court believes that it has adequately addressed this allegation, based on the testimony and evidence placed on the record, as it relates to permits and pile aggregate measurements.

III. CONCLUSION

The central question in this case is whether GREEN VALLEY has violated the terms or conditions of approval of the grant, has become a nuisance and/or is injurious to the adjacent and surrounding property owners or has failed to comply with all applicable local, state, and federal codes and ordinances. (City Code 50-5-74) Although this Court finds that GREEN VALLEY non-compliant with some of the requirements under the BSEED property maintenance code, the Court finds that GREEN VALLEY was in substantial compliance with the conditions of the land use grant. Testimony and evidence related to the material facts of this case, as of October 25, 2022, the date the notice to revoke was issued, was most probative in assisting this Court in reaching its decision.

Accordingly, this Court finds that BSEED's decision to revoke GREEN VALLEY's land use grant is not reasonable under the circumstances.

Dated: September 11, 2023


Hearing Officer Seth R. Doyle III

CERTIFICATE OF SERVICE

I certify that on this date a copy of this Opinion and Order was personally served upon the respondent or their attorney(s) by electronic mail and/or by first class mail.

September 11, 2023
Date


Signature

EXHIBIT C
OF
CONSENT AGREEMENT

Call (313) 628-2451 for re-inspection
A re-inspection fee may be required

Property Location:

12625 GREENFIELD RD, DETROIT, MI 48227

Record ID : **ANN2020-00077**

Issue Date: 09/26/2024

Legal Use : HIGH IMPACT - CONCRETE BATCH
PLANT

Square Feet : 12000

Tenant : GREENFIELD SUPPLY CENTE

Inspection Date: 09/26/2024

Expiration Date : **09/26/2026**

GREEN VALLEY PROPERTIES LLC
12627 GREENFIELD
DETROIT, MI 48227



**Buildings, Safety Engineering
& Environmental Department**

City of Detroit

Buildings, Safety Engineering and Environmental Department

Property Maintenance Division

Coleman A. Young Municipal Center

2 Woodward Avenue, 4th Floor, Suite 412, Detroit, Michigan 48226

(313) 628-2451 or E-mail pm@detroitmi.gov

CERTIFICATE OF COMPLIANCE

Issue Date: 09/26/2024

Record ID: **ANN2020-00077**

Issued To:

GREEN VALLEY PROPERTIES LLC
12627 GREENFIELD
DETROIT, MI 48227

Property Location: 12625 GREENFIELD RD
LEGAL USE: HIGH IMPACT - CONCRETE BATCH PLANT

This property has been inspected and found to be in compliance with the Correction Order issued under the authority of the Property Maintenance Code of the City of Detroit. Failure to maintain the above referenced location in compliance with the Property Maintenance Code shall be cause for termination of this certificate.

(Seal)

David Bell, Director

Expiration Date: 09/26/2026

Call (313) 628-2451 for re-inspection
A re-inspection fee may be required

Property Location:

12627 GREENFIELD RD, DETROIT, MI 48227

Record ID : **ANN2004-07251**

Issue Date: 09/26/2024

Legal Use : RETAIL OR WHOLESALE STORES

Square Feet : 8371

Tenant :

Inspection Date: 06/03/2024

Expiration Date : **09/26/2026**

GREEN VALLEY PROPERTIES LLC
12627 GREENFIELD
DETROIT, MI 48227



**Buildings, Safety Engineering
& Environmental Department**

City of Detroit

Buildings, Safety Engineering and Environmental Department
Property Maintenance Division
Coleman A. Young Municipal Center
2 Woodward Avenue, 4th Floor, Suite 412, Detroit, Michigan 48226
(313) 628-2451 or E-mail pm@detroitmi.gov

CERTIFICATE OF COMPLIANCE

Issue Date: 09/26/2024

Record ID: **ANN2004-07251****Issued To:**

GREEN VALLEY PROPERTIES LLC
12627 GREENFIELD
DETROIT, MI 48227

Property Location: 12627 GREENFIELD RD
LEGAL USE: RETAIL OR WHOLESALE STORES

This property has been inspected and found to be in compliance with the Correction Order issued under the authority of the Property Maintenance Code of the City of Detroit. Failure to maintain the above referenced location in compliance with the Property Maintenance Code shall be cause for termination of this certificate.

(Seal)

David Bell, Director

Expiration Date: 09/26/2026



DEPARTMENT OF
**Buildings, Safety Engineering &
Environmental**

Coleman A. Young Municipal Center
2 Woodward Avenue, 4th Floor #408
Detroit, Michigan, 48226

Phone 313-224-9102
Fax 313-224-1637
www.detroitmi.gov/BSEED

September 25, 2024

Conrad L. Mallett
Corporation Counsel
City of Detroit Law Department
Two Woodward Ave, Suite #500
Detroit, Michigan 48226

Re: Greenfield Landscape Supply Center
12627 Greenfield Rd

The City of Detroit BSEED Construction Division does not require a building permit for "flat work", including the drives and walking surfaces within the Greenfield Supply Center, LLC. GSC understands and agrees that all DWSD required permits must be obtained. The parties agree each will use best efforts to make sure permits are delivered timely."

Sincerely,

Randy Hargraves
Chief Construction Division
City Of Detroit
Buildings Safety Engineering & Environmental Department
Two Woodward Ave, Suite #408
Detroit MI 48226
(313) 224-9102

Cc: Jason Harrison
Chief of Staff
City of Detroit Law Department
Two Woodward Ave, Suite #500
Detroit, Michigan 48226

EXHIBIT D

OF

CONSENT AGREEMENT

ENGINEER/SURVEYOR



LAND DEVELOPMENT SERVICES

THE UMLOR GROUP
49287 WEST ROAD
WIXOM, MI 48393
FAX: (866) 690-4307
WEB: www.umlorgroup.com

JASON FLEIS, P.E.
PHONE: (248) 773-7656
EMAIL: jfleis@umlorgroup.com

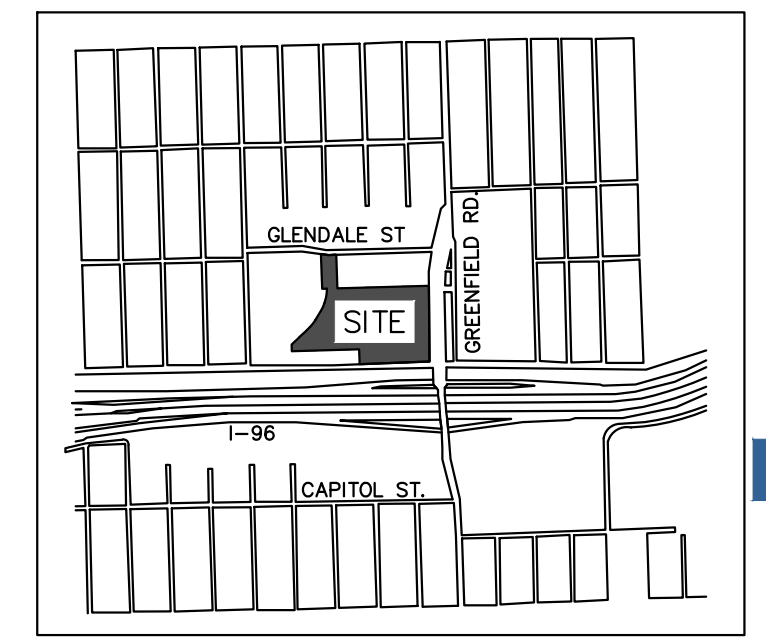
ROBERT Q. MAYNES, P.S.
PHONE: (248) 773-7656
EMAIL: BMAYNES@UMLORGROUP.COM

DEVELOPER/APPLICANT

CALO & SONS CONSTRUCTION
7871 CHUBB RD
NORTHVILLE, MI 48168
PHONE: 248-486-9200

CONSTRUCTION PLAN 12625 GREENFIELD ROAD

SECTION 25, TOWN 1 SOUTH, RANGE 10 EAST
CITY OF DETROIT, WAYNE COUNTY, MICHIGAN



VICINITY MAP
SCALE: 1" = 700' ±

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



Know what's below.
Call before you dig.

CONSTRUCTION SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES OR OF ANY OTHER PERSONS.

COPYRIGHT ©2024 THE UMLOR GROUP. ALL RIGHTS RESERVED.

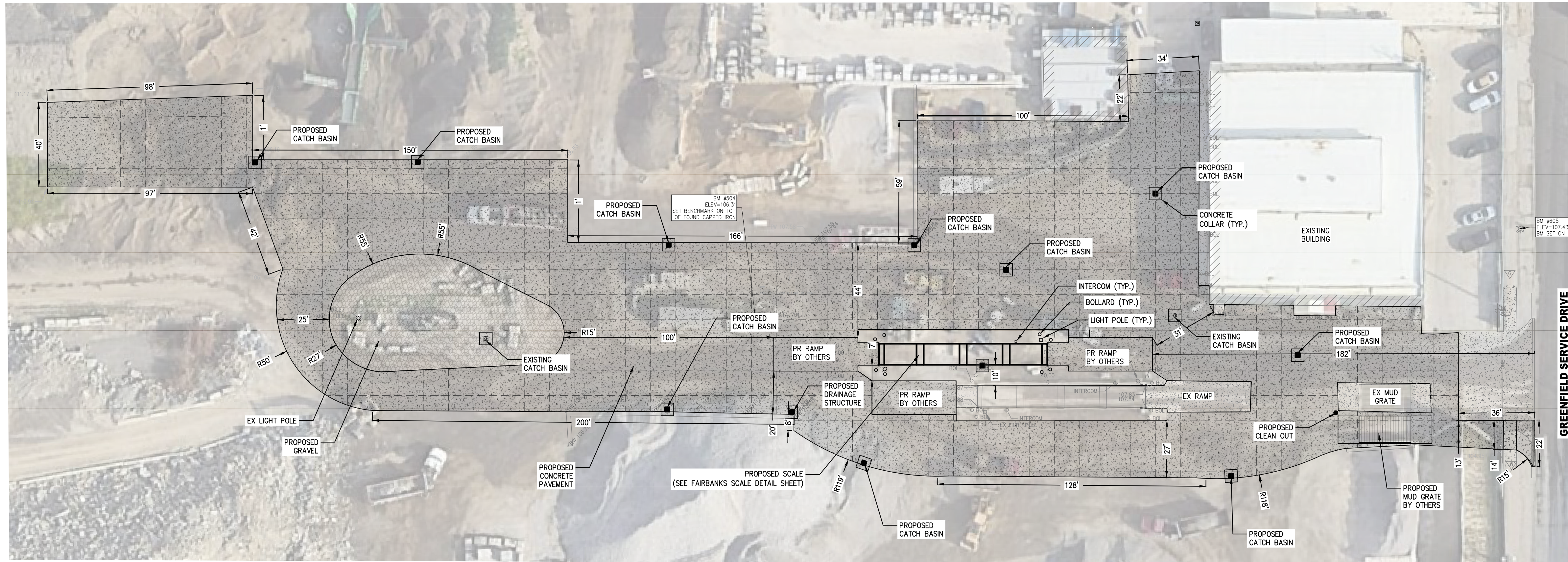
These documents are instruments of service in respect of the Project and any reuse without written verification or adaptation by The Umlor Group (UG) for the specific purposes intended will be at Users sole risk and without liability or legal exposure to UG and User shall indemnify and hold harmless UG from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom. Any such verification or adaptation will entitle UG to further compensation at rates to be agreed upon by User and UG.

SECTION 25
T. 1 S., R. 10 E.,
CITY OF DETROIT
WAYNE COUNTY, MICHIGAN

DATE: 8/19/24
REVISIONS

CLIENT: CALO & SONS CONSTRUCTION
7871 CHUBB RD
NORTHVILLE, MI 48168

COVER & SITE PLAN



SHEET INDEX

SHEET NUMBER	SHEET TITLE
C1	COVER & SITE PLAN
C2	TOPGRAPHIC SURVEY & DEMOLITION PLAN
C3	GRADING PLAN & DRAINAGE PLAN
C4	SESC PLAN
C5	DETAILS

REFERENCE

- 1 OF 1 EXISTING CONDITIONS - FEBRUARY 2016
- 1 OF 1 FAIRBANKS SCALE DETAIL

SITE INFORMATION

PARCEL ID 22050992.006
12.07 ACRES
ZONING M4

LEGAL DESCRIPTION

W GREENFIELD PT OF NE 1/4 SEC 25 T 1 S R 10 E ALL DESC AS BEG AT N LN FULLERTON AND W LN W GREENFIELD TH S 860 27M 40S W 56.12 FT TH N 89D 43M 30S W 505.62 FT TH N 00D 07M 30S E 104.00 FT TH N 89D 43M 30S W 530.00 FT TH N 00D 03M 00S W 53.34 FT TH N 47D 45M 00S E 80.59 FT TH ON CURVE R RAD 514.97 FT DELTA 04D 23M 08S ARC DIST 39.60 FT CHORD N 49D 56M 34S E 39.59 FT TH N 49D 31M 49S E 11.00 FT TH ON CURVE L RAD 780.04 FT DELTA 02D 24M 19S ARC DIST 32.75 FT CHORD N 48D 19M 40S E 32.75 FT TH N 47D 07M 30S E 32.05 FT TH ON CURVE L RAD 286.48 DELTA 14D 21M 00S ARC DIST 73.55 FT CHORD N 39D 57M 00S E 73.56 FT TH N 47D 07M 30S E 32.05 FT TH ON CURVE L RAD 286.48 DELTA 14D 21M 00S ARC DIST 73.55 FT CHORD N 39D 57M 00S E 73.56 FT TH N 32D 46M 30S E 84.15 FT TH N 30D 10M 11S E 11.00 FT TH ON CURVE L RAD 271.07 FT DELTA 06D 55M 19S ARC DIST 32.75 FT CHORD N 28D 42M 32S E 32.74 FT TH N 23D 14M 52S E 221.14 FT TH ON CURVE L RAD 286.48 FT DELTA 23D 06M 40S ARC DIST 114.80 FT CHORD N 11D 41M 32S E 114.77 FT TH S 89D 43M 30S E 800.64 FT TH ON CURVE L RAD 1715.17 FT DELTA 02D 55M 34S ARC DIST 87.59 FT CHORD S 01D 18M 34S W 87.57 FT TH S 00D 09M 13S E 399.06 FT TH S 00D 03M 00S E 97.23 FT TO POB 523.447.72 SOFT SPLIT/COMBINED ON 03/13/2020 FROM 22050987-0, 22050992.001, SPLIT ON 03/18/2024 WITH 22050986.002L INTO 22050992.007.

LEGEND	
	EXISTING CONCRETE
	PROPOSED CONCRETE
	PROPOSED GRAVEL
	PROPOSED STORM STRUCTURE
	PROPOSED STORM PIPE
	EXISTING STORM STRUCTURE
	EXISTING STORM PIPE
	PROPOSED LIGHT
	PROPOSED BOLLARD
	PROPOSED INTERCOM

GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE NECESSARY TRAFFIC CONTROL AND SIGNAGE TO MAINTAIN ACCESS TO AND WITHIN PROPERTY THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH LOCAL, COUNTY, AND STATE REQUIREMENTS OR AS DIRECTED BY ENGINEER. CONTRACTOR SHALL PROVIDE APPROPRIATE BARRICADES AROUND WORK AREAS FOR PEDESTRIAN AND VEHICULAR SAFETY.
- THE CONTRACTOR SHALL AVOID DAMAGE TO THE EXISTING PAVEMENTS DESIGNATED TO REMAIN. ANY PAVEMENT DAMAGE THAT OCCURS AS A RESULT OF THE CONTRACTORS OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXISTING SITE FEATURES SHALL BE PROTECTED UNLESS OTHERWISE INDICATED ON THE PLANS.
- CONTRACTOR TO PROVIDE JOINTING PLAN PRIOR TO START OF CONSTRUCTION FOR ENGINEER AND OWNER REVIEW.

CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS AS REQUIRED

BENCHMARKS

(CITY OF DETROIT DATUM)
BM #504
ELEVATION: 106.31
SITE BENCHMARK SET ON CAP OF FOUND IRON
BM #605
ELEVATION: 107.43
SET BENCHMARK ON HYDRANT ARROW



12625 GREENFIELD ROAD
CLIENT: CALO & SONS CONSTRUCTION
7871 CHUBB RD
NORTHVILLE, MI 48168
COVER & SITE PLAN

DATE: 8/19/24
REVISIONS

SCALE: 0 10 20
1" = 20 FEET
JOB NO. 240702
SHEET NO. C1
SHEET 1 OF 5

LEGEND		LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EX. SPOT ELEVATION		EX. STEAM MANHOLE
	EX. CONTOUR		EX. UNKNOWN UNDERGROUND
	EX. DITCH		EX. UNDERGROUND FIBER
	EX. WATER MAIN		EX. UNDERGROUND CABLE
	EX. WATER METER		EX. OVERHEAD TELEPHONE
	EX. WATER VALVE		EX. OVERHEAD CABLE TV
	EX. HYDRANT		EX. OVERHEAD FIBER
	EX. WATER MANHOLE		EX. COMMUNICATION RISER
	EX. FRESHWATER WELL		EX. COMMUNICATION HANDHOLE
	EX. GATE VALVE IN WELL		EX. UTILITY POLE
	EX. STORM SEWER		EX. GUY ANCHOR
	EX. STORM INLET/CATCH BASIN		EX. LIGHT POLE
	EX. ROUND STORM CATCH BASIN		EX. SIGN
	EX. STORM MANHOLE		EX. MAILBOX
	EX. STORM END SECTION		EX. FLAGPOLE
	EX. STORM CULVERT		EX. UNKNOWN MANHOLE
	EX. SANITARY SEWER		EX. MONITORING WELL
	EX. COMBINED SEWER		EX. PROPERTY LINE
	EX. SANITARY MANHOLE		EX. RIGHT-OF-WAY LINE
	EX. COMBINED MANHOLE		EX. SECTION LINE
	EX. CLEAN OUT		EX. PARCELS
	EX. SANITARY VENT		EX. EASEMENT
	EX. UNDERGROUND GAS		EX. CENTERLINE
	EX. GAS VALVE		EX. WETLAND LIMITS
	EX. GAS METER		EX. CURB/GUTTER
	EX. GAS MANHOLE		EX. FENCE
	EX. UNDERGROUND TELEPHONE		EX. GUARDRAIL
	EX. TELEPHONE MANHOLE		FOUND IRON
	EX. UNDERGROUND ELECTRIC		FOUND PK NAIL
	EX. ELECTRIC MANHOLE		FOUND CONC. MONUMENT
	EX. ELECTRIC RISER		SET IRON ROD
	EX. ELECTRIC TRANSFORMER		SECTION CORNER
	EX. ELECTRIC METER		POST
	EX. AIR CONDITIONER		BOLLARD
	EX. PUBLIC LIGHTING MH		RECORDED BEARING
	EX. PUBLIC LIGHTING ELEC		MEASURED BEARING
	EX. OVERHEAD ELECTRIC		EX. TREE (DECIDUOUS/CONIFER)
	EX. WATER MARKER		
	EX. GAS MARKER		
	EX. ELEC. MARKER		
	EX. TELE. MARKER		
	EX. SAN. MARKER		

BENCHMARKS

(CITY OF DETROIT DATUM)
 BM #504
 ELEVATION: 106.31
 SITE BENCHMARK SET ON CAP OF FOUND IRON
 BM #605
 ELEVATION: 107.43
 SET BENCHMARK ON HYDRANT ARROW



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



Know what's below. Call before you dig.
 CONSTRUCTION SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

COPYRIGHT © 2024 THE UMLOR GROUP. ALL RIGHTS RESERVED.

This document is an instrument of service with respect to the Project. Any reuse without written verification or adaptation by The Umlor Group (UG) for the specific purposes intended will be at User's sole risk and without liability or legal exposure to UG. User shall indemnify and hold harmless UG from all claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting therefrom. Any such verification or adaptation will entitle UG to further compensation at rates to be agreed upon by User and UG.

The UMLOR Group
 LAND DEVELOPMENT SERVICES
 49287 WEST ROAD WIXOM, MI 48393
 TEL 248.773.7656 - FAX 866.690.4307

SECTION 25
 T. 1 S., R. 10 E.,
 CITY OF DETROIT
 WAYNE COUNTY, MICHIGAN

DATE: 8/19/24

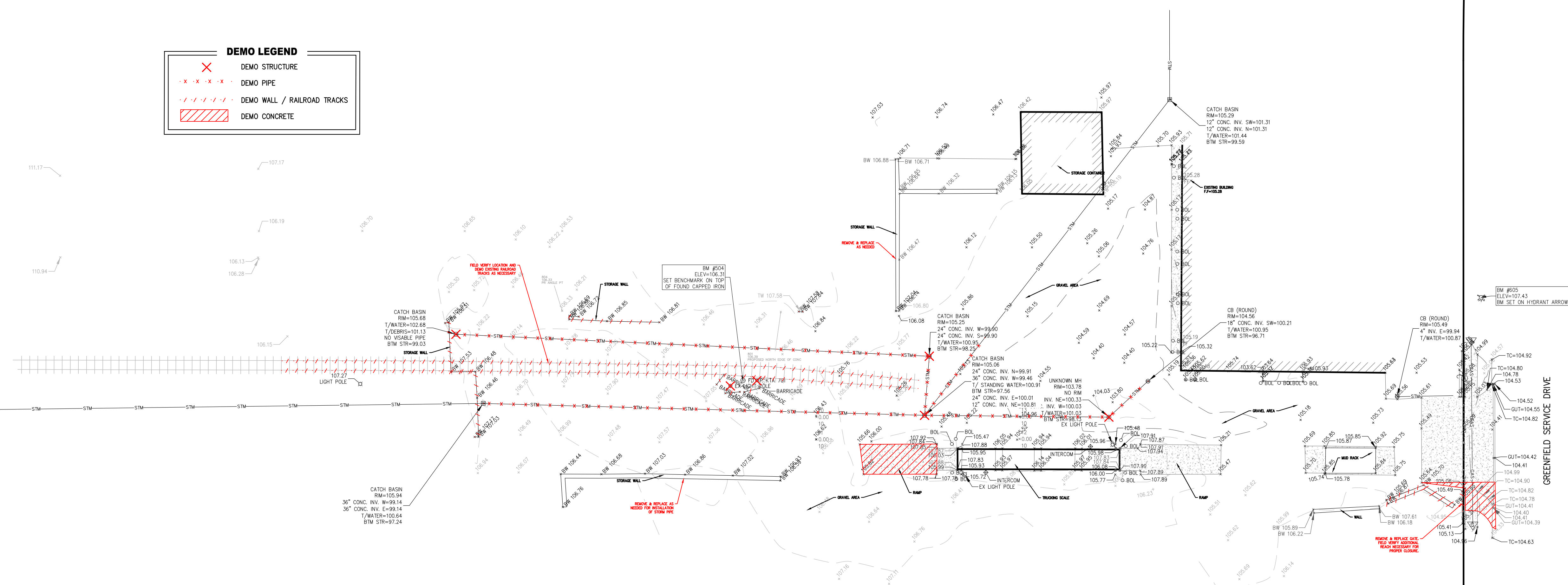
REVISIONS

12625 GREENFIELD ROAD
 CLIENT: CALO & SONS CONSTRUCTION
 7871 CHUBB RD
 NORTHVILLE, MI 48168

TOPOGRAPHIC SURVEY & DEMOLITION PLAN
 DR BY: SF
 CK BY: JF
 P.M. SA
 SCALE 0 15 30
 1" = 30 FEET
 JOB NO. 240702
 SHEET NO. C2
 SHEET 2 OF 5



DEMO LEGEND	
	DEMO STRUCTURE
	DEMO PIPE
	DEMO WALL / RAILROAD TRACKS
	DEMO CONCRETE



UMLOR GROUP PROJECT LOGS\CALO & SONS CONSTRUCTION\240702 - 12625 GREENFIELD\DESIGN FILES & PLAN SETS\BASE AUTOCAD FILES\TOPO\CALO_GREENFIELD - TOPO_2-16-24\DWG.DWG

**FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING**

FOR ROUND OPENINGS (with Grates)

Minimum Round Frame Size (DPT)	Minimum Round Frame Size with 1/2" Grates (DPT)
12"	12"
18"	18"
24"	24"

FOR OPEN THROAT CATCH BASINS - Mounted on Wall Beneath Catch Opening

Catch Opening Size	Flexstorm Pure Filter Size
12"	12"
18"	18"
24"	24"

FOR RECTANGULAR OPENINGS (with Grates)

Minimum Rectangular Frame Size (DPT)	Minimum Rectangular Frame Size with 1/2" Grates (DPT)
12"	12"
18"	18"
24"	24"

