LAKE COUNTY ZONING BOARD OF APPEALS

CONDITIONAL USE PERMIT APPLICATION

Applicant(s): (please print) Owner(s) Chicago Land Trust

Subject Property:

Present Zoning:
Present Use: Proposed Use: AG
Agricultural
Solar Energy
10-14-100-004 System, Commercial

PIN(s): 29650 N IL

Address: Rte 83, Mundelein,

description: Legal

X see deed)

Request: I/we request a conditional use permit be approved to allow:

See next page.

Explain why this conditional use permit is justified:

See next page.

permit be approved to allow: Pursuant to Section 151.050 of the Lake County Zoning Ordinance, we request a conditional use

overall parcel. of approximately 28 acres at 29650 N IL Route 83. The project intends to develop 21.64 acres of the accordance with Section 151 of the Lake County Zoning Ordinance on an existing farmland parcel approximately 5MW (AC) ground-mounted distributed generation community solar facility in RPIL Solar 2, LLC is requesting approval for a Conditional Use Permit to allow development of an

Explain why this conditional use permit is justified:

solar energy. The benefits to Lake County residents include: the utility applies credits to the subscriber's bill based on the share of electricity produced by the solar photovoltaic system and receive benefits for this participation. The concept allows more people access project. The program reduces what the consumer pays to the utility and allows more people to access to solar energy such as those who rent or lack the space to install solar on their property. Each month The Community Solar concept allows customers to subscribe to a part of a larger, offsite shared solar

- Local access to locally sourced renewable electricity
- Investment and upgrades to the local distribution grid
- Construction period jobs and economic investment
- Lower electric bills for subscribers



Commercial Solar Energy Systems Approval Criteria:

a locking mechanism, and be subject to the fence regulations of Lake County Code Section 151.113(L)(1). The maximum height of fences surrounding commercial solar energy systems shall be access to the public. Such fencing shall, at a minimum, encompass the entire system's facility, contain 1. Fencing. Commercial solar energy systems shall be enclosed with an approved fence that restricts

fence with a height of seven (7) feet. "Route 83 Solar" Proposed Ground-Mounted Community Solar Farm will be enclosed with an approved

point of the solar arrays when the solar energy facility's arrays are at full tilt. 2. Height. The total height of the panels shall not exceed 20 feet, as measured from grade to the highest

exceed 20 feet. The panels' total height at "Route 83 Solar" Proposed Ground-Mounted Community Solar Farm will not

owner(s) of each affected nonparticipating property principal structure in the underlying zoning district or be waived by the written consent of the 3. Location and setbacks. Commercial solar energy systems must meet the setback requirements for a

standards is applied for as part of this application. The project has been designed to comply with all setback requirements. No waiver or variance to such

and provide testimony supporting the calculation of costs provided in said plan during the public submit a decommissioning plan with cost estimation to the County as part of the siting application hearing on the application. 4. Decommissioning plan and assurances. Applicant (or owner, if different from applicant) must

testimony in support of the calculated costs will be provided by a licensed engineer who is qualified to conduct such analysis. A Decommissioning Plan has been submitted as part of the siting application. During the public hearing,



WARRANTY DEED

in the following described Real Estate situated in the County of of 136 Commercial Ave. Wood Dale, Illinois all interest (\$10.00) and other good and valuable consideration, in hand paid, CONVEYS AND WARRANTS to Research Corporation for and in consideration of TEN AND NO/100's DOLLARS not remarried, of 276 Wilmette Ct. Schaumburg, Illinois, Lake, State of Illinois to wit: THE GRANTOR, Alvis Kaczmarek, divorced and

At 11
Receipt #:
Doc/Type:
Deputy Filed for Record in: LAKE COUNTY IL MARY ELLEN VANDERVENTER - RECORDER On Dec 17 2001 Cashier #4 1:14am Record in 4825006 322054

Meridian, in Lake County, Illinois
Parcel 2: Easement for the benefit of Parcel 1 for ingress and egress to in section 14, Township 44 North, Range 10, east of the Third Principal except the east 1419.55 feet and except also the north 250 feet of the south 514.83 feet of the west 225 feet of the east 1644.55 feet thereof), Parcel 1: The south % of the northwest % (except the Bouth 264.83

reserved in the deed from Conservation Corporation to Harold F. Kufeldt W of section 14 aforesaid the highway with the privilege of building and maintaining a roadway over the north 30 feet of the south 264.83 feet of the south ½ of the northwest September 24, dated June 18, 1954 and September 19, County, Illinois 1955, as documents 831959 and 882662, respectively, in lying west of the center line of Route 83 as 1955 and recorded July 29,

60/94

SUBJECT TO: General real estate taxes accrued, but not yet payable at the time of closing, special assessments confirmed after this Contract dated May 11, 2001; building set-back lines and use or occupancy restrictions; covenants, conditions and restrictions of record provided they are not violated nor contain a reverter or the right of re-entry; zoning laws and ordinances; exements for public utilities, provided they do not under lie existing improvements except tences and portable sheds; drainage ditches, feeders, laterals and drain tile, pipe or other conduit.

DATED: this 8th day of June, 2001 Permanent Index No: Permanent Index No: 10-14-100-000 004
Address of Real Estate: 29650 N. Hwy. 83, Mundelein, Illinois 60060 TO HAVE AND TO HOLD said premises forever. ALVIS KACZMAREK STEWART TITLE COMPANY OF ILLINOIS
1515 E. WOODFIELD ROAD SCHAUMBURG, IL 60 SUITE 102

CERTIFY that Alvis Kaczmarek, personally known to me to be the said County, in the State aforesaid, DO HEREBY the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and official

This instrument was prepared by: Attorney Charles J. Pesek, 5 North Third St. Geneva, Illinois 60134.

SEND SUBSEQUENT TAX BILLS TO:

SEN Buyer,

MAIL TO: HALLS SMOK

AFFIDAVIT - METES AND BOUNDS

STATE OF ILLINOIS COUNTY OF DU PAGE SS

AFFIDAVIT - METES AND BOUNDS

| That the attached deed is not in violation of Section 205/1 of Chapter 765 of the Illinois Compiled Statutes for one of the | states that he/she resides at | Thue concer |
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The division or subdivision of land is into parcels or tracts of five acres or more in size which does not involve any new streets or easements of access.

following reasons:

- streets or easements of access. The division is of lots or blocks of less than one acre in any recorded subdivision which does not involve any new
- 3. The sale or exchange of parcels of land is between owners of adjoining and contiguous land
- 4. The conveyance is of parcels of land or interests therein for use as right of way for railroads or other public utility facilities, which does not involve any new streets or easements of access.
- Ņ The conveyance is of land owned by a railroad or other public utility which does not involve any new streets or easements
- Ò The conveyance is of land for highway or other public purposes or grants of conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use
- 7. The conveyance is made to correct descriptions in prior conveyances.
- The sale or exchange is of parcels or tracts of land following the division into no more than two parts of a particular parcel or tract of land existing on July 17, 1959 and not involving ant new streets or easements of access.
- 9. The sale is of a single lot of less than five acres from a larger tract, the dimensions and configurations of said larger sale, prior to this sale, or any lot or lots from said larger tract having taken place since October 1, 1973 and a survey tract having been determined by the dimensions and configuration of said larger tract on October 1, 1973, and no of said single lot having been made by a registered land surveyor.
- 10. The conveyance is of land described in the same manner as title was taken by grantor(s)

THE APPLICABLE STATEMENT OR STATEMENTS ABOVE ARE CIRCLED

State of Illinois, to accept the attached deed for recording. AFFIANT further states that he/she makes this affidavit for the purpose of inducing the Recorder of DuPage County, SUBSCRIBED AND SWORN TO before me

this 304 day of August 1900/ 4825006

(Rev. 12/94)

4 487 200 J 100 CI EN

Individual/Corporate Trustee's Deed

the State of Illinois, not personally, but solely as Trustee under the provisions of a Deed or SAVINGS BANK, an Illinois banking corporation, organized and existing under the laws of the State of Illinois, and duly Deeds in Trust duly recorded and delivered to said Bank in pursuance of a certain Trust Agreement dated 8th day of March, 1991, THIS INDENTURE made this 31st day of May, 2001, between HARRIS TRUST AND SAVINGS BANK, an Illinois banking authorized to accept and execute trusts within

We worth 12-17-3-101

Filed for Record in:
LAKE COUNTY, IL
HARY ELLEN VANDERVENTER - RECORDER
On Dec 17 2001
At 11:14am

Receipt #11
Doc/Type 1
Deputy 1 Cashier #4

and known as Trust Number 13199, Grantor and ALVIS KACZMAREK, DIVORCED AND NOT REMARKIED Grantee.

Grantees Address: 276 WILMETTE CT., SCHAUMBURG, ILLINOIS 60193

WITNESSETH, that said Granter, in consideration of the sum of Ten Dollars and other good and valuable considerations in hand paid of does hereby convey and quit-claim unto said Grantee, the following described real estate situated in Lake County, Illinois, to wit:

PARCEL 1:
THE SOUTH 1/2 OF THE NORTHWEST 1/4 (EXCEPT THE SOUTH 264.83 FEET AND EXCEPT THE BAST 1419.55 FEET
AND EXCEPT THE NORTH 250.00 FEET OF THE SOUTH 514.83 FOOT OF THE WEST 225.00 OF THE BAST 1644.5
FEET THEREOF) IN SECTION 14, TOWNSHIP, 44 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN IN LAKE COUNTY, ILLINOIS.

PARCEL 2: See Attached Exhibit A

hoom-utage

10-14-100-004

STEWART TITLE COMPANY OF ILLINOIS
1515 E. WOODFJELD ROAD SUITE 102

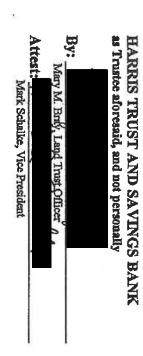
party of the second part. Permanent Index No. 48-14-900-048-000 10-14-100-007 SCHAUMBURG, IL 60173
Together with the tenements and appartenances thereunto belonging.
TO HAVE AND TO HOLD THE same unto said party of the second part, and to the proper use, benefit and behoof forever of said

SUBJECT TO: The liens of all trust deeds and/or mortgages upon said real estate, if any, recorded or registered in said county given to secure the payment of money remaining unreleased at the date of the delivery hereof, to all real estate taxes due or to become due and all conditions, covenants and restrictions or record.

This deed is executed by the party of the first part, as Trustee, as aforesaid, pursuant to and in the exercise of the power and authority granted to and vested in it by the terms of said Deed or Deeds in Trust and the provisions of said Trust Agreement above mentioned, and of every other power and authority thereunto enabling.

signed to these presents by one of its officers and attested by another of its officers, the day and year first above written IN WITNESS WHEREOF, said party of the first part has caused its corporate seal to be hereto affixed, and has caused its name to be





Form 2800 - K1/01 TRUSTER'S DEED.doc

COUNTY OF COOK

SS

STATE OF ILLINOIS

I, the undersigned, a Notary Public in and for the said County and State aforesaid, DO HEREBY CERTIFY that

Mary M. Bray, Land Trust Officer of HARRIS TRUST AND SAVINGS BANK and

Mark Schalke, Vice President

therein set forth and the said Vice President of said bank did also then and there acknowledge that he/she as custodian of the corporate seal of said bank did affix the said corporate seal of said bank to said instrument as his/her own free and voluntary act and as the free officers of said bank respectively, appeared before me this day in person and acknowledged that they signed and delivered the said of said bank, personally known to me to be the same persons, whose names are subscribed to the foregoing instrument as such instrument as their own free and voluntary acts, and as the free and voluntary act of said bank, as Trustee for the uses and purposes, and voluntary act of said bank, as Trustee for the uses and purposes therein set forth

ß rn under my hand and Notarial seal this 31st day of May, 2001 Notary Seal

This instrument prepared by:

Kristin A. Stams HARRIS TRUST AND SAVINGS BANK

Tax runto HOMELS BrOK

VACANT LANE, RT 83, IVANHOE, ILLINOIS

ADDRESS OF PROPERTY

TAX MAILING ADDRESS

4825007

EXHIBIT A

Parcel 2: Easement for the benefit of Parcel 1 for ingress and egress to the highway with the privilege of building and maintaining a roadway over the north 30 feet of the south 264.83 feet of the South 1/2 of the Northwest 1/4 of Section 14 aforesaid lying West of the center line of Route 83 as reserved in the deed from Conservation Corporation to Harold F. Kufeldt, et al., dated June 18, 1954 and September 19, 1955 and recorded July 29, 1954 and September 24, 1955, as Documents 831959 and 882662, respectively, in Lake County, Illinois.

AFFIDAVIT - METES AND BOUNDS

STATE OF ILLINOIS) SS.

AFFIDAVIT — METES AND BOUNDS

That the attached deed is not in violation of Section 205/1 of Chapter 765 of the Illinois Compiled Statutes for one of the Hwy 83 Mundillery, being duly sworn on oath,

1. The division or subdivision of land is into parcels or tracts of five acres or more in size which does not involve any new streets or easements of access.

The division is of lots or blocks of less than one acre in any recorded subdivision which does not involve any new durents or easements of access.

- 3. The sale or exchange of parcels of land is between owners of adjoining and contiguous land.
- 4. The conveyance is of parcels of land or interests therein for use as right of way for railroads or other public utility facilities, which does not involve any new streets or easements of access.
- 5. The conveyance is of land owned by a railroad or other public utility which does not involve any new streets or easements
- 6. The conveyance is of land for highway or other public purposes or grants of conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use.
- 7. The conveyance is made to correct descriptions in prior conveyances.
- 8. The sale or exchange is of parcels or tracts of land following the division into no more than two parts of a particular parcel or tract of land existing on July 17, 1959 and not involving ant new streets or easements of access.
- 9. The sale is of a single lot of less than five acres from a larger tract, the dimensions and configurations of said larger sale, prior to this sale, or any lot or lots from said larger tract having taken place since October 1, 1973 and a survey tract having been determined by the dimensions and configuration of said larger tract on October 1, 1973, and no of said single lot having been made by a registered land surveyor.
- 10. The conveyance is of land described in the same manner as title was taken by grantor(s).

THE APPLICABLE STATEMENT OR STATEMENTS ABOVE ARE CIRCLED.

State of Illinois, to accept the attached deed for recording. AFFIANT further states that he/she makes this affidavit for the number of inducing the Recorder of DuPage County, SUBSCRIBED AND SWORN TO before me 1) ugas 4825007

J. P. "RICK" CARNEY, DU PAGE COUNTY RECORDER 421 N. COUNTY FARM ROAD, BOX 936, WHEATON, ILLINOIS 60189

(Rev. 12/94)

WARRANTY DEED

Real Estate situated in the County of Lake, State of Illinois to wit: Barrington, Illinois all interest in the following described to Harris Bank of Palatine Trust HTB 1017 of 325 Huff Rd consideration, in hand paid, CONVEYS AND WARRANTS NO/100's DOLLARS (\$10.00) and other good and valuable Illinois corporation for and in consideration of TEN AND THE GRANTOR, Research Corporation, an

Receipt #:
Dec/Type:
Deputy - (Filed for F LAKE COUNTY, MARY ELLEN V Cashier #4 1:1440 Record in: VANDERVENTER - RECORDER 17 2001 4825008

160/9× Lake County, Illinois and September reserved in the deed from Conservation Corporation to Harold F. al., dated June 18, 1954 and September 19, 1955 and recorded Ju Meridian, in Lake County, Illinois except the east 1419.55 feet and except also the north 250 feet of the south 514.83 feet of the west 225 feet of the east 1644.55 feet thereof in section 14, Township 44 North, Range 10, east of the Third Principal W of section 14 aforesaid lying west of the center the north 30 the highway with the privilege of building and maintaining a roadway over The south % of the northwest % (except the south 264.83 feet Easement for the benefit of Parcel 1 for ingress and egress to feet of the south 264.83 feet of the south % of the northwest 24, 1955, as documents 831959 and 882662, respectively, 1955 and recorded July 29, 1954 line of Route Kufeldt thereof), 83 ag and

SUBJECT TO: General real estate taxes accrued, but not yet payable at the time of closing, special assessments confirmed after this Contract dated May 11, 2001; building set-back lines and use or occupancy restrictions; coverants, conditions and restrictions of record provided they are not violated nor contain a reverter or the right of re-entry; zoning laws and ordinances; easements for public utilities, provided they do not underlic existing improvements except fences and portable sheds; drainage ditches, feeders, laterals and drain tile, pipe or other conduit.

Permanent Index No: 10-14-100-040 00 9 Illinois. TO HAVE AND TO HOLD said premises forever.

STEWART TITLE COMPANY OF ILLINOIS

1515 E WOODFIELD ROAD

Address of Real Estate: 29650 N. Hwy. 83, Mundelein, Illinois 60060

DATED: this 8th day of June, 2001

ARCH CORPORATION by ALVIS KACZMAREK PRES CAARCH CORPORATION MEHALINGUHO IL 60173

person whose name is subscribed to the foregoing instrument, appeared before me this day in person and CERTIFY that Alvis Kaczmarck, President of Research Corporation, personally known to me to be the same nd for the said County, in the State aforesaid, DO HEREBY

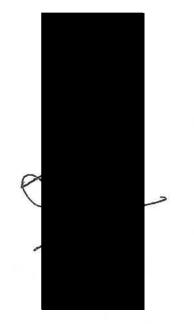
acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and official seal whis 2nd day of July

MAIL-TO: This instrument was prepared by: Attorney Charles J. Pesck, 5 North Third St. Geneva, Illinois 60134. SEND SUBSEQUENT TAX BILLS TO:

Haras Roson





STATE & COUNTY STATE OF ILLINOIS LAKE COUNTY DEC. 17.01 FP 103013 675.00

4825008

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AFFIDAVIT - METES AND BOUNDS

STATE OF ILLINOIS) SS.

AFFIDAVIT — METES AND BOUNDS

states that he/she resides at ON 1050 N AUNU That the attached deed is not in violation of Section 205/1 of Chapter 765 of the Illinois Compiled Statutes for one of the pack tongoing any WANTEROUS , being duly sworm on oath,

- The division or subdivision of land is into parcels or tracts of five acres or more in size which does not involve any new streets or easements of access.
- streets or easements of access. The division is of lots or blocks of less than one acre in any recorded subdivision which does not involve any new
- 3. The sale or exchange of parcels of land is between owners of adjoining and contiguous land
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- 8. The sale or exchange is of parcels or tracts of land following the division into no more than two parts of a particular parcel or tract of land existing on July 17, 1959 and not involving ant new streets or easements of access.
- 9. The sale is of a single lot of less than five acres from a larger tract, the dimensions and configurations of said larger sale, prior to this sale, or any lot or lots from said larger tract having taken place since October 1, 1973 and a survey of said single lot having been made by a registered land surveyor. tract having been determined by the dimensions and configuration of said larger tract on October 1, 1973, and no
- 10. The conveyance is of land described in the same manner as title was taken by grantor(s).

THE APPLICABLE STATEMENT OR STATEMENTS ABOVE ARE CIRCLED.

AFFIANT further states that he/she makes this affidavit for the purpose of inducing the Recorder of DuPage County,

State of Illinois, to accept the attached deed for recording SUBSCRIBED AND SWORN TO before me 3 OHA day of _ magnet Poport 4825008

J. P. "RICK" CARNEY, DU PAGE COUNTY RECORDER 421 N. COUNTY FARM ROAD, BOX 936, WHEATON, ILLINOIS 60189

(Rev. 12)94

LINE SUN 13-17-3001

4952417

WARRANTY DEED

NO/100's DOLLARS (\$10.00) and other good and valuable consideration, in hand paid, CONVEYS AND WARRANTS Barrington, Illinois all interest in the following described Real Estate situated in the County of Lake, State of Illinois to wit: to Harris Bank of Palatine Trust HTB 1017 of 325 Huff Rd. Illinois corporation for and in consideration of TEN AND THE GRANTOR, Research Corporation, an

Receipt #:
Doc/Type
Debuty MARY ELLEN VANDERVENTER
LAKE COUNTRY TO RECORDER
LAKE COUNTRY THE TO RECORDER
MARY ELLEN VANDERVENZER - RECORDER
At 11:14am FILED FOR RECORD BY: Cashier #4 322054 WD

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160/9x Lake al., except the east 1419.55 feet and except also the north 250 feet of the south 514.83 feet of the west 225 feet of the east 1644.55 feet thereof), in section 14, Township 44 North, Kange 10, east of the Third Principal Meridian, in Lake County, Illinois

Meridian, in Lake County, Illinois Parcel 1: and September 24, 1955, as documents 831959 and 882662, respectively, in W of section 14 aforesaid lying west of the center line of Rout reserved in the deed from Conservation Corporation to Harold F. the highway with the privilege of building and maintaining a roadway over the north 30 feet of the south 264.83 feet of the south % of the northwest dated June 18, 1954 and September 19, 1955 and recorded July 29, County, Illinois The south % of the northwest 以 (except the south 264.83 feet line of Route 83 as Kufeldt

SUBJECT TO: General real estate taxes accrued, but not yet payable at the time of closing, special assessments confirmed after this Contract dated May 11, 2001; building set-back lines and use or occupancy restrictions; covenants, conditions and restrictions of record provided they are not violated nor contain a reverter or the right of re-entry, zoning laws and ordinances; easements for public utilities, provided they do not underlie existing improvements except fences and portable shock; drainage ditches, feeders, laterals and drain tile, pipe or other conduit.

DATED Illinois. TO HAVE AND TO HOLD said premises forever, Address of Real Estate: 29650 N. Hwy. 83, Mundelein, Illinois 60060 Permanent Index No: 10-14-100-040 00

STEWART TITLE COMPANY OF ILLINOIS
1515 E. WOODFIELD ROAD

EST ARCH CORPORATION BY ALVIS KACZMAREK PRES

State

CERTIFY that Alvis Kaczmarek, President of Research Corporation, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and and purposes therein set forth. acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act, for the uses I, the undersigned, a notary public in and for the said County, in the State aforesaid, DO HEREBY

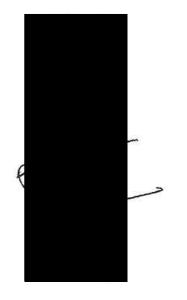
Given under my hand and official seal whis Low day of July

MAIL TO: This instrument was prepared by: Attorney Charles J. Pesek, 5 North Third St. Geneva, Illinois 60134 SEND SUBSEQUENT TAX BILLS TO:

Day.



4952417



STATE & COUNTY STATE OF ILLINOIS LAKE COUNTY DEC. 17.01

REAL ESTATE
TRANSFER TAX
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FP 103013 FP 103013

675.00 4

4825008 4952417

AFFIDAVIT -- METES AND BOUNDS

STATE OF ILLINOIS COUNTY OF DU PAGE)

AFFIDAVIT - METES AND BOUNDS

following reasons: That the attached deed is not in violation of Section 205/1 of Chapter 765 of the Illinois Compiled Statutes for one of the dectron pury my Amy NOSO 1 LANCOULLA LE OCOLO A

- 1. The division or subdivision of land is into parcels or tracts of five acres or more in size which does not involve any new streets or easements of access.
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THE APPLICABLE STATEMENT OR STATEMENTS ABOVE ARE CIRCLED.

AFFIANT further states that he/she makes this affidavit for the purpose of inducing the Recorder of DuPage County,

State of Illinois, to accept the attached deed for recording. SUBSCRIBED AND SWORN TO before me 30HM day of _ hughet Joseph T 4825008

J. P. "RICK" CARNEY, DU PAGE COUNTY RECORDER
421 N. COUNTY FARM ROAD, BOX 936, WHEATON, ILLINOIS 60189
425 A. COUNTY FARM ROAD, BOX 936, WHEATON, ILLINOIS 60189

(Rev. 12/94)



powers and authorities vested in said trustee; to donate, to dedicate, to martgage, pledge or otherwise ancumber said property, or any part thereof; to lease said property, or any part thereof, from time to time, in possession or reversion, by leases to commence in pressent or in futuro, and upon any terms and for any period or periods of time, not exceeding in the case of any single demise the term of 198 years, and to renew or extend leases upon any terms and for any period or periods of time and to single demise or modify leases and options to neces or extend eases upon any terms and for any period or periods of time and to and to grant options to lease and options to renew leases and options to purchase the whole or any part of the reversion and to and to grant options to lease and options to renew leases and options to purchase the whole or any part of the reversion and to contract respecting the manner of fixing the amount of present or future rentals; to partition or to exchange said property, or any part thereof, for other real or personal property, to grant easements or charges of any kind; to release, convey or assign any right, part thereof, for other real or personal property, to grant easements or charges of any kind; to release, convey or assign any right, part thereof, and to deal with said property and title or interest in an about or easement appurtenant to said premises or any part thereof; and to deal with said property and the same, whether similar to or different from the ways above specified, at any time or times hereafter. Full power and authority are hereby granted to said trustee to improve, manage, protect and subdivide said premises or any part thereof: to dedicate parts, streets, highways or alleys; to vacate any subdivision or part thereof, and to resubdivide said property as often as desired; to contact to sell; to grant options deplurchase; to sell on any terms; to convey said premites or any part thereof to a successor or successor or successor or successor in trust all of the title, estate

been complied with, or be obliged to inquire into the necessity or expediency of any act of said trustee, or be obliged or privileged to inquire into any of the terms of said trust and every deed, trust deed, mortgage, lease or other instrument executed by said trustee in relation to said real extate shall be conclusive evidence in favor of every person relying instrument claiming under any such conveyance, lease or other instrument, (a) that at the time of the delivery thereof the trust upon or claiming under any such conveyance, lease or other instrument, (a) that at the time and the delivery thereof the trust greement or was executed in accordance with the trusts, conditions and limitations contained in this indenture and in said trust agreement or was executed in accordance with the trusts, conditions and limitations contained in this trustee was duly authorized and in some amendment thereof and binding upon all beneficiaries berounder; (c) that said trustee was duly authorized and empowered to execute and deliver every such deed, it is deed, lease, mortgage or other instrument; and (d) if the conveyance is successor or successor in trust, that such successor in trust have been properly appointed and are fully exited with all the title, estate, rights, powers, authorities, durins and obligations of its, his or their predecessor in trust.

The interest of each and every beneficiary hereunder and of all persons claiming under them or any or them shall be only in the earnings, avails and proceeds arising from the sale or other disposition of said real estate, and such interest is hereby declared to be personal numbers.

Authorities to be refund in the real to a said trust have been properly appointed and are fully declared to be personal numbers.

Authorities to be refund to be refund to be refunded to the real trust.**

Authorities to be refunded to be refunded to be refunded to the real trust.**

Authorities to be refunded to be refunded to the real trust.**

Authorities to be refunded to In no case shall any part dealing with said trustee in relation to said premises, or to whom said premises or any part thereof shall be conveyed, contracted to be sold, leased or morrgaged by said trustee, be obligated to see to the application of any purchase money, rent or money borrowed or advanced on said premises, or be obliged to see that the terms of this trust have

declared to be personal property, and no beneficiary hereunder shall have any title or interest, legal or equitable, in or to said real extate as such, but only an interest in the earnings, avails and proceeds thereof as aforesaid.

Solely adding trust language. for the purpose of re-recording this deed for the purpose of

SCANNED AS PRESENT OOK GUALITY ORIGINAL

FOR THE PROTECTION OF THE OWNER
THIS RELEASE SHOULD BE FILED
WITH THE RECORDER OF DEEDS IN
WHOSE OFFICE THE INSTRUMENT WAS FILED.

FULL SATISFACTION

AND ASSIGNMENT OF RENTS AND RELEASE OF MORTGAGE

Loan No.

Bank & Trust of Hanover Park) a banking corporation existing under the laws of the State of Illinois (hereinafter referred to as the "Bank") for and in consideration of the payment of the indebtedness secured by the Mortgage hereinafter mentioned, and of the sum of one dollar, the receipt whereof is hereby acknowledged, does hereby REMISE, CONVEY, RELEASE and QUIT CLAIM unto KNOW ALL MEN BY THESE PRESENTS, that Charter Bank & Trust of Illinois, Hanover Park, Illinois, (formerly First State HARRIS BANK ROSELLE AS TRUSTEE UNDER TRUST DATED 3/8/91 AND KNOWN AS TRUST NO. 13199

SEE ATTACHED EXHIBIT A 3095200

COMMON ADDRESS: VACANT PROPERTY - ROUTE 83, IVANHOE, IL.

10-14-100-004

situate in the ILLINOIS , together with all the appurtenances and privileges thereunto below AILLINGE 9 IVANHOE , County of LAKU and State

IN WITNESS WHEREOF, the Bank has caused its corporate seal to be hereto affixed, and signed to these presents by its VICE PRESIDENT and attested by its Committee the day of ATIL , 19 ₉₃ . OFFICER ame to be

STATE OF ILLINOIS D PAUL A. CHRISTIAN, COMMERCIAL LOAN OFFICER Charter Bank & Trust of Illinois. CHRISTOPHER D. PIAZZI, VP DE WON IS BUT 1220 TO VIVE COUNTY IN THINGS TO WE COUNTY TO THE WORLD Hapover Park, Illinois JYIVE: 3433863

to me to be COUNTY OF COOK aforesaid, DO HEREBY CERTIFY THAT said banking corporation, and personally known to me to be the same persons whose names are subscribed to the fore-GITTA KESSLER PAUL A. CHRISTIAN VICE PRESIDENT Y THAT CHRISTOPHER D. PIAZZI
of Charter Bank & Trust of Illinois, Hanover Park, Illino
personally known to me to be the COMMERCIA the undersigned, a Notary Public in and COMMERCIAL LOAN OFFICER ing corporation, and personally known

SS.

and delivered the said instrument as such officers of said banking corporation and caused the corporate seal of said banking corporation to be affixed thereto, pursuant to authority given by the Board of Directors of said banking corporations of said banking corporations. and purposes therein set forth. tion, as their free and voluntary act, and as the free and voluntary act and deed of said banking corporation, for the uses going instrument, appeared before me this day in person and severally acknowledged that as such officers, they signed

GIVEN un DELIVER TO: Name City Recorder's Address. Oxfo Stepheene H CONG 13th NAME SHI CHARTER BANK & TRUST OF ILLINOIS 1400 IRVING PARK ROAD HANOVER PARK, ILLINOIS 60103 INCTOLINGUT WAS LOTS MULAR Notary Public 19 93 BEEARED BY:

Form # 10157

3433863

EXHIBIT A

PARCEL 1: THE SOUTH 1/2 OF THE NORTHWEST 1/4 (EXCEPT THE SOUTH 264.83 FEET AND EXCEPT THE EAST 1419.55 FEET AND EXCEPT ALSO THE NORTH 250 FEET OF THE SOUTH 514.83 FEET THE WEST 225 FEET OF THE EAST 1644.55 FEET THEREOF) IN SECTION 14, TOWNSHIP 44 NORTH, RANGE 10, EAST OF THE THIP PRINCIPAL MERIDIAN, IN LAKE COUNTY, ILLINIOS. THIRD 30

PARCEL 2: EASEMENT FOR THE BENEFIT AND EGRESS TO THE HIGHWAY WITH THI AND MAINTAINING A ROADWAY OVER THI SOUTH 264.83 FEET OF THE SOUTH 1/: SECTION 14 AFORESAID LYING WEST OF SECTION 14 AFORESAID LYING WEST OF SECTION 15 KUFELDT, ET AL, DATED JIED, 1955 AND RECORDED JULY 29, 1968 DOCUMENTS NUMBER 831959 AND 88 COUNTY, ILLINOIS. BENEFIT H THE PRIVILEGE OF BUILDING THE PRIVILEGE OF BUILDING THE NORTH 30 FEET OF THE THE NORTHWEST 1/4 OF THE CENTER LINE OF ROUTE OM CONSERVATION CORPORATION TO THE 18, 1954 AND SEPTEMBER 24, 1955, 1955, 1954 AND SEPTEMBER 24, 1955 AND SEPTEMBER 25, 1955 AND SEPTEMBER 24, 1955 AND SEPTEMBER 25, 1955 AND SEPTEMBER 25, 1955 AND SEPTEMBER 25,

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C/K/A VACANT PROPERTY- ROUTE 83. IVANHOE. IL. PIN 10-14-100-004



TRUST ACREEMENT

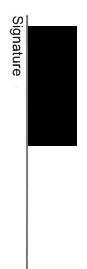


COURT REPORTER AGREEMENT

COURT REPORTER AGREEMENT

CHECK ONE OF THE FOLLOWING:

- \leq attorney's fees in bringing suit and obtaining a judgment. If the County sues to obtain reimbursement, I agree to pay the County its reasonable further agree to pay the Reporter reasonable fees for his/her services. If I do not pay the Reporter and the County is invoiced and pays the Reporter, I agree to reimburse the County. transcribe the public hearing and provide a transcript to the Zoning Board of Appeals. I I authorize the County to act on my behalf to retain a Certified Shorthand Reporter to
- transcript to the Zoning Board of Appeals. I realize that the failure to do so may result in the continuation of the public hearing in which case I agree to reimburse the County for all additional expenses caused by such continuation. I will furnish a Certified Shorthand Reporter to transcribe the public hearing and provide a



Billing Contact Information:

Print Name
Email
Phone Number

THIS SIGNED AGREEMENT MUST ACCOMPANY YOUR APPLICATION



PLAN SET



AIMA

STANDARD AGRICULTURAL IMPACT MITIGATION AGREEMENT between RPIL Solar 2, LLC

Pertaining to the Construction of a Commercial Solar Energy Facility **ILLINOIS DEPARTMENT OF AGRICULTURE** Lake and the 3 County, Illinois

energy companies to comprise this Agricultural Impact Mitigation Agreement (AIMA). Deconstruction of a Commercial Solar Energy Facility. They were developed with the cooperation of agricultural agencies, organizations, Landowners, Tenants, drainage contractors, and solar to help preserve the integrity of any Agricultural Land that is impacted by the Construction and Pursuant to the Renewable Energy Facilities Agricultural Impact Mitigation Act (505 ILCS 147), the following standards and policies are required by the Illinois Department of Agriculture (IDOA)

| such as solar panel arrays, racking systems, access roads, an onsite underground collection system, inverters and transformers and any affiliated electric transmission lines. This AIMA is |
|---|
|---|

If Construction does not commence within four years after this AIMA has been fully executed, this AIMA shall be revised, with the Facility Owner's input, to reflect the IDOA's most current Solar Farm Construction and Deconstruction Standards and Policies. This AIMA, and any updated AIMA, shall be filed with the County Board by the Facility Owner prior to the commencement of Construction.

activities occurring partially or wholly on privately owned agricultural land The below prescribed standards and policies are applicable to Construction and Deconstruction

Conditions of the AIMA

The mitigative actions specified in this AIMA shall be subject to the following conditions:

- **!**> requirements. However, the specifications outlined in this AIMA shall be the minimum standards applied to all Construction or Deconstruction activities. IDOA may utilize any legal All Construction or Deconstruction activities may be subject to County or other local means to enforce this AIMA.
- φ changes are negotiated in advance of the respective Construction or Deconstruction modification through negotiation by Landowners and the Facility Owner, provided such Except for Section 17. B. through F., all actions set forth in this AIMA are subject to
- O wish to perform themselves. In such instances, the Facility Owner shall offer Landowners The Facility Owner may negotiate with Landowners to carry out the actions that Landowners the area commercial rate for their machinery and labor costs.

Standard Solar AIMA V.8.19.19

- O repairs, and Deconstruction of the Facility referenced by this AIMA. All provisions of this AIMA shall apply to associated future Construction, maintenance,
- m their farming operations Construction and Deconstruction status, and other factors that may have an impact upon The Facility Owner shall keep the Landowners and Tenants informed of the Facility's
- וד environmental assessment and/or environmental impact statement. Facility Owner shall include a statement of its adherence to this AIMA in any
- **G** Agreement. In addition, this AIMA shall be incorporated into each Underlying Agreement. Not less than 30 days prior to the commencement of Construction, a copy of this AIMA shall be provided by the Facility Owner to each Landowner that is party to an Underlying Execution of this AIMA shall be made a condition of any Conditional/Special Use Permit
- I permits and approvals that are obtained by the Facility Owner for the Facility requirements of any applicable federal, state and local rules and regulations and other The Facility Owner shall implement all actions to the extent that they do not conflict with the
- = work which is being done or has been carried out on his/her property Facility Owner shall provide the Landowner(s) with a telephone number the Landowner can call to alert the Facility Owner should the Landowner(s) have questions or concerns with the No later than 45 days prior to the Construction and/or Deconstruction of a Facility, the
- ب requirements and the other terms of this AIMA shall apply to the new Facility Owner Department, the County, and to Landowners of such change. The Financial Assurance the Facility shall provide written notice within 90 days of ownership transfer, to the If there is a change in ownership of the Facility, the Facility Owner assuming ownership of
- ㅈ specifically including the worker protection standards to protect workers from pesticide The Facility Owner shall comply with all local, state and federal laws and regulations
- ŗ the IDOA with a list of all Landowners that are party to an Underlying Agreement and known Tenants of said Landowner who may be affected by the Facility. As the list of Landowners Within 30 days of execution of this AIMA, the Facility Owner shall use Best Efforts to provide Tenants is updated, the Facility Owner shall notify the IDOA of any additions or
- Z the unenforceable provision. by that holding, and the remainder of the AIMA shall be interpreted as if it did not contain If any provision of this AIMA is held to be unenforceable, no other provision shall be affected

Definitions

Abandonment

When Deconstruction has not been completed within 12 months after the Commercial Solar Energy Facility reaches the end of its useful life. For purposes of this definition, a Commercial Solar Energy Facility shall be presumed to have reached the end of its useful life if the Commercial Solar Energy Facility Owner fails, for a period of 6 consecutive months, to pay the Landowner amounts owed in accordance with an Underlying Agreement.

| Cropland | Construction | County | Commercial Solar Energy Facility Owner deemed (Facility Owner) | Commercial Solar Energy Facility (Facility) | Commercial Operation Date | Best Efforts | Agricultural Land | Agricultural Impact Mitigation Agreement (AIMA) | Aboveground Cable |
|--|---|---|---|--|---|---|---|--|---|
| Land used for growing row crops, small grains or hay; includes land which was formerly used as cropland, but is currently enrolled in a government conservation program; also includes pastureland that is classified as Prime Farmland. | The installation, preparation for installation and/or repair of a Facility. | The County or Counties where the Commercial Solar Energy Facility is located. | A person or entity that owns a commercial solar energy facility. A Commercial Solar Energy Facility Owner is not nor shall it be to be a public utility as defined in the Public Utilities Act. | A solar energy conversion facility equal to or greater than 500 kilowatts in total nameplate capacity, including a solar energy conversion facility seeking an extension of a permit to construct granted by a county or municipality before June 29, 2018. "Commercial solar energy facility" does not include a solar energy conversion facility: (1) for which a permit to construct has been issued before June 29, 2018; (2) that is located on land owned by the commercial solar energy facility owner; (3) that was constructed before June 29, 2018; or (4) that is located on the customer side of the customer's electric meter and is primarily used to offset that customer's electricity load and is limited in nameplate capacity to less than or equal to 2,000 kilowatts. | The calendar date of which the Facility Owner notifies the Landowner, County, and IDOA in writing that commercial operation of the facility has commenced. If the Facility Owner fails to provide such notifications, the Commercial Operation Date shall be the execution date of this AIMA plus 6 months. | Diligent, good faith, and commercially reasonable efforts to achieve a given objective or obligation. | Land used for Cropland, hayland, pastureland, managed woodlands, truck gardens, farmsteads, commercial ag-related facilities, feedlots, livestock confinement systems, land on which farm buildings are located, and land in government conservation programs used for purposes as set forth above. | The Agreement between the Facility Owner and the Illinois Department of Agriculture (IDOA) described herein. | Electrical power lines installed above ground surface to be utilized for conveyance of power from the solar panels to the solar facility inverter and/or point of interconnection to utility grid or customer electric meter. |

(SWCD) Underlying Agreement Conservation District Soil and Water **Professional Engineer** Topsoil Tenant Prime Farmland Landowner Financial Assurance Department Deconstruction Plan Deconstruction property of the Landowner. constructed, constructs, or intends to construct a Facility on the lease, or license under the terms of which another person has Landowner(s) including, but not limited to, an easement, option, highest content of organic matter; more specifically, it is defined as the "A" horizon. leasing/renting land that is subject to an Underlying Agreement Any person, apart from the Facility Owner, lawfully residing water resources assistance to eligible Landowners for the conservation of soil and A unit of local government that provides technical and financial An engineer licensed to practice engineering in the State of Illinois with the least input of nutrients and management). Farmland" (generally considered to be the most productive soils agricultural purposes and that is party to an Underlying Agreement. Any person with an ownership interest in property that is used for County or Landowner as beneficiary. financial assurance that is acceptable to the County, with the The uppermost layer of the soil that has the darkest color or the Agricultural Land comprised of soils that are defined by the USDA Natural Resources Conservation Service (NRCS) as "Prime A reclamation or surety bond or other commercially available The Illinois Department of Agriculture (IDOA). 3 expense, that includes: The removal of a Facility from the property of a Landowner and the restoration of that property as provided in the AIMA. plan prepared by a Professional Engineer, at the Facility's written agreement between the Facility Owner and the the estimated Deconstruction cost, in current dollars at the Owner plans to pay for the Deconstruction of the Facility < ₹. ≣ time of filing, for the Facility, considering among other things: comprehensive detailed description of how the Facility the Construction method and techniques for the Facility the salvage value of the facilities (if all interests in salvage the number of solar panels, racking, and related facilities and for other similar facilities; and holder if abandonment occurs); value are subordinate to that of the Financial Assurance the size and capacity, in megawatts of the Facility; the original Construction costs of the Facility; involved; õ

Underground Cable

Electrical power lines installed below the ground surface to be utilized for conveyance of power within a Facility or from a Commercial Solar Energy Facility to the electric grid.

