

MINUTES – UNOFFICIAL UNTIL APPROVED
KENDALL COUNTY
ZONING BOARD OF APPEALS MEETING
111 WEST FOX STREET, COUNTY BOARD ROOM (ROOMS 209 and 210)
YORKVILLE, IL 60560
May 31, 2022 – 7:00 p.m.

CALL TO ORDER

Chairman Randy Mohr called the Zoning Board of Appeals meeting to order at 7:02 p.m.

ROLL CALL:

Members Present: Cliff Fox, Tom LeCuyer (arrived at 7:14 p.m.), Randy Mohr, Dick Thompson, and Anne Vickery (left at 8:36 p.m.)

Members Absent: Scott Cherry and Dick Whitfield

Staff Present: Matthew Asselmeier, AICP, CFM, Senior Planner

Others Present: Jeremy Dippold, Samantha Dippold, Boyd Ingemunson, Tim O'Brien, Tom Fleming, Sheila Trost, Paul Scholtes, Joe Frescura, Pat Frescura, Ramiro Guzman, Kim Larkin, Mark Fecht, and Seth Wormley

PETITIONS

The Zoning Board of Appeals started their review of Petition 22-10 at 7:03 p.m.

Petition 22 – 10 – Mark Fecht on Behalf of Fecht Brothers, Inc. (Property Owner) and Jeremy and Samantha Dippold on Behalf of Best Budget Tree, LLC (Contract Purchaser)

Request: Special Use Permit for a Landscaping Business

PINs: 09-15-200-003

Location: North Side of Route 52 Across from 2190 and 2200 Route 52, Minooka in Seward Township

Purpose: Petitioners Want to Operate a Tree Service and Landscaping Business at the Property; Property is Zoned A-1

Mr. Asselmeier summarized the request.

Best Budget Tree, LLC would like to purchase the subject property from Fecht Brothers Inc. in order to operate a tree and landscaping business at the property.

Best Budget Tree, LLC has been in existence for over ten (10) years.

The application materials, site plan, landscaping plan, stormwater plans, and renderings of the proposed building were provided.

The property is on the north side of Route 52 across from 2190 and 2200 Route 52.

The property is approximately forty-eight (48) acres in size.

The property is zoned A-1 Agricultural.

The County's Future Land Use Map calls for the property to be Rural Residential (Max 0.65 Du/Acre). Shorewood's Future Land Use Map calls for the property to be Residential and Commercial.

Route 52 is a State maintained Arterial road.

Joliet has a trail planned along Route 52, but Joliet does not want a right-of-way dedication at this time; an email to that effect was provided.

There are no floodplains on the property. There is a wetland near the northwest corner of the property.

The adjacent land uses are Agricultural and Single-Family Residential.

The adjacent properties are zoned A-1 and R-3.

The County's Future Land Use Map calls for the area to be Commercial, Rural Residential, and Suburban Residential. Joliet's Future Land Use Map calls for the area to be Residential. Shorewood's Future Land Use Map calls for the area to be Residential and Commercial.

The nearby properties are zoned A-1, A-1 SU, and R-1, and R-3.

The A-1 special use permit to the west is for the sale of agricultural products not grown on the premises.

EcoCAT Report was submitted on April 15, 2022, and indicated the following protected resources:

Aux Sable Creek INAI Site

Greater Redhorse (*Moxostoma valenciennesi*)

The Illinois Department of Conservation determined that negative impacts were unlikely and consultation was terminated on April 18, 2022.

The application for NRI was submitted April 21, 2022. The LESA Score was 210 indicating a medium level of protection. The NRI Report was provided.

Petition information was sent to Seward Township on April 25, 2022. The Seward Township Planning Commission reviewed the proposal in May 2022. They expressed concerns about the location of lighting with respect to the adjacent homes. The Seward Township Planning Commission recommended approval of the request. An email to that effect was provided. The Seward Township Board met on May 28, 2022 and recommended denial on a vote of three (3) in favor and one (1) in opposition. The Township Board recommended denial because of concerns related to decreased property values, noise, pollution concerns, the presence of containers for storage, fire issues, the impact of the use on the existing pipelines, and enforcement of conditions by the County. The minutes of the meeting were provided.

Petition information was sent to the Village of Shorewood on April 25, 2022. On May 4, 2022, the Village of Shorewood submitted an email saying they did not want to request a right-of-way dedication for a biking/walking trail. This email was provided.

Petition information was sent to the Minooka Fire Protection District on April 25, 2022. On May 5 and 6, 2022, the Minooka Fire Protection District submitted a letter and email requesting a fire alarm system that meets applicable codes, no smoking signs near the mulch pile, a dry fire hydrant, and signage properly marking the address of the property. The letter and email were provided. The Petitioners were agreeable to this request.

The Kendall County ZPAC reviewed this Petition at their meeting on May 3, 2022. Mr. Klaas asked if the six inch (6") pipe shown on the plans went to Route 52. John Tebrugge, Petitioners' Engineer, said the pipe goes almost to Route 52. The Petitioners had not received final access approval from the Illinois Department of Transportation; they will not get final approval until they (the Dippolds) own the property. The Petitioners understood that any buildings constructed on the property would not be eligible for agricultural building permit exemptions. Based on the information provided, the well would not be a non-community well. The Petitioners were advised to design the septic system for maximum load. The Petitioners were advised to identify on the site plan where lights would be placed. The Petitioners had no plans to use the access off of Arbeiter Road. The land comes with building allocations. ZPAC recommended approval of the proposal by a vote of six (6) in favor and zero (0) in opposition with four (4) members absent. The minutes were provided.

The Kendall County Regional Planning Commission reviewed this Petition at their meeting on May 25, 2022.

Chairman Ashton asked if the Minooka Fire Protection District wanted just an alarm system or if the request was to have the building sprinklered. Mr. Asselmeier responded just an alarm system.

Member Wilson asked how the Petitioners were going to manage the mulch pile and if mulch would be sold. Jeremy Dippold, Petitioner, said the mulch would be installed on off-site locations. They would have several small piles. The maximum height of the mulch piles would be twelve feet (12') because of the company's equipment.

Member Casey asked where the business was currently located. Mr. Dippold responded Renwick Road and Interstate 55. Mr. Dippold said the proposed location would look better than the existing location because no inside storage exists at their current location.

Member Casey asked about possible expansion. Mr. Asselmeier said, if the Petitioners expanded into the farmland beyond the area identified on the site plan, an amendment to the special use permit would be required.

Discussion occurred regarding the access point off of Arbeiter Road. The access would remain to allow a farmer to get their equipment into the field. Based on the plans, it appeared difficult for a farmer to get equipment to north portion of the property using the access off of Route 52. Equipment could be driven through the parking lot. The current owner would continue to farm the property after the Dippolds acquire the property.

Joe Frescura requested that the proposal be denied for the following reasons:

1. The business has no noise control plan; wood chippers would exceed the noise requirements in the proposed special use permit. He provided pictures of the height of mulch piles at the business' current location. The trees proposed on the site plan will not reach full height for ten (10) years and will not provide a full noise buffer until that time.
2. The dyed mulch will jeopardize local wells, waterways, and wetlands.
3. Inclusion of access to Arbeiter Road; he would like to see the access point removed. He also discussed burning at other landscaping businesses.
4. There are several containers at the Petitioners' current operating location. He was concerned about the placement of the containers turning the area into an industrial park and causing a decrease in property values in the area.
5. He noted that five (5) landscaping business have special use permits in Seward Township. These existing special uses are not located near homes like the proposed special use.
6. He expressed concerns regarding the soils to support a septic system.
7. He expressed concerns regarding burning on the property and the possible intermingling of onsite and offsite generated materials in a burn pile.
8. He noted that the LESA Score was 210. He argued the property should be retained for farming.

Mr. Dippold said chippers would not be used onsite; they would be at customers' homes. He explained the mulch dyeing process; the dyed mulch is not hazardous. He did not want burning on the property. He has three (3) containers which are used for storage; the containers would be replaced with the building. He was agreeable to a condition not allowing shipping containers on the property. He did not anticipate operating at the site until July 2023. He has no interest in using Arbeiter Road to access the property for the business.

Anne Vickery noted this proposal would be the sixth (6th) landscaping special use in Seward Township. She asked if anyone on the Board would like to live next to this type of use. She also noted that the property was planned to be residential. She asked who would enforce the regulations; she noted burning at another landscaping business.

Robert Delaney said the area was a residential area and should remain a residential area. He questioned the need to have a large amount of acreage used for the proposed use.

Pat Frescura said that she has lived in the area for over fifty (50) years. She noted the time, investment, and pride in her property. She was against having the proposed use near her property. She wanted to keep the land as farmland. She said that she was unaware of the Seward Township Planning Commission's meeting.

Jim Martin, Seward Township Trustee, said the Seward Township Planning Commission did not forward a recommendation to the Township Board. The Township Board did not vote on this proposal.

Tim O'Brien, Seward Township Supervisor, said the Seward Township Planning Commission did not forward a recommendation to the Township Board.

It was noted that the proposal would preserve agricultural uses on the majority of the property.

Dave Shively asked what A-1 meant. A-1 means agricultural. He discussed the repaving of Arbeiter Road. He asked about enforcement of burning regulations. Mr. Asselmeier explained that burning items brought onto the property was against State law. Mr. Shively favored keeping the property in farming. He favored a housing development instead of the proposed use.

Member Wilson favored having the proposal over houses.

Tony Guzman said that he bought his property because it was a residential area. He would like to see the property become a park. He likes the wildlife in the area. He felt the use was an industrial use.

Mr. Dippold asked if his proposal was any different than a farmer building grain bins with related noise and odors. He also noted that he was pursuing the zoning on the property the correct way.

Kim Larkin said that she did not want to look at this use in her backyard. She said that mulch has an odor. Discussion occurred regarding the smell of mulch. She expressed concerns about diminished property values.

Steve Papaeliou expressed his opposition to the containers on the property.

Mr. O'Brien requested the proposal be tabled proposal and sent back to Seward Township. Member Wilson wanted to know the opinion of the Township Board. Member Nelson noted the Petitioners followed the proper procedures to get to this point. Mr. Dippold opposed tabling the proposal because Mr. Fecht wants to close on the property quickly.

Member Nelson did not see much of a difference between the proposal and farming uses.

Member Wormley noted that a subdivision could be placed on the property at some point in the future, even if the special use permit was approved. He thought the proposal was a good proposal compared to other uses that could go on the property.

The Kendall Regional Planning Commission voted to recommend approval of the proposal with an additional condition stating that no storage containers would be allowed on the subject property by a vote of seven (7) in favor and one (1) in opposition with one (1) member absent. The minutes of the meeting were provided.

Member LeCuyer arrived at this time (7:14 p.m.).

Per Section 7:01.D.30 of the Kendall County Zoning Ordinance, landscaping businesses can be special uses on A-1 zoned property subject to the following conditions:

1. All vehicles, equipment and materials associated with a landscaping business shall be stored entirely within an enclosed structure, unless otherwise permitted under the terms of this Special Use Permit.

2. The business shall be located on, and have direct access to, a State, County or Collector Highway as identified in the County's LRMP, having an all-weather surface, designed to accommodate loads of at least seventy-three thousand, two hundred eighty pounds (73,280 lbs.), unless otherwise approved in writing by the agency having jurisdiction over said Highway. Such approvals shall establish limitations as to the number of employees and types of vehicles coming to and from the site that are engaged in the operation of the use (including delivery vehicles). These restrictions shall be included as controlling conditions of the Special Use.
3. No landscape waste generated off the property can be burned on this site.

If the County Board approves the outdoor storage of materials, the above conditions have been met.

According to the business plan, the business currently operates two (2) four (4) employee crews in April through October and one (1) four (4) employee crew in November through March. The Petitioners plan to hire four (4) additional employees, if business increases. Employees arrive at the property at approximately 7:30 a.m., go to work sites, and return to the property between 3:30 p.m. and 4:00 p.m. Employees unload equipment and materials and leave between 4:30 p.m. and 5:00 p.m. The business operates on Monday through Fridays with an occasional Saturday.

Business equipment presently consists of two (2) bucket trucks, two (2) wood chippers, two (2) one (1) ton pickup trucks, two (2) utility trailers, two (2) spare pick-up trucks, and one (1) wheel leader tractor. When not in operation, the Petitioners plan to house vehicles and equipment inside the proposed approximately nine thousand six hundred (9,600) square foot building. Mulch and firewood piles would be placed on the gravel area as shown on the site plan and landscaping plan and would be piled a maximum twelve feet (12') in height. The Petitioners do not plan to store stone, brick, or rock at the property. Per the site plan, the gravel area is approximately ten point five (10.5) acres in size. If there is a motor vehicle or equipment related leak, the impacted gravel will be removed and replaced with clean gravel.

No retail services will be available at the property and retail customers will not be invited onto the property.

If approved, the Petitioners plan to start operations as quickly as possible.

One (1) approximately nine thousand six hundred (9,600) square foot building is proposed for the site in the location depicted on the site plan and landscaping plan. The building will look substantially like the provided rendering. The walls will be approximately sixteen feet (16') feet tall and the doors will be fourteen feet (14') in height. The peak of the building will be a maximum twenty-four feet (24').

Any structures related to the landscaping business would be required to obtain applicable building permits.

No well or septic system presently exists on the property. No other utilities are located on the property.

One (1) ten foot by ten foot (10' X 10') dumpster enclosure was shown on the site plan and landscaping plan east of the vehicle parking area.

The property drains to the south.

There is one (1) wetland located near the northwest corner of the property.

The site plan and landscaping plan show a proposed seventy-three thousand, nine hundred eighty-four (73,984) square foot wet bottom pond. At the deepest point, the pond will be sixteen feet (16') deep. The stormwater plan information was provided.

WBK Engineering submitted comments on the proposal. This letter was provided. These comments will have to be addressed prior to the issuance of a stormwater management permit.

Per the site plan and landscaping plan, the Petitioners plan to install one (1) thirty foot (30') wide gravel driveway. The driveway will be approximately forty-eight feet (48') from the western property line.

According to site plan and landscaping plan, the Petitioners plan to install two (2) parking areas. One (1) parking area is planned south of the building and the other parking area is planned west of the building. The total number of parking spaces is twenty-one (21) including one (1) handicapped accessible parking space.

Three (3) pipeline easements exist on the property.

No existing lighting is located on the property.

At the time of the ZPAC meeting and Seward Township Planning Commission meeting, the Petitioners had not submitted a lighting plan. The lighting plan shows one (1) free standing light near the south parking lot and six (6) lights on the building. Based on the photometrics provided, no light would cross the property lines. The lighting plan was provided.

Per Section 11:02.F.12.e, of the Kendall County Zoning Ordinance, the maximum height for the freestanding light is twenty feet (20').

According to the site plan and landscaping plan, one (1) non-illuminated sign is proposed between the gravel driveway and the western property line. No information was provided regarding sign dimensions or height. Per Section 12:08.A. of the Kendall County Zoning Ordinance, the total maximum allowable signage is thirty-two (32) square feet of gross surface area.

No security information was provided.

The landscaping plan shows one hundred fifty (150) white pines along the perimeter of the property. The white pines will be three (3') feet at the time of planting and will grow to between fifty feet (50') and eighty feet (80'). Ten (10) deciduous trees are planned along the perimeter of the pond. The trees will be one and one half inches (1.5") at the time of planting. The landscaping plan also calls for a seed mix of Kentucky blue grass and turf type perennial grass around the pond and along the gravel driveway. Vegetation will be installed after the gravel and pond are installed.

The portion of the property not used for storage, building, driveway, or the pond will remain farmed. Most of the property will be farmed in 2022, which will delay the installation of the landscaping until 2023.

No information was provided regarding noise control.

No new odors are foreseen by the proposed use.

If approved, this would be the nineteenth (19th) special use permit for a landscaping business in unincorporated Kendall County.

The proposed Findings of Fact were as follows:

That the establishment, maintenance, or operation of the special use will not be detrimental to or endanger the public health, safety, morals, comfort, or general welfare. Provided the site is developed in accordance with the submitted site plan and landscaping plan, the operation of the special use will not be detrimental to the public health, safety, morals, comfort, or general welfare. Conditions may be placed in the special use permit ordinance to address hours of operation.

That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood. The Zoning classification of property within the general area of the property in question shall be considered in determining consistency with this standard. The proposed use shall make adequate provisions for appropriate buffers, landscaping, fencing, lighting, building materials, open space and other improvements necessary to insure that the proposed use does not adversely impact adjacent uses and is compatible with the surrounding area and/or the County as a whole. Appropriate restrictions may be placed in the special use permit to regulate the number of employees, hours of operation, site landscaping, lighting, and noise. Therefore, the neighboring property owners should not suffer loss in property values and the use will not negatively impact the adjacent land uses.

That adequate utilities, access roads and points of ingress and egress, drainage, and/or other necessary facilities have been or are being provided. If a stormwater management permit is issued based on the submitted materials, drainage should not be an issue. If the Illinois Department of Transportation approves the access, ingress and egress should not be an issue. Utilities will need to be extended and/or installed on the property.

That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the County Board pursuant to the recommendation of the Zoning Board of Appeals. This is true. No variances are required.

That the special use is consistent with the purpose and objectives of the Land Resource Management Plan and other adopted County or municipal plans and policies. True, the proposed use is consistent with an objective found on Page 9-21 of the Kendall County Land Resource Management Plan which calls for “a strong base of agricultural, commercial and industrial uses that provide a broad range of job opportunities, a healthy tax base, and improved quality of services to County residents”. Also, the Kendall County Future Land Use Map and the Village of Shorewood’s Future Land Use Map call for commercial uses near the intersection of Route 52 and Arbeiter Road.

Staff recommended approval of the special use permit for a landscaping business subject to the following conditions and restrictions:

1. The site shall be developed substantially in accordance with the submitted site plan, landscaping plan, and lighting plan **(amended after ZPAC)**.
2. The gravel area shown on the submitted site plan and landscaping plan shall not exceed ten point five (10.5) acres in size. The owners of the business allowed by this special use permit may reduce the amount of acreage covered by gravel.
3. The owners of the businesses allowed by this special use permit shall diligently monitor the property for leaks from equipment and vehicles parked and stored and items stored on the subject property and shall promptly clean up the site if leaks occur.
4. One (1) approximately nine thousand six hundred (9,600) square foot building may be installed on the subject property in substantially the location shown on the site plan. The building shall look substantially like the building depicted in the submitted rendering. The maximum height of the building shall be twenty-four feet (24').
5. Any new structures constructed or installed related to the business allowed by this special use permit on the property shall not be considered for agricultural purposes and must secure applicable building permits.
6. No business operations may commence at the subject property until an occupancy permit is issued for the building shown on the submitted site plan. No business operations may commence at the subject property until the parking stalls, dumpster enclosure, and wet bottom pond shown on the submitted site plan are installed. Business operations may commence at the subject property prior to the installation of vegetation shown on the submitted landscaping plan.
7. Equipment and vehicles related to the business allowed by the special use permit may be stored outdoors at the subject property during the hours the business is open and shall be stored indoors during non-business hours.
8. None of the vehicles or equipment parked or stored on the subject property related to the business allowed by the special use permit shall be considered agricultural vehicles or agricultural equipment.
9. All of the vehicles and equipment stored on the subject property related to the business allowed by the special use permit shall be maintained in good condition with no deflated tires and shall be licensed if required by law.
10. All landscape related materials shall be stored indoors or on the gravel area depicted on the site plan. The maximum height of the piles of landscaping related material shall be twelve feet (12') in height, unless otherwise restricted by a stormwater management permit. Stone, brick, and rock shall not be stored outdoors.
11. The size and depth of the wet bottom pond shall be governed by the stormwater management permit issued for the subject property.

12. One (1) two (2) sided non-illuminated sign may be installed on the location depicted on the submitted site plan.
13. At least two (2) no smoking signs shall be installed near the piles of landscaping related materials. **(added after ZPAC)**
14. One hundred fifty (150) white pines shall be installed in substantially the locations shown on the submitted landscaping plan. The white pines shall be a minimum of three feet (3') in height at the time of planting. The white pines shall be installed by June 30, 2023. Damaged or dead white pines shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the white pines.
15. Ten (10) deciduous trees shall be installed in substantially the locations shown on the submitted landscaping plan. The deciduous trees shall be a minimum one point five inches (1.5") in diameter at the time of planting. The deciduous trees shall be installed by June 30, 2023. Damaged or dead deciduous trees shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the deciduous trees.
16. The seed mix called for in the submitted landscaping plan shall be installed by June 30, 2023. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the seed mix.
17. No landscape waste generated off the property can be burned on the subject property.
18. A maximum of twenty (20) employees of the business allowed by this special use permit, including the owners of the business allowed by this special use permit, may report to this site for work. No employees shall engage in the sale of landscaping related materials on the property.
19. No retail customers of the business allowed by this special use permit shall be invited onto the property by anyone associated with the use allowed by this special use permit.
20. The hours of operation of the business allowed by this special use permit shall be Monday through Saturday from 7:30 a.m. until 5:00 p.m. The owners of the business allowed by this special use permit may reduce these hours of operation.
21. The noise regulations are as follows:

Day Hours: No person shall cause or allow the emission of sound during daytime hours (7:00 A.M. to 10:00 P.M.) from any noise source to any receiving residential land which exceeds sixty-five (65) dBA when measured at any point within such receiving residential land, provided; however, that point of measurement shall be on the property line of the complainant.

Night Hours: No person shall cause or allow the emission of sound during nighttime hours (10:00 P.M. to 7:00 A.M.) from any noise source to any receiving residential land which exceeds fifty-

five (55) dBA when measured at any point within such receiving residential land provided; however, that point of measurement shall be on the property line of the complainant.

EXEMPTION: Powered Equipment: Powered equipment, such as lawn mowers, small lawn and garden tools, riding tractors, and snow removal equipment which is necessary for the maintenance of property is exempted from the noise regulations between the hours of seven o'clock (7:00) A.M. and ten o'clock (10:00) P.M.

22. At least one (1) functioning fire extinguisher and one (1) first aid kit shall be on the subject property. Applicable signage stating the location of the fire extinguisher and first aid kit shall be placed on the subject property.
23. One dry hydrant shall be placed on the property **(added after ZPAC)**.
24. The maximum height of the light pole shown in the lighting plan shall be twenty feet (20') **(added after ZPAC)**.
25. No storage/shipping containers are allowed on the subject property **(added by the RPC)**.
26. The owners of the business allowed by this special use permit acknowledge and agree to follow Kendall County's Right to Farm Clause.
27. The property owner and operator of the business allowed by this special use permit shall follow all applicable Federal, State, and Local laws related to the operation of this type of business.
28. Failure to comply with one or more of the above conditions or restrictions could result in the amendment or revocation of the special use permit.
29. If one or more of the above conditions is declared invalid by a court of competent jurisdiction, the remaining conditions shall remain valid.
30. This special use permit shall be treated as a covenant running with the land and is binding on the successors, heirs, and assigns as to the same special use conducted on the property.

Member Fox asked about the powered equipment exemption. Mr. Asselmeier said the powered equipment exemption applies to equipment used to maintain the property and not to equipment related to the landscaping business.

Member Vickery asked if the landscaping business would also be in the snow moving business. Mr. Asselmeier said the Petitioners have not indicating if they will be in the snow removal business. The business would be governed by the hours of operation and maximum number of employee conditions in the special use permit.

Member Vickery asked why the site plan showed twenty-one parking spaces. Mr. Asselmeier responded that the number of parking spaces was dictated by the Zoning Ordinance.

Member Vickery asked if the area used for the business onsite could be expanded. Mr. Asselmeier responded that, if the Petitioners expanded the area used for the business, an amendment to the special use permit would be required.

Chairman Mohr asked about the zoning of the homes in the surrounding area. Mr. Asselmeier said most of the homes were zoned A-1, but two (2) homes were zoned R-3.

Member Vickery asked if the access point off of Arbeiter Road was owned or part of the subject property. Mr. Asselmeier responded yes.

Member Vickery noted that that one (1) municipality called for the area to be residential while another municipality called for the area to be residential and commercial. She questioned why the County would go against the wishes of the municipalities. Mr. Asselmeier said that the subject property was inside Shorewood's planning area and next to Joliet's planning area. Shorewood's plan called for the area to be residential and commercial.

Member Vickery noted that a wetland existed on the property.

Other than landscaping, no trees would be grown on the property.

Chairman Mohr opened the public hearing at 7:33 p.m.

Chairman Mohr swore in Boyd Ingemunson, Jeremy Dippold, Joe Frescura, Pat Frescura, Ramiro Guzman, Kim Larkin, Sheila Trost, Tim O'Brien, and Mark Fecht.

Boyd Ingemunson, Attorney for the Petitioners, said the Petitioners have gone above and beyond what is required of them in terms of planning and preparing for the proposal. He said the business is a tree processing company. Trees and chipping occurs offsite. Onsite, they make mulch and cut firewood for customers. No chipping occurs onsite. There are no by-products. No storage of landscaping materials like rock or grass clippings, will occur. He noted that the conditions were more restrictive than other special uses in the A-1 District. The Petitioners agreed to the conditions. He noted the buffer space and screening with trees.

Member Vickery asked if chipping would occur onsite. Mr. Ingemunson said chipping occurs offsite.

Mr. Ingemunson noted the safety guide for the mulch dyeing. He said table salt is more toxic than mulch dyeing.

Mr. Ingemunson said wood splitting would occur onsite with a hydraulic splitter.

Member Vickery asked about containers. Jeremy Dippold, Petitioner, said the reason for the building was to store equipment. No cargo containers would be needed if the building was constructed. He was agreeable to a condition not to have semi-trailers on the premises.

Chairman Mohr asked how long the business had been in existence on Renwick Road. Mr. Dippold responded 2012.

Chairman Mohr asked about the distance to existing residences at the business' current site. Mr. Dippold responded the current site was thirty-two (32) acres and across the entire frontage there is about a dozen homes. He has not received any complaints.

Chairman Mohr asked if the business will change because of the increased acreage. Mr. Dippold responded that he wanted additional room and have more organization.

Chairman Mohr asked if any employees self-report to sites. Mr. Dippold responded employees come to the business and take work vehicles to sites.

Mr. Dippold explained that he always overdoes in terms of room and space. He noted it was better to have multiple small piles of mulch.

Chairman Mohr said the subject property will eventually turn into houses.

Discussion occurred regarding moving the perimeter trees, with berms and more mature trees, along the boundary of the landscape business area instead of around the perimeter of the entire site. Mr. Dippold described tree growth and that trees root better on flat pieces of land.

Joe Frescura discussed the impact of the proposed use on property values. He said that no noise plan was provided. He discussed the removal of tree waste from the site. He discussed the wheel loader used by the Petitioners. This piece of equipment generates about 125 decibels. He said people purchased property in the area for the peace and quiet. Agricultural equipment is used episodically and not continually on the subject property. The proposed use is different than residential maintenance. He stated that the proposed use is close to residential houses, which is different than other intense agricultural and landscaping uses. Noise would decrease property values. It was noted that no noise study existed for the proposed use. The noise ordinance does not apply to agricultural uses. Mr. Asselmeier explained the enforcement of noise regulations. Mr. Frescura requested a noise study. He also noted that the amount of chemicals impact toxicity. He questioned how much water would be used to dilute chemicals. Loss of water would also negatively impact property values.

Pat Frescura said the property is zoned residential and agricultural and has been used for farming. She had a Realtor look at her property and said that her property would decrease in value by fifteen percent (15%) if the proposed use moved into the area. She said no one would benefit from this use, except the Petitioners. She noted the odors from the mulch, dust from truck traffic, noise, and burning would negatively impact the area. She said that complaints of burning against TZ Landscaping have been made and no enforcement occurs. She did not see a gain to the public from the proposed use. She noted that none of the existing landscaping businesses were close to existing homes. She noted that the Seward Township Board voted against the proposal. She noted the LESA Score was 210 making the land desirable for farming; lower score land should be used for business uses.

Discussion occurred regarding other landscaping businesses located near residences.

Ramiro Guzman said that he was also in the landscaping business, but did not operate out of his house. He loves the agriculture around his property. He did not think a business would locate in the area. He is

opposed to the proposal. He discussed the making of chips and mulch. He would like to know the power load of the grinder. The use will create a pile of dead branches; he questioned the height of piles of brush and logs. He was also concerned about the safety of local children because of the pond. He was also concerned about mulch fires. Mr. Dippold described his grinder; he said it makes minimal noise. He said his pond is no different than retention ponds in subdivision. He was not opposed to moving the screen of trees to around the landscaping business area only.

Sheila Trost questioned the public need for the proposed use. Chairman Mohr said there was not a public need and special use permits do not need to meet all of the LaSalle Factors, like zoning changes.

Kim Larkin felt the proposal did not meet the requirements of the LaSalle Factors. The business will not be open to the public and will not bring anything to the community or provide income to the County or Township. She said Kendall County does not come out when complaints are filed; she provided an example involving Animal Control and a dog in the area.

Mr. Frescura asked about buildings not being considered agricultural. Mr. Asselmeier explained that the conditions related to agricultural exempt buildings and agricultural exempt equipment were placed in special use permits to qualify that the use is not agricultural and needs to secure appropriate permits and follow rules for non-agricultural equipment. Mr. Frescura argued that the use is a manufacturing use and not an agricultural use.

Tim O'Brien, Seward Township Supervisor, noted that the Seward Township Board voted this proposal down by a three (3) to one (1) vote.

Mark Fecht, Property Owner and Petitioner, said the wetland is a farmed wetland. He said the soil is not the greatest soil; leaching was not likely. He discussed his hog operations and the property would be ideal for pig space. He felt operating a hog farm would more negatively impact property values than the proposed use. He felt that he might be able to get two thousand four hundred (2,400) hogs on the property. The property was not set up for irrigation.

Discussion occurred regarding the location of the pipelines. The pipelines are near the southern part of the property and are not near the proposed use area.

Chairman Mohr closed the public hearing at 8:19 p.m.

Mr. Asselmeier explained which districts landscaping businesses were allowed by special use.

Mr. Asselmeier was unaware if any of the other landscaping businesses manufactured mulch to the degree of the proposed use.

Member Vickery made a motion, seconded by Member Fox, to approve the following Finding:

That the establishment, maintenance, or operation of the special use will not be detrimental to or endanger the public health, safety, morals, comfort, or general welfare. Provided the site is developed in accordance with the submitted site plan and landscaping plan, the operation of the special use will

not be detrimental to the public health, safety, morals, comfort, or general welfare. Conditions may be placed in the special use permit ordinance to address hours of operation.

The votes were as follows:

Ayes (4): Fox, LeCuyer, Mohr, and Thompson
Nays (1): Vickery
Abstain (0): None
Absent (2): Cherry and Whitfield

The motion passed.

Member LeCuyer made a motion, seconded by Member Vickery, to approve the following Finding:

That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood. The Zoning classification of property within the general area of the property in question shall be considered in determining consistency with this standard. The proposed use shall make adequate provisions for appropriate buffers, landscaping, fencing, lighting, building materials, open space and other improvements necessary to insure that the proposed use does not adversely impact adjacent uses and is compatible with the surrounding area and/or the County as a whole. Appropriate restrictions may be placed in the special use permit to regulate the number of employees, hours of operation, site landscaping, lighting, and noise. Therefore, the neighboring property owners should not suffer loss in property values and the use will not negatively impact the adjacent land uses.

The votes were as follows:

Ayes (3): Fox, LeCuyer, and Thompson
Nays (2): Mohr and Vickery
Abstain (0): None
Absent (2): Cherry and Whitfield

The motion passed.

Member Thompson made a motion, seconded by Member Fox, to approve the following Finding:

That adequate utilities, access roads and points of ingress and egress, drainage, and/or other necessary facilities have been or are being provided. If a stormwater management permit is issued based on the submitted materials, drainage should not be an issue. If the Illinois Department of Transportation approves the access, ingress and egress should not be an issue. Utilities will need to be extended and/or installed on the property.

The votes were as follows:

Ayes (4): Fox, LeCuyer, Mohr, and Thompson
Nays (1): Vickery
Abstain (0): None
Absent (2): Cherry and Whitfield

The motion passed.

Member LeCuyer made a motion, seconded by Member Fox, to approve the following Finding:

That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the County Board pursuant to the recommendation of the Zoning Board of Appeals. This is true. No variances are required.

The votes were as follows:

Ayes (4): Fox, LeCuyer, Mohr, and Thompson
Nays (1): Vickery
Abstain (0): None
Absent (2): Cherry and Whitfield

The motion passed.

Member Fox made a motion, seconded by Member LeCuyer to approve the following Finding:

That the special use is consistent with the purpose and objectives of the Land Resource Management Plan and other adopted County or municipal plans and policies. True, the proposed use is consistent with an objective found on Page 9-21 of the Kendall County Land Resource Management Plan which calls for “a strong base of agricultural, commercial and industrial uses that provide a broad range of job opportunities, a healthy tax base, and improved quality of services to County residents”. Also, the Kendall County Future Land Use Map and the Village of Shorewood’s Future Land Use Map call for commercial uses near the intersection of Route 52 and Arbeiter Road.

The votes were as follows:

Ayes (3): Fox, LeCuyer, and Thompson
Nays (2): Mohr and Vickery
Abstain (0): None
Absent (2): Cherry and Whitfield

The motion passed.

Member Vickery requested that condition 25 be amended to include semi-trailers. There was no objection to this requested amendment.

Member Thompson suggested changing the number and location of trees. Mr. Asselmeier said that other conditions required the site and landscaping plan be developed in a certain way; those conditions would also need to be amended if the number and location of trees were changed. The consensus of the Board of was not make these changes.

Member LeCuyer made motion, seconded by Member Fox, to approve conditions for the special use permit with the amendment to condition 25 to not allow semi-trailers to be parked on the subject property.

Member Vickery said the people have spoken and the Board has not listened. She submitted her resignation from the Board. She left the meeting at this time (8:36 p.m.).

Chairman Mohr discussed the storage business on Route 71 that was withdrawn prior to final action because of the proximity of residences to proposed. He felt the proposed use was too close to residences and the use will change the look and feel of the area.

Mr. Asselmeier provided a history of landscaping businesses under the A-1 zoning district.

Discussion occurred regarding the differences between landscaping and forestry businesses.

The distance of the operations to existing homes was examined.

The votes were as follows:

Ayes (4): Fox, LeCuyer, Mohr, and Thompson

Nays (0): None

Abstain (0): None

Absent (3): Cherry, Vickery, and Whitfield

The motion passed.

Member LeCuyer made a motion, seconded by Member Fox, to recommend approval of the special use permit with the conditions proposed by Staff as amended.

The votes were as follows:

Ayes (3): Fox, LeCuyer, and Thompson

Nays (1): Mohr

Abstain (0): None

Absent (3): Cherry, Vickery, and Whitfield

Pursuant to 55 ILCS 5/5-12011, the concurrent vote of four (4) members of a Board consisting of seven (7) members is required to decide in favor of the applicant. Therefore, the recommendation is denial.

Chairman Mohr voted no because of the concerns raised by the neighbors related to the view of area. He was also concerned about loss of property values. He believed the subject property would eventually be houses.

The proposal will go to the Kendall County Planning, Building and Zoning Committee on June 13, 2022.

The Zoning Board of Appeals completed their review of Petition 22-10 at 8:45 p.m.

PUBLIC COMMENTS

Mr. Asselmeier also said that the Illinois Association of County Zoning Officials was having a training session, including a session on zoning hearing procedures, on October 21, 2022, via Zoom. He would email meeting information.

Mr. Asselmeier reported that, for the June 27th hearing, there will be a Petition requesting a special use permit for a government facility; Lisbon Township was building a new building on their property on Route 47. There will also be a text amendment regarding lighting at towers on the agenda.

ADJOURNMENT OF THE ZONING BOARD OF APPEALS

Member Thompson made a motion, seconded by Member LeCuyer, to adjourn.

With a voice vote of four (4) ayes, the motion carried.

The Zoning Board of Appeals meeting adjourned at 9:00 p.m.

The next hearing/meeting will be on June 27, 2022.

Respectfully submitted by,
Matthew H. Asselmeier, AICP, CFM
Senior Planner

Exhibits

1. Memo on Petition 22-10 Dated May 27, 2022
2. Certificate of Publication for Petition 22-10 (Not Included with Report but on file in Planning, Building and Zoning Office)
3. May 28, 2022 Seward Township Minutes
4. Mulch Safety Information

[illegible][illegible]

STATE OF ILLINOIS
Kendall County
Town of Seward

The Board of Trustees met at the office of the Town Clerk at Seward Town Hall at 14719 O'Brien Road, Minooka, Illinois 60447.

SPECIAL MEETING
SATURDAY MAY 28, 2022 @ 7:00PM.

Present:

Mr. Tim O'Brien, Supervisor
Ms Sharleen Smith, Trustee
Mr. Tom Fleming, Trustee
Mr. Jim Martin, Trustee

Absent: Mr. Dan Roberts, Trustee
Mrs. Sheila Trost, Clerk

Tim O'Brien, Chairperson and Sharleen Smith, Acting Clerk conducted the following business.

The Seward Township May 28, 2022 Special meeting was called to order at 7:00 p.m. All Trustees except Dan Roberts and Clerk Sheila Trost were present. There were 20 visitors present. After the Pledge of Allegiance, Supervisor O'Brien conducted the following meeting.

Public comments: There were a concerns about the tree business going up on Rte 52 near Arbeiter Road, Petition 22 - 10. It is a 50 acre parcel. The Board heard concerns from several residents. These concerns included but were not limited to decreased property taxes, noise pollution, environmental pollution from chemical leaching into the wells and odors, containers for storage, fire issues, renting of land to other landscapers to recoup some of the expense of buying the property. How will the equipment affect the pipelines that are located under the land. Another major concern was how is the county going to police the area and check if the tree company is adhering to the resolutions that was put forth by the County. The potential owner and the person selling the land also spoke and tried to address the issues. They stated that there will be a 30 acre buffer between the building, work area and the homes. There will be trees planted. There will be a pond dug to help with fire concerns and also a dry hydrant built. There will be no entrance to the property along Arbeiter Road. The machines will not be running 24/7. Machinery will be stored in the building. The business will be paying taxes to the County. Fire risk is minimal.

New Business:

The Board discussed the issues and stated their concerns, similar to the residents. One major concern was the County's lack of policing of the current businesses to monitor

their compliance of their special use permits. It was felt that the County needs to step up and do this. Jim Martin made a motion to recommend the approval of the petition of Best Budget Tree Service LLC Petition 22-10 seconded by Tom Fleming. In a roll call vote the motion was **defeated by a 3 - 1 vote** citing concerns of the residents. The Seward Township Board does **NOT** recommend this petition.

With no further business, a motion to adjourn was made Jim Martin and seconded by Tom Fleming. All members voted Aye, motion carried. Meeting adjourned at 8:30p.m.

Attest

Sharleen Smith/ Acting Clerk

Impact® Dark Walnut

Version 1.0 Revision Date: 10/26/2020 SDS Number: 000000574986 Date of last issue: -
Date of first issue: 10/26/2020

SECTION 1. IDENTIFICATION

Product name : Impact® Dark Walnut
Product code : 000000000050346572 000000000050346572

Manufacturer or supplier's details

Company name of supplier : Master Builders-Admixtures US,LLC
Address : 23700 CHAGRIN BLVD
Beachwood OH 44122
Emergency telephone : ChemTel: +1-813-248-0585 USA: +1-800-255-3924 Contract
Number MIS9240420

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

GHS label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Other hazards

No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : No data available.

Components

Chemical name	CAS-No.	Concentration (% w/w)
Iron oxide	1309-37-1	25 - 50
Carbon black	1333-86-4	5 - 15
ammonia, aqueous solution	1336-21-6	0.1 - 1

SECTION 4. FIRST AID MEASURES

General advice : Remove contaminated clothing.
Do not leave the victim unattended.

If inhaled : Keep patient calm, remove to fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Wash thoroughly with soap and water

In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth and then drink 200-300 ml of water.

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Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray
Dry powder
Foam
Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : In case of fire hazardous decomposition products may be produced such as:

Hazardous combustion products : nitrogen oxides

Further information : Keep containers cool by spraying with water if exposed to fire.
In case of fire and/or explosion do not breathe fumes.
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and chemical-protective clothing.
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Do not breathe vapour/spray.
Use personal protective clothing.
Avoid contact with the skin, eyes and clothing.

Environmental precautions : Do not discharge into the subsoil/soil.
Do not discharge into drains/surface waters/groundwater.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Dispose of absorbed material in accordance with regulations.
Collect waste in suitable containers, which can be labeled and sealed.
Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : No special precautions necessary.
does not flash
Product is not explosive.
- Normal measures for preventive fire protection.
- Advice on safe handling : No special measures necessary if stored and handled correctly.
Ensure thorough ventilation of stores and work areas.
When using do not eat, drink or smoke.
Hands and/or face should be washed before breaks and at the end of the shift.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Keep away from heat.
Protect from direct sunlight.
- Materials to avoid : Segregate from foods and animal feeds.
- No materials to be especially mentioned.
- Further information on storage stability : No data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Iron oxide	1309-37-1	TWA value (Respirable fraction)	5 mg/m ³	ACGIHTLV
		REL value (Dust and fume)	5 mg/m ³ (iron (Fe))	NIOSH
		PEL (fumes/smoke)	10 mg/m ³	29 CFR 1910.1000 (Table Z-1)
		TWA value (fumes/smoke)	10 mg/m ³	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Respirable particulate mat-	5 mg/m ³	ACGIH

SAFETY DATA SHEET

MBCC GROUP

Impact® Dark Walnut

Version
1.0

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		ter)		
		TWA (dust and fume)	5 mg/m3 (Iron)	NIOSH REL
		TWA (Fumes)	10 mg/m3	OSHA Z-1
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Fumes)	10 mg/m3	OSHA P0
Carbon black	1333-86-4	TWA value (Inhalable fraction)	3 mg/m3	ACGIHTLV
		PEL	3.5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	3.5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		REL value	0.1 mg/m3 (Polycyclic aromatic hydrocarbons (PAH))	NIOSH
		TWA (Inhalable particulate matter)	3 mg/m3	ACGIH
		TWA	3.5 mg/m3	NIOSH REL
		TWA	3.5 mg/m3	OSHA Z-1
		TWA	3.5 mg/m3	OSHA P0
		TWA	0.1 mg/m3 (PAHs)	NIOSH REL
ammonia, aqueous solution	1336-21-6	STEL value	35 ppm	ACGIHTLV
		TWA value	25 ppm	ACGIHTLV
		REL value	25 ppm	NIOSH
			18 mg/m3	
		STEL value	35 ppm	NIOSH
			27 mg/m3	
		PEL	50 ppm	29 CFR 1910.1000 (Table Z-1)
			35 mg/m3	
		STEL value	35 ppm	29 CFR 1910.1000 (Table Z-1-A)
			27 mg/m3	
		TWA	25 ppm (Ammonia)	ACGIH
		STEL	35 ppm (Ammonia)	ACGIH
		TWA	25 ppm	NIOSH REL
			18 mg/m3 (Ammonia)	
		ST	35 ppm	NIOSH REL
			27 mg/m3 (Ammonia)	

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- Engineering measures** : Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.
- Personal protective equipment**
- Respiratory protection** : Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.
- Hand protection**
- Remarks** : Chemical resistant protective gloves Protective glove selection must be based on the user's assessment of the workplace hazards.
- Eye protection** : Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Safety glasses
- Skin and body protection** : Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit. Protective suit
- Protective measures** : Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.
- Hygiene measures** : Store work clothing separately. Keep away from food, drink and animal feedingstuffs. General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : liquid, viscous
- Color** : brown
- Odor** : mild
- Odor Threshold** : No data available
- pH** : approx. 9 - 10 (68 °F / 20 °C)
- Melting point** : No applicable information available.
- boiling temperature** : approx. 212 °F / 100 °C (for a component of this mixture)
- Flash point** : > 212 °F / > 100 °C

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Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Upper explosion limit / Upper flammability limit	: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Lower explosion limit / Lower flammability limit	: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Vapor pressure	: approx. 23.4 hPa (68 °F / 20 °C) (for a component of this mixture)
Relative vapor density	: Heavier than air.
Density	: approx. 1.5 - 1.7 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	
Water solubility	: dispersible
Solubility in other solvents	: No applicable information available.
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: Based on the water content the product does not ignite.
Decomposition temperature	: No decomposition if stored and handled as prescribed/indicated.
Viscosity	
Viscosity, dynamic	: No applicable information available.
Viscosity, kinematic	: Forms a viscous solution.
Explosive properties	: Based on the chemical structure there is no indication of explosive properties.
Oxidizing properties	: Based on its structural properties the product is not classified as oxidizing.
Sublimation point	: No applicable information available.
Molecular weight	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions if stored and handled as prescribed/indicated. No decomposition if stored and applied as directed.
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Chemical stability	: The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed. No hazardous reactions if stored and handled as prescribed/indicated. Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: See SDS section 7 - Handling and storage.
Incompatible materials	: See SDS section 7 - Handling and storage. Strong acids Strong bases Strong oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks : Misuse can be harmful to health.

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Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity**Product:**

Toxicity to fish :
Remarks: No data available.

Toxicity to daphnia and other aquatic invertebrates :
Remarks: No data available.

Toxicity to algae/aquatic plants :
Remarks: No data available.

Persistence and degradability

No data available

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: Significant accumulation in organisms is not to be expected.

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**US State Regulations****Pennsylvania Right To Know**

Iron oxide	1309-37-1
Carbon black	1333-86-4

New Jersey Right To Know

Carbon black	1333-86-4
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The ingredients of this product are reported in the following inventories:

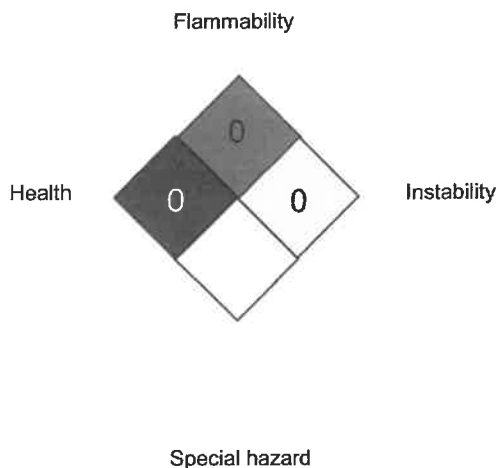
TSCA : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION**Further information**

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NFPA 704:



HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

29 CFR 1910.1000 (Table Z-1-A)	: OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z-1)	: OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	: American Conference of Governmental Industrial Hygienists - threshold limit values (US)
NIOSH	: NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA P0	: USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
29 CFR 1910.1000 (Table Z-1-A) / STEL value	: Short Term Exposure Limit (STEL):
29 CFR 1910.1000 (Table Z-1-A) / TWA value	: Time Weighted Average (TWA):
29 CFR 1910.1000 (Table Z-1) / PEL	: Permissible exposure limit
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
ACGIHTLV / STEL value	: Short Term Exposure Limit (STEL):
ACGIHTLV / TWA value	: Time Weighted Average (TWA):
NIOSH / REL value	: Recommended exposure limit (REL):
NIOSH / STEL value	: Short Term Exposure Limit (STEL):
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	: 8-hour time weighted average
OSHA Z-1 / TWA	: 8-hour time weighted average

Impact® Dark Walnut

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/26/2020	000000574986	Date of first issue: 10/26/2020

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 10/26/2020

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SAFETY DATA SHEET

MBCC GROUP

Impact® Dark Walnut

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/26/2020	000000574986	Date of first issue: 10/26/2020

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US / EN

The safest bet and still the best.

The world's largest palette of colorant starts with the world's safest formula—and we have the battery of tests to back it up. First, our team performed the same safety studies the cosmetics industry performs on its products. Then we sent our entire line of colorant to labs across the country for independent safety testing, too.

The results were exactly what we expected – non-toxic, non-reactive, non-flammable, environmentally friendly – but now it's a certifiable fact that Colorbiotics® colorant is safer than the salt sitting on your dinner table. That means safe for plants, safe for pets and safe for people.



TOXICOLOGICAL STUDIES

Our colorant rated in the lowest and safest level of toxicity possible — Category IV. That means our colorant is less toxic than table salt. The safety testing consisted of the following areas:

- Skin Sensitization
- Acute Dermal Irritation
- Acute Eye Irritation
- Acute Inhalation Toxicity
- Acute Dermal Toxicity
- Acute Oral Toxicity

PLANT PHYTOTOXICITY

Our colorant was studied alongside a sample of commonly found plants that included petunia, vinca, salvia, tomato, timothy and celery. The results showed that direct plant contact with our colorant is safe for landscapes and gardens.

VOC ANALYSIS

EPA Method 8260B was used to screen for 46 volatile organic compounds that can be harmful or toxic to people, plants and animals. Zero out of those 46 VOCs were detected in our colorant.

Questions? Contact us or talk to your territory manager.
888-663-6980 ■ colorbiotics.com

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MBCC GROUP



DEPARTMENT OF PLANNING, BUILDING & ZONING

111 West Fox Street • Room 203

Yorkville, IL • 60560

(630) 553-4141

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Petition 22-10**Mark Fecht on Behalf of Fecht Brothers, Inc. and Jeremy and
Samantha Dippold on Behalf of Best Budget Tree, LLC
A-1 Special Use Permit for Landscaping Business****INTRODUCTION**

Best Budget Tree, LLC would like to purchase the subject property from Fecht Brothers Inc. in order to operate a tree and landscaping business at the property.

Best Budget Tree, LLC has been in existence for over ten (10) years.

The application materials are included as Attachment 1. The site plan is included as Attachment 2. The landscaping plan is included as Attachment 3. The stormwater plans are included as Attachment 4. The renderings of the proposed building are included as Attachment 5.

SITE INFORMATION

PETITIONERS: Mark Fecht on Behalf of Fecht Brothers, Inc. (Property Owner)
Jeremy and Samantha Dippold on Behalf of Best Budget Tree, LLC
(Contract Purchaser)

ADDRESS: None Assigned (Across Route 52 from 2190 and 2200 Route 52, Minooka)

LOCATION: Approximately 0.1 Miles West of Arbeiter Road on the North Side of Route 52



TOWNSHIP: Seward

PARCEL #: 09-15-200-003

LOT SIZE: 48.3 +/- Acres

EXISTING LAND USE: Agricultural

ZONING: A-1

LRMP:	Future Land Use	Rural Residential (Max 0.65 DU/Acre) (County) Residential and Commercial (Shorewood)
	Roads	Route 52 is a State maintained Arterial.
	Trails	Joliet has a trail planned along Route 52, but Joliet does not want a right-of-way dedication at this time, see Attachment 6.
	Floodplain/ Wetlands	There are no floodplains on the property. There is a wetland near the northwest corner of the property.

REQUESTED ACTION: Special Use Permit for a Landscaping Business

APPLICABLE REGULATIONS: Section 7:01.D.30 – A-1 Special Uses
Section 13:08 – Special Use Procedures

SURROUNDING LAND USE

Location	Adjacent Land Use	Adjacent Zoning	Land Resource Management Plan	Zoning within ½ Mile
North	Agricultural	A-1	Rural Residential (Max 0.65 Du/Acre) (County) Residential (Joliet)	A-1
South	Agricultural/Single-Family Residential	A-1	Rural Residential and Commercial (County) Residential and Commercial (Shorewood)	A-1
East	Agricultural/Single Family-Residential	A-1 and R-3	Suburban Residential (Max 1.00 Du/Acre) (County) Residential and Commercial (Shorewood)	A-1 and R-3

West	Agricultural	A-1	Rural Residential (County) Residential (Shorewood)	A-1, A-1 SU, and R-1
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The A-1 special use permit to the west is for the sale of agricultural products not grown on the premises.

PHYSICAL DATA

ENDANGERED SPECIES REPORT

EcoCAT Report was submitted on April 15, 2022, and indicated the following protected resources:

Aux Sable Creek INAI Site
Greater Redhorse (*Moxostoma valenciennesi*)

The Illinois Department of Conservation determined that negative impacts were unlikely and consultation was terminated on April 18, 2022, see Attachment 1, Pages 25-28.

NATURAL RESOURCES INVENTORY

The application for NRI was submitted April 21, 2022, see Attachment 1, Page 30. The LESA Score was 210 indicating a medium level of protection. The NRI Report is included as Attachment 7.

ACTION SUMMARY

SEWARD TOWNSHIP

Petition information was sent to Seward Township on April 25, 2022. The Seward Township Planning Commission reviewed the proposal in May 2022. They expressed concerns about the location of lighting with respect to the adjacent homes. The Seward Township Planning Commission recommended approval of the request. An email to that effect is included as Attachment 8.

VILLAGE OF SHOREWOOD

Petition information was sent to the Village of Shorewood on April 25, 2022. On May 4, 2022, the Village of Shorewood submitted an email saying they did not want to request a right-of-way dedication for a biking/walking trail. This email is included as Attachment 9.

MINOOKA FIRE PROTECTION DISTRICT

Petition information was sent to the Minooka Fire Protection District on April 25, 2022. On May 5 and 6, 2022, the Minooka Fire Protection District submitted a letter and email requesting a fire alarm system that meets applicable codes, no smoking signs near the mulch pile, a dry fire hydrant, and signage properly marking the address of the property. The letter and email are included as Attachment 10. The Petitioners were agreeable to this request.

ZPAC

The Kendall County ZPAC reviewed this Petition at their meeting on May 3, 2022. Mr. Klaas asked if the six inch (6") pipe shown on the plans went to Route 52. John Tebrugge, Petitioners' Engineer, said the pipe goes almost to Route 52. The Petitioners had not received final access approval from the Illinois Department of Transportation; they will not get final approval until they (the Dippolds) own the property. The Petitioners understood that any buildings constructed on the property would not be eligible for agricultural building permit exemptions. Based on the information provided, the well would not be a non-community well. The Petitioners were advised to design the septic system for maximum load. The Petitioners were advised to identify on the site plan where lights would be placed. The Petitioners had no plans to use the access off of Arbeiter Road. The land comes with building allocations. ZPAC recommended approval of the proposal by a vote of six (6) in favor and zero (0) in opposition with four (4) members absent. The minutes are included as Attachment 11.

RPC

The Kendall County Regional Planning Commission reviewed this Petition at their meeting on May 25, 2022.

Chairman Ashton asked if the Minooka Fire Protection District wanted just an alarm system or if the request was to have the building sprinklered. Mr. Asselmeier responded just an alarm system.

Member Wilson asked how the Petitioners were going to manage the mulch pile and if mulch would be sold. Jeremy Dippold, Petitioner, said the mulch would be installed on off-site locations. They would have several small piles. The maximum height of the mulch piles would be twelve feet (12') because of the company's equipment.

Member Casey asked where the business was currently located. Mr. Dippold responded Renwick Road and Interstate 55. Mr. Dippold said the proposed location would look better than the existing location because no inside storage exists at their current location.

Member Casey asked about possible expansion. Mr. Asselmeier said, if the Petitioners expanded into the farmland beyond the area identified on the site plan, an amendment to the special use permit would be required.

Discussion occurred regarding the access point off of Arbeiter Road. The access would remain to allow a farmer to get their equipment into the field. Based on the plans, it appeared difficult for a farmer to get equipment to north portion of the property using the access off of Route 52. Equipment could be driven through the parking lot. The current owner would continue to farm the property after the Dippolds acquire the property.

Joe Frescura requested that the proposal be denied for the following reasons:

1. The business has no noise control plan; wood chippers would exceed the noise requirements in the proposed special use permit. He provided pictures of the height of mulch piles at the business' current location. The trees proposed on the site plan will not reach full height for ten (10) years and will not provide a full noise buffer until that time.
2. The dyed mulch will jeopardize local wells, waterways, and wetlands.
3. Inclusion of access to Arbeiter Road; he would like to see the access point removed. He also discussed burning at other landscaping businesses.
4. There are several containers at the Petitioners' current operating location. He was concerned about the placement of the containers turning the area into an industrial park and causing a decrease in property values in the area.
5. He noted that five (5) landscaping business have special use permits in Seward Township. These existing special uses are not located near homes like the proposed special use.
6. He expressed concerns regarding the soils to support a septic system.
7. He expressed concerns regarding burning on the property and the possible inter-mingling of onsite and offsite generated materials in a burn pile.
8. He noted that the LESA Score was 210. He argued the property should be retained for farming.

Mr. Dippold said chippers would not be used onsite; they would be at customers' homes. He explained the mulch dyeing process; the dyed mulch is not hazardous. He did not want burning on the property. He has three (3) containers which are used for storage; the containers would be replaced with the building. He was agreeable to a condition not allowing shipping containers on the property. He did not anticipate operating at the site until July 2023. He has no interest in using Arbeiter Road to access the property for the business.

Anne Vickery noted this proposal would be the sixth (6th) landscaping special use in Seward Township. She asked if anyone on the Board would like to live next to this type of use. She also noted that the property was planned to be residential. She asked who would enforce the regulations; she noted burning at another landscaping business.

Robert Delaney said the area was a residential area and should remain a residential area. He questioned the need to have a large amount of acreage used for the proposed use.