CREATE YOUR ADS FLEXSTORM PART NUMBER BY COMBINING FRAME SIZE AND BAGZIN

1. IDENTIFY YOUR FLEXSTORM FRAME PART NUMBER FROM TABLE ABOVE
 2. SELECT YOUR BAGZIN PART NUMBER BASED ON APPLICATION NEEDS

FLEXSTORM FILTER BAGS (12" depth)	Standard Bag (20")	Clear Water Flow Bag (15" depth)	Min A.D.S. (lb/50sqft)
PK Standard Woven Bag	FX	FX-S	40
PK Woven w/ Poly Grid	FXP	FXP-S	40
PKS Woven w/ Cell Screen	FXS	FXS-S	40
PK Post Construction Bag	PC	PC-S	140
PK Poly Bag w/ Mesh	PP	PP-S	140
PK Filter and Bag	LE	LE-S	140
PK FOOT Woven Bag	IL	IL-S	140

INSTALLATION

1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE. SEE DETAIL.
2. TOTAL BYPASS CAPACITY BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. FLEXSTORM DESIGNERS FRAME BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULATE DRAINAGE STRUCTURE.
3. UPON ORDERING CONFIRMATION OF THE SOIL CALLED, PRECAST OR CASTING MAKE AND MODEL OR DETAILED DIMENSIONAL DETAILS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMER FLEXSTORM PURE FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.ADSFILTERS.COM

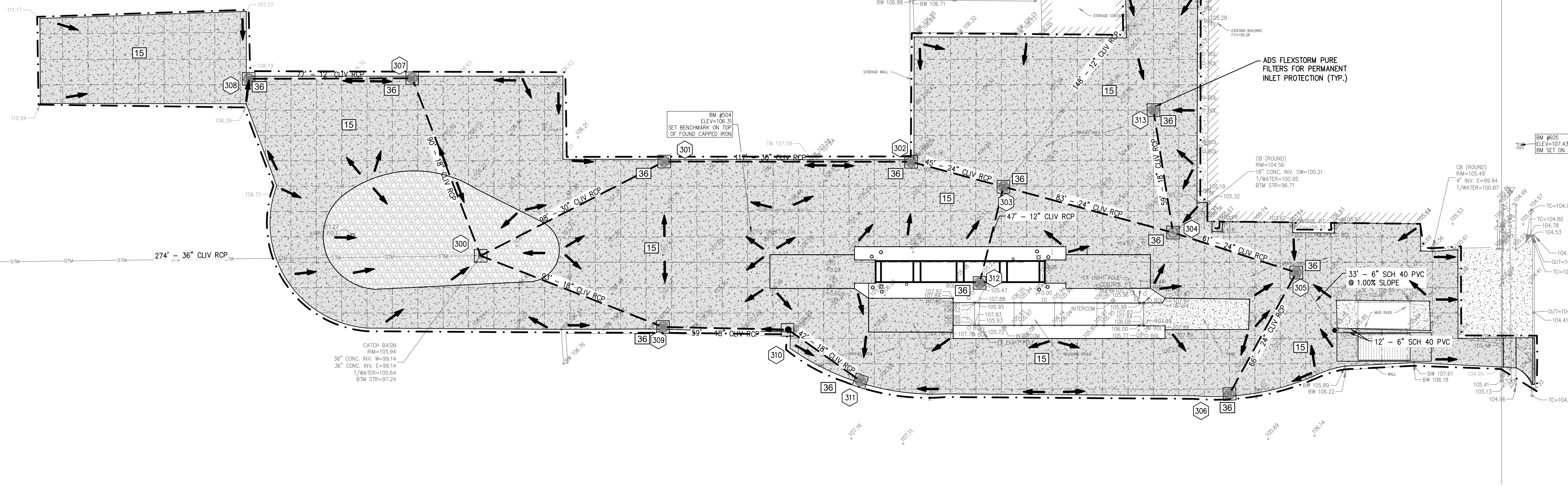
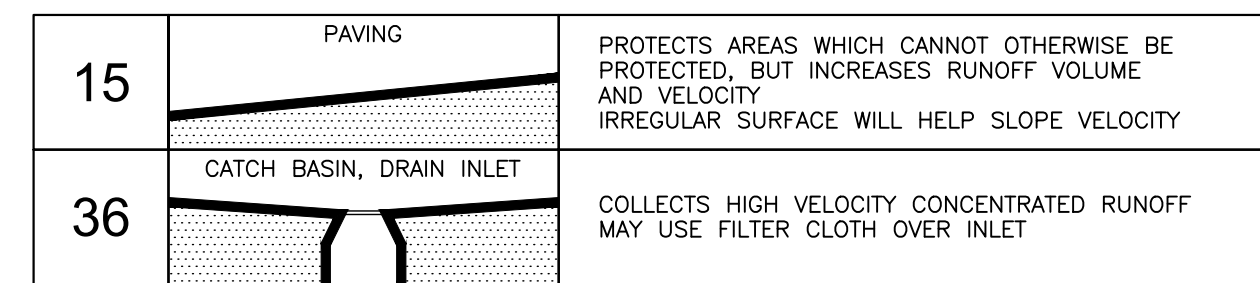
PR. SESC LEGEND

- INLET PROTECTION FILTER
- LIMITS OF DISTURBANCE

**PERMANENT INLET PROTECTION DETAIL
NO SCALE**

SOIL EROSION AND SEDIMENTATION NOTES - DETROIT:

- ALL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE WAYNE COUNTY WATER RESOURCES COMMISSIONER AND THE CITY OF DETROIT.
- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
- EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED WITHIN THE WORK AREA AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES, PONDS, AND WETLANDS.
- THE CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS DIRECTED ON THESE PLANS AND WHERE OTHERWISE REQUIRED BY THE WORK. THE CONTRACTOR SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER CHANGES HAVE BEEN ACCOMPLISHED.
- SOIL EROSION CONTROL PRACTICES WILL BE ESTABLISHED IN EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF DIRT OFF THE WORK AREA.
- THE CONTRACTOR SHALL PROTECT AND PRESERVE OFF-SITE NATURAL VEGETATION.
- PROTECT ALL EXISTING TREES, INCLUDING THEIR BRANCHES AND ROOTS, FROM DAMAGE DUE TO THIS WORK UNLESS SPECIFICALLY IDENTIFIED FOR REMOVAL.
- STABILIZATION OF ALL DISTURBED AREAS SHALL BE ESTABLISHED USING THE APPROPRIATE VEGETATION WITHIN 5 DAYS OF COMPETITION OF FINAL GRADING.
- THE CONTRACTOR SHALL SWEEP THE EXISTING STREETS SURROUNDING THE PROJECT SITE AS NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL AND SHALL PROVIDE ALL EQUIPMENT AND MATERIAL TO KEEP DUST IN CHECK AT ALL TIMES. THE CONTRACTOR SHALL RESPOND IMMEDIATELY TO ANY AND ALL COMPLAINTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMIT AND ENSURING COMPLIANCE WITH ALL APPLICABLE PERMIT REGULATIONS, INCLUDING BUT NOT LIMITED TO, INSPECTION, RESTORATION, AND RECORD KEEPING REQUIREMENTS. REPORTS FROM THE CERTIFIED STORM WATER OPERATOR SHALL BE MADE AVAILABLE TO THE CITY.



SEQUENCE OF CONSTRUCTION FOR SOIL EROSION CONTROL

1. ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF DETROIT.
2. INSTALL INLET FILTERS AS SHOWN ON THE SOIL EROSION CONTROL PLAN.
3. COMPLETE STORM SEWER INSTALLATION; IMMEDIATELY INSTALL STONE FILTERS ON ALL CATCH BASINS AND INLETS. (TEMPORARY)
4. INSTALL ALL PAVEMENT.
5. REPAIR AND/OR REPLACE ALL LOW POINT CATCH BASIN FILTERS AS NEEDED.(TEMPORARY)
6. FINISH GRADE, REDISTRIBUTE TOP SOIL, AND ESTABLISH VEGETATION ON ALL DISTURBED GROUND AREAS. COMPLETE LANDSCAPING, PRIOR TO INDIVIDUAL LOT DEVELOPMENT, ALL AREAS BETWEEN SIDEWALKS AND ROADS NEED TO BE PERMANENTLY STABILIZED.
7. CLEAN PAVEMENT AND STORM SEWERS OF ALL SEDIMENT.
8. REMOVE TEMPORARY SOIL EROSION CONTROL MEASURES AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
9. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO INSURE THAT ALL SOIL EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED.
10. CITY OF DETROIT OR ITS AGENT SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES. UPON THEIR DIRECTION, ADDITIONAL MEASURES SHALL BE CONSTRUCTED OR MAINTENANCE WORK SHALL BE PERFORMED TO ASSURE PROPER EROSION AND SEDIMENTATION CONTROL. REMOVAL OF CONTROL MEASURES MAY ONLY TAKE PLACE ONE ENTIRE SITE IS FULLY STABILIZED.
11. DUST MUST BE CONTROLLED AT ALL TIMES.
12. ALL MUD TRACKED ON PUBLIC ROADS AND INTERIOR ROADS SHALL BE REMOVED DAILY.

SOIL TYPE: UrbqB URBAN LAND RIVERFRONT COMPLEX, 0 TO 4 PERCENT SLOPES, 100% OF AREA OF DISTURBANCE
TOTAL DISTURBED AREA = ±1.62 AC

MAINTENANCE REQUIREMENTS
- STREET SCRAPING (DAILY)
- STREET SWEEPING (WEEKLY MINIMUM)

ADDITIONAL SESC NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING FACILITIES TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS, OR HAZARDOUS CONDITIONS.
2. SOD AND HYDROSEEDING SHALL BE DONE IN ACCORDANCE WITH THE LANDSCAPING PLAN. ALL OTHER DISTURBED AREAS SHALL BE TOPSOILED, HYDROSEEDED, FERTILIZED AND MULCHED.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COPY OF THE CERTIFIED PLAN AT THE CONSTRUCTION SITE.
4. PERMANENT VEGETATION TO BE SEED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
5. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES) WILL RECEIVE APPROPRIATE VEGETATIVE COVER AS STATED IN THE CONSTRUCTION SEQUENCE.
6. SLOPES STEEPER THAN 1V:6H SHALL BE STABILIZED WITH EROSION CONTROL BLANKET.
7. A RING OF SILT FENCE WILL BE INSTALLED SURROUNDING ANY STOCKPILE MATERIAL.

SOIL EROSION AND SEDIMENTATION CONTROL OPERATION TIME SCHEDULE												
CONSTRUCTION SEQUENCE 2024	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ROUGH GRADE									X			
STORM FACILITIES									X			
SITE CONSTRUCTION										X	X	
PERM. CONTROL MEASURES											X	
FINISH GRADING											X	

BENCHMARKS

(CITY OF DETROIT DATUM)
BM #504
ELEVATION: 106.31
SITE BENCHMARK SET ON CAP OF FOUND IRON
BM #605
ELEVATION: 107.43
SET BENCHMARK ON HYDRANT ARROW



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



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

CONSTRUCTION SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK. PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

These documents are instruments of service in respect of the Project and any reuse without written verification or adaptation by The Umlor Group (UG) for the specific purposes intended will be at Users sole risk and without liability or legal exposure to UG and User shall indemnify and hold harmless UG from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom. Any such verification or adaptation will entitle UG to further compensation at rates to be agreed upon by User and UG.

The UMLOR Group
LAND DEVELOPMENT SERVICES
10927 WEST ROAD WIXOM, MI 48193
TEL: 248-778-7737 FAX: 866-670-1907

SECTION 25
T. 1 S., R. 10 E.,
CITY OF DETROIT
WAYNE COUNTY, MICHIGAN

DATE: 8/19/24

REVISIONS

12625 GREENFIELD ROAD
CALO & SONS CONSTRUCTION
7871 CHUBB RD
NORTHVILLE, MI 48168

CLIENT:
SCALE: 0 15 30
1" = 30 FEET
JOB NO. 240702
SHEET NO. C4

DR BY: SF
CK BY: JF
P.M. SA
SCALE: 0 15 30
1" = 30 FEET
JOB NO. 240702
SHEET NO. C4
SHEET 4 OF 5

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



Know what's below.
Call before you dig.

CONSTRUCTION SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

COPYRIGHT © 2024 THE UMLOR GROUP. ALL RIGHTS RESERVED.

These documents are instruments of service in respect of the Project and any reuse without written verification or adaptation by The Umlor Group (UG) for the specific purposes intended will be at Users sole risk and without liability or legal exposure to UG and User shall indemnify and hold harmless UG from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom. Any such verification or adaptation will entitle UG to further compensation at rates to be agreed upon by User and UG.

The UMLOR Group
LAND DEVELOPMENT SERVICES
10927 WEST ROAD WIXOM, MI 48193
TEL: 248.778.7639 - FAX: 866.690.4907

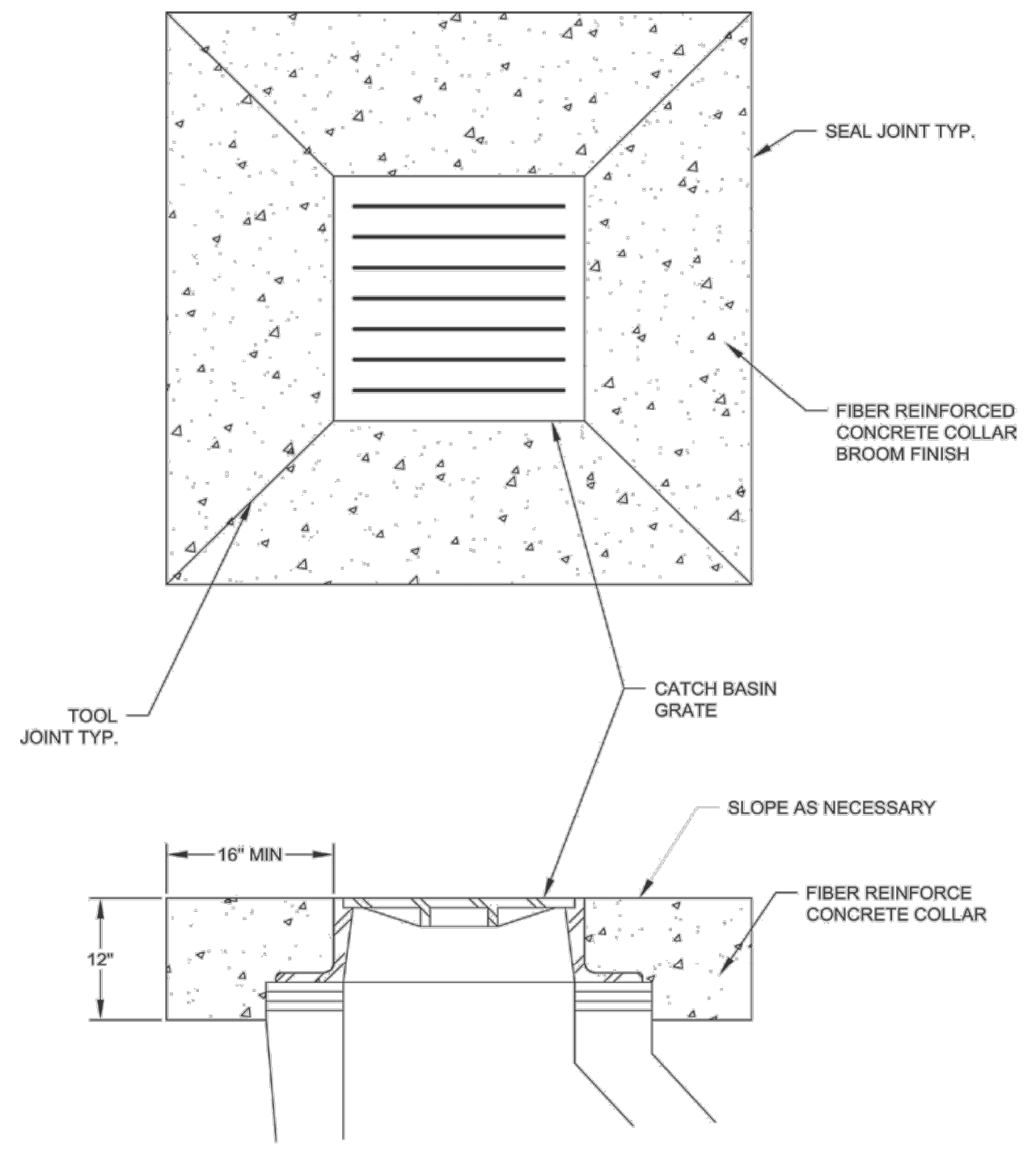
SECTION 25
T. 1 S., R. 10 E.,
CITY OF DETROIT
WAYNE COUNTY, MICHIGAN

DATE: 8/19/24

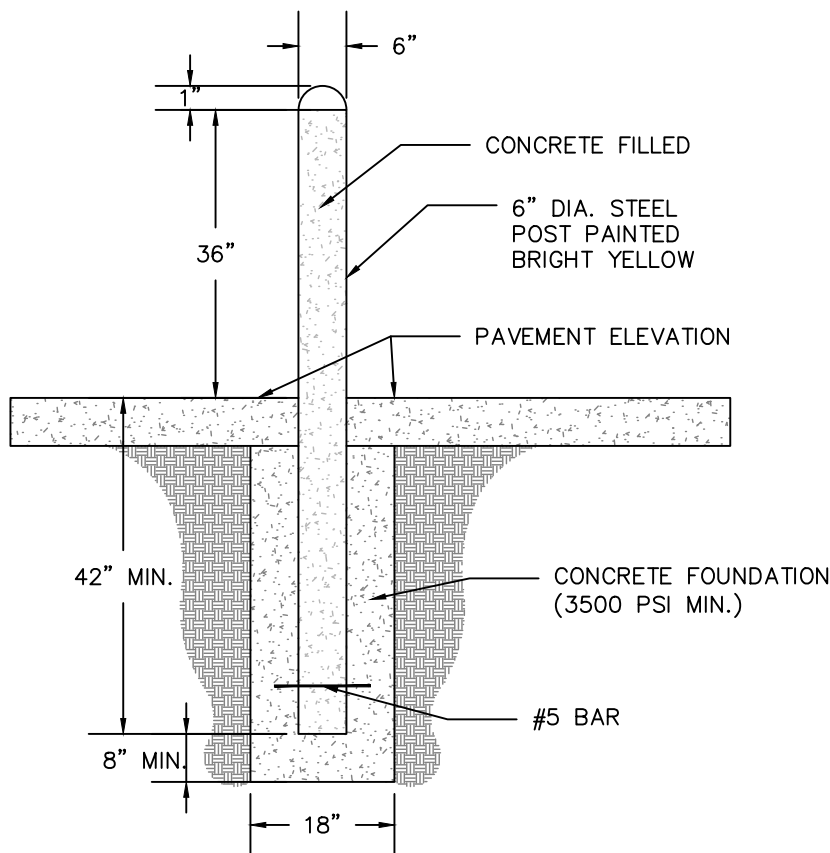
REVISIONS

12625 GREENFIELD ROAD
CLIENT: CALO & SONS CONSTRUCTION
7871 CHUBB RD
NORTHVILLE, MI 48168

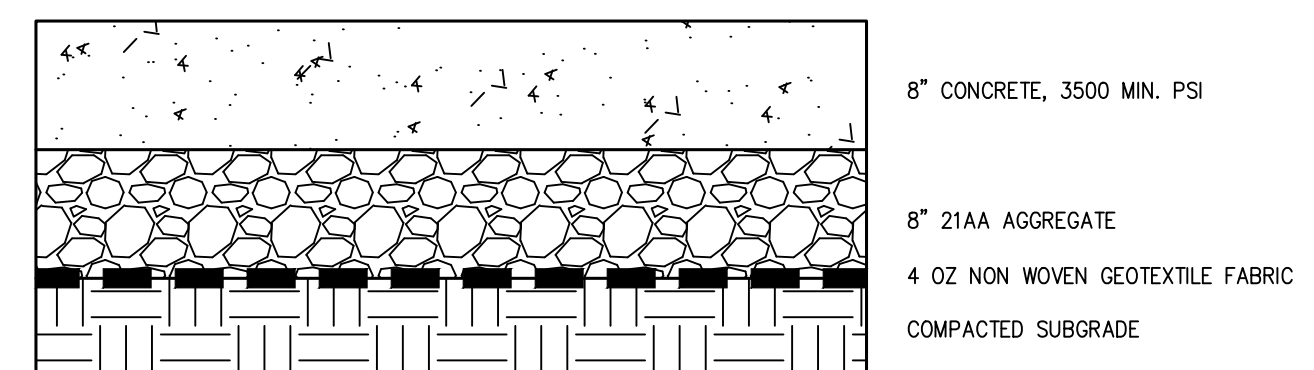
DR BY: SF
CK BY: JF
P.M. SA
SCALE: 0 -- --
NO SCALE
JOB NO. 240702
SHEET NO. C5