USDA Natural Resources Conservation Service (NRCS)

An agency of the United States Department of Agriculture that provides America's farmers with financial and technical assistance to aid with natural resources conservation.

Construction and Deconstruction Standards and Policies

1. Support Structures

- ⋗ Only single pole support structures shall be used for the Construction and operation of the Facility on Agricultural Land. Other types of support structures, such as lattice towers or H-frames, may be used on nonagricultural land.
- $\mathbf{\omega}$ Where a Facility's Aboveground Cable will be adjacent and parallel to highway and/or only exceptions may be at jogs or weaves on the highway alignment or along highways placed as close as reasonably practicable and allowable by the applicable County Engineer or other applicable authorities to the highway or railroad right-of-way. The or railroads where transmission and distribution lines are already present railroad right-of-way, but on privately owned property, the support structures shall be
- Ç of-way, Best Efforts shall be expended to place all support poles in such a manner to minimize their placement on Cropland (i.e., longer than normal above ground spans When it is not possible to locate Aboveground Cable next to highway or railroad rightshall be utilized when traversing Cropland).

2. Aboveground Facilities

possible to ongoing agricultural activities occurring on the land that contains or is adjacent Locations for facilities shall be selected in a manner that is as unobtrusive as reasonably

3. Guy Wires and Anchors

pastureland and hayland, placing them instead along existing utilization lines and on land other than Cropland. Where this is not feasible, Best Efforts shall be made to minimize guy wire impact on Cropland. All guy wires shall be shielded with highly visible guards. Best Efforts shall be made to place guy wires and their anchors, if used, out of Cropland

4. Underground Cabling Depth

- ⋗ Underground electrical cables located outside the perimeter of the (fence) of the solar panels shall be buried with:
- 1. a minimum of 5 feet of top cover where they cross Cropland
- N Cropland classified as Prime Farmland minimum of 5 feet of top cover where they cross pastureland or other non-
- ÇΩ a minimum of 3 feet of top cover where they Agricultural Land not classified as Prime Farmland cross pastureland and other

- a minimum of 3 feet of top cover where they cross wooded/brushy land
- ϖ Provided that the Provided that the Facility Owner removes the cables during Deconstrunderground electric cables may be installed to a minimum depth of 18 inches Facility Owner removes the Deconstruction,
- Within the fenced perimeter of the Facility; or
- When buried under an access road associated with the Facility provided that the location and depth of cabling is clearly marked at the surface
- Ω If Underground Cables within the fenced perimeter of the solar panels are installed to a minimum depth of 5 feet, they may remain in place after Deconstruction

5. Topsoil Removal and Replacement

- ₽ Any excavation shall be performed in a manner to preserve topsoil. Best Efforts shall become intermixed with subsoil materials. be made to store the topsoil near the excavation site in such a manner that it will not
- 四 Best Efforts shall be made to store all disturbed subsoil material near the excavation site and separate from the topsoil.
- O When backfilling an excavation site, Best Efforts shall be used to ensure the stockpiled topsoil subsoil material will be placed back into the excavation site before replacing the
- O topsoil Refer to Section 7 for procedures pertaining to rock removal from the subsoil and
- Ш Refer to Section 8 for procedures pertaining to the repair of compaction and rutting of
- ${\bf T}_{i}$ drainage ditch, or other crossings. In no instance shall the topsoil materials be used for any other purpose unless agreed to explicitly and in writing by the Landowner. occurs, the topsoil's original depth and contour will be restored as close as reasonably Best Efforts shall be performed to place the topsoil in a manner so that after settling The same shall apply where excavations are made for road,
- ດ property, unless otherwise agreed to by Landowner. Discharge Elimination System (NPDES) permit/Stormwater Pollution Prevention Plan the Landowner's property and reseeded per the applicable National Pollution material shall be returned to an excavation site or removed from the material resulting from solar facility excavation shall either be removed or stored on Based on the mutual agreement of the landowner and Facility Owner, excess soil After the Facility reaches the end of its Useful Life, the excess subsoil Landowner's

Ò Rerouting and Permanent Repair of Agricultural Drainage Tiles

directly or indirectly affected by Construction and/or Deconstruction: The following standards and policies shall apply to underground drainage tile line(s)

⋗ Prior to Construction, the Facility Owner shall work with the Landowner to identify extent reasonably practicable. All drainage tile lines identified in this manner shall be drainage tile lines traversing the property subject to the Underlying Agreement to the shown on the Construction and Deconstruction Plans

W The location of all drainage tile lines located adjacent to or within the footprint of the Facility shall be recorded using Global Positioning Systems (GPS) technology. Within 60 days after Construction is complete, the Facility Owner shall provide the tile line repair location(s), and any underground cable installed as part of the Facility. lines by survey station encountered in the Construction of the Facility, including any (SWCD) with "as built" drawings (strip maps) showing the location of all drainage tile Landowner, the IDOA, and the respective County Soil and Water Conservation District

C. Maintaining Surrounding Area Subsurface Drainage

to ensure appropriate drainage. Any new line(s) may be located outside of, but adjacent to the perimeter of the Facility. Disrupted adjacent drainage tile lines shall be system, as determined by the Landowner, then such repairs shall be made promptly Facility. If the damaged tile lines cause an unreasonable disruption to the drainage lines or install new drainage tile line(s) of comparable quality and cost to the original(s), If drainage tile lines are damaged by the Facility, the Facility Owner shall repair the attached thereto to provide an adequate outlet for the disrupted adjacent tile lines. and of sufficient size and appropriate slope in locations that limit direct impact from the

Ö Re-establishing Subsurface Drainage Within Facility Footprint

footprint of the Facility prior to Construction. Such installation shall be completed within 12 months after the end of the useful life of the Facility and shall be compliant during original Construction, facility operation, and/or facility Deconstruction, were present within the footprint of the facility and were severed or otherwise damaged with Figures 1 and 2 to this Agreement or based on prudent industry standards if sufficient capacity to restore the underground drainage capacity that existed within the comparable quality and cost to the original, within the footprint of the Facility with Facility Owner shall repair existing drainage tiles or install new drainage tile lines of Following Deconstruction and using Best Efforts, if underground drainage tile lines agreed to by Landowner.

- Ш be considered by the Facility Owner and the Landowner. If there is any dispute between the Landowner and the Facility Owner on the method of permanent drainage tile line repair, the appropriate County SWCD's opinion shall
- Щ method to complete this restoration, the Facility Owner may implement the recommendations of the appropriate County SWCD and such implementation During Deconstruction, all additional permanent drainage tile line repairs beyond those included above in Section 6.D. must be made within 30 days of identification or constitutes compliance with this provision. repairs must be made at a time mutually agreed upon by the Facility Owner and the Landowner. notification of the damage, weather and soil conditions permitting. At other times, such If the Facility Owner and Landowner cannot agree upon a reasonable
- Ω Following completion of the work required pursuant to this Section, the Facility Owner Facility Owner pays the Landowner to perform. Construction or Deconstruction, provided those repairs were made by the Facility Construction shall be responsible The Facility Owner shall not be responsible for drainage tile repairs that the and/or Deconstruction for one for correcting all drainage tile line repairs that fail due to Deconstruction for one year following the completion of

7. Rock Removal

in the uppermost 42 inches of soil, the common freeze zone in Illinois, which emerged or were brought to the site as a result of Construction and/or Deconstruction. With any excavations, the following rock removal procedures pertain only to rocks found

- ⋗ Before replacing any topsoil, Best Efforts shall be taken to remove all rocks greater were brought to the site as a result of Construction and/or Deconstruction than 3 inches in any dimension from the surface of exposed subsoil which emerged or
- œ If trenching, blasting, If trenching, blasting, or boring operations are required through rocky terrain, precautions shall be taken to minimize the potential for oversized rocks to become interspersed in adjacent soil material.
- 0 Rocks and soil containing rocks removed from the subsoil areas, topsoil, or from any the Facility Owner excavations, shall be removed from the Landowner's premises or disposed of on the Landowner's premises at a location that is mutually acceptable to the Landowner and

8. Repair of Compaction and Rutting

- ⋗ and all pasture and woodland shall be ripped at least 12 inches deep or to the extent practicable. The existence of drainage tile lines or underground utilities may necessitate less ripping depth. The disturbed area shall then be disked. Unless the Landowner opts to do the restoration work on compaction and rutting, after the topsoil has been replaced post-Deconstruction, all areas within the boundaries of the Facility that were traversed by vehicles and Construction and/or Deconstruction equipment that exhibit compaction and rutting shall be restored by the Facility Owner. All prior Cropland shall be ripped at least 18 inches deep or to the extent practicable
- œ tillage operations to occur on Cropland adjacent to the Facility. All ripping and disking shall be done at a time when the soil is dry enough for normal
- Ç The Facility Owner shall restore all rutted land to a condition as close as possible to the Landowner. its original condition upon Deconstruction, unless necessary earlier as determined by
- Ō If there is any dispute between the Landowner and the Facility Owner as to what areas Facility Owner and the Landowner need to be ripped/disked or the depth at which compacted areas should be ripped/disked, the appropriate County SWCD's opinion shall be considered by the

9. Construction During Wet Weather

wet weather conditions may be determined on a field by field basis. harvesting, cannot take place due to excessively wet soils. With input from the landowner, during times when normal farming operations, such as plowing, disking, planting or Except as provided below, construction activities are not allowed on agricultural land

Þ Construction activities on prepared surfaces, surfaces where topsoil and subsoil have been removed, heavily compacted in preparation, or otherwise stabilized (e.g. through cement mixing) may occur at the discretion of the Facility Owner in wet weather

œ Construction activities on unprepared surfaces will be done only when work will not Landowner, or, if approved by the Landowner, his/her designated tenant or designee of subsoil and topsoil mixing will be made in consultation with the underlying result in rutting which may mix subsoil and topsoil. Determination as to the potential

10. Prevention of Soil Erosion

- ⋗ The Facility Owner shall work with Landowners and create and follow a SWPPP to Deconstruction of a Facility. prevent excessive erosion on land that has been disturbed by Construction or
- \Box If the Landowner and Facility Owner cannot agree upon a reasonable method to control erosion on the Landowner's property, the Facility Owner shall consider recommendations of the appropriate County SWCD to resolve the disagreement. the Facility Owner shall consider the
- Ω Efforts to ensure that all seed mixes will be as free of any noxious weed seeds as possible. The Facility Owner shall consult with the Landowner regarding appropriate other facility components to prevent erosion. consultation with the Landowner, seed appropriate vegetation around all panels and The Facility Owner may, per the requirements varieties to seed The Facility Owner must utilize Best of the project SWPPP and in

11. Repair of Damaged Soil Conservation Practices

reasonably practicable following Deconstruction in accordance with USDA NRCS technical standards. All repair costs shall be the responsibility of the Facility Owner. etc.) that will be damaged by the Construction and/or Deconstruction of the Facility. Those conservation practices shall be restored to their preconstruction condition as close as to determine if there are soil conservation practices (such as terraces, grassed waterways, Consultation with the appropriate County SWCD by the Facility Owner shall be carried out

12. Compensation for Damages to Private Property

Facility Owner. Damage to Agricultural Land shall be reimbursed to the Landowner as prescribed in the applicable Underlying Agreement. The Facility Owner shall reasonably compensate Landowners for damages caused by the

13. Clearing of Trees and Brush

- ⋗ If trees are to be removed for the Construction or Deconstruction of a Facility, the Facility Owner shall consult with the Landowner to determine if there are trees of commercial or other value to the Landowner.
- œ If there are trees of commercial or other value to the Landowner, the Facility Owner shall allow the Landowner the right to retain ownership of the trees to be removed and the disposition of the removed trees shall be negotiated prior to the commencement of land clearing

14. Access Roads

≻ To the extent practicable, access roads shall be designed to not impede surface drainage and shall be built to minimize soil erosion on or near the access roads.

- $\mathbf{\omega}$ through mutual agreement of the Landowner and the Facility Owner unless otherwise restricted by federal, state, or local regulations. roads may be left intact during Construction, operation or Deconstruction
- O If the access roads are removed, Best Efforts shall be expended to assure that the that are removed shall be ripped to a depth of 18 inches. All ripping shall be performed consistent with Section 8. land shall be restored to equivalent condition(s) as existed prior to their construction, or as otherwise agreed to by the Facility Owner and the Landowner. All access roads

15. Weed/Vegetation Control

- ≯ The Facility Owner shall provide for weed control in a manner that prevents the spread of weeds. pesticide applicator. Chemical control, if used, shall be done by an appropriately licensed
- œ appropriate state or county entity that weeds have spread from the Facility to their property. Reimbursement is contingent upon written notice to the Facility Owner. Facility Owner shall reimburse the property owner within 45 days after notice is incurred by owners of agricultural land where it has been determined by the The Facility Owner shall be responsible for the reimbursement of all reasonable costs
- 0 The Facility Owner shall ensure that all vegetation growing within the perimeter of the the Landowner. limited to, mowing, trimming, chemical control, or the use of livestock as agreed to by Facility is properly and appropriately maintained. Maintenance may include, but not be
- O equipment used in the Facility, including weed-control fabrics or other ground covers. The Deconstruction plans must include provisions for the removal of all weed control

16. Indemnification of Landowners

or willful omissions of such Landowners, and/or the Landowners heirs, successors, legal damages, costs, losses, and expenses are caused by the negligence or intentional acts damage to such Facility or any of its appurtenances, except where claims, injuries, suits, representatives, and assigns from and against all claims, injuries, suits, damages, costs, losses, and reasonable expenses resulting from or arising out of the Commercial Solar representatives, and assigns. Energy Facility, including Construction and Deconstruction thereof, and also including The Facility Owner shall indemnify all Landowners, their heirs, successors,

17. **Facilities** Deconstruction Plans and Financial Assurance of Commercial Solar Energy

- ⋗ Deconstruction of a Facility shall include the removal/disposition of all solar related located on Landowner property: equipment/facilities, including the following utilized for operation of the Facility and
- Solar panels, cells and modules;
- N Solar panel mounts and racking, including any helical piles, or other anchoring systems; ground screws,
- 3. Solar panel foundations, if used (to depth of 5 feet)

- Transformers, inverters, energy storage facilities, or substations, including all components and foundations; however, Underground Cables at a depth of 5 feet or greater may be left in place;
- Overhead collection system components;
- တ gear buildings unless otherwise agreed to by the Landowner; Operations/maintenance buildings, spare parts buildings and substation/switching
- 7 Access Road(s) unless Landowner requests in writing that the access road is to
- œ Operation/maintenance yard/staging area unless otherwise agreed to by the Landowner; and
- Ø Debris and litter generated by Deconstruction and Deconstruction crews
- œ twelve (12) months after the end of the useful life of the Facility. The Facility Owner shall, at its expense, complete Deconstruction of a Facility within
- Ω During the County permit process, or if none, then prior to the commencement of the end of the tenth year of commercial operation. construction, the Facility Owner shall file with the County a Deconstruction Plan. The Facility Owner shall file an updated Deconstruction Plan with the County on or before
- Q estimated costs of Deconstruction of the Facility. Provision of this Financial Assurance shall be phased in over the first 11 years of the Project's operation as follows: The Facility Owner shall provide the County with Financial Assurance to cover the
- On or before the first anniversary of the Commercial Operation Date, the Facility of the estimated costs of Deconstruction of the Facility as determined in the Owner shall provide the County with Financial Assurance to cover ten (10) percent Deconstruction Plan.
- N On or before the sixth anniversary of the Commercial Operation Date, the Facility Owner shall provide the County with Financial Assurance to cover fifty (50) percent of the estimated costs of Deconstruction of the Facility as determined in the Deconstruction Plan.
- င္ပ On or before the eleventh anniversary of the Commercial Operation Date, the determined in the updated Deconstruction Plan provided during the tenth year of hundred (100) percent of the estimated costs of Deconstruction of the Facility as Facility Owner shall provide the County with Financial Assurance to cover one commercial operation

salvage value are subordinate or have been subordinated to that of the County if Assurance is replaced. The salvage value of the Facility may only be used to reduce the estimated costs of Deconstruction if the County agrees that all interests in the The Financial Assurance shall not release the surety from liability until the Financial Abandonment occurs

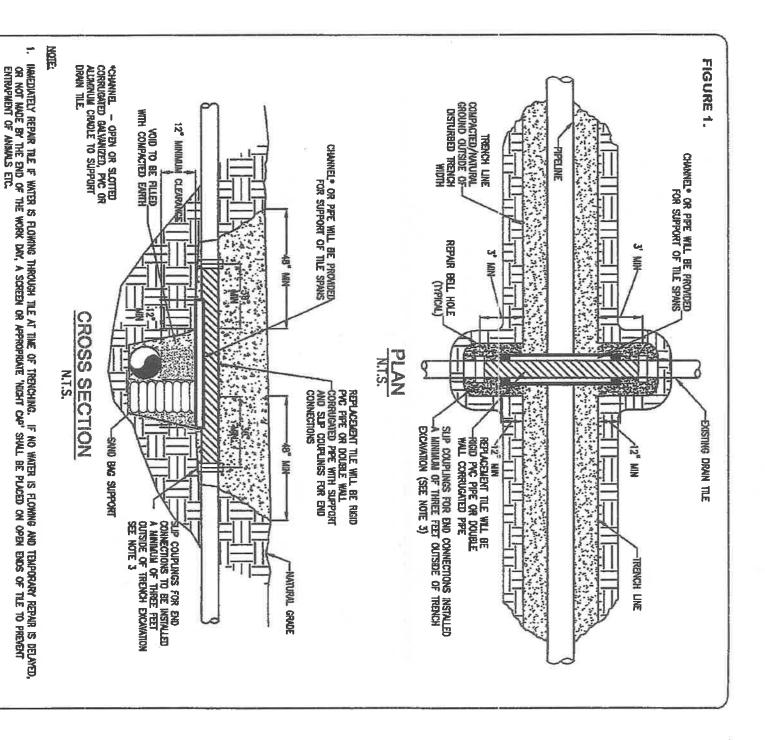
- ÌШ County and Facility may mutually agree on the selection of a Professional Engineer independent of the Facility Owner to conduct any necessary investigations. The Facility Owner shall be responsible for the cost of any such investigations. thereafter, of the Commercial Operation Date. Based on any reevaluation, the County may require changes in the level of Financial Assurance used to calculate the phased Financial Assurance levels described in Section 17.D. required from the Facility Owner. If the County is unable to its satisfaction to perform the investigations necessary to approve the Deconstruction Plan filed by the Facility Owner, then the Deconstruction of any Facility after the tenth anniversary, and every five years County may, but is not required to, reevaluate the estimated costs of
- ŢĪ Upon Abandonment, the County may take all appropriate actions for Deconstruction including drawing upon the Financial Assurance

Concurrence of the Parties to this AIMA

the Construction and Deconstruction of the solar farm project in State of Illinois AIMA is the complete AIMA governing the mitigation of agricultural impacts that may result from The Illinois Department of Agriculture and RPIL Solar 2, LLC Lake County within the concur that this

The effective date of this AIMA commences on the date of execution

| STATE OF ILLINOIS DEPARTMENT OF AGRICULTURE | RPIL Solar 2, LLC | C |
|---|---------------------|----------------|
| | | |
| Ву: | By Stephanie Loucas | Cas |
| | | |
| By T bunsel | Address | |
| 801 E. Sangamon Avenue, 62702 State Fairgrounds, POB 19281 Springfield, IL 62794-9281 | | |
| highly du mas | October 11 | , 20 <u>23</u> |



TEMPORARY DRAIN TILE REPAIR

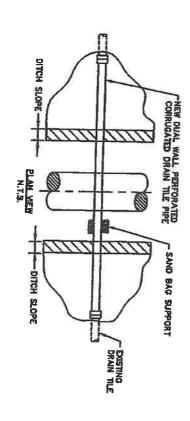
ξu

INDUSTRY STANDARDS SHALL BE FOLLOWED TO ENSURE PROPER SEAL OF REPAIRED DRAIN TILES

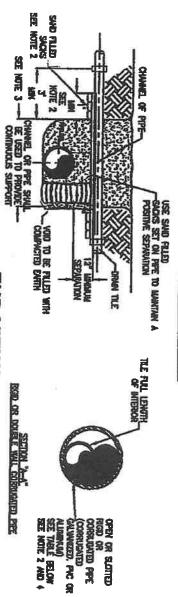
CHANNEL OR PIPE (OPEN OR SLOTTED) MADE OF CORRUGATED GALVANIZED PIPE, PVC OR ALUMINUM WILL BE USED FOR SUPPORT OF DRAIN TILE SPANS.

PAGE 1 of 2

FIGURE 2.



PLAN VIEW



END VIEWS

| | 9 | - | 10" @ 15.: | Î. |
|---------|--|------|-------------------|---------|
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| E SIZE | F F | SILE | CHANNEL | THE THE |

F

- TILE REPAR AND REPLACEMENT SHALL MANTAIN ORIGINAL ALKCHMENT CRADENT AND WATER FLOW TO THE GREATEST EXTENT POSSELE. THE TILE NEEDS TO BE RELOCATED, THE INSTALLATION ANGLE MAY VARY DUE TO STE SPECIFIC CONDITIONS AND LANDOWNER RECOMMENDATIONS. ₩
- Ņ TRENCH. BOTH SIDES). I"--O" MINIMUM LENGTH OF CHANNEL OR RIGHD PRE (OPEN OR SLOTTED CORRUGATED GALVANIZED, PAC OR ALIMINUM CRADLE) SHALL SUPPORTED BY UNDSTLUBBED SOIL, OR IF CROSSING IS NOT AT RIGHT ANGLES TO PPELINE, EQLIVALENT LENGTH PERPENDICULAR TO TRENCH.

 SHIE WITH SAND BACS TO UNDSTLUBBED SOIL FOR SUPPORT AND DRAININGE GRADERY MAINTENANCE (TYPICAL
- Ç4 dran tiles will be permanently connected to egisting dran tiles a minimum of three feet outside of excavated trench Line using industry standards to ensure proper scal of repaired dran tiles including sup couplings.
- * dumieter of rigid pipe shull be of adequate size to allow for the installation of the tile for the full length of the Rigid pipe.
- Çm OTHER METHODS OF SUPPORTING DRAIN THE WAY BE USED IF ALTERNATE PROPOSED IS EQUIVALENT IN STREWGTH TO THE CHANNEL/PIPE SECTIONS SHOWN AND IF APPROVED BY COMPANY REPRESENTATIVES AND LANDOWNER IN ADVANCE. SITE SPECIFIC ALTERNATE SUPPORT SYSTEM TO BE DEVELOPED BY COMPANY REPRESENTATIVES AND FURNISHED TO CONTRACTOR FOR SPANS IN EXCESS OF 20', TILE GREATER THEN 10° DUMETER, AND FOR "HEADER" SYSTEMS.
- 6. ALL WATERAL TO BE FURNISHED BY CONTRACTOR.
- PROR TO REPARING THE, CONTRACTOR SHALL PROBE LATERALLY INTO THE EDISTING THE TO FULL WIDTH OF THE RIGHTS OF WAY TO DETERMINE IF ADDITIONAL DAMAGE HAS OCCURRED. ALL DAMAGED/DISTURBED THE SHALL BE REPAIRED AS NEAR AS PRACTICABLE TO ORIGINAL OR BETTER CONDITION. 3



ECOCAT





Applicant: Contact: TRC Suchitra Karthikeyan Date: IDNR Project Number: 08/08/2022 2302305

Address:

Project: Route 83 Solar Project

Address: 29650 N IL Route 83 off a privately owned road in the Township of Fremont (PIN

1014100004), Freemont Township

Description: 5 megawatts (MW) alternating current (AC) (6.2 MW direct current (DC) Solar Energy

Natural Resource Review Results

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

Reserves in the vicinity of the project location. Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species

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

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

County: Lake

Township, Range, Section.

44N, 10E, 14 44N, 10E, 15

Contact L Department of Natural Resources

\dam Rawe

Division of Ecosystems & Environment



Government Jurisdiction

Unknown at this time Springfield, Illinois 62702 1021 N Grand Ave E IL Environmental Protection Agency

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 substitute for detailed site surveys or field surveys required for environmental assessments. If additional of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a and regulations is required protected resources are encountered during the project's implementation, compliance with applicable statutes

lerms 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 Use for this application, you warrant that you will not use this web site for any other purpose. proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of databases, Geographic Information System mapping, and a set of programmed decision rules to determine if
- may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information 2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and 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.

Natural Resource Information Report Application

McHenry-Lake County Soil and Water Conservation District 1648 S. Eastwood Dr., Woodstock, IL 60098 Voice: (815) 338-0444 x 3 www.mchenryswcd.org

| | | | For office use only | |
|---------------------|---------|-----------------|---|---|
| File Number: | 1 | a. | Date Received: | 20 |
| Fee: | | _ (<i>Pl</i> e | (Please make check payable to McHenry-Lake County SW(| ry-Lake County SWCD.) |
| The McHenry-Lake Co | unty SV | VCD ha | The McHenry-Lake County SWCD has thirty (30) days to complete this report after receipt of ALL the folk | er receipt of ALL the following items and |
| | | | | |

| It is understood that filing this application allows a district representative the right to conduct an onsite investigation of the parcel(s) described above. Furthermore, this report becomes subject to the Freedom of Information Act after presentation to the District Board of directors at their regularly scheduled meeting. | It is understood to described above directors at their |
|---|---|
| ls the parcel within 1 mile of a Village or City Boundary? ✓ Yes ☐ No If yes, which (City/Town/Village)? Mundelein | Is the parce |
| Unit of Government Responsible: County of McHenry County of Lake | Unit of Gove |
| Proposed Improvements: Common Open Space □ Drainage Ditches/Swales □ Dwellings on Slabs □ Common Open Space □ Wet Retention Basin □ Commercial Buildings □ Individual Wells □ Storm Sewers □ Park/Playground Areas □ Community Water □ Dry Detention Basin □ Conservation Easements □ Septic Systems ✓ Other Solar Energy Systems, Commercial | Proposed In Dwelli Dwelli Comm Park/P Conse |
| Current Zoning: Agricultural Requested Zoning: Solar Energy Systems, Commercial Rescription of Zoning Request: Delegated Conditional Use Permit | Current Zon Description |
| Aggregate parcel siz | |
| Parcel Index Number(s): (1)10 -14 -100 -004 (2)31 (2)31 | Parcel Index |
| SS | Address: |
| Contact Person: TRC Companies- Anne Rowley Phone: | Contact Per |
| SS | Address: |
| Petitioner's Name: RPIL Solar 2, LLC - Stephanie Loucas Phone | Petitioner's |
| Processing of the NRI report will not begin until <u>all</u> of the required items have been received by the MLCSWCD (office unless otherwise indicated by SWCD Staff) Fee: Full report: \$400.00 for 1-3 acres and \$25.00 for each additional acre or part thereof. Letter: \$100.00 SWCD will determine when letter or full report format will be necessary. | Processing by the MLC: Fee: Full re |
| Application Check List: (Include your Tentative Plat, Intensive Soil Survey, Tile Investigation, & Certified Wetland Determination if available) Plat of Survey: ✓ Fee: ✓ Tentative plat: ☐ Intensive Soil Survey: ☐ Tile Investigation: ✓ Certified Wetland Determination/Delineation: ✓ | Application Ch Plat of Survey: Tentative plat: Certified Wetla |
| after presentation to SWCD Board of Directors at their regularly scheduled meeting: Board meetings are scheduled for the first Tuesday of each month at the SWCD office. | after presentati first Tuesday of |

di de 표 **등 중** Contact person or Petitioner's signature: Date: 10 /31

Rowley, Anne

From:

Sent:

C: S

Subject:

Front Desk

Wednesday, November 1, 2023 10:43 AM

Rowley, Anne

[EXTERNAL] NRI Application Checks

content is safe. This is an External email. Do not click links or open attachments unless you validate the sender and know the

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy

Hello, Anne.

District has received three (3) FedEx packages: Per your request, I'm sending you confirmation that this morning the McHenry-Lake County Soil & Water Conservation

- Four (4) NRI Applications
- Four (4) Survey bundles
- Four (4) corresponding checks

Spring Duffey will be back in the office around November 15th and will review these then.

Good day,

Lisa Rhoades

McHenry - Lake County Soil and Water Conservation District

1648 S. Eastwood Dr., Woodstock, IL 60098

Office: 815-338-0444 x 3

www.mchenryswcd.org





DISTRICT 1 IDOT SUBMITTAL AND CORRESPONDENCE



Highway Permit

| Regional Engineer | | |
|---|--|--|
| | BY: | |
| Department of Transportation | Departme | |
| | | Approved this day of |
| | | SIGN AND RETURN TO: Regional Engineer |
| State | City | City State |
| Mailing Address | | Mailing Address |
| Applicant | | |
| day of | d to this | This permit is hereby accepted and its provisions agreed to this Si |
| verse side of this sheet. | ions printed on the rev | This permit is subject to the conditions and restrictions printed on the reverse side of this sheet |
| after the date this permit is approved, | | All work authorized by this permit shall be completed otherwise the permit becomes null and void. |
| | | |
| sting access driveway located on IL-83, as BMPs will be implemented. The access road leavy truck traffic. Once Site construction is the site plans included within. | road will extend an exis sures and appropriate E road to accommodate h nal design as shown in t | The Site's construction of a 12-toot-wide gravel access road will extend an existing access driveway located on iL-83, as shown in the attached plan shoets. Erosion control measures and appropriate BMPs will be implemented. The access road will initially be constructed as a temporary construction road to accommodate heavy truck traffic. Once Site construction is completed, the access road will be transitioned to the final design as shown in the site plans included within. |
| County. The work is described in detail on the attached plan or sketch and/or as follows: | scribed in detail on the | Lake County. The work is de |
| ht-of-way of the State Highway Section | (State) Frein described on the rig | request permission and authority to do certain work herein described on the right-of-way of the State Highway known as IL Route 83 to Station to Station |
| hereinafter termed the Applicant, | | San Francisco CA |
| (Mailing Address) | 57 945 | (Name of Applicant) |
| District Serial No. | Dist | |

First: The Applicant represents and warrants that he/she is the party in interest respecting this Permit and that he/she is the agent in fact with authority to bind all parties in interest to the obligations and undertakings agreed to in this Permit. The Applicant represents and warrants that the property lines shown on the attached plan sheet(s) or sketch are true and correct, and that all proposed work is

his/her authorized representative as a condition of granting this Permit. The Applicant agrees to furnish all labor, equipment and material, his/her authorized representative as a condition of granting this Permit. The Applicant agrees to restore any and all damaged and do all work and pay all costs associated with the work authorized by this Permit. The Applicant agrees to restore any and all damaged portions of the highway right-of-way to the condition satisfactory to the Regional Engineer or his/her authorized representative including, but not limited to, all landscape restoration. The Applicant shall not trim, cut or in any way disturb any trees or shrubbery along the highway without the approval of the Regional Engineer or his/her duly authorized representative. Any and all documents, writings and notes reflecting or identifying the standards, specifications, understandings and conditions applicable to the performance of the permitted though fully set forth herein work required Regional Engineer. **Second:** The proposed work shall be located and constructed to the satisfaction of the Regional Engineer or his/her duly authorized esentative. No revisions or additions shall be made to the proposed work on the right-of-way without the written permission of the ional Engineer. The Applicant agrees to complete all work to the standards and specifications identified by the Regional Engineer or by the Regional Engineer or his her authorized representative are hereby incorporated into this Permit by reference as

Traffic controls and work site protection shall be in accordance with the applicable requirements of Part 6 (Temporary Traffic Control) of the Illinois Manual on Uniform Traffic Control Devices and with the traffic control plan if one is required elsewhere in the permit. All signs, barricades, flaggers, etc., required for traffic control shall be furnished by the Applicant. The work may be done on any day except Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. Work shall be done only Third: The Applicant shall at all times conduct the work in such a manner as to minimize hazards to vehicular and pedestrian traffic

Fourth: The work performed by the Applicant is for the bona fide purpose expressed and not for the purpose of, nor will it result in the parking or servicing of vehicles on the highway right-of-way. Signs located on or overhanging the right-of-way shall be prohibited.

negligence of the Applicant and any party in interest, its agents and employees, contractors, subcontractors and consultants whether at law, in equity or common law. In the event the Applicant or any party in interest fails, neglects, or refuses to comply with any provision of this indemnity, the State of Illinois may take any action necessary to protect itself from liability, including any action to pay, settle, compromise and procure the discharge thereof, in which case the Applicant or any party in interest, jointly and severally, shall be liable and against any and all suits, claims, actions, losses, injuries, damages, judgments and expenses that are based on, or that arise or are alleged to have arisen out of the performance of the work approved herein, including, but not limited to, any act, willful or intended, or assumes all risks associated therewith. The Applicant assumes full and strict liability for the actions of itself, all parties in interest, its agents and employees, contractors, subcontractors and consultants. The Applicant and all parties in interest shall save, defend, hold harmless and indemnify the State of Illinois and each of its officers, agents, employees, invitees and others associated with it from and bound unto the State of Illinois for any and all expenses related thereto, including attorney's fees. The Applicant shall engage in only the proposed work approved herein, and subject to the hazards incident to such activities,

to pay for the cost incurred reasonable time, the State reserves the right to make such alterations or change of location or remove the work, and the Applicant agrees without expense to the State, and should the Applicant fail to make satisfactory arrangements to of-way, the Applicant, upon written request by the Regional Engineer, shall perform such alterations or change of location of the facilities, constructed under this permit or their appurtenances on the right-of-way as may at any time be considered necessary to permit the relocation, reconstruction, widening or maintaining of the highway and/or provide proper protection to life and property on or adjacent to the State right-of-way. However, in the event this permit is granted to construct, locate, operate and maintain utility facilities on the State right-The State reserves the right to make such changes, additions, repairs and relocations within its statutory limits to the facilities comply with this request within

Seventh: This permit is effective only insofar as the Department has jurisdiction and does not presume to release the Applicant from compliance with the provisions of any existing statutes or local regulations relating to the construction of such work.

State Highways." If, in the future, the land use of property served by an access driveway described and constructed in accordance with this permit changes so as to require a higher driveway type as defined in that policy, the owner shall apply for a new permit and bear the costs for such revisions as may be required to conform to the regulations listed in the policy. Utility installations shall be subject to the "Policy on the Accommodation of Utilities on Right-of-Way of the Illinois State Highway System." Eighth: The Construction of access driveways is subject to the regulations listed in the "Policy on Permits for Access Driveways to

Ninth: If the work covered by this permit includes construction of additional lanes, turn lanes, median cross-overs or traffic signals on, along or adjacent to a highway under Department jurisdiction, the permittee shall use only contractor(s) approved by the Department of Transportation for the performance of said work on the State highway. A contractor currently prequalified by the Department in the work rating governing the said work shall be approved. Prior to the commencement of the said work on the State highway, the applicant shall furnish the Regional Engineer a copy of the contractor's current Certificate of Eligibility, or, if the permittee proposes to use a contractor not currently prequalified by the Department, information satisfactory to the Department evidencing the contractor's qualification and ability to perform the said work. No work on the State highway shall be performed until the Department issues an approval of the

Printed 10/18/2023



October 18, 2023

Illinois Department of Transportation, District 1 201 West Center Court Schaumburg, Illinois 60196-1096

To whom it may concern:

for the proposed 12-foot-wide gravel access driveway as part of the Route 83 Solar Project (Project) located approximately 715 feet west of IL-83 (Illinois Route 83) in Fremont Township, Illinois. Please note that, per the attached drawings, the proposed access extends an existing driveway located on IL-83. No construction is proposed at the entrance of the existing driveway connected onto IL-83. We are requesting, upon review, concurrence that a permit from IDOT is not required. In it's place we ask that the District issue an approval letter to utilize the existing driveway. Lake County has requested this concurrence as a Condition of Approval to our Conditional Use Permit application for the Route 83 Solar Project. TRC, on behalf of Renewable Properties and RPIL Solar 2, LLC, is pleased to submit our highway permit application

Sincerely,

TRC Companies,



Anne Rowley, PE Project Manager

CC: Jim Auld, Renewable Properties, LLC, Stephanie Loucas, Renewable Properties, LLC

Enclosures:

Plan Set IDOT Highway Traffic Control Standards



Sheets G000, G0101, C050, C100, C501, and C503 of Plan Set (Entire plan set can be provided upon request.)