Pat Frescura said that she has lived in the area for over fifty (50) years. She noted the time, investment, and pride in her property. She was against having the proposed use near her property. She wanted

to keep the land as farmland. She said that she was unaware of the Seward Township Planning Commission's meeting.

Jim Martin, Seward Township Trustee, said the Seward Township Planning Commission did not forward a recommendation to the Township Board. The Township Board did not vote on this proposal.

Tim O'Brien, Seward Township Supervisor, said the Seward Township Planning Commission did not forward a recommendation to the Township Board.

It was noted that the proposal would preserve agricultural uses on the majority of the property.

Dave Shively asked what A-1 meant. A-1 means agricultural. He discussed the repaving of Arbeiter Road. He asked about enforcement of burning regulations. Mr. Asselmeier explained that burning items brought onto the property was against State law. Mr. Shively favored keeping the property in farming. He favored a housing development instead of the proposed use.

Member Wilson favored having the proposal over houses.

Tony Guzman said that he bought his property because it was a residential area. He would like to see the property become a park. He likes the wildlife in the area. He felt the use was an industrial use.

Mr. Dippold asked if his proposal was any different than a farmer building grain bins with related noise and odors. He also noted that he was pursuing the zoning on the property the correct way.

Kim Larkin said that she did not want to look at this use in her backyard. She said that mulch has an odor. Discussion occurred regarding the smell of mulch. She expressed concerns about diminished property values.

Steve Papaeliou expressed his opposition to the containers on the property.

Mr. O'Brien requested the proposal be tabled proposal and sent back to Seward Township. Member Wilson wanted to know the opinion of the Township Board. Member Nelson noted the Petitioners followed the proper procedures to get to this point. Mr. Dippold opposed tabling the proposal because Mr. Fecht wants to close on the property quickly.

Member Nelson did not see much of a difference between the proposal and farming uses.

Member Wormley noted that a subdivision could be placed on the property at some point in the future, even if the special use permit was approved. He thought the proposal was a good proposal compared to other uses that could go on the property.

The Kendall Regional Planning Commission voted to recommend approval of the proposal with an additional condition stating that no storage containers would be allowed on the subject property by a vote of seven (7) in favor and one (1) in opposition with one (1) member absent. The minutes of the meeting are included as Attachment 14.

GENERAL INFORMATION

Per Section 7:01.D.30 of the Kendall County Zoning Ordinance, landscaping businesses can be special uses on A-1 zoned property subject to the following conditions:

1. All vehicles, equipment and materials associated with a landscaping business shall be stored entirely within an enclosed structure, unless otherwise permitted under the terms of this Special Use Permit.
2. The business shall be located on, and have direct access to, a State, County or Collector Highway as identified in the County's LRMP, having an all-weather surface, designed to accommodate loads of at least seventy-three thousand, two hundred eighty pounds (73,280 lbs.), unless otherwise approved in writing by the agency having jurisdiction over said Highway. Such approvals shall establish limitations as to the number of employees and types of vehicles coming to and from the site that are engaged in

the operation of the use (including delivery vehicles). These restrictions shall be included as controlling conditions of the Special Use.

3. No landscape waste generated off the property can be burned on this site.

If the County Board approves the outdoor storage of materials, the above conditions have been met.

BUSINESS OPERATIONS

According to the business plan found on pages 3 and 4 of Attachment 1, the business currently operates two (2) four (4) employee crews in April through October and one (1) four (4) employee crew in November through March. The Petitioners plan to hire four (4) additional employees, if business increases. Employees arrive at the property at approximately 7:30 a.m., go to work sites, and return to the property between 3:30 p.m. and 4:00 p.m. Employees unload equipment and materials and leave between 4:30 p.m. and 5:00 p.m. The business operates on Monday through Fridays with an occasional Saturday.

Business equipment presently consists of two (2) bucket trucks, two (2) wood chippers, two (2) one (1) ton pickup trucks, two (2) utility trailers, two (2) spare pick-up trucks, and one (1) wheel loader tractor. When not in operation, the Petitioners plan to house vehicles and equipment inside the proposed approximately nine thousand six hundred (9,600) square foot building. Mulch and firewood piles would be placed on the gravel area as shown on the site plan and landscaping plan (Attachments 2 and 3) and would be piled a maximum twelve feet (12') in height. The Petitioners do not plan to store stone, brick, or rock at the property. Per the site plan (Attachment 2), the gravel area is approximately ten point five (10.5) acres in size. If there is a motor vehicle or equipment related leak, the impacted gravel will be removed and replaced with clean gravel.

No retail services will be available at the property and retail customers will not be invited onto the property.

If approved, the Petitioners plan to start operations as quickly as possible.

BUILDINGS AND BUILDING CODES

One (1) approximately nine thousand six hundred (9,600) square foot building is proposed for the site in the location depicted on the site plan and landscaping plan (Attachments 2 and 3). The building will look substantially like the rendering provided in Attachment 5. The walls will be approximately sixteen feet (16') feet tall and the doors will be fourteen feet (14') in height. The peak of the building will be a maximum twenty-four feet (24').

Any structures related to the landscaping business would be required to obtain applicable building permits.

ENVIRONMENTAL HEALTH

No well or septic system presently exists on the property. No other utilities are located on the property.

One (1) ten foot by ten foot (10' X 10') dumpster enclosure was shown on the site plan and landscaping plan east of the vehicle parking area.

STORMWATER

The property drains to the south.

There is one (1) wetland located near the northwest corner of the property.

The site plan and landscaping plan (Attachments 2 and 3) show a proposed seventy-three thousand, nine hundred eighty-four (73,984) square foot wet bottom pond. At the deepest point, the pond will be sixteen feet (16') deep. The stormwater plan information is included as Attachment 4.

WBK Engineering submitted comments on the proposal. This letter is included as Attachment 12. These comments will have to be addressed prior to the issuance of a stormwater management permit.

ACCESS

Per the site plan and landscaping plan (Attachments 2 and 3), the Petitioners plan to install one (1) thirty foot (30') wide gravel driveway. The driveway will be approximately forty-eight feet (48') from the western property

line.

PARKING AND INTERNAL TRAFFIC CIRCULATION

According to site plan and landscaping plan (Attachments 2 and 3), the Petitioners plan to install two (2) parking areas. One (1) parking area is planned south of the building and the other parking area is planned west of the building. The total number of parking spaces is twenty-one (21) including one (1) handicapped accessible parking space.

EASEMENTS

Three (3) pipeline easements exist on the property.

LIGHTING

No existing lighting is located on the property.

At the time of the ZPAC meeting and Seward Township Planning Commission meeting, the Petitioners had not submitted a lighting plan. The lighting plan shows one (1) free standing light near the south parking lot and six (6) lights on the building. Based on the photometrics provided, no light would cross the property lines. The lighting plan is included as Attachment 13.

Per Section 11:02.F.12.e, of the Kendall County Zoning Ordinance, the maximum height for the freestanding light is twenty feet (20').

SIGNAGE

According to the site plan and landscaping plan (Attachments 2 and 3), one (1) non-illuminated sign is proposed between the gravel driveway and the western property line. No information was provided regarding sign dimensions or height. Per Section 12:08.A. of the Kendall County Zoning Ordinance, the total maximum allowable signage is thirty-two (32) square feet of gross surface area.

SECURITY

No security information was provided.

LANDSCAPING

The landscaping plan (Attachment 3) shows one hundred fifty (150) white pines along the perimeter of the property. The white pines will be three (3') feet at the time of planting and will grow to between fifty feet (50') and eighty feet (80'). Ten (10) deciduous trees are planned along the perimeter of the pond. The trees will be one and one half inches (1.5") at the time of planting. The landscaping plan also calls for a seed mix of Kentucky blue grass and turf type perennial grass around the pond and along the gravel driveway. Vegetation will be installed after the gravel and pond are installed.

The portion of the property not used for storage, building, driveway, or the pond will remain farmed. Most of the property will be farmed in 2022, which will delay the installation of the landscaping until 2023.

NOISE CONTROL

No information was provided regarding noise control.

ODORS

No new odors are foreseen by the proposed use.

RELATION TO OTHER SPECIAL USES

If approved, this would be the nineteenth (19th) special use permit for a landscaping business in unincorporated Kendall County.

FINDINGS OF FACT-SPECIAL USE PERMIT

§ 13:08.J of the Zoning Ordinance outlines findings that the Zoning Board of Appeals must make in order to recommend in favor of the applicant on special use permit applications. They are listed below in *italics*. Staff has provided findings in **bold** below based on the recommendation:

That the establishment, maintenance, or operation of the special use will not be detrimental to or endanger the

*public health, safety, morals, comfort, or general welfare. **Provided the site is developed in accordance with the submitted site plan and landscaping plan, the operation of the special use will not be detrimental to the public health, safety, morals, comfort, or general welfare. Conditions may be placed in the special use permit ordinance to address hours of operation.***

*That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood. The Zoning classification of property within the general area of the property in question shall be considered in determining consistency with this standard. The proposed use shall make adequate provisions for appropriate buffers, landscaping, fencing, lighting, building materials, open space and other improvements necessary to insure that the proposed use does not adversely impact adjacent uses and is compatible with the surrounding area and/or the County as a whole. **Appropriate restrictions may be placed in the special use permit to regulate the number of employees, hours of operation, site landscaping, lighting, and noise. Therefore, the neighboring property owners should not suffer loss in property values and the use will not negatively impact the adjacent land uses.***

*That adequate utilities, access roads and points of ingress and egress, drainage, and/or other necessary facilities have been or are being provided. **If a stormwater management permit is issued based on the submitted materials, drainage should not be an issue. If the Illinois Department of Transportation approves the access, ingress and egress should not be an issue. Utilities will need to be extended and/or installed on the property.***

*That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the County Board pursuant to the recommendation of the Zoning Board of Appeals. **This is true. No variances are required.***

*That the special use is consistent with the purpose and objectives of the Land Resource Management Plan and other adopted County or municipal plans and policies. **True, the proposed use is consistent with an objective found on Page 9-21 of the Kendall County Land Resource Management Plan which calls for "a strong base of agricultural, commercial and industrial uses that provide a broad range of job opportunities, a healthy tax base, and improved quality of services to County residents". Also, the Kendall County Future Land Use Map and the Village of Shorewood's Future Land Use Map call for commercial uses near the intersection of Route 52 and Arbeiter Road.***

RECOMMENDATION

Staff recommends approval of the special use permit for a landscaping business subject to the following conditions and restrictions:

1. The site shall be developed substantially in accordance with the attached site plan (Attachment 2), landscaping plan (Attachment 3), and lighting plan (Attachment 13) **(amended after ZPAC)**.
2. The gravel area shown on the attached site plan (Attachment 2) and landscaping plan (Attachment 3) shall not exceed ten point five (10.5) acres in size. The owners of the business allowed by this special use permit may reduce the amount of acreage covered by gravel.
3. The owners of the businesses allowed by this special use permit shall diligently monitor the property for leaks from equipment and vehicles parked and stored and items stored on the subject property and shall promptly clean up the site if leaks occur.
4. One (1) approximately nine thousand six hundred (9,600) square foot building may be installed on the subject property in substantially the location shown on the site plan (Attachment 2). The building shall look substantially like the building depicted in the attached rendering (Attachment 5). The maximum height of the building shall be twenty-four feet (24').
5. Any new structures constructed or installed related to the business allowed by this special use permit on the property shall not be considered for agricultural purposes and must secure applicable building permits.
6. No business operations may commence at the subject property until an occupancy permit is issued for

the building shown on the attached site plan (Attachment 2). No business operations may commence at the subject property until the parking stalls, dumpster enclosure, and wet bottom pond shown on the attached site plan (Attachment 2) are installed. Business operations may commence at the subject property prior to the installation of vegetation shown on the attached landscaping plan (Attachment 3).

7. Equipment and vehicles related to the business allowed by the special use permit may be stored outdoors at the subject property during the hours the business is open and shall be stored indoors during non-business hours.
8. None of the vehicles or equipment parked or stored on the subject property related to the business allowed by the special use permit shall be considered agricultural vehicles or agricultural equipment.
9. All of the vehicles and equipment stored on the subject property related to the business allowed by the special use permit shall be maintained in good condition with no deflated tires and shall be licensed if required by law.
10. All landscape related materials shall be stored indoors or on the gravel area depicted on the site plan (Attachment 2). The maximum height of the piles of landscaping related material shall be twelve feet (12') in height, unless otherwise restricted by a stormwater management permit. Stone, brick, and rock shall not be stored outdoors.
11. The size and depth of the wet bottom pond shall be governed by the stormwater management permit issued for the subject property.
12. One (1) two (2) sided non-illuminated sign may be installed on the location depicted on the attached site plan (Attachment 2).
13. At least two (2) no smoking signs shall be installed near the piles of landscaping related materials. **(added after ZPAC)**
14. One hundred fifty (150) white pines shall be installed in substantially the locations shown on the attached landscaping plan (Attachment 3). The white pines shall be a minimum of three feet (3') in height at the time of planting. The white pines shall be installed by June 30, 2023. Damaged or dead white pines shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the white pines.
15. Ten (10) deciduous trees shall be installed in substantially the locations shown on the attached landscaping plan (Attachment 3). The deciduous trees shall be a minimum one point five inches (1.5") in diameter at the time of planting. The deciduous trees shall be installed by June 30, 2023. Damaged or dead deciduous trees shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the deciduous trees.
16. The seed mix called for in the attached landscaping plan (Attachment 3) shall be installed by June 30, 2023. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the seed mix.
17. No landscape waste generated off the property can be burned on the subject property.
18. A maximum of twenty (20) employees of the business allowed by this special use permit, including the owners of the business allowed by this special use permit, may report to this site for work. No employees shall engage in the sale of landscaping related materials on the property.
19. No retail customers of the business allowed by this special use permit shall be invited onto the property by anyone associated with the use allowed by this special use permit.
20. The hours of operation of the business allowed by this special use permit shall be Monday through Saturday from 7:30 a.m. until 5:00 p.m. The owners of the business allowed by this special use permit

may reduce these hours of operation.

21. The noise regulations are as follows:

Day Hours: No person shall cause or allow the emission of sound during daytime hours (7:00 A.M. to 10:00 P.M.) from any noise source to any receiving residential land which exceeds sixty-five (65) dBA when measured at any point within such receiving residential land, provided; however, that point of measurement shall be on the property line of the complainant.

Night Hours: No person shall cause or allow the emission of sound during nighttime hours (10:00 P.M. to 7:00 A.M.) from any noise source to any receiving residential land which exceeds fifty-five (55) dBA when measured at any point within such receiving residential land provided; however, that point of measurement shall be on the property line of the complainant.

EXEMPTION: Powered Equipment: Powered equipment, such as lawn mowers, small lawn and garden tools, riding tractors, and snow removal equipment which is necessary for the maintenance of property is exempted from the noise regulations between the hours of seven o'clock (7:00) A.M. and ten o'clock (10:00) P.M.

22. At least one (1) functioning fire extinguisher and one (1) first aid kit shall be on the subject property. Applicable signage stating the location of the fire extinguisher and first aid kit shall be placed on the subject property.

23. One dry hydrant shall be placed on the property **(added after ZPAC)**.

24. The maximum height of the light pole shown in the lighting plan (Attachment 13) shall be twenty feet (20') **(added after ZPAC)**.

25. No storage/shipping containers are allowed on the subject property **(added by the RPC)**.

26. The owners of the business allowed by this special use permit acknowledge and agree to follow Kendall County's Right to Farm Clause.

27. The property owner and operator of the business allowed by this special use permit shall follow all applicable Federal, State, and Local laws related to the operation of this type of business.

28. Failure to comply with one or more of the above conditions or restrictions could result in the amendment or revocation of the special use permit.

29. If one or more of the above conditions is declared invalid by a court of competent jurisdiction, the remaining conditions shall remain valid.

30. This special use permit shall be treated as a covenant running with the land and is binding on the successors, heirs, and assigns as to the same special use conducted on the property.

ATTACHMENTS

1. Application Materials (Including Petitioner's Findings of Fact, NRI Application, and EcoCat)
2. Site Plan
3. Landscaping Plan
4. Stormwater Plans
5. Building Renderings
6. April 21, 2022 Joliet Email
7. NRI Report
8. May 9, 2022 Seward Township Planning Commission Email
9. May 4, 2022 Village of Shorewood Email
10. May 5 and 6, 2022 Minooka Fire Protection District Letter and Email
11. May 3, 2022 ZPAC Meeting Minutes
12. May 4, 2022 WBK Engineering Letter
13. Lighting Plan
14. May 25, 2022 Kendall County Regional Planning Commission Meeting Minutes



DEPARTMENT OF PLANNING, BUILDING & ZONING

111 West Fox Street • Yorkville, IL • 60560

(630) 553-4141

Fax (630) 553-4179

APPLICATION

PROJECT NAME Best Budget Tree Site Plan

FILE #: _____

NAME OF APPLICANT		
Best Budget Tree Service - Jeremy & Samantha Dippold		
CURRENT LANDOWNER/NAME(s)		
Fecht Brothers, Inc.		
SITE INFORMATION		
ACRES	SITE ADDRESS OR LOCATION	ASSESSOR'S ID NUMBER (PIN)
48.59	2195 US Highway 52, Minooka, IL	09-15-200-003
EXISTING LAND USE	CURRENT ZONING	LAND CLASSIFICATION ON LRMP
AG	A1	
REQUESTED ACTION (Check All That Apply):		
☒ SPECIAL USE ☐ MAP AMENDMENT (Rezone to _____) ☐ VARIANCE		
☐ ADMINISTRATIVE VARIANCE ☐ A-1 CONDITIONAL USE for: _____ ☐ SITE PLAN REVIEW		
☐ TEXT AMENDMENT ☐ RPD (☐ Concept; ☐ Preliminary; ☐ Final) ☐ ADMINISTRATIVE APPEAL		
☐ PRELIMINARY PLAT ☐ FINAL PLAT ☐ OTHER PLAT (Vacation, Dedication, etc.)		
☐ AMENDMENT TO A SPECIAL USE (☐ Major; ☐ Minor)		
¹PRIMARY CONTACT	PRIMARY CONTACT MAILING ADDRESS	PRIMARY CONTACT EMAIL
Jeremy Dippold	22419 W Renwick Rd, Plainfield, IL 60544	bestbudgettree@yahoo.com
PRIMARY CONTACT PHONE #	PRIMARY CONTACT FAX #	PRIMARY CONTACT OTHER # (Cell, etc.)
815-685-2444		
²ENGINEER CONTACT	ENGINEER MAILING ADDRESS	ENGINEER EMAIL
John Tebrugge	410 E Church St, Ste A, Sandwich, IL 60548	info@tebruggeengineering.com
ENGINEER PHONE #	ENGINEER FAX #	ENGINEER OTHER # (Cell, etc.)
815-786-0195		
I UNDERSTAND THAT BY SIGNING THIS FORM, THAT THE PROPERTY IN QUESTION MAY BE VISITED BY COUNTY STAFF & BOARD/ COMMISSION MEMBERS THROUGHOUT THE PETITION PROCESS AND THAT THE PRIMARY CONTACT LISTED ABOVE WILL BE SUBJECT TO ALL CORRESPONDANCE ISSUED BY THE COUNTY.		
I CERTIFY THAT THE INFORMATION AND EXHIBITS SUBMITTED ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT I AM TO FILE THIS APPLICATION AND ACT ON BEHALF OF THE ABOVE SIGNATURES.		
SIGNATURE OF APPLICANT 		DATE 4-19-22

FEE PAID: \$1155
 CHECK #: 1064

¹Primary Contact will receive all correspondence from County

²Engineering Contact will receive all correspondence from the County's Engineering Consultants

FECHT BROTHERS, INC.
1708 Albert Hall Court
Naperville, IL 60564

April 18, 2022

Kendall County
Planning, Building & Zoning Department
Attn: Matt Asselmeier, Senior Planner
111 West Fox Street
Yorkville, IL 60560

Re: Special Use Permit Application

To the Kendall County Planning, Building & Zoning Department:

Fecht Brothers, Inc. is the current owner of the property located at 48 US Highway 52, Minooka, Kendall County, IL 60447 (the "Property"). Fecht Brothers, Inc. is under contract to sell the Property to Jeremy and Samantha Dippold ("Dippolds"). It is our understanding that the Dippolds are seeking a special use permit to the Property's zoning. Fecht Brothers, Inc. supports and approves the Dippold's application for a special use permit for a landscaping company.

Please find the enclosed title policy dated March 7, 2022 from Fidelity National Title Insurance Company referencing our ownership and the Dippolds as the proposed insured.

Thank you for the opportunity to be of assistance.

Sincerely,

 Sec. (sign)

Print Name: Mark Fecht secretary
Fecht Brothers, Inc.

Proposed Use and Business Plan

The Petitioners are requesting a special use permit to operate a landscaping company at the Property. The Petitioners have operated Best Budget Tree Service, LLC for over ten years. The primary purpose of the landscaping company is the removal of trees, processing mulch, spreading mulch and processing trees into firewood for delivery to customers.

A. Employees:

The Petitioners operate the following crews during the following months:

April through October

There are two crews (4 employees each) that cut down and remove trees. Additionally, there is a full-time employee who maintains the property grounds and processes the tree branches into firewood. In addition, the Petitioners also work for the landscaping company.

November through March

There is one crew (4 employees) that cut down and remove trees. Additionally, there is a full-time employee who maintains the property grounds and processes the tree branches into firewood. In addition, the Petitioners also work for the landscaping company.

There are currently no plans to hire additional employees at this time. However, if the demand for their landscaping services should increase in the future, the Petitioners would likely hire and form a third crew (4 employees each).

B. Hours of Operation:

The Petitioners will operate between the hours of 8:00am to 4:30pm Monday through Friday. On some occasions, the crew will run their operations on Saturday. Employees usually arrive onsite by 7:30am, load the equipment and materials, get the day's schedule and are on the road by 8:00am. Employees typically arrive back at the Property approximately 3:30-4:00pm. The employees unload all equipment, unload branches, mulch, firewood into the appropriate areas, clean and maintain the work vehicles and leave between 4:30-5:00pm.

If approved, the Petitioners plan to start operations upon a successful purchase and closing of the property.

C. Vehicles in Use:

The Petitioners own and utilize the following vehicles: 2 bucket trucks, 2 wood chippers, 2 oneton pick-up trucks, 2 utility trailers, 2 spare pick-up trucks, and 1 wheel loader tractor.

D. Improvements:

The Petitioners plan on building a metal building to house the vehicles and equipment as well as their general office. The Petitioners plan to store the processed mulch and firewood in large areas in the rear of the site to keep everything organized and clean. Mulch and firewood piles would be about 12' in height.

E. Materials:

The Petitioners only plan to store branches, mulch and firewood on the Property and to deliver to the customer. The Petitioners do not store stone, brick or rock.

F. Site Plan:

The Petitioners shall develop the property in accordance with the Site Plan submitted with the Application.

G. Not Retail

The Petitioners do not intend this landscaping business to be open to the public for retail purchases. The Property will be used to house the business operations, equipment and materials.



TEBRUGGE ENGINEERING

410 E. CHURCH ST.—SUITE A
SANDWICH, IL 60548

PHONE: (815) 786-0195
EMAIL: INFO@TEBRUGGEENGINEERING.COM
WEBSITE: WWW.TEBRUGGEENGINEERING.COM

April 18, 2022

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

Re: Best Budget Tree Site Plan
2195 US Highway 52
Minooka, IL

Dear Mr. Asselmeier,

We have received your email dated April 18, 2022, and have the following comments / corrections.

1. How far from the western property will the gravel driveway be located?
Response: The drive will be 48' from the western property line and the parking area will be 30'. Additional dimensions will be added.
2. Would they have any objections to setting the maximum number of employees at 20, including the owners of the business allowed by the special use permit?
Response: No objections, there are not more than 20 employees currently.
3. Who actually owns the property? Do Fecht Brothers own the property?
Response: The current owners are Fecht Brothers but Best Budget Tree is in the process of purchasing and within their due diligence period currently.
4. The business plan mentions having several stalls to house landscaping materials. Do you have a description of these stalls (i.e. height, width, etc.)?
Response: There will not be stalls for material storage. Mulch and firewood stockpiles are too wide for stalls to be utilized.
5. Please add the location of the stalls to a site plan or landscaping plan.
Response: No stalls are proposed.
6. What is the maximum height of the materials that will be placed inside the stalls?
Response: Approximately 12' height of stockpiles
7. Are there any structures presently located on the property?
Response: There are no structures on the property, currently it is farmed land only.
8. Are there any structures located on adjacent properties within 100 feet of the property line of this property?
Response: There are barns located within the 100' adjacent to the east of the site, these have been located on the plans.
9. Are there any utilities presently located on the property?

Response: There are no utilities on the site.

10. Other than the pipeline easements, are there any other easements located on the property?

Response: No other easements are located on the plat for the property.

11. Does the existing easements for the pipelines allow non-agricultural vehicles to cross the easements? Do the pipelines have any objections to having this use going over their easements?

Response: Currently the pipelines run under US Highway 52. We will maintain the existing cover over the pipelines

12. The Kendall County GIS shows a wetland on the northwest corner of the property. Could that be added to the landscaping plan or site plan?

Response: The approximate wetlands have been added to the property per the Kendall County GIS.

13. Please provide the present zoning classifications and PINs for the subject property and adjacent properties. This information could be added to a site plan or landscaping plan or provided on a separate sheet.

Response: The PINS, property owners and current zoning has been added to the Final Plan.

14. The civil plans reference the Kane County GIS. Did you use the Kane County information or the Kendall County information?

Response: The Kendall County 2' contour map was used, this has been corrected on the plan set. A topographic survey will be conducted when conditions allow.

15. There was also some language regarding drains connecting to the sanitary sewer. Is this information correct?

Response: This might be in our standard notes. No sanitary sewer lines are in the area, this site will utilize septic and well.

16. What are the dimensions of the pond?

Response: The pond dimensions are 272' X 272'. This has been added to the plan.

17. How deep will the pond be?

Response: The pond will be 16' deep total. There is a 10' deep area for fish per the ordinance. The underwater contours have been dashed to show the wet bottom area.

18. Do the Petitioners plan to install signage on the property? If yes, please add this information to the site plan or landscaping plan.

Response: Yes, a standard sign located outside of the pipeline easement on US Highway 52, the location has been added to the plan. It will not be a lit up sign and no electric will go to it.

19. Do the Petitioners plan to install lights on the property? If yes, please state where the new lights will be located.

Response: The only lights on the property will be wall packs on the building.

20. Will there be an outdoor refuse area? If yes, please add this information to the site plan or landscaping plan.

Response: A fenced area for a small dumpster has been added to the plans.

21. The landscaping plan references a seed mix of Kentucky blue grass and turf type perennials. Where will these be planted on the property? Could the locations of these plantings be added to the landscaping plan?

Response: The mesic prairie mix will be in the detention pond. There is a note located on sheet 2 of the landscape plan. All areas outside the improvements will continue to be farmed.

22. How tall will the Colorado blue spruce be at full growth?

Response: The owner has requested White Pines instead and the height fully grown would be 50'-80'

23. What is the timeline for planting the vegetation referenced in the landscaping plan?

Response: The tree plantings will happen after the detention pond and gravel area is constructed.

24. How tall will the 80 x 120 building be?

Response: 16' walls and 14' doors.

If you have any additional questions, please contact us.

Sincerely,

Tebrugge Engineering



John Tebrugge

LEGAL DESCRIPTION

THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 15, TOWNSHIP 35 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, (EXCEPT THE NORTH 1043.62 FEET OF THE EAST 417.40 FEET THEREOF AND ALSO EXCEPT THE SOUTH 417.42 FEET OF THE EAST 417.42 FEET THEREOF, AND ALSO EXCEPT THAT PART OF THE EAST 417.40 FEET LYING NORTH OF THE NORTH LINE OF THE SOUTH 417.42 FEET AND LYING SOUTH OF THE SOUTH LINE OF THE NORTH 1109.62 FEET THEREOF, AND ALSO EXCEPT THE WEST 402 FEET OF THE EAST 819.42 FEET OF THE SOUTH 417.42 FEET THEREOF, AND ALSO EXCEPT THE WEST 402.02 FEET OF THE EAST 819.42 FEET OF THE NORTH 341.07 FEET OF THE SOUTH 758.49 FEET THEREOF), IN THE TOWNSHIP OF SEWARD, IN KENDALL COUNTY, ILLINOIS.

ALTA COMMITMENT FOR TITLE INSURANCE

Issued By:



Fidelity National Title
Insurance Company

Commitment Number:



NOTICE

IMPORTANT - READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACONTRACTUAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON.

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and the Commitment Conditions, Fidelity National Title Insurance Company, a Florida corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Policy Amount and the name of the Proposed Insured.

If all of the Schedule B, Part I-Requirements have not been met within one hundred eighty (180) days after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

Fidelity National Title Insurance Company

By:



Michael J. Nolan, President

Attest:



Marjorie Nemzura, Secretary

Countersigned By:

Authorized Officer or Agent

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; Schedule B, Part II-Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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FIDELITY NATIONAL TITLE INSURANCE COMPANY**COMMITMENT** [REDACTED]**Transaction Identification Data for reference only:**

ORIGINATING OFFICE:	FOR SETTLEMENT INQUIRIES, CONTACT:
Fidelity National Title Company, LLC 674 Veterans Pkwy, Unit C Yorkville, IL 60560 Main Phone: (630)553-3041 Email: ilyorkville@fnf.com	Fidelity National Title Company, LLC 674 Veterans Pkwy, Unit C Yorkville, IL 60560 Main Phone: (630)553-3041 Main Fax: (630)553-3047

Name and Address of Title Insurance Agent: John Robert Felton
2804 Breckenridge Circle
Aurora, IL 60504

Order Number: [REDACTED]

Property Ref.: 48 US Highway 52, Minooka, IL 60447

SCHEDULE A

1. Commitment Date: March 7, 2022
2. Policy to be issued:
 - (a) ALTA Owner's Policy 2006
Proposed Insured: Jeremy Dippold and Samantha Dippold
Proposed Policy Amount: \$607,425.00
 - (b) ALTA Loan Policy 2006
Proposed Insured: Lender with a contractual obligation under a loan agreement with the Proposed Insured for an Owner's Policy, its successors and/or assigns as their respective interests may appear
Proposed Policy Amount: \$485,940.00
3. The estate or interest in the Land described or referred to in this Commitment is:
Fee Simple
4. The Title is, at the Commitment Date, vested in:
Fecht Brothers, Inc.
5. The Land is described as follows:
SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

END OF SCHEDULE A

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ALTA Commitment for Title Insurance (08/01/2016)



EXHIBIT "A"
Legal Description

The East 1/2 of the Northeast 1/4 of Section 15, Township 35 North, Range 8 East of the Third Principal Meridian, (except the North 1043.62 feet of the East 417.40 feet thereof and also except the South 417.42 feet of the East 417.42 feet thereof, and also except that part of the East 417.40 feet lying North of the North Line of the South 417.42 feet and lying South of the South Line of the North 1109.62 feet thereof and also except the West 402 feet of the East 819.42 feet of the South 417.42 feet thereof and also except the West 402.02 feet of the East 819.42 feet of the North 341.07 feet of the South 758.49 feet thereof), in the Township of Seaward, in Kendall County, Illinois.

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FIDELITY NATIONAL TITLE INSURANCE COMPANY**COMMITMENT NO** [REDACTED]

Name and Address of Title Insurance Agent: John Robert Felton
 2804 Breckenridge Circle
 Aurora, IL 60504

**SCHEDULE B, PART I
 REQUIREMENTS**

All of the following Requirements must be met:

1. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.
2. Pay the agreed amount for the estate or interest to be insured.
3. Pay the premiums, fees, and charges for the Policy to the Company.
4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.
5. The "Good Funds" section of the Title Insurance Act (215 ILCS 155/26) is effective January 1, 2010. This Act places limitations upon our ability to accept certain types of deposits into escrow. Please contact your local Fidelity National Title office regarding the application of this new law to your transaction.
6. Payment of real estate taxes affecting the land that may be due or payable prior to closing (or as may be required by a lender to be insured). Schedule B tax exception will be amended accordingly based on a later date search and payment as noted herein.
7. For all mortgages and liens referenced below, we should be furnished with proper payoff figures, authorizations, funds and documents sufficient to pay off and release said liens at or prior to closing.
8. We should be furnished a properly executed ALTA statement and, unless the land insured is a condominium unit, a survey if available. Matters disclosed by the above documentation will be shown specifically.
9. Effective June 1, 2009, pursuant to Public Act 95-988, satisfactory evidence of identification must be presented for the notarization of any and all documents notarized by an Illinois notary public. Satisfactory identification documents are documents that are valid at the time of the notarial act; are issued by a state or federal government agency; bear the photographic image of the individual's face; and bear the individual's signature.
10. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.
11. The Company should be provided a statement from the borrower(s) relative to any mortgage identified in Schedule B disclosing whether the borrower(s) have entered into any forbearance or loan modification agreement with the lender relative to delayed or postponed payments or other restructuring of the debt secured by the mortgage.
12. A mortgage to secure an indebtedness as shown below
 Amount: \$500,000.00
 Dated: March 30, 2020

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**SCHEDULE B, PART I
REQUIREMENTS**
(continued)

Mortgagor: Fecht Brothers, Inc.
 Mortgagee: Compeer Financial, PCA
 Recording Date: April 9, 2020
 Recording No: 202000005551

(Affects land and other property)

13. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

Name of Corporation: Fecht Brothers, Inc.

- a) A Copy of the corporation By-laws and Articles of Incorporation
- b) An original or certified copy of a resolution authorizing the transaction contemplated herein
- c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent
- d) A current dated certificate of good standing from the proper governmental authority of the state in which the entity was created

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

- 14. The Company should be furnished a statement that there is no property manager employed to manage the Land, or, in the alternative, a final lien waiver from any such property manager.
- 15. The Land described in Schedule A either is unsubdivided property or constitutes part of a subdivided lot. As a result, a Plat Act Affidavit should accompany any conveyance to be recorded. In the alternative, compliance should be had with the provisions of the Plat Act (765 ILCS 205/1 et seq.)
- 16. For each policy to be issued as identified in Schedule A, Item 2; the Company shall not be liable under this commitment until it receives a designation for a Proposed Insured, acceptable to the Company. As provided in Commitment Condition 4, the Company may amend this commitment to add, among other things, additional exceptions or requirements after the designation of the Proposed Insured.
- 17. The Company will require a survey of the subject Land, which is in compliance with minimum technical standards, prepared by a duly registered and licensed surveyor. If the owner of the Land the subject of this transaction is in possession of a survey, the Company will require that said survey be submitted for review and approval; otherwise, a new survey, satisfactory to the Company, must be submitted to the Company for examination. In order to prevent delays, please furnish the survey at least 10 days prior to the close of this transaction.

If an existing survey is to be relied upon, an affidavit from the seller(s)/mortgagor(s) must be furnished to the Company stating that no improvements have been made on the Land the subject of this transaction or adjacent

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ALTA Commitment for Title Insurance (08/01/2016)



**SCHEDULE B, PART I
REQUIREMENTS**
(continued)

thereto subsequent to the survey presented to the Company.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

18. Note for Information regarding endorsement requests:

All endorsements requests should be made prior to closing to allow ample time for the Company to examine required documentation.

END OF SCHEDULE B, PART I

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FIDELITY NATIONAL TITLE INSURANCE COMPANY**COMMITMENT NO. Y [REDACTED]**

Name and Address of Title Insurance Agent: John Robert Felton
 2804 Breckenridge Circle
 Aurora, IL 60504

**SCHEDULE B, PART II
 EXCEPTIONS**

THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.

The Policy will not insure against loss or damage resulting from the terms and provisions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

GENERAL EXCEPTIONS

1. **Rights or claims of parties in possession not shown by Public Records.**
2. **Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the Land.**
3. **Easements, or claims of easements, not shown by the Public Records.**
4. **Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.**
5. **Taxes or special assessments which are not shown as existing liens by the Public Records.**
6. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I—Requirements are met.
- A 7. Taxes for the years 2021 and 2022.

 Taxes for the years 2021 and 2022 are not yet due or payable.

 Permanent Tax No.: 09-15-200-003-0000

 Note: Taxes for the year 2020 amounting to \$1,357.62 are paid of record.
- H 8. Existing unrecorded leases and all rights thereunder of the lessees and of any person or party claiming by, through or under the lessees.
- B 9. Rights of Way for drainage tiles, ditches, feeders, laterals and underground pipes, if any.

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SCHEDULE B, PART II
EXCEPTIONS
 (continued)

- C 10. Rights of the public, the State of Illinois and the municipality in and to that part of the Land, if any, taken or used for road purposes, including, but not limited to that part thereof falling within Route 52 and that part thereof falling within Arbeiter Road.
- D 11. Easement in favor of the Commonwealth Edison Company, and its/their respective successors and assigns, to install, operate and maintain all equipment necessary for the purpose of serving the Land and other property, together with the right of access to said equipment, and the provisions relating thereto contained in the grant recorded/filed as Document No. 81-3521, affecting that part of the Land falling within the road on the Southerly line.
- E 12. Grant dated July 23, 1949 and recorded August 29, 1949 in book 107 of deeds, page 62 made by Clifford Findlay and Dortha Findlay, his wife to Michigan-Wisconsin Pipeline Company, a Delaware, Corporation, its successors and/or assigns, of the right to lay, maintain, operate and remove a pipe line for the transportation of oil, gas, petroleum or any of its products with the right of ingress and egress to and from the same, on, over and through a strip of Land 75 feet in width extending in a Southeasterly direction across the Southwest 1/4 of the Land, and a grant dated February 4, 1960 and recorded February 29, 1960 for a new pipe line to be constructed two feet below the existing tile or at the same depth of the presently existing pipe line.
- F 13. Easement in favor of Lakehead Pipe Line Company for the purpose of an exclusive right-of-way and perpetual easement to construct, operate, maintain, inspect (including aerial patrol), remove, abandon in place, replace and reconstruct a pipeline, together with valves, fittings, protective apparatus and all other equipment and appurtenances, as may be convenient in connection therewith for the transportation of crude petroleum and any product, by-product and derivatives thereof, whether liquid or gaseous, or any material or substance which can be conveyed through a pipeline on, over under and across a strip of Land, recorded/filed June 12, 1998 as Document No. 9807782, and the terms and provisions contained therein. See Document for exact location.
- G 14. Easement in favor of Guardian pipeline, LLC for the purpose of an exclusive perpetual easement in, through, upon and over a strip of Land 50 feet in width to lay, construct, test, operate, inspect, maintain, patrol, replace, repair, reconstruct, alter, relocate, enlarge and remove a pipeline with any associated valves, connections and appurtenances for the transmission of gas and associated condensates in, through, upon and over said Strip of Land, together with the right of ingress and egress to said Strip of Land at convenient points recorded/filed June 21, 2002 as Document No. 200200014405, and the terms and provisions contained therein. See Document for exact location.
- I 15. Note: The only conveyance(s) affecting said Land recorded within 24 months of the date of this commitment are as follows:
- Grantor: Alan Leupold, as Trustee under Trust Agreement dated June 22, 2006 and known as the Wayne Leupold Revocable Trust
 Grantee: Fecht Brothers, Inc.
 Recording Date: May 2, 2011
 Recording No: 201100007151

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FIDELITY NATIONAL TITLE INSURANCE COMPANY

COMMITMENT NO. Y [REDACTED]

**SCHEDULE B, PART II
EXCEPTIONS**
(continued)

END OF SCHEDULE B, PART II

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FIDELITY NATIONAL TITLE INSURANCE COMPANY

COMMITMENT NO. Y [REDACTED]

COMMITMENT CONDITIONS**1. DEFINITIONS**

- (a) "Knowledge" or "Known": Actual or imputed knowledge, but not constructive notice imparted by the Public Records.
- (b) "Land": The land described in Schedule A and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.
- (c) "Mortgage": A mortgage, deed of trust, or other security instrument, including one evidenced by electronic means authorized by law.
- (d) "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.
- (e) "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
- (f) "Proposed Policy Amount": Each dollar amount specified in Schedule A as the Proposed Policy Amount of each Policy to be issued pursuant to this Commitment.
- (g) "Public Records": Records established under state statutes at the Commitment Date for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge.
- (h) "Title": The estate or interest described in Schedule A.

2. If all of the Schedule B, Part I-Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:

- (a) the Notice;
- (b) the Commitment to Issue Policy;
- (c) the Commitment Conditions;
- (d) Schedule A;
- (e) Schedule B, Part I-Requirements;
- (f) Schedule B, Part II-Exceptions; and
- (g) a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company shall not be liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY

- (a) The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
 - (i) comply with the Schedule B, Part I-Requirements;
 - (ii) eliminate, with the Company's written consent, any Schedule B, Part II-Exceptions; or
 - (iii) acquire the Title or create the Mortgage covered by this Commitment.
- (b) The Company shall not be liable under Commitment Condition 5(a) if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.
- (c) The Company will only have liability under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.
- (d) The Company's liability shall not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Conditions 5(a)(i) through 5(a)(iii) or the Proposed Policy Amount.
- (e) The Company shall not be liable for the content of the Transaction Identification Data, if any.
- (f) In no event shall the Company be obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I-Requirements have been met to the satisfaction of the Company.
- (g) In any event, the Company's liability is limited by the terms and provisions of the Policy.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT

- (a) Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.
- (b) Any claim must be based in contract and must be restricted solely to the terms and provisions of this Commitment.

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FIDELITY NATIONAL TITLE INSURANCE COMPANY**COMMITMENT NO. Y**

(continued)

- (c) Until the Policy is issued, this Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.
- (d) The deletion or modification of any Schedule B, Part II-Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.
- (e) Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.
- (f) When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT HAS BEEN ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for the purpose of providing closing or settlement services.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

9. ARBITRATION

The Policy contains an arbitration clause. All arbitrable matters when the Proposed Policy Amount is Two Million And No/100 Dollars (\$2,000,000.00) or less shall be arbitrated at the option of either the Company or the Proposed Insured as the exclusive remedy of the parties. A Proposed Insured may review a copy of the arbitration rules at <http://www.alta.org/arbitration>.

END OF CONDITIONS**1031 EXCHANGE SERVICES**

If your transaction involves a tax deferred exchange, we offer this service through our 1031 division, IPX1031. As the nation's largest 1031 company, IPX1031 offers guidance and expertise. Security for Exchange funds includes segregated bank accounts and a 100 million dollar Fidelity Bond. Fidelity National Title Group also provides a 50 million dollar Performance Guaranty for each Exchange. For additional information, or to set-up an Exchange, please call Scott Nathanson at (312)223-2178 or Anna Barsky at (312)223-2169.

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Inquire before you wire!

WIRE FRAUD ALERT

This Notice is not intended to provide legal or professional advice.
If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. **DO NOT** use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the number of relevant parties to the transaction as soon as an escrow account is opened.** **DO NOT** send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do **NOT** reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
<http://www.fbi.gov>

Internet Crime Complaint Center:
<http://www.ic3.gov>

FIDELITY NATIONAL FINANCIAL PRIVACY NOTICE

Effective January 1, 2021

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (e.g., name, address, phone number, email address);
- demographic information (e.g., date of birth, gender, marital status);
- identity information (e.g. Social Security Number, driver's license, passport, or other government ID number);
- financial account information (e.g. loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;
- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information

We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information

If you do not want FNF to share your information among our affiliates to directly market to you, you may send an "opt out" request as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (<https://fnf.com/pages/californiaprivacy.aspx>) or call (888) 413-1748.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

Information From Children

The FNF Websites are not intended or designed to attract persons under the age of eighteen (18). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users

FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans

Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

Your Consent To This Privacy Notice; Notice Changes; Use of Comments or Feedback

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice.

Accessing and Correcting Information; Contact Us

If you have questions, would like to correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, visit FNF's [Opt Out Page](#) or contact us by phone at (888) 934-3354 or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue,
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

Fidelity National Title Company, LLC
 674 Veterans Pkwy, Unit C
 Yorkville, IL 60560
 Phone: (630)553-3041 Fax: (630)553-3047

INITIAL FEE QUOTE

John Robert Felton
 2804 Breckenridge Circle
 Aurora, IL 60504

Order Number: [REDACTED]

Invoice Date:
 Invoice Number:

[REDACTED]

Delivered:

Buyer/Borrower(s): Jeremy Dippold and
 Samantha Dippold
 Lender: Lender with a contractual
 obligation under a loan
 agreement with the Proposed
 Insured for an Owner's Policy

Seller(s): Fecht Brothers, Inc

Property Description (1):

48 US Highway 52, Minooka, IL 60447
 Parcel ID(s): 09-15-200-003-0000

Policies Applied For: ALTA Loan Policy 2006 \$485,940.00
 ALTA Owner's Policy 2006 \$607,425.00

Description	Seller Charge	Buyer Charge
Owner's Policy (Coverage \$607,425.00) (ALTA Owner's Policy 2006)	2,695.00	0.00
Loan Policy (Coverage \$485,940.00) (ALTA Loan Policy 2006)	0.00	525.00
ALTA 8.1-06 - Environmental Protection Lien (CLTA 110.9-06)	0.00	175.00
ALTA 9-06 - Restrictions, Encroachments, Minerals	0.00	175.00
SE 32-06 - Homeowner's Inflation Protection (Residential)	0.00	175.00
Extended Coverage Endorsement	0.00	0.00
Escrow Fees - Borrower	0.00	2,000.00
CPL Fee to Buyer	0.00	25.00
CPL Fee to Seller	50.00	0.00
CPL Fee to Lender	0.00	25.00
Overnight Delivery & Handling	50.00	50.00
Recording Fees (Deed, Mortgage/Deed of Trust)	0.00	134.00
County Transfer Tax (Deed)	303.75	0.00
State Transfer Tax	607.50	0.00
Recording Service Fee	0.00	15.00
Commitment Update Fee	150.00	0.00
Policy Update Fee	0.00	150.00
Chain of Title 24 Month	0.00	250.00
State of Illinois Policy Registration Fee	3.00	3.00
Email Package Service Fee	0.00	50.00
Tax Paying Agent Fees	50.00	0.00
Wire Transfer Service Fee	50.00	50.00
TOTALS:	\$3,959.25	\$3,802.00
GRAND TOTAL:		\$7,761.25

Invoice Notes: 1. Recording Fees are an estimate. Please refer to www.FNTiweb.com for actual recording fees.
 2. Settlement Agent License ID: TA.13.1303663
 3. Preliminary Fee Quote includes an estimated Tax Paying Agent Fee in the event Fidelity is paying taxes at closing.



Applicant: Best Budget Tree Service

Contact: Jeremy Dippold

Address: 22419 W Renwick Rd
Plainfield, IL 60544

IDNR Project Number: 2212088

Date: 04/15/2022

Project: Best Budget Tree Site Plan

Address: 2195 US Highway 52, Minooka

Description: Construct an entry drive, commercial building, gravel storage area and detention pond for a Tree Business

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Aux Sable Creek INAI Site

Greater Redhorse (*Moxostoma valenciennesi*)

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Kendall

Township, Range, Section:

35N, 8E, 10

35N, 8E, 15



IL Department of Natural Resources

Contact

Kyle Burkwald

217-785-5500

Division of Ecosystems & Environment

Government Jurisdiction

Kendall County Planning, Building & Zoning

Matt Asselmeier

111 W Fox Street

Yorkville, Illinois 60560

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

**EcoCAT Receipt****Project Code** 2212088**APPLICANT****DATE**

Best Budget Tree Service
 Jeremy Dippold
 22419 W Renwick Rd
 Plainfield, IL 60544

4/15/2022

DESCRIPTION**FEE****CONVENIENCE FEE****TOTAL PAID**

EcoCAT Consultation

\$ 125.00

\$ 2.81

\$ 127.81

TOTAL PAID**\$ 127.81**

Illinois Department of Natural Resources
 One Natural Resources Way
 Springfield, IL 62702
 217-785-5500
dnr.ecocat@illinois.gov



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Colleen Callahan, Director

April 18, 2022

Jeremy Dippold
Best Budget Tree Service
22419 W Renwick Rd
Plainfield, IL 60544

RE: Best Budget Tree Site Plan
Project Number(s): 2212088
County: Kendall

Dear Applicant:

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

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

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

Please contact me if you have questions regarding this review.



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

Please fill out the following findings of fact to the best of your capabilities. §13:08.J of the Zoning Ordinance outlines findings that the Zoning Board of Appeals shall consider in rendering a decision, but is not required to make an affirmative finding on all items in order to grant a **special use**. They are as follows:

That the establishment, maintenance, and operation of the special use will not be detrimental to, or endanger, the public health, safety, morals, comfort, or general welfare.

True. The Petitioner has submitted a site plan indicating that measures will be taken to ensure that the use will not have a negative impact on public health, safety, morals, comfort or general welfare.

The Petitioner agrees to follow all applicable public health and public safety related laws.

That the special use will not be substantially injurious to the use and enjoyment of other properties in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood. The Zoning classification of property within the general area of the property in question shall be considered in determining consistency with this standard. The proposed use shall make adequate provisions for appropriate buffers, landscaping, fencing, lighting, building materials, open space and other improvements necessary to insure that the proposed use does not adversely impact adjacent uses and is compatible with the surrounding area and/or the County as a whole.

True. Conditions are proposed that will regulate hours of operation and site layout. The site plan makes provisions for landscaping, lighting, open spaces and improvements to ensure the proposed use will not adversely impact adjacent uses and is compatible with the surrounding area and County.

That adequate utilities, access roads and points of ingress and egress, drainage, and/or other necessary facilities have been or are being provided.

True. The property will have adequate utilities, access to the property and only one point of ingress and egress off of Route 52.

That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the County Board pursuant to the recommendation of the Zoning Board of Appeals

True. No variances have been requested.

That the special use is consistent with the purpose and objectives of the Land Resource Management Plan and other adopted County or municipal plans and policies.

True. The proposed use is consistent with an objective found on Pages 3-5 of the Kendall County Land Resource Management Plan which calls for " a strong base of agricultural, commercial and industrial use that provide a broad range of job opportunities, a healthy tax base and improved quality of services..."



Kendall County Soil & Water
Conservation District

7775A Route 47, Yorkville, Illinois 60560 • (630)553-5821 extension 3



www.kendallswcd.org

NATURAL RESOURCE INFORMATION (NRI) REPORT APPLICATION

Petitioner: Best Budget Tree Service

Address: 22419 W Renwick Rd

City, State, Zip: Plainfield, IL 60544

Phone Number: () 815-685-2444

Email: bestbudgettree@yahoo.com

Contact Person: Jeremy Dippold

22419 W Renwick Rd

Plainfield, IL 60544

Please select: How would you like to receive a copy of the NRI Report? ☐ Email ☐ Mail

Site Location & Proposed Use

Township Name Seward **Township** 35N **N, Range** 8E **E, Section(s)** 15

Parcel Index Number(s) 09-15-200-003

Project or Subdivision Name Best Budget Tree Site Plan **Number of Acres** 48.59

Current Use of Site A1 **Proposed Use** A1-SU

Proposed Number of Lots 1 **Proposed Number of Structures** 1

Proposed Water Supply Well **Proposed type of Wastewater Treatment** Septic

Proposed type of Storm Water Management Wet Bottom Detention Pond

Type of Request

☒ Change in Zoning from A1 to A1-SU

☐ Variance (Please describe fully on separate page)

☒ Special Use Permit (Please describe fully on separate page)

Name of County or Municipality the request is being filed with: Kendall County

In addition to this completed application form, please including the following to ensure proper processing:

☒ **Plat of Survey/Site Plan** – showing location, legal description and property measurements

☒ **Concept Plan** - showing the locations of proposed lots, buildings, roads, stormwater detention, open areas, etc.

☐ If available: topography map, field tile map, copy of soil boring and/or wetland studies

☒ **NRI fee** (Please make checks payable to Kendall County SWCD)

The NRI fees, as of July 1, 2010, are as follows:

Full Report: \$375.00 for five acres and under, plus \$18.00 per acre for each additional acre or any fraction thereof over five.

Executive Summary Report: \$300.00 (KCSWCD staff will determine when a summary or full report will be necessary.)

Fee for first five acres and under \$ 375.00

44 Additional Acres at \$18.00 each \$ 792

Total NRI Fee \$ 1167

NOTE: Applications are due by the 1st of each month to be on that month's SWCD Board Meeting Agenda. Once a completed application is submitted, please allow 30 days for inspection, evaluation and processing of this report.

I (We) understand the filing of this application allows the authorized representative of the Kendall County Soil and Water Conservation District (SWCD) to visit and conduct an evaluation of the site described above. The completed NRI report expiration date will be 3 years after the date reported.

[Signature]
Petitioner or Authorized Agent

4.19.22
Date

This report will be issued on a nondiscriminatory basis without regard to race, color, religion, national origin, age, sex, handicap or marital status.