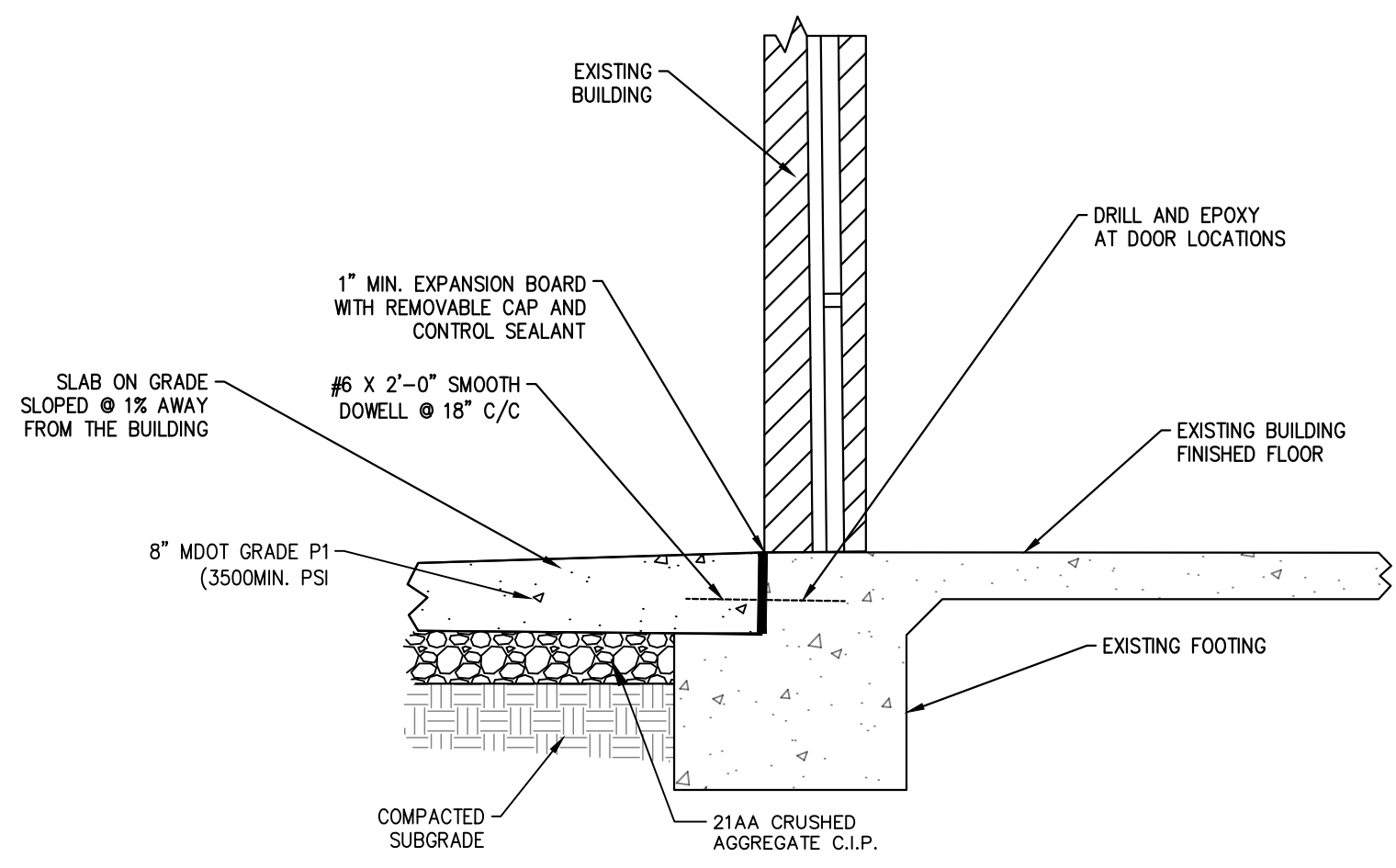
CONCRETE COLLAR DETAIL
NO SCALE



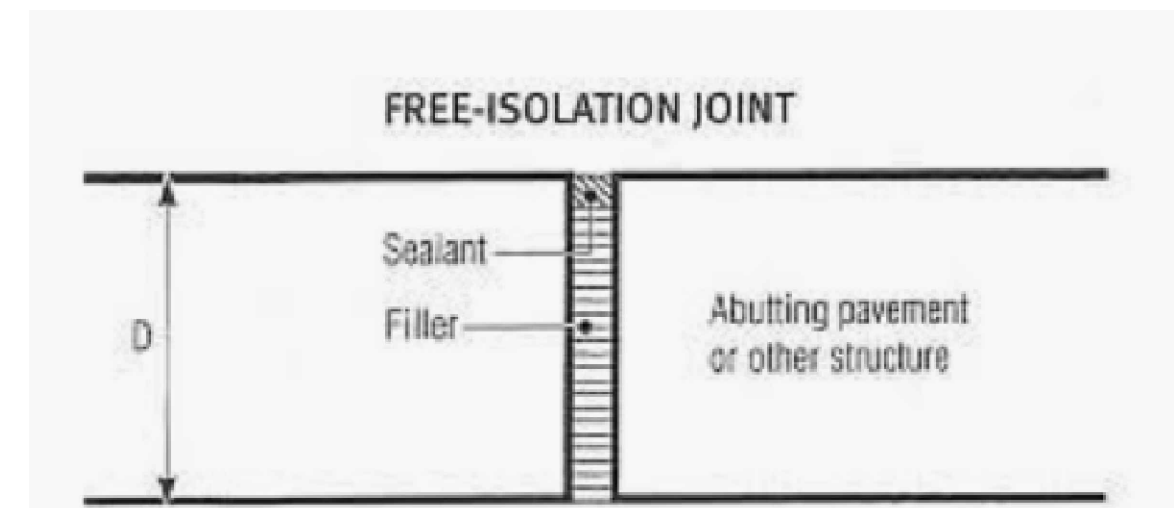
BOLLARD DETAIL
NO SCALE



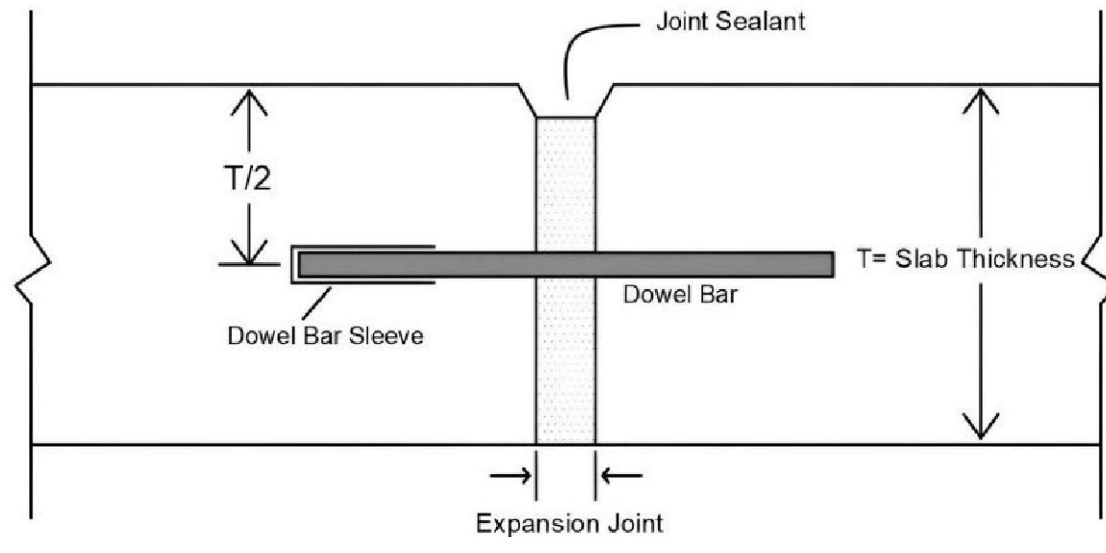
CONCRETE PAVEMENT DETAIL
NO SCALE



CONCRETE ADJACENT TO BUILDING DETAIL
NO SCALE



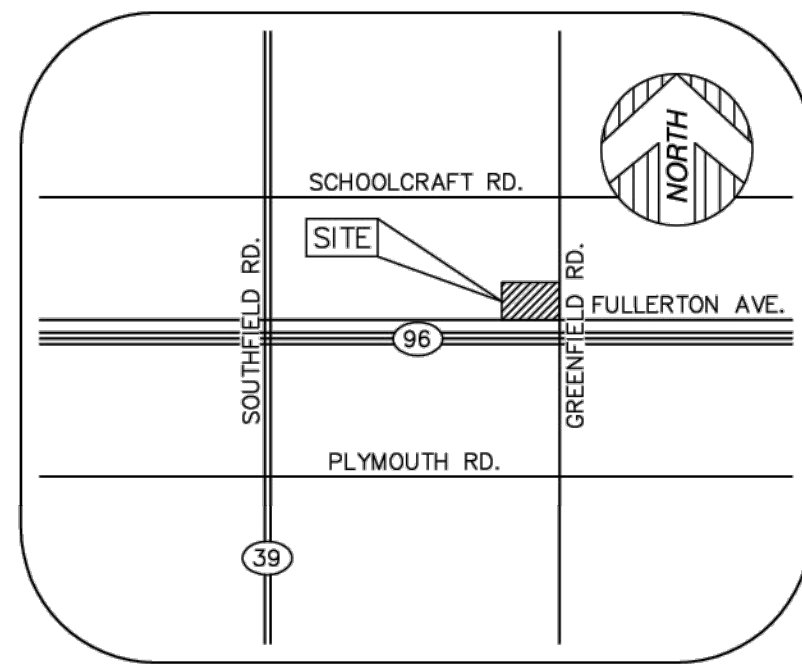
CONCRETE ISOLATION JOINT DETAIL
NO SCALE



CONCRETE EXPANSION JOINT DETAIL
NO SCALE



EXISTING CONDITIONS PLAN



VICINITY MAP
(NOT TO SCALE)

PARCEL AREA

TOTAL ROOF AREA:
62,474 SQUARE FEET
TOTAL PAVED AREA:
152,151 SQUARE FEET
TOTAL SITE AREA:
613,207 SQUARE FEET

LEGEND

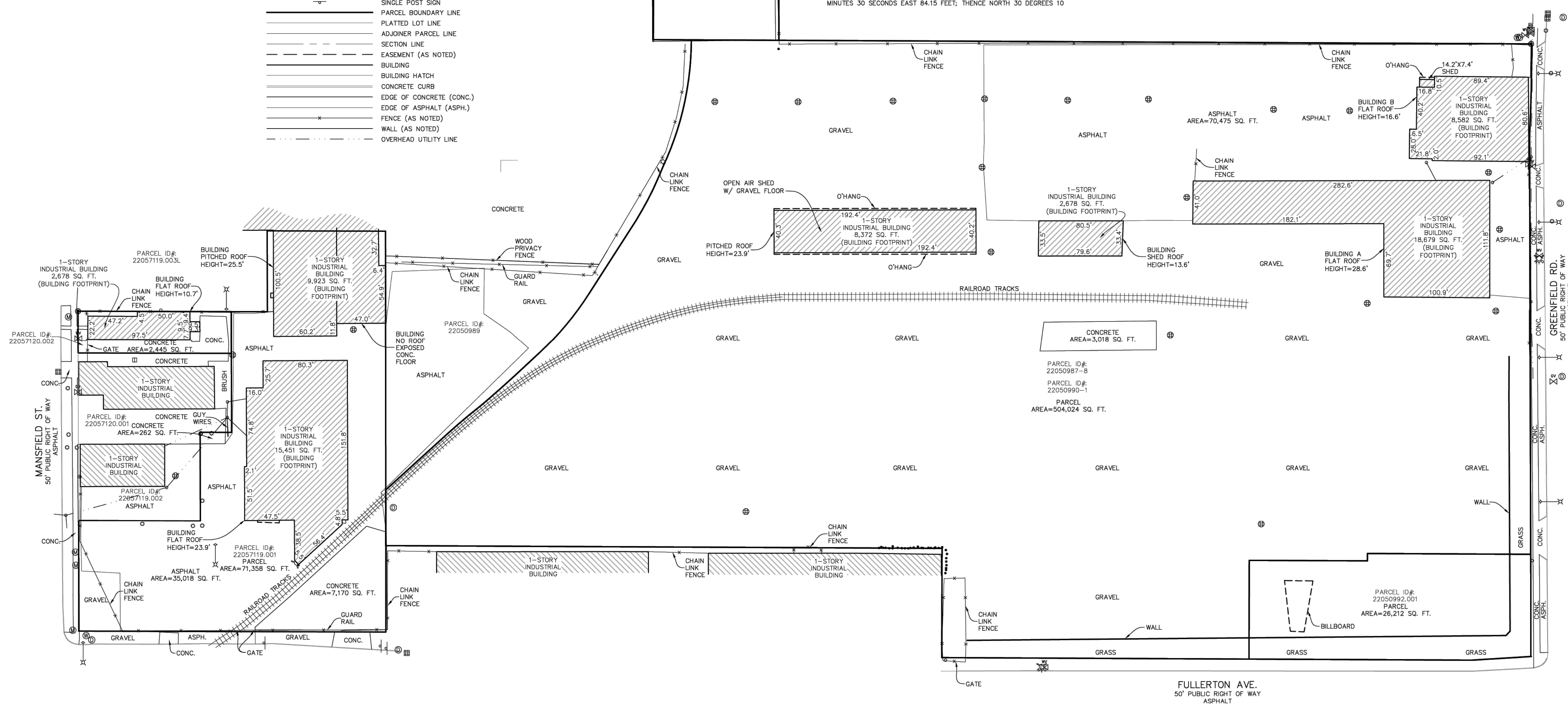
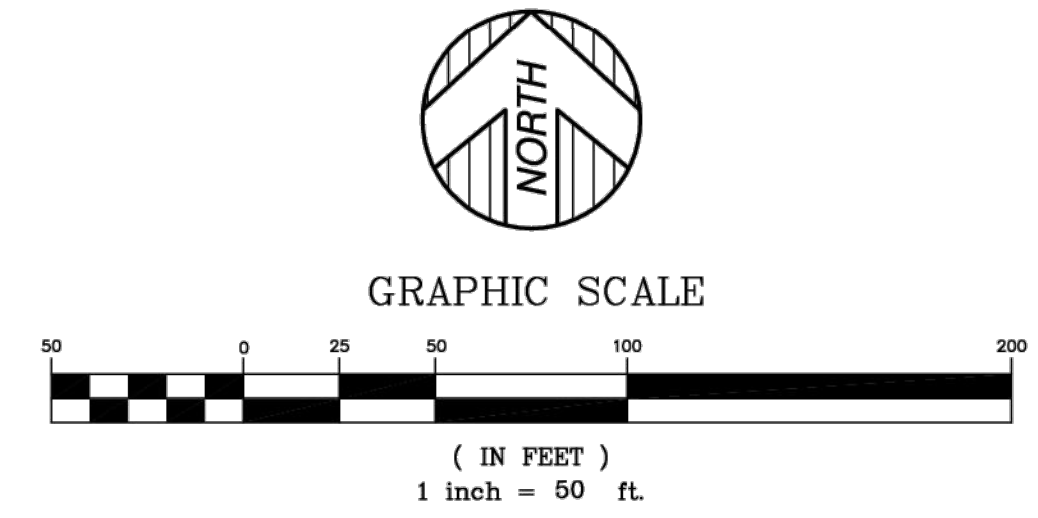
- (R&M) FOUND MONUMENT (AS NOTED)
- (R) RECORD AND MEASURED DIMENSION
- (M) RECORD DIMENSION
- (M) MEASURED DIMENSION
- UTILITY POLE
- GAS LINE MARKER
- GAS VALVE
- LIGHT POLE WITH STREET LAMP
- CLEANOUT
- ROUND CATCH BASIN
- SQUARE CATCH BASIN
- STORM DRAIN MANHOLE
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- WATER GATE MANHOLE
- WATER VALVE
- UNKNOWN MANHOLE
- AIR CONDITIONING UNIT
- LIGHTPOST/LAMP POST
- SINGLE POST SIGN
- PARCEL BOUNDARY LINE
- PLATTED LOT LINE
- ADJOINER PARCEL LINE
- SECTION LINE
- EASEMENT (AS NOTED)
- BUILDING
- BUILDING HATCH
- CONCRETE CURB
- EDGE OF CONCRETE (CONC.)
- EDGE OF ASPHALT (ASPH.)
- FENCE (AS NOTED)
- WALL (AS NOTED)
- OVERHEAD UTILITY LINE

PROPERTY DESCRIPTION

COMBINED SURVEY DESCRIPTION:

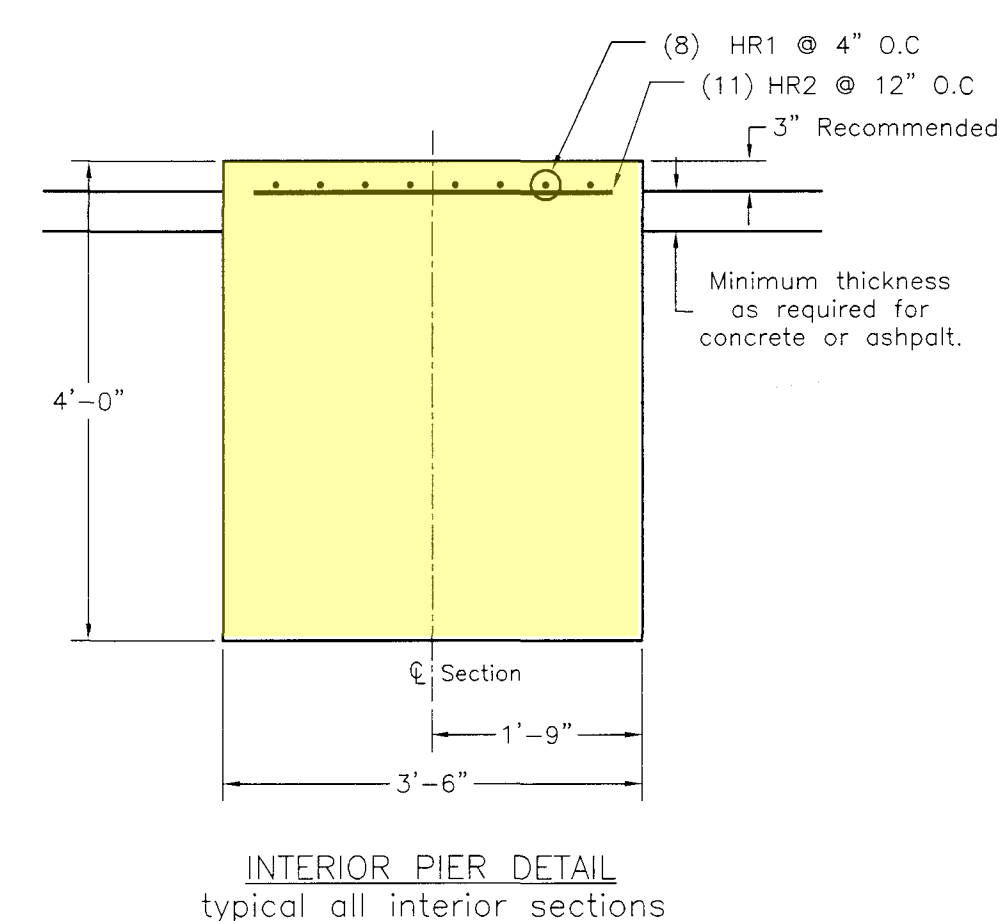
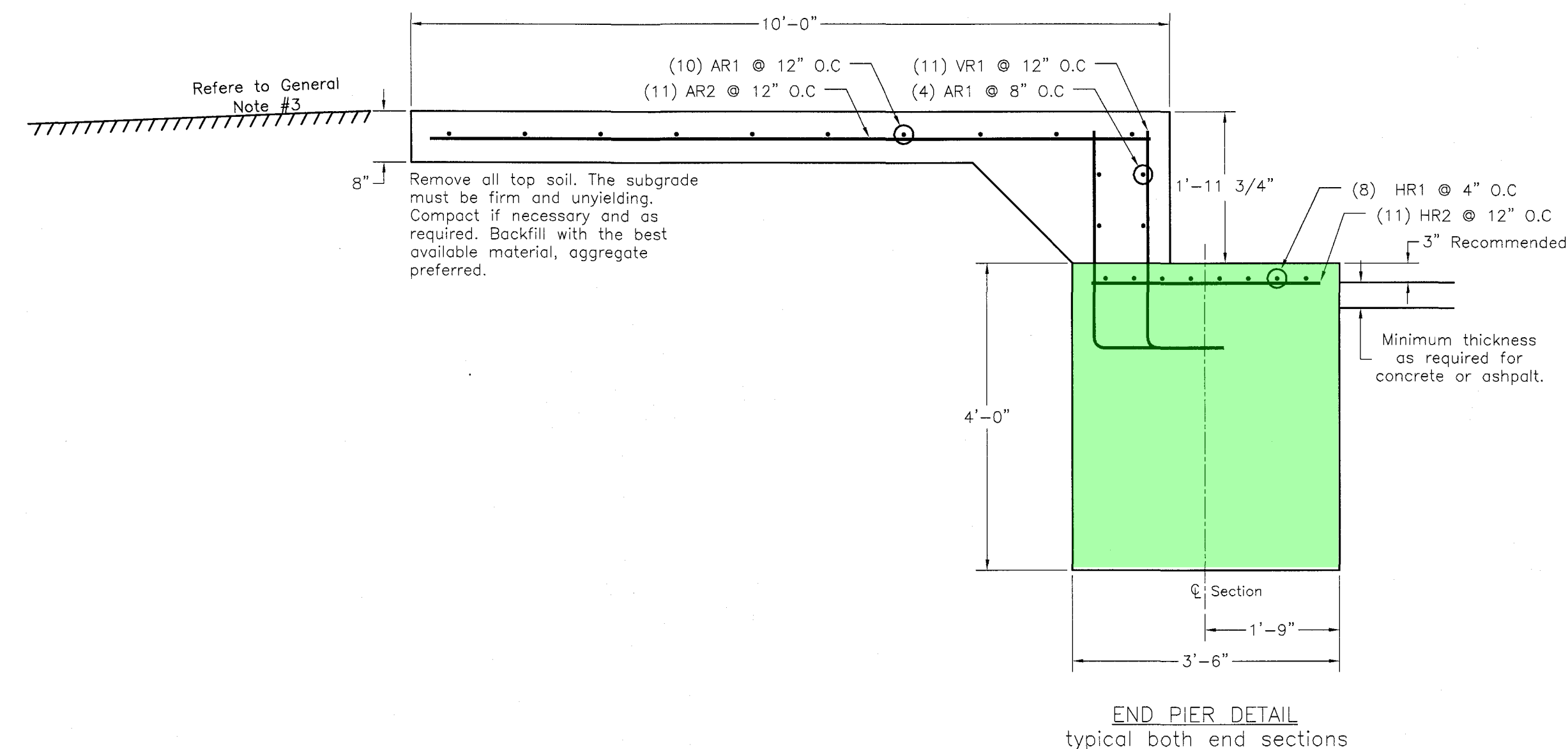
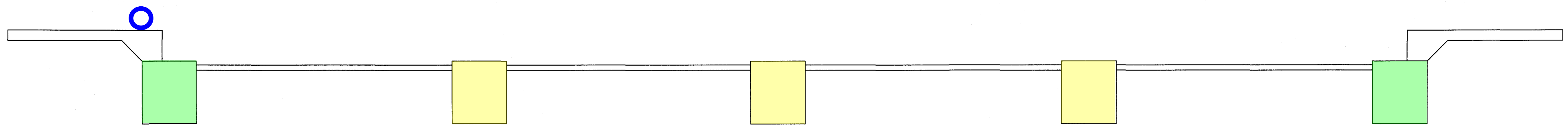
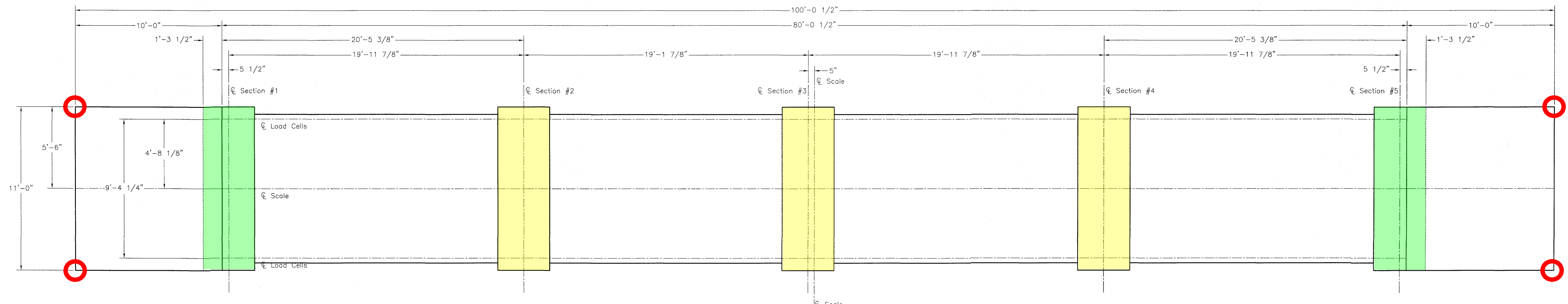
A PART OF THE NORTHEAST 1/4 OF SECTION 25, TOWN 1 SOUTH, RANGE 10 EAST, CITY OF DETROIT, WAYNE COUNTY, MICHIGAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE EAST 1/4 CORNER OF SAID SECTION 25; THENCE ALONG THE EAST LINE OF SAID SECTION NORTH 00 DEGREES 03 MINUTES 00 SECONDS WEST 188.00 FEET; THENCE NORTH 89 DEGREES 43 MINUTES 30 SECONDS WEST 207.00 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 03 MINUTES 00 SECONDS EAST 97.23 FEET TO THE SOUTH LINE OF FULLERTON AVENUE; THENCE ALONG SAID SOUTH LINE SOUTH 86 DEGREES 27 MINUTES 40 SECONDS WEST 56.70 FEET (RECORDED AS 56.12 FEET) AND NORTH 89 DEGREES 43 MINUTES 30 SECONDS WEST 504.61 FEET; THENCE NORTH 00 DEGREES 07 MINUTES 30 SECONDS EAST 104.00 FEET; THENCE NORTH 89 DEGREES 43 MINUTES 30 SECONDS WEST 53.34 FEET; THENCE NORTH 47 DEGREES 45 MINUTES 00 SECONDS EAST 80.59 FEET; THENCE NONTANGENTIALLY 39.60 FEET ALONG THE ARC OF A 514.97 FEET CIRCULAR CURVE TO THE RIGHT, SAID CURVE HAVING A CENTRAL ANGLE OF 4 DEGREES 24 MINUTES 21 SECONDS (RECORDED AS 4 DEGREES 23 MINUTES 08 SECONDS) AND A CHORD WHICH BEARS NORTH 49 DEGREES 56 MINUTES 34 SECONDS EAST 39.59 FEET; THENCE NORTH 49 DEGREES 31 MINUTES 49 SECONDS EAST 11.00 FEET; THENCE NONTANGENTIALLY 32.75 FEET ALONG THE ARC OF A 780.04 FEET RADIUS CIRCULAR CURVE TO THE LEFT, SAID CURVE HAVING A CENTRAL ANGLE OF 2 DEGREES 24 MINUTES 19 SECONDS AND A CHORD WHICH BEARS NORTH 48 DEGREES 19 MINUTES 40 SECONDS EAST 32.75 FEET; THENCE NORTH 47 DEGREES 07 MINUTES 30 SECONDS EAST 32.05 FEET; THENCE NONTANGENTIALLY 73.55 FEET ALONG THE ARC OF A 286.48 FEET RADIUS CIRCULAR CURVE TO THE LEFT, SAID CURVE HAVING A CENTRAL ANGLE OF 14 DEGREES 42 MINUTES 44 SECONDS (RECORDED AS 14 DEGREES 21 MINUTES 00 SECONDS) AND A CHORD WHICH BEARS NORTH 39 DEGREES 57 MINUTES 00 SECONDS EAST 73.36 FEET; THENCE NORTH 32 DEGREES 46 MINUTES 30 SECONDS EAST 84.15 FEET; THENCE NORTH 30 DEGREES 10

MINUTES 11 SECONDS EAST 11.00 FEET; THENCE NONTANGENTIALLY 32.75 FEET ALONG THE ARC OF A 271.07 FEET RADIUS CIRCULAR CURVE TO THE LEFT, SAID CURVE HAVING A CENTRAL ANGLE OF 6 DEGREES 55 MINUTES 19 SECONDS AND A CHORD WHICH BEARS NORTH 26 DEGREES 42 MINUTES 32 SECONDS EAST 32.74 FEET; THENCE NORTH 23 DEGREES 14 MINUTES 52 SECONDS EAST 22.14 FEET; THENCE NONTANGENTIALLY 115.57 FEET (RECORDED AS 114.77 FEET) ALONG THE ARC OF A 286.48 FEET RADIUS CIRCULAR CURVE TO THE LEFT, SAID CURVE HAVING A CENTRAL ANGLE OF 23 DEGREES 06 MINUTES 40 SECONDS AND A CHORD WHICH BEARS NORTH 11 DEGREES 41 MINUTES 32 SECONDS EAST 114.77 FEET; THENCE NORTH 89 DEGREES 43 MINUTES 30 SECONDS WEST 36.88 FEET; THENCE NORTH 00 DEGREES 03 MINUTES 49 SECONDS WEST 274.49 FEET (RECORDED AS NORTH 00 DEGREES 08 MINUTES 30 SECONDS WEST 274.69 FEET); TO THE SOUTH LINE OF GLENDALE AVENUE; THENCE ALONG SAID SOUTH LINE SOUTH 79 DEGREES 00 MINUTES 13 SECONDS EAST (RECORDED AS SOUTH 78 DEGREES 47 MINUTES 54 SECONDS EAST) 57.14 FEET; THENCE CONTINUING ALONG SAID SOUTH LINE SOUTH 89 DEGREES 49 MINUTES 25 SECONDS EAST (RECORDED AS SOUTH 89 DEGREES 37 MINUTES 06 SECONDS EAST) 64.03 FEET; THENCE SOUTH 00 DEGREES 03 MINUTES 49 SECONDS EAST 263.97 FEET (RECORDED AS SOUTH 00 DEGREES 08 MINUTES 30 SECONDS EAST 264.05 FEET); THENCE SOUTH 89 DEGREES 43 MINUTES 30 SECONDS EAST 717.25 FEET TO THE WEST LINE OF THE GREENFIELD AVENUE SERVICE DRIVE; THENCE ALONG SAID WEST LINE NONTANGENTIALLY 87.59 FEET ALONG THE ARC OF A 1715.17 FEET RADIUS CIRCULAR CURVE TO THE LEFT, SAID CURVE HAVING A CENTRAL ANGLE OF 2 DEGREES 55 MINUTES 34 SECONDS AND A CHORD WHICH BEARS SOUTH 01 DEGREES 18 MINUTES 14 SECONDS WEST 87.57 FEET; THENCE SOUTH 00 DEGREES 09 MINUTES 13 SECONDS EAST 399.01 FEET (RECORDED AS 399.06 FEET) TO THE POINT OF BEGINNING.