PERMIT PLAN SET

ROUTE 83 SOLAR

29650 N. ROUTE 83 FREEMONT TOWNSHIP, MUNDELEIN, II.

DATE: OCTOBER 2023



PRELIMINARY- NOT FOR CONSTRUCTION

1000

Calculation of Base Site Area

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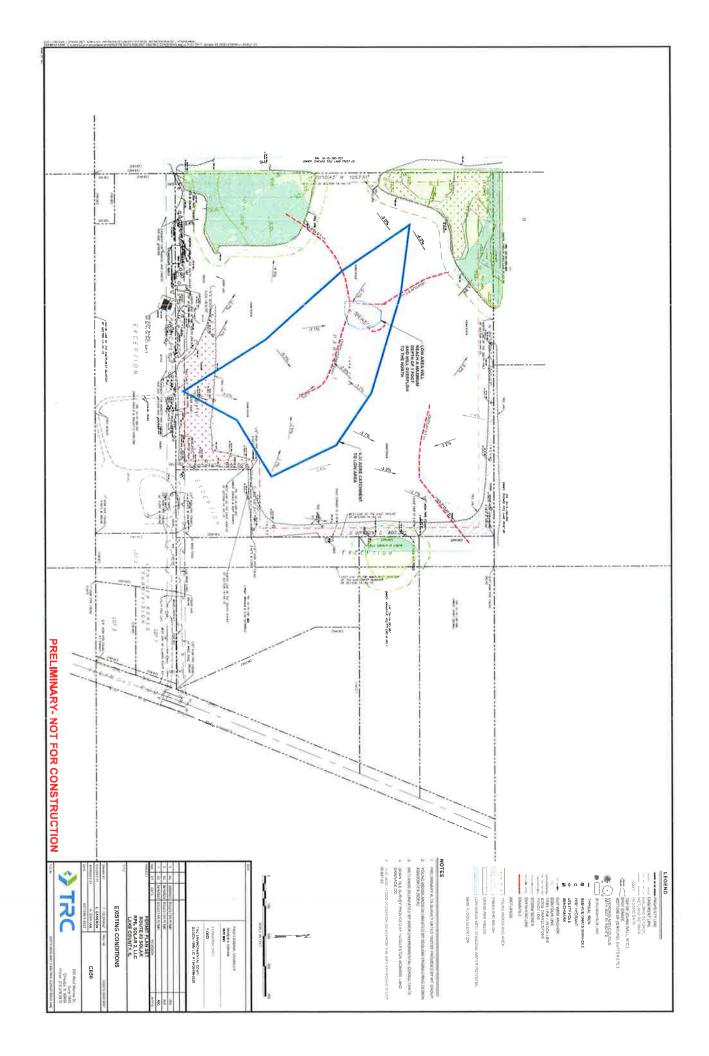
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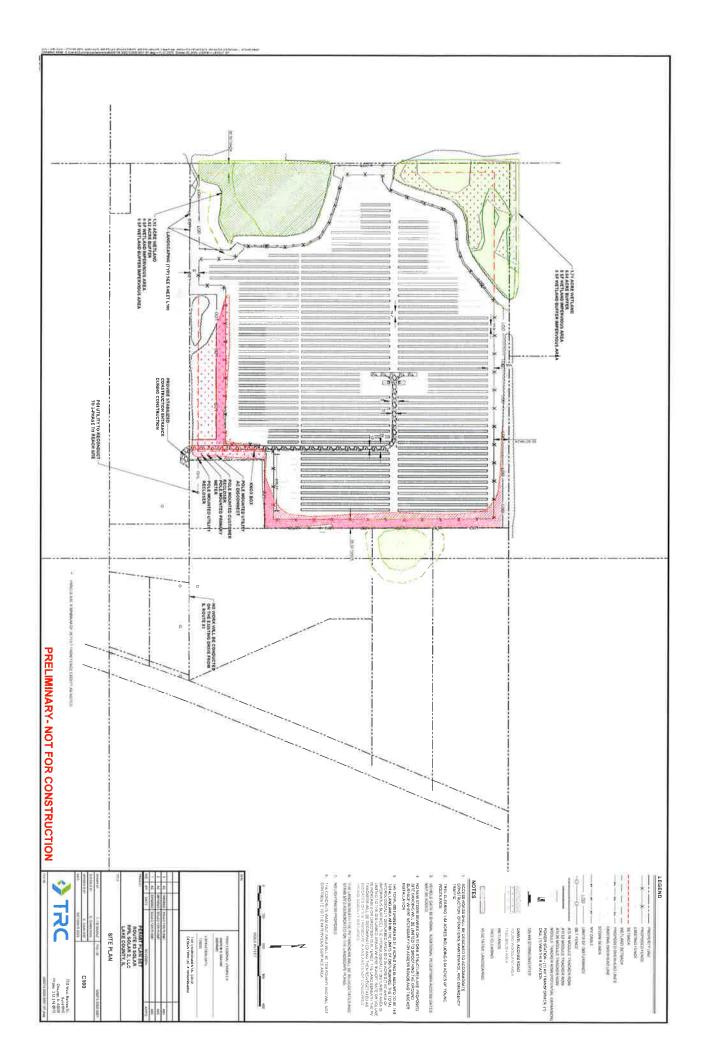
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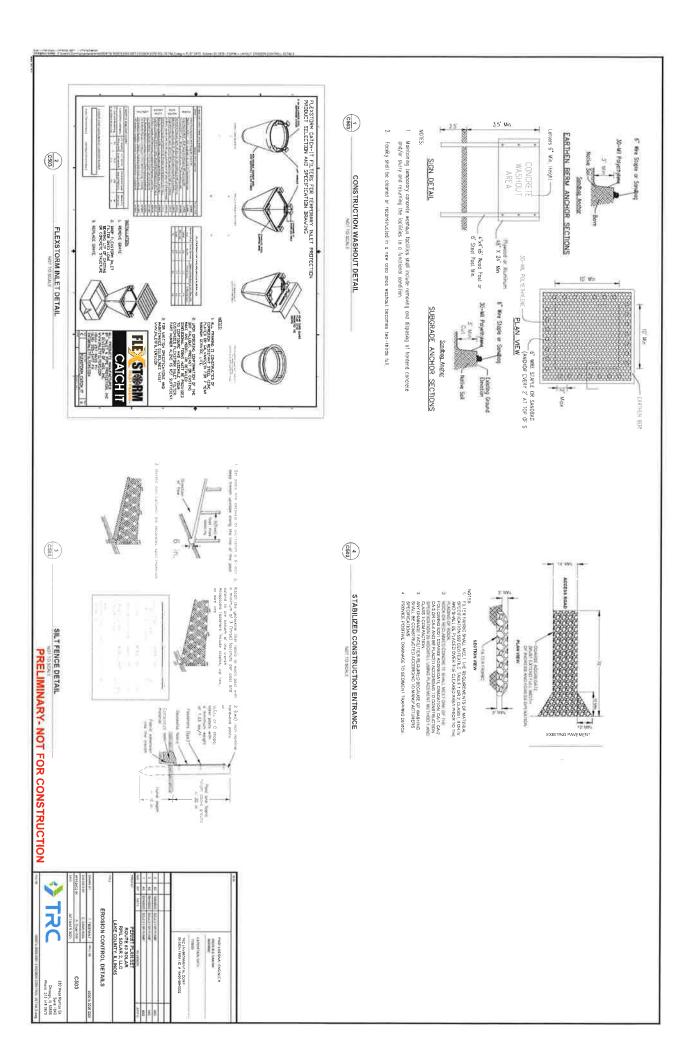


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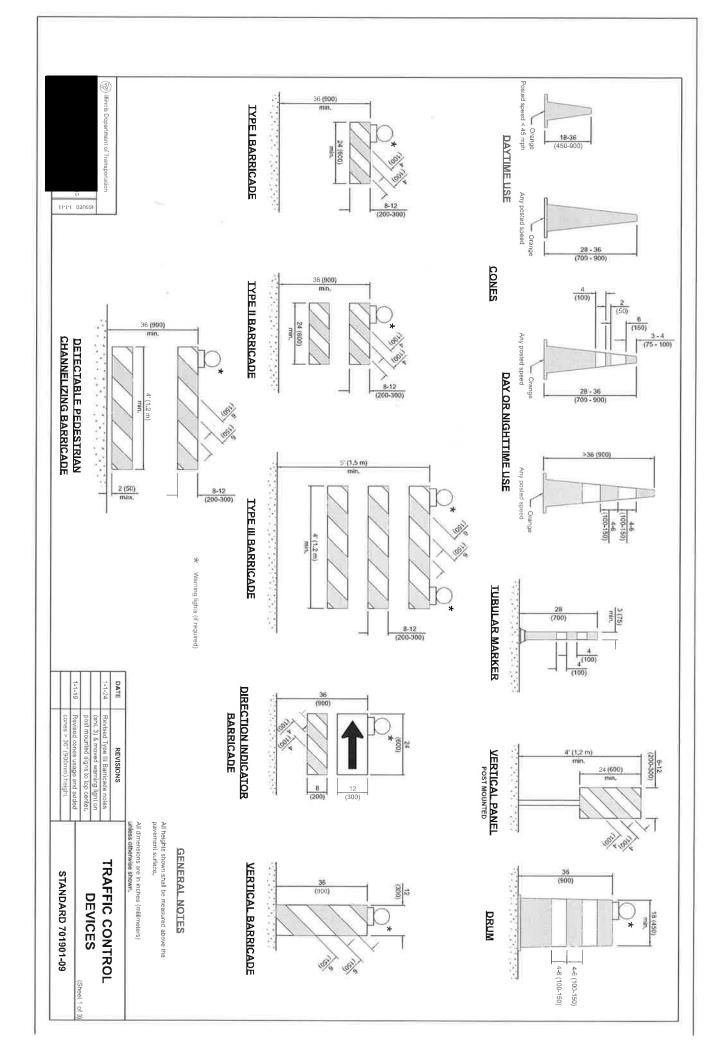
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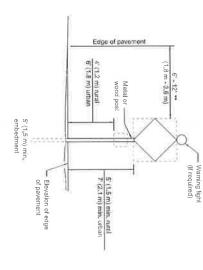
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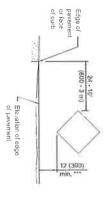
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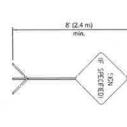


POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1,8 m) to the outside edge of the paved shoulder,



SIGNS ON TEMPORARY SUPPORTS



END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of pro-

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES G20-I104(0)-6036

END CONSTRUCTION G20-I105(0)-6024

Dual sign displays shall be utilized on multi-lane highways.

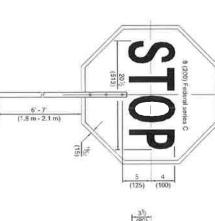
HIGH LEVEL WARNING DEVICE

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min, i located behind other cervices, the height shall be sufficient for be seen completely above the devices.



(125)

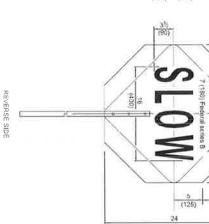
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X MILES

WIDTH

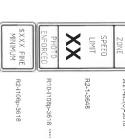
AHEAD



FLAGGER TRAFFIC CONTROL SIGN

FRONT SIDE





Sign assembly as shown on Standards or as allowed by District Operations.

WORK ZONE SPEED LIMIT 8 G20-I103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION

**** R10-1108p shall only be used along roadways under the juristiction of the State...

SPEED ZONE SIGNS

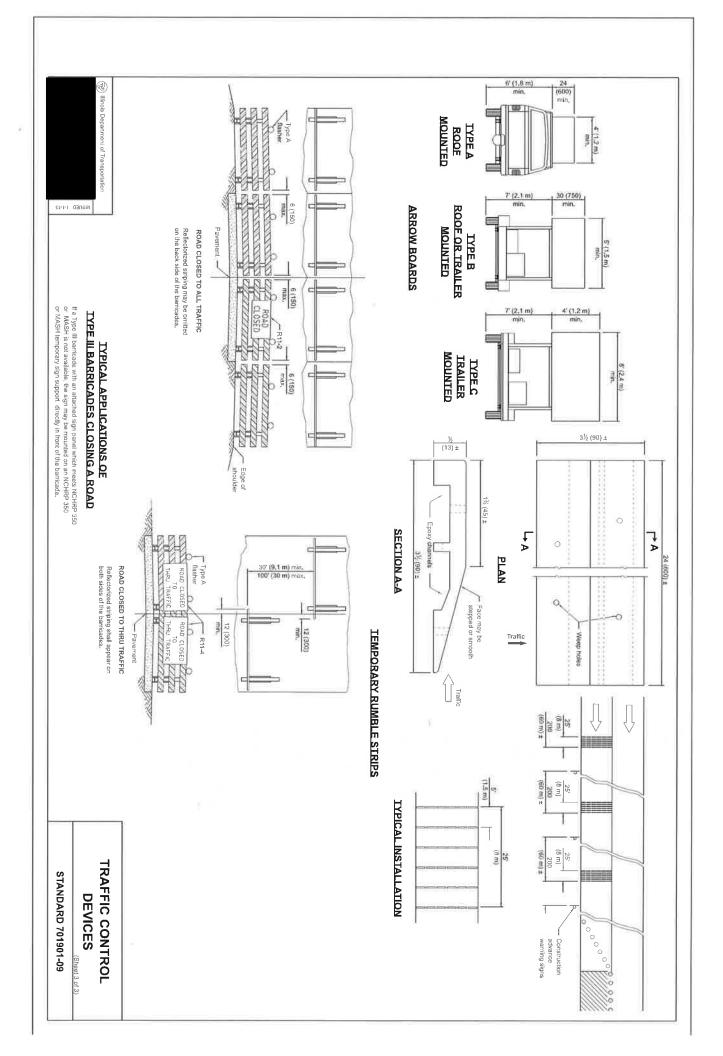
TRAFFIC CONTROL **DEVICES**

STANDARD 701901-09



WIDTH RESTRICTION SIGN XX'-XX" width and X miles are variable.

W12-I103-4848



Rowley, Anne

Haydel, Yeleina l Thursday, October 19, 2023 8:36 AM

From: Sent:

 $\frac{7}{2}$

Subject:

Rowley, Anne

Jim Auld; Graham, Andy; Shirani, Roozbeh

[EXTERNAL] RE: RPIL- Route 83 IDOT Approval

This is an External email. Do not click links or open attachments unless you validate the sender and know the

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy

Good morning Anne

applications for sites in McHenry and Kane Counties. I have cc'd Roozbeh Shirani, Area Permit Engineer for I will not be reviewing this permit application as it is for a site located in Lake County. I only review permit Lake County, who will be able to help you with this submittal

THANK YOU,

YELEINA I. HAYDEL
ILLINOIS DEPARTMENT OF TRANSPORTATION
BUREAU OF TRAFFIC - PERMITS SECTION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196
847.705.4145

From: Rowley, Anne
Sent: Wednesday, October 18, 2023 3:43 PM
To: Haydel, Yeleina I <
Cc: Jim Auld <
Subject: [External] RPIL- Route 83 IDOT Approval

Good Afternoon Yeleina,

wide gravel access driveway as part of RPIL Solar 2, LLC (The Project) located approximately 715 feet West of IL-83 that the District issue an approval letter to utilize the existing driveway as Lake County Planning is asking for some type extends an existing driveway located on IL-83. No construction is proposed at the entrance of the existing driveway (Illinois Route 83) in Fremont Township, Illinois. Please note that, per the attached drawings, the proposed access TRC, on behalf of Renewable Properties, is pleased to submit our highway permit application for the proposed 12-footof approval from the District as part of our CUP approval. connected onto IL-83. We are requesting, upon review, concurrence that a permit is not required. In its place we ask

Additionally, I am sending two hard copies of the attached PDF over to the District's office (201 West Center Court, Schaumburg, IL) for documentation as well.

Please let me know if there are any questions or concerns as you review

ROUTE 83 SOLAR PROJECT 4.1 MW (AC) SOLAR FACILITY DECOMMISSIONING PLAN

29473 State Route 83,

Fremont Township, Lake County, Illinois 60030







Renewable Properties, LLC

Prepared By:

TRC

230 West Monroe Street

Chicago, IL 60606

P/N: 500015.0000.0001, P3

MARCH 2023



PRELIMINARY DECOMMISSIONING PLAN AND COST ESTIMATE Renewable Properties, LLC Route 83 Solar

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Route 83 Solar Renewable Properties, LLC

BACKGROUND

gravel access road. The Facility will produce power using PV panels, mounted on ground support solar arrays, perimeter security fencing, concrete pads for transformers and switch gears, and a acres over approximately 28 acres of agricultural land. The Facility will include ground-mounted, galvanized piles (MW) alternating current (AC) solar electrical array covering a total area of approximately 18.86 of State Route 83 and south of West Winchester Road. The Facility will consist of a 4.1-megawatt Solar Farm located on State Route 83 within Lake County, Illinois. The project site is located west the Route 83 Solar facility (Facility), a photovoltaic (PV) facility, Solar Energy System (SES) or (Operator/Owner), TRC has prepared this decommissioning plan and cost estimate (the Plan) for On behalf of Renewable Properties, LLC (Developer) and Route 83 - RPIL Solar 2, LLC

for approval of the Conditional Use Permit application of Route 83 Solar. accordance with the Lake County Solar Energy Systems Ordinance 19-1378, passed 9-10-2019 operations of the SES. This decommissioning plan and cost estimate has been prepared in debris, underground foundations, and cables and restore soil and vegetation after termination of document outlines the decommissioning activities required to remove above-ground structures, as described herein and subject to the Lake County Zoning Ordinance (Ordinance). This construction cost estimate for a decommissioning financial assurance mechanism of the Facility The purpose of this Plan is to provide the general scope of decommissioning work as well as a

Bureau of Labor statistics along with previous decommission plan estimates completed for other the labor costs have been estimated using regional labor rates and labor efficiencies from the similar projects transport costs, disposal fees, equipment rental, contractor's overhead, and contractor's profit; decommissioning process. The reported costs include labor, materials, power conditioning equipment removal, and corresponding salvage, which reflect the overall generally include contractor fees, sitework removal & restoration, racking & module removal, in the design and construction of energy facilities and are subject to final engineering. Costs features, panels, racking, and electrical equipment from the preliminary plan set and experience The attached decommissioning cost estimate was prepared based on estimated quantities of site taxes, insurance,

Owner/Operator

independent decommissioning plan electrical engineering plans. TRC is the consultant responsible for the preparation of the Route 83 - RPIL Solar 2, LLC will be responsible for the ensuring completion of final civil and

Facility Description

security fence surrounding the solar panels and electrical equipment. The site can be accessed via lock-controlled gates located on the proposed gravel access road. The Facility will include the 18.68 acres over approximately 28 acres of agricultural land. The Facility will be secured within a The Facility will consist of a 4.1 MW AC solar electrical array covering a total area of approximately

Renewable Properties, LLC Route 83 Solar

- solar panels); Total site development area with solar panels, associated electrical equipment, racking, and a gravel access road of approximately 18.68 acres; (fenced area with approximately 9,776
- Two (2) concrete electrical pads with transformers, and switchgears
- 12-foot-wide gravel access road and turnaround.
- Seven (7)-foot Fixed-Knot, Woven Wire Agricultural fencing (encasing entire project area);
- Above-ground electrical wire conduits; and
- Underground electrical wire conduits.

DECOMMISSIONING ACTIVITIES

The Facility will be decommissioned by completing the following major steps:

- 1. Removal of modules, racking, and piles;
- 2. Removal of cabling, trays, and electrical equipment
- 3. Removal of concrete pads, foundations, fence, and debris;
- 4 Removal of the gravel access road (if required by the landowner);
- 5. Site stabilization by placing soil and reseeding; and
- 6. Removal and Disposal or Recycling of materials

agricultural productivity or pre-existing conditions The procedures for decommissioning of the project will involve restoring soils and vegetation to

Schedule

depending on weather and soil moisture conditions and is intended to occur outside of the winter The decommissioning process is estimated to take approximately two (2) months but may change

Decommissioning During Construction (Abandonment of Project)

the site will be restored to a vegetated condition. plan. Any installed components will be removed and managed, as per the following sections, and restart for more than twelve (12) months, the project would be decommissioned as follows in this If construction or operation activities cease prior to facility completion, with no expectation to

Decommissioning After Ceasing Operation

shall be provided by the owner or operator to the county by certified mail. activities discussed below. The proposed date of discontinued operations and plans for removal removed and reused/recycled where possible, and the site restored in accordance with the shall be considered a "cessation or abandonment of operations". Installed components will be if the facility has not been in operation and stops producing energy for a period of 150 days, it Properly maintained PV panels have an expected lifespan of thirty-five (35) years. At this time or

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Renewable Properties, LLC

Route 83 Solar

Offsite Impacts During Decommissioning

with the project's construction, road traffic in the area may increase temporarily due to crews and equipment movements. Further details of the on-site restoration are included in subsequent the support piles. Work hours are assumed to be eight (8) hours a day, during daylight. Also, as steps will be followed to minimize the disturbance, such as using proper equipment for removing As with the project's construction, noise levels during the decommission work will increase. Proper

Dismantlement and Demolition

electrical components, road(s), foundations, pilings, and any other associated facilities. This will include removal of all items identified in the decommissioning activities above Decommissioning shall include removal of all solar electric systems, buildings, ballasts, cabling,

demolished and disposed of. resale monetary value, these components will be dismantled and disassembled rather than being re-saleable components, including copper, aluminum, galvanized steel, and panels. Due to their A significant amount of the components of the PV system at the Facility will include recyclable or

area landfills, which may be amended from time to time. Any materials deemed to be hazardous structures will be removed. Disposal of these materials at a landfill will be governed by federal, supports. Then panels, inverters, transformers, meters, fans, lighting fixtures, and other electrical at the time of disposal will be handled and disposed according to applicable laws and regulations. state, and local laws, including the Code of Illinois Regulations governing waste disposal at local the panel and then removed from their framework by cutting or dismantling the connections to the through them before proceeding. All electrical connections to the panels will be disconnected at disconnected and all connections will be tested locally to confirm that no electric current is running disconnecting the Facility from the utility, all electrical connections to the system will be Following coordination with the local utility company regarding timing and required procedures for

piles will be completely removed and recycled. The PV mounting system framework will be dismantled and recycled. The galvanized support

underground cables, which will be removed or recycled disposal. This will include the site fence, gates, access road(s), equipment foundations, and Finally, all associated structures will be demolished and removed from the site for recycling or

stabilization thresholds on the entire site shall be met prior to approval of site decommissioning. its entirety, and clean concrete will be crushed and disposed of or recycled off-site. Final soils and seeding. All concrete associated with the Facility on-site will be broken and removed in remove the access roads and all non-adaptable parts of the project to a minimum depth of 42" as Underground conduits and raceways are to be removed. Above ground lines and poles that are required by the Agricultural Impact Mitigation Agreement (AIMA) and restore this area with native in place for their continued use. If the access road is deemed unnecessary, the contractor will Consultation with the landowner and the county will determine if the access roads should be left

Renewable Properties, LLC

Route 83 Solar

provided on-site for the workers conducting the decommissioning of the Facility. fuses, metering) and holes will be filled with clean topsoil. Temporary sanitary facilities will be not owned by the utility will be removed, along with associated equipment (isolation switches,

stabilization. The owner/operator will restore the project location to a vegetated condition consistent with pre-construction conditions. measures include Erosion and sediment control measures are required during the decommissioning process. These construction access, silt fence, concrete washout stations, and land

Disposal or Recycle

subcontractors and waste firms to segregate material to be recycled, reused and/or disposed of contractor will maximize materials will be removed and disposed of off-site at an appropriate facility. The project general galvanized steel, and the PV panels. Due to their resale monetary value, these components will amount of the materials used in a solar facility are reusable, including copper, aluminum, properly. be dismantled and disassembled rather than being demolished and disposed. Any remaining During the decommissioning phase, a variety of excess materials can be salvaged. A significant recycling and reuse and will work with manufacturers, local

equipment for salvage value piles, PV panels, panel tracker equipment, AC and DC wiring, inverters, and miscellaneous The project developer will be responsible for arranging the collection or recycling of fence, racking

will be conducted to verify removal of debris and/or trash generated within the site during the waste management regulations. A final site walkthrough with the appropriate local authorities have been wind-blown to areas outside the immediate footprint of the facility being removed decommissioning process and will include removal and proper disposal of any debris that may the appropriate facilities for recycling and disposal in accordance with federal, state, and local geotextile fabric, concrete, and debris need to be separated and transported off-site by truck to Gravel may be reused as general fill on site with landowner approval. Remaining gravel

Removal of Landscape Materials and Site Stabilization:

time of year that planting would occur. and/or rye grass seeds. The actual seed blend will depend on factors including availability and during the decommissioning process. The seed mix is expected to be a blend of various fescue application of a selected grass seed mix to surfaces disturbed (estimated to be 50% of the site) grading (no imported soil is anticipated), to establish a uniform slope and stabilization, including The areas of the Facility that are disturbed (during decommissioning) will be subject to minor re-

assumed that major site grading activities are not proposed as part of the project. Imported fill will other beautification are not expected to be required and are not included in the costs. It is Conservation District. Planting trees, shrubs, and other woodsy vegetation (re-forestation) or discussed with the property owner, Lake County, and the McHenry-Lake County Soil and Water It is expected that soil and vegetation will be restored to pre-existing conditions. Details will be

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Renewable Properties, LLC

Route 83 Solar

Construction General Permit and the Watershed Development Permit. requirements and the approved Storm Water Pollution Prevention Plan (SWPPP)NPDES regards to site restoration (from construction, demolition, and traffic damage) and access drives be provided, if necessary, to restore to original conditions. Only minor grading is anticipated with removal. All site stabilization activities will be completed in accordance with regulatory

PERMITTING REQUIREMENTS FOR DECOMMISSIONING

assumes the same approvals are required when decommissioning occurs in the future. The local, state, and federal regulations at the time of decommissioning. permitting requirements listed below will be reviewed and might be subject to revisions based on Approvals are currently required prior to initiation of ground-disturbing activity. This cost estimate

National Pollutant Discharge Elimination System (NPDES) Construction General Permit

preparation of a Storm Water Pollution Prevention Plan, including erosion and sedimentation U.S. Environmental Protection Agency - Ground disturbance of greater than 1 acre requires

Lake County Stormwater Management Commission (SMC) Watershed Development Permit

Lake County Stormwater Management Commission (SMC) - Ground disturbance of greater than 5,000 square feet of soil requires preparation of a SWPPP and permit application.

Building Permit

any construction, alteration, repair, demolition, or change to the use or occupancy of a building. A building permit is required to construct the facility. A building permit must also be obtained for

Permit Requirement Assumptions

temporary laydown areas, are required within areas subject to additional local, state, or federal No significant ground disturbance or grading associated with decommissioning, including permitting.

SOLAR DECOMMISSIONING ESTIMATE

medium voltage equipment, electrical equipment posts, and customer owned utility poles miscellaneous tracker equipment, AC and DC wiring, combiner boxes, inverters, transformers, The following items can be salvaged and recycled: fence material, racking piles, PV panels,

provided actual salvage values and previous experience with similar projects. estimated using publicly available data (e.g., http://www.scrapmonster.com), as well as industry (FEMA) published Schedule of Equipment Rates, 2021. The salvage value rates have been estimated using publicly available data from the Federal Emergency Management Agency equipment rates and credits for salvaging project material in 2023. The equipment rates have The decommissioning cost estimate is based on 2023 Lake County prevailing labor rates

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Renewable Properties, LLC Route 83 Solar

The estimated costs utilize hourly and monthly rates listed below:

2022 Wages

- Labor at \$48.15/hr;
- Operating engineer at \$59.10/hr;
- Truck driver at \$42.64/hr
- Electrician at \$47.27/hr;
- Skid steer rental at \$2,350.00/month;
- Excavator rental at \$4,925.00/month; and
- Dump truck rental at \$52.96/hr

2022 Salvage Values

- Steel (e.g., fence, racking, posts) at \$0.15/lb.;
- PV panels at \$5/panel;
- Electrical components (e.g., combiner boxes, inverters, transformer) at \$0.28/lb.;
- DC wiring (copper) at \$1.50/lb.; and
- AC wiring (copper and aluminum) at \$1.31/lb

\$271,576. The detailed costs are attached. wages is \$383,715. The material salvage value is \$112,139 for a net decommissioning cost of The estimated cost of construction activities associated with decommissioning using current

affect the scope and costs of Facility decommissioning. The opinion of probable costs is based permitting purposes dated December 1, 2022. Changes to the plans and construction details may engineering/construction. on experience The attached preliminary decommissioning cost estimate is based on the preliminary plans for in the design and construction of energy facilities and are subject to final

and the bonds may need to be modified accordingly to cover said cost. increase the costs associated with decommissioning, the cost estimate may need to be revised, feasibility of recycling and or environmental implications of hazardous waste changes to If at any time in the future, the prevailing professionally accepted standards of economic

decommissioning of photovoltaic facilities will lead the effort. The reported costs include labor materials, taxes, insurance, transport costs, equipment rental, contractor's overhead, and This opinion assumes a third-party contractor, experienced in the construction and

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Renewable Properties, LLC Route 83 Solar PRELIMINARY DECOMMISSIONING PLAN AND COST ESTIMATE

plan estimates completed for other similar projects. efficiencies that have been published for the local area along with previous decommissioning contractor's profit; the labor costs have been estimated using regional labor rates and labor

acknowledges that it has reviewed this Decommissioning Plan, and approves of the same, and agrees to be bound by the terms and conditions contained therein. Route 83 - RPIL Solar 2, LLC, by its duly authorized representative's signature below, hereby

| Authorized Representative: |
|----------------------------|
| Print Name: |
| Title: |
| Date: |
| |

Decommissioning Cost Estimate Route 83 Solar

| | | Estimated | ი | Cost per Unit | ĭ | Total Gross | Sal | Salvage Value | 7 | Net Costs |
|--|------|-----------|-------|---------------|---------------|-------------|-----|---------------|---------------|-------------|
| Task | Unit | Quantity | | 2022 | 0 | Cost 2022 | | 2022 | | 2022 |
| Engineering & Permitting | LS | _ | B | 11,250.00 | 4 | 11,250,00 | | | မှ | 11,250.00 |
| Mobilization | LS | _ | S | 24,719.60 | \$ | 24,719.60 | | | S | 24,719.60 |
| Silt Fence | 두 | 3,840 | S | 2.50 | ↔ | 9,600.00 | | | 4 | 9,600.00 |
| Access Road Removal & Restoration | SF | 14,050 | S | 3.60 | ↔ | 50,580,00 | | | ↔ | 50,580.00 |
| Equipment Pad & Restoration | EA | 2 | \$ | 900.00 | ↔ | 1,800.00 | | | (S | 1,800.00 |
| Seed Disturbed Areas (50% disturbed are AC | AC | 10 | €9 | 977.00 | \$ | 9,770.00 | | | 69 | 9,770.00 |
| Fence Removal | 두 | 3,840 | S | 3.00 | B | 11,520.00 | ь | (2,856.96) | S | 8,663.04 |
| Site Clean Up | AC | 20 | S | 270.00 | () | 5,400.00 | | _ | ca | 5,400.00 |
| Rack and Post Removal | ΕA | 1,500 | S | 90.00 | 4 | 135,000.00 | ↔ | (56,250.00) | 4 | 78,750.00 |
| Remove Panels | EA | 9,776 | \$ | 3.50 | ↔ | 34,216.00 | ₩ | | | (12,220.00) |
| AC Wiring-Direct Burrial and Overhead | 두 | 6,400 | ↔ | 0.17 | ↔ | 1,109.35 | ↔ | (754.56) | ↔ | 354.79 |
| DC Wire Removal | 두 | 47,300 | S | 0.50 | ↔ | 23,650.00 | ↔ | | ₩. | 20,812.00 |
| Electrical Disconnect | EΑ | 1 | G | 190.00 | ↔ | 190.00 | | | 69 | 190.00 |
| Combiner Box | EΑ | 33 | S | 210.00 | S | 6,930.00 | ↔ | (406.56) | 69 | 6,523.44 |
| Inverter | EA | 33 | S | 210.00 | ↔ | 6,930.00 | ↔ | $\overline{}$ | ↔ | 6,035.57 |
| Transformer | EA | 2 | G | 500.00 | S | 1 000 00 | ↔ | - | ↔ | (702.40) |
| Batteries | EA | 0 | \$ | 5,000.00 | \$ | (10) | ↔ | (16) | ₩ | ٠ |
| SUBTOTAL | | | | | €9 | 333,664.95 | €9 | (112,138.91) | 49 | 221,526.03 |
| Other Costs | | | | | | | | | | |
| Contractor Profit | % | 8% | | | 4 | 26,693.20 | | | ↔ | 26,693.20 |
| Contractor Overhead & Management | % | 5% | | | \$ | 16,683.25 | | | ↔ | 16,683.25 |
| Contractor Insurance | % | 2% | | | S | 6,673.30 | | | ₩ | 6,673.30 |
| SUBTOTAL | | | | | 49 | 50,049.74 | | | 49 | 50,049.74 |
| DECOMMISSIONING TOTAL | | | | | 9 | 303 744 60 | | | 9 | 274 676 70 |

^{**}Material, equipment and labor costs are estimated utilizing wage and equipment rates from the Illinois Department of Labor, Lake County Prevailing Rates posted 10/3/2022 (Foreman Rate), the FEMA 2019 schedule of equipment rates, and the RS Means Heavy Site Estimating Manual.

Lake County Prevailing Wage Rates posted on 1/18/2023

| | | | | | | | Overtime | ime | | | | | | |
|--------------------------|----------------------------------|-------|----|--------|-------------|-----|----------|-----|-----|-------|---------|------|------|-------|
| Trade Title | Rg | Туре | СВ | Base F | Foreman M-F | | Sa | Su | Hol | H/W F | Pension | Vac | Trng | Other |
| ASBESTOS ABT-GEN | ₽ | ALL | | 47.40 | 48.40 | 1.5 | 1.5 | 2.0 | 2.0 | 17.05 | 15.21 | 0.00 | 0.90 | |
| ASBESTOS ABT-MEC | ≜ | BLD | | 39.60 | 42.77 | 1.5 | 1.5 | 2.0 | 2.0 | 14.77 | 13.59 | 0.00 | 0.86 | |
| BOILERMAKER | \geqq | BLD | | 53.66 | 58.48 | 2.0 | 2.0 | 2.0 | 2.0 | 6.97 | 23.69 | 0.00 | 2.67 | |
| BRICK MASON | \geqq | BLD | | 49.81 | 54.79 | 1.5 | 1.5 | 2.0 | 2.0 | 12.10 | 21.56 | 0.00 | 1.10 | |
| CARPENTER | \triangleq | ALL | | 52.01 | 54.01 | 1.5 | 1.5 | 2.0 | 2.0 | 11.79 | 24.76 | 1.50 | 0.80 | |
| CEMENT MASON | ≜ | ALL | | 48.00 | 50.00 | 2.0 | 1.5 | 2.0 | 2.0 | 11.65 | 28.36 | 0.00 | 0.55 | |
| CERAMIC TILE FINISHER | \geqq | BLD | | 44.18 | 44.18 | 1.5 | 1.5 | 2.0 | 2.0 | 12.25 | 14.77 | 0.00 | 1.00 | |
| CERAMIC TILE LAYER | \geqq | BLD | | 51.44 | 55.44 | 1.5 | 1.5 | 2.0 | 2.0 | 12.25 | 18.48 | 0.00 | 1.08 | |
| COMMUNICATION TECHNICIAN | $\stackrel{\triangle}{=}$ | BLD | | 41.20 | 44.00 | 1.5 | 1.5 | 2.0 | 2.0 | 13.82 | 18.94 | 2.16 | 0.93 | |
| ELECTRIC PWR EQMT OP | $\stackrel{\triangle}{=}$ | ALL | | 47.56 | 64.89 | 1.5 | 1.5 | 2.0 | 2.0 | 7.00 | 13.32 | 0.00 | 1.19 | 1.43 |
| ELECTRIC PWR GRNDMAN | $\stackrel{\triangle}{=}$ | ALL | | 36,53 | 64.89 | 1.5 | 1.5 | 2.0 | 2.0 | 7.00 | 10.23 | 0.00 | 0.92 | 1.10 |
| ELECTRIC PWR LINEMAN | $\stackrel{\triangle}{=}$ | ALL | | 57.17 | 64.89 | 1.5 | 1.5 | 2.0 | 2.0 | 7.00 | 16.01 | 0.00 | 1.43 | 1.72 |
| ELECTRIC PWR TRK DRV | $\stackrel{	riangle}{=}$ | ALL | | 37.86 | 64.89 | 1.5 | 1.5 | 2.0 | 2.0 | 7.00 | 10.61 | 0.00 | 0.95 | 1.14 |
| ELECTRICIAN | $\stackrel{A}{=}$ | BLD | | 43.02 | 47.27 | 1.5 | 1.5 | 2.0 | 2.0 | 15.12 | 25.79 | 6.55 | 0.71 | |
| ELEVATOR CONSTRUCTOR | ≜ | BLD " | | 62.47 | 70.28 | 2.0 | 2.0 | 2.0 | 2.0 | 16.03 | 20.21 | 5.00 | 0.65 | |
| FENCE ERECTOR | $\stackrel{A}{=}$ | ALL | | 46.89 | 48.89 | 1.5 | 1.5 | 2.0 | 2.0 | 13.68 | 17.42 | 0.00 | 0.75 | |
| GLAZIER | $ \stackrel{\text{\tiny A}}{=} $ | BLD | | 48.75 | 50.25 | 1.5 | 2.0 | 2.0 | 2.0 | 15.19 | 24.43 | 0.00 | 1.70 | |
| HEAT/FROST INSULATOR | $ \stackrel{\triangle}{=} $ | BLD | | 52.80 | 55.97 | 1.5 | 1.5 | 2.0 | 2.0 | 14.77 | 16.76 | 0.00 | 0.86 | |
| IRON WORKER | $ \stackrel{\triangle}{=} $ | ALL | | 55.81 | 57.81 | 2.0 | 2.0 | 2.0 | 2.0 | 16.05 | 25.31 | 0.00 | 0.49 | |
| LABORER | $\underline{\mathbb{A}}$ | ALL | | 47.40 | 48.15 | 1.5 | 1.5 | 2.0 | 2.0 | 17.05 | 15.21 | 0.00 | 0.90 | |
| LATHER | A | ALL | | 52.01 | 54.01 | 1.5 | 1.5 | 2.0 | 2.0 | 11.79 | 24.76 | 1.50 | 0.80 | |
| MACHINIST | $\underline{\mathbb{A}}$ | BLD | | 53.18 | 57.18 | 1.5 | 1.5 | 2.0 | 2.0 | 9.93 | 8.95 | 1.85 | 1.47 | |
| MARBLE FINISHER | ₽ | ALL | | 38.00 | 51.41 | 1.5 | 1.5 | 2.0 | 2.0 | 12.10 | 19.60 | 0.00 | 0.60 | |
| MARBLE SETTER | \triangleq | BLD | | 48.96 | 53.86 | 1.5 | 1.5 | 2.0 | 2.0 | 12.10 | 21.03 | 0.00 | 0.78 | |
| MATERIAL TESTER I | $\stackrel{\triangle}{=}$ | ALL | | 37.40 | | 1.5 | 1.5 | 2.0 | 2.0 | 17.05 | 15.21 | 0.00 | 0.90 | |
| MATERIALS TESTER II | \triangleq | ALL | | 42.40 | | 1.5 | 1.5 | 2.0 | 2.0 | 17.05 | 15.21 | 0.00 | 0.90 | |
| MILLWRIGHT | $\stackrel{\triangle}{=}$ | ALL | | 52.01 | 54.01 | 1.5 | 1.5 | 2.0 | 2.0 | 11.79 | 24.76 | 1.50 | 0.80 | |
| OPERATING ENGINEER | $\stackrel{\triangle}{=}$ | BLD | | 55.10 | 59.10 | 2.0 | 2.0 | 2.0 | 2.0 | 22.15 | 19.30 | 2.00 | 2.55 | |
| OPERATING ENGINEER | $\stackrel{\triangle}{=}$ | BLD | 2 | 53.80 | 59.10 | 2.0 | 2.0 | 2.0 | 2.0 | 22.15 | 19.30 | 2.00 | 2.55 | |
| OPERATING ENGINEER | $\stackrel{A}{=}$ | BLD | ω | 51.25 | 59.10 | 2.0 | 2.0 | 2.0 | 2.0 | 22.15 | 19.30 | 2.00 | 2.55 | |
| OPERATING ENGINEER | ≜ | BLD | 4 | 49.50 | 59.10 | 2.0 | 2.0 | 2.0 | 2.0 | 22.15 | 19.30 | 2.00 | 2.55 | |
| | | | | | | | | | | | | | | |

| TRUCK DRIVER | TRUCK DRIVER | TRUCK DRIVER | TRAFFIC SAFETY WORKER II | TRAFFIC SAFETY WORKER I | TERRAZZO MECHANIC | TERRAZZO FINISHER | STONE MASON | STEEL ERECTOR | SPRINKLER FITTER | SIGN HANGER | SHEETMETAL WORKER | ROOFER | PLUMBER | PLASTERER | PIPEFITTER | PILEDRIVER | PAINTER - SIGNS | PAINTER | ORNAMENTAL IRON WORKER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER | OPERATING ENGINEER |
|--------------|--------------|--------------|--------------------------|-------------------------|-------------------|-------------------|--------------|---------------------------|---------------------------|---------------------------|-------------------|--------------|--------------|-----------|--------------|--------------|-----------------|---------|------------------------|---------------------------|--------------------|--------------------|---------------------------|--------------------|--------------------|--------------------------|--------------------|--------------------|--------------------|---------------------------|---------------------------|---------------------------|--------------------|---------------------------|---------------------------|
| | | | ER II | ER I | | | | | | | | | | | | | | | ORKER | | | | | | | | | ,- | • | | | | - | | |
| ≅ | ≜ | ≜ | ALL | \triangleq | ₽ | \triangleq | \triangleq | $\stackrel{\triangle}{=}$ | $\stackrel{\triangle}{=}$ | $\stackrel{\triangle}{=}$ | ₽ | \triangleq | \triangleq | A | \triangleq | \triangleq | $ \triangleq $ | ≜ | \geqq | $\stackrel{\triangle}{=}$ | ≧ | <u>A</u> | $\stackrel{\triangle}{=}$ | \triangleq | \triangleq | $\stackrel{	riangle}{=}$ | | ≅ | ≧ | $\stackrel{\triangle}{=}$ | $\stackrel{\triangle}{=}$ | $\stackrel{\triangle}{=}$ | \geqq | $\stackrel{\triangle}{=}$ | $\stackrel{\triangle}{=}$ |
| ALL | ALL | ALL | ΥWH | YWH | BLD | BLD | BLD | ALL | BLD | BLD | BLD | BLD | BLD | BLD | BLD | ALL | BLD | ALL | ALL | YWH | YWH | ΥWH | YWH | YWH | YWH | YWH | FLT | FLT | FLT | FLT | FLT | FLT | BLD | BLD | BE |
| ω | 2 | _ | | | | | | | | | | | | | | | | | | 7 | 6 | Ŋ | 4 | ω | 2 | _ | 6 | Çī | 4 | ω | 2 | _ | 7 | 6 | U |
| 42.44 | 42.24 | 42.09 | 40.30 | 39.30 | 49.41 | 45.57 | 49.81 | 55.81 | 54.55 | 34.72 | 49.10 | 48.00 | 54.80 | 48.65 | 53.00 | 52.01 | 41.55 | 50.30 | 53.32 | 54.30 | 56.30 | 48.10 | 49.30 | 50.70 | 52.75 | 53.30 | 41.00 | 62.60 | 53.60 | 58.10 | 59.60 | 61.10 | 58.10 | 56.10 | 58.85 |
| 42.64 | 42.64 | 42.64 | 41.90 | 40.90 | 52.91 | 45.57 | 54.79 | 57.81 | 57.30 | 37.50 | 53.03 | 53.00 | 58.10 | 51.57 | 56.00 | 54.01 | 46.67 | 56.59 | 55.82 | 57.30 | 57.30 | 57.30 | 57.30 | 57.30 | 57.30 | 57.30 | 61.10 | 61.10 | 61.10 | 61.10 | 61.10 | 61.10 | 59.10 | 59.10 | 59.70 |
| 1.5 | .51 .51 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 2.0 | 2.0 |
| 1.5 | .5 5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | <u>.</u> 5 | 1.5 | 1.5 | 1.5 | 2.0 | 2.0 | 2.0 |
| 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 11.80 | 11.80 | 11.80 | 9.65 | 9.65 | 12.25 | 12.25 | 12.10 | 16.05 | 14.20 | 6.85 | 13.53 | 11.83 | 16.70 | 11.65 | 11.85 | 11.79 | 3.04 | 14.26 | 14.23 | 22.15 | 22.15 | 22.15 | 22.15 | 22.15 | 22.15 | 22.15 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 22.15 | 22.15 | 22.15 |
| 11.75 | 11.75 | 11.75 | 9.10 | 9.10 | 18.60 | 17.14 | 21.56 | 25.31 | 18.70 | 4.50 | 28.20 | 15.26 | 17.04 | 28.21 | 22.85 | 24.76 | 3.90 | 14.99 | 25.00 | 19.30 | 19.30 | 19.30 | 19.30 | 19.30 | 19.30 | 19.30 | 18.60 | 18.60 | 18.60 | 18.60 | 18.60 | 18.60 | 19.30 | 19.30 | 19.30 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 0.15 | 0.15 | 0.15 | 0.10 | 0.10 | 1.07 | 1.03 | 1.10 | 0.49 | 0.75 | 0.00 | 1.00 | 0.99 | 1.58 | 0.55 | 2.92 | 0.80 | 0.00 | 1.72 | 1.75 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.55 | 2.55 | 2.55 |

| TRUCK DRIVER All ALL | Т | 42.64 | 42.64 | 1.5 | 1.5 | 2.0 | 2.0 | 11.80 | 11.75 | 0.00 | 0.15 |
|----------------------|----------|-------|-------|-----|-----|-----|-----|-------|-------|------|------|
| TUCKPOINTER All BLD | Ö | 49.53 | 50.53 | 1.5 | 1.5 | 2.0 | 2.0 | 9.04 | 21.06 | 0.00 | 1.07 |