FOR OFFICE USE ONLY

NRI# _____ Date initially rec'd _____ Date all rec'd _____ Board Meeting _____
Fee Due \$ _____ Fee Paid \$ _____ Check # _____ Over/Under Payment _____ Refund Due _____

SITE DATA:

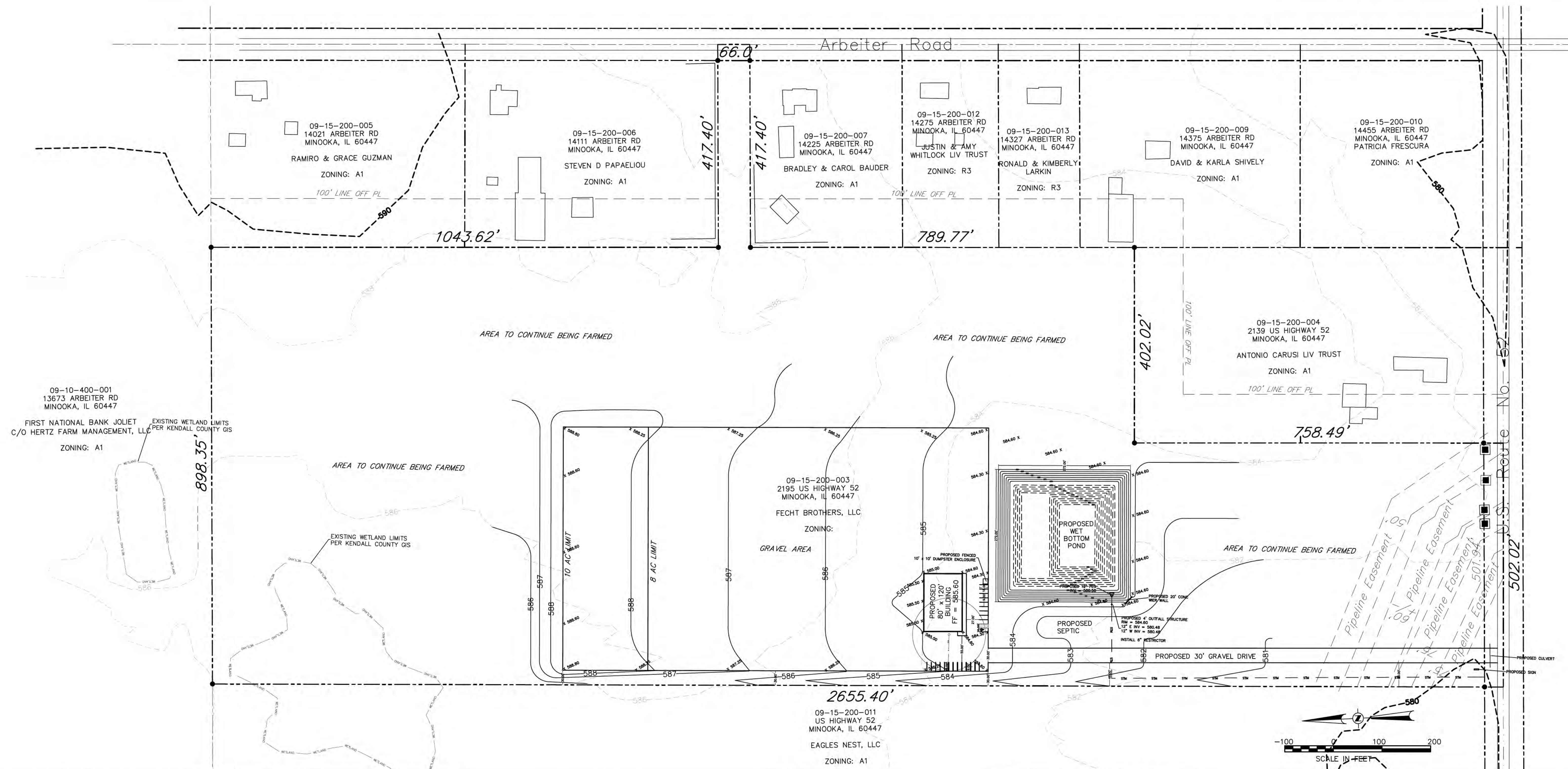
Total Site Area:	48.59 ac.
Current Zoning:	A1
Proposed Zoning:	A1-SU
Current Land Use:	Agriculture
Proposed Land Use:	Improved Agricultural

PARKING:

Provided Parking Stalls	21 stalls
Required Parking Stalls	20 stalls
Provided Handicap Stalls	1 stalls
Required Handicap Stalls	1 stalls

IMPERVIOUS AREA TABLE:

Total Site Area:	48.59 ac. 2,116,580 sf
Existing Impervious:	0 s.f.
Existing Landscape:	2,116,580 s.f.
Proposed Building:	10,704 s.f.
Proposed Gravel:	457,781 s.f.
Total Impervious:	468,485 s.f.
Total Landscape:	1,648,095 s.f.
Percent Impervious Coverage:	22.1%
Percent Landscape Coverage:	77.9%



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

[illegible]

PREPARED FOR:
BEST BUDGET TREE SERVICE
22419 W RENWICK RD, PLAINFIELD, IL

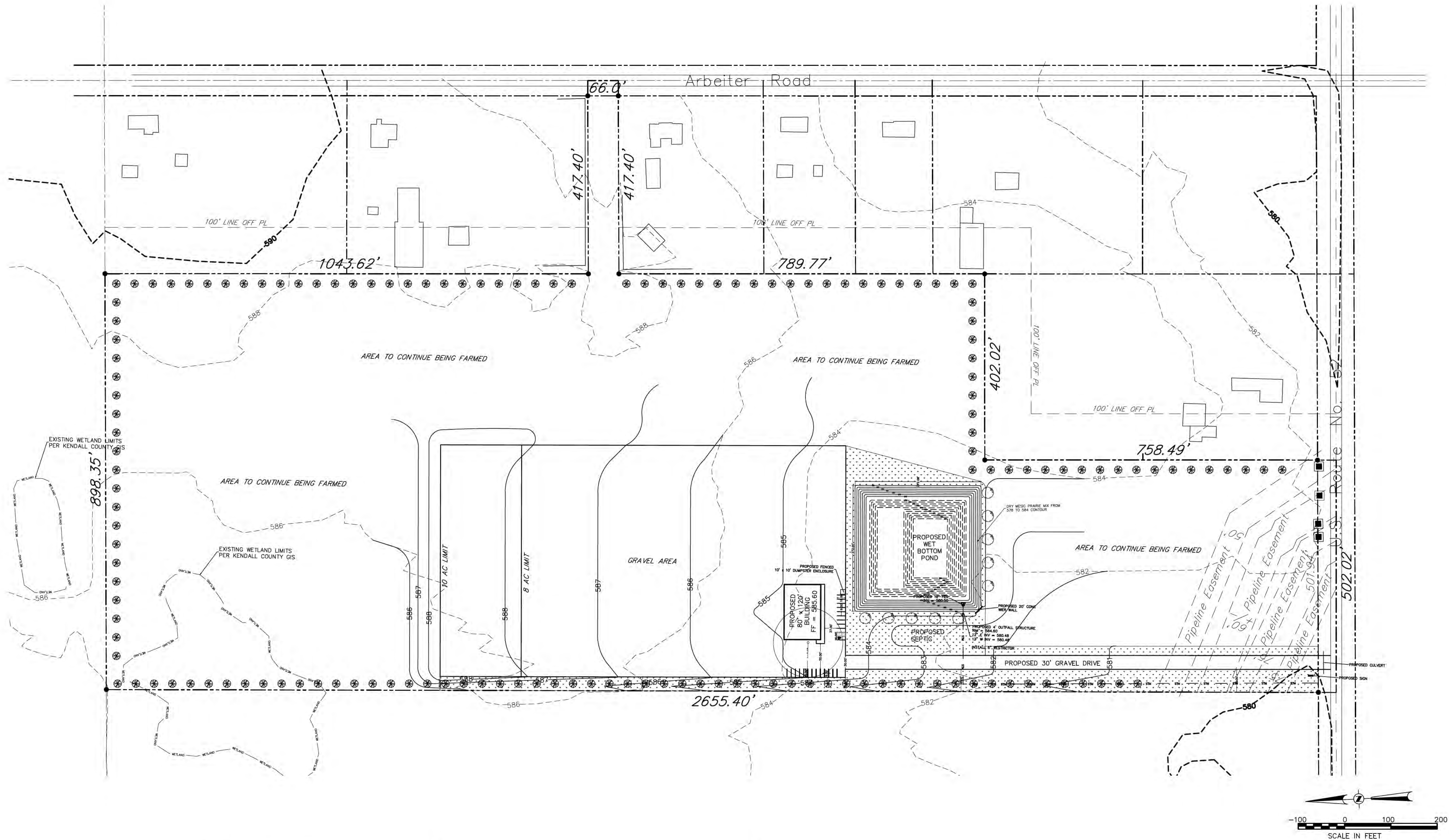
BEST BUDGET TREE SITE PLAN

FINAL PLAN

PROJECT NO.	22 424 02
SCALE:	1" = 100'
DATE:	APRIL 14, 2022

SHEET NO.
1
OF 1 SHEET

LANDSCAPE PLAN FOR BEST BUDGET TREE



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

NO.	DATE	NOTES

PREPARED FOR:
BEST BUDGET TREE SERVICE
22419 W RENWICK RD, PLAINFIELD, IL

BEST BUDGET TREE SITE PLAN LANDSCAPE PLAN

PROJECT NO. 22 424 02
SCALE: 1" = 100'
DATE: APRIL 14, 2022

SHEET NO. **1**
OF 1 SHEET

LANDSCAPE NOTES

PART 1 – GENERAL

1.01 DESCRIPTION

A. PROVIDE TURF, TREES, SHRUBS, AND GROUND COVER AS SHOWN AND SPECIFIED. THE WORK INCLUDES:

1. SOIL PREPARATION
2. FERTILIZATION
3. SEEDING
4. TREES, SHRUBS, AND GROUND COVERS
5. MULCH AND PLANT ACCESSORIES
6. MAINTENANCE AND GUARANTEE
7. CLEANING UP WORK AREAS

1.02 QUALITY ASSURANCE

- COMPLY WITH APPLICABLE LOCAL REGULATIONS.
- SOD: COMPLY WITH AMERICAN SOD PRODUCERS ASSOCIATION (ASPA) CLASSES OF SOD MATERIAL.
- PLANT NAMES INDICATED COMPLY WITH "STANDARD PLANT NAMES" AS ADOPTED BY THE LATEST EDITION OF THE AMERICAN JOINT COMMITTEE OF HORTICULTURAL NOMENCLATURE, NAMES OF VARIETIES NOT LISTED CONFORM GENERALLY WITH NAMES ACCEPTED BY THE NURSERY TRADE. PROVIDE STOCK TRUE TO BOTANICAL NAME AND LEGALLY TAGGED.
- COMPLY WITH SIZING AND GRADING STANDARDS OF THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK". A PLANT SHALL BE DIMENSIONED AS IT STANDS IN ITS NATURAL POSITION.
- ALL PLANTS SHALL BE NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS.

1.03 SUBMITTALS

- SEED: SUBMIT SEED VENDOR'S CERTIFICATION FOR REQUIRED GRASS SEED MIXTURE, INDICATING PERCENTAGE BY WEIGHT, AND PERCENTAGES OF PURITY, GERMINATION, AND WEED SEED FOR EACH GRASS SPECIES.
- SOD: SUBMIT SOD GROWER'S CERTIFICATION OF GRASS SPECIES. IDENTIFY SOURCE.
- MULCH
- STRAW BLANKET

1.04 DELIVERY, STORAGE, AND HANDLING

- SEED: DELIVER SEED AND FERTILIZE MATERIALS IN ORIGINAL UNOPENED CONTAINERS, SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. STORE IN MANNER TO PREVENT WETTING AND DETERIORATION.
- SOD: DELIVER AND INSTALL SOD CUT WITHIN 48-HOUR PERIOD.
- DELIVER FERTILIZER MATERIALS IN ORIGINAL, UNOPENED, AND UNDAMAGED CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. STORE IN MANNER TO PREVENT WETTING AND DETERIORATION.
- TAKE ALL PRECAUTIONS CUSTOMARY IN GOOD TRADE PRACTICE IN PREPARING PLANTS FOR MOVING. WORKMANSHIP THAT FALLS TO MEET THE HIGHEST STANDARDS WILL BE REJECTED. DIG, PACK, TRANSPORT, AND HANDLE PLANTS WITH CARE TO ENSURE PROTECTION AGAINST INJURY. INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER TO STOCK AND ON ARRIVAL. THE CERTIFICATE SHALL BE FILLED WITH THE LANDSCAPE ARCHITECT. PROTECT ALL PLANTS FROM DYING OUT. IF PLANTS CANNOT BE PLANTED IMMEDIATELY UPON DELIVERY, PROPERLY PROTECT THEM WITH SOIL, OR MULCH. WATER HEELED-IN PLANTINGS REGULARLY.
- COVER PLANTS TRANSPORTED ON OPEN VEHICLES WITH A PROTECTIVE COVERING TO PREVENT WINDBURN, WHEN IN LEAF.

1.05 PROJECT CONDITIONS

- CONFIRM THAT THE QUALITY AND DEPTH OF TOPSOIL IS SATISFACTORY PRIOR TO BEGINNING FINE GRADING.
- FINE GRADING MUST BE APPROVED BY OWNER PRIOR TO START OF SEEDING OR SODDING.
- PERFORM GRASSING WORK ONLY AFTER PLANTING AND OTHER WORK AFFECTING GROUND SURFACE HAS BEEN COMPLETED.
- INSTALL SEED UNDER FAVORABLE WEATHER CONDITIONS UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. THE GENERALLY ACCEPTED TIMES FOR SEEDING ARE:

SPRING – APRIL 1ST TO MAY 31ST
FALL – AUGUST 15TH TO SEPTEMBER 30TH

1.06 GUARANTEE

- GUARANTEE ALL WORK FOR ONE YEAR FOLLOWING THE DATE OF INSTALLATION.
- AT THE END OF THE GUARANTEE PERIOD, RESEED AND RESED AREAS WITH SPECIFIED MATERIALS, WHICH FAIL TO PROVIDE A UNIFORM STAND OF GRASS.
- REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE DEAD OR, AS DETERMINED BY THE LANDSCAPE ARCHITECT, ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION.
- GUARANTEE SHALL NOT INCLUDE DAMAGE OR LOSS OF TREES, PLANTS, GROUND COVERS, OR TURF CAUSED BY FIRES, FLOODS, FREEZING RAINS, LIGHTNING STORMS, OR WINDS OVER 75 MILES PER HOUR, WINTER KILL CAUSED BY EXTREME COLD AND SEVERE WINTER CONDITIONS NOT TYPICAL OF PLANTING AREA; OR ACT OF VANDALISM.

PART 2 – PRODUCTS

2.01 MATERIALS

- SEED/SOD FERTILIZER:
 1. GRANULAR, 10-10-10. ALL PURPOSE AT A RATE OF 1LBS N-P-K PER 1,000 S.F.
- PLANT FERTILIZER:
 1. PROVIDE A GRANULAR COMMERCIAL FERTILIZER WITH AN ANALYSIS OF 10-10-10.
- SEED:
 1. LAWN SEED: FRESH, CLEAN SEED FROM MOST RECENTLY HARVESTED CROP WHICH COMPLIES WITH ALL LOCAL, STATE, AND FEDERAL SEED AND WEED LAWS IS FREE FROM POA ANNUAL, BENT GRASS AND NOXIOUS WEEDS.
 2. BLEND: PERCENT BY WEIGHT:

FIELD OF DREAMS RESEEDER MIX, (AS AVAILABLE FROM NATURAL SEED, DOWNERS GROVE, IL)

2 – NAMED KENTUCKY BLUE GRASSES 50%
2 – NAMED TURF TYPE PERENNIAL GRASSES 50%
 3. BOTTOM OF STORM WATER MANAGEMENT BASINS TO BE OVER SEEDED WITH RED TOP SEED AT A RATE OF 50 LBS PER ACRE.
- PLANTS: PROVIDE PLANTS TYPICAL OF THEIR SPECIES OR VARIETY WITH NORMAL, DENSELY DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY PLANTS FREE FROM DEFECTS, SUN SCALD INJURIES, FROST CRACKS, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL PLANTS SHALL HAVE A FULL DEVELOPMENT FORM.
 1. DIG BALLED AND BURLAPPED PLANTS WITH FIRM, NATURAL BALLS OR EARTH. PROVIDE BALL SIZES COMPLYING WITH THE LATEST EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK".
 2. PROVIDE SHADE AND EVERGREEN TREE SPECIES WITH A SINGLE MAIN TRUNK UNLESS OTHERWISE SPECIFIED OR ACCEPTED.
 3. PROVIDE PLANTS MATCHED IN FORM WHEN ARRANGED IN GROUPS.
 4. PROVIDE EVERGREEN TREES BRANDED TO THE GROUND UNLESS OTHERWISE SPECIFIED OR ACCEPTED.
 5. PROVIDE SHRUBS AND SMALL PLANTS MEETING THE REQUIREMENTS FOR SPREAD AND HEIGHT INDICATED IN THE PLANT LIST.
 - a. THE MEASUREMENTS FOR HEIGHT SHALL BE TAKEN FROM THE GROUND LEVEL TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT AND NOT THE LONGEST BRANCH.

PART 3 – EXECUTION

3.01 INSPECTION

- EXAMINE FINISH SURFACE GRADES, TOPSOIL QUALITY, DEPTH, AND CONDITIONS OF INSTALLATIONS.

3.02 PREPARATION

- LOOSEN TOPSOIL OF LAWN AREAS TO MINIMUM DEPTH OF 2". REMOVE STONES OVER 1" IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND EXTRANEOUS MATTER.
- GRADE LAWN AREAS TO SMOOTH, FREE DRAINING AND EVEN SURFACE WITH A LOOSE, UNIFORMLY FINE TEXTURE. MECHANICALLY OR MANUALLY RAKE; REMOVE RIDGES AND FILL DEPRESSIONS AS REQUIRED TO DRAIN.
- RESTORE PREPARED AREAS TO SPECIFIED CONDITION IF ERODED, SETTLED, OR OTHERWISE DISTURBED AFTER FINE GRADING AND PRIOR TO SEEDING OR SODDING.
- TIME OF PLANTING:
 1. EVERGREEN MATERIAL: PLANT EVERGREEN MATERIALS BETWEEN SEPTEMBER 2ND AND NOVEMBER 1ST OR IN SPRING BEFORE NEW GROWTH BEGINS.
 2. DECIDUOUS MATERIAL: PLANT DECIDUOUS MATERIALS IN A DORMANT CONDITION OR PRE-DIG AND HEAL UNTIL SITE IS READY.
- LOCATE PLANTS AS INDICATED AND APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
- ROTTOTILL ALL GROUND COVER BEDS.
- PROVIDE SHRUB PITS AT LEAST 8" GREATER THAN THE DIAMETER OF THE ROOT SYSTEM AND 12" GREATER FOR TREES.

3.03 SEED INSTALLATION

- TURF AREAS:
 1. SEED IMMEDIATELY AFTER PREPARATION OF BED.
 2. PERFORM SEEDING OPERATIONS WHEN THE SOIL IS DRY AND WHEN WINDS DO NOT EXCEED 20 MILES PER HOUR VELOCITY.
- SOW SEED AT 300 LBS. PER ACRE.
 - a. CONVENTIONAL SEEDING:
 - i. APPLY SEED WITH A ROTARY OR DROP TYPE DISTRIBUTOR. SEED EVENLY.
 - a.2. AFTER SEEDING, RAKE SOIL SURFACE LIGHTLY TO INCORPORATE SEED.
- WITHIN 24 HOURS, PLACE STRAW BLANKET OVER ALL SEEDED AREAS, PLACE BLANKET PERPENDICULAR TO CONTOUR LINES AND FASTEN IN PLACE PER MANUFACTURER'S RECOMMENDATIONS.

3.04 PLANT INSTALLATION

- TREES AND SHRUBS:
 1. SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. DO NOT FILL AROUND TRUNKS OR STEMS.
 2. AFTER BALLED OR BURLAPPED PLANTS ARE SET, FILL ALL VOIDS.
 3. MIX APPROVED COMMERCIAL FERTILIZER AT 10 LBS. PER CUBIC YARD OF BACKFILL.
- GROUND COVERS:
 1. WHERE GROUND COVERS ARE SPECIFIED ON THE PLANS, ROTO TILL ENTIRE PLANT BED TO 6" DEPTH USING AMENDED TOPSOIL. INCORPORATE COMMERCIAL 10-10-10 FERTILIZER INTO PREPARED SOIL MIXTURE AT AN APPROPRIATE RATE OF 1 LB. PER SQUARE YARD.
- MULCHING:
 1. MULCH TREE AND SHRUB PLANTING PITS AND SHRUB BEDS WITH REQUIRED MULCHING MATERIAL 3" DEEP IMMEDIATELY AFTER PLANTING. THOROUGHLY WATER MULCHED AREAS. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.
- WRAPPING:
 1. INSPECT TREES FOR INJURY TO TRUNKS, EVIDENCE OF INSECT INFESTATIONS, AND IMPROPER PRUNING BEFORE WRAPPING.
 2. WRAP TRUNKS OF ALL TREES SPIRALLY FROM BOTTOM TO TOP WITH SPECIFIED TREE WRAP AND SECURE IN PLACE. WRAPPING IS AT THE DISCRETION OF THE CONTRACTOR.

E. PRUNING:

1. PRUNE BRANCHES OF DECIDUOUS STOCK, AFTER PLANTING, TO PRESERVE THE NATURAL CHARACTER APPROPRIATE TO THE PARTICULAR PLANT REQUIREMENTS. IN GENERAL, REMOVE APPROXIMATELY ¼ OF THE LEAF BEARING BUDS. REMOVE OR CUT BACK BROKEN, DAMAGED, AND UNSYMMETRICAL GROWTH OF NEW WOOD.
2. MULTIPLE LEADER PLANTS: PRESERVE THE LEADER WHICH WILL BEST PROMOTE THE SYMMETRY OF THE PLANT. CUT BRANCHES FLUSH WITH THE TRUNK OR MAIN BRANCH, AT DIAMETER OF THE SUPPORTING BRANCH. MAKE CUT ON AN ANGLE.
3. PRUNE EVERGREENS ONLY TO REMOVE BROKEN OR DAMAGED BRANCHES.

3.05 FINAL COMPLETION, INSPECTION, AND ACCEPTANCE

- UPON COMPLETION INSPECTION OF ALL WORK WILL BE MADE BY THE OWNER OR HIS REPRESENTATIVE. AT THAT TIME IF ALL WORK IS SATISFACTORY, THAT WILL CONSTITUTE FINAL ACCEPTANCE.
- SEEDED AREAS WILL BE INSPECTED AT COMPLETION OF THE INSTALLATION AND ACCEPTED SUBJECT TO COMPLIANCE WITH SPECIFIED MATERIALS AND INSTALLATION REQUIREMENTS.
 1. SEEDED AREAS WILL BE ACCEPTABLE PROVIDED ALL REQUIREMENTS, HAVE BEEN COMPLIED WITH.
 2. NO SEEDED AREAS SHALL HAVE BARE SPOTS OR UNACCEPTABLE COVER TOTALING MORE THAN 2% OF THE INDIVIDUAL AREAS, IN AREAS REQUESTED TO BE INSPECTED.
- INSPECTION OF ALL WORK SHALL BE MADE UPON REQUEST OF CONTRACTOR. AT THAT TIME, IF ALL WORK IS SATISFACTORY, THAT WILL CONSTITUTE FINAL ACCEPTANCE.
- PLANTS THAT HAVE DIED OR ARE IN UNHEALTHY OR BADLY IMPAIRED CONDITION UPON INSPECTION SHALL BE TREATED OR REPLACED AT NO ADDITIONAL COST TO OWNER.
- REPLACE REJECTED PLANTS IN THE SEASON THAT IS MOST FAVORABLE FOR RESETTING KINDS OF PLANTS REQUIRED.

3.06 CLEANING

- PERFORM CLEANING DURING INSTALLATION OF THE WORK AND UPON COMPLETION OF THE WORK. REMOVE FROM SITES ALL EXCESS MATERIALS, SOIL, DEBRIS, AND EQUIPMENT.

4.01 MISC. NOTES

- ALL GRADES TO BE ESTABLISHED TO MEET ENGINEERING DRAWINGS BY OTHERS.
- BASEIN BOTTOMS SEED, BLOW WITH STRAW MULCH AND CRIMP STRAW IN PLACE, AS NOTED ON PLANS.
- SEED AND INSTALL STRAW BLANKET ALL OTHER TURF AREAS.
- ALL DISTURBED AREAS THAT ARE NOT MULCHED SHALL BE SEED.

PROPOSED LANDSCAPING MATERIAL

CODE:	DESCRIPTION:	UNIT OF MEASURE	QTY
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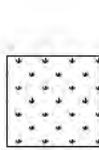
EVERGREEN TREES

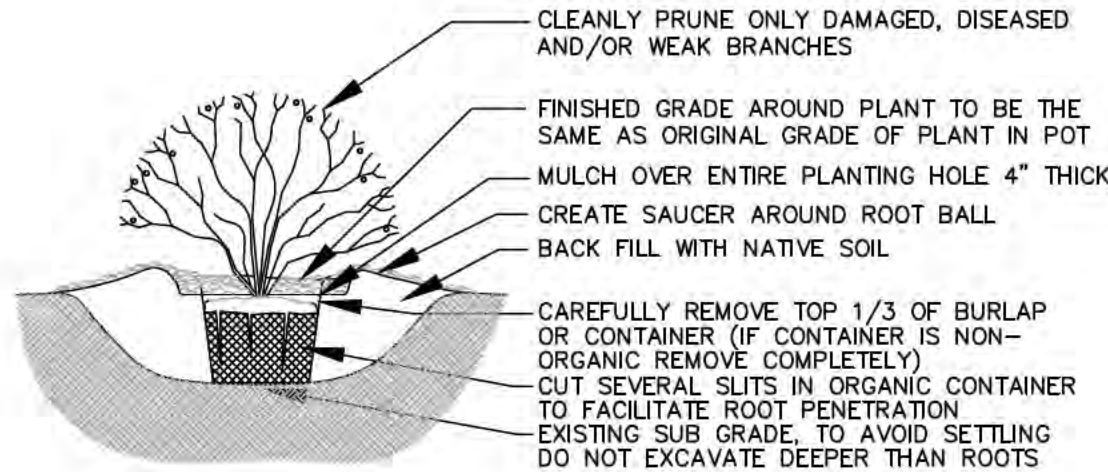
	WHITE	WHITE PINES	PINUS STROBUS	3'	150
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DECIDUOUS TREES

	LIND	LITTLE LEAF LINDEN	TILIA CORDATA	1 1/2"	10
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TURF

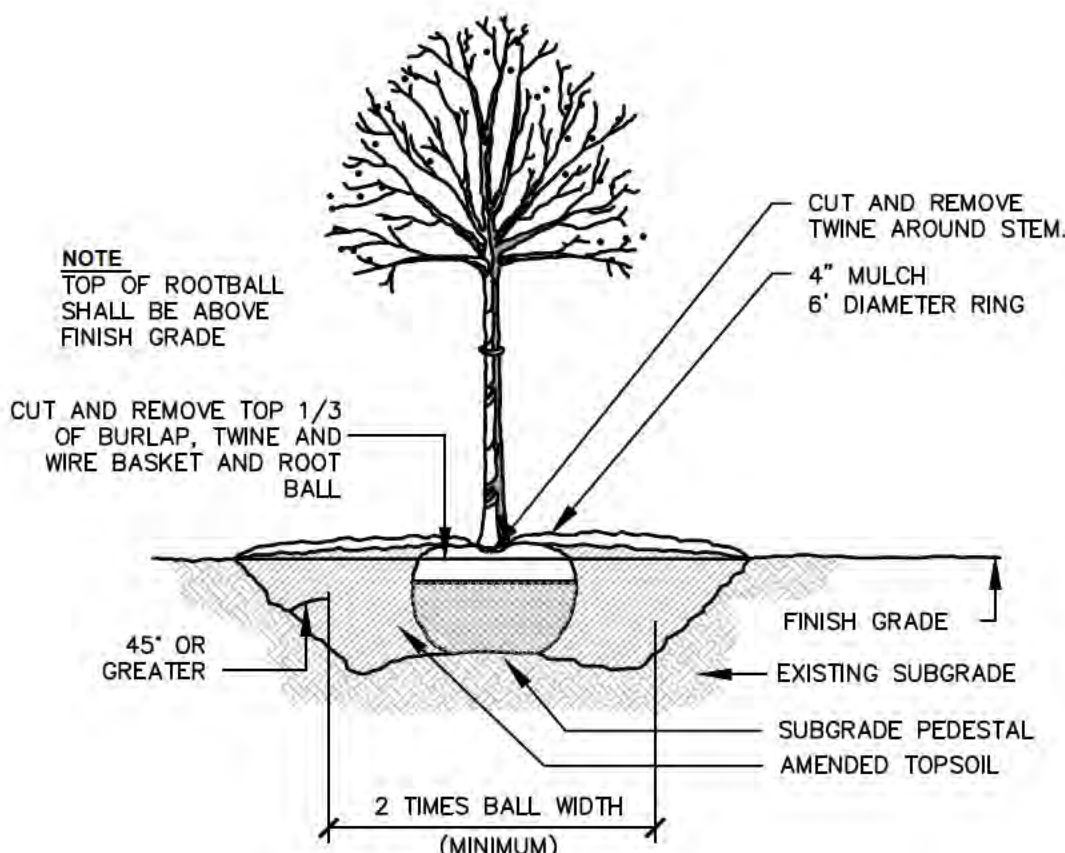
	CLASS 1 IDOT SEED MIX –	ALL DISTURBED AREA THAT ARE NOT MULCHED OR FARMED SHALL BE SEED			
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NOTES:

1. WATER THOROUGHLY AFTER INSTALLATION.
2. USE EXISTING SOIL AS BACK FILL. IF DIRECTED BY OWNER, AMEND WITH 1/3 COMPOST.
3. ALL SHRUBS TO BE MULCH OVER ENTIRE PLANTING HOLE

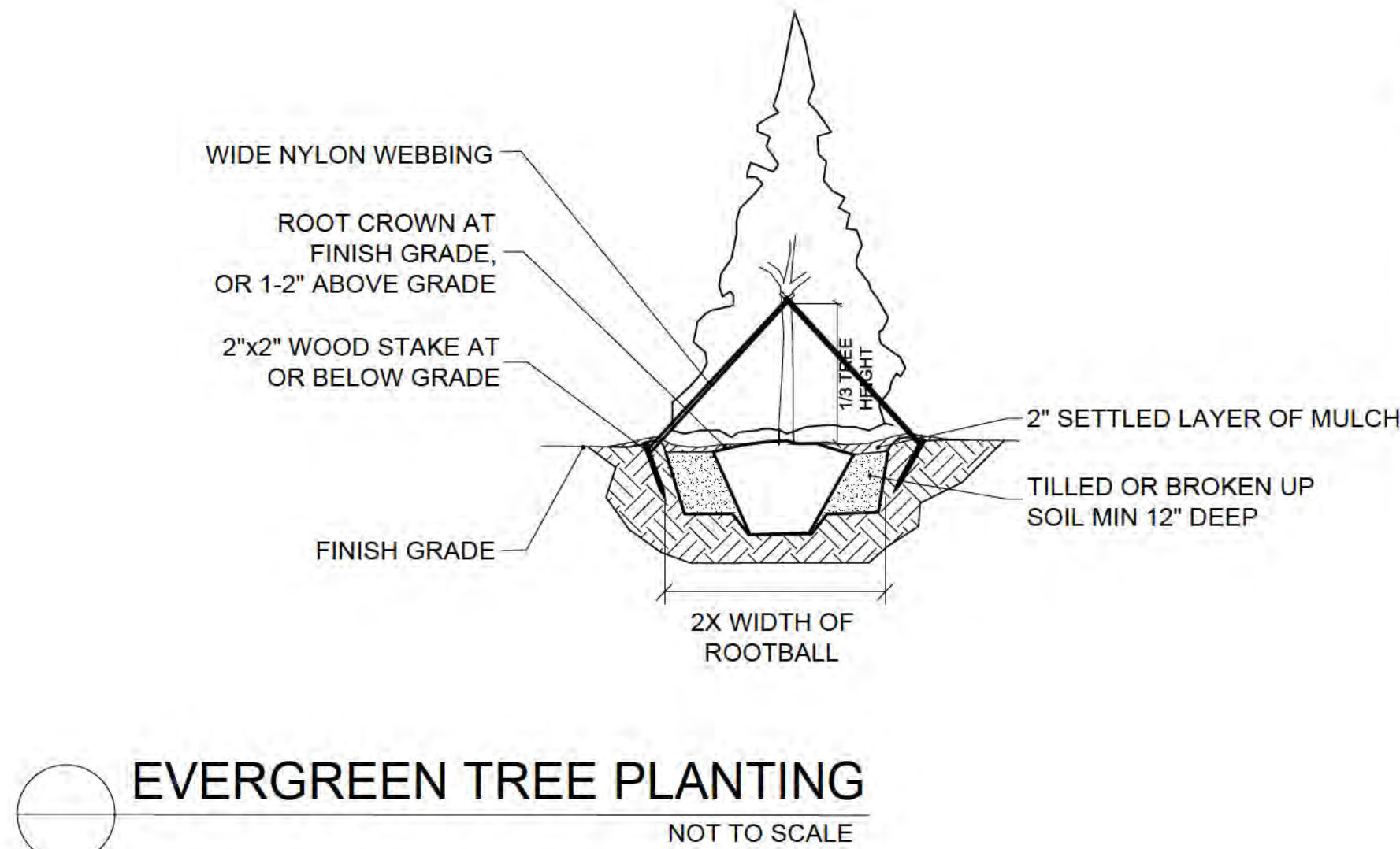
SHRUB DETAIL – CONTAINER OR B&B



TREE DETAIL

N.T.S.

DETENTION POND SHALL HAVE 6" OF PULVERIZED TOPSOIL AND INSTALL DRY MESC PRAIRIE MIX & EROSION CONTROL BLANKET UP TO THE HIGH WATER LINE



For Trees no more than three of the same species shall be clustered together. And the goal should be that no Family shall account for more than 30%, no Genus shall account for more than 20%, and no Species shall account for more than 10% of any Planting Material Type.

STORMWATER MANAGEMENT PERMIT

Attachment A Page 1
PERMIT APPLICATION #

Conformance with all Federal, State, and County Regulations is required. Applicants are encouraged to the Countywide Stormwater Management Ordinance and consider a pre-application meeting with Department staff prior to submittal. See attached highlights of regulations.

Property: Name Best Budget Tree Service - Jeremy & Samantha Dippold
Owner Address 22419 W Renwick Rd, Plainfield, IL 60544
Phone 815-685-2444
Agent: Name John Tebrugge - Tebrugge Engineering
Address 410 E Church St, Ste A, Sandwich, IL 60548
Phone 815-786-0195
Site: Address or Location 2195 US Highway 52, Minooka, IL 60447
Tax Parcel # 09-15-200-003
Zoning/Land Use/Acres A1/Agricultural/48.59

Proposed Development:

Construct a 10,700 s.f. building and a gravel area for materials storage. Construct a gravel entry drive and a wet bottom detention pond for stormwater.

Attachments: Plat X Construction Plans X
Soils _____ Landscaping X
Grading X Phasing _____
Other _____

Fees \$ 50 Processing Fee (\$50.00)
\$ 1200 Engineering Review Deposit (\$1,200.00 or 2% of estimated cost of the proposed improvements, whichever is greater.)
TOTAL \$ 1250 One check is acceptable made out to the Kendall County Treasurer

Staff will contact Applicant regarding schedule and reviews.

I hereby certify that the information on this application, on the documents attached, and on other submittals made during the review process is true and correct; that I am authorized to file this application; and that I agree to conform to all requirements set forth by the County and all conditions of the County Stormwater Management Ordinance. I understand that by signing this form, that the property in question may be visited by County Staff and County Engineers throughout the permit and construction process. I also understand that I am responsible for all costs associated with this application.

Owner's Signature _____ Date 4-19-22

Agent's Signature _____ Date 4/19/22

Kendall County Planning, Building, & Zoning Department

111 West Fox Street, Room 203

Yorkville, Illinois 60560

Phone: (630) 553-4139, Fax (630) 553-4179

www.co.kendall.il.us

ENGINEERING PLANS FOR **BEST BUDGET TREE SITE PLAN**

SECTION 15, TOWNSHIP 35 NORTH , RANGE 8 EAST
2195 US HIGHWAY 52
MINOOKA, IL 60447
KENDALL COUNTY
APRIL, 2022

LEGEND

	PROPERTY BOUNDARY
	EXISTING CONTOUR LINE
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER LINE
	EXISTING WATERMAIN
	EXISTING UNDERGROUND ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING GAS SERVICE
	EXISTING TELEPHONE
	PROPOSED CONTOUR LINE
	PROPOSED WATERMAIN
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER LINE
	PROPOSED GREASE SERVICE LINE
	PROPOSED VENT LINE
	EXISTING FENCELINE
	PROPOSED SILT FENCE
	EXISTING SPOT SHOT
	PROPOSED SPOT GRADE

	EXIST	PROP	
WATER:			B-BOX
			HYDRANT
			VALVE
			VALVE VAULT
STORM:			INLET-CURB
			INLET OR MANHOLE
			FLARED END SECTION
SANITARY:			CLEANOUT
			MANHOLE
	R.O.W. MONUMENT		UTILITY POLE
	PROPERTY PIN P.K. NAIL		GUY WIRE LOC.
	CHISELED MARK		UTIL. CABINET
	BENCHMARK		UTIL. PEDESTAL
	HUB & TACK		LIGHT POLE
	SOIL BORING		TRAFFIC SIGNAL
	OVERLAND RELIEF		ELECTRIC VAULT
	FLOW DIRECTION		GAS VALVE



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

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

UTILITY STATEMENT

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE FIELD EVIDENCE AND EXISTING DRAWINGS, MAPS AND RECORDS SUBMITTED TO THE SURVEYOR. THE SURVEYOR WARRANTS THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM AVAILABLE INFORMATION. THE SURVEYOR HAS PHYSICALLY LOCATED VISIBLE STRUCTURES; HOWEVER, HE HAS NOT PHYSICALLY LOCATED THE UNDERGROUND LINES.

TOPOGRAPHY STATEMENT

EXISTING TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS AS PREPARED BY TEBRUGGE ENGINEERING. CONTRACTOR SHALL FIELD CHECK EXISTING HORIZONTAL AND VERTICAL SITE FEATURES AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.

INDEX TO SHEETS

1. COVER SHEET
2. EXISTING CONDITIONS & DEMOLITION PLAN
3. STORMWATER POLLUTION & PREVENTION PLAN 1
4. STORMWATER POLLUTION & PREVENTION PLAN 2
5. OVERALL CIVIL SITE PLANS
6. CIVIL SITE PLAN I
7. CIVIL SITE PLAN II
8. GENERAL NOTES & DETAILS

LOCATION MAP

N.T.S.



BENCHMARKS:

1. KENDALL COUNTY GIS 2' CONTOUR MAPS

PLANS PREPARED FOR:

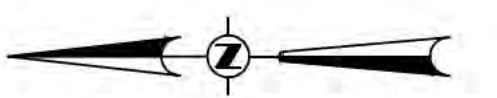
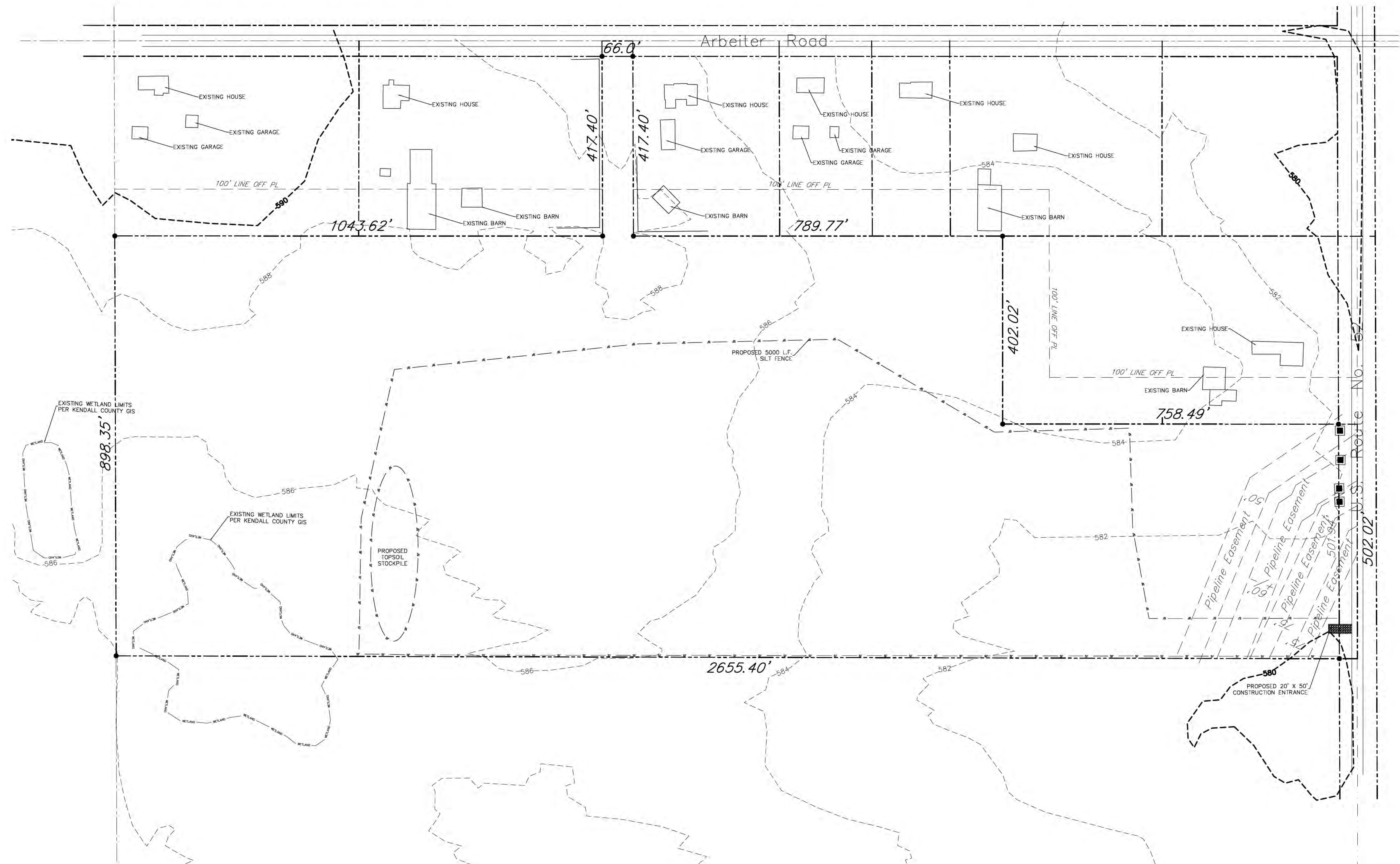
BEST BUDGET TREE SERVICE
22419 W RENWICK RD
PLAINFIELD, IL 60544
PHONE: (815) 685-2444
EMAIL: BESTBUDGETTREE@YAHOO.COM

CIVIL ENGINEER:

TEBRUGGE ENGINEERING
410 E CHURCH ST - SUITE A
SANDWICH, ILLINOIS 60548
(815) 786-0195

INFO@TEBRUGGEENGINEERING.COM
WWW.TEBRUGGEENGINEERING.COM

[illegible]



SCALE IN FEET

1. GENERAL NOTES & DESCRIPTIONS

The Storm Water Pollution Prevention Plan (SWPPP) includes, but is not limited to the Erosion and Demolition Plan included in the Engineering Plans with the Detail Sheet, the Notice of Intent, Permit Authorization, General Permit, Notice of Termination, all records of inspection and activities which are created during the course of the project, and other documents as may be required by reference to this SWPPP. Changes, modifications, revisions, additions, or deletions shall become part of this SWPPP as they occur.

- All Contractors and sub-contractors that are responsible for implementing and measure of the SWPPP must be identified and must certify this SWPPP by signing the SWPPP certification in accordance with Part V.G (Signatory Requirements) of the ILRI0 Permit.

All signed certifications must be kept with the SWPPP documents and be available for inspection.

The Contractor and all sub-contractors involved with construction activity that disturbs site soil or who implement a pollutant control measure identified in the Storm Water Pollution Prevention Plan must comply with the following requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit, the NPDES Permit No. ILRI0 for the State of Illinois and any local governing agency having jurisdiction concerning erosion and sediment control.

- GENERAL PERMIT INFORMATION**
All construction sites that will result in the disturbance of one acre or more must be permitted under the Illinois General NPDES Permit. The Notice of Intent (NOI) has been submitted at the address below. The NOI is for the onsite and offsite improvements. The NPDES Permit will be issued 30 days after the postmark date of the submittal of the NOI and initial yearly fee.

Permit Information: The Owner has mailed the Owner-signed NOI form and the initial yearly fee of \$500 to the address listed below. The Contractor will be responsible for submitting each subsequent \$500 yearly fee, if applicable. A copy of the signed NOI form will be supplied to the Contractor.

Unless notified by the Illinois Environmental Protection Agency (EPA) to the contrary, construction activities may begin in accordance with this SWPPP and the ILRI0 in 30 days following the post mark date of the NOI.

Transfer Information: If a portion of the property is sold, that new Owner may obtain their own general permit by submitting a separate NOI. The original NOI may then be modified by re-submitting the NOI with update acreage and checking the box "change of information". Also include documentation explaining that a lot has been sold, the acreage difference and the date of sale. There is no fee involved with modifying the NOI.

There are no requirements for a pre-construction meeting from any of the reviewing agencies.

Agency Information:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Springfield, Illinois 62794-9276
Phone: (217) 782-0510

Kendall County
Planning, Building & Zoning
111 West Fox Street
Yorkville, Illinois 62556
Phone: (630) 553-4441

B. PUBLIC POSTING

The following documents will be supplied to the contractor and must be posted on the Entrance Sign in a prominent place for public viewing until termination of permit coverage has been obtained by filing the Notice of Termination (NOT).

- Notice of Intent signed in accordance with ILRI0.
- Permit Authorization from the Illinois Environmental Agency (IEPA).
- Construction Site Notice.

The location of the SWPPP must be clearly visible.

C. RETENTION OF RECORDS

A complete copy of the SWPPP, including copies of all inspection reports, plan revisions, etc., must be retained at the project site at all times during the duration of the project (until NOT is filed) and kept in the permanent project records of the Contractor for at least three years following submittal of the Notice of Termination (NOT).

D. CONTRACTOR/SUB-CONTRACTOR LIST

The Contractor must provide names and addresses of all sub-contractors working on this project who will be involved with the major construction activities that disturb site soil. This information must be kept with the SWPPP.

E. CONTRACTOR/SUB-CONTRACTOR CERTIFICATION FORM

The Contractor and all sub-contractors involved with ground disturbing or installation and maintenance of any Best Management Practice (BMP) on site must sign a copy of the Contractor Certification that will be supplied to the Contractor. This information must be kept with the SWPPP.

F. INSPECTIONS

At least once every seven calendar days and with 24 hours of a 0.5 in rainfall event, inspections by documented Contractor Compliance Officers must be made to determine the effectiveness of the SWPPP. If the State or Local agencies have a required inspection form, the both forms must be completed. The SWPPP, including the best management practices implemented on the jobsite, shall be modified as needed to reduce or prevent pollutants from discharging from the site.

An example BMP Inspection Form will be supplied to the Contractor.

A delegation of authority letter authorizing the Contractor Compliance Officer to sign the inspection forms will also be supplied to the Contractor.

The Inspector must be a person familiar with the site, the nature of major construction activities, and qualified to evaluate both overall system performance and individual component performance. The Inspector must either be someone empowered to implement modifications to this SWPPP and the pollutant control devices, if needed, in order to increase effectiveness to an acceptable level, or someone with the authority to cause such changes to happen. Additionally, the inspector shall be properly authorized in accordance with the applicable General Permit to conduct the certified site storm water inspections.

See Section VII on this sheet for further reporting requirements.

G. SWPPP UPDATES & AMENDMENTS

This SWPPP must be updated each time there are significant modifications to the pollution prevention system or a change of Contractor(s) working on the project that disturb site soils. The SWPPP must be amended as necessary during the course of construction in order to keep it current with the pollutant control measures utilized on the site. Amending the SWPPP does not mean that it has to be reprinted. It is acceptable to add addenda, sketches, new sections, and/or revised drawings. The site map showing the locations of all storm water controls must be posted on the site and updated to reflect the progress of construction and changes to the SWPPP. Any control measure that has a hydrologic design component must be updated or amended by the Engineer. Substitution of sediment control BMPs beyond those specified in the SWPPP is considered a hydrologic design component.

H. DISCHARGE OF PETROLEUM PRODUCTS OR HAZARDOUS SUBSTANCES

Discharge of Petroleum products or other hazardous substances into storm water or the storm water (storm sewer) system is subject to reporting and clean up requirements. See section V.B. of the SWPPP for State and local information on reporting spills. Refer to the General Permit for additional information.

I. NOTICE OF TERMINATION

Once the site reaches final stabilization as defined in the General Permit, with all permanent erosion and sedimentation controls installed and all temporary erosion and sedimentation controls removed, the Contractor and Owner's representative must complete a final inspection. Upon approval by the Owner's representative, the Owner and Contractor, as applicable, must complete and submit a NOT.

J. CONTRACTORS RESPONSIBILITY

This SWPPP intends to control water-borne and liquid pollutant discharges by some combination of interception, sedimentation, filtration, and containment. The Contractor and sub-contractors implementing this SWPPP must remain alert to the need to periodically refine and update the SWPPP in order to accomplish the intended goals. The Contractor is ultimately responsible for all site conditions and permit compliance.

K. LOG OF CONSTRUCTION ACTIVITY

A record of dates when major ground-disturbing activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated or completed must be maintained until the NOT is filed. A log for keeping such records is included. Controls must be in place down gradient of any ground-disturbing activities prior to the commencement of construction and noted on the Site Map and Record of Stabilization and Construction Activity Dates.

2. INTRODUCTION

This SWPPP includes the elements necessary to comply with the natural baseline general permit for construction activities administered by the US Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program, the NPDES Permit No. ILRI0 for the State of Illinois, and all Local governing agency requirements. This SWPPP must be implemented at the start of construction.

Construction phase pollutant sources anticipated at the site are disturbed (bare) soil, vehicle fuels and lubricants, chemicals associated with construction, and building materials. Without adequate control there is a potential for each type of pollutant to be transported by storm water. Project construction will consist primarily of site grading, utility service connections, and site piling to facilitate construction.

A. PURPOSE

A major goal of pollution prevention efforts during project construction is to control soil and pollutants that originate on the site and prevent them from flowing to surface waters. The purpose of this SWPPP is to provide guidelines for achieving that goal. A successful pollution prevention program also relies upon careful inspection and adjustments during the construction process in order to enhance its effectiveness.

B. SCOPE

This SWPPP must be implemented before construction begins on the site. It primarily addresses the impact of storm rainfall and runoff on areas of the ground surface disturbed during the construction process. In addition, there are recommendations for controlling other sources of pollution that could accompany the major construction activities. The SWPPP will terminate when disturbed areas are stabilized, permanent erosion and sedimentation controls are installed, temporary erosion and sedimentation controls are removed, construction activities covered herein have ceased, and a completed Notice of Termination (NOT) is transmitted to the governing agency.

3. PROJECT DESCRIPTION

Described below are the major construction activities that are subject of this SWPPP. Also included in the schedule are BMP installation activities that must take place prior to construction activities. NOTE: Down slope protective measures must always be in place before soil is disturbed. Activities are presented in the order (sequence) they are expected to be completed.

All activities and time frames (beginning and ending dates) shall be noted on the Site Map. The sequence of construction is as follows:

Upon implementation and installation of the following areas: trailers, parking, lay down, porta-potty, wheel wash, concrete washout, mason's area, fuel and material storage containers, solid waste containers, etc., immediately denote them on the Site Maps and note any changes in location as they occur throughout the construction process. Typical Stage of Construction, Items shall be added or deleted as needed for each individual project.

Phase I

- Install stabilized construction entrance and SWPPP Entrance Sign.
- Install silt fence(s) on the site (clear only those areas necessary to install silt fence).
- Prepare temporary parking and storage area.
- Install and stabilize hydraulic control structures (dikes, saddles, check dams, etc.).
- Begin grading the site.
- Start construction of building pad and structures.

Phase II

- Temporarily seed, throughout construction, denuded areas that will be inactive for 14 days or more.
- Install utilities, underdrains, storm sewers, curbs and gutters.
- Install inlet protection at all storm sewer structures as each inlet structure is installed.
- Permanently stabilize areas to be vegetated as they are brought to final grade.
- Prepare site paving.
- Pave site.
- Install appropriate inlet protection devices for paved areas as work progresses.
- Complete grading and installation or permanent stabilization of all areas including outlets.
- Call Engineer after the site appears to be fully stabilized for inspection.
- Remove all temporary erosion and sediment control devices after approval of the Engineer and stabilize any areas disturbed by the removal of the BMP.

NOTE: The Contractor may complete construction-related activities concurrently only if all preceding BMPs have been completely installed.

The actual schedule for implementing pollutant control measures will be determined by project construction progress and recorded by the Contractor on the Soil Erosion/Sediment Control Operation Time Schedule on the Erosion and Sediment Control Plans. Down slope protective measures must always be in place before soil is disturbed.

4. SITE DESCRIPTION

- Site description
Site construction activities consist of general site clearing construction of gravel access drive, building construction, gravel storage area, and wet bottom detention pond.
- Total area of site is 48.59 acres.
Total disturbed area on site is 22.79 acres
- Estimated site runoff coefficient after construction activities are complete: CN=80.
- Site map included indicating existing & proposed slopes across site is included in SWPPP.
- Site drainage is received by Aux Sable Creek located west of the development.

5. STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS

A variety of storm water pollutant controls are recommended for this project. Some controls are intended for function temporarily and will be used as needed for pollutant control during the construction process. These include temporary sediment barriers and permanent storm retention ponds (which can also function as temporary sediment basins). Permanent stabilization will be accomplished in all disturbed areas by covering the soil with pavement, building foundation, vegetation, or other forms of soil stabilization.

A. EROSION AND SEDIMENT CONTROLS**1. Soil Stabilization**

The purpose of soil stabilization is to prevent soil from eroding and leaving the site. In the natural condition, soil is stabilized by native vegetation. The primary technique to be used at this project for stabilizing site soils will be to provide a protective cover of grass, pavement, or building structures.

- Temporary Seeding or Stabilization – All denuded areas that will be inactive for 14 days or more, must be stabilized temporarily with the use of fast-germinating annual grass/grain varieties, straw/hay mulch, wood cellulose fibers, tackifiers, netting or blankets.

- Permanent Seeding or Sodding – All areas at final grade must be seeded or sodded within 14 days after completion of work in any area. The entire site must have permanent vegetative cover established in all areas not covered by hardscape at the completion of all soil disturbing activities on site. Except for small level spots, seeded areas should generally be protected with mulch or a rolled erosion control product. All areas to be seeded will have topsoil and other soil amendments as specified on the Landscape Plan.

2. Structural Controls

- Silt Fence – Silt Fence is a synthetic permeable woven or non-woven geotextile fabric incorporating metal support stakes at intervals sufficient to support the fence (2-foot maximum distance between posts), water, and sediment retained by the fence. The fence is designed to retain sediment–laden storm water and allow settlement of suspended solids before the storm water flows through the fabric and discharges off-site. Silt fence shall be located on the contour to capture overland, low-velocity sheet flows. The Contractor may utilize triangular silt dikes and/or non-wire backed silt fence as intermediate BMPs. Install silt fence at a fairly level grade along the contour with the ends curved uphill to provide sufficient upstream storage volume for the anticipated runoff. Drainage areas shall not exceed 2 acres per 100 feet of silt fence for slopes less than 2 percent.

- Construction Exit – All access points from the public street into the construction site shall include a construction exit composed of coarse stone to the dimensions shown on the Existing Conditions and Demolition Plan. The rough texture of the stone helps to remove clumps of soil adhering to the construction vehicles tires through the action of vibration and jarring over the rough surface and the friction of the stone matrix against soils attached to vehicle tires.

In addition to the stone at the construction exit, it may be necessary to install devices such as pipes (cattle guard) to increase the vibration and jarring. It may also be necessary to install a wheel wash system. If this is done, a sediment trap control must be installed to treat the wash water before it discharges from the site.

- All site access must be confined to the Construction Exit(s). Baricade, installed to prevent use, any locations other than Construction Exit(s) where vehicles or equipment may access the site.

- Storm Sewer Inlet Protection – Curb and graded inlets are protected from the intrusion of sediment through a variety of measures as shown on the details included in the Construction drawings. The primary mechanism is to place controls in the path of flow sufficient to slow the sediment–laden water to allow settlement of suspended solids before discharging into the storm sewer. It is possible that as construction progresses from storm sewer installation through paving that the inlet protection devices should change. All inlet protection devices create ponding of storm water. This should be taken into consideration when deciding on which device or devices should be used.

- Inspection and any necessary cleaning of the underground storm system shall be included as part of this swpp.

Final site stabilization is achieved when perennial vegetative cover provides permanent stabilization with a density greater than 70 percent over the entire area to be stabilized by vegetative cover. This is exclusive of areas paved, seeded, or having a building on them.

B. OTHER POLLUTANT CONTROLS

This section includes the controls of pollutants other than sediment and additional requirements of the General Permit.

- Dust Control**
Construction traffic must enter and exit the site at the stabilized construction exit. Water trucks or other dust control agents will be used as needed during construction to reduce dust generated on the site. Dust control must be provided by the Contractor to a degree that is in compliance with applicable Local and State dust control regulations.
- Solid Waste Disposal**
No solid materials, including building materials, are allowed to be discharged from the site with storm water. All solid waste, including disposable materials incidental to the major construction activities, must be collected and placed in containers. The containers will be emptied as necessary by a contract trash disposal service and hauled away from the site. Covers for the containers will be provided as necessary to meet State and Local requirements. The location of solid waste receptacles shall be shown on the Site Maps.

Substances that have the potential for polluting surface and/or groundwater must be controlled by whatever means necessary in order to ensure that they do not discharge from the site. On site, special care must be exercised during equipment fueling and servicing operations. If a spill occurs, it must be contained and disposed of so that it will not flow from the site or enter groundwater, even if the spill requires removal, treatment, and disposal of soil. In this regard, potentially polluting substances should be handled in a manner consistent with the impact they represent.

3. Sanitary Facilities

All personnel involved with construction activities must comply with State and Local sanitary or septic regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. They must be utilized by all construction personnel and will be serviced by a commercial contractor. The location of sanitary facilities shall be shown on the Site Map.

4. Non-Storm Water Discharge

Non-storm water components of site discharges are not permitted under ILRI0 except as follows: discharges from fire fighting activities; fire hydrant flushings; water used to wash vehicles where detergents are not used; waters used to control dust; potable water sources including uncontaminated waterline flushings; irrigation discharges; routine external building washdowns; site, not use detergents; pavement washdowns where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; air conditioning condensate; sprays, uncontaminated ground water; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

- Concrete Waste from Concrete Ready-Mix Trucks**
Discharge of excess or waste concrete and/or wash water from concrete trucks will be allowed on the construction site, but only in specifically designated diked areas prepared to prevent contact between the concrete and/or wash water and storm water that will be discharged from the site. Alternatively, waste concrete can be placed into forms to make rip rap or other useful concrete products. The cured residue from the concrete washout diked areas shall be disposed in accordance with applicable State and Federal regulations. The jobsite superintendent is responsible for ensuring these procedures are followed. The location of concrete washout areas shall be shown on the Site Maps.

5. Mason's Area

Contractor shall identify mason's area on the site and indicate location on the Site Map. To the extent practical, all masonry tools, material, including sand and sacked cement or mortar materials, and equipment shall be located within the area identified. Runoff control, such as berms or diversion ditches, silt fence, straw wattles, or other means of containment shall be provided to prevent the migration of storm water pollutants in runoff from the mason's area. Recreates for debris and trash disposal shall also be provided.

7. Fuel Tanks

Temporary on-site fuel tanks for construction vehicles shall meet all State and Federal regulations. Tanks shall have approved spill containment with the capacity required by the applicable regulations. The tanks shall be in sound condition free of rust or other damage which might compromise containment. Fuel storage areas will meet all EPA, OSHA and other regulatory requirements for storage, fire extinguisher, etc. Hoses, valves, fittings, caps, filler nozzles and associated hardware shall be maintained in proper working condition at all times. The location of fuel tanks shall be shown on the Site Maps.

A Spill Prevention, Control and Countermeasure (SPCC) Plan must be developed if aboveground oil storage capacity at the construction site exceeds 1,320-gallons. Containers with storage capacity of 55-gallons or less are not included when calculating site storage capacity. The Contractor shall work with the Civil Engineering Consultant to develop and implement a SPCC Plan in accordance with the Oil Pollution Prevention regulation at Title 40 of the Code of Federal Regulations, Part 112, (40 CFR 112).