KEM-TEC & ASSOCIATES
PROFESSIONAL SURVEYORS - PROFESSIONAL ENGINEERS
22536 GRATIOT AVE • EASTPOINTE, MICHIGAN 48021
(586)772-2222 • (800)295-7222 • FAX (586)772-4048

PREPARED FOR: RED CAP TRANSPORT
DATE: FEBRUARY 23, 2016 JOB #: 16-00304
SCALE: 1" = 50' SHEET: 1 OF 1
DRW. BY: JDM REV.: FEBRUARY 24, 2016



FOUNDATION REINFORCING SCHEDULE					
ASTM 615 - GRADE 60					
MARK	QTY	SIZE	LENGTH	BENDING	WEIGHT (LBS)
VR1	44	#4	3'-8"	2'-8" 11'-0"	108
HR1	40	#5	10'-6"	10'-6"	438
HR2	55	#4	3'-0"	3'-0"	110
APPROACH REBAR					
AR1	28	#4	10'-6"	10'-6"	196
AR2	22	#4	9'-6"	9'-6"	140
Total Weight:					992

- GENERAL NOTES**
- Foundation shown is designed for soils with a minimum bearing capacity of 3000 psf and adequate drainage. If soil conditions do not meet these requirements, adjust foundation or soil as required.
 - In areas of the country where there is severe freezing, increase the depth of the foundation so that the bottom extends below the frost line, or provide a minimum of 12" free draining granular material to prevent frost heave.
 - N.I.S.T. H-44 requires that on the entrance and exit ends of a vehicle scale, there shall be a straight approach that is:
 - At least the width of the platform.
 - The length of at least one-half the length of the platform but not required to be more than 40ft, and
 - Not less than 10ft of any approach adjacent to the platform shall be constructed of concrete or similar durable material to ensure that this portion remains smooth and level and in the same plane as the platform. Any slope in the remaining portion of the approach shall ensure ease of vehicle access, ease for testing purposes, and drainage away from the scale.
 - N.I.S.T. H-44 requirements and local weights and measures regulations may require installation parameters somewhat different than illustrated on this plan. In order to insure compliance, consult the local Fairbanks service office prior to installation.
 - Refer to manual for all installation and operation instructions.
 - Fairbanks does not recommend using foundation or ground installed guide rails along the sides of the truck scale platform. Damage may occur to the scale if the vehicle hits the guide rail, transferring damaging forces to the platform and the checking system. Usage of this style guide rail will void the product warranty. If guide rails are necessary, please use Fairbanks accessory rub rails.
 - A minimum of 24" of clearance is required on both sides of the scale in order to access load cells, electronics, and checking hardware.

- REINFORCING STEEL NOTES**
- Reinforcing steel are to be ASTM 615, Grade 60 or equal. Bend bars cold to conform with required details. Rebar shall be free of oil, mud, debris, cement grout, loose rust, grease and oil that would impair bonding. Space bars properly and tie securely in position before pouring concrete. Tack welding of bars is prohibited.
 - Rebar cover:
 - Concrete cast against earth: 3"
 - Formed concrete exposed to earth or weather: 2"
 - Cover at termination end of rebar: 3"

- GROUNDING AND ELECTRICAL NOTES:**
- Install (2) 3/4" x 8'-0" long ground rods to project 4" above the surface. Two ground rods are supplied with scale.
 - One for grounding Intaloxig Power Supply. Position the ground rod to match the chosen location for the PPS. The PPS may be located at any interior section, and on either side of the scale.
 - One for grounding scale weighbridge. Place within 3ft of scale, at any convenient location. The power supply ground must be separate from weighbridge ground.
 - Install minimum 1 1/2" conduit for cable from junction box to scale house. Conduit to extend 2" above the surface (not supplied by Fairbanks Scales). Position near PPS.
 - If alternating current (AC) is required near the scale, it shall not run closer than 36" in parallel with any load cell or other signal carrying cable.

STAKING LEGEND:

○ = Stake outside corner of "level" approaches (4 locations)

● = Provide benchmark for elevation for top of concrete @ "level" approaches

ADVANCED CONCRETE USA, INC.

SURVEY/STAKING REQUEST FOR TRUCK SCALE FOUNDATION WORK

JULY 1, 2024

Pg. 1 of 1

FAIRBANKS CERTIFIED

REG. NO. 1224041

CUST. Calo & Sons Construction

DATE. 25 January 2019

THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF FAIRBANKS SCALES, INC. NO USE, COPY, REPRODUCTION, OR TRANSMISSION WITHOUT WRITTEN PERMISSION OF FAIRBANKS SCALES, INC. IS PERMITTED.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS FOLLOWS: ANGLES 21° ± 1/2° 2-FRACE DECIMAL 0.0100 2-FRACE DECIMAL 0.0100 2-FRACE DECIMAL 0.0100 2-FRACE DECIMAL 0.0100

SCALE: NTS DRAWN: JMM CHECKED: [Signature]

SHEET: 1 OF 1 DATE: 06/11/18 APPROVED: [Signature]

DRAWING NUMBER: D-A171080-AP48-R4

MODEL: PLT-6010-100-A10-080

80' x 10' Tolon HX Field Four Undermount 100,000lb CLC, 150ton Capacity With Optional 4in Risers

EXHIBIT E

OF

CONSENT AGREEMENT

May 8, 2023

Alternative Compliance Operating Plan & Fugitive Dust Control Operational Plan

Prepared In Support of a *Certificate of Alternative Compliance* for the City
of Detroit Bulk Solid Materials Storage Application on behalf of:

Greenfield Supply Center, LLC

12625 Greenfield Road, Detroit, MI 48227

Prepared By:



7901 Sylvania Avenue
Sylvania, Ohio 43560
Local 419-841-3232
Fax 419-882-8772

www.NRMsolution.com

Table of Contents

List of Appendices	2
1 Introduction	3
2 Approved State Operating Plan {Section 42-2-155(a)(1)-(2)}	3
3 Facility Map {Section 42-2-155(a)(3)(a)}	3
4 Description of Facility Operations {Section 42-2-155(a)(3)(b)}	4
5 Fugitive Dust Control Measures {Section 42-2-155(a)(3)(c)}	4
5.1 Stockpiling and Material Transfers	5
5.2 Material Processing and Conveying	5
5.3 Traffic Management	5
5.4 Cleaning and Sweeping	5
5.5 Dust Suppression	5
5.6 Employee Training	6
5.7 Routine Inspections	6
5.8 Sedimentation and Erosion Control	6
6 Recordkeeping {Sec. 42-2-155(a)(3)(d)}	6
7 Setback and Screening Requirements {Sec. 42-2-155(a)(3)(e)}	7
8 Height Limits {Sec. 42-5-6(a)(3)(f)}	7
9 High Wind Conditions {Sec. 42-2-155(a)(3)(h)}	7

List of Appendices

Appendix A: MDEQ Permit to Operate #48-18 and #13-16

Appendix B: State Approved Operational Plan

Appendix C: Sample Facility Inspection Form

Appendix D: Site Plans

1 Introduction

This operational plan has fugitive dust control has been developed and implemented for the Greenfield Supply Center, LLC facility located at 12625 Greenfield Road, Detroit MI 48227. The facility was issued Michigan Department of Environmental Quality Permit to Operate No. 48-18 on April 30, 2018 (Appendix A). This plant was relocated and a like plant with an active permit, No. 13-16, was moved to the facility on November 10, 2021. This plant is equivalent in setup and processing amount; one crusher, one screen, and six conveyors (Appendix A). These plants are subject to relocation from time to time and are further discussed in Section 5.2 of this plan. The purpose of this plan is to describe the methods and tools used to control fugitive dust emissions in accordance with the requirements of Detroit City Code Chapter 42, Article II, Division 5, Subdivision B, *Bulk Solid Materials* (previously Chapter 22, Article V). More specifically, the contents of this operational plan will demonstrate the facility's compliance with Section 42-2-155 (previously Section 22-5-6), Alternative Compliance for Qualified Solid Bulk Materials of the Detroit City Code. The facility location is shown in Figure 1 of Appendix B and a copy the approved Site Plans dated 2019 are presented in Appendix D. Site plans will be updated as they are provided.

2 Approved State Operating Plan {Section 42-2-155(a)(1)-(2)}

In accordance with Detroit Code Section 42-2-155(a)(1)-(2) (previously 22-5-6(a)(i)-(ii)), Greenfield Supply Center, LLC had developed and implemented a state operating plan in pursuant to Section 5524 of the Natural Resources and Environmental Protection Act, MCL 324.5524, and Michigan Air Quality administrative rules R 336.1371 and 336.1372. The state operating plan was approved by the Michigan Department of Environmental Quality (MDEQ) on April 30, 2018 as part of a permit-to-install application submitted by the Facility. A copy of the approved state operating plan is incorporated into this operating plan as Appendix A. The state operating plan does not expire and has not been amended since its approval.

3 Facility Map {Section 42-2-155(a)(3)(a)}

The Greenfield Supply Center, LLC facility is located in M4 (Intensive Industrial) zoning and sits at the corner of Greenfield Road and Fullerton Avenue. The Operational Plan contains the figure showing the location of the Facility and its surroundings including roadway and transportation corridors within 0.25 miles of the facility used to transport materials to/from the property in accordance with Detroit City Ordinance Section 42-2-155(a)(3)(a) (previously 22-5-6(a)(iii)(A)).

The Facility comprises of two 1 story industrial buildings, one billboard, railroad tracks, material crushing and processing plant, construction aggregate and topsoil stockpiles, truck scale, and two sets of metal rumble strips placed before and after the truck scale. Approximately 1.6 acres of the northeastern portion of the property and the truck route at the facility will be paved. The remaining portions of the property

is unpaved. The Existing Conditions Plan shows these items in greater detail along with the following information in accordance with Detroit City Ordinance Section 42-2-155(a)(3)(a) (previously 22-5-6(a)(iii)(A)) and can be seen on the Site Plans in Appendix D:

- Buildings
- On site utilities
- Storm drains and storm water outfalls
- Potential fugitive dust emission points including the location of construction aggregated storage piles

4 Description of Facility Operations {Section 42-2-155(a)(3)(b)}

The primary industrial activity at this site is the importing and recycling/crushing of concrete into usable construction aggregate. Concrete is brought onto the site by railroad and truck and stockpiled using front-end loaders, or similar equipment. Front-end loaders are used to load concrete into a portable crushing and screening plant. The finished crushed concrete products are stockpiled by conveyor stackers and moved to additional stockpile areas by front-end loaders as needed. A retail landscaping store, Greenfield Supply Center, is located on the northeast side of the property and is open to the public. Trucks entering and exiting the facility are required to drive on the two sets of metal rumble strips located on both sides of the truck scale.

The Greenfield Supply Center, LLC will operate five (5) days a week (from Monday through Friday) during the hours of 7:00am and 7:00pm and one (1) day a week (Saturday) from 7:00am to 2:00pm.

5 Fugitive Dust Control Measures {Section 42-2-155(a)(3)(c)}

Fugitive dust may be generated from the construction aggregate storage and handling activities at the facility. Operational and structural controls will be used at Greenfield Supply Center, LLC facility to minimize the amount of fugitive dust generated on site and to prevent fugitive dust emissions exceeding 5% opacity from the onsite roads, lots and storage piles, or exceeding 20% opacity from other sources in accordance with MCL 324.5524(2). Greenfield Supply Center, LLC will be paving the complete interior trucking route from the apron of the facility entrance which will include the scale, truck loading and unloading areas. Greenfield Supply Center, LLC will be installing an additional set of metal rumble strips in front of the truck scale. Rumble strips, also known as shaker racks, exit grids, etc. remove material from the truck tires prior to leaving the facility. The rumble strips create a bouncing and shaking action to dislodge mud, soils, or any stones accumulated while at the facility. To further assist with fugitive dust control, Greenfield Supply Center, LLC will install a municipal water service. This connection to municipal water will increase our ability to access water needed for dust suppression. Additional fugitive dust control measures are discussed in the following sections, and in the state operating plan in Appendix A.

5.1 Stockpiling and Material Transfers

A potential from fugitive dust creation exists during stockpiling of concrete, crushed concrete or other recyclable construction aggregates from trucks or other construction equipment (front end loaders, excavators, etc) and during loading of concrete, crushed concrete or construction aggregate into trucks. To minimize dust, the drop height during stockpiling and truck loading is maintained at a minimum. Water sprays are also used as needed to control fugitive dust emissions. Truck drivers are required to drive on the paved interior roads and over the two sets of metal rumble strips, and tarp loads before leaving the facility to control fugitive dust emissions during transport.

5.2 Material Processing and Conveying

Typically, recyclable construction aggregate, concrete, asphaltic concrete, rock, stone or block is delivered to the Greenfield Supply Center, LLC facility by truck and dumped on the ground in an unloading area. These materials can be loaded onto and off the railroad spur utilizing a conveyor system. Material stored in the unloading area is then transferred via front end loader, or similar piece of construction equipment, to the on-site portable crushing/recycling plant. Truck unloading and construction equipment unloading heights will be kept to a minimum to control fugitive dust emissions. Recyclable construction aggregate will be sprayed down by water as necessary to reduce fugitive dust before being unloaded into the portable crushing/recycling plant. The crushing/recycling plant itself has a series of water spray nozzles to suppress fugitive dust as needed. Stacking conveyors and transfer points on the crushing/recycling plant will be setup to reduce the drop height to the maximum extent practicable to control fugitive dust. As stated in Section 1 of this plan, the material processing plant is subject to relocation from time to time (Permits #13-16 and #48-18). Copies of the relocation notices will be kept at the facility.

5.3 Traffic Management

Construction equipment and truck speeds on site will be restricted to 8 miles per hour (mph), except during high wind conditions, when all construction equipment and truck speeds will be limited to 5mph. As stated above, all truck loading and unloading will be conducted on the installed interior paved truck roads. Refer Section 9 of this operating plan for additional information on operations during high wind conditions.

5.4 Cleaning and Sweeping

Greenfield Supply Center, LLC will clean and sweep the on-site paved roadways and paved parking areas to minimize aggregate material accumulation on these surfaces as needed but no less than twice a day. The exterior streets within ¼ mile (and their adjacent walkways) will be clean and sweep at least twice a day. Greenfield Road will be swept as needed by Greenfield Supply Center, LLC, as needed but no less than twice a day. As stated in Section 5 of this plan, the truck route at the facility will be paved along with installing an additional metal rumble strip. Rumble strips, also known as shaker racks, exit grids, etc. remove material from the truck tires prior to leaving the facility. The rumble strips create a bouncing and shaking action to dislodge mud, soils, or any stones accumulated while at the facility. As stated in Section Records of cleaning and sweeping will be maintained as described in Section 6 of this operational plan. Unpaved surfaces, paved roads, rumble strips, and parking areas will be watered, as needed, to reduce fugitive dust emissions as described in Section 5.5 of this operational plan.

5.5 Dust Suppression

Water, calcium chloride or another acceptable chemical dust suppressant may be applied to paved and unpaved portions of the Greenfield Supply Center, LLC facility at the owner/operator's discretion to

minimize fugitive dust generated from equipment and vehicles travelling on the facility property. No wastewater or recycled oils will be used for fugitive dust control at the facility. Two stormwater holding ponds are located on the west side of the site. These holding ponds along with the installation of municipal water service are used for fugitive dust control. The facility maintains records of water and dust suppressant applications as described in Section 6 of this operational plan.

5.6 Employee Training

Facility employees receive annual environmental and training covering the topics of storm water management, spill prevention, response and reporting, and fugitive dust control. This training includes discussion of the use and maintenance of the control measures discussed in this operational plan.

5.7 Routine Inspections

During operating days, a routine inspection of the facility is completed by an on-site employee or manager. During these inspections, construction aggregate stockpiles, unpaved on-site roads and Greenfield Road, and rumble strips are inspected for the presence of fugitive dust. Corrective actions in the form of additional sweeping and applications of dust suppressant will be implemented whenever dust issues are noted during daily inspections. A sample inspection report form is provided in Appendix C. Records of the daily inspections, sweeper and dust logs are maintained as described in Section 6.

Visual fugitive dust and opacity tests are conducted on a quarterly basis by a certified NRM employee. The opacity is determined by reference test Method 9d, as defined in Section 5525(j) of the Michigan Natural Resources and Environmental Protection Act. Copies of these reports are kept on site and are available for review.

5.8 Sedimentation and Erosion Control

Sediments from construction aggregate stockpiles have the potential to migrate via sheet flow to on-site catch basins and storm drains. The catch basins located near the crushing/recycling plant and the construction aggregate stockpiles are sealed to prevent any sediment from entering the catch basins. Additional information regarding storm water pollution prevention is discussed in the Facility's Storm Water Pollution Prevention Plan.

6 Recordkeeping {Sec. 42-2-155(a)(3)(d)}

In accordance with Detroit City Ordinance Section 42-2-155(a)(3)(d) (previously 22-5-6(D)), the facility will maintain records of road cleaning, dust suppressant application, road and stockpile watering, facility inspections, laser rangefinder maintenance and calibration, and employee training for at least 3 years (5 years for records required by the Michigan Department of Environmental Quality). These records are maintained electronically in the Greenfield Supply Center, LLC database and/or at the facility.

7 Setback and Screening Requirements {Sec. 42-2-155(a)(3)(e)}

The facility property is zoned M4 – intensive industrial, by the City of Detroit. The site is surrounded by other M-4 zoned properties. No front, rear, or side setbacks or stockpile screening are required in accordance with Detroit Zoning Ordinance Section 50-13-85. However, setbacks are noted in the site plan C100 of Appendix D as 20-feet from the road right of way and 150-feet from residentially zoned areas. These setbacks were presented in the Site Plan set for the Conditional Use Permit.

8 Height Limits {Sec. 42-5-6(a)(3)(f)}

After new stockpiles are placed on site, a Laser Technology, Inc. TruPulse 200 laser range finder or equivalent device, is used to confirm that the vertical height of every new stockpile is less than 50ft. The rangefinder is maintained and calibrated in accordance with manufacturer specifications by Greenfield Supply Center, LLC and height measurements are recorded and kept at the facility.

9 High Wind Conditions {Sec. 42-2-155(a)(3)(h)}

Site management will monitor wind conditions through publicly available weather information. When high wind conditions are forecasted, the following actions will be taken:

- Facility speed limits will be reduced to 5 miles per hour.
- Additional inspections of stockpiles, paved roads and unpaved roads shall be conducted to evaluate the need for additional sweeping and/or water treatment.
- Traffic and material handling and processing operations shall be limited to essential activities.

APPENDIX A



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



C. HEIDI GREYER
DIRECTOR

April 30, 2018

Mr. Tony Calo, President
Greenfield Supply Center, LLC
P.O. Box 530563
Livonia, Michigan 48153

Dear Mr. Calo:

This letter is in reference to your Permit to Install application for a portable crushing plant (State Registration Number P0358) located at 12625 Greenfield Road, Detroit, Michigan. This application, identified as No. 48-18, has been evaluated and approved by the Air Quality Division, pursuant to the delegation of authority from the Michigan Department of Environmental Quality (DEQ).

This approval is based upon and subject to compliance with all administrative rules promulgated pursuant to Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and conditions stipulated in the enclosed supplement. Please review these conditions thoroughly so that you may take the actions necessary to ensure compliance with all of these conditions.

To help us improve the service we provide our customers, we encourage you to complete a *Permit to Install Customer Service Survey* on the following Web page:

<https://www.surveymonkey.com/s/aqdptics>

Please contact me if you have any questions regarding this permit.

Sincerely,

Nicholas Carlson, Environmental Engineer
General Manufacturing/Chemical Process Unit
Permit Section, Air Quality Division
517-284-6738
CarlsonN1@michigan.gov

Enclosures

cc/enc: Mr. Chip Tokar, NRM
Ms. Wilhelmina McLemore, DEQ



PERMIT TO INSTALL APPLICATION

For authority to install, construct, reconstruct, relocate, or modify process, fuel-burning or refuse burning equipment and/or control equipment. Permits to install are required by administrative rules pursuant to Section 5505 of 1994 PA 451, as

FOR DEQ USE
APPLICATION NUMBER
48-18

Please type or print clearly. The "Application Instructions" and "Information Required for an Administratively Complete Permit to Install Application" are available on the Air Quality Division (AQD) Permit Web Page at <http://www.deq.state.mi.us/aps>. Please call the AQD at 517-284-6804 if you have not been contacted within 15 days of your application submittal.