_egend

kg Region

Type Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers

Class

Base Base Wage Rate

listed is the multiple of the base wage. OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker

Explanations LAKE COUNTY

on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day,

EXPLANATION OF CLASSES

and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed

All demolition of existing tile floors and walls to be re-tiled. and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings,

COMMUNICATION TECHNICIAN

ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and including outside plant, telephone, security systems and data inside wire, interconnect, terminal equipment, central offices, PABX, Low voltage construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video)

MARBLE FINISHER

which are used on interior and exterior which are installed in a similar manner. tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt

cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork,

OPERATING ENGINEER - BUILDING

Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Placer; Concrete Placing Boom; Concrete Pump Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two

Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks;

Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame. Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators

exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall

Class 7. Mechanics; Welders

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with Wheel Excavator; Widener (APSCO). Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO

Compactor, etc.; Tug Boats Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe

Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two

Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven

total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a **Electric Drill Winches** Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical;

- Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.
- Class 6. Field Mechanics and Field Welders
- Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature
- **OPERATING ENGINEER FLOATING**
- Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge)
- Dredge); Leverman (Hydraulic Dredge); Diver Tender. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic
- more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or
- Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Operator.
- Class 5. Friction or Lattice Boom Cranes.
- Class 6. ROV Pilot, ROV Tender
- TRAFFIC SAFETY Worker I

and/or temporary roadway markings utilized to control traffic in construction zones, as well as flagging for these operations delineators, signs, crash attenuators, glare screen and other such items, and the layout and application or removal of conflicting roadway construction, including such work as set-up and maintenance of barricades, barrier wall reflectors, drums, cones Traffic Safety Worker I - work associated with the delivery, installation, pick-up and servicing of safety devices during periods of

TRAFFIC SAFETY WORKER II

installations performed by hand and installations performed by truck. Work associated with the installation and removal of permanent pavement markings and/or pavement markers including both

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car hauling warning lights, barricades, and portable toilets on the job site Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding

Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles. Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump

Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Turnatrailers or turnapulls when pulling other than self-Ioading equipment or similar equipment over 16 cubic yards; Explosives trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump

Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master

TERRAZZO FINISHER

hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the

Other Classifications of Work:

document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications. special determination being then deemed to have existed under this determination. If a project requires these, or any which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If

LANDSCAPING

performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work landscape plantsman and landscape laborer is covered by the existing classification of laborer. Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by The work performed by

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

job duties as the classification entitled "Material Tester/Inspector II" as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties

| 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | _ | |
|---|-------------------------------|---------------------------------------|---|---|-----------------|----------------------|--------------------------------|---|---------------------|------------------|------------------|-----------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------|------------------|---|
| 8065 | 8064-1 | 8064 | 8063 | 8062 | 8061 | 8060 | 8053 | 8052 | 8051 | | 8050 | 8041 | 8040 | 8017 | 8016 | 8015 | 8014 | 8013 | 8012 | 8011 | 8010 | Cost Code | Α |
| 8065 Auger | Hydraulic Sign Post Driver | Hydraulic Sign Post Driver | Auger, Truck Mounted | Auger, Tractor Mounted | Auger, Portable | 8060 Auger, Portable | Solar Powered Message Board | Solar Powered 8052 Arrow/Message Board | 8051 Message Board, | Gasoline Powered | Board, Arrow | Ambulance | 8040 Ambulance | 8017 Air Compressor | 8016 Air Compressor | 8015 Air Compressor | 8014 Air Compressor | 8013 Air Compressor | 8012 Air Compressor | 8011 Air Compressor | Air Compressor | Equipment | В |
| Horizontal Directional Boring Machine | Drophammar (D) | Greenlee; HPD- HV-U | Max. Auger Size | Max. Auger Diameter | Hole Diameter | Hole Diameter | PCMS-1500 | SMC 5000 Mast- Mini | | | | | | Air Delivery | Air Delivery | Specifications | С |
| 250 X 100 | 8" x 8" x 10" | W/ 13 Hp power unit, 2ksi preasure | 24 In | 36 ln | 18 ln | 16 ln | Full Matrix Board, Display | Mini Matrix Board, Smaller 3' x 6' Display | | | | | | 1600 CFM | 1100 CFM | 575 CFM | 400 CFM | 175 CFM | 130 CFM | 103 CFM | 41 CFM | Capacity or Size | D |
| 300 | to 100 | 13 | to 100 | to 13 | to 13 | to 6 | | | to 5 | | to 8 | to 210 | to 150 | to 500 | to 355 | to 230 | to 145 | to 90 | to 50 | to 30 | to 10 | # | ш |
| DD-140B YR-2003 | Guard Rail Post | w/Double Hose Assembly hour | Includes digger, boom & mounting hardware and Tractor rate. | Includes digger, boom & mounting hardware | | | | | Trailer Mounted. | 7.7 | Trailer Mounted. | | | Hoses included. | Hoses included. | Hoses included, | Hoses included. | Hoses included: | Hoses included. | Hoses included. | Hoses included. | Notes . | F |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | Jint T | G |
| \$241.89 | \$35.27 | \$5.69 | \$35.68 | \$3.29 | \$4.34 | \$1.95 | \$5.10 | \$4.00 | \$11.39 | - | \$5.65 | \$41.76 | \$28.48 | \$103.33 | \$100.54 | \$56.30 | \$36.88 | \$18.65 | \$11.50 | \$9.67 | \$1.31 | 2021 Rate | T |

| hour \$20.77 hour \$20.77 hour \$19.97 hour \$52.53 hour \$49.03 | nal nal | to 250 210 285 to 300 360 375-450 to 350 | EcoBoost V-6 Military Surplus Vehicle gvwr 55000 Lbs | Rescue Multi-Theater (Military Surplus)Vehicle | 8078 Vehicle 8079 MRAP C-MTV | 80. | 38 |
|--|---------------------------|---|---|---|-----------------------------------|---------|----|
| | | to 250 210 285 to 300 360 375-450 | EcoBoost V-6 Military Surplus Vehicle | Rescue Multi-Theater (Military | 7/8 Vehicle | | |
| | e operational | to 250 210 285 to 300 360 375-450 | EcoBoost V-6 Military Surplus Vehicle | Rescue |)/8 Vehicle | | |
| | e operational | to 250 210 285 to 300 360 | EcoBoost V-6 Military Surplus | | | 80. | 37 |
| | | to 250 210 285 to 300 360 | EcoBoost V-6 | Search and | MRAP Armored Rescue | | |
| | | to 250 210 285 to 300 | | Center | 8077 Expedition | 80 | 36 |
| | | to 250 210 285 to 300 | | Fire Command | Automobile - Ford | | |
| | | to 250 210 | | 6 or 8 cl | 8076 Trailblazer | 80. | 35 |
| | | to 250 210 | | | 8075 Motorcycle, Police | 80 | 34 |
| | | to 250 | | Ford Explorer | 8074 Automobile, Police | 80 | 33 |
| hour \$16.27 | , , , | | | | 8073 Automobile, Police | 80 | 32 |
| | Stationary with engine | | | | | | |
| ile \$0.56 | Patrolling. mile | to 250 | | | 8072 Automobile, Police | 80 | 31 |
| hour \$12.60 | Transporting cargo. ho | to 130 | | | 8071 Automobile | 80 | 30 |
| | Transporting people. mile | to 130 | | | 8070 Automobile | 80 | 29 |
| hour \$43.77 | ho | | | 2815 | 8068-2 Bush Hog | 8068 | 28 |
| | | | Flex Wing Rotary | Bush Hog - Model | | | |
| hour \$29.14 | ho | | & Offset Model | 3210 | 8068-1 Bush Hog | 8068 | 27 |
| | | | Lift, Pull, Semi-Mount | Bush Hog - Model | | | |
| hour \$20.90 | ho | | Cutters | 326 | 8068 Bush Hog | 80 | 26 |
| | | | Single Spindle Rotary | Bush Hog - Model | | | |
| hour \$93.30 | ho | 125 | ft/lb | D24X40A (disc. 2001) | Directional Boring 8067-1 Machine | 8067 | 25 |
| | | | : : | Vermeer | - | | |
| hour \$43.80 | JT920L (2013) ho | 45 | 7,000 - 10,000 lbs | Boring Machine | 8067 Boring Machine | 80 | 24 |
| | | | | Auger, Directional | Auger, Directional | | |
| hour \$34.30 | Average to 7,000 lbs ho | 24 | 50 X 100 | Directional Boring Machine | 8066 Auger | 80 | 23 |
| | | | | Horizontal | | | |
| nit 2021 Rate | Notes Ur | de | Capacity or Size | Specifications | ode Equipment | Cost Co | |
| _ല | F | т | D | 0 | В | Α | |

| U4.11C¢ | | Jecci. | LO TODO | 00 VE = VO | 1 | | | |
|-----------|------|------------------|----------|------------------|---|--|--------|----|
| , LLC3 | 7 | Stop | to 1050 | 60'x21'x5' | Size | Tow | | 58 |
| \$335.23 | hour | Steel. | to 870 | 55'x20'x5' | Size | 8120 Boat, Tow | | 57 |
| \$132.11 | hour | Push by Tug-Boat | 0 | 160'x45'x11" | Size | 8113 Barge, Deck | | 56 |
| \$109.11 | hour | Push by Tug-Boat | 0 | 120'x45'x10' | Size | 8112 Barge, Deck | | 55 |
| \$56.53 | hour | Push by Tug-Boat | 0 | 50'x35'x9' | Size | 8111 Barge, Deck | | 54 |
| \$52.73 | hour | Push by Tug-Boat | 0 | 50'x35'x7.25' | Size | 8110 Barge, Deck | | 53 |
| \$27.00 | hour | | | | Honda Pioneer- 1000-3 | 8091 All Terrain Vehicle | | 52 |
| \$26.30 | hour | | | | Polaris-Ranger 900 | 8090 All Terrain Vehicle | | 51 |
| \$15.00 | hour | | 44-46 | | Engine 750cc, 4- Wheel; 25" tyre | 8089 All Terrain Vehicle (ATV) | | 50 |
| \$14.05 | hour | | 38-40 | | Engine 650cc, 4- Wheel; 25" tyre | 8088 All Terrain Vehicle (ATV) | | 49 |
| \$13.25 | hour | | 26-28 | | Engine 450cc, 4- Wheel; 25" tyre | 8087 All Terrain Vehicle (ATV) | | 48 |
| \$12.37 | hour | | 26-28 | | Engine 400cc. 4- Wheel; 25" tyre | 8086 All Terrain Vehicle (ATV) | | 47 |
| \$10.81 | hour | | 18-20 | | Engine 300cc, 4- Wheel; 24" tyre | 8085 All Terrain Vehicle (ATV) Wheel; 24" tyre | | 46 |
| \$9.95 | hour | | 15-17 | | Engine 250cc, 4- Wheel; 24" tyre | 8084 All Terrain Vehicle (ATV) | | 45 |
| \$9.36 | hour | | 12-14.0 | | Engine 200cc, 4- Wheel; 24" tyre | 8083 All Terrain Vehicle (ATV) | | 44 |
| \$8.80 | hour | | 9.0-10.0 | | Engine 150cc, 4- Wheel; 22" tyre | 8082 All Terrain Vehicle (ATV) | | 43 |
| \$8.79 | hour | | 7.6-8.6 | | Engine 125cc, 4- Wheel; 21" tyre | 8081 All Terrain Vehicle (ATV) | | 42 |
| \$8.35 | hour | | 6.5-7.5 | | Engine 110cc, 4- Wheel; 20" tyre | 8080 All Terrain Vehicle (ATV) Wheel; 20" tyre | | 41 |
| \$54.00 | hour | | 320 | | Police Armored Rescue/SWAT Team Vehicle | MRAP- BAE CAIMAN II 8079-2 Model | | 40 |
| 2021 Rate | Unit | Notes . | 445 | Capacity or Size | Specifications | Code Equipment | Cost (| _ |
| I | G | F | E | D | C | В | А | |

| hour | | to 100 | 96 In | Broom Length | 8151 Broom, Pavement | 82 |
|------|--------------------------------|---------|-----------------------|-----------------|------------------------|---------|
| hour | | to 37 | | Self Propelled | 8150 Pavement Brooms | |
| hour | | 15 | | shaft | Boat, Removable Engine | |
| | | | | w 15" | | |
| | | | | Outboard Motor | | |
| hour | | 190-250 | 11 passenger capacity | 1544 lbs | 8148 Boat, Runabout | 79 8 |
| hour | | 0 | | Zodiac | 8147 Raft | 78 |
| hour | | | | | 8146 Jet Ski | 77 8 |
| hour | | | | 3-seater | 8145 Jet Ski | |
| hour | | to 700 | 51 Ft | | 8144 Boat, Tug | |
| hour | | to 380 | 40 Ft | Length | 8143 Boat, Tug | 74 8 |
| hour | | to 250 | 26 Ft | Length | 8142 Boat, Tug | 73 8 |
| hour | | to 175 | 18 Ft | Length | 8141 Boat, Tug | 72 8 |
| hour | | to 100 | 16 Ft | Length | 8140 Boat, Tug | 71 8 |
| hour | Flat hull. | to 870 | 64'x25'x8' | Size | 8136 Boat, Push | 70 8 |
| hour | Flat hull. | to 705 | 58'x24'x7.5' | Size | 8135 Boat, Push | 8 |
| hour | Flat hull | to 525 | 54'x21'x6' | Size | 8134 Boat, Push | 68 |
| hour | Flat hull, | to 435 | 45'x21'x6' | Size | 8133 Boat, Push | 67 8 |
| hour | Inboard with 360 degree drive. | to 100 | 14'x7' | Size | 8132 Boat, Tender | 8 |
| hour | Outboard. | to 50 | 13'x5' | Size | 8131 Boat, Runabout | 65 |
| hour | Heavy duty. | 0 | | | 8130 Boat, Row | 64 8 |
| hour | | 360 | | Conquest | 8126 Swamp Buggy | 63 8 |
| hour | | 425 | 15'x8' | w/spray unit | 8125 Airboat | 62 8 |
| hour | | 400 | 15'x8' | w/spray unit | 8124 Airboat | 61 8 |
| | | | | 815AGIS Airboat | | |
| hour | Steel. | to 2000 | 120'x34'x8' | Size | 8123 Boat, Tow | 60 60 |
| hour | Steel. | to 1350 | 70'x30'x7.5' | Size | 8122 Boat, Tow | 59 8 |
| Unit | Notes | Ŧ | Capacity or Size | Specifications | Code Equipment | 13503 |
| 9 | F | Е | D | С | В | A |

| 101 8193 Skidder | | 100 8192 Chain Saw | | | | | | | | | | 82 | | | 80, | 8 | 90 | | | | 88 |
|------------------|----------------|---------------------------|----------------|-------------------------------|---|---|---|---|---|---|---|--|--|---|--|---|--|---|--|--|---|
| 8193 Skidder | 8192 Chain Saw | | 8191 Chain Saw | 8190 Chain Saw 8191 Chain Saw | 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8188 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8185 Walk-Behind Blower 8187 Chainsaw 8188 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8188 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8183-1 Mosquito Sprayer 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8188 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8183 Blower 83-1 Mosquito Sprayer 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8188 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8183 Blower 83-1 Mosquito Sprayer 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8182 Bus 8183 Blower 83-1 Mosquito Sprayer 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8181 Bus 8182 Bus 8183 Blower 83-1 Mosquito Sprayer 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8180 Bus 8181 Bus 8182 Bus 8182 Bus 8183 Blower 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8158 Sweeper, Pavement 8180 Bus 8181 Bus 8182 Bus 8183 Blower 8184 Back-Pack Blower 8185 Walk-Behind Blower 8186 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8157 Sweeper, Pavement 8158 Sweeper, Pavement 8180 Bus 8181 Bus 8182 Bus 8183 Blower 8184 Back-Pack Blower 8185 Walk-Behind Blower 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8155 Broom, Pavement 8157 Sweeper, Pavement 8158 Sweeper, Pavement 8180 Bus 8181 Bus 8182 Bus 8182 Bus 8183 Blower 8184 Back-Pack Blower 8185 Walk-Behind Blower 8185 Walk-Behind Blower 8187 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8154 Broom, Pavement, Pull 8155 Broom, Pavement 8157 Sweeper, Pavement 8158 Sweeper, Pavement 8180 Bus 8181 Bus 8182 Bus 8184 Back-Pack Blower 8185 Walk-Behind Blower 8185 Chainsaw 8188 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8153 Mounted 8154 Broom, Pavement, Pull 8155 Broom, Pavement 8157 Sweeper, Pavement 8180 Bus 8181 Bus 8181 Bus 8182 Bus 8184 Back-Pack Blower 8185 Walk-Behind Blower 8185 Chainsaw 8189 Chainsaw 8190 Chain Saw 8191 Chain Saw | 8154 Broom, Pavement, 8155 Broom, Pavement, 8157 Sweeper, Pavement 8180 Bus 8181 Bus 8182 Bus 8182 Bus 8183 Blower 8184 Back-Pack Blower 8185 Walk-Behind Blower 8185 Chainsaw 8189 Chainsaw 8190 Chain Saw |
| | | | | | | | | nd Blower | nd Blower | /er | /er | /er | l er | /er | /er | nt /er | /er | nt nt nt | Pull nt nt | Pull nt nt nt | Pull nt nt nt nt |
| Bar Length = | _ | Bar Length = | | Bar Length = | Bar Length = | Bar Length = Bar Length = | Bar Length = Bar Length = Bar Length = | Bar Length Bar Length Bar Length | /er Bar Length Bar Length Bar Length | Guardian 9 /er Bar Length Bar Length Bar Length Bar Length | l ler | /er | ler | /er | l er | nt /er | nt nt | nt nt nt | Pull nt nt | Pull nt nt | Pull nt nt nt |
| 18 in | | Length = 25 in 7.5 | | 2. 7 | 20 in | 20 in 20 in | 20 in 20 in | 20 in 20 in 20 in 20 in 20 in | 20 in 20 in 20 in 20 in | ES 20 in 20 | ES ES 20 in | /ered ce ES 20 in 20 in | /ered ce ES ES 20 in 20 in | /ered ce ce 20 in | /ered //ered ce ce 20 in | /ered //ered | /ered //ered | h //ered | h h h h // Pered | h h h h h h h h h h h h h h h h h h h | h h h h h h h h h h h h h h h h h h h |
| | ì | 7 7 | 2.5 cu in | | 1 6.0 cu in | | 3.0 5.0 | 3.C 5.C | 3.C 5.C | 3.C 5.C | | | | | | | | | | | |
| 3.2 | 00 | | 2 | 7 | | 6 | 6 3 | 3 3 6 | to 4.4 13 3 | to 13 | 27 to 13 13 6 | 27 to 13 3 | to 27 to 13 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | total rate Add Prime Mover cost for total rate | Add Prime Mover cost for total rate Add Prime Mover cost for total rate |
| hour | hour | | hour | hour | hour | | hour | hour | hour hour | hour hour | hour hour | hour hour hour | hour hour hour | hour hour hour hour | hour hour hour hour hour | hour hour hour hour hour hour | hour hour hour hour hour hour hour | hour hour hour hour hour hour hour hour | | | |
| | | \$4.54 | \$2.07 | \$3.60 | \$3.39 | | s | \$ \$ | \$ \$\$ | \$ \$1 | \$1 | \$1 | \$1 \$1 \$1 | \$1 \$4 \$1 \$1 \$5 | \$1 \$1 \$1 \$2 | \$10 \$2 \$2 \$2 \$4 \$4 \$1 \$1 \$1 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 | \$10 \$10 \$2 \$2 \$2 \$3 \$4 \$4 \$1 \$1 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 | \$2 \$8 \$10 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 | \$1 \$2 \$2 \$3 \$3 \$10 \$2 \$2 \$3 \$4 \$4 \$4 \$4 \$5 \$4 \$5 \$4 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 | \$1 \$1 \$2 \$2 \$2 \$2 \$2 \$3 \$4 \$4 \$4 \$4 | \$5.76 \$15.32 \$24.57 \$85.20 \$100.11 \$21.90 \$26.18 \$40.21 \$15.62 \$1.55 \$6.93 |

| 119 | 118 | | 117 | | 116 | | 115 | | 114 | | 113 | | 112 | 1 1 1 1 | 110 | 109 | 108 | 107 | 106 | 105 | 104 | 103 | - |
|----------------------|----------------|----------------|----------|------------------------|-------------|------------------------|-------------|------------------------|---------------------|----------------------------------|-------------|--------------------|---------------------|---------------------|-------------------|-------------------|-------------------|-------------|-------------------------------------|--------------------|--------------------|---------------|------------------|
| 8218 | 8217 | | 8212 | | 8211 | | 8210 | | 8209 | | 8208 | | 8204 | 8203 | 8202 | 8201 | 8200 | 8199 | 8198 | 8197 | 8196 | 8195 | Cost Code |
| 8218 BOMAG Compactor | 8217 Compactor | | | Clamshell & Dragline, | Crawler | Clamshell & Dragline, | Crawler | Clamshell & Dragline, | 8209 Loader - Wheel | | Knuckleboom | Loader - Tractor - | 8204 Chipper, Brush | 8203 Chipper, Brush | Chipper, Brush | Chipper, Brush | Chipper, Brush | Log Trailer | 8198 Bruncher Cutter | 8197 Cutter, Brush | 8196 Cutter, Brush | Cutter, Brush | Equipment |
| BW100AD-3 | roller | 2-ton pavement | | | | | | | Bar | model 210 w/ Buck Saw 50 inch | ML | model Barko 595 | Chipping Capacity | Chipping Capacity | Chipping Capacity | Chipping Capacity | Chipping Capacity | 40 ft | 247 hp, 1997 Model 511 Feller | Cutter Size | Cutter Size | Cutter Size | Specificacions |
| | to 76" wide | | | | 250,000 lbs | | 149,999 lbs | | | | | | 18 ln | 15 ln | 12 ln | 9 In | 6 In | | | 10 ft | 8 ft | 8 ft | Capacity of Size |
| 33 | 40 | | to 240 | | to 520 | | to 235 | | to 240 | | to 173 | | to 200 | to 125 | to 100 | to 65 | to 35 | 0 | to 247 | to 245 | to 190 | to 150 | |
| | | | rate. | Bucket not included in | rate. | Bucket not included in | rate. | Bucket not included in | | | | | Trailer Mounted. | Trailer Mounted. | Trailer Mounted. | Trailer Mounted. | Trailer Mounted. | | | | | | Notes |
| Hour | hour | | hour | | hour | | hour | | hour | | hour | | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | 1911114 |
| \$29.33 | \$27.29 | | \$142.26 | | \$174.33 | | \$131.38 | | \$95.11 | | \$172.12 | | \$51.12 | \$34.17 | \$32.26 | \$17.30 | \$9.10 | \$10.29 | \$198.34 | \$144.78 | \$137.38 | \$124.22 | 2021 Kare |

| 138 | 137 | 136 | 135 | 134 | 133 | 132 | 131 | 130 | 129 | | 128 | 127 | 126 | 125 | | 124 | | 123 | | 122 | | 121 | 120 | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-------------------|----------------------------|----------------------------|----------------------------|--------------------------|-----------------|------------|----------------------|-----------|-----------------------|---------------------|-------------------|----------------|----------------------|------------------|-------------|---------------------|-----|
| 8254 Dozer, Crawler | 8253 Dozer, Crawler | 8252 Dozer, Crawler | 8251 Dozer, Crawler | 8250 Dozer, Crawler | 8242 Feeder, Grizzly | 8241 Feeder, Grizzly | 8240 Feeder, Grizzly | Compactor,Towed Steel | 8228 Pneumatic, Wheel | Compactor, Towed, | 8227 Compactor, Sanitation | 8226 Compactor, Sanitation | 8225 Compactor, Sanitation | 8224 Vibratory Compactor | | 8223 Wheel | Compactor, Pneumatic | 8222 Drum | Compactor, Vibratory, | 8221 Vibratory Drum | Compactor, Towed, | 8220 Compactor | 8219 Pavement Roller | Compactor -2-Ton | | Cost Code Equipment | A B |
| | | | ROPS/FOPS | Deere 450J LT | | | | eel or GTD-54120 | Hercules PT-11, | | n | n | n | 563D | Caterpillar CP- | | ic, | | <i>'</i> | | | | Compactor | Vibratoty | Single Drum | 5pecifications | 0 |
| | | | | | | | | 20,000 lbs | 10,000 lbs | | | | | | | | | | | | | | to 2.9 Ton | | | Capacity or Size | D |
| to 360 | to 250 | to 160 | to 105 | to 75 | to 75 | to 55 | to 35 | | | | 535 | to 400 | to 300 | 145 | | to 100 | | to 75 | | to 45 | | to 10 | 28 | | | Ŧ | ш |
| | | | | | | | | Grid Drum (Towed) | 11-Wheels (Towed) | | | | | | | | | | | Plus tow Truck | | | | | | Notes | F |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | | hour | hour | hour | hour | | hour | | hour | | hour | | hour | hour | | | Unit | G |
| \$223.35 | \$152.20 | \$95.45 | \$73.31 | \$55.15 | \$65.75 | \$34.74 | \$27.43 | \$23.95 | \$18.71 | | \$308.62 | \$156.79 | \$97.46 | \$60.75 | | \$52.15 | | \$25.34 | | \$35.01 | | \$15.32 | \$29.12 | | | 2021 Rate | I |

| 151 | 150 | 149 | 148 | 147 | 146 | 145 | 144 | 143 | 142 | 141 | 140 | 139 | | |
|---------------------------------------|---|---|---|---|---|--|-------------------|-------------------|-------------------|-------------------|---------------------|---|---------------------|----|
| 8276 Bucket, Dragline | 8275 Bucket, Dragline | 8273 Bucket, Clamshell | 8272 Bucket, Clamshell | 8271 Bucket, Clamshell | 8270 Bucket, Clamshell | 8269 Box Scraper | 8263 Dozer, Wheel | 8262 Dozer, Wheel | 8261 Dozer, Wheel | 8260 Dozer, Wheel | 8256 Dozer, Crawler | 8255 Dozer, Crawler | Cost Code Equipment | АВ |
| Capacity | Capacity | Capacity | Capacity | Capacity | Capacity | 3 hitch attach for tractor; 2007 Befco | | | | | | Make/Model: CAT D10T (disc. 2014); Protection: EROPS; Type Semi | Specifications | С |
| 5.0 CY | 2.0 CY | 7.5 CY | 5.0 CY | 2.5 CY | 1.0 CY | | | | | | | · | Capacity or Size | D |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | to 625 | to 500 | to 400 | to 300 | to 850 | to 574 | HP | Е |
| Does not include Clamshell & Dragline | Does not include Clamshell & Dragline | Includes teeth. Does not include Clamshell & Dragline | includes teeth. Does not include Clamshell & Dragline | Includes teeth. Does not include Clamshell & Dragline | Includes teeth. Does not include Clamshell & Dragline | | | | | | | | Notes | F |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | Unit | G |
| \$10.14 | \$4.06 | \$26.52 | \$13.62 | \$9.12 | \$4.74 | \$3.70 | \$242.66 | \$200.86 | \$102.64 | \$106.42 | \$363.50 | \$348.96 | 2021 Rate | I |

| | 167 8302 Fork Lift | | 166 8301 Fork Lift | | | | | | 8286 8287 8288 8288 8289 8289 8300 8300 | 8285 8286 8287 8288 8289 8289 8300 8300 | 8284 8285 8286 8287 8288 8288 8289 8289 8300 | 8283 8284 8285 8286 8287 8288 8288 8289 8289 8300 8300 | 8282 8283 8284 8284 8285 8286 8287 8288 8288 8289 8289 8300 8300 | 8281 8282 8283 8284 8284 8285 8286 8286 8287 8288 8288 8288 8289 8289 8300 | | | |
|---|--|-------------------------------------|---|----------------------|-----------------------|---|---|--|--|--|---|--|---|--|---|--|--|
| | | | | | | | | 9 | 8286 * 8287 8288 8289 8290 8300 | 8285 8286 8287 8288 8289 8290 8300 | 8284 8285 8286 8287 8288 8289 8289 8300 | 8284 8284 8285 8286 8287 8288 8288 8289 8289 8300 | 8282 8283 8284 8284 8285 8286 8287 8288 8289 8289 8289 8300 | 8281 8282 8283 8284 8284 8285 8286 8286 8287 8288 8289 8289 8290 8300 | | | |
| 8302 Fork Lift | 83U1 FORK LITT | 00041 | 8300 Fork Lift | | 8290 Trowel, Concrete | 8289 Excavator 8290 Trowel, Concrete | 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8286 Excavator, Hydraulic 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8285 Excavator, Hydraulic 8286 Excavator, Hydraulic 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8284 Excavator, Hydrau 8285 Excavator, Hydrau 8286 Excavator, Hydrau 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8283 Excavator, Hydraulic 8284 Excavator, Hydraulic 8285 Excavator, Hydraulic 8286 Excavator, Hydraulic 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8282 Excavator, Hydraulic 8284 Excavator, Hydraulic 8285 Excavator, Hydraulic 8286 Excavator, Hydraulic 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8281 Excavator, Hydraulic 8282 Excavator, Hydraulic 8283 Excavator, Hydraulic 8284 Excavator, Hydraulic 8285 Excavator, Hydraulic 8286 Excavator, Hydraulic 8287 Excavator 8288 Excavator 8289 Excavator 8290 Trowel, Concrete | 8281 Excavator, Hydraulic 8281 Excavator, Hydraulic 8282 Excavator, Hydraulic 8283 Excavator, Hydraulic 8284 Excavator, Hydraulic 8285 Excavator, Hydraulic 8286 Excavator 8288 Excavator 8289 Excavator 8289 Trowel, Concrete | 8278 Bucket, Dragline 8280 Excavator, Hydrau 8281 Excavator, Hydrau 8282 Excavator, Hydrau 8283 Excavator, Hydrau 8284 Excavator, Hydrau 8285 Excavator, Hydrau 8286 Excavator 8288 Excavator 8289 Excavator 8289 Excavator | 8277 Bucket, Dragline 8278 Bucket, Dragline 8280 Excavator, Hydrau 8281 Excavator, Hydrau 8282 Excavator, Hydrau 8283 Excavator, Hydrau 8284 Excavator, Hydrau 8285 Excavator, Hydrau 8286 Excavator 8288 Excavator 8289 Excavator 8289 Trowel, Concrete |
| 8301 Fork Lift 8302 Fork Lift | 8301 Fork Lift | 8300 FORK LITE | 000000000000000000000000000000000000000 | 8290 Trowel, Concre | | 8289 Excavator | 8288 Excavator 8289 Excavator | 8287 Excavator 8288 Excavator 8289 Excavator | 8286 Excavator, Hydinate Research Recavator 8288 Excavator 8289 Excavator | 8285 Excavator, Hydi 8286 Excavator, Hydi 8287 Excavator 8288 Excavator 8289 Excavator | 8284 Excavator, Hyd 8285 Excavator, Hyd 8286 Excavator 8287 Excavator 8288 Excavator 8289 Excavator | 8283 Excavator, Hyd 8284 Excavator, Hyd 8285 Excavator, Hyd 8286 Excavator 8287 Excavator 8288 Excavator 8289 Excavator | 8282 Excavator, Hyd 8283 Excavator, Hyd 8284 Excavator, Hyd 8285 Excavator, Hyd 8286 Excavator 8288 Excavator 8289 Excavator | 8281 Excavator, Hyd 8282 Excavator, Hyd 8283 Excavator, Hyd 8284 Excavator, Hyd 8285 Excavator, Hyd 8286 Excavator 8288 Excavator 8289 Excavator | 8280 Excavator, Hyd 8281 Excavator, Hyd 8282 Excavator, Hyd 8283 Excavator, Hyd 8284 Excavator, Hyd 8286 Excavator, Hyd 8288 Excavator 8288 Excavator 8289 Excavator | 8278 Bucket, Draglin 8280 Excavator, Hyd 8281 Excavator, Hyd 8282 Excavator, Hyd 8283 Excavator, Hyd 8284 Excavator, Hyd 8286 Excavator 8288 Excavator 8289 Excavator | 8277 Bucket, Draglin 8278 Bucket, Draglin 8278 Bucket, Draglin 8280 Excavator, Hyd 8281 Excavator, Hyd 8282 Excavator, Hyd 8283 Excavator, Hyd 8284 Excavator, Hyd 8286 Excavator 8288 Excavator 8289 Excavator |
| 8300 Fork Lift 8301 Fork Lift 8302 Fork Lift | 8300 Fork Lift 8301 Fork Lift | 8300 Fork Lift | | 8290 Trowel, Concret | 8289 Excavator | | 8288 Excavator | 8287 Excavator 8288 Excavator | 8286 Excavator, Hydr 8287 Excavator 8288 Excavator | 8285 Excavator, Hydr 8286 Excavator, Hydr 8287 Excavator | 8284 Excavator, Hydr 8285 Excavator, Hydr 8286 Excavator, Hydr 8287 Excavator | 8283 Excavator, Hydr 8284 Excavator, Hydr 8285 Excavator, Hydr 8286 Excavator 8287 Excavator | 8282 Excavator, Hydr 8283 Excavator, Hydr 8284 Excavator, Hydr 8285 Excavator, Hydr 8286 Excavator, Hydr 8288 Excavator | 8281 Excavator, Hydr 8282 Excavator, Hydr 8283 Excavator, Hydr 8284 Excavator, Hydr 8286 Excavator, Hydr 8287 Excavator | 8280 Excavator, Hydr 8281 Excavator, Hydr 8282 Excavator, Hydr 8283 Excavator, Hydr 8284 Excavator, Hydr 8286 Excavator, Hydr 8287 Excavator | 8278 Bucket, Dragline 8280 Excavator, Hydr 8281 Excavator, Hydr 8282 Excavator, Hydr 8283 Excavator, Hydr 8286 Excavator, Hydr 8286 Excavator | 8277 Bucket, Dragline 8278 Bucket, Dragline 8280 Excavator, Hydr 8281 Excavator, Hydr 8282 Excavator, Hydr 8284 Excavator, Hydr 8286 Excavator, Hydr 8287 Excavator |
| 290 Trowel, Concre 300 Fork Lift 301 Fork Lift 302 Fork Lift | 290 Trowel, Concre 300 Fork Lift 301 Fork Lift | 290 Trowel, Concre 300 Fork Lift | 290 Trowel, Concre | | 289 Excavator | | 288 Excavator | 287 Excavator | 286 Excavator, Hyd 287 Excavator | 285 Excavator, Hyd 286 Excavator, Hyd 287 Excavator | 284 Excavator, Hyd 285 Excavator, Hyd 286 Excavator, Hyd 287 Excavator | 283 Excavator, Hyd 284 Excavator, Hyd 285 Excavator, Hyd 286 Excavator, Hyd 287 Excavator | 282 Excavator, Hyd 283 Excavator, Hyd 284 Excavator, Hyd 285 Excavator, Hyd 286 Excavator, Hyd 287 Excavator | 281 Excavator, Hyd 282 Excavator, Hyd 283 Excavator, Hyd 284 Excavator, Hyd 285 Excavator, Hyd 286 Excavator, Hyd 287 Excavator | 280 Excavator, Hyd 281 Excavator, Hyd 282 Excavator, Hyd 283 Excavator, Hyd 284 Excavator, Hyd 286 Excavator, Hyd 287 Excavator | 278 Bucket, Draglin 280 Excavator, Hyd 281 Excavator, Hyd 282 Excavator, Hyd 283 Excavator, Hyd 284 Excavator, Hyd 285 Excavator, Hyd 287 Excavator | 277 Bucket, Draglin 278 Bucket, Draglin 280 Excavator, Hyd 281 Excavator, Hyd 282 Excavator, Hyd 284 Excavator, Hyd 285 Excavator, Hyd 286 Excavator |
| vel, Concrete Lift Lift Lift | vel, Concrete Lift | vel, Concrete | vel, Concrete | ivator | | vator | | ivator | ıvator, Hydraulic | ıvator, Hydraulic ıvator, Hydraulic ıvator | avator, Hydraulic avator, Hydraulic avator, Hydraulic | ivator, Hydraulic ivator, Hydraulic ivator, Hydraulic | wator, Hydraulic wator, Hydraulic wator, Hydraulic wator, Hydraulic | wator, Hydraulic wator, Hydraulic wator, Hydraulic wator, Hydraulic wator, Hydraulic | wator, Hydraulic wator, Hydraulic wator, Hydraulic wator, Hydraulic wator, Hydraulic | ket, Dragline avator, Hydraulic avator, Hydraulic avator, Hydraulic avator, Hydraulic avator, Hydraulic | ket, Dragline ket, Dragline avator, Hydraulic avator, Hydraulic avator, Hydraulic avator, Hydraulic avator, Hydraulic |
| Diameter Capacity Capacity Capacity | Diameter Capacity Capacity | Diameter Capacity | Diameter Diameter | Gradall XL5100 | 2006 model | Gradall XL4100 III | 2003 mode | 2007 model Gradall XL3100 III | | | | | | | | | |
| 100 | 100 | 100 | 100 | 100 | odel | odel XL4100 III | _ | odel XL3100 III | acity 12 | acity 7.5 acity 12 | acity 4.5 acity 7.5 acity 12 | acity 2.5 acity 4.5 acity 7.5 acity 12 | acity 1.5 acity 2.5 acity 7.5 acity 7.5 | acity 1.5 acity 2.5 acity 7.5 acity 7.5 acity 12 (| acity acity acity acity acity acity acity | acity acity acity acity acity | acity acity acity acity |
| 48 In 6000 Lbs 12000 Lbs | 000 Lbs | 00 Lbs | 'n | | | | | | CY | 5 CY | 5 CY | 5 CY 5 CY | 5 CY 5 CY | 9 CY | 5 CY 5 CY 5 CY | 5 CY 5 CY 5 CY | 5 CY 5 CY 5 CY |
| 238 230 to 12 to 60 to 90 to 140 | 238 230 to 12 to 60 to 90 | 238 230 to 12 to 60 | 238 230 to 12 | 238 | 238 | | 184 | | to 1000 | to 650 | to 420 to 650 to 1000 | to 265 to 420 to 650 to 1000 | to 160 to 265 to 420 to 650 to 1000 | to 90 to 160 to 265 to 420 to 650 to 1000 | to 45 to 90 to 160 to 265 to 420 to 650 to 1000 | to 45 to 90 to 90 to 160 to 420 to 650 | 0 to 45 to 90 to 160 to 420 to 650 |
| | | | | | | | | _ | Includes bucket. | Crawler, Truck & V Includes bucket. Crawler, Truck & V Includes bucket. | Crawler, Truck & W Includes bucket. Crawler, Truck & W Includes bucket. Crawler, Truck & W Includes bucket. | Crawler, Truck & W Includes bucket. | Crawler, Truck & Wilncludes bucket. | Crawler, Truck & Wh Includes bucket. | Crawler, Truck & Whe Includes bucket. | Does not include Clamshell & Dragline Crawler, Truck & Wheel. Includes bucket. | Does not include Clamshell & Dragline Does not include Clamshell & Dragline Clamshell & Dragline Crawler, Truck & Wi Includes bucket. |
| hour hour | hour hour | hour hour | | | | | | | Wheel | Vheel Vheel | /heel /heel /heel | heel heel | neel neel | <u>ee</u> <u>ee</u> <u>ee</u> <u>ee</u> <u>ee</u> | <u>e e e e e e e e e e e e e e e e e e e </u> | | <u> </u> |
| \$4.46 \$13.63 \$18.66 \$26.03 | | | our | | | hour | hour | | Wheel. hour | - 3 | 27 27 31 | 25 22 35 371 | 25 20 B 2011 B | 3 2 B 30 B | 25 00 Et 100 1 | | |