8. Hazardous Material Management and Spill Reporting Plan

Any hazardous or potentially hazardous material that is brought onto the construction site will be handled properly in order to reduce the potential for storm water pollution. All materials used on this construction site will be properly stored, handled, disposed and disposed of following all applicable label directions. Material Safety Data Sheets (MSDS) information will be kept on site for any and all applicable materials.

In the event of an accidental spill, immediate action will be undertaken by the Contractor to contain and remove the spilled material. All hazardous materials will be disposed of by the Contractor in the manner specified by Federal, State and Local regulations and by the manufacturer of such products. As soon as possible, the spill will be reported to the appropriate agencies. As required under the provisions of the Clean Water Act, any spill or discharge entering waters of the United States will be properly reported. The Contractor will prepare a written record of any spill of petroleum products or hazardous materials in excess of reportable quantities and will provide notice to Owner within 24-hours of the occurrence of the spill.

Any spills of petroleum products or hazardous materials in excess of Reportable Quantities as defined by EPA shall be immediately reported to the EPA National Response Center (1-800-424-8802). In addition, 35 IL Adm. Code 750.410 requires notification of IMA (1-800-782-7860). Reportable chemical spill quantities are those listed for hazardous substances under Superfund, or as extremely hazardous substances under the Superfund Reauthorization and Amendments Act of 1986 (SARA), the emergency planning statute which also establishes threshold planning quantities (22 IL Adm. Code 430.30). Oil spills are reportable if they must be reported under the Federal Water Pollution Control Act. This generally includes spills that are in excess of 25 gallons and/or "may be harmful to the public health or welfare" (40 CFR 110). Harmful discharges include those that (1) violate applicable water quality standards, or (2) leave a film on the water or adjoining shorelands or cause a sludge or emulsion to be deposited beneath the water surface or on adjoining shorelands. The reportable quality for hazardous materials can be found in 40 CFR 302 or by contacting the IMA (1-800-785-9888).

In order to minimize the potential for a spill of petroleum product or hazardous materials to come in contact with storm water, the following steps will be implemented:

- All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, additives for soil stabilization, concrete, curing compounds and additives, etc.) will be stored in a secure location, under cover, when not in use.
- The minimum practical quantity of all such materials will be kept on the job site and scheduled for delivery as close to time of use as practical.
- A spill control and containment kit (containing for example, absorbent material such as kitty litter or sawdust, acid neutralizing agent, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
- All of the products in a container will be used before the container is disposed of. All such containers will be triple rinsed, with water prior to disposal. The rinse water will be disposed of in a manner in compliance with State and Federal regulations and will not be allowed to mix with storm water discharges.
- All products will be stored in and used from the original container with the original product label.
- All products will be used in strict compliance with instructions on the product label.
- The disposal of excess or used products will be in strict compliance with instructions on the product label.

- Long Term Pollutant Controls**
Storm water pollutant control measures installed during construction, that will also provide storm water management benefits after construction, include turf areas in sufficient quantity so as to provide a site impervious ratio (ISR) of 0.76.

C. CONSTRUCTION PHASE "BEST MANAGEMENT PRACTICES" (BMPs)

During the construction phase, the Contractor shall implement the following measures:

- Materials resulting from the clearing and grubbing or excavation operations shall be stockpiled up slope from the permit authorized area. Materials removed to an off-site location shall be protected with appropriate controls and property permitted.
- The Contractor shall designate areas on the Site Map for equipment cleaning, maintenance, and repair. The Contractor and sub-contractors shall utilize such designated areas. Cleaning, maintenance, and repair areas shall be protected by a temporary perimeter barrier that is not less than 150 feet of any waterway, water body or wetland, and in areas located as far as practical from storm water inlets.
- Use of detergents for large scale washing is prohibited (i.e. vehicles, buildings, pavement, surfaces, etc.).

- Chemicals, paints, solvents, fertilizers, and other toxic materials must be stored in waterproof containers. Except during application, the containers, the contents must be kept in trucks or within storage facilities. Runoff containing such material must be collected, removed from the site, treated, and disposed of at an approved solid waste and chemical disposal facility.

D. OFF-SITE FACILITIES IN THE OPERATIONAL CONTROL OF THE CONTRACTOR

Whenever dirt, rock, or other materials are imported to the construction site or exported for placement in areas off of the primary construction site, the Contractor is responsible for determining that all storm water permitting and pollution control requirements are met for each site which receives such materials or from which site materials are taken. Prior to the disturbance of any such site, Contractor will confirm that the operators of the site they are importing to or exporting from have properly obtained all required permits, and will comply with all laws, regulations and permit conditions applicable to such sites.

At a minimum, each off-site area that provides or receives material or is disturbed by project activities must implement erosion and sediment control measures consisting of perimeter controls on all down slope and side slope boundaries and must also provide for both temporary stabilization and for permanent re-vegetation after all disturbances have ended.

4. LOCAL PLANS

In addition to this SWPPP, construction activities associated with this project must comply with any guidelines set forth by Local regulatory agencies. The Contractor shall maintain documents evidencing such compliance in this SWPPP.

5. INSPECTIONS AND SYSTEM MAINTENANCE

Between the time this SWPPP is implemented and final Notice of Termination has been submitted, all disturbed areas and pollutant control measures must be inspected weekly and within 24 hours of the end of a storm event 0.5 inches or equivalent rainfall. The purpose of site inspections is to assess performance of pollutant controls. The inspections will be conducted by the Contractor's Site Superintendent. Based on these inspections, the Contractor will decide whether it is necessary to modify this SWPPP, add or relocate controls, or revise implementation of additional Best Management Practices in order to prevent pollutants from leaving the site via storm water runoff. The Contractor has the duty to cause pollutant control measures to be repaired, modified, supplemented, or take additional steps as necessary in order to achieve effective pollutant control.

Examples of specific items to evaluate during site inspections are listed below. This list is not intended to be comprehensive. During each inspection, the inspector must evaluate overall pollutant control system performance as well as particular details of individual system components. Additional factors should be considered as appropriate to the circumstances.

A. CONSTRUCTION EXIT AND TRACK OUT

Locations where vehicles enter and exit the site must be inspected for evidence of off-site sediment tracking. A stabilized construction exit shall be constructed where vehicles enter and exit. Edits shall be maintained or supplemented with additional rock as necessary to prevent the release of sediment from vehicles leaving the site. Any sediment deposited on the roadway shall be swept as necessary throughout the day or at the end of every day and disposed of on an appropriate manner. Sediment shall NOT be washed into storm sewer systems.

B. SEDIMENT CONTROL DEVICES

Sediment barriers, traps and basins must be inspected and they must be cleaned out at such time as their original capacity has been reduced by 50 percent. All material excavated from behind sediment barriers or in traps and basins shall be incorporated into on-site soils or spread out on an upland portion of the site and stabilized. Additional sediment barriers must be constructed as needed.

C. MATERIAL STORAGE AREAS

Inspections shall evaluate disturbed areas and areas used for storing materials that are exposed to rainfall for evidence of, or the potential for, pollutants entering the drainage system or discharging from the site. If necessary, the materials must be covered or original covers must be repaired or supplemented. Also, protective berms must be constructed, if needed, in order to contain runoff from material storage areas. All State and Local regulations pertaining to material storage areas will be adhered to.

D. VEGETATION

Grazed areas shall be inspected to confirm that a healthy stand of grass is maintained. The site has achieved final stabilization once all areas are covered with building foundation or pavement, or have a stand of grass with a minimum of 70 percent density or greater over the entire vegetated area in accordance with the General Permit requirements. The vegetative density must be maintained to be considered stabilized. Area must be watered, fertilized, and re-seeded as needed to achieve this requirement.

E. DISCHARGE POINTS

All discharge points must be inspected to determine whether erosion and sediment control measures are effective in preventing discharge of sediment from the site or impacts to receiving waters.

The Inspection Report Form must identify all deficiencies, any corrections, whether they are identified during the current inspection or have occurred since the previous inspection, and any additional comments. Based on inspection results, any modification necessary to increase the effectiveness of this SWPPP to an acceptable level must be made immediately but no longer than within 48 hours of inspection. The inspections reports must be complete and additional information should be included in the report. An instant aspect of the inspection report is the description of the inspection and additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site is in compliance with the SWPPP at the time of inspection and specifically identify all incidents of non-compliance.

The Inspection Report Form must summarize the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this SWPPP, and actions taken in accordance with section 4.b shall be made and retained as part of the plan for at least six years after the date of the inspection. The report shall be signed in accordance with Part V.G of the General Permit.

If any violation of the provisions of this plan is identified during the course of the construction work covered by this plan, the Contractor's Compliance Officer shall complete and file an "Incidence of Noncompliance" (ION) report for identified violation. The Contractor's Compliance Officer shall use forms provided by the IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted in noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part V.G of the General Permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
P.O. Box 19276
Springfield, IL 62794-9276

Ultimately, it is the responsibility of the General Contractor to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or Contractor practices could make it necessary to install more structural controls than are shown on the plans. For example, Localized concentrations of runoff could make it necessary to install additional sediment barriers. Assessing the need for additional controls and implementing them or adjusting existing controls will be continuing aspect of this SWPPP until the site achieves final stabilization. Any modification, additions or deletions of sediment control devices must be approved by the Engineer through written communications.

CONCRETE WASHOUT NOTE:

CONCRETE WASHOUT SHOULD BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHOULD NOT BE ALLOWED TO ENTER WATER BODIES, STORM SEWERS OR LEACH INTO THE SOIL, UNDER ANY CIRCUMSTANCES. ANY WASTE SHOULD BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHOULD BE DESIGNATED WITH PROPER SIGNAGE. FAILURE TO COMPLY COULD RESULT IN AN INCIDENT OF NONCOMPLIANCE (ION).

TEMPORARY CONCRETE WASHOUT FACILITY – EARTHEN TYPE

PLAN VIEW

SECTION A-A

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

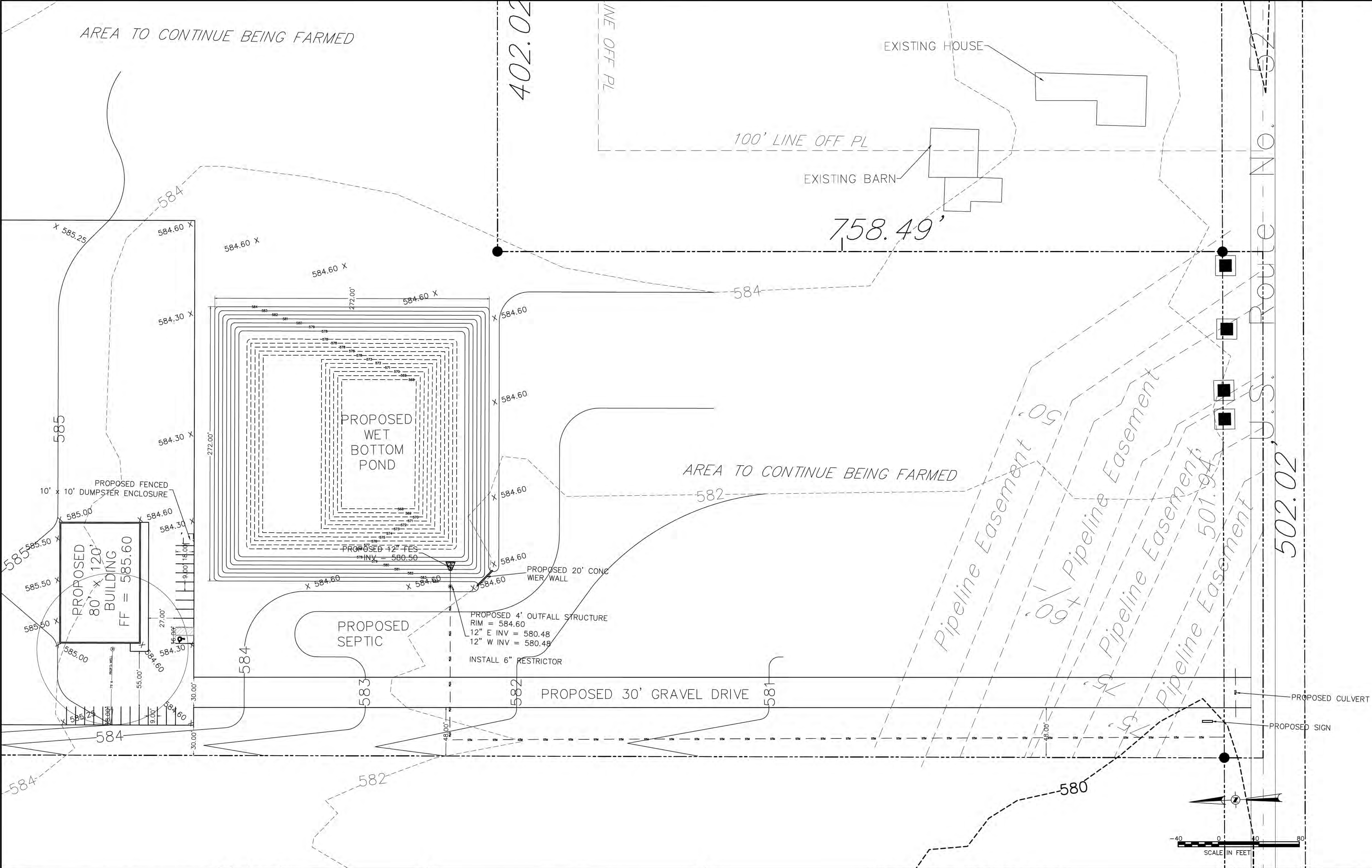
SECTION F-F

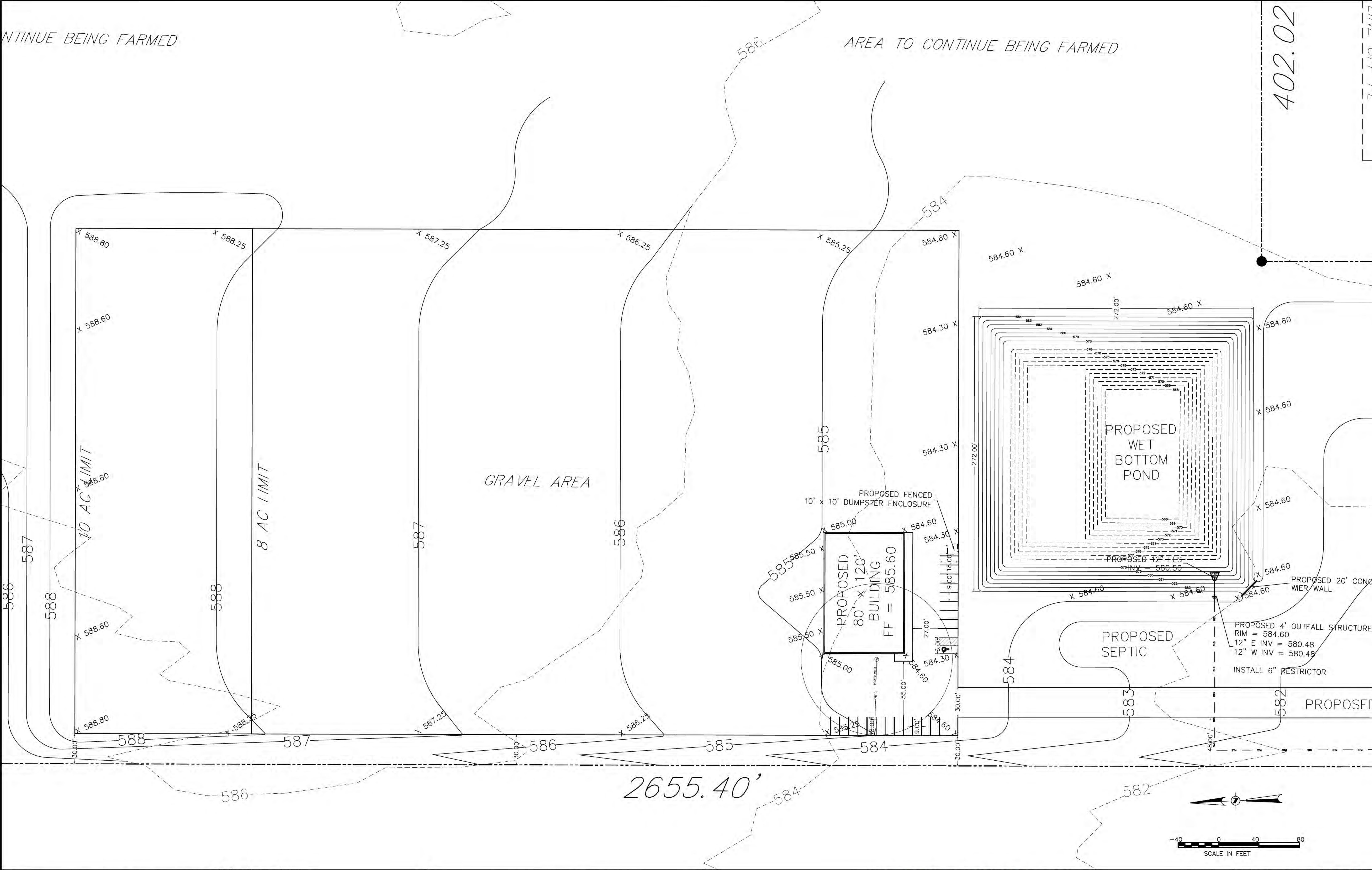
SECTION G-G

SECTION H-H

SECTION I-I

SECTION J-J





GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

13. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1928) AND WITH APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS OF THE WILLIAMS STEIGER OCCUPATIONAL HEALTH STATE SAFETY ACT OF 1970(REVISED). THE CONTRACTOR, ENGINEERS, AND OWNER SHALL EACH BE RESPONSIBLE FOR HIS OWN RESPECTIVE AGENTS AND EMPLOYEES.

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

UNDERGROUND UTILITIES

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

2. UNLESS OTHERWISE INDICATED ON THE PLANS, STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CULVERT PIPE OF THE CLASS AS INDICATED ON THE PLANS, AND CONFORMING TO ASTM C-76. JOINTS SHALL TYPICALLY BE A "TROWEL APPLIED" BITUMINOUS MASTIC COMPOSURE WITH ASTM A2-76 (OR C-14) AS MAY BE APPLICABLE OR RUBBER "O"-RING GASKET JOINTS CONFORMING TO ASTM C-443). LOCATIONS WHERE THE STORM SEWER CROSSES WATERMAINS AN "O"-RING JOINT IN ACCORDANCE WITH ASTM C-361 SHALL BE USED.

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

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

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

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

7. THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION FOR THE INSTALLATION OF THE SEWER OR WATER SYSTEMS. ANY DEWATERING ENCOUNTERED SHALL BE INCIDENTAL TO THE RESPECTIVE UNDERGROUND UTILITY.

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

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

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

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

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

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

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

EARTHWORK

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

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

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRISE HIMSELF OF ALL SITE CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE OWNER.

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

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

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

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

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

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

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

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

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

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

PAVING & WALKS

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

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

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

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

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

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

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

8. BACKFILLING ALONG PAVEMENT SHALL BE THE RESPONSIBILITY OF THE EARTHWORK CONTRACTOR.

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

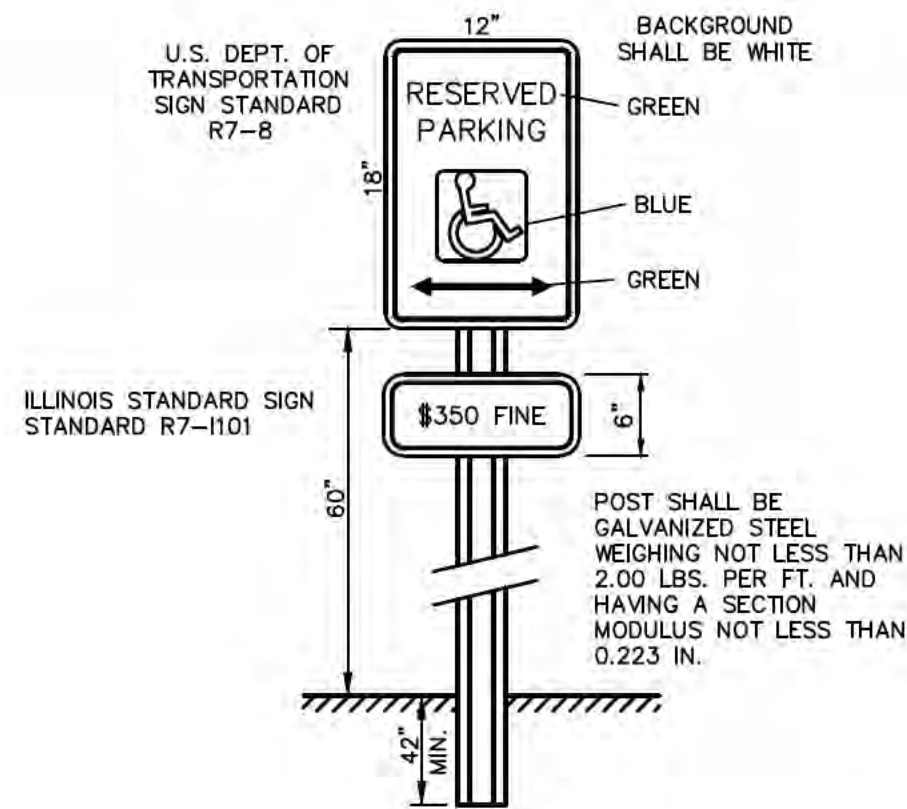
10. TESTING OF THE SUB-BASE, BASE COURSE, BINDER COURSE, SURFACE COURSE AND CONCRETE WORK SHALL BE REQUIRED IN ACCORDANCE WITH THE "I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" CURRENT EDITION, AND IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OF THE GOVERNING MUNICIPALITY. A QUALIFIED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

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

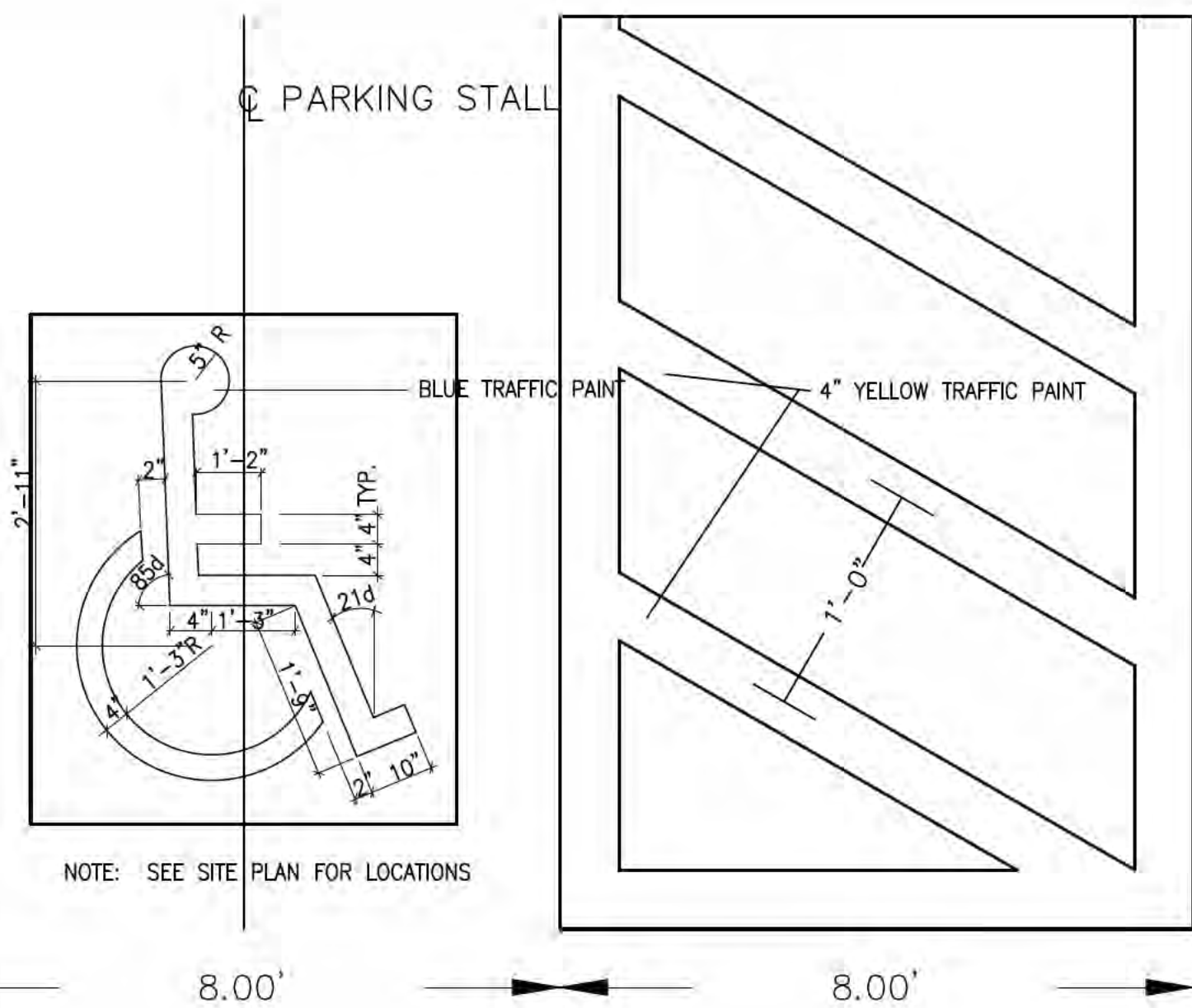
12. PAINTED PAVEMENT MARKINGS AND SYMBOLS SHALL BE INSTALLED ONLY WHEN THE AMBIENT AIR TEMPERATURE IS 40 DEGREES FAHRENHEIT AND THE FORECAST CALL FOR RISING TEMPERATURES.

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

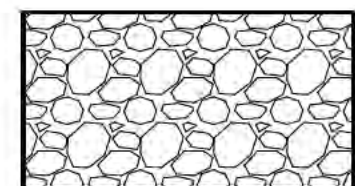
14. ANY SIDEWALK THAT IS DAMAGED OR NOT ADA COMPLIANT, INCLUDING SIDEWALK RAMPS, MUST BE REPLACED PRIOR TO FINAL INSPECTION APPROVAL.



LOCATE SIGN AT EACH END OF HANDICAP PARKING AREA, 2 FT. FROM EDGE OF PAVEMENT

HANDICAP PARKING SIGN**HANDICAPPED PARKING DETAIL**

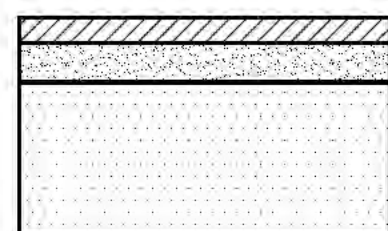
N.T.S.



12" AGGREGATE COURSE, CA-6 CRUSHED LIMESTONE OR ASPHALT GRINDINGS

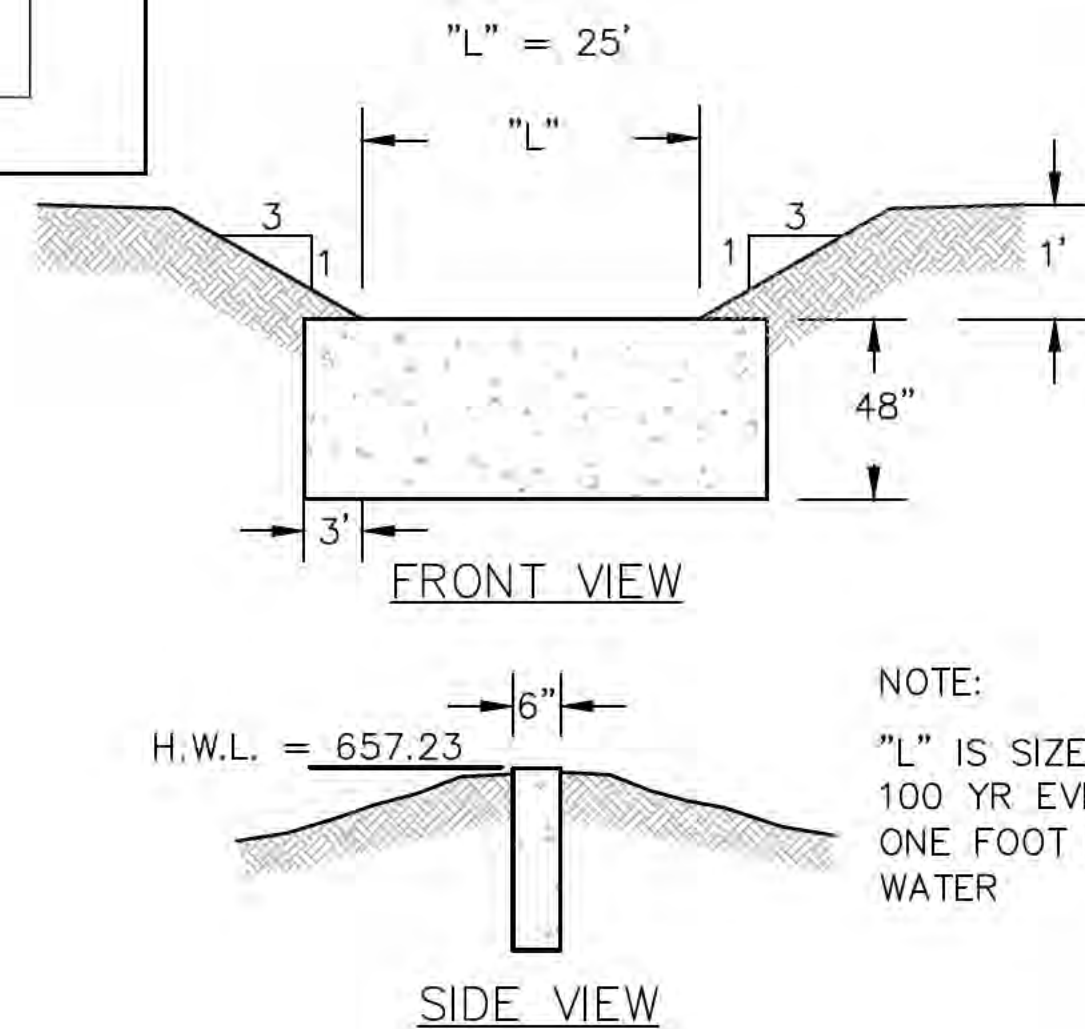
GRAVEL STORAGE LOT DETAIL

N.T.S.

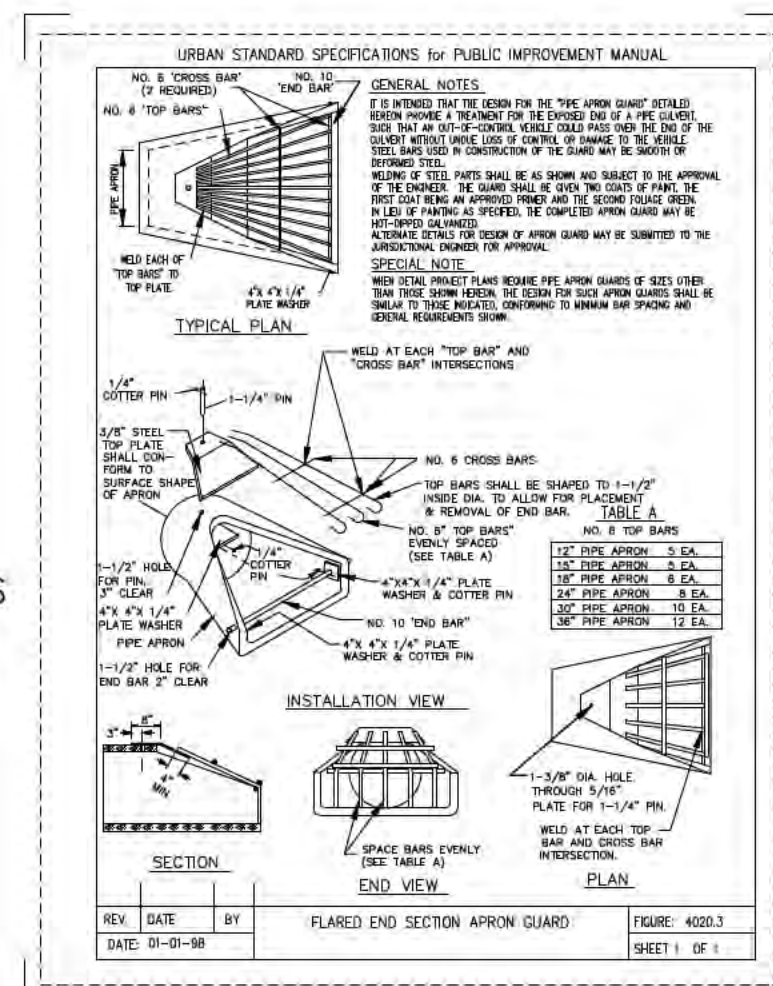


1 1/2" HMA IL-9.5, N-50 SURFACE COURSE
2 1/2" HMA IL-19, N-50 BINDER COURSE

16" AGGREGATE COURSE, TYPE A, CA-6

TYPICAL PAVEMENT DETAIL**CONCRETE OVERFLOW DETAIL**

N.T.S.



NOTE:

"L" IS SIZED TO PASS 100 YR EVENT WITH ONE FOOT DEPTH OF WATER



TEBRUGGE ENGINEERING

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NO.	DATE	NOTES

PREPARED FOR:
BEST BUDGET TREE SERVICE
22419 W RENWICK RD, PLAINFIELD, IL

BEST BUDGET TREE SITE PLAN
GENERAL NOTES & DETAILS

PROJECT NO. 22 424 02

SCALE: NTS

DATE: APRIL 14, 2022

SHEET NO.

8

OF 8 SHEETS

**STORMWATER MANAGEMENT
DETENTION DESIGN COMPUTATIONS
FOR BEST BUDGET TREE SERVICE
LOCATED AT 2195 US HIGHWAY 52 IN MINOOKA, IL**
BY
TEBRUGGE ENGINEERING
410 E. CHURCH ST. SUITE A
SANDWICH, IL



EXPIRES 11-30-23

BEST BUDGET TREE SERVICE IS PROPOSING TO RELOCATE THEIR TREE SERVICE BUSINESSES TO A 48 ACRE PARCEL ON US HIGHWAY 52 WEST OF ARBEITER ROAD IN MINOOKA, IL. THE TREE BUSINESS WILL OCCUPY THE CENTER PORTION OF THE SITE TAKING UP 10 ACRES OF THE SITE. THE REMAINING 38 ACRES WILL REMAIN FARM LAND. THE 10 ACRE PORTION OF THE SITE WILL BE COVERED IN GRAVEL AND REGRADED TO PROVIDE OVERLAND FLOW NORTH TO SOUTH. A STORM WATER WET DETENTION POND WILL BE CONSTRUCTED SOUTH OF THE PROPOSED BUILDING AND GRAVEL STORAGE AREA. OWNER WILL BE STORING CUT FIREWOOD AND MULCH FOR WHOLESALE DISTRIBUTION. NO RETAIL IS PROPOSED.

SUMMARY OF AREAS WITHIN THE TRIBUTARY AREA OF THE POND

TRIBUTARY AREA OF THE LOT TO THE DETENTION POND = 13.0 AC.

PROPOSED GRAVEL AREA = 424,960 SF = 9.76 AC

LANDSCAPE/WET DETENTION POND AREA = 3.0 AC

BUILDING = 80X120 + 8X130 = 10,640 SF = 0.24 AC

CALCULATION OF PROPOSED SITE CURVE NUMBER (CN)

IMPERVIOUS	96 X 0.24 AC = 23.04
GRAVEL:	80 X 9.76 AC = 780.80
WET POND	90 X 1.7 AC = 153.00
LANDSCAPE	65 X 1.3 AC = 84.5

TOTAL: 13.0 AC = 1041.34

CN (WEIGHTED) = 1041.34/13.0 AC. = 80.1 USE CN = 80

RESTRICTOR SIZING: $Q = CA (2GII)^{1/2}$ 100 yr Q allow = 0.15 * 13.0 AC. = 1.95 cfs

2 yr Q allow = 0.04 x 13.3 ac = 0.52 cf

See detention pond computations for restrictor sizing: USING 6" DIA RESTRICTOR @ EL 580.50

DETENTION POND STORAGE VOLUME REQUIRED = 5.22 AC-FT. @ ELEV. = 583.51

DETENTION POND STORAGE VOLUME PROVIDED = 5.37 AC-FT. W/ HWL @ 583.60

100 YEAR RELEASE RATE = 1.57 CFS @ HWL = 583.51

2 YEAR RELEASE RATE = 0.42 CFS @ HWL = 580.95

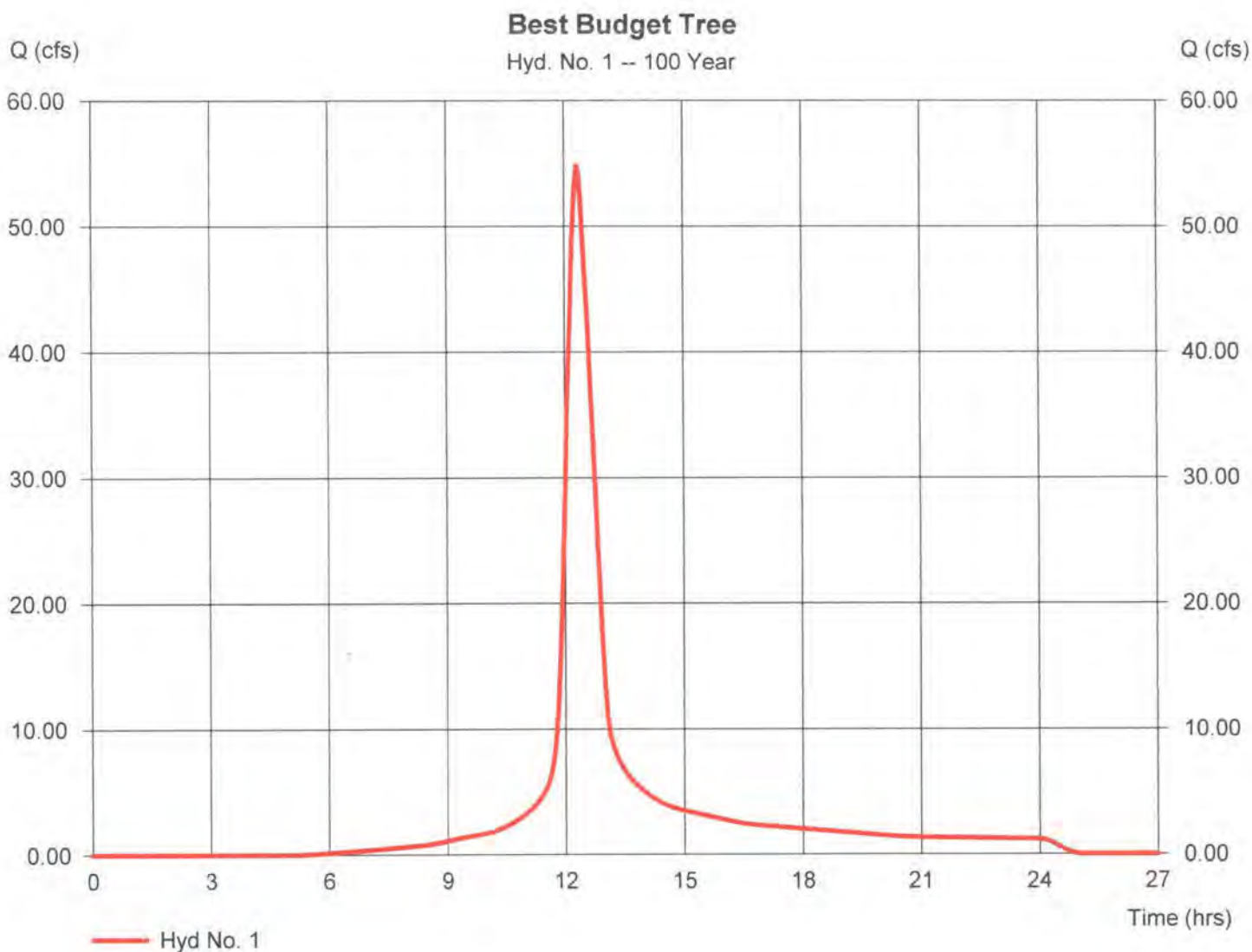
OVERFLOW WEIR LENGTH: $Q = CL(H^{1.5})$ C = 3.2 H = 1.0 Q = 54.83 cfs
 $L = Q/C H^{1.5}$ L = 54.83/3.2 X 1.0 = 17.13 FT
 USE 20 FEET ACTUAL H = 0.90 FT.

Hydrograph Report

Hyd. No. 1

Best Budget Tree

Hydrograph type	= SCS Runoff	Peak discharge	= 54.83 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.30 hrs
Time interval	= 3 min	Hyd. volume	= 290,751 cuft
Drainage area	= 13.000 ac	Curve number	= 80
Basin Slope	= 0.5 %	Hydraulic length	= 1000 ft
Tc method	= LAG	Time of conc. (Tc)	= 45.03 min
Total precip.	= 8.57 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484



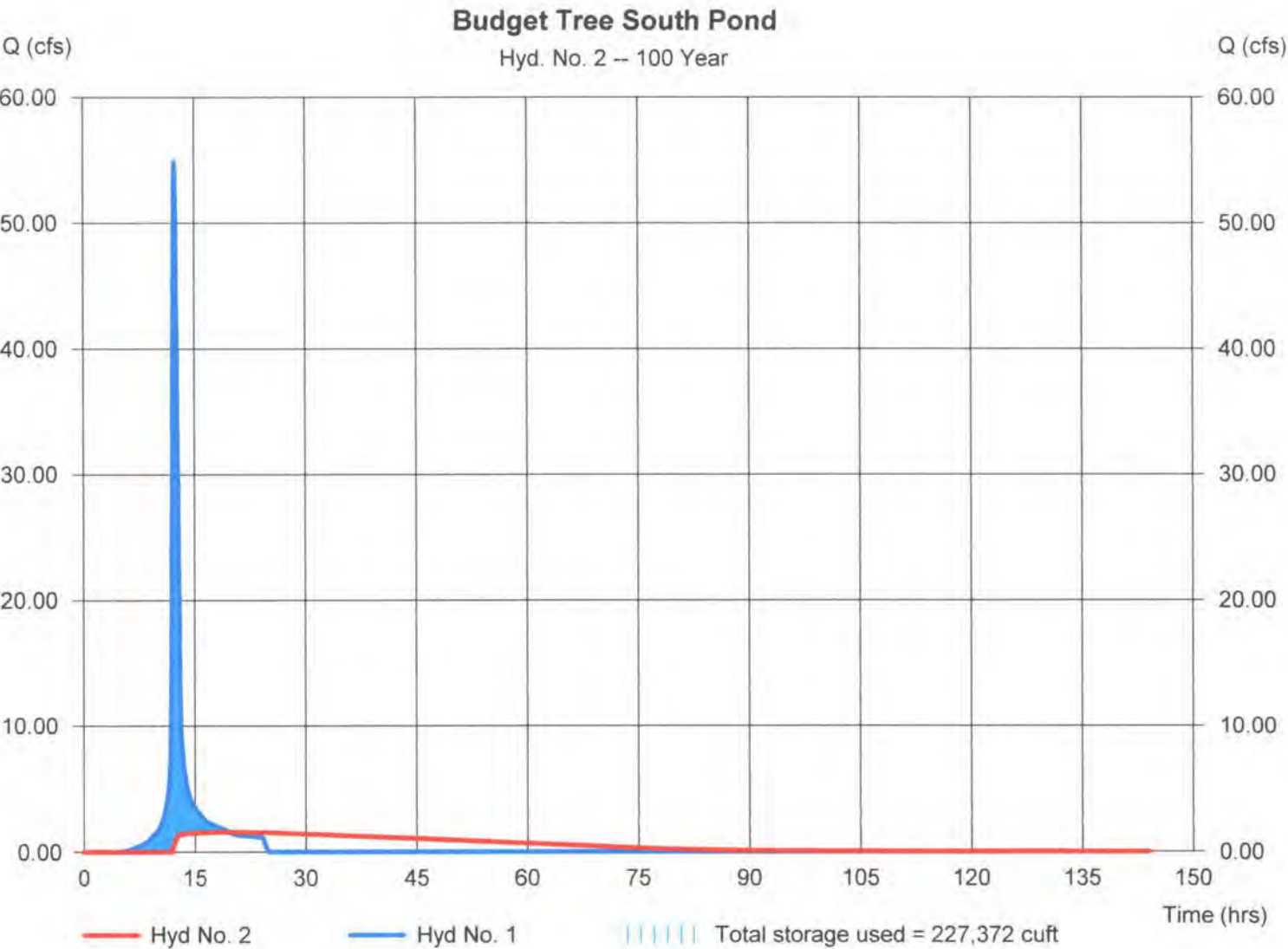
Hydrograph Report

Hyd. No. 2

Budget Tree South Pond

Hydrograph type	= Reservoir	Peak discharge	= 1.571 cfs
Storm frequency	= 100 yrs	Time to peak	= 19.75 hrs
Time interval	= 3 min	Hyd. volume	= 257,456 cuft
Inflow hyd. No.	= 1 - Best Budget Tree	Max. Elevation	= 583.51 ft
Reservoir name	= South Pond	Max. Storage	= 227,372 cuft

Storage Indication method used.



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2021

Tuesday, 04 / 12 / 2022

Hyd. No. 2

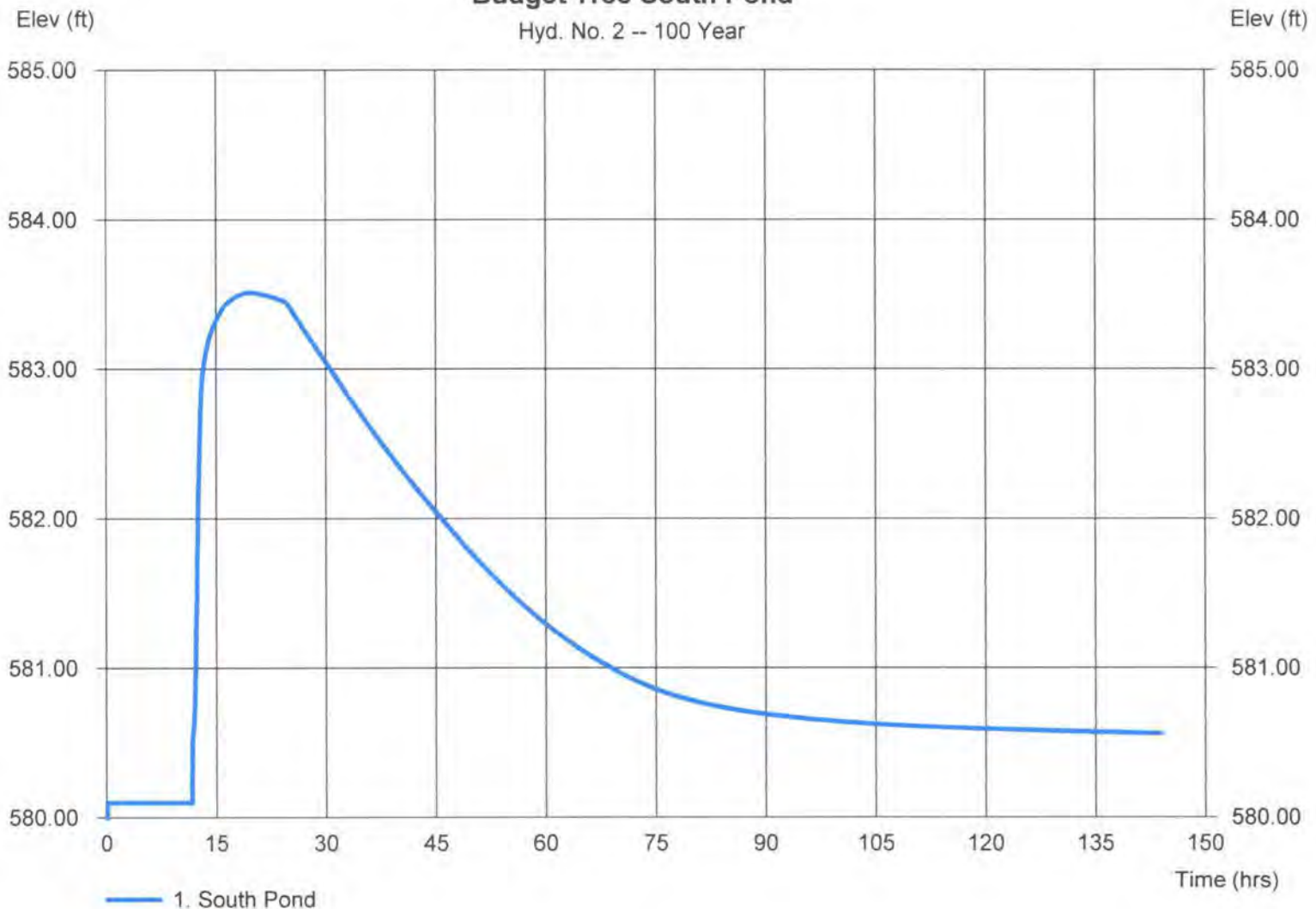
Budget Tree South Pond

Hydrograph type	= Reservoir	Peak discharge	= 1.571 cfs
Storm frequency	= 100 yrs	Time to peak	= 19.75 hrs
Time interval	= 3 min	Hyd. volume	= 257,456 cuft
Inflow hyd. No.	= 1 - Best Budget Tree	Max. Elevation	= 583.51 ft
Reservoir name	= South Pond	Max. Storage	= 227,372 cuft

Storage Indication method used.

Budget Tree South Pond

Hyd. No. 2 -- 100 Year



Pond Report

Pond No. 1 - South Pond

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 580.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	580.00	57,600	0	0
1.00	581.00	61,504	59,535	59,535
2.00	582.00	65,536	63,503	123,038
3.00	583.00	69,696	67,599	190,637
4.00	584.00	73,984	71,822	262,459

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 6.00	0.00	0.00	0.00
Span (in)	= 6.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 580.50	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).

Stage / Storage / Discharge Table

Stage ft	Storage cuft	Elevation ft	Clv A cfs	Clv B cfs	Clv C cfs	PrfRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
0.00	0	580.00	0.00	---	---	---	---	---	---	---	---	---	0.000
0.10	5,954	580.10	0.00	---	---	---	---	---	---	---	---	---	0.000
0.20	11,907	580.20	0.00	---	---	---	---	---	---	---	---	---	0.000
0.30	17,861	580.30	0.00	---	---	---	---	---	---	---	---	---	0.000
0.40	23,814	580.40	0.00	---	---	---	---	---	---	---	---	---	0.000
0.50	29,768	580.50	0.00	---	---	---	---	---	---	---	---	---	0.000
0.60	35,721	580.60	0.03 ic	---	---	---	---	---	---	---	---	---	0.030
0.70	41,675	580.70	0.11 ic	---	---	---	---	---	---	---	---	---	0.112
0.80	47,628	580.80	0.23 ic	---	---	---	---	---	---	---	---	---	0.229
0.90	53,582	580.90	0.36 ic	---	---	---	---	---	---	---	---	---	0.362
1.00	59,535	581.00	0.47 ic	---	---	---	---	---	---	---	---	---	0.473
1.10	65,886	581.10	0.56 ic	---	---	---	---	---	---	---	---	---	0.559
1.20	72,236	581.20	0.63 ic	---	---	---	---	---	---	---	---	---	0.634
1.30	78,586	581.30	0.70 ic	---	---	---	---	---	---	---	---	---	0.701
1.40	84,937	581.40	0.76 ic	---	---	---	---	---	---	---	---	---	0.762
1.50	91,287	581.50	0.82 ic	---	---	---	---	---	---	---	---	---	0.819
1.60	97,637	581.60	0.87 ic	---	---	---	---	---	---	---	---	---	0.871
1.70	103,987	581.70	0.92 ic	---	---	---	---	---	---	---	---	---	0.921
1.80	110,338	581.80	0.97 ic	---	---	---	---	---	---	---	---	---	0.969
1.90	116,688	581.90	1.01 ic	---	---	---	---	---	---	---	---	---	1.014
2.00	123,038	582.00	1.06 ic	---	---	---	---	---	---	---	---	---	1.057
2.10	129,798	582.10	1.10 ic	---	---	---	---	---	---	---	---	---	1.098
2.20	136,558	582.20	1.14 ic	---	---	---	---	---	---	---	---	---	1.138
2.30	143,318	582.30	1.18 ic	---	---	---	---	---	---	---	---	---	1.177
2.40	150,078	582.40	1.21 ic	---	---	---	---	---	---	---	---	---	1.214
2.50	156,838	582.50	1.25 ic	---	---	---	---	---	---	---	---	---	1.250
2.60	163,598	582.60	1.29 ic	---	---	---	---	---	---	---	---	---	1.286
2.70	170,357	582.70	1.32 ic	---	---	---	---	---	---	---	---	---	1.320
2.80	177,117	582.80	1.35 ic	---	---	---	---	---	---	---	---	---	1.353
2.90	183,877	582.90	1.39 ic	---	---	---	---	---	---	---	---	---	1.386
3.00	190,637	583.00	1.42 ic	---	---	---	---	---	---	---	---	---	1.418
3.10	197,819	583.10	1.45 ic	---	---	---	---	---	---	---	---	---	1.449
3.20	205,001	583.20	1.48 ic	---	---	---	---	---	---	---	---	---	1.480
3.30	212,184	583.30	1.51 ic	---	---	---	---	---	---	---	---	---	1.510
3.40	219,366	583.40	1.54 ic	---	---	---	---	---	---	---	---	---	1.539
3.50	226,548	583.50	1.57 ic	---	---	---	---	---	---	---	---	---	1.568
3.60	233,730	583.60	1.60 ic	---	---	---	---	---	---	---	---	---	1.596

Continues on next page...