1. FACILITY CODES: State Registration Number (SRN) and North American Industry Classification System (NAICS)			
SRN	P 0 3 5 8	NAICS	2 1 1 3 1 9
2. APPLICANT NAME: (Business License Name of Corporation, Partnership, Individual Owner, Government Agency) Kraken Crushed Concrete & Recycling, LLC; d.b.a. Greenfield Supply Center, LLC			
3. APPLICANT ADDRESS: (Number and Street) P.O. Box 530563			MAIL CODE:
CITY: (City, Village or Township) Livonia	STATE: MI	ZIP CODE: 48153	COUNTY: Wayne
4. EQUIPMENT OR PROCESS LOCATION: (Number and Street - if different than Item 3) 12625 Greenfield Road			
CITY: (City, Village or Township) Detroit		ZIP CODE: 48227	COUNTY: Wayne
5. GENERAL NATURE OF BUSINESS: Concrete Crushing and Recycling			
6. EQUIPMENT OR PROCESS DESCRIPTION: (A Description MUST Be Provided Here. Include Emission Unit IDs. Attach additional sheets if necessary; number and date each page of the submittal.) Kraken Crushed Concrete & Recycling will be moving their portable crushing plant onto the property for a crushing job. Concrete will be crushed down to into a usable recycled product that will be stored on site in stockpiles. The jaw crusher will be fed by a loader, or similar piece of equipment. Crushed concrete will then travel along conveyors to the Screener, which will sperate the material into different products or send larger pieces of concrete back to the jaw crusher via a return conveyor. Finished products will be stored in stockpiles created from stacking discharge conveyors running from the screener. This application is being submitted as a part of a site-specific permit application, along with general permit application forms. The estimated date the crusher will be removed from the site is:			
7. REASON FOR APPLICATION: (Check all that apply.) <input checked="" type="checkbox"/> INSTALLATION / CONSTRUCTION OF NEW EQUIPMENT OR PROCESS <input type="checkbox"/> RECONSTRUCTION / MODIFICATION / RELOCATION OF EXISTING EQUIPMENT OR PROCESS - DATE INSTALLED: <input type="checkbox"/> OTHER - DESCRIBE			
8. IF THE EQUIPMENT OR PROCESS THAT WILL BE COVERED BY THIS PERMIT TO INSTALL (PTI) IS CURRENTLY COVERED BY ANY ACTIVE PERMITS, LIST THE PTI NUMBER(S):			
9. DOES THIS FACILITY HAVE AN EXISTING RENEWABLE OPERATING PERMIT (ROP)? <input checked="" type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> PENDING APPLICATION <input type="checkbox"/> YES PENDING APPLICATION OR ROP NUMBER:			
10. AUTHORIZED EMPLOYEE: Tony Calo		TITLE: President	PHONE NUMBER: (Include Area Code) 248-468-9203
SIGNATURE: 		DATE: 3-16-18	E-MAIL ADDRESS:
11. CONTACT: (If different than Authorized Employee. The person to contact with questions regarding this application) Chip Tokar			PHONE NUMBER: (Include Area Code) 419-841-3232
CONTACT AFFILIATION: Consultant		E-MAIL ADDRESS: ctokar@nrmsolution.com	
12. IS THE CONTACT PERSON AUTHORIZED TO NEGOTIATE THE TERMS AND CONDITIONS OF THE PERMIT TO INSTALL? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
FOR DEQ USE ONLY - DO NOT WRITE BELOW			
DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: 4/17/18			
DATE PERMIT TO INSTALL APPROVED: 4/25/18		SIGNATURE:	
DATE APPLICATION / PTI VOIDED:		SIGNATURE:	
DATE APPLICATION DENIED:		SIGNATURE:	
A PERMIT CERTIFICATE WILL BE ISSUED UPON APPROVAL OF A PERMIT TO INSTALL			

RECEIVED

MAR 21 2018

AIR QUALITY DIV.

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION**

April 25, 2018

**PERMIT TO INSTALL
48-18**

**ISSUED TO
Greenfield Supply Center, LLC**

**LOCATED AT
12625 Greenfield Road
Detroit, Michigan**

**IN THE COUNTY OF
Wayne**

**STATE REGISTRATION NUMBER
P0358**

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

April 17, 2018

DATE PERMIT TO INSTALL APPROVED:

April 25, 2018

SIGNATURE:



DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

PERMIT TO INSTALL

Table of Contents

Section	Page
Alphabetical Listing of Common Abbreviations / Acronyms.....	2
General Conditions.....	3
Special Conditions.....	5
Emission Unit Summary Table.....	5
Flexible Group Summary Table.....	5
Special Conditions for FGCRUSHING	6
Appendix A: Nuisance Minimization Plan for Fugitive Dust	9

Common Abbreviations / Acronyms

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO ₂ e	Carbon Dioxide Equivalent
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot
COM	Continuous Opacity Monitoring	dscm	Dry standard cubic meter
Department/ department	Michigan Department of Environmental Quality	°F	Degrees Fahrenheit
EU	Emission Unit	gr	Grains
FG	Flexible Group	HAP	Hazardous Air Pollutant
GACS	Gallons of Applied Coating Solids	Hg	Mercury
GC	General Condition	hr	Hour
GHGs	Greenhouse Gases	HP	Horsepower
HVLP	High Volume Low Pressure*	H ₂ S	Hydrogen Sulfide
ID	Identification	kW	Kilowatt
IRSL	Initial Risk Screening Level	lb	Pound
ITSL	Initial Threshold Screening Level	m	Meter
LAER	Lowest Achievable Emission Rate	mg	Milligram
MACT	Maximum Achievable Control Technology	mm	Millimeter
MAERS	Michigan Air Emissions Reporting System	MM	Million
MAP	Malfunction Abatement Plan	MW	Megawatts
MDEQ	Michigan Department of Environmental Quality	NMOC	Non-methane Organic Compounds
MSDS	Material Safety Data Sheet	NO _x	Oxides of Nitrogen
NA	Not Applicable	ng	Nanogram
NAAQS	National Ambient Air Quality Standards	PM	Particulate Matter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM10	Particulate Matter equal to or less than 10 microns in diameter
NSPS	New Source Performance Standards	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSR	New Source Review	pph	Pounds per hour
PS	Performance Specification	ppm	Parts per million
PSD	Prevention of Significant Deterioration	ppmv	Parts per million by volume
PTE	Permanent Total Enclosure	ppmw	Parts per million by weight
PTI	Permit to Install	psia	Pounds per square inch absolute
RACT	Reasonable Available Control Technology	psig	Pounds per square inch gauge
ROP	Renewable Operating Permit	scf	Standard cubic feet
SC	Special Condition	sec	Seconds
SCR	Selective Catalytic Reduction	SO ₂	Sulfur Dioxide
SNCR	Selective Non-Catalytic Reduction	TAC	Toxic Air Contaminant
SRN	State Registration Number	Temp	Temperature
TEQ	Toxicity Equivalence Quotient	THC	Total Hydrocarbons
USEPA/EPA	United States Environmental Protection Agency	tpy	Tons per year
VE	Visible Emissions	µg	Microgram
		µm	Micrometer or Micron
		VOC	Volatile Organic Compounds
		yr	Year

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
 - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
 - b) A visible emission limit specified by an applicable federal new source performance standard.
 - c) A visible emission limit specified as a condition of this Permit to Install.

12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUPROCESS	A combination of process equipment (screens, crushers, feeders, conveyors, etc.) at 12625 Greenfield Road, Detroit, Michigan, used to reduce larger materials down to smaller sizes, classify and sort materials into various product types, material handling and transporting of material to storage areas. Control methods include equipment enclosures or enclosed within a building, water sprays, drop chutes and/or pant legs for transfer points.	FGCRUSHING	EUPROCESS
EUTRUCKTRAFFIC	Truck traffic for delivery of material products to customers; truck traffic from quarry pit to processing area and loader traffic associated with processing equipment, storage pile handling and loading delivery trucks. All commercial truck areas and unpaved road portions from the quarry pit to the process area.	FGCRUSHING	EUTRUCKTRAFFIC
EUSTORAGE	Open area stock piles of various material sizes and product types. Water spray of material products are used when necessary for material storage piles.	FGCRUSHING	EUSTORAGE

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.

FLEXIBLE GROUP SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGCRUSHING	A nonmetallic mineral crushing facility located at 12625 Greenfield Road, Detroit, Michigan, consisting of crusher(s) and associated process equipment including grinding mills, drills, screening operations, bucket elevators, belt conveyors, loading and bagging operations, storage bins, enclosed truck or railcar loading stations and any other material handling equipment operated at the site. Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may alternatively be installed in lieu of water spray for any particular piece of equipment. Operation of the control equipment is required only when necessary to meet applicable emission limits.	EUPROCESS, EUTRUCKTRAFFIC, EUSTORAGE

The following conditions apply to: FGCRUSHING

DESCRIPTION: A nonmetallic mineral crushing facility located at 12625 Greenfield Road, Detroit, Michigan, consisting of crusher(s) and associated process equipment including grinding mills, drills, screening operations, bucket elevators, belt conveyors, loading and bagging operations, storage bins, enclosed truck or railcar loading stations and any other material handling equipment operated at the site. Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may alternatively be installed in lieu of water spray for any particular piece of equipment. Operation of the control equipment is required only when necessary to meet applicable emission limits.

Emission Units: EUPROCESS, EUTRUCKTRAFFIC, EUSTORAGE

POLLUTION CONTROL EQUIPMENT: Water Sprays

I. EMISSION LIMITS

1. Visible emissions from FGCRUSHING shall not exceed the limits in the following table: (R 336.1301, 40 CFR 52.21 (c) & (d), 40 CFR 60.670)

	Equipment	Opacity Limit (%)
1.2a	Any equipment enclosed within a building	No visible emissions
1.2b	All crushers	12
1.2c	Screens	7
1.2d	Rock drills	5
1.2e	Conveyors/Transfer points	7
1.2f	Wash screens and all subsequent equipment downstream up to the next crusher or storage bin	No visible emissions
1.2g	All equipment controlled by a baghouse dust collector	7
1.2h	Wheel loaders and truck traffic	5
1.2i	Material storage piles	5
1.2j	Any other process equipment which is part of the nonmetallic mineral crushing facility or related processes	7

II. MATERIAL LIMITS

1. The permittee shall not process more than 600,000 tons of material through FGCRUSHING per 12-month rolling time period as determined at the end of each calendar month. (R 336.1205, 40 CFR 52.21 (c) & (d))
2. The permittee shall not crush any asbestos tailings or asbestos containing waste materials, as defined by the National Emission Standard for Hazardous Air Pollutants regulations, in FGCRUSHING. (40 CFR Part 61 Subpart M)

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate FGCRUSHING unless the program for continuous fugitive emissions control for all facility roadways, the facility yard, all storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained. (R 336.1371, R336.1372, Act 451 324.5524)
2. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and OOO, as they apply to FGCRUSHING. (40 CFR Part 60 Subparts A & OOO)

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate any portion of FGCRUSHING unless the water sprays for each crusher and each screen are installed, maintained and operated in a satisfactory manner. **(R 336.1910, 40 CFR 52.21 (c) & (d))**
2. The permittee shall install and maintain a belt scale(s) on the transfer conveyor(s) portion of FGCRUSHING which continuously shows the daily throughput rate for the conveyor(s). **(40 CFR 52.21 (c) & (d))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(40 CFR 52.21 (c) & (d))**
2. The permittee shall keep daily and monthly records of the amount of material processed through FGCRUSHING. Furthermore, the permittee shall calculate on a monthly basis, the yearly throughput rate based upon the most recent 12-month rolling time period. The permittee shall keep records of the amount of material processed on file and make them available to the Department upon request. **(40 CFR 52.21 (c) & (d))**
3. The permittee shall not operate FGCRUSHING unless the nuisance minimization plan for fugitive dust for all plant roadways, the plant yard, all material storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained. **(R 336.1371)**
4. The permittee shall keep records of all watering/dust suppressant applications for the site roadways, plant yard and stockpiles as required by Appendix A. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1371)**

VII. REPORTING

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of FGCRUSHING. **(R 336.1201(7)(a))**
2. The permittee shall provide written notification of construction and operation to comply with the federal Standards of Performance for New Stationary Sources, 40 CFR 60.7. The permittee shall submit this notification to the AQD District Supervisor within the time frames specified in 40 CFR 60.7. **(40 CFR 60.7)**
3. The permittee shall submit notification to the AQD District Supervisor at least 10 days prior to relocating FGCRUSHING to this site. **(Act 451 324.5505, 40 CFR 52.21 (c) & (d))**

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

1. In the event that EUPROCESS is removed from this location, the permittee may return, install and operate this equipment at this location pursuant to this Permit to Install, provided that all of the following conditions are met:
 - a. There are no outstanding and unresolved compliance issues, resulting from written notification by the AQD, involving either EUPROCESS or this location.
 - b. The permittee provides written notification to the AQD District Supervisor, at least one week prior to the return of EUPROCESS, that the equipment is scheduled to return to this location.

Notwithstanding the provisions of this condition, the AQD may void this permit during the time that EUPROCESS is removed from this location if it has reason to believe that, if returned, EUPROCESS is not likely to operate in compliance with all applicable rules and permit conditions. If this action is taken, the AQD shall notify the permittee, in writing, of the reasons therefore. The voiding of this permit shall be without prejudice to the permittee's right to file a new Permit to Install application. **(Act 451 324.5505, R 336.1201, R 336.1205, 40 CFR 52.21 (c) & (d), 40 CFR 60.7)**

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

**APPENDIX A:
Nuisance Minimization Plan for
Fugitive Dust**

I. Site Roadways / Plant Yard

- A. The dust on the site roadways and the plant yard shall be controlled by applications of water, calcium chloride or other acceptable and approved fugitive dust control compounds. Applications of dust suppressants shall be done as often as necessary to meet all applicable emission limits. A record of all watering/dust suppressant applications shall be kept on file and be made available to the AQD upon request.
- B. All paved roadways and the plant yards shall be swept as needed between applications.

II. Plant

The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve. The transfer point from the re-circulating belt to the feed belt shall be equipped with an enclosed chute.

III. Storage Piles

- A. Stockpiling of all nonmetallic minerals shall be performed to minimize drop distance and control potential dust problems.
- B. Stockpiles shall be watered on an as needed basis in order to meet the opacity limit of 5 percent. Equipment to apply water or dust suppressant shall be available at the site or on call for use at the site within a given operating day. A record of all watering/dust suppressant applications shall be kept on file and be made available to the AQD upon request.

IV. Truck Traffic

On-site vehicles shall be loaded to prevent their contents from dropping, leaking, blowing or otherwise escaping. This shall be accomplished by loading so that no part of the load shall come in contact within 6 inches of the top of any side board, side panel or tailgate. Otherwise, the truck shall be tarped.

V. AQD/MDEQ Inspection

The provisions and procedures of this plan are subject to adjustment by written notification from the AQD if, following an inspection, the AQD finds the fugitive dust requirements and/or permitted emission limits are not being met.



7901 Sylvania Road
Sylvania, Ohio 43560
Local 419-841-3232
Fax 419-882-8772

www.NRMsolution.com

Electronically Delivered: November 1, 2021

EGLE, Air Quality Division
P.O. Box 30473
Lansing, MI 48909-7742

Attention: Mr. Nicholas Carlson, Environmental Engineer

Reference: Relocation Notice
Kraken Crushed Concrete & Recycling, LLC
General Permit No. 13-16

Dear Mr. Carlson,

Natural Resource Management, LLC (NRM) has been retained by Kraken Crushed Concrete & Recycling, LLC to complete a relocation notice for the above referenced facility. The facility will be moved to the site on November 10, 2021.

If you have any questions, please contact Alyssa Grell at 419-841-3232.

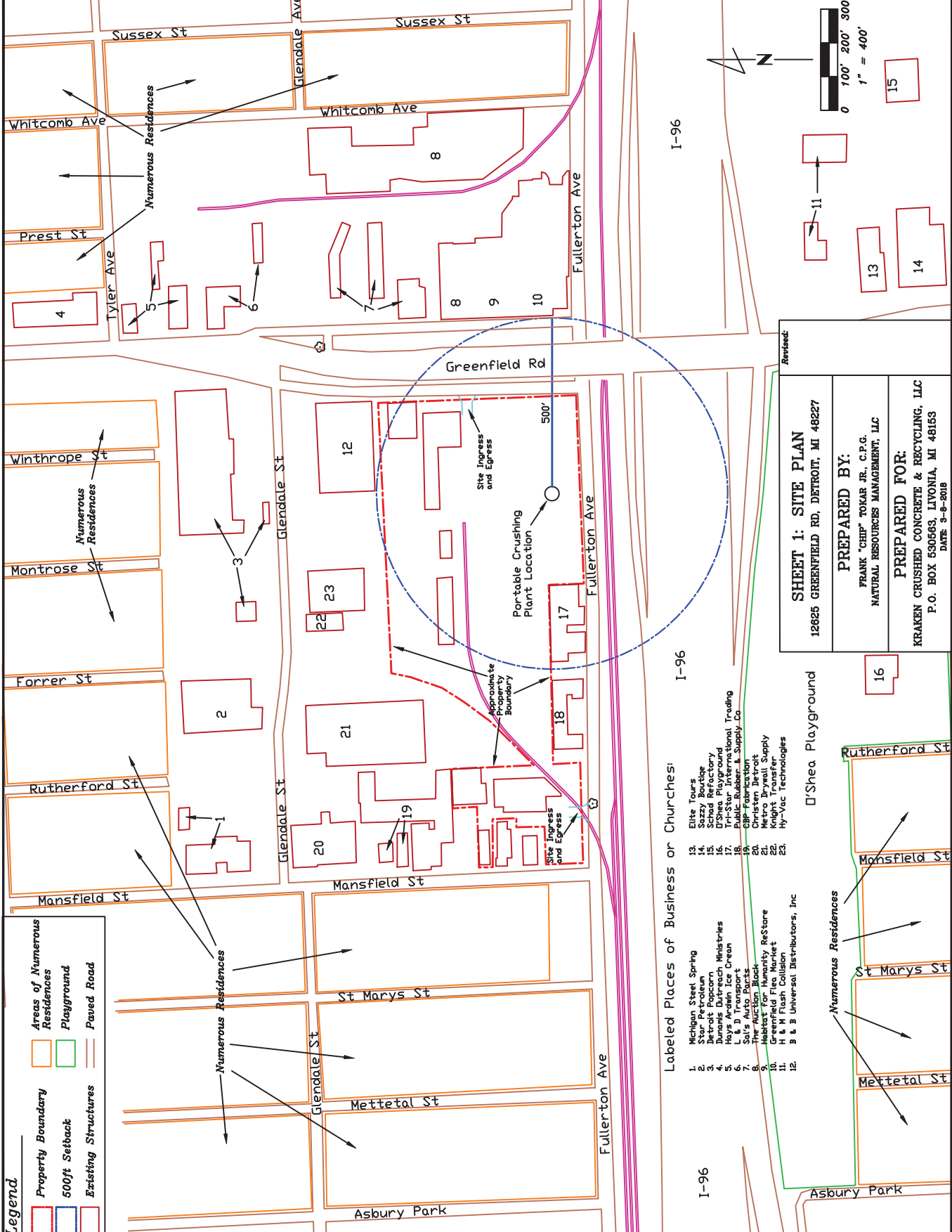
Sincerely,

A handwritten signature in blue ink that reads "Alyssa Grell".

Alyssa Grell, Geologist
Natural Resources Management, LLC

cc: Mr. Tony Calo, Kraken Crushed Concrete & Recycling, LLC
PO Box 702068
Plymouth, MI 48170

Site Map for New Location



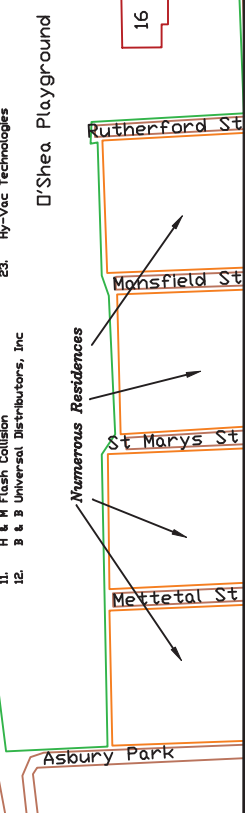
- Legend**
- Property Boundary
 - 500ft Setback
 - Existing Structures
 - Areas of Numerous Residences
 - Playground
 - Paved Road

Labeled Places of Business or Churches:

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Michigan Steel Spring 2. Detroit Popcorn 3. Duronis Dubbrech Ministries 4. Hays Arden Ice Cream 5. L & J Transport 6. The Auction Block 7. Habitat for Humanity ReStore 8. Greenfield Flea Market 9. H & H Fish Collision 10. B & B Universal Distributors, Inc | <ul style="list-style-type: none"> 13. Elite Tours 14. School Refectory 15. D'Shea Playground 16. Tri-Stor International Trading 17. Public Rubber & Supply Co 18. Christen Barokk 19. Metro Drywall Supply 20. Knight Transfer 21. Hy-Vac Technologies |
|---|--|

Revised:

<p>SHEET 1: SITE PLAN</p> <p>12625 GREENFIELD RD, DETROIT, MI 48227</p>
<p>PREPARED BY:</p> <p>FRANK "CHIP" TOKAR JR., C.P.G.</p> <p>NATURAL RESOURCES MANAGEMENT, LLC</p>
<p>PREPARED FOR:</p> <p>KRAKEN CRUSHED CONCRETE & RECYCLING, LLC</p> <p>P.O. BOX 530563, LIVONIA, MI 48153</p> <p>DATE: 9-8-2018</p>



Original General Permit Forms

RECEIVED

S.T.



Michigan Department Of Environmental Quality - Air Quality Division 2016

GENERAL PERMIT TO INSTALL APPLICATION

GENERAL INFORMATION

AIR QUALITY DIVISION

FOR DEQ USE ONLY
PERMIT NUMBER
13-16

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Use this form to request authority to install and operate a source, process or process equipment under the terms and conditions of a general permit to install pursuant to Rule 201a. Prepare this form, the appropriate Process Information form(s) and the Additional Information form (if needed). Submit all information, including forms, in duplicate. NOTE: A general permit cannot apply to a source, process, or process equipment that is covered by a Permit to Install pursuant to Rule 201 and is further referenced in an outstanding consent order or consent judgment.

1. FACILITY CODES		State Registration Number (SRN): P 0 3 5 8		North American Industry Classification System (NAICS) 2 1 2 3 1 9	
2. APPLICANT NAME (Business license name of the corporation, partnership, individual or government agency that owns the facility) Kraken Crushed Concrete & Recycling LLC					
3. APPLICANT MAILING ADDRESS (Street Address or P.O. Box Number) P.O. Box 530563					
CITY Livonia			STATE MI	ZIP CODE 48153 -	
4. AUTHORIZED EMPLOYEE Tony Calo			TITLE President	PHONE NO. (Include Area Code) 248 - 468 - 9203	
5. CONTACT: (If different than Authorized Employee - for questions regarding this application) April Martin				PHONE NO. (Include Area Code) 248 - 468 - 9203	
6. EQUIPMENT OR PROCESS LOCATION (Number and street, if different than mailing address) 7871 Chubb Road					
CITY Northville		ZIP CODE 48168 -	COUNTY Washtenaw		
7. THE EQUIPMENT IDENTIFIED IN THE APPLICATION IS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> EXISTING - DATE INSTALLED:					
8. IS THERE AN EXISTING PERMIT TO INSTALL FOR ANY EQUIPMENT IDENTIFIED IN THIS APPLICATION? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, INCLUDE PERMIT TO INSTALL NUMBER(S)					
9. DOES THIS SOURCE HAVE AN EXISTING RENEWABLE OPERATING PERMIT? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NOT APPLICABLE IF YES, INCLUDE RENEWABLE OPERATING PERMIT NUMBER:					
10. IS ANY OF THE EQUIPMENT INCLUDED IN AN OUTSTANDING CONSENT ORDER OR CONSENT JUDGMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
11. THE FOLLOWING FORMS ARE ATTACHED AS PART OF THIS PERMIT APPLICATION (check all that apply)					
<input checked="" type="checkbox"/> PROCESS INFORMATION (EQP 5756) (Complete the appropriate form for the process or equipment to be installed and insert the form number in the space provided.)					
<input checked="" type="checkbox"/> ADDITIONAL INFORMATION (EQP5729)					

Applicant Certification: I certify, under penalty of law, that this permit application and the attachments were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

SIGNATURE OF AUTHORIZED EMPLOYEE (Person identified in Item 4)	DATE 12/27/2015	E-MAIL ADDRESS
--	--------------------	----------------

Submit original completed application and all attachments to:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION - PERMIT SECTION
P.O. BOX 30260
LANSING, MI 48909-7760

DEQ USE ONLY - DO NOT WRITE BELOW	
DATE APPLICATION COMPLETE	1-29-16
DATE GENERAL PERMIT TO INSTALL GRANTED	2-3-16
SIGNATURE	<i>Annette Davis</i>
DATE GENERAL PERMIT TO INSTALL VOIDED	SIGNATURE



Michigan Department Of Environmental Quality - Air Quality Division
GENERAL PERMIT TO INSTALL APPLICATION
ADDITIONAL INFORMATION

FOR DEQ USE ONLY
PERMIT NUMBER
13 16

Authorized under 1994 PA 451, as amended. Completion of form is required if additional information is needed to make an application complete. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Use this form to include additional information or attachments. Prepare and submit this form with General Information form (EQP5727).

1. FACILITY CODE	2. ID (Provide the identification number of the device, emission unit or stack/vent for which additional information is being submitted.)
STATE REGISTRATION NUMBER (SRN) P 0 3 5 8	

3. WHAT TYPE OF ADDITIONAL INFORMATION ARE YOU SUBMITTING WITH THIS APPLICATION? (check all that apply)

ATTACHMENT (if checked, describe and list what is attached. May include drawings, charts, calculations, assumptions, etc.)