| 194 | | | 193 | 192 | 191 | 190 | 189 | 188 | 187 | 186 | 185 | 184 | 183 | 182 | 181 | 180 | 179 | 178 | 177 | 176 | 175 | 174 | 173 | 172 | | 171 | | 170 | | 169 | | _ | |
|---------------------------------------|--------------------------|-----------------------|--------------|----------------------|----------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|-----------------|----------------|----------------|--------------|--------------|--------------|--------------|-----------|--------------|--------------|--------------------------|-----------------|----------------|--------------------|----------------|--------------------|---------------------|--------------------|------------------|---|
| 8327-2 | | | 8327-1 | 8327 | 8326 | 8325 | 8324 | 8323 | 8322 | 8321 | 8320 | 8319 | 8318 | 8317-1 | 8317 | 8316 | 8315 | 8314 | 8313 | 8312 | 8311-1 | 8311 | 8310 | 8309 | | 8308 | | 8307 | | 8306 | | Cost Code | Α |
| SOLAR/GAS Turbine Generator-Taurus 70 | | | Generator | 8327 Generator Large | 8326 Generator | Generator | Generator | Generator | Generator | Generator | 8320 Generator | 8319 Generator | 8318 Generator | 317-1 Generator | 8317 Generator | 8316 Generator | Generator | Generator | Generator | Generator | Generator | Generator | Generator | 8309 Fork Lift Accessory | | 8308 Handler | Fork Lift Material | Handler | Fork Lift Material | Handler | Fork Lift Material | Equipment | В |
| Megawatts Stean Turbine | Solar, 3- | 7-Megawatts | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | Prime Output | | Prime Output | Prime Output | Fork | 2003 ACS Paddle | TH560B | Diesel, CAT | TH460B | Diesel, CAT | TH360B | Diesel, CAT | Specifications | С |
| 7000 KW | | | 80 KW | 800 KW | 20KW | 40KW | 1100KW | 1,500 KW | 1,000 KW | 2500 KW | 1100 KW | 710 KW | 530 KW | 400KVA = 320KW | 350 KW | 280 KW | 210 KW | 150 KW | 100 KW | 60KW | 20 KVA | 16 KW | 5.5 KW | | | 10000 Lbs | | 9000 Lbs | | 6600-11500 gvwr lbs | | Capacity or Size | D |
| 10915 | | | 120 | 1065 | 35 | 63 | 2500 | to 2500 | to 1645 | to 3000 | 1645 | to 1000 | to 750 | 464 | to 500 | to 400 | to 300 | to 240 | to 125 | to 88 | 44 | to 25 | to 10 | 0 | | 117.5 | | 94.9 | | 94.9 | | HP. | Е |
| City Utility, When operated with gas | grid, or 115000 Volts to | 12470- Volts to Micro | | | Open/Closed | Open | Enclosed | Enclosed | Enclosed | | Open | | | Enclosed | | | | | | | | | | | | 4.5 - 4.9 Mton | | 4.5 - 4.9 Mton | | 3.1- 3.5 Mton | | Notes | F |
| hour | | | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | | hour | | hour | | hour | | Unit | G |
| \$2,600.00 | | | \$32.09 | \$235.71 | \$16.70 | \$23.48 | \$544.93 | \$544.93 | \$467.83 | \$561.53 | \$362.20 | \$204.67 | \$159.09 | \$118.18 | \$99.73 | \$88.84 | \$77.67 | \$55.67 | \$40.01 | \$25.92 | \$25.00 | \$7.92 | \$4.95 | \$3.58 | | \$58.74 | | \$53.54 | | \$46.49 | | 2021 Rate | Т |

| 206 | 205 | 204 | 203 | 202 | 201 | 200 | 199 | 198 | 196 197 | 195 | |
|---|---|---|---|---|--|--|--|----------------|--|--|-------------------------|
| 8353 Hose, Discharge | 8352 Hose, Discharge | 8351 Hose, Discharge | 8350 Hose, Discharge | 8334 Graders | 8332 Graders | 8331 Graders | 8330 Graders | 8329 Generator | 8328 Generator 8328-1 Generator Heavy Duty | SOLAR/GAS Turbine 8327-3 Generator-Taurus 70 | A B Cost Code Equipment |
| Diameter | Diameter | Diameter | Diameter | CAT 140; ROPS; Diesel; Moldboard Size: 168 x 24 x 0.9 | Moldboard Size | Moldboard Size | Moldboard Size | | Prime Output Output | 7-Megawatts Solar, 3- e Megawatts Stean Turbine | C Specifications |
| 8 In | 6 In | 4 In | 3 ln | Diesel | 14 Ft | 12 Ft | 10 Ft | 1000 KW | 900 KW | 7001 KW | D Capacity or Size |
| 0 | 0 | 0 | 0 | 275 | to 225 | to 150 | to 110 | to 1645 | 1355 | 10915 | ₹ m |
| Per 25 foot length. Includes couplings. | Per 25 foot length. Includes couplings. | Per 25 foot length. Includes couplings. | Per 25 foot length. Includes couplings. | | Includes Rigid and Articulate equipment. | Includes Rigid and Articulate equipment. | Includes Rigid and Articulate equipment. | Open | Open | 12470- Volts to Micro grid, or 115000 Volts to City Utility, When operated with Solar | Notes |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | G |
| \$0.63 | \$0.61 | \$0.24 | \$0.16 | \$124.00 | \$100.61 | \$65.12 | \$44.60 | \$450.78 | \$299.28 | \$800.00 | H 2021 Rate |

| 223 | 222 | 221 | 220 | 219 | 218 | 217 | 216 | 215 | 214 | | | 213 | | | 212 | | | 211 | | | 210 | | | 209 | | | 208 | | | 207 | | | |
|-----------------|-----------------|-----------------|--------------------|------------------|----------------------|----------------------|------------------|----------------------|---------------|----------|---------------------|--------------------|----------|---------------------|--------------------|----------|---------------------|--------------------|----------|---------------------|--------------------|----------|---------------------|--------------------|----------|---------------------|-----------------|----------|---------------------|-----------------|----------|---------------------|------------------|
| 8393 | 8392 | 8391 | 8390 | 8384 | 8383 | 8382 | 8381 | 8380 | 8361 | | | 8360 | | | 8359 | | | 8358 | | | 8357 | | | 8356 | | | 8355 | | | 8354 | | | Cost Code |
| Loader, Wheel | Loader, Wheel | Loader, Wheel | 8390 Loader, Wheel | Loader, Crawler | 8383 Loader, Crawler | 8382 Loader, Crawler | Loader, Crawler | 8380 Loader, Crawler | Hose, Suction | | | 8360 Hose, Suction | | | 8359 Hose, Suction | | | 8358 Hose, Suction | | | 8357 Hose, Suction | | | 8356 Hose, Suction | | | Hose, Discharge | | | Hose, Discharge | | | Equipment |
| Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Diameter | | | Diameter | | | Diameter | | | Diameter | | | Diameter | | | Diameter | | | Diameter | | | Diameter | | | Specifications |
| 3 CY | 2 CY | 1 CY | 0.5 CY | 4 CY | 3 CY | 2 CY | 1 CY | 0.5 CY | 16 ln | | | 12 ln | | | 8 In | | | 6 In | | | 4 In | | | 3 in | | | 16 ln | | | 12 ln | | | Capacity or Size |
| to 152 | to 105 | to 60 | to 38 | to 238 | to 178 | to 118 | to 60 | to 32 | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | 0 | | | HP |
| | CAT-926 | | | Includes bucket. | Includes bucket. | Includes bucket. | Includes bucket. | Includes bucket. | couplings. | Includes | Per 25 foot length. | couplings. | Includes | Per 25 foot length. | couplings. | Includes | Per 25 foot length. | couplings. | includes | Per 25 foot length. | couplings. | Includes | Per 25 foot length. | couplings. | Includes | Per 25 foot length. | couplings. | Includes | Per 25 foot length, | couplings. | Includes | Per 25 foot length. | Notes |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | | | hour | | | hour | | | hour | | | hour | | | hour | | | hour | | | hour | | | Unit |
| \$46.45 | \$39.35 | \$41.05 | \$21.01 | \$120.21 | \$126.60 | \$69.98 | \$35.85 | \$20.66 | \$3.34 | | | \$1.75 | | | \$1.13 | | | \$1.13 | | | \$0.34 | | | \$0.29 | | | \$1.73 | | | \$0.93 | | | 2021 Rate |

| 243 | 242 | 241 | 240 | 239 | 238 | 127 | 227 | 236 | 235 | | 234 | | 233 | | 232 | | 231 | 230 | | 229 | 228 | 227 | 226 | 225 | 224 | _ | |
|-------------------------------|---------------------------------|------------------------|----------------|--------------------|-------------------|----------------|---------------------|-----------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------|--------------------------|-----------------|-----------------------------|--------------|-----------------------|--------------------|--------------------|-----------------|-----------------|--------------------|--------------------|------------------|----|
| 8430 | 8425 | 8424 | 8423 | 8421 | 8420 | | 8/10 | 8414 | 8413 | | 8412 | | 8411 | | 8410 | | 8401 | 8400 | | 8399 | 8398 | 8397 | 8396 | 8395 | 8394 | Cost Code | A |
| 8430 Paver, Asphalt, Towed | Spreader, Chip, 8425 Mounted | Spreader, Chip | Spreader, Chip | Vibrator, Concrete | Pavement Breaker, | Colf Dissolled | Hand-Held, Pavement | Truck, Concrete Mixer | 8413 Mounted | Mixer, Concrete, Trailer | 8412 Mounted | Mixer, Concrete, Trailer | Portable | Mixer, Concrete | 8410 Portable | Mixer, Concrete | 8401 Loader, Tractor, Wheel | 8400 Tractor | | Tractor | 8398 Loader, Wheel | Loader, Wheel | Loader, Wheel | 8395 Loader, Wheel | 8394 Loader, Wheel | Equipment | В |
| | Hopper Size | Spread Hopper Width | Width pper | Hand Held | (Diesel) | Colf Dissollad | Air Tool/Electric | Mixer Capacity | Batching Capacity | | Batching Capacity | | Batching Capacity | | Batching Capacity | | Bucket Capacity | T6031 | New Holland | John Deere 6605 | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Bucket Capacity | Specifications | C |
| | 8 Ft | 16.5 Ft | 12.5 Ft | | | 0000 | 00 - ks | 13 CY | 16 Cft | | 11 Cft | | 12 Cft | | 10 Cft | | 0.87 CY | all purpose | Tractor - agriculture | Tractor with mower | 8 CY | 7 CY | 6 CY | 5 CY | 4 CY | Capacity or Size | D |
| 0 | to 8 | to 215 | to 152 | to 4 | to 70-80 | | > | to 300 | to 25 | | to 10 | | 11 | | 8 | | to 80 | 115 | | 95 | to 530 | to 360 | to 305 | 255 | 232 | Ŧ | Ш |
| Does not include Prime Mover. | Trailer & truck mounted. | | | | | | | | | | | | Gasoline Powered | | Diesel Powered | | Case 580 Super L | | | | | | | | | Notes | Ti |
| hour | hour | hour | hour | hour | hour | 2 | 5 | hour | hour | | hour | | hour | | hour | | hour | hour | | hour | hour | hour | hour | hour | hour | Unit | ഹ |
| \$12.84 | \$4.65 | \$121.45 | \$88.36 | \$1.65 | \$59.37 | 71.17 | ¢1 17 | \$85.90 | \$19.70 | | \$14.59 | | \$5.48 | | \$3.17 | | \$37.76 | \$35.56 | | \$17.33 | \$190.00 | \$139.70 | \$113.83 | \$80.80 | \$78.13 | 2021 Rate | I |

| 259 | 258 | 257 | 256 | 255 | 254 | 253 | 252 | 251 | 250 | 249 | 248 | 247 | 246 | 245 | 244 | 1 | |
|--------------|-------------------------------|---|---------------------------|-----------------------------|----------------|----------------|----------------|-------------------------|-------------------------|-------------------------|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|------------------|--|
| 8451 Mounted | 8450 Mounted | Paver Acc 8447 Extension | 8446 Strip | 8445 Strip | 8442 Striper | 8441 Striper | 8440 Striper | 8439 Pick- | 8438 Pick- | 8437 Pick- | 8436 Pick- | 8434 Paver, Asphalt | 8433 Paver, Asphalt | 8432 Paver, Asphalt | 8431 Paver, Asphalt | Cost Code Equi | |
| Mounted | Plow, Snow, Grader Mounted | Paver Accessory - Belt Extension | 8446 Striper, Walk-behind | 8445 Striper, Truck Mounted | er | er | er | 8439 Pick-up, Asphalt | 8438 Pick-up, Asphalt | Pick-up, Asphalt | 8436 Pick-up, Asphalt | r, Asphalt | r, Asphalt | r, Asphalt | r, Asphalt | pment | |
| Width | Width | 2002 Leeboy Conveyor Belt Extension | Paint Capacity | Paint Capacity | Paint Capacity | Paint Capacity | Paint Capacity | | Blaw-Knox | Cederapids | | | Crawler | Crawler | Crawler | Specifications | |
| to 14 Ft | to 10 Ft | 24' X 50' | 12 Gal | 120 Gal | 120 Gal | 90 Gal | 40 Gal | MTV 1000C | MC-330 | CR MS-2 | | 35,000Lbs & Over | | | | Capacity or Size | |
| 0 | 0 | 0 | У | to 460 | to 122 | to 60 | to 22 | to 275 | 184 to 200 | 113 to 140 | to 110 | to 250 | to 175 | to 125 | to 50 | Ŧ | |
| cost | Include Grader for total cost | crawler | | | | | | Asphalt-Pick-up Machine | Asphalt-Pick-up Machine | Asphalt-Pick-up Machine | | Includes wheel and crawler equipment. | Notes | |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | Bhit | |
| \$33.00 | \$28.51 | \$37.18 | \$3.96 | \$76.28 | \$42.65 | \$23.17 | \$16.76 | \$282.37 | \$196.08 | \$146.98 | \$112.03 | \$246.91 | \$252.13 | \$92.45 | \$66.94 | 2021 Rate | |

| | 5 | | 905 | | | 8485-7 Pump | ××× | 785 |
|----------|------|------------------------------|--------|---------------------|---------------------------|--------------------------|--------|-----|
| | hour | | 746 | | | 8485-1 Pump | | 284 |
| \$157.05 | hour | Does not include Hoses. | to 650 | | | 8485 Pump | | 283 |
| \$142.65 | hour | | 600 | | Electric Motor | 8484-1 Pump | | 282 |
| \$138.44 | hour | Does not include Hoses. | to 575 | | | 8484 Pump | ∞ | 281 |
| \$118.85 | hour | Does not include Hoses. | to 500 | | | 8483 Pump | | 280 |
| \$100.40 | hour | Does not include Hoses. | to 425 | | | 8482 Pump | | 279 |
| | hour | Does not include Hoses. | to 350 | | | 8481 Pump | | 278 |
| \$69.29 | hour | Does not include Hoses. | to 275 | | | 8480 Pump | | 277 |
| \$51.50 | hour | Hoses not included. | to 200 | | | 8479 Pump | | 276 |
| \$41.19 | hour | Hoses not included. | to 140 | | | 8478 Pump | | 275 |
| \$34.78 | hour | Hoses not included. | to 95 | | | 8477 Pump | | 274 |
| \$26.88 | hour | Hoses not included. | to 60 | 40,000 gal/hr. | 4" | 8476 Pump | | 273 |
| \$17.22 | hour | Hoses not included. | to 40 | | | 8475 Pump | | 272 |
| \$13.96 | hour | Hoses not included. | to 25 | | | 8474 Pump | | 271 |
| \$12.25 | hour | Hoses not included. | to 15 | | | 8473 Pump | | 270 |
| | hour | Hoses not included. | to 10 | pump | pump | 8472 Pump | | 269 |
| | | | | 3" - 18,000 gal/hr | Centrifugal, 18M | | | |
| | hour | Hoses not included. | to 6 | 2" - 3,000 gal/hr. | Diaphragm pump | 8471 Pump | | 268 |
| | hour | Hoses not included. | to 4.5 | 2" - 10,000 gal/hr. | pump cellellugal, olvi | 8470 Pump | | 267 |
| | hour | 10,000 gph | to 7 | 2" Pump | 10 MTC | 8469 Pump - Trash Pump | | 266 |
| | hour | Trailer & truck mounted. | to 4 | 5 CY | | 8458 Spreader, Chemical | | 265 |
| \$13.62 | hour | Truck not included | 0 | Truck (10yd) | Mounting | 8457 Spreader, Sand | | 264 |
| \$10.88 | hour | Truck not included | 0 | Dump Body | Mounting | 8456 Spreader, Sand | | 263 |
| | hour | Truck not included | 0 | Tailgate, Chassis | Mounting | 8455 Spreader, Sand | | 262 |
| \$40.69 | hour | truck for total cost | 0 | to 15 Ft | Width | 8453 Plow, Truck Mounted | | 261 |
| | | Include | | | 3 | | | |
| | | With leveling wing | | - | | | | |
| | hour | Include truck for total cost | 0 | to 15 Ft | Width | 8452 Plow, Truck Mounted | | 260 |
| 2021 6 | Enit | Notes | HP | Capacity or Size | Specifications | ode Equipment | Cost 6 | |
| ı | ٥ | _ | г | C | | | 1 | |

| 299 | | 298 | | 297 | | 296 | | 295 | | 294 | | 293 | | | | | 292 | | | 291 | | | 290 | | | 289 | | | 288 | 287 | 286 | _ | |
|--------------------|-------------------------|----------------|--------------------|----------------|--------------------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|--------------------|--------------------------|-----------------------------|--------------|-----------------|---------------------------|--------------------|-----------------------------|---------------------------|--------------------|-----------------------------|---------------------------|--------------------|-----------------------------|-----------------|------------------------|--------------------|-------------|-----------------|-------------|---------------------|----------|
| 8495 Propelled | I.C. Aerial Lift, Self- | 8494 Propelled | Aerial Lift, Self- | 8493 Propelled | Aerial Lift, Self- | 8492 Propelled | Aerial Lift, Self- | 8491 Propelled | Aerial Lift, Self- | 8490 Propelled | Aerial Lift, Self- | 8489 Mounted | Aerial Lift, Truck | | | *** | 8488 Mounted | Aerial Lift, Truck | | 8487 Mounted | Aerial Lift, Truck | | 8486 Mounted | Aerial Lift, Truck | | 8485-6 Engine | Pump with Caterpillar | Pump -High Powered | 8485-5 Pump | 8485-4 Pump | 8485-3 Pump | Cost Code Equipment | A |
| Load - 500 Lbs | elf- Max. Platform | Height | Max. Platform | Height | Max. Platform | Height | Max. Platform | Height | Max. Platform | Height | Max. Platform | Load - 600Lbs | (Max. Platform | | | | Height | (Max. Platform | | Height | (Max. Platform | | Height | < Max. Platform | | Engine | erpillar C280-12 CAT | vered | | CAT-3606 Engine | | Specifications | n |
| 75"x155", 40Ft Ht. | | 150 Ft. Ht. | | 125 Ft. Ht. | | 70 Ft. Ht. | | 60 Ft. Ht. | | 37 Ft. Ht. | | 81 Ft -100 Ft. Ht. | | | | | 80 Ft | | | 61 Ft | | | 40 Ft | | | CFM | 1000-RPM, 20,000 | | 464,125 gpm | | 110,000 gpm | Capacity or Size | D |
| to 80 | | to 130 | | to 85 | | to 50 | | to 30 | | to 15 | | | | | | | | | | | | | | | | 5444 | | | 2500 | 2250 | 1000 | #5 | m |
| 2000 Lbs Capacity | | Telescoping. | Articulated and | Telescoping. | Articulated and | Scissor. | Articulated, Telescoping, | Scissor. | Articulated, Telescoping, | Scissor. | Articulated, Telescoping, | rate | for total lift and truck | Add this rate to truck rate | Telescoping. | Articulated and | total lift and truck rate | for | Add this rate to truck rate | total lift and truck rate | for | Add this rate to truck rate | total lift and truck rate | for | Add this rate to truck rate | Heavy Duty Pump | Fairbanks Morse/Lufkin | | | | | Notes | Т |
| hour | | hour | | hour | | hour | | hour | | hour | | hour | | , tu | | | hour | | (D | hour | | (D | hour | | Ü | hour | | | hour | hour | hour | Unit | <u>م</u> |
| \$30.13 | | \$74.93 | | \$57.49 | | \$26.58 | | \$33.24 | | \$9.15 | | \$39.10 | | | | | \$38.85 | | | \$20.95 | | | \$12.05 | | | \$1,285.00 | | | \$780.00 | \$775.00 | \$360.00 | 2021 Rate | Τ |

| | to 81 | 2901 to 3300 Lbs | Capacity | 8542 Loader, Skid-Steer | 321 |
|-----------------------------------|--------|------------------|-----------------------|---------------------------|--------|
| | | | Operating | | |
| | to 66 | 1751 - 2200 Lbs | Operating Capacity | 8541 Loader, Skid-Steer | 320 8 |
| | to 36 | 976 - 1250 Lbs | Operating Capacity | 8540 Loader, Skid-Steer | 319 8 |
| | to 604 | 44 CY | Scraper Capacity | 8524 Scraper | 318 8 |
| | to 500 | 34 CY | Scraper Capacity | 8523 Scraper | 317 8 |
| | to 365 | 22 CY | Scraper Capacity | 8522 Scraper | 316 8 |
| | to 262 | 15 CY | Scraper Capacity | 8521 Scraper | 315 8 |
| Pneumatic Powered | 0 | 30-55 Lbs | Weight Class | 8518 Jackhammer (Wet) | 314 8 |
| Pneumatic Powered | 0 | 25-45 Lbs | Weight Class | 8517 Jackhammer (Dry) | 313 8 |
| | to 200 | | Blade Diameter | 8514 Saw, Rock | 312 8 |
| | to 100 | | Blade Diameter | 8513 Saw, Rock | 311 8 |
| | to 65 | 48 In | Blade Diameter | 8512 Saw, Concrete | 310 8 |
| | to 35 | 26 ln | Blade Diameter | 8511 Saw, Concrete | 309 8 |
| | to 14 | 14 ln | Blade Diameter | 8510 Saw, Concrete | 308 8 |
| | to 350 | 110 MT | Max. Lift Capacity | 8504 Crane (Crawler) | 307 8 |
| | to 300 | 70 MT | Max. Lift Capacity | 8503 Crane | 306 |
| | to 200 | 50 MT | Max. Lift Capacity | 8502 Crane | 305 |
| | to 150 | 15 MT | Max. Lift Capacity | 8501 Crane | 304 8 |
| | to 80 | 8 MT | Max. Lift Capacity | 8500 Crane | 303 8 |
| Include truck rate for total cost | 0 | 60000 Lbs | Max. Lift Capacity | 8498 Crane, Truck Mounted | 302 8 |
| Include truck rate for total cost | 0 | 36000 Lbs | Max. Lift Capacity | 8497 Crane, Truck Mounted | 301 8 |
| Include truck rate for total cost | 0 | 24000 Lbs | Max. Lift Capacity | 8496 Crane, Truck Mounted | 300 |
| Notes | H | Capacity or Size | Specifications | ode Equipment | Cost (|
| | | | | | |

| 338 | 337 | 336 | | 335 | | 334 | 333 | | 332 | | 331 | 330 | 329 | | | 328 | | 327 | | 326 | | 325 | | 324 | | 323 | | 322 | | | _ | |
|---|-----------------------|----------------------|--------------------|------------------------------|-----------------------|------------------|--------------------|-------------------|--------------------|----------|------------------|------------------|------------------|-----------------|----------------|---------------|--------------------|---------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|-------------------------------|-------------------|------------|---------------------|----|
| 8569 Dust Control De-Ice Unit 1300-2000 gal | 8565 Pavement Sweeper | 8564 The Vammas 5500 | | 8563 The Vammas 4500 | | 8562 Snow Blower | 8561-2 Snow Blower | | 8561-1 Snow Blower | | 8561 Snow Blower | 8560 Snow Blower | 8559-1 SnowBroom | | | 8559 Behind | Snow Thrower, Walk | 8558 Behind | Snow Thrower, Walk | 8553 Mounted | Snow Blower, Truck | 8552 Mounted | Snow Blower, Truck | 8551 Mounted | Snow Blower, Truck | 8550 Mounted | Snow Blower, Truck | 8549 Spreader | Snow Plower, Salt | | Cost Code Equipment | АВ |
| nit 1300-2000 gal | H-Series | RM300 | | Snow Remover | | Capacity | 4500MTE | Vammas PSB | Mauler | MTE Snow | Capacity | Capacity | Broom | Oshkosh Snow | | Cutting Width | | Cutting Width | | Capacity | | Capacity | | Capacity | | Capacity | | Plower | Spreader/Snow | Towed Salt | Specifications | С |
| 173"Lx98"Wx51"H | | 96"W x 20"D | | + Airblast | 26ft Plow, 20ft Broom | 3,500 Tph | Bristles | Uses high quality | | | 2,500 Tph | 2,000 Tph | 2718 | Equipment Model | Blower Airport | 60 in | | 25 in | | 2500 Tph | | 2000 Tph | | 1400 Tph | | 600 Tph | | 26 ft X 8 ft | | | Capacity or Size | D |
| 5.5 | 420 | 350 | | 428 | ۱ ا | to 600 | 420 | | 428 | | to 500 | to 400 | 450-500 | | | to 15 | | to 5 | | to 400 | | to 340 | | to 200 | | to 75 | | 260 | | | MP | Е |
| Hydro Pump w/100' 1/2" hose | Equip with Broom | Reclaimer | Soil Stabilization | Equip with Plow & Broom hour | | | | | | | | | | | | | | | | Does not include truck | | Plus Towed Salt Spreader hour | | | Notes | F |
| hour | hour | hour | | hour | | hour | hour | | hour | | hour | hour | hour | | | hour | | hour | | hour | | hour | | hour | | hour | | hour | | | Unit | G |
| \$3.59 | \$232.21 | \$214.97 | | \$263.64 | | \$278.68 | \$266.00 | | \$260.00 | | \$251.98 | \$232.52 | \$184.00 | | | \$14.67 | | \$3.01 | | \$147.02 | | \$135.34 | | \$90.01 | | \$33.74 | | \$25.00 | | | 2021 Nate | I |

| 348 | 347 | 346 | 345 | 344 | 343 | 342 | 341 | 340 | 339 | _ |
|----------------------------------|------------------------------|--|---|---|---|--|--|--|--|-----------------------|
| 8590 Tı | 8584 D | 8583 D | 8582 D | 8581 D | 8580 D | 8573 L | 8572 L | 8571 L | 8570 L | A Cost Code E |
| 8590 Trailer, Dump | 8584 Distributor | 8583 Distributor | 8582 Distributor, Asphalt | 8581 Distributor, Asphalt | 8580 Distributor, Asphalt | 8573 Loader-Backhoe, Wheel | 8572 Loader-Backhoe, Wheel | 8571 Loader-Backhoe, Wheel | 8570 Loader-Backhoe, Wheel | B quipment |
| Capacity | ETNYRE Quad Chip Spreader | ETNYRE Oil Distributor Model - PB348 | Tank Capacity Mounted on Truck | Tank Capacity Mounted on Trailer | Tank Capacity Mounted on Trailer | Loader Bucket Capacity | Loader Bucket Capacity | Loader Bucket Capacity | Loader Bucket Capacity | C Specifications |
| 20 CY | | | 4000 Gal | 1000 Gal | 550 Gal | 1.75 CY | 1.5 CY | 1 CY | 0.5 CY | D Capacity or Size |
| 0 | 280 | 300 | | 38 | 16 | to 115 | to 95 | to 70 | to 40 | ¥ E |
| Does not include Prime Mover. | | | Truck Mounted. Includes burners, insulated tank, and circulating spray bar. Include truck rate. | Truck Mounted. Includes burners, insulated tank, and circulating spray bar. Include truck rate. | burners, insulated tank, and circulating spray bar. | Loader and Backhoe Buckets included. | Loader and Backhoe Buckets included. | Loader and Backhoe Buckets included. | Loader and Backhoe Buckets included. | Notes |
| hour | hour | hour | hour | hour | hour | hour | hour | hour | hour | G |
| \$12.81 | \$88.36 | \$44.18 | \$39.34 | \$27.35 | \$18.40 | \$52.69 | \$43.91 | \$30.36 | \$22.97 | H 2021 Rate |

| A B B C D E F G C D E F G C D E F G C D E F G C D E F G C D E F G C D E F G C D E F G D E E F G D E E F G D E E F G D E E F G D E E F G D E E F G D E E F G D E E E F G D E E E E E E E E E E E E E E E E E E | Q.0.00 | 100 | | | | | - | |
|--|-----------|------|------------------------|---------|------------------|------------------|---------------------------|-----|
| A B C D E F G CONTROLLED BY CO | \$46 96 | hour | | 110 | | wheel | 8629 Stump Grinder | 365 |
| A B C C D E F G C C C C C C C C C C C C C C C C C C | | | | | | 24" grinding | | |
| A B C C D E F G AND COLOR Engineent Capacity Social Frailer, Equipment Capacity Social Social Frailer, Equipment Social Frailer, Equipment Social Frailer, Equipment Social Frailer, Equipment Social Frailer, Water So | \$49.27 | hour | | 102 | | 112 | 8628 Stump Grinder | 364 |
| A B C C D E F G AND CONTROLL REGISTRATION CAPACITY OF TABLET, Dump Capacity 30 CY 0 Mover. | 1000 | | | | | 1988 Vermeer SC- | | + |
| A B B C C D E F G C C C C C C C C C C C C C C C C C C | \$59.95 | hour | | 630 | | Model HG6000 | | 363 |
| A B C D E F G DOING E F G DOING CONTROL Requirement Capacity Capacity of Size RP Modes Modes Prime Mour 2021 8591 Trailer, Equipment Capacity 30 Tons 0 Mover. hour 1 Nour 1 | \$337.45 | hour | | to 1000 | | | 8623 Tub Grinder | 362 |
| Cost Coole Equipment Copacity | \$192.21 | hour | | to 760 | | | 8622 Tub Grinder | 361 |
| A B C C D E F G C C D E F G C C C C C C C C C C C C C C C C C C | \$150.70 | hour | | to 630 | | | 8621 Tub Grinder | 360 |
| A B C Cost Code Equipment Specifications Capacity of Size HP Works F G 2021. RS591 Trailer, Dump Capacity 30 CY Does not include Prime 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. Hour 8601 Trailer, Equipment Capacity 60 Tons 0 Mover. Hour 8603 Trailer, Equipment Capacity 120 Tons 0 Includes a centrifugal pump with sump and a rear spraybar. Hour 8611 Trailer, Water Tank Capacity 10000 Gal Does not include Prime hour 1000 gal. Tank Capacity 10000 Gal Does not include Prime hour 1000 gal. Tank Capacity 10000 Gal Does not include Prime hour 1001 Mover. Hour | \$99.68 | hour | | to 440 | | | 8620 Tub Grinder | 359 |
| A B C Cost Code Equipment B C Capacity of Size HP Notes F G 2021 Record Code Equipment Capacity Specifications Record Trailer, Dump Capacity 30 CY | \$32.44 | hour | | 175 | | 1000 gal. tank | 8614 Truck- Water Tanker | 358 |
| A B C Cost Gode Equipment Capacity of Sixo HP Notes F G 2021 8591 Trailer, Dump Capacity 30 CY Does not include Prime 8601 Trailer, Equipment Capacity 40 Tons 0 Mover. hour 8602 Trailer, Equipment Capacity 40 Tons 0 Mover. hour 8603 Trailer, Equipment Capacity 40 Tons 0 Includes a centrifugal pump with sump and a rear 8612 Trailer, Water Tank Capacity 4000 Gal Does not include Prime hour 60 Mover. hour 9 Mover 9 Mover. hour 9 Mover. hour 9 Mov | \$28.09 | hour | | 0 | 14000 Gal | Tank Capacity | 8613 Trailer, Water | 357 |
| A B C Cost Code Equipment Specifications Capacity of Size HP Notes 8591 Trailer, Dump Capacity 30 CY Does not include Prime hour 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. hour 8601 Trailer, Equipment Capacity 60 Tons 0 Mover. hour 8602 Trailer, Equipment Capacity 120 Tons 0 Includes a centrifugal pump with sump and a rear spraybar. hour spraybar. | | | sump and a rear | | | | | |
| A B C Cost Code Equipment Capacity of Size BP Notes 8591 Trailer, Dump Capacity 30 CY 0 Mover. Does not include Prime Hour 8601 Trailer, Equipment Capacity 40 Tons 0 Mover. Hour 8602 Trailer, Equipment Capacity 60 Tons 0 Mover. Hour 8603 Trailer, Equipment Capacity 120 Tons 0 Includes a centrifugal pump with sump and a rear spraybar. Tank Capacity 6000 Gal 0 Spraybar. Hour spraybar. Hour spraybar. Hour sump and a rear spraybar. Hour spraybar. | | | pump with | | | | | |
| A B C Capacity Capacity or Size | | | Includes a centrifugal | | | | | |
| A B C Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 F 8591 Trailer, Dump Capacity 30 CY 0 Mover. | \$22.61 | hour | | 0 | 10000 Gal | Tank Capacity | 8612 Trailer, Water | 356 |
| A B C Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 F 8591 Trailer, Dump Capacity 30 CY Does not include Prime R600 Trailer, Equipment Capacity 40 Tons Does not include Prime R601 Trailer, Equipment Capacity 40 Tons Does not include Prime R602 Trailer, Equipment Capacity 60 Tons Does not include Prime R603 Trailer, Equipment Capacity 40 Tons Does not include Prime R600 Trailer, Equipment Capacity 60 Tons Does not include Prime R600 R601 Trailer, Equipment Capacity R60 Tons Does not include Prime R600 R601 Trailer, Equipment Capacity R60 Tons Does not include Prime R600 R601 Trailer, Equipment Capacity R60 Tons Does not includes a centrifugal Pump with Sump and a R601 Pump with Sump and a rear Spraybar. R601 Spra | | | sump and a rear | | | | | |
| A B C D E F D D E With Specifications Capacity or Size HP Notes Unit 2021 F Sect Code Equipment Capacity 30 CY D Does not include Prime Hour Sect Trailer, Equipment Capacity 40 Tons 0 Mover. Hour Sect Trailer, Equipment Capacity 40 Tons 0 Mover. Hour Sect Trailer, Equipment Capacity 40 Tons 0 Hour Hour Sect Trailer, Equipment Capacity 120 Tons 0 Includes a centrifugal pump with sump and a rear spraybar. Hour Section Se | | | pump with | | | | | |
| A B C Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 F 8591 Trailer, Dump Capacity 30 CY 0 Does not include Prime 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. hour 8601 Trailer, Equipment Capacity 60 Tons 0 Mover. hour 8602 Trailer, Equipment Capacity 120 Tons 0 Includes a centrifugal pump with sump and a rear spraybar. hour hour spraybar. | | | Includes a centrifugal | | | | | |
| A B C Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 F Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 F 8591 Trailer, Dump Capacity 30 CY 0 Mover. hour Mover. 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. hour Mover. 8601 Trailer, Equipment Capacity 60 Tons 0 Includes a centrifugal pump with sump and a rear spraybar. Includes a centrifugal pump with sump and a rear spraybar bour sump and a rear spraybar. | \$19.44 | hour | | 0 | 6000 Gal | Tank Capacity | 8611 Trailer, Water | 355 |
| A B C D E Motes Cost Code Equipment Specifications Capacity or Size HP Notes 8591 Trailer, Dump Capacity 30 CY 0 D Does not include Prime 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. 8602 Trailer, Equipment Capacity 60 Tons 0 Mover. 8603 Trailer, Equipment Capacity 120 Tons 0 Includes a centrifugal pump with sump and a pump with 8610 Trailer, Water Tank Capacity 4000 Gal Includes a centrifugal pump with | | | sump and a rear | | | | | |
| A B C D E F G Cost Code Equipment Specifications Capacity or Size RP Notes 8591 Trailer, Dump Capacity 30 CY 0 Mover. 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. 8601 Trailer, Equipment Capacity 60 Tons 0 Mover. 8603 Trailer, Equipment Capacity 120 Tons 0 Mover. 8610 Trailer, Water Tank Capacity 4000 Gal Demandary or size a centrifugal hour pump with sump and a lncludes a centrifugal hour lncludes a centrifugal lncludes | | | pump with | | | | | |
| A B C D E F G COST Code Equipment Spedifications Capacity or Size HP Notes Unit 2021 F 8591 Trailer, Dump Capacity 30 CY 0 Mover. Does not include Prime Hour Hour Mover. Does not include Prime Hour Hour Hour Hour Hour Hour Hour Hour | | | Includes a centrifugal | | | | | |
| A B C D E F G Cost Code Equipment Specifications Capacity or Size BP Motes 8591 Trailer, Dump Capacity 30 CY 0 Mover. Does not include Prime Hour Hour 8600 Trailer, Equipment Capacity 30 Tons 0 Mover. Hour Hour 8601 Trailer, Equipment Capacity 40 Tons 0 Mover. Hour Hour 8603 Trailer, Equipment Capacity 60 Tons 0 Mover. Hour Hour 8603 Trailer, Equipment Capacity Hour Hour Hour 8604 Trailer, Equipment Capacity Hour Hour Hour 8605 Trailer, Equipment Capacity Hour Hour Hour Hour 8606 Trailer, Equipment Capacity Hour Hour Hour Hour | \$15.84 | hour | | 0 | 4000 Gal | Tank Capacity | 8610 Trailer, Water | 354 |
| A B C D E F G C C D E F G C C D E F G C C C C D E F G C C C C C C C C C C C C C C C C C C C C | | | pump with sump and a | | | | | |
| A B C D E F G 2021 CoxtCode Equipment Specifications Capacity And Sections HP Nates Unit 2021 8591 Trailer, Dump Capacity 30 CY 0 Mover. hour hour 8600 Trailer, Equipment Capacity 40 Tons 0 Mover. hour hour 8603 Trailer, Equipment Capacity 60 Tons 0 Mover hour hour 8603 Trailer, Equipment Capacity 120 Tons 0 Mover hour hour | | | Includes a centrifugal | | | | | |
| ABCDEFGCost CodeEquipmentSpecificationsCapacity of SizeHPNotesUnit2021 (Cost Code)8591Trailer, DumpCapacity30 CY0Mover.hourhour8601Trailer, EquipmentCapacity30 Tons0Mover.hourhour8602Trailer, EquipmentCapacity40 Tons0to the second of the seco | \$34.36 | hour | | 0 | 120 Tons | Capacity | 8603 Trailer, Equipment | 353 |
| A B C D E F G P Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 F 8591 Trailer, Dump Capacity 30 CY 0 Mover. hour hour 8600 Trailer, Equipment Capacity 30 Tons 0 Mover. hour 8601 Trailer, Equipment Capacity 40 Tons 0 mount hour | \$23.01 | hour | | 0 | 60 Tons | Capacity | 8602 Trailer, Equipment | 352 |
| A B C D E F G 1 Cost Code Equipment Specifications Capacity or Size HP Nates Unit 2021 R 8591 Trailer, Dump Capacity 30 CY 0 Mover. hour hour 8600 Trailer, Equipment Capacity 30 Tons 0 Mover. hour | \$18.74 | hour | | 0 | 40 Tons | Capacity | 8601 Trailer, Equipment | 351 |
| A B C D E F G H Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 R 8591 Trailer, Dump Capacity 30 CY 0 Mover. | \$16.99 | hour | | 0 | 30 Tons | Capacity | 8600 Trailer, Equipment | 350 |
| A B C D E F G Cost Code Equipment Specifications Capacity of Size HP Notes Unit 2021 | \$13.56 | hour | | 0 | 30 CY | Capacity | 8591 Trailer, Dump | 349 |
| A B C D E F G Cost Code Equipment Specifications Capacity or Size HP Notes Unit 2021 (| | | Does not include Prime | | | | | |
| B C D F G | 2021 Rate | Unit | Notes | HP | Capacity or Size | Specifications | Cost Code Equipment | _ |
| | I | 6 | П | m | D | C | | |

| 20.04 | 2 | | - | 1 | | | | |
|-----------|------|--|--------|----------------------|---------------------------|----------------------|--------|-----|
| \$3.67 | | | Э | 10' x 32' | Trailer Size | 8642 Trailer, Office | 378 | 37 |
| \$2.74 | hour | | 0 | 8' x 32' | Trailer Size | 8641 Trailer, Office | 77 | 377 |
| \$2.31 | hour | Cargo Size 16ft | 0 | 8' x 24' | Trailer Size | 8640 Trailer, Office | 376 | 37 |
| \$35.88 | hour | | 125 | | Screen chipper w belt | 8639 Chipper | 375 | 37 |
| | | | | | Wildcat 626 | | | |
| \$16.00 | hour | Towed by Beach vehicle | 0 | | towed | 8638 Rake | 74 | 374 |
| | | | | | 600HDr, | | | |
| | | | | | Barber Beach Sand Rake | | | |
| \$40.53 | hour | 13 CY of soil each berry | 330 | dump | Trailer | 8637 Trailer | 73 | 373 |
| | | | | 26 CY of soil in one | Bottom-dump | | | |
| | | | | | Double Belly | | | |
| \$320.08 | hour | | 563 | w 317 gal fuel tank | 2400 | 8636 Scraper | 372 | 37 |
| | | | | | Soil Recycler WR | | | 1 |
| \$31.50 | hour | | to 120 | 20 TPH | Working Capacity | 8635 Mounted | 71 | 371 |
| | | | | | | Mulcher, Trailer | | |
| \$22.34 | hour | | to 55 | 10 TPH | Working Capacity | 8634 Mounted | 370 | 37 |
| | | | | | | Mulcher, Trailer | | |
| \$15.17 | hour | | to 35 | 7 TPH | Working Capacity | 8633 Mounted | 369 | 36 |
| | | | | | | Mulcher, Trailer | | |
| \$30.20 | hour | nclude Prime Mover. | to 115 | 3500 Gal | Working Capacity | 8632 Sprayer, Seed | 368 | 36 |
| | | Trailer & truck mounted. | | | | | | |
| \$20.21 | hour | Trailer & truck mounted. Does not include Prime Mover. | to 50 | 1250 Gal | Working Capacity | 8631 Sprayer, Seed | 367 | 36 |
| \$14.61 | hour | Trailer & truck mounted. Does not include Prime Mover. | to 30 | 750 Gal | Working Capacity | 8630 Sprayer, Seed | 366 | 36 |
| 2021 Rate | Unit | Notes | 45 | Capacity or Size | Specifications | t Code Equipment | 1 Cost | |
| Ι | G | F | т | D | 0 | В | A | |
| | | | | | | | | l |