South Pond

Stage / Storage / Discharge Table

Stage ft	Storage cuft	Elevation ft	Clv A cfs	Clv B cfs	Clv C cfs	PrfRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
3.70	240,912	583.70	1.62 ic	---	---	---	---	---	---	---	---	---	1.624
3.80	248,095	583.80	1.65 ic	---	---	---	---	---	---	---	---	---	1.651
3.90	255,277	583.90	1.68 ic	---	---	---	---	---	---	---	---	---	1.678
4.00	262,459	584.00	1.70 ic	---	---	---	---	---	---	---	---	---	1.704

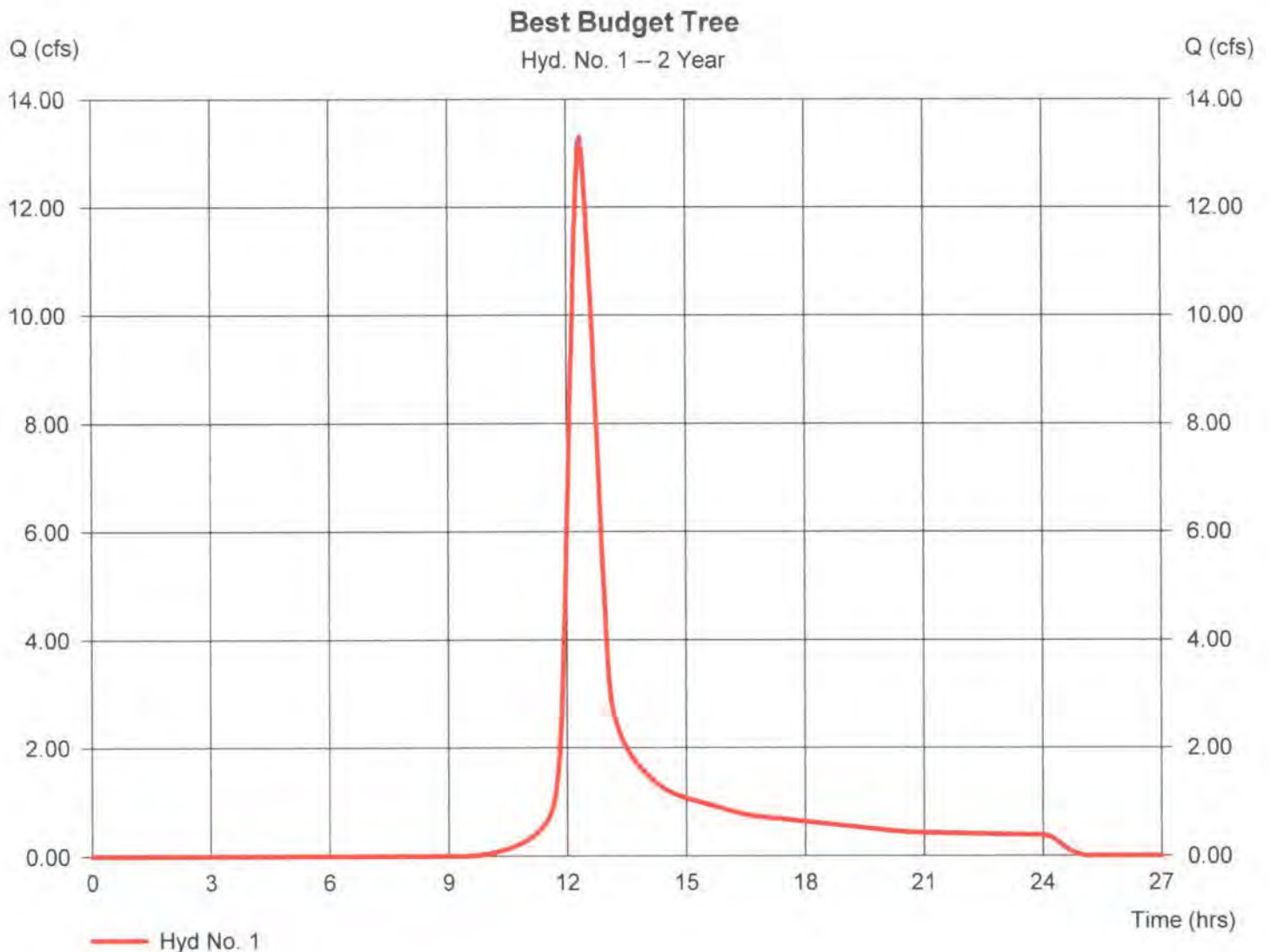
...End

Hydrograph Report

Hyd. No. 1

Best Budget Tree

Hydrograph type	= SCS Runoff	Peak discharge	= 13.31 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.35 hrs
Time interval	= 3 min	Hyd. volume	= 71,276 cuft
Drainage area	= 13.000 ac	Curve number	= 80
Basin Slope	= 0.5 %	Hydraulic length	= 1000 ft
Tc method	= LAG	Time of conc. (Tc)	= 45.03 min
Total precip.	= 3.34 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2021

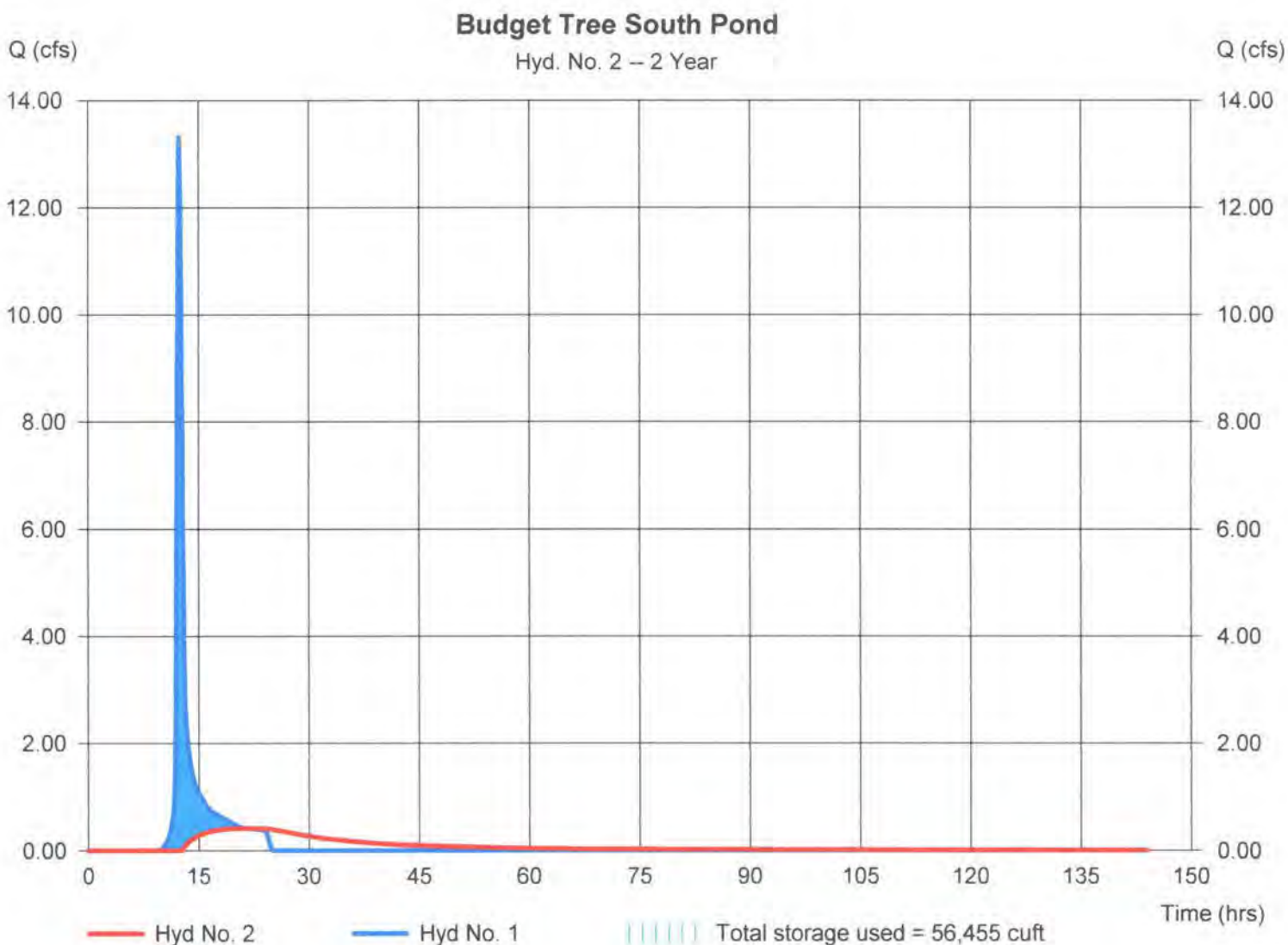
Tuesday, 04 / 12 / 2022

Hyd. No. 2

Budget Tree South Pond

Hydrograph type	= Reservoir	Peak discharge	= 0.416 cfs
Storm frequency	= 2 yrs	Time to peak	= 21.95 hrs
Time interval	= 3 min	Hyd. volume	= 39,988 cuft
Inflow hyd. No.	= 1 - Best Budget Tree	Max. Elevation	= 580.95 ft
Reservoir name	= South Pond	Max. Storage	= 56,455 cuft

Storage Indication method used.



Hydrograph Report

Hyd. No. 2

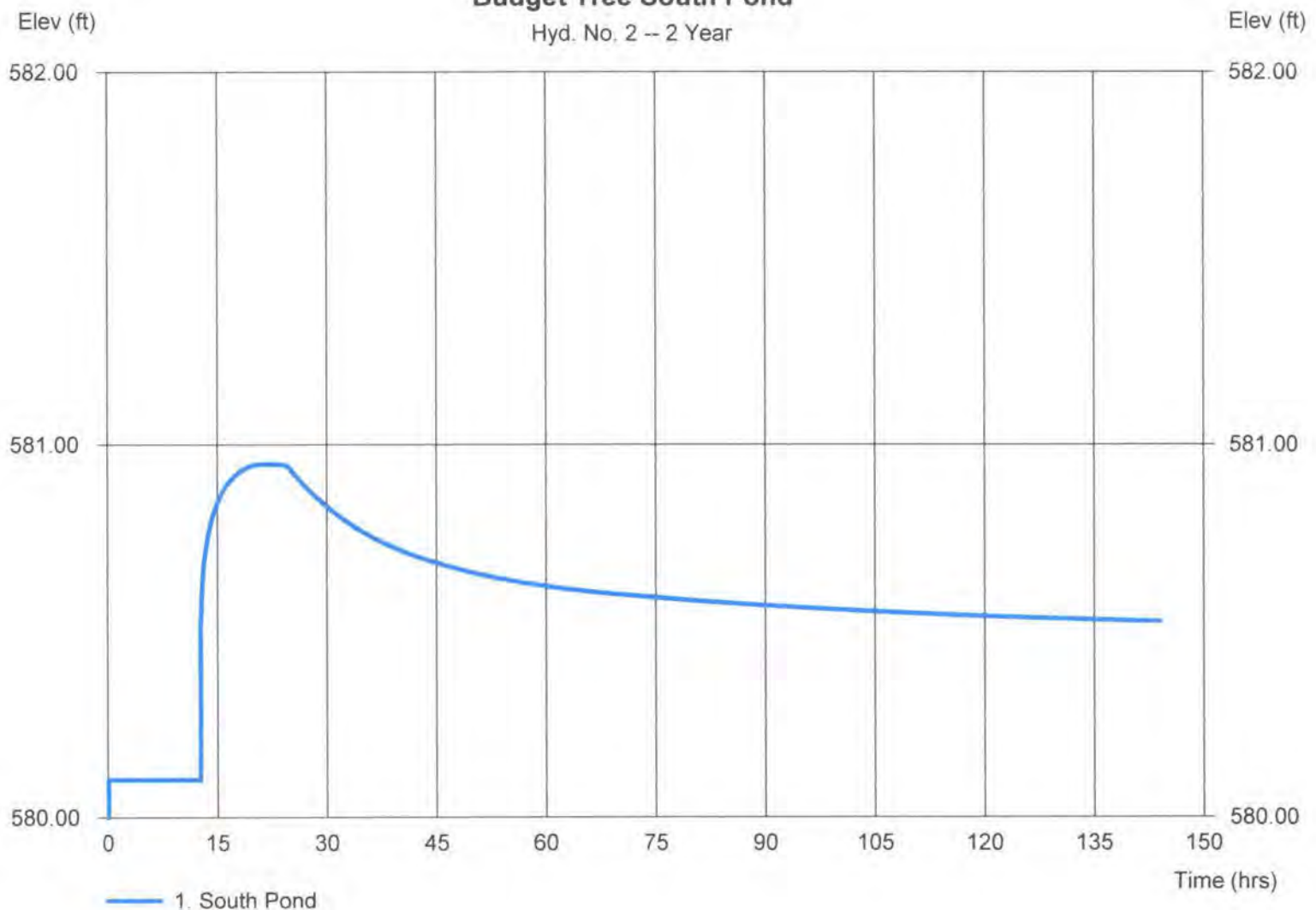
Budget Tree South Pond

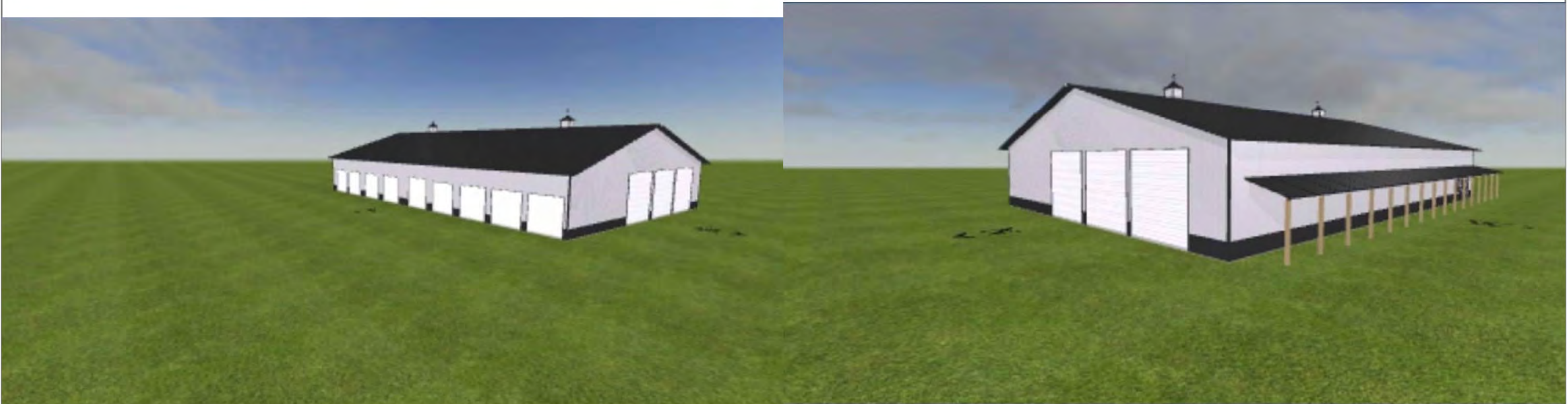
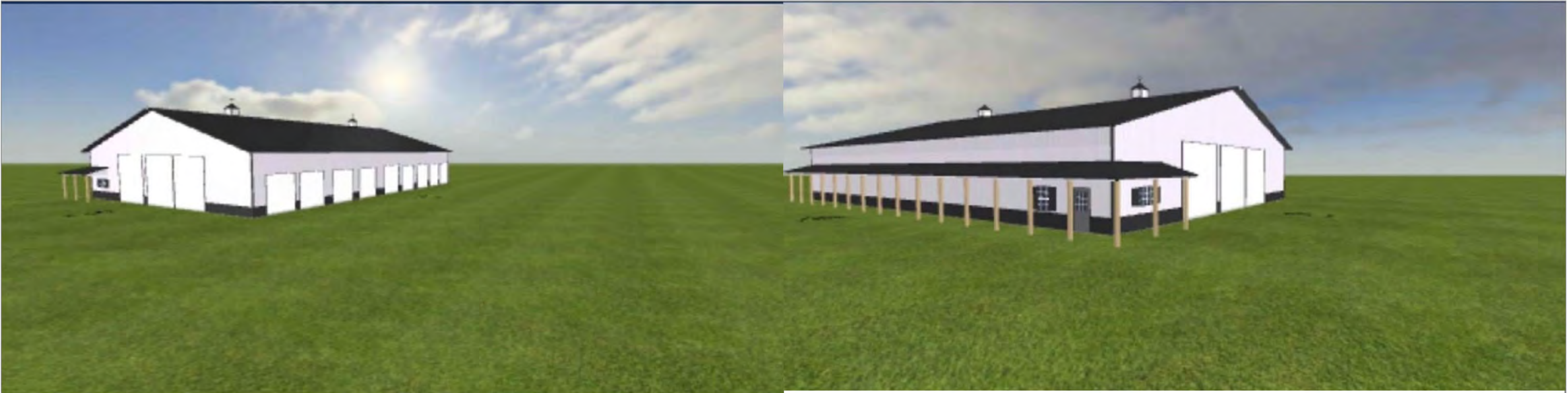
Hydrograph type	= Reservoir	Peak discharge	= 0.416 cfs
Storm frequency	= 2 yrs	Time to peak	= 21.95 hrs
Time interval	= 3 min	Hyd. volume	= 39,988 cuft
Inflow hyd. No.	= 1 - Best Budget Tree	Max. Elevation	= 580.95 ft
Reservoir name	= South Pond	Max. Storage	= 56,455 cuft

Storage Indication method used.

Budget Tree South Pond

Hyd. No. 2 -- 2 Year





Matt Asselmeier

From: Torri, James N <jtorri@joliet.gov>
Sent: Thursday, April 21, 2022 10:09 AM
To: Matt Asselmeier
Subject: [External]RE: 09-15-200-003 Question

CAUTION - This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Matt,

Joliet would not require this.

Thanks,

James N. Torri
City of Joliet
Planning Director
150 W. Jefferson Street
Joliet, IL 60432
(815) 724-4049
Fax: (815) 724-4056
www.joliet.gov

From: Matt Asselmeier <masselmeier@co.kendall.il.us>
Sent: Wednesday, April 20, 2022 9:47 AM
To: Torri, James N <jtorri@joliet.gov>; Engel, Natalie (nengel@vil.shorewood.il.us) <nengel@vil.shorewood.il.us>
Cc: Scott Koeppel <skoeppel@co.kendall.il.us>; Scott Gengler <sgengler@co.kendall.il.us>; Fran Klaas <FKlaas@co.kendall.il.us>
Subject: 09-15-200-003 Question

[EXTERNAL EMAIL] This message originated outside of the organization.

Jim and Natalie:

Kendall County received an application for a special use permit for a landscaping business at this property.

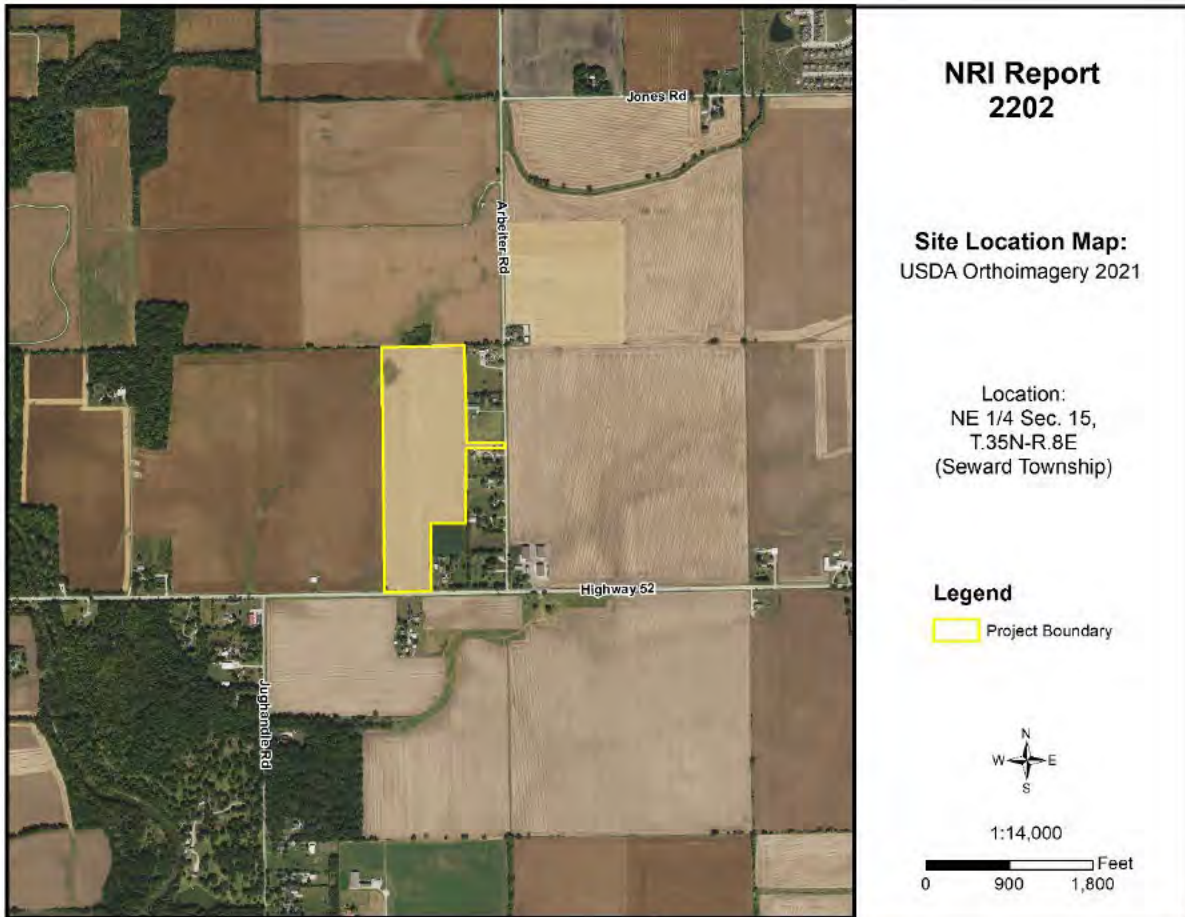
While this property is inside Shorewood's planning area, Joliet's plan calls for a bike path along Route 52 at this property. IDOT verbally told me that they do not want a ROW dedication.

Do either of your municipalities want a ROW dedication?

Thanks,

Matthew H. Asselmeier, AICP, CFM
Senior Planner
Kendall County Planning, Building & Zoning
111 West Fox Street
Yorkville, IL 60560-1498

NATURAL RESOURCE INFORMATION (NRI) REPORT: #2202



May
2022

Petitioner: Best Budget Tree Service
Contact: Jeremy Dippold

Prepared By:


**Kendall County Soil & Water
Conservation District**

7775A Route 47
Yorkville, Illinois 60560
Phone: (630) 553-5821 x3
www.kendallswcd.org

KENDALL COUNTY SOIL AND WATER CONSERVATION DISTRICT NATURAL RESOURCE INFORMATION (NRI) REPORT

Natural Resource Information Report Number	2202
Date District Board Reviews Application	May 2022
Applicant's Name	Best Budget Tree Service
Size of Parcel	48.59 acres
Current Zoning & Use	A-1 Agricultural
Proposed Zoning & Use	A-1 SU Agricultural with Special Use Permit; Tree Service Business
Parcel Index Number(s)	09-15-200-003
Contact Person	Jeremy Dippold

Copies of this report or notification of the proposed land-use change was provided to:	Yes	No
The Applicant	X	
The Applicant's Legal Representation		X
The Local/Township Planning Commission	X	
The Village/City/County Planning and Zoning Department or Appropriate Agency	X	
The Kendall County Soil and Water Conservation District Files	X	

Report Prepared By: *Alyse Olson* Position: *Resource Conservationist*

PURPOSE AND INTENT

The purpose of this report is to provide officials of the local governing body and other decision-makers with natural resource information. This information may be useful when undertaking land use decisions concerning variations, amendments or relief of local zoning ordinances, proposed subdivision of vacant or agricultural lands and the subsequent development of these lands. This report is a requirement under Section 22.02a of the Illinois Soil and Water Conservation Districts Act.

The intent of this report is to present the most current natural resource information available in a readily understandable manner. It contains a description of the present site conditions, the present resources, and the potential impacts that the proposed change may have on the site and its resources. The natural resource information was gathered from standardized data, on-site investigations and information furnished by the petitioner. This report must be read in its entirety so that the relationship between the natural resource factors and the proposed land use change can be fully understood.

Due to the limitations of scale encountered with the various resource maps, the property boundaries depicted in the various exhibits in this report provide a generalized representation of the property location and may not precisely reflect the legal description of the PIQ (Parcel in Question).

This report, when used properly, will provide the basis for proper land use change decisions and development while protecting the natural resource base of the county. It should not be used in place of detailed environmental and/or engineering studies that are warranted under most circumstances, but in conjunction with those studies.

The conclusions of this report in no way indicate that a certain land use is not possible, but it should alert the reader to possible problems that may occur if the capabilities of the land are ignored. Any questions on the technical data supplied in this report or if anyone feels that they would like to see more additional specific information to make the report more effective, please contact:

Kendall County Soil and Water Conservation District
7775A Route 47, Yorkville, IL 60560
Phone: (630) 553-5821 ext. 3
E-mail: Alyse.Olson@il.nacdnet.net

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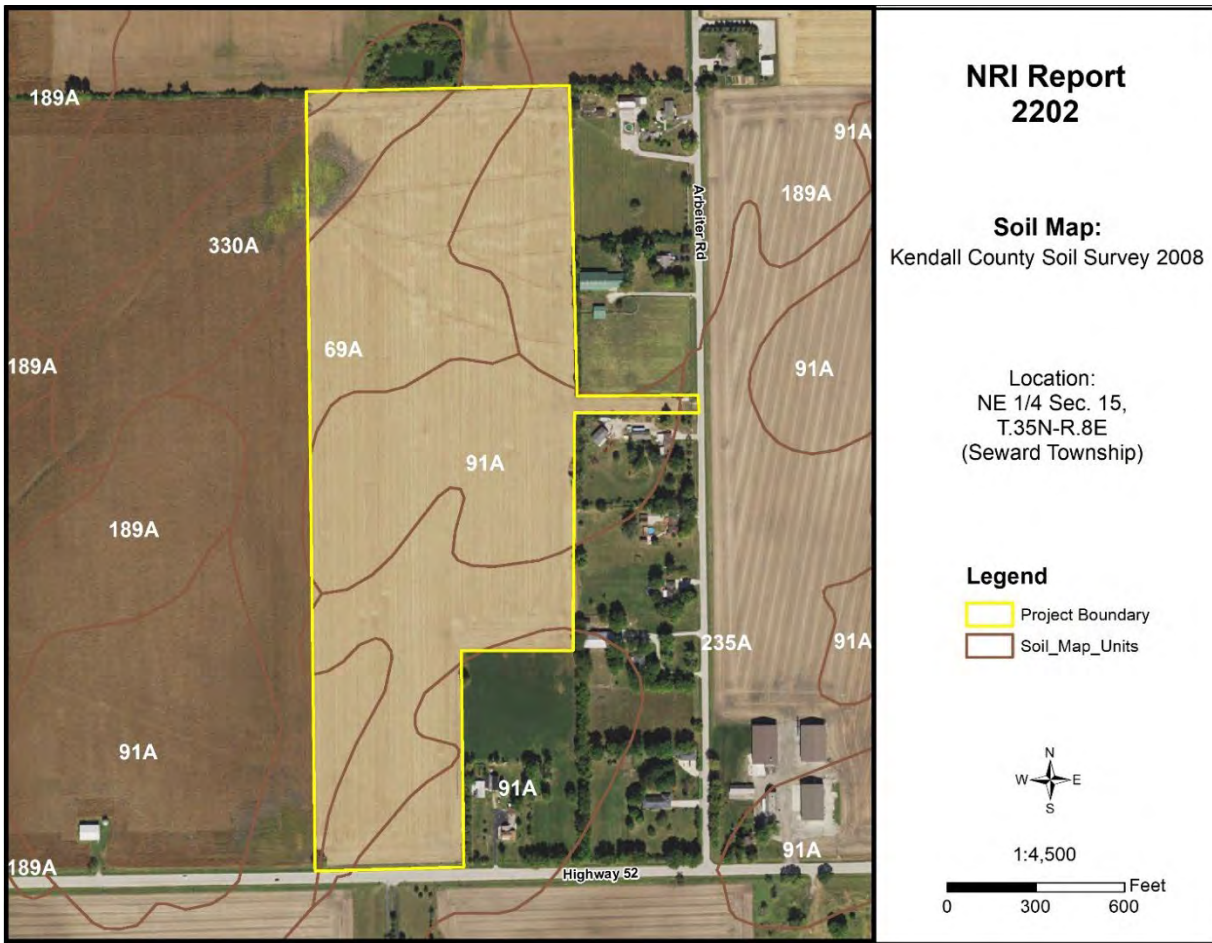
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EXECUTIVE SUMMARY

Natural Resource Information Report Number	#2202
Petitioner	Best Budget Tree Service
Contact Person	Jeremy Dippold
County or Municipality the Petition is Filed With	Kendall County
Location of Parcel	NE ¼ of Section 15, Township 35 North, Range 8 East (Seward Township) of the 3 rd Principal Meridian
Project or Subdivision Name	Best Budget Tree Service
Existing Zoning & Land Use	A-1 Agricultural
Proposed Zoning & Land Use	A-1 SU Agricultural with Special Use Permit; Tree Service Business
Proposed Water Source	Well
Proposed Type of Sewage Disposal System	Septic
Proposed Type of Storm Water Management	Wet Bottom Detention Pond
Size of Site	48.59 acres
Land Evaluation Site Assessment Score	210 (Land Evaluation: 85; Site Assessment: 125)

NATURAL RESOURCE CONSIDERATIONS**Figure 1: Soil Map****SOIL INFORMATION**

Based on information from the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) 2008 Kendall County Soil Survey, this parcel is shown to contain the following soil types (please note this does not replace the need for or results of onsite soil testing; if completed, please refer to onsite soil test results for planning/engineering purposes):

Table 1: Soils Information

Map Unit	Soil Name	Drainage Class	Hydrologic Group	Hydric Designation	Farmland Designation
69A	Milford silty clay loam, 0-2% slopes	Poorly Drained	C/D	Hydric	Prime Farmland if drained
91A	Swygert silty clay loam, 0-2% slopes	Somewhat Poorly Drained	C/D	Non-Hydric	Prime Farmland
189A	Martinton silt loam, 0-2% slopes	Somewhat Poorly Drained	C/D	Non-Hydric	Prime Farmland
235A	Bryce silty clay, 0-2% slopes	Poorly Drained	C/D	Hydric	Prime Farmland if drained
330A	Peotone silty clay loam, 0-2% slopes	Very Poorly Drained	C/D	Hydric	Prime Farmland if drained

Hydrologic Soil Groups – Soils have been classified into four (A, B, C, D) hydrologic groups based on runoff characteristics due to rainfall. If a soil is assigned to a dual hydrologic group (A/D, B/D or C/D), the first letter is for drained areas and the second letter is for undrained areas.

- **Hydrologic group A:** Soils have a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.
- **Hydrologic group B:** Soils have a moderate infiltration rate when thoroughly wet, consist chiefly of moderately deep to deep, moderately well drained to well drained soils that have a moderately fine to moderately coarse texture. These soils have a moderate rate of water transmission.
- **Hydrologic group C:** Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.
- **Hydrologic group D:** Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Hydric Soils – A hydric soil is one that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part of the soil profile that supports the growth or regeneration of hydrophytic vegetation. Soils with hydric inclusions have map units dominantly made up of non-hydric soils that may have inclusions of hydric soils in the lower positions on the landscape. Of the soils found onsite, three are classified as hydric soil (69A Milford silty clay loam, 235A Bryce silty clay, and 330A Peotone silty clay loam), and the remaining soils are classified as non-hydric soils with hydric inclusions likely (91A Swygert silty clay loam and 189A Martinton silt loam).

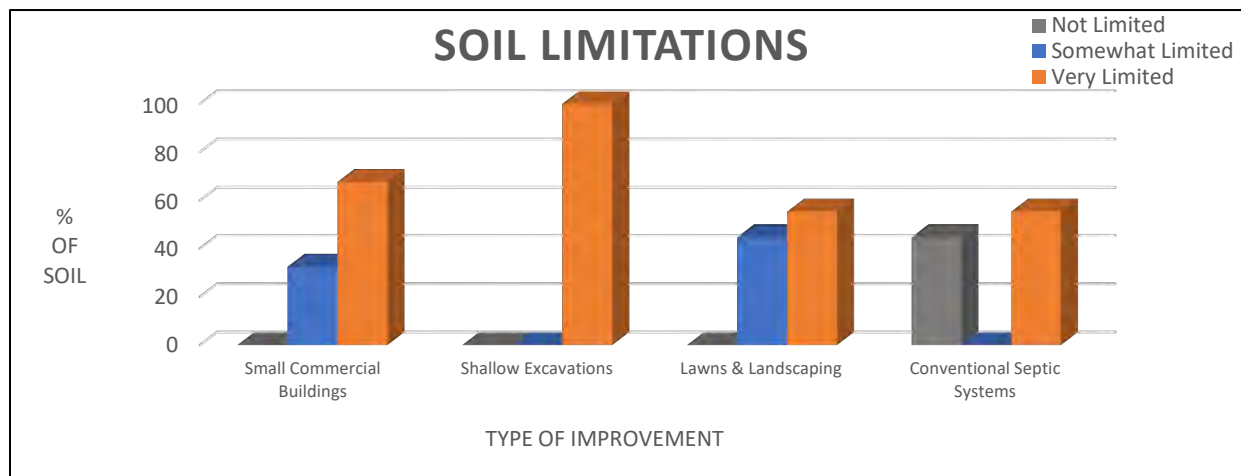
Prime Farmland – Prime farmland is land that has the best combination of physical and chemical characteristics for agricultural production. Prime farmland soils are an important resource to Kendall County and some of the most productive soils in the United States occur locally. Of the soils found onsite, all are designated as prime farmland.

Soil Limitations – The USDA-NRCS Web Soil Survey rates the limitations of soils for dwellings with basements, dwellings without basements, small commercial buildings, shallow excavations, lawns/landscaping, and local roads and streets. Soils have different properties which influence the development of building sites. The USDA-NRCS classifies soils as Not Limited, Somewhat Limited, and Very Limited. Soils that are Not Limited indicates that the soil has properties that are favorable for the specified use. They will perform well and will have low maintenance. Soils that are Somewhat Limited are moderately favorable, and their limitations can be overcome through special planning, design, or installation. Soils that are Very Limited have features that are unfavorable for the specified use, and their limitations cannot easily be overcome.

Table 2: Soil Limitations

Soil Type	Small Commercial Buildings	Shallow Excavations	Lawns/ Landscaping	Conventional Septic Systems
69A	Very Limited	Very Limited	Very Limited	Unsuitable / Very Limited
91A	Somewhat Limited	Very Limited	Somewhat Limited	Suitable / Not Limited
189A	Very Limited	Very Limited	Somewhat Limited	Suitable / Not Limited
235A	Very Limited	Very Limited	Very Limited	Unsuitable / Very Limited
330A	Very Limited	Very Limited	Very Limited	Unsuitable / Very Limited

Septic Systems – The factors considered for determining suitability are the characteristics and qualities of the soil that affect the limitations for absorbing waste from domestic sewage disposal systems. The major features considered are soil permeability, percolation rate, groundwater level, depth to bedrock, flooding hazards, and slope. Soils are deemed unsuitable per the Kendall County Subdivision Control Ordinance. Installation of an on-site sewage disposal system in soils designated as unsuitable may necessitate the installation of a non-conventional onsite sewage disposal system. For more information please contact the Kendall County Health Department (811 W. John Street, Yorkville, IL; (630) 553-9100 ext. 8026).

**Figure 2:** Soil Limitations

KENDALL COUNTY LAND EVALUATION AND SITE ASSESSMENT (LESA)

Decision-makers in Kendall County use the Land Evaluation and Site Assessment (LESA) system to determine the suitability of a land use change and/or a zoning request as it relates to agricultural land. The LESA system was developed by the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) and takes into consideration local conditions such as physical characteristics of the land, compatibility of surrounding land-uses, and urban growth factors. The LESA system is a two-step procedure that includes:

- **Land Evaluation (LE):** The soils of a given area are rated and placed in groups ranging from the best to worst suited for a stated agriculture use, cropland, or forestland. The best group is assigned a value of 100 and all other groups are assigned lower values. The Land Evaluation is

based on data from the Kendall County Soil Survey. The Kendall County Soil and Water Conservation District is responsible for this portion of the LESA system.

- The Land Evaluation score for this site is **85**, indicating that this site is **well suited** for agricultural uses.
- **Site Assessment (SA):** The site is numerically evaluated according to important factors that contribute to the quality of the site. Each factor selected is assigned values in accordance with the local needs and objectives. The Site Assessment value is based on a 200-point scale and accounts for 2/3 of the total score. The Kendall County LESA Committee is responsible for this portion of the LESA system.
 - The Site Assessment score for this site is **125**.

The **LESA Score for this site is 210 out of a possible 300, which indicates a medium level of protection** for the proposed project site. Note: Selecting the project site with the lowest total points will generally protect the best farmland located in the most viable areas and maintain and promote the agricultural industry in Kendall County. If the project is agricultural in nature, however, a higher score may provide an indication of the suitability of the project as it relates to the compatibility with existing agricultural land use.

WETLANDS

The U.S. Fish & Wildlife Service's National Wetlands Inventory map **indicates the presence** of a wetland(s) on the proposed project site. To determine if a wetland is present, a wetland delineation specialist, who is recognized by the U.S. Army Corps of Engineers, should determine the exact boundaries and value of the wetlands.

FLOODPLAIN

The Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Map (FIRM) for Kendall County, Community Panel No. 17093C0145H (effective date January 8, 2014) was reviewed to determine the presence of floodplain and floodway areas within the project site. According to the map, the parcel is **not located within** the floodplain or floodway.

SEDIMENT AND EROSION CONTROL

Development on this site should include an erosion and sediment control plan in accordance with local, state, and federal regulations. Soil erosion on construction sites is a resource concern because suspended sediment from areas undergoing development is a primary nonpoint source of water pollution. Please consult the *Illinois Urban Manual* (<https://illinoisurbanmanual.org/>) for appropriate best management practices.

LAND USE FINDINGS:

The Kendall County Soil and Water Conservation District (SWCD) Board has reviewed the proposed development plans for Petitioner Best Budget Tree Service for the Special Use Permit request to construct and operate a tree service and landscaping business on one parcel (Parcel Index Number 09-15-200-003) within Seward Township of Kendall County located in the NE ¼ of Section 15, Township 35N, and Range 8E of the 3rd Principal Meridian. Based on the information provided by the petitioner, and a review of natural resource related data available to the Kendall County SWCD, the SWCD Board presents the following information.

The Kendall County SWCD has always had the opinion that Prime Farmland should be preserved whenever feasible. Of the soils found onsite, 100% are classified as prime farmland. A land evaluation (LE), which is a part of the Land Evaluation and Site Assessment (LESA), was conducted on this parcel. The soils on this parcel scored an 85 out of a possible 100 points indicating that the soils are well suited for agricultural uses. The total LESA Score for this site is 210 out of a possible 300, which indicates a medium level of protection for the proposed project site. Selecting the project site with the lowest total points will generally protect the best farmland located in the most viable areas and maintain and promote the agricultural industry in Kendall County. If the project is agricultural in nature, however, a higher score may provide an indication of the suitability of the project as it relates to the compatibility with existing agricultural land use.

Soils found on the project site are rated for specific uses and can have potential limitations for development. Soil types with severe limitations do not preclude the ability to develop the site for the proposed use, but it is important to note that the limitation may require soil reclamation, special design/engineering, or maintenance to obtain suitable soil conditions to support development with significant limitations. This report indicates that for soils located on the parcel, 100% are very limited for shallow excavations, 68% are very limited for small commercial buildings, and 55% are very limited for lawns/landscaping. The remaining land is considered somewhat limited for these types of developments/uses. Additionally, 55% of the soils are considered unsuitable for conventional septic systems. This information is based on the soil in an undisturbed state. If the scope of the project may include the use of onsite septic systems, please consult with the Kendall County Health Department.

This site is located within the Upper Illinois River watershed and the Minooka Branch Aux Sable Creek sub watershed. This development should include a soil erosion and sediment control plan to be implemented during construction. Sediment may become a primary non-point source of pollution; eroded soils during the construction phase can create unsafe conditions on roadways, degrade water quality and destroy aquatic ecosystems lower in the watershed.

For intense use, it is recommended that a drainage tile survey be completed on the parcel to locate the subsurface drainage tile and should be taken into consideration during the land use planning process. Drainage tile expedites drainage and facilitates farming. It is imperative that these drainage tiles remain undisturbed. Impaired tile may affect a few acres or hundreds of acres of drainage.

The information that is included in this Natural Resources Information Report is to assure that the Land Developers take into full consideration the limitations of that land that they wish to develop. Guidelines and recommendations are also a part of this report and should be considered in the planning process. The Natural Resource Information Report is required by the Illinois Soil and Water Conservation District Act (Ill. Compiled Statutes, Ch. 70, Par 405/22.02a).



SWCD Board Representative

 5/2/2022
 Date

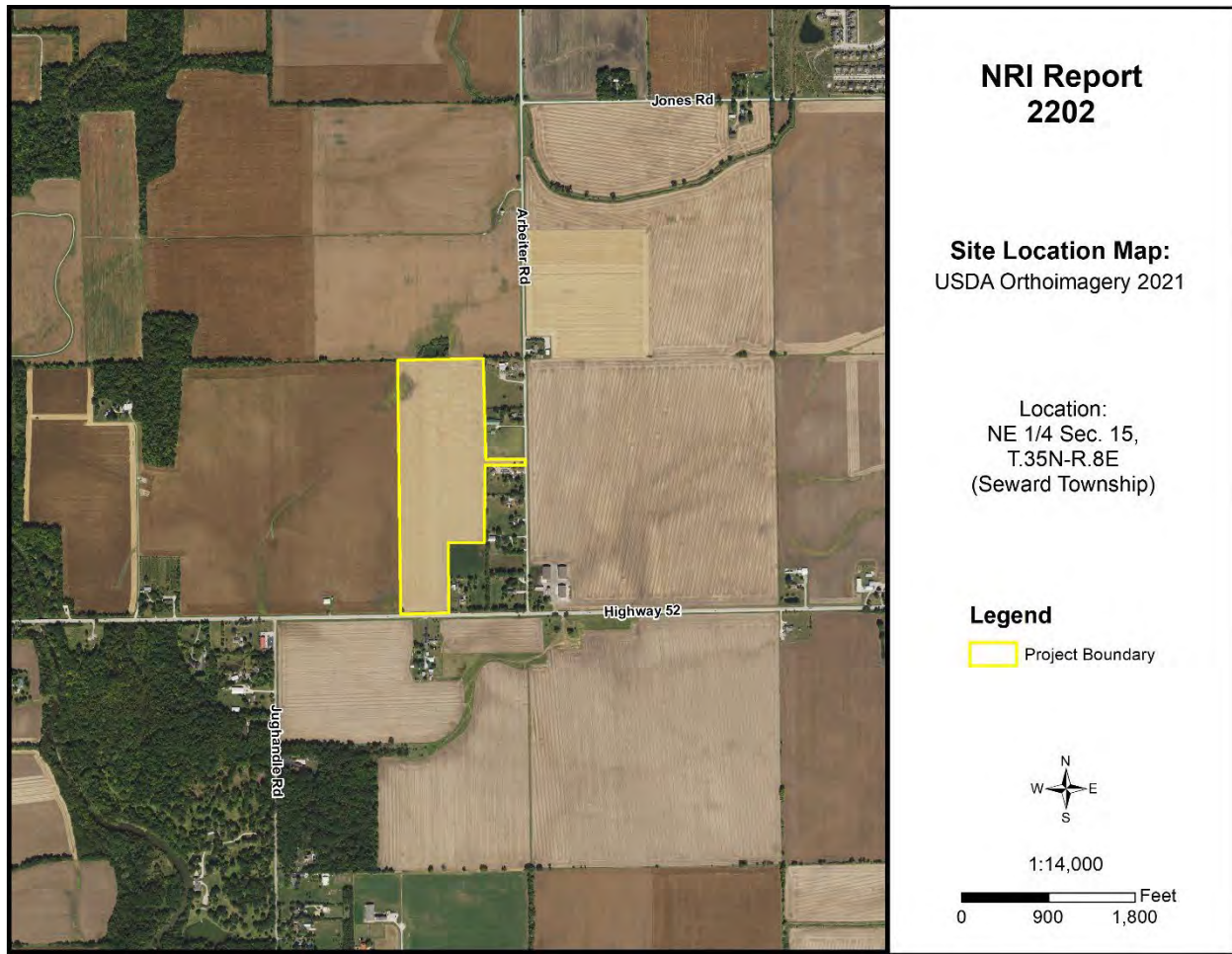


Figure 4: 2021 Aerial Map with NRI Site Boundary

ARCHAEOLOGIC/CULTURAL RESOURCES INFORMATION

Simply stated, cultural resources are all the past activities and accomplishments of people. They include the following: buildings; objects made or used by people; locations; and less tangible resources, such as stories, dance forms, and holiday traditions.

The Soil and Water Conservation District most often encounters cultural resources as historical properties. These may be prehistoric or historical sites, buildings, structures, features, or objects. The most common type of historical property that the Soil and Water Conservation District may encounter is non-structural archaeological sites. These sites often extend below the soil surface and must be protected against disruption by development or other earth moving activity if possible. Cultural resources are *non-renewable* because there is no way to “grow” a site to replace a disrupted site.

Landowners with historical properties on their land have ownership of that historical property. However, the State of Illinois owns all the following: human remains, grave markers, burial mounds, and artifacts associated with graves and human remains.

Non-grave artifacts from archaeological sites and historical buildings are the property of the landowner. The landowner may choose to disturb a historical property but may not receive federal or state assistance to do so. If an earth moving activity disturbs human remains, the landowner must contact the county coroner within 48 hours.

The Illinois Historic Preservation Agency has not been notified of the proposed land use change by the Kendall County SWCD. The applicant may need to contact the IHPA according to current Illinois law.

ECOLOGICALLY SENSITIVE AREAS

WHAT IS BIOLOGICAL DIVERSITY AND WHY SHOULD IT BE CONSERVED?¹

Biological diversity, or biodiversity, is the range of life on our planet. A more thorough definition is presented by botanist Peter H. Raven: “At the simplest level, biodiversity is the sum total of all the plants, animals, fungi and microorganisms in the world, or in a particular area; all of their individual variation; and all of the interactions between them. It is the set of living organisms that make up the fabric of the planet Earth and allow it to function as it does, by capturing energy from the sun and using it to drive all of life’s processes; by forming communities of organisms that have, through the several billion years of life’s history on Earth, altered the nature of the atmosphere, the soil and the water of our Planet; and by making possible the sustainability of our planet through their life activities now” (Raven 1994).

It is not known how many species occur on our planet. Presently, about 1.4 million species have been named. It has been estimated that there are perhaps 9 million more that have not been identified. What is known is that they are vanishing at an unprecedented rate. Reliable estimates show extinction occurring at a rate several orders of magnitude above “background” in some ecological systems (Wilson 1992, Hoose 1981).

The reasons for protecting biological diversity are complex, but they fall into four major categories. First, loss of diversity generally weakens entire natural systems. Healthy ecosystems tend to have many natural checks and balances. Every species plays a role in maintaining this system. When simplified by the loss of diversity, the system becomes more susceptible to natural and artificial perturbations. The chances of a system-wide collapse increase. In parts of the midwestern United States, for example, it was only the remnant areas of natural prairies that kept soil intact during the dust bowl years of the 1930s (Roush 1982).

Simplified ecosystems are almost always expensive to maintain. For example, when synthetic chemicals are relied upon to control pests, the target species are not the only ones affected. Their predators are almost always killed or driven away, exasperating the pest problem. In the meantime, people are unintentionally breeding pesticide-resistant pests. A process has begun where people become perpetual guardians of the affected area, which requires the expenditure of financial resources and human ingenuity to keep the system going.

A second reason for protecting biological diversity is that it represents one of our greatest untapped resources. Great benefits can be reaped from a single species. About 20 species provide 90% of the world’s food. Of these 20, just three, wheat, maize, and rice supply over one half of that food. American wheat farmers need new varieties every five to 15 years to compete with pests and diseases. Wild strains of wheat are critical genetic reservoirs for these new varieties.

Further, every species is a potential source of human medicine. In 1980, a published report identified the market value of prescription drugs from higher plants at over \$3 billion. Organic alkaloids, a class of

chemical compounds used in medicines, are found in an estimated 20% of plant species. Yet only 2% of plant species have been screened for these compounds (Hoose 1981).

The third reason for protecting diversity is that humans benefit from natural areas and depend on healthy ecosystems. The natural world supplies our air, our water, our food and supports human economic activity. Further, humans are creatures that evolved in a diverse natural environment between forest and grasslands. People need to be reassured that such places remain. When people speak of “going to the country,” they generally mean more than getting out of town. For reasons of their own sanity and wellbeing, they need a holistic, organic experience. Prolonged exposure to urban monotony produces neuroses, for which cultural and natural diversity cure.

Historically, the lack of attention to biological diversity, and the ecological processes it supports, has resulted in economic hardships for segments of the basin’s human population.

The final reason for protecting biological diversity is that species and natural systems are intrinsically valuable. The above reasons have focused on the benefits of the natural world to humans. All things possess intrinsic value simply because they exist.

BIOLOGICAL RESOURCES CONCERNING THE SUBJECT PARCEL

As part of the Natural Resources Information Report, staff checks office maps to determine if any nature preserves or ecologically sensitive areas are in the general vicinity of the parcel in question. If there is a nature preserve in the area, then that resource will be identified as part of the report. The SWCD recommends that every effort be made to protect that resource. Such efforts should include, but are not limited to erosion control, sediment control, stormwater management, and groundwater monitoring.

Office maps indicate that ecologically sensitive area(s) are located on or near the parcel in question (PIQ). There is a freshwater emergent wetland located in the northwest corner of the PIQ. There is also the Aux Sable Creek and Baker Woods Forest Preserve within a mile of the PIQ to the west.

¹Taken from *The Conservation of Biological Diversity in the Great Lakes Ecosystem: Issues and Opportunities*, prepared by the Nature Conservancy Great Lakes Program 79W. Monroe Street, Suite 1309, Chicago, IL 60603, January 1994.

SOILS INFORMATION

IMPORTANCE OF SOILS INFORMATION

Soils information comes from the Natural Resources Conservation Service Soil Maps and Descriptions for Kendall County. This information is important to all parties involved in determining the suitability of the proposed land use change.

Each soil polygon is given a number, which represents its soil type. The letter found after the soil type number indicates the soils slope class.

Each soil map unit has limitations for a variety of land uses such as septic systems, buildings with basements, and buildings without basements. It is important to remember that soils do not function independently of each other. The behavior of a soil depends upon the physical properties of adjacent soil types, the presence of artificial drainage, soil compaction, and its position in the local landscape.

The limitation categories (not limited, somewhat limited, or very limited) indicate the potential for difficulty in using that soil unit for the proposed activity and, thus, the degree of need for thorough soil borings and engineering studies. A limitation does not necessarily mean that the proposed activity cannot be done on that soil type. It does mean that the reasons for the limitation need to be thoroughly understood and dealt with to complete the proposed activity successfully. Very limited indicates that the proposed activity will be more difficult and costly to do on that soil type than on a soil type with a somewhat limited or not limited rating.

Soil survey interpretations are predictions of soil behavior for specified land uses and specified management practices. They are based on the soil properties that directly influence the specified use of the soil. Soil survey interpretations allow users of soil surveys to plan reasonable alternatives for the use and management of soils.

Soil interpretations do not eliminate the need for on-site study and testing of specific sites for the design and construction for specific uses. They can be used as a guide for planning more detailed investigations and for avoiding undesirable sites for an intended use. The scale of the maps and the range of error limit the use of the soil delineation.

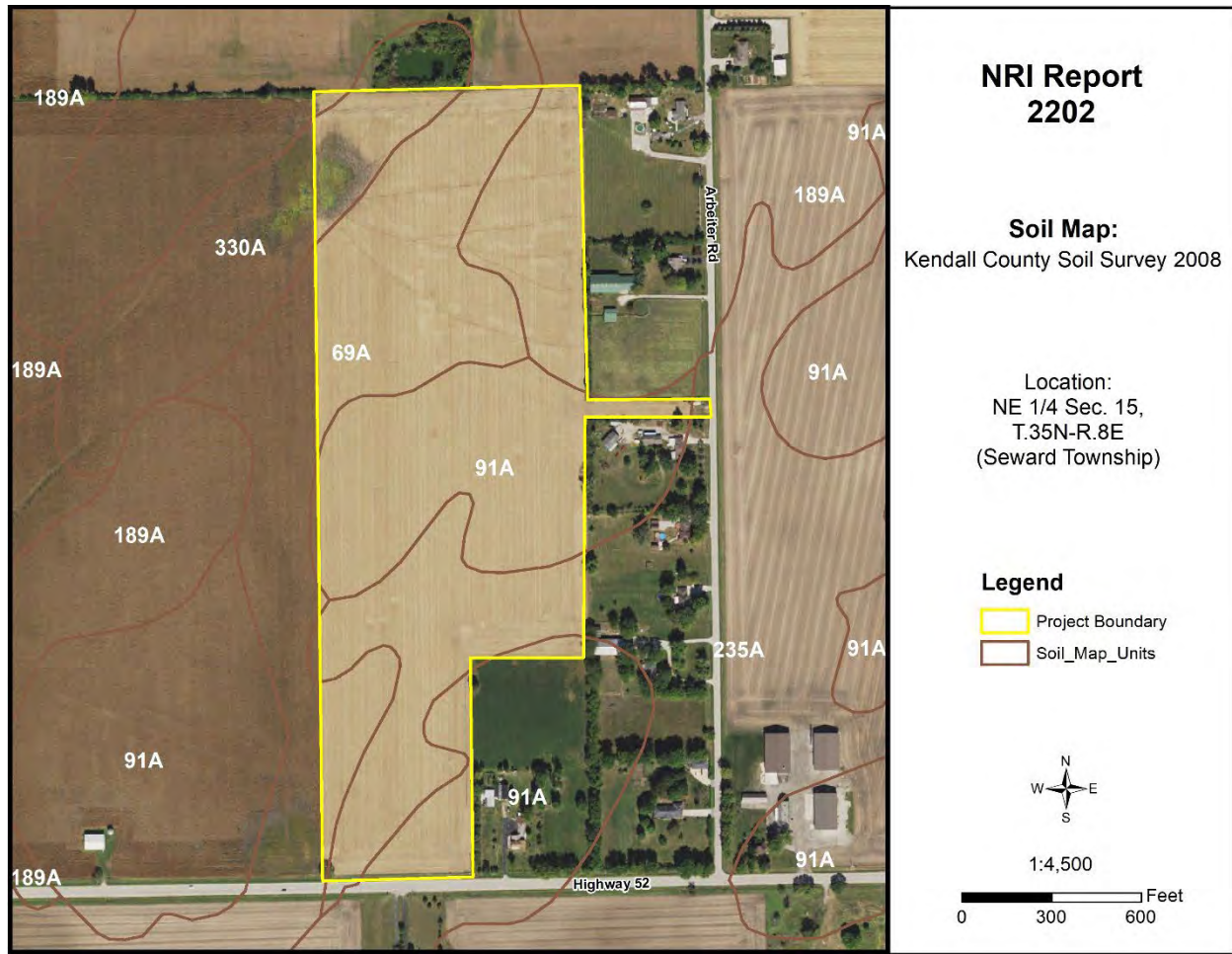


Figure 5: Soil Map

Table 3: Soil Map Unit Descriptions

Symbol	Descriptions	Acres	Percent
69A	Milford silty clay loam, 0-2% slopes	14.1	29.0%
91A	Swygert silty clay loam, 0-2% slopes	15.8	32.4%
189A	Martinton silt loam, 0-2% slopes	6.0	12.3%
235A	Bryce silty clay, 0-2% slopes	10.1	20.8%
330A	Peotone silty clay loam, 0-2% slopes	2.7	5.5%

Source: National Cooperative Soil Survey – USDA-NRCS

SOILS INTERPRETATIONS EXPLANATION

GENERAL – NONAGRICULTURAL

These interpretative ratings help engineers, planners, and others to understand how soil properties influence behavior when used for nonagricultural uses such as building site development or construction materials. This report gives ratings for proposed uses in terms of limitations and restrictive features. The tables list only the most restrictive features.

Other features may need treatment to overcome soil limitations for a specific purpose. Ratings come from the soil's "natural" state, that is, no unusual modification occurs other than that which is considered normal practice for the rated use. Even though soils may have limitations, an engineer may alter soil features or adjust building plans for a structure to compensate for most degrees of limitations. Most of these practices, however, are costly. The final decision in selecting a site for a particular use generally involves weighing the costs for site preparation and maintenance. Soil properties influence development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. Soil limitation ratings of not limited, somewhat limited, and very limited are given for the types of proposed improvements that are listed or inferred by the petitioner as entered on the report application and/or zoning petition. The most common types of building limitation that this report gives limitations ratings for is septic systems. It is understood that engineering practices can overcome most limitations for buildings with and without basements, and small commercial buildings. Limitation ratings for these types of buildings are not commonly provided. Organic soils, when present on the parcel, are referenced in the hydric soils section of the report. This type of soil is considered unsuitable for all types of construction.

LIMITATIONS RATINGS

- **Not Limited:** This soil has favorable properties for the use. The degree of limitation is minor. The people involved can expect good performance and low maintenance.
- **Somewhat Limited:** This soil has moderately favorable properties for the use. Special planning, design, or maintenance can overcome this degree of limitation. During some part of the year, the expected performance is less desirable than for soils rated slight.
- **Very Limited:** This soil has one or more properties that are unfavorable for the rated use. These may include the following: steep slopes, bedrock near the surface, flooding, high shrink-swell potential, a seasonal high water table, or low strength. This degree of limitation generally requires major soil reclamation, special design, or intensive maintenance, which in most situations is difficult and costly.

BUILDING LIMITATIONS

BUILDING ON POORLY SUITED OR UNSUITABLE SOILS

Building on poorly suited or unsuitable soils can present problems to future property owners such as cracked foundations, wet basements, lowered structural integrity and high maintenance costs associated with these problems. The staff of the Kendall County SWCD strongly urges scrutiny by the plat reviewers when granting parcels with these soils exclusively.

Small Commercial Buildings – Ratings are for structures that are less than three stories high and do not have basements. The foundation is assumed to be spread footings of reinforced concrete built on disturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs.

Shallow Excavations – Trenches or holes dug to a maximum depth of 5 or 6 feet for utility lines, open ditches, or other purposes. Ratings are based on soil properties that influence the ease of digging and the resistance to sloughing.

Lawns and Landscaping – Require soils on which turf and ornamental trees and shrubs can be established and maintained (irrigation is not considered in the ratings). The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established.

Onsite Sewage Disposal – The factors considered are the characteristics and qualities of the soil that affect the limitations for absorbing waste from domestic sewage disposal systems. The major features considered are soil permeability, percolation rate, groundwater level, depth to bedrock, flooding hazards, and slope. The table below indicates soils that are deemed unsuitable per the Kendall County Subdivision Control Ordinance. Installation of an on-site sewage disposal system in soils designated as unsuitable may necessitate the installation of a non-conventional onsite sewage disposal system. For more information please contact the Kendall County Health Department – Environmental Health at (630) 553-9100 x8026.