1. Site Plan
2. Diagram of crushing facility setup
3. EQP5756 forms listing all devices in the crushing facility setup

TECHNICAL (Specialized information regarding the installation, construction, or use of a process or stack/vent)

GENERAL (Any supplemental information that is not technical information)

4. ADDITIONAL INFORMATION NARRATIVE (A brief description of the information or attachment. May include calculations, design parameters, small diagrams, etc.)



Michigan Department Of Environmental Quality - Air Quality Division

GENERAL PERMIT TO INSTALL APPLICATION
NONMETALLIC MINERAL CRUSHING - (PAGE 2 OF 2)

FOR DEQ USE ONLY

PERMIT NUMBER

13-16

Authorized under 1991 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and for criminal penalties for providing false information.

Instructions: Page 1 of this form must be completed and certified by an authorized employee. Provide an ID and complete all items for each piece of process equipment at the facility. If the equipment is shop built, the manufactured date may be estimated. This data is mandatory. Use as many copies of this page as needed to list all process equipment. Use Additional Information form EQP5729 if needed to describe why a device is not subject to NSPS.

For a Modification: Provide the information for all existing and new or additional process equipment. Submit pages 1 and 2 to the Permit Section and the appropriate district office. See map for district office locations.

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Jaw Crusher		DEVICE ID (Assign an identification number for this device) KCC-1	
MAKE AND MODEL Lippmann J3062		SERIAL NUMBER 2015-10237	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTROL TYPE water spray	
IS DEVICE SUBJECT TO NSPS? <input checked="" type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input checked="" type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Discharge Conveyor		DEVICE ID (Assign an identification number for this device) KCC-1	
MAKE AND MODEL part of Jaw Crusher above		SERIAL NUMBER 2015-10240	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTROL TYPE water spray	
IS DEVICE SUBJECT TO NSPS? <input checked="" type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input checked="" type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

See, draw 1-27 call with April mail

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Screener		DEVICE ID (Assign an identification number for this device) KCC-2	
MAKE AND MODEL Lippmann 5165		SERIAL NUMBER 2015-10242	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTROL TYPE This was her error - it does have water spray	
IS DEVICE SUBJECT TO NSPS? <input checked="" type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT 1/27/16 - will be scheduling			

See spec - CAS 1-27-1

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Recycle Conveyor		DEVICE ID (Assign an identification number for this device) KCC-3	
MAKE AND MODEL Woolley Grasshopper		SERIAL NUMBER 2300.90569	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTROL TYPE	
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT See email 1-29-16			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Screen Feed Conveyor		DEVICE ID (Assign an identification number for this device) KCC-4	
MAKE AND MODEL WHO TH80		SERIAL NUMBER 2279	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTROL TYPE	
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

See 1-29-1 email 1-27-13 will be schedule



Michigan Department Of Environmental Quality - Air Quality Division
GENERAL PERMIT TO INSTALL APPLICATION
NONMETALLIC MINERAL CRUSHING - (PAGE 2 OF 2)

FOR DEQ USE ONLY

PERMIT NUMBER

13-16

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Page 1 of this form must be completed and certified by an authorized employee. Provide an ID and complete all items for each piece of process equipment at the facility. If the equipment is shop built, the manufactured date may be estimated. This data is mandatory. Use as many copies of this page as needed to list all process equipment. Use Additional Information form EQP5729 if needed to describe why a device is not subject to NSPS.

For a Modification: Provide the information for all existing and new or additional process equipment. Submit pages 1 and 2 to the Permit Section and the appropriate district office. See map for district office locations.

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Discharge Conveyor		DEVICE ID (Assign an identification number for this device) KCC-5	
MAKE AND MODEL Thor 30" x 120'		SERIAL NUMBER 1342	MANUFACTURED DATE (year) 1984
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

1-27-11
will
send

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Discharge Conveyor		DEVICE ID (Assign an identification number for this device) KCC-6	
MAKE AND MODEL Thor 30" x 80'		SERIAL NUMBER 04078698635	MANUFACTURED DATE (year) 1986 ¹⁻²⁷⁻¹⁶ _{with}
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

call
Pvt
Mork

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.)		DEVICE ID (Assign an identification number for this device)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.)		DEVICE ID (Assign an identification number for this device)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.)		DEVICE ID (Assign an identification number for this device)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (tons per hour)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

Process Information Forms Previously Submitted for Modifications



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

LANSING



LIESL EICHLER CLARK
DIRECTOR

August 27, 2019

Mr. Tony Calo, President
Kraken Crushed Concrete & Recycling, LLC
P.O. Box 530563
Livonia, Michigan 48153

Dear Mr. Calo

This letter is to acknowledge receipt of a Process Information form for a modification to your General Permit to Install (PTI) for a nonmetallic mineral crushing facility, located at 12625 Greenfield Road in Detroit, Michigan. This General PTI, identified as No. 13-16 has been updated to reflect the removal of conveyors (Device I.D. KCC-4 and KCC-5) and the addition of the following three conveyors (Device I.D. KCC-7, KCC-10 and KCC-11).

Approval of this modification is based upon your certification that all General PTI applicability criteria shall continue to be met after the replacement or modification is complete. The terms and conditions of General PTI No. 13-16 remain in effect to assure that the process or process equipment will operate in compliance with all applicable requirements for air pollution control.

Please note that Special Condition No. III.2 requires all equipment subject to the federal New Source Performance Standards (NSPS), Subpart OOO, for Nonmetallic Mineral Processing plants, be tested to demonstrate compliance with visible emission and particulate emission limits. If it is determined that this equipment has not been previously tested, you are required to schedule testing upon start-up of the plant with the addition of the new equipment.

Please contact the AQD District Office or me if you have any questions regarding this permit.

Sincerely,

Sue Thelen
Air Quality Division, Permit Section
517-284-6804
Thelens4@michigan.gov

cc: ~~Ms. Alyssa Grell, NRM~~
Ms. Wilhelmina McLemore, EGLE



7901 Sylvania Road
Sylvania, Ohio 43560
Local 419-841-3232
Fax 419-882-8772

www.NRMmining.com

July 3, 2019

EGLE, Air Quality Division
301 East Louis Glick Highway
Jackson, MI 49201

Attention: Mr. Nicholas Carlson, Environmental Engineer

Reference: Modification Notice
Kraken Concrete & Recycling, LLC
Permit No. 13-16

Dear Mr. Carlson,

Natural Resource Management, LLC (NRM) has been retained by Kraken Concrete & Recycling, LLC to complete the Modification Notice for the above referenced facility.

Compliance testing for visible emissions in accordance with Special Condition 1.8 of the permit is scheduled to be on or around August 31, 2019. We will submit a Notice of Intent to test prior to that date.

If you have any questions, please contact Alyssa Grell at 419-841-3232.

Sincerely,

A handwritten signature in cursive script that reads 'Alyssa Grell'.

Alyssa Grell, Geologist
Natural Resources Management, LLC

cc: Mr. Tony Calo, Kraken Concrete & Recycling, LLC
PO Box 530563
Livonia, MI 48153



Michigan Department Of Environmental Quality - Air Quality Division

GENERAL PERMIT TO INSTALL APPLICATION

PROCESS INFORMATION - NONMETALLIC MINERAL CRUSHING (PAGE 1 OF 2)

FOR DEQ USE ONLY
PERMIT NUMBER

Authorized Under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Use this form to request authority to install and operate a nonmetallic mineral crushing facility, under the terms and conditions of a general permit to install pursuant to Rule 201a. If two or more primary crushers operate in parallel, each constitutes a separate facility. Complete a separate copy of this form for each facility. Prepare and submit this form with the General Information form (EQP5727). For a Modification: Complete Items 1-9. Identify all existing and new or additional process equipment. Certify and submit pages 1 and 2 of this form to the Permit Section and the appropriate district office. See map for district office locations.

1. FACILITY CODE STATE REGISTRATION NUMBER (SRN) 5 0 3 5 3		2. MINE/QUARRY NAME Kraken Crushed Concrete & Recycling, LLC	
SECTION 14	TOWNSHIP 1S	RANGE 7E	3. AMOUNT PROCESSED AT THIS SITE (tons per year) 600,000
4. DESCRIPTION (Brief description of this facility or proposed modification. Attach a detailed site map showing all site characteristics including the location of any residential and/or commercial establishments and places of public assembly located within 1,000 feet of the proposed site)			
Replacements to equipment on site			
5. DOES THIS FACILITY HAVE ANY OUTSTANDING UNRESOLVED AIR VIOLATIONS?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
6. ARE THE CRUSHER(S) LOCATED A MINIMUM OF 500 FEET FROM ALL RESIDENTIAL OR COMMERCIAL ESTABLISHMENTS OR PLACES OF PUBLIC ASSEMBLY?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
7. WAS THIS FACILITY PREVIOUSLY PERMITTED PURSUANT TO RULE 201? IF YES, PERMIT NO. 13-16			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
8. APPLICATION IS FOR <input type="checkbox"/> NEW GENERAL PERMIT <input checked="" type="checkbox"/> MODIFICATION TO EXISTING GENERAL PERMIT - PERMIT NO. 13-16			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
9. FOR A MODIFICATION: IS THE FACILITY CURRENTLY IN COMPLIANCE WITH ALL CONDITIONS OF THE EXISTING GENERAL PERMIT, INCLUDING BUT NOT LIMITED TO THE TESTING OF ALL NSPS SUBJECT EQUIPMENT?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Instructions for completing the following items: Each piece of equipment must have a unique identification number (ID). The ID may be any combination of up to 10 letters, numbers or keyboard characters with no spaces between characters. Provide an ID and complete all items for each piece of process equipment at the facility. If equipment is shop built, the manufactured date may be estimated. This data is mandatory. Use as many copies of page 2 as needed to list all process equipment. Use Additional Information form EQP5729 if needed to describe why a device is not subject to NSPS.

DEVICE DESCRIPTION (crusher type, screen, conveyor, drill, etc.) Jaw Crusher		DEVICE ID (Assign an identification number for this device) KCC-1	
MAKE AND MODEL Lippmann J3062		SERIAL NUMBER 2015-10237	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE Water spray as needed		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input checked="" type="checkbox"/> YES, DATE TEST PASSED 2/18/2016 <input type="checkbox"/> NO, DATE TEST SCHEDULED		<input type="checkbox"/> NO, REASON NOT SUBJECT	

DEVICE DESCRIPTION (crusher type, screen, conveyor, drill, etc.) Discharge Conveyor from Jaw Crusher		DEVICE ID (Assign an identification number for this device) KCC-1	
MAKE AND MODEL Lippmann J3062		SERIAL NUMBER 2015-10240	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE Water spray as needed		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input checked="" type="checkbox"/> YES, DATE TEST PASSED 2/18/2016 <input type="checkbox"/> NO, DATE TEST SCHEDULED		<input type="checkbox"/> NO, REASON NOT SUBJECT	

This page must be certified by an authorized employee
Applicant Certification: I certify, under penalty of law, that this permit application and any attachments were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

SIGNATURE OF AUTHORIZED EMPLOYEE <i>April Martin</i>	DATE 7-18-19
---	------------------------



Michigan Department Of Environmental Quality - Air Quality Division

**GENERAL PERMIT TO INSTALL APPLICATION
NONMETALLIC MINERAL CRUSHING- (PAGE 2 OF 2)**

FOR DEQ USE ONLY
PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Page 1 of this form must be completed and certified by an authorized employee. Provide an ID and complete all items for each piece of process equipment at the facility. If the equipment is shop built, the manufactured date may be estimated. This data is mandatory. Use as many copies of this page as needed to list all process equipment. Use Additional Information form EQP5729 if needed to describe why a device is not subject to NSPS.

For a Modification: Provide the information for all existing and new or additional process equipment. Submit pages 1 and 2 to the Permit Section and the appropriate district office. See map for district office locations.

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Screener		DEVICE ID (Assign an identification number for this device) KCC-2	
MAKE AND MODEL Lippmann 5165		SERIAL NUMBER 2015-10242	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE Water spray as needed		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input checked="" type="checkbox"/> YES, DATE TEST PASSED 2/18/2016 <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Recycle Conveyor		DEVICE ID (Assign an identification number for this device) KCC-3	
MAKE AND MODEL Woolley Grasshopper 36" x 60'		SERIAL NUMBER 2300-90569	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input checked="" type="checkbox"/> YES, DATE TEST PASSED 2/18/2016 <input type="checkbox"/> NO, DATE TEST SCHEDULED <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Screen Feed Conveyor		DEVICE ID (Assign an identification number for this device) KCC-10	
MAKE AND MODEL Lippmann 60" x 65'		SERIAL NUMBER 2019-90174	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE Water spray as needed		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input checked="" type="checkbox"/> NO, DATE TEST SCHEDULED 8/31/2019 <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Jump Conveyor		DEVICE ID (Assign an identification number for this device) KCC-7	
MAKE AND MODEL Site Built 30" x 30'		SERIAL NUMBER NA	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE Spray as needed		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input checked="" type="checkbox"/> NO, DATE TEST SCHEDULED 8/31/2019 <input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (crusher-type, screen, conveyor, drill, etc.) Discharge Conveyor		DEVICE ID (Assign an identification number for this device) KCC-11	
MAKE AND MODEL McCloskey 36" x 125'		SERIAL NUMBER 84321	MANUFACTURED DATE (year) 2015
MAXIMUM RATED CAPACITY (tons per hour) 350	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO CONTROL TYPE Spray as needed		
IS DEVICE SUBJECT TO NSPS? <input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input checked="" type="checkbox"/> NO, DATE TEST SCHEDULED 8/31/2019 <input type="checkbox"/> NO, REASON NOT SUBJECT			



**GENERAL PERMIT TO INSTALL APPLICATION
NONMETALLIC MINERAL CRUSHING- (PAGE 2 OF 2)**

FOR DEQ USE ONLY
PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and for criminal penalties for providing false information.

Instructions: Page 1 of this form must be completed and certified by an authorized employee. Provide an ID and complete all items for each piece of process equipment at the facility. If the equipment is shop built, the manufactured date may be estimated. This data is mandatory. Use as many copies of this page as needed to list all process equipment. Use Additional Information form EQP5729 if needed to describe why a device is not subject to NSPS.

For a Modification: Provide the information for all existing and new or additional process equipment. Submit pages 1 and 2 to the Permit Section and the appropriate district office. See map for district office locations.

DEVICE DESCRIPTION (<i>crusher-type, screen, conveyor, drill, etc.</i>)		DEVICE ID (<i>Assign an identification number for this device</i>)	
Conveyor		KCC-6	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
THOR 30" x 80'		0407-869-8655	Unknown
MAXIMUM RATED CAPACITY (<i>tons per hour</i>)	CONTROL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
350	CONTROL TYPE Water spray as needed		
IS DEVICE SUBJECT TO NSPS?			
<input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input checked="" type="checkbox"/> YES, DATE TEST PASSED 2/18/2016 <input type="checkbox"/> NO, DATE TEST SCHEDULED			
<input type="checkbox"/> NO, REASON NOT SUBJECT			

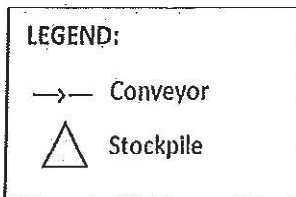
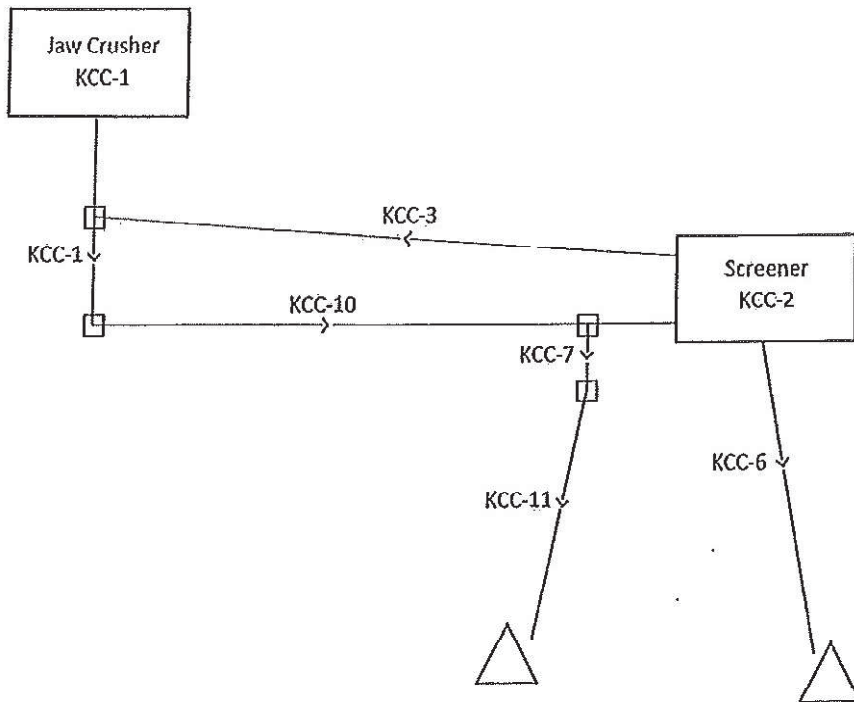
DEVICE DESCRIPTION (<i>crusher-type, screen, conveyor, drill, etc.</i>)		DEVICE ID (<i>Assign an identification number for this device</i>)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (<i>tons per hour</i>)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO		
	CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS?			
<input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED			
<input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (<i>crusher-type, screen, conveyor, drill, etc.</i>)		DEVICE ID (<i>Assign an identification number for this device</i>)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (<i>tons per hour</i>)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO		
	CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS?			
<input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED			
<input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (<i>crusher-type, screen, conveyor, drill, etc.</i>)		DEVICE ID (<i>Assign an identification number for this device</i>)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (<i>tons per hour</i>)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO		
	CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS?			
<input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED			
<input type="checkbox"/> NO, REASON NOT SUBJECT			

DEVICE DESCRIPTION (<i>crusher-type, screen, conveyor, drill, etc.</i>)		DEVICE ID (<i>Assign an identification number for this device</i>)	
MAKE AND MODEL		SERIAL NUMBER	MANUFACTURED DATE (year)
MAXIMUM RATED CAPACITY (<i>tons per hour</i>)	CONTROL? <input type="checkbox"/> YES <input type="checkbox"/> NO		
	CONTROL TYPE		
IS DEVICE SUBJECT TO NSPS?			
<input type="checkbox"/> YES, HAS DEVICE BEEN TESTED? <input type="checkbox"/> YES, DATE TEST PASSED <input type="checkbox"/> NO, DATE TEST SCHEDULED			
<input type="checkbox"/> NO, REASON NOT SUBJECT			

Kraken Crushed Concrete & Recycling
Flow Diagram
July 2019



Kraken Crushed Concrete & Recycling LLC

7/3/2019

Equipment List

Device Description	Make&Model	Device ID	Serial Number	Mfg. Date	Rated Capacity (TPH)	Wet or Dry	Control Type
Jaw Crusher	Lippmann J3062	KCC-1	2015-10237	2015	350	Dry	Water Spray
Discharge Conveyor from Jaw Crusher	Lippmann J3062	KCC-1	2015-10240	2015	350	Dry	Water Spray
Screeners	Lippmann 5165	KCC-2	2015-10242	2015	350	Dry	Water Spray
Recycle Conveyor	Woolley Grasshopper 36" x 100'	KCC-3	2300-90569	2015	350	Dry	Water Spray
Screen Feed Conveyor	Lippmann 60" x 65'	KCC-10	2019-00002	2019	350	Dry	Water Spray
Jump Conveyor	Site Built 30" x 30'	KCC-7	2015-00001	2015	350	Dry	Water Spray
Discharge Conveyor	McCloskey 36" x 125'	KCC-11	84321	2015	350	Dry	Water Spray as Needed
Conveyor	THOR 30" x 80'	KCC-6	0407-869-8655	Unknown	350	Dry	Water Spray as Needed



7901 Sylvania Road
Sylvania, Ohio 43560
Local 419-841-3232
Fax 419-882-8772

www.NRMmining.com

September 17, 2019

EGLE, Air Quality Division
P.O. Box 30473
Lansing, MI 48909-7742

Attention: Mr. Nicholas Carlson, Environmental Engineer

Reference: Notice of Relocation for Conveyor
Kraken Crushed Concrete & Recycling, LLC
Permit No. 13-16

Dear Mr. Carlson,

Natural Resource Management, LLC (NRM) has been retained by Kraken Crushed Concrete & Recycling, LLC to complete a letter for relocation of a conveyor on the above referenced facility. This site will be moving a site-built conveyor (KCC-7) from this plant to their Dino-Mite Plant, Permit No. 48-18. An Air Modification will be sent in for Permit No. 48-18.

A flow diagram of this site is attached to add to the file.

If you have any questions, please contact Alyssa Grell at 419-841-3232.

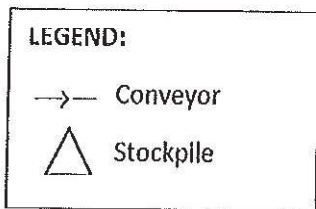
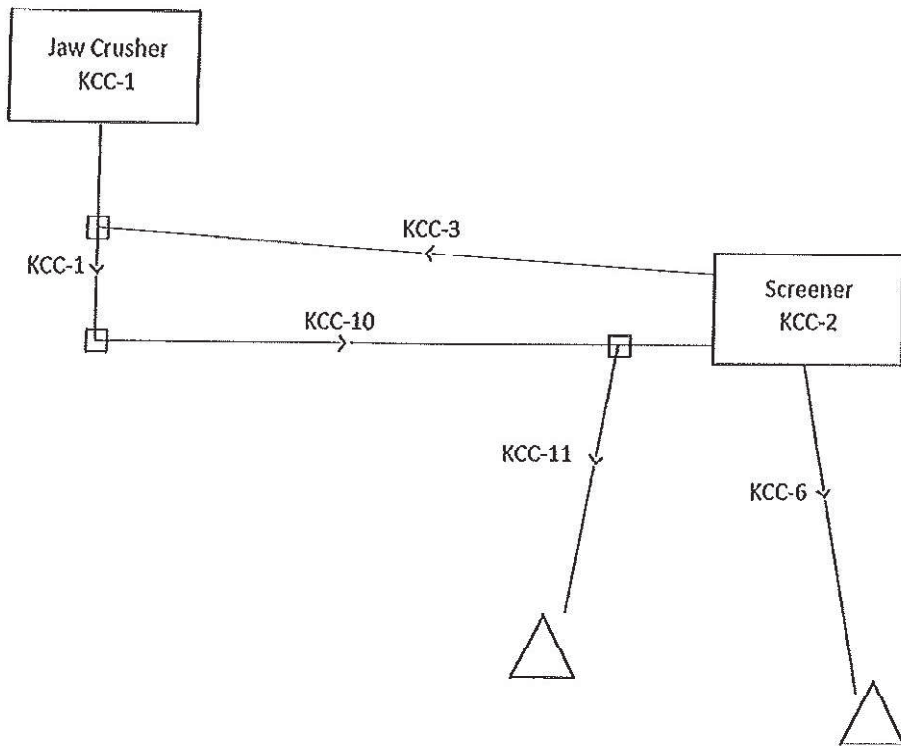
Sincerely,

A handwritten signature in black ink that reads 'Alyssa Grell'. The signature is written in a cursive, flowing style.