| 391 | | 390 | 389 | 388 | 387 | | 386 | | 385 | | I | 384 | | | | 383 | | | | 382 | | 381 | | | 380 | | 379 | | | |
|---|-------------------------|------------------|-------------|------------------|---------------------------|---------------|------------------|-------------|-----------------------|--------------|-------------|----------|--------------------|-------|------------------------|---------------|--------------------|-------|------------------------|---------------------|------------------|--------------------|-------------|-----------------|--------------|--------------------------|-------------------|--------------------|------------------|---|
| Derrick 8670 Digger | | 8662 F | 8661 F | 8660 F | 8654 1 | | 8653 1 | | 8652 7 | | | 8651 | | | | 8650 7 | | | | 8646 | | 8645 | | | 8644 Trailer | | 8643 Trailer | | Cost Cade | Þ |
| Derrick, Hydraulic Digger | | 8662 Plow, Cable | Plow, Cable | 8660 Plow, Cable | 8654 Trencher Accessories | | Trencher/Ditcher | | 8652 Trencher/Ditcher | | | Trencher | | | | 8650 Trencher | | | | 8646 Trailer, Dodge | | Trailer, Dodge Ram | | | [railer | Trailer, Covered Utility | [railer | | Equipment | В |
| Ft, 12,000 Ft-Lb Hydraulic | Max. Boom = 60 | Plow Depth | Plow Depth | Plow Depth | Trenchbox | 2008 Griswold | T8.330 | New Holland | 2012) | B115B (disc. | New Holland | | | | | | | | | water | 8' x 32' flatbed | showers | trailer- 12 | 8' x 24' shower | (7' X 16') | | Equipment trailer | Haz-Mat | Specifications | С |
| Lift Capacity 15,500 Lbs | | 48 in | 36 in | 24 in | 4 - | | EROPS 4WD | | EROPS 4WD | | | | | | | | | | | 25,000 MGVW | | | | | | | 8'x18' | | Capacity or Size | D |
| 275 | | to 110 | to 65 | to 30 | 0 | | 284 | | 108 | | | to 85 | | | | to 40 | | | | 200 | | 101 | | | 0 | | 0 | | #9 | т |
| alignment attachment. Include truck rate | Includes hydraulic pole | | | | | | | | | | | Wheel. | Mounted. Chain and | Wheel | Walk-behind, Crawler & | Wheel. | Mounted. Chain and | Wheel | Walk-behind, Crawler & | 4x2-Axle | | | | | Location | Move by Tractor to | Location | Move by Tractor to | Notes | F |
| hour | | hour | hour | hour | hour | | hour | | hour | | | hour | | | | hour | | | | hour | | hour | | | hour | | hour | | Unit | G |
| \$36.15 | | \$43.15 | \$40.95 | \$13.93 | \$1.99 | | \$86.94 | | \$36.56 | | 1 | \$29.85 | | | | \$17.24 | | | | \$29.00 | | \$30.75 | | | \$5.96 | | \$39.42 | | 2021 Rate | н |

| 585 77 | hour | | | ZUUU GPIVI | | 6093 ITUCK, FITE | 407 |
|-----------|------|---|---------|----------------------|-----------------------------------|--|-----|
| \$82.24 | hour | | 500 | 1500 GPM/1000 gal | | 8692 Truck, Fire | 406 |
| \$75.61 | hour | | 500 | 1250 GPM/2500 gal | | 8691 Truck, Fire | 405 |
| \$71.31 | hour | | | 1000 GPM @150 psi | | 8690 Truck, Fire | 404 |
| \$80.11 | hour | S3 Water Tender | | 200GPM/1000gal | | 8689 Water Tender S3 | 403 |
| \$104.95 | hour | S2 Water Tender | | 200GPM/2500gal | | 8688 Water Tender S2 | 402 |
| \$116.10 | hour | S1 Water Tender | 115-149 | 300GPM/4000gal | | Truck, Fire, Support 8687 Water Tender S1 | 401 |
| \$133.34 | hour | Hose 2-1/2"D 1000' Long | 100-199 | 500gpm/300gal | 48 ft Ladder | 8686 Truck, Fire (Type-II) | 400 |
| \$156.16 | hour | Hose 2-1/2"D 1200' Long | 200-250 | Stream | 48 ft Ladder | 8685 Truck, Fire (Type-I) | 399 |
| | | | | 1000gpm/400gal, | | | |
| \$180.49 | hour | 1500gpm Monitor/nozzle | 450 | 2000gpm/500gal | Aerial 100Ft Ladder | 8684 Truck, Fire | 398 |
| \$120.97 | hour | Hose 1-1/2"D 500' Long | 115-149 | 150gpm/500gal, | 48 ft Ladder | 8683 3 | 397 |
| | | | | | | Truck, Fire, Engine Type- | |
| \$133.85 | hour | Engine, with Pump & Roll | | 500GPM/300gal | | 8682 2 | 396 |
| | | | | | | Truck, Fire, Engine Type- | |
| \$141.96 | hour | Engine, with Pump & Roll | | 1000GPM/300gal | | Truck, Fire, Engine Type- 8681 1 | 395 |
| \$85.90 | Hour | side of Platform | 600 | Water or Foam | 112Ft Ladder | 8680 Platform | 394 |
| | | 2-1000gpm Nozzles 1- Each | | 3000gpm/1000 gal | | Truck, Fire Aerial | |
| \$110.73 | Hour | Sonic Sidegrip Vibratory Pile Driver | 178 | 134KW | 28-32 ton Head | 8672 Movax SP-60 | 393 |
| \$56.38 | hour | Include truck rate | 310 | Lbs | Hydraulic | 8671 Digger | 392 |
| | | Includes hydraulic pole alignment attachment. | | Lift Capacity 26,700 | Max. Boom = 90 Ft, 14000 Ft-Lb | Derrick, Hydraulic | |
| 2021 Rate | Unit | Notes | + | Capacity or Size | Specifications | Ost Code Equipment | _ |
| ェ | വ | П | т | D | 0 | A B | |

| 425 | 424 | 423 | 422 | 421 | | 420 | | 419 | | | 418 | 417 | 416 | 415 | 414 | 413 | | 412 | | 411 | | 410 | 409 | | 408 | | _ | |
|------------------------------|--------------------------|--|--------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|---------------------|---------------------|---------------------|----------------|-----------------|---------------------|--------------------------|---------------------------|-----------------|-----------------------|----------------------|-----------------------|------------------|-------------------------|---------------|-------------------------|--------------|------------------|---|
| Clean 8713 Basin | 8712 B | 8711-1 Ir | 8711 F | 8710 T | | 8709 T | | 8708 T | | | 8703 T | 8702 1 | 8701-1 | 8701 | | 8699 3 | | 8698 | T. | 8697 V | | | | | | | Cost Code E | A |
| Cleaner, Sewer/Catch Basin | Basin | Sewer Camera Inspection Truck | Flat Bed Utility Trailer | 8710 Trailer, Semi | | 8709 Trailer, Semi | | 8708 Trailer, Semi | | | 8703 Truck, Flatbed | 8702 Truck, Flatbed | Truck, Flatbed | Truck, Flatbed | 8700 Truck, Flatbed | | Truck, Fire, Engine Type- | Water Tender T2 | Truck, Fire, Tactical | 8697 Water Tender T1 | Truck, Fire, Tactical | 8696 Truck, Fire | 8695 Truck, Fire Ladder | | 8694 Truck, Fire Ladder | | quipment | В |
| Hopper Capacity | Hopper Capacity | | 6 ton | freight | 28ft, single axle, | 53 ft, two axles | enclosed 48 ft to | axle | bed, freight, two | 48ft to 53ft, flat- | Maximum Gvw | Maximum Gvw | Maximum Gvw | Maximum Gvw | Maximum Gvw | | 1 | | | | | No Ladder | Ladder | Aerial 150 ft | Ladder | Aerial 75 ft | Specifications | C |
| 14 CY | 5 CY | Aries Pathfinder System Control Center, Work Station | | 25,000 gvwr | | 50,000 gvwr | | 50,000 gvwr | | | 45000 Lbs | 30000 Lbs | 25000 Lbs | 25000 Lbs | 15000 Lbs | 150GPM/500gal | | 250GPM/1000gal | | 250GPM/2000gal | | | 150 FT | | 1500GPM/600 gal | | Capacity or Size | D |
| 60 | 50 | | 0 | 0 | | 0 | | 0 | | | to 380 | 217 | 200 | to 275 | to 200 | | | | | 175 | | 330 | | | 475 | | H | E |
| Truck Mounted. (1500 Gal) | Truck Mounted. (350 gal) | | | | | Enclosed | | | | | Diesel Engine | Diesel Engine | Diesel Engine | Gasoline Engine | Diesel Engine | Engine, with Pump & Roll | | | | | | Rescue Equipment | No Platform, | | | | Notes | F |
| hour | hour | hour | hour | hour | | hour | | hour | | | hour | hour | hour | hour | hour | hour | | hour | | hour | | hour | hour | | hour | | Unit | G |
| \$31.96 | \$25.81 | \$14.00 | \$3.62 | \$10.15 | | \$9.96 | | \$8.79 | | | \$48.23 | \$29.31 | \$28.95 | \$33.72 | \$22.24 | \$128.27 | | \$104.11 | | \$121.17 | | \$97.71 | \$148.48 | | \$122.69 | | 2021 Rate | I |

| 443 | 442 | 441 | | 440 | 439 | | 438 | 437 | 436 | 435 | 434 | | 433 | | 432 | 431 | | | 430 | 429 | | | 428 | | 427 | | 426 | | | -7 | |
|---------------------|---------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------|--------------------------|--------------|--------------------|---------------|-----------------------|--------------|-----------------------|-----------------|----------------|--------|-----------------|----------------|-------------------------------|----------------|-------------------------------|----------------|---------|---------------------|----------|
| 8731 Truck, Garbage | 8730 Truck, Garbage | 8726 Truck, Dump | | 8725 Truck, Dump | 8724 Highway | Truck, Dump, Off | 8723 Truck, Dump | 8722 Truck, Dump | 8721 Truck, Dump | 8720 Truck, Dump | 8719 Litter Picker | | 8718 Trash Pump | | 8717 Truck, Vacuum | 8716 Leaf Vac | | | 8715 Truck, Hydro Vac | 8714-3 Cleaning | Combined Sewer | | 8714-2 Cleaning | Combined Sewer | 8714-1 Vacuum Truck | Vector Combine | 8714 Cleaning | Combined Sewer | | Cost Code Equipment | A B |
| Capacity | Capacity | hauling truck | Caterpillar Sand | Struck Capacity | Struck Capacity | | Struck Capacity | Struck Capacity | Struck Capacity | Struck Capacity | Barber | model 2007 | 10MTC | CPB Rating - | 60,000 GVW | capacity | 22,000 cfm | Tow by Truck | model LP555DT | Vacuum | Combined Sewer | VACCON | Peterbilt | | 1500 gal Water | | Water | Spoils/400 Gal | 800 Gal | Specifications | C |
| 32 CY | 25 CY | | | 18 CY | 28 CY | | 14 CY | 12 CY | 10 CY | 8 CY | | | 10000 gal/Hr | | | | | | pump | 500-1500 gals | | | 1500 gal Water | | 15 Cu Yd | | 500/800 gal | | | Capacity or Size | D |
| to 325 | to 255 | 489 | | to 400 | to 450 | | to 400 | to 400 | to 320 | to 220 | 0 | | 7 | | 400 | 85 | | | 36 | 370 | | | 345 | | 330 | | 190 | | | HP | m |
| | | | | | | | | | | | Towed by tractor | | Self- Priming Trash Pump | | | 8811 | Leaf Vac + Truck Code | | Towed by tractor | | | | | | with water & waste Tanks hour | | with water & waste Tanks hour | | | Notes | 71 |
| hour | hour | hour | | hour | hour | | hour | hour | hour | hour | hour | | hour | | hour | hour | | | hour | hour | | | hour | | hour | | hour | | | Unit | <u>م</u> |
| \$57.86 | \$50.49 | \$132.00 | | \$84.27 | \$139.82 | | \$78.59 | \$73.31 | \$65.75 | \$52.96 | \$9.59 | | \$7.87 | | \$77.79 | \$53.67 | | | \$18.76 | \$80.00 | | | \$90.00 | | \$88.16 | | \$86.29 | | | 2021 Rate | T |

| 459 | 458 | | 457 | 456 | | 455 | 454 | 453 | 452 | 451 | 450 | 449 | 448 | | 447 | | 446 | | | 445 | | 444 | | | | | |
|---------------------------------------|-------------------------|---------------------------------------|------------------|--------------------------|-------------------|----------------------------|---------------------|---------------------|---------------------|-----------------------------|-----------------------------|-----------------|------------------|-----------------|-----------------|------------|------------------------|----------------|------------|-------------------------|-----------------|-------------------------|-----|------------------|---------------|---------------------|-----|
| 8770 Welder, Portable | 8761 Vibrator, Concrete | | 8755 Golf Cart | 8754 Motor Coach | | 8753 Vehicle, Recreational | 8750 Vehicle, Small | 8749 Van-Cargo | 8748 Van-Cargo | 8747 Van-up to 15 Passenger | 8746 Van-up to 15 Passenger | 8745 Van, Sstep | 8744 Van, Custom | | 8736 Truck, Tow | | 8735 Truck, Attenuator | | | 8734 Attenuator, Safety | | 8733 E-BAM Services | | | | Cost Code Equipment | A B |
| | 2.5-in | Shaft Length 16- ft, Head Diameter | Battery operated | GVW 50534 | | | | light duty, class 2 | light duty, class 1 | light duty, class 2 | light duty, class 1 | model MT10FD | Canteen Truck | Special Service | Kodiak 70 | 1987 Chevy | mph | Mounted for 60 | 2004 Truck | vehicle at 60 mph | that can stop a | Monitor | Air | Beta Attenuation | Environmental | Specifications | С |
| | | • | 2 person | Driver | 56 Passenger + 1- | | | | | | | | | | | | | | | _ | | | | | | Capacity or Size: | D |
| to 16 | 2 | | 0 | 430 | | to 10 | to 30 | 225-300 | 225 - 300 | 225-300 | 225-300 | 300 | 350 | | 175 | | 0 | | | 0 | | 0 | | | | HP | Е |
| Includes ground cable and lead cable. | | | | Passenger Transportation | | | | | | | | | | | | | | | | | | Powered by Solar System | | | | Notes | F |
| hour | hour | | hour | Hour | | hour | hour | hour | hour | hour | hour | hour | hour | | hour | | hour | | | hour | | hour | | | | Unit | G |
| \$3.89 | \$1.51 | | \$3.85 | \$64.84 | | \$2.91 | \$6.50 | \$23.00 | \$22.75 | \$21.06 | \$20.77 | \$22.36 | \$18.61 | | \$29.13 | | \$3.94 | | | \$5.44 | | \$3.11 | | | | 2021 Rate | Ξ |

| 472 | | 471 | | | | 470 | | 469 | 468 | 467 | 466 | | 465 | | 464 | | | 463 | | | 462 | | | 461 | | | 460 | 460 | 460 | 460 |
|-----------------------------|-------------------|----------------------|------|--------------|-----------------|---------------|------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|----------------------|-------------------|-------|-----------------------|-------------------|-------|-----------------------|-----------------------|----------|-----------------------|-----------------------|----------|-----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| 8795 Truck, Backhoe Carrier | | 8794 Truck, Freight | | | | 8793 Truck | | 8792 Truck, Tractor | 8791 Truck, Tractor | 8790 Truck, Tractor | 8789 Truck, Tractor | | 8788 Truck | Container & Roll Off | 8781 Truck, Water | | | 8780 Truck, Water | | | 8773 Welder, Portable | | | 8772 Welder, Portable | | | 8771 Welder, Portable | 8771 Welder, Portable | 8771 Welder, Portable | 8771 Welder, Portable |
| 8, heavy duty | Three axle, class | class 5 | duty | gate. Medium | Enclosed w/lift | Cutaway Truck | Ford F-450 | 6 x 2 | 4 x 2 | 4 x 2 | F120 | 1997 Freightliner | Roll off Truck | | Tank Capacity | | | Tank Capacity | | | | | | | | | | | | Spedifications |
| over 33000Lbs | | gvwr 16000-19500 Lbs | | | | | | 45000 lbs | 35000 lbs | 25000 lbs | | | 30 yds, | | 4000 Gal | | | 2500 Gal | | | | | | | | | | | | Capacity or Size |
| 280 | | s 200 | | | | 225 | | to 360 | to 330 | to 210 | 430 | | 200 | | to 250 | | | to 175 | | | to 80 | | | to 50 | | | to 34 | to 34 | to 34 | to 34 |
| | | 4 X 2 Axle (D) | | | | | | | | | | | Roll-off-Truck only | | system. | spray | Include pump and rear | system. | spray | Include pump and rear | cable. | and lead | Includes ground cable | cable. | and lead | Includes ground cable | cable. | and lead cable. | Includes ground cable and lead cable. | Includes ground cable and lead cable. |
| hour | | hour | | | | hour | | hour | hour | hour | hour | | hour | | hour | | | hour | | | hour | | | hour | | | hour | hour | hour | hour |
| \$35.04 | | \$27.63 | | | | \$85.78 | | \$57.25 | \$49.93 | \$40.49 | \$57.61 | | \$24.06 | | \$52.59 | | | \$28.95 | | | \$12.22 | | | \$11.95 | | | \$7.09 | \$7.09 | \$7.09 | \$7.09 |

| 485 | - 3 | 484 | 483 | | 482 | | 481 | | 480 | | 479 | | 478 | | 477 | 476 | | | 475 | | | 474 | | 473 | | | | |
|--------------------|--------------|--------------------|--------------------|----------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|--------------|--------------------|----------------|---------------------------|------------------|---------------------|---------------------|----------------|-------------------|---------------------|---------------------|------------------|---------------------|----------------------|------------------|---------------------|-----|
| 8808 Truck, Pickup | 3000 | 8807 Truck. Pickup | 8806 Truck, Pickup | | 8805 Truck, Pickup | | 8804 Truck, Pickup | | 8803 Truck, Pickup | | 8802 Truck, Pickup | | 8801 Truck, Pickup | | 8800 Truck, Pickup | 8799 Truck, | | | 8798 Truck | | | 8797 Truck, Freight | | 8796 Truck, Freight | | | Cost Code Equipment | A B |
| Truck | 1-ton Pickup | 3/4-ton Pickup | Truck | 3/4-ton Pickup | Truck | 1 3/4-ton Pickup | Truck | 1 1/2-ton Pickup | Truck | 1 1/4-ton Pickup | Truck | 1-ton Pickup | Truck | 1/2-ton Pickup | | heavy duty | three axle. class 8 | Tilt and roll back, | heavy duty, | two axle, class 7 | Tilt and roll-back, | M2-106 | | class 7 | gate. Heavy duty, | Eenclosed w/lift | Specifications | С |
| 4x4-Axle | TAT DAIC | 4x4-Ax e | 4x2-Axle | | 4x2-Axle | | 4x2-Axle | | 4x2-Axle | | 4x2-Axle | | 4x2-Axle | | | over 33,001 gvwr | | | to 33,000 gvwr | | | Truck | Refrigerated Box | gvwr | 26,001 to 33,000 lbs | 2 | Capacity or Size | D |
| 340 | 000 | 285 | 165 | | 300 | | 300 | | 260 | | 234 | | 160 | | | 280 | | | 217 | | | 250 | | 217 | | | 4 | т |
| Crew | <u></u> | Crew | | | | | | | | | | | | | When transporting people. | 6 X 4 Axle (D) | | | 4 X 2 Axle (D) | | | | | 4 X 2 Axle (D) | | | Notes | F |
| hour | | hour | hour | | hour | | hour | | hour | | hour | | hour | | mile | hour | - | | hour | | | hour | | hour | | | Unit | G |
| \$20.57 | /0.CT¢ | ¢19.87 | \$12.77 | | \$21.94 | | \$21.13 | | \$21.10 | | \$16.81 | | \$11.75 | | \$0.56 | \$42.92 | | | \$32.58 | | | \$31.41 | | \$31.87 | | | 2021 Rate | Т |

| 500 | 499 | | 498 | | 497 | 496 | | | 100 | 495 | 494 | 494 | 493 494 495 | 492 493 494 495 | 491 492 493 494 495 | 491 492 493 494 494 | 490 491 492 493 494 | 490 491 492 493 494 494 | 490 491 491 492 493 494 | 489 490 491 492 493 494 494 | 488 489 490 491 492 493 494 | 488 489 490 491 492 493 494 | 487 488 490 491 491 492 493 494 | 486 487 488 490 491 491 492 493 | 486 487 488 489 490 491 492 493 494 494 | 1 486 487 488 489 490 491 491 492 493 |
|-------------------|-------------|--------------------------------|------------------------------|---------------------|--------------------------------|------------------|--------------------|------|----------------------|---------|--------------|----------------------------|--|--|---|---|---|---|---|---|---|---|---|---|---|---|
| 8845 Vehicle | 8844 Center | Mobile Command | 8843 Mobile Response Trailer | | Mobile Command 8842 Trailer | 8841 Truck, Fuel | | | 8840 I ruck, Service | 00 40 T | 8825 Skidder | 8825 Skidder | 8824 Skidder 8825 Skidder | 8823 Chipper- Wood Recycler 8824 Skidder 8825 Skidder | 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8820 Skidder Accessory 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8820 Skidder Accessory 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8811 Truck, Pickup 8820 Skidder Accessory 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8811 Truck, Pickup 8811 Truck, Pickup 8820 Skidder Accessory 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8810 Truck, Pickup 8811 Truck, Pickup 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8809 Truck, Pickup 8810 Truck, Pickup 8811 Truck, Pickup 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder | 8809 Truck, Pickup 8810 Truck, Pickup 8811 Truck, Pickup 8821 Forklift, Accessory 8822 Truck, Loader 8823 Chipper- Wood Recycle 8824 Skidder 8825 Skidder |
| (RV) (In- Motion) | 35 | (unified) (RV) Ulitimaster MP- | 1 | (8' X 31') with 4 5 | (8' X 28') with 7.5 | tank | 1,800 gal. storage | 2009 | fuel and lube | | Cat 525C | 40K lbs- model Cat 525C | model Cat 525B 40K lbs- model Cat 525C | | | | | | | | | | | | | |
| 22-Ft Long | Generator | 43 FT Long with | | | | | | | up to 26,000 gvwr | | | | | | | | | | | | 4x4-Axle | 4x4-Axle | 4x4-Axle 4x4-Axle | 4x4-Axle 4x4-Axle | 4x4-Axle 4x4-Axle 4x4-Axle | 4x4-Axle 4x4-Axle 4x4-Axle |
| 340 | 400 | | 0 | | 0 | 200 | | | 215-225 | | 161 and up | 161 and up | up to 160 161 and up | 700 up to 160 161 and up | 230 700 up to 160 161 and up | 230 700 up to 160 161 and up | 230 230 700 up to 160 161 and up | 230 700 up to 160 161 and up | 0 0 230 700 up to 160 161 and up | 0 0 230 700 up to 160 161 and up | 362 0 0 230 230 up to 160 161 and up | 362 0 0 230 230 up to 160 161 and up | 362 362 0 0 0 230 230 up to 160 161 and up | 360 362 362 0 0 0 230 230 up to 160 up to 160 | 360 362 362 0 0 0 230 230 up to 160 up to 160 | 360 362 362 0 0 0 230 230 up to 160 161 and up |
| | | | Tractor | Move to Location by | Move to Location by Tractor | | | | | | | | | | | | | | | | Crew | Crew | Crew | Crew | Crew | Crew |
| hour | hour | | hour | | hour | hour | | | hour | | hour | hour | hour | hour hour | hour hour | hour hour | hour hour hour | hour hour hour | hour hour | hour hour hour | hour hour hour | hour hour hour | hour hour hour | hour hour hour | hour hour hour hour hour | hour hour hour hour hour |
| \$31.99 | \$87.31 | | \$14.06 | H::0 | \$14 94 | \$32.46 | | | \$40.75 | | \$132.45 | \$132.45 | \$110.67 \$132.45 | \$120.16 \$110.67 \$132.45 | \$53.97 \$120.16 \$110.67 \$132.45 | \$53.97 \$120.16 \$110.67 \$132.45 | \$1.58 \$53.97 \$120.16 \$110.67 \$132.45 | \$1.58 \$53.97 \$120.16 \$110.67 \$132.45 | \$1.77 \$1.58 \$53.97 \$120.16 \$110.67 \$132.45 | \$1.77 \$1.58 \$1.59 \$53.97 \$120.16 \$110.67 \$132.45 | \$26.24 \$1.77 \$1.58 \$1.597 \$120.16 \$110.67 \$132.45 | \$26.24 \$1.77 \$1.58 \$1.58 \$120.16 \$110.67 \$132.45 | \$25.53 \$26.24 \$1.77 \$1.58 \$1.58 \$120.16 \$120.16 \$110.67 | \$25.19 \$25.53 \$26.24 \$1.77 \$1.58 \$1.58 \$120.16 \$120.16 \$132.45 | \$25.19 \$25.53 \$26.24 \$1.77 \$1.58 \$1.58 \$120.16 \$120.16 \$132.45 | \$25.19 \$25.53 \$26.24 \$1.77 \$1.58 \$1.58 \$120.16 \$110.67 \$132.45 |

| B | \$6.67 | hour | | 7.5 | | 2004 Allmand | Light Tower | 8871 | 511 |
|--|-----------|------|---------------------|---------|------------------|-------------------------------|---------------------|-----------|-----|
| B | \$10.56 | hour | | 13.5 | 10kw power unit | watt lights | Light Tower | 8870 | 510 |
| B | | | | | | 500 | | | |
| B C D E F G Equipment C C D E F G Mobile Command Post Vehicle (RV) (Stationary) 22-Ft Long 340 Hour Init 2021 Mobile Command Post Vehicle Generator 22-Ft Long 340 Move to Location by Four Hour Hour Hour 48-88 When Four Move to Location by Four Hour Hour Hour 48-88 When Four Move to Location by Four Hour | | | | | | lerex/Amida AL 4000. with (4) | | | |
| B | \$100.22 | hour | | 480-550 | | Equip | Vehicle | 8854 | 509 |
| B C D E F G Equipment (RV) (Stationary) Capacity or Size HP Notes Unit 2021 Mobile Command Post W/9.6 KW 22-Ft Long 340 Hour Hour 2021 Mobile Command Mobile 48'x8' Trailer, Fully Equiped 48'x8' When Move to Location by Hour Hour Center (Trailer) 48'x8' When Mobile Command Center 48-Ft Long 0 Tractor Hour Hour Center (Trailer) W/Truck Tractor 310 Tractor Hour Hour Center (Trailer) 43'x8.5' x 13.5'H Mobile Command Generator Hour Hour Center (Trailer) 43'x8.5' x 13.5'H Generator Hour Hour Center (Trailer) 43'x8.5' x 13.5'H Generator Hour Hour Center (Trailer) 43'x8.5' x 13.5'H Generator Hour Hour Center (Trailer) 47.5' x 8.75 Fully 280 Included Hour Center (Trailer) 47. | | | | | | 53' X 8.75 Fully | Mobile Command | | |
| B | \$46.53 | hour | | 410 | | (Stationary) | Center | 8853 | 508 |
| Requipment C D E F G Equipment (RV) (Stationary) Mobile Command Post (RV) (Stationary) Wehicle G Generator (Trailer) Mobile Command Dost (RV) (Stationary) Mobile Command Dost (RV) (Stationary) Mobile Command Dost (RV) (Stationary) Mobile Command Dost (RV) Center (Trailer) Mobile Command Dost (RV) Mobile Command Dost (R | | | | | | Equip' | Mobile Command | | |
| B C D E F G | | | | | | 47.5' X 8.75 Fully | | | |
| Requipment B C C D Equipment Specifications (RV) (Stationary) (As'x8' Trailer, (As'x8' Trailer, (As'x8' Trailer, (As'x8' Trailer, (As'x8' Trailer, (As'x8' When (As' | \$68.99 | hour | | 410 | | (RV) | Center | 8852 | 507 |
| B C D E F G IIII IIII IIII IIII IIII IIII III | | | æ | | | Equip' (In motion) | Mobile Command | | |
| REQUIPMENT Specifications (RV) (Stationary) Mobile Command Post W/9.6 KW Vehicle 48'x8' Trailer, Fully Equiped Mobile Command Mobile Comm | | | | | | 47.5' X 8.75 Fully | | | |
| B C D E F G Equipment (RV) (Stationary) Mobile Command Post W/9.6 KW Vehicle (Senerator) Mobile Command Mobile Command (Center (Trailer)) Mobile Command (MTruck Tractor) Mobile Command (Generator) Mobile Co | \$43.38 | hour | Equipment | 230 | | Van | Mobile Command Van | 8851 | 506 |
| Requipment C | | | Communication | | | Communication | | | |
| B C D E F G Rquipment (RV) (Stationary) (RV) (Stationary) RP Notes Unit 2021 tr Mobile Command Post Vehicle (RV) (Stationary) 48'x8' Trailer, 48'x8' Trailer, Fully Equiped Achieved Achieve to Location by A | | | | | • | Econoline- | | | |
| B C D E F G Unit 2021 F Equipment Specifications Capacity or Size HP Notes Unit 2021 F Mobile Command Post Vehicle W/9.6 KW 22-Ft Long 340 Hour hour 22-Ft Long Hour 48'x8' Trailer, Fully Equiped Hour | | | | | | 1990- Ford | | | |
| B C D E Notes F G C C Pacifications Capacity or Size HP Notes T Unit 2021 F C C C C C C C C C C C C C C C C C C | \$47.78 | hour | | 260 | | MT-55, (RV) | Center | 8850 | 505 |
| B C D E F G Equipment Specifications Capacity or Size HP Notes Unit 2021 r Mobile Command Post Vehicle (RV) (Stationary) w/9.6 KW 22-Ft Long 340 Notes hour hour Vehicle 48'x8' Trailer, Fully Equiped 48'x8' Trailer, Fully Equiped Mobile Move to Location by Tractor hour Center (Trailer) Command Center 48-Ft Long 0 Tractor hour Mobile Command 48'x8' When being Moved w/Truck Tractor 310 Tractor Rate not hour hour Mobile Command with self 30kw Generator Rate not included hour | | | | | | 2007-Freightliner | Mobile Command | | |
| B C D E F G Equipment Specifications Capacity or Size HP Notes F G (RV) (Stationary) Mobile Command Post W/9.6 KW Vehicle Generator 22-Ft Long 340 HP Notes Docation by Center (Trailer) Command Center 48-Ft Long 0 Tractor Hour Mobile Command Being Moved Center (Trailer) W/Truck Tractor 43'x8.5' x 13.5'H Mobile Command With self 30kw Generator Rate not Generator Rate Rate Rate Rate Rate Rate Rate Rate | \$56.15 | hour | included | 280 | | Generator | Center | 8849 | 504 |
| Equipment Specifications Capacity or Size HP Notes Unit 2021 F (RV) (Stationary) Mobile Command Post W/9.6 KW Vehicle 48'x8' Trailer, Fully Equiped Mobile Command Center (Trailer) Command Center 48-Ft Long 0 Tractor hour Mobile Command being Moved Center 43'x8.5'x 13.5'H 5 Move to Location by hour hour 48'x8' When hour 48'x8' When hour hour hour | | | Generator Rate not | | | with self 30kw | Mobile Command | | |
| B C D E F G Equipment Specifications Capacity or Size HP Notes Unit 2021 I Mobile Command Post (RV) (Stationary) W/9.6 KW W/9.6 KW W/9.6 KW W/9.6 KW A8'x8' Trailer, A8'x8' When | | | | | | 43'x8.5' x 13.5'H | | | |
| B C D E F G Equipment Specifications (RV) (Stationary) Mobile Command Post W/9.6 KW Vehicle 48'x8' Trailer, Fully Equiped Mobile Command Center (Trailer) Command Center 48-Ft Long 0 Tractor hour being Moved being Moved 0 Tractor hour | \$51.40 | hour | | 310 | | w/Truck Tractor | Center (Trailer) | 8848 | 503 |
| Regulpment Specifications Capacity or Size HP Notes Unit 2021 F (RV) (Stationary) Mobile Command Post V/9.6 KW Vehicle 48'x8' Trailer, Fully Equiped Mobile Command Center (Trailer) Center (Trailer) Command Center 48-Ft Long 0 Tractor hour | | | | | | being Moved | Mobile Command | | |
| Requipment Specifications Capacity or Size FP Notes Unit 2021 F Requipment Specifications Capacity or Size FP Notes Unit 2021 F Mobile Command Post W/9.6 KW Vehicle Generator 22-Ft Long 340 Hour Hour As'x8' Trailer, Fully Equiped Mobile Command Center (Trailer) Command Center 48-Ft Long 0 Tractor hour | | | | | | 48'x8' When | | | |
| B C D E F G Inent Specifications Capacity or Size HP Notes Unit 2021 if (RV) (Stationary) Command Post W/9.6 KW Generator 22-Ft Long 340 hour 48'x8' Trailer, Fully Equiped Mobile Mobile Move to Location by | \$32.13 | hour | Tractor | 0 | 48-Ft Long | Command Center | | 8847 | 502 |
| B C D E F G Lent Specifications Capacity or Size HP Notes Unit 2021 F Command Post w/9.6 KW Generator 22-Ft Long 340 hour hour 48'x8' Trailer, Fully Equiped Fully Equiped Trailer, Fully Equiped He H | | | Move to Location by | | | Mobile | Mobile Command | | |
| B C D E F G Intent Specifications Capacity or Size HP Notes Unit 2021 F (RV) (Stationary) Command Post W/9.6 KW Generator 22-Ft Long 340 hour 48'x8' Trailer, | | | | | | Fully Equiped | | | |
| B C D E F G Lent Specifications Capacity or Size HP Notes Unit 2021 F Command Post w/9.6 KW 4 <td></td> <td></td> <td></td> <td></td> <td></td> <td>48'x8' Trailer,</td> <td></td> <td></td> <td></td> | | | | | | 48'x8' Trailer, | | | |
| C D E F G Specifications Capacity or Size HP Notes Unit 2021 (RV) (Stationary) w/9.6 KW | \$20.61 | hour | | 340 | 22-Ft Long | Generator | Vehicle | 8846 | 501 |
| Specifications Capacity or Size HP Notes F G | | | | | | (RV) (Stationary) w/9.6 KW | Mobile Command Post | | |
| C D E F G | 2021 Rate | Unit | Notes | SP | Capacity or Size | Specifications | Equipment | Cost Code | _ |
| | I | G | Ŧ | т | D | C | В | Þ | |

| 522 | | 521 | | 520 | | | | 519 | | 518 | | 517 | | | 516 | | 515 | | | 514 | | | | 513 | | | | 512 | | _ | |
|-----------------|---------------------------|--------------------------------|-------------|-----------------|------|----------------|------------|-----------------|------------------|-----------------|----------------|-----------------|------------|------------------|-----------------|------------------|--------------------------|-----------|-------------------|-----------------|------|-------------------|-------------|-----------------|------|-------------------|-------------|-------------------------|----------------------|---------------------|---|
| 8909 Helicopter | | 8908 Helicopter | | 8907 Fixed wing | | | | 8906 Fixed wing | | 8905 Helicopter | | 8904 Helicopter | | | 8903 Helicopter | | 8902 Helicopter | | | 8901 Helicopter | | | | 8900 Helicopter | | | | 8872 SandBagger Machine | | Cost Code Equipment | A |
| Medium lift | Model UH-A (Blackhawk) | medium lift | (Blackhawk) | engine | twin | Navajo Chieftn | PA-31-350, | 31 | Model Navajo PA- | EMS- Ambulance | Model Bell 407 | Twinranger | Long Range | Model Bell 206LT | Long Ranger | Model Bell 206L1 | Helicopter | Jet Range | Model Bell 206-L3 | as "Bell-206BR | same | (Military) is the | OH-58 KIOWA | as "Bell-206B3 | same | (Military) is the | OH-58 KIOWA | achine automatic | (Spider) | Specifications | 0 |
| Medium Lift | | Medium Lift | | | | | | | _ | | | | | | | | | | <u> </u> | | | | | | | w | | Motors | Vibration & Conveyor | Capacity or Size | D |
| 1890 | | 1890 | | 350 | | | | 310 | | 630 | | 450 | | | 650 | | 650 | | | 420 | | | | 420 | | | | 2-4.5 | | Ŧ | Е |
| Fire Fighter | | Fire Fighter Same as S70C hour | | | | | | | | | | Twinranger | | | Long Ranger | | Jet Range III-Helicopter | | | | | | | | | | | | | Notes | F |
| hour | | hour | | hour | | | | hour | | hour | | hour | | | hour | | hour | | | hour | | | | hour | | | | hour | | Unit | G |
| \$5,636.87 | | \$3,016.09 | | \$490.00 | | | | \$450.00 | | \$666.00 | | \$773.99 | | | \$593.67 | | \$583.05 | | | \$495.85 | | | | \$538.00 | | | | \$50.11 | | 2021 Rate | I |