Table 4: Building Limitations

Soil Type	Small Commercial Buildings	Shallow Excavations	Lawns & Landscaping	Onsite Conventional Sewage Systems	Acres	%
69A	Very Limited: Ponding Depth to saturated zone Shrink-swell	Very Limited: Ponding Depth to saturated zone Unstable excavation walls Dusty Too clayey	Very Limited: Ponding Depth to saturated zone Dusty	Unsuitable/Very Limited: Wet	14.1	29.0%
91A	Somewhat Limited: Depth to saturated zone Shrink-swell	Very Limited: Depth to saturated zone Too clayey Dusty Unstable excavation walls	Somewhat Limited: Depth to saturated zone Dusty	Suitable/Not Limited	15.8	32.4%
189A	Very Limited: Shrink-swell Depth to saturated zone	Very Limited: Depth to saturated zone Dusty Unstable excavation walls	Somewhat Limited: Depth to saturated zone Dusty	Suitable/Not Limited	6.0	12.3%
235A	Very Limited: Ponding Depth to saturated zone Shrink-swell	Very Limited: Ponding Depth to saturated zone Too clayey Unstable excavation walls Dusty	Very Limited: Ponding Depth to saturated zone Too clayey Dusty	Unsuitable/Very Limited: Wet	10.1	20.8%
330A	Very Limited: Ponding Depth to saturated zone Shrink-swell	Very Limited: Ponding Depth to saturated zone Unstable excavation walls Dusty Too clayey	Very Limited: Ponding Depth to saturated zone Dusty	Unsuitable/Very Limited: Wet	2.7	5.5%
% Very Limited	67.6%	100%	55.3%	55.3%		

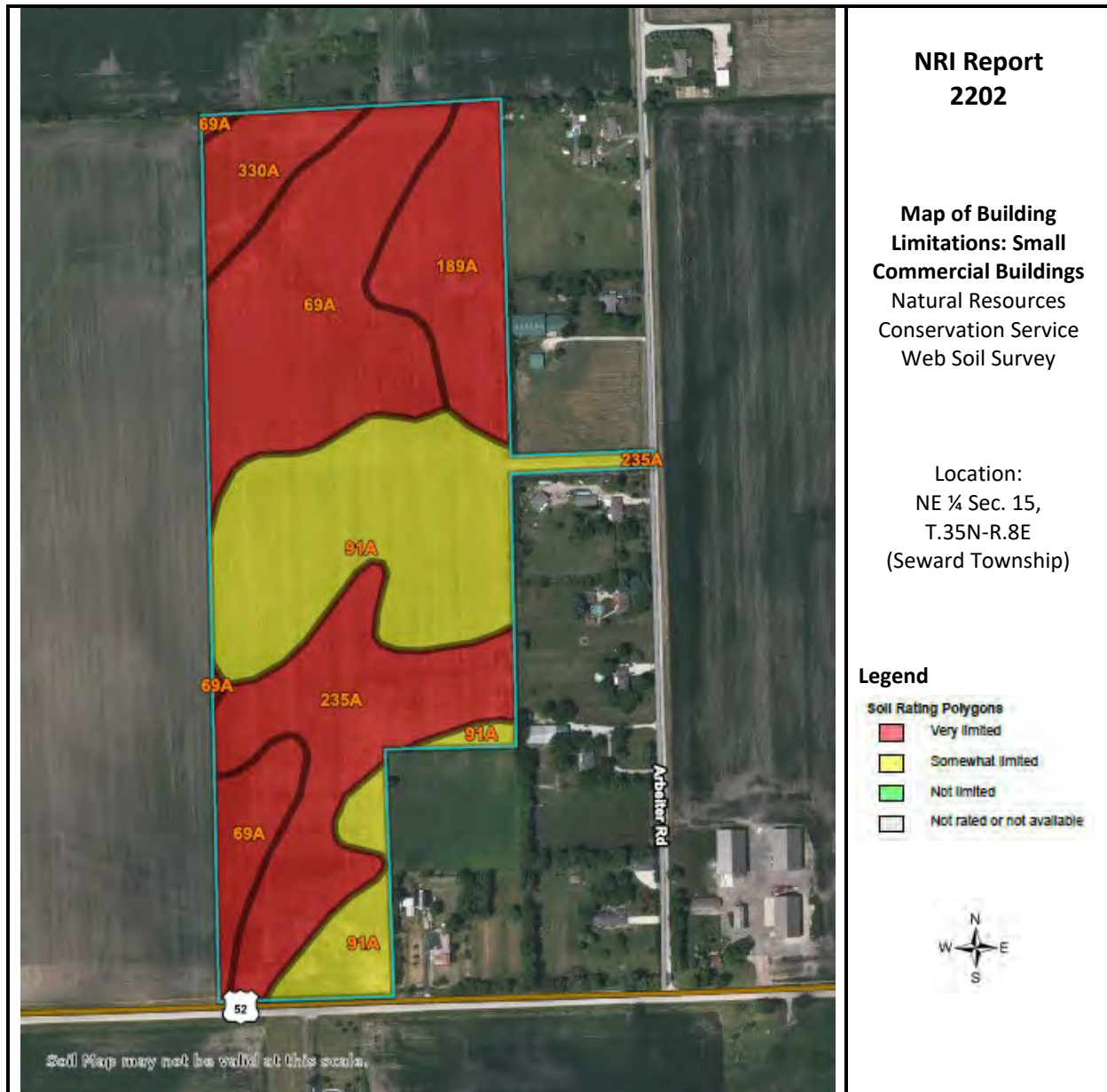


Figure 6A: Map of Building Limitations – Small Commercial Buildings

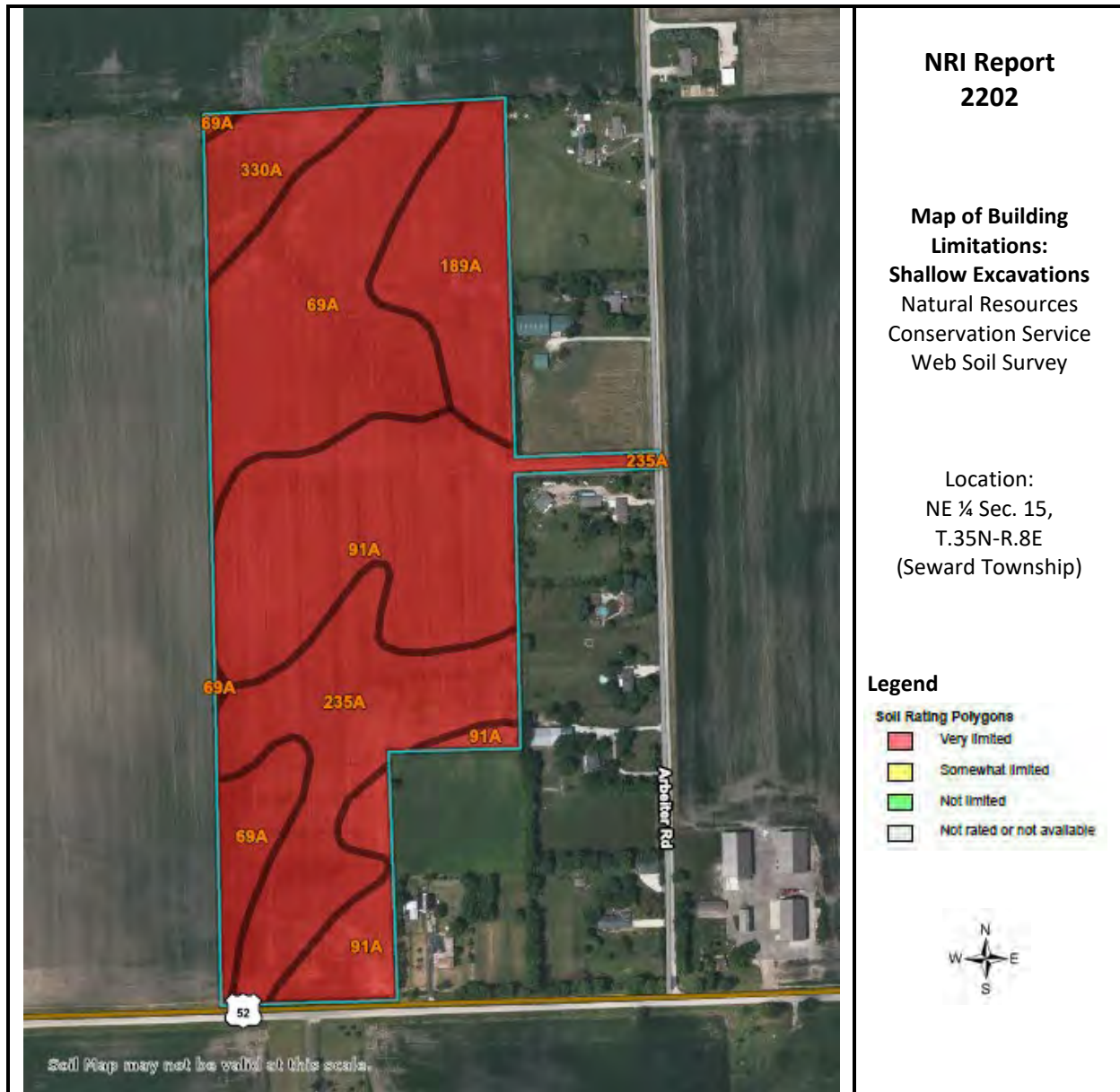


Figure 6B: Map of Building Limitations – Shallow Excavations

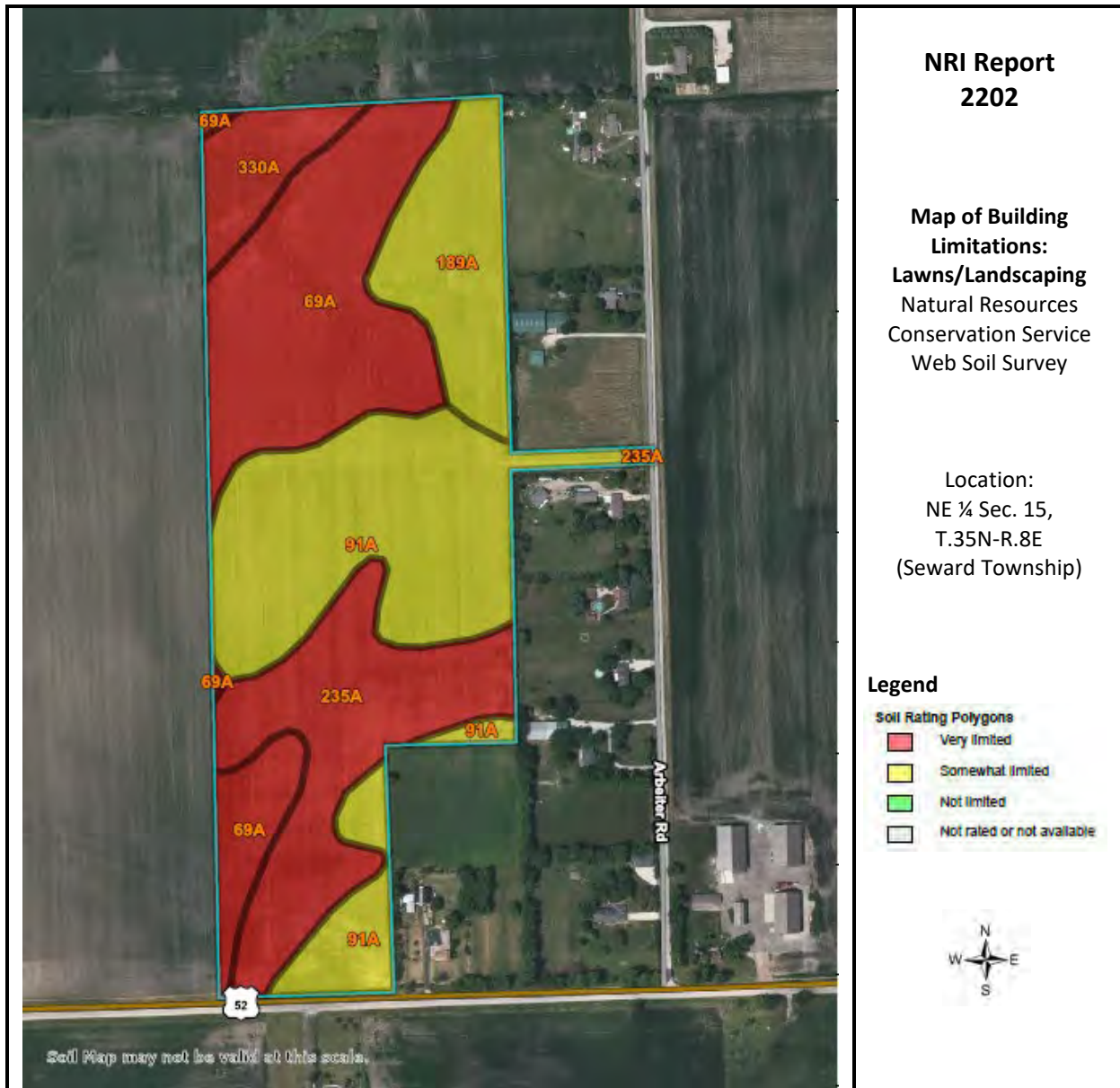


Figure 6C: Map of Building Limitations – Lawns/Landscaping

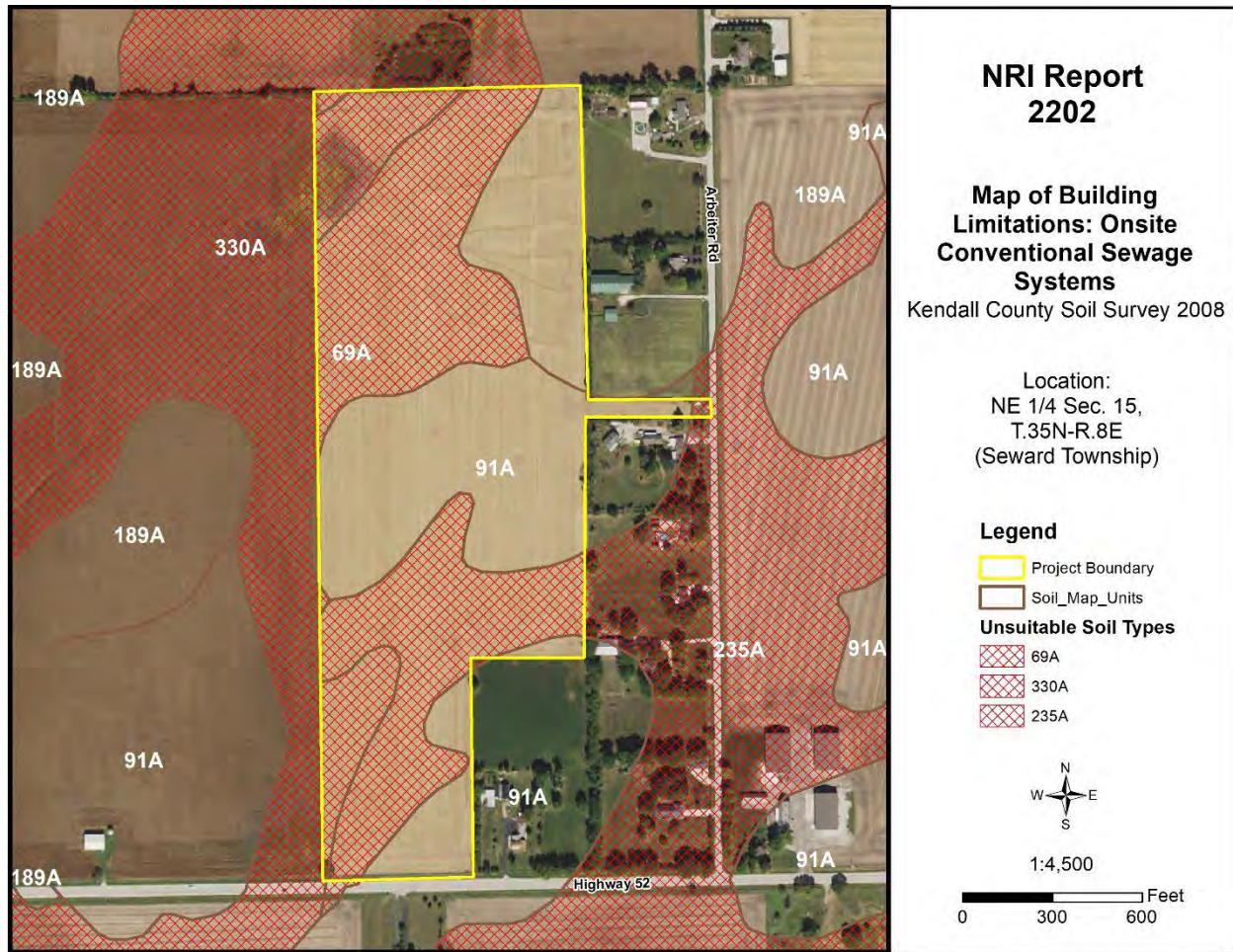


Figure 6D: Map of Building Limitations – Onsite Conventional Sewage System

SOIL WATER FEATURES

Table 5, below, gives estimates of various soil water features that should be taken into consideration when reviewing engineering for a land use project.

HYDROLOGIC SOIL GROUPS (HSGs) – The groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

- **Group A:** Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.
- **Group B:** Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained, or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.
- **Group C:** Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.
- **Group D:** Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Note: If a soil is assigned to a dual hydrologic group (A/D, B/D or C/D) the first letter is for drained areas and the second is for undrained areas.

SURFACE RUNOFF – Surface runoff refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based upon slope, climate and vegetative cover and indicates relative runoff for very specific conditions (it is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal). The classes are negligible, very low, low, medium, high, and very high.

MONTHS – The portion of the year in which a water table, ponding, and/or flooding is most likely to be a concern.

WATER TABLE – Water table refers to a saturated zone in the soil and the data indicates, by month, depth to the top (upper limit) and base (lower limit) of the saturated zone in most years. These estimates are based upon observations of the water table at selected sites and on evidence of a saturated zone (grayish colors or mottles (redoximorphic features)) in the soil. Note: A saturated zone that lasts for less than a month is not considered a water table.

PONDING – Ponding refers to standing water in a closed depression, and the data indicates surface water depth, duration, and frequency of ponding.

- **Duration:** Expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days and *very long* if more than 30 days.
- **Frequency:** Expressed as: *none* meaning ponding is not possible; *rare* means unlikely but possible under unusual weather conditions (chance of ponding is 0-5% in any year); *occasional* means that it occurs, on the average, once or less in 2 years (chance of ponding is 5 to 50% in any year); and frequent means that it occurs, on the average, more than once in 2 years (chance of ponding is more than 50% in any year).

FLOODING – The temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

- **Duration:** Expressed as: *extremely brief* if 0.1 hour to 4 hours; *very brief* if 4 hours to 2 days; *brief* if 2 to 7 days; *long* if 7 to 30 days; and *very long* if more than 30 days.
- **Frequency:** Expressed as: *none* means flooding is not probable; *very rare* means that it is very unlikely but possible under extremely unusual weather conditions (chance of flooding is less than 1% in any year); *rare* means that it is unlikely but possible under unusual weather conditions (chance of flooding is 1 to 5% in any year); *occasional* means that it occurs infrequently under normal weather conditions (chance of flooding is 5 to 50% in any year but is less than 50% in all months in any year); and *very frequent* means that it is likely to occur very often under normal weather conditions (chance of flooding is more than 50% in all months of any year).

Note: The information is based on evidence in the soil profile. In addition, consideration is also given to local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Table 5: Water Features

Map Unit	Hydrologic Group	Surface Runoff	Water Table	Ponding	Flooding
69A	C/D	Negligible	<u>January – May</u> Upper Limit: 0.0'-1.0' Lower Limit: 6.0' <u>June – December</u> Upper Limit: -- Lower Limit: --	<u>January – May</u> Surface Water Depth: 0.0'-0.5' Duration: Brief (2 to 7 days) Frequency: Frequent <u>June – December</u> Surface Water Depth: -- Duration: -- Frequency: --	<u>January – December</u> Duration: -- Frequency: None
91A	C/D	Medium	<u>January – May</u> Upper Limit: 1.0'-2.0' Lower Limit: 2.9'-4.8' <u>June – December</u> Upper Limit: -- Lower Limit: --	<u>January – December</u> Surface Water Depth: -- Duration: -- Frequency: None	<u>January – December</u> Duration: -- Frequency: None
189A	C/D	Low	<u>January – May</u> Upper Limit: 1.0'-2.0' Lower Limit: 6.0' <u>June – December</u> Upper Limit: -- Lower Limit: --	<u>January – December</u> Surface Water Depth: -- Duration: -- Frequency: None	<u>January – December</u> Duration: -- Frequency: None
235A	C/D	Negligible	<u>January – May</u> Upper Limit: 0.0'-1.0' Lower Limit: 6.0' <u>June – December</u> Upper Limit: -- Lower Limit: --	<u>January – May</u> Surface Water Depth: 0.0'-0.5' Duration: Brief (2 to 7 days) Frequency: Frequent <u>June – December</u> Surface Water Depth: -- Duration: -- Frequency: --	<u>January – December</u> Duration: -- Frequency: None
330A	C/D	Negligible	<u>January – June</u> Upper Limit: 0.0'-1.0' Lower Limit: 6.0' <u>July – December</u> Upper Limit: -- Lower Limit: --	<u>January – May</u> Surface Water Depth: 0.0'-0.5' Duration: Brief (2 to 7 days) Frequency: Frequent <u>June – December</u> Surface Water Depth: -- Duration: -- Frequency: --	<u>January – December</u> Duration: -- Frequency: None

SOIL EROSION AND SEDIMENT CONTROL

Erosion is the wearing away of the soil by water, wind, and other forces. Soil erosion threatens the Nation's soil productivity and contributes the most pollutants in our waterways. Water causes about two thirds of erosion on agricultural land. Four properties, mainly, determine a soil's erodibility: texture, slope, structure, and organic matter content.

Slope has the most influence on soil erosion potential when the site is under construction. Erosivity and runoff increase as slope grade increases. The runoff then exerts more force on the particles, breaking their bonds more readily and carrying them farther before deposition. The longer water flows along a slope before reaching a major waterway, the greater the potential for erosion.

Soil erosion during and after this proposed construction can be a primary non-point source of water pollution. Eroded soil during the construction phase can create unsafe conditions on roadways, decrease the storage capacity of lakes, clog streams and drainage channels, cause deterioration of aquatic habitats, and increase water treatment costs. Soil erosion also increases the risk of flooding by choking culverts, ditches, and storm sewers and by reducing the capacity of natural and man-made detention facilities.

The general principles of erosion and sedimentation control measures include:

- Reducing or diverting flow from exposed areas, storing flows, or limiting runoff from exposed areas
- Staging construction to keep disturbed areas to a minimum
- Establishing or maintaining temporary or permanent groundcover
- Retaining sediment on site
- Properly installing, inspecting, and maintaining control measures

Erosion control practices are useful controls only if they are properly located, installed, inspected, and maintained.

The SWCD recommends an erosion and sediment control plan for all building sites, especially if there is a wetland or stream nearby.

Table 6: Soil Erosion Potential

Soil Type	Slope	Rating	Acreage	Percent of Parcel
69A	0-2%	Slight	14.1	29.0%
91A	0-2%	Slight	15.8	32.4%
189A	0-2%	Slight	6.0	12.3%
235A	0-2%	Slight	10.1	20.8%
330A	0-2%	Slight	2.7	5.5%

PRIME FARMLAND SOILS

Prime farmland soils are an important resource to Kendall County. Some of the most productive soils in the United States occur locally. Each soil map unit in the United States is assigned a prime or non-prime rating. Prime agricultural land does not need to be in the production of food & fiber.

Section 310 of the NRCS general manual states that urban or built-up land on prime farmland soils is not prime farmland. The percentages of soils map units on the parcel reflect the determination that urban or built up land on prime farmland soils is not prime farmland.

Table 7: Prime Farmland Soils

Soil Types	Prime Designation	Acreage	Percent
69A	Prime Farmland if drained	14.1	29.0%
91A	Prime Farmland	15.8	32.4%
189A	Prime Farmland	6.0	12.3%
235A	Prime Farmland if drained	10.1	20.8%
330A	Prime Farmland if drained	2.7	5.5%
% Prime Farmland	100%		

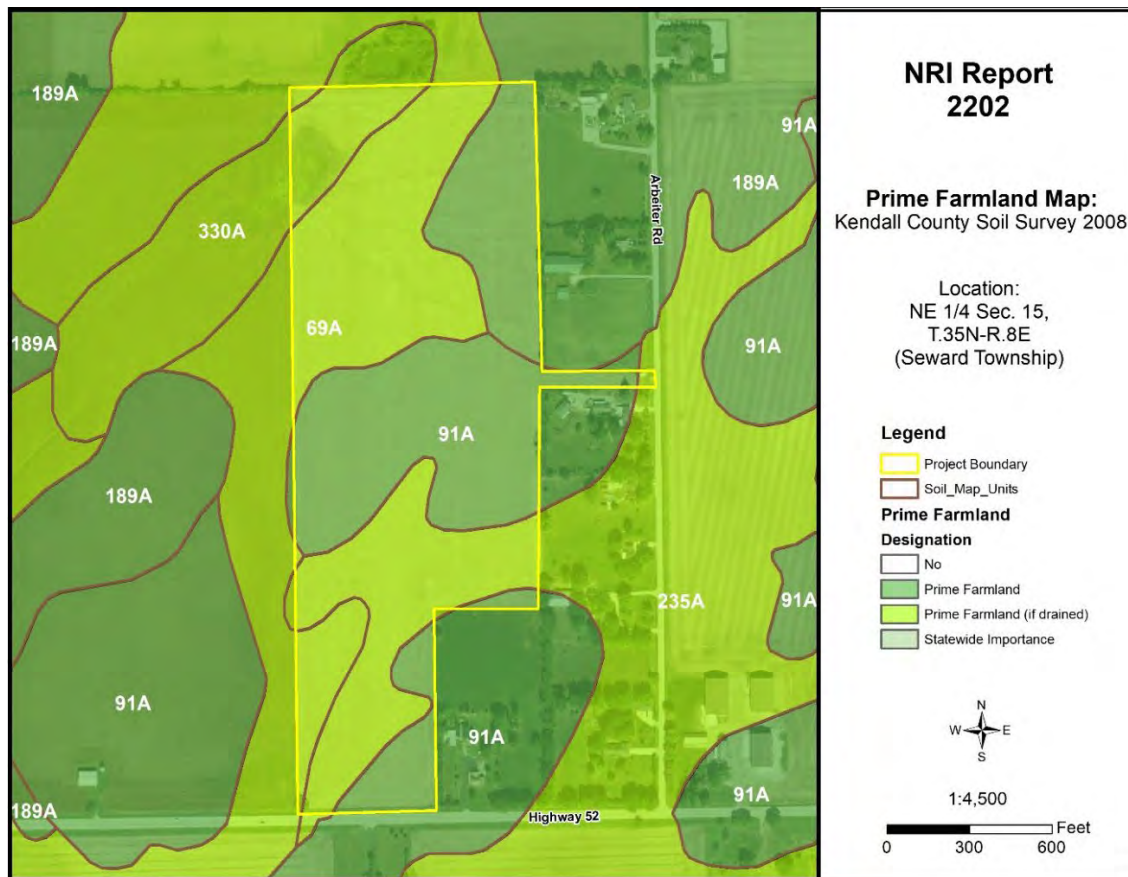


Figure 7: Map of Prime Farmland Soils

LAND EVALUATION AND SITE ASSESSMENT (LESA)

Decision-makers in Kendall County use the Land Evaluation and Site Assessment (LESA) system to determine the suitability of a land use change and/or a zoning request as it relates to agricultural land. The LESA system was developed by the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) and takes into consideration local conditions such as physical characteristics of the land, compatibility of surrounding land-uses, and urban growth factors. The LESA system is a two-step procedure that includes:

LAND EVALUATION (LE)

The soils of a given area are rated and placed in groups ranging from the best to worst suited for a stated agriculture use, cropland, or forestland. The best group is assigned a value of 100, and all other groups are assigned lower values. The Land Evaluation is based on data from the Kendall County Soil Survey. The LE score is calculated by multiplying the relative value of each soil type by the number of acres of that soil. The sum of the products is then divided by the total number of acres; the answer is the Land Evaluation score on this site. The Kendall County Soil and Water Conservation District is responsible for this portion of the LESA system.

SITE ASSESSMENT (SA)

The site is numerically evaluated according to important factors that contribute to the quality of the site. Each factor selected is assigned values in accordance with the local needs and objectives. The value group is a predetermined value based upon prime farmland designation. The Kendall County LESA Committee is responsible for this portion of the LESA system.

Please Note: A land evaluation (LE) score will be compiled for every project parcel. However, when a parcel is located within municipal planning boundaries, a site assessment (SA) score is not compiled as the scoring factors are not applicable. As a result, only the LE score is available, and a full LESA score is unavailable for the parcel.

Table 8A: Land Evaluation Computation

Soil Type	Value Group	Relative Value	Acres	Product (Relative Value x Acres)
69A	3	87	14.1	1,226.7
91A	4	79	15.8	1,248.2
189A	2	94	6.0	564
235A	3	87	10.1	878.7
330A	30	87	2.7	234.9
Totals			48.7	4,152.5
LE Calculation			(Product of relative value / Total Acres) 4,152.5 / 48.7 = 85.3	
LE Score			LE = 85	

The Land Evaluation score for this site is 85, indicating that this site is well suited for agricultural uses considering the Land Evaluation score is above 80.

Table 8B: Site Assessment Computation

A.	Agricultural Land Uses	Points
	1. Percentage of area in agricultural uses within 1.5 miles of site. (20-10-5-0)	10
	2. Current land use adjacent to site. (30-20-15-10-0)	20
	3. Percentage of site in agricultural production in any of the last 5 years. (20-15-10-5-0)	20
	4. Size of site. (30-15-10-0)	15
B.	Compatibility / Impact on Uses	
	1. Distance from city or village limits. (20-10-0)	0
	2. Consistency of proposed use with County Land Resource Management Concept Plan and/or municipal comprehensive land use plan. (20-10-0)	20
	3. Compatibility of agricultural and non-agricultural uses. (15-7-0)	7
C.	Existence of Infrastructure	
	1. Availability of public sewage system. (10-8-6-0)	8
	2. Availability of public water system. (10-8-6-0)	8
	3. Transportation systems. (15-7-0)	7
	4. Distance from fire protection service. (10-8-6-2-0)	10
	Site Assessment Score:	125

The Site Assessment score for this site is 125. The Land Evaluation value (85) is added to the Site Assessment value (125) to obtain a LESA Score of 210. The table below shows the level of protection for the proposed project site based on the LESA Score.

Table 9: LESA Score Summary

LESA SCORE	LEVEL OF PROTECTION
0-200	Low
201-225	Medium
226-250	High
251-300	Very High

Land Evaluation Value: 85 + Site Assessment Value: 125 = LESA Score: 210

The LESA Score for this site is 210 which indicates a medium level of protection for the proposed project site. Note: Selecting the project site with the lowest total points will generally protect the best farmland located in the most viable areas and maintain and promote the agricultural industry in Kendall County. If the project is agricultural in nature, however, a higher score may provide an indication of the suitability of the project as it relates to the compatibility with existing agricultural land use.

LAND USE PLANS

Many counties, municipalities, villages, and townships have developed land-use plans. These plans are intended to reflect the existing and future land-use needs of a given community. Please contact the Kendall County Planning, Building & Zoning for information regarding the County's comprehensive land use plan and map.

DRAINAGE, RUNOFF, AND FLOOD INFORMATION

U.S.G.S Topographic maps give information on elevations, which are important mostly to determine slopes, drainage directions, and watershed information.

Elevations determine the area of impact of floods of record. Slope information determines steepness and erosion potential. Drainage directions determine where water leaves the PIQ, possibly impacting surrounding natural resources.

Watershed information is given for changing land use to a subdivision type of development on parcels greater than 10 acres.

WHAT IS A WATERSHED?

Simply stated, a watershed is the area of land that contributes water to a certain point. The watershed boundary is important because the area of land in the watershed can now be calculated using an irregular shape area calculator such as a dot counter or planimeter.

Using regional storm event information, and site-specific soils and land use information, the peak stormwater flow through the point marked "O" for a specified storm event can be calculated. This value is called a "Q" value (for the given storm event) and is measured in cubic feet per second (CFS).

When construction occurs, the Q value naturally increases because of the increase in impermeable surfaces. This process decreases the ability of soils to accept and temporarily hold water. Therefore, more water runs off and increases the Q value.

Theoretically, if each development, no matter how large or small, maintains their preconstruction Q value after construction by the installation of stormwater management systems, the streams and wetlands and lakes will not suffer damage from excessive urban stormwater.

For this reason, the Kendall County SWCD recommends that the developer for intense uses such as a subdivision calculate the preconstruction Q value for the exit point(s). A stormwater management system

should be designed, installed, and maintained to limit the postconstruction Q value to be at or below the preconstruction value.

IMPORTANCE OF FLOOD INFORMATION

A floodplain is defined as land adjoining a watercourse (riverine) or an inland depression (non-riverine) that is subject to periodic inundation by high water. Floodplains are important areas demanding protection since they have water storage and conveyance functions which affect upstream and downstream flows, water quality and quantity, and suitability of the land for human activity. Since floodplains play distinct and vital roles in the hydrologic cycle, development that interferes with their hydrologic and biologic functions should be carefully considered.

Flooding is both dangerous to people and destructive to their properties. The following maps, when combined with wetland and topographic information, can help developers and future homeowners to “sidestep” potential flooding or ponding problems.

FIRM is the acronym for the Flood Insurance Rate Map, produced by the Federal Emergency Management Agency (FEMA). These maps define flood elevation adjacent to tributaries and major bodies of water and superimpose that onto a simplified USGS topographic map. The scale of the FIRM maps is generally dependent on the size and density of parcels in that area. (This is to correctly determine the parcel location and floodplain location.) The FIRM map has three (3) zones. Zone A includes the 100-year flood, Zone B or Zone X (shaded) is the 100 to 500-year flood, and Zone C or Zone X (unshaded) is outside the floodplain.

The Hydrologic Atlas (H.A.) Series of the Flood of Record Map is also used for the topographic information. This map is different from the FIRM map mainly because it will show isolated or pocketed flooded areas. Kendall County uses both these maps in conjunction with each other for flooded area determinations. The Flood of Record maps show the areas of flood for various years. Both maps stress that the recurrence of flooding is merely statistical. A 100-year flood may occur twice in one year, or twice in one week, for that matter.

It should be noted that greater floods than those shown on the two maps are possible. The flood boundaries indicated provide a historic record only until the map publication date. Additionally, these flood boundaries are a function of the watershed conditions existing when the maps were produced. Cumulative changes in runoff characteristics caused by urbanization can result in an increase in flood height of future flood episodes.

Floodplains play a vital role in reducing the flood damage potential associated with an urbanizing area and, when left in an undisturbed state, also provide valuable wildlife habitat benefits. If it is the petitioner's intent to conduct floodplain filling or modification activities, the petitioner, and the Unit of Government responsible need to consider the potentially adverse effects this type of action could have on adjacent properties. The change or loss of natural floodplain storage often increases the frequency and severity of flooding on adjacent property.

If the available maps indicate the presence of a floodplain on the PIQ, the petitioner should contact the IDOT-OWR and FEMA to delineate a floodplain elevation for the parcel. If a portion of the property is indeed floodplain, applicable state, county, and local regulations will need to be reflected in the site plans.

Another indication of flooding potential can be found in the soils information. Hydric soils indicate the presence of drainageways, areas subject to ponding, or a naturally occurring high water table. These need to be considered along with the floodplain information when developing the site plan and the stormwater management plan. Development on hydric soils can contribute to the loss of water storage within the soil and the potential for increased flooding in the area.

This parcel is located on minimal topography (slopes 0 to 2%) and an elevation range of approximately 582'-588' above sea level. According to the FEMA Floodplain Map, the parcel in question does not contain floodway or floodplain. The parcel drains predominantly to the south.

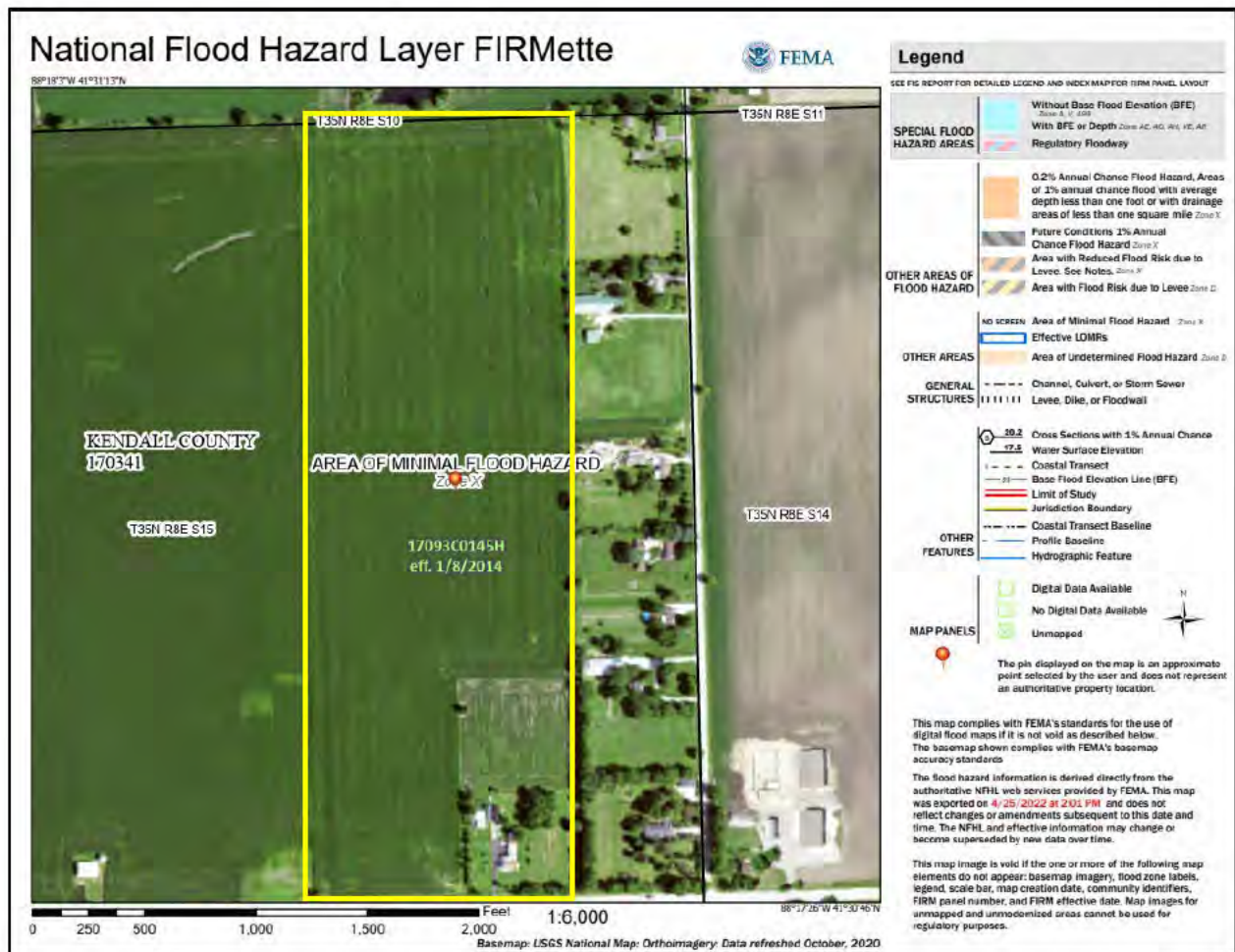


Figure 8: FEMA Floodplain Map

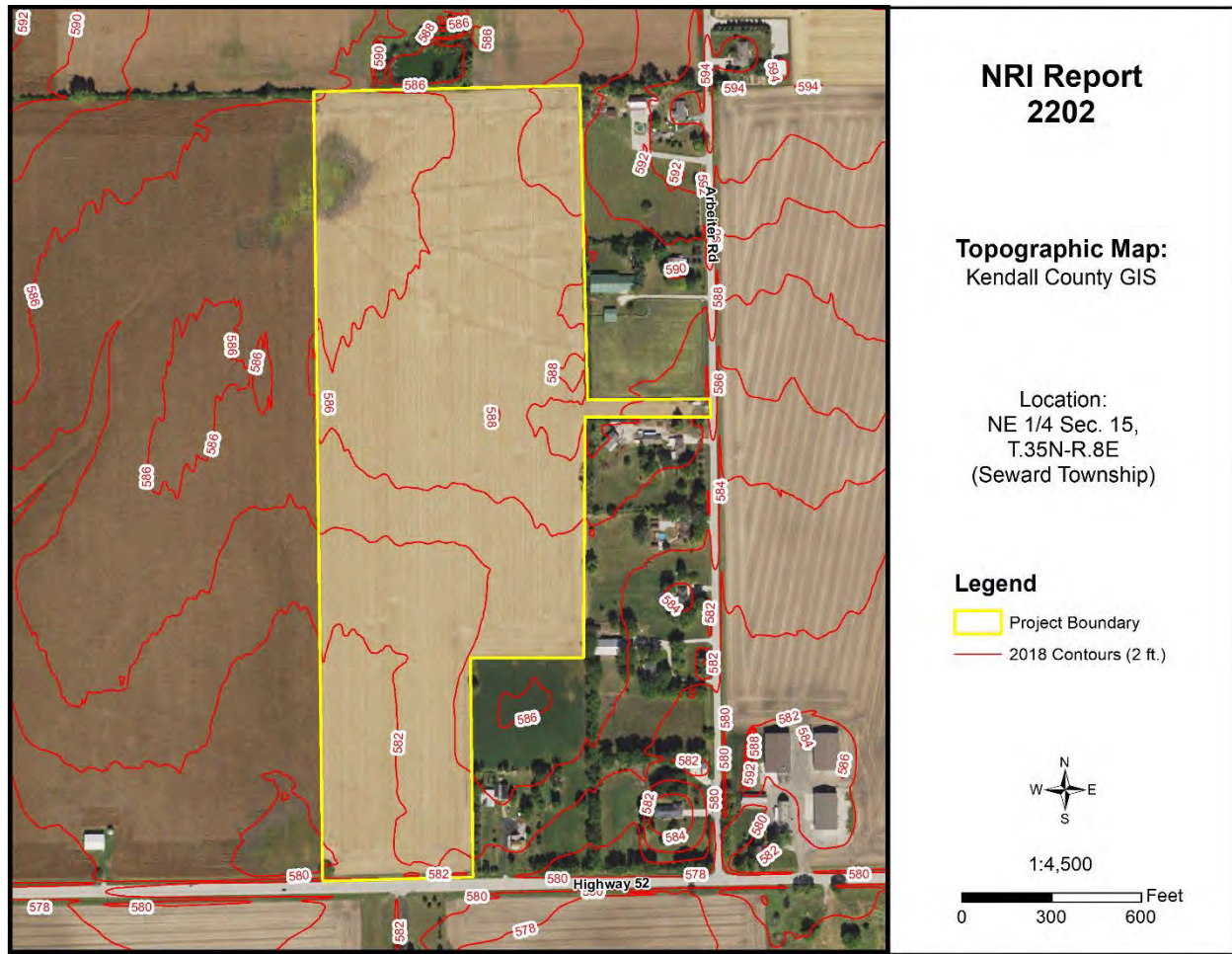


Figure 9: Topographic Map

WATERSHED PLANS

WATERSHED AND SUB WATERSHED INFORMATION

A watershed is the area of land that drains into a specific point including a stream, lake, or other body of water. High points on the Earth's surface, such as hills and ridges define watersheds. When rain falls in the watershed, it flows across the ground towards a stream or lake. Rainwater carries pollutants such as oils, pesticides, and soil.

Everyone lives in a watershed. Their actions can impact natural resources and people living downstream. Residents can minimize this impact by being aware of their environment and the implications of their activities, implementing practices recommended in watershed plans, and educating others about their watershed.

The following are recommendations to developers for protection of this watershed:

- Preserve open space
- Maintain wetlands as part of development
- Use natural water management
- Prevent soil from leaving a construction site
- Protect subsurface drainage
- Use native vegetation
- Retain natural features
- Mix housing styles and types
- Decrease impervious surfaces
- Reduce area disturbed by mass grading
- Shrink lot size and create more open space
- Maintain historical and cultural resources
- Treat water where it falls
- Preserve views
- Establish and link trails

This parcel is located within the Upper Illinois River watershed and the Minooka Branch Aux Sable Creek sub watershed.
--

WETLAND INFORMATION

IMPORTANCE OF WETLAND INFORMATION

Wetlands function in many ways to provide numerous benefits to society. They control flooding by offering a slow release of excess water downstream or through the soil. They cleanse water by filtering out sediment and some pollutants and can function as rechargers of our valuable groundwater. They also are essential breeding, rearing, and feeding grounds for many species of wildlife.

These benefits are particularly valuable in urbanizing areas as development activity typically adversely affects water quality, increases the volume of stormwater runoff, and increases the demand for groundwater. In an area where many individual homes rely on shallow groundwater wells for domestic water supplies, activities that threaten potential groundwater recharge areas are contrary to the public good. The conversion of wetlands, with their sediment trapping and nutrient absorbing vegetation, to biologically barren stormwater detention ponds can cause additional degradation of water quality in downstream or adjacent areas.

It has been estimated that over 95% of the wetlands that were historically present in Illinois have been destroyed while only recently has the true environmental significance of wetlands been fully recognized. America is losing 100,000 acres of wetland a year and has saved 5 million acres total (since 1934). One acre of wetland can filter 7.3 million gallons of water a year. These are reasons why our wetlands are high quality and important.

This section contains the NRCS (Natural Resources Conservation Service) Wetlands Inventory, which is the most comprehensive inventory to date. The NRCS Wetlands Inventory is reproduced from an aerial photo at a scale of 1" equals 660 feet. The NRCS developed these maps in cooperation with U.S. EPA (Environmental Protection Agency,) and the U.S. Fish and Wildlife Service, using the National Food Security Act Manual, 3rd Edition. The main purpose of these maps is to determine wetland areas on agricultural fields and areas that may be wetlands but are in a non-agriculture setting.

The NRCS Wetlands Inventory in no way gives an exact delineation of the wetlands, but merely an outline, or the determination that there is a wetland within the outline. For the final, most accurate wetland **determination** of a specific wetland, a wetland **delineation** must be certified by NRCS staff using the National Food Security Act Manual (on agricultural land.) On urban land, a certified wetland delineator must perform the delineation using the ACOE 1987 Manual. *See the glossary section for the definitions of "delineation" and "determination."*

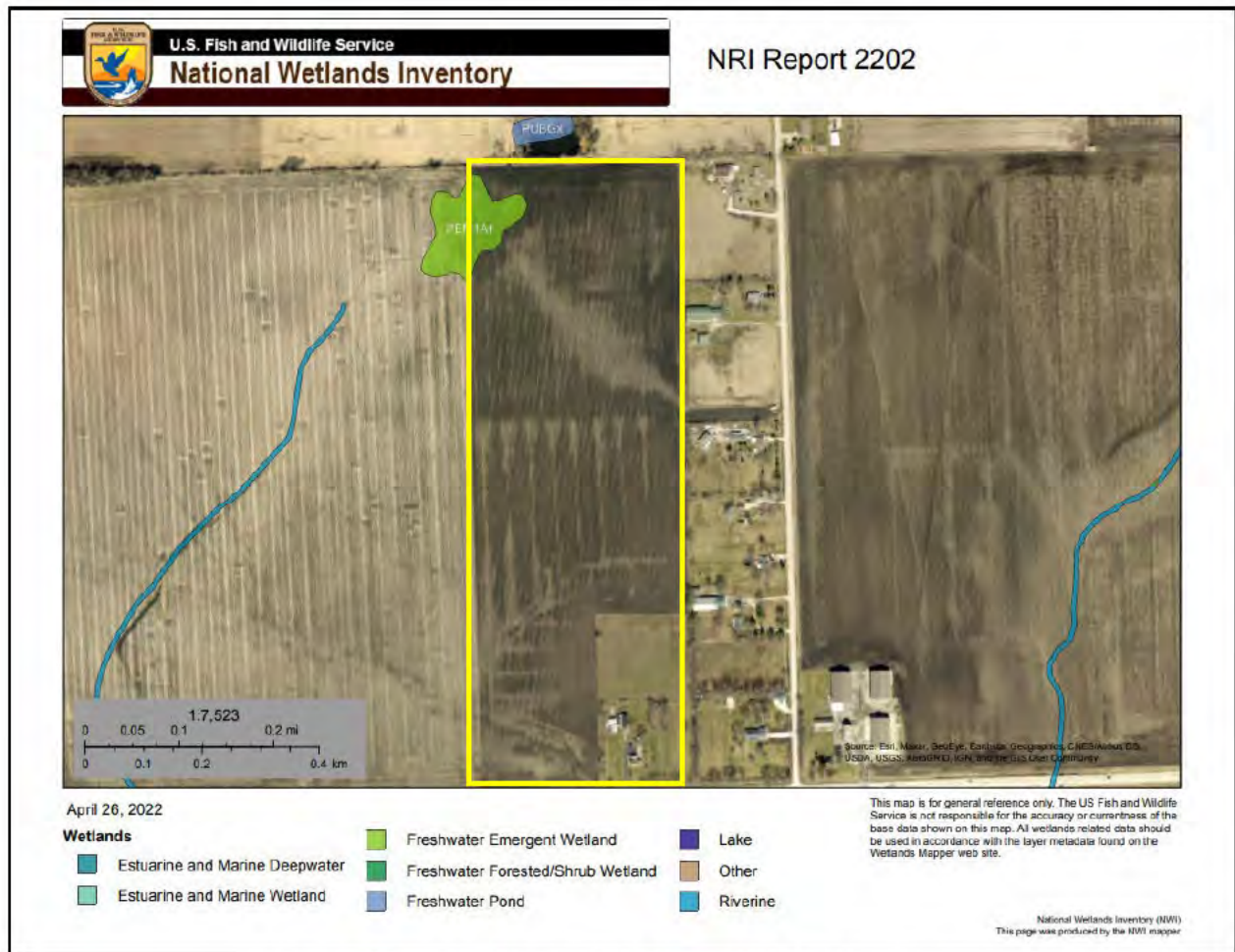


Figure 10: Wetland Map – USFWS National Wetland Inventory

Office maps indicate that a mapped freshwater emergent wetland is present near the northwest corner on the parcel in question (PIQ).

HYDRIC SOILS

Soils information gives another indication of flooding potential. The soils map on the following page indicates the soil(s) on the parcel that the Natural Resources Conservation Service indicates as hydric. Hydric soils, by definition, have seasonal high water at or near the soil surface and/or have potential flooding or ponding problems. All hydric soils range from poorly suited to unsuitable for building. One group of the hydric soils are the organic soils, which formed from dead organic material. Organic soils are unsuitable for building because of not only the high water table but also their subsidence problems.

It is important to add the possibility of hydric inclusions in a soil type. An inclusion is a soil polygon that is too small to appear on these maps. While relatively insignificant for agricultural use, hydric soil inclusions become more important to more intense uses such as a residential subdivision.

While considering hydric soils and hydric inclusions, it is noteworthy to mention that subsurface agriculture drainage tile occurs in almost all poorly drained and somewhat poorly drained soils. Drainage tile expedites drainage and facilitates farming. It is imperative that these drainage tiles remain undisturbed. A damaged subsurface drainage tile may return original hydrologic conditions to all the areas that drained through the tile (ranging from less than one acre to many square miles.)

For an intense land use, such as a subdivision, the Kendall County SWCD recommends the following: a topographical survey with 1 foot contour intervals to accurately define the flood area on the parcel, an intensive soil survey to define most accurately the locations of the hydric soils and inclusions, and a drainage tile survey on the area to locate the tiles that must be preserved to maintain subsurface drainage.

Table 10: Hydric Soils

Soil Types	Drainage Class	Hydric Designation	Hydric Inclusions Likely	Acreage	Percent
69A	Poorly Drained	Hydric	No	14.1	29.0%
91A	Somewhat Poorly Drained	Non-Hydric	Yes	15.8	32.4%
189A	Somewhat Poorly Drained	Non-Hydric	Yes	6.0	12.3%
235A	Poorly Drained	Hydric	No	10.1	20.8%
330A	Very Poorly Drained	Hydric	No	2.7	5.5%

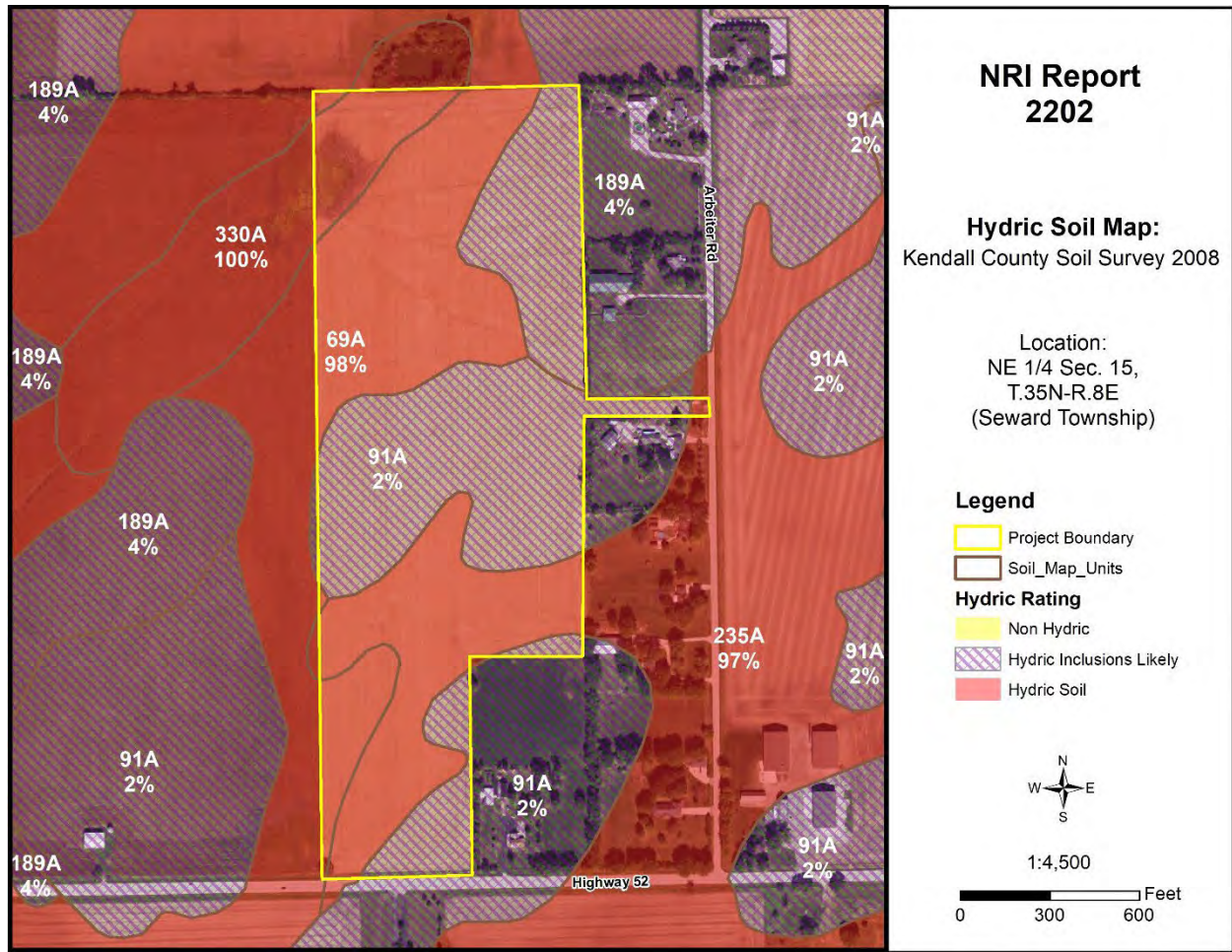


Figure 11: Hydric Soil Map

WETLAND AND FLOODPLAIN REGULATIONS

PLEASE READ THE FOLLOWING IF YOU ARE PLANNING TO DO ANY WORK NEAR A STREAM (THIS INCLUDES SMALL UNNAMED STREAMS), LAKE, WETLAND OR FLOODWAY.

The laws of the United States and the State of Illinois assign certain agencies specific and different regulatory roles to protect the waters within the State's boundaries. These roles, when considered together, include protection of navigation channels and harbors, protection against floodway encroachments, maintenance and enhancement of water quality, protection of fish and wildlife habitat and recreational resources, and, in general, the protection of total public interest. Unregulated use of the waters within the State of Illinois could permanently destroy or alter the character of these valuable resources and adversely impact the public. Therefore, please contact the proper regulatory authorities when planning any work associated with Illinois waters so that proper consideration and approval can be obtained.

WHO MUST APPLY?

Anyone proposing to dredge, fill, rip rap, or otherwise alter the banks or beds of, or construct, operate, or maintain any dock, pier, wharf, sluice, dam, piling, wall, fence, utility, floodplain or floodway subject to State or Federal regulatory jurisdiction should apply for agency approvals.

REGULATORY AGENCIES

- **Wetland or U.S. Waters:** U.S. Army Corps of Engineers, Rock Island District, Clock Tower Building, Rock Island, IL
- **Floodplains:** Illinois Department of Natural Resources/Office of Water Resources, One Natural Resources Way, Springfield, IL 62702-1270.
- **Water Quality/Erosion Control:** Illinois Environmental Protection Agency, Springfield, IL

COORDINATION

We recommend early coordination with the regulatory agencies BEFORE finalizing work plans. This allows the agencies to recommend measures to mitigate or compensate for adverse impacts. Also, the agency can make possible environmental enhancement provisions early in the project planning stages. This could reduce time required to process necessary approvals.