Alyssa Grell, Geologist
Natural Resources Management, LLC

cc: Mr. Tony Calo, Dino-Mite Crushing & Recycling, LLC
PO Box 530563
Livonia, MI 48153

Kraken Crushed Concrete & Recycling
Flow Diagram
September 2019



APPENDIX B

MCL 324.5524 Operating Program

Greenfield Supply Center, LLC
12625 Greenfield Road
Detroit, Michigan 48227

Prepared For:

Kraken Crushed Concrete & Recycling, LLC
d.b.a. Greenfield Supply Center, LLC
P.O. Box 530563
Livonia, Michigan 48153

Prepared By:

Natural Resources Management, LLC
With Assistance From Michigan Aggregates Association
6715 Maplewood Avenue
Sylvania, Ohio 43560
419-841-3232

Table of Contents

Introduction.....	4
Applicability- MCL 324.5524(1).....	4
Fugitive Dust Opacity Limits - MCL 324.5524(2).....	4
Fugitive Dust Controls - MCL 324.5524(3)(a).....	4
Stockpile, Conveyor Loading, and Traffic Patterns - MCL 324.5524(3)(a)(i)-(iii).....	4
Material Handling with Pollution Control Equipment-MCL324.5524(3)(a)(iv).....	5
Other Activity Controls - MCL 324.5524(3)(a)(v).....	5
Particulate Collection Equipment - MCL 324.5524(3)(b).....	5
Vehicle Transport of Materials with High Silt Content - MCL 324.5524(3)(c).....	5
Vehicle Transport of Materials - MCL 324.5524(3)(d)-(e).....	5
Vehicle Transport of Materials - MCL 324.5524(3)(f).....	5
Vehicle Transport of Materials - MCL 324.5524(3)(g).....	5
Requirement to Prepare an Operating Program - MCL 324.5524(4).....	5
Operating Program Contents - MCL 324.5524(5).....	6
Facility Contact Information - MCL 324.5524(5)(a)-(b).....	6
Facility Maps and Diagrams - MCL 324.5524(5)(c).....	6
Material Handling Pollution Control Equipment Locations - MCL 324.5524(5)(d).....	6
Fugitive Dust Control Best Management Practices - MCL 324.5524(5)(e).....	6
Use of Waste or Recycled Oils for Fugitive Dust Control - MCL 324.5524(5)(f).....	7
Dust Suppressant Recordkeeping - MCL 324.5524(5)(g).....	7
Paved Road and Parking Facility Cleaning - MCL 324.5524(5)(h).....	7
Other Information - MCL 324.5524(5)(i).....	7
Operating Program Submittal - MCL 324.5524(6).....	7
Operation Program Amendment - MCL 324.5524(7).....	7
Alternate Provisions for Fugitive Dust Control - MCL 324.5524(8).....	7
Alternate Provision Submittal to USEPA - MCL 324.5524(9).....	7

List of Figures

Figure 1 - Site Location Map

Figure 2 - Site Layout

List of Appendices

Appendix A- Greenfield Supply - Potential-to-Emit (PTE) Calculations

Introduction

This Operating Program has been developed and implemented for the Greenfield Supply Center, LLC Facility located at 12625 Greenfield Road, Detroit, Michigan 48227 (Facility/Site) herein described as the Greenfield Road Facility. The purpose of this program is to describe the tools and methods used to control fugitive dust emissions in accordance Section 5524 of the Natural Resources and Environmental Protection Act, being MCL 324.5524, *Fugitive dust sources or emissions*.

The primary industrial activity at this Site is the crushing and screening of recycled concrete and storage/transportation of construction aggregates. Recycled concrete is delivered to the Site by rail road and truck. Material is crushed, screened/sorted and stockpiled utilizing crushing and screening machinery, conveyors and front-end loaders. Front-end loaders are also used to load construction aggregates into outbound trucks. Construction aggregates are loaded onto and off the rail road spur utilizing a conveyor system.

Greenfield Road Facility's planned operational days will be 7 days a week.

The facility is bordered by Fullerton Avenue and I-96 to the south, industrial buildings and Glendale Street to the north, Mansfield Street to the West and Greenfield Avenue to the East. The Facility property, and all adjacent parcels are zoned M4 intensive industrial.

The following sections of this Operating Program are organized in order of the requirements of MCL 324.5524.

Applicability- MCL 324.5524(1)

The provisions of MCL 324.5524 apply to fugitive dust sources at the Greenfield Road Facility because it meets the standard industrial classification (SIC) code and locational requirements established in MCL 324.5524. Facility operations are covered under SIC major group 42, *motorfreight transportation and warehousing* and 14 *mining and quarrying of non-metallic minerals*. The Greenfield Road Facility specializes in the import and export of construction aggregates. The SIC code used to describe the Facility's primary industrial activities is 4214 - *Local Trucking with Storage and 1429 – Crushed and Broken Stone not elsewhere classified*. The corresponding North American Industry Classification System (NAICS) code for the Facility is 484220 – *Specialized freight (except used good) trucking, local and 212312 limestone quarrying and crushing*

Fugitive Dust Opacity Limits - MCL 324.5524(2)

In accordance with MCL 324.5524(2), best practices and operational controls are implemented at the Facility to limit fugitive dust emissions from paved and unpaved roads, lots, construction aggregate storage piles, and material handling activities to an opacity no greater than 5%. Emissions from any other source are limited to an opacity no greater than 20%. Specific controls used to control fugitive dust emissions are discussed in the following sections of this Operating Program.

Fugitive Dust Controls - MCL 324.5524(3)(a)

Stockpile, Conveyor Loading, and Traffic Patterns - MCL 324.5524(3)(a)(i)-(iii)

MCL 324.5524(3)(a)(i) through 324.5524(3)(a)(iii) requires specific controls to limit fugitive dust emission from stockpiles, conveyor loading activities, and traffic pattern access areas surrounding stockpiles. As explained in MCL 324.5523(3)(a)(i), these controls are applicable to facilities where the total uncontrolled emissions of fugitive dust from material storage piles are greater than 50 tons per year and where potential particulate emissions from all sources, including fugitive dust sources, exceeds 100 tons per year. The Greenfield Road Facility's total uncontrolled fugitive dust emissions do not exceed 50 tons per year. Therefore, the requirements of MCL 324.5524(3)(a)(i) - (iii) do not apply to this site. Refer to Appendix A of this program for potential-to-emit (PTE) calculations for the site.

Material Handling with Pollution Control Equipment-MCL324.5524(3)(a)(iv)

The Greenfield Road Facility does not utilize pollution control equipment to collect particulate emission from material unloading and transport operations. Therefore, the requirements of MCL 324.5523(3)(a)(iv) do not apply to the Greenfield Road Facility.

Other Activity Controls - MCL 324.5524(3)(a)(v)

A potential for fugitive dust creation exists during the crushing, screening and stockpiling of construction aggregates. Additionally, unloading and loading activities have a potential for fugitive dust emissions. To minimize fugitive dust emissions, water sprays are used as needed on the crusher, conveyor transfer points and stockpiles, in accordance with MCL 324.5523(3)(a)(v).

Particulate Collection Equipment - MCL 324.5524(3)(b)

The Facility does not use particulate collection equipment to control fugitive dust emissions; therefore, MCL 324.5524(3)(b) is not applicable to the Greenfield Road Facility operations.

Vehicle Transport of Materials with High Silt Content - MCL 324.5524(3)(c)

The Greenfield Road Facility complies with the requirements of MCL 324.5524(3)(c) by requiring truck drivers to tarp all loads before leaving the Facility to control fugitive dust emissions during transport. A sign is posted on site to remind drivers of the requirement to tarp loads.

Vehicle Transport of Materials - MCL 324.5524(3)(d)-(e)

Customer vehicles used to transport construction aggregate off-site are not owned or operated by Greenfield Supply Center, LLC. It is the vehicle owner/operator's responsibility to ensure their vehicles are maintained in good operating condition and comply with Michigan law and regulations. However, if a Greenfield Supply Center employee observes a customer vehicle is not in a condition to transport materials without spillage or leakage (e.g., the truck does not have a tarp), then this is communicated to the driver, and the vehicle is not loaded.

If customers transport materials in vehicles with less than a 2-ton capacity, then those vehicles are not subject to tarping requirements in accordance with MCL 324.5524(3)(e).

Vehicle Transport of Materials - MCL 324.5524(3)(f)

The Greenfield Road Facility typically handles construction aggregate materials. The site does not store or handle fly ash; therefore, the requirements of MCL 324.5524(3)(f) do not apply to the Greenfield Road Facility operations.

Vehicle Transport of Materials - MCL 324.5524(3)(g)

The Greenfield Road Facility typically handles construction aggregate materials. If the site stores and handles iron or steel slag, the slag material will be at ambient temperature, and transport vehicles follow the transport practices described in the above sections of this Operating Program.

Requirement to Prepare an Operating Program - MCL 324.5524(4)

This Operating Program has been prepared in accordance with MCL 324.5524, *Fugitive dust sources or emissions*, to document the methods and controls implemented at the Greenfield Road Facility to control fugitive dust emissions from the Site's construction aggregate material storage and handling activities. This program has been designed to reduce fugitive dust emissions to the lowest level possible through the application of reasonably available and economically feasible controls.

Operating Program Contents - MCL 324.5524(5)

Facility Contact Information - MCL 324.5524(5)(a)-(b)

Facility Name:	Greenfield Supply Center, LLC – Greenfield Road Facility
Facility Address:	12625 Greenfield Road, Detroit, Michigan 48227
Facility Manger:	Tony Macioci, Site Manager (313) 363-2376
Owner/Operator:	Greenfield Supply Center, LLC 7871 Chubb Road, Northville, MI 48168
Environmental:	Natural Resources Management, LLC 6715 Maplewood Avenue, Sylvania, OH 43560 Chip Tokar 419-841-3232

The Greenfield Road Facility manager, Tony Macioci, is responsible for implementation of the Operating Program with guidance and support from Natural Resources Management, LLC, Environmental Consultant.

Facility Maps and Diagrams - MCL 324.5524(5)(c)

In accordance with MCL 234.5524(5)(c), maps and diagrams of the Greenfield Supply Center, LLC Facility are provided as Figure 1 and Figure 2 to this Operating Program. **Figure 1** shows the general site location and its surroundings within 0.25-mile of the Facility. **Figure 2** depicts the general Facility layout, including the following details:

- Approximate storage pile locations
- Crusher, Screening and Conveyor Processing Locations
- Load-in and load-out operations
- Traffic patterns within the Facility property

Material Handling Pollution Control Equipment Locations - MCL 324.5524(5)(d)

As previously described, the Greenfield Road Facility does not maintain pollution control equipment for use during construction aggregate loading and transporting operations.

Fugitive Dust Control Best Management Practices - MCL 324.5524(5)(e)

Material Processing and Conveying

Typically, broken concrete, brick, block or asphaltic concrete is delivered to the Greenfield Road Facility by rail road or truck. Material is unloaded from the trucks by dumping. Rail cars may be unloaded by excavator. Material is further broken down by excavator/hammer and transferred to the crusher by loader. The material is crushed to -8", screened and transferred to sorted stockpiles by conveyor at selected locations within the site boundary (see **Figure 2**). Fugitive dust is controlled during processing using water sprays. Whenever materials are loaded or unloaded by conveyor, transfer points and drop heights are also minimized to the maximum extent practicable to control fugitive dust emissions. Water sprays are used during conveyor transfer operations to wet the material to further control fugitive dust when the inherent moisture or precipitation is insufficient to control the fugitive dust.

Traffic Management

Equipment and truck speeds on-site are normally restricted to 8 MPH and communicated to employees and visitors by signage near the Facility entrance.

Dust Suppression

Water, calcium chloride or another acceptable chemical dust suppressant may be applied to unpaved portions of the Greenfield Road Facility at the owner/operator's discretion to minimize fugitive dust generated from equipment and vehicles travelling on the facility property. A water truck will be maintained or contracted to supply water for watering unpaved portions of the facility. Additional information regarding dust suppression use and recordkeeping are discussed in the next two sections of this Program.

Use of Waste or Recycled Oils for Fugitive Dust Control - MCL 324.5524(5)(f)

No waste or recycled oils are used for fugitive dust control at the Greenfield Road Facility. Therefore, the requirements of MCL 324.5524(5)(f) do not apply to this operation.

Dust Suppressant Recordkeeping - MCL 324.5524(5)(g)

Water, with no chemical additive is the primary material used for dust suppression on unpaved surfaces and stockpiles at the Greenfield Road Facility. In the event of extremely dry weather conditions, the operator may also select to have unpaved roads treated with a chloride solution by a third-party contractor. The operator maintains records of chloride applications for at least 5 years. These records may be maintained either electronically or by written log books in the Greenfield Supply Center office and made available upon request.

Paved Road and Parking Facility Cleaning - MCL 324.5524(5)(h)

In accordance with MCL 324.5524(5)(h), on site, paved traffic pattern roads, and Greenfield Road, a paved public right-of-way, are cleaned by a wet sweeper truck as warranted, weather permitting. Records of paved road cleaning activities are maintained for at least 5 years as required by the MDEQ. These records may be maintained either electronically or by written log books in the Greenfield Supply Center office and made available upon request.

Other Information - MCL 324.5524(5)(i)

In accordance with MCL 324.5524(5)(i), Greenfield Supply Center will provide the MDEQ with any additional information the department requests to facilitate its review of this operating program.

Operating Program Submittal - MCL 324.5524(6)

In accordance with MCL 324.5524(6), this Operating Program has been submitted to the MDEQ for approval as part of a Site-Specific General Permit-to-Install (PTI) Application.

Operation Program Amendment - MCL 324.5524(7)

This Operating Program will be amended and resubmitted to the MDEQ for approval in the event of operational changes that may result in significant increases of fugitive dust emissions from the Site.

Alternate Provisions for Fugitive Dust Control - MCL 324.5524(8)

Greenfield Supply Center, LLC is not requesting MDEQ approval of alternate fugitive dust controls to establish compliance with MCL 324.5524. Therefore, the requirements of MCL 324.5524(8) do not apply at the Greenfield Road Facility.

Alternate Provision Submittal to USEPA - MCL 324.5524(9)

We are not seeking MDEQ approval for any alternate provisions for compliance with MCL 324.5524. Therefore, fugitive dust control at the Greenfield Road Facility does not require United States Environmental Protection Agency (USEPA) approval or incorporation in the state implementation plan.

Figure 1: Property Location

11625 Greenview Ave, Grandmont, CO 80027

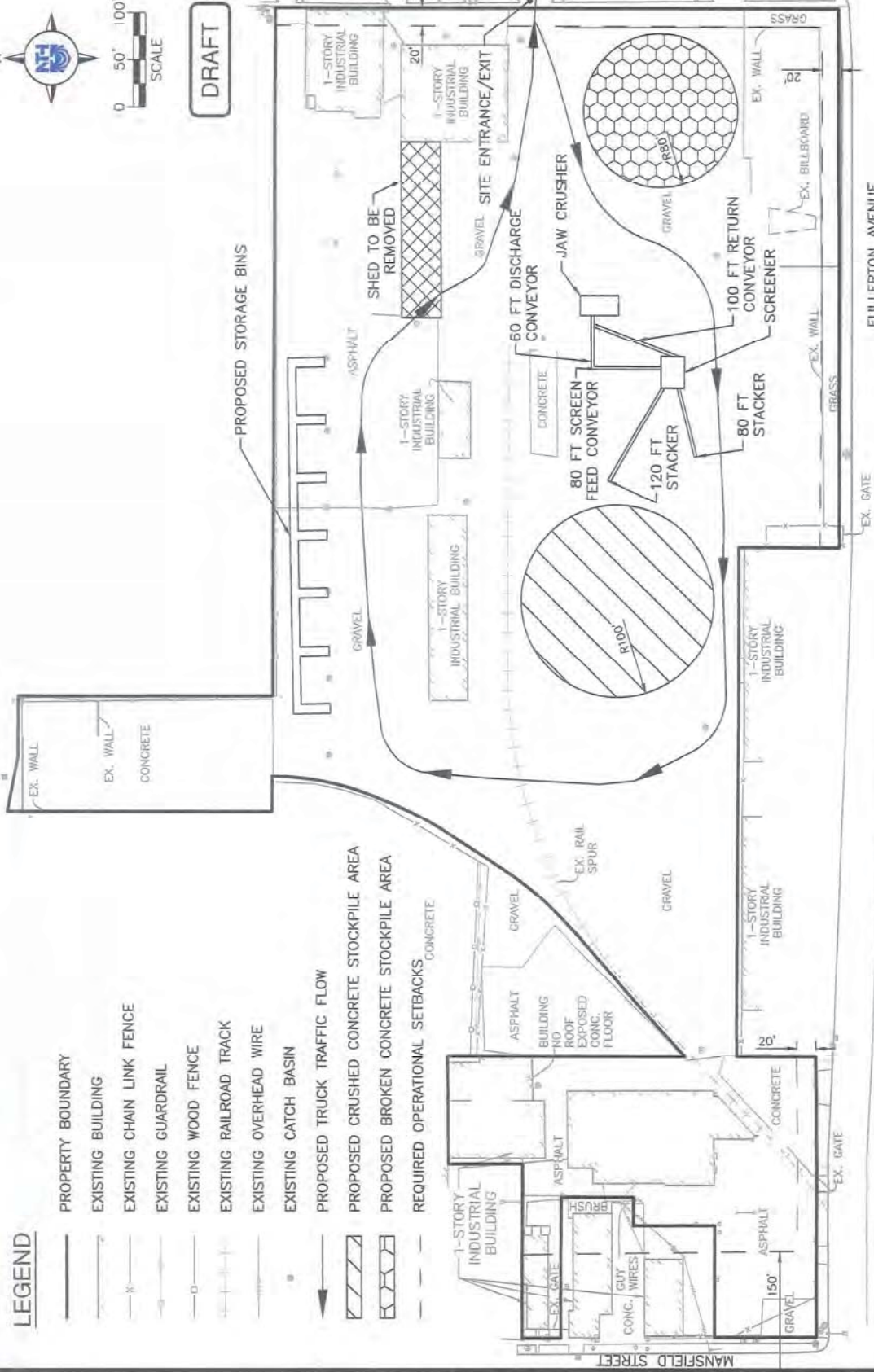
Grandmont #1

Greenfield Supply Center, LLC



LEGEND

- PROPERTY BOUNDARY
- EXISTING BUILDING
- - - EXISTING CHAIN LINK FENCE
- - - EXISTING GUARDRAIL
- - - EXISTING WOOD FENCE
- - - EXISTING RAILROAD TRACK
- - - EXISTING OVERHEAD WIRE
- EXISTING CATCH BASIN
- PROPOSED TRUCK TRAFFIC FLOW
- ▨ PROPOSED CRUSHED CONCRETE STOCKPILE AREA
- ▧ PROPOSED BROKEN CONCRETE STOCKPILE AREA
- - - REQUIRED OPERATIONAL SETBACKS



DRAFT

<p>NTH Consultants, Ltd. Infrastructure Engineering and Environmental Services</p>	<p>DATE: 4/3/2018 DRAWN BY: SLG CHECKED BY: SLG SCALE: 1" = 100'</p>	<p>PROJECT NO.: 62-180132 DATE: 3/26/2018 DRL</p>	<p>PRELIMINARY SITE PLAN <i>for operational plan</i></p> <p>GREENFIELD SUPPLY CENTER LLC DETROIT, MICHIGAN</p>
	<p>FIGURE: 2</p>		

APPENDIX A

Greenfield Supply Center LLC

Potential to Emit based on maximum permitted production of 3,066,000tons/yr

Roadway Emissions 3-05-002-90

Unpaved Roadway Emission Factor, AP-42(2006) section 13.2.2 eqn (1a)

Emission Factor = $k \cdot (s/12)^{0.9} \cdot (W/3)^{0.45}$ lb/VMT

Description	PM10 Particle Size, k	Silt Content, s	Avg. Vehicle Speed (mph), S	Avg. Vehicle Weight (tons), W	PM10 Emission Factor, lbs/vmt
Aggregate trucks	1.5	4.8	10	44	2.20
loader	1.5	4.8	10	28	1.80

Silt content from sand & gravel processing value

Roadway, Actual Emissions

Description	Round Trip Distance, miles/trip	No. trips/yr	Miles/yr	PM10 Emission Factor, lb/vmt	Control Efficiency, %	PM10 emissions, tons/yr
Aggregate trucks unpaved (delivery)	0.35978	69682	25070	2.20	80	5.52
Customer Trucks unpaved	0.35978	69682	25070	2.20	80	5.52
loader unpaved	0.189358	109500	109500	1.80	80	19.67
<i>control is watering/dust suppression/sweeping</i>			159640	Total		30.71

Storage Piles, 3-05-002-03

Wind Erosion, from USEPA's Control of Open Fugitive Dust Sources, sept 1988

assume a maximum of 3 acres of storage

s (silt content) = 3.9 AP-42 table 13.2.4-1; stone quarrying, various limestone products
 p (#days w/>0.01" rain) = 130 default
 f (%time wind exceed 12mph) = 30 default
 $E = 1.7 \cdot (s/1.5) \cdot [(365-p)/235] \cdot (f/15)$ lb/day/acre
 E = 8.84 lbs/day/acre
 Acres of storage = 4 acres maximum acreage
 PM Emissions (365 days) = 6.45 tons/yr
PM10 Emissions = 3.07 tons/yr assume 2.1 PM10=PM from AP-42 ratio for aggregate processing

Aggregate Handling and Storage Piles, AP-42 Section 13.2.4(2006)

Load in is accomplished by haul truck, loadout by front end loaders,

U (mean wind speed)= 9.7 mph [www.weatherbase.com\(3/7/2018\)](http://www.weatherbase.com(3/7/2018))
 M (moisture content) = 2.1 % table 13.2.4-1; stone quarrying, various limestone products
 k (particle size multiplier) = 0.35
 Emission Factor = $k \cdot 0.0032 \cdot (U/5)^{1.3} / (M/2)^{1.4}$ lb/ton
 Emission Factor = 0.002476 lb PM10/ton

PM10 Emissions = 1.11 tons PM10/yr

TOTAL Emissions (storage pile and roadway) =	34.89 tons PM10/yr
---	---------------------------

Aggregate Processing

Air Emission Source	Rated Capacity, TPH	Capacity, TPY	PM10 EF, lb/ton	PM10 emissions, tons/yr
Loader to Feeder*	350	3066000	0.000016	0.024528
Grizzly Feeder	350	3066000	0.000740	1.134420
Feeder to Crusher KCC-1	350	3066000	0.000046	0.070518
Crusher, KCC-1	350	3066000	0.000540	0.827820
Crusher to KCC-1	350	3066000	0.000046	0.070518
KCC-1 to KCC-4	350	3066000	0.000046	0.070518

KCC-4 to screen KCC-2	350	3066000	0.000046	0.070518
Screen, KCC-2	350	3066000	0.000740	1.134420
KCC-2 to KCC-3	350	3066000	0.000046	0.070518
KCC-3 to KCC-1	350	3066000	0.000046	0.070518
KCC-2 to KCC-5	350	3066000	0.000046	0.070518
KCC-2 to KCC-6	350	3066000	0.000046	0.070518

AP-42 11.19.2-2, 8/04

3.685332

Rail Unloading

Emission Point	Rated Capacity, TPH	Capacity, TPY	PM10 EF, lb/ton	PM10 emissions, tons/yr
Rail to Feeder	350	3066000	0.000016	0.024528
Feeder to Conv 1	350	3066000	0.000046	0.070518

AP-42 11.19.2-2, 8/04

0.095046

TOTAL PM10 EMISSIONS	Tons/Yr
Rail and Storage Piles	34.89
Aggregate Processing	3.69
Rail Unloading	0.10

38.67

APPENDIX C

**Greenfield Supply Center 12625 Greenfield Road
Daily Roadway/Stockpile/Crusher Dust Suppression Form**

Date of Inspection: ____ / ____ / ____ Time: _____ Employee: _____

Weather Conditions (temperature, wind speed, wind direction)

1. Is there Dust from roadways observed?

Yes: ____ If Yes, Indicate each Road segment On Map On Back of Form: _____ No: ____

If yes to above, record actions taken: Sweeping: ____ Road segment(s): _____
Chloride: ____ Road segment(s): _____
Water Truck: ____ Road segment(s): _____
Slow Trucks Down To 5 mph: _____
Limit Activities to necessary operations: _____

2. Is there Dust from Stockpiles/Load-In/ Load-out observed?

Yes: ____ If Yes, Indicate Stockpile Locations On Map On Back of Form. # of piles inspected ____ No: ____

If yes to above, record actions taken: Water Sprays: _____
Drop Conveyor Height Needed? _____
Limit Load in or Load Out Needed? _____

3. Is there Dust from Crusher/Conveyors Observed?

Yes: ____ If Yes, Indicate location on Back of Form: _____ No: ____

If yes to above, record actions taken: Water Sprays: ____ Plant segment(s): _____
Drop Conveyor Height: _____
Water Truck: ____ Road segment(s): _____

4. Is there any Debris observed on the Rumble Strips?

Yes: ____ No: ____

If yes to above, record actions taken: _____

5. Is any maintenance needed on the Sweeper Brushes?

Yes: ____ No: ____

If yes to above, record actions taken: _____

Comments: _____

APPENDIX D



NTH CONSULTANTS, LLC
Infrastructure Engineering and Environmental Services

Normal, MI 48856-5500
Detroit, MI 48226-3900
Canton, MI 48105-1700
Cleveland, OH 44115-4040