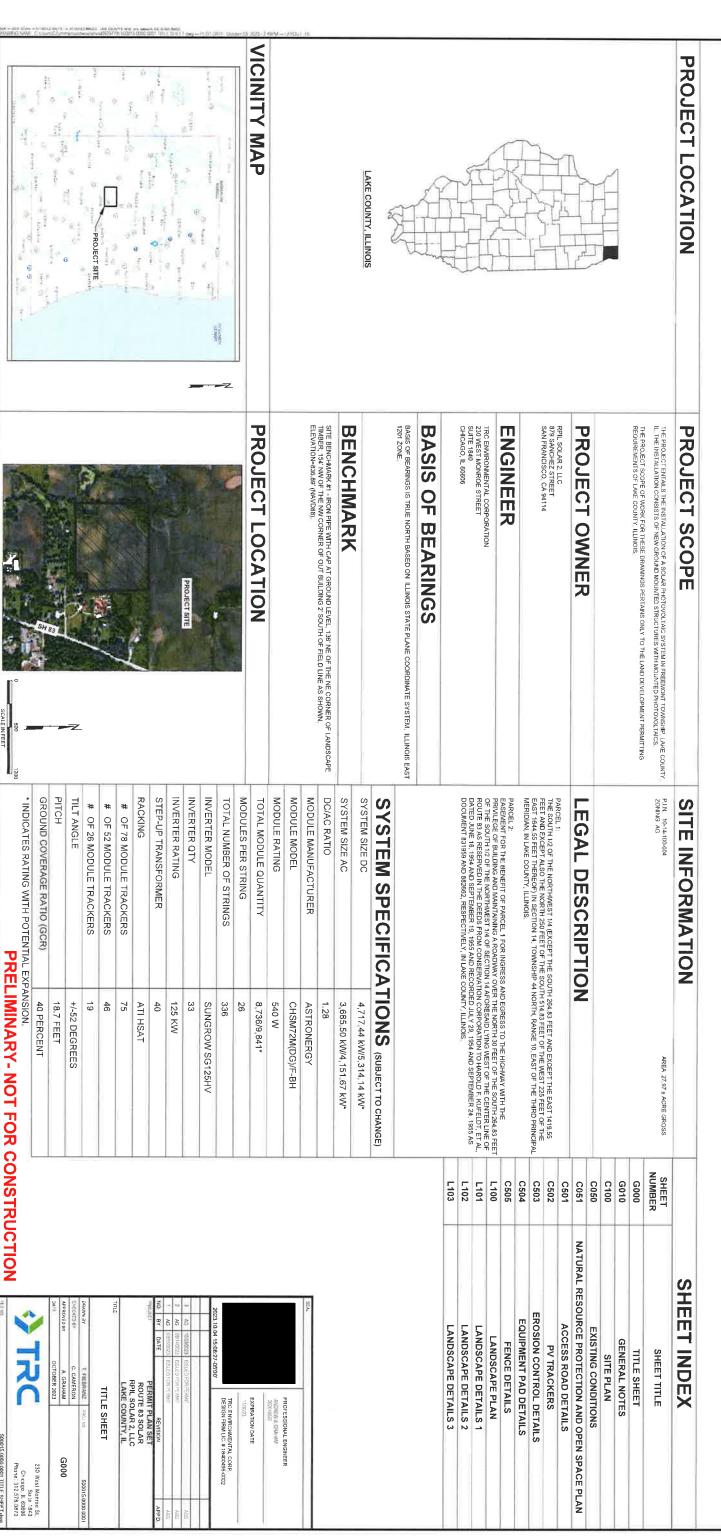
| B C D Specifications Capacity or Size HP Model CH-47 (Chinook) heavy lift 2850 Model Bell 407GX - 7 seater 7-Seaters 675 Model Bell 206Llight utility 7 seater 7-Seaters 7-Seaters 420 Model Bell 206L- Rodel Bell-206L4 7-Seaters 675 Model Bell-206L4 7-Seaters 575 Model Bell-206L4 7-Seaters 575 Rodel Bell-206L4 Rodel Bell-206L4 7-Seaters 575 Rodel Bell-206L4 Rodel Bell | \$6.53 | hour | 24 Volt | | 1000 Lbs | or Lift | 8945 Aerial Lift | | 536 |
|---|------------|------|---------------------------|------|------------------|--------------------------------|--------------------------------|---------|-----|
| B | | | | | | model 2008 | | | |
| R Specifications C D E F G Z021 In Model CH-47 (Chinook) heavy lift | \$15.05 | hour | | | | 3000 Lbs | 8944 Machine | | 535 |
| B C | | | Tensioning | | | | Wire Tensioning | | |
| B | | | Overhead Wire | | | | | | |
| B | \$20.44 | hour | | 30 | | Pulling Machine | 8943 Wire Puller Machine | | 534 |
| R Specifications C D E F G Specifications C Capacity or Size RP Notes F G (Chinook) heavy lift | | | Wire | | | Overhead Wire | | | |
| B | | | Overhead/Underground | | | | | | |
| Specifications | \$1,107.00 | hour | | | | Huey II | 8920 Helicopter | | 533 |
| Specifications | | | | | | Commercial Bell | | | |
| C | \$920.0 | hour | | 710 | | Utility Bell 429 | 8919 Helicopter | | 532 |
| B | \$1,396.0 | hour | | 1100 | | 11 turboshaft | 8918 Huey Helicopter | | 531 |
| B | | | Travel Range 253 Nautical | | | Lycoming T53-L- | | | |
| B | | | | | | Engine:1 × | | | |
| B C D E F G 2021 k Specifications Capacity or Size HP Notes Unit 2021 Model CH-47 (Chinook) heavy lift (Chinook) heavy lift 2850 Fire Fighter hour \$1: Model Bell -light utility 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour \$1: Model Bell 206L- -light utility 7-Seaters 420 Passenger Aircraft hour 51: Model Bell 206L- -light utility 7-Seaters 726 Passenger Aircraft hour 51: Model Bell 206L- -light utility 7-Seaters 726 Passenger Aircraft hour 51: Model Bell 206L- -light utility 7-Seaters 726 Passenger Aircraft hour 51: Blackhawk King Air B200XP61 7-Seaters 726 Hour 5: Blackhawk Caravan XP42 A 850 hour 5: King Air C90 XP135 A 550 hour 5: | \$463.0 | hour | | 290 | | Aerostar 601P | 8917 Aerostar Helicopter | | 530 |
| B C D E F G the Specifications Capacity or Size HP Notes Chinook heavy | \$1,416.0 | hour | | 550 | | XP135 A | 8916 Fixed wing | | 529 |
| B C D E F G Reciffications Capacity or Size HP Notes F G Rodel CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: Ilift Model Bell 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour 51: Model Bell 206L- 1ight utility 7 seater 7-Seaters 420 Passenger Aircraft hour 51: Model Bell 206L4 Fire Fighter hour 51: | | | | | | King Air C90 | | | |
| B C D E F G Specifications Capacity or Size HP Notes Unit 2021 Model CH-47 (Chinook) heavy lift Model Bell -light utility 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour 51: Model Bell 206Llight utility 7 seater 7-Seaters 420 Passenger Aircraft hour 81: Model Bell-206L4 Fire Fighter hour 51: Model Bell-206L4 669 hour 5: | \$864.0 | hour | | 850 | | Caravan XP42 A | 8915 Fixed wing | | 528 |
| B C D E F G Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: light utility 7 seater Heavy Lift 7-Seaters Air B200XP61 Blackhawk King Air B200XP61 Specifications C D E F F G Model Fire Fighter F G Model Sell 2021 Whodel CH-47 (Chinook) heavy Lift 2850 Fire Fighter hour \$2: light will be available of the company of the | | | | | | Blackhawk | | | |
| Recilications Capacity or Size HP Notes Unit 2021 Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: Ilight utility 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour 1916 | \$1,608.0 | hour | | 669 | | Air B200XP61 | 8914 Fixed wing | | 527 |
| B C D E F G Specifications Capacity or Size HP Notes F G Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: light utility 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour 51: Model Bell 206L-light utility 7 seater 7-Seaters 420 Passenger Aircraft hour hour hour hour 526 | | | | | | Blackhawk King | | | |
| Specifications Capacity or Size RP Notes Unit 2021 Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: Model Bell 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour 7 seater 7-Seaters 420 Passenger Aircraft hour | \$570.0 | hour | | 726 | | Model Bell-206L4 | 8913 Helicopter | | 526 |
| Specifications Capacity or Size KP Notes Unit 2021 Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: Model Bell 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour Model Bell 206L- | \$616.4 | hour | | 420 | 7-Seaters | 7 seater | 8912 Helicopter- light utility | | 525 |
| Specifications Capacity or Size RP Notes Unit 2021 Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour \$1: Model Bell 407GX - 7 seater 7-Seaters 675 Passenger Aircraft hour | | | | | | Modle Bell 206L- | | | |
| B C D E F G Specifications Capacity or Size AP Notes Unit 20 Model CH-47 (Chinook) heavy lift 2850 Fire Fighter hour | \$657.0 | hour | Я | 675 | 7-Seaters | Model Bell 407GX - 7 seater | 8911 Helicopter- light utility | | 524 |
| Specifications Capacity or Size HP Notes Unit 2021 F Model CH-47 (Chinook) heavy | \$11,009.5 | hour | | 2850 | Heavy Lift | lift | 8910 Helicopter | | 523 |
| Spacifications Capacity or Size HP Notes Unit 2021 F Model CH-47 | | | | | | (Chinook) heavy | | | |
| Specifications Capacity or Size HP Notes F G Unit 2021 F | | | | | | Model CH-47 | | | |
| | 2021 Rate | Unit | Notes | HP | Capacity or Size | Specifications | ode Equipment | Cast Co | _7 |
| | I | G | П | ш | D | C | В | A | |

PERMIT PLAN SET

ROUTE 83 SOLAR

29650 N. ROUTE 83 FREEMONT TOWNSHIP, MUNDELEIN, IL

DATE: OCTOBER 2023



NOTES

THIS PLAN WAS PRODUCED UTILIZING MULTIPLE RESOURCES:

- AERIAL IMAGERY FROM ESRI

itep 1

- I TOPOGRAPHIC DATA WITHIN THE DEVELOPMENT AREA BASED ON GROUND SURVEY CONDUCTED BY WY GROUP AND DATED OCTOBER 21, 2022. TOPOGRAPHIC DATA OLTED OF THE DEVELOPMENT AREA IS BASED ON USG. 3 METER DEM.

 BASED ON USG. 3 METER DEM.

 PROPERTY LINES AND EASEMARTS ROOM ALTA SURVEY DATED OCTOBER 21, 2022, AND CONDUCTED BY WY GROUP (3675 PRATIAM AVENUE | HOHMAND ESTATES, ILD 60392 T. 224/235 6333).

 WETLANDS DEFLINEATED BY SWCA ENVIRONMENTAL CONSULTANTS IN OCTOBER 2022.
- DRAIN TILE SURVEY PROVIDED BY HUDDLESTON MCBRIDE LAND DRAINAGE CO (9514 FOWLER ROAD ROCHELLE, IL 61068 T: 815 562 6007)
- WOODLANDS BY TRC, SEPTEMBER 13, 2022

2. THE SITE IS LISTED AS BEING IN A ZONE "X", DESCRIBED AS "AREA OF MINIMAL FLOODING" PER F.E.M. A. PANEL NO. 1709700141L DATED FEBRUARY 17, 2016.

3. THE LOCATIONS OF PROPOSED DAPPROVEMENTS, INCLIDING BUT INOT LINITED TO FERICING, SOLAR ARBAY BACKING, INVERTEX PRANSFORMER PADS, OVERHEAD POLICES, AND DIVISE. FETC., SHOWN HAR EAPROMMANTE AND ARE SUBJECT TO MODIFICATION OUT TO SITE CONDITIONS, ADDITIONAL PERMITTING REQUIREMENTS, EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS.

4. PROJECT, AREA, INCLUDING CONSTRUCTION STANION AND REACH AND CRUMENTS STRUCTION STANION AND REACH AND CRUMENTS STRUCTION STANION AND REACH AND TERMS TO THE BEST EXTENT POSSIBLE CONSTRUCTION WHILE BE TEMPORABILY STANIUTED WITH GRAVEL SULFCONDITIONS AND EQUIPMENT LOADS WILL DETERMINE FINAL CONTINUES. AND PROVIDE THE MINIMUM STRUCKS NO TED FROM EXTERNAL PROPERTY BOUNDARIES AND PROVIDE THE MINIMUM STRUCKS NO TED FROM EXTERNAL PROPERTY BOUNDARIES AND ESCIPINNING CONSTRUCTION OR EXCHANION OF ANY EXPENSION OF THE CONTRACTORS SHALL CONTINACTORS AND EXCHANING CONSTRUCTION OR EXCHANION OF ANY EXPENSION OF THE CONTRACTORS SHALL CONTINACTORS AND EXCHANING CONSTRUCTION OR EXCHANGED ADDITIONALLY, CONTRACTORS SHALL CONTINACTORS AND TO BEGINNING CONSTRUCTION OR EXCHANGED ADDITIONALLY, CONTRACTORS SHALL CONTINACTORS AND TO ANY EXCHANGE AND PROVIDE THEIR OWN LOCATOR SERVICES.

Step 3

tep 4

| Equals "Base Site Area" | Subtract land used or proposed for residential uses whenever a mix of nonresidential and residential uses are proposed. (In the case of the site capacity calculation for the proposed residential use, subtract the land proposed for nonresidential use). | Subtract land that was reserved for resource purposes in a previously approved subdivision plat (e.g., floodplain or recreation area) | B. A separate parcel that does not have access to a road or is not of sufficient size to support independent development and that does not abut, adjoin, or share common boundaries with the rest of the development or is rendered physically inaccessible to the main parcel by the presence of a railroad, existing land use, major stream, or other railroad, existing land use, major stream, or other integrated use of the two parcels is not physically possible, thus rendering the land unavailable for development purposes. | A. A separate pacred that has access to a road and is of sufficient size to support independent development but that does not abut, adjoin, or share common boundaries with the rest of the development or its rendered physically naccessible to the main parcel by the presence of a railroad, existing land use, major stream, or other natural or man-made barrier, such that common or man-made barrier, such that common or hotegraded use of the two parcels is not physically possible (Site apadry for these parcels shall be calculated separately.) | Subtract land that is not contiguous | Subtract land area of existing roads and land within existing utility and drainage easements and existing access easements. | Determine gross area of site based on an on-site survey. | Calculation |
|-------------------------|---|---|---|--|--------------------------------------|---|--|-------------------------------|
| | osed for residential uses, dential and residential dential and residential case of the site capacity of residential use, or nonresidential use, | erved for resource oproved subdivision plat on area) | A separate parcel that does not have access to a dor is not of sufficient size to support dor is not of sufficient size to support on, or share common boundaries with the rest the development or is rendered physically ccessible to the main parcel by the presence of a road, existing land use, major stream, or other usued or man-made barder, such that common or signated use of the two parcels is not physically stible, thus rendering the land unavailable for relopment purposes. | A separate parcel that has access to a road and f sufficient size to support independent elopment but that does not abut, aldin, or ere common boundaries with the rest of the elopment or is rendered physically inaccessible he main parcel by the presence of a railroad, ting land use, major stream, or other natural or n-made barrier, such that common or signated use of the two parcels is not physically sible. (Site capacity for these parcels shall be unated separately.) | ontiguous. | ng roads and land within e easements and existing | te based on an on-site | Calculation of Base Site Area |
| 27,31 | A) | Ŷ | 9 | K | Ĭ. | 0.66 | 27,97 | |
| | | | | | | | | |
| | | | Step 5 | Step 4 | Step 3 | Step 2 | Step 1 | |
| | | Equals "Net S | Subtract linea § 151.071(G)) | Subtract nonli 5 151.071(E)) | Subtract wetta § 151.071(C)) | Subtract regul prone areas w drainage area | Determine bas § 151.070(D)[: | Calcula |

| | | 4 0000 | C certs | i i | Step 1 | |
|--|-----------------------------|-----------------------------|--|--------|---|---------------------------------|
| Total Post-Development Floor Area (AC) | Equals "Maximum Floor Area" | area factor (see § 151,125) | Multiply by zoning district maximum floo | above) | Take Net Site Area (see subsection (D)(2) | Calculation of Maximum Floor Ar |

0.00 0,1 23,68

surface ratio (ISR) (see § 151-125)
Equals "Maximum Impervious Surface"
Total Post-Development Impervious Area (AC)

Multiply by zoning district maximum impervious.

Take Net Site Area (see subsection (D)(2))

23,

Calculation of Maximum Impervious Area

- tufatory floodglains Jand flood-with 100+ acres of tributary. ase site area (see ation of Net Site Area 27,31
- inear water bodies (see ands (1/4 Ac +) [see 3.63
- Site Area" 23.68

- De Acqualled dato of crusades stoble metrica (dot caladator et a luncheam with feiter acque double accordance with the lunds sharm wantum, do chief a-proposate lasta, suries (a), as proceditor the testocatern others ether and in installed at any point ywiter traffic, will be entering or laying a constituction site schwart or so in each big a installed in any point ywiter traffic, will be entering or laying a constituction site schwart or so in each big and in installed in any constitution of the state o
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUMOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN

- ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION STOCKPILES SHALL AREAS OR WETLANDS AND DESIGNATED BUFFERS
- SLOYES STEEPER THAN 3H;3V SITALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER

- IN ERWALTERING EXPORTS ARE USED, ANDIQNING PROPERTIES AND DISCURAGE COCKINONS USELL BEFORE CETED FROM ERECIDE AND SUDMENTATION DISCURRENGESSIMULE BEGUNDED INFOCUEN AN APPROPRIOR ADMICE POLYRED DISCURRENGESTED OR AS ANDIAS MESSURE AS APPROVED BY THE ENFORCEMENT OFFICE'S DEWALFRING SYSTEMS SHOULD BE INSTITUTED DISCURRENGE OPERATIONAL PRINCES IN ENFORCEMENT OF SECTION OF APPROVED REPRESENTATIVE, MAST UP TRESENT AT THE COMMERCEMENT OF DEVIATERING CITIVITIES.
- IE INSTALLED SOIL EROSION AND SEDIMENT CONTROL NIEASURES DO NOT MINIMALE SEDIMENT LEAVING THE ENFORCEMENT OFFICER ADDITIONAL NIEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER
- M ALL TEMPORARY AND PERMANENT EKOSION CONTROL MEASURES MUST DE MAINTAINED AND REPAIKED AS NEEDED. THE PROPERTY OWNER STIALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR
- O THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, ON OTHER GOVERNING AGENCY

- DISTURBED AREAS SHALL DE STABILIZED WITH TEMPORARY OK PERMANERIT MEASURES WITHIN SCVEN [7] CALENDAR DAYS FOLLOWI THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE

- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETEKTION BASIN SIDE SLOPES BETWEEN THE HORMAL WATER LEVEL AND HIGH WATER LEVEL

- I ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTEN FINAL SITE STABILLA OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED

SANDARD SOIL EROSION AND SEDMENT CONTROL NOTES

CONTROL MEASURES SHALL MEET THE MINIMAN STANDARDS AND SPECIFICATIONS OF THE ILLINGIS UPBAN MANUAL

(WWW.AISWCD.ORGILM) LYLESS STATED OTHERWISE

OFISITE PROPERTY SHALL BE PROTECTED FROMEROSION AND SEDMENTATION, VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENTEROSION. STABLIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION AS NECESSARY.

NETTHE SEED INSTRUBES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INTIAL
TEMPORARY SOIL STABILIZATION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBENCE UNIT. FINAL STABILIZATION AS ACHEVED, SOLL STRUILIZATION AS PRESENT ON THE USE OF TEMPORARY OR PERMANERT MEASURES.

- FOR THOSE DEVILOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A NINIMUM:
- UPON COMPRETION OF SCOMENY AND RUNGS CONTROL MEASURES (INCLUDING PERMITER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GARDING
 AFTLE PERFEY SEEN (2) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF MAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C SUI DISTURBARCE SHALL BE CONDUCTED IN SUCI IA MANNUTA SETO MINIMIZE EROSIONI E STRIPPING, CLEARING, CRADING, OR
 LANDSCAPING ARE TO DE DONE IN PINASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL FROSION AND SEDIMENT CONTROL
 MUSCASIES.

- STABILIZATION OF DETUNDED AREAS SHALL BE INTINCEDIMENTED. WHERE THE ANY CLEARING ORGANIAS
 EXCHANNING OR OTHER EARTH INSTRUMENDE ACTION TO WERE PERMANENT (CARRETO AN HAT PORTION OF THE
 EXPELOPMENT SITE. OR TEMPORAMIC CREATED ON HAT PORTION OF THE DEVELOPMENT SITE AND WILL NOT TREAME FOR
 A PERDOD EXCEESING A CALENDAR DAY, STABILIZATION OF DESILVERS, DAREAS SHALL BE HIMTED WHITHIN TO WHITHIN TO WARRING
 ANY OF PREMANENT OR TEMPORARY CRESS TION OF EARTH LOSS DEBUNES, DAREAS SHALL BE HIMTED WHITHIN TO WARRING
 ANY OF PREMANENT OR TEMPORARY CRESS TION OF EARTH LOSS TO BE THE THAT OF THAT STORAWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM ERUSION AND SEDIMENTATION DOWNSLIDE THE MEDICATE WHEN THE MOST AND SEDIMENTATION THAT REDUCES SEXIMENT LOADING, WHILE ALLOWING RAUGHT OF UNITER THE TSHALL BE REQUIRED FOR ALL STORAM SEPERS CHECK DANSL OR NA BLAUMALEN CONTROL MASSINE SHALL BE BHALL BE BHALL BE BHALL BE BHALL BE BHALL BE BHALL BE SHADES.
- EFRECING CONTROL MEASURES SHALL BETTLEED TO MININEZ THE DISCARGE OF TO LITTARIS FROM THE BENEZIONBERT SITE. A MANIMAM CONTROL MEASURES SHALL BE MEDIENTED IN CREETE TO TO SHOW THE LAWSH WATER AND CHARLESTEED BECHARGE OF POLLUTIANTS FROM EDUPMENT AND VEHICLE WASHING, WHELL WASHINGTER AND CHER WASHINGTER CHARLES OF STRUCKS ANTERIALS BRAILDING PRODUCTS COMBINGTON WATER TRANS LANGUAGE THE EXPOSURE OF BALICING ANTERIALS BRAILDING PRODUCTS COMBINGTON WATER TRANS LANGUAGE THE EXPOSURE OF BALICING ANTERIALS BRAILDING FROM THE TO PRECIPITATION AND TO STORMWATER WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.
- APEQUATE RECEPTACES SHALL BE REPONDED FOR THE DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBIS GENERAL PRODUMENT THE DEFLOCAMENT PROCESS. THE PROFILE WIT SHALL NOT PLANE OR REPHAIT THE DUMPHING DEPOSITING DEPOSING, THROWING DISCARDING OR LEWING OF CONSTRUCTION MATERIAL DEBIS UPON ON HATO ANY MATERIAL DEBIS STE. CHAMEL ON HAMO, THE DEPICLOPHENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBIS.

- STANDARD DRAINT THE NOTES

 STANDARD DRAINT THE NOTES

 THER GESTHERANCE, UNLESS THE DEPLEJORENT PLANS STEPH ARRANCEMENT OF THE DRAIN THES.

 THER GESTHERANCE, UNLESS THE DEPLEJORENT PLANS STEPH ARRANCEMENT OF THE DRAIN THES.

 ALL ARANCHEMED DRAIN THES WITHIN DESTURED AREAS SHALL BE REVOVED IN THEIR SHIRETY.

 ALL ARANCHEMED THE OSTURED AND COMPECTED TO THE STORMANTER MANAGEMENT SYSTEM FOR THE DEVELOPMENT SITE OF NIEGED THE OAD COMPECTED TO THE STORMANTER MANAGEMENT SYSTEM FOR THE DEVELOPMENT SITE THE SIZE OF THE REPLACED OR BYTASSED DRAINTLE SHALL BE EQUIVALENT TO THE EXISTING DRAIN THE STANDARD THE THE SIZE OF THE REPLACED OR BYTASSED DRAINTLE SHALL BE EQUIVALENT TO THE EXISTING DRAIN THE

PLANTING NOTES:

- SEED ALL DISTURBED AREAS INCLUDING LADDOWN AREAS, USING THE SEED MIX SHOWN IN THE PRELIMINARY NATIVE SEED MIX TABLE, OR APPROVED EQUAL.

 MIX TABLE, OR APPROVED EQUAL.

 ALL STOCCHEL RAKES SHALL BE LOCATED MITHAIL MIT OF WORK IN IR AND STABLED TO PRESENT REGISION.

 ALL STOCCHEL RAKES SHALL BE LOCATED MITHAIL MIT OF WORK IN IR AND STABLED TO PRESENT REGISION.

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 ALL DEBASEMENT IN DUMINGS OFF PRESENTATION RESPONDED TO OFF-STEE.

 ALL DEBASEMENT RESPONDED TO OFF-STEE OFF-STEEL CHAIRDINGS OFF-STEEL
- N SHALL BE USED NOT TO EXTEND MULCH LAYER ABOVE SOIL LEVEL AT TRUNKS/STEMS OF INSTALLED PLANT
- CAUTION SHALL BE USED NOT TO EXTEND MUICH LAYER ABOVE SOIL LEVEL AT TRIMKS/STEWS OF INSTALED PLANT MATERIA. ALL PLANT MATERIALS SHALL BE CURRANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL CLEAN UP AND REMOVE ANY DEBNIS FROM THE SITE CAUSED BY THE LANDSCAPE. CONTRACTOR.

ICE OF MAJOR CONSTRUCTION ACTIVITIES:

- INSTALL DERINETER SEGS MEASURES, SUCHAS SILTEROS, AND A STABLIZED CONSTRUCTIONE INTRANCE OS TUBBLIZED WITHEN 7 DAYS WHIT TRANCE OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED WILL BE STABILIZED WITHEN 7 DAYS WHIT TRANCORRY OF PERMANENT MEASURES. MANTECHNICE FOR SEGS MEASURES MUST OCCUR RESULTED WITH THE PROPERTY OF SHARED OR GENETIER VANDEL EVENT.

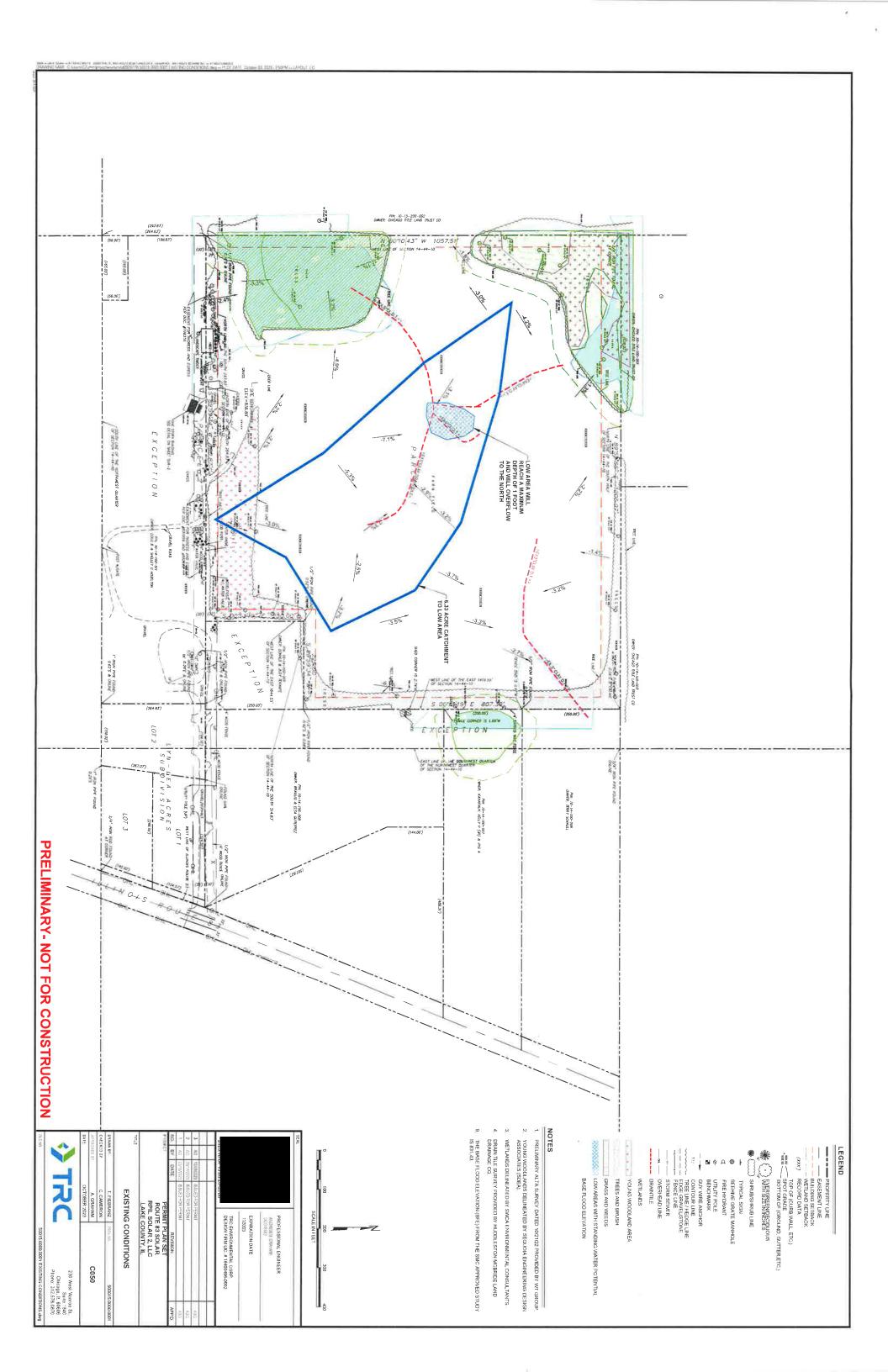
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- PERMIT PLAN SET ROUTE 83 SOLAR RPIL SOLAR 2, LLC LAKE COUNTY, IL GENERAL NOTES PROFESSIONAL ENGINEER ANDREW IJ GRAHAM 08/20/4868/2 EXPIRATION DATE TRC ENVIRONMENTAL CORP. DESIGN FIRM LIC # 18400496-0002 G010

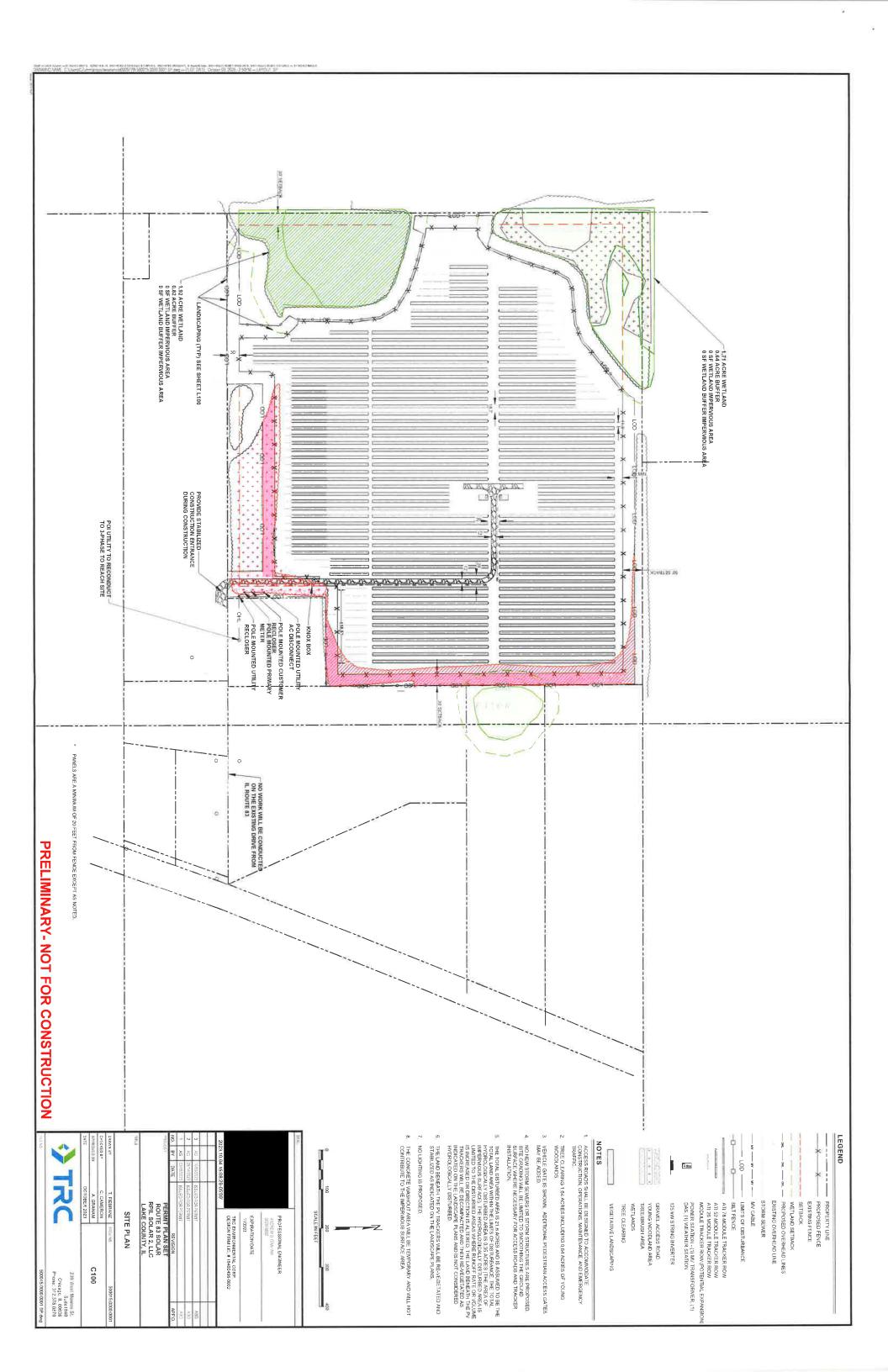
PRELIMINARY- NOT FOR CONSTRUCTION

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230 West Monroe St.
Suite 630
Chicago, IL 60606
Phone: 312.578.0870



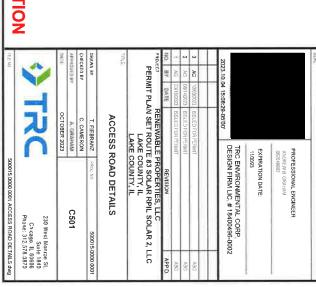


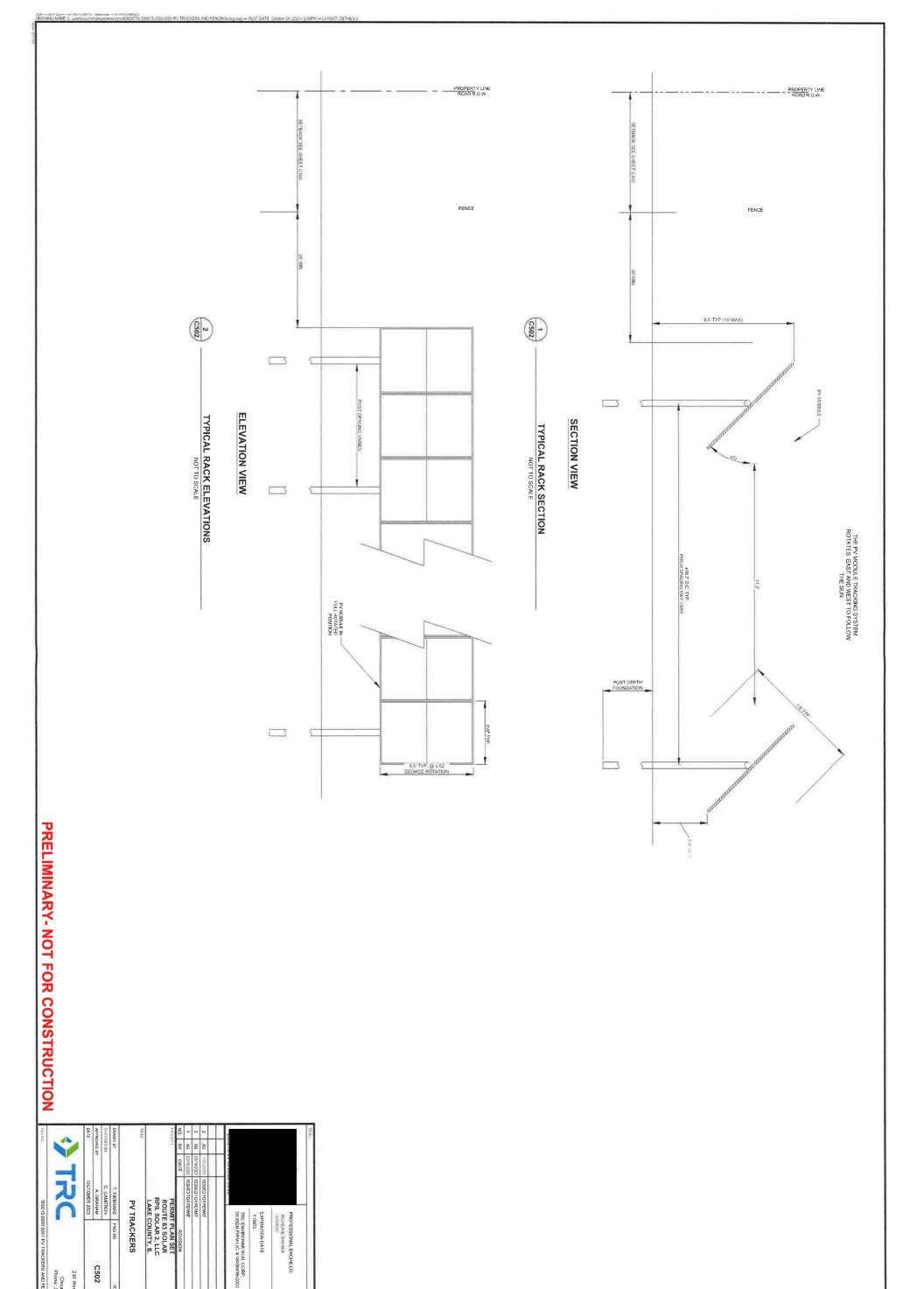


TYPICAL ACCESS DRIVE SECTION
NOT TO SCALE

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PRELIMINARY- NOT FOR CONSTRUCTION

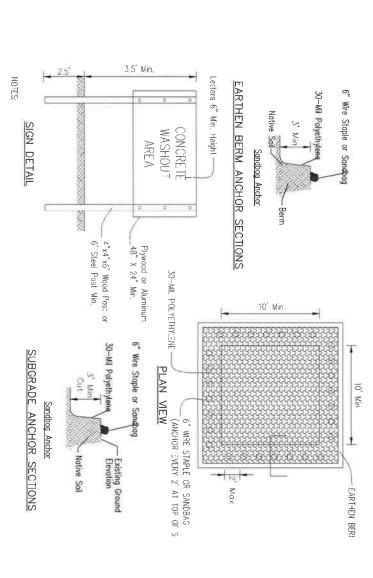




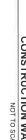
230 West Monroe St. Suite 1840 Chicago, IL 60606 Phone: 312 578 0870

C502

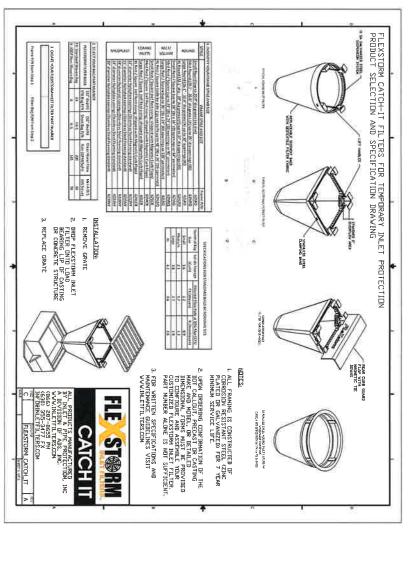
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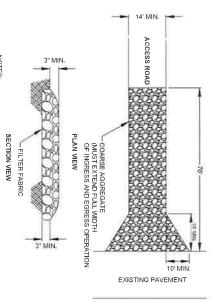


- Maintaining temporary concrete washout facilities shall include removing and disposing of nardend concrete ana/or sturry and returning the facilities to a functional condition.
- Facility shall be aleaned or reconstructed in a new area once washout becomes two—thirds full.









NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK

2. ROCK OR RECLAMMED CONGRETE SHALL MEET ONE OF THE PLACING OF ROCK

3. ROCK OR RECLAMMED CONGRETE SHALL MEET ONE OF THE PLACING OF COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS 3 OOMPACTION.

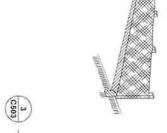
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS

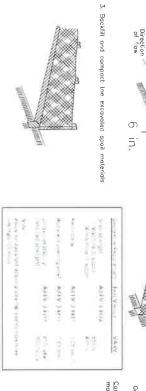
SPECIFICATIONS.
PROVIDE POSITIVE DRAINAGE TO SEDIMENT TRAPPING DEVICE.

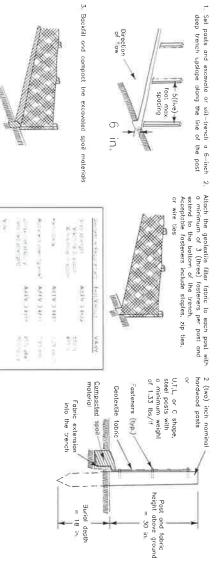












PROFESSIONAL ENGINEER
ANDREW 3 GRAHAM
062048682

EXPIRATION DATE TRC ENVIRONMENTAL CORP DESIGN FIRM LIC # 18400496-

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| NOT TO SCALE | SILT FENCE |
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| П | DETAIL |

PRELIMINARY- NOT FOR CONSTRUCTION



230 West Monroe SL Suite 1840 Chicago IL 60606 Phone 312 576 0870

EROSION CONTROL DETAILS

PERMIT PLAN SET ROUTE 83 SOLAR RPIL SOLAR 2, LLC LAKE COUNTY, ILLINOIS

C503

FLEXSTORM INLET DETAIL

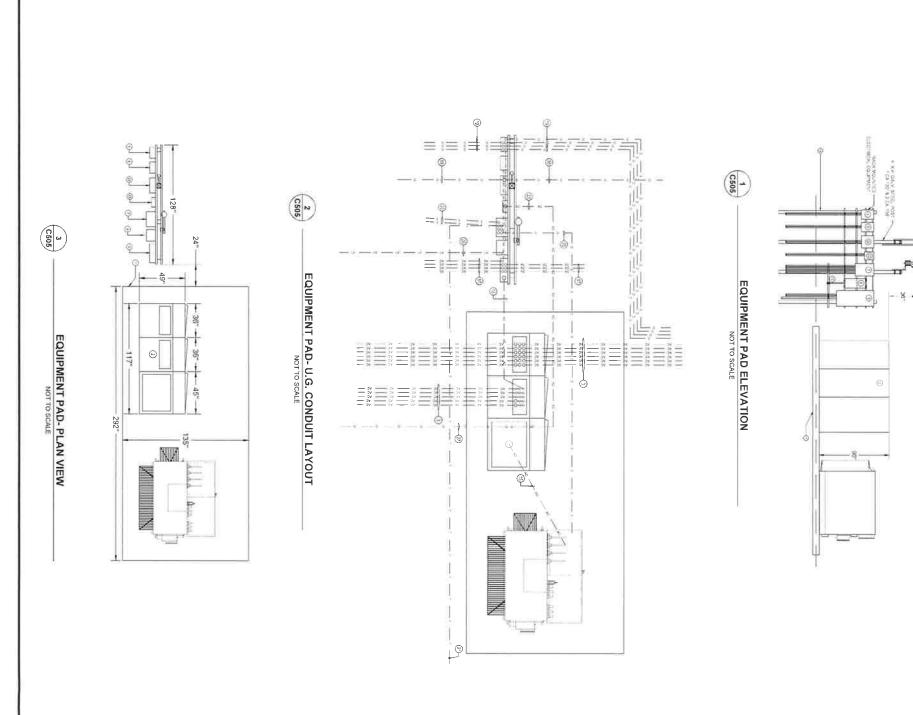


DIAGRAM NOTES

DC 100 ×

u G DC

U.G. SIGNAL

UG MV U G 460V

U G 120V

U.G. DATA

UNDER GROUND ABOVE GROUND LEGEND

- CONCRETE EQUIPMENT PAD. SEE STRUCTURAL SHEET FOR CONSTRUCTION REQUIREMENTS 4000A488V "AC SM8D"
- GALVANIZED STEEL SUPPORT RACK WITH STRUT MOUNTED ELECTRIC EQUIPMENT U.G. 480 VAC FEEDERS - INVERTERS
- ATI 4X CONTROLLER
- ATI SITE DATA CONTROLLER
- DAS BOX
- MINI POWER CENTER 120/240V PNL-P2
- 277/480V SITE LOAD PANEL P1
- WP GFI CONVENIENCE OUTLET
- WEATHER STATION MOUNTED ON EQUIPMENT RACK SEE SHEET E312 DETAIL 1.
 1-5/8* X 1-5/8*GALV STRUT (TYP.) ATI WIND, GPS & GHI SENSOR MOUNTED TO EQUIPMENT RACK
- 4" X 4" GALVANIZED STEEL POST (TYP.)
- U.G. 480 VAC FEEDER PANEL P1 U.G. 480 VAC FEEDERS TO 4000A "AC SWBD"
- U.G. 480 VAC FEEDER TRACKER MOTOR
- U.G. DATA INVERTERS
 - U.G. ATI TRACKER CONTROLLER CABLE
 - U.G. ELECTRONIC SIGNAL CABLE FOR IRR AND PNL TEMP SENSORS 2.X 1 PVC CONDUITS, INSTALL PER EQUIPMENT SUPPLIERS SHOP DIRAWNINGS.
 U.G. DATA CABLE TO INTERNET SERVICE PROVIDER WHEN REQUIRED BY MONITORING SYSTEMS SUPPLIER, FIELD VERIFY POINT OF CONNECTION.
 - U.G. CURRENT AND VOLTAGE SIGNALS TO REMOTE METER WHEN REQUIRED BY MONITORING SYSTEMS PROVIDER. FIELD VERIFY POINT OF CONNECTION.
 - REMOTE METER ENCLOSURE (ALSO ENERGY)
 - WEATHER STATION ENCLOSURE (ALSO ENERGY)
 - DATA LINE TO TRANSFORMER
- U.G. 120V AC FEEDER TO NCEMC COMM. CABINET
- U.G. FIBER LINE TO NCEMC COMM. CABINET

NOTES

1. THE EQUIPMENT SELECTION AND LAYOUT WAS PROVIDED BY RENEWABLE PROPERTIES ILC AND IS PROVIDED HERE FOR REFERENCE PURPOSES.