CAUTION: Contact with the United States Army Corps of Engineers is strongly advised before commencement of any work in or near a Waters of the United States. This could save considerable time and expense. Persons responsible for willful and direct violation of Section 10 of the River and Harbor Act of 1899 or Section 404 of the Federal Water Pollution Control Act are subject to fines ranging up to \$27,500 per day of violation and imprisonment for up to one year or both.

GLOSSARY

AGRICULTURAL PROTECTION AREAS (AG AREAS) - Allowed by P.A. 81-1173. An AG AREA consists of a minimum of 350 acres of farmland, as contiguous and compact as possible. Petitioned by landowners, AG AREAS protect for a period of ten years initially, then reviewed every eight years thereafter. AG AREA establishment exempts landowners from local nuisance ordinances directed at farming operations, and designated land cannot receive special tax assessments on public improvements that do not benefit the land, e.g. water and sewer lines.

AGRICULTURE - The growing, harvesting and storing of crops including legumes, hay, grain, fruit and truck or vegetable including dairying, poultry, swine, sheep, beef cattle, pony and horse production, fur farms, and fish and wildlife farms; farm buildings used for growing, harvesting and preparing crop products for market, or for use on the farm; roadside stands, farm buildings for storing and protecting farm machinery and equipment from the elements, for housing livestock or poultry and for preparing livestock or poultry products for market; farm dwellings occupied by farm owners, operators, tenants or seasonal or year around hired farm workers.

B.G. - Below Grade. Under the surface of the Earth.

BEDROCK - Indicates depth at which bedrock occurs. Also lists hardness as rippable or hard.

FLOODING - Indicates frequency, duration, and period during year when floods are likely to occur.

HIGH LEVEL MANAGEMENT - The application of effective practices adapted to different crops, soils, and climatic conditions. Such practices include providing for adequate soil drainage, protection from flooding, erosion and runoff control, near optimum tillage, and planting the correct kind and amount of high-quality seed. Weeds, diseases, and harmful insects are controlled. Favorable soil reaction and near optimum levels of available nitrogen, phosphorus, and potassium for individual crops are maintained. Efficient use is made of available crop residues, barnyard manure, and/or green manure crops. All operations, when combined efficiently and timely, can create favorable growing conditions and reduce harvesting losses -- within limits imposed by weather.

HIGH WATER TABLE - A seasonal high water table is a zone of saturation at the highest average depth during the wettest part of the year. May be apparent, perched, or artesian kinds of water tables.

- **Water table, Apparent:** A thick zone of free water in the soil. An apparent water table is indicated by the level at which water stands in an uncased borehole after adequate time is allowed for adjustment in the surrounding soil.
- **Water table, Artesian:** A water table under hydrostatic head, generally beneath an impermeable layer. When this layer is penetrated, the water level rises in an uncased borehole.
- **Water table, Perched:** A water table standing above an unsaturated zone. In places an upper, or perched, water table is separated from a lower one by a dry zone.

DELINEATION - For Wetlands: A series of orange flags placed on the ground by a certified professional that outlines the wetland boundary on a parcel.

DETERMINATION - A polygon drawn on a map using map information that gives an outline of a wetland.

HYDRIC SOIL - This type of soil is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part (USDA Natural Resources Conservation Service 1987).

INTENSIVE SOIL MAPPING - Mapping done on a smaller more intensive scale than a modern soil survey to determine soil properties of a specific site, e.g. mapping for septic suitability.

LAND EVALUATION AND SITE ASSESSMENT (L.E.S.A.) - LESA is a systematic approach for evaluating a parcel of land and to determine a numerical value for the parcel for farmland preservation purposes.

MODERN SOIL SURVEY - A soil survey is a field investigation of the soils of a specific area, supported by information from other sources. The kinds of soil in the survey area are identified and their extent shown on a map, and an accompanying report describes, defines, classifies, and interprets the soils. Interpretations predict the behavior of the soils under different used and the soils' response to management. Predictions are made for areas of soil at specific places. Soils information collected in a soil survey is useful in developing land-use plans and alternatives involving soil management systems and in evaluating and predicting the effects of land use.

PALUSTRINE - Name given to inland freshwater wetlands.

PERMEABILITY - Values listed estimate the range (in rate and time) it takes for downward movement of water in the major soil layers when saturated but allowed to drain freely. The estimates are based on soil texture, soil structure, available data on permeability and infiltration tests, and observation of water movement through soils or other geologic materials.

PIQ - Parcel in question

POTENTIAL FROST ACTION - Damage that may occur to structures and roads due to ice lens formation causing upward and lateral soil movement. Based primarily on soil texture and wetness.

PRIME FARMLAND - Prime farmland soils are lands that are best suited to food, feed, forage, fiber and oilseed crops. It may be cropland, pasture, woodland, or other land, but it is not urban and built up land or water areas. It either is used for food or fiber or is available for those uses. The soil qualities, growing season, and moisture supply are those needed for a well-managed soil economically to produce a sustained high yield of crops. Prime farmland produces in highest yields with minimum inputs of energy and economic resources and farming the land results in the least damage to the environment. Prime farmland has an adequate and dependable supply of moisture from precipitation or irrigation. The temperature and growing season are favorable. The level of acidity or alkalinity is acceptable. Prime farmland has few or no rocks and is permeable to water and air. It is not excessively erodible or saturated

with water for long periods and is not frequently flooded during the growing season. The slope ranges mainly from 0 to 5 percent (USDA Natural Resources Conservation Service).

PRODUCTIVITY INDEXES - Productivity indexes for grain crops express the estimated yields of the major grain crops grown in Illinois as a single percentage of the average yields obtained under basic management from several of the more productive soils in the state. This group of soils is composed of the Muscatine, Ipava, Sable, Lisbon, Drummer, Flanagan, Littleton, Elburn and Joy soils. Each of the 425 soils found in Illinois are found in Circular 1156 from the Illinois Cooperative Extension Service.

SEASONAL - When used in reference to wetlands indicates that the area is flooded only during a portion of the year.

SHRINK-SWELL POTENTIAL - Indicates volume changes to be expected for the specific soil material with changes in moisture content.

SOIL MAPPING UNIT - A map unit is a collection of soil areas of miscellaneous areas delineated in mapping. A map unit is generally an aggregate of the delineations of many different bodies of a kind of soil or miscellaneous area but may consist of only one delineated body. Taxonomic class names and accompanying phase terms are used to name soil map units. They are described in terms of ranges of soil properties within the limits defined for taxa and in terms of ranges of taxadjuncts and inclusions.

SOIL SERIES - A group of soils, formed from a particular type of parent material, having horizons that, except for texture of the A or surface horizon, are similar in all profile characteristics and in arrangement in the soil profile. Among these characteristics are color, texture, structure, reaction, consistence, and mineralogical and chemical composition.

SUBSIDENCE - Applies mainly to organic soils after drainage. Soil material subsides due to shrinkage and oxidation.

TERRAIN - The area or surface over which a particular rock or group of rocks is prevalent.

TOPSOIL - That portion of the soil profile where higher concentrations of organic material, fertility, bacterial activity and plant growth take place. Depths of topsoil vary between soil types.

WATERSHED - An area of land that drains to an associated water resource such as a wetland, river or lake. Depending on the size and topography, watersheds can contain numerous tributaries, such as streams and ditches, and ponding areas such as detention structures, natural ponds and wetlands.

WETLAND - An area that has a predominance of hydric soils and that is inundated or saturated by surface or groundwater at a frequency and duration sufficient enough to support, and under normal circumstances does support, a prevalence of hydrophytic vegetation typically adapted for life in saturated soil conditions.

REFERENCES

Hydric Soils of the United States. USDA Natural Resources Conservation Service, 2007.

DFIRM – Digital Flood Insurance Rate Maps for Kendall County. Prepared by FEMA – Federal Emergency Management Agency.

Hydrologic Unit Map for Kendall County. Natural Resources Conservation Service, United States Department of Agriculture.

Land Evaluation and Site Assessment System. The Kendall County Department of Planning Building and Zoning, and The Kendall County Soil and Water Conservation District. In cooperation with: USDA, Natural Resources Conservation Service.

Soil Survey of Kendall County. United States Department of Agriculture 2008, Natural Resources Conservation Service.

Illinois Urban Manual. Association of Illinois Soil & Water Conservation Districts, 2020.

Kendall County Land Atlas and Plat Book. 21st Edition, 2021.

Potential For Contamination of Shallow Aquifers from Land Burial of Municipal Wastes. Illinois State Geological Survey.

Natural Resources Conservation Service National Wetland Inventory Map. United States Department of Agriculture.

Geologic Road Map of Illinois. Department of Natural Resources, Illinois State Geological Survey, Natural Resources Building, 615 East Peabody, Champaign IL 61820-6964.

Wetlands - The Corps of Engineers' Administration of the Section 404 Program (GAO/RCED-88-110).

Soil Erosion by Water - United States Department of Agriculture Natural Resources Conservation Service. Agriculture Information Bulletin 513.

The Conservation of Biological Diversity in the Great Lakes Ecosystem: Issues and Opportunities, prepared by the Nature Conservancy Great Lakes Program 79W. Monroe Street, Suite 1309, Chicago, IL 60603, January 1994.

Attachment 8

From: [Jillian Prodehl](#)
To: [Matt Asselmeier](#)
Subject: [External]Petition 22-10
Date: Monday, May 9, 2022 12:57:47 PM

CAUTION - This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Matt,

The Planning Commission for Seward Township did pass the below, but our remarks were seeing if there is a lighting plan for the security lights with their location being so close to residences. We did not see a photometric plan in their petition.

Petition 22-10- Mark Fecht on Behalf of Fecht Brothers, Inc. (property owner), and Jeremy and Samantha Dippold, on Behalf of Best Budget Tree, LLC

Thank you!
Jillian Prodehl

From: [Lara Edgar](#)
To: [Matt Asselmeier](#)
Cc: [Engel Natalie](#)
Subject: [External]Re: 09-15-200-003 Question
Date: Wednesday, May 4, 2022 10:34:23 AM

CAUTION - This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning,

Thank you for reaching out. We have decided that we also do not want a ROW dedication however - we do expect that if there were ever to be a bike path at this location, that the developer would coordinate with IDOT to construct.

Thank you,

Edgar Lara

Village Planner



One Towne Center Blvd | Shorewood, IL 60404

(E): elara@vil.shorewood.il.us | (P): 1-815-741-7708

Would you like to help with [Designing Shorewood](#)? Join the Comprehensive Planning efforts by sharing your thoughts and ideas about designing Shorewood's future.

From: Matt Asselmeier <masselmeier@co.kendall.il.us>
Sent: Wednesday, April 20, 2022 9:47 AM
To: Jim Torri <Jtorri@joliet.gov>; Engel_Natalie <nengel@vil.shorewood.il.us>
Cc: Scott Koeppel <skoeppe@co.kendall.il.us>; Scott Gengler <sgengler@co.kendall.il.us>; Fran Klaas <FKlaas@co.kendall.il.us>
Subject: 09-15-200-003 Question

CAUTION: This email originated from outside of the organization. Do not click on links or open attachments unless you recognize the sender, can confirm their contact information, were expecting the communication, and know the content is safe.

Jim and Natalie:

Kendall County received an application for a special use permit for a landscaping business at this property.

While this property is inside Shorewood's planning area, Joliet's plan calls for a bike path along Route 52 at this property. IDOT verbally told me that they do not want a ROW dedication.

Do either of your municipalities want a ROW dedication?

Thanks,

Matthew H. Asselmeier, AICP, CFM
Senior Planner
Kendall County Planning, Building & Zoning
111 West Fox Street
Yorkville, IL 60560-1498
PH: 630-553-4139
Fax: 630-553-4179



MINOOKA FIRE PROTECTION DISTRICT

"A Culture of Excellent Service"

P.O. Box 736
7901 E. Minooka Road
Minooka, Illinois 60447

Ph: 815-467-5637
Fx: 815-467-5453
www.minookafire.com

May 5, 2022

Mr. Matthew H. Asselmeier, AICP, CFM
Senior Planner
Kendall County Planning, Building & Zoning
111 West Fox Street
Yorkville, IL 60560-1498

Re: Kendall County Zoning Petition 22-10
PIN: 09-15-200-003

Dear Mr. Asselmeier:

A review of Petition 22-10 has been completed and the Fire District has the following stipulations:

1. A fire alarm system that complies with the 2015 International Fire Code, NFPA 72 and Minooka Fire Protection District Ordinance's is required for the proposed building. Have the Petitioner's fire alarm contractor submit plans for review and approval prior to beginning installation of the fire alarm system.
2. The proposed mulch pile will need to be monitored and maintained to prevent overheating and a fire. Please provide the Fire District with a plan to monitor and maintain the mulch pile. No smoking signs will need to be posted to prevent smoking near the mulch pile.
3. Due to the distance from municipal water supply combined with the proposed mulch storage a dry fire hydrant that can utilize the pond as a water source is recommended.
4. The address for this property will need to be properly marked at the street.

No guarantee is rendered as to the completeness of the zoning change application review, and the responsibility for full compliance with both state and locally adopted codes, standards and regulations rests with the owner or his authorized agent or subcontractor. Subsequent discovery of errors or omissions shall not be construed as authority to violate, cancel or set aside any provision of any applicable codes.

Thank you for the opportunity to review and comment on your application. Should you have any questions or concerns, please feel free to contact me at 815-467-5637 ext. 113.

Respectfully,


Mary Ludemann, Fire Inspector
Minooka Fire Protection District

From: Mary Ludemann
To: Matt Asselmeier
Subject: RE: [External]FW: Kendall County Zoning Petition 22-10
Date: Friday, May 6, 2022 9:10:07 AM

Hi,

Somewhere visible near the mulch pile area to prevent any smoking materials from accidentally reaching the mulch. Just something to remind employees to avoid smoking in that area.

Take care,

Mary Kay Ludemann, Fire Inspector
Minooka Fire Protection District
7901 E. Minooka Road
P.O. Box 736
Minooka, IL 60447
(815) 467-5637 ext. 113
www.minookafire.com

From: Matt Asselmeier <masselmeier@kendallcountyil.gov>
Sent: Thursday, May 5, 2022 2:15 PM
To: Mary Ludemann <ludemannm@MinookaFire.com>
Subject: RE: [External]FW: Kendall County Zoning Petition 22-10

Mary:

Regarding the no smoking signs, do you want those placed at a particular location in relation to the mulch pile?

Thanks,

Matthew H. Asselmeier, AICP, CFM
Senior Planner
Kendall County Planning, Building & Zoning
111 West Fox Street
Yorkville, IL 60560-1498
PH: 630-553-4139
Fax: 630-553-4179

**ZONING, PLATTING & ADVISORY COMMITTEE (ZPAC)
May 3, 2022 – Unapproved Meeting Minutes**

PBZ Chairman Scott Gengler called the meeting to order at 9:01 a.m.

Present:

Matt Asselmeier – PBZ Department
Scott Gengler – PBZ Committee Chair
Brian Holdiman – PBZ Department
Fran Klaas – Highway Department
Alyse Olson – Soil and Water Conservation District
Aaron Rybski – Health Department

Absent:

Meagan Briganti – GIS Department
Greg Chismark – WBK Engineering, LLC
David Guritz – Forest Preserve
Commander Jason Langston – Sheriff's Department

Audience:

Jeremy Dippold, Samantha Dippold, and John Tebrugge

AGENDA

Mr. Klaas made a motion, seconded by Mr. Rybski, to approve the agenda as presented.

With a voice vote of six (6) ayes, the motion carried.

MINUTES

Mr. Rybski made a motion, seconded by Mr. Klaas, to approve the April 5, 2022, meeting minutes.

With a voice vote of five (5) ayes, the motion carried. Ms. Olson abstained.

PETITIONS

Petition 22-10 Mark Fecht on Behalf of Fecht Brothers, Inc. (Property Owner) and Jeremy and Samantha Dippold on Behalf of Best Budget Tree, LLC (Contract Purchaser)

Mr. Asselmeier summarized the request.

Best Budget Tree, LLC would like to purchase the subject property from Fecht Brothers Inc. in order to operate a tree and landscaping business at the property.

Best Budget Tree, LLC has been in existence for over ten (10) years.

The application materials, site plan, landscaping plan, stormwater plans, and renderings of the proposed building were provided.

The property is on the north side of Route 52 across from 2190 and 2200 Route 52.

The property is approximately forty-eight (48) acres in size.

The property is zoned A-1 Agricultural.

The County's Future Land Use Map calls for the property to be Rural Residential (Max 0.65 Du/Acre). Shorewood's Future Land Use Map calls for the property to be Residential and Commercial.

Route 52 is a State maintained Arterial road.

Joliet has a trail planned along Route 52, but Joliet does not want a right-of-way dedication at this time; an email to that effect was provided.

There are no floodplains on the property. There is a wetland near the northwest corner of the property.

The adjacent land uses are Agricultural and Single-Family Residential.

The adjacent properties are zoned A-1 and R-3.

The County's Future Land Use Map calls for the area to be Commercial, Rural Residential, and Suburban Residential. Joliet's Future Land Use Map calls for the area to be Residential. Shorewood's Future Land Use Map calls for the area to be Residential and Commercial.

The nearby properties are zoned A-1, A-1 SU, and R-1, and R-3.

The A-1 special use permit to the west is for the sale of agricultural products not grown on the premises.

EcoCAT Report was submitted on April 15, 2022, and indicated the following protected resources:

Aux Sable Creek INAI Site
Greater Redhorse (*Moxostoma valenciennesi*)

The Illinois Department of Conservation determined that negative impacts were unlikely and consultation was terminated on April 18, 2022.

The application for NRI was submitted April 21, 2022. The LESA Score was 210 indicating a medium level of protection.

Petition information was sent to Seward Township on April 25, 2022.

Petition information was sent to the Village of Shorewood on April 25, 2022.

Petition information was sent to the Minooka Fire Protection District on April 25, 2022.

Per Section 7:01.D.30 of the Kendall County Zoning Ordinance, landscaping businesses can be special uses on A-1 zoned property subject to the following conditions:

1. All vehicles, equipment and materials associated with a landscaping business shall be stored entirely within an enclosed structure, unless otherwise permitted under the terms of this Special Use Permit.
2. The business shall be located on, and have direct access to, a State, County or Collector Highway as identified in the County's LRMP, having an all-weather surface, designed to accommodate loads of at least seventy-three thousand, two hundred eighty pounds (73,280 lbs.), unless otherwise approved in writing by the agency having jurisdiction over said Highway. Such approvals shall establish limitations as to the number of employees and types of vehicles coming to and from the site that are engaged in the operation of the use (including delivery vehicles). These restrictions shall be included as controlling conditions of the Special Use.
3. No landscape waste generated off the property can be burned on this site.

If the County Board approves the outdoor storage of materials, the above conditions have been met.

According to the business plan, the business currently operates two (2) four (4) employee crews in April through October and one (1) four (4) employee crew in November through March. The Petitioners plan to hire four (4) additional employees, if business increases. Employees arrive at the property at approximately 7:30 a.m., go to work sites, and return to the property between 3:30 p.m. and 4:00 p.m. Employees unload equipment and materials and leave between 4:30 p.m. and 5:00 p.m. The business operates on Monday through Fridays with an occasional Saturday.

Business equipment presently consists of two (2) bucket trucks, two (2) wood chippers, two (2) one (1) ton pickup trucks, two (2) utility trailers, two (2) spare pick-up trucks, and one (1) wheel loader tractor. When not in operation, the Petitioners plan to house vehicles and equipment inside the proposed approximately nine thousand six hundred (9,600) square foot building. Mulch and firewood piles would be placed on the gravel area as shown on the site plan and landscaping plan and would be piled a maximum twelve feet (12') in height. The Petitioners do not plan to store stone, brick, or rock at the property. Per the site plan, the gravel area is approximately ten point five (10.5) acres in size. If there is a motor vehicle or equipment related leak, the impacted gravel will be removed and replaced with clean gravel.

No retail services will be available at the property and retail customers will not be invited onto the property.

If approved, the Petitioners plan to start operations as quickly as possible.

One (1) approximately nine thousand six hundred (9,600) square foot building is proposed for the site in the location depicted on the site plan and landscaping plan. The building will look substantially like the rendering provided. The walls will be approximately sixteen feet (16') feet tall and the doors will be fourteen feet (14') in height. The peak of the building will be a maximum twenty-four feet (24').

Any structures related to the landscaping business would be required to obtain applicable building permits.

No well or septic system presently exists on the property. No other utilities are located on the property.

One (1) ten foot by ten foot (10' X 10') dumpster enclosure was shown on the site plan and landscaping plan east of the vehicle parking area.

The property drains to the south.

There is one (1) wetland located near the northwest corner of the property.

The site plan and landscaping plan show a proposed seventy-three thousand, nine hundred eighty-four (73,984) square foot wet bottom pond. At the deepest point, the pond will be sixteen feet (16') deep. The stormwater plan information was provided.

Per the site plan and landscaping plan, the Petitioners plan to install one (1) thirty foot (30') wide gravel driveway. The driveway will be approximately forty-eight feet (48') from the western property line.

According to site plan and landscaping plan, the Petitioners plan to install two (2) parking areas. One (1) parking area is planned south of the building and the other parking area is planned west of the building. The total number of parking spaces is twenty-one (21) including one (1) handicapped accessible parking space.

Three (3) pipeline easements exist on the property.

No existing lighting is located on the property. The Petitioners plan to install security lighting. No information was provided regarding lighting type or location.

According to the site plan and landscaping plan, one (1) non-illuminated sign is proposed between the gravel driveway and the western property line. No information was provided regarding sign dimensions or height.

No security information was provided.

The landscaping plan shows one hundred fifty (150) white pines along the perimeter of the property. The white pines will be three (3') feet at the time of planting and will grow to between fifty feet (50') and eighty feet (80'). Ten (10) deciduous trees are planned along the perimeter of the pond. The trees will be one and one half inches (1.5") at the time of planting. The landscaping plan also calls for a seed mix of Kentucky blue grass and turf type perennial grass around the pond and along the gravel driveway. Vegetation will be installed after the gravel and pond are installed.

The portion of the property not used for storage, building, driveway, or the pond will remain farmed. Most of the property will be farmed in 2022, which will delay the installation of the landscaping until 2023.

No information was provided regarding noise control.

No new odors are foreseen by the proposed use.

If approved, this would be the nineteenth (19th) special use permit for a landscaping business in unincorporated Kendall County.

The proposed Findings of Fact were as follows:

That the establishment, maintenance, or operation of the special use will not be detrimental to or endanger the public health, safety, morals, comfort, or general welfare. Provided the site is developed in accordance with the submitted site plan and landscaping plan, the operation of the special use will not be detrimental to the public health, safety, morals, comfort, or general welfare. Conditions may be placed in the special use permit ordinance to address hours of operation.

That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood. The Zoning classification of property within the general area of the property in question shall be considered in determining consistency with this standard. The proposed use shall make adequate provisions for appropriate buffers, landscaping, fencing, lighting, building materials, open space and other improvements necessary to insure that the proposed use does not adversely impact adjacent uses and is compatible with the surrounding area and/or the County as a whole. Appropriate restrictions may be placed in the special use permit to regulate the number of employees, hours of operation, site landscaping, and noise. Therefore, the neighboring property owners should not suffer loss in property values and the use will not negatively impact the adjacent land uses.

That adequate utilities, access roads and points of ingress and egress, drainage, and/or other necessary facilities have been or are being provided. If a stormwater management permit is issued based on the submitted materials, drainage should not be an issue. If the Illinois Department of Transportation approves the access, ingress and egress should not be an issue. Utilities will need to be extended and/or installed on the property.

That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the County Board pursuant to the recommendation of the Zoning Board of Appeals. This is true. No variances are required.

That the special use is consistent with the purpose and objectives of the Land Resource Management Plan and other adopted County or municipal plans and policies. True, the proposed use is consistent with an objective found on Page 9-21 of the Kendall County Land Resource Management Plan which calls for "a strong base of agricultural, commercial and industrial uses that provide a broad range of job opportunities, a healthy tax base, and improved quality of services to County residents". Also, the Kendall County Future Land Use Map and the Village of Shorewood's Future Land Use Map call for commercial uses near the intersection of Route 52 and Arbeiter Road.

Staff recommends approval of the special use permit for a landscaping business subject to the following conditions and restrictions:

1. The site shall be developed substantially in accordance with the site plan and landscaping plan.
2. The gravel area shown on the site plan and landscaping plan shall not exceed ten point five (10.5) acres in size. The owners of the business allowed by this special use permit may reduce the amount of acreage covered by gravel.
3. The owners of the businesses allowed by this special use permit shall diligently monitor the property for leaks from equipment and vehicles parked and stored and items stored on the subject property and shall promptly clean up the site if leaks occur.
4. One (1) approximately nine thousand six hundred (9,600) square foot building may be installed on the subject property in substantially the location shown on the site plan. The building shall look substantially like the building depicted in the rendering. The maximum height of the building shall be twenty-four feet (24').
5. Any new structures constructed or installed related to the business allowed by this special use permit on the property shall not be considered for agricultural purposes and must secure applicable building permits.
6. No business operations may commence at the subject property until an occupancy permit is issued for the building shown on the site plan. No business operations may commence at the subject property until the parking stalls, dumpster enclosure, and wet bottom pond shown on the site plan are installed. Business operations may commence at the subject property prior to the installation of vegetation shown on the landscaping plan.
7. Equipment and vehicles related to the business allowed by the special use permit may be stored outdoors at the subject property during the hours the business is open and shall be stored indoors during non-business hours.
8. None of the vehicles or equipment parked or stored on the subject property related to the business allowed by the special use permit shall be considered agricultural vehicles or agricultural equipment.
9. All of the vehicles and equipment stored on the subject property related to the business allowed by the special use permit shall be maintained in good condition with no deflated tires and shall be licensed if required by law.
10. All landscape related materials shall be stored indoors or on the gravel area depicted on the site plan. The maximum

height of the piles of landscaping related material shall be twelve feet (12') in height, unless otherwise restricted by a stormwater management permit. Stone, brick, and rock shall not be stored outdoors.

11. The size and depth of the wet bottom pond shall be governed by the stormwater management permit issued for the subject property.
12. One (1) two (2) sided non-illuminated sign may be installed on the location depicted on the site plan.
13. One hundred fifty (150) white pines shall be installed in substantially the locations shown on the landscaping plan. The white pines shall be a minimum of three feet (3') in height at the time of planting. The white pines shall be installed by June 30, 2023. Damaged or dead white pines shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the white pines.
14. Ten (10) deciduous trees shall be installed in substantially the locations shown on the landscaping plan. The deciduous trees shall be a minimum one point five inches (1.5") in diameter at the time of planting. The deciduous trees shall be installed by June 30, 2023. Damaged or dead deciduous trees shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the deciduous trees.
15. The seed mix called for in the landscaping plan shall be installed by June 30, 2023. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the seed mix.
16. No landscape waste generated off the property can be burned on the subject property.
17. A maximum of twenty (20) employees of the business allowed by this special use permit, including the owners of the business allowed by this special use permit, may report to this site for work. No employees shall engage in the sale of landscaping related materials on the property.
18. No retail customers of the business allowed by this special use permit shall be invited onto the property by anyone associated with the use allowed by this special use permit.
19. The hours of operation of the business allowed by this special use permit shall be Monday through Saturday from 7:30 a.m. until 5:00 p.m. The owners of the business allowed by this special use permit may reduce these hours of operation.
20. The noise regulations are as follows:

Day Hours: No person shall cause or allow the emission of sound during daytime hours (7:00 A.M. to 10:00 P.M.) from any noise source to any receiving residential land which exceeds sixty-five (65) dBA when measured at any point within such receiving residential land, provided; however, that point of measurement shall be on the property line of the complainant.

Night Hours: No person shall cause or allow the emission of sound during nighttime hours (10:00 P.M. to 7:00 A.M.) from any noise source to any receiving residential land which exceeds fifty-five (55) dBA when measured at any point within such receiving residential land provided; however, that point of measurement shall be on the property line of the complainant.

EXEMPTION: Powered Equipment: Powered equipment, such as lawn mowers, small lawn and garden tools, riding tractors, and snow removal equipment which is necessary for the maintenance of property is exempted from the noise regulations between the hours of seven o'clock (7:00) A.M. and ten o'clock (10:00) P.M.
21. At least one (1) functioning fire extinguisher and one (1) first aid kit shall be on the subject property. Applicable signage stating the location of the fire extinguisher and first aid kit shall be placed on the subject property.
22. The owners of the business allowed by this special use permit acknowledge and agree to follow Kendall County's Right to Farm Clause.
23. The property owner and operator of the business allowed by this special use permit shall follow all applicable Federal, State, and Local laws related to the operation of this type of business.

24. Failure to comply with one or more of the above conditions or restrictions could result in the amendment or revocation of the special use permit.
25. If one or more of the above conditions is declared invalid by a court of competent jurisdiction, the remaining conditions shall remain valid.
26. This special use permit shall be treated as a covenant running with the land and is binding on the successors, heirs, and assigns as to the same special use conducted on the property.

Mr. Gengler asked how long the business had been operating. Jeremy Dippold responded that he had been working in the area since the 1990s.

Mr. Klaas asked if the six inch (6") pipe went to Route 52. John Tebrugge, Petitioners' Engineer, said the pipe goes almost to Route 52.

Mr. Holdiman asked if the Petitioners had discussed access with the Illinois Department of Transportation. Mr. Dippold favored having a wider driveway. Samantha Dippold said final approval of the access would not occur until they (the Dippolds) own the property.

Mr. Holdiman discussed the applicable building code. He advised the Petitioners to tell their builders that the building would not be agricultural use.

Mr. Rybski asked about bathrooms and sinks. Based on current information, the well would not be a non-community well. He advised the Petitioners to design the septic system for maximum load.

Discussion occurred about the size of the gravel area. The stormwater calculations will be based on the ten point five (10.5) acre maximum, but the Petitioners do not have to construct a gravel area of that size.

The business is currently located at Interstate 55 and Renwick Road.

The Petitioners have not had any correspondence with Seward Township. They were advised to contact Seward Township.

The Petitioners had not talked to any neighbors. They were advised to talk to neighbors.

Discussion occurred about lighting. The Petitioners were advised to identify on the site plan where lights would be placed.

The Petitioners had no plans to use the access off of Arbeiter Road.

The land comes with building allocations.

Mr. Holdiman made a motion, seconded by Mr. Rybski, to recommend approval of the requested special use permit with the condition proposed by Staff.

With a voice vote of six (6) ayes, the motion carried.

The proposal goes to the Kendall County Regional Planning Commission on May 25, 2022.

REVIEW OF PETITIONS THAT WENT TO COUNTY BOARD

Mr. Asselmeier reported that Petition 22-08 was approved by the County Board.

OLD BUSINESS/NEW BUSINESS

None

CORRESPONDENCE

None

PUBLIC COMMENT

None

ADJOURNMENT

Mr. Rybski made a motion, seconded by Mr. Klaas, to adjourn.

With a voice vote of six (6) ayes, the motion carried.

The ZPAC, at 9:29 a.m., adjourned.

Respectfully Submitted,
Matthew H. Asselmeier, AICP, CFM
Senior Planner



May 4, 2022

Mr. Matt Asselmeier
Kendall County Planning, Building, & Zoning
111 West Fox Street
Yorkville, IL 60560-1498

Subject: Best Budget Tree (WBK Project 19-102.AN)

Dear Mr. Asselmeier:

We have received and reviewed the following information for the subject project:

- Stormwater Management Detention Design Computations prepared by Tebrugge Engineering dated April 12, 2022 and received April 20, 2022.
- Engineering Plans for Best Budget Tree Site Plan prepared by Tebrugge Engineering dated April 2022 and received April 20, 2022.
- Landscape Plan for Best Budget Tree Site Plan prepared by Tebrugge Engineering dated April 2022 and received April 20, 2022.

The following comments require resolution prior to our recommendation for approval of a stormwater permit.

1. Stormwater Report - The area within the silt fence is over 23 acres compared to 13 acres identified in the stormwater report.
2. Stormwater Report – The curve number for impervious areas should be 98. Also, verify the curve number for gravel and “landscape” based on hydrologic soil group. Finally, the wet pond has a curve number of 100.
3. Stormwater Report - Areas of development are not being captured and bypass the stormwater basin. This includes a gravel driveway. Quantify these areas, flows and justify why this is acceptable.
4. Stormwater Report - Provide an existing conditions exhibit and evaluation of the property identifying off-site tributary areas and existing outfall locations and existing 2 year and 100 year flows. Provide a corollary proposed conditions exhibit with outfall locations and proposed peak flow rates.
5. Stormwater Report - Provide a field tile map.
6. Stormwater Report - Provide a wetland delineation and determination of jurisdiction.
7. Stormwater Report - Determine the elevation and location to which the wetland area overtops and flows overland.
8. Storm sewer pipe is depicted as crossing several pipeline easements. Verify and document approval of utility crossings.





9. It appears discharge from the stormwater basin is to US 52. Please verify and provide approval of the discharge by IDOT. Also, provide sizing and approval of the driveway culvert within US 52 ROW.
10. Engineering Plans - All proposed gravel and impervious surfaces are not clearly routed to the stormwater basin.
11. Engineering Plans - Depict all storm sewer pipe size, materials, manholes, slopes and outfall location. This includes the culvert depicted in US 52 ROW.
12. Engineering Plans - The plans depict two foot contours. One foot contours are required.
13. Engineering Plans – An asphalt pavement section is depicted but no area indicated on the plans. Remove the asphalt pavement detail or clearly depict the location of proposed pavement.
14. Engineering Plans – Clearly depict the normal water elevation and high water elevation in the stormwater basin.

The applicant's design professionals are responsible for performing and checking all design computations, dimensions, details, and specifications in accordance with all applicable codes and regulations, and obtaining all permits necessary to complete this work. In no way does this review relieve applicant's design professionals of their duties to comply with the law and any applicable codes and regulations, nor does it relieve the Contractors in any way from their sole responsibility for the quality and workmanship of the work and for strict compliance with the permitted plans and specifications. If you have any questions or comments, please contact us at (630) 443-7755.

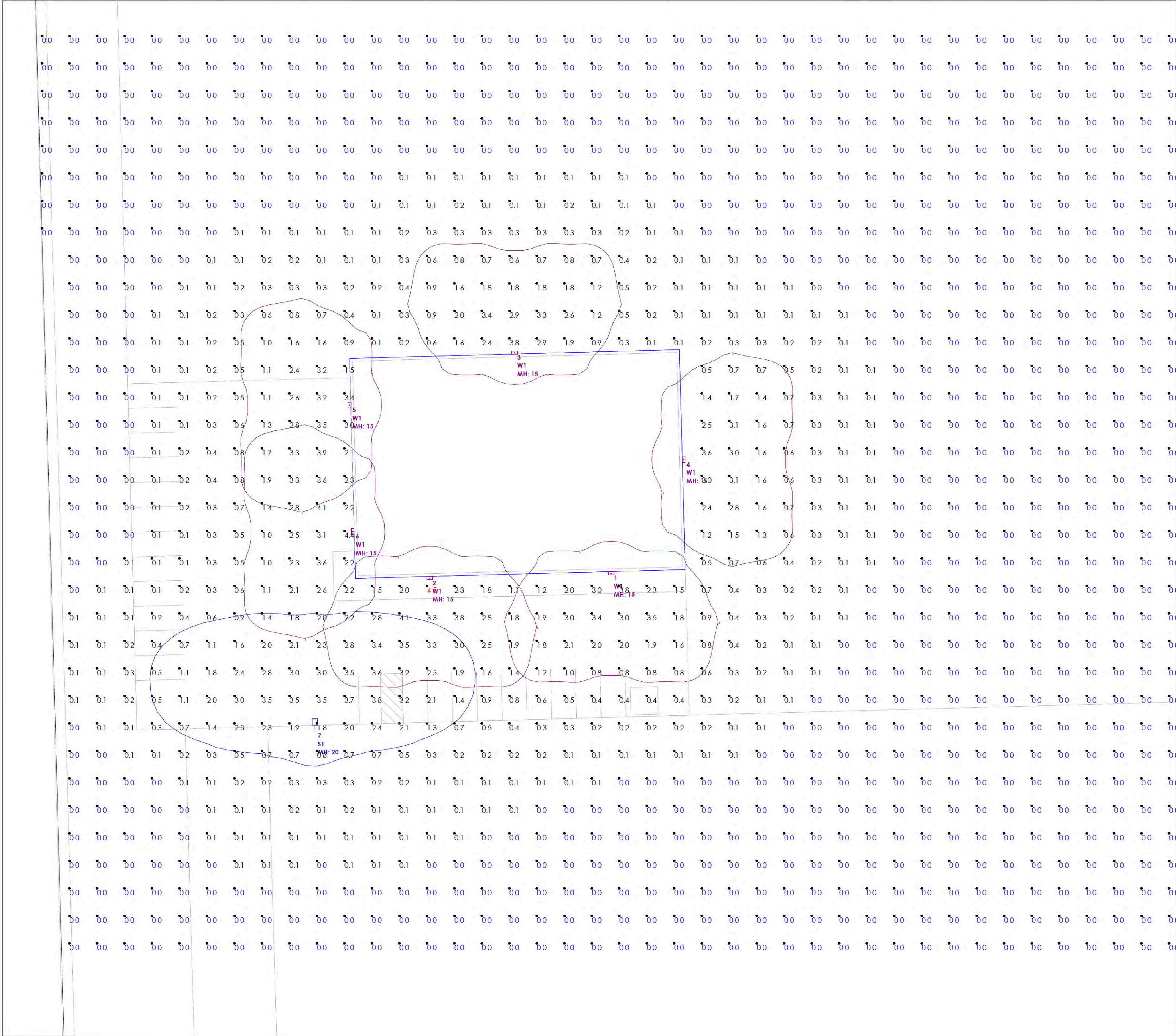
Sincerely,


Greg Chismark PE
WBK Engineering, LLC

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.										
Symbol	Qty	Tag	Arrangement	Luminaire Lumens	Arr. Lum. Lumens	Luminaire Watts	Arr. Watts	LLF	Manufacturer	Description
	1	S1	Single	12010	12010	87.9	87.9	0.900	HUBBELL OUTDOOR	RAR1-160L-100-4K7-3-UNV-AX-X
	6	W1	Single	7558	7558	82.8	82.8	0.900	HUBBELL OUTDOOR	LNC3-24L4K-105-4-U-X

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min	Description	
SITE Planar	Illuminance	Fc	0.34	4.5	0.0	N.A.	N.A.	READINGS @ GRADE	
PARKING AREAS	Illuminance	Fc	1.73	4.4	0.1	44.00	17.30	READINGS @ GRADE	

Luminaire Location Summary				
LumNo	Label	Mtg Ht	Orient	Tilt
1	LNC3-24L4K-105-4	15	270	0
2	LNC3-24L4K-105-4	15	270	0
3	LNC3-24L4K-105-4	15	90	0
4	LNC3-24L4K-105-4	15	0	0
5	LNC3-24L4K-105-4	15	180	0
6	LNC3-24L4K-105-4	15	180	0
7	RAR1-160L-100-4K7-3	20	91	0



Scale: 1 inch= 20 Ft.

PARKING LOT DESIGN GUIDE	MAINTAINED HORIZONTAL		MAINTAINED VERTICAL		MAXIMUM	
APPLICATION AND TASK	AVERAGE (FC)	RANGE (FC)	AVERAGE (FC)	RANGE (FC)	AVG:MIN	MAX:MIN
PARKING (UNCOVERED) ZONE 3 (URBAN)	1.5	0.75 - 3	0.8	0.4 - 1.6	4:1	15:1
PARKING (UNCOVERED) ZONE 2 (SUBURBAN)	1	0.5 - 2	0.6	0.3 - 1.2	4:1	15:1
SAFETY (BUILDING EXTERIOR)	1	0.5 - 2	-	-	FOR SECURITY ISSUES, RAISE AVG. TO 3	
SIMPLIFIED RECOMMENDATIONS BASED ON IES "THE LIGHTING HANDBOOK" 10TH EDITION AND IES RP-20-14. INDIVIDUAL APPLICATIONS WILL DETERMINE SPECIFIC RECOMMENDATIONS. PLEASE REFER TO THE MOST RECENT HANDBOOK FOR A MORE DETAILED EVALUATION AND ADDITIONAL APPLICATIONS. THESE RECOMMENDATIONS DO NOT SUPERCEDE ANY APPLICABLE CODES						

NOTES
PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE. CODE COMPLIANCE REVIEW BY OTHERS.
ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.
THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.
FIXTURE TYPES AND QUANTITIES MAY CHANGE BASED ON UNKNOWN OBSTRUCTIONS OR FIELD CONDITIONS. THESE CHANGES MAY RESULT IN AN INCREASED QUANTITY OF FIXTURES.
FIXTURE TYPES AND QUANTITIES BASED ON PROVIDED LAYOUT AND DRAWINGS ARE FOR REFERENCE ONLY. TYPES AND QUANTITIES MAY CHANGE WITH FUTURE REVISIONS.
CALCULATION GRID VALUES 10'-0" O.C.



PROJECT NAME: BEST BUDGET TREE SERVICE, 22419 W RENWICK RD, PLAINFIELD, IL

CLIENT NAME: TEBRUGGE ENGINEERING

DRAWN BY: Joeli Collins
joeli.collins@pg-enlighten.com
847.228.1199

PG CONTACT: Dan Ardelean
Dan.Ardelean@pg-enlighten.com
847.228.1199

1	2	3
REVISIONS		

Date:5/11/2022

SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

APPLICATIONS

Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

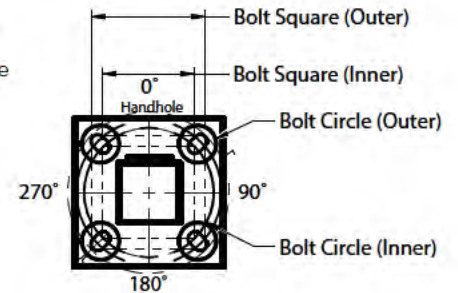
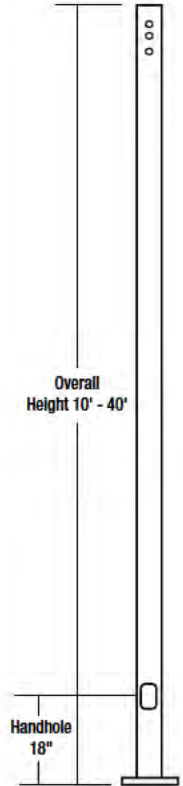
- Shaft: One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- base cover: Two-piece square aluminum base cover included standard
- pole cap: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- hand hole: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- anchor bolts: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling
- Anchor bolt part numbers:
3/4 x 30 x 3 — TAB-30-M38
1 x 36 x 4 — TAB-36-M38

FINISH

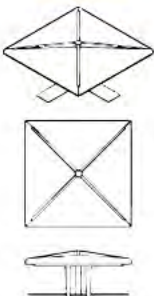
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable

WAREHOUSE 'STOCKED' POLES:

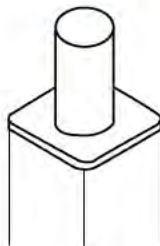
- SSSH-20-40-STK and SSSH-25-40-STK
- The above catalog numbers use a combination of the S2 and B3 drill pattern



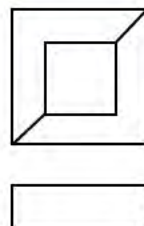
POLE CAP



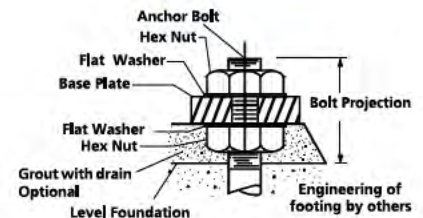
TENON



BASE COVER



BASE DETAIL



SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

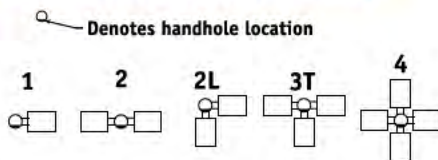
ORDERING GUIDE

Example: SSS-H-25-40-A/B/C-2L-S2-DBT-UL

CATALOG #

Series	Height	Shaft	Thickness	Mounting	Finish	Options
SSS-H Square Straight Steel Pole Hubbell Outdoor	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	Reference page 3 Ordering matrix	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.38" OD x 4" Tall) TB Tenon (2.88" OD x 4" Tall) TC Tenon (3.5" OD x 6" Tall) TR¹ Removable Tenon (2.38" x 4") OT Open Top (includes pole cap)	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Colors Drill Pattern B3 2 bolt (2-1/2" spacing), Ratio S2 2 bolt (3-1/2" spacing)	GFI² 20 Amp GFCI Receptacle and Cover EHH² Extra Handhole C05² .5" Coupling C07² .75" Coupling C20² 2" Coupling MPB² Mid-pole Luminaire Bracket VM2 2nd mode vibration damper LAB Less Anchor Bolts UL UL Certified

MOUNTING ORIENTATION



ACCESSORIES- ORDER SEPARATELY

CATALOG NUMBER	DESCRIPTION
VM1 ³	1st mode vibration damper
VM2SXX*	2nd mode vibration damper

* XX = 08 for 8', 12 for 12', 15 for 16', 20 for 20', and 24' for 24'

Notes:

- Removable tenon used in conjunction with side arm mounting. First specify desired arm
- Specify option location using logic found on page 1 (Option Orientation)
- VM1 recommended on poles 20' and taller with EPA of less than 1.

SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

ORDERING GUIDE (CONTINUED)

Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Circle (range)	Bolt Square (range)	Base Plate Square	Anchor bolt size	Bolt Projection	Pole weight
	Feet	Meters									
SSS-H-10-40-A-XX-XX	10	3.0	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	77
SSS-H-12-40-A-XX-XX	12	3.7	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	90
SSS-H-14-40-A-XX-XX	14	4.3	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	103
SSS-H-16-40-A-XX-XX	16	4.9	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	116
SSS-H-18-40-A-XX-XX	18	5.5	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	129
SSS-H-20-40-A-XX-XX	20	6.1	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	142
SSS-H-25-40-A-XX-XX	25	7.6	4" square	0.125"	9"	8"-10"	5.66"-7.07"	9"	3/4"x30"x3"	3.5	175
SSS-H-14-40-B-XX-XX	14	4.3	4" square	.188"	11"	10"-12"	7.07"-8.48"	10.50"	3/4"x30"x3"	3.5	152
SSS-H-16-40-B-XX-XX	16	4.9	4" square	.188"	11"	10"-12"	7.07"-8.48"	10.50"	3/4"x30"x3"	3.5	171
SSS-H-18-40-B-XX-XX	18	5.5	4" square	.188"	11"	10"-12"	7.07"-8.48"	10.50"	3/4"x30"x3"	3.5	190
SSS-H-20-40-B-XX-XX	20	6.1	4" square	.188"	11"	10"-12"	7.07"-8.48"	10.50"	3/4"x30"x3"	3.5	209
SSS-H-25-40-B-XX-XX	25	7.6	4" square	.188"	11"	10"-12"	7.07"-8.48"	10.50"	3/4"x30"x3"	3.5	257
SSS-H-30-40-B-XX-XX	30	9.1	4" square	.188"	11"	10"-12"	7.07"-8.48"	10.50"	3/4"x30"x3"	3.5	304
SSS-H-16-50-B-XX-XX	16	4.9	5" square	.188"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	219
SSS-H-18-50-B-XX-XX	18	5.5	5" square	.188"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	243
SSS-H-20-50-B-XX-XX	20	6.1	5" square	.188"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	267
SSS-H-25-50-B-XX-XX	25	7.6	5" square	.188"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	327
SSS-H-30-50-B-XX-XX	30	9.1	5" square	.188"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	387
SSS-H-25-50-C-XX-XX	25	7.6	5" square	.25"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	427
SSS-H-30-50-C-XX-XX	30	9.1	5" square	.25"	11"	10.25"-13.25"	7.25"-9.37"	11.50"	1"x36"x4"	4.5	507
SSS-H-20-60-B-XX-XX	20	6.1	6" square	.188"	12"	11.00"-13.25"	7.81"-9.37"	12.25"	1"x36"x4"	5.0	329
SSS-H-25-60-B-XX-XX	25	7.6	6" square	.188"	12"	11.00"-13.25"	7.81"-9.37"	12.25"	1"x36"x4"	5.0	404
SSS-H-30-60-B-XX-XX	30	9.1	6" square	.188"	12"	11.00"-13.25"	7.81"-9.37"	12.25"	1"x36"x4"	5.0	479
SSS-H-35-60-B-XX-XX	35	10.7	6" square	.188"	12"	11.00"-13.25"	7.81"-9.37"	12.25"	1"x36"x4"	5.0	554
SSS-H-40-60-B-XX-XX	40	12.2	6" square	.188"	12"	11.00"-13.25"	7.81"-9.37"	12.25"	1"x36"x4"	5.0	629

Notes:

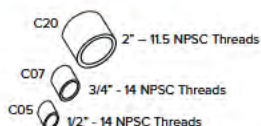
1 Factory supplied template must be used when setting anchor bolts. Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

EHH EXTRA HANDHOLE

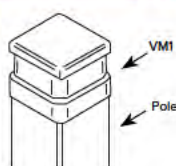


Provision for Grounding

C05 - C07 - C20 - COUPLING



VM1 - VIBRATION DAMPER 1ST MODE



Field installed Pole Top damper designed to reduce pole top deflection or sway. VM1 is recommended for pole systems 20' and taller with a total EPA of 1.0 or less.

VM2 - VIBRATION DAMPER 2ND MODE



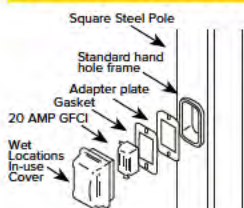
Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

VM2SXX - VIBRATION DAMPER 2ND MODE

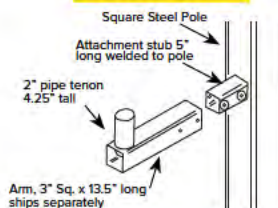


Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

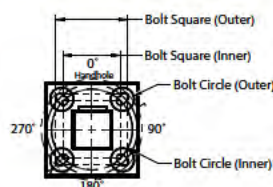
GFI - 20 AMP GFCI RECEPTACLE & COVER



MPB - MID POLE BRACKET



OPTION ORIENTATION

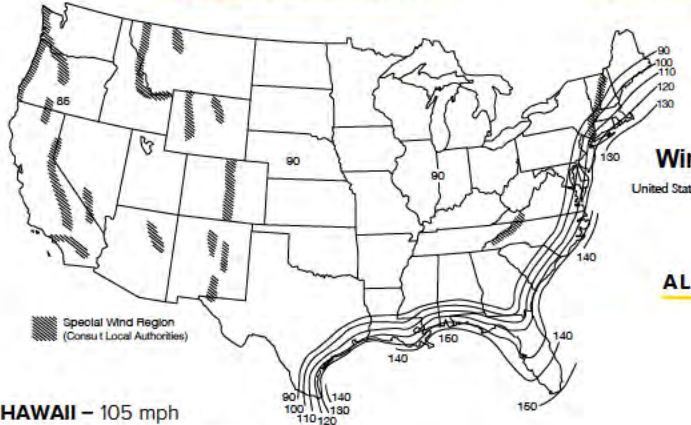


Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: SSS-H-20-40-A-TA-DBT-C07-0-15 (5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1" spacing required between option. Consult factory for other configurations.

SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

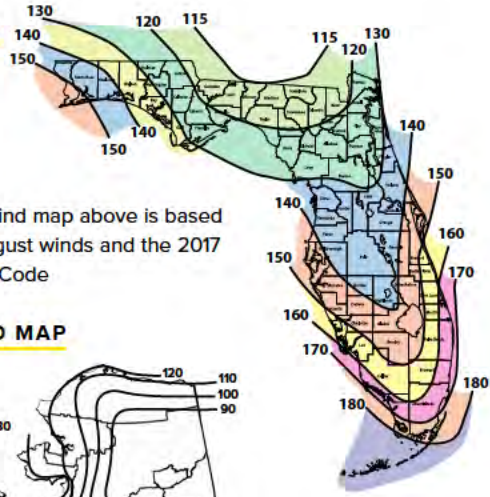
ASCE7-05 WIND MAP



HAWAII – 105 mph

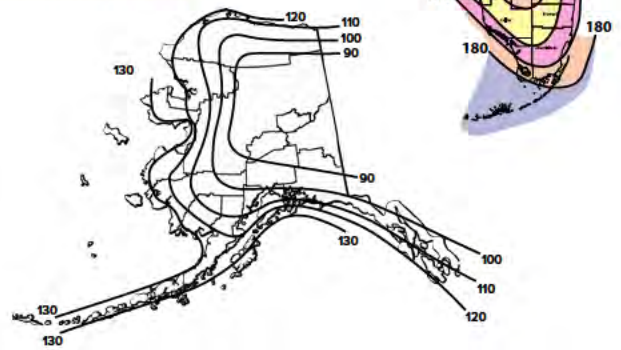
PUERTO RICO – 145 mph

FLORIDA REGION WIND MAP



- Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds
(Use for all locations except Florida)

Catalog Number	85	90	100	105	110	120	130	140	145	150
SSS-H-10-40-A	25.0	25.0	25.0	22.8	20.6	17.0	14.2	11.9	11.0	10.1
SSS-H-12-40-A	25.0	25.0	20.0	18.0	16.1	13.2	10.8	8.9	8.1	7.4
SSS-H-14-40-A	23.1	20.4	16.1	14.3	12.8	10.2	8.2	6.6	5.9	5.3
SSS-H-16-40-A	19.0	16.7	13.0	11.5	10.1	7.9	6.2	4.7	4.1	3.6
SSS-H-18-40-A	15.6	13.6	10.0	9.0	7.8	5.9	4.4	3.1	2.6	2.1
SSS-H-20-40-A	12.7	10.9	7.9	6.9	5.9	4.2	2.8	1.7	1.3	0.9
SSS-H-25-40-A	7.3	5.9	3.8	2.9	2.1	0.8	NR	NR	NR	NR
SSS-H-14-40-B	25.0	25.0	23.3	20.8	18.6	15.1	12.3	10.2	9.2	8.4
SSS-H-16-40-B	25.0	24.9	19.4	17.3	15.4	12.3	9.9	8.0	7.2	6.4
SSS-H-18-40-B	24.0	20.8	16.1	14.2	12.5	9.8	7.7	6.1	5.3	4.7
SSS-H-20-40-B	20.2	17.5	13.2	11.6	10.1	7.7	5.9	4.4	3.8	3.2
SSS-H-25-40-B	12.8	11.0	7.9	6.7	5.5	3.7	2.3	1.2	0.7	NR
SSS-H-30-40-B	8.0	6.6	4.1	3.1	2.2	0.8	NR	NR	NR	NR
SSS-H-16-50-B	25.0	25.0	25.0	25.0	24.8	20.1	16.5	13.6	12.3	11.2
SSS-H-18-50-B	25.0	25.0	25.0	22.9	20.4	16.4	13.2	10.7	9.6	8.6
SSS-H-20-50-B	25.0	25.0	21.3	18.9	16.7	13.2	10.4	8.1	7.2	6.3
SSS-H-25-50-B	20.7	17.8	13.3	11.5	9.8	7.2	5.0	3.3	2.6	1.9
SSS-H-30-50-B	13.5	11.3	7.7	6.2	4.9	2.8	1.1	NR	NR	NR
SSS-H-25-50-C	25.0	25.0	19.4	17.1	15.1	11.7	9.0	6.9	6.0	5.1
SSS-H-30-50-C	20.1	17.3	12.7	10.9	9.3	6.6	4.5	2.8	2.1	1.4
SSS-H-20-60-B	25.0	25.0	25.0	25.0	25.0	20.2	16.1	12.9	11.5	10.3
SSS-H-25-60-B	25.0	25.0	20.6	18.0	15.6	11.8	8.7	6.2	5.2	4.2
SSS-H-30-60-B	21.4	18.1	12.9	10.7	8.8	5.7	3.3	1.3	NR	NR
SSS-H-35-60-B	14.0	11.3	6.9	5.2	3.6	1.0	NR	NR	NR	NR
SSS-H-40-60-B	8.1	5.8	2.2	NR	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust
wind speeds (Use for Florida only)

Catalog Number	115	120	130	140	150	160	170	180
SSS-H-10-40-A	25.0	25.0	25.0	25.0	21.4	18.4	15.9	13.9
SSS-H-12-40-A	25.0	25.0	23.6	19.8	16.7	14.2	12.1	10.4
SSS-H-14-40-A	25.0	23.1	19.0	15.7	13.1	10.9	9.1	7.6
SSS-H-16-40-A	20.8	18.7	15.2	12.3	10.1	8.2	6.7	5.4
SSS-H-18-40-A	16.8	15.0	11.9	9.4	7.5	5.9	4.5	3.4
SSS-H-20-40-A	13.6	11.9	9.2	7.1	5.3	3.9	2.7	1.7
SSS-H-25-40-A	7.4	6.2	4.1	2.5	1.1	NR	NR	NR
SSS-H-14-40-B	25.0	23.6	19.4	16.1	13.4	11.2	9.4	7.8
SSS-H-16-40-B	21.4	19.2	15.6	12.7	10.4	8.5	6.9	5.6
SSS-H-18-40-B	17.2	15.4	12.2	9.7	7.7	6.1	4.7	3.6
SSS-H-20-40-B	13.9	12.3	9.5	7.3	5.5	4.1	2.9	1.9
SSS-H-25-40-B	7.7	6.4	4.3	2.6	1.3	NR	NR	NR
SSS-H-30-40-B	3.2	2.1	NR	NR	NR	NR	NR	NR
SSS-H-16-50-B	25.0	25.0	25.0	25.0	25.0	21.4	18.2	15.5
SSS-H-18-50-B	25.0	25.0	25.0	24.4	20.4	17.0	14.2	11.9
SSS-H-20-50-B	25.0	25.0	24.4	19.9	16.3	13.4	11.0	8.9
SSS-H-25-50-B	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-H-30-50-B	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-H-25-50-C	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-H-30-50-C	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-H-20-60-B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSS-H-25-60-B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSS-H-30-60-B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSS-H-35-60-B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSS-H-40-60-B	1.8	NR	NR	NR	NR	NR	NR	NR

RESET

SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

Notes:

- 1 Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- 2 The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- 3 Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- 4 Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- 5 Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. https://hubbellcdn.com/ohwassets/HLL/outdoor/resources/literature/files/Pole_Wind_Induced_Flyer_HLQI0022.pdf
- 6 Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available



RELATED PRODUCTS

⌘ [Airo](#) ⌘ [Cimarron LED](#) ⌘ [Ratio Family](#)



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series	# LEDs - Wattage	CCT/CRI	Distribution	Optics Rotation	Voltage
RAR1 Ratio Area Size 1	80L-25 25W - 3,000 Lumens	3K7 3000K, 70 CRI	2 IES TYPE II	Blank for no rotation	UNV Universal 120-277V
	80L-39 39W - 5,200 Lumens	4K7 4000K, 70 CRI	3 IES TYPE III	L Optic rotation left	120 120V
	80L-50 50W - 6,000 Lumens	5K7 5000K, 70 CRI	4W IES TYPE IV	R Optic rotation right	208 208V
	160L-70 70W - 9,000 Lumens		5QW IES TYPE V		240 240V
	160L-100 100W - 12,000 Lumens				277 277V
	160L-115 115W - 15,000 Lumens				347 347V
	160L-135 135W - 18,000 Lumens				480 480V
RAR2 Ratio Area Size 2	320L-110 110W - 15,000 Lumens				
	320L-140 140W - 18,000 Lumens				
	320L-165 165W - 21,000 Lumens				
	480L-185 185W - 24,000 Lumens				
	480L-210 210W - 27,000 Lumens				
	480L-240 240W - 30,000 Lumens				
	480L-255 255W - 36,000 Lumens				
	480L-295 295W - 42,000 Lumens				
	480L-340 340W - 48,000 Lumens				

Mounting	Color	Control Options Network	Options
ASQ Arm mount for square pole/flat surface	BLT Black Matte Textured	NXWE NX Wireless Enabled (module + radio)	BC Backlight control
ASQU Universal arm mount for square pole/flat surface	BLS Black Gloss Smooth	NXSPW_F NX Wireless, PIR Occ. Sensor, Daylight Harvesting ⁴	F Fusing (must specify voltage)
Mounting Round Poles	DBT Dark Bronze Matte Textured	NXSP_F NX, PIR Occ. Sensor, Daylight Harvesting ⁴	TB Terminal block
A_ Arm mount for round pole ¹	DBS Dark Brone Gloss Smooth	Control Options Other	2PF 2 power feed with 2 drivers ²
A_U Universal arm mount for round pole ¹	GTT Graphite Matte Textured	SCP-40F Programmable occupancy sensor ³	
Mounting Other	LGS Light Grey Gloss Smooth	7PR 7-Pin twist lock receptacle	
WB Wall bracket	PSS Platinum Silver Smooth	7PR-SC 7-Pin receptacle with shorting cap	
MAF Mast arm fitter for 2-3/8" OD horizontal arm	WHT White Matte Textured	7PR-MD40F Low voltage sensor for 7PR	
K Knuckle	WHS White Gloss Smooth	7PR-TL 7-Pin PCR with photocontrol	
	VGT Verde Green Textured	Sensors	
	Color Option	BTS_F Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens ⁴	
	CC Custom Color	BTSO_F Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height ⁵	

Notes:

- 1 Replace " " with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
- 2 Not available with 25, 50, 255, 295 & 340W configurations
- 3 At least one SCPREMOTE required to program SCP motion sensor
- 4 Replace " " with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
- 5 Replace " " with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

Catalog Number	Description
☐ RARRPA3DB	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐ RARA3UDB	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐ RARBC80L	Ratio blacklight control 80L
☐ RARBC160L	Ratio blacklight control 160L
☐ RARBC320L	Ratio blacklight control 320L
☐ RARBC480L	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
☐ RAR-ASQU-XX	Universal arm mount for square pole/flat surface ²
☐ RAR-A_U-XX	Universal arm mount for round poles ^{1,2}
☐ RAR-RPA_-XX	Round pole adapter ^{1,2}
☐ SETAVP-XX	4" square pole top tenon adapter, 2 3/8" OD slipfitter ²
☐ RETAVP-XX	4" round pole top tenon adapter, 2 3/8" OD slipfitter for max. Four fixtures (90°); order 4" round pole adapters separately ²
☐ BIRD-SPIKE-3	Ratio size 1 bird deterrent/spikes
☐ BIRD-SPIKE-4	Ratio size 2 bird deterrent/spikes
☐ RARWB-XX	Wall bracket - use with Mast Arm Fitter or Knuckle ²

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options

Standalone

SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control

Networked – Wireless

WIR-RME-L	wISCAPE External Fixture Module ^{1,2}
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NX Networked – Wireless

NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock
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Notes:

- Works with external networked photosensor
- wISCAPE Gateway required for system programming

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0° C	32° F	1.03
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.98
50° C	122° F	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

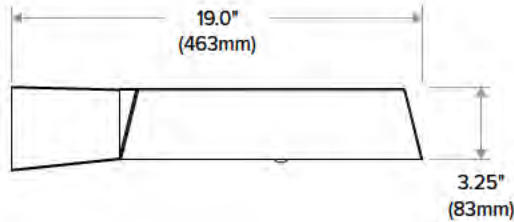
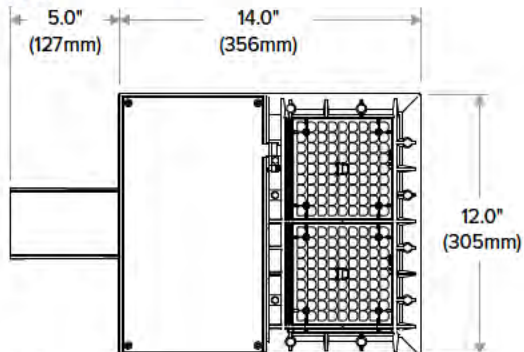
Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

RATIO SERIES

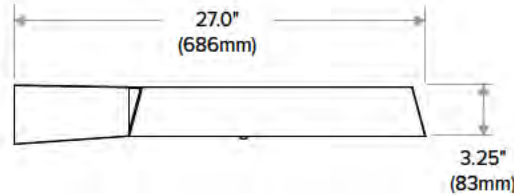
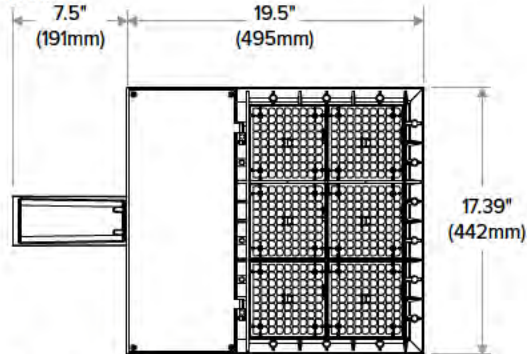
AREA/SITE LIGHTER

DIMENSIONS

RAR1



RAR2



ADDITIONAL INFORMATION

MOUNTING



Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



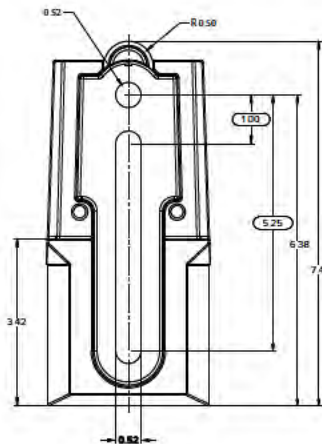
Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.

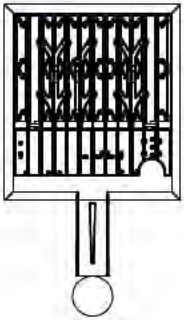




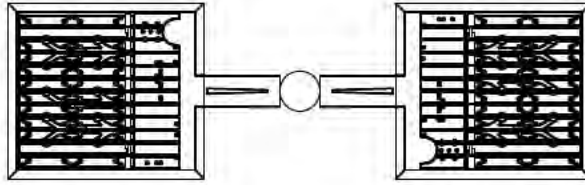
RATIO SERIES

AREA/SITE LIGHTER

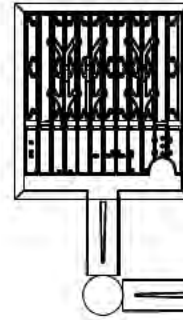
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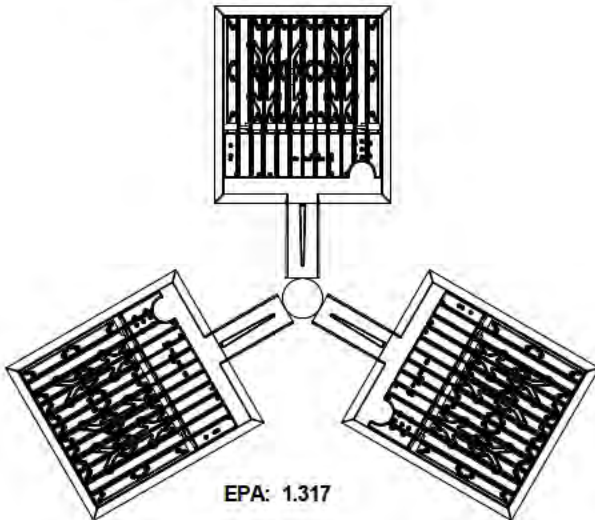
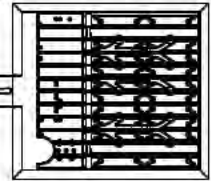
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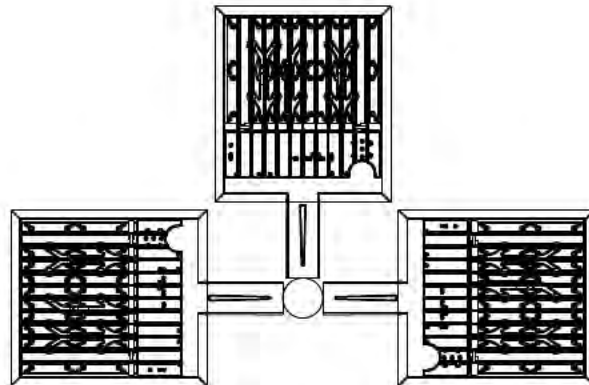
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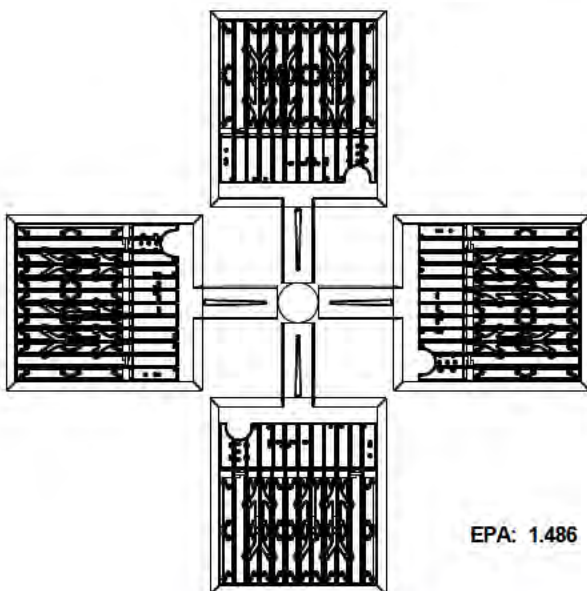
EPA: .936



EPA: 1.317



EPA: 1.486



EPA: 1.486



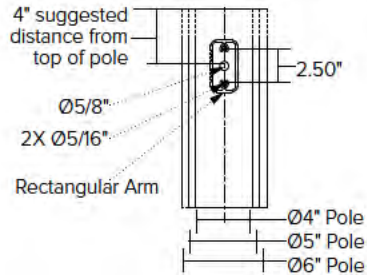
RATIO SERIES

AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

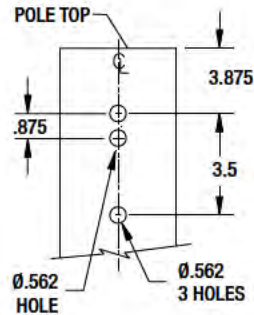
ARM MOUNT (ASQ)

Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)

Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR



- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

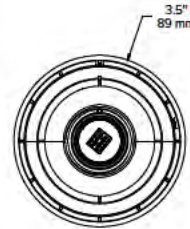
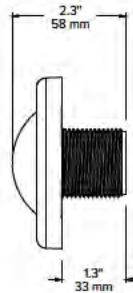
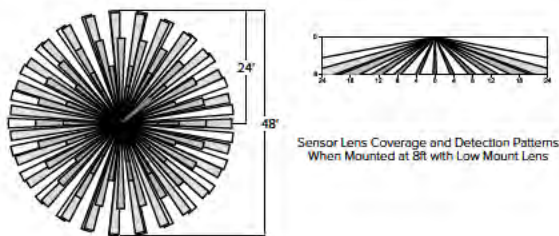
ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

RATIO SERIES

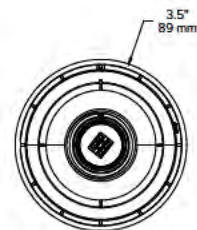
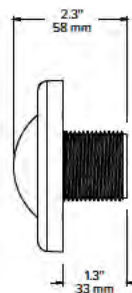
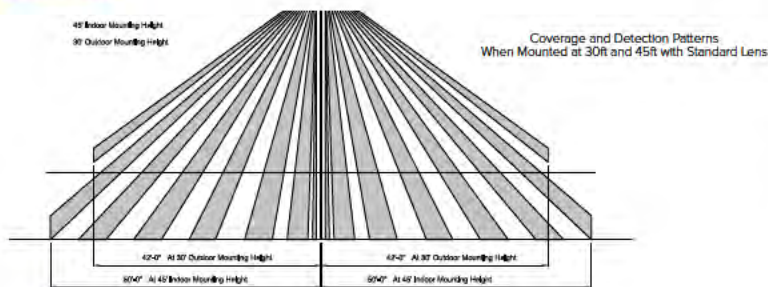
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

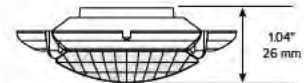
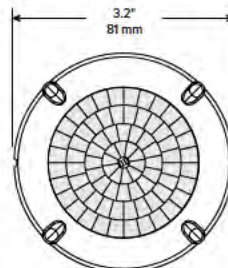
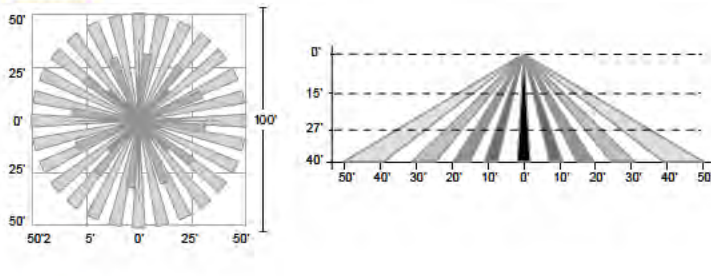
NXSP-14F



NXSP-30F



SCP-40F



RAR1 EPA

RAR-1	
EPA at 0°	EPA at 30°
.45ft. ² .13m ²	.56ft. ² .17m ²

RAR2 EPA

RAR-2	
EPA at 0°	EPA at 30°
.55ft. ² .17m ²	1.48ft. ² .45m ²

SHIPPING

Catalog Number	G.W.(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

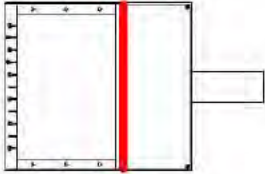
RATIO SERIES

AREA/SITE LIGHTER

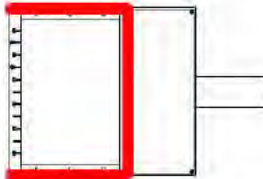
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

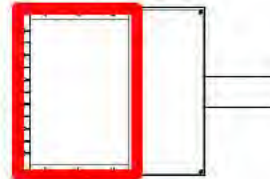
RARx HSS-90-B-xx



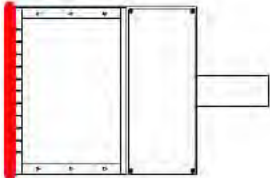
RARx HSS-270-BSS-xx



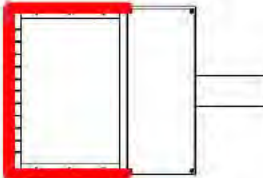
FARx HSS-360-xx



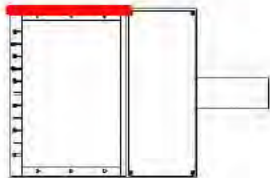
RARx HSS-90-F-xx



RARx HSS-270-FSS-xx



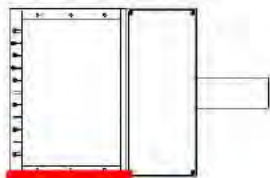
RARx HSS-90-S-xx



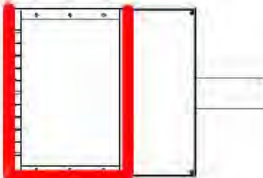
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



USE OF TRADEMARKS AND TRADE NAMES

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LNC3

MEDIUM LED LITEPAK

FEATURES

- Litepak LNC3 is a mid-sized wallpack in the popular Litepak series
- The LNC3 features luminaires with TIR optics and four different lumen packages, multiple distributions and CCT for maximum light level and mounting height flexibility
- Capable of replacing up to 250w HID solutions at over 70% energy savings
- Energy efficient LEDs provide 70%+ energy savings with little to no maintenance when compared to traditional light sources
- Typical mounting heights of 8-20"



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Die-cast aluminum housing protects components and provides an architectural appearance
- Casting thermally conducts LED heat to optimize performance and long life
- Powder paint finish provides durability in outdoor environments
- Four 1/2" conduit entries (top, bottom, and sides) provided for surface conduit
- Zero uplight distributions using individual acrylic LED optics provide IES type II, III and IV distributions
- CS - Frosted acrylic diffuser option for reduced glare
- CSU - Frosted acrylic diffuser for inverted "up" mounting applications (lens required)

OPTICS

- Ambient operating temperature -40°C to 40°C
- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Available in 4 or 24 LED configuration
- L70 at 60,000 hrs (Projected per IESNA TM-21-11), see table on page 3 for all values

INSTALLATION

- Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box)

INSTALLATION (CONTINUED)

- Fixture attaches by two Allen-head hidden fasteners for tamper resistance
- Designed for direct j-box mount or conduit feed on all four sides in single SKU

ELECTRICAL

- 120-277, 347 and 480 voltage, 50/60Hz, 0-10V dimming drivers
- Electronic driver
- 10kA surge protection

CONTROLS

- Button photocontrol for dusk to dawn energy savings
- 7-pin photo-receptacle available for twist lock photocell and controls by others
- Occupancy sensor options available for complete on/off and dimming control
- SiteSync pre-commissioned wireless controls (with or without sensor)
- In addition, LITEPAK can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7
- See ordering information or visit www.hubbellighting.com/sitesync for more details



RELATED PRODUCTS

- θ [LNC](#) θ [INC2](#) θ [LNC4](#)

CERTIFICATIONS

- DLC® DesignLights Consortium Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 Assembly
- IDA Approved (3000K configurations)

WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	2,991-7,603
Wattage Range	28-83
Efficacy Range (LPW)	84-115
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	18.0 (8.2)

LNC3

MEDIUM LED LITEPAK

ORDERING GUIDE

Example: LNC3-24L-3K-035-2-U-DBT-PCU

CATALOG #

ORDERING INFORMATION

Series	# LEDs	CCT/CRI	Drive Current	IES Distribution	Voltage
LNC3 Medium Litepak Wallpak	24L 24LEDs	3K 3000K nominal, 70 CRI 4K 4000K nominal, 70 CRI 5K 5000K nominal, 70 CRI	035 350mA 050 500mA 075 750mA 105 1050mA	2 Type II ¹ 3 Type III ¹ 4 Type IV ¹	U 120-277V 1 120V ¹ 2 208V ¹ 3 240V ¹ 4 277V ¹ 5 480V ¹ F 347V ¹

Finish	Control Options	Options	Notes:
BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	PCU Universal Button Photocontrol 7PR 7pin PCR ⁶ SCP Programmable occupancy sensor ^{3,4} SWP SiteSync Pre-Commission ^{7,10} SWPM SiteSync Pre-commission w/ OCC Sensor ^{4,7,8,10}	F Fusing (must specify voltage per footnote) CS Frosted acrylic diffuser CSU Inverted/Up mounting frosted acrylic diffuser (required for up/inverted fixture installations, factory install only see page 3) ² E Integral battery backup rated for 0°C ^{1,5} EH Integral battery backup with heater rated for -30°C ^{1,5} 2DR Dual Driver ⁹	1 Must specify voltage (120 or 277 only for E & EH) 2 Factory install only. Not available with SCP or SWPM sensor/control options 3 Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only 4 PCU option not applicable, included in sensor (8F = up to 8ft, 20F = up to 20ft) 5 350mA, 500mA & 750mA versions only. Not available with F, SWP or SWPM options 6 Accepts standard 3, 5, and 7-Pin ANSI controls (by others). Not available with PCU, SWP or SWPM control options 7 Must specify group and zone information at time or order. See www.HubbellLighting.com/products/sitesync for future details 8 Specify time delay; dimming level and mounting height 9 750mA and 1050mA versions only, not available with 347/480V 10 1050mA only, not available with 347V or 480V

ACCESSORIES AND SERVICES (ORDERED SEPARATELY)

Catalog Number	Description
☐ LNC3-CS	Frosted acrylic comfort shield/lens, reduces glare and improves uniformity with only 20% lumen reduction
☐ SCP-Remote	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
☐ SWUSB	SiteSync Interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node ⁺
☐ SWTAB	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node ⁺
☐ SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested
☐ SW7PR	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC [*]

Notes:

* When ordering SiteSync at least one of these two interface options must be ordered per project

+ Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle

Hubbell Control Solutions — Accessories (Sold Separately)

NX Distributed Intelligence™

☐ NXOFM-1R1D-UNV On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC

wiSCAPE® Lighting Control

☐ WIR-RME-L On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

LNC3

MEDIUM LED LITEPAK

CONTROLS

SiteSync — Precommissioned Ordering Information:

When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [the SiteSync family page on our website](#) or contact Hubbell Lighting tech support at 800-345-4928.



SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: LNC3-24L-4K-075-3-U-BL-SWP

LNC3-24L-4K-075-3-U-BL-SWPM-20F

SiteSync only

SiteSync with Motion Control

SiteSync 7-Pin Module:

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does not interface with occupancy sensors



SW7PR

PERFORMANCE DATA

# Of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW*	B	U	G	Lumens	LPW*	B	U	G	Lumens	LPW*	B	U	G
4	N/A	N/A	E	671	-	-	-	-	657	-	-	-	-	591	-	-	-	-
24	350mA	28	2	3,212	115	1	0	1	3,145	113	1	0	1	2,991	107	1	0	1
			3	3,160	113	1	0	1	3,094	111	1	0	1	2,944	106	1	0	1
			4	3,182	114	1	0	1	3,116	112	1	0	1	2,964	106	1	0	1
	500mA	41	2	4,143	101	1	0	2	4,057	99	1	0	2	3,858	94	1	0	2
			3	4,076	99	1	0	1	3,991	97	1	0	1	3,797	93	1	0	1
			4	4,104	100	1	0	1	4,019	98	1	0	1	3,823	93	1	0	1
	750mA	60	2	5,918	99	1	0	2	5,795	97	1	0	2	5,512	92	1	0	2
			3	5,823	97	1	0	2	5,702	95	1	0	2	5,424	90	1	0	2
			4	5,863	98	1	0	2	5,741	96	1	0	2	5,461	91	1	0	2
	1050mA	83	2	7,630	92	2	0	2	7,472	90	2	0	2	7,107	86	2	0	2
			3	7,508	90	1	0	2	7,352	89	1	0	2	6,993	84	1	0	2
			4	7,559	91	1	0	2	7,402	89	1	0	2	7,041	85	1	0	2

ELECTRICAL DATA

# OF LEDs	Drive Current (mA)	Input Voltage (V)	Oper. Current (Amps)	System Power (W)
24	350mA	120	0.23	28
		277	0.10	28
		347	0.08	28
		480	0.06	28
	500mA	120	0.34	41
		277	0.15	41
		347	0.12	41
		480	0.09	41
	750mA	120	0.50	60
		277	0.22	60
		347	0.17	60
		480	0.13	60
	1050mA	120	0.69	83
		277	0.30	83
		347	0.24	83
		480	0.17	83

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* L96 60,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.94	0.93	0.89	>296,000
40°C / 104°F	1.00	0.95	0.91	0.89	0.83	>191,000

* Projected per IESNA TM-21-11* (Nichia 219B, 700mA, 85°C Ts, 10,000hrs). Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LNC3

MEDIUM LED LITEPAK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

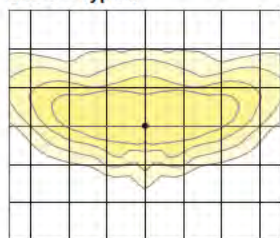
Ambient Temperature		Lumen Multiplier
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PHOTOMETRY

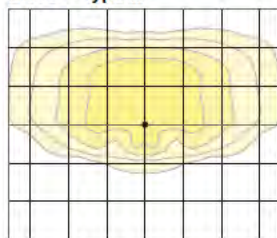
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see [website photometric test reports](#).

LNC3 – Type II



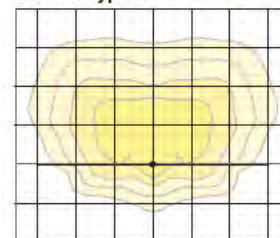
Mounting Height: 15'

LNC3 – Type III



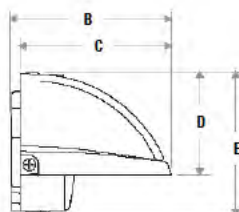
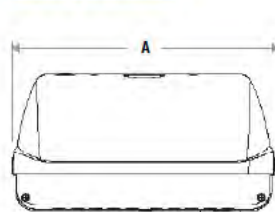
Mounting Height: 15'

LNC3 – Type IV



Mounting Height: 15'

DIMENSIONS



A	B	C	D	E	Weight
13" (330 mm)	10.5" (267 mm)	9.9" (251 mm)	5.8" (147 mm)	8.3" (211 mm)	25.0 lbs 11.3 kg

ADDITIONAL INFORMATION

CSU – INVERTED MOUNTING OPTION



*Requires Factory Installed Lens Option

Inverted mounting capabilities for uplighting applications. Specially designed frosted acrylic diffuser option softens output, improves uniformity and protects LED lenses.

SCP – PROGRAMMABLE OCCUPANCY SENSOR



*Photocontrol and Wireless Controls by Others

Standard NEMA 7-Pin receptacle for twist lock photocell or wireless controls (by others).

SCP – PROGRAMMABLE OCCUPANCY SENSOR



Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels (Factory default is 10%)

Visit: <http://www.hubbellighting.com/solutions/controls/> for control application information

SHIPPING INFORMATION

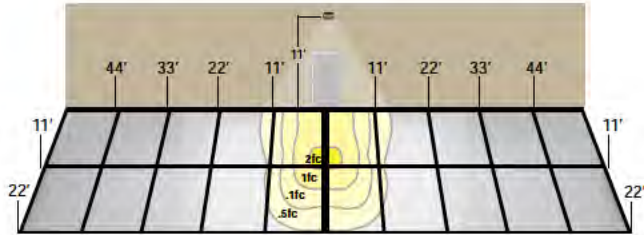
Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC3-24LU	18.0 (8.2)	15.8 (40)	11.0 (28)	13.0 (33)	1

LNC3

MEDIUM LED LITEPAK

ADDITIONAL INFORMATION (CONTINUED)

LNC2 - BATTERY BACK UP



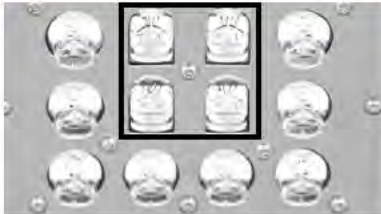
11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

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

Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging. EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

E & EH EMERGENCY BATTERY BACKUP



24 High Power LEDs generate up to 7,500 lumens in Normal Mode, and use 4 LEDs for up to 700 lumens in emergency.

USE OF TRADEMARKS AND TRADE NAMES

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Attachment 14, Page 1
**KENDALL COUNTY
REGIONAL PLANNING COMMISSION**

*Kendall County Office Building
Rooms 209 and 210
111 W. Fox Street, Yorkville, Illinois*

Unapproved - Meeting Minutes of May 25, 2022 - 7:00 p.m.

Chairman Ashton called the meeting to order at 7:01 p.m.

ROLL CALL

Members Present: Bill Ashton, Tom Casey, Dave Hamman (arrived at 7:02 p.m.), Karin McCarthy-Lange, Larry Nelson, Ruben Rodriguez, Claire Wilson, and Seth Wormley

Members Absent: Bob Stewart

Staff Present: Matthew H. Asselmeier, Senior Planner

Others Present: Suzanne Casey, Samantha Dippold, Jeremy Dippold, Joe Frescura, Tim O'Brien, Anne Vickery, Robert Delaney, Pat Frescura, Jim Martin, Dave Shively, Tony Guzman, Kim Larkin, and Steve Papaeliou

APPROVAL OF AGENDA

Member Rodriguez made a motion, seconded by Member McCarthy-Lange, to approve the agenda. With a voice vote of seven (7) ayes, the motion carried.

APPROVAL OF MINUTES

Member Nelson made a motion, seconded by Member Rodriguez, to approve the minutes of the of the April 27, 2022, meeting.

With a voice vote of seven (7) ayes, the motion carried.

Member Hamman arrived at this time 7:02 p.m.

Mr. Asselmeier noted that Member Casey had asked about a property on the south side of Route 52 east of Arbeiter Road at the April Planning Commission meeting. Mr. Asselmeier said that four (4) agricultural accessory building permits and a driveway permit have been issued at that property. The owner comes out to the property on weekends to work on the property.

Petition 22-01 Jose and Silvia Martinez

Mr. Asselmeier provided several emails related to this Petition. The Petitioners' Attorney requested the proposal be continued to June. Without objection, the proposal was continued as requested.

Petition 22-10 Mark Fecht on Behalf of Fecht Brothers, Inc. (Property Owner) and Jeremy and Samantha Dippold on Behalf of Best Budget Tree, LLC (Contract Purchaser)

Mr. Asselmeier summarized the request.

Best Budget Tree, LLC would like to purchase the subject property from Fecht Brothers Inc. in order to operate a tree and landscaping business at the property.

Best Budget Tree, LLC has been in existence for over ten (10) years.

The application materials, site plan, landscaping plan, stormwater plans, and renderings of the proposed building were provided.

The property is on the north side of Route 52 across from 2190 and 2200 Route 52.

The property is approximately forty-eight (48) acres in size.

The property is zoned A-1 Agricultural.

The County's Future Land Use Map calls for the property to be Rural Residential (Max 0.65 Du/Acre). Shorewood's Future Land Use Map calls for the property to be Residential and Commercial.

Route 52 is a State maintained Arterial road.

Joliet has a trail planned along Route 52, but Joliet does not want a right-of-way dedication at this time; an email to that effect was provided.

There are no floodplains on the property. There is a wetland near the northwest corner of the property.

The adjacent land uses are Agricultural and Single-Family Residential.

The adjacent properties are zoned A-1 and R-3.

The County's Future Land Use Map calls for the area to be Commercial, Rural Residential, and Suburban Residential. Joliet's Future Land Use Map calls for the area to be Residential. Shorewood's Future Land Use Map calls for the area to be Residential and Commercial.

The nearby properties are zoned A-1, A-1 SU, and R-1, and R-3.

The A-1 special use permit to the west is for the sale of agricultural products not grown on the premises.

EcoCAT Report was submitted on April 15, 2022, and indicated the following protected resources:

Aux Sable Creek INAI Site

Greater Redhorse (*Moxostoma valenciennesi*)

The Illinois Department of Conservation determined that negative impacts were unlikely and consultation was terminated on April 18, 2022.

The application for NRI was submitted April 21, 2022. The LESA Score was 210 indicating a medium level of protection. The NRI Report was provided.

Petition information was sent to Seward Township on April 25, 2022. The Seward Township Planning Commission reviewed the proposal in May 2022. They expressed concerns about the location of lighting with respect to the adjacent homes. The Seward Township Planning Commission recommended approval of the request. An email to that effect was provided.

Petition information was sent to the Village of Shorewood on April 25, 2022. On May 4, 2022, the Village of Shorewood submitted an email saying they did not want to request a right-of-way dedication for a biking/walking trail. This email was provided.

Petition information was sent to the Minooka Fire Protection District on April 25, 2022. On May 5 and 6, 2022, the Minooka Fire Protection District submitted a letter and email requesting a fire alarm system that meets

applicable codes, no smoking signs near the mulch pile, a dry fire hydrant, and signage properly marking the address of the property. The letter and email were provided. The Petitioners were agreeable to this request.

The Kendall County ZPAC reviewed this Petition at their meeting on May 3, 2022. Mr. Klaas asked if the six inch (6") pipe shown on the plans went to Route 52. John Tebrugge, Petitioners' Engineer, said the pipe goes almost to Route 52. The Petitioners had not received final access approval from the Illinois Department of Transportation; they will not get final approval until they (the Dippolds) own the property. The Petitioners understood that any buildings constructed on the property would not be eligible for agricultural building permit exemptions. Based on the information provided, the well would not be a non-community well. The Petitioners were advised to design the septic system for maximum load. The Petitioners were advised to identify on the site plan where lights would be placed. The Petitioners had no plans to use the access off of Arbeiter Road. The land comes with building allocations. ZPAC recommended approval of the proposal by a vote of six (6) in favor and zero (0) in opposition with four (4) members absent. The minutes were provided.

Per Section 7:01.D.30 of the Kendall County Zoning Ordinance, landscaping businesses can be special uses on A-1 zoned property subject to the following conditions:

1. All vehicles, equipment and materials associated with a landscaping business shall be stored entirely within an enclosed structure, unless otherwise permitted under the terms of this Special Use Permit.
2. The business shall be located on, and have direct access to, a State, County or Collector Highway as identified in the County's LRMP, having an all-weather surface, designed to accommodate loads of at least seventy-three thousand, two hundred eighty pounds (73,280 lbs.), unless otherwise approved in writing by the agency having jurisdiction over said Highway. Such approvals shall establish limitations as to the number of employees and types of vehicles coming to and from the site that are engaged in the operation of the use (including delivery vehicles). These restrictions shall be included as controlling conditions of the Special Use.
3. No landscape waste generated off the property can be burned on this site.

If the County Board approves the outdoor storage of materials, the above conditions have been met.

According to the business plan, the business currently operates two (2) four (4) employee crews in April through October and one (1) four (4) employee crew in November through March. The Petitioners plan to hire four (4) additional employees, if business increases. Employees arrive at the property at approximately 7:30 a.m., go to work sites, and return to the property between 3:30 p.m. and 4:00 p.m. Employees unload equipment and materials and leave between 4:30 p.m. and 5:00 p.m. The business operates on Monday through Fridays with an occasional Saturday.

Business equipment presently consists of two (2) bucket trucks, two (2) wood chippers, two (2) one (1) ton pickup trucks, two (2) utility trailers, two (2) spare pick-up trucks, and one (1) wheel leader tractor. When not in operation, the Petitioners plan to house vehicles and equipment inside the proposed approximately nine thousand six hundred (9,600) square foot building. Mulch and firewood piles would be placed on the gravel area as shown on the site plan and landscaping plan and would be piled a maximum twelve feet (12') in height. The Petitioners do not plan to store stone, brick, or rock at the property. Per the site plan, the gravel area is approximately ten point five (10.5) acres in size. If there is a motor vehicle or equipment related leak, the impacted gravel will be removed and replaced with clean gravel.

No retail services will be available at the property and retail customers will not be invited onto the property.

If approved, the Petitioners plan to start operations as quickly as possible.

One (1) approximately nine thousand six hundred (9,600) square foot building is proposed for the site in the location depicted on the site plan and landscaping plan. The building will look substantially like the provided rendering. The walls will be approximately sixteen feet (16') feet tall and the doors will be fourteen feet (14') in height. The peak of the building will be a maximum twenty-four feet (24').

Any structures related to the landscaping business would be required to obtain applicable building permits.

No well or septic system presently exists on the property. No other utilities are located on the property.

One (1) ten foot by ten foot (10' X 10') dumpster enclosure was shown on the site plan and landscaping plan east of the vehicle parking area.

The property drains to the south.

There is one (1) wetland located near the northwest corner of the property.

The site plan and landscaping plan show a proposed seventy-three thousand, nine hundred eighty-four (73,984) square foot wet bottom pond. At the deepest point, the pond will be sixteen feet (16') deep. The stormwater plan information was provided.

WBK Engineering submitted comments on the proposal. This letter was provided. These comments will have to be addressed prior to the issuance of a stormwater management permit.

Per the site plan and landscaping plan, the Petitioners plan to install one (1) thirty foot (30') wide gravel driveway. The driveway will be approximately forty-eight feet (48') from the western property line.

According to site plan and landscaping plan, the Petitioners plan to install two (2) parking areas. One (1) parking area is planned south of the building and the other parking area is planned west of the building. The total number of parking spaces is twenty-one (21) including one (1) handicapped accessible parking space.

Three (3) pipeline easements exist on the property.

No existing lighting is located on the property.

At the time of the ZPAC meeting and Seward Township Planning Commission meeting, the Petitioners had not submitted a lighting plan. The lighting plan shows one (1) free standing light near the south parking lot and six (6) lights on the building. Based on the photometrics provided, no light would cross the property lines. The lighting plan was provided.

Per Section 11:02.F.12.e, of the Kendall County Zoning Ordinance, the maximum height for the freestanding light is twenty feet (20').

According to the site plan and landscaping plan, one (1) non-illuminated sign is proposed between the gravel driveway and the western property line. No information was provided regarding sign dimensions or height. Per Section 12:08.A. of the Kendall County Zoning Ordinance, the total maximum allowable signage is thirty-two (32) square feet of gross surface area.

No security information was provided.

The landscaping plan shows one hundred fifty (150) white pines along the perimeter of the property. The white pines will be three (3') feet at the time of planting and will grow to between fifty feet (50') and eighty feet (80'). Ten (10) deciduous trees are planned along the perimeter of the pond. The trees will be one and one half inches (1.5") at the time of planting. The landscaping plan also calls for a seed mix of Kentucky blue grass and turf type perennial grass around the pond and along the gravel driveway. Vegetation will be installed after the gravel and pond are installed.

The portion of the property not used for storage, building, driveway, or the pond will remain farmed. Most of the property will be farmed in 2022, which will delay the installation of the landscaping until 2023.

No information was provided regarding noise control.

No new odors are foreseen by the proposed use.

If approved, this would be the nineteenth (19th) special use permit for a landscaping business in unincorporated Kendall County.

The proposed Findings of Fact were as follows:

That the establishment, maintenance, or operation of the special use will not be detrimental to or endanger the public health, safety, morals, comfort, or general welfare. Provided the site is developed in accordance with the submitted site plan and landscaping plan, the operation of the special use will not be detrimental to the public health, safety, morals, comfort, or general welfare. Conditions may be placed in the special use permit ordinance to address hours of operation.

That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood. The Zoning classification of property within the general area of the property in question shall be considered in determining consistency with this standard. The proposed use shall make adequate provisions for appropriate buffers, landscaping, fencing, lighting, building materials, open space and other improvements necessary to insure that the proposed use does not adversely impact adjacent uses and is compatible with the surrounding area and/or the County as a whole. Appropriate restrictions may be placed in the special use permit to regulate the number of employees, hours of operation, site landscaping, lighting, and noise. Therefore, the neighboring property owners should not suffer loss in property values and the use will not negatively impact the adjacent land uses.

That adequate utilities, access roads and points of ingress and egress, drainage, and/or other necessary facilities have been or are being provided. If a stormwater management permit is issued based on the submitted materials, drainage should not be an issue. If the Illinois Department of Transportation approves the access, ingress and egress should not be an issue. Utilities will need to be extended and/or installed on the property.

That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the County Board pursuant to the recommendation of the Zoning Board of Appeals. This is true. No variances are required.

That the special use is consistent with the purpose and objectives of the Land Resource Management Plan and other adopted County or municipal plans and policies. True, the proposed use is consistent with an objective

found on Page 9-21 of the Kendall County Land Resource Management Plan which calls for “a strong base of agricultural, commercial and industrial uses that provide a broad range of job opportunities, a healthy tax base, and improved quality of services to County residents”. Also, the Kendall County Future Land Use Map and the Village of Shorewood’s Future Land Use Map call for commercial uses near the intersection of Route 52 and Arbeiter Road.

Staff recommended approval of the special use permit for a landscaping business subject to the following conditions and restrictions:

1. The site shall be developed substantially in accordance with the submitted site plan, landscaping plan, and lighting plan **(amended after ZPAC)**.
2. The gravel area shown on the submitted site plan and landscaping plan shall not exceed ten point five (10.5) acres in size. The owners of the business allowed by this special use permit may reduce the amount of acreage covered by gravel.
3. The owners of the businesses allowed by this special use permit shall diligently monitor the property for leaks from equipment and vehicles parked and stored and items stored on the subject property and shall promptly clean up the site if leaks occur.
4. One (1) approximately nine thousand six hundred (9,600) square foot building may be installed on the subject property in substantially the location shown on the site plan. The building shall look substantially like the building depicted in the submitted rendering. The maximum height of the building shall be twenty-four feet (24’).
5. Any new structures constructed or installed related to the business allowed by this special use permit on the property shall not be considered for agricultural purposes and must secure applicable building permits.
6. No business operations may commence at the subject property until an occupancy permit is issued for the building shown on the submitted site plan. No business operations may commence at the subject property until the parking stalls, dumpster enclosure, and wet bottom pond shown on the submitted site plan are installed. Business operations may commence at the subject property prior to the installation of vegetation shown on the submitted landscaping plan.
7. Equipment and vehicles related to the business allowed by the special use permit may be stored outdoors at the subject property during the hours the business is open and shall be stored indoors during non-business hours.
8. None of the vehicles or equipment parked or stored on the subject property related to the business allowed by the special use permit shall be considered agricultural vehicles or agricultural equipment.
9. All of the vehicles and equipment stored on the subject property related to the business allowed by the special use permit shall be maintained in good condition with no deflated tires and shall be licensed if required by law.
10. All landscape related materials shall be stored indoors or on the gravel area depicted on the site plan. The maximum height of the piles of landscaping related material shall be twelve feet (12’) in height, unless otherwise restricted by a stormwater management permit. Stone, brick, and rock shall not be stored outdoors.
11. The size and depth of the wet bottom pond shall be governed by the stormwater management permit issued for the subject property.

12. One (1) two (2) sided non-illuminated sign may be installed on the location depicted on the submitted site plan.
13. At least two (2) no smoking signs shall be installed near the piles of landscaping related materials. **(added after ZPAC)**
14. One hundred fifty (150) white pines shall be installed in substantially the locations shown on the submitted landscaping plan. The white pines shall be a minimum of three feet (3') in height at the time of planting. The white pines shall be installed by June 30, 2023. Damaged or dead white pines shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the white pines.
15. Ten (10) deciduous trees shall be installed in substantially the locations shown on the submitted landscaping plan. The deciduous trees shall be a minimum one point five inches (1.5") in diameter at the time of planting. The deciduous trees shall be installed by June 30, 2023. Damaged or dead deciduous trees shall be replaced on a timeframe approved by the Kendall County Planning, Building and Zoning Department. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the deciduous trees.
16. The seed mix called for in the submitted landscaping plan shall be installed by June 30, 2023. The Kendall County Planning, Building and Zoning Committee may grant an extension to the deadline to install the seed mix.
17. No landscape waste generated off the property can be burned on the subject property.
18. A maximum of twenty (20) employees of the business allowed by this special use permit, including the owners of the business allowed by this special use permit, may report to this site for work. No employees shall engage in the sale of landscaping related materials on the property.
19. No retail customers of the business allowed by this special use permit shall be invited onto the property by anyone associated with the use allowed by this special use permit.
20. The hours of operation of the business allowed by this special use permit shall be Monday through Saturday from 7:30 a.m. until 5:00 p.m. The owners of the business allowed by this special use permit may reduce these hours of operation.
21. The noise regulations are as follows:

Day Hours: No person shall cause or allow the emission of sound during daytime hours (7:00 A.M. to 10:00 P.M.) from any noise source to any receiving residential land which exceeds sixty-five (65) dBA when measured at any point within such receiving residential land, provided; however, that point of measurement shall be on the property line of the complainant.

Night Hours: No person shall cause or allow the emission of sound during nighttime hours (10:00 P.M. to 7:00 A.M.) from any noise source to any receiving residential land which exceeds fifty-five (55) dBA when measured at any point within such receiving residential land provided; however, that point of measurement shall be on the property line of the complainant.

EXEMPTION: Powered Equipment: Powered equipment, such as lawn mowers, small lawn and garden tools, riding tractors, and snow removal equipment which is necessary for the maintenance of property is exempted from the noise regulations between the hours of seven o'clock (7:00) A.M. and ten o'clock (10:00) P.M.

22. At least one (1) functioning fire extinguisher and one (1) first aid kit shall be on the subject property. Applicable signage stating the location of the fire extinguisher and first aid kit shall be placed on the subject property.
23. One dry hydrant shall be placed on the property **(added after ZPAC)**.
24. The maximum height of the light pole shown in the lighting plan shall be twenty feet (20') **(added after ZPAC)**.
25. The owners of the business allowed by this special use permit acknowledge and agree to follow Kendall County's Right to Farm Clause.
26. The property owner and operator of the business allowed by this special use permit shall follow all applicable Federal, State, and Local laws related to the operation of this type of business.
27. Failure to comply with one or more of the above conditions or restrictions could result in the amendment or revocation of the special use permit.
28. If one or more of the above conditions is declared invalid by a court of competent jurisdiction, the remaining conditions shall remain valid.
29. This special use permit shall be treated as a covenant running with the land and is binding on the successors, heirs, and assigns as to the same special use conducted on the property.

Chairman Ashton asked if the Minooka Fire Protection District wanted just an alarm system or if the request was to have the building sprinklered. Mr. Asselmeier responded just an alarm system.

Member Wilson asked how the Petitioners were going to manage the mulch pile and if mulch would be sold. Jeremy Dippold, Petitioner, said the mulch would be installed on off-site locations. They would have several small piles. The maximum height of the mulch piles would be twelve feet (12') because of the company's equipment.

Member Casey asked where the business was currently located. Mr. Dippold responded Renwick Road and Interstate 55. Mr. Dippold said the proposed location would look better than the existing location because no inside storage exists at their current location.

Mr. Dippold wanted the business setback from the neighbors and Route 52.

Member Casey asked about possible expansion. Mr. Asselmeier said, if the Petitioners expanded into the farmland beyond the area identified on the site plan, an amendment to the special use permit would be required.

Discussion occurred regarding the access point off of Arbeiter Road. The access would remain to allow a farmer to get their equipment into the field. Based on the plans, it appeared difficult for a farmer to get equipment to north portion of the property using the access off of Route 52. Equipment could be driven through the parking lot. The current owner would continue to farm the property after the Dippolds acquire the property.

Joe Frescura requested that the proposal be denied for the following reasons:

1. The business has no noise control plan; wood chippers would exceed the noise requirements in the proposed special use permit. He provided pictures of the height of mulch piles at the business' current location. The trees proposed on the site plan will not reach full height for ten (10) years and will not provide a full noise buffer until that time.
2. The dyed mulch will jeopardize local wells, waterways, and wetlands.
3. Inclusion of access to Arbeiter Road; he would like to see the access point removed. He also discussed burning at other landscaping businesses.
4. There are several containers at the Petitioners' current operating location. He was concerned about the placement of the containers turning the area into an industrial park and cause a decrease in property values in the area.
5. He noted that five (5) landscaping business have special use permits in Seward Township. These existing special uses are not located near homes like the proposed special use.
6. He expressed concerns regarding the soils to support a septic system.
7. He expressed concerns regarding burning on the property and the possible inter-mingling of onsite and offsite generated materials in a burn pile.
8. He noted that the LESA Score was 210. He argued the property should be retained for farming.

Mr. Dippold said chippers would not be used onsite; they would be at customers' homes. He explained the mulch dyeing process; the dyed mulch is not hazardous. He did not want burning on the property. He has three (3) containers which are used for storage; the containers would be replaced with the building. He was agreeable to a condition not allowing shipping containers on the property. He did not anticipate operating at the site until July 2023. He has no interest in using Arbeiter Road to access the property for the business.

The wet bottom pond is for stormwater only.

Member Rodriguez asked about having stone holding areas. Mr. Dippold explained why he did not want holding areas.

Anne Vickery noted this proposal would be the sixth (6th) landscaping special use in Seward Township. She asked if anyone on the Board would like to live next to this type of use. She also noted that the property was planned to be residential. She asked who would enforce the regulations; she noted the burning at another landscaping business.

Member Nelson expressed concerns about restricting containers in relation to agricultural uses.

Robert Delaney said the area was a residential area and should remain a residential area. He questioned the need to have a large amount of acreage used for the proposed use.

Pat Frescura said that she has lived in the area for over fifty (50) years. She noted the time, investment, and pride in her property. She was against having the proposed use near her property. She wanted to keep the land as farmland. She said that she was unaware of the Seward Township Planning Commission's meeting.

Jim Martin, Seward Township Trustee, said the Seward Township Planning Commission did not forward a recommendation to the Township Board. The Township Board did not vote on this proposal.

Tim O'Brien, Seward Township Supervisor, said the Seward Township Planning Commission did not forward a recommendation to the Township Board.

Commissioners reviewed the Future Land Use Map for the area. Discussion also occurred regarding the KCRPC Meeting Minutes 05.25.22

number of houses that could be placed on the property. The estimate was forty (40) houses could be placed on the property with access for the subdivision from both Route 52 and Arbeiter Road. It was noted that the proposal would preserve agricultural uses on the majority of the property.

Dave Shively asked what A-1 meant. A-1 means agricultural. He discussed the repaving of Arbeiter Road. He asked about enforcement of burning regulations. Mr. Asselmeier explained that burning items brought onto the property was against State law. Mr. Shively favored keeping the property in farming. He favored a housing development instead of the proposed use. Member Wilson favored having the proposal over houses.

It was noted that a house exists between Pat Frescura's property and the proposed use.

Tony Guzman said that he bought his property because it was a residential area. He would like to see the property become a park. He likes the wildlife in the area. He felt the use was an industrial use.

Mr. Dippold asked if his proposal was any different than a farmer building grain bins with related noise and odors.

Logs are cut on the customers' properties and stored on the property. Mr. Dippold sells the logs.

Mr. Dippold noted that he was pursuing the zoning on the property the correct way.

Kim Larkin said that she did not want to look at this use in her backyard. She said that mulch has an odor. Discussion occurred regarding the smell of mulch. She expressed concerns about diminished property values.

Steve Papaeliou expressed his opposition to the containers on the property. He also said that the farmer damaged his fence. Chairman Ashton questioned the connection to Mr. Fecht's actions and the proposal.

Mr. O'Brien requested the proposal be tabled proposal and sent back to Seward Township. Member Wilson wanted to know the opinion of the Township Board. Member Nelson noted the Petitioners followed the proper procedures to get to this point. Mr. Dippold opposed tabling the proposal because Mr. Fecht wants to close on the property quickly.

Member Nelson did not see much of a difference between the proposal and farming uses.

Member Wormley noted that a subdivision could be placed on the property at some point in the future, even if the special use permit was approved. He thought the proposal was a good proposal compared to other uses that could go on the property.

Member Hamman made a motion, seconded by Member Wormley, to approve the requested special use permit.

Member Wilson made a motion, seconded by Member Nelson, to add a condition stating that no storage containers would be allowed onsite. The Petitioners had no objections to the amendment. Members Hamman and Wormley had no objections to the amendment.

It was noted that the residents in the area do not favor the proposal.

Member Wilson noted the issues related to the Seward Township Board and lack of transparency in Seward Township.

The Seward Township Board may have a special meeting on this proposal prior to the May 31st zoning hearing.

The votes on the amendment were as follows:

Ayes (7): Ashton, Hamman, McCarthy-Lange, Nelson, Rodriguez, Wilson, and Wormley
Nays (1): Casey
Absent (1): Stewart
Abstain (0): None

The motion carried.

The votes on the original motion as amended were as follows:

Ayes (7): Ashton, Hamman, McCarthy-Lange, Nelson, Rodriguez, Wilson, and Wormley
Nays (1): Casey
Absent (1): Stewart
Abstain (0): None

The motion carried.

The proposal will go to the Kendall County Zoning Board of Appeals on May 31, 2022.

CITIZENS TO BE HEARD/PUBLIC COMMENT

None

NEW BUSINESS

Recommendation on a Proposal from Teska Associates, Inc. to Update the Kendall County Land Resource Management Plan in Its Entirety

Commissioners reviewed the proposal and it was noted that the Comprehensive Land Plan and Ordinance Committee recommended approval of the proposal.

Member Nelson discussed the law governing review and approval of special use permits. Discussion occurred regarding the court ordering special use permits and the potential issuance of special use permits without conditions.

Member Wilson requested clarification on the clusters. The clusters would be the eastern three (3) townships combined, the middle three (3) townships combined, and the final cluster would be the western three (3) townships combined. The Commission favored starting with the eastern three (3) townships.

Suzanne Casey offered to give materials from her work on the Seward Township Plan to Teska.

Member Nelson made a motion, seconded by Member Wormley, to recommend approval of the proposal to the County Board.

The votes were as follows:

Ayes (8): Ashton, Casey, Hamman, McCarthy-Lange, Nelson, Rodriguez, Wilson, and Wormley
Nays (0): None
Absent (1): Stewart
Abstain (0): None

The motion carried.

The County Board will be notified of the recommendation.

Discussion of Oswego Township Junk and Debris Ordinance and Recreational Vehicle and Trailer Parking Ordinance

Commissioners reviewed the ordinances.

Member Nelson had concerns regarding a lack of agricultural exemptions.

OLD BUSINESS

None

REVIEW OF PETITIONS THAT WENT TO COUNTY BOARD

Mr. Asselmeier reported that Petition 22-09 was approved by the County Board.

OTHER BUSINESS/ANNOUNCEMENTS

Mr. Asselmeier reported that the special use permit at 1038 Harvey Road, text amendment to the lighting rules for telecommunication tower facilities and a special use permit for a Lisbon Township garage on Route 47 will be on the Commission's June agenda.

ADJOURNMENT

Member McCarthy-Lange made a motion, seconded by Member Wilson, to adjourn. With a voice of eight (8) ayes, the motion carried.

The Kendall County Regional Planning Commission meeting adjourned at 9:08 p.m.

Respectfully submitted by,
Matthew H. Asselmeier, AICP, CFM
Senior Planner

Enc.

**KENDALL COUNTY
REGIONAL PLANNING COMMISSION**

MAY 25, 2022

STEVE PAPAELIO

IF YOU WOULD LIKE TO BE CONTACTED ON FUTURE
MEETINGS REGARDING THIS TOPIC, PLEASE PROVIDE YOUR
ADDRESS OR EMAIL ADDRESS

NAME	ADDRESS (OPTIONAL)	EMAIL ADDRESS (OPTIONAL)
<i>Jim Buin</i>		
<i>Joe FRESCURA</i>		
<i>Jeremy Dippold</i>		
<i>Ann Vachy</i>		
<i>Robert J. J.</i>		
<i>Pat Zoscur</i>		
<i>Jim Martin</i>		
<i>DAVE Sullivan</i>		

TONY Gorman

Kim Carlin