REV.	DESCRIPTION	DATE BY
1	ISSUING FOR REVIEW	4/29/2018

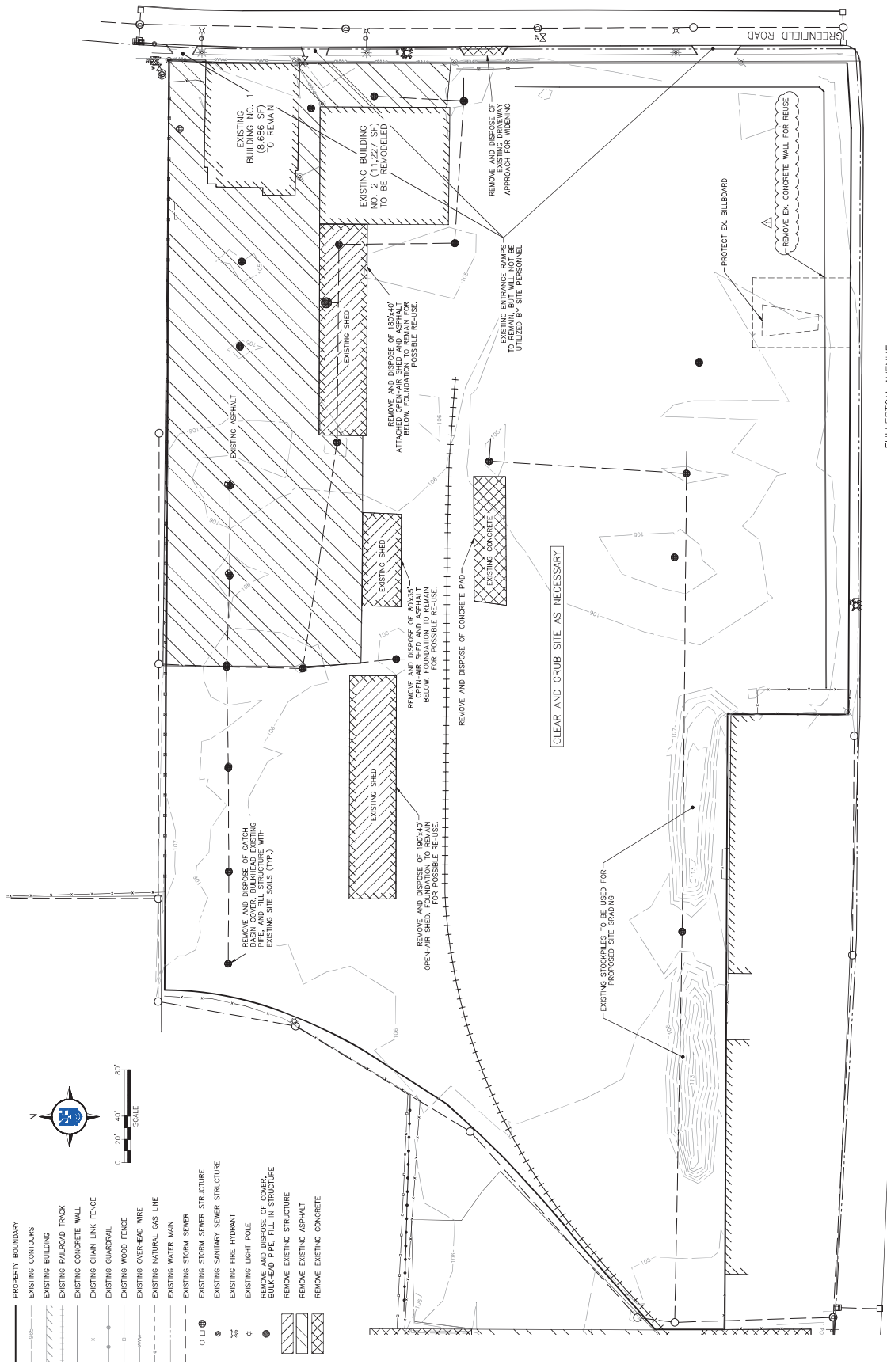
PROJECT NAME:
GREENFIELD SUPPLY CENTER SITE DEVELOPMENT

PROJECT LOCATION:
12625 GREENFIELD ROAD
DETROIT, MICHIGAN 48228

WT PROJECT NO.	CAD FILE NAME
8108070	180125EX
8108070	8/1/2018
NAME	5/1/2018
DRAWN BY	
DATE	
SCALE	
DATE	
DATE	

SHEET TITLE:
EXISTING SITE AND DEMOLITION PLAN

SHEET REFERENCE NUMBER:
C-103



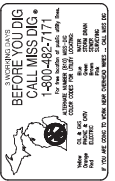
LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOURS
- EXISTING BUILDING
- EXISTING RAILROAD TRACK
- EXISTING CONCRETE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GUARDRAIL
- EXISTING WOOD FENCE
- EXISTING OVERHEAD WIRE
- EXISTING NATURAL GAS LINE
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING STORM SEWER STRUCTURE
- EXISTING SANITARY SEWER STRUCTURE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- REMOVE AND DISPOSE OF COVER BULKHEAD PIPE, FILL IN STRUCTURE
- REMOVE EXISTING STRUCTURE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE



DEMOLITION NOTES

1. ALL EXISTING ASPHALT TO BE REMOVED SHALL BE MILLED AND DISPOSED IN AN ENVIRONMENTALLY LEGAL MANNER OR AT ON-SITE LOCATIONS DETERMINED BY OWNER.
2. PRIOR TO PERFORMING ANY SOIL UNDERCUTTING, THE CONTRACTOR SHALL DRY SOILS AS DIRECTED BY FIELD ENGINEER.
3. PRIOR TO ANY OFF-SITE SOIL OR DEMOLITION DEBRIS REMOVAL, CHARACTERIZE AND MANIFEST ALL WASTES IN ACCORDANCE WITH LEGAL AND OWNER REQUIREMENTS; RELOCATE SPOILS ON-SITE, AS DIRECTED BY THE OWNER.



ISSUED FOR REVIEW

FULLERTON AVENUE

GREENFIELD ROAD

PROTECT EX. BILLBOARD

REMOVE EX. CONCRETE WALL FOR REUSE

REMOVE AND DISPOSE OF EXISTING DRIVEWAY APPROACH FOR WIDENING

EXISTING ENTRANCE RAMPS TO REMAIN, BUT WILL NOT BE UTILIZED BY SITE PERSONNEL

REMOVE AND DISPOSE OF 180x240\"/>

REMOVE AND DISPOSE OF 80x20\"/>

REMOVE AND DISPOSE OF 80x20\"/>

REMOVE AND DISPOSE OF 180x240\"/>

REMOVE AND DISPOSE OF 80x20\"/>

REMOVE AND DISPOSE OF 80x20\"/>

REMOVE AND DISPOSE OF 80x20\"/>

CLEAR AND GRUB SITE AS NECESSARY

EXISTING STOCKPILES TO BE USED FOR PROPOSED SITE GRADING



NTH Consultants, LLC
Infrastructure Engineering and Environmental Services
Norwalk, MI 48465-0000
Detroit, MI 48207-3900
Canton, MI 48105-1700
Cleveland, OH 44115-4040

REV.	DESCRIPTION	DATE BY
1	ISSUED FOR REVIEW	4/29/2018

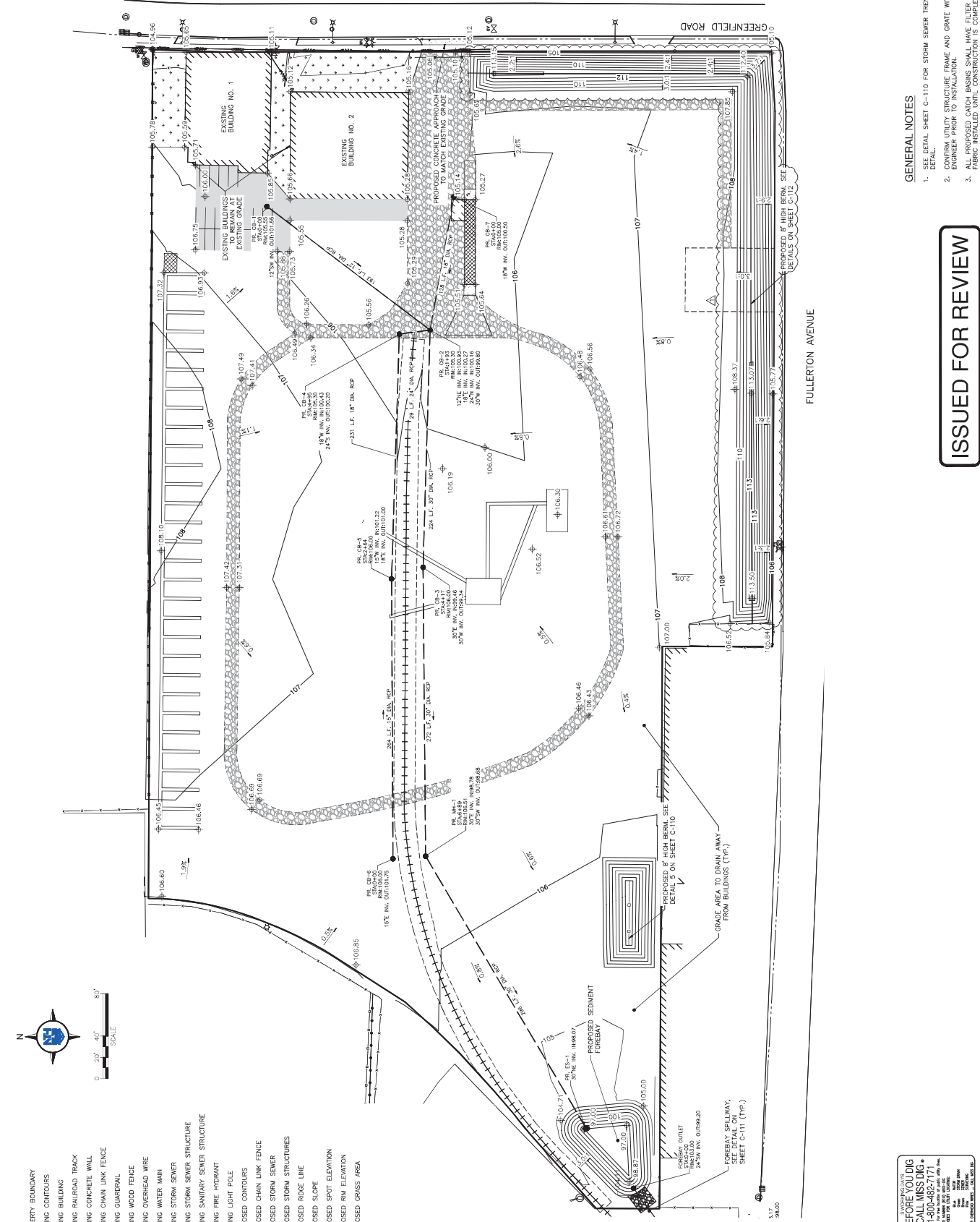
PROJECT NAME:
GREENFIELD SUPPLY CENTER SITE DEVELOPMENT

PROJECT LOCATION:
12625 GREENFIELD ROAD
DETROIT, MI 48227

NO.	DATE	BY	APP. BY
1	4/29/2018	XX	XX
2	5/1/2018	XX	XX
3	5/1/2018	XX	XX
4	5/1/2018	XX	XX
5	5/1/2018	XX	XX
6	5/1/2018	XX	XX
7	5/1/2018	XX	XX
8	5/1/2018	XX	XX
9	5/1/2018	XX	XX
10	5/1/2018	XX	XX
11	5/1/2018	XX	XX
12	5/1/2018	XX	XX
13	5/1/2018	XX	XX
14	5/1/2018	XX	XX
15	5/1/2018	XX	XX
16	5/1/2018	XX	XX
17	5/1/2018	XX	XX
18	5/1/2018	XX	XX
19	5/1/2018	XX	XX
20	5/1/2018	XX	XX
21	5/1/2018	XX	XX
22	5/1/2018	XX	XX
23	5/1/2018	XX	XX
24	5/1/2018	XX	XX
25	5/1/2018	XX	XX
26	5/1/2018	XX	XX
27	5/1/2018	XX	XX
28	5/1/2018	XX	XX
29	5/1/2018	XX	XX
30	5/1/2018	XX	XX
31	5/1/2018	XX	XX
32	5/1/2018	XX	XX
33	5/1/2018	XX	XX
34	5/1/2018	XX	XX
35	5/1/2018	XX	XX
36	5/1/2018	XX	XX
37	5/1/2018	XX	XX
38	5/1/2018	XX	XX
39	5/1/2018	XX	XX
40	5/1/2018	XX	XX
41	5/1/2018	XX	XX
42	5/1/2018	XX	XX
43	5/1/2018	XX	XX
44	5/1/2018	XX	XX
45	5/1/2018	XX	XX
46	5/1/2018	XX	XX
47	5/1/2018	XX	XX
48	5/1/2018	XX	XX
49	5/1/2018	XX	XX
50	5/1/2018	XX	XX
51	5/1/2018	XX	XX
52	5/1/2018	XX	XX
53	5/1/2018	XX	XX
54	5/1/2018	XX	XX
55	5/1/2018	XX	XX
56	5/1/2018	XX	XX
57	5/1/2018	XX	XX
58	5/1/2018	XX	XX
59	5/1/2018	XX	XX
60	5/1/2018	XX	XX
61	5/1/2018	XX	XX
62	5/1/2018	XX	XX
63	5/1/2018	XX	XX
64	5/1/2018	XX	XX
65	5/1/2018	XX	XX
66	5/1/2018	XX	XX
67	5/1/2018	XX	XX
68	5/1/2018	XX	XX
69	5/1/2018	XX	XX
70	5/1/2018	XX	XX
71	5/1/2018	XX	XX
72	5/1/2018	XX	XX
73	5/1/2018	XX	XX
74	5/1/2018	XX	XX
75	5/1/2018	XX	XX
76	5/1/2018	XX	XX
77	5/1/2018	XX	XX
78	5/1/2018	XX	XX
79	5/1/2018	XX	XX
80	5/1/2018	XX	XX
81	5/1/2018	XX	XX
82	5/1/2018	XX	XX
83	5/1/2018	XX	XX
84	5/1/2018	XX	XX
85	5/1/2018	XX	XX
86	5/1/2018	XX	XX
87	5/1/2018	XX	XX
88	5/1/2018	XX	XX
89	5/1/2018	XX	XX
90	5/1/2018	XX	XX
91	5/1/2018	XX	XX
92	5/1/2018	XX	XX
93	5/1/2018	XX	XX
94	5/1/2018	XX	XX
95	5/1/2018	XX	XX
96	5/1/2018	XX	XX
97	5/1/2018	XX	XX
98	5/1/2018	XX	XX
99	5/1/2018	XX	XX
100	5/1/2018	XX	XX

SHEET TITLE:
GRADING AND UTILITY PLAN

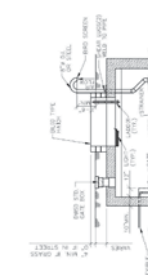
SHEET REFERENCE NUMBER:
C-105



GENERAL NOTES

1. SEE DETAIL SHEET C-110 FOR STORM SEWER TRENCH DETAIL.
2. CONFIRM UTILITY STRUCTURE FRAME AND GRATE WITH ENGINEER PRIOR TO INSTALLATION.
3. ALL PROPOSED CATCH BASINS SHALL HAVE FILTER FABRIC INSTALLED UNTIL CONSTRUCTION IS COMPLETE.

ISSUED FOR REVIEW



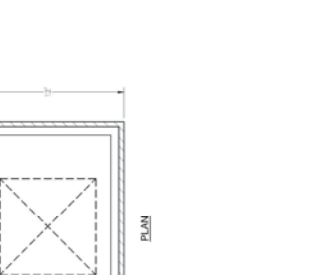
1 ROAD/PARKING SURFACE
 NOT TO SCALE



2 CONCRETE PAVEMENT DETAIL
 NOT TO SCALE



3 STORM SEWER TRENCH
 NOT TO SCALE



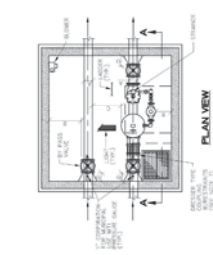
4 FENCE DETAIL
 NOT TO SCALE



5 PERIMETER BERM DETAIL
 NOT TO SCALE



6 DUMPSTER ENCLOSURE
 NOT TO SCALE



7 METER VAULT
 NOT TO SCALE



PLAN VIEW

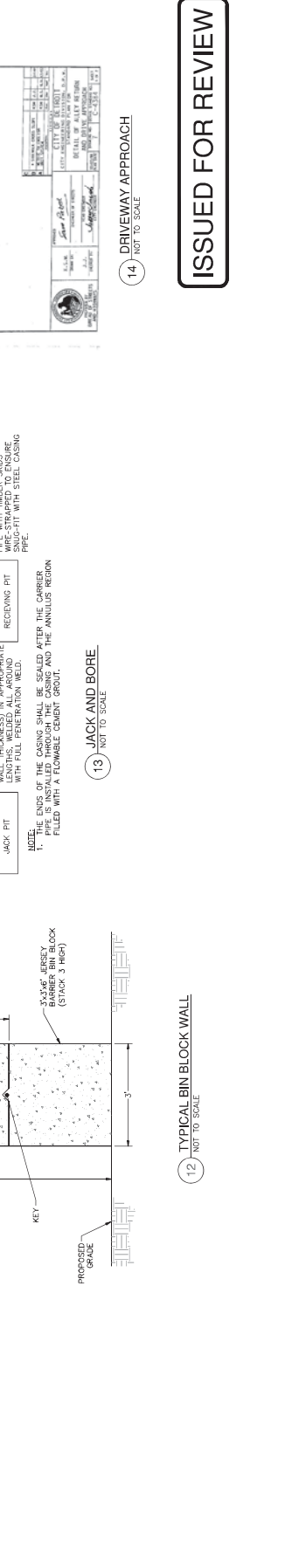
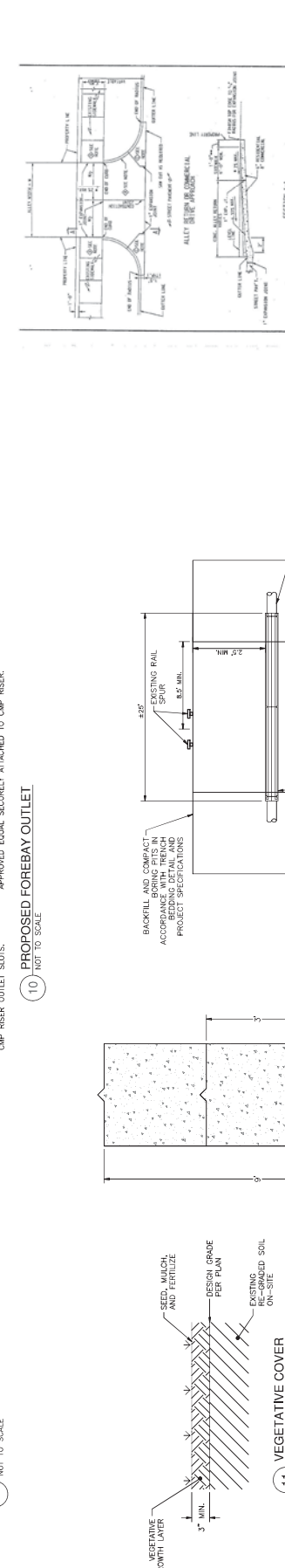
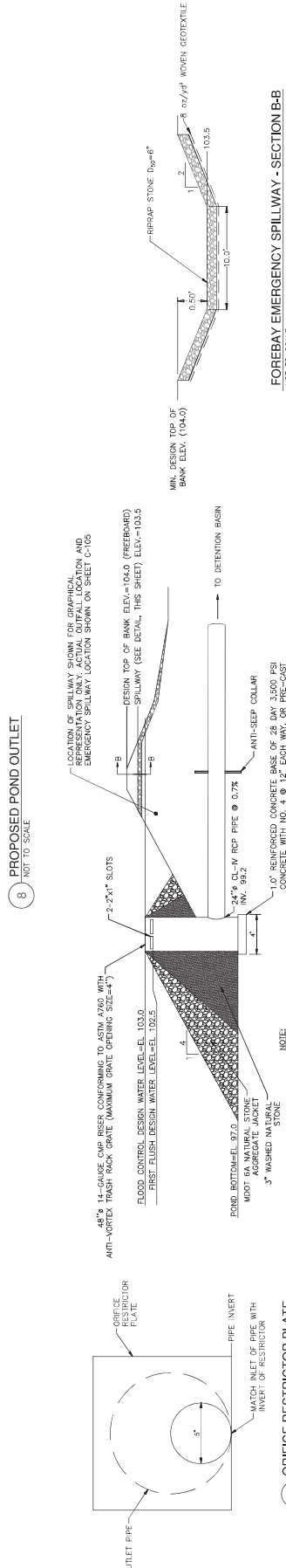
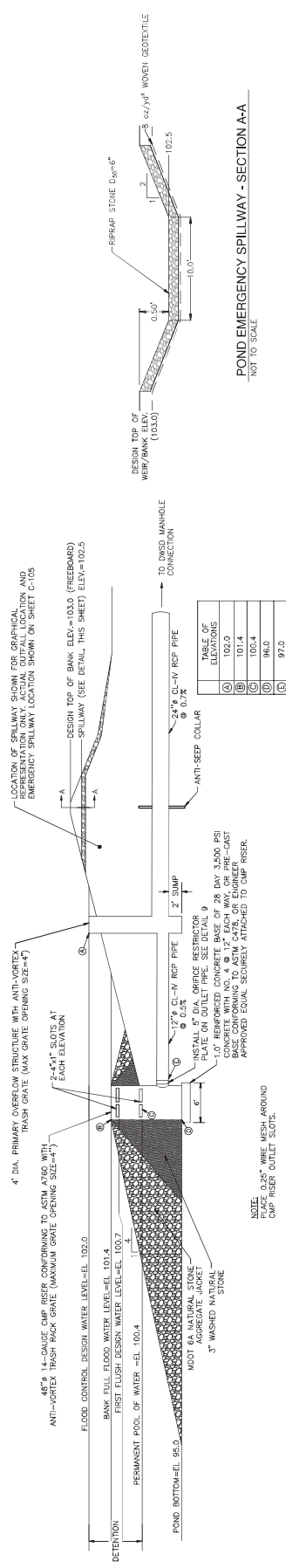


SECTION A-A

SEE 'THUNDER METER VAULT' SHEET FOR ADDITIONAL INFORMATION.

STANDARD METER VAULT NOTES

1. METER VAULT SHALL BE CONSTRUCTED WITH 4000 PSI FLEXURAL STRENGTH AND 6000 PSI COMPRESSIVE STRENGTH CONCRETE. ALL REINFORCEMENT SHALL BE #4 BARS. ALL REINFORCEMENT SHALL BE PLACED AT 12\"/>



PROJECT LOCATION:
GREENFIELD SUPPLY
CENTER SITE
DEVELOPMENT

PROJECT NO.: 12625 GREENFIELD ROAD
DETROIT, MI 48227

DATE: 5/1/2018

SCALE: 1" = 10'-0"

PROJECT NO.: 180123C001
DATE: 5/1/2018
SCALE: 1" = 10'-0"

PROJECT NO.: 180123C001
DATE: 5/1/2018
SCALE: 1" = 10'-0"

DRIVEWAY APPROACH
14) NOT TO SCALE

ISSUED FOR REVIEW

C-111

EXHIBIT F

OF

CONSENT AGREEMENT

Mr. Anthony Calo
Greenfield Supply Company
7871 Chubb Road
Northville, Michigan 48168

April 3, 2024
NTH Project No. 22000600-00

**RE: Pile Height Compliance
Greenfield Supply Center
Detroit, Michigan**

Dear Mr. Calo:

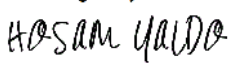
Per our conversation, today I visited the site of the above referenced facility. The purpose of the visit was to observe the conditions of the site at and near the topsoil, 21AA and broken concrete materials stockpiles. Specifically, the observations were related to any signs of movement or instability as a result of the current stockpile footprints and heights. The observations included the piles themselves, the ground surface and pavement around and near the piles, as well as the roads and perimeter fences and poles. Based on my observations, there was no evidence of soil instability such as deep cracks, scarps, bulging, settlement, or tilting of any site features.

Based on my observations, and on the information and analyses included in the NTH Geotechnical Investigation Report dated June 6, 2023, it is my professional opinion that there is no immediate danger of collapse of the stockpiles due to failure of the underlying soils at this time, as they are currently configured.

I hope this letter satisfies your present needs. If you have any questions or need additional assistance, please contact me.

Sincerely,

NTH Consultants, Ltd.

DocuSigned by:

498D466AAB55469...

Hosam Yaldo, P.E.
Senior Principal Engineer

HSY/mlk

CC: Luay Al-Durzi, P.E. – NTH Consultants, Ltd.