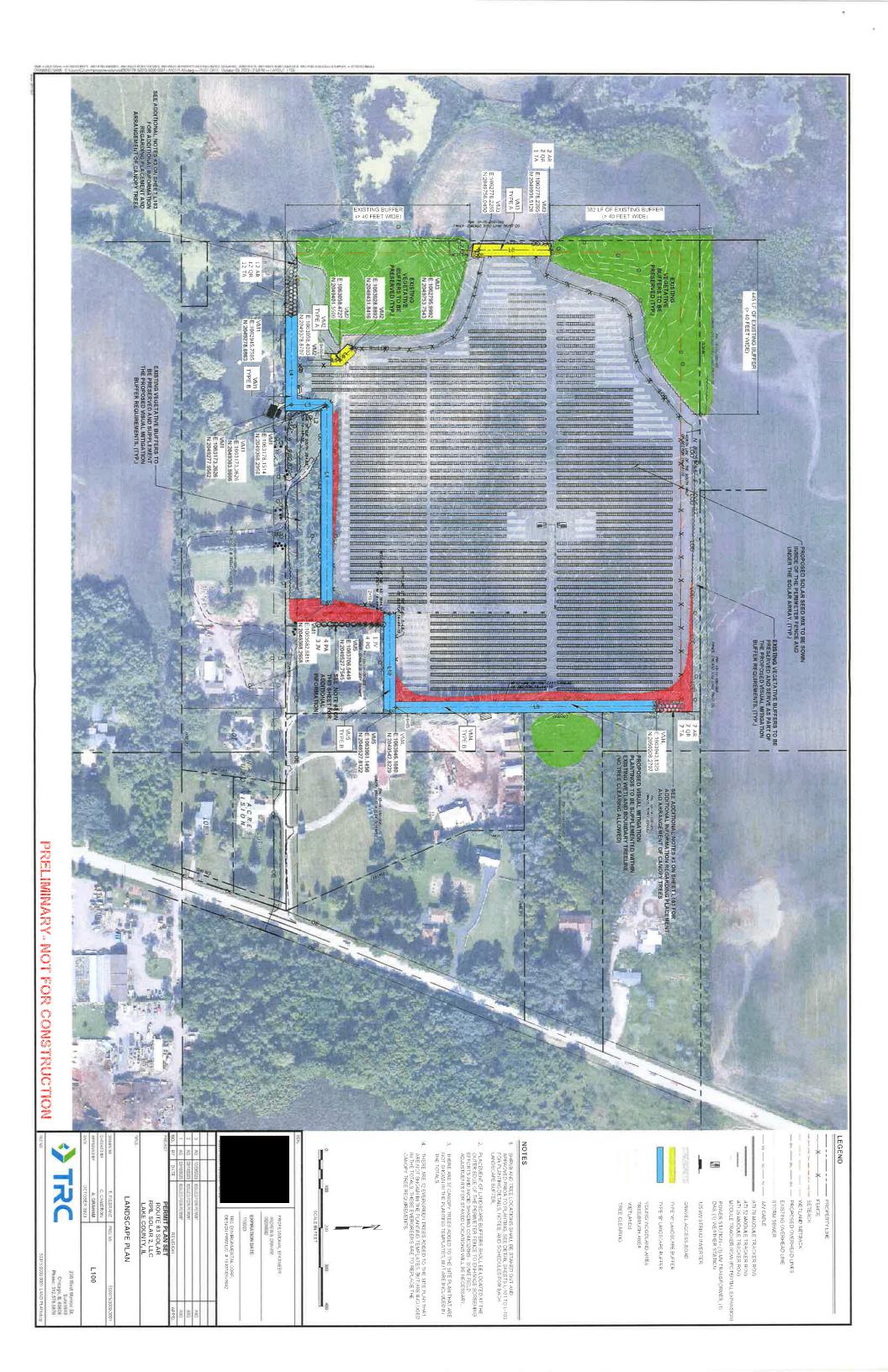
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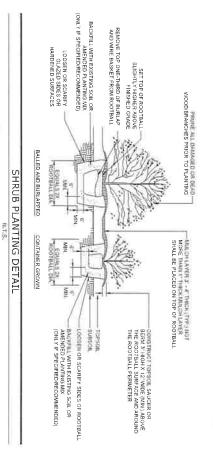
230 West Morrae St, Suita 1840 Chicago IL 60806 Phone 312 578 0870



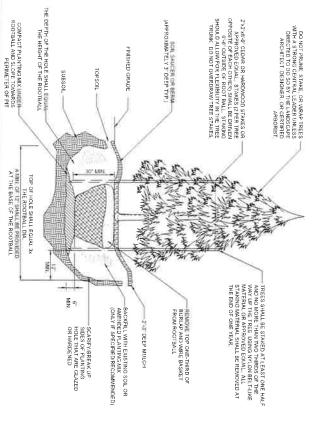
GENERAL LANDSCAPE AND SEEDING NOTES

- THE LANDSCAPE PLAN AND DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE LAYOUT PLAN. GRADING PLAN AND/OR UTILITIES PLAN FOR ALL OTHER INFORMATION.
- THE CONTRACTOR SHALL MONITOR AND GUARANTEE THAT ALL PLANTS, TREES AND SHRUBS SHALL BE HEALTHY AND FREE OFDISEASE FOR A PERIOD OF (1) ONE YEAR AFTER SUBSTANTIAL COMPLETION AND OCCUPTANCE BY THE OWNER CONTRACTORS SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTORS SHALL REPLACE HIND ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MANITERVACE AND SHAPLANTS AT COURT IN THE SPRING AND THE FALL TO DETERMINE THE RESERVE OF HONASIVE SPECIES ADOLLADAY MANASIVE SPECIES BE COUNTIED WITH THE PLANTS AND SHAPLAND AND THE PROJECT SITE, THE INVASIVE SPECIES SHALL BE REMOVED ACCORDING TO METHODS MOST LIKELY TO BE EFFECTIVE IN CONTROLLING THAT SPECIES AND SHAPLAND AND THE PROJECT SITE, THE INVASIVE SPECIES SHALL BE REMOVED ACCORDING TO METHODS MOST LIKELY TO BE EFFECTIVE IN CONTROLLING THAT SPECIES AND SUPPLEMENTING ITS REPLACEMENT WITH APPROPRIATE VEGETATION AND SEED MIX DESTRIBED (AND APPROVED) OF THIS PLAN AUXION AND APPROVED COULT WITH THE PLAN AUXION AND APPROVED DUTY. AND THE PLAN AUXION AND APPROVED OF THE STRAP OUTS AND THE PLAN AUXION AND APPROVED OF THE STRAP OUTS AND THE PLAN AUXION AND APPROVED OF THE PLANT AND APPROVED OF THE STRAP OUTS APPROVED OF THE PLANT AND APPROVED OF THE STRAP OUTS APPROVED OF THE PLANT AND APPROVED OUTS APPROVED
- THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, APPROVED SEEDING MIX, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWNINGS), AND LISTED IN THE PLANT SCHEDULE(S), ANDICKES EDING THALE(S), IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE ADVION SETEING THALE MOIT THOSE AND THOSE RECURRED BY THE DRAWNINGS, THE LARGER SHALL APPLY, ALL PLANTS SHALL BE ACCLIMATED BY THE DISPLY MURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL, HAS BEEN GROWNFOR, A MINIMUM OF C2, TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER, GERTIFIED LANDUSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT.
- THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO SLOPE. VEGETATION, AND SITE FACTORS SUCH AS THE LOCATION OF ROCK OUTCROPS, PRICE TO PLANTING THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS. THE OWNER CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL APPROVE THE FIELD LOCATIONS OR ADJUSTMENTS OF THE PLANT MATERIAL.
- ALL SHRUB MASSING AREAS SHALL BE MULCHED TO A DEPTH OF 2" WITH SHREDDED HARDWOOD BARK MULCH,
- NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR OF LANDSCAPE CONTRACTOR, STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR OR LANDSCAPE ARCHITECT STAKINGN OF THE INSTALLED HERE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED, ALL TREES SHALL BE STAKED OR GUYED AS PER THE DETAIL SEE LANDSCAPING PLANTS) FOR PLANTING DETAILS
- COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE LAYOUT, GRADING ANDIOR UTILITY PLANS FOR STORM, SANTARY, GAS, ELECTRIC. TELEPHONE AND WATER UNES, UTILITY, LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR QUERHADA UTILITIES. THE CONTRACTOR S RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
- ANDSCAPE PLANTING PITS MUST BE FREE DRAINING, PANEMENT, COMPACTED SUBGRADE, AND BLASTED ROCK, SHALL BE REMOVED TO A DEPTH OF 2 OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS, REPLACE SOIL, WITH MODERATELY COMPACTED, LOAM OR SANDY, LOAM REPER AND ANY OTHER MATERIAL, HARMFUL TO PLANT GROWTH AND DEVELORMENT, PLANTING MISTALLATION SHALL BE AS DETAILED AND CONTAIN PLANTING MIX AS SPECIFIED UNLESS RECOMMENDED OTHERWASE BY SOIL ANALYSIS.

- TREES AND SHRUBS TREES AND SHRUBS SHALL BE WASSERY GROWN UNLESS OTHERWISE NOTED AND HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THESE MAID SHRUBS TREES AND SHRUBS SHALL BE RYDOLAL OF THERE SPECIES OR WARRETY MITH NORMAL HABIT OF GROWNTH THEY SHALL BE SOUND HEALTHY VIGOROUS, WELL-BRYNCHED AND DENSELY FOLIATED WHEN INLEAF, THEY SHALL BE FREE OF DISSASE, INSECT PERIS EGGS OF MERININESS THEY WAS INCLEDED FROOT SYSTEMS, ALL TREES SHALL HAVE STRAIGHT SINGLE TRUNKS WITH THER MAIN LEADER INTACT WAS INSECTED STRAIGHT STRAIGHT SHALL OF THE MAIN LEADER HAVE STRAIGHT SINGLE TRUNKS WITH THER MAIN LEADER HAVE STRAIGHT SHALL OF THE OWNER, CENTRIED LANDSCAPE INSECTOR OF A MANDSCAPE ACCHITES THALL OF THE SUBSTITUTIONS UPON WRITTEN APPROVAL. THEIR SIZES SHALL DONFORM TO THE MEASUREMENT SPECIFIED ON HED DRAWINGS MAY BE USED IF APPROVED IN THE USE OF SUCH PLANTS SHALL ONT INCREASES THE CONTRACT PRICE. ALL TREES AND SPECIFIED ON HED DRAWINGS WAS BE USED TO APPROVED THE USE OF SUCH PLANTS SHALL ONT INCREASES THE CONTRACT PRICE. ALL TREES AND SHRUBS SHALL BE MULCHED IN ACCORDANCE MITH THE RESPECTIVE PLANTING DETAILS, PROVIDED IN THE LANDSCAPING PLAN
- ALL PRUNING SHALL CONFORM TO THE TREE CARE INDUSTRY ASSOCIATION (TCIA) ANSI AJ00 (PART 1) 2017 PRUNING STANDARDS. PRUNING STANDARDS. PRUNING STANDARDS. SHALL RECOGNAZE BUT ARE NOT LIMITED TO THE FOLLOWING PRUNING OBJECTIVES. MANAGE RISK, MANAGE HEALTH, DEVELOP STRUCTURE, PROVIDE CLERANDER, MANAGE MANAGE RISK BY ARE INFROVALED BY STANDARD STRUCTURE. SHALL INFROVE BEFORDUCTION OF FRUIT IF LOWERS OR O THER PRODUCTS. ANDOR MANAGE WILDIEF HABITAT. DEVELOPING STRUCTURE SHALL INFROVE BEAMON AND TRUNK ARCHITECTURE. PROMOTE OR SUBGORDINATE CERTAIN LADERS STEMS. OR REAMONED EDISHABLE BRANCH SPACING PROMOTE OR DISCOLARAGE GROWNIN IN A PARTICULAR DIRECTION. DIRECTIONAL PRUNING), MINMIZE FUTURE INTERFERENCE WITH TRAFFIC LINES OF SIGHT INFRASTRUCTURE. OR OTHER PLANTS RESTORE PLANTS. FOLLOWING DIRECTIONAL PRUNING), MINMIZE FUTURE INTERFERENCE WITH TRAFFIC LINES OF SIGHT INFRASTRUCTURE SAFE AND RELIGIBLE DITUTY SERVICES MINMINIE. FOLLOWING DIRECTIONAL FANDERS AND THE PLANTS RESTORE PLANTS. FOLLOWING DIRECTIONS OF MITTERFERENCE WITH TRAFFIC LINES OF SIGHT INFRASTRUCTURE SAFE AND RELIGIBLE DITUTY SERVICES MINMINIE. PRINCES AND THE PLANTS REPORTED TO THAFFIC OR USE OF THE PLANTS FOR MOVEMENT OF TRAFFIC OR USEN THE PLANTS FOR MOVEMENT OF TRAFFIC OR USEN.
- TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES, CONTRACTOR SHALL SUBMIT TOPSOIL TO A CERTIFIED TESTING LABORATORY TO DETERMINE PH. FERTILITY, ORGANIC CONTENT AND NECHANICAL COMPOSITION. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS FROM REGIONAL EXTENSION OFFICE OF USBA TO THE OWNER, CERTIFIED LANDSCAPE INSPECTOR OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR GOOD PLANT GROWTH AND PROPER SOIL ACIDITY RECOMMENDED FROM THE TOPSOIL TEST.
- NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND SOIL TESTIS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARWIPUL, OR WILL PREVENT NEW LAWNSCHAASSES AND PLANTINGS FROM ESTRALISHING PROPERTY.
- IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL APPLICABLE STANDARDS REQUIREMENTS, AND/OR REGULATIONS
- ALL SLOPES GREATER THAN 3.1 RECEIVING A WILDFLOWER, WETLAND, AND/OR GRASS SEEDING MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET,
- ALL WADTLOWERS AND GRASSES SOMED SHALL BE ALLOWED TO GROW TO THEIR WAITURALLY OCCUPRING HEATS WHENEVER POSSIBLE NATIVE WALTHOWERS ANDORG GRASSES CAN BE MOMEDAMMITALING UNTHIN ACCEPTABLE AREAS IDENTIFIED WADDROFG APPROVED BY APPROPRIATE REGULATORY AGENCIES) AS OFTEN AS MEEDED TO KEEP THE VEGETATION AT A DESIRED AND/OR MANAGEABLEMANICURED HEIGHT.



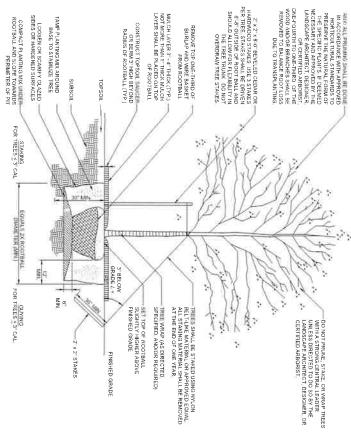
- IN AREAS WITH MASS PLANTINGS. CONTINUOUS EXCAVATION AND MULCHING PRACTICES SHALL BE IMPLEMENTED WHENEVER POSSIBLE
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS



EVERGREEN TREE PLANTING DETAIL NTS.

NOTES:

- TREE PLANTING SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT WAS PRE-DUG IN THE NURSERY
- NEVER OUT THE PRIMARY LEADER
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS AND PROPERLY SET THE TREE IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING



NATIVE/DECIDUOUS TREE PLANTING DETAIL N.T.S.

NOTES:

- NEVER OUT THE PRIMARY LEADER. TREE PLANTING SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT WAS PRE-DUG IN THE NURSERY
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS. SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS AND PROPERLY SET THE TREE.
- PRELIMINARY- NOT FOR

LEGEND - OVERALL PLANTING TOTALS VISUAL MITIGATION PLANTING TEMPLATE TYPES A & B

| 7 | ₹ | cs | SYMBOL | SHRUBS | TΑ | QR | PG | PΛ | ٧L | Ч | СС | AR | AA | SYMBOL | DECIDUOUS |
|------------------------------------|--|--|--------------------------------------|--------|---|---------------------------------|-----------------------------------|----------------------------------|--|---|--|----------------------------------|---|--------------------------------------|-------------------------------|
| THUJA OCCIDENTALIS 'EMERALD GREEN' | ILEX VERTICILLATA (S-W) COMMON WINTERBERRY | CORNUS SERICEA (S-W) RED OSIER DOGWOOD | BOTANICAL NAME/ COMMON PLANT NAME | | TILIA AMERICANA (CT) AMERICAN BASSWOOD | QUERCUS RUBRA (CT-W) RED OAK | PICEA GLAUCA (ET) WHITE SPRUCE | PICEA ABIES (ET-W) NORWAY SPRUCE | JUNIPERUS VIRGINIANA (ET-W) EASTERN RED CEDAR | HAMAMELIS VIRGINIANA (UT-W) COMMON WITCH HAZEL | CARPINUS CAROLINIANA (UT-W) AMERICAN HORNBEAM | ACER RUBRUM RED (CT-W) RED MAPLE | AMELANCHIER ARBOREA (UT-W) DOWNY SHADBUSH | BOTANICAL NAME/ COMMON PLANT NAME | DECIDUOUS AND EVERGREEN TREES |
| 98 | 153 | 101 | QUANTITY | | 20 | 21 | 43 | 45 | 48 | 41 | 37 | 21 | 48 | QUANTITY | |
| 36' HT MIN | 36" HT. MIN. | 36 HT MIN | SIZE | | 3" MIN. CAL | 3" MIN. CAL | 8' MIN_HT | 8' MIN. HT. | 8' MIN_HT | 8' MIN HT | 2" MIN CAL. | 3" MIN. CAL | 8' MIN, HT CLUMP | SIZE | |
| 5/7 GAL | 3 / 5 GAL CONT | 3 / 5 GAL CONT | ROOT | | 888 | 888 | B&B | 888 | 8&8 | 888 | B&B | 888 | B&B | ROOT | |
| 30'-40' HT | 10-12 HT | 7'-9' HT | MATURE HEIGHT | | 70'-80' HT. | 70'-80' HT | 40'-60' HT | 40'-60' HT | 40-50 HT | 20°-25° HT | 25'-30' HT | 70-80' HT | 15'-20' HT | MATURE | |

VISUAL MITIGATION PLANT TOTALS

VIBURNUM PRUNIFOLIUM (S) BLACKHAW VIBURNUM

94

36" HT MIN

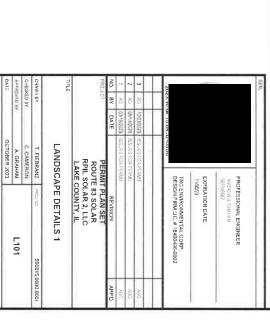
3/5 GAL

10'-12' HT

| ROUNDSTONE NATI | ROUNDSTONE NATIVE SEED - SOLAR NATIVE GRASS MIX | E GRASS MIX | | |
|--|---|-------------------------|-----------------|--------------------|
| MIX CONCENTRATION | BOTAMICAL NAME | BWW NOWNDO | RATE (LES/ACRE) | RATE (LBS/1000 FT) |
| 12 370% | LITTLE BLUESTEM | SCHIZACHYRIUM SCOPARIUM | | |
| 25 940% | SIDE DATS GRAMA | BOUTELOUA CURTIPENDULA | | |
| 23.670% | VIRGINIA WILD RYE | ELYMUS VIRGINICUS | | |
| 4 580% | RIVER OATS | CHASMANTHIUM LATIFOLIUM | | |
| 1.960% | NIMBLEWILL | MUHLENBERGIA SCHREBERI | D 104 | 107 |
| 13.820% | LITTLE BARLEY | HORDEUM PUSILLUM | | 472 |
| 7 640% | PURPLE TOP | TRIDENS FLAVUS | | |
| 3.340% | JUNE GRASS | KOELERIA MACRANTHA | | |
| 1 950% | PRAIRIE DROPSEED | SPOROBOLUS HETEROLEPIS | | |
| 4 730% | TALL DROPSEED | SPOROBOLUS COMPOSITUS | | |
| FORBS SPECIES | | | | |
| 33.330% | CRIMSON CLOVER | TRIFOLIUM INCARNATUM | | |
| 33,330% | RED CLOVER | TRIFOLIUM PRATENSE | 15 | 034 |
| 33 330% | ALSIKE CLOVER | TRIFOLIUM HYDRIOUM | | |
| NURSE CROPS AND OTHER INTRODUCED SPECIES | NTRODUCED SPECIES | | | |
| 94_120% | OATS | AVENA SATIVA | 2 | 0.7900 |
| 5 880% | AUDION THE GRASS | WARONALTHAN WATON | ļ | 0,7000 |

NOTE: GRASS SEED MIXES ARE COMPRISED OF GRASSES THAT ARE MATIVE AND/OR INDIGENOUS TO THE AREA AND/OR CONSIDERED FA/VORABLE FOR WILDLIFE HABITAT AND SUSTAINABLE GROWTH, ADDITIONALLY, THE SOLAR FARM SEED MIX WAS DEVELOPED ESPECIALLY FOR NATIVE GRASS PUNTINGS AROUND SOLAR ARRAY FIELDS AND SHALL BE UTILIZED ACCORDINGLY. THESE GRASSES WILL MATURE OUT TO A HEIGHT OF APPROXIMATELY 2 TO 2 1/2 FEET HIGH.

SOLAR FARM GRASS SEED MIX





CONSTRUCTION

230 Wost Monroe St. Suite 1840 Chicago, IL 60606 Phone: 312 578 9870

DECIDUOUS AND EVERGREEN TREES A OCCIDENTALIS EMERALD GREEN EMERALD GREEN ABORVITEA AMELANCHIER ARBOREA (UT) DOWNY SHADBUSH CARPINUS CAROLINIANA (UT) AMERICAN HORNBEAM HAMAMELIS VIRGINIANA (UT) COMMON WITCH HAZEL ILEX VERTICILLATA COMMON WINTERBERRY UNIPERUS VIRGINIANA (ET) EASTERN RED CEDAR BOTANICAL NAME/ COMMON PLANT NAME CORNUS SERICEA RED OSIER DOGWOOD BOTANICAL NAME/ COMMON PLANT NAME NORWAY SPRUCE VISUAL MITIGATION PLANTING TEMPLATE - TYPE B LANDSCAPE FLANTING SCHEDULE (30° VISUAL BUFFER/SCREENING EFFORT) 17 36" HT. MIN. 36" HT MIN TH NIM 8 B' MIN HT OLUMP CLUMP HT 2" MIN_CAL 8" MIN, HT. CLUMP CLUMP SIZE SIZE 5 / 7 GAL CONT 3 / 5 GAL. 3 / 5 GAL CONT ROOT ROOT 888 888 B&B 888 B&B 9%8 10'-12' HT 20'-25' HT 15'-20' HT 40'-60 HT 40'-60' HT 40'-50 HT 15'-20' HT 7'-9' HT 25-30' HT, 1 JV 1 CC 1 AA 3 TV 5 IV 5 TO 1 AA 2 PA 2 PV 2 PG 5 CS 1 PG AH T 6 √P 1 PG 300 1 PG 2 JV 2 CC 3 AA 1 HV S CS 4 TO 3 CS 2 JV 1 AA 2 CC ______ 5 TO 1 CC 3 PA 2 PG 4 CS 1 PA

VM1: 820 LINEAR FEET OF BUFFER "TYPE B" $_{-3}$ UNITS VM4: 665 LINEAR FEET OF BUFFER "TYPE A" $_{-3}$ UNITS

VM5: 255 LINEAR FEET OF BUFFER "TYPE B" - 3 UNITS

ADDITIONAL NOTES:

1. SHRUB AND TREE LOCATIONS SHALL BE STAKED OUT AND APPROVED PRIOR TO PLANTING, SEE DETAIL SHEETS L-101 TO L-103 FOR PLANTING DETAILS, NOTES, AND SCHEDULES FOR EACH LANDSCAPE BUFFER.

PLACEMENT OF LANDSCAPE BUFFERS SHALL BE LOCATED AT THE OUTER EDGE OF THE PERIMETER FENCE TO ENHANCE SCREENING EFFORTS AND AVOID SHADING CONCERNS - SOME FIELD ADJUSTMENTS FOR STAKED LOCATIONS WILL BE NECESSARY.

CAMOPY TREES ARE SHOWN ON THE LANDSCAPE PLAN AND GROUPED IN A WAY THAT MINIMIZES SHADING OF THE SOLAR PANELS, CAMOPY TREE PLANTINGS TO BE 10 FEET ON CENTER AND STAGGERED AS SHOWN, PLANTINGS SHALL BE RANDOM AND INTERMIXED - NO MORE THAN 3 AND LESS THAN 10 SIMILAR SPECIES IN A GROUP.

A PLANT UNIT IS A MEASUREMENT USED TO DETERMINE THE QUANTITY OF PLANT MATERIAL REQUIRED FOR A 100 LINEAR FOOT OF LANDSCAPE BUFFER.

ONE PLANT UNIT IS COMPRISED OF ALL OF THE FOLLOWING ELEMENTS PER 100 LF.

(1) CANOPY TREE (TO BE GROUPED, SEE NOTE);
(2) UNDERSTORY TREES
(2) EVERGREEN TREES; AND
(7) SHRUBS.

SEE LAKE COUNTY, IL CODE OF ORDINANCES: § 151.167 LANDSCAPING - SEE THIS SECTION FOR ADDITIONAL INFORMATION

SHRUBS

PG PΑ ¥

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LEGEND

VISUAL MITIGATION PLANTING TEMPLATE (300 LF) - TYPE A

| ₹ _D | 10'-12' HT | 3 / 5 GAL CONT | 36" HT. MIN. | 87 | VIBURNUM PRUNIFOLIUM (S) BLACKHAW VIBURNUM | Ą |
|----------------|------------------|--------------------|--|------------|---|----------|
| 10 | 30'-40' НТ, | 5 / 7 GAL CONT. | 36 HT MIN | 89 | THUJA OCCIDENTALIS EMERALD GREEN EMERALD GREEN ABORVITEA | 10 |
| < | 10'-12 HT | 3 / 5 GAL CONT | 36" HT. MIN. | 136 | ILEX VERTICILLATA (S-W) COMMON WINTERBERRY | ₹ |
| CS | 7'-9' HT | 3/5GAL CONT | 36" HT MIN | 94 | CORNUS SERICEA (S-W) RED OSIER DOGWOOD | cs |
| SYMBOL | MATURE HEIGHT | ROOT | SIZE | QUANTITY | BOTANICAL NAME/ COMMON PLANT NAME | SYMBOL |
| SHRUB | | | | | | SHRUBS |
| TΑ | 70'-80' HT. | B&B | 3 MIN CAL | 20 | TILIA AMERICANA (CT) AMERICAN BASSWOOD | TA |
| QR | 70'-80' HT, | 888 | 3" MIN CAL | 21 | QUERCUS RUBRA (CT-W) RED OAK | OR. |
| PG | 40'-60' HT | B&B | 8 MIN HT | 36 | PICEA GLAUCA (ET) WHITE SPRUCE | PG |
| PA | 40-60 HT | вљв | 8 MIN HT | 39 | PICEA ABIES (ET-W) NORWAY SPRUCE | PA |
| JV | 40'-50' HT, | 888 | 8' MIN, HT. | 41 | JUNIPERUS VIRCINIANA (ET-W) EASTERN RED CEDAR | ٧٧ |
| H/ | 20'-25' HT, | 888 | 0' MIN TIT | 39 | HAMAMELIS VIRGINIANA (UT-W) COMMON WITCH HAZEL | ЧΥ |
| CC | 25'-30' HT | 888 | 2" MIN, CAL | 34 | CARPINUS CAROLINIANA (UT-W) AMERICAN HORNBEAM | cc |
| AR | 70'-80" HT | B&B | 3 MIN CAL | 21 | ACER RUBRUM RED (CT-W) RED MAPLE | AR |
| À | 15'-20' HT, | 888 | 8" MIN, HT CLUMP | 43 | AMELANCHIER ARBOREA (UT-W) DOWNY SHADBUSH | A |
| SYMBOL | MATURE HEIGHT | ROOT | SIZE | QUANTITY | BOTANICAL NAME/ COMMON PLANT NAME | SYMBOL |
| DECIDL | | | | | DECIDUOUS AND EVERGREEN TREES | DECIDUC |
| LANDSCAP | ATE TYPE B | ITING TEMPL | VISUAL MITIGATION PLANTING TEMPLATE TYPE B | ISUAL MITH | LANDSCAPE PLANTING SCHEDULE | ANDSCAPE |

| D - VM1 | LEGEND ANDSCAPE PLANTING |
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LEGEND - TYPE B TOTALS

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36' HT MIN

3 / 5 GAL CONT

CIDUOUS AND EVERGREEN TREES AMELANCHIER ARBOREA (UT-W) BOTANICAL NAME/ COMMON PLANT NAME QUANTITY 8' MIN HT PLANTING TEMPLATE TYPE B
TOTAL MITIGATION LENGTH = 820 LF ROOT вав MATURE HEIGHT

| 10'-12 HT | 3/5 GAL CONT | 36" HT, MIN | 42 | VIBURNUM PRUNIFOLIUM (S) BLACKHAW VIBURNUM | ₹ |
|-----------|-------------------|--------------|----------|---|----------|
| * | 577 GAL | 36" HT. MIN. | 40 | THUJA OCCIDENTALIS EMERALD GREEN' EMERALD GREEN ABORVITEA | 70 |
| | 3 / 5 GAL CONT | 36" HT. MIN | 63 | ILEX VERTICILLATA (S-W) COMMON WINTERBERRY | ₹ |
| | 3 / 5 GAL CONT | 36" HT. MIN | 47 | CORNUS SERICEA (S-W) RED OSIER DOGWOOD | CS |
| | ROOT | SIZE | QUANTITY | BOTANICAL NAME/ COMMON PLANT NAME | SAVIBOL |
| 100 | | | | | SHRUBS |
| | 8&8 | 3" MIN CAL | 12 | IILIA AMERICANA (CT) AMERICAN BASSWOOD | TA |
| | 888 | 3" MIN CAL | 12 | QUERCUS RUBRA (CT-W) RED OAK | QR. |
| | 8&8 | 8' MIN HT. | 19 | PICEA GLAUCA (ET) WHITE SPRUCE | PG |
| | 888 | TH NIM B | 18 | PICEA ABIES (ET-W) NORWAY SPRUCE | PA |
| | 888 | 8' MIN HT | 20 | JUNIPERUS VIRGINIANA (ET-W) EASTERN RED CEDAR | JV |
| | 888 | 8 MIN HT | 19 | HAMAMELIS VIRGINIANA (UT-W) COMMON WITCH HAZEL | ₩ |
| | 888 | 2" MIN CAL | 16 | CARPINUS CAROLINIANA (UT-W) AMERICAN HORNBEAM | cc |
| | 888 | 3" MIN. CAL | 12 | ACER RUBRUM RED (CT-W) RED MAPLE | AR |
| | 8&8 | CLUMP | 20 | AMELANCHIER ARBOREA (UT-W) DOWNY SHADBUSH | A |

15'-20' HT S PG PA ΤA AMELANCHIER ARBOREA (UT-W)
DOWNY SHADBUSH HAMAMELIS VIRGINIANA (UT-W) CARPINUS CAROLINIANA (UT-W)
AMERICAN HORNBEAM JUNIPERUS VIRGINIANA (ET-W) EASTERN RED CEDAR ACER RUBRUM RED (CT-W) RED MAPLE QUERCUS RUBRA (CT-W) RED OAK TILIA AMERICANA (CT) AMERICAN BASSWOOD PICEA GLAUCA (ET)
WHITE SPRUCE PICEA ABIES (ET-W) NORWAY SPRUCE 4 3 5 13 6 3" MIN CAL 8' MIN, HT 6' MIN, HT, CLUMP 2" MIN, CAL 3" MIN. CAL 8 MIN. HT 3 MIN CAL 8" MIN, HT TH NIM '8 SIZE

PLANTING SCHEDULES VM1, VM4, & VM5 SHRUBS SYMBOL ş 0 CS THUJA OCCIDENTALIS 'EMERALD GREEN'
EMERALD GREEN ABORVITEA ILEX VERTICILLATA (S-W)
COMMON WINTERBERRY CORNUS SERICEA (S-W) RED OSIER DOGWOOD 35 31 ¥ 36" HT, MIN 36" HT, MIN 36" HT, MIN 36" HT. MIN. SIZE 3 / 5 GAL CONT. 3 / 5 GAL 5 / 7 GAL CONT. CONT. ROOT 10'-12' HT. MATURE HEIGHT 30'-40' HT 7'-9' HT

LEGEND - VM4

LEGEND - VM5

PLANTING TEMPLATE TYPE B TOTAL MITIGATION LENGTH = 255 LF

DECIDUOUS AND EVERGREEN TREES 888 888 888 B&B B&B 888 88B 888 вав 70-80' HT 40'-60" HT. 40'-60' HT 40'-50' HT 20"-25" HT. 15'-20' HT TH '08-'07 25'-30" HT 70'-80' HT

PLANTING TEMPLATE TYPE B TOTAL MITIGATION LENGTH = 665 LF > \exists CC

DECIDUOUS AND EVERGREEN TREES CARPINUS CAROLINIANA (UT-W) AMERICAN HORNBEAM AMELANCHIER ARBOREA (UT-W)
DOWNY SHADBUSH HAMANIELIS VIRGINIANA (UT-W)
COMMON WITCH HAZEL JUNIPERUS VIRGINIANA (ET-W) EASTERN RED CEDAR BOTANICAL NAME/ COMMON PLANT NAME PICEA ABIES (ET-W) NORWAY SPRUCE 8' MIN. HT. B' MIN HT B' MIN. HT 2" MIN CAL 8' MIN HT B'MIN HT SIZE B&B B8B 888 888 888 8&B 40'-60' HT 25'-30' HT_ 15'-20' HT 40'-50' HT 40-60" HT. 20'-25' HT

| SHRUBS | | | | | |
|--------|---|----------|--------------|-------------------|-----------|
| SYMBOL | BOTANICAL NAME/ COMMON PLANT NAME | QUANTITY | SIZE | ROOT | MATURE |
| CS | CORNUS SERICEA (S-W) RED OSIER DOGWOOD | 13 | 36" HT MIN | 3 / 5 GAL CONT | 7-9 HT |
| ~ | ILEX VERTICILLATA (S-W) COMMON WINTERBERRY | 19 | 36 HT MIN | 3 / 5 GAL CONT | 1H.215.01 |
| ТО | THUJA OCCIDENTALIS 'EMERALD GREEN' EMERALD GREEN ABORVITEA | †4 | 36" HT, MIN. | 5 / 7 GAL CONT | 15-20" HT |
| ş | VIBURNUM PRUNIFOLIUM BLACKHAW VIBURNUM | 14 | 36" HT, MIN | 3 / 5 GAL CONT | 10-12 HT |

| | | | | | | | | | 31-22 | | | | |
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| | DATE | 03/16/2023 | 38/14/2023 | 12021303 | | טטכטינט אט טו כטט | | | | | | | |
| PERMIT PLAN SET ROUTE 83 SOLAR RPIL SOLAR 2, LLC LAKE COINTY IF | REVISION | ISSUED FOR PERMIT A3G | ISSUED FOR PERMIT 436 | DSALED FOR FURTHER A3G | | H | TRC ENVIRONMENTAL CORP. | 17/30/23 | EXPIRATION DATE | ANDREW B. CRAHAM 062048602 | PROFESSIONAL ENGINEER | | |

| CONSTRUCTION | CONSTBLICTION | | | | | ŭ | BO, N:2049542_8229 | 3, NORTHING | | | | | | | |
|-----------------------------|--|--------------|-------------|-----------|----------------|---------------------|--------------------|-----------------------------------|----------|-------------------|------------------------------|---------------|---|--|-----------------|
| FILE NO | 1 | DATE | APPROVED 5Y | 0406084 | DRAWN BY | 100 | | 138.041 | NO. BY | ± AG | P+ | 25 | 1 | 0207 | |
| | 3 | | 9 97 | 81 | | | | | A DYLE | G 03/16/2023 | AG 38/14/203 | 2 252222 | + | חסמיניום אינים יסימים אינים ומימים | |
| | 컸 | OCTOBER 2023 | A. GR | C CAMERON | 1.1161 | LAN | | n | | ISSUED FOR PERMIT | 38/14/2023 ISSUED FOR PERMIT | MASS SOLETING | 1 | 3.33-03-00 | |
| | 0 | R 2023 | A GRAHAM | IERON | T. FTEBRANZ | DSCAF | LAKEC | PERMIT ROUTE | | RPERMIT | RPERMIT | NORTH. | | TRC DES | EXP 11/3 |
| 50015,0000,0001 LAND PLAN d | 230 West Nonroe St. Sulle 1840 Chrosgo IL 60606 Phone 1312,578,3870 | | L103 | | PROJ NO 5000 | LANDSCAPE DETAILS 3 | LAKE COUNTY, IL | PERMIT PLAN SET ROUTE 83 SOLAR | REVISION | | | | | TRC ENVIRONMENTAL CORP DESIGNATION LICE 18409/15 CONT | EXPIRATION DATE |
| ND PLAN do | 0 West Monroe St. Suite 1840 Chicago IL 60606 one 312 578 0870 | | | | 500015 0000 00 | | | | APP | , ev | 430 | A3(| + | | |

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COORDINATE TABLE: VM1, VM4, & VM5

TYPE B

S48° 36' 21.61"W M.00°00,00°00.M

E:1063178.1514, N:2049368.2958 E:1063682 6818, N:2049368 2958

E:1063173.2626, N:2049363.9866

E:1062945 7595, N:2049278 6863 E:1063173,2626, N:2049277,9562 E:1063173,2626, N:2049363,9866 E:1063178,1514, N:2049368,2958

START VG, NORTHING IITIGATION TABLE

456, N.2049527,8122

E:1063706,5449, N:2049527,7545

EASTING, NORTHING

505

VM1 - VEGETATIVE BUFFER / SCREEN MITIGATION TABLE

LINE/CHORD DIRECTION

START EASTING, NORTHING

END EASTING, NORTHING

NUMBER

MITIGATION TYPE TYPE B

LENGTH 665

LINE/CHORD DIRECTION

S00° 15' 40 88"E

E:1063943 1325, N:2050208.2707

E:1063946 1680, N:2049542 8229

EASTING

START EASTING, NORTHING

VM4, - VEGETATIVE BUFFER / SCREEN MITIGATION TABLE